

低功率射頻電機技術規範測試報告

報告編號

RT180301D02

申請者

美商利盟國際股份有限公司台灣分公司

產品名稱

射頻模組

型號

LEX-M07-001

製造廠商

Lexmark International, Inc. / USA

商標或廠牌

Lexmark

該產品樣品試驗

國家通訊傳播委員會低功率射頻電機技術規範

依據之試驗標準

107 年 1 月 10 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

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報告簽署人簽章:



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報告發行紀錄

Issue No.	Description	Date Issued
RT180301D02	Original release.	107 年 5 月 23 日

證 明 書

發行日期：107 年 5 月 23 日

產 品 名 稱：射頻模組
商 標：Lexmark
型 號：LEX-M07-001
申 請 者：美商利盟國際股份有限公司台灣分公司
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：LEX-M07-001)，收件日期 107 年 3 月 1 日，於 107 年 3 月 2 日至 107 年 5 月 17 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：  , 日期： 107 年 5 月 23 日
(陳 慈 君 / 主任)

審 核 者：  , 日期： 107 年 5 月 23 日
(賴 正 軒 / 技術副理)

香港商立德國際商品試驗有限公司桃園分公司

實驗室地址：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：美商利盟國際股份有限公司台灣分公司

申請廠商地址：台北市中正區重慶南路一段 83 號 6 樓

製造廠商：Lexmark International, Inc. / USA

廠牌：Lexmark

產品名稱：射頻模組

型號：LEX-M07-001

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 5.250~5.350GHz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 4.7.3.2 節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範 4.7.3.2 節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻電機技術規範 4.7.7.1 及 4.7.7.2 節	合格

WLAN 5.470~5.725GHz頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻電機技術規範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4.7.3.2節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範4.7.3.2節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻電機技術規範4.7.7.1及4.7.7.2 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

2 一般敘述

2.1 待測設備

產品名稱：	射頻模組	
型號：	LEX-M07-001	
額定電源：	5Vdc from host equipment	
調變方式：	CCK, DQPSK, DBPSK for DSSS 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM	
調變技術：	DSSS, OFDM	
傳輸速率：	802.11b: 11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11a: 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, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 5745 ~ 5825MHz	
頻道數：	2.4GHz	802.11b, 802.11g, 802.11n (HT20): 11 802.11n (HT40): 7
	5.0GHz	5180 ~ 5240MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5260 ~ 5320MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5500 ~ 5700MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 11 802.11n (HT40), 802.11ac (VHT40): 5 802.11ac (VHT80): 3 5745 ~ 5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 5 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1
發射功率(電場強度)：	2.4GHz	27.05 dBm
	5.0GHz	5180 ~ 5240MHz: 16.34 dBm 5260 ~ 5320MHz: 15.64 dBm 5500 ~ 5700MHz: 15.34 dBm 5745 ~ 5825MHz: 15.74 dBm
天線種類：	見註 2	
電源線類別：	N/A	
信號線類別：	N/A	
配件：	N/A	

註 1: 此待測物之技術的種類為2Tx / 2Rx之組合。

Modulation Mode	Tx Function
802.11b	1TX
802.11g	1TX
802.11n (HT20)	2TX
802.11n (HT40)	2TX
802.11a	1TX
802.11n (HT20)	2TX
802.11n (HT40)	2TX
802.11ac (VHT20)	2TX
802.11ac (VHT40)	2TX
802.11ac (VHT80)	2TX

* The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 and 802.11ac mode for VHT20 / VHT40, therefore investigated worst case to representative mode in test report. (最終測試模式請見註 3)

註 2: 此待測設備搭配測試的天線，其資料如下：

Ant.	Function	Manufacturer / Part Number	Ant. Type	Ant. Connector	Ant. Gain (dBi)
1	WiFi 2.4GHz	NA	PCB	NA	2.8
	WiFi 5GHz	NA	PCB	NA	2.8
2	WiFi 2.4GHz	NA	PCB	NA	2.0
	WiFi 5GHz	NA	PCB	NA	2.6
3	BT	Taiyo Yuden / AH 212M245001-T.	Chip	NA	0.3

註 3: 此報告中，經過評估後以下列測試模式進行最終量測。

載波頻率	量測項目	發射	接收
2412 ~ 2462MHz			
場強輻射量測	1GHz 以上量測	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (HT20): Ch 1, 6, 11 802.11n (HT40): Ch 3, 6, 9	802.11n (HT20): Ch 11
	其它不必要之訊號	802.11n (HT20): Ch 11	
電源線傳導干擾		802.11n (HT20): Ch 11	
5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz & 5745 ~ 5825MHz			
場強輻射量測	1GHz 以上量測	802.11a: Ch 36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 149, 157, 165 802.11n (HT20): Ch 36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 149, 157, 165 802.11n (HT40): Ch 38, 46, 54, 62, 102, 110, 134, 151, 159 802.11ac (VHT80): Ch 42, 58, 106, 122, 138, 155	802.11n (HT20): Ch 40
	其它不必要之訊號	802.11n (HT20): Ch 40	
電源線傳導干擾		802.11n (HT20): Ch 40	

註 4: 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 5: 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、側放，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 6: Duty cycle of test signal.

Duty cycle of test signal is > 98 %, duty factor is not required.

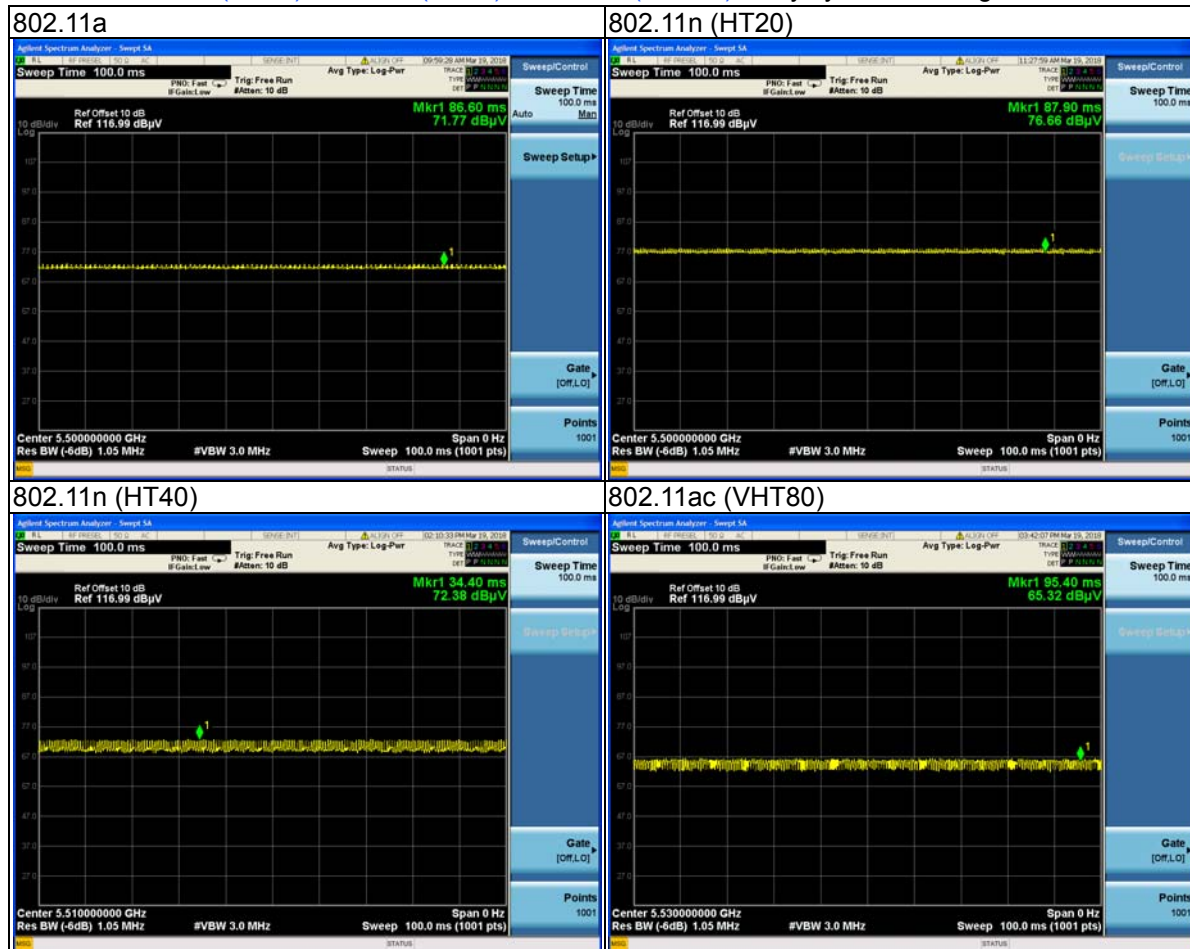
2.4GHz頻段

802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40): Duty cycle of test signal is 100 %



5GHz 频段

802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT80): Duty cycle of test signal is 100 %



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

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

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

802.11n (HT40):

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

5GHz 頻段:
802.11a, 802.11n (HT20):

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

802.11n (HT40):

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

802.11ac (VHT80):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
42	5210MHz	122	5610 MHz
58	5290 MHz	138	5690 MHz
106	5530 MHz	155	5775 MHz

詳細之規格請參考使用說明書，產品的照片請參照 BV 報告編號:180301D02。

2.2 輔助測試之週邊設備描述

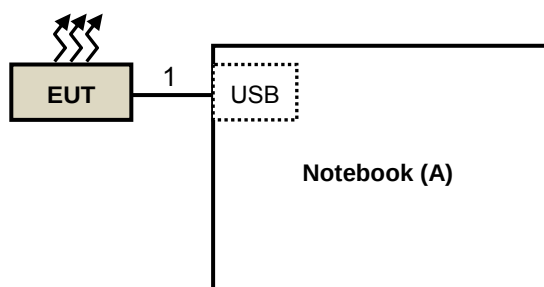
待測設備於受測時均接上其所屬的配件或一般用途之相關設備；下列輔助設備或配件測試中所使用的配備，以形成一個代表待測物實際運作的受測系統。

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook PC	HP	N/A	N/A	N/A	Supplied by client

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	USB cable	1	1.5	Y	0	Supplied by client

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。

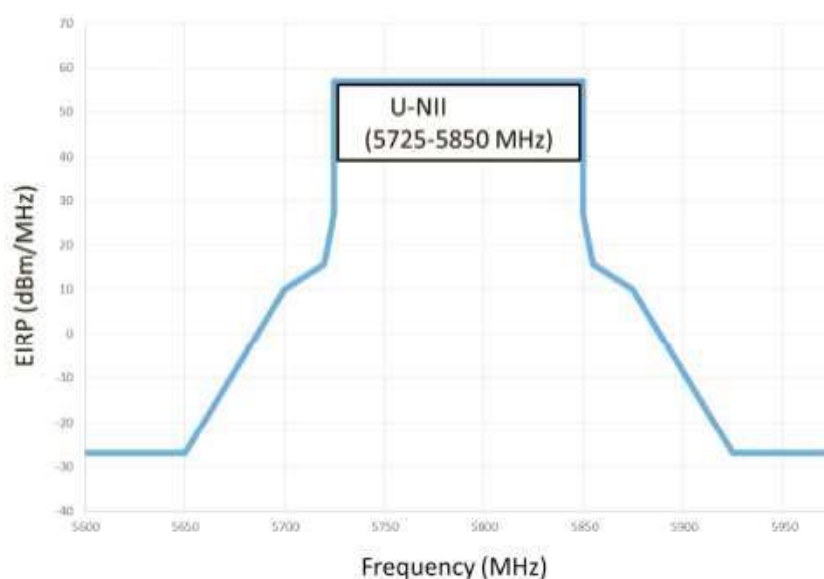


圖 1

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	1660.0~1785.0	14470~14500
19.965~20.020	1805.0~1880.0	15350~16200
25.500~25.700	1885.0~1900.0	17700~21400
37.475~38.275	1905.0~1985.0	22010~23120
73.500~75.400	2010.0~2025.0	23600~24000
108.00~138.00	2110.0~2170.0	31200~31800
149.90~150.05	2200.0~2300.0	36430~36500
156.70~156.90	2310.0~2390.0	38600 以上
162.01~167.17	2483.5~2900.0	
167.72~173.20	3260.0~3267.0	

2.4 GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告 3.1 節第 2 項(I)的規定。

4.2 量測方法

量測頻率 9kHz ~ 30MHz :

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米外離地1米的高度。測試桌面要360度旋轉，另外接收天線也要分別設置為Open軸性(Loop antenna面向EUT)與Close軸性(Loop antenna與EUT垂直)與 ground-parallel軸性(Loop antenna面向地板) 作量測，以找出最大的輻射電場強度。

量測頻率 30MHz 以上:

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

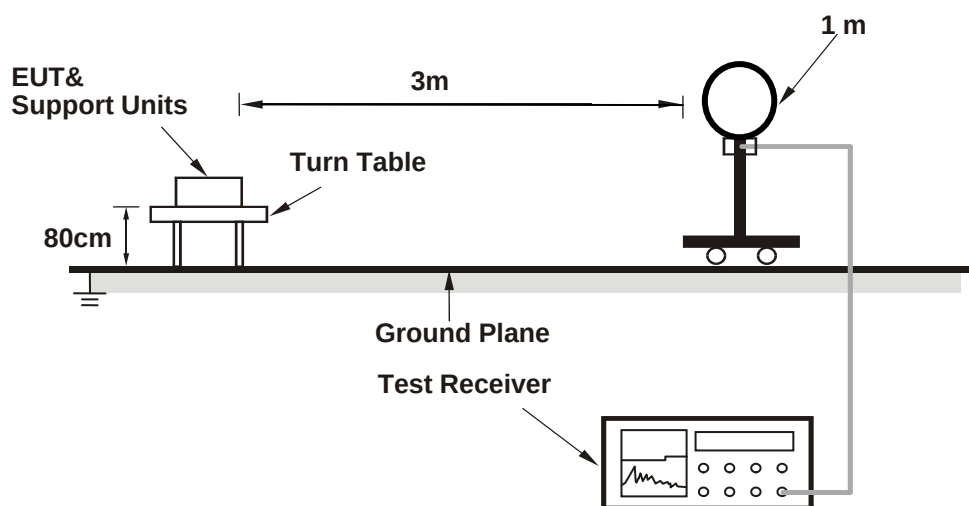
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	Feb. 21, 2018	Feb. 20, 2019
HP Preamplifier	8449B	3008A01201	Feb. 22, 2018	Feb. 21, 2019
MITEQ Preamplifier	AMF-6F-260400-33-8P	892164	Feb. 21, 2018	Feb. 20, 2019
Agilent TEST RECEIVER	N9038A	MY51210129	Feb. 6, 2018	Feb. 5, 2019
Schwarzbeck Antenna	VULB 9168	139	Nov. 29, 2017	Nov. 28, 2018
Schwarzbeck Antenna	VHBA 9123	480	May 19, 2017	May 18, 2019
Schwarzbeck Horn Antenna	BBHA-9170	212	Dec. 1, 2017	Nov. 30, 2018
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Dec. 1, 2017	Nov. 30, 2018
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. 14, 2017	Aug. 13, 2018
SUHNER RF cable With 3dB PAD	SF102	Cable-CH8-3.6m	Aug. 14, 2017	Aug. 13, 2018
KEYSIGHT MIMO Powermeasurement Test set	U2021XA	U2021XA-001	May 31, 2017	May 30, 2018
KEYSIGHT Spectrum Analyzer	N9030A	MY54490260	Jul. 26, 2017	Jul. 25, 2018
Loop Antenna EMCI	LPA600	270	Aug. 11, 2017	Aug. 10, 2019
EMCO Horn Antenna	3115	00028257	Nov. 30, 2017	Nov. 29, 2018
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	NA	NA

- 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 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.

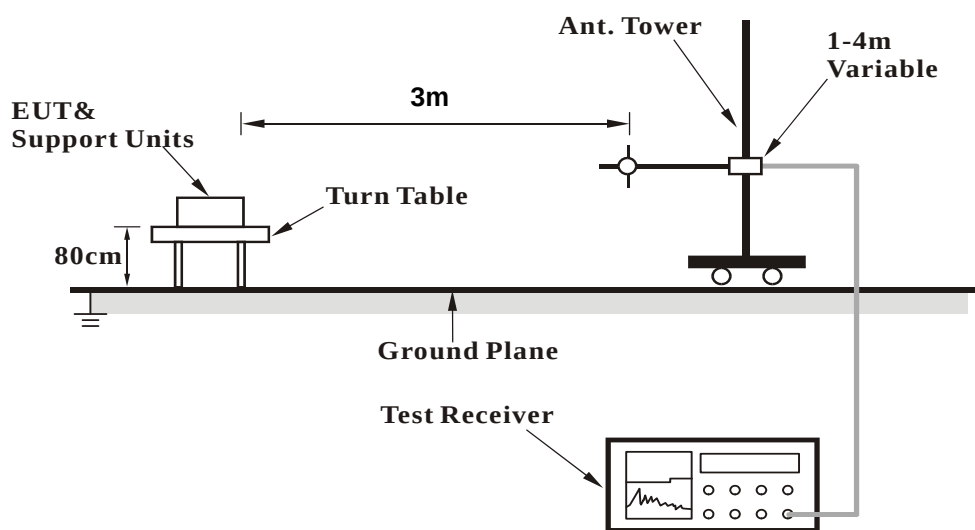
Measurement	Frequency	Uncertainty
Radiated emissions	9kHz ~ 30MHz	±2.38 dB
	30MHz ~ 1GHz	±5.54 dB
	Above 1GHz	±5.48 dB

4.4 測試配置

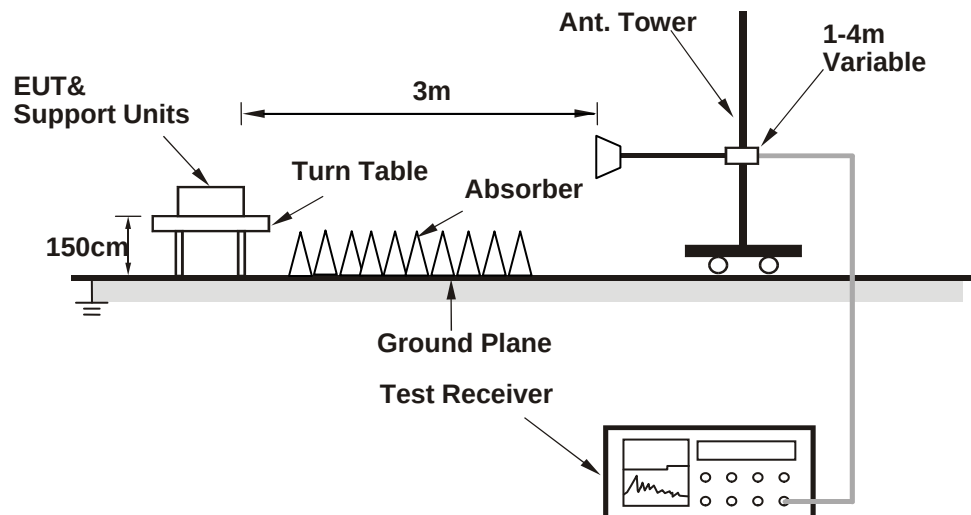
<Frequency Range 9kHz ~ 30MHz>



<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

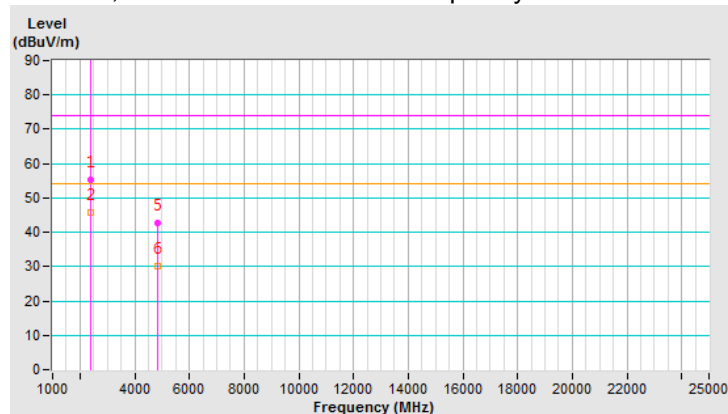
802.11b

操作模式：	發射	調變技術：	DSSS
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：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	55.28 PK	74.00	-18.72	1.00 H	33	57.66	-2.38
2	2390.00	45.59 AV	54.00	-8.41	1.00 H	33	47.97	-2.38
3	*2412.00	104.38 PK			1.00 H	33	106.89	-2.51
4	*2412.00	101.58 AV			1.00 H	33	104.09	-2.51
5	4824.00	42.84 PK	74.00	-31.16	1.12 H	251	39.51	3.33
6	4824.00	30.05 AV	54.00	-23.95	1.12 H	251	26.72	3.33
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.

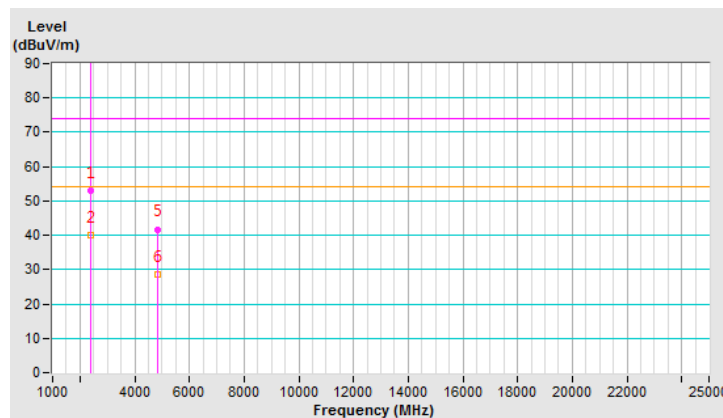


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	52.92 PK	74.00	-21.08	3.12 V	99	55.30	-2.38
2	2390.00	40.17 AV	54.00	-13.83	3.12 V	99	42.55	-2.38
3	*2412.00	97.90 PK			3.12 V	99	100.41	-2.51
4	*2412.00	95.48 AV			3.12 V	99	97.99	-2.51
5	4824.00	41.75 PK	74.00	-32.25	2.56 V	118	38.42	3.33
6	4824.00	28.66 AV	54.00	-25.34	2.56 V	118	25.33	3.33
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.

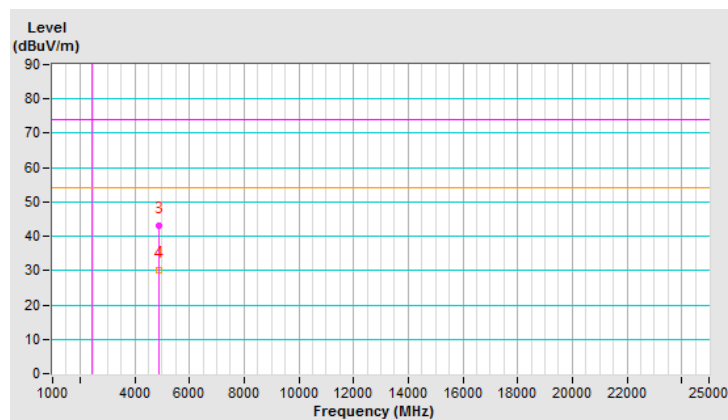


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	104.40 PK			1.13 H	32	107.04	-2.64
2	*2437.00	101.98 AV			1.13 H	32	104.62	-2.64
3	4874.00	43.05 PK	74.00	-30.95	1.05 H	244	39.70	3.35
4	4874.00	30.15 AV	54.00	-23.85	1.05 H	244	26.80	3.35
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.

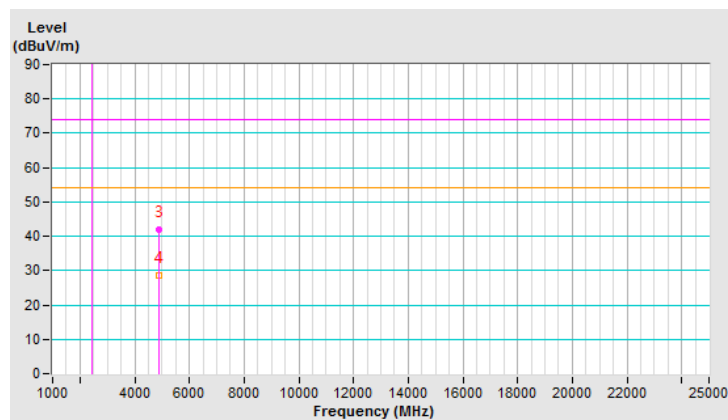


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	98.58 PK			3.32 V	102	101.22	-2.64
2	*2437.00	95.85 AV			3.32 V	102	98.49	-2.64
3	4874.00	41.90 PK	74.00	-32.10	3.01 V	111	38.55	3.35
4	4874.00	28.75 AV	54.00	-25.25	3.01 V	111	25.40	3.35
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.

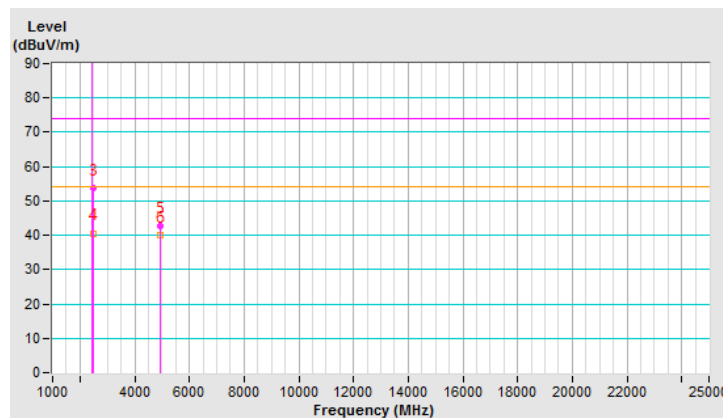


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	104.28 PK			1.13 H	34	106.81	-2.53
2	*2462.00	101.91 AV			1.13 H	34	104.44	-2.53
3	2483.50	53.75 PK	74.00	-20.25	1.13 H	34	55.99	-2.24
4	2483.50	40.60 AV	54.00	-13.40	1.13 H	34	42.84	-2.24
5	4924.00	42.79 PK	74.00	-31.21	1.02 H	231	39.55	3.24
6	4924.00	39.98 AV	54.00	-14.02	1.02 H	231	36.74	3.24
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.

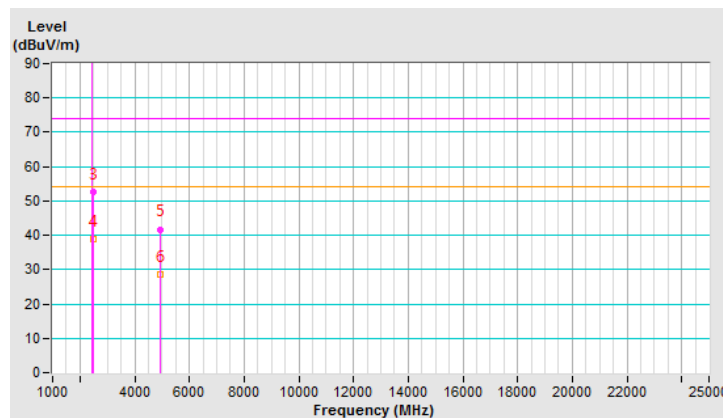


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	98.24 PK			3.03 V	89	100.77	-2.53
2	*2462.00	95.67 AV			3.03 V	89	98.20	-2.53
3	2483.50	52.48 PK	74.00	-21.52	3.03 V	89	54.72	-2.24
4	2483.50	38.79 AV	54.00	-15.21	3.03 V	89	41.03	-2.24
5	4924.00	41.74 PK	74.00	-32.26	3.22 V	122	38.50	3.24
6	4924.00	28.65 AV	54.00	-25.35	3.22 V	122	25.41	3.24
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.



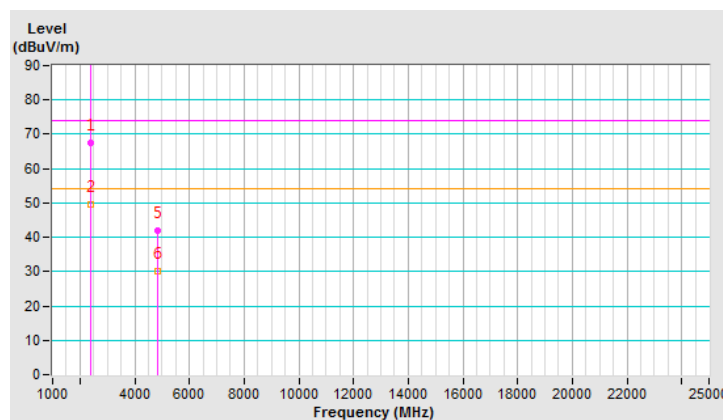
802.11g

操作模式：	發射	調變技術：	OFDM
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：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	67.56 PK	74.00	-6.44	1.00 H	32	69.94	-2.38
2	2390.00	49.72 AV	54.00	-4.28	1.00 H	32	52.10	-2.38
3	*2412.00	108.32 PK			1.00 H	32	110.83	-2.51
4	*2412.00	97.60 AV			1.00 H	32	100.11	-2.51
5	4824.00	41.92 PK	74.00	-32.08	1.72 H	105	38.59	3.33
6	4824.00	30.04 AV	54.00	-23.96	1.72 H	105	26.71	3.33
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.

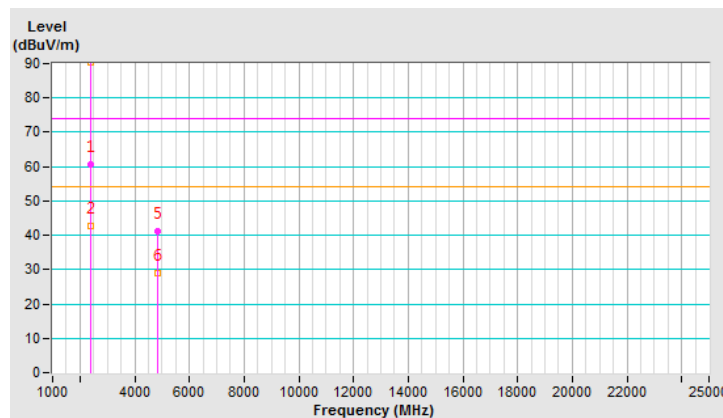


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	60.50 PK	74.00	-13.50	3.08 V	98	62.88	-2.38
2	2390.00	42.65 AV	54.00	-11.35	3.08 V	98	45.03	-2.38
3	*2412.00	101.54 PK			3.08 V	98	104.05	-2.51
4	*2412.00	90.53 AV			3.08 V	98	93.04	-2.51
5	4824.00	41.21 PK	74.00	-32.79	1.00 V	148	37.88	3.33
6	4824.00	28.82 AV	54.00	-25.18	1.00 V	148	25.49	3.33
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.

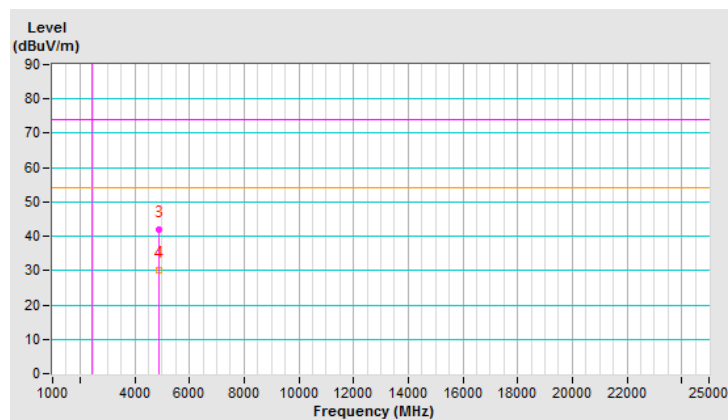


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	107.95 PK			1.14 H	36	110.59	-2.64
2	*2437.00	97.44 AV			1.14 H	36	100.08	-2.64
3	4874.00	41.87 PK	74.00	-32.13	1.88 H	113	38.52	3.35
4	4874.00	30.01 AV	54.00	-23.99	1.88 H	113	26.66	3.35
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.

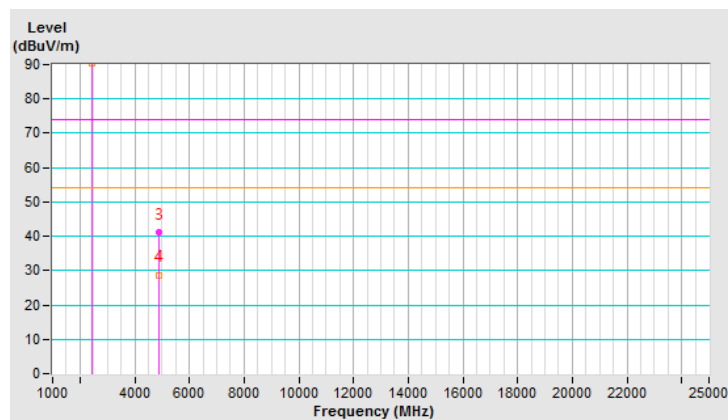


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	101.35 PK			3.09 V	100	103.99	-2.64
2	*2437.00	90.28 AV			3.09 V	100	92.92	-2.64
3	4874.00	41.14 PK	74.00	-32.86	1.00 V	154	37.79	3.35
4	4874.00	28.77 AV	54.00	-25.23	1.00 V	154	25.42	3.35
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.

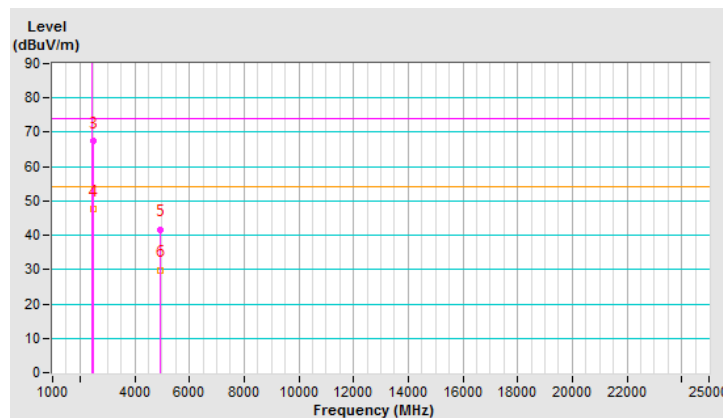


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	108.06 PK			1.29 H	34	110.59	-2.53
2	*2462.00	97.48 AV			1.29 H	34	100.01	-2.53
3	2483.50	67.41 PK	74.00	-6.59	1.29 H	34	69.65	-2.24
4	2483.50	47.51 AV	54.00	-6.49	1.29 H	34	49.75	-2.24
5	4924.00	41.74 PK	74.00	-32.26	1.77 H	112	38.50	3.24
6	4924.00	29.90 AV	54.00	-24.10	1.77 H	112	26.66	3.24
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.

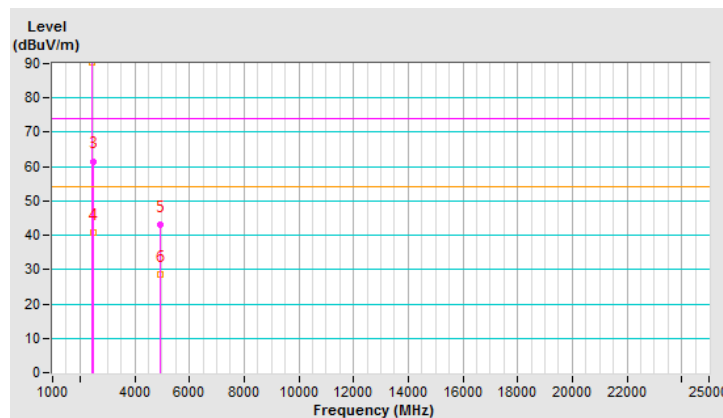


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	101.44 PK			3.11 V	101	103.97	-2.53
2	*2462.00	90.38 AV			3.11 V	101	92.91	-2.53
3	2483.50	61.57 PK	74.00	-12.43	3.11 V	101	63.81	-2.24
4	2483.50	40.75 AV	54.00	-13.25	3.11 V	101	42.99	-2.24
5	4924.00	43.02 PK	74.00	-30.98	1.00 V	159	39.78	3.24
6	4924.00	28.62 AV	54.00	-25.38	1.00 V	159	25.38	3.24
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.



