

低功率射頻電機技術規範測試報告

報告編號.	RT170918D05B
申請者	皇輝科技股份有限公司
產品名稱	AP1251 無線基地台
型號	OAW-AP1251
製造廠商	ALE International
商標或廠牌	Alcatel-Lucent Enterprise
該產品樣品試驗 依據之試驗標準	國家通訊傳播委員會低功率射頻電機技術規範 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

日期: 107 年 1 月 19 日

報告簽署人簽章:

賴正軒



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報告發行紀錄

Issue No.	Description	Date Issued
RT170918D05B	Original release.	107 年 1 月 19 日

證 明 書

發行日期：107 年 1 月 19 日

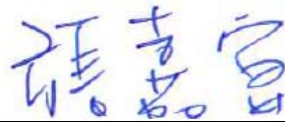
產 品 名 稱：AP1251 無線基地台
商 標：Alcatel-Lucent Enterprise
型 號：OAW-AP1251
申 請 者：皇輝科技股份有限公司
量 測 規 範：低功率射頻電機技術規範 LP0002
ANSI C63.10-2013

香港商立德國際商品試驗有限公司桃園分公司在此證明上述待測設備樣品一組(型號：OAW-AP1251)，收件日期 106 年 5 月 8 日，於 106 年 5 月 9 日至 106 年 9 月 20 日，已在本公司的標準測試場地完成量測。報告中所描述之測試結果和待測設備的架構組合，均根據樣品實際的量測情況作詳實的記錄。

立德桃園分公司依“低功率射頻電機技術規範”、“低功率電波輻射性電機管理辦法”及“電信管制射頻器材審驗辦法”製作測試結果報告。

特 此 證 明 ！

報告製作者：


張嘉宴 / 高級專員

， 日 期： 107 年 1 月 19 日

審 核 者：


賴正軒 / 技術副理

， 日 期： 107 年 1 月 19 日

香港商立德國際商品試驗有限公司桃園分公司

實驗室地址：新北市林口區嘉寶里 14 鄰 47-2 號

此份報告不得摘錄複製，除全份複製外，需經實驗室書面同意。



1 低功率射頻電機量測記錄表

申請廠商： 皇輝科技股份有限公司

製造廠商： ALE International

申請廠商地址： 臺北市內湖區民權東路6段11巷43之1號3樓

廠牌： Alcatel-Lucent Enterprise

產品名稱： AP1251 無線基地台

型號： OAW-AP1251

量測單位名稱： 香港商立德國際商品試驗有限公司桃園分公司 林口實驗室

量測單位地址： 新北市林口區嘉寶里14鄰47-2號

量測單位認可編號： TAF 2021 (9kHz~40GHz)

量測規範： 低功率射頻電機技術規範 LP0002

ANSI C63.10-2013

KDB 558074

KDB 662911

KDB 789033

WLAN 2.4GHz 頻段概要

項次	量測項目	規 範	量測結果判定
1	帶外發射	低功率射頻電機技術規範 3.10.1.5 節	合格
2	電源線傳導干擾	低功率射頻電機技術規範 2.3 節	合格
4	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6 節	合格
5	峰值傳導輸出功率	低功率射頻電機技術規範 3.10.1.2 節	合格
6	功率頻譜密度	低功率射頻電機技術規範 3.10.1.6 節	合格

WLAN 5.150~5.250GHz頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻電機技術規範2.3節	合格
2	帶外發射	低功率射頻電機技術規範4.7.4節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範4.7.3.1節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範4.7.3.1節	合格

WLAN 5.725~5.850GHz 頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻電機技術規範2.3節	合格
2	帶外發射	低功率射頻電機技術規範4.7.4節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範4.7.3.3節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範4.7.3.3節	合格
5	6dB 頻寬	低功率射頻電機技術規範4.7.5節	合格

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

項次	量測項目	規 範	量測結果判定
1	電波暴露量	低功率射頻電機技術規範第 5.20.2 節	合格

2 一般敘述

2.1 待測設備

產品名稱：	AP1251 無線基地台	
型號：	OAW-AP1251	
額定電源：	48Vdc from PoE	
調變方式：	2.4GHz	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in VHT20 & VHT40
	5.0GHz	64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode (VHT20,VHT40, VHT80)
調變技術：	DSSS, OFDM	
傳輸速率：	802.11b: 11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g/a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 400Mbps 802.11ac: up to 867Mbps	
載波頻率：	2.4GHz	2412 ~ 2462MHz
	5.0GHz	5180 ~ 5240MHz, 5745 ~ 5825MHz
頻道數：	2.4GHz	802.11b, 802.11g, 802.11n (20MHz), VHT20: 11 802.11n (40MHz), VHT40: 7
	5.0GHz	5180 ~ 5240MHz 802.11a, 802.11n (20MHz), 802.11ac (20MHz): 4 802.11n (40MHz), 802.11ac (40MHz): 2 802.11ac (80MHz): 1 5745 ~ 5825MHz: 802.11a, 802.11n (20MHz), 802.11ac (20MHz): 5 802.11n (40MHz), 802.11ac (40MHz): 2 802.11ac (80MHz): 1
發射功率(電場強度)：	2.4GHz	27.49 dBm
	5.0GHz	5180 ~ 5240MHz: 13.87dBm 5745 ~ 5825MHz: 26.46dBm
天線種類：	見註	
電源線類別：	見註	
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	
	2.4GHz	5.0GHz
802.11b	2TX	-
802.11g	2TX	-
802.11n (20MHz)	2TX	-
802.11n (40MHz)	2TX	-
VHT20	2TX	-
VHT40	2TX	-
802.11a	-	2TX
802.11n (20MHz)	-	2TX
802.11n (40MHz)	-	2TX
802.11ac (20MHz)	-	2TX
802.11ac (40MHz)	-	2TX
802.11ac (80MHz)	-	2TX

註 2: 此待測設備搭配測試的天線，其資料如下：

Frequency Band (MHz)	Chain No.	天線型式	商標	型號	增益(dBi)	接頭型式
2412-2462	Chain 0	Omni	Sercomm	617210SUJH	8.15	MMCX
	Chain 1				8.46	
5180-5240	Chain 0	Omni	Sercomm	617210SUJH	6.97	
	Chain 1				6.97	
5745-5825	Chain 0	Omni	Sercomm	617210SUJH	6.62	
	Chain 1				6.24	

The directional gain table:

Frequency (MHz)	Max. Gain (dBi)
2412 ~ 2462	11.32
5180-5240	9.98
5745-5825	9.44

(i) If transmit signals are *correlated*, then

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi}$$

[Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

註 3: 此報告中，場強輻射量經過評估後以下列測試模式進行最終量測。

量測項目	發射	接收
2412 ~ 2462MHz		
1GHz 以上量測	CDD Mode 802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (20MHz): Ch 1, 6, 11 802.11n (40MHz): Ch 3, 6, 9 Beamforming Mode 802.11n (20MHz): Ch 1, 6, 11 802.11n (40MHz): Ch 3, 6, 9 Additional test: 802.11g: Ch 2, 10 802.11n (20MHz): Ch 2, 10	802.11g: Ch 11
其它不必要之訊號	802.11g: Ch 11	
傳導干擾電壓量測	802.11g: Ch 11	
5180 ~ 5240MHz & 5745 ~ 5825MHz		
1GHz 以上量測	CDD Mode 802.11a: Ch 36, 40, 48, 149, 157, 165 802.11ac (20MHz): Ch 36, 40, 48, 149, 157, 165 802.11ac (40MHz): Ch 38, 46, 151, 159 802.11ac (80MHz): Ch 42, 155 Beamforming Mode 802.11ac (20MHz): Ch 36, 40, 48, 149, 157, 165 802.11ac (40MHz): Ch 38, 46, 151, 159 802.11ac (80MHz): Ch 42, 155	802.11a: Ch 157
其它不必要之訊號	802.11a: Ch 157	
傳導干擾電壓量測	802.11a: Ch 157	

註 4: 此報告中For WLAN 2.4GHz頻段，峰值傳導輸出功率量測與場強輻射量測，以CDD Mode和Beamforming Mode分別進行測試並記錄最終量測結果於報告中。其峰值傳導輸出功率量測之外的測試項目，僅以CDD Mode進行測試，並記錄最終量測結果於報告中。

註 5: 此報告中For WLAN 5GHz頻段，峰值傳導輸出功率量測，以CDD Mode和Beamforming Mode分別進行測試並記錄最終量測結果於報告中。其峰值傳導輸出功率量測之外的測試項目僅以CDD Mode進行測試，並記錄最終量測結果於報告中

註 6: 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 7: 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、側放、垂直，其中以垂直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 8: Duty cycle of test signal.

2.4GHz頻段

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

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

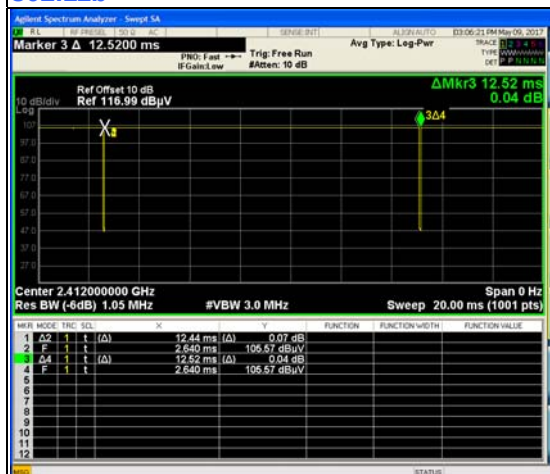
802.11b: Duty cycle = Duty cycle of test signal is 99.4 %.

802.11g: Duty cycle = $2.055/2.155 = 0.954$, Duty factor = $10 * \log(1/0.954) = 0.20$

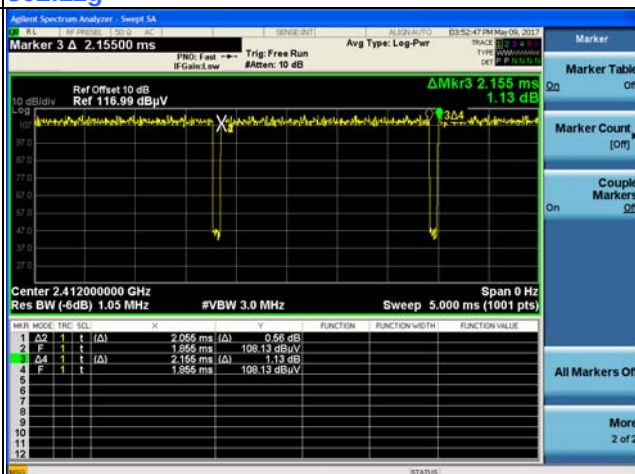
802.11n (20MHz): Duty cycle of test signal is 98.2 %.

802.11n (40MHz): Duty cycle = $2.40/2.52 = 0.952$, Duty factor = $10 * \log(1/0.952) = 0.21$

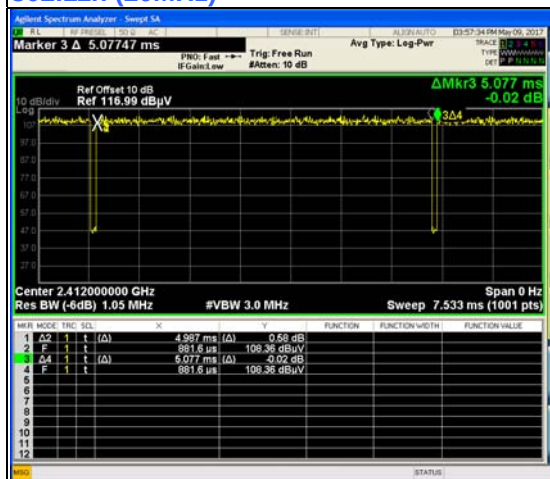
802.11b



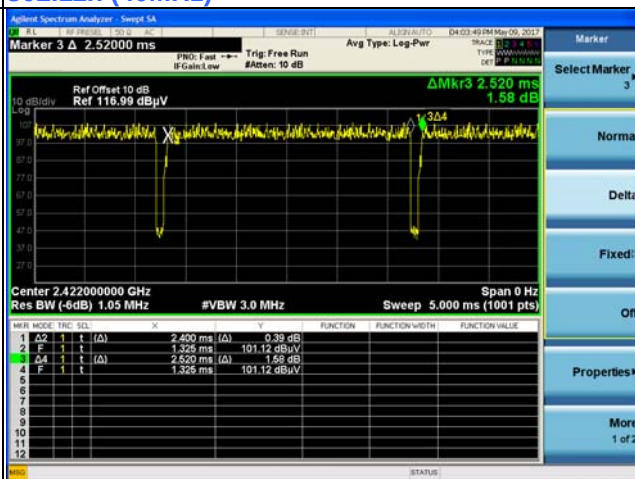
802.11g



802.11n (20MHz)



802.11n (40MHz)



5GHz 频段

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

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

802.11a: Duty cycle = $2.055/2.139 = 0.961$, Duty factor = $10 * \log(1/0.961) = 0.17$

802.11ac (20MHz): Duty cycle = 98.2%

802.11ac (40MHz): Duty cycle = $2.385/2.510 = 0.950$, Duty factor = $10 * \log(1/0.950) = 0.22$

802.11ac (80MHz): Duty cycle = $1.116/1.218 = 0.916$, Duty factor = $10 * \log(1/0.916) = 0.38$



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g, 802.11n (20MHz), VHT20:

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

802.11n (40MHz), VHT40:

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

5GHz 頻段:

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

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

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

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

802.11ac (80MHz):

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

詳細之規格請參考使用說明書，產品的照片請參照 BV 報告編號:171115D20。

2.2 輔助測試之週邊設備描述

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook PC	DELL	E6530	9331GV1	FCC DoC Approved	Provided by Lab
B.	PoE Adapter	Microsemi	PD-3501G/AC	N/A	N/A	Supplied by client
C.	Load	N/A	N/A	N/A	N/A	Provided by Lab

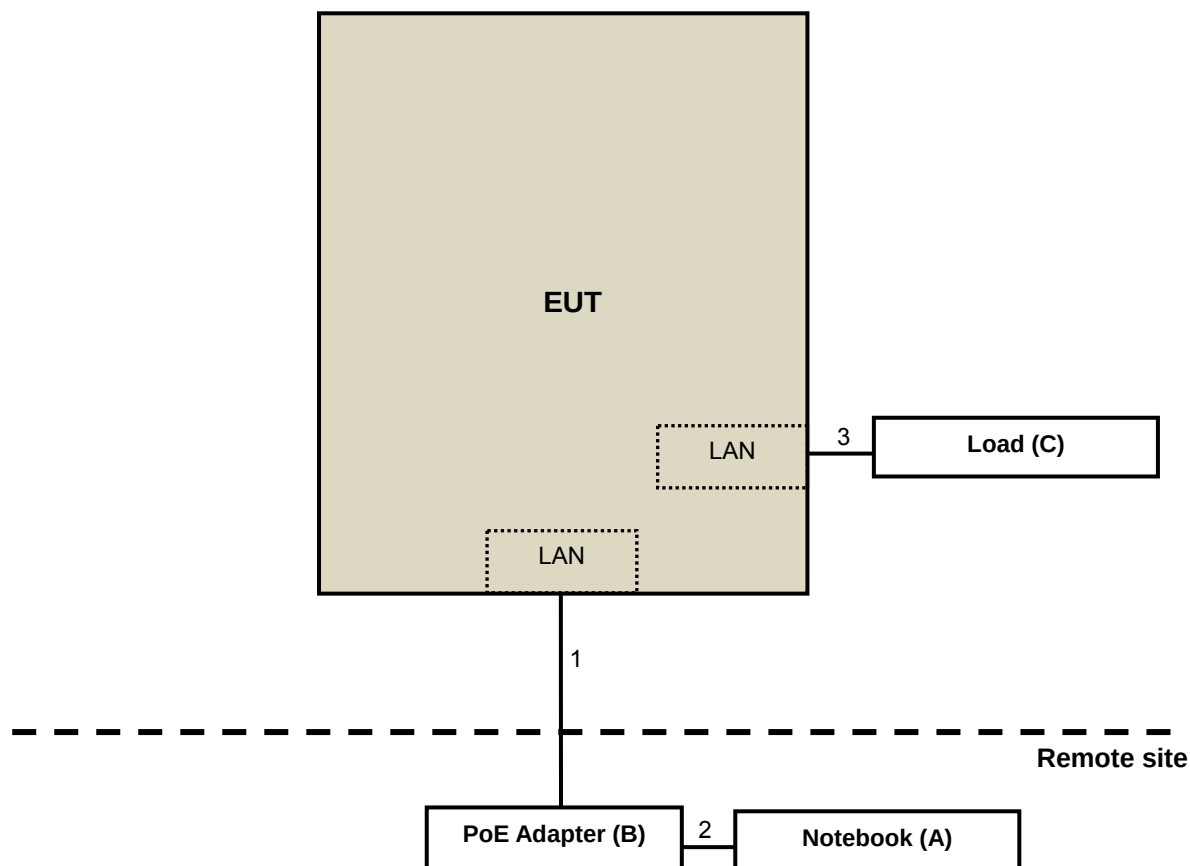
Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Items A~B acted as communication partners to transfer data.
3. The rating of support unit B was as follows:
AC I/P: 100-240V, 50/60Hz, 0.43A
DC O/P: 48V, 0.35A

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	LAN cable	1	1.2	N	0	Provided by Lab
2.	LAN cable	1	10	N	0	Provided by Lab
3.	LAN cable	1	1.8	N	0	Provided by Lab

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

2.3 測試架構圖



3 適用規範

3.1 規範要求

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻電機技術規範之 2.3 節，電源傳導干擾之限制要求如下：

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

(註)：隨頻率之對數遞減。

(2) 帶外發射之規定

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.5 節之要求，操作頻帶範圍外之任意 100 kHz 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 kHz 內的射頻功率，其衰減值限制如下：(1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。(2) 輸出功率以 3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減 30 dB。

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

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.4.1 節之要求，帶外發射之有效等向輻射功率(EIRP) ≤ -27 dBm/MHz。

(III) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.4.2 節之要求，所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP) ≤ 27 dBm/MHz~15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz~25 MHz，有效等向輻射功率 35(EIRP) ≤ 15.6 dBm/MHz~10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz~75 MHz，有效等向輻射功率(EIRP) ≤ 10 dBm/MHz~-27 dBm/MHz(以線性法計算對應之限制值)；所有頻帶邊緣外 ≥ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) ≤ -27 dBm/MHz；有關遮罩限制值詳圖 1。

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

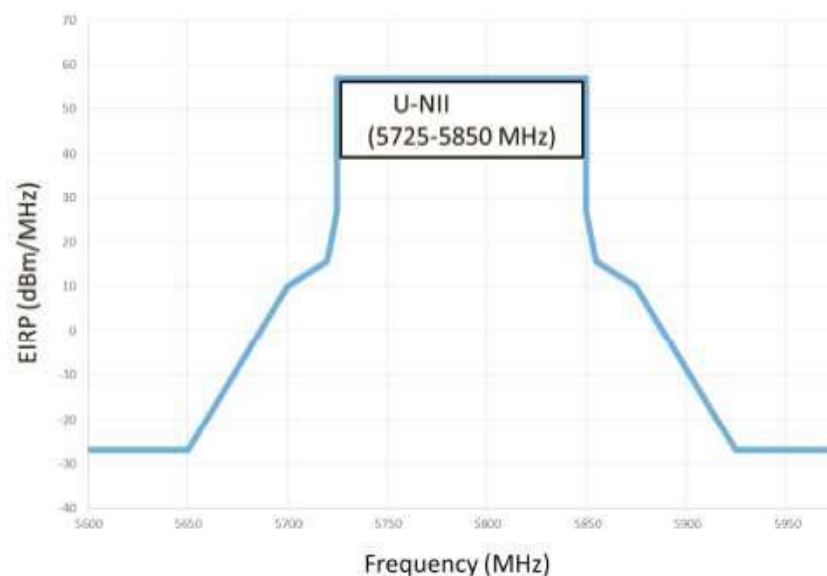


圖 1

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

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

(3)天線之規定

天線規格不受第 2.2 節規定之限制。

(4)天線增益之要求

低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.3 節及 4.7.3 節之規定如下：

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

- (A) 進行固定式點對點操作時，其發射天線之方向性增益超過6 dBi，每超過3 dBi，最大傳導輸出功率限制值應降低1 dB。
- (B) 天線以多向波束發射方式(含同時發射或循序發射)將訊號導向多個接收機或接收機群組時，應符合下列規定：
 - (a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合 3.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過6 dBi，每超過3 dBi，總和傳導輸出功率限制值應降低1 dB。方向性增益值應計算如下：
 - (i) 方向性增益值= 10log(天線陣列之單元數目)+各單元中最高之方向性增益值。
 - (ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。
 - (b) 同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加8 dB。方向性增益值計算同(a)。
 - (c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

除(A)及(B)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率限制值。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

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

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

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

(IV) 操作於 5.725 GHz~5.850 GHz 頻段：

- (A) 供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功

率限制值。

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

(5) 6dB 頻寬之要求

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

對使用數位調變技術(digital modulation techniques)系統之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.6 節之規定，6dB 頻寬至少應有 500kHz。

(II) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.5 節之規定，其 6dB 頻寬至少應有 500kHz。

(6) 傳導輸出功率之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.2 節之規定：

數位調變技術系統：1 W(含)以下。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.1 節之要求：

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

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

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

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.3.2節之規定，最大傳導輸出功率應小於或等於250 mW或11dBm+10log B (B是26 dB發射頻寬，單位MHz)之較小者。

(IV) 操作於 5.725 GHz~5.850 GHz 頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.3 節之規定，最大傳導輸出功率應小於或等於 1 W。

(7) 功率頻譜密度之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.6 節之規定，在使用頻率範圍之任一 3 kHz 頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於 8 毫分貝(dBm)，且應依 3.10.1.3 之方式降低功率頻譜密度限制值。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.1 節之要求：

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

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

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

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.3.2節之規定，最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(IV) 操作於5.725 GHz~5.850 GHz頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.3 節之規定，在任何 500 kHz 頻帶中最大功率頻譜密度應小於或等於 30 dBm。

(8) 發射功率控制(TPC)及動態頻率選擇(DFS)之要求

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.7.1及4.7.7.2節之規定。

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

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

(1) 最低動態頻率選擇的偵測門檻

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

(2) 操作模式：動態頻率選擇之規定適用於以下之操作模式：

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

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

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

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

(9)無線資訊傳輸設備必須擁有安全功能之要求：

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.7.3節之規定，無線資訊傳輸設備必須擁有安全功能，以保護未經授權之一方更改軟體。製造商應提出符合本節規定之相關證明文件或符合性聲明。

(10) 依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.7.4 節之規定，製造商必須在操作於 U-NII 頻段上之數位調變系統中提供安全功能，使第三方團體無法重寫程式，使其操作於非經認證之設定。該軟體必須避免發射機操作於非經認證之頻率、輸出功率、調變形式或其他射頻參數。製造商可使用私有網路，只有經授權的用戶能下載軟體、進行軟體式電子簽章或硬體式的韌體更新，新的軟體可以被合法的載入到設備中，同時又能符合上述事項，並於應用程式中描述設備授權的方法。

(11) 依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.7.5 節之規定，製造商必須確保 DFS 功能無法被無線資訊傳輸設備之操作者取消。

(12)電波暴露量之評估

依據國家通訊傳播委員會低功率射頻電機技術規範 5.20.2 節之規定，若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符合電波暴露量之要求。

限制值如下：

(1) 職業性/可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

(2) 一般人/不可控制之暴露

頻率範圍 (MHz)	電場強度 (V/m)	磁場強度 (A/m)	功率密度 (mW/cm ²)	平均時間 (minutes)
0.3 - 3.0	614	1.63	*100	30
3 - 30	1842/f	4.89/f	*180/f ²	30
30 - 300	27.5	0.073	1.0	30
300 - 1,500	---	---	f/1500	30
1,500 - 100,000	---	---	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

3.2 限制使用之頻帶

除本規範另有規定外，任何低功率射頻電機之主波皆不得使用下表所列各頻段之頻率；低功率射頻電機落於下表所列頻段之混附發射，其電場強度必須符合 2.8 之限制規定。

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

2.4 GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告 3.1 節第 2 項(I)的規定。

4.2 量測方法

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

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

4.3 量測儀器

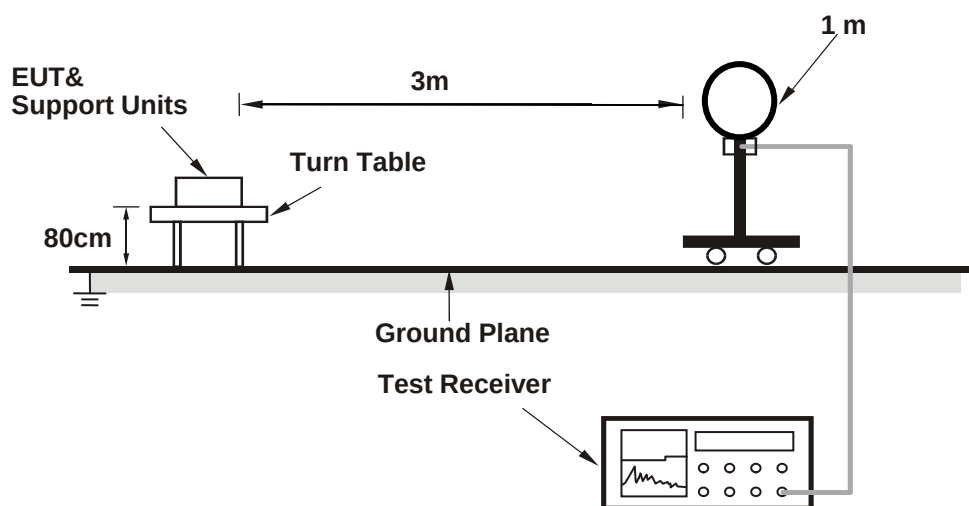
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
HP Preamplifier	8447D	2432A03504	Feb. 21, 2017	Feb. 20, 2018
HP Preamplifier	8449B	3008A01201	Feb. 22, 2017	Feb. 21, 2018
MITEQ Preamplifier	AMF-6F-260400-33-8P	892164	Feb. 21, 2017	Feb. 20, 2018
Agilent TEST RECEIVER	N9038A	MY51210129	Feb. 08, 2017	Feb. 07, 2018
Schwarzbeck Antenna	VULB 9168	139	Dec. 13, 2016	Dec. 12, 2017
Schwarzbeck Horn Antenna	BBHA-9170	212	Dec. 30, 2016	Dec. 29, 2017
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Dec. 27, 2016	Dec. 26, 2017
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	Radiated_V7.6.15.9.5	NA	NA	NA
SUHNER RF cable With 4dB PAD	SF104	CABLE-CH6	Aug. 15, 2016	Aug. 14, 2017
			Aug. 14, 2017	Aug. 13, 2018
SUHNER RF cable With 3dB PAD	SF102	Cable-CH8-3.6m	Aug. 15, 2016	Aug. 14, 2017
			Aug. 14, 2017	Aug. 13, 2018
KEYSIGHT MIMO Powermeasurement Test set	U2021XA	U2021XA-001	May 25, 2016	May 24, 2017
			May 31, 2017	May 30, 2018
KEYSIGHT Spectrum Analyzer	N9030A	MY54490260	Jul. 26, 2016	Jul. 25, 2017
			Jul. 26, 2017	Jul. 25, 2018
Loop Antenna TESEQ	HLA 6121	45745	May 20, 2016	May 19, 2017
			May 19, 2017	May 18, 2018
EMCO Horn Antenna	3115	00028257	Dec. 15, 2016	Dec. 14, 2017
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	NA	NA
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 30, 2016	Sep. 29, 2017
Anritsu Power Sensor	MA2411B	0738404	Apr. 24, 2017	Apr. 23, 2018
Anritsu Power Meter	ML2495A	0842014	Apr. 24, 2017	Apr. 23, 2018

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

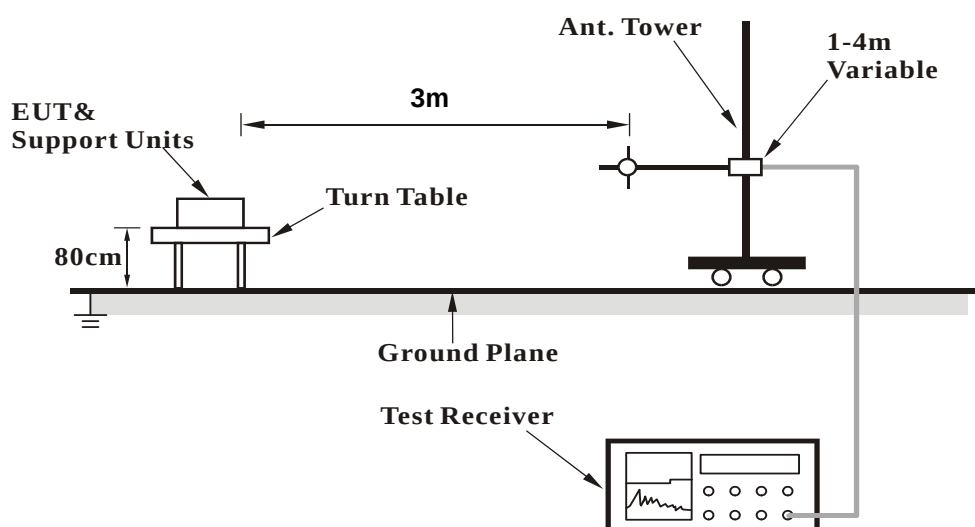
MEASUREMENT	FREQUENCY	UNCERTAINTY
Radiated emissions	9kHz ~ 30MHz	±2.38 dB
	30MHz ~ 1GHz	±5.54 dB
	Above 1GHz	±5.48 dB

4.4 測試配置

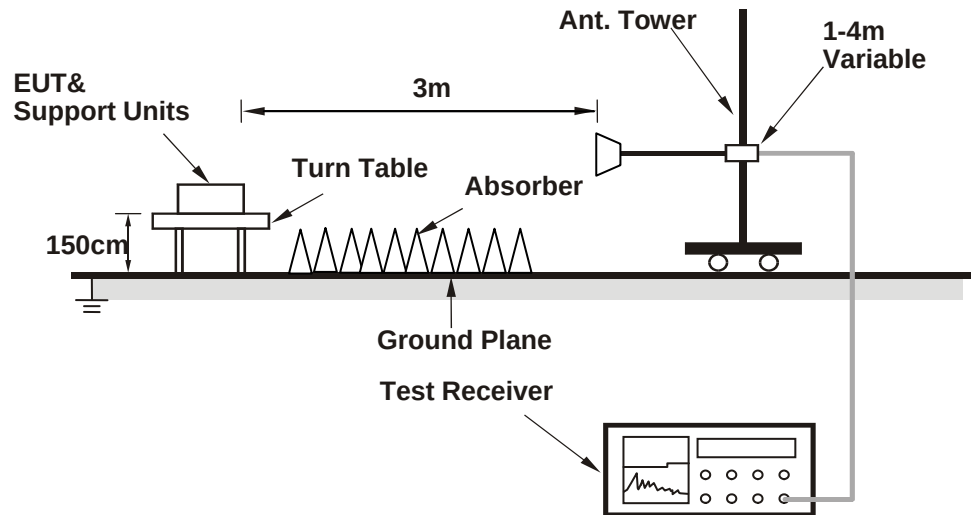
<Frequency Range 9kHz ~ 30MHz>



<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

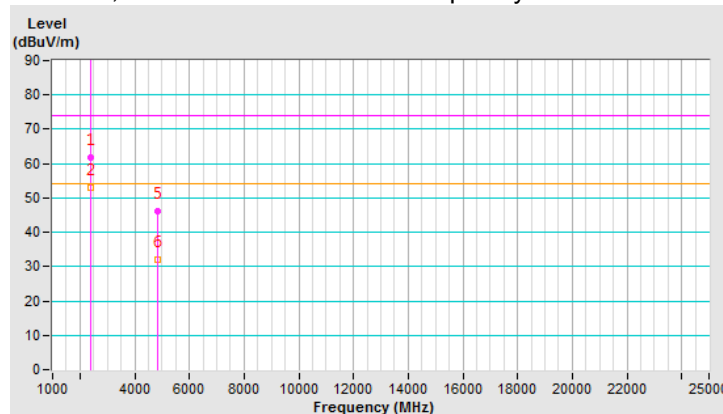
CDD Mode: 802.11b

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：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	61.70 PK	74.00	-12.30	2.05 H	290	62.29	-0.59
2	2390.00	53.02 AV	54.00	-0.98	2.05 H	290	53.61	-0.59
3	*2412.00	114.75 PK			2.05 H	290	115.20	-0.45
4	*2412.00	111.05 AV			2.05 H	290	111.50	-0.45
5	4824.00	46.29 PK	74.00	-27.71	1.46 H	123	39.37	6.92
6	4824.00	32.05 AV	54.00	-21.95	1.46 H	123	25.13	6.92
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.

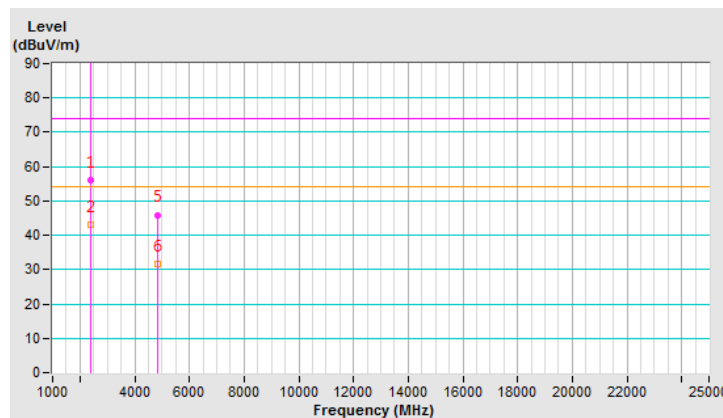


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	55.97 PK	74.00	-18.03	1.63 V	269	56.56	-0.59
2	2390.00	43.19 AV	54.00	-10.81	1.63 V	269	43.78	-0.59
3	*2412.00	113.18 PK			1.63 V	269	113.63	-0.45
4	*2412.00	109.49 AV			1.63 V	269	109.94	-0.45
5	4824.00	45.94 PK	74.00	-28.06	1.62 V	205	39.02	6.92
6	4824.00	31.78 AV	54.00	-22.22	1.62 V	205	24.86	6.92
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.

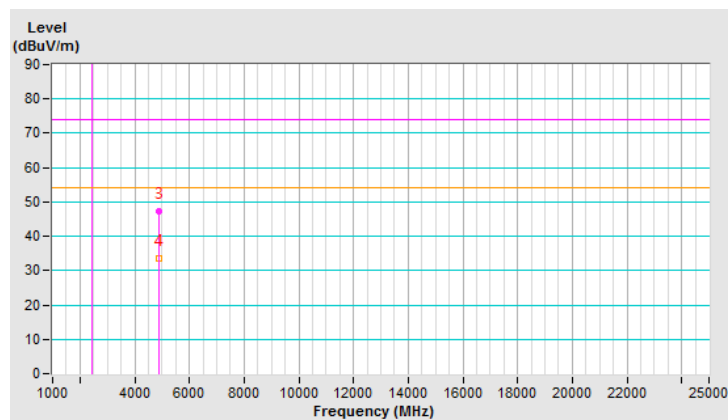


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	115.19 PK			1.84 H	284	115.48	-0.29
2	*2437.00	111.43 AV			1.84 H	284	111.72	-0.29
3	4874.00	47.37 PK	74.00	-26.63	1.69 H	215	40.36	7.01
4	4874.00	33.52 AV	54.00	-20.48	1.69 H	215	26.51	7.01
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.

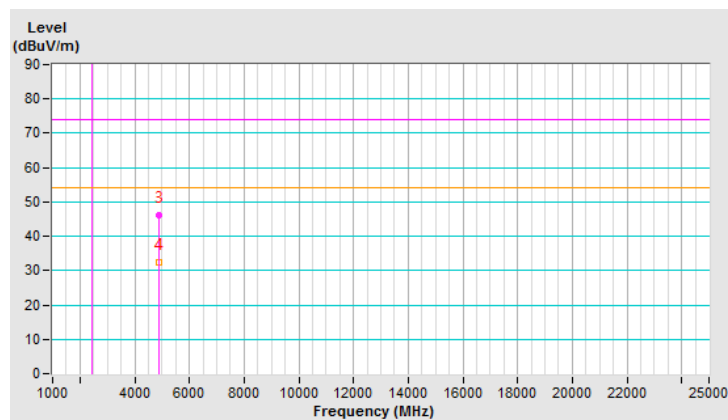


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	113.25 PK			1.69 V	260	113.54	-0.29
2	*2437.00	109.57 AV			1.69 V	260	109.86	-0.29
3	4874.00	46.27 PK	74.00	-27.73	1.84 V	145	39.26	7.01
4	4874.00	32.32 AV	54.00	-21.68	1.84 V	145	25.31	7.01
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.

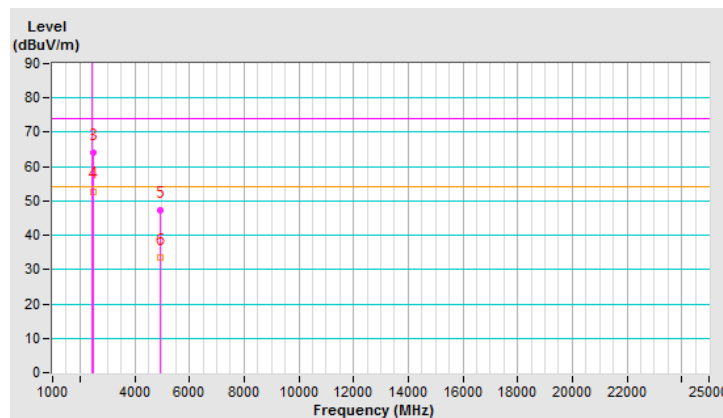


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	115.38 PK			2.06 H	286	115.52	-0.14
2	*2462.00	111.34 AV			2.06 H	286	111.48	-0.14
3	2483.50	63.95 PK	74.00	-10.05	2.06 H	286	63.95	0.00
4	2483.50	52.81 AV	54.00	-1.19	2.06 H	286	52.81	0.00
5	4924.00	47.29 PK	74.00	-26.71	1.52 H	208	40.16	7.13
6	4924.00	33.45 AV	54.00	-20.55	1.52 H	208	26.32	7.13
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.