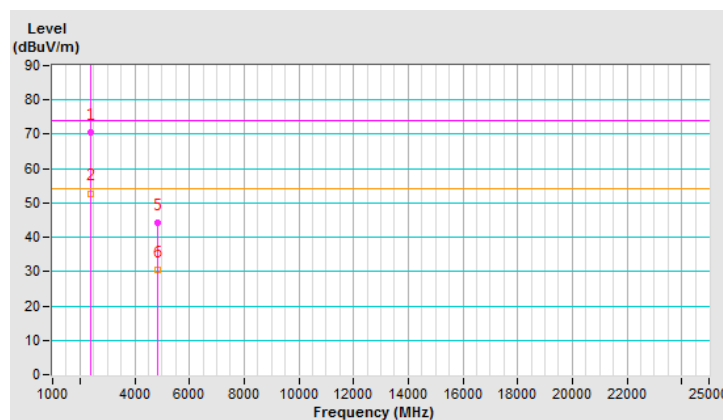
802.11n (HT20)

操作模式：	發射	調變技術：	OFDM
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：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	70.66 PK	74.00	-3.34	1.15 H	34	73.04	-2.38
2	2390.00	52.78 AV	54.00	-1.22	1.15 H	34	55.16	-2.38
3	*2412.00	108.19 PK			1.15 H	34	110.70	-2.51
4	*2412.00	98.70 AV			1.15 H	34	101.21	-2.51
5	4824.00	44.05 PK	74.00	-29.95	1.08 H	58	40.72	3.33
6	4824.00	30.62 AV	54.00	-23.38	1.08 H	58	27.29	3.33
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.

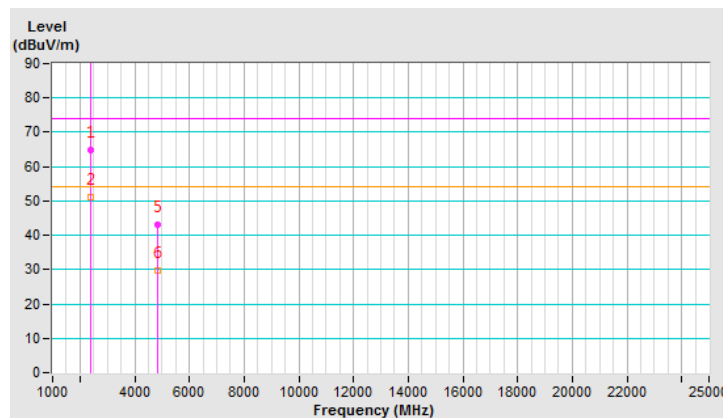


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	64.76 PK	74.00	-9.24	2.77 V	155	67.14	-2.38
2	2390.00	50.94 AV	54.00	-3.06	2.77 V	155	53.32	-2.38
3	*2412.00	102.77 PK			2.77 V	155	105.28	-2.51
4	*2412.00	93.41 AV			2.77 V	155	95.92	-2.51
5	4824.00	43.10 PK	74.00	-30.90	2.94 V	116	39.77	3.33
6	4824.00	29.72 AV	54.00	-24.28	2.94 V	116	26.39	3.33
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.

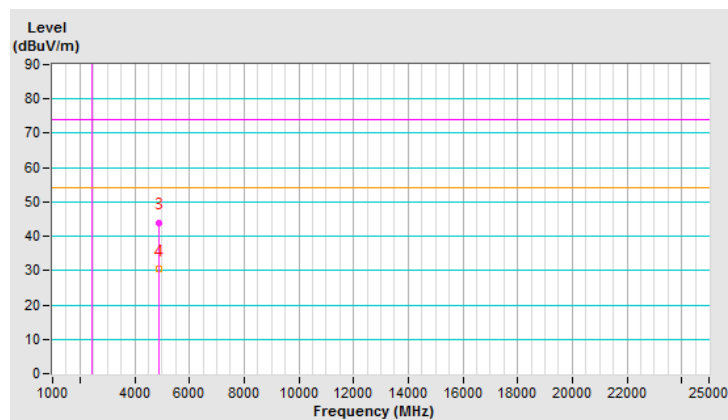


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	107.89 PK			1.46 H	166	110.53	-2.64
2	*2437.00	98.13 AV			1.46 H	166	100.77	-2.64
3	4874.00	44.03 PK	74.00	-29.97	1.16 H	92	40.68	3.35
4	4874.00	30.62 AV	54.00	-23.38	1.16 H	92	27.27	3.35
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.

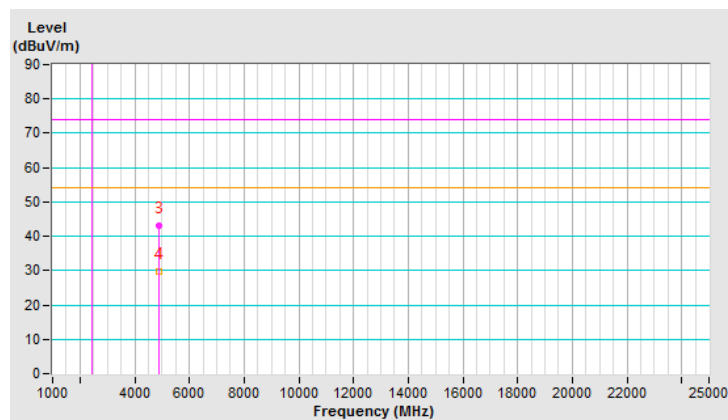


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	102.53 PK			2.88 V	153	105.17	-2.64
2	*2437.00	93.21 AV			2.88 V	153	95.85	-2.64
3	4874.00	43.08 PK	74.00	-30.92	3.02 V	119	39.73	3.35
4	4874.00	29.62 AV	54.00	-24.38	3.02 V	119	26.27	3.35
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.

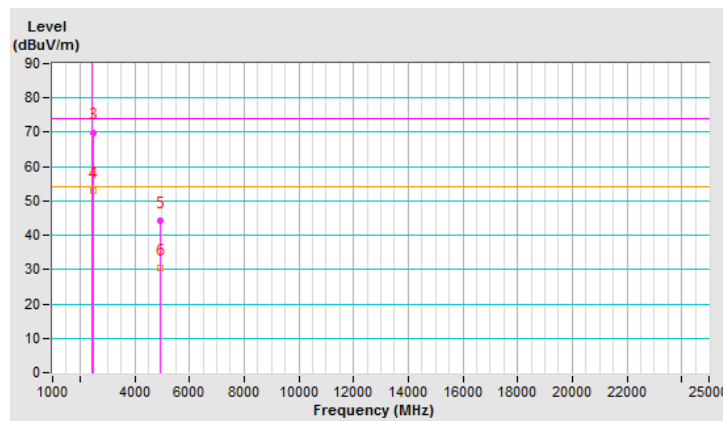


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	109.12 PK			1.63 H	167	111.65	-2.53
2	*2462.00	99.61 AV			1.63 H	167	102.14	-2.53
3	2483.50	69.94 PK	74.00	-4.06	1.63 H	167	72.18	-2.24
4	2483.50	52.87 AV	54.00	-1.13	1.63 H	167	55.11	-2.24
5	4924.00	44.17 PK	74.00	-29.83	1.33 H	62	40.93	3.24
6	4924.00	30.65 AV	54.00	-23.35	1.33 H	62	27.41	3.24
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.

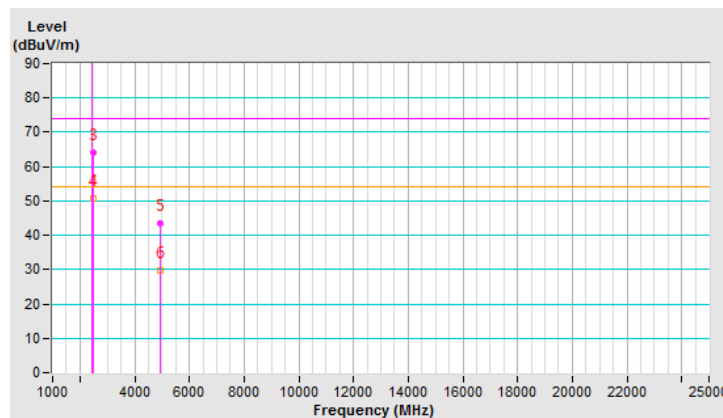


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	103.64 PK			3.02 V	162	106.17	-2.53
2	*2462.00	94.34 AV			3.02 V	162	96.87	-2.53
3	2483.50	64.18 PK	74.00	-9.82	3.02 V	162	66.42	-2.24
4	2483.50	50.86 AV	54.00	-3.14	3.02 V	162	53.10	-2.24
5	4924.00	43.34 PK	74.00	-30.66	3.00 V	121	40.10	3.24
6	4924.00	29.72 AV	54.00	-24.28	3.00 V	121	26.48	3.24
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.



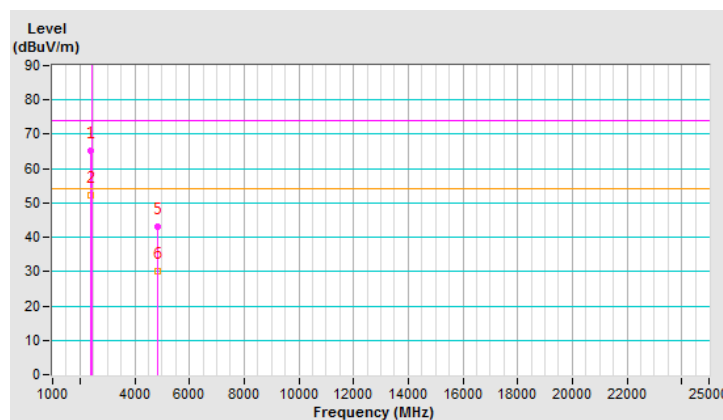
802.11n (HT40)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	65.04 PK	74.00	-8.96	1.14 H	34	67.42	-2.38
2	2390.00	52.28 AV	54.00	-1.72	1.14 H	34	54.66	-2.38
3	*2422.00	105.51 PK			1.14 H	34	108.07	-2.56
4	*2422.00	95.76 AV			1.14 H	34	98.32	-2.56
5	4844.00	43.19 PK	74.00	-30.81	1.00 H	177	39.81	3.38
6	4844.00	30.15 AV	54.00	-23.85	1.00 H	177	26.77	3.38
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.

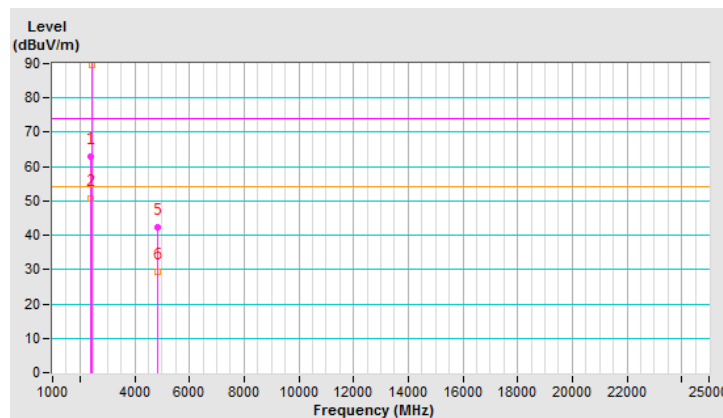


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	62.77 PK	74.00	-11.23	2.72 V	153	65.15	-2.38
2	2390.00	50.55 AV	54.00	-3.45	2.72 V	153	52.93	-2.38
3	*2422.00	98.81 PK			2.72 V	153	101.37	-2.56
4	*2422.00	89.67 AV			2.72 V	153	92.23	-2.56
5	4844.00	42.17 PK	74.00	-31.83	1.33 V	82	38.79	3.38
6	4844.00	29.39 AV	54.00	-24.61	1.33 V	82	26.01	3.38
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.

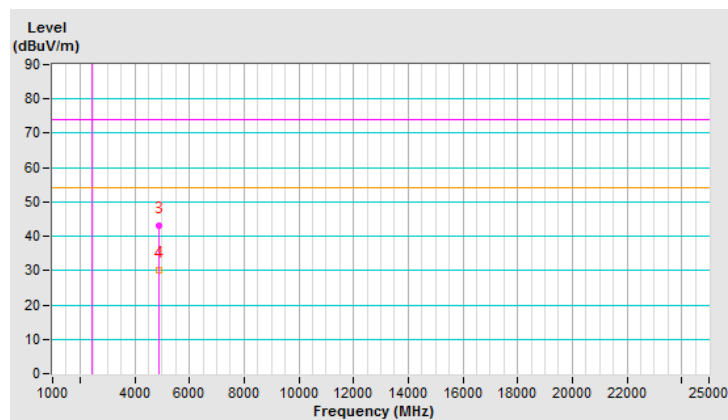


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	105.28 PK			1.00 H	32	107.92	-2.64
2	*2437.00	95.59 AV			1.00 H	32	98.23	-2.64
3	4874.00	43.13 PK	74.00	-30.87	1.00 H	181	39.78	3.35
4	4874.00	30.06 AV	54.00	-23.94	1.00 H	181	26.71	3.35
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.

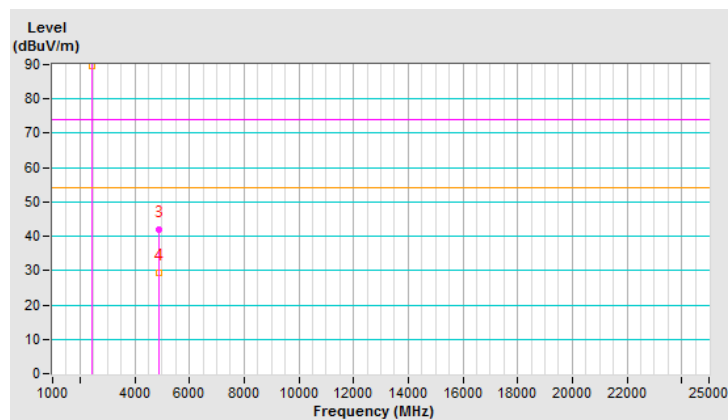


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	98.64 PK			2.77 V	155	101.28	-2.64
2	*2437.00	89.50 AV			2.77 V	155	92.14	-2.64
3	4874.00	42.05 PK	74.00	-31.95	1.31 V	81	38.70	3.35
4	4874.00	29.29 AV	54.00	-24.71	1.31 V	81	25.94	3.35
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.

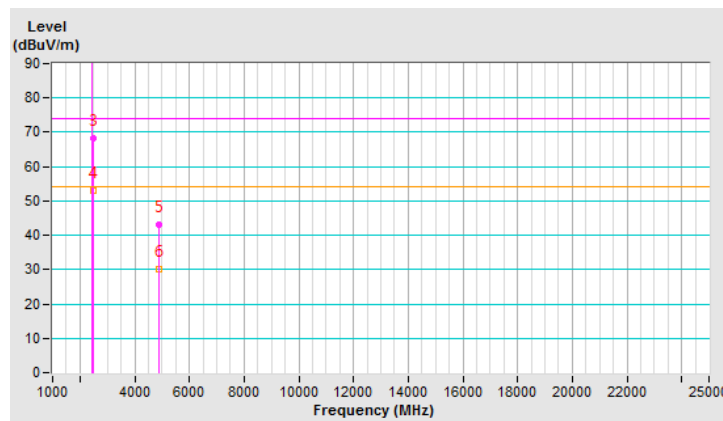


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	105.64 PK			2.01 H	165	108.32	-2.68
2	*2452.00	95.94 AV			2.01 H	165	98.62	-2.68
3	2483.50	68.10 PK	74.00	-5.90	2.01 H	165	70.34	-2.24
4	2483.50	52.83 AV	54.00	-1.17	2.01 H	165	55.07	-2.24
5	4904.00	43.21 PK	74.00	-30.79	1.07 H	152	39.92	3.29
6	4904.00	30.12 AV	54.00	-23.88	1.07 H	152	26.83	3.29
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.

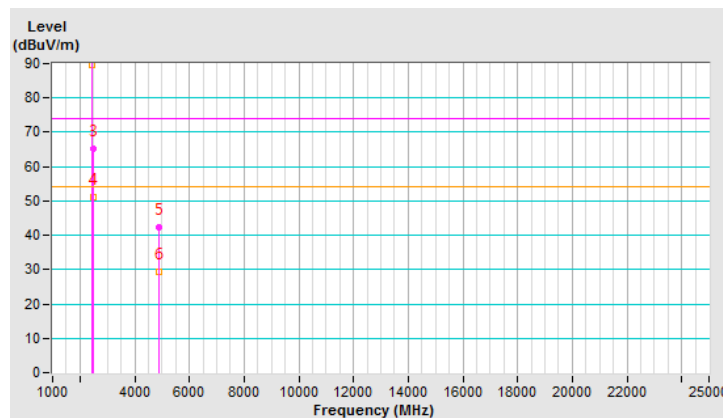


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	98.80 PK			3.02 V	182	101.48	-2.68
2	*2452.00	89.72 AV			3.02 V	182	92.40	-2.68
3	2483.50	65.35 PK	74.00	-8.65	3.02 V	182	67.59	-2.24
4	2483.50	51.07 AV	54.00	-2.93	3.02 V	182	53.31	-2.24
5	4904.00	42.17 PK	74.00	-31.83	1.42 V	99	38.88	3.29
6	4904.00	29.38 AV	54.00	-24.62	1.42 V	99	26.09	3.29
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

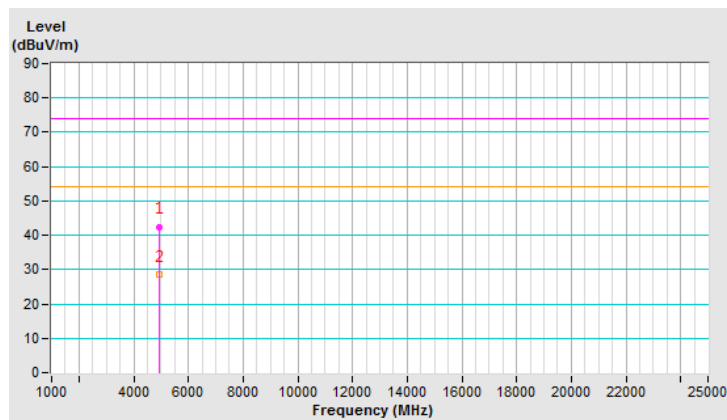
802.11n (HT20)

操作模式：	接收		
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：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	4924.00	42.52 PK	74.00	-31.48	1.00 H	105	39.28	3.24
2	4924.00	28.73 AV	54.00	-25.27	1.00 H	105	25.49	3.24

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

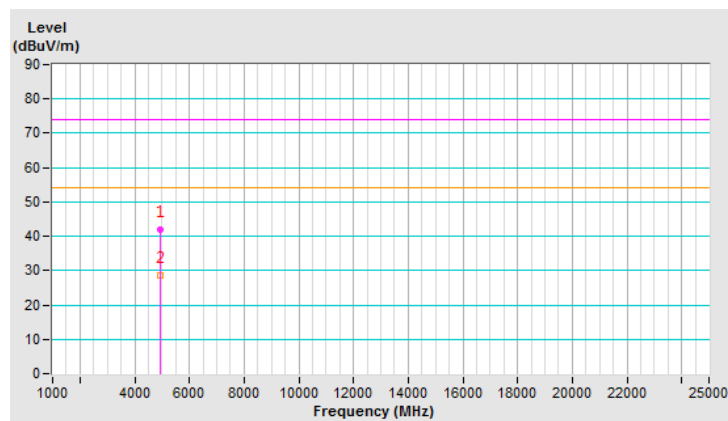


操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	19°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	4924.00	41.83 PK	74.00	-32.17	1.18 V	205	38.59	3.24
2	4924.00	28.42 AV	54.00	-25.58	1.18 V	205	25.18	3.24

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



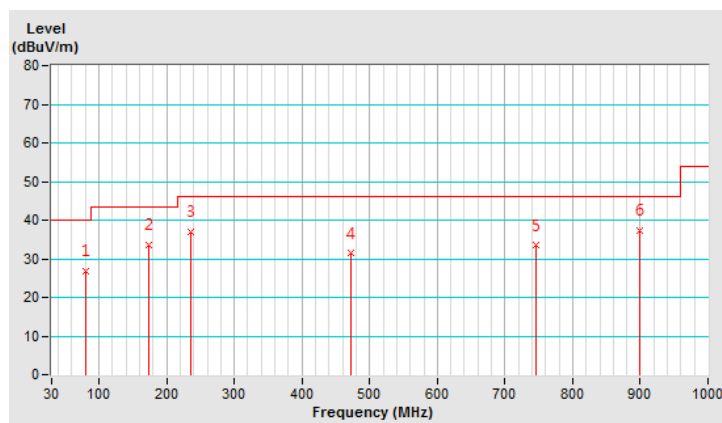
4.6.3 其它不必要之訊號

操作模式：	發射/接收	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	28°C	量測場地濕度：	76%RH
測試日期：	107 年 3 月 2 日	測試者：	魏郡岐

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	80.88	26.82 QP	40.00	-13.18	2.21 H	326	38.56	-11.74
2	172.98	33.62 QP	43.50	-9.88	1.58 H	71	41.00	-7.38
3	236.07	36.90 QP	46.00	-9.10	1.53 H	104	45.20	-8.30
4	472.13	31.41 QP	46.00	-14.59	1.03 H	216	33.02	-1.61
5	746.73	33.41 QP	46.00	-12.59	2.95 H	196	29.67	3.74
6	899.61	37.32 QP	46.00	-8.68	1.55 H	351	31.14	6.18

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.

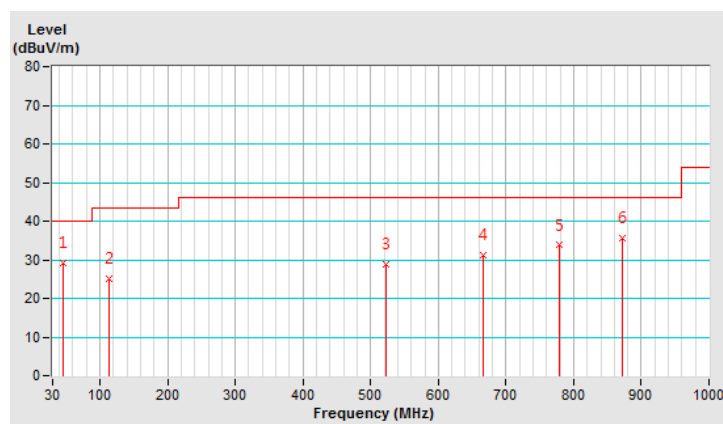


操作模式：	發射/接收	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	28°C	量測場地濕度：	76%RH
測試日期：	107 年 3 月 2 日	測試者：	魏郡岐

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	45.76	29.10 QP	40.00	-10.90	1.62 V	48	36.43	-7.33
2	113.57	25.13 QP	43.50	-18.37	1.55 V	168	35.20	-10.07
3	523.34	28.82 QP	46.00	-17.18	1.02 V	168	29.30	-0.48
4	665.64	31.23 QP	46.00	-14.77	2.52 V	345	28.95	2.28
5	779.23	33.73 QP	46.00	-12.27	1.95 V	263	29.25	4.48
6	871.38	35.55 QP	46.00	-10.45	1.47 V	207	30.09	5.46

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

請參照 Test Setup Photos

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。

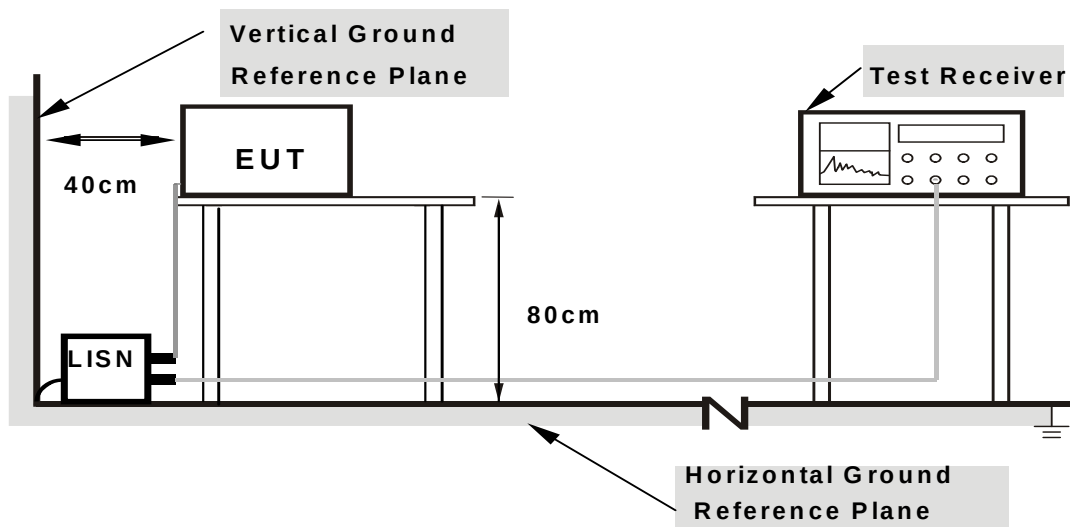
5.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
ROHDE & SCHWARZ TEST RECEIVER	ESCS 30	838251/021	Nov. 1, 2017	Oct. 31, 2018
ROHDE & SCHWARZ Artificial Mains Network (For EUT)	ENV216	101195	May 2, 2017	May 1, 2018
LISN With Adapter (for EUT)	AD10	C03Ada-002	May 2, 2017	May 1, 2018
EMCO L.I.S.N. (For peripherals)	3825/2	9504-2359	Jul. 25, 2017	Jul. 24, 2018
SCHWARZBECK Artificial Mains Network (For EUT)	NNLK8129	8129229	May 9, 2017	May 8, 2018
Software	Cond_V7.3.7.4	NA	NA	NA
RF cable (JYEBAO) With 10dB PAD	5D-FB	Cable-C03-01	Sep. 19, 2017	Sep. 18, 2018
LYNICS Terminator (For EMCO LISN)	0900510	E1-01-300	Jan. 19, 2018	Jan. 18, 2019
LYNICS Terminator (For EMCO LISN)	0900510	E1-01-301	Jan. 19, 2018	Jan. 18, 2019
ROHDE & SCHWARZ Artificial Mains Network (For TV EUT)	ESH3-Z5	100220	Nov. 14, 2017	Nov. 13, 2018
LISN With Adapter (for TV EUT)	100220	N/A	Nov. 14, 2017	Nov. 13, 2018

- 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. 3.
 3. The VCCI Site Registration No. C-10274.
 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

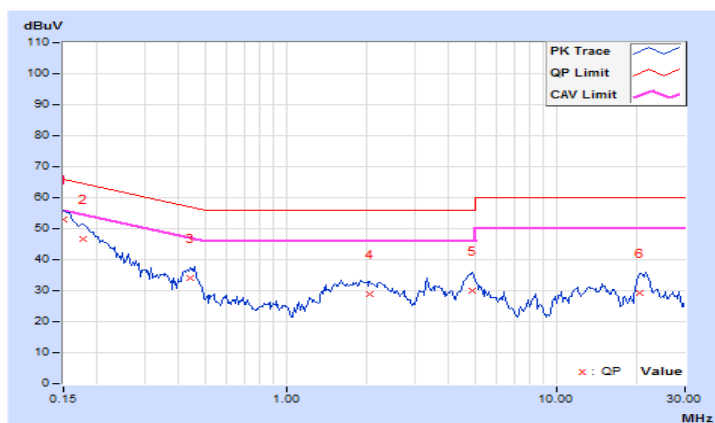
5.6 量測結果

操作模式	發射	測試日期	107 年 3 月 12 日
基本波頻率	CH 11 : 2462 MHz	量測場地溫度	20°C
調變技術	OFDM	量測場地濕度	71%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.
0.15000	9.57	43.38	20.08	52.95	29.65	66.00	56.00	-13.05	-26.35
0.17734	9.58	37.24	19.36	46.82	28.94	64.61	54.61	-17.79	-25.67
0.44297	9.58	24.36	16.51	33.94	26.09	57.01	47.01	-23.07	-20.92
2.05078	9.66	19.20	14.94	28.86	24.60	56.00	46.00	-27.14	-21.40
4.91016	9.74	20.30	12.33	30.04	22.07	56.00	46.00	-25.96	-23.93
20.49609	9.89	19.34	15.08	29.23	24.97	60.00	50.00	-30.77	-25.03

Remarks:

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

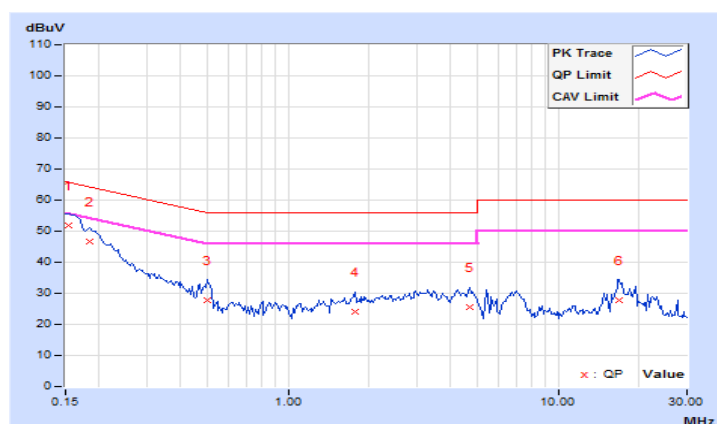


操作模式	發射	測試日期	107 年 3 月 12 日
基本波頻率	CH 11 : 2462 MHz	量測場地溫度	20°C
調變技術	OFDM	量測場地濕度	71%RH
測試者	張君煌		

		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.
0.15391	9.73	42.06	25.19	51.79	34.92	65.79	55.79	-14.00	-20.87
0.18516	9.74	36.79	21.09	46.53	30.83	64.25	54.25	-17.72	-23.42
0.50547	9.75	18.12	12.81	27.87	22.56	56.00	46.00	-28.13	-23.44
1.77344	9.82	14.16	9.77	23.98	19.59	56.00	46.00	-32.02	-26.41
4.72266	9.90	15.62	10.50	25.52	20.40	56.00	46.00	-30.48	-25.60
16.84766	10.09	17.52	10.52	27.61	20.61	60.00	50.00	-32.39	-29.39

Remarks:

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



5.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

5.8 配置照片

請參照 Test Setup Photos

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。

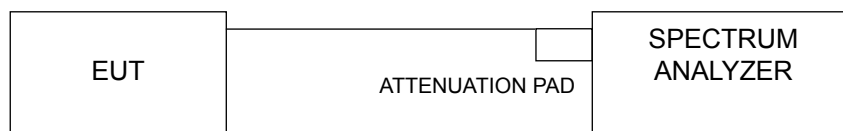
6.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 29, 2017	Sep. 28, 2018

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	107 年 5 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
1	2412	10.09	0.5	PASS
6	2437	10.10	0.5	PASS
11	2462	10.11	0.5	PASS

操作模式	發射	測試日期	107 年 5 月 16 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
1	2412	16.63	0.5	PASS
6	2437	16.63	0.5	PASS
11	2462	16.63	0.5	PASS

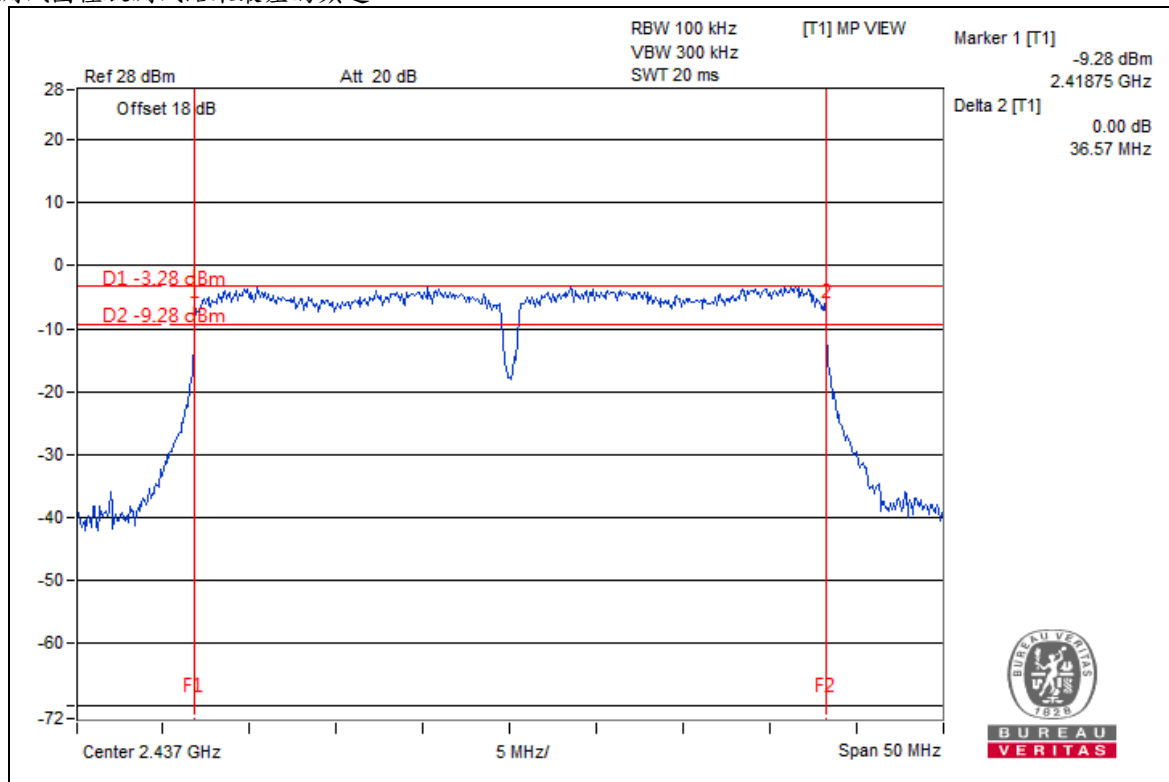
802.11n (20MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		CHAIN 0	CHAIN 1		
1	2412	17.77	17.77	0.5	PASS
6	2437	17.77	17.77	0.5	PASS
11	2462	17.78	17.76	0.5	PASS

802.11n (40MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		CHAIN 0	CHAIN 1		
3	2422	36.56	36.55	0.5	PASS
6	2437	36.55	36.57	0.5	PASS
9	2452	36.56	36.57	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。

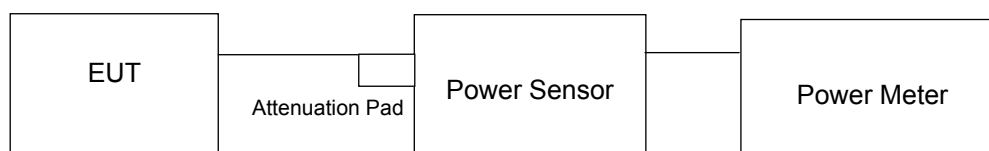
7.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Anritsu Power Sensor	MA2411B	0738404	Apr. 26, 2018	Apr. 25, 2019
Anritsu Power Meter	ML2495A	0842014	Apr. 26, 2018	Apr. 25, 2019

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	107 年 5 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)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass/Fail
1	2412	67.764	18.31	30	Pass
6	2437	67.453	18.29	30	Pass
11	2462	68.234	18.34	30	Pass

操作模式	發射	測試日期	107 年 5 月 16 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11g

Channel	Frequency (MHz)	Peak Power (mW)	Peak Power (dBm)	Limit (dBm)	Pass/Fail
1	2412	304.789	24.84	30	Pass
6	2437	302.691	24.81	30	Pass
11	2462	292.415	24.66	30	Pass

802.11n (20MHz)

Channel	Frequency (MHz)	Peak Power(dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass/Fail
		CHAIN 0	CHAIN 1				
1	2412	23.95	24.13	507.134	27.05	30	Pass
6	2437	23.91	24.11	503.669	27.02	30	Pass
11	2462	23.64	23.81	471.642	26.74	30	Pass

802.11n (40MHz)

Channel	Frequency (MHz)	Peak Power(dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass/Fail
		CHAIN 0	CHAIN 1				
3	2422	23.28	23.48	435.658	26.39	30	Pass
6	2437	23.74	23.95	484.905	26.86	30	Pass
9	2452	23.12	23.32	419.899	26.23	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 3kHz，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。

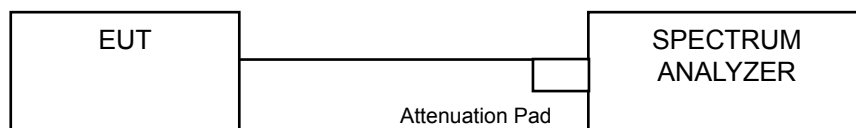
8.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 29, 2017	Sep. 28, 2018

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	107 年 5 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	Freq. (MHz)	PSD (dBm)	Limit (dBm)	Pass /Fail
1	2412	-12.24	8	Pass
6	2437	-12.05	8	Pass
11	2462	-12.17	8	Pass

操作模式	發射	測試日期	107 年 5 月 16 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11g

Channel	Freq. (MHz)	PSD (dBm)	Limit (dBm)	Pass /Fail
1	2412	-12.05	8	Pass
6	2437	-12.37	8	Pass
11	2462	-12.07	8	Pass

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	-13.04	3.01	-10.03	8	Pass
	6	2437	-13.25	3.01	-10.24	8	Pass
	11	2462	-13.53	3.01	-10.52	8	Pass
1	1	2412	-12.87	3.01	-9.86	8	Pass
	6	2437	-13.32	3.01	-10.31	8	Pass
	11	2462	-13.25	3.01	-10.24	8	Pass

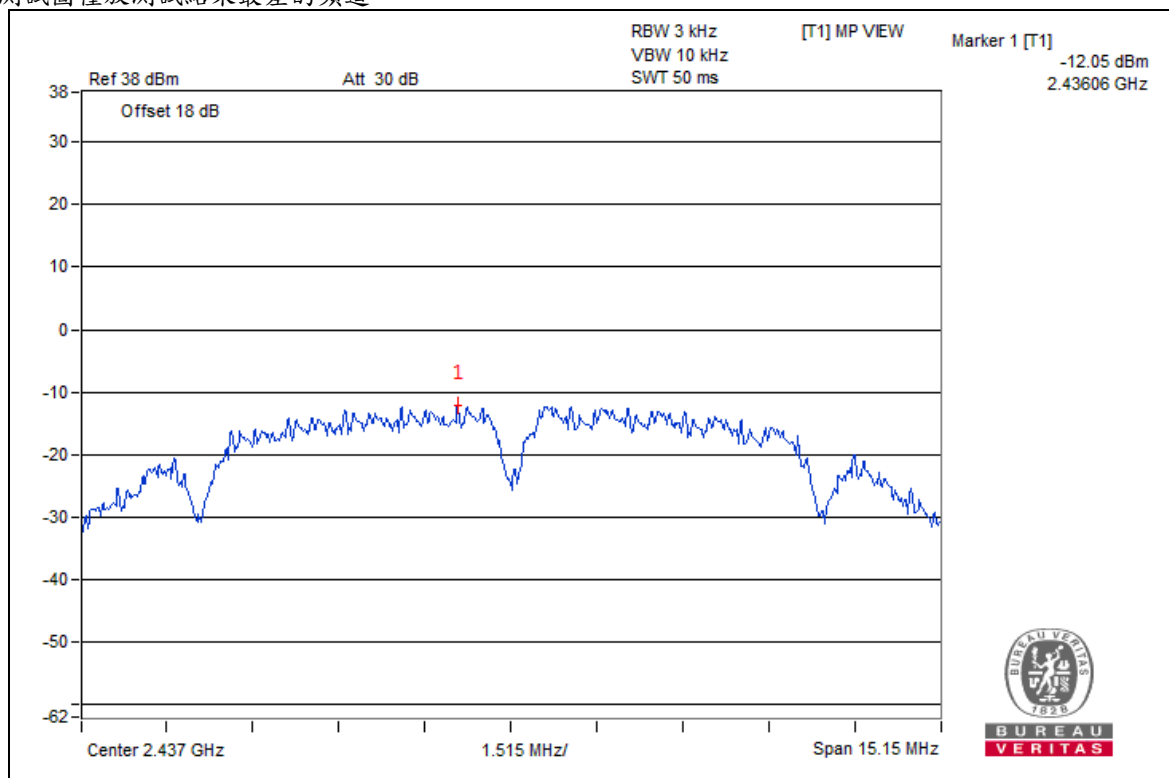
NOTE: Directional gain = 2.8dBi + 10log(2) = 5.81 < 6dBi, so the power density limit doesn't reduce.