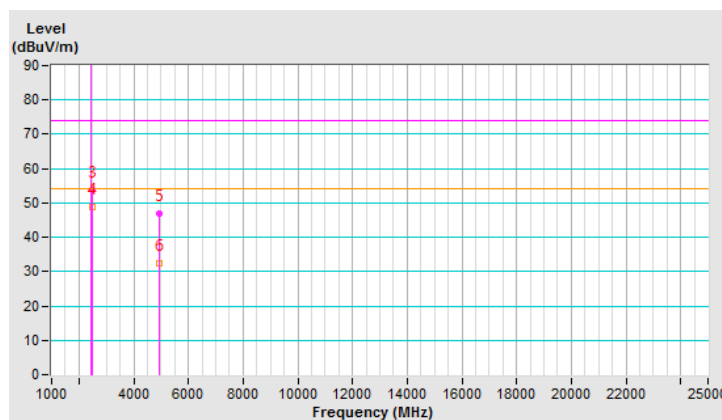


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	113.12 PK			1.69 V	271	113.26	-0.14
2	*2462.00	109.51 AV			1.69 V	271	109.65	-0.14
3	2483.50	53.63 PK	74.00	-20.37	1.69 V	271	53.63	0.00
4	2483.50	48.96 AV	54.00	-5.04	1.69 V	271	48.96	0.00
5	4924.00	46.76 PK	74.00	-27.24	1.57 V	184	39.63	7.13
6	4924.00	32.56 AV	54.00	-21.44	1.57 V	184	25.43	7.13
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.



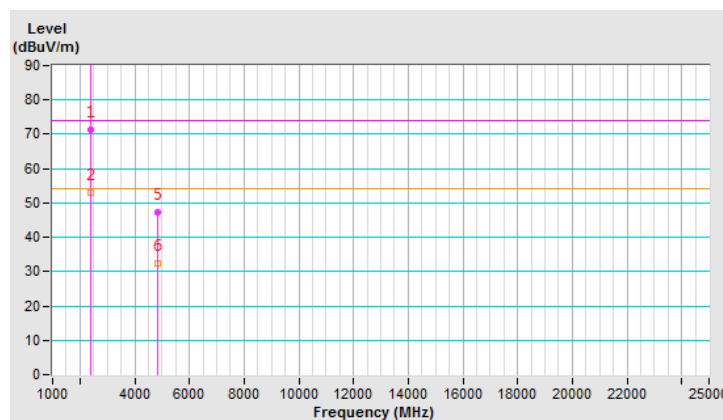
802.11g

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=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	71.15 PK	74.00	-2.85	2.07 H	286	71.74	-0.59
2	2390.00	52.90 AV	54.00	-1.10	2.07 H	286	53.49	-0.59
3	*2412.00	116.03 PK			2.07 H	286	116.48	-0.45
4	*2412.00	105.39 AV			2.07 H	286	105.84	-0.45
5	4824.00	47.43 PK	74.00	-26.57	1.82 H	236	40.51	6.92
6	4824.00	32.55 AV	54.00	-21.45	1.82 H	236	25.63	6.92
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.

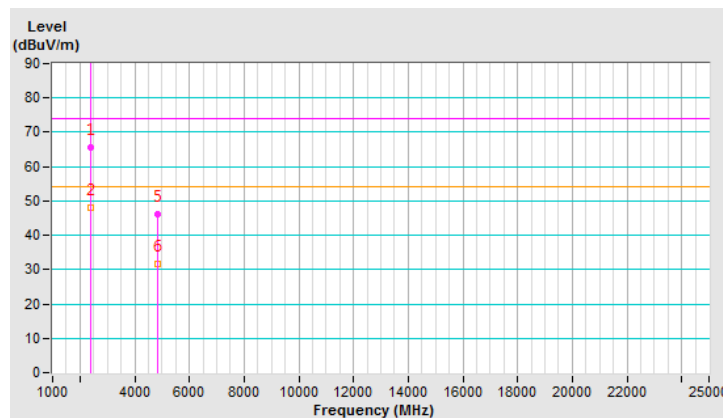


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	65.72 PK	74.00	-8.28	1.83 V	263	66.31	-0.59
2	2390.00	47.89 AV	54.00	-6.11	1.83 V	263	48.48	-0.59
3	*2412.00	113.95 PK			1.83 V	263	114.40	-0.45
4	*2412.00	103.14 AV			1.83 V	263	103.59	-0.45
5	4824.00	46.26 PK	74.00	-27.74	1.26 V	236	39.34	6.92
6	4824.00	31.61 AV	54.00	-22.39	1.26 V	236	24.69	6.92
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.

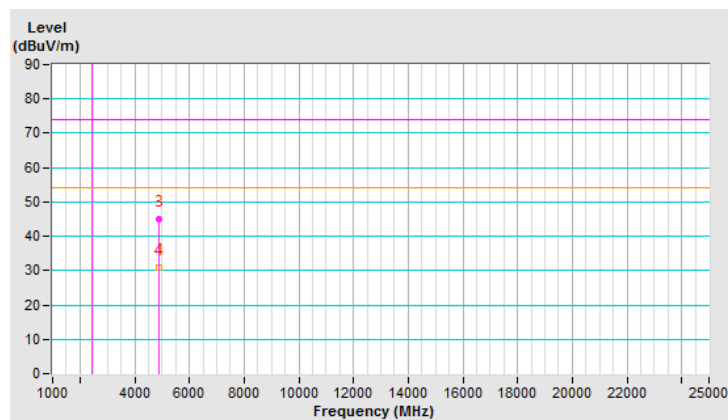


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	34°C	量測場地濕度：	67%RH
測試日期：	106 年 8 月 24 日	測試者：	張君煌

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	121.21 PK			2.01 H	87	123.22	-2.01
2	*2437.00	109.81 AV			2.01 H	87	111.82	-2.01
3	4874.00	44.92 PK	74.00	-29.08	1.67 H	205	40.67	4.25
4	4874.00	30.89 AV	54.00	-23.11	1.67 H	205	26.64	4.25
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.

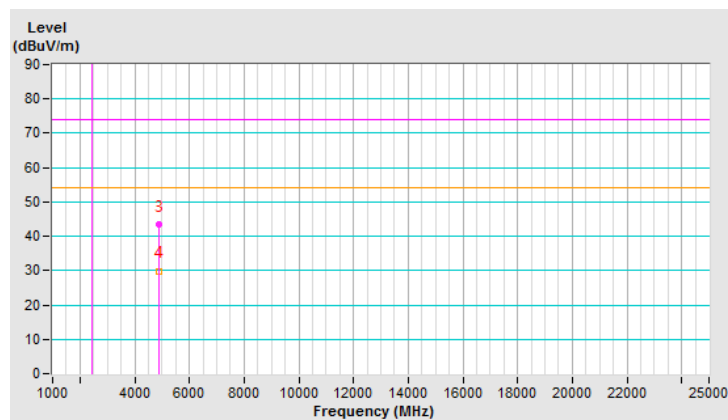


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	34°C	量測場地濕度：	67%RH
測試日期：	106 年 8 月 24 日	測試者：	張君煌

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	119.33 PK			2.16 V	92	121.34	-2.01
2	*2437.00	107.64 AV			2.16 V	92	109.65	-2.01
3	4874.00	43.61 PK	74.00	-30.39	1.85 V	237	39.36	4.25
4	4874.00	29.92 AV	54.00	-24.08	1.85 V	237	25.67	4.25
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.

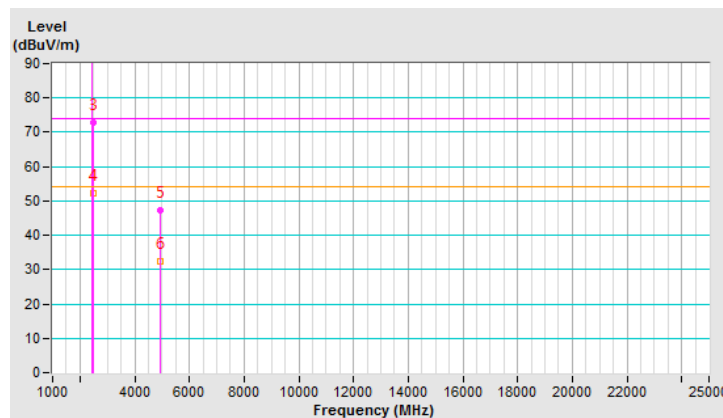


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	117.14 PK			2.01 H	289	117.28	-0.14
2	*2462.00	106.41 AV			2.01 H	289	106.55	-0.14
3	2483.50	72.91 PK	74.00	-1.09	2.01 H	289	72.91	0.00
4	2483.50	52.36 AV	54.00	-1.64	2.01 H	289	52.36	0.00
5	4924.00	47.29 PK	74.00	-26.71	1.81 H	241	40.16	7.13
6	4924.00	32.49 AV	54.00	-21.51	1.81 H	241	25.36	7.13
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.

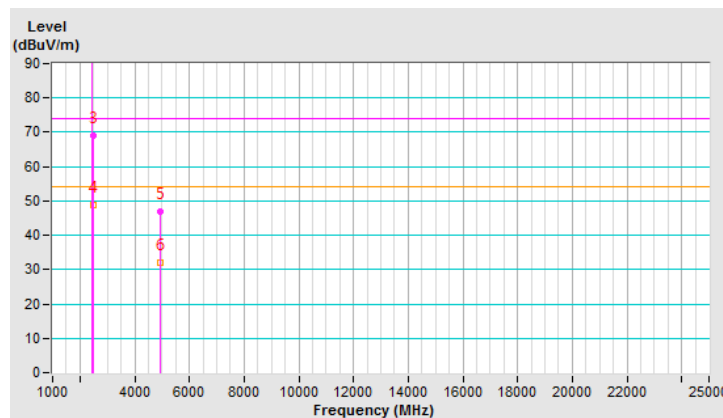


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	115.32 PK			1.69 V	277	115.46	-0.14
2	*2462.00	104.70 AV			1.69 V	277	104.84	-0.14
3	2483.50	68.96 PK	74.00	-5.04	1.69 V	277	68.96	0.00
4	2483.50	48.96 AV	54.00	-5.04	1.69 V	277	48.96	0.00
5	4924.00	46.77 PK	74.00	-27.23	1.63 V	144	39.64	7.13
6	4924.00	32.01 AV	54.00	-21.99	1.63 V	144	24.88	7.13
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



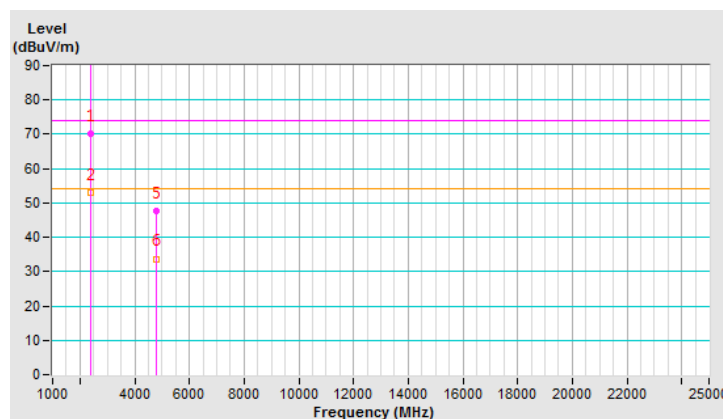
802.11n (20MHz)

操作模式：	發射	調變技術：	OFDM
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：	24℃	量測場地濕度：	70%RH
測試日期：	106 年 5 月 10 日	測試者：	張君煌

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	70.25 PK	74.00	-3.75	2.05 H	281	70.84	-0.59
2	2390.00	53.02 AV	54.00	-0.98	2.05 H	281	53.61	-0.59
3	*2412.00	116.74 PK			2.05 H	281	117.19	-0.45
4	*2412.00	104.27 AV			2.05 H	281	104.72	-0.45
5	4804.00	47.52 PK	74.00	-26.48	1.64 H	251	40.64	6.88
6	4804.00	33.73 AV	54.00	-20.27	1.64 H	251	26.85	6.88
7	4824.00	-	-	-	-	-	-	-
8	#7236.00	-	-	-	-	-	-	-
9	#9648.00	-	-	-	-	-	-	-
10	12060.00	-	-	-	-	-	-	-
11	14472.00	-	-	-	-	-	-	-
12	#16884.00	-	-	-	-	-	-	-
13	19296.00	-	-	-	-	-	-	-
14	#21708.00	-	-	-	-	-	-	-
15	#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.

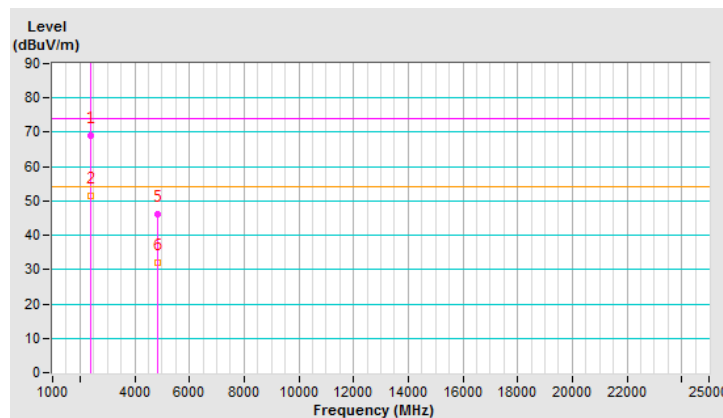


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 5 月 10 日	測試者：	張君煌

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	69.08 PK	74.00	-4.92	1.82 V	263	69.67	-0.59
2	2390.00	51.63 AV	54.00	-2.37	1.82 V	263	52.22	-0.59
3	*2412.00	114.06 PK			1.82 V	263	114.51	-0.45
4	*2412.00	102.07 AV			1.82 V	263	102.52	-0.45
5	4824.00	46.27 PK	74.00	-27.73	1.52 V	134	39.35	6.92
6	4824.00	32.13 AV	54.00	-21.87	1.52 V	134	25.21	6.92
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.

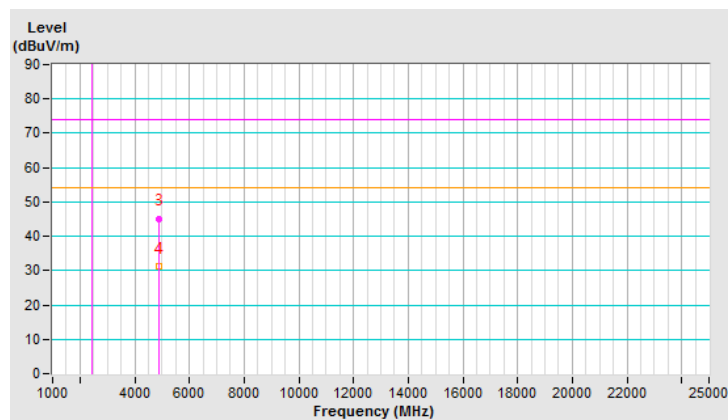


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	34°C	量測場地濕度：	67%RH
測試日期：	106 年 8 月 24 日	測試者：	張君煌

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	121.31 PK			1.53 H	87	123.32	-2.01
2	*2437.00	108.30 AV			1.53 H	87	110.31	-2.01
3	4874.00	45.19 PK	74.00	-28.81	1.84 H	205	40.94	4.25
4	4874.00	31.10 AV	54.00	-22.90	1.84 H	205	26.85	4.25
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.

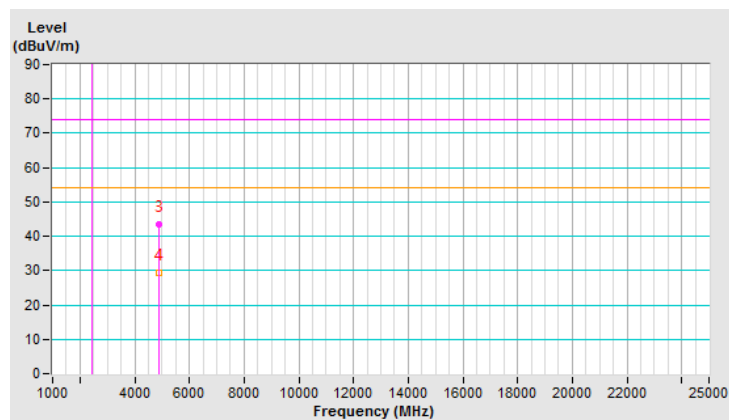


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	34°C	量測場地濕度：	67%RH
測試日期：	106 年 8 月 24 日	測試者：	張君煌

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	119.27 PK			1.92 V	97	121.28	-2.01
2	*2437.00	106.66 AV			1.92 V	97	108.67	-2.01
3	4874.00	43.54 PK	74.00	-30.46	1.67 V	228	39.29	4.25
4	4874.00	29.43 AV	54.00	-24.57	1.67 V	228	25.18	4.25
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.

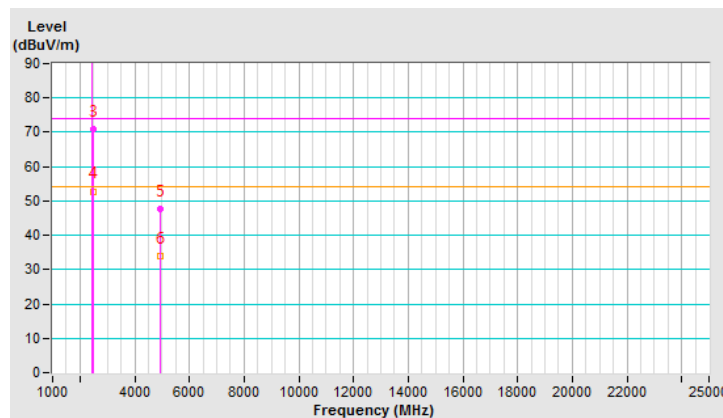


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 5 月 10 日	測試者：	張君煌

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	117.12 PK			2.15 H	280	117.26	-0.14
2	*2462.00	104.93 AV			2.15 H	280	105.07	-0.14
3	2483.50	70.81 PK	74.00	-3.19	2.15 H	280	70.81	0.00
4	2483.50	52.79 AV	54.00	-1.21	2.15 H	280	52.79	0.00
5	4924.00	47.70 PK	74.00	-26.30	2.15 H	280	40.57	7.13
6	4924.00	33.97 AV	54.00	-20.03	2.15 H	280	26.84	7.13
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.

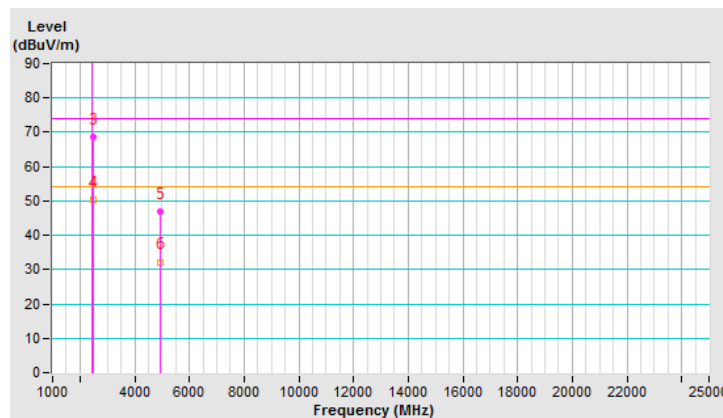


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 5 月 10 日	測試者：	張君煌

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	115.20 PK			1.78 V	265	115.34	-0.14
2	*2462.00	103.55 AV			1.78 V	265	103.69	-0.14
3	2483.50	68.64 PK	74.00	-5.36	1.78 V	265	68.64	0.00
4	2483.50	50.25 AV	54.00	-3.75	1.78 V	265	50.25	0.00
5	4924.00	46.77 PK	74.00	-27.23	1.88 V	206	39.64	7.13
6	4924.00	32.21 AV	54.00	-21.79	1.88 V	206	25.08	7.13
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



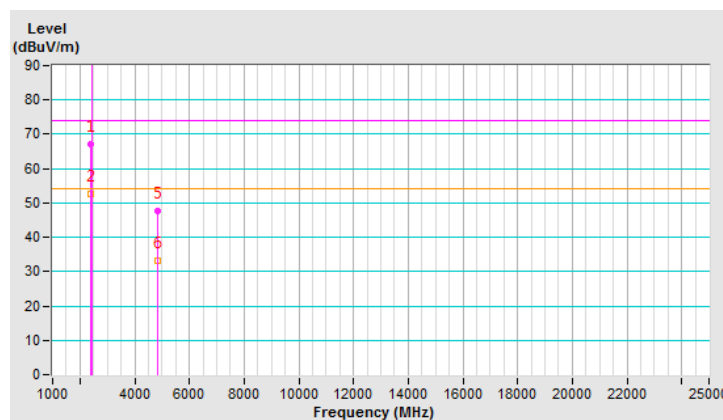
802.11n (40MHz)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	24℃	量測場地濕度：	70%RH
測試日期：	106 年 5 月 10 日	測試者：	張君煌

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	67.21 PK	74.00	-6.79	1.90 H	282	67.80	-0.59
2	2390.00	52.70 AV	54.00	-1.30	1.90 H	282	53.29	-0.59
3	*2422.00	111.81 PK			1.90 H	282	112.20	-0.39
4	*2422.00	101.70 AV			1.90 H	282	102.09	-0.39
5	4844.00	47.78 PK	74.00	-26.22	1.18 H	298	40.82	6.96
6	4844.00	33.22 AV	54.00	-20.78	1.18 H	298	26.26	6.96
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.