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	-15.62	3.01	-12.61	8	Pass
	6	2437	-15.89	3.01	-12.88	8	Pass
	9	2452	-16.27	3.01	-13.26	8	Pass
1	3	2422	-15.14	3.01	-12.13	8	Pass
	6	2437	-15.51	3.01	-12.50	8	Pass
	9	2452	-15.62	3.01	-12.61	8	Pass

NOTE: Directional gain = $2.8\text{dBi} + 10\log(2) = 5.81 < 6\text{dBi}$, so the power density limit doesn't reduce.

**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

量測頻率 9kHz ~ 30MHz :

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米外離地1米的高度。測試桌面要360度旋轉，另外接收天線也要分別設置為Open軸性(Loop antenna面向EUT)與Close軸性(Loop antenna與EUT垂直)與 ground-parallel軸性(Loop antenna面向地板) 作量測，以找出最大的輻射電場強度。

量測頻率 30MHz 以上:

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. ^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. ^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	

Note:

有效等向輻射功率限制值轉換場強之公式如下：

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

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

9.6 帶外發射之量測結果

9.6.1 發射諧波

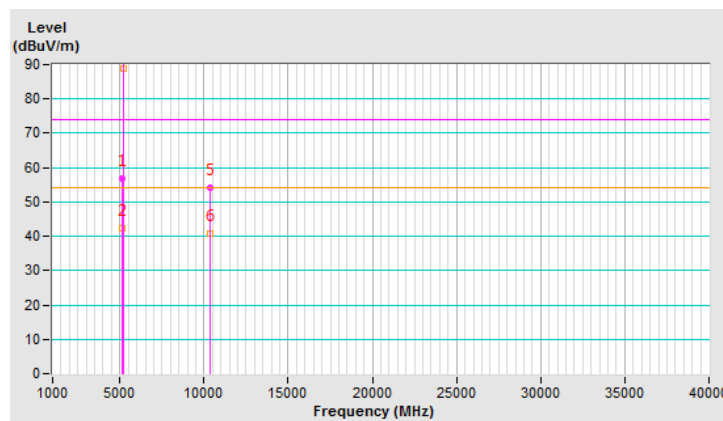
802.11a

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36 : 5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	56.80 PK	74.00	-17.20	1.00 H	177	53.14	3.66
2	5150.00	42.16 AV	54.00	-11.84	1.00 H	177	38.50	3.66
3	*5180.00	99.69 PK			1.00 H	177	96.31	3.38
4	*5180.00	88.75 AV			1.00 H	177	85.37	3.38
5	#10360.00	53.98 PK	74.00	-20.02	1.05 H	221	39.29	14.69
6	#10360.00	40.82 AV	54.00	-13.18	1.05 H	221	26.13	14.69
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

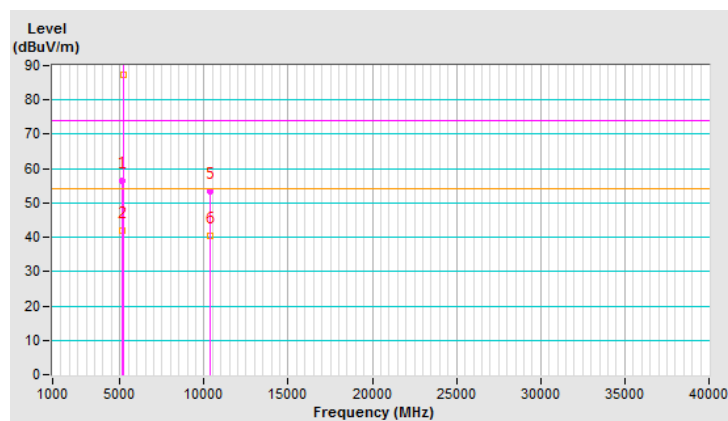


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	56.41 PK	74.00	-17.59	3.05 V	210	52.75	3.66
2	5150.00	42.03 AV	54.00	-11.97	3.05 V	210	38.37	3.66
3	*5180.00	98.44 PK			3.05 V	210	95.06	3.38
4	*5180.00	87.40 AV			3.05 V	210	84.02	3.38
5	#10360.00	53.21 PK	74.00	-20.79	1.72 V	72	38.52	14.69
6	#10360.00	40.57 AV	54.00	-13.43	1.72 V	72	25.88	14.69
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

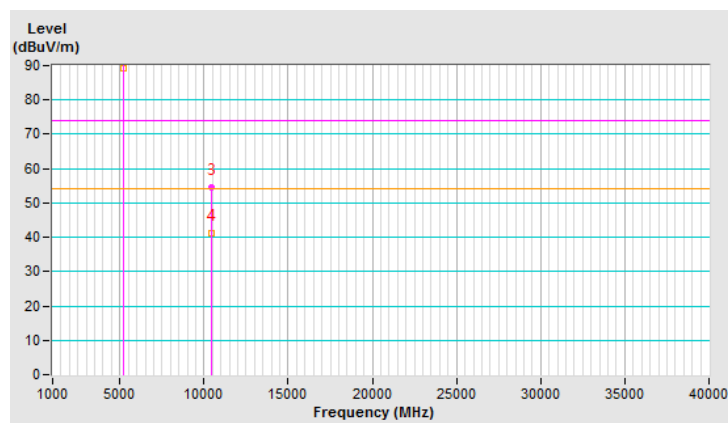


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	99.77 PK			2.87 H	180	96.58	3.19
2	*5200.00	89.08 AV			2.87 H	180	85.89	3.19
3	#10400.00	54.35 PK	74.00	-19.65	1.00 H	229	39.41	14.94
4	#10400.00	41.22 AV	54.00	-12.78	1.00 H	229	26.28	14.94
5	15600.00	-	-	-	-	-	-	-
6	20800.00	-	-	-	-	-	-	-
7	#26000.00	-	-	-	-	-	-	-
8	31200.00	-	-	-	-	-	-	-
9	#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.

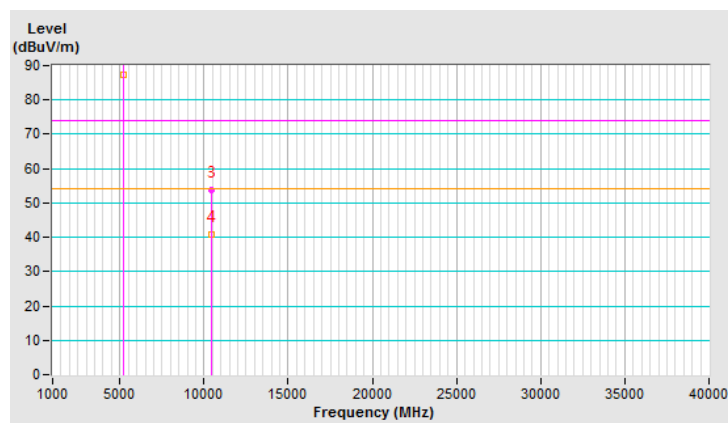


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	98.41 PK			3.10 V	211	95.22	3.19
2	*5200.00	87.32 AV			3.10 V	211	84.13	3.19
3	#10400.00	53.60 PK	74.00	-20.40	1.86 V	81	38.66	14.94
4	#10400.00	40.87 AV	54.00	-13.13	1.86 V	81	25.93	14.94
5	15600.00	-	-	-	-	-	-	-
6	20800.00	-	-	-	-	-	-	-
7	#26000.00	-	-	-	-	-	-	-
8	31200.00	-	-	-	-	-	-	-
9	#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.

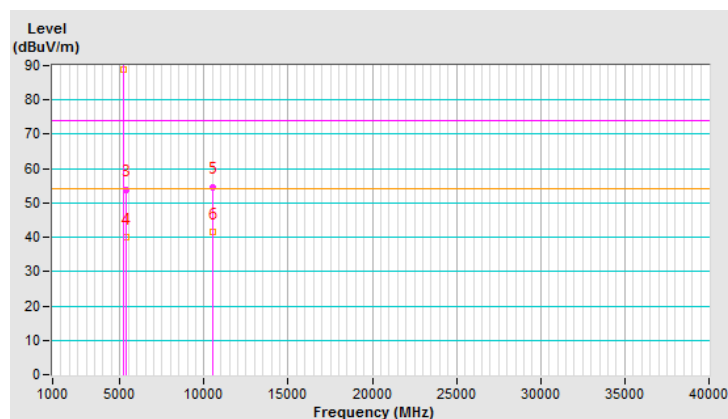


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	99.41 PK			1.97 H	110	96.41	3.00
2	*5240.00	88.73 AV			1.97 H	110	85.73	3.00
3	5350.00	53.96 PK	74.00	-20.04	1.97 H	110	51.04	2.92
4	5350.00	40.01 AV	54.00	-13.99	1.97 H	110	37.09	2.92
5	#10480.00	54.69 PK	74.00	-19.31	1.22 H	203	39.18	15.51
6	#10480.00	41.58 AV	54.00	-12.42	1.22 H	203	26.07	15.51
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

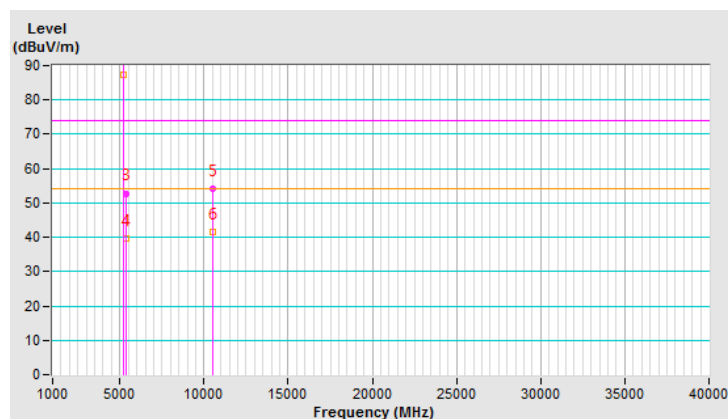


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	98.17 PK			3.00 V	225	95.17	3.00
2	*5240.00	87.18 AV			3.00 V	225	84.18	3.00
3	5350.00	52.80 PK	74.00	-21.20	3.00 V	225	49.88	2.92
4	5350.00	39.75 AV	54.00	-14.25	3.00 V	225	36.83	2.92
5	#10480.00	54.06 PK	74.00	-19.94	1.75 V	81	38.55	15.51
6	#10480.00	41.42 AV	54.00	-12.58	1.75 V	81	25.91	15.51
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

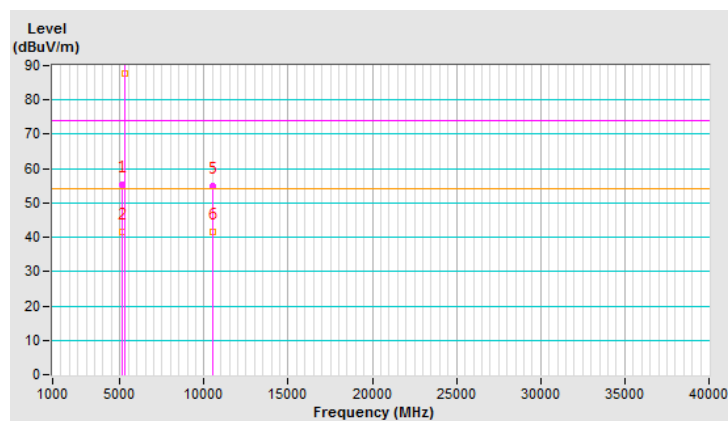


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	55.32 PK	74.00	-18.68	2.28 H	110	51.66	3.66
2	5150.00	41.65 AV	54.00	-12.35	2.28 H	110	37.99	3.66
3	*5260.00	98.67 PK			2.28 H	110	95.76	2.91
4	*5260.00	87.72 AV			2.28 H	110	84.81	2.91
5	#10520.00	54.91 PK	74.00	-19.09	1.13 H	184	39.27	15.64
6	#10520.00	41.66 AV	54.00	-12.34	1.13 H	184	26.02	15.64
7	15780.00	-	-	-	-	-	-	-
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

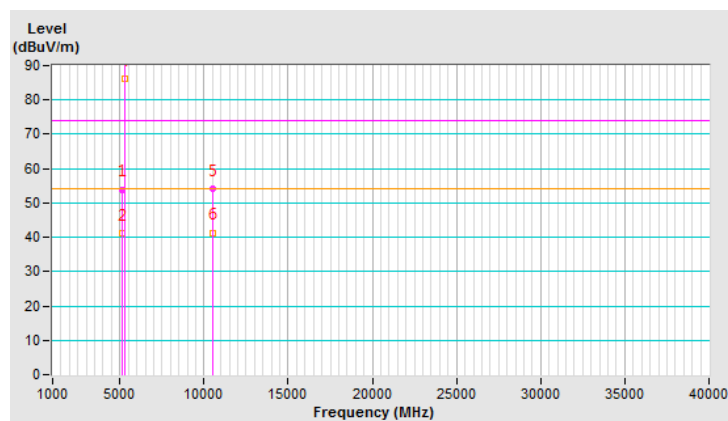


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	53.95 PK	74.00	-20.05	3.11 V	203	50.29	3.66
2	5150.00	41.21 AV	54.00	-12.79	3.11 V	203	37.55	3.66
3	*5260.00	97.04 PK			3.11 V	203	94.13	2.91
4	*5260.00	86.13 AV			3.11 V	203	83.22	2.91
5	#10520.00	53.98 PK	74.00	-20.02	1.88 V	79	38.34	15.64
6	#10520.00	41.35 AV	54.00	-12.65	1.88 V	79	25.71	15.64
7	15780.00	-	-	-	-	-	-	-
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

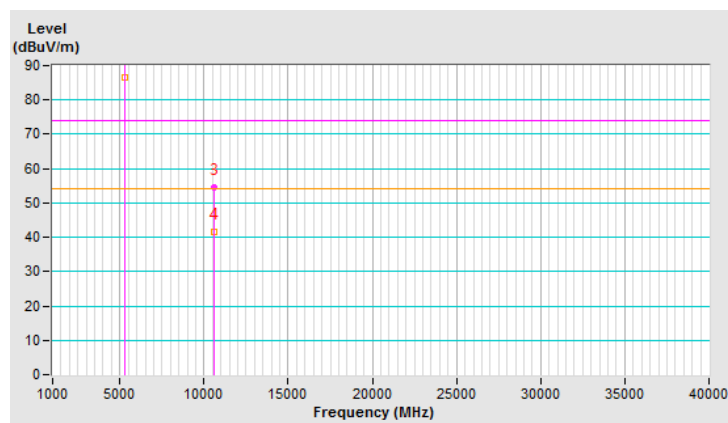


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5300.00	97.42 PK			2.27 H	112	94.65	2.77
2	*5300.00	86.41 AV			2.27 H	112	83.64	2.77
3	10600.00	54.67 PK	74.00	-19.33	1.28 H	180	39.11	15.56
4	10600.00	41.52 AV	54.00	-12.48	1.28 H	180	25.96	15.56
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

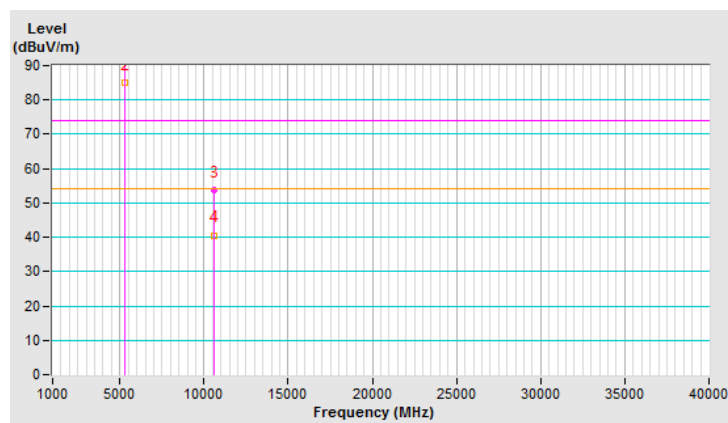


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5300.00	95.79 PK			3.08 V	201	93.02	2.77
2	*5300.00	84.94 AV			3.08 V	201	82.17	2.77
3	10600.00	53.68 PK	74.00	-20.32	1.99 V	88	38.12	15.56
4	10600.00	40.59 AV	54.00	-13.41	1.99 V	88	25.03	15.56
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

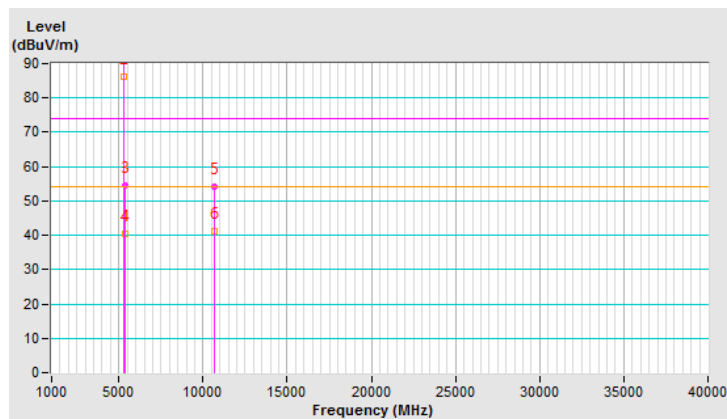


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5320.00	96.87 PK			2.28 H	134	94.05	2.82
2	*5320.00	86.03 AV			2.28 H	134	83.21	2.82
3	5350.00	54.60 PK	74.00	-19.40	2.28 H	134	51.68	2.92
4	5350.00	40.39 AV	54.00	-13.61	2.28 H	134	37.47	2.92
5	10640.00	54.27 PK	74.00	-19.73	1.29 H	175	38.81	15.46
6	10640.00	41.23 AV	54.00	-12.77	1.29 H	175	25.77	15.46
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

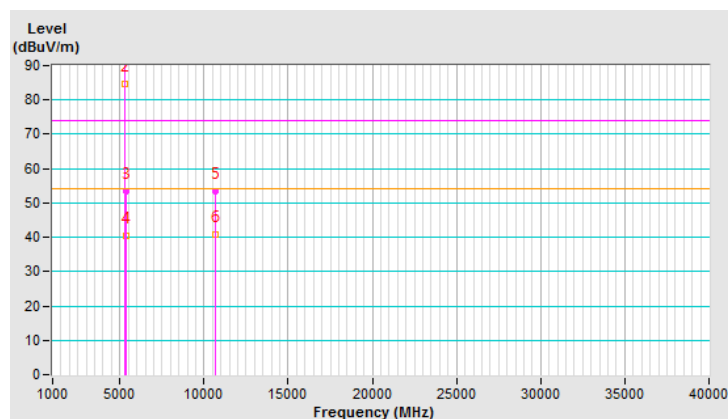


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5320.00	95.54 PK			3.03 V	213	92.72	2.82
2	*5320.00	84.70 AV			3.03 V	213	81.88	2.82
3	5350.00	53.25 PK	74.00	-20.75	3.03 V	213	50.33	2.92
4	5350.00	40.31 AV	54.00	-13.69	3.03 V	213	37.39	2.92
5	10640.00	53.49 PK	74.00	-20.51	1.92 V	87	38.03	15.46
6	10640.00	40.63 AV	54.00	-13.37	1.92 V	87	25.17	15.46
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

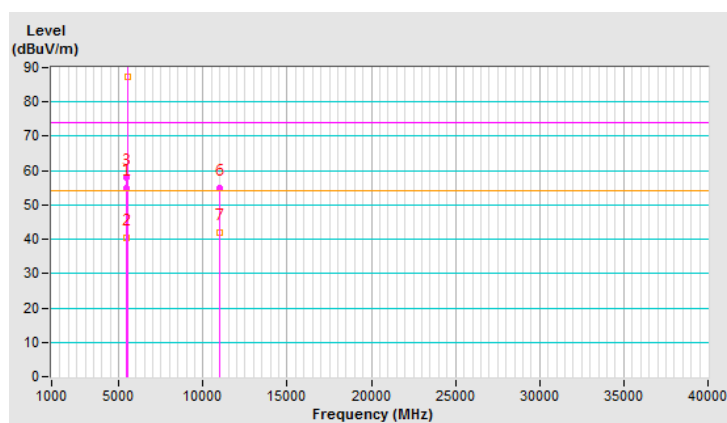


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	5460.00	54.81 PK	74.00	-19.19	1.80 H	121	51.55	3.26
2	5460.00	40.48 AV	54.00	-13.52	1.80 H	121	37.22	3.26
3	#5470.00	57.95 PK	68.20	-10.25	1.80 H	121	54.69	3.26
4	*5500.00	97.78 PK			1.80 H	121	94.55	3.23
5	*5500.00	87.15 AV			1.80 H	121	83.92	3.23
6	11000.00	54.98 PK	74.00	-19.02	1.38 H	202	39.10	15.88
7	11000.00	41.85 AV	54.00	-12.15	1.38 H	202	25.97	15.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

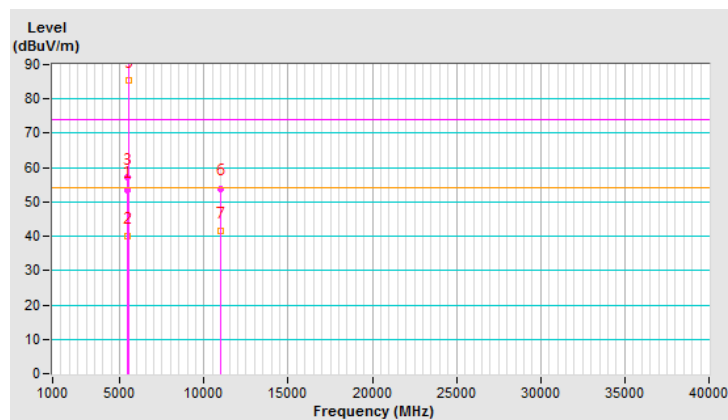


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	5460.00	53.47 PK	74.00	-20.53	3.42 V	195	50.21	3.26
2	5460.00	40.07 AV	54.00	-13.93	3.42 V	195	36.81	3.26
3	#5470.00	57.24 PK	68.20	-10.96	3.42 V	195	53.98	3.26
4	*5500.00	96.24 PK			3.42 V	195	93.01	3.23
5	*5500.00	85.32 AV			3.42 V	195	82.09	3.23
6	11000.00	53.94 PK	74.00	-20.06	1.94 V	73	38.06	15.88
7	11000.00	41.47 AV	54.00	-12.53	1.94 V	73	25.59	15.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

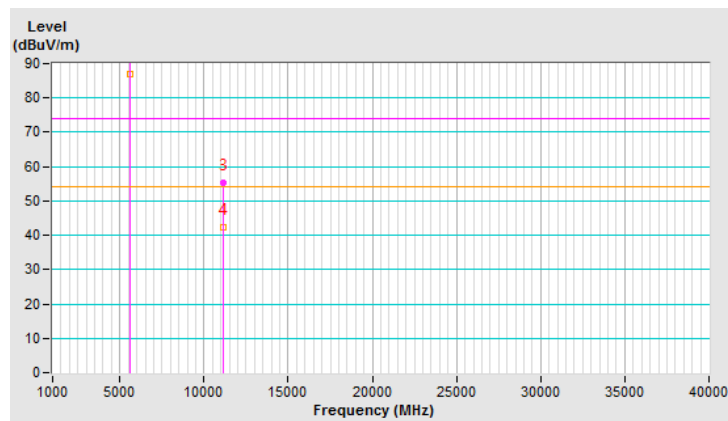


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 116：5580 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5580.00	97.95 PK			1.79 H	120	94.40	3.55
2	*5580.00	87.12 AV			1.79 H	120	83.57	3.55
3	11160.00	55.21 PK	74.00	-18.79	1.44 H	201	38.95	16.26
4	11160.00	42.15 AV	54.00	-11.85	1.44 H	201	25.89	16.26
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

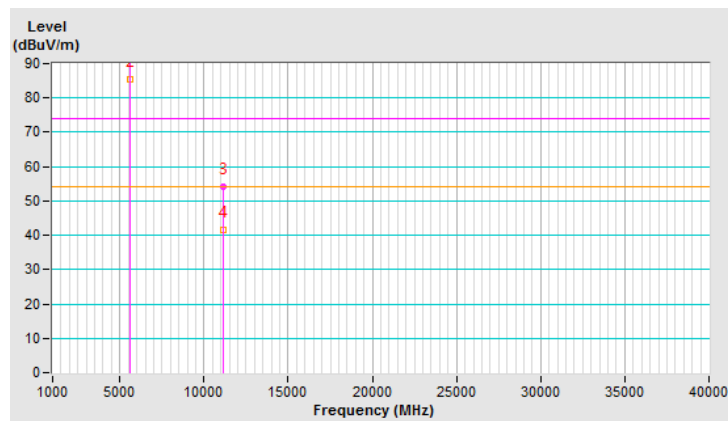


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 116：5580 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5580.00	96.37 PK			3.33 V	181	92.82	3.55
2	*5580.00	85.44 AV			3.33 V	181	81.89	3.55
3	11160.00	54.17 PK	74.00	-19.83	1.85 V	69	37.91	16.26
4	11160.00	41.67 AV	54.00	-12.33	1.85 V	69	25.41	16.26
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

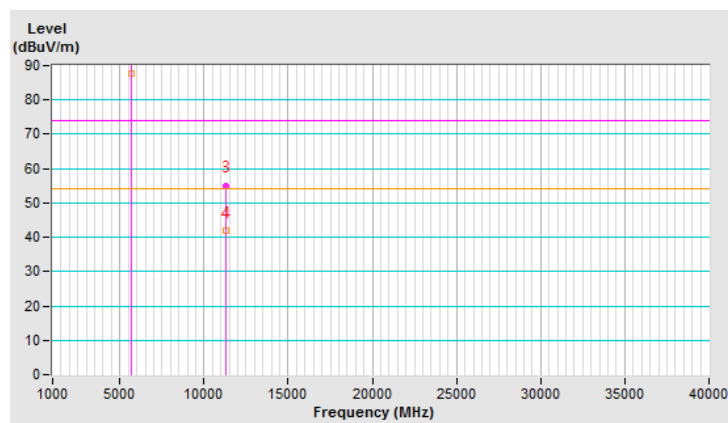


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 132：5660 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5660.00	98.47 PK			2.07 H	112	94.60	3.87
2	*5660.00	87.85 AV			2.07 H	112	83.98	3.87
3	11320.00	55.09 PK	74.00	-18.91	1.55 H	176	39.18	15.91
4	11320.00	41.98 AV	54.00	-12.02	1.55 H	176	26.07	15.91
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

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.

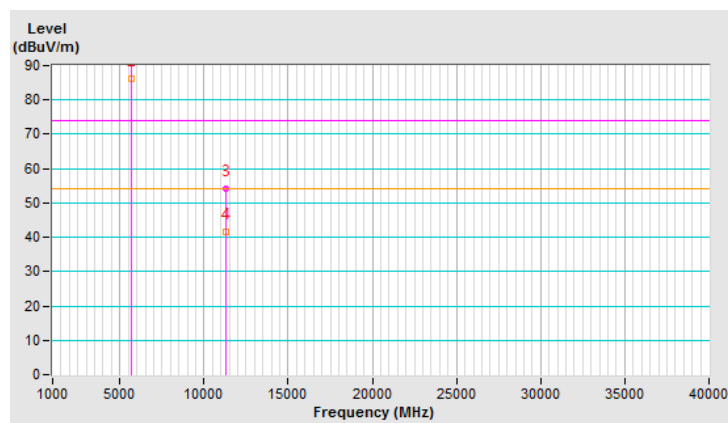


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 132：5660 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5660.00	96.99 PK			3.51 V	200	93.12	3.87
2	*5660.00	86.04 AV			3.51 V	200	82.17	3.87
3	11320.00	54.05 PK	74.00	-19.95	2.00 V	79	38.14	15.91
4	11320.00	41.57 AV	54.00	-12.43	2.00 V	79	25.66	15.91
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

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.

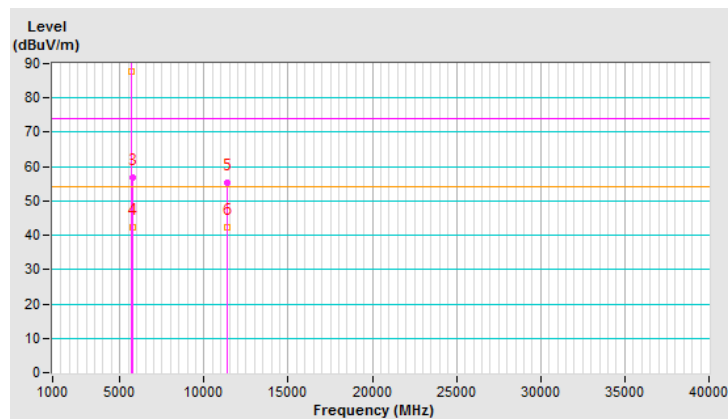


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 140：5700 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5700.00	98.52 PK			2.06 H	114	94.40	4.12
2	*5700.00	87.90 AV			2.06 H	114	83.78	4.12
3	#5725.00	56.64 PK	74.00	-17.36	2.06 H	114	52.34	4.30
4	#5725.00	42.31 AV	54.00	-11.69	2.06 H	114	38.01	4.30
5	11400.00	55.29 PK	74.00	-18.71	1.66 H	200	39.04	16.25
6	11400.00	42.16 AV	54.00	-11.84	1.66 H	200	25.91	16.25
7	#17100.00	-	-	-	-	-	-	-
8	22800.00	-	-	-	-	-	-	-
9	#28500.00	-	-	-	-	-	-	-
10	#34200.00	-	-	-	-	-	-	-
11	39900.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

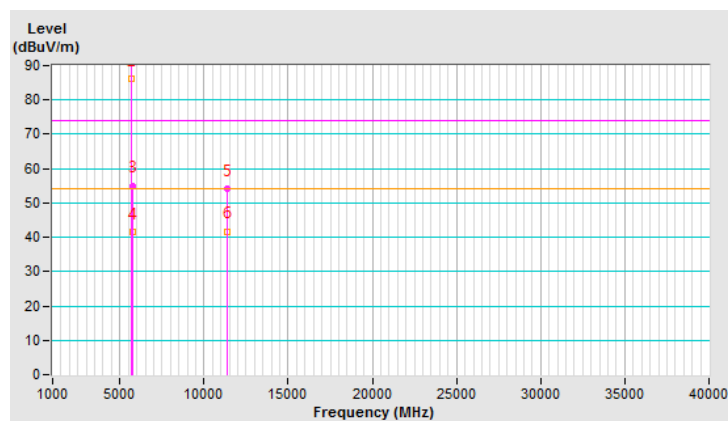


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 140：5700 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5700.00	96.99 PK			3.31 V	201	92.87	4.12
2	*5700.00	86.09 AV			3.31 V	201	81.97	4.12
3	#5725.00	55.07 PK	74.00	-18.93	3.31 V	201	50.77	4.30
4	#5725.00	41.44 AV	54.00	-12.56	3.31 V	201	37.14	4.30
5	11400.00	54.26 PK	74.00	-19.74	2.00 V	80	38.01	16.25
6	11400.00	41.75 AV	54.00	-12.25	2.00 V	80	25.50	16.25
7	#17100.00	-	-	-	-	-	-	-
8	22800.00	-	-	-	-	-	-	-
9	#28500.00	-	-	-	-	-	-	-
10	#34200.00	-	-	-	-	-	-	-
11	39900.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

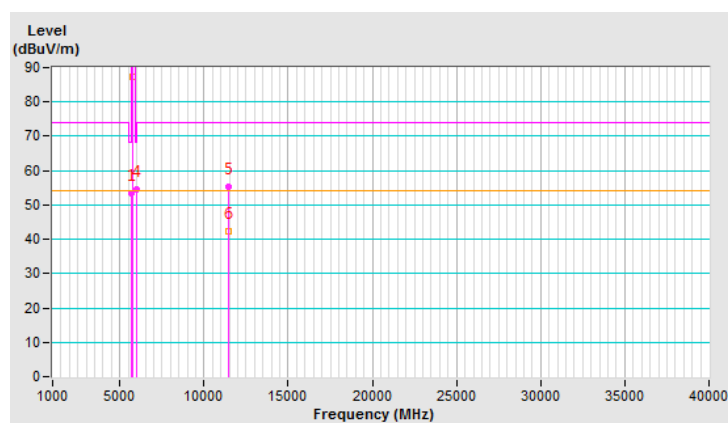


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	#5646.22	53.39 PK	68.20	-14.81	2.07 H	97	49.60	3.79
2	*5745.00	98.21 PK			2.07 H	97	93.76	4.45
3	*5745.00	87.40 AV			2.07 H	97	82.95	4.45
4	#5958.90	54.41 PK	68.20	-13.79	2.07 H	97	49.15	5.26
5	11490.00	55.15 PK	74.00	-18.85	1.77 H	176	38.65	16.50
6	11490.00	42.16 AV	54.00	-11.84	1.77 H	176	25.66	16.50
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.