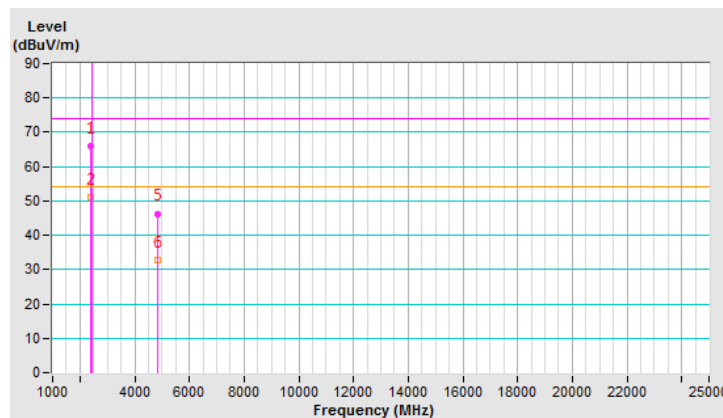


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 5 月 10 日	測試者：	張君煌

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	65.93 PK	74.00	-8.07	1.65 V	265	66.52	-0.59
2	2390.00	51.18 AV	54.00	-2.82	1.65 V	265	51.77	-0.59
3	*2422.00	109.05 PK			1.65 V	265	109.44	-0.39
4	*2422.00	99.11 AV			1.65 V	265	99.50	-0.39
5	4844.00	46.31 PK	74.00	-27.69	1.59 V	193	39.35	6.96
6	4844.00	32.61 AV	54.00	-21.39	1.59 V	193	25.65	6.96
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.

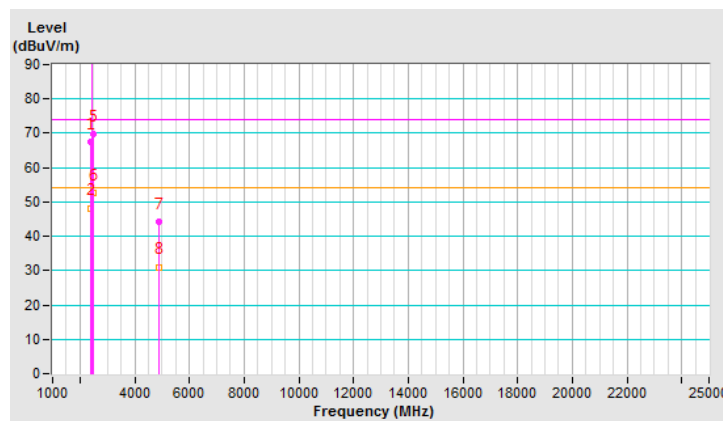


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	34°C	量測場地濕度：	67%RH
測試日期：	106 年 8 月 24 日	測試者：	張君煌

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	67.36 PK	74.00	-6.64	2.04 H	88	69.67	-2.31
2	2390.00	48.23 AV	54.00	-5.77	2.04 H	88	50.54	-2.31
3	*2437.00	113.10 PK			2.04 H	88	115.11	-2.01
4	*2437.00	103.44 AV			2.04 H	88	105.45	-2.01
5	2483.50	69.85 PK	74.00	-4.15	2.04 H	88	71.56	-1.71
6	2483.50	52.77 AV	54.00	-1.23	2.04 H	88	54.48	-1.71
7	4874.00	44.27 PK	74.00	-29.73	1.27 H	236	40.02	4.25
8	4874.00	31.06 AV	54.00	-22.94	1.27 H	236	26.81	4.25
9	7311.00	-	-	-	-	-	-	-
10	#9748.00	-	-	-	-	-	-	-
11	12185.00	-	-	-	-	-	-	-
12	#14622.00	-	-	-	-	-	-	-
13	#17059.00	-	-	-	-	-	-	-
14	19496.00	-	-	-	-	-	-	-
15	#21933.00	-	-	-	-	-	-	-
16	#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.

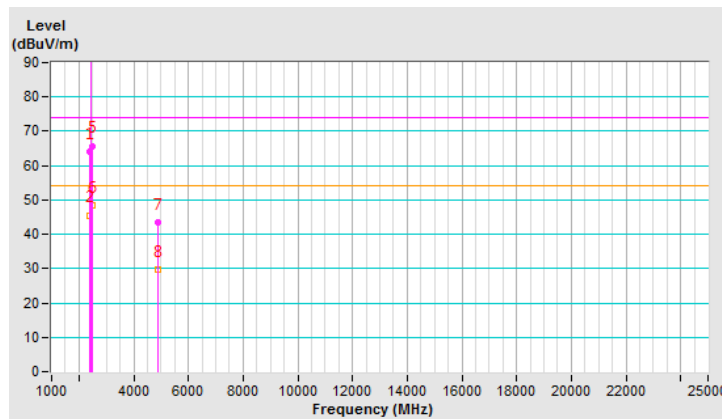


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	34°C	量測場地濕度：	67%RH
測試日期：	106 年 8 月 24 日	測試者：	張君煌

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	63.94 PK	74.00	-10.06	1.50 V	88	66.25	-2.31
2	2390.00	45.53 AV	54.00	-8.47	1.50 V	88	47.84	-2.31
3	*2437.00	111.23 PK			1.50 V	88	113.24	-2.01
4	*2437.00	100.68 AV			1.50 V	88	102.69	-2.01
5	2483.50	65.78 PK	74.00	-8.22	1.50 V	88	67.49	-1.71
6	2483.50	48.55 AV	54.00	-5.45	1.50 V	88	50.26	-1.71
7	4874.00	43.53 PK	74.00	-30.47	1.99 V	264	39.28	4.25
8	4874.00	29.59 AV	54.00	-24.41	1.99 V	264	25.34	4.25
9	7311.00	-	-	-	-	-	-	-
10	#9748.00	-	-	-	-	-	-	-
11	12185.00	-	-	-	-	-	-	-
12	#14622.00	-	-	-	-	-	-	-
13	#17059.00	-	-	-	-	-	-	-
14	19496.00	-	-	-	-	-	-	-
15	#21933.00	-	-	-	-	-	-	-
16	#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.

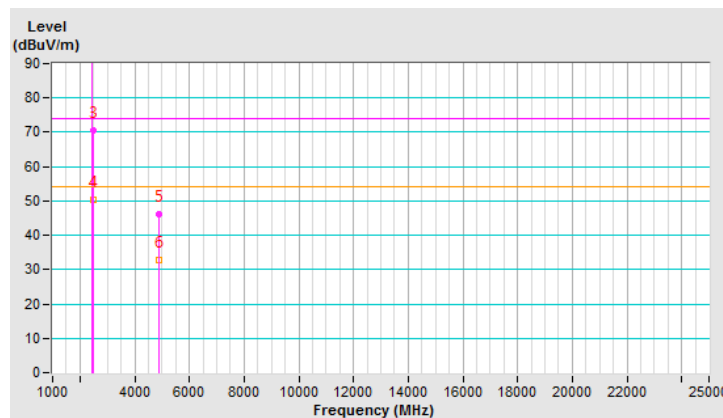


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 5 月 10 日	測試者：	張君煌

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	110.44 PK			1.69 V	266	110.63	-0.19
2	*2452.00	100.39 AV			1.69 V	266	100.58	-0.19
3	2483.50	70.58 PK	74.00	-3.42	1.69 V	266	70.58	0.00
4	2483.50	50.16 AV	54.00	-3.84	1.69 V	266	50.16	0.00
5	4904.00	46.28 PK	74.00	-27.72	2.01 V	269	39.21	7.07
6	4904.00	32.91 AV	54.00	-21.09	2.01 V	269	25.84	7.07
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.



Beamforming_NSS1 Mode: 802.11n (20MHz)

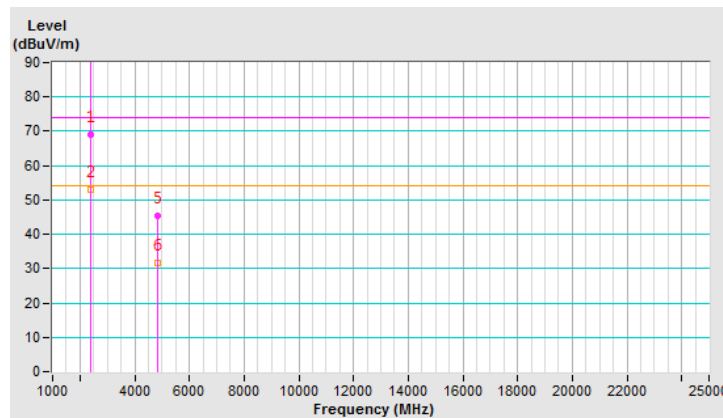
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	69.10 PK	74.00	-4.90	2.13 H	4	71.00	-1.90
2	2390.00	52.98 AV	54.00	-1.02	2.13 H	4	54.88	-1.90
3	*2412.00	115.16 PK			2.13 H	4	116.92	-1.76
4	*2412.00	107.48 AV			2.13 H	4	109.24	-1.76
5	4824.00	45.49 PK	74.00	-28.51	2.16 H	154	40.32	5.17
6	4824.00	31.49 AV	54.00	-22.51	2.16 H	154	26.32	5.17
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.

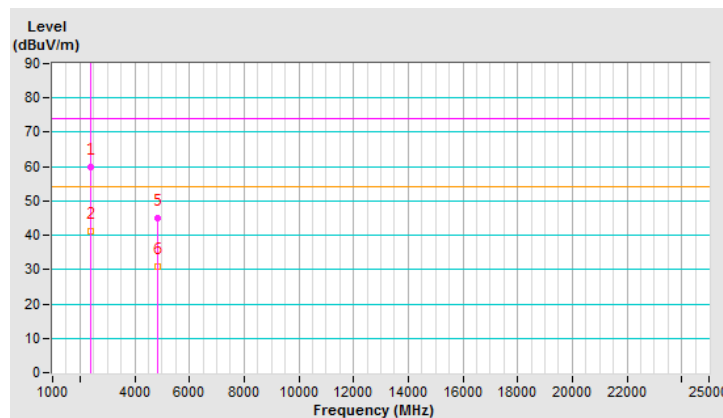


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	59.79 PK	74.00	-14.21	2.67 V	8	61.69	-1.90
2	2390.00	41.24 AV	54.00	-12.76	2.67 V	8	43.14	-1.90
3	*2412.00	110.57 PK			2.67 V	8	112.33	-1.76
4	*2412.00	101.28 AV			2.67 V	8	103.04	-1.76
5	4824.00	44.86 PK	74.00	-29.14	1.76 V	2	39.69	5.17
6	4824.00	31.01 AV	54.00	-22.99	1.76 V	2	25.84	5.17
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.

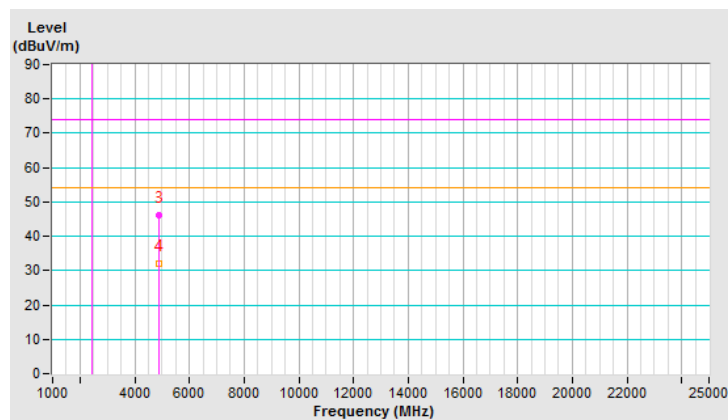


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	117.29 PK			1.79 H	3	118.90	-1.61
2	*2437.00	108.35 AV			1.79 H	3	109.96	-1.61
3	4874.00	46.06 PK	74.00	-27.94	1.52 H	33	40.85	5.21
4	4874.00	32.03 AV	54.00	-21.97	1.52 H	33	26.82	5.21
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.

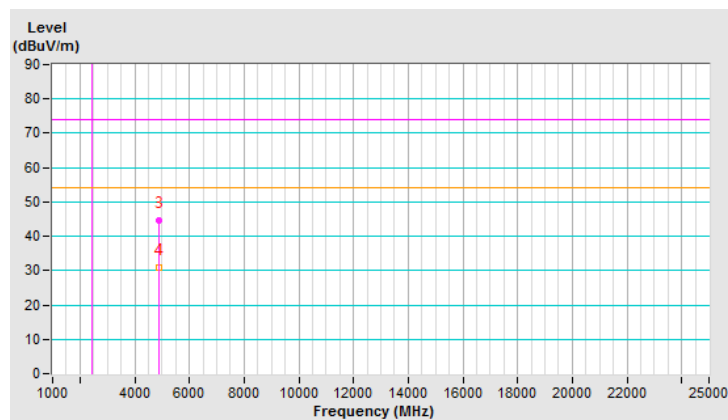


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	113.24 PK			2.23 V	4	114.85	-1.61
2	*2437.00	103.65 AV			2.23 V	4	105.26	-1.61
3	4874.00	44.55 PK	74.00	-29.45	1.88 V	194	39.34	5.21
4	4874.00	31.02 AV	54.00	-22.98	1.88 V	194	25.81	5.21
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.

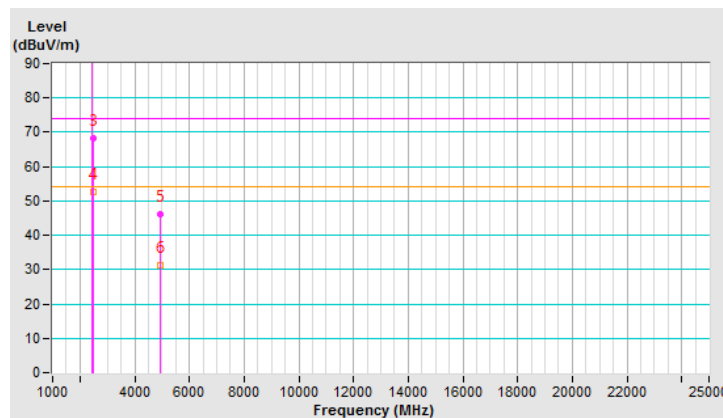


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	117.27 PK			1.78 H	10	118.73	-1.46
2	*2462.00	107.26 AV			1.78 H	10	108.72	-1.46
3	2483.50	68.22 PK	74.00	-5.78	1.78 H	10	69.55	-1.33
4	2483.50	52.71 AV	54.00	-1.29	1.78 H	10	54.04	-1.33
5	4924.00	46.11 PK	74.00	-27.89	1.69 H	20	40.81	5.30
6	4924.00	31.38 AV	54.00	-22.62	1.69 H	20	26.08	5.30
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.

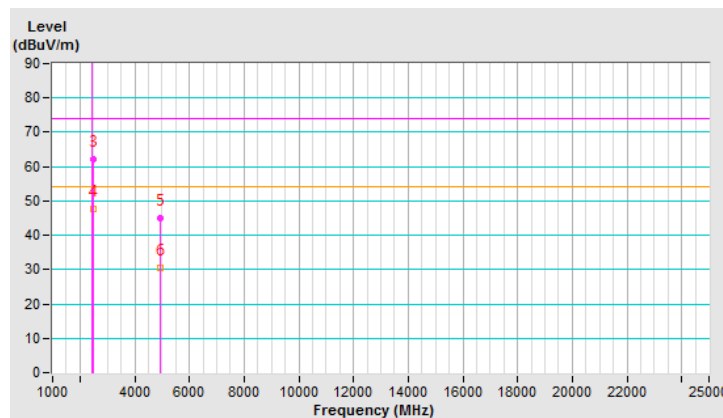


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	113.19 PK			2.37 V	9	114.65	-1.46
2	*2462.00	103.42 AV			2.37 V	9	104.88	-1.46
3	2483.50	62.03 PK	74.00	-11.97	2.37 V	9	63.36	-1.33
4	2483.50	47.65 AV	54.00	-6.35	2.37 V	9	48.98	-1.33
5	4924.00	44.99 PK	74.00	-29.01	2.15 V	11	39.69	5.30
6	4924.00	30.64 AV	54.00	-23.36	2.15 V	11	25.34	5.30
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



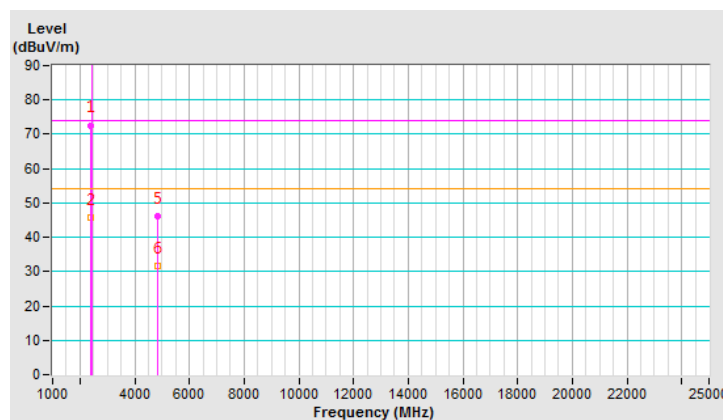
802.11n (40MHz)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	72.63 PK	74.00	-1.37	1.80 H	0	74.53	-1.90
2	2390.00	45.58 AV	54.00	-8.42	1.80 H	0	47.48	-1.90
3	*2422.00	114.98 PK			1.80 H	0	116.69	-1.71
4	*2422.00	107.94 AV			1.80 H	0	109.65	-1.71
5	4844.00	46.03 PK	74.00	-27.97	1.69 H	225	40.84	5.19
6	4844.00	31.57 AV	54.00	-22.43	1.69 H	225	26.38	5.19
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.

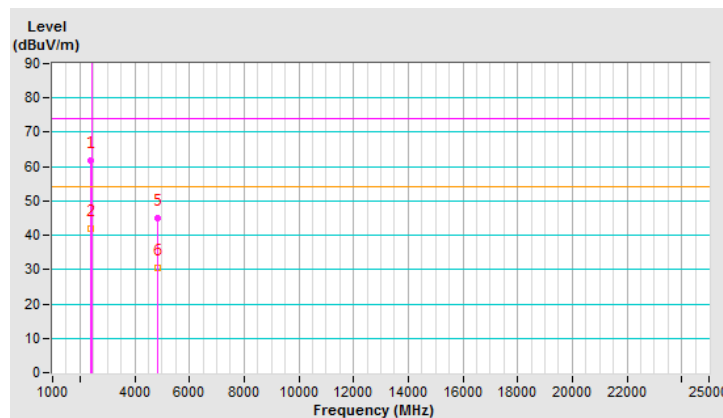


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	61.77 PK	74.00	-12.23	1.70 V	345	63.67	-1.90
2	2390.00	41.94 AV	54.00	-12.06	1.70 V	345	43.84	-1.90
3	*2422.00	110.27 PK			1.70 V	345	111.98	-1.71
4	*2422.00	103.73 AV			1.70 V	345	105.44	-1.71
5	4844.00	44.83 PK	74.00	-29.17	2.14 V	157	39.64	5.19
6	4844.00	30.50 AV	54.00	-23.50	2.14 V	157	25.31	5.19
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.

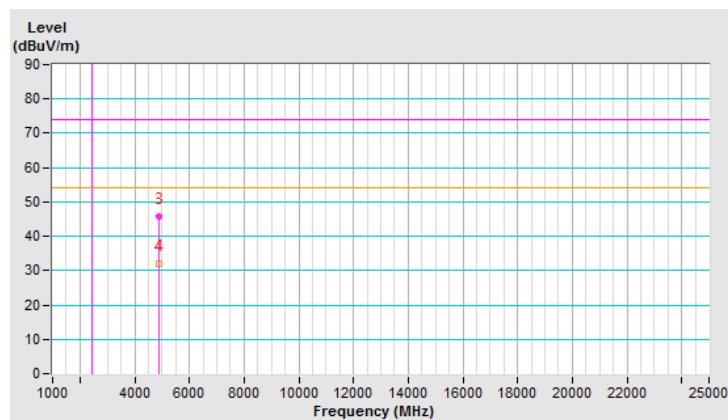


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	113.42 PK			2.09 H	0	115.03	-1.61
2	*2437.00	110.10 AV			2.09 H	0	111.71	-1.61
3	4874.00	45.78 PK	74.00	-28.22	1.99 H	228	40.57	5.21
4	4874.00	31.85 AV	54.00	-22.15	1.99 H	228	26.64	5.21
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.

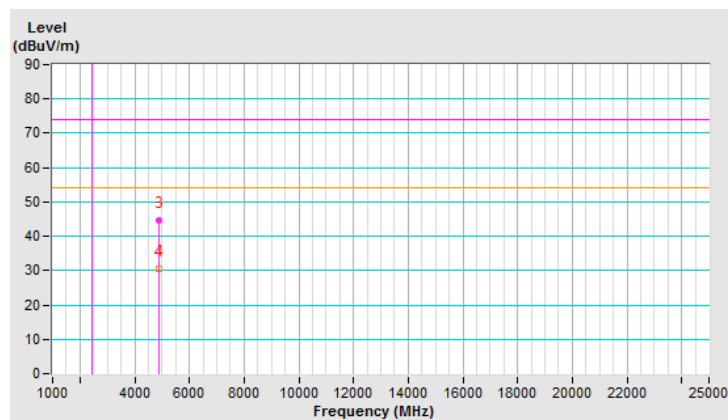


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	109.42 PK			1.62 V	13	111.03	-1.61
2	*2437.00	106.23 AV			1.62 V	13	107.84	-1.61
3	4874.00	44.44 PK	74.00	-29.56	2.06 V	141	39.23	5.21
4	4874.00	30.34 AV	54.00	-23.66	2.06 V	141	25.13	5.21
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.

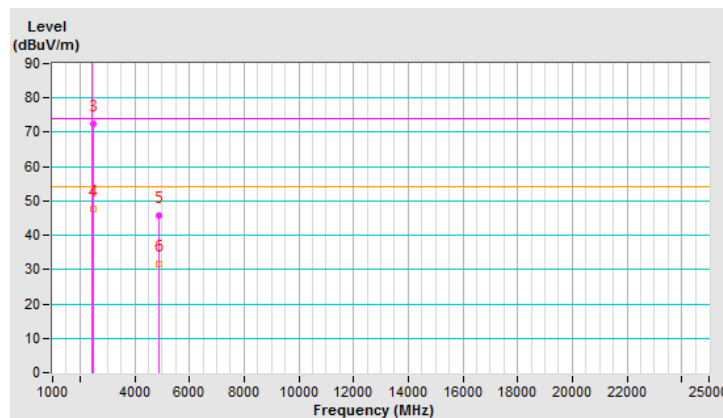


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	114.27 PK			1.77 H	13	115.78	-1.51
2	*2452.00	110.22 AV			1.77 H	13	111.73	-1.51
3	2483.50	72.52 PK	74.00	-1.48	1.77 H	13	73.85	-1.33
4	2483.50	47.50 AV	54.00	-6.50	1.77 H	13	48.83	-1.33
5	4904.00	45.58 PK	74.00	-28.42	1.55 H	21	40.34	5.24
6	4904.00	31.53 AV	54.00	-22.47	1.55 H	21	26.29	5.24
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.

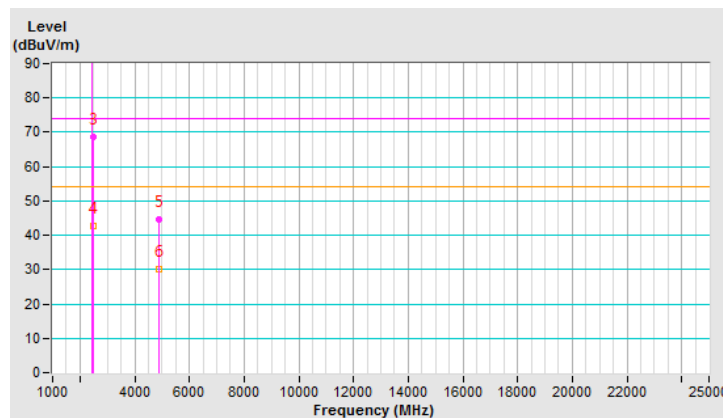


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	24°C	量測場地濕度：	70%RH
測試日期：	106 年 7 月 10 日	測試者：	張君煌

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	109.92 PK			1.64 V	3	111.43	-1.51
2	*2452.00	105.18 AV			1.64 V	3	106.69	-1.51
3	2483.50	68.63 PK	74.00	-5.37	1.64 V	3	69.96	-1.33
4	2483.50	42.83 AV	54.00	-11.17	1.64 V	3	44.16	-1.33
5	4904.00	44.60 PK	74.00	-29.40	1.98 V	17	39.36	5.24
6	4904.00	30.27 AV	54.00	-23.73	1.98 V	17	25.03	5.24
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.



Additional test:

802.11g

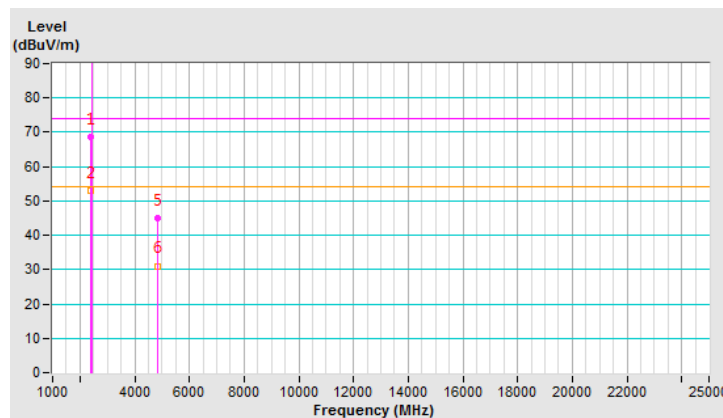
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2：2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	68.64 PK	74.00	-5.36	3.82 H	166	70.95	-2.31
2	2390.00	52.93 AV	54.00	-1.07	3.82 H	166	55.24	-2.31
3	*2417.00	115.99 PK			3.82 H	166	118.13	-2.14
4	*2417.00	105.12 AV			3.82 H	166	107.26	-2.14
5	4834.00	45.01 PK	74.00	-28.99	2.55 H	101	40.83	4.18
6	4834.00	31.06 AV	54.00	-22.94	2.55 H	101	26.88	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

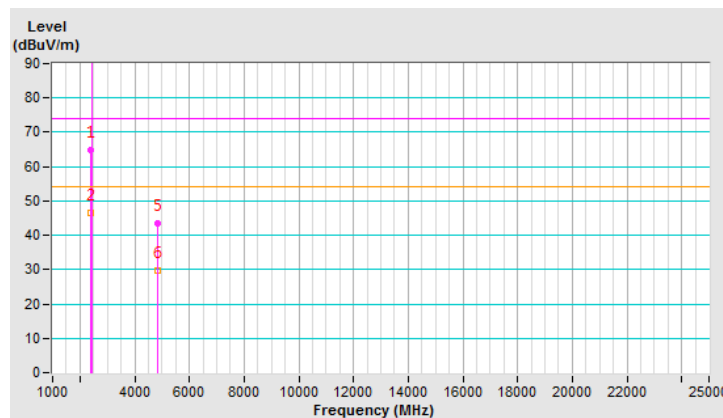


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2：2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	64.97 PK	74.00	-9.03	1.51 V	224	67.28	-2.31
2	2390.00	46.60 AV	54.00	-7.40	1.51 V	224	48.91	-2.31
3	*2417.00	114.58 PK			1.51 V	224	116.72	-2.14
4	*2417.00	103.60 AV			1.51 V	224	105.74	-2.14
5	4834.00	43.36 PK	74.00	-30.64	3.66 V	81	39.18	4.18
6	4834.00	29.85 AV	54.00	-24.15	3.66 V	81	25.67	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

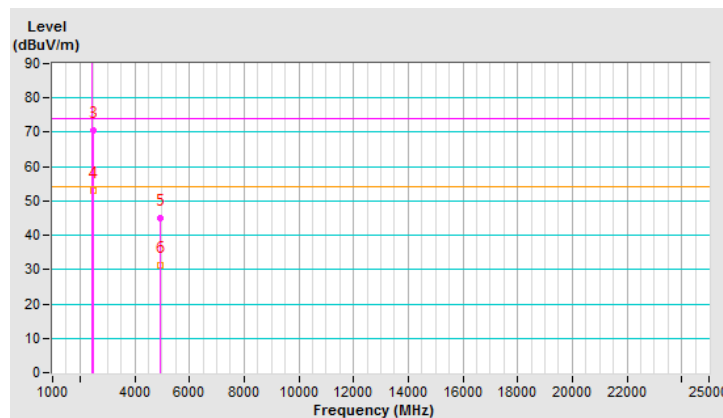


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	*2457.00	116.17 PK			3.89 H	159	118.04	-1.87
2	*2457.00	105.35 AV			3.89 H	159	107.22	-1.87
3	2483.50	70.61 PK	74.00	-3.39	3.89 H	159	72.32	-1.71
4	2483.50	52.83 AV	54.00	-1.17	3.89 H	159	54.54	-1.71
5	4914.00	45.08 PK	74.00	-28.92	2.71 H	92	40.79	4.29
6	4914.00	31.11 AV	54.00	-22.89	2.71 H	92	26.82	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

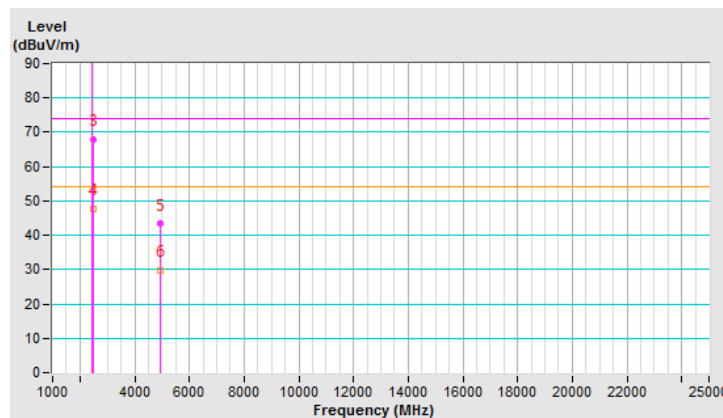


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	*2457.00	114.07 PK			1.47 V	208	115.94	-1.87
2	*2457.00	105.02 AV			1.47 V	208	106.89	-1.87
3	2483.50	68.07 PK	74.00	-5.93	1.47 V	208	69.78	-1.71
4	2483.50	47.82 AV	54.00	-6.18	1.47 V	208	49.53	-1.71
5	4914.00	43.51 PK	74.00	-30.49	3.57 V	88	39.22	4.29
6	4914.00	29.90 AV	54.00	-24.10	3.57 V	88	25.61	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

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



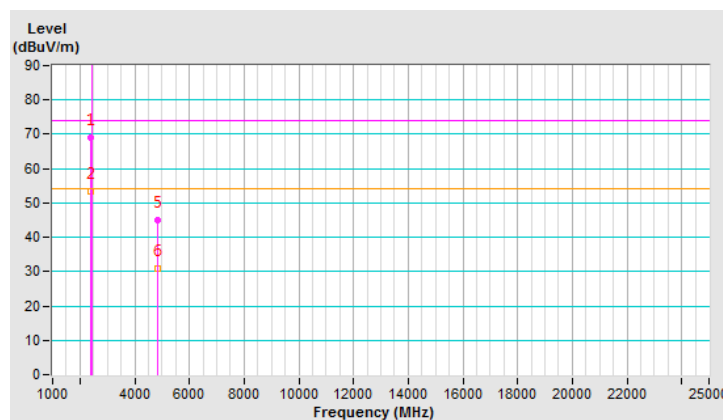
802.11n (20MHz)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2：2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	68.84 PK	74.00	-5.16	4.00 H	164	71.15	-2.31
2	2390.00	53.47 AV	54.00	-0.53	4.00 H	164	55.78	-2.31
3	*2417.00	117.13 PK			4.00 H	164	119.27	-2.14
4	*2417.00	105.06 AV			4.00 H	164	107.20	-2.14
5	4834.00	45.09 PK	74.00	-28.91	1.88 H	271	40.91	4.18
6	4834.00	31.00 AV	54.00	-23.00	1.88 H	271	26.82	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

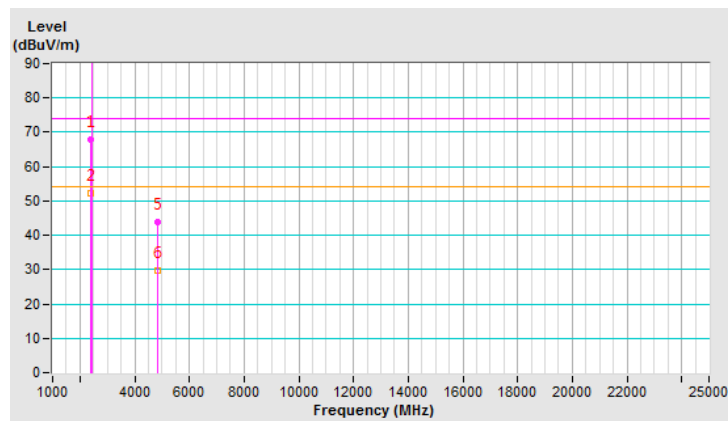


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2：2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	67.72 PK	74.00	-6.28	1.44 V	221	70.03	-2.31
2	2390.00	52.30 AV	54.00	-1.70	1.44 V	221	54.61	-2.31
3	*2417.00	114.58 PK			1.44 V	221	116.72	-2.14
4	*2417.00	102.49 AV			1.44 V	221	104.63	-2.14
5	4834.00	43.85 PK	74.00	-30.15	3.58 V	92	39.67	4.18
6	4834.00	29.84 AV	54.00	-24.16	3.58 V	92	25.66	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

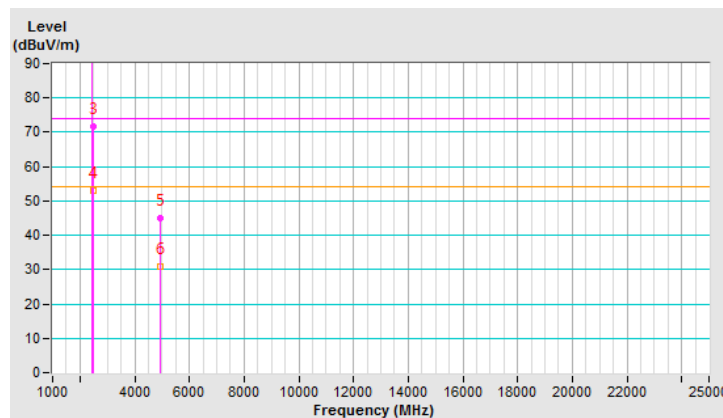


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	*2457.00	117.01 PK			4.00 H	164	118.88	-1.87
2	*2457.00	104.17 AV			4.00 H	164	106.04	-1.87
3	2483.50	71.62 PK	74.00	-2.38	4.00 H	164	73.33	-1.71
4	2483.50	52.98 AV	54.00	-1.02	4.00 H	164	54.69	-1.71
5	4914.00	44.96 PK	74.00	-29.04	2.77 H	115	40.67	4.29
6	4914.00	31.00 AV	54.00	-23.00	2.77 H	115	26.71	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

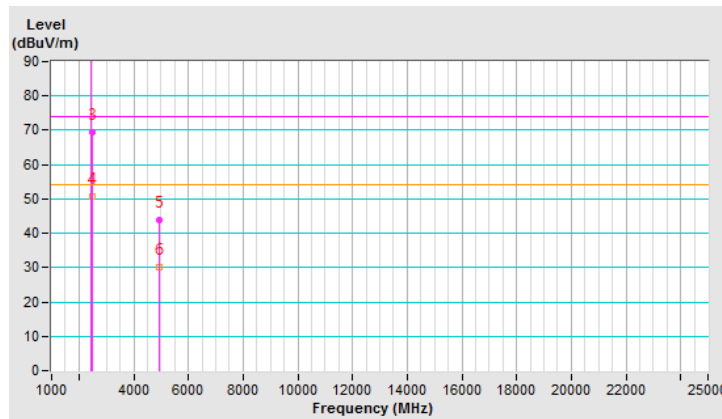


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	72%RH
測試日期：	106 年 5 月 9 日	測試者：	張君煌

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	*2457.00	114.56 PK			1.69 V	201	116.43	-1.87
2	*2457.00	101.72 AV			1.69 V	201	103.59	-1.87
3	2483.50	69.41 PK	74.00	-4.59	1.69 V	201	71.12	-1.71
4	2483.50	50.57 AV	54.00	-3.43	1.69 V	201	52.28	-1.71
5	4914.00	43.97 PK	74.00	-30.03	3.67 V	72	39.68	4.29
6	4914.00	30.07 AV	54.00	-23.93	3.67 V	72	25.78	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

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



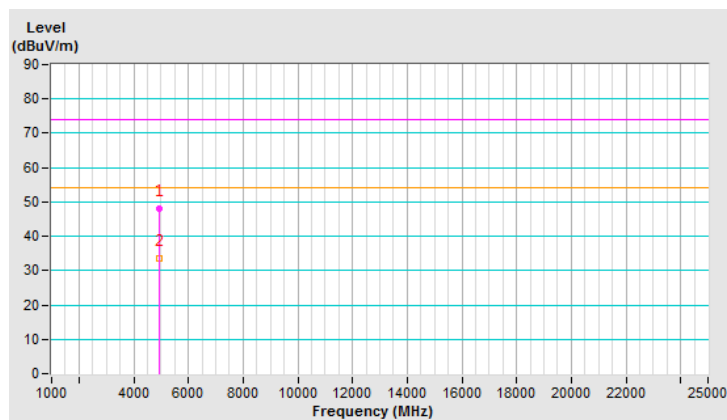
4.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	47.97 PK	74.00	-26.03	1.82 H	206	40.84	7.13
2	4924.00	33.52 AV	54.00	-20.48	1.82 H	206	26.39	7.13