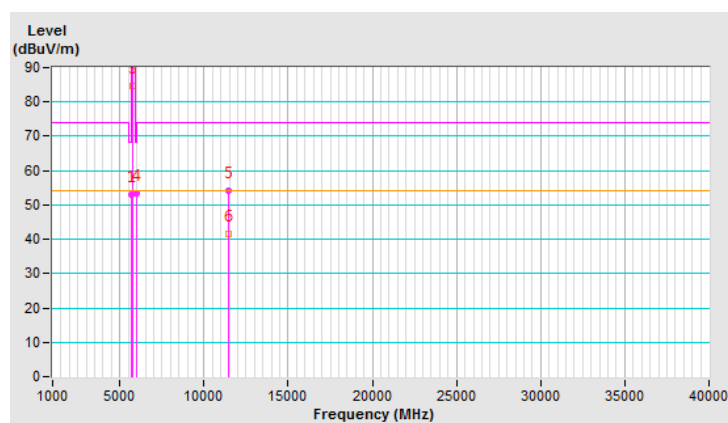


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	#5643.74	53.05 PK	68.20	-15.15	3.61 V	219	49.25	3.80
2	*5745.00	96.26 PK			3.61 V	219	91.81	4.45
3	*5745.00	84.78 AV			3.61 V	219	80.33	4.45
4	#5956.12	53.50 PK	68.20	-14.70	3.61 V	219	48.25	5.25
5	11490.00	54.01 PK	74.00	-19.99	2.01 V	82	37.51	16.50
6	11490.00	41.60 AV	54.00	-12.40	2.01 V	82	25.10	16.50
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.

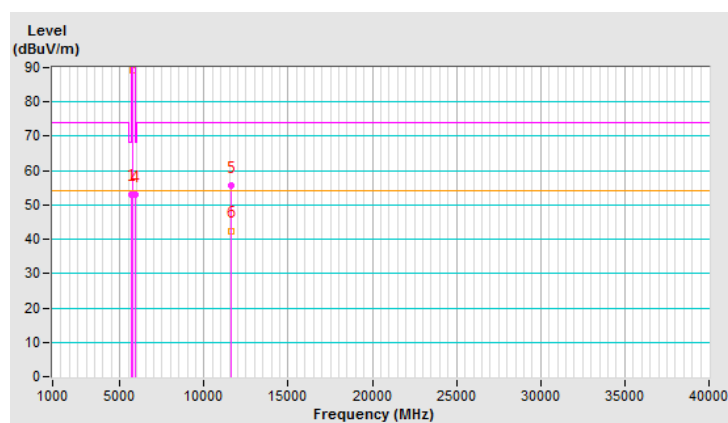


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	#5642.01	53.16 PK	68.20	-15.04	2.09 H	113	49.38	3.78
2	*5785.00	99.78 PK			2.09 H	113	95.03	4.75
3	*5785.00	89.25 AV			2.09 H	113	84.50	4.75
4	#5948.19	53.10 PK	68.20	-15.10	2.09 H	113	47.88	5.22
5	11570.00	55.52 PK	74.00	-18.48	1.76 H	188	38.91	16.61
6	11570.00	42.49 AV	54.00	-11.51	1.76 H	188	25.88	16.61
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.

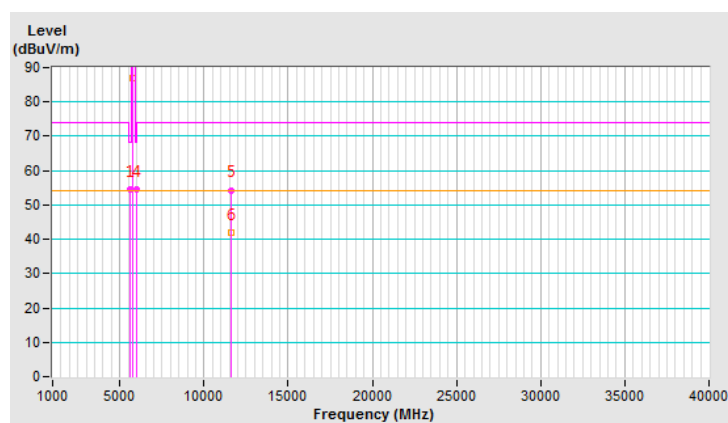


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	#5570.53	54.47 PK	68.20	-13.73	3.66 V	214	50.95	3.52
2	*5785.00	98.17 PK			3.66 V	214	93.42	4.75
3	*5785.00	86.85 AV			3.66 V	214	82.10	4.75
4	#5991.31	54.44 PK	68.20	-13.76	3.66 V	214	48.99	5.45
5	11570.00	54.33 PK	74.00	-19.67	1.87 V	94	37.72	16.61
6	11570.00	41.90 AV	54.00	-12.10	1.87 V	94	25.29	16.61
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.

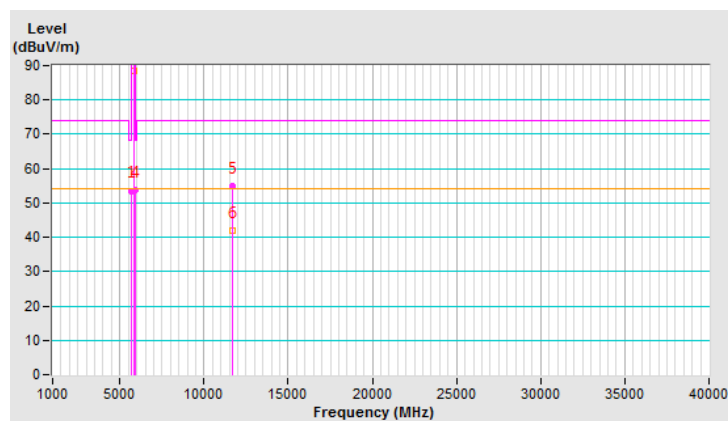


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	#5646.40	53.58 PK	68.20	-14.62	4.00 H	113	49.79	3.79
2	*5825.00	98.83 PK			4.00 H	113	93.86	4.97
3	*5825.00	88.31 AV			4.00 H	113	83.34	4.97
4	#5945.13	53.81 PK	68.20	-14.39	4.00 H	113	48.60	5.21
5	11650.00	54.87 PK	74.00	-19.13	1.81 H	177	38.51	16.36
6	11650.00	41.95 AV	54.00	-12.05	1.81 H	177	25.59	16.36
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.

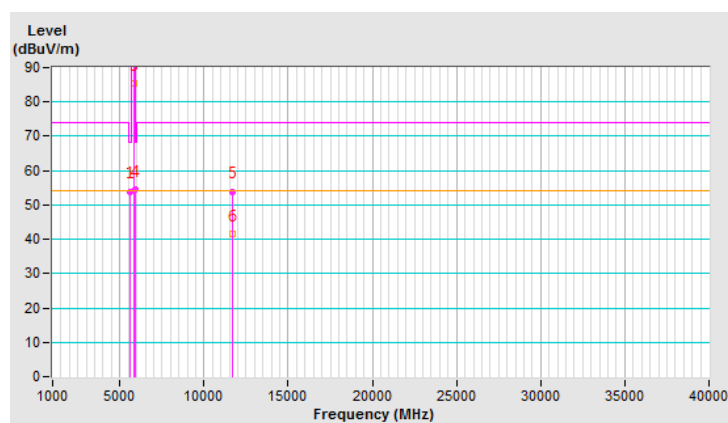


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	#5626.68	53.96 PK	68.20	-14.24	3.55 V	218	50.23	3.73
2	*5825.00	96.89 PK			3.55 V	218	91.92	4.97
3	*5825.00	85.38 AV			3.55 V	218	80.41	4.97
4	#5950.51	54.38 PK	68.20	-13.82	3.55 V	218	49.16	5.22
5	11650.00	53.96 PK	74.00	-20.04	1.97 V	78	37.60	16.36
6	11650.00	41.54 AV	54.00	-12.46	1.97 V	78	25.18	16.36
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.



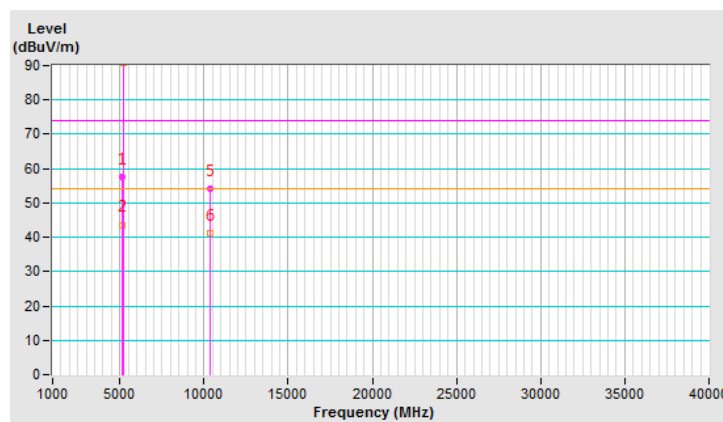
802.11n (HT20)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36 : 5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	57.72 PK	74.00	-16.28	1.03 H	177	54.06	3.66
2	5150.00	43.66 AV	54.00	-10.34	1.03 H	177	40.00	3.66
3	*5180.00	100.55 PK			1.03 H	177	97.17	3.38
4	*5180.00	90.66 AV			1.03 H	177	87.28	3.38
5	#10360.00	54.23 PK	74.00	-19.77	1.72 H	184	39.54	14.69
6	#10360.00	41.30 AV	54.00	-12.70	1.72 H	184	26.61	14.69
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

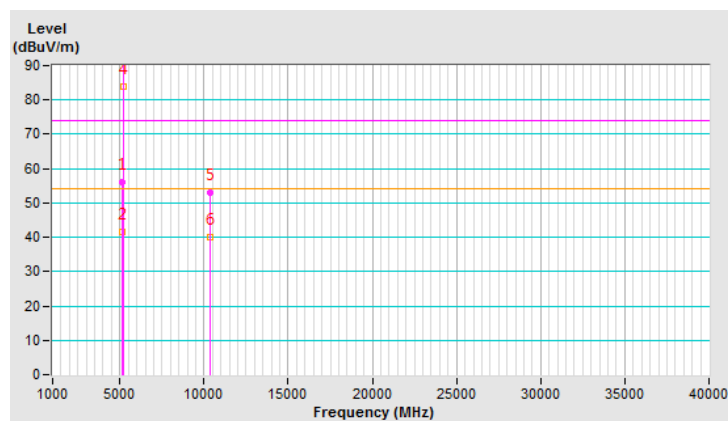


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	56.05 PK	74.00	-17.95	2.97 V	100	52.39	3.66
2	5150.00	41.68 AV	54.00	-12.32	2.97 V	100	38.02	3.66
3	*5180.00	94.78 PK			2.97 V	100	91.40	3.38
4	*5180.00	83.81 AV			2.97 V	100	80.43	3.38
5	#10360.00	52.86 PK	74.00	-21.14	1.59 V	67	38.17	14.69
6	#10360.00	40.18 AV	54.00	-13.82	1.59 V	67	25.49	14.69
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#36260.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

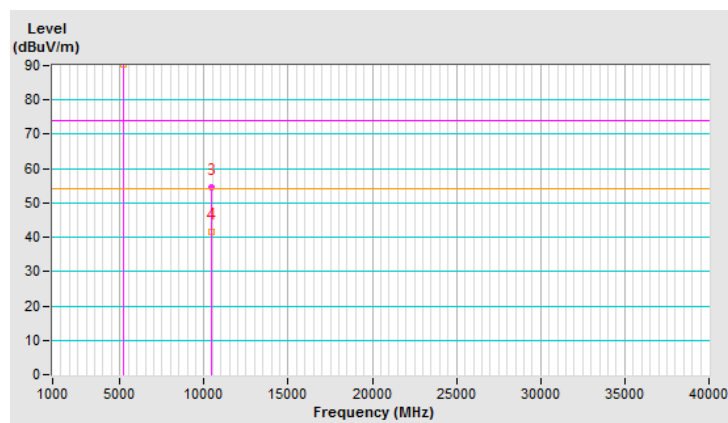


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	100.73 PK			1.00 H	178	97.54	3.19
2	*5200.00	90.55 AV			1.00 H	178	87.36	3.19
3	#10400.00	54.56 PK	74.00	-19.44	1.77 H	180	39.62	14.94
4	#10400.00	41.64 AV	54.00	-12.36	1.77 H	180	26.70	14.94
5	15600.00	-	-	-	-	-	-	-
6	20800.00	-	-	-	-	-	-	-
7	#26000.00	-	-	-	-	-	-	-
8	31200.00	-	-	-	-	-	-	-
9	#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.

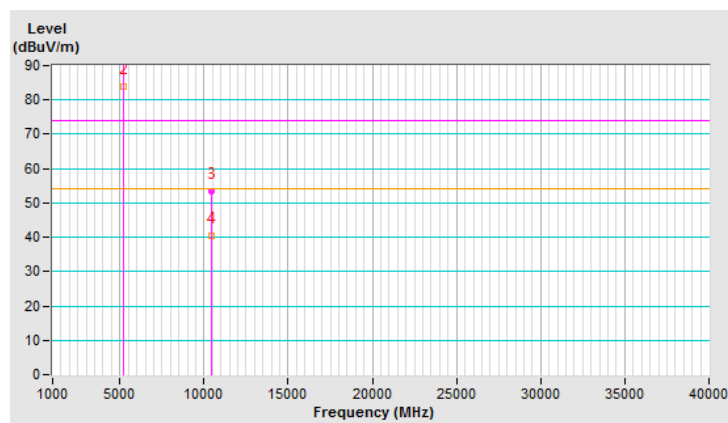


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	94.77 PK			3.02 V	100	91.58	3.19
2	*5200.00	83.74 AV			3.02 V	100	80.55	3.19
3	#10400.00	53.23 PK	74.00	-20.77	1.66 V	69	38.29	14.94
4	#10400.00	40.57 AV	54.00	-13.43	1.66 V	69	25.63	14.94
5	15600.00	-	-	-	-	-	-	-
6	20800.00	-	-	-	-	-	-	-
7	#26000.00	-	-	-	-	-	-	-
8	31200.00	-	-	-	-	-	-	-
9	#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.

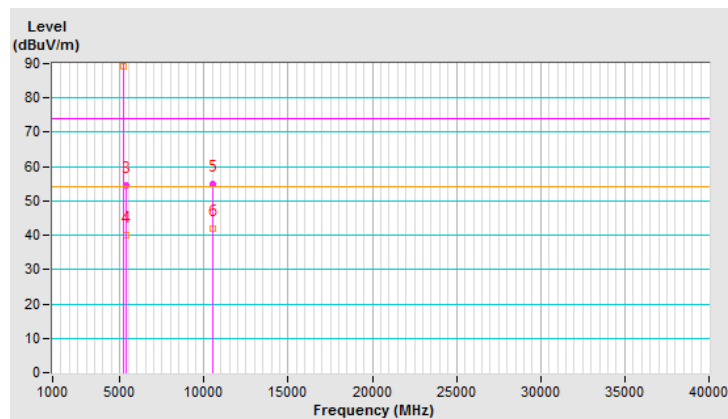


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	98.91 PK			1.00 H	179	95.91	3.00
2	*5240.00	89.43 AV			1.00 H	179	86.43	3.00
3	5350.00	54.40 PK	74.00	-19.60	1.00 H	179	51.48	2.92
4	5350.00	40.03 AV	54.00	-13.97	1.00 H	179	37.11	2.92
5	#10480.00	54.78 PK	74.00	-19.22	1.65 H	181	39.27	15.51
6	#10480.00	41.99 AV	54.00	-12.01	1.65 H	181	26.48	15.51
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

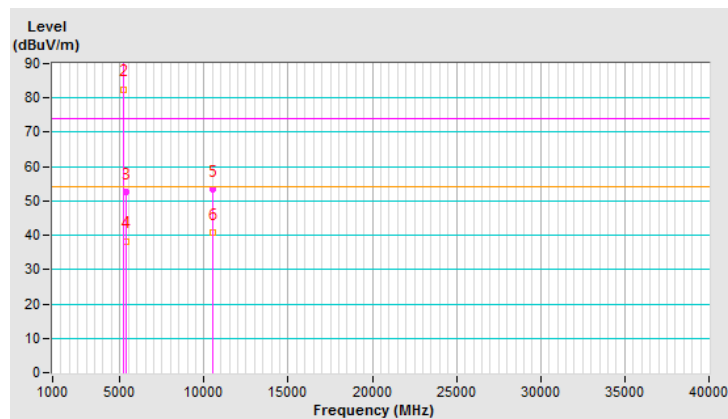


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	93.31 PK			2.99 V	101	90.31	3.00
2	*5240.00	82.55 AV			2.99 V	101	79.55	3.00
3	5350.00	52.58 PK	74.00	-21.42	2.99 V	101	49.66	2.92
4	5350.00	38.30 AV	54.00	-15.70	2.99 V	101	35.38	2.92
5	#10480.00	53.49 PK	74.00	-20.51	1.60 V	71	37.98	15.51
6	#10480.00	40.78 AV	54.00	-13.22	1.60 V	71	25.27	15.51
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#36680.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

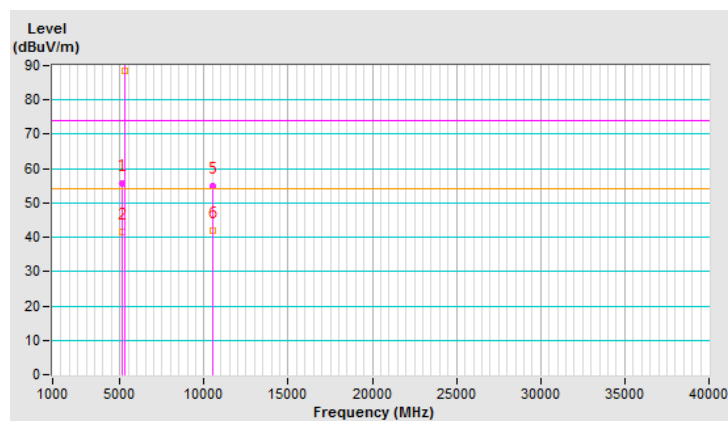


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	55.81 PK	74.00	-18.19	1.19 H	178	52.15	3.66
2	5150.00	41.69 AV	54.00	-12.31	1.19 H	178	38.03	3.66
3	*5260.00	98.33 PK			1.00 H	178	95.42	2.91
4	*5260.00	88.62 AV			1.00 H	178	85.71	2.91
5	#10520.00	54.95 PK	74.00	-19.05	1.81 H	196	39.31	15.64
6	#10520.00	42.02 AV	54.00	-11.98	1.81 H	196	26.38	15.64
7	15780.00	-	-	-	-	-	-	-
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

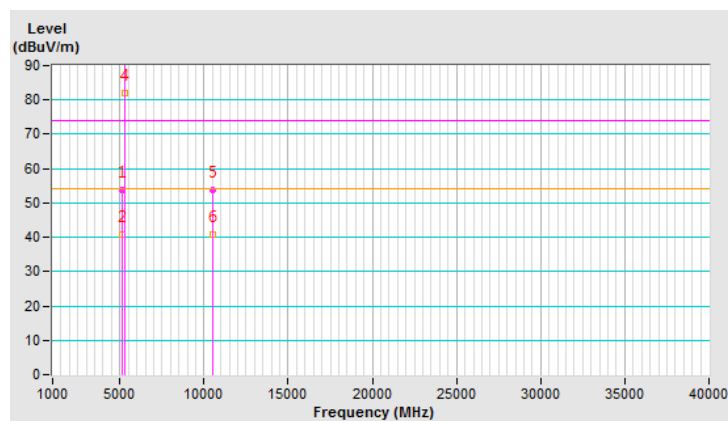


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	53.84 PK	74.00	-20.16	3.22 V	108	50.18	3.66
2	5150.00	40.78 AV	54.00	-13.22	3.22 V	108	37.12	3.66
3	*5260.00	92.94 PK			3.22 V	108	90.03	2.91
4	*5260.00	82.04 AV			3.22 V	108	79.13	2.91
5	#10520.00	53.62 PK	74.00	-20.38	1.55 V	68	37.98	15.64
6	#10520.00	40.85 AV	54.00	-13.15	1.55 V	68	25.21	15.64
7	15780.00	-	-	-	-	-	-	-
8	21040.00	-	-	-	-	-	-	-
9	#26300.00	-	-	-	-	-	-	-
10	31560.00	-	-	-	-	-	-	-
11	#36820.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

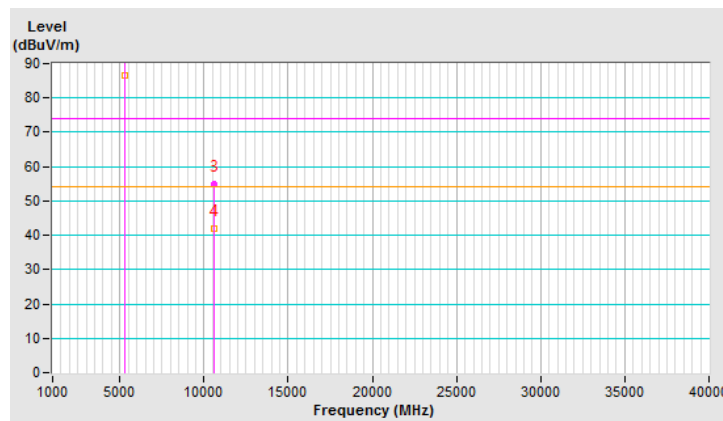


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5300.00	97.24 PK			1.20 H	143	94.47	2.77
2	*5300.00	86.69 AV			1.20 H	143	83.92	2.77
3	10600.00	54.77 PK	74.00	-19.23	1.92 H	199	39.21	15.56
4	10600.00	41.87 AV	54.00	-12.13	1.92 H	199	26.31	15.56
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

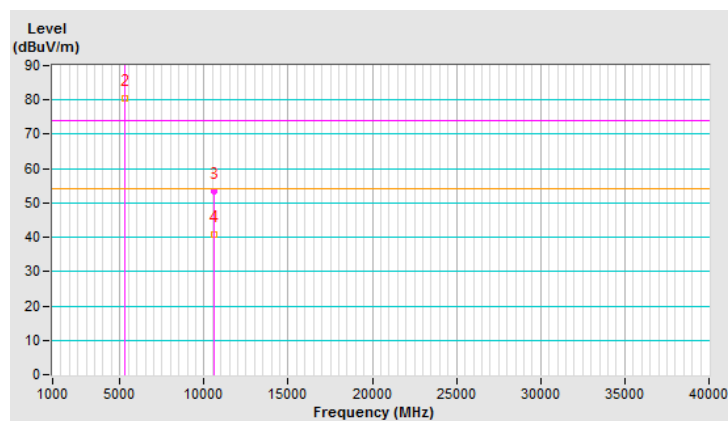


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5300.00	91.45 PK			3.21 V	119	88.68	2.77
2	*5300.00	80.52 AV			3.21 V	119	77.75	2.77
3	10600.00	53.27 PK	74.00	-20.73	1.58 V	72	37.71	15.56
4	10600.00	40.70 AV	54.00	-13.30	1.58 V	72	25.14	15.56
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

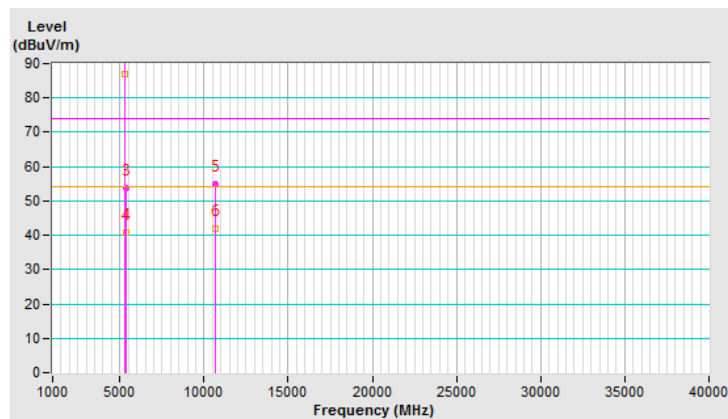


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5320.00	97.50 PK			1.04 H	202	94.68	2.82
2	*5320.00	87.11 AV			1.04 H	202	84.29	2.82
3	5350.00	53.89 PK	74.00	-20.11	1.04 H	202	50.97	2.92
4	5350.00	40.69 AV	54.00	-13.31	1.04 H	202	37.77	2.92
5	10640.00	54.76 PK	74.00	-19.24	1.82 H	200	39.30	15.46
6	10640.00	41.88 AV	54.00	-12.12	1.82 H	200	26.42	15.46
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

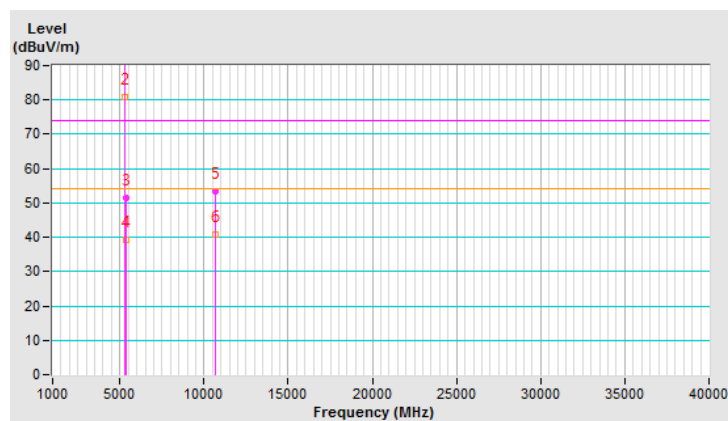


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5320.00	91.63 PK			3.31 V	123	88.81	2.82
2	*5320.00	80.71 AV			3.31 V	123	77.89	2.82
3	5350.00	51.37 PK	74.00	-22.63	3.31 V	123	48.45	2.92
4	5350.00	39.10 AV	54.00	-14.90	3.31 V	123	36.18	2.92
5	10640.00	53.32 PK	74.00	-20.68	1.69 V	71	37.86	15.46
6	10640.00	40.64 AV	54.00	-13.36	1.69 V	71	25.18	15.46
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

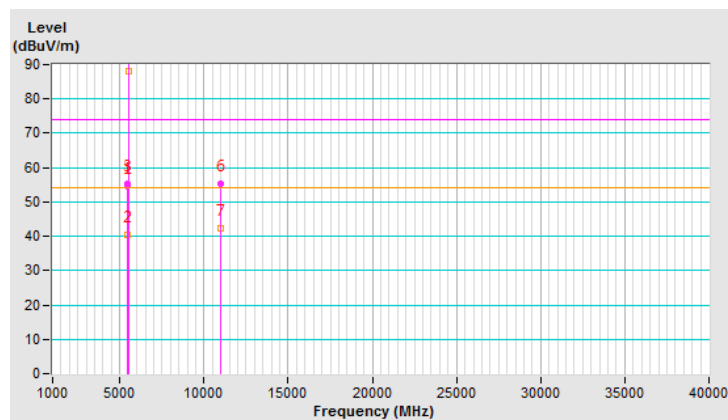


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	5460.00	54.64 PK	74.00	-19.36	3.72 H	54	51.38	3.26
2	5460.00	40.41 AV	54.00	-13.59	3.72 H	54	37.15	3.26
3	#5470.00	55.44 PK	68.20	-12.76	3.72 H	54	52.18	3.26
4	*5500.00	99.05 PK			3.72 H	54	95.82	3.23
5	*5500.00	88.14 AV			3.72 H	54	84.91	3.23
6	11000.00	55.30 PK	74.00	-18.70	1.88 H	207	39.42	15.88
7	11000.00	42.45 AV	54.00	-11.55	1.88 H	207	26.57	15.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

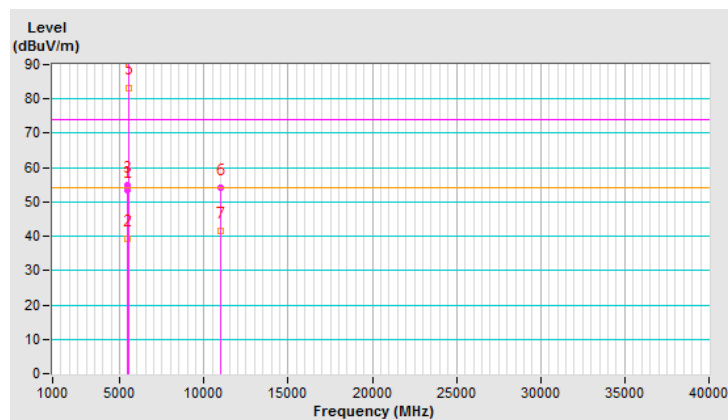


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	5460.00	53.29 PK	74.00	-20.71	1.62 V	201	50.03	3.26
2	5460.00	39.14 AV	54.00	-14.86	1.62 V	201	35.88	3.26
3	#5470.00	54.98 PK	68.20	-13.22	1.62 V	201	51.72	3.26
4	*5500.00	94.22 PK			1.62 V	201	90.99	3.23
5	*5500.00	83.30 AV			1.62 V	201	80.07	3.23
6	11000.00	54.09 PK	74.00	-19.91	1.88 V	227	38.21	15.88
7	11000.00	41.61 AV	54.00	-12.39	1.88 V	227	25.73	15.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

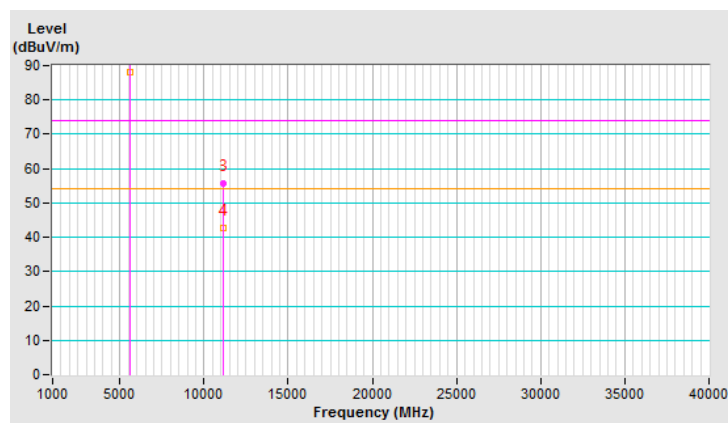


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 116：5580 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 14 日	測試者：	魏郡岐

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	*5580.00	98.59 PK			1.46 H	132	95.04	3.55
2	*5580.00	88.20 AV			1.46 H	132	84.65	3.55
3	11160.00	55.54 PK	74.00	-18.46	1.57 H	205	39.28	16.26
4	11160.00	42.67 AV	54.00	-11.33	1.57 H	205	26.41	16.26
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

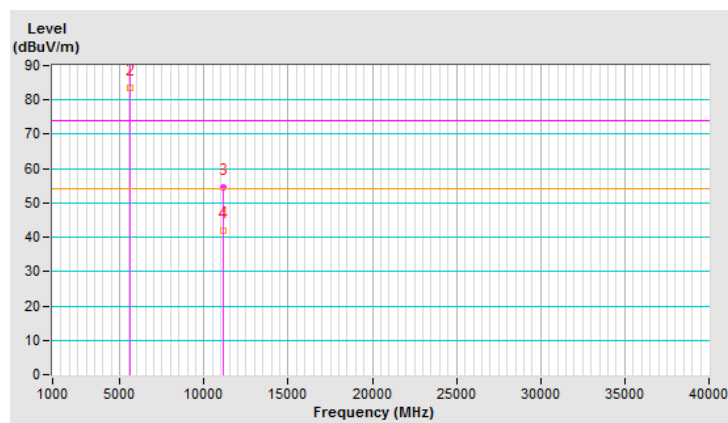


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 116：5580 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5580.00	93.97 PK			3.00 V	111	90.42	3.55
2	*5580.00	83.36 AV			3.00 V	111	79.81	3.55
3	11160.00	54.36 PK	74.00	-19.64	2.57 V	142	38.10	16.26
4	11160.00	41.83 AV	54.00	-12.17	2.57 V	142	25.57	16.26
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

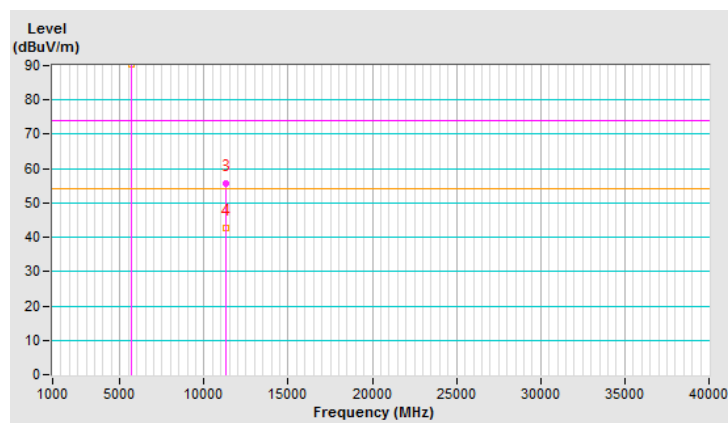


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 132：5660 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5660.00	101.11 PK			1.04 H	53	97.24	3.87
2	*5660.00	90.34 AV			1.04 H	53	86.47	3.87
3	11320.00	55.59 PK	74.00	-18.41	1.92 H	188	39.68	15.91
4	11320.00	42.70 AV	54.00	-11.30	1.92 H	188	26.79	15.91
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

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.

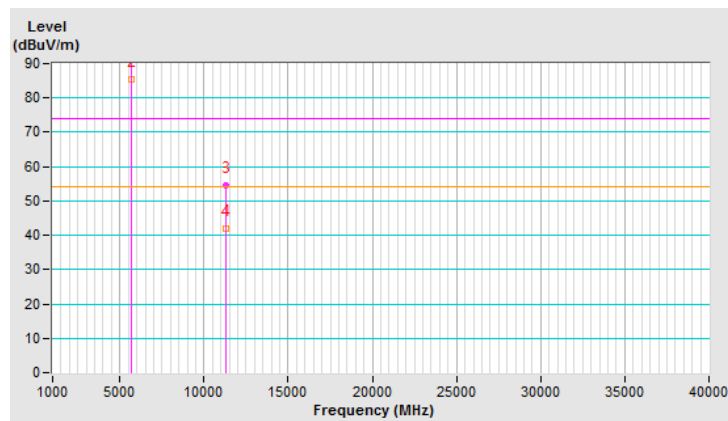


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 132：5660 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5660.00	96.15 PK			1.78 V	222	92.28	3.87
2	*5660.00	85.42 AV			1.78 V	222	81.55	3.87
3	11320.00	54.40 PK	74.00	-19.60	1.91 V	206	38.49	15.91
4	11320.00	41.82 AV	54.00	-12.18	1.91 V	206	25.91	15.91
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

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.