REMARKS:

1. Emission Level(dBuV/m) = 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

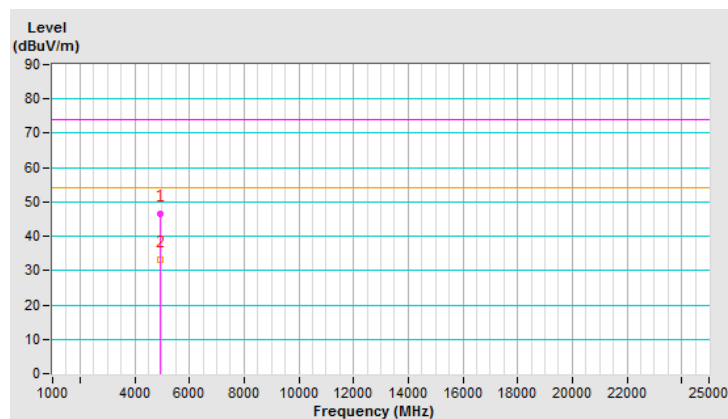


操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	46.48 PK	74.00	-27.52	1.69 V	266	39.35	7.13
2	4924.00	33.07 AV	54.00	-20.93	1.69 V	266	25.94	7.13

REMARKS:

1. Emission Level(dBuV/m) = 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



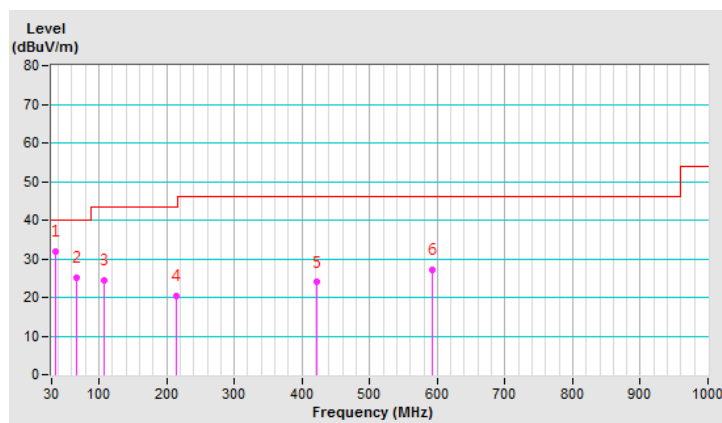
4.6.3 其它不必要之訊號

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：	24°C	量測場地濕度：	68%RH
測試日期：	106 年 5 月 15 日	測試者：	張君煌

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	35.09	32.02 QP	40.00	-7.98	1.64 H	0	42.64	-10.62
2	65.89	25.14 QP	40.00	-14.86	2.16 H	293	36.16	-11.02
3	107.41	24.44 QP	43.50	-19.06	2.54 H	129	37.29	-12.85
4	214.78	20.37 QP	43.50	-23.13	1.84 H	303	31.57	-11.20
5	421.01	23.93 QP	46.00	-22.07	1.36 H	317	28.79	-4.86
6	591.78	27.07 QP	46.00	-18.93	1.08 H	328	28.17	-1.10

REMARKS:

1. Emission Level(dBuV/m) = 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.

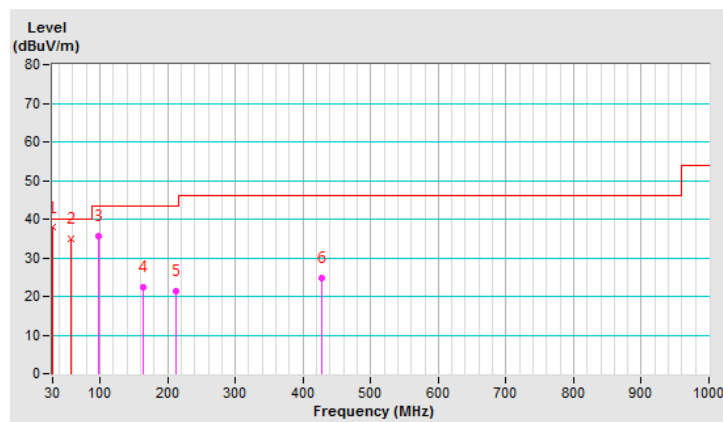


操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	24°C	量測場地濕度：	68%RH
測試日期：	106 年 5 月 15 日	測試者：	張君煌

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	30.45	37.81 QP	40.00	-2.19	1.06 V	180	48.76	-10.95
2	57.39	34.86 QP	40.00	-5.14	1.37 V	360	44.27	-9.41
3	98.77	35.64 QP	43.50	-7.86	1.55 V	240	49.49	-13.85
4	164.10	22.54 QP	43.50	-20.96	2.09 V	360	31.60	-9.06
5	212.60	21.50 QP	43.50	-22.00	2.57 V	161	32.74	-11.24
6	427.07	24.72 QP	46.00	-21.28	1.33 V	31	29.24	-4.52

REMARKS:

1. Emission Level(dBuV/m) = 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。

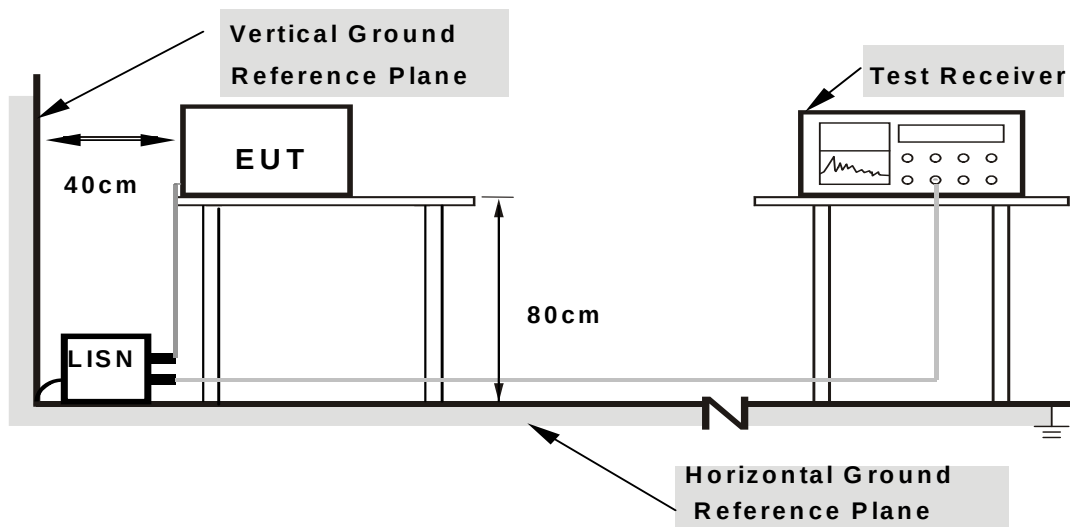
5.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
ROHDE & SCHWARZ TEST RECEIVER	ESCS 30	100276	Apr. 10, 2017	Apr. 9, 2018
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ENV216	101196	Apr. 20, 2017	Apr. 19, 2018
LISN With Adapter (for EUT)	AD10	C10Ada-002	Apr. 20, 2017	Apr. 19, 2018
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100218	Nov. 23, 2016	Nov. 22, 2017
SCHWARZBECK Artificial Mains Network (For EUT)	NNLK8129	8129229	May 9, 2017	May 8, 2018
Software	Cond_V7.3.7.4	NA	NA	NA
RF cable (JYEBAO) With 10dB PAD	5D-FB	Cable-C10.01	Feb. 14, 2017	Feb. 13, 2018
SUHNTER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-01-299	Jan. 18, 2017	Jan. 17, 2018
ROHDE & SCHWARZ Artificial Mains Network (For TV EUT)	ESH3-Z5	100220	Nov. 8, 2016	Nov. 7, 2017
LISN With Adapter (for TV EUT)	100220	N/A	Nov. 8, 2016	Nov. 7, 2017

- Notes:
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in Shielded Room No. 10.
 3. The VCCI Site Registration No. C-1852.
 4. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Uncertainty
Conducted emissions	± 2.77

5.4 測試配置



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

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

5.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

5.6 量測結果

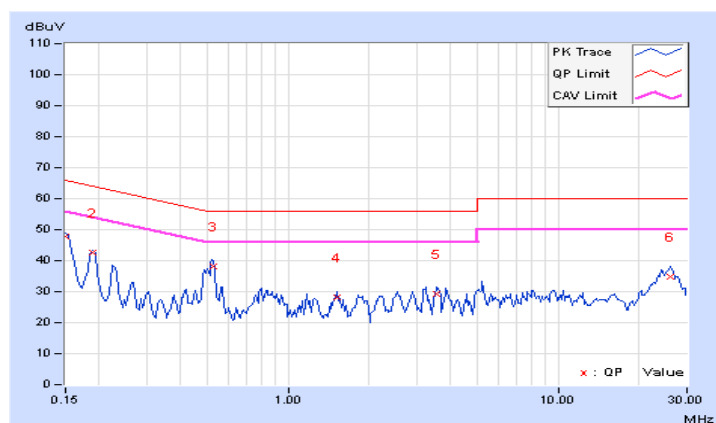
CDD Mode:

操作模式	發射		
基本波頻率	CH 11 : 2462 MHz	測試日期	106 年 5 月 16 日
量測場地溫度	26°C	量測場地濕度	77%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	9.62	38.34	31.44	47.96	41.06	66.00	56.00	-18.04	-14.94
0.18906	9.62	32.94	25.99	42.56	35.61	64.08	54.08	-21.52	-18.47
0.52882	9.65	28.44	27.07	38.09	36.72	56.00	46.00	-17.91	-9.28
1.51563	9.71	18.33	13.36	28.04	23.07	56.00	46.00	-27.96	-22.93
3.53125	9.81	19.46	12.85	29.27	22.66	56.00	46.00	-26.73	-23.34
26.20703	10.10	24.88	19.04	34.98	29.14	60.00	50.00	-25.02	-20.86

NOTE:

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

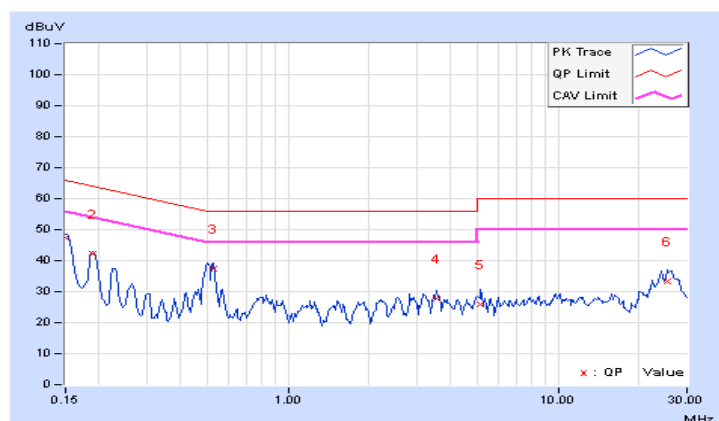


操作模式	發射		
基本波頻率	CH 11 : 2462 MHz	測試日期	106 年 5 月 16 日
量測場地溫度	26°C	量測場地濕度	77%RH
測試者	張君煌		

		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	9.65	37.93	30.80	47.58	40.45	66.00	56.00	-18.42	-15.55
0.18906	9.64	32.62	25.53	42.26	35.17	64.08	54.08	-21.82	-18.91
0.52891	9.66	27.65	26.11	37.31	35.77	56.00	46.00	-18.69	-10.23
3.54688	9.82	17.88	11.11	27.70	20.93	56.00	46.00	-28.30	-25.07
5.15625	9.86	16.19	12.20	26.05	22.06	60.00	50.00	-33.95	-27.94
25.37109	10.31	23.08	17.17	33.39	27.48	60.00	50.00	-26.61	-22.52

NOTE:

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



5.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

5.8 配置照片

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。

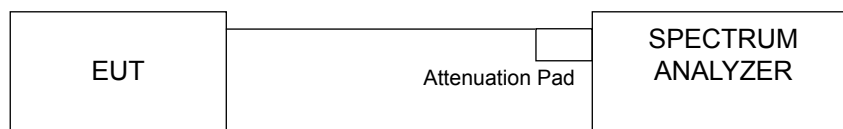
6.3 量測儀器

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

NOTE:

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

6.4 測試配置



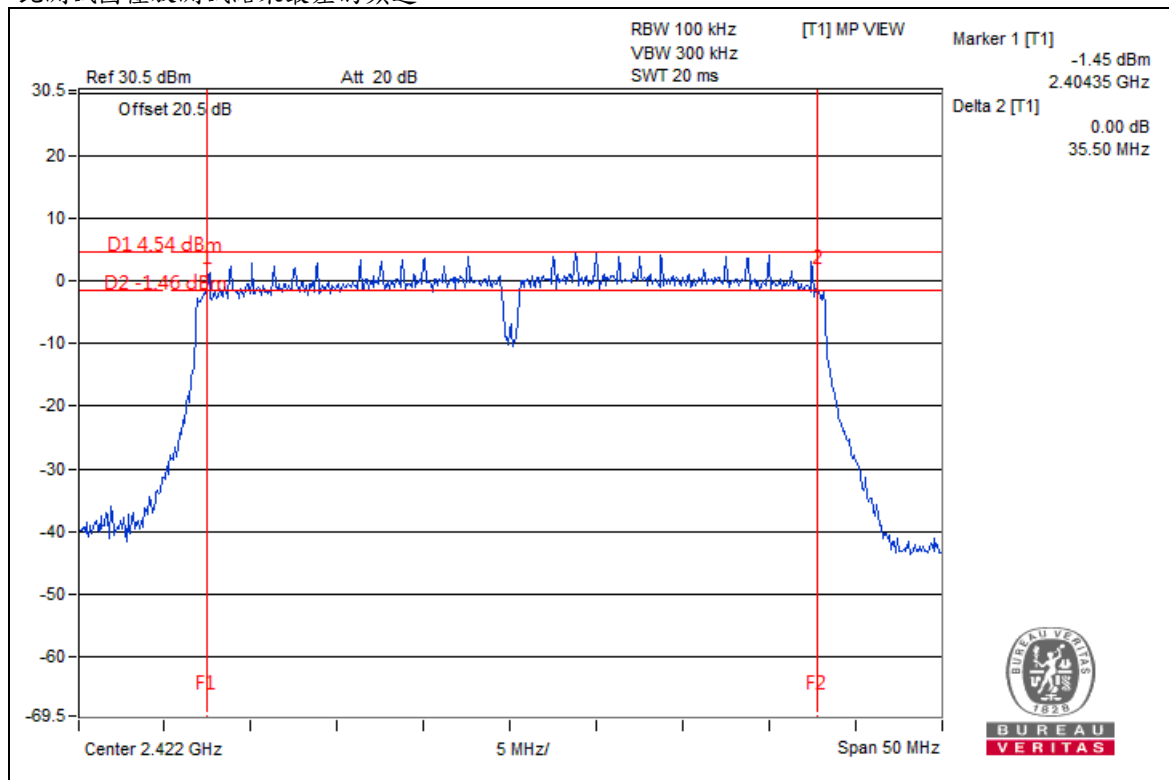
6.5 量測結果

CDD Mode:

操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25℃	量測場地濕度	76%RH
測試者	李澤洋		

Channel	Frequency (MHz)	6db Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
802.11b					
1	2412	8.11	8.11	0.5	PASS
6	2437	8.10	8.10	0.5	PASS
11	2462	8.10	8.10	0.5	PASS
802.11g					
1	2412	16.41	16.39	0.5	PASS
6	2437	16.38	16.38	0.5	PASS
11	2462	16.40	16.40	0.5	PASS
802.11n (20MHz)					
1	2412	17.60	17.60	0.5	PASS
6	2437	17.61	17.23	0.5	PASS
11	2462	17.61	17.62	0.5	PASS
802.11n (40MHz)					
3	2422	35.26	35.50	0.5	PASS
6	2437	35.24	35.20	0.5	PASS
9	2452	35.21	35.25	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。

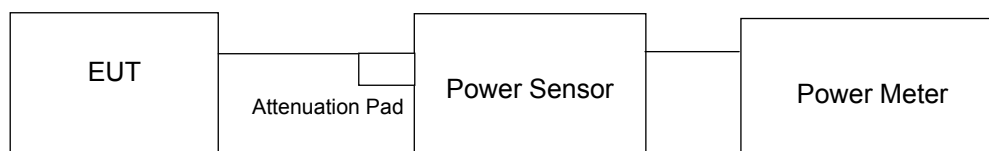
7.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Anritsu Power Sensor	MA2411B	0738404	Apr. 24, 2017	Apr. 23, 2018
Anritsu Power Meter	ML2495A	0842014	Apr. 24, 2017	Apr. 23, 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 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

CDD Mode:

操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25℃	量測場地濕度	76%RH
測試者	李澤洋		

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
802.11b							
1	2412	24.42	24.53	560.486	27.49	27.54	Pass
6	2437	24.48	24.40	555.966	27.45	27.54	Pass
11	2462	24.54	24.40	559.869	27.48	27.54	Pass
802.11g							
1	2412	18.56	18.68	145.569	21.63	27.54	Pass
2	2417	23.16	23.28	419.828	26.23	27.54	Pass
6	2437	24.13	24.32	529.217	27.24	27.54	Pass
10	2457	22.22	22.36	338.912	25.30	27.54	Pass
11	2462	18.24	18.15	131.994	21.21	27.54	Pass
802.11n (20MHz)							
1	2412	18.46	18.69	144.107	21.59	27.54	Pass
2	2417	24.13	24.31	528.595	27.23	27.54	Pass
6	2437	24.11	24.29	526.166	27.21	27.54	Pass
10	2457	22.67	22.78	374.598	25.74	27.54	Pass
11	2462	18.85	18.64	149.850	21.76	27.54	Pass
802.11n (40MHz)							
3	2422	18.57	18.99	151.195	21.80	27.54	Pass
6	2437	20.15	20.35	211.907	23.26	27.54	Pass
9	2452	18.47	18.56	142.086	21.53	27.54	Pass

NOTE:

Antenna gain = 8.46dBi > 6dBi, so the Conducted Power limit shall be reduced to 30-(8.46-6) = 27.54dBm

Beamforming Mode:

操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
802.11n (20MHz)							
1	2412	18.44	18.65	143.105	21.56	24.68	Pass
6	2437	19.35	19.53	175.842	22.45	24.68	Pass
11	2462	18.79	18.62	148.461	21.72	24.68	Pass
802.11n (40MHz)							
3	2422	18.48	18.87	147.559	21.69	24.68	Pass
6	2437	19.52	19.72	183.292	22.63	24.68	Pass
9	2452	18.47	18.49	140.939	21.49	24.68	Pass

NOTE:

Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 11.32\text{dBi} > 6\text{dBi}$, so the Conducted Power limit shall be reduced to $30 - (11.32 - 6) = 24.68\text{dBm}$

7.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

8 功率頻譜密度之量測

8.1 適用標準

請見本報告 3.1 節第 7 項(I)的規定。

8.2 量測方法

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

8.3 量測儀器

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

NOTE:

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

8.4 測試配置



8.5 量測結果

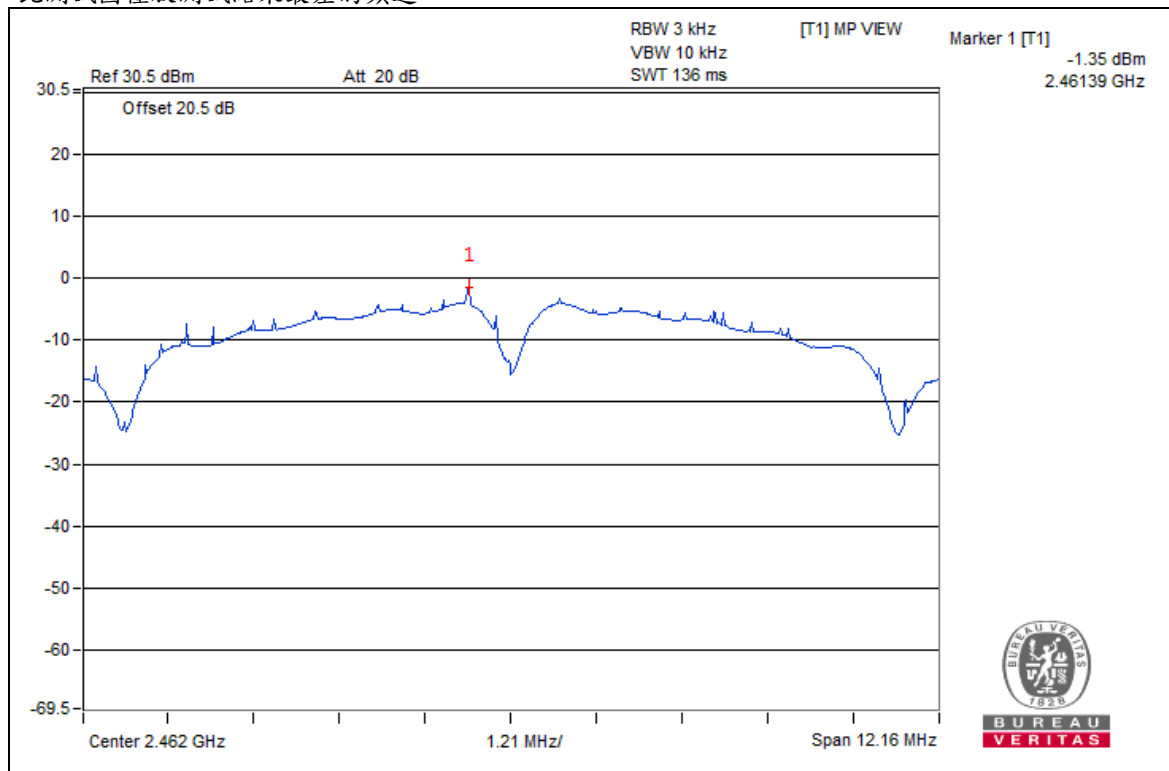
CDD Mode:

操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

TX chain	Channel	Freq. (MHz)	PSD (dBm)	10 log (N=2) dB	Total PSD (dBm)	Limit (dBm)	Pass /Fail
802.11b							
0	1	2412	-2.14	3.01	0.87	2.68	Pass
	6	2437	-1.43	3.01	1.58	2.68	Pass
	11	2462	-2.10	3.01	0.91	2.68	Pass
1	1	2412	-1.42	3.01	1.59	2.68	Pass
	6	2437	-2.03	3.01	0.98	2.68	Pass
	11	2462	-1.35	3.01	1.66	2.68	Pass
802.11g							
0	1	2412	-8.97	3.01	-5.96	2.68	Pass
	6	2437	-9.48	3.01	-6.47	2.68	Pass
	11	2462	-10.39	3.01	-7.38	2.68	Pass
1	1	2412	-9.19	3.01	-6.18	2.68	Pass
	6	2437	-8.52	3.01	-5.51	2.68	Pass
	11	2462	-9.77	3.01	-6.76	2.68	Pass
802.11n (20MHz)							
0	1	2412	-9.12	3.01	-6.11	2.68	Pass
	6	2437	-9.24	3.01	-6.23	2.68	Pass
	11	2462	-9.23	3.01	-6.22	2.68	Pass
1	1	2412	-9.46	3.01	-6.45	2.68	Pass
	6	2437	-9.04	3.01	-6.03	2.68	Pass
	11	2462	-9.32	3.01	-6.31	2.68	Pass
802.11n (40MHz)							
0	3	2422	-10.61	3.01	-7.60	2.68	Pass
	6	2437	-10.69	3.01	-7.68	2.68	Pass
	9	2452	-9.83	3.01	-6.82	2.68	Pass
1	3	2422	-11.34	3.01	-8.33	2.68	Pass
	6	2437	-11.52	3.01	-8.51	2.68	Pass
	9	2452	-11.29	3.01	-8.28	2.68	Pass

Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 11.32\text{dBi} > 6\text{dBi}$, so the Power Spectral Density limit shall be reduced to $8 - (11.32 - 6) = 2.68\text{dBm}$.

**此測試圖僅放測試結果最差的頻道。



8.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

U-NII 頻段測試紀錄結果

9 帶外發射之量測

9.1 適用標準

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

9.2 量測方法

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

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

9.3 量測儀器

同 4.3 節

9.4 帶外發射之測試配置

同 4.4 節

9.5 場強度之計算

場強之計算公式如下：

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

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

*有效等向輻射功率限制值轉換場強值如下：

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v01r03		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
操作頻帶	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 4.7.4.1 節	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	技術規範 4.7.4.1 節		
5470~5725 MHz	技術規範 4.7.4.1 節		
5725~5850 MHz	☒ 技術規範 4.7.4.2 節	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2(dBμV/m) ^{*1} PK:105.2 (dBμV/m) ^{*2} PK: 110.8(dBμV/m) ^{*3} PK:122.2 (dBμV/m) ^{*4}
	☐ 技術規範 4.7.4.7 節	適用 3.10.1.5 節帶外發射限制	
^{*1} beyond 75 MHz or more above of the band edge. ^{*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

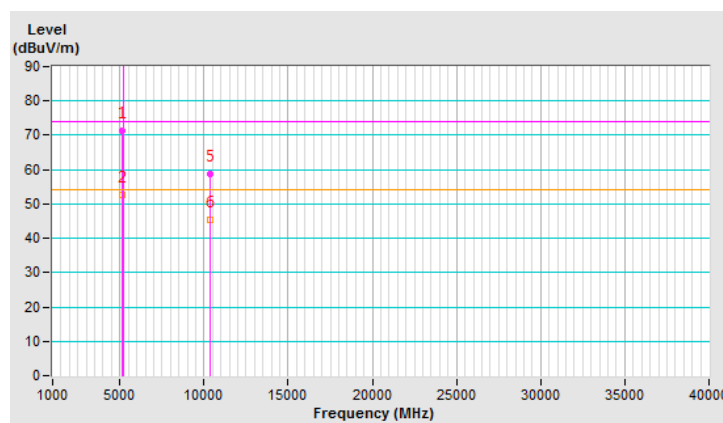
CDD Mode: 802.11a

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=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	71.16 PK	74.00	-2.84	2.34 H	265	63.36	7.80
2	5150.00	52.70 AV	54.00	-1.30	2.34 H	265	44.90	7.80
3	*5180.00	116.94 PK			2.34 H	265	109.01	7.93
4	*5180.00	105.50 AV			2.34 H	265	97.57	7.93
5	10360.00	58.62 PK	74.00	-15.38	1.78 H	236	40.15	18.47
6	10360.00	45.21 AV	54.00	-8.79	1.78 H	236	26.74	18.47
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.

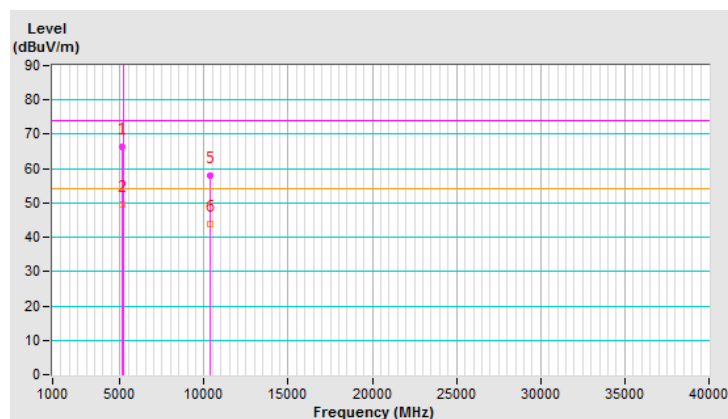


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	66.20 PK	74.00	-7.80	2.15 V	294	58.40	7.80
2	5150.00	49.59 AV	54.00	-4.41	2.15 V	294	41.79	7.80
3	*5180.00	111.68 PK			2.15 V	294	103.75	7.93
4	*5180.00	101.52 AV			2.15 V	294	93.59	7.93
5	10360.00	58.09 PK	74.00	-15.91	2.32 V	201	39.62	18.47
6	10360.00	43.78 AV	54.00	-10.22	2.32 V	201	25.31	18.47
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.

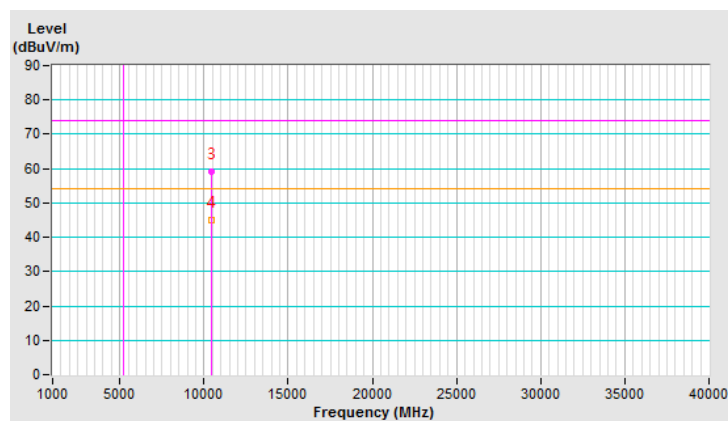


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	118.97 PK			2.45 H	264	110.95	8.02
2	*5200.00	107.55 AV			2.45 H	264	99.53	8.02
3	10400.00	59.24 PK	74.00	-14.76	1.69 H	218	40.60	18.64
4	10400.00	44.96 AV	54.00	-9.04	1.69 H	218	26.32	18.64
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.

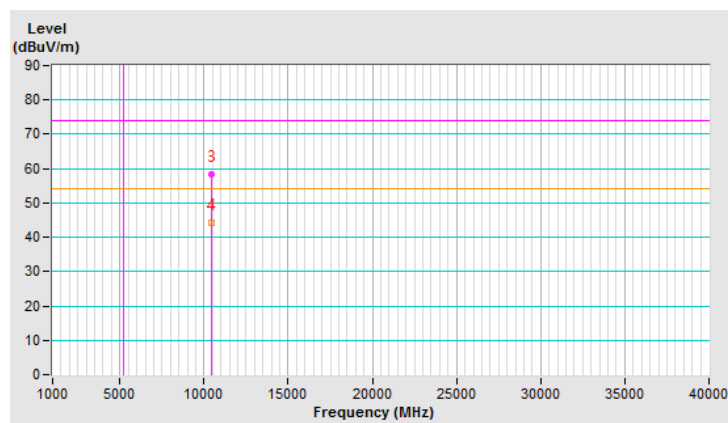


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	112.27 PK			2.13 V	303	104.25	8.02
2	*5200.00	101.70 AV			2.13 V	303	93.68	8.02
3	10400.00	58.29 PK	74.00	-15.71	1.64 V	248	39.65	18.64
4	10400.00	44.28 AV	54.00	-9.72	1.64 V	248	25.64	18.64
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.

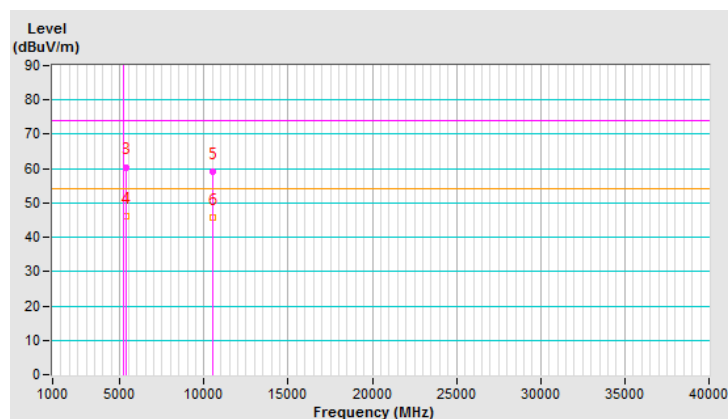


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	118.70 PK			2.16 H	263	110.55	8.15
2	*5240.00	107.40 AV			2.16 H	263	99.25	8.15
3	5350.00	60.42 PK	74.00	-13.58	2.16 H	263	51.84	8.58
4	5350.00	46.15 AV	54.00	-7.85	2.16 H	263	37.57	8.58
5	10480.00	59.24 PK	74.00	-14.76	2.15 H	134	40.28	18.96
6	10480.00	45.60 AV	54.00	-8.40	2.15 H	134	26.64	18.96
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.

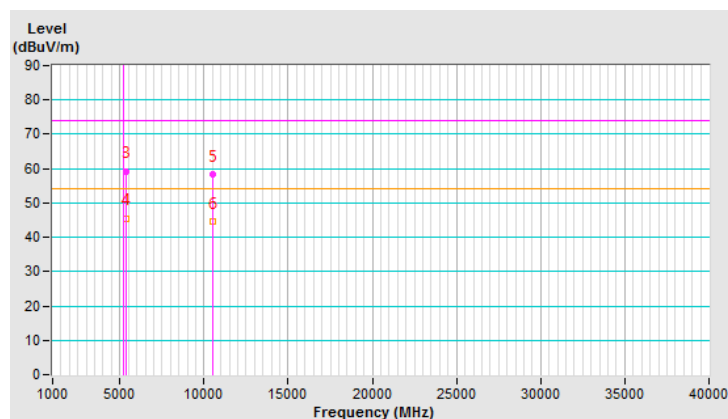


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	112.66 PK			2.16 V	291	104.51	8.15
2	*5240.00	101.83 AV			2.16 V	291	93.68	8.15
3	5350.00	59.27 PK	74.00	-14.73	2.16 V	291	50.69	8.58
4	5350.00	45.54 AV	54.00	-8.46	2.16 V	291	36.96	8.58
5	10480.00	58.38 PK	74.00	-15.62	1.66 V	12	39.42	18.96
6	10480.00	44.65 AV	54.00	-9.35	1.66 V	12	25.69	18.96
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.

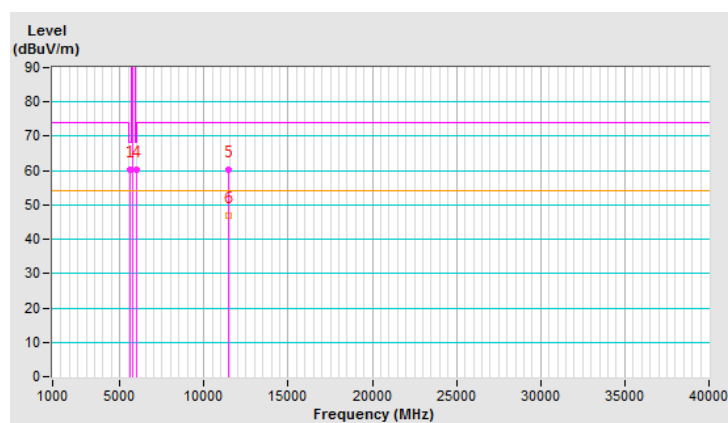


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5576.14	60.28 PK	68.20	-7.92	2.51 H	264	50.94	9.34
2	*5745.00	114.90 PK			2.51 H	264	105.51	9.39
3	*5745.00	104.81 AV			2.51 H	264	95.42	9.39
4	5959.69	60.15 PK	68.20	-8.05	2.51 H	264	50.27	9.88
5	11490.00	60.24 PK	74.00	-13.76	1.47 H	214	40.15	20.09
6	11490.00	46.93 AV	54.00	-7.07	1.47 H	214	26.84	20.09
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.

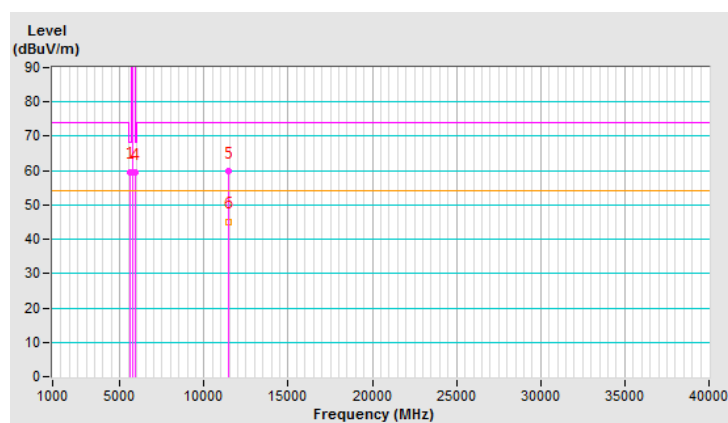


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5593.66	59.64 PK	68.20	-8.56	2.43 V	258	50.30	9.34
2	*5745.00	109.08 PK			2.43 V	258	99.69	9.39
3	*5745.00	98.73 AV			2.43 V	258	89.34	9.39
4	5932.99	59.52 PK	68.20	-8.68	2.43 V	258	49.74	9.78
5	11490.00	59.74 PK	74.00	-14.26	2.41 V	316	39.65	20.09
6	11490.00	45.17 AV	54.00	-8.83	2.41 V	316	25.08	20.09
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.

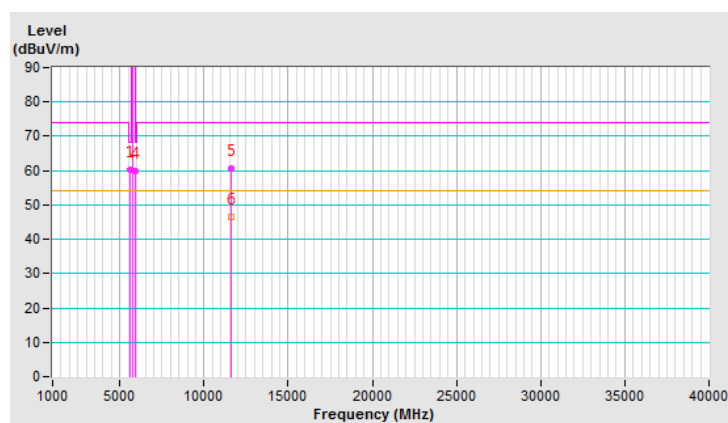


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5623.35	60.26 PK	68.20	-7.94	2.54 H	267	50.91	9.35
2	*5785.00	115.39 PK			2.54 H	267	105.98	9.41
3	*5785.00	104.70 AV			2.54 H	267	95.29	9.41
4	5943.63	59.75 PK	68.20	-8.45	2.54 H	267	49.94	9.81
5	11570.00	60.77 PK	74.00	-13.23	1.33 H	51	40.48	20.29
6	11570.00	46.63 AV	54.00	-7.37	1.33 H	51	26.34	20.29
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.