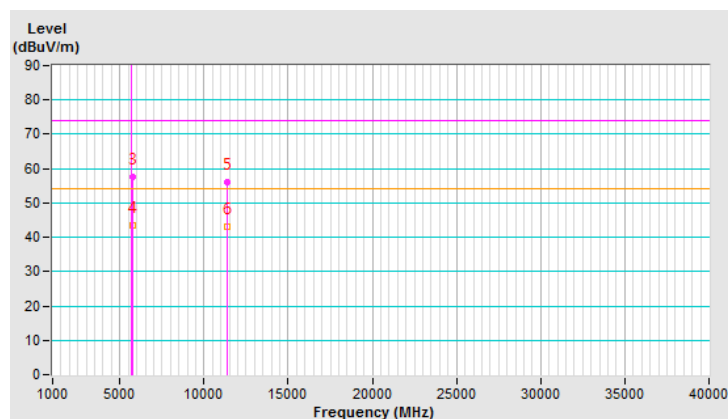


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 140：5700 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5700.00	101.78 PK			1.00 H	51	97.66	4.12
2	*5700.00	91.49 AV			1.00 H	51	87.37	4.12
3	#5725.00	57.42 PK	74.00	-16.58	1.00 H	51	53.12	4.30
4	#5725.00	43.32 AV	54.00	-10.68	1.00 H	51	39.02	4.30
5	11400.00	55.97 PK	74.00	-18.03	1.78 H	221	39.72	16.25
6	11400.00	43.13 AV	54.00	-10.87	1.78 H	221	26.88	16.25
7	#17100.00	-	-	-	-	-	-	-
8	22800.00	-	-	-	-	-	-	-
9	#28500.00	-	-	-	-	-	-	-
10	#34200.00	-	-	-	-	-	-	-
11	39900.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

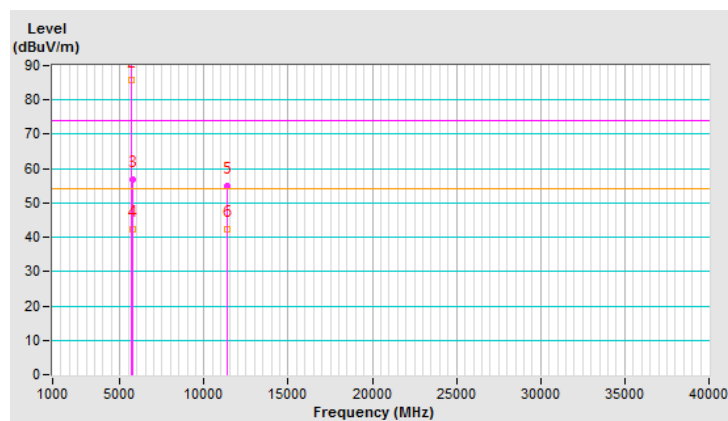


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 140：5700 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5700.00	96.78 PK			1.77 V	213	92.66	4.12
2	*5700.00	85.95 AV			1.77 V	213	81.83	4.12
3	#5725.00	56.73 PK	74.00	-17.27	1.77 V	213	52.43	4.30
4	#5725.00	42.26 AV	54.00	-11.74	1.77 V	213	37.96	4.30
5	11400.00	54.83 PK	74.00	-19.17	1.99 V	200	38.58	16.25
6	11400.00	42.32 AV	54.00	-11.68	1.99 V	200	26.07	16.25
7	#17100.00	-	-	-	-	-	-	-
8	22800.00	-	-	-	-	-	-	-
9	#28500.00	-	-	-	-	-	-	-
10	#34200.00	-	-	-	-	-	-	-
11	39900.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

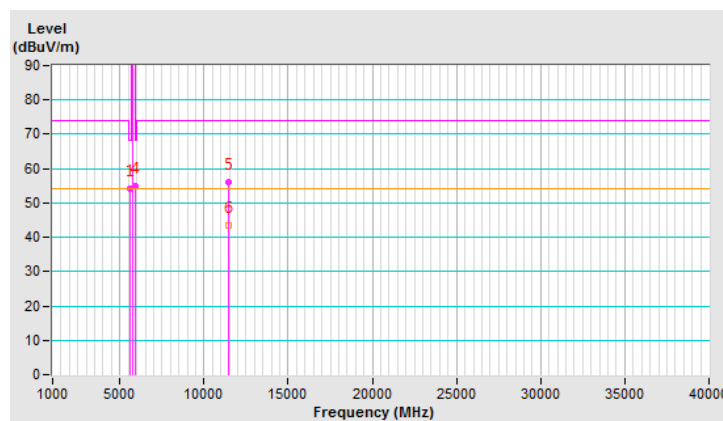


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5639.68	54.25 PK	68.20	-13.95	3.92 H	59	50.47	3.78
2	*5745.00	104.18 PK			3.92 H	59	99.73	4.45
3	*5745.00	93.66 AV			3.92 H	59	89.21	4.45
4	#5941.90	54.89 PK	68.20	-13.31	3.92 H	59	49.68	5.21
5	11490.00	56.09 PK	74.00	-17.91	2.03 H	184	39.59	16.50
6	11490.00	43.31 AV	54.00	-10.69	2.03 H	184	26.81	16.50
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.

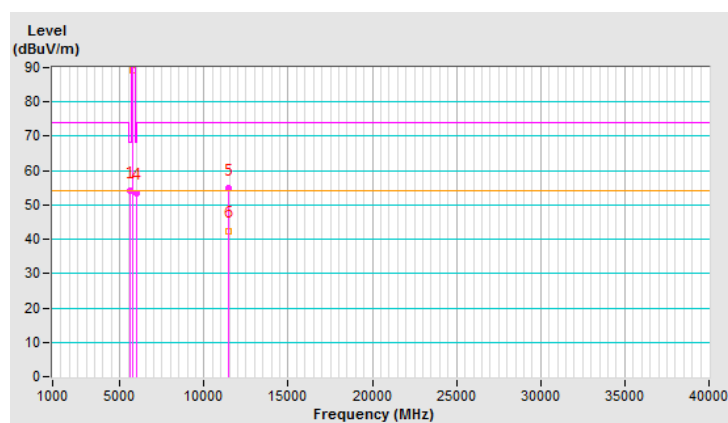


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5640.20	54.03 PK	68.20	-14.17	1.66 V	195	50.25	3.78
2	*5745.00	99.32 PK			1.66 V	195	94.87	4.45
3	*5745.00	89.42 AV			1.66 V	195	84.97	4.45
4	#5956.10	53.58 PK	68.20	-14.62	1.66 V	195	48.33	5.25
5	11490.00	54.99 PK	74.00	-19.01	1.00 V	137	38.49	16.50
6	11490.00	42.48 AV	54.00	-11.52	1.00 V	137	25.98	16.50
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.

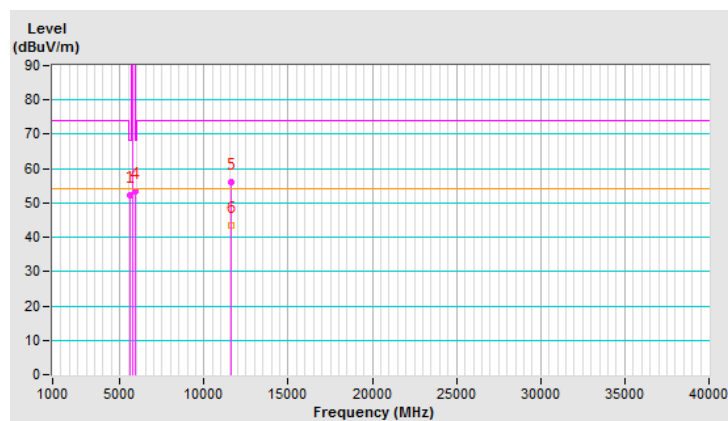


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5638.53	52.20 PK	68.20	-16.00	3.91 H	124	48.43	3.77
2	*5785.00	103.65 PK			3.91 H	124	98.90	4.75
3	*5785.00	93.34 AV			3.91 H	124	88.59	4.75
4	#5950.46	53.53 PK	68.20	-14.67	3.91 H	124	48.31	5.22
5	11570.00	56.09 PK	74.00	-17.91	2.22 H	191	39.48	16.61
6	11570.00	43.36 AV	54.00	-10.64	2.22 H	191	26.75	16.61
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.

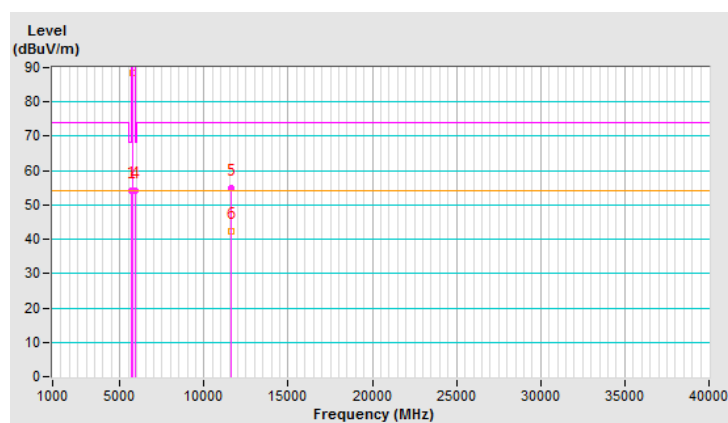


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5648.15	54.05 PK	68.20	-14.15	1.69 V	199	50.25	3.80
2	*5785.00	98.67 PK			1.69 V	199	93.92	4.75
3	*5785.00	88.54 AV			1.69 V	199	83.79	4.75
4	#5939.42	54.17 PK	68.20	-14.03	1.69 V	199	48.98	5.19
5	11570.00	54.93 PK	74.00	-19.07	1.02 V	155	38.32	16.61
6	11570.00	42.42 AV	54.00	-11.58	1.02 V	155	25.81	16.61
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.

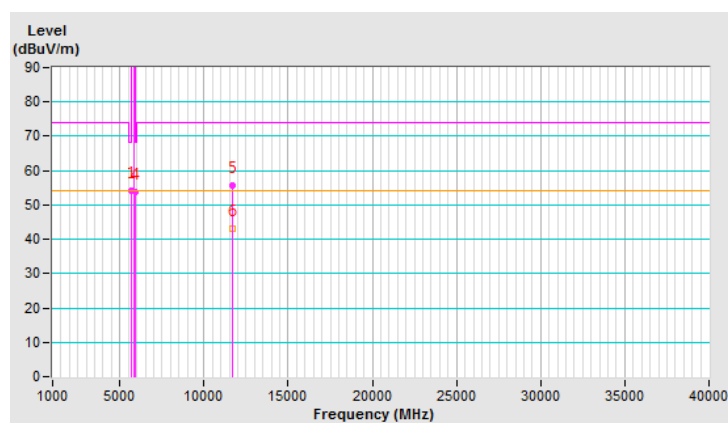


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5642.01	54.17 PK	68.20	-14.03	3.87 H	74	50.39	3.78
2	*5825.00	102.58 PK			3.87 H	74	97.61	4.97
3	*5825.00	92.57 AV			3.87 H	74	87.60	4.97
4	#5945.57	53.80 PK	68.20	-14.40	3.87 H	74	48.59	5.21
5	11650.00	55.67 PK	74.00	-18.33	2.22 H	182	39.31	16.36
6	11650.00	43.02 AV	54.00	-10.98	2.22 H	182	26.66	16.36
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.

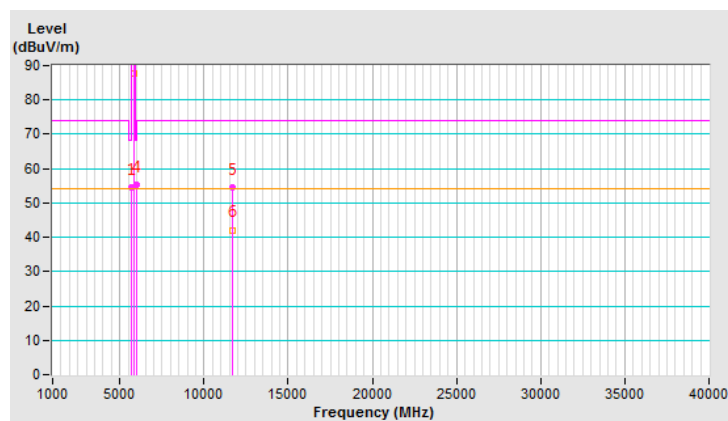


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	77%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5642.01	54.52 PK	68.20	-13.68	1.82 V	200	50.74	3.78
2	*5825.00	97.85 PK			1.82 V	200	92.88	4.97
3	*5825.00	87.75 AV			1.82 V	200	82.78	4.97
4	#5968.95	55.21 PK	68.20	-12.99	1.82 V	200	49.89	5.32
5	11650.00	54.57 PK	74.00	-19.43	1.00 V	143	38.21	16.36
6	11650.00	42.12 AV	54.00	-11.88	1.00 V	143	25.76	16.36
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.



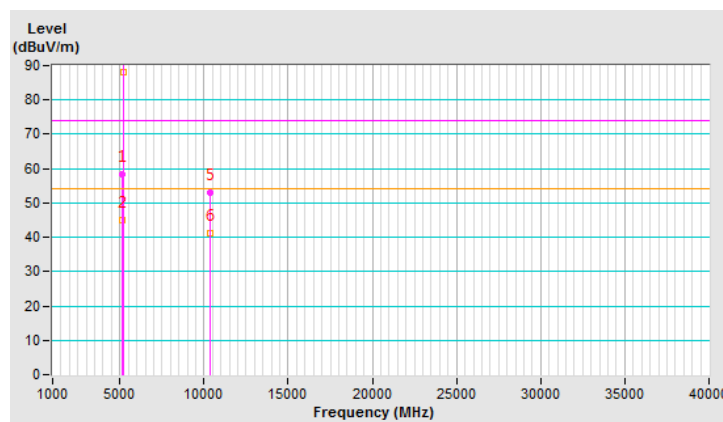
802.11n (HT40)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38 : 5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	58.32 PK	74.00	-15.68	1.01 H	169	54.66	3.66
2	5150.00	45.05 AV	54.00	-8.95	1.01 H	169	41.39	3.66
3	*5190.00	97.15 PK			1.01 H	169	93.86	3.29
4	*5190.00	88.19 AV			1.01 H	169	84.90	3.29
5	#10380.00	53.08 PK	74.00	-20.92	1.72 H	18	38.27	14.81
6	#10380.00	41.24 AV	54.00	-12.76	1.72 H	18	26.43	14.81
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.

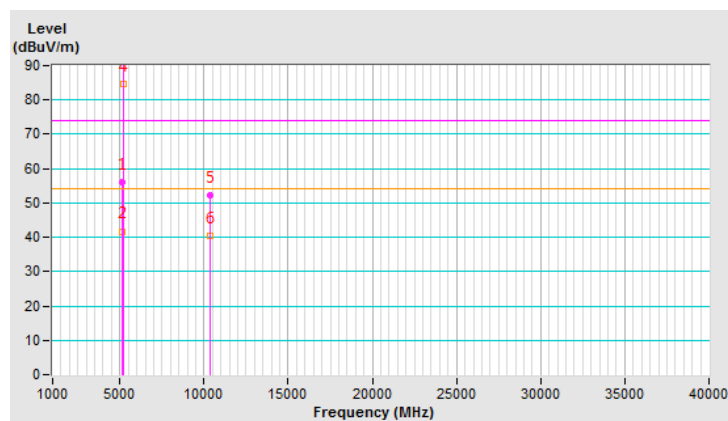


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	56.10 PK	74.00	-17.90	3.62 V	131	52.44	3.66
2	5150.00	41.72 AV	54.00	-12.28	3.62 V	131	38.06	3.66
3	*5190.00	93.85 PK			3.62 V	131	90.56	3.29
4	*5190.00	84.48 AV			3.62 V	131	81.19	3.29
5	#10380.00	52.33 PK	74.00	-21.67	1.13 V	246	37.52	14.81
6	#10380.00	40.30 AV	54.00	-13.70	1.13 V	246	25.49	14.81
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.

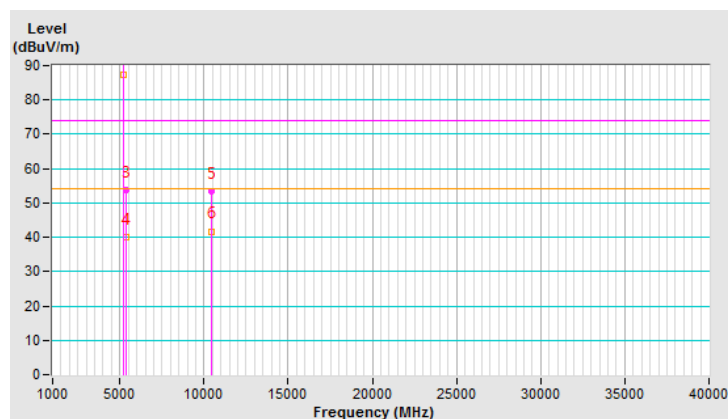


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5230.00	96.29 PK			1.00 H	169	93.25	3.04
2	*5230.00	87.22 AV			1.00 H	169	84.18	3.04
3	5350.00	53.64 PK	74.00	-20.36	1.00 H	169	50.72	2.92
4	5350.00	40.07 AV	54.00	-13.93	1.00 H	169	37.15	2.92
5	#10460.00	53.49 PK	74.00	-20.51	1.82 H	27	38.11	15.38
6	#10460.00	41.75 AV	54.00	-12.25	1.82 H	27	26.37	15.38
7	15690.00	-	-	-	-	-	-	-
8	20920.00	-	-	-	-	-	-	-
9	#26150.00	-	-	-	-	-	-	-
10	31380.00	-	-	-	-	-	-	-
11	#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.

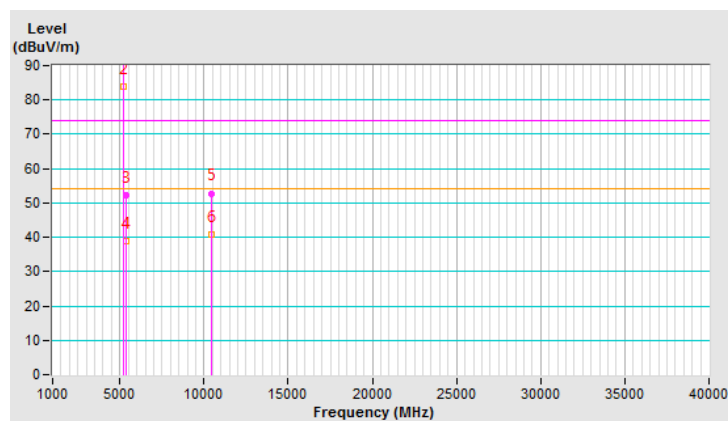


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5230.00	93.17 PK			3.66 V	142	90.13	3.04
2	*5230.00	83.76 AV			3.66 V	142	80.72	3.04
3	5350.00	52.10 PK	74.00	-21.90	3.66 V	142	49.18	2.92
4	5350.00	38.74 AV	54.00	-15.26	3.66 V	142	35.82	2.92
5	#10460.00	52.79 PK	74.00	-21.21	1.21 V	241	37.41	15.38
6	#10460.00	40.80 AV	54.00	-13.20	1.21 V	241	25.42	15.38
7	15690.00	-	-	-	-	-	-	-
8	20920.00	-	-	-	-	-	-	-
9	#26150.00	-	-	-	-	-	-	-
10	31380.00	-	-	-	-	-	-	-
11	#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.

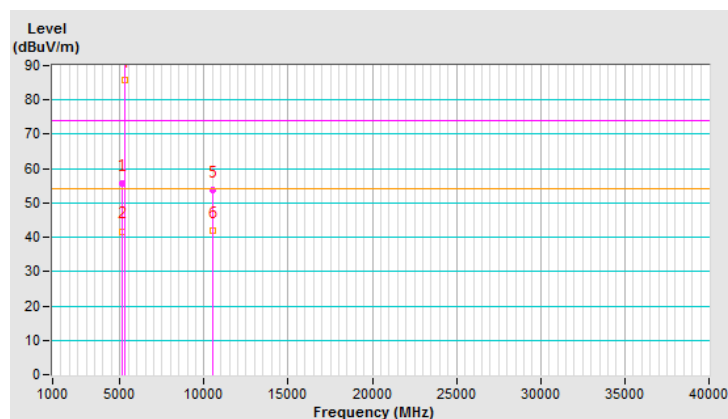


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 54：5270 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	55.58 PK	74.00	-18.42	1.42 H	171	51.92	3.66
2	5150.00	41.75 AV	54.00	-12.25	1.42 H	171	38.09	3.66
3	*5270.00	95.11 PK			1.42 H	171	92.23	2.88
4	*5270.00	85.75 AV			1.42 H	171	82.87	2.88
5	#10540.00	53.65 PK	74.00	-20.35	1.89 H	22	38.03	15.62
6	#10540.00	41.80 AV	54.00	-12.20	1.89 H	22	26.18	15.62
7	15810.00	-	-	-	-	-	-	-
8	21080.00	-	-	-	-	-	-	-
9	#26350.00	-	-	-	-	-	-	-
10	31620.00	-	-	-	-	-	-	-
11	#36890.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

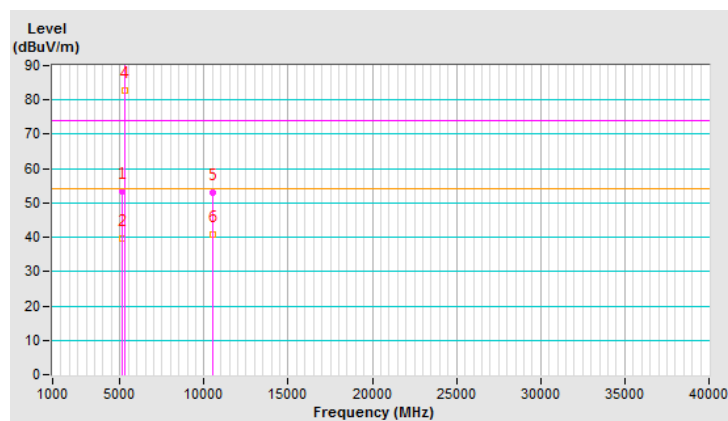


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 54：5270 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	53.47 PK	74.00	-20.53	3.81 V	130	49.81	3.66
2	5150.00	39.77 AV	54.00	-14.23	3.81 V	130	36.11	3.66
3	*5270.00	92.01 PK			3.81 V	130	89.13	2.88
4	*5270.00	82.70 AV			3.81 V	130	79.82	2.88
5	#10540.00	52.83 PK	74.00	-21.17	1.22 V	241	37.21	15.62
6	#10540.00	40.79 AV	54.00	-13.21	1.22 V	241	25.17	15.62
7	15810.00	-	-	-	-	-	-	-
8	21080.00	-	-	-	-	-	-	-
9	#26350.00	-	-	-	-	-	-	-
10	31620.00	-	-	-	-	-	-	-
11	#36890.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

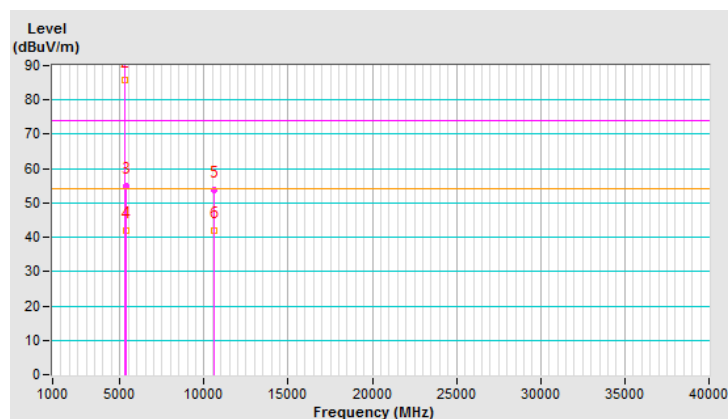


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 62：5310 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5310.00	95.70 PK			3.83 H	126	92.90	2.80
2	*5310.00	85.63 AV			3.83 H	126	82.83	2.80
3	5350.00	54.95 PK	74.00	-19.05	3.83 H	126	52.03	2.92
4	5350.00	41.79 AV	54.00	-12.21	3.83 H	126	38.87	2.92
5	10620.00	53.62 PK	74.00	-20.38	1.62 H	31	38.10	15.52
6	10620.00	41.79 AV	54.00	-12.21	1.62 H	31	26.27	15.52
7	15930.00	-	-	-	-	-	-	-
8	21240.00	-	-	-	-	-	-	-
9	#26550.00	-	-	-	-	-	-	-
10	#31860.00	-	-	-	-	-	-	-
11	#37170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

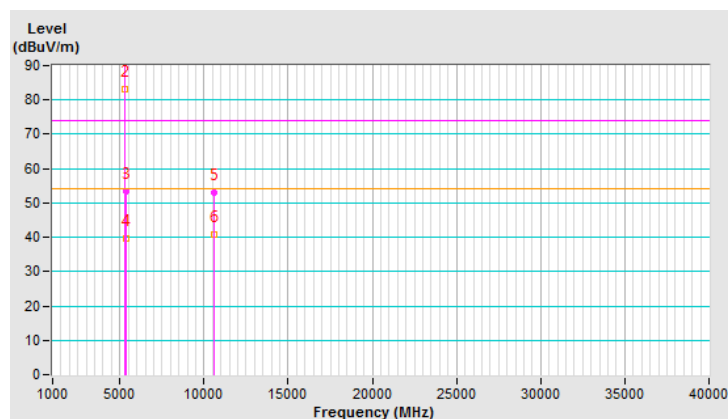


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 62：5310 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5310.00	92.51 PK			1.77 V	251	89.71	2.80
2	*5310.00	83.09 AV			1.77 V	251	80.29	2.80
3	5350.00	53.35 PK	74.00	-20.65	1.77 V	251	50.43	2.92
4	5350.00	39.80 AV	54.00	-14.20	1.77 V	251	36.88	2.92
5	10620.00	52.91 PK	74.00	-21.09	1.30 V	224	37.39	15.52
6	10620.00	40.79 AV	54.00	-13.21	1.30 V	224	25.27	15.52
7	15930.00	-	-	-	-	-	-	-
8	21240.00	-	-	-	-	-	-	-
9	#26550.00	-	-	-	-	-	-	-
10	#31860.00	-	-	-	-	-	-	-
11	#37170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

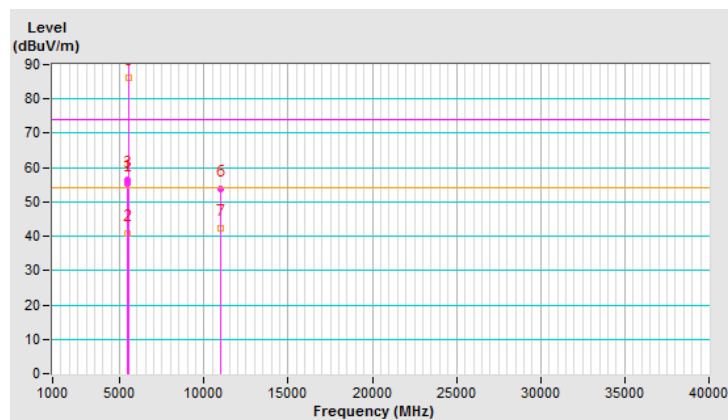


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 102：5510 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	5460.00	55.25 PK	74.00	-18.75	2.55 H	54	51.99	3.26
2	5460.00	40.86 AV	54.00	-13.14	2.55 H	54	37.60	3.26
3	#5470.00	56.57 PK	68.20	-11.63	2.55 H	54	53.31	3.26
4	*5510.00	95.41 PK			2.55 H	54	92.14	3.27
5	*5510.00	86.05 AV			2.55 H	54	82.78	3.27
6	11020.00	53.59 PK	74.00	-20.41	1.82 H	63	37.59	16.00
7	11020.00	42.27 AV	54.00	-11.73	1.82 H	63	26.27	16.00
8	#16530.00	-	-	-	-	-	-	-
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

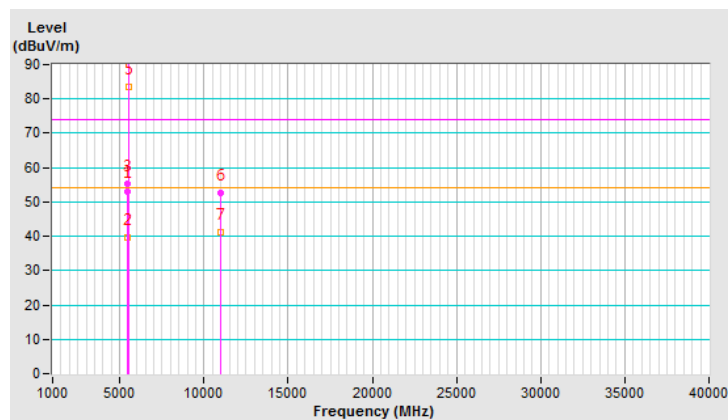


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 102：5510 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	5460.00	53.17 PK	74.00	-20.83	3.05 V	128	49.91	3.26
2	5460.00	39.70 AV	54.00	-14.30	3.05 V	128	36.44	3.26
3	#5470.00	55.44 PK	68.20	-12.76	3.05 V	128	52.18	3.26
4	*5510.00	92.75 PK			3.05 V	128	89.48	3.27
5	*5510.00	83.44 AV			3.05 V	128	80.17	3.27
6	11020.00	52.44 PK	74.00	-21.56	1.00 V	184	36.44	16.00
7	11020.00	41.29 AV	54.00	-12.71	1.00 V	184	25.29	16.00
8	#16530.00	-	-	-	-	-	-	-
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

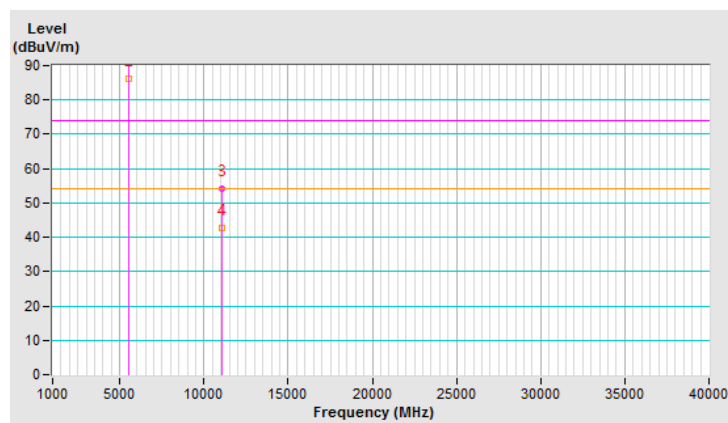


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 110：5550 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5550.00	96.18 PK			1.21 H	55	92.74	3.44
2	*5550.00	86.29 AV			1.21 H	55	82.85	3.44
3	11100.00	54.16 PK	74.00	-19.84	1.28 H	78	37.72	16.44
4	11100.00	42.84 AV	54.00	-11.16	1.28 H	78	26.40	16.44
5	#16650.00	-	-	-	-	-	-	-
6	22200.00	-	-	-	-	-	-	-
7	#27750.00	-	-	-	-	-	-	-
8	#33300.00	-	-	-	-	-	-	-
9	38850.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

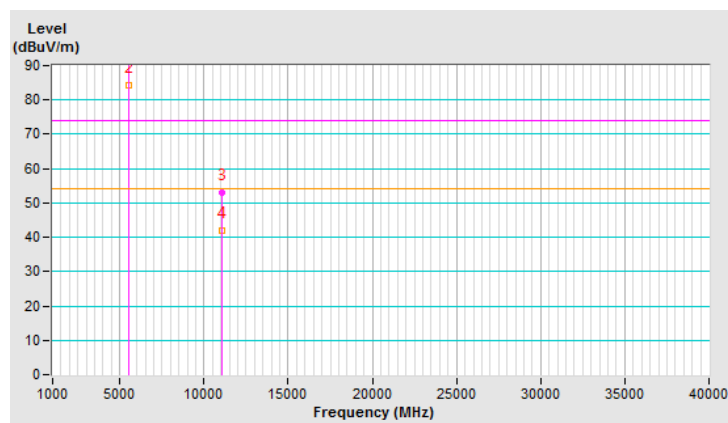


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 110：5550 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5550.00	93.35 PK			3.37 V	101	89.91	3.44
2	*5550.00	84.10 AV			3.37 V	101	80.66	3.44
3	11100.00	53.03 PK	74.00	-20.97	1.17 V	146	36.59	16.44
4	11100.00	41.81 AV	54.00	-12.19	1.17 V	146	25.37	16.44
5	#16650.00	-	-	-	-	-	-	-
6	22200.00	-	-	-	-	-	-	-
7	#27750.00	-	-	-	-	-	-	-
8	#33300.00	-	-	-	-	-	-	-
9	38850.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

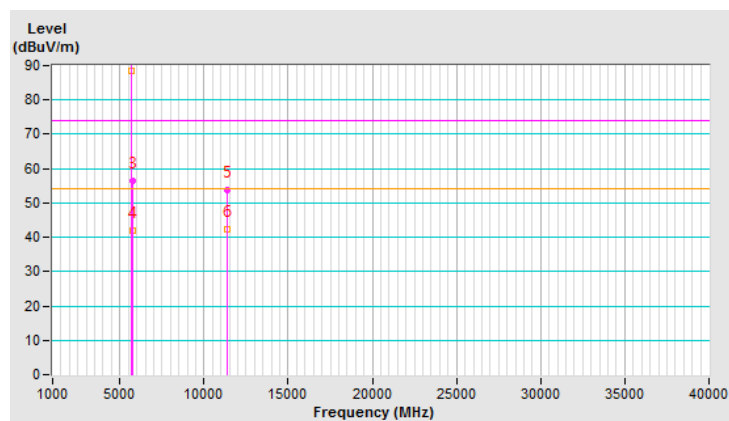


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 134：5670 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5670.00	98.31 PK			3.84 H	48	94.38	3.93
2	*5670.00	88.59 AV			3.84 H	48	84.66	3.93
3	#5725.00	56.27 PK	74.00	-17.73	3.84 H	48	51.97	4.30
4	#5725.00	42.09 AV	54.00	-11.91	3.84 H	48	37.79	4.30
5	11340.00	53.80 PK	74.00	-20.20	1.99 H	87	37.81	15.99
6	11340.00	42.42 AV	54.00	-11.58	1.99 H	87	26.43	15.99
7	#17010.00	-	-	-	-	-	-	-
8	22680.00	-	-	-	-	-	-	-
9	#28350.00	-	-	-	-	-	-	-
10	#34020.00	-	-	-	-	-	-	-
11	39690.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

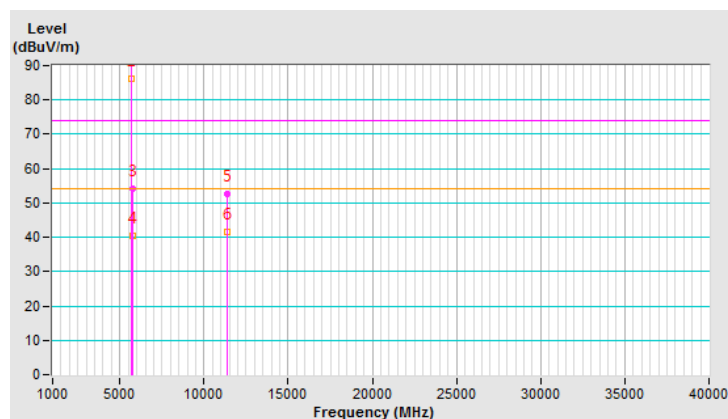


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 134：5670 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5670.00	95.35 PK			1.55 V	203	91.42	3.93
2	*5670.00	86.15 AV			1.55 V	203	82.22	3.93
3	#5725.00	54.06 PK	74.00	-19.94	1.55 V	203	49.76	4.30
4	#5725.00	40.48 AV	54.00	-13.52	1.55 V	203	36.18	4.30
5	11340.00	52.58 PK	74.00	-21.42	1.08 V	243	36.59	15.99
6	11340.00	41.45 AV	54.00	-12.55	1.08 V	243	25.46	15.99
7	#17010.00	-	-	-	-	-	-	-
8	22680.00	-	-	-	-	-	-	-
9	#28350.00	-	-	-	-	-	-	-
10	#34020.00	-	-	-	-	-	-	-
11	39690.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

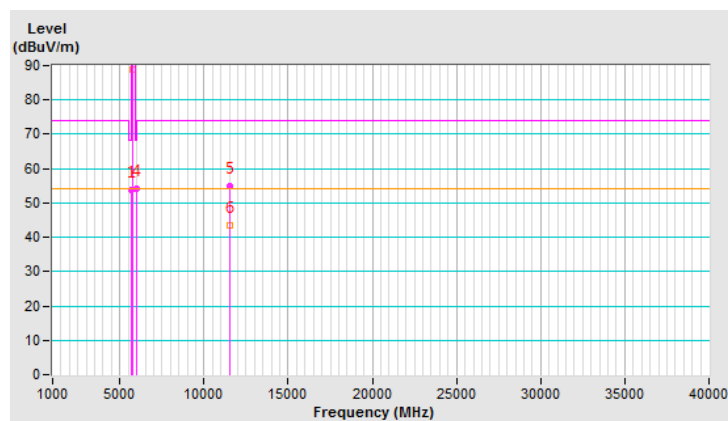


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5643.02	53.65 PK	68.20	-14.55	1.01 H	39	49.87	3.78
2	*5755.00	98.41 PK			1.01 H	39	93.89	4.52
3	*5755.00	88.77 AV			1.01 H	39	84.25	4.52
4	#5953.64	54.11 PK	68.20	-14.09	1.01 H	39	48.86	5.25
5	11510.00	54.96 PK	74.00	-19.04	1.86 H	77	38.42	16.54
6	11510.00	43.42 AV	54.00	-10.58	1.86 H	77	26.88	16.54
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.

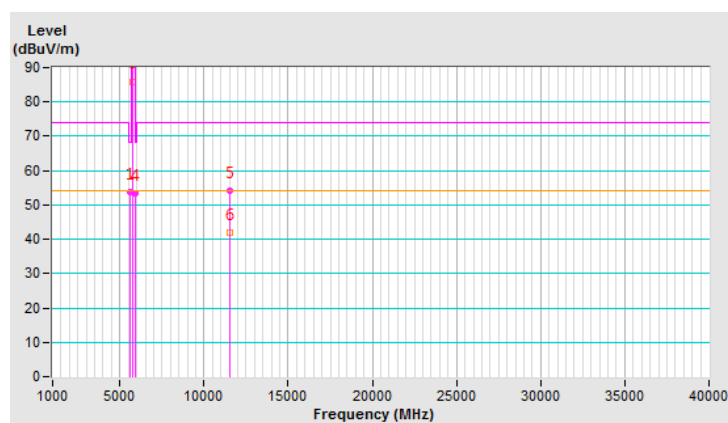


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5638.11	53.72 PK	68.20	-14.48	3.21 V	149	49.95	3.77
2	*5755.00	94.85 PK			3.21 V	149	90.33	4.52
3	*5755.00	85.98 AV			3.21 V	149	81.46	4.52
4	#5945.14	53.53 PK	68.20	-14.67	3.21 V	149	48.32	5.21
5	11510.00	54.12 PK	74.00	-19.88	1.07 V	146	37.58	16.54
6	11510.00	41.97 AV	54.00	-12.03	1.07 V	146	25.43	16.54
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.

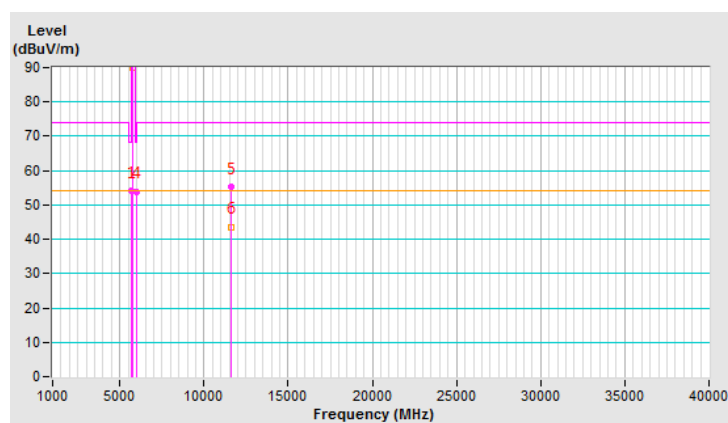


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5650.17	54.17 PK	68.33	-14.16	3.84 H	57	50.35	3.82
2	*5795.00	100.05 PK			3.84 H	57	95.23	4.82
3	*5795.00	89.93 AV			3.84 H	57	85.11	4.82
4	#5975.12	53.96 PK	68.20	-14.24	3.84 H	57	48.60	5.36
5	11590.00	55.21 PK	74.00	-18.79	1.88 H	82	38.59	16.62
6	11590.00	43.64 AV	54.00	-10.36	1.88 H	82	27.02	16.62
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.

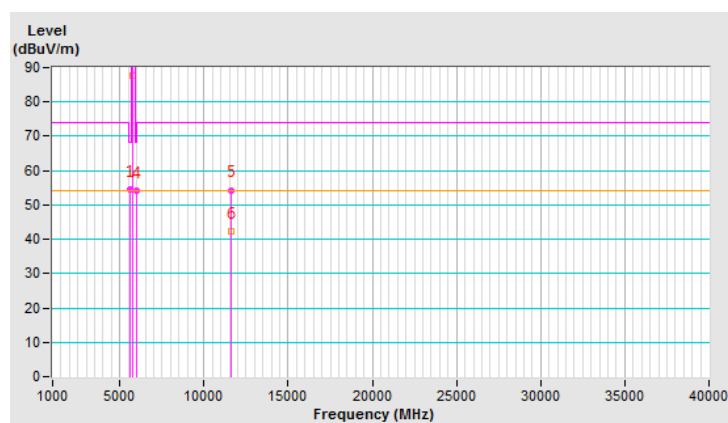


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5621.38	54.42 PK	68.20	-13.78	3.38 V	157	50.72	3.70
2	*5795.00	97.69 PK			3.38 V	157	92.87	4.82
3	*5795.00	87.84 AV			3.38 V	157	83.02	4.82
4	#5982.89	54.09 PK	68.20	-14.11	3.38 V	157	48.70	5.39
5	11590.00	54.34 PK	74.00	-19.66	1.00 V	163	37.72	16.62
6	11590.00	42.21 AV	54.00	-11.79	1.00 V	163	25.59	16.62
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.



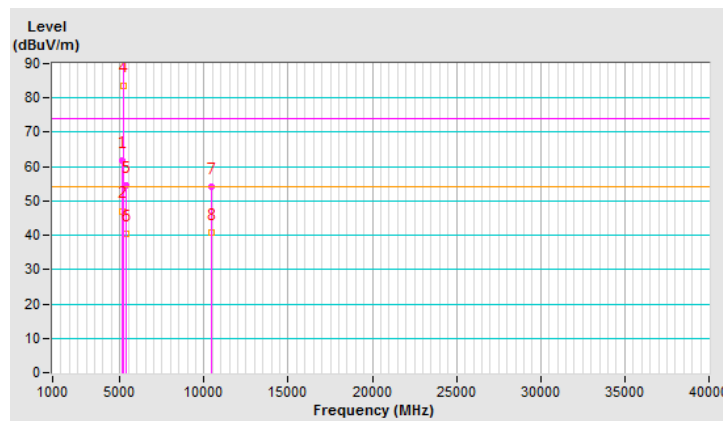
802.11ac (VHT80)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	61.64 PK	74.00	-12.36	1.01 H	170	57.98	3.66
2	5150.00	47.06 AV	54.00	-6.94	1.01 H	170	43.40	3.66
3	*5210.00	93.77 PK			1.01 H	170	90.63	3.14
4	*5210.00	83.70 AV			1.01 H	170	80.56	3.14
5	5350.00	54.56 PK	74.00	-19.44	1.01 H	170	51.64	2.92
6	5350.00	40.55 AV	54.00	-13.45	1.01 H	170	37.63	2.92
7	#10420.00	54.23 PK	74.00	-19.77	1.41 H	203	39.14	15.09
8	#10420.00	40.66 AV	54.00	-13.34	1.41 H	203	25.57	15.09
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.

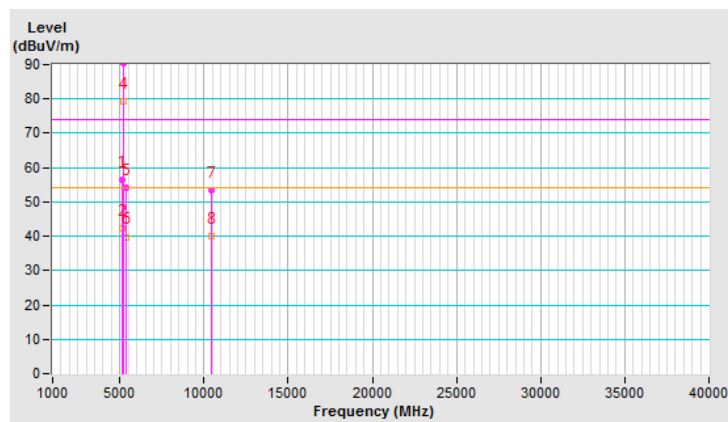


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	56.27 PK	74.00	-17.73	3.83 V	127	52.61	3.66
2	5150.00	42.16 AV	54.00	-11.84	3.83 V	127	38.50	3.66
3	*5210.00	90.29 PK			3.83 V	127	87.15	3.14
4	*5210.00	79.26 AV			3.83 V	127	76.12	3.14
5	5350.00	54.20 PK	74.00	-19.80	3.83 V	127	51.28	2.92
6	5350.00	39.81 AV	54.00	-14.19	3.83 V	127	36.89	2.92
7	#10420.00	53.52 PK	74.00	-20.48	1.93 V	46	38.43	15.09
8	#10420.00	40.10 AV	54.00	-13.90	1.93 V	46	25.01	15.09
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.

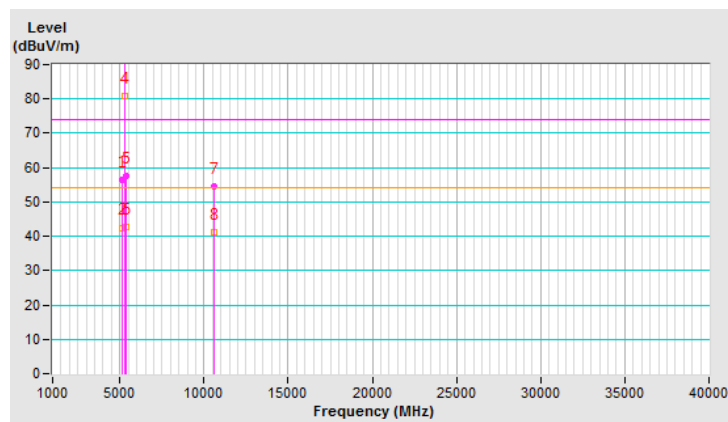


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 58：5290 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	56.28 PK	74.00	-17.72	1.01 H	166	52.62	3.66
2	5150.00	42.51 AV	54.00	-11.49	1.01 H	166	38.85	3.66
3	*5290.00	91.60 PK			1.01 H	166	88.80	2.80
4	*5290.00	80.78 AV			1.01 H	166	77.98	2.80
5	5350.00	57.56 PK	74.00	-16.44	1.01 H	166	54.64	2.92
6	5350.00	42.57 AV	54.00	-11.43	1.01 H	166	39.65	2.92
7	#10580.00	54.53 PK	74.00	-19.47	1.52 H	195	38.95	15.58
8	#10580.00	41.03 AV	54.00	-12.97	1.52 H	195	25.45	15.58
9	15870.00	-	-	-	-	-	-	-
10	21160.00	-	-	-	-	-	-	-
11	#26450.00	-	-	-	-	-	-	-
12	31740.00	-	-	-	-	-	-	-
13	#37030.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

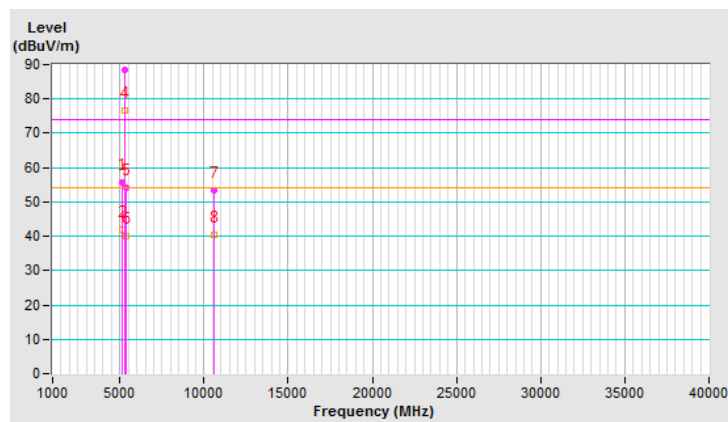


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 58：5290 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	55.61 PK	74.00	-18.39	3.97 V	177	51.95	3.66
2	5150.00	41.77 AV	54.00	-12.23	3.97 V	177	38.11	3.66
3	*5290.00	88.53 PK			3.97 V	177	85.73	2.80
4	*5290.00	76.58 AV			3.97 V	177	73.78	2.80
5	5350.00	54.22 PK	74.00	-19.78	3.97 V	177	51.30	2.92
6	5350.00	40.14 AV	54.00	-13.86	3.97 V	177	37.22	2.92
7	#10580.00	53.44 PK	74.00	-20.56	1.02 V	334	37.86	15.58
8	#10580.00	40.47 AV	54.00	-13.53	1.02 V	334	24.89	15.58
9	15870.00	-	-	-	-	-	-	-
10	21160.00	-	-	-	-	-	-	-
11	#26450.00	-	-	-	-	-	-	-
12	31740.00	-	-	-	-	-	-	-
13	#37030.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

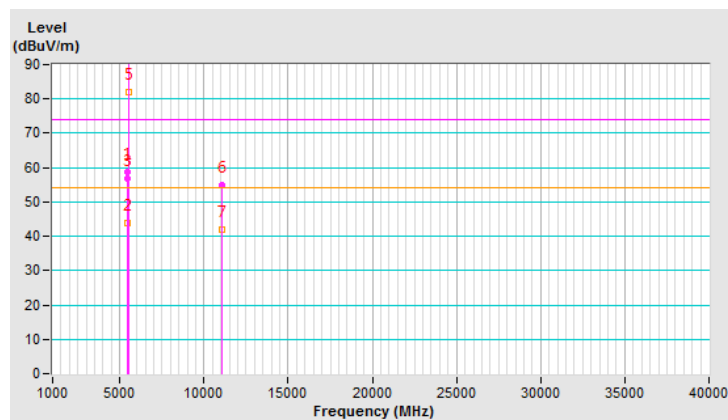


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 106：5530 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	5460.00	58.55 PK	74.00	-15.45	3.84 H	45	55.29	3.26
2	5460.00	44.00 AV	54.00	-10.00	3.84 H	45	40.74	3.26
3	#5470.00	56.96 PK	68.20	-11.24	3.84 H	45	53.70	3.26
4	*5530.00	92.28 PK			3.84 H	45	88.92	3.36
5	*5530.00	82.13 AV			3.84 H	45	78.77	3.36
6	11060.00	54.78 PK	74.00	-19.22	1.72 H	82	38.57	16.21
7	11060.00	41.97 AV	54.00	-12.03	1.72 H	82	25.76	16.21
8	#16590.00	-	-	-	-	-	-	-
9	22120.00	-	-	-	-	-	-	-
10	#27650.00	-	-	-	-	-	-	-
11	#33180.00	-	-	-	-	-	-	-
12	38710.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

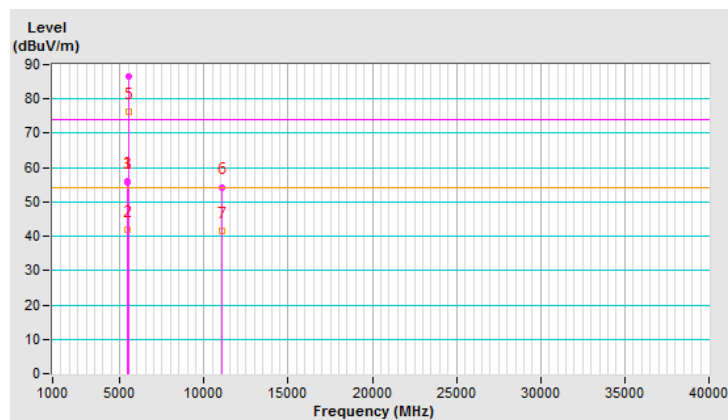


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 106：5530 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	5460.00	55.84 PK	74.00	-18.16	3.72 V	221	52.58	3.26
2	5460.00	41.80 AV	54.00	-12.20	3.72 V	221	38.54	3.26
3	#5470.00	56.00 PK	68.20	-12.20	3.72 V	221	52.74	3.26
4	*5530.00	86.65 PK			3.72 V	221	83.29	3.36
5	*5530.00	76.39 AV			3.72 V	221	73.03	3.36
6	11060.00	54.33 PK	74.00	-19.67	2.59 V	113	38.12	16.21
7	11060.00	41.50 AV	54.00	-12.50	2.59 V	113	25.29	16.21
8	#16590.00	-	-	-	-	-	-	-
9	22120.00	-	-	-	-	-	-	-
10	#27650.00	-	-	-	-	-	-	-
11	#33180.00	-	-	-	-	-	-	-
12	38710.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

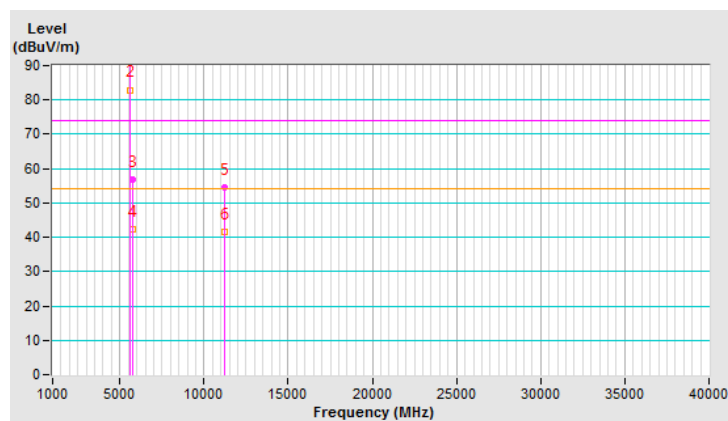


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 122：5610 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5610.00	94.08 PK			3.43 H	45	90.41	3.67
2	*5610.00	82.91 AV			3.43 H	45	79.24	3.67
3	#5725.00	56.63 PK	74.00	-17.37	3.43 H	45	52.33	4.30
4	#5725.00	42.29 AV	54.00	-11.71	3.43 H	45	37.99	4.30
5	11220.00	54.61 PK	74.00	-19.39	1.43 H	281	38.51	16.10
6	11220.00	41.53 AV	54.00	-12.47	1.43 H	281	25.43	16.10
7	#16830.00	-	-	-	-	-	-	-
8	22440.00	-	-	-	-	-	-	-
9	#28050.00	-	-	-	-	-	-	-
10	#33660.00	-	-	-	-	-	-	-
11	39270.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

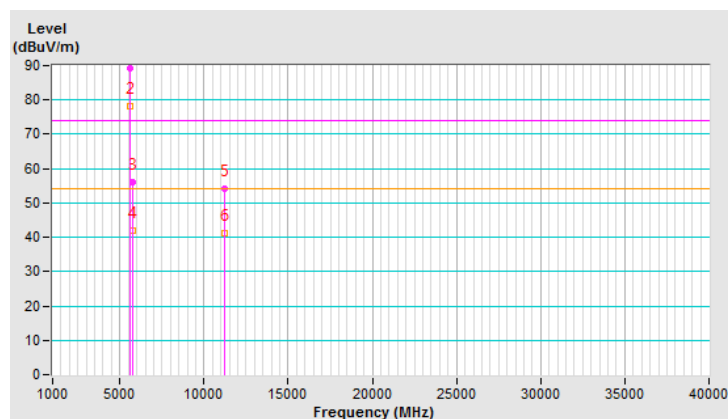


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 122：5610 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	*5610.00	89.24 PK			2.55 V	101	85.57	3.67
2	*5610.00	78.13 AV			2.55 V	101	74.46	3.67
3	#5725.00	55.95 PK	74.00	-18.05	2.25 V	101	51.65	4.30
4	#5725.00	41.99 AV	54.00	-12.01	2.25 V	101	37.69	4.30
5	11220.00	54.05 PK	74.00	-19.95	1.02 V	113	37.95	16.10
6	11220.00	41.31 AV	54.00	-12.69	1.02 V	113	25.21	16.10
7	#16830.00	-	-	-	-	-	-	-
8	22440.00	-	-	-	-	-	-	-
9	#28050.00	-	-	-	-	-	-	-
10	#33660.00	-	-	-	-	-	-	-
11	39270.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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.

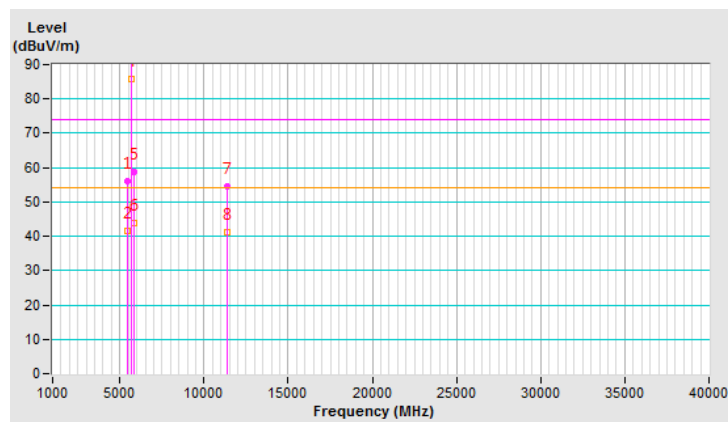


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 138：5690 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 17 日	測試者：	魏郡岐

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	#5470.00	56.19 PK	74.00	-17.81	1.47 H	134	52.93	3.26
2	#5470.00	41.67 AV	54.00	-12.33	1.47 H	134	38.41	3.26
3	*5690.00	97.22 PK			1.47 H	134	93.17	4.05
4	*5690.00	85.66 AV			1.47 H	134	81.61	4.05
5	#5850.00	58.80 PK	74.00	-15.20	1.47 H	134	53.73	5.07
6	#5850.00	43.89 AV	54.00	-10.11	1.47 H	134	38.82	5.07
7	11380.00	54.43 PK	74.00	-19.57	1.71 H	206	38.27	16.16
8	11380.00	41.29 AV	54.00	-12.71	1.71 H	206	25.13	16.16
9	#17070.00	-	-	-	-	-	-	-
10	22760.00	-	-	-	-	-	-	-
11	#28450.00	-	-	-	-	-	-	-
12	#34140.00	-	-	-	-	-	-	-
13	39830.00	-	-	-	-	-	-	-

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.

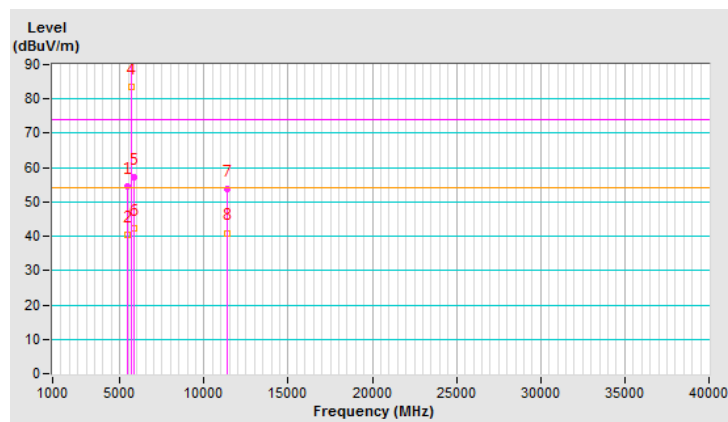


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 138：5690 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	25°C	量測場地濕度：	79%RH
測試日期：	107 年 5 月 17 日	測試者：	魏郡岐

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	#5470.00	54.35 PK	74.00	-19.65	3.72 V	130	51.09	3.26
2	#5470.00	40.42 AV	54.00	-13.58	3.72 V	130	37.16	3.26
3	*5690.00	94.92 PK			3.72 V	130	90.87	4.05
4	*5690.00	83.45 AV			3.72 V	130	79.40	4.05
5	#5850.00	57.15 PK	74.00	-16.85	3.72 V	130	52.08	5.07
6	#5850.00	42.41 AV	54.00	-11.59	3.72 V	130	37.34	5.07
7	11380.00	53.59 PK	74.00	-20.41	1.02 V	53	37.43	16.16
8	11380.00	40.97 AV	54.00	-13.03	1.02 V	53	24.81	16.16
9	#17070.00	-	-	-	-	-	-	-
10	22760.00	-	-	-	-	-	-	-
11	#28450.00	-	-	-	-	-	-	-
12	#34140.00	-	-	-	-	-	-	-
13	39830.00	-	-	-	-	-	-	-

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.

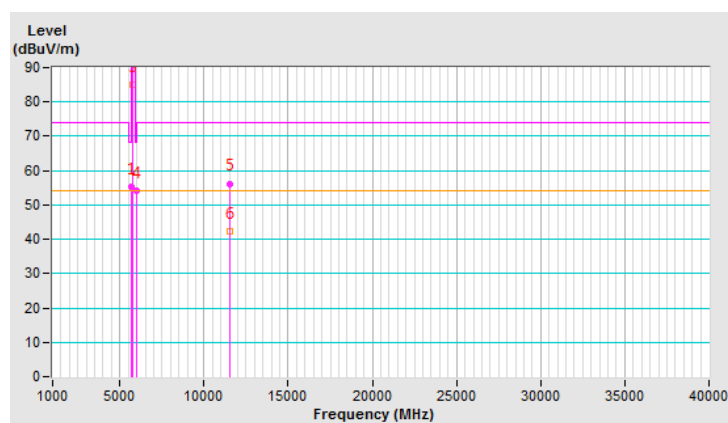


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5648.43	55.33 PK	68.20	-12.87	3.07 H	40	51.53	3.80
2	*5775.00	95.58 PK			3.07 H	40	90.90	4.68
3	*5775.00	84.91 AV			3.07 H	40	80.23	4.68
4	#5985.85	53.99 PK	68.20	-14.21	3.07 H	40	48.57	5.42
5	11550.00	56.22 PK	74.00	-17.78	1.14 H	243	39.64	16.58
6	11550.00	42.19 AV	54.00	-11.81	1.14 H	243	25.61	16.58
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.

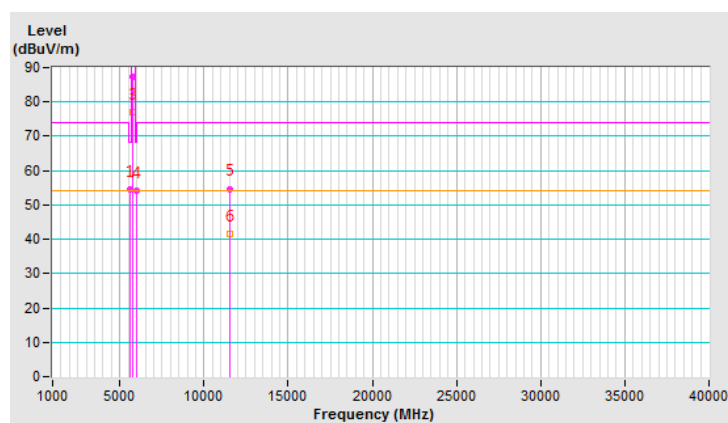


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	#5629.57	54.59 PK	68.20	-13.61	1.00 V	228	50.85	3.74
2	*5775.00	87.49 PK			1.00 V	228	82.81	4.68
3	*5775.00	77.12 AV			1.00 V	228	72.44	4.68
4	#5976.09	54.05 PK	68.20	-14.15	1.00 V	228	48.69	5.36
5	11550.00	54.71 PK	74.00	-19.29	3.25 V	88	38.13	16.58
6	11550.00	41.50 AV	54.00	-12.50	3.25 V	88	24.92	16.58
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.



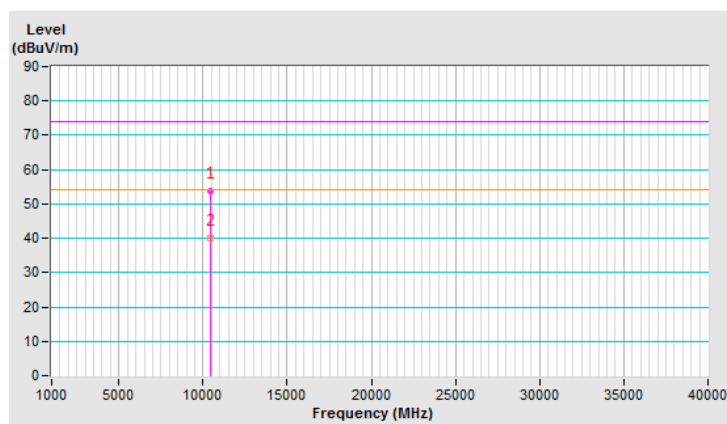
9.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	78%RH
測試日期：	107 年 5 月 15 日	測試者：	魏郡岐

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	10400.00	53.88 PK	74.00	-20.12	1.03 H	144	38.94	14.94
2	10400.00	40.11 AV	54.00	-13.89	1.03 H	144	25.17	14.94

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

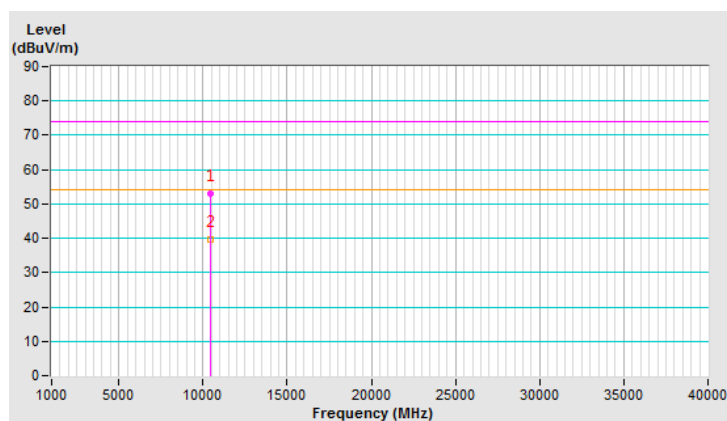


操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度 :	24°C	量測場地濕度 :	78%RH
測 試 日 期 :	107 年 5 月 15 日	測 試 者 :	魏郡岐

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	10400.00	53.07 PK	74.00	-20.93	1.88 V	213	38.13	14.94
2	10400.00	39.65 AV	54.00	-14.35	1.88 V	213	24.71	14.94

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



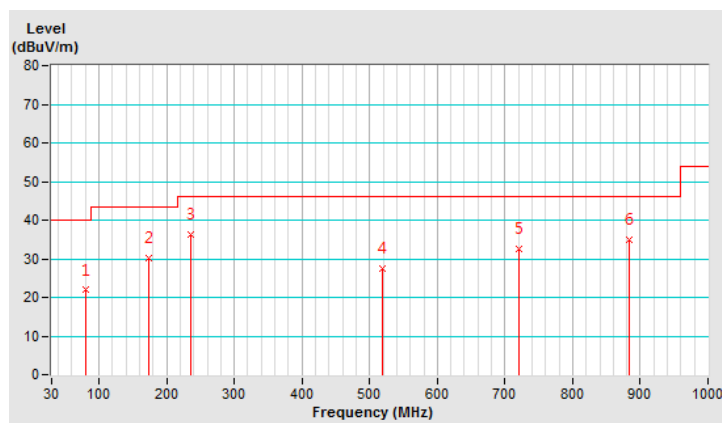
9.6.3 其它不必要之訊號

操作模式：	發射/接收	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	28°C	量測場地濕度：	76%RH
測試日期：	107 年 3 月 2 日	測試者：	魏郡岐

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	80.59	21.87 QP	40.00	-18.13	1.01 H	333	33.57	-11.70
2	173.51	30.28 QP	43.50	-13.22	1.45 H	104	37.69	-7.41
3	236.08	36.33 QP	46.00	-9.67	1.11 H	93	44.63	-8.30
4	519.03	27.59 QP	46.00	-18.41	1.82 H	315	28.18	-0.59
5	721.37	32.70 QP	46.00	-13.30	2.26 H	319	29.55	3.15
6	883.70	35.04 QP	46.00	-10.96	1.09 H	127	29.43	5.61

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.

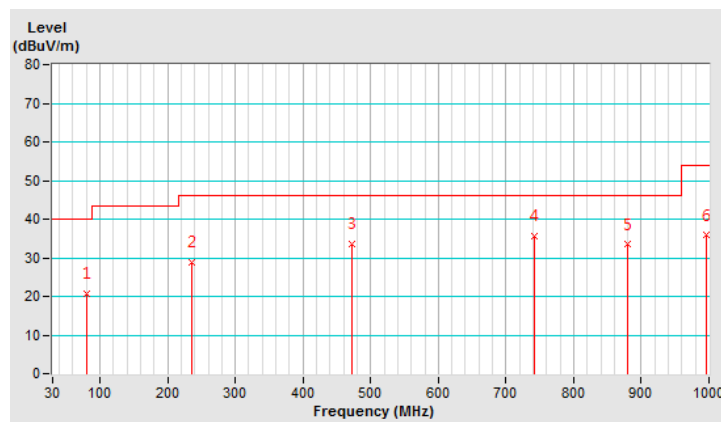


操作模式：	發射/接收	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	28°C	量測場地濕度：	76%RH
測試日期：	107 年 3 月 2 日	測試者：	魏郡岐

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	80.78	20.66 QP	40.00	-19.34	1.12 V	42	32.38	-11.72
2	236.08	28.88 QP	46.00	-17.12	1.82 V	206	37.18	-8.30
3	472.13	33.66 QP	46.00	-12.34	1.00 V	29	35.27	-1.61
4	742.56	35.70 QP	46.00	-10.30	2.95 V	359	32.01	3.69
5	880.01	33.44 QP	46.00	-12.56	2.24 V	84	28.00	5.44
6	996.75	35.77 QP	54.00	-18.23	1.13 V	39	28.26	7.51

REMARKS:

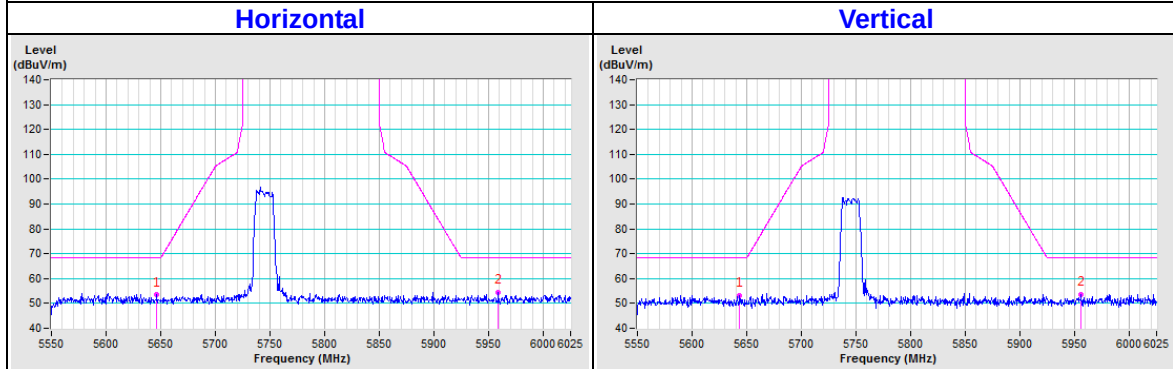
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit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



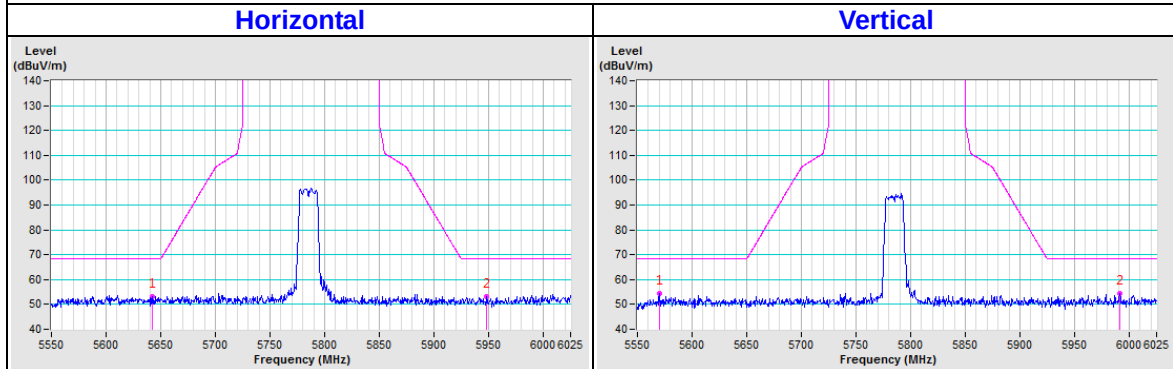
9.6.4 帶外發射之量測 (For 5.725 GHz~5.850 GHz band)

802.11a

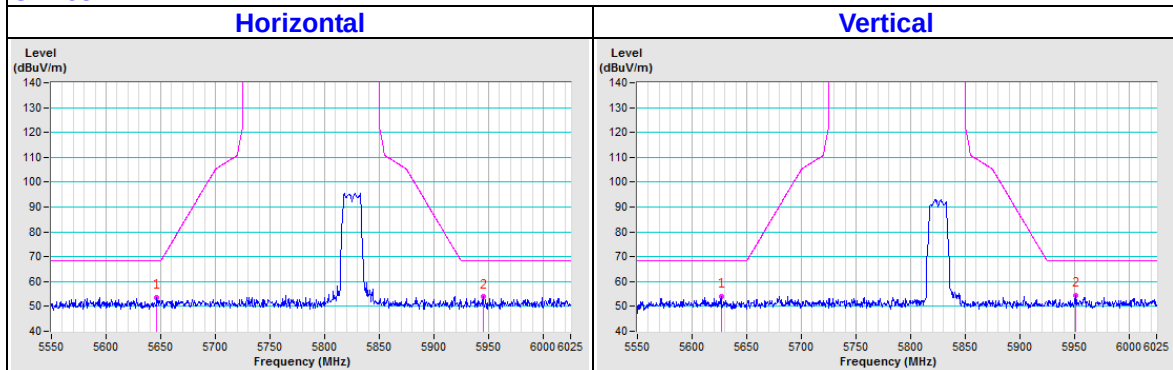
CH149



CH157



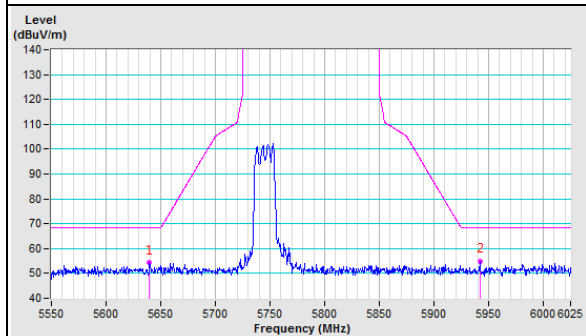
CH165



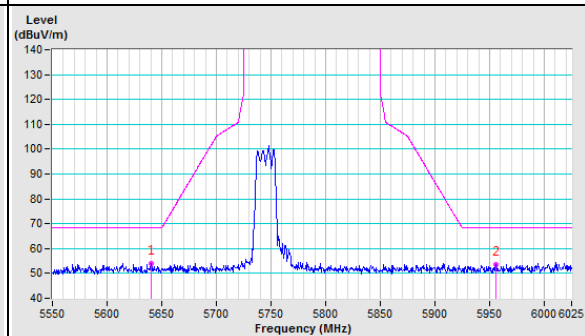
802.11n (HT20)

CH149

Horizontal

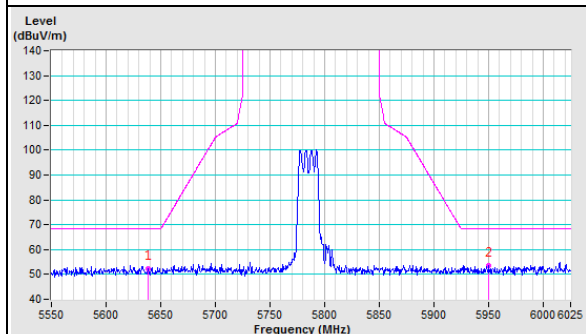


Vertical

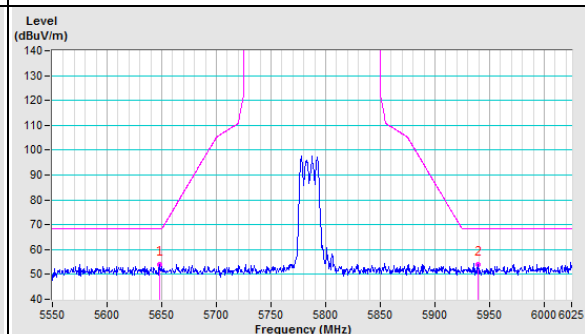


CH157

Horizontal

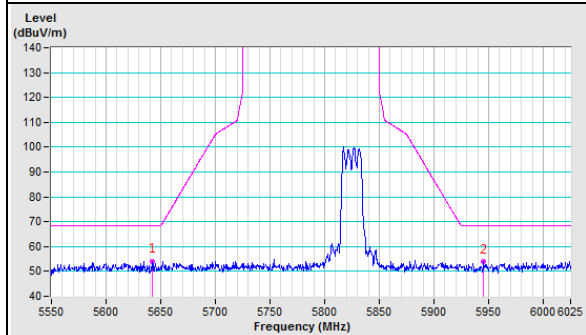


Vertical

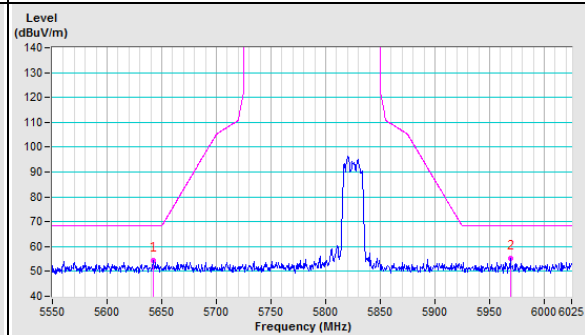


CH165

Horizontal

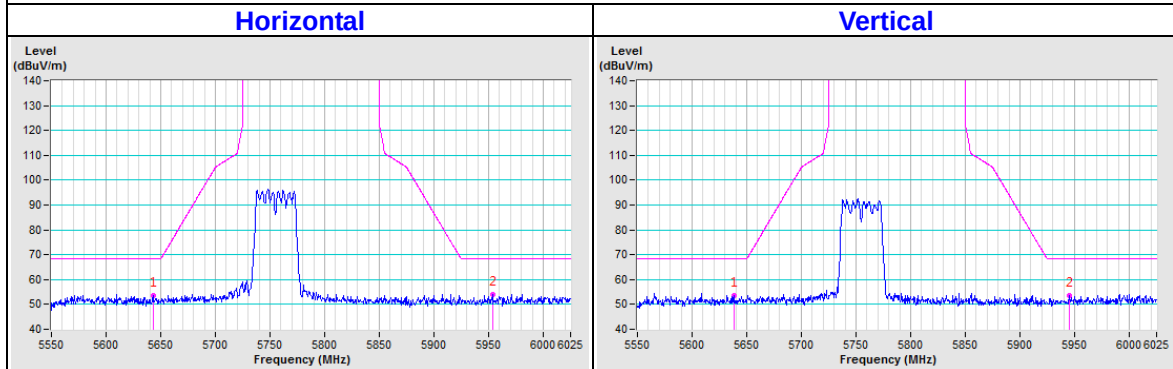


Vertical

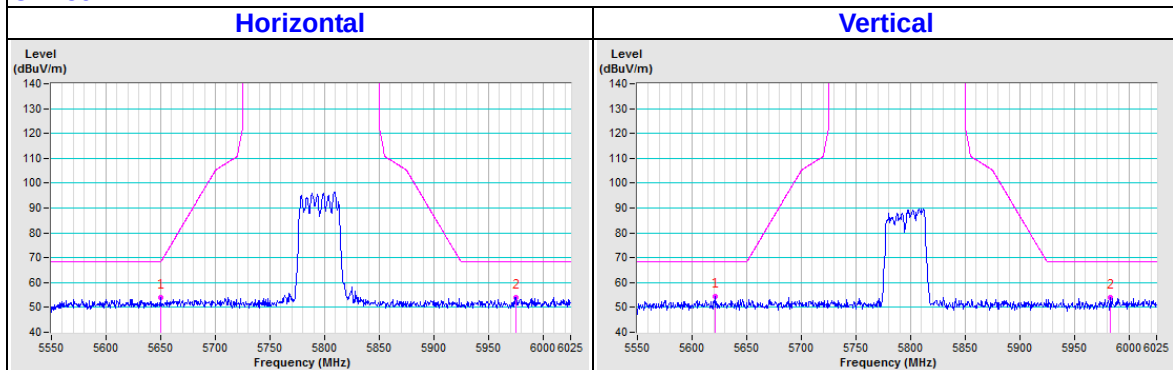


802.11n (HT40)

CH151

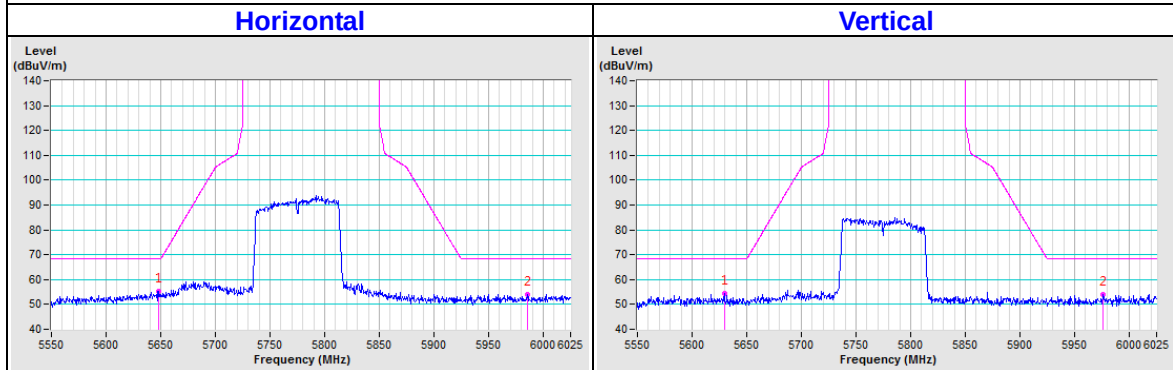


CH159



802.11ac (VHT80)

CH155



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

請參照 Test Setup Photos

10 電源線傳導干擾之量測

10.1 適用標準

請見本報告 3.1 節第 1 項的規定。

10.2 量測方法

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

10.3 量測儀器

同 5.3 節

10.4 測試配置

同 5.4 節

10.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

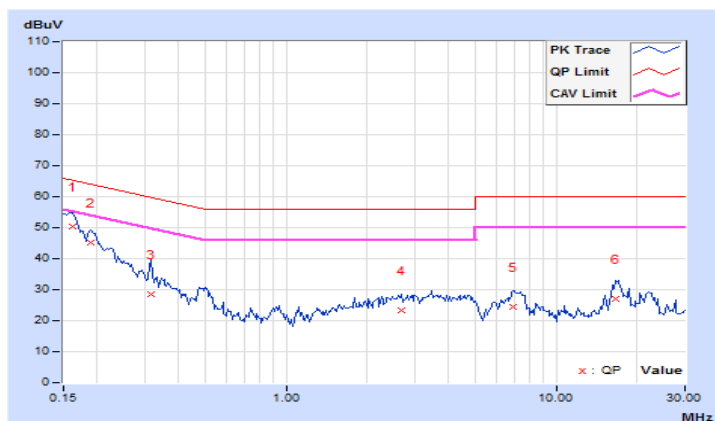
10.6 量測結果

操作模式	發射	測試日期	107 年 3 月 12 日
基本波頻率	CH 40 : 5200 MHz	量測場地溫度	20°C
調變技術	OFDM	量測場地濕度	71%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.
0.16172	9.57	40.90	24.45	50.47	34.02	65.38	55.38	-14.91	-21.36
0.18906	9.58	35.67	19.47	45.25	29.05	64.08	54.08	-18.83	-25.03
0.31797	9.58	19.11	6.41	28.69	15.99	59.76	49.76	-31.07	-33.77
2.67578	9.68	13.74	9.56	23.42	19.24	56.00	46.00	-32.58	-26.76
6.92969	9.78	14.60	10.25	24.38	20.03	60.00	50.00	-35.62	-29.97
16.57031	9.87	17.05	9.95	26.92	19.82	60.00	50.00	-33.08	-30.18

Remarks:

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

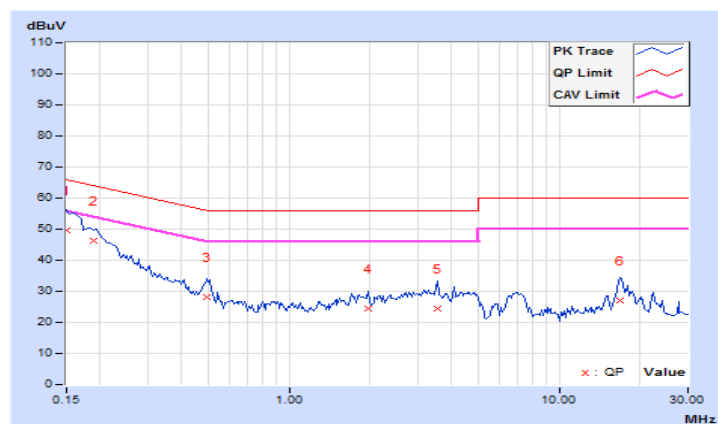


操作模式	發射	測試日期	107 年 3 月 12 日
基本波頻率	CH 40 : 5200 MHz	量測場地溫度	20°C
調變技術	OFDM	量測場地濕度	71%RH
測試者	張君煌		

		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.
0.15000	9.73	39.89	22.87	49.62	32.60	66.00	56.00	-16.38	-23.40
0.18906	9.74	36.45	21.13	46.19	30.87	64.08	54.08	-17.89	-23.21
0.49766	9.75	18.23	13.28	27.98	23.03	56.04	46.04	-28.06	-23.01
1.97266	9.83	14.58	10.24	24.41	20.07	56.00	46.00	-31.59	-25.93
3.53125	9.88	14.73	9.74	24.61	19.62	56.00	46.00	-31.39	-26.38
16.89844	10.09	16.97	10.17	27.06	20.26	60.00	50.00	-32.94	-29.74

Remarks:

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



10.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

10.8 配置照片

請參照 Test Setup Photos

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。

對於發射的頻道其中心頻率點低於 5.725GHz，但其發射頻寬跨越至 5725~5850 MHz 頻帶：

- 將待測物輸出接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 設定頻譜掃瞄寬為 26dB occupied bandwidth。
- 設置解析頻寬為 1MHz，視訊頻寬為 3 倍的解析頻寬。
- 設置測試掃瞄點數要大於 2 倍的(span/RBW)。
- 設置檢波器為 RMS。
- 設置掃瞄時間為 auto。
- 設置 Trigger 模式為 free run (當 Duty cycle 大於 98%)；設置 Trigger 模式為 Video trigger(當 Duty cycle 小於 98%)。
- 設置 Trace mode 為 average 至少 100 次。
- 待掃描結果穩定。
- 使用頻譜的內建 band power 功能,量測 26dB bandwidth 內最大功率值。

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	107 年 5 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	CHANNEL FREQUENCY (MHz)	MAXIMUM CONDUCTED POWER (mW)	MAXIMUM CONDUCTED POWER (dBm)	POWER LIMIT (dBm)	PASS/FAIL
36	5180	20.606	13.14	30	PASS
40	5200	21.135	13.25	30	PASS
48	5240	21.528	13.33	30	PASS
52	5260	17.179	12.35	24	PASS
60	5300	17.701	12.48	24	PASS
64	5320	17.418	12.41	24	PASS
100	5500	17.298	12.38	24	PASS
116	5580	17.179	12.35	24	PASS
132	5660	16.672	12.22	24	PASS
140	5700	16.827	12.26	24	PASS
149	5745	18.281	12.62	30	PASS
157	5785	18.239	12.61	30	PASS
165	5825	18.03	12.56	30	PASS

NOTE:

For U-NII-2A, U-NII-2C Band:

1. $11\text{dBm} + 10\log(20.08) = 24.02\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(20.06) = 24.02\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(20.05) = 24.02\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(20.06) = 24.02\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(20.05) = 24.02\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(20.07) = 24.02\text{ dBm} > 24\text{dBm}$.
7. $11\text{dBm} + 10\log(20.05) = 24.02\text{ dBm} > 24\text{dBm}$.

802.11n (HT20)

CHAN.	FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
36	5180	13.24	13.25	42.221	16.26	30	PASS
40	5200	13.31	13.34	43.006	16.34	30	PASS
48	5240	12.75	12.80	37.891	15.79	30	PASS
52	5260	12.54	12.62	36.228	15.59	24	PASS
60	5300	12.38	12.43	34.796	15.42	24	PASS
64	5320	12.45	12.55	35.568	15.51	24	PASS
100	5500	12.24	12.29	33.692	15.28	24	PASS
116	5580	12.21	12.23	33.345	15.23	24	PASS
132	5660	12.26	12.31	33.849	15.30	24	PASS
140	5700	12.22	12.27	33.538	15.26	24	PASS
149	5745	12.62	12.74	37.074	15.69	30	PASS
157	5785	12.68	12.78	37.502	15.74	30	PASS
165	5825	12.32	12.35	34.24	15.35	30	PASS

NOTE:

For U-NII-2A, U-NII-2C Band:

CHAIN 0

1. $11\text{dBm} + 10\log(20.34) = 24.08\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(20.39) = 24.09\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(20.36) = 24.08\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(20.40) = 24.09\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(20.39) = 24.09\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(20.40) = 24.09\text{ dBm} > 24\text{dBm}$.
7. $11\text{dBm} + 10\log(20.40) = 24.09\text{ dBm} > 24\text{dBm}$.

CHAIN 1

1. $11\text{dBm} + 10\log(20.30) = 24.07\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(20.34) = 24.08\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(20.35) = 24.08\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(20.29) = 24.07\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(20.38) = 24.09\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(20.43) = 24.10\text{ dBm} > 24\text{dBm}$.
7. $11\text{dBm} + 10\log(20.37) = 24.08\text{ dBm} > 24\text{dBm}$.

802.11n (HT40)

CHAN.	FREQ. (MHz)	MAXIMUM CONDUCTED POWER (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
38	5190	12.38	12.42	34.756	15.41	30	PASS
46	5230	12.35	12.37	34.437	15.37	30	PASS
54	5270	12.37	12.43	34.756	15.41	24	PASS
62	5310	12.38	12.42	34.756	15.41	24	PASS
102	5510	12.24	12.31	33.771	15.29	24	PASS
110	5550	12.25	12.29	33.731	15.28	24	PASS
134	5670	12.23	12.27	33.577	15.26	24	PASS
151	5755	12.35	12.39	34.517	15.38	30	PASS
159	5795	12.33	12.41	34.518	15.38	30	PASS

NOTE:

For U-NII-2A, U-NII-2C Band:

CHAIN 0

1. $11\text{dBm} + 10\log(41.10) = 27.13\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(41.17) = 27.14\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(41.25) = 27.15\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(41.19) = 27.14\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(41.16) = 27.14\text{ dBm} > 24\text{dBm}$.

CHAIN 1

1. $11\text{dBm} + 10\log(41.26) = 27.15\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(41.28) = 27.15\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(41.23) = 27.15\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(41.11) = 27.13\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(41.29) = 27.15\text{ dBm} > 24\text{dBm}$.

802.11ac (VHT80)

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	12.67	12.71	37.157	15.70	30	PASS
58	5290	12.57	12.68	36.607	15.64	24	PASS
106	5530	12.31	12.35	34.201	15.34	24	PASS
122	5610	12.28	12.34	34.044	15.32	24	PASS
138	5690	8.23	8.35	13.492	11.30	24	PASS
155	5775	12.54	12.65	36.355	15.61	30	PASS

NOTE:

For U-NII-2A, U-NII-2C Band:

CHAIN 0

1. $11\text{dBm} + 10\log(82.37) = 30.15\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(82.29) = 30.15\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(82.30) = 30.15\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(76.28) = 29.82\text{ dBm} > 24\text{dBm}$.

CHAIN 1

1. $11\text{dBm} + 10\log(82.34) = 30.15\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(82.53) = 30.16\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(82.31) = 30.15\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(76.21) = 29.82\text{ dBm} > 24\text{dBm}$.

26dB BANDWIDTH:

802.11a

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)
36	5180	20.08
40	5200	20.07
48	5240	20.07
52	5260	20.08
60	5300	20.06
64	5320	20.05
100	5500	20.06
116	5580	20.05
132	5660	20.07
140	5700	20.05

802.11n (HT20)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 0	CHAIN 1
36	5180	20.43	20.38
40	5200	20.35	20.37
48	5240	20.31	20.33
52	5260	20.34	20.30
60	5300	20.39	20.34
64	5320	20.36	20.35
100	5500	20.40	20.29
116	5580	20.39	20.38
132	5660	20.40	20.43
140	5700	20.40	20.37

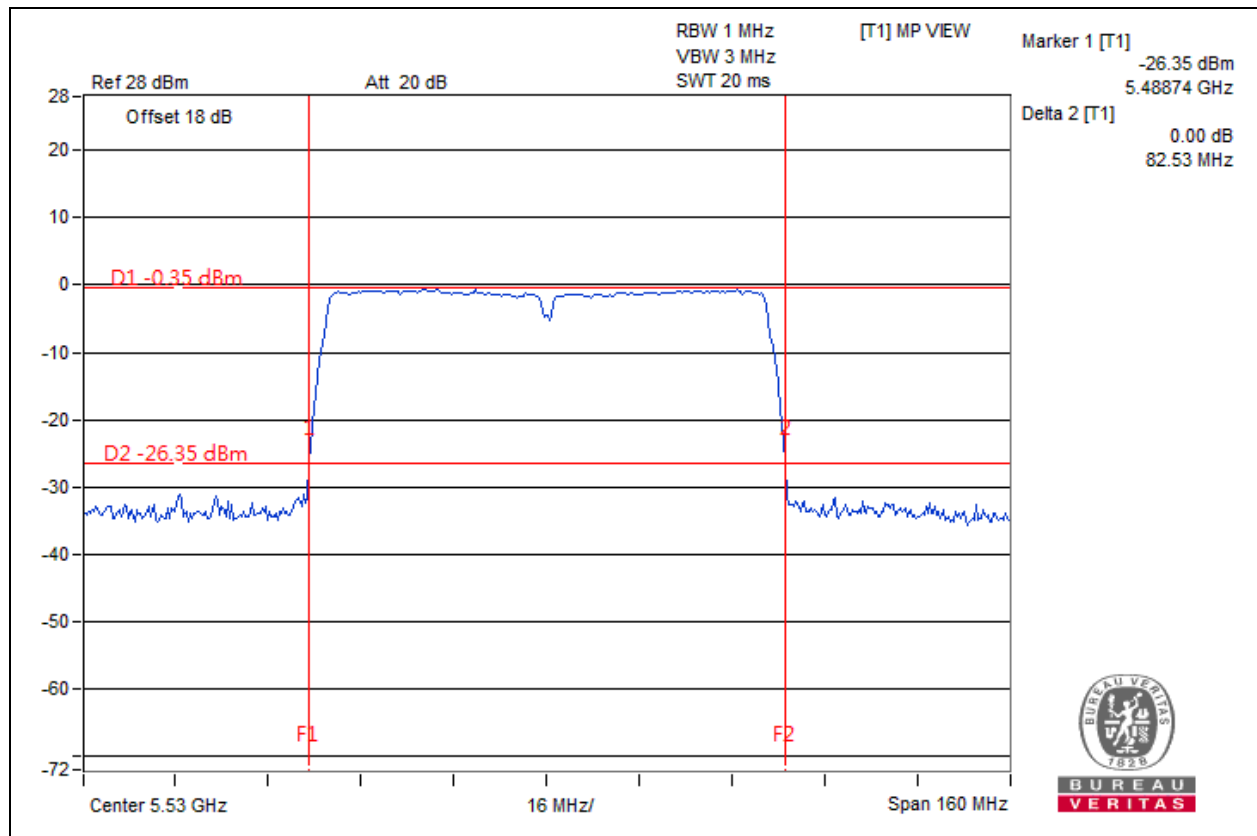
802.11n (HT40)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 0	CHAIN 1
38	5190	41.28	41.04
46	5230	41.23	41.20
54	5270	41.10	41.26
62	5310	41.17	41.28
102	5510	41.25	41.23
110	5550	41.19	41.11
134	5670	41.16	41.29

802.11ac (VHT80)

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc BANDWIDTH (MHz)	
		CHAIN 0	CHAIN 1
42	5210	82.26	82.34
58	5290	82.37	82.34
106	5530	82.29	82.53
122	5610	82.30	82.31
138	5690	76.28	76.21

**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

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

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

Using method SA-1:

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

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	107 年 5 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, U-NII-2A, U-NII-2C Band 802.11a

CHANNEL	FREQUENCY (MHz)	PSD (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
36	5180	-2.75	17	PASS
40	5200	-2.69	17	PASS
48	5240	-2.76	17	PASS
52	5260	-3.66	11	PASS
60	5300	-3.32	11	PASS
64	5320	-3.27	11	PASS
100	5500	-3.25	11	PASS
116	5580	-3.20	11	PASS
132	5660	-3.41	11	PASS
140	5700	-3.39	11	PASS

802.11n (HT20)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1			
36	5180	-2.74	-2.77	0.26	17	PASS
40	5200	-2.61	-2.59	0.41	17	PASS
48	5240	-2.80	-2.83	0.20	17	PASS
52	5260	-3.57	-3.54	-0.54	11	PASS
60	5300	-3.28	-3.30	-0.28	11	PASS
64	5320	-3.38	-3.36	-0.36	11	PASS
100	5500	-3.15	-3.17	-0.15	11	PASS
116	5580	-3.19	-3.15	-0.16	11	PASS
132	5660	-3.50	-3.53	-0.50	11	PASS
140	5700	-3.51	-3.47	-0.48	11	PASS

NOTE: Directional gain = $2.8\text{dBi} + 10\log(2) = 5.81 < 6\text{dBi}$, so the power density limit doesn't reduce.

802.11n (HT40)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1			
38	5190	-6.48	-6.51	-3.48	17	PASS
46	5230	-6.70	-6.69	-3.68	17	PASS
54	5270	-6.18	-6.21	-3.18	11	PASS
62	5310	-6.31	-6.28	-3.28	11	PASS
102	5510	-7.00	-7.02	-4.00	11	PASS
110	5550	-7.01	-6.96	-3.97	11	PASS
134	5670	-7.37	-7.40	-4.37	11	PASS

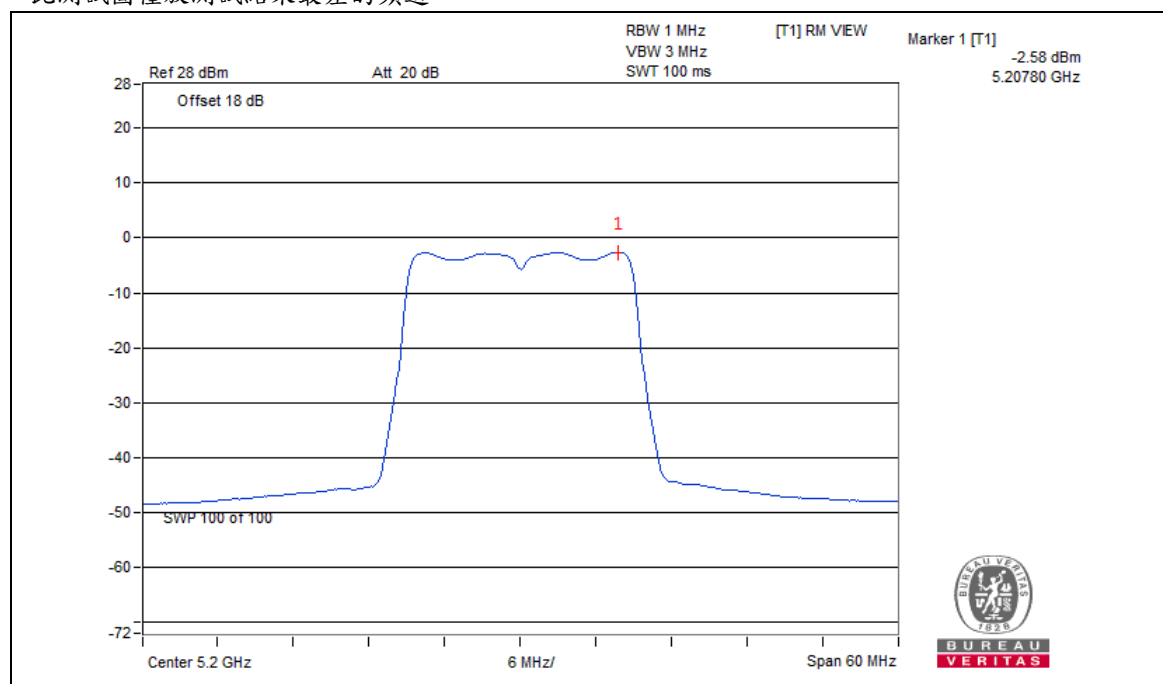
NOTE: Directional gain = $2.8\text{dBi} + 10\log(2) = 5.81 < 6\text{dBi}$, so the power density limit doesn't reduce.

802.11ac (VHT80)

CHAN.	CHAN. FREQ. (MHz)	PSD (dBm)		TOTAL POWER DENSITY (dBm)	MAX. LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1			
42	5210	-10.05	-10.01	-7.02	17	PASS
58	5290	-9.41	-9.44	-6.41	11	PASS
106	5530	-10.42	-10.39	-7.39	11	PASS
122	5610	-10.35	-10.37	-7.35	11	PASS
138	5690	-10.68	-10.55	-7.60	11	PASS

NOTE: Directional gain = $2.8\text{dBi} + 10\log(2) = 5.81 < 6\text{dBi}$, so the power density limit doesn't reduce.

**此測試圖僅放測試結果最差的頻道。



For U-NII-3 Band

802.11a

Channel	Freq. (MHz)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
149	5745	-11.17	30	PASS
157	5785	-12.14	30	PASS
165	5825	-12.10	30	PASS

802.11n (HT20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	149	5745	-11.64	3.01	-8.63	30	PASS
	157	5785	-11.96	3.01	-8.95	30	PASS
	165	5825	-11.40	3.01	-8.39	30	PASS
1	149	5745	-11.62	3.01	-8.61	30	PASS
	157	5785	-11.93	3.01	-8.92	30	PASS
	165	5825	-11.43	3.01	-8.42	30	PASS

NOTE: Directional gain = $2.8\text{dBi} + 10\log(2) = 5.81 < 6\text{dBi}$, so the power density limit doesn't reduce.

802.11n (HT40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	151	5755	-16.89	3.01	-13.88	30	PASS
	159	5795	-17.23	3.01	-14.22	30	PASS
1	151	5755	-16.76	3.01	-13.75	30	PASS
	159	5795	-17.15	3.01	-14.14	30	PASS

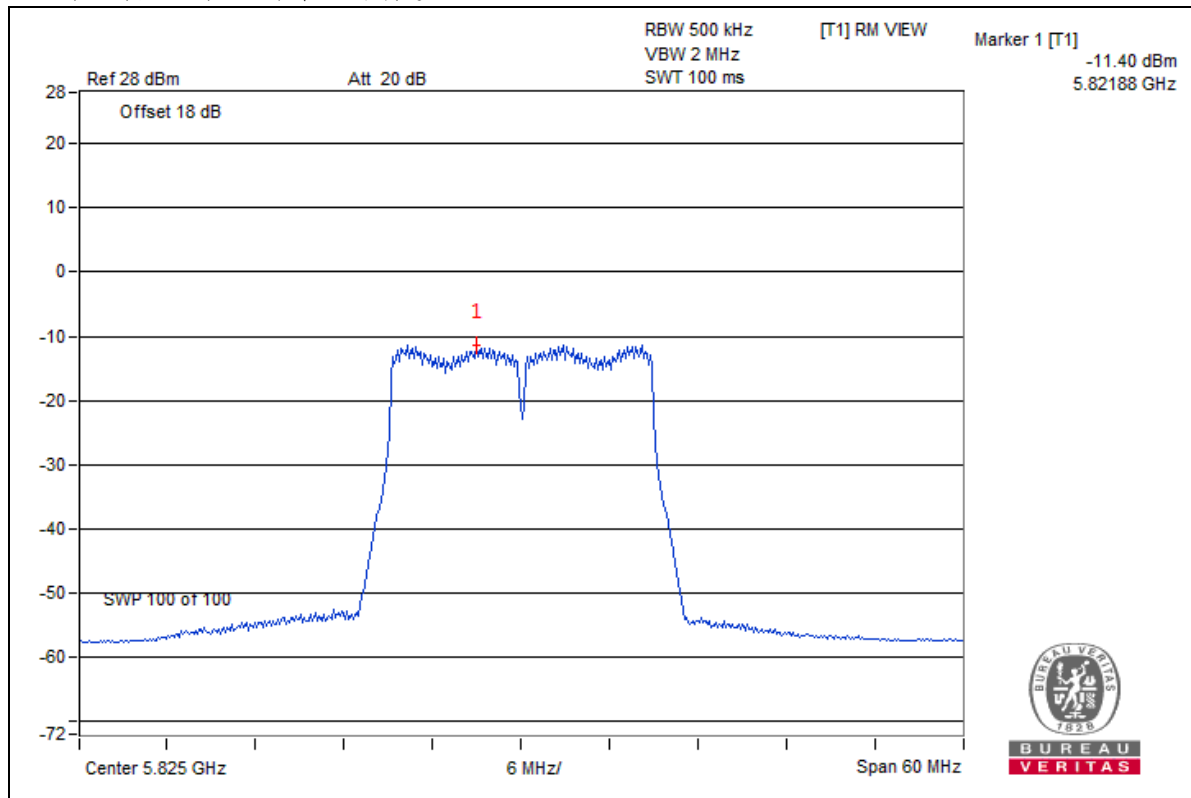
NOTE: Directional gain = $2.8\text{dBi} + 10\log(2) = 5.81 < 6\text{dBi}$, so the power density limit doesn't reduce.

802.11ac (VHT80)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	PASS /FAIL
0	155	5775	-20.27	3.01	-17.26	30	PASS
1	155	5775	-20.11	3.01	-17.10	30	PASS

NOTE: Directional gain = $2.8\text{dBi} + 10\log(2) = 5.81 < 6\text{dBi}$, so the power density limit doesn't reduce.

**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 5 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 6.3 節。

13.4 測試配置

同 6.4 節。

13.5 量測結果

操作模式	發射	測試日期	107 年 5 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.	Freq. (MHz)	6dBc Bandwidth (MHz)	Minimum Limit (MHz)	Pass / Fail
149	5745	16.62	0.5	Pass
157	5785	16.62	0.5	Pass
165	5825	16.63	0.5	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	6dBc Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		CHAIN 0	CHAIN 1		
149	5745	17.80	17.79	0.5	Pass
157	5785	17.77	17.78	0.5	Pass
165	5825	17.75	17.75	0.5	Pass

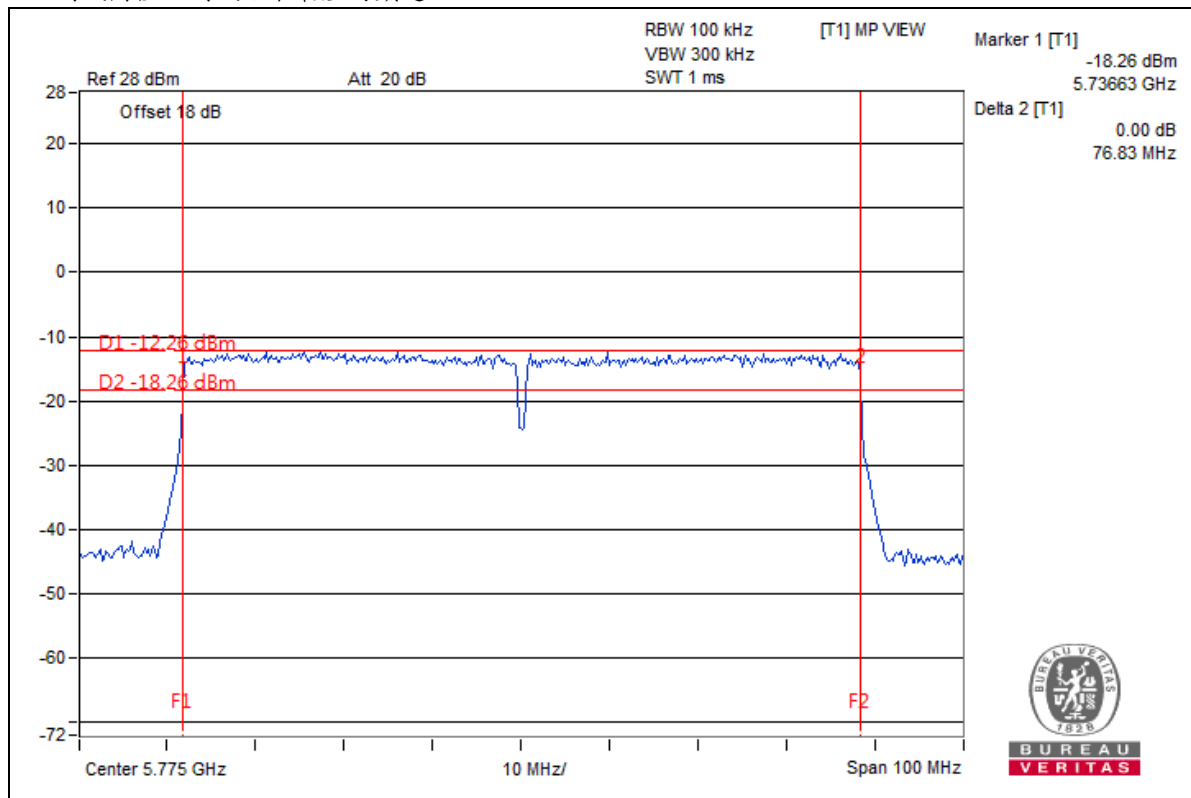
802.11n (HT40)

Chan.	Freq. (MHz)	6dBc Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		CHAIN 0	CHAIN 1		
151	5755	36.54	36.54	0.5	Pass
159	5795	36.58	36.60	0.5	Pass

802.11ac (VHT80)

Chan.	Freq. (MHz)	6dBc Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		CHAIN 0	CHAIN 1		
155	5775	76.75	76.83	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
☒ 待測物為射頻模組產品，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
2.4GHz Band	27.05	5.81	20	0.3844	1	Pass
5.0GHz Band	16.34	5.81	20	0.0326	1	Pass
BT EDR	2.97	0.3	20	0.0004	1	Pass
BT LE	2.88	0.3	20	0.0004	1	Pass

Note:

1. For 2.4GHz Band: Directional gain = 2.8dBi + 10log(2) = 5.81dBi

2. For 5.0GHz Band: Directional gain = 2.8dBi + 10log(2) = 5.81dBi

CONCLUSION:

Both of the WLAN 2.4G & WLAN 5G & BT 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

$$WLAN\ 2.4G + WLAN\ 5.0G + BT = 0.3844 + 0.0326 + 0.0004 = 0.4174$$

Therefore, the maximum calculation of this situation is 0.4174, which is less than the "1" limit.

附錄：動態頻率選擇

1 EUT Information

1.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating frequency bands and mode of EUT

Operational Mode	Operating Frequency Range	
	5250~5350MHz	5470~5725MHz
Client without radar detection and ad hoc function	✓	✓

1.2 EUT Software and Firmware Version

Table 2: The EUT software/firmware version

No.	Product	Model No.	Software/Firmware Version
1	射頻模組	LEX-M07-001	Driver Version: p152

1.3 Description of Available Antennas to the EUT

Table 3: Antenna list

Ant No.	Antenna Type	Operation Frequency Range (MHz)	Max. Gain (dBi)
1	PCB	5250-5350 MHz	2.8
1	PCB	5350-5725 MHz	2.8
2	PCB	5250-5350 MHz	2.6
2	PCB	5350-5725 MHz	2.6

1.4 EUT Maximum Conducted Power

Table 4: The measured conducted output power

802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	12.48	17.701
1	5470~5725	12.38	17.298

802.11n (HT20)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	15.59	36.228
1	5470~5725	15.30	33.849

802.11n (HT40)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	15.41	34.756
1	5470~5725	15.29	33.771

802.11ac (VHT80)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	15.64	36.607
1	5470~5725	15.34	34.201

1.5 EUT Maximum EIRP Power

Table 5: The EIRP output power list

802.11a

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	15.28	33.729
1	5470~5725	15.18	32.961

802.11n (HT20)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	18.39	69.031
1	5470~5725	18.10	64.498

802.11n (HT40)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	18.21	66.226
1	5470~5725	18.09	64.349

802.11ac (VHT80)

ANT NO.	FREQUENCY BAND (MHz)	MAX. POWER	
		OUTPUT POWER(dBm)	OUTPUT POWER(mW)
1	5250~5350	18.44	69.753
1	5470~5725	18.14	65.169

1.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Maximum EIRP of this device is 69.753 mW which less than 500mW, therefore it's not require TPC function.

1.7 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user. **And the device doesn't have Ad Hoc mode on DFS frequency bands.**

2 U-NII DFS Rule Requirements

2.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS requirements prior to use a channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	✓	Not required	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓

Table 7: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master or Client with radar detection	Client without radar detection
DFS Detection Threshold	✓	Not required
Channel Closing Transmission Time	✓	✓
Channel Move Time	✓	✓
U-NII Detection Bandwidth	✓	Not required

Additional requirements for devices with multiple bandwidth modes	Master or Client with radar detection	Client without radar detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in all 20 MHz channel blocks and null frequencies between the bonded 20 MHz channel blocks.

2.2 Test Limits and Radar Signal Parameters

DETECTION THRESHOLD VALUES

Table 8: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 9: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

PARAMETERS OF DFS TEST SIGNALS

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a ----- Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup} \left(\left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right)$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 11: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 12: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

3 Test & Support Equipment List

3.1 Test Instruments

Table 13: Test instruments list

DESCRIPTION & MANUFACTURER	MODEL NO.	BRAND	CALIBRATED UNTIL
R&S Spectrum analyzer	FSP	R&S	2018/06/06
Signal generator	MXG N5182B	Keysight	2018/05/22

3.2 Description of Support Units

Table 14: Support Unit information

No.	Product	Brand	Model No.	FCC ID	Spec.
1	Wireless Router	Access Point	Netgear R6800	PY316200344	5G Ant gain : 2.88dBi Maximum EIRP :28.4dBm

Note: This device was functioned as a ☒ Master ☐ Slave device during the DFS test.

Table 15: Software/Firmware information

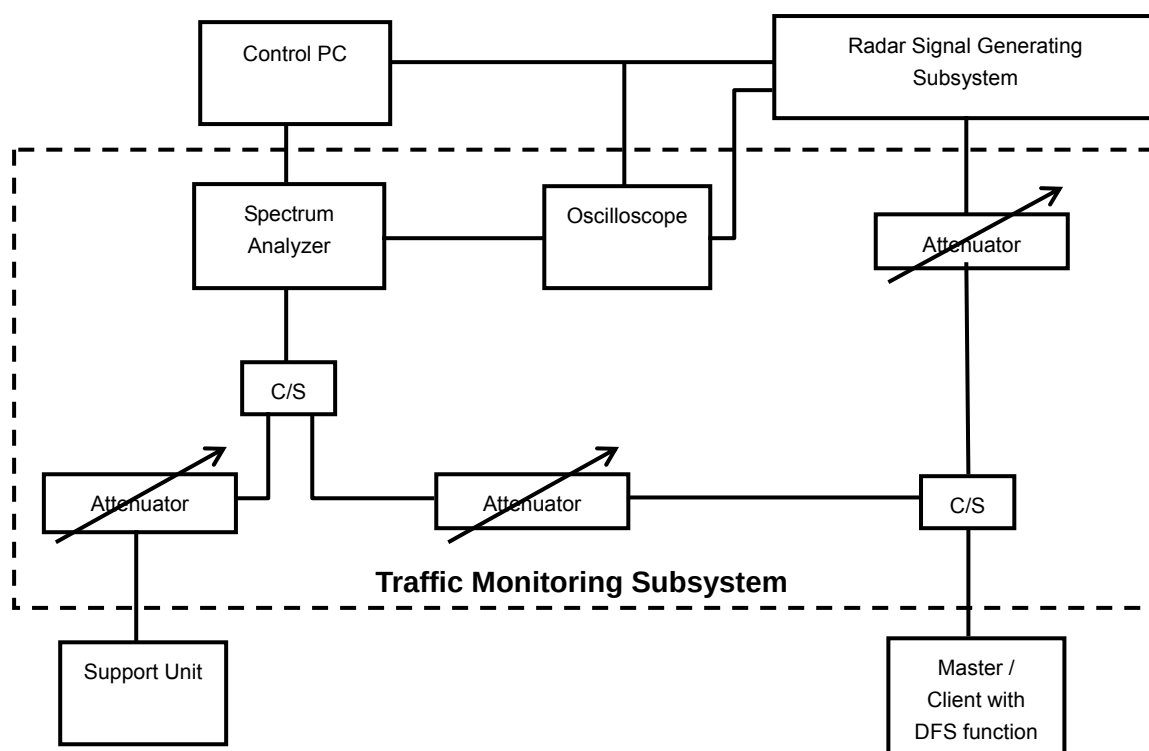
No.	Product	Model No.	Software/Firmware Version
1.	Wireless Router	Netgear R6800	V1.1.034_1.0.1_0418_usdfs

4 Test Procedure

4.1 DFS Measurement System

A complete DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

Conducted setup configuration of DFS Measurement System



System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

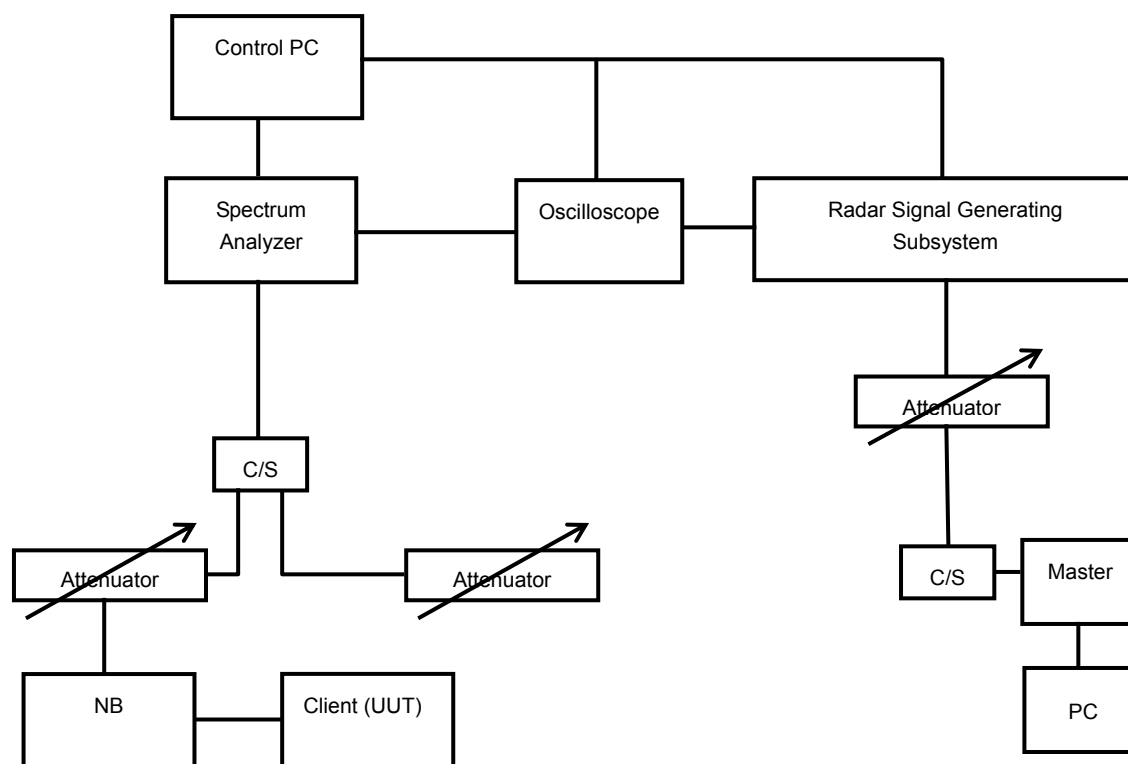
	a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
	b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
V	c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.
	d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

4.3 Deviation from Test Standard

No deviation.

4.4 Conducted Test Setup Configuration

4.4.1 Client without Radar Detection Mode



5 Test Results

5.1 Summary of Test Results

Clause	Test Parameter	Remarks	Pass/Fail
4.7	DFS Detection Threshold	Not Applicable	NA
4.7	Channel Availability Check Time	Not Applicable	NA
4.7	Channel Move Time	Applicable	Pass
4.7	Channel Closing Transmission Time	Applicable	Pass
4.7	Non- Occupancy Period	Applicable	Pass
4.7	Uniform Spreading	Not Applicable	NA
4.7	U-NII Detection Bandwidth	Not Applicable	NA
4.7	Non-associated test	Applicable	Pass
4.7	Non-Co-Channel test	Applicable	Pass

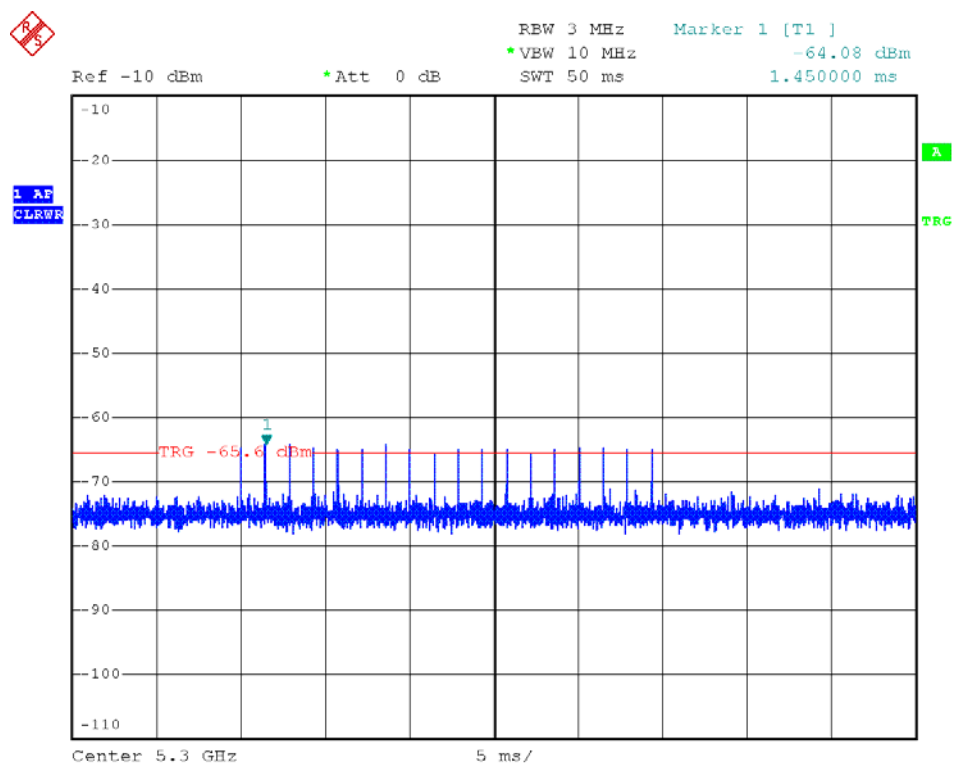
5.2 Detection of Test Results

5.2.1 Test Mode: Device operating in Client without Radar Detection mode.

Client with injection at the Master. (The radar test signals are injected into the Master Device)

DFS DETECTION THRESHOLD

For a detection threshold level of -64dBm, the required signal strength at Master Device antenna location is -64 dBm. The tested level is lower than required level hence it provides margin to the limit.



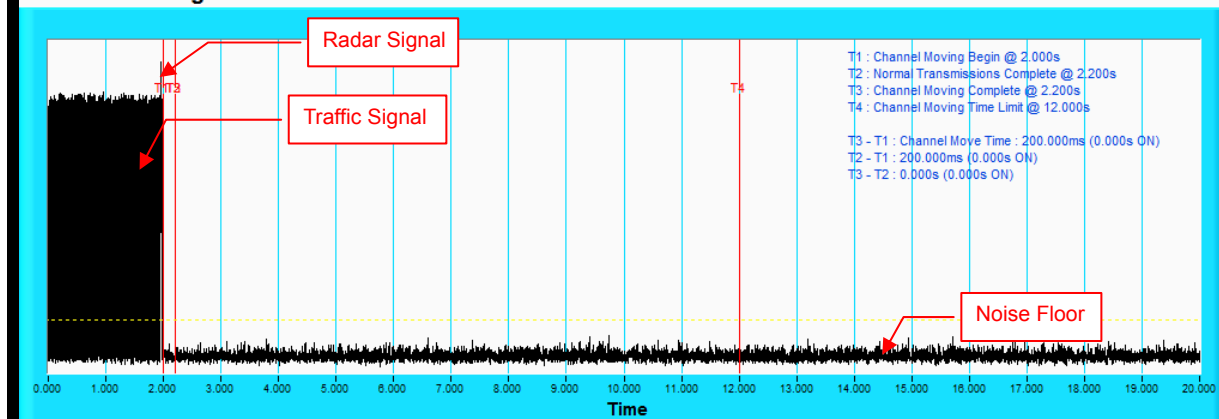
Radar Signal 0

5.2.2 Channel Closing Transmission and Channel Move Time

Radar signal 0

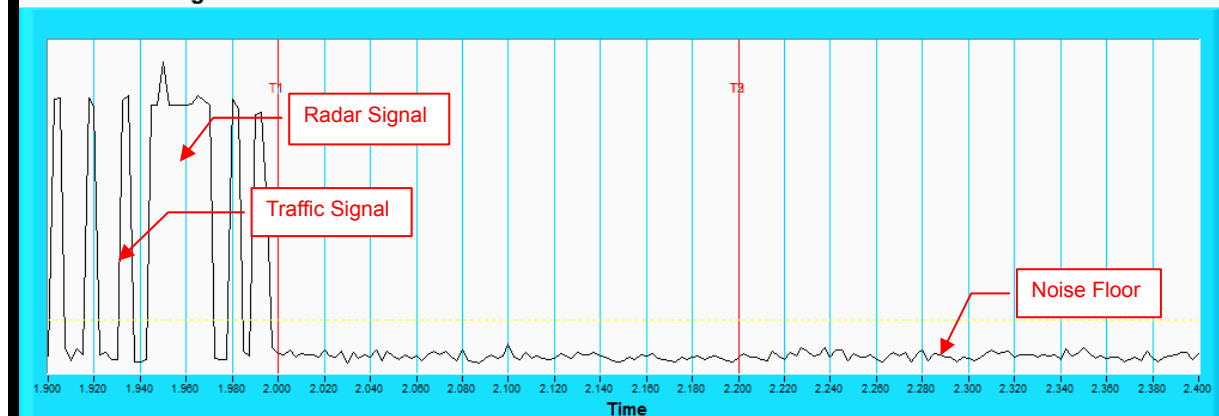
802.11an 20MHz

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time

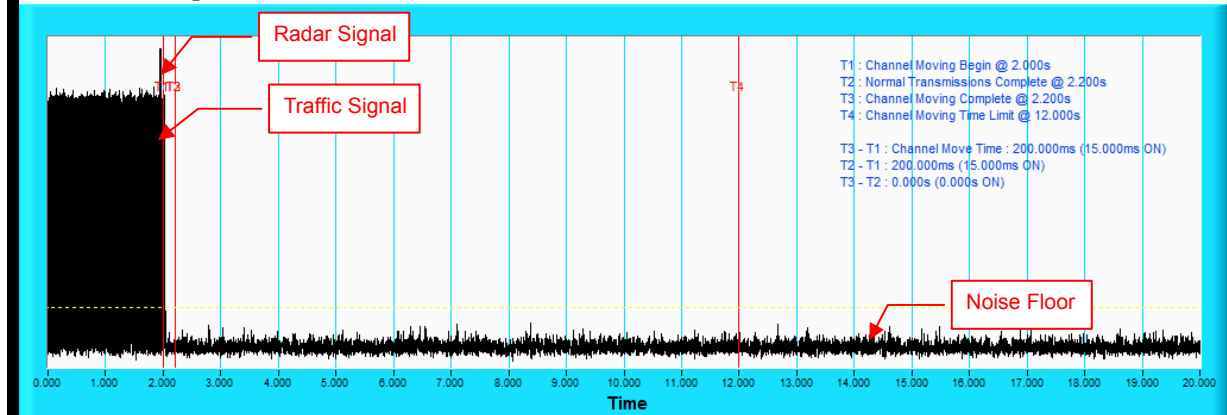


NOTE: An expanded plot for the device vacates the channel in the required 500ms.

Radar signal 0

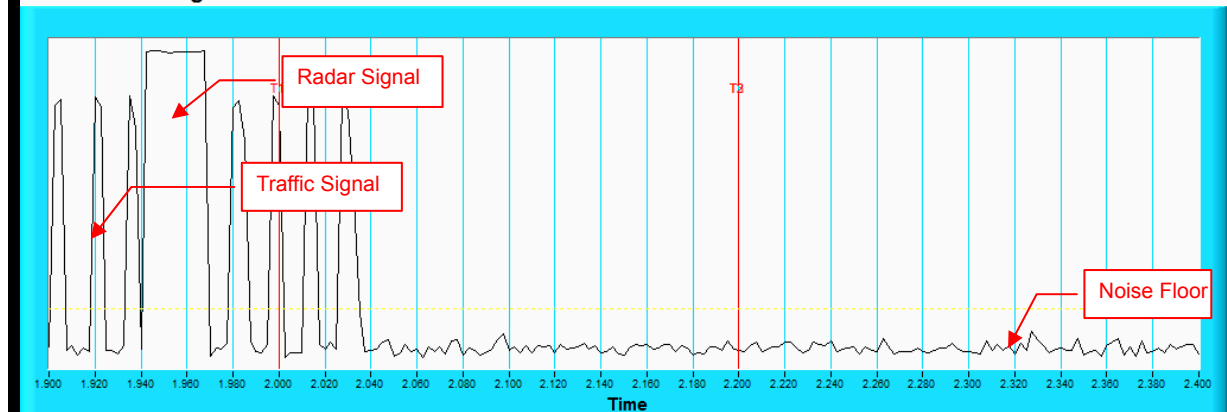
802.11an 40MHz

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time

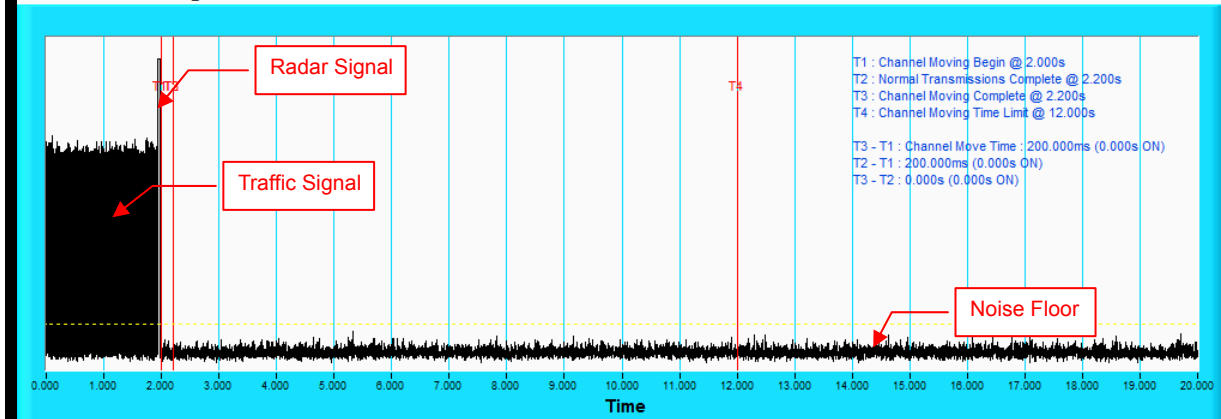


NOTE: An expanded plot for the device vacates the channel in the required 500ms.

Radar signal 0

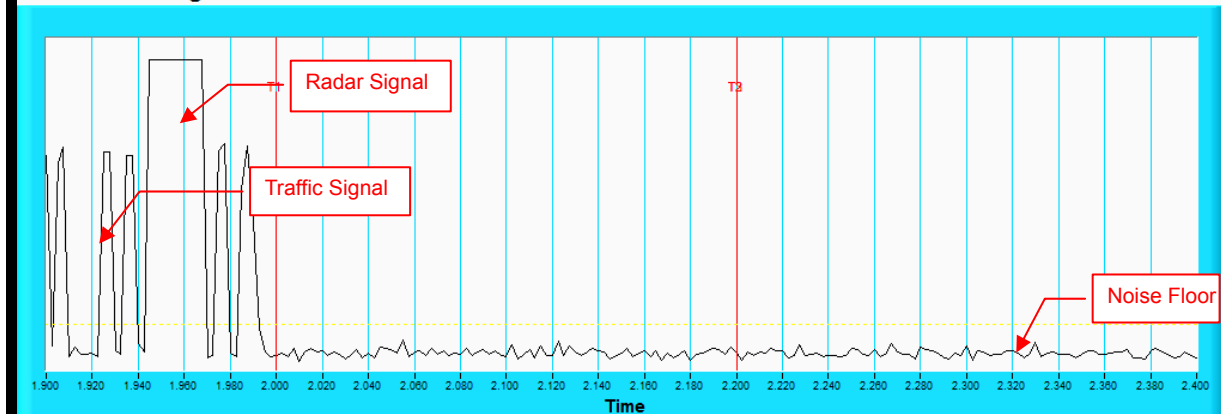
802.11aC 80MHz

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time



NOTE: An expanded plot for the device vacates the channel in the required 500ms.

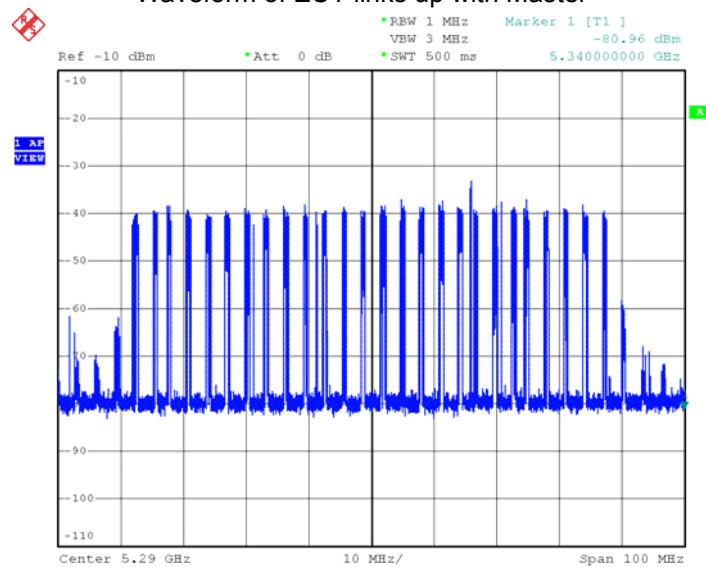
5.2.3 Non-Occupancy Period

Associate test:

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

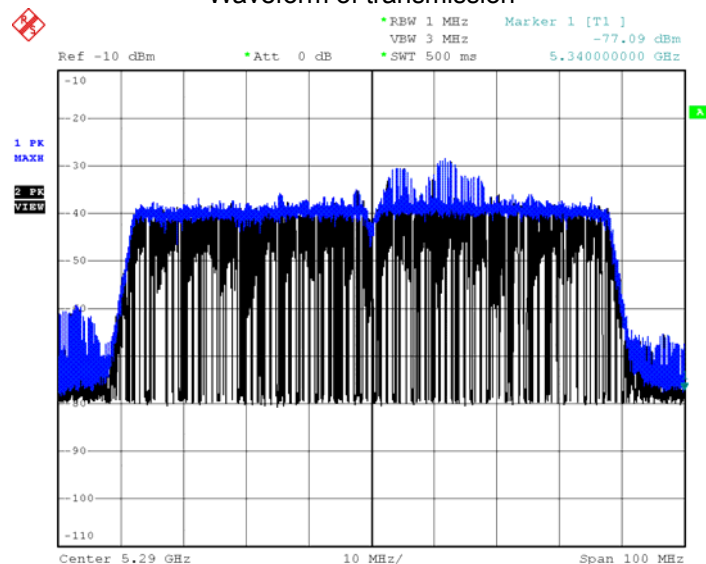
- 1) EUT (Client) links with master on 5290MHz.

Waveform of EUT links up with Master

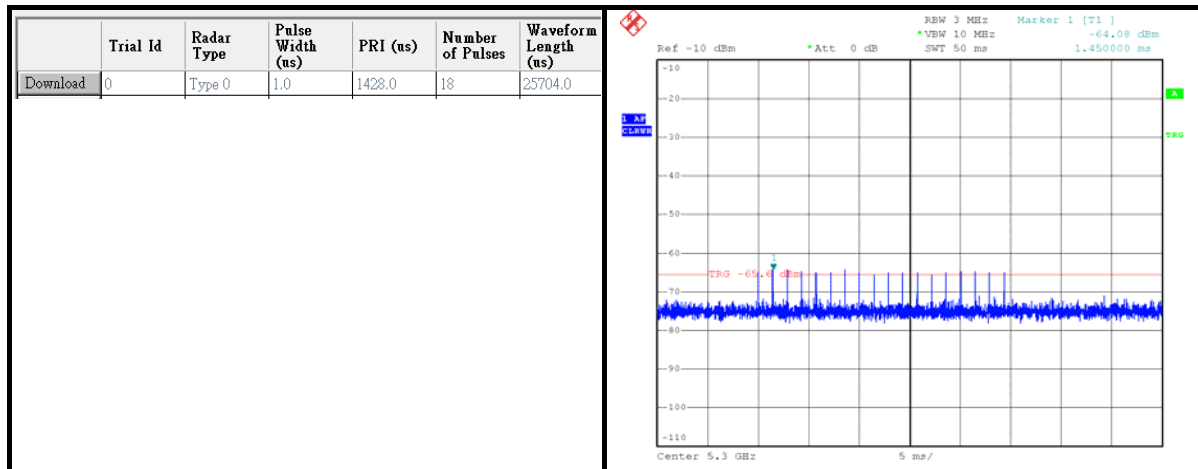


- 2) Client plays specified files via master.

Waveform of transmission



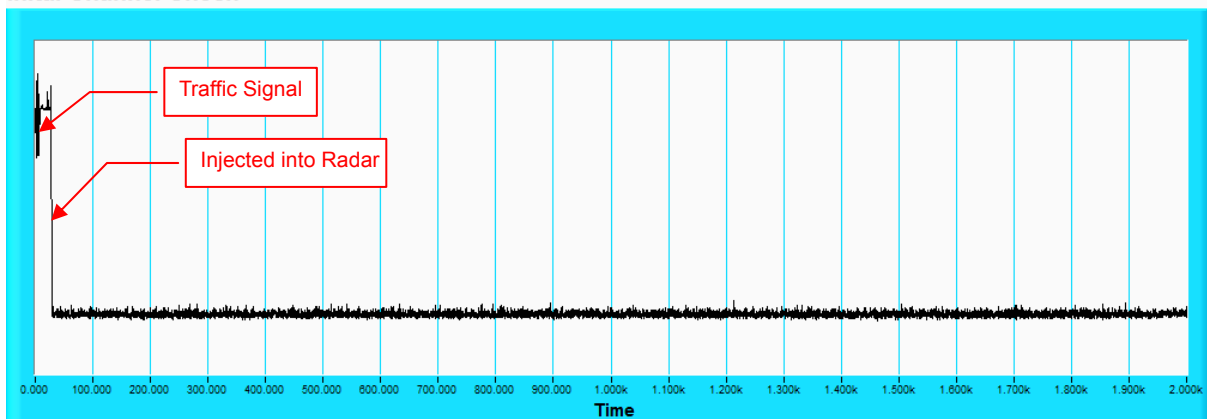
3) Radar signal 0 is applied to the Master device and WiFi traffic signal stop immediately.



4) 5290MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30 minutes period

802.11ac 80MHz
Initial Channel Check

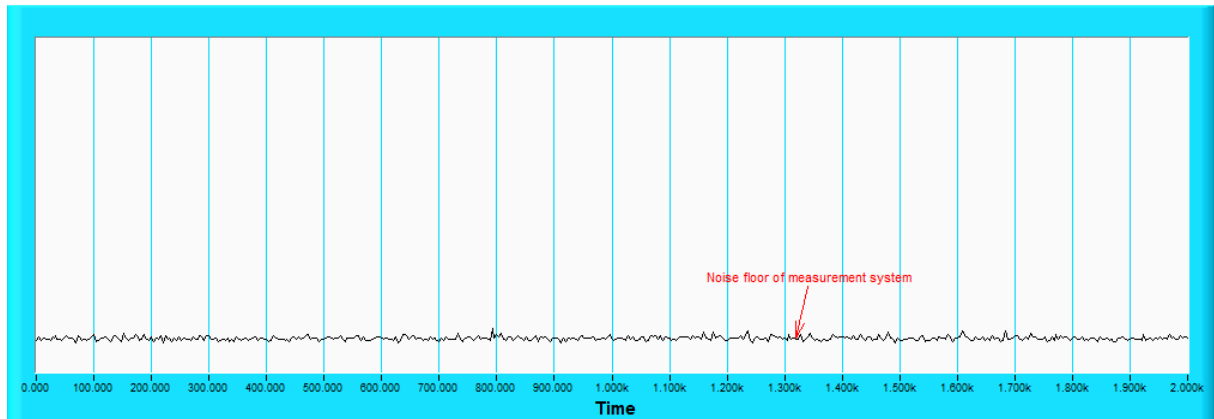


NOTE: Test setup is shown on Test set up photo.pdf

5.2.4 Non-Associated Test

Master was off.

During the 30 minutes observation time, The UUT did not make any transmissions in the DFS band after UUT power up.



5.2.5 Non-Co-channel Test

The UUT was investigated after radar was detected and confirmed that no co-channel operation with radars.

15 檢測實驗室基本資料

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

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：
Tel: 886-2-26052180
Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：
Tel: 886-3-6668565
Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：
Tel: 886-3-3183232
Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

您也可以在我们的網站內找到各實驗室的地圖。

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