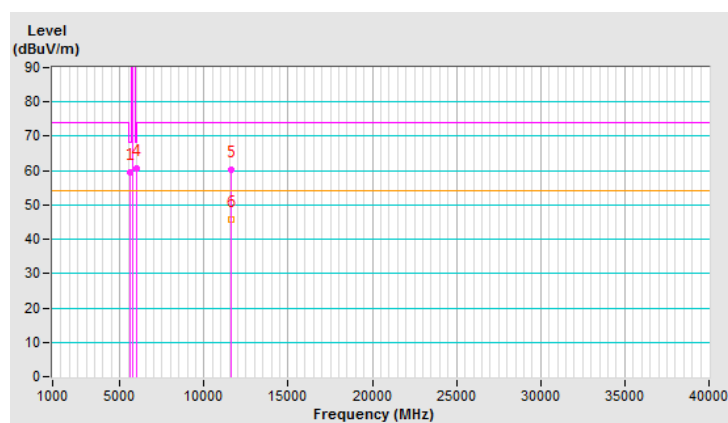


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5602.23	59.35 PK	68.20	-8.85	2.16 V	306	50.01	9.34
2	*5785.00	110.05 PK			2.16 V	306	100.64	9.41
3	*5785.00	99.99 AV			2.16 V	306	90.58	9.41
4	5989.34	60.47 PK	68.20	-7.73	2.16 V	306	50.48	9.99
5	11570.00	60.13 PK	74.00	-13.87	1.69 V	278	39.84	20.29
6	11570.00	45.90 AV	54.00	-8.10	1.69 V	278	25.61	20.29
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.

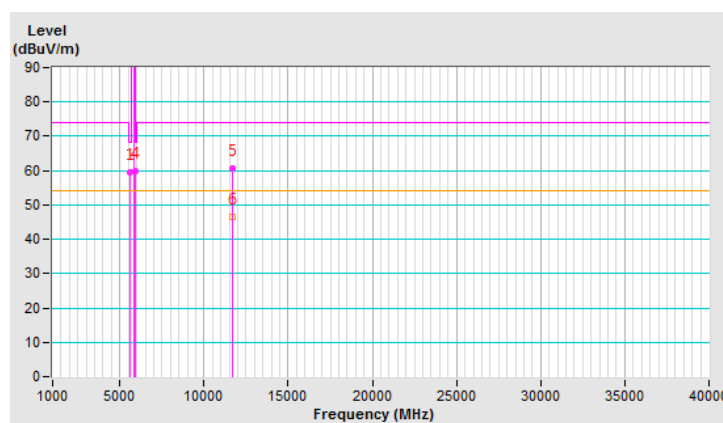


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5603.77	59.50 PK	68.20	-8.70	2.42 H	267	50.15	9.35
2	*5825.00	115.37 PK			2.42 H	267	105.90	9.47
3	*5825.00	105.14 AV			2.42 H	267	95.67	9.47
4	5947.12	59.80 PK	68.20	-8.40	2.42 H	267	49.96	9.84
5	11650.00	60.45 PK	74.00	-13.55	1.23 H	200	40.13	20.32
6	11650.00	46.63 AV	54.00	-7.37	1.23 H	200	26.31	20.32
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.

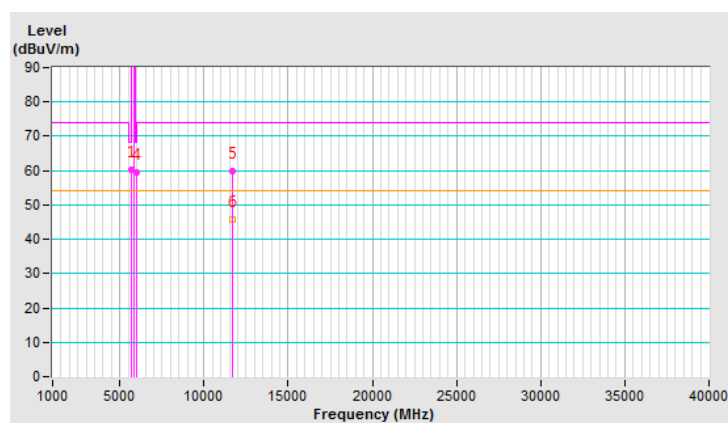


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5641.15	60.19 PK	68.20	-8.01	2.12 V	299	50.83	9.36
2	*5825.00	110.16 PK			2.12 V	299	100.69	9.47
3	*5825.00	100.36 AV			2.12 V	299	90.89	9.47
4	5988.35	59.48 PK	68.20	-8.72	2.12 V	299	49.49	9.99
5	11650.00	60.01 PK	74.00	-13.99	1.82 V	199	39.69	20.32
6	11650.00	45.62 AV	54.00	-8.38	1.82 V	199	25.30	20.32
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.



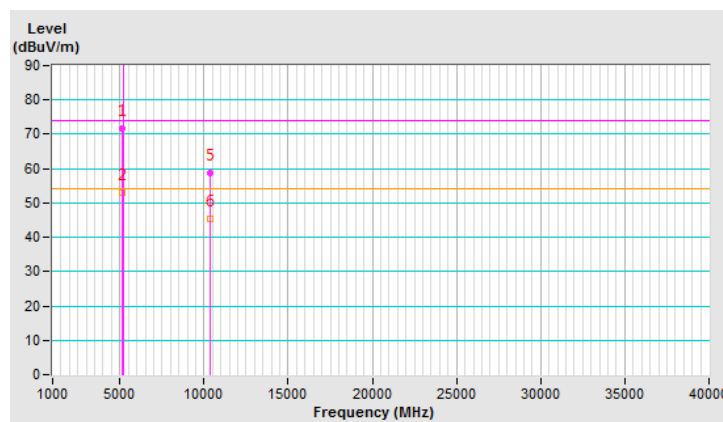
802.11ac (20MHz)

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：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	71.81 PK	74.00	-2.19	2.35 H	264	64.01	7.80
2	5150.00	52.84 AV	54.00	-1.16	2.35 H	264	45.04	7.80
3	*5180.00	118.37 PK			2.35 H	264	110.44	7.93
4	*5180.00	105.71 AV			2.35 H	264	97.78	7.93
5	10360.00	58.79 PK	74.00	-15.21	1.84 H	145	40.32	18.47
6	10360.00	45.31 AV	54.00	-8.69	1.84 H	145	26.84	18.47
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.

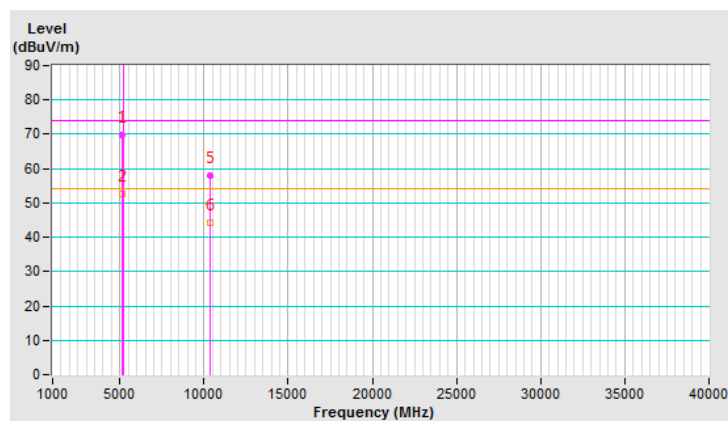


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.72 PK	74.00	-4.28	1.94 V	174	61.92	7.80
2	5150.00	52.47 AV	54.00	-1.53	1.94 V	174	44.67	7.80
3	*5180.00	113.22 PK			1.94 V	274	105.29	7.93
4	*5180.00	101.13 AV			1.94 V	274	93.20	7.93
5	10360.00	57.87 PK	74.00	-16.13	2.95 V	251	39.40	18.47
6	10360.00	44.16 AV	54.00	-9.84	2.95 V	251	25.69	18.47
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.

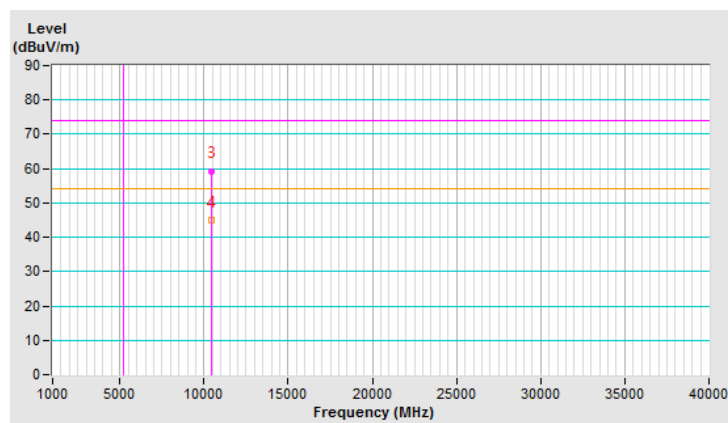


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	117.35 PK			1.92 H	249	109.33	8.02
2	*5200.00	104.55 AV			1.92 H	249	96.53	8.02
3	10400.00	59.29 PK	74.00	-14.71	1.76 H	145	40.65	18.64
4	10400.00	45.06 AV	54.00	-8.94	1.76 H	145	26.42	18.64
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.

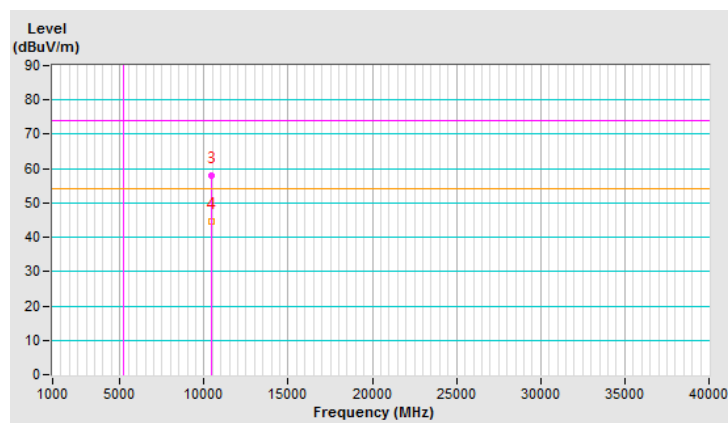


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	113.16 PK			1.89 V	187	105.14	8.02
2	*5200.00	101.36 AV			1.89 V	187	93.34	8.02
3	10400.00	58.07 PK	74.00	-15.93	2.33 V	167	39.43	18.64
4	10400.00	44.45 AV	54.00	-9.55	2.33 V	167	25.81	18.64
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.

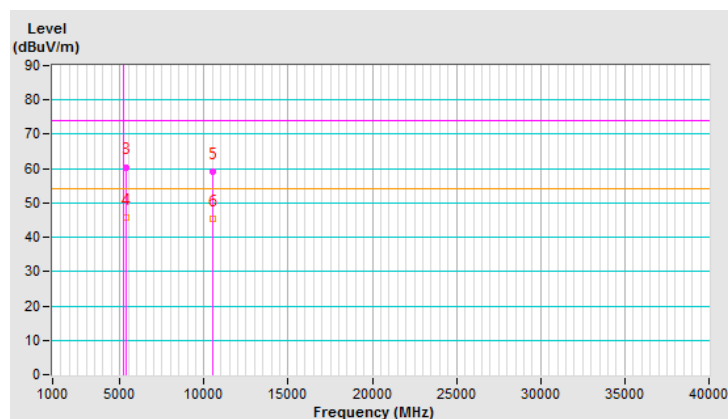


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	118.36 PK			2.52 H	263	110.21	8.15
2	*5240.00	105.49 AV			2.52 H	263	97.34	8.15
3	5350.00	60.43 PK	74.00	-13.57	2.52 H	263	51.85	8.58
4	5350.00	45.89 AV	54.00	-8.11	2.52 H	263	37.31	8.58
5	10480.00	59.23 PK	74.00	-14.77	1.23 H	46	40.27	18.96
6	10480.00	45.30 AV	54.00	-8.70	1.23 H	46	26.34	18.96
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.

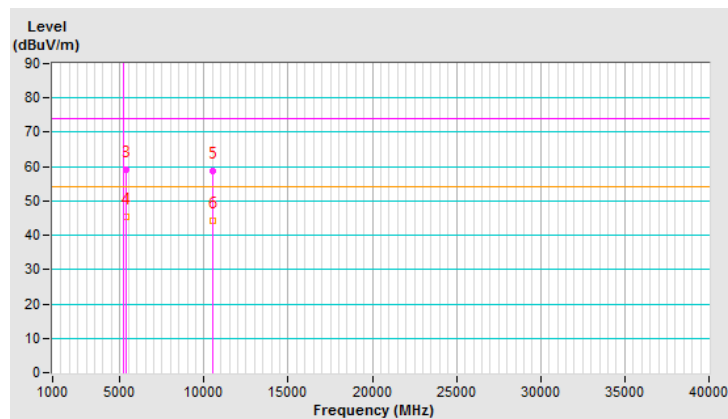


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	114.47 PK			1.97 V	189	106.32	8.15
2	*5240.00	101.36 AV			1.97 V	189	93.21	8.15
3	5350.00	59.04 PK	74.00	-14.96	1.97 V	189	50.46	8.58
4	5350.00	45.28 AV	54.00	-8.72	1.97 V	189	36.70	8.58
5	10480.00	58.60 PK	74.00	-15.40	2.19 V	54	39.64	18.96
6	10480.00	44.35 AV	54.00	-9.65	2.19 V	54	25.39	18.96
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.

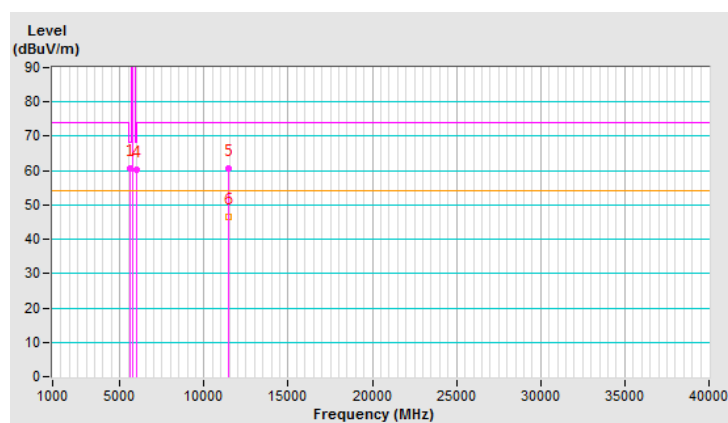


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5598.47	60.58 PK	68.20	-7.62	2.44 H	261	51.24	9.34
2	*5745.00	116.34 PK			2.44 H	261	106.95	9.39
3	*5745.00	103.90 AV			2.44 H	261	94.51	9.39
4	5961.09	60.27 PK	68.20	-7.93	2.44 H	261	50.38	9.89
5	11490.00	60.60 PK	74.00	-13.40	1.47 H	185	40.51	20.09
6	11490.00	46.37 AV	54.00	-7.63	1.47 H	185	26.28	20.09
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.

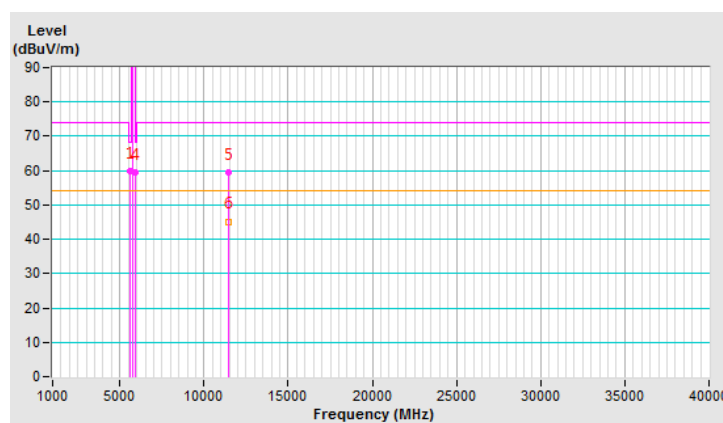


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5595.73	59.93 PK	68.20	-8.27	1.93 V	179	50.59	9.34
2	*5745.00	111.70 PK			1.93 V	193	102.31	9.39
3	*5745.00	99.02 AV			1.93 V	193	89.63	9.39
4	5930.39	59.41 PK	68.20	-8.79	1.93 V	179	49.64	9.77
5	11490.00	59.41 PK	74.00	-14.59	1.30 V	184	39.32	20.09
6	11490.00	45.18 AV	54.00	-8.82	1.30 V	184	25.09	20.09
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.

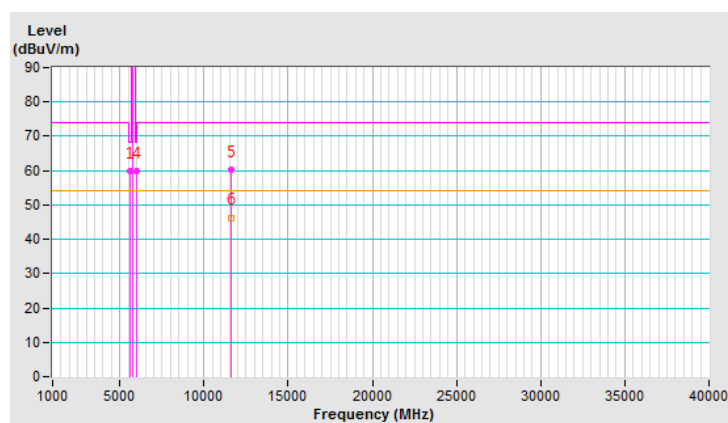


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5628.85	60.02 PK	68.20	-8.18	2.44 H	264	50.67	9.35
2	*5785.00	115.30 PK			2.44 H	264	105.89	9.41
3	*5785.00	103.72 AV			2.44 H	264	94.31	9.41
4	5979.07	59.88 PK	68.20	-8.32	2.44 H	264	49.93	9.95
5	11570.00	60.29 PK	74.00	-13.71	1.23 H	232	40.00	20.29
6	11570.00	46.30 AV	54.00	-7.70	1.23 H	232	26.01	20.29
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.

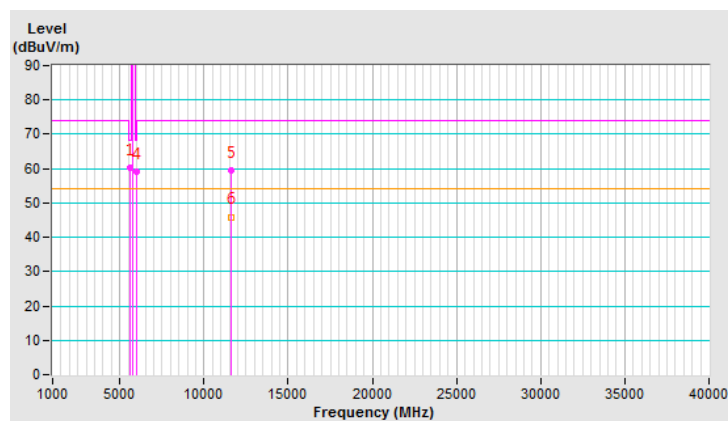


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5619.98	60.23 PK	68.20	-7.97	1.93 V	175	50.88	9.35
2	*5785.00	109.73 PK			1.93 V	175	100.32	9.41
3	*5785.00	98.77 AV			1.93 V	175	89.36	9.41
4	5978.53	59.15 PK	68.20	-9.05	1.93 V	175	49.20	9.95
5	11570.00	59.55 PK	74.00	-14.45	2.06 V	104	39.26	20.29
6	11570.00	45.93 AV	54.00	-8.07	2.06 V	104	25.64	20.29
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.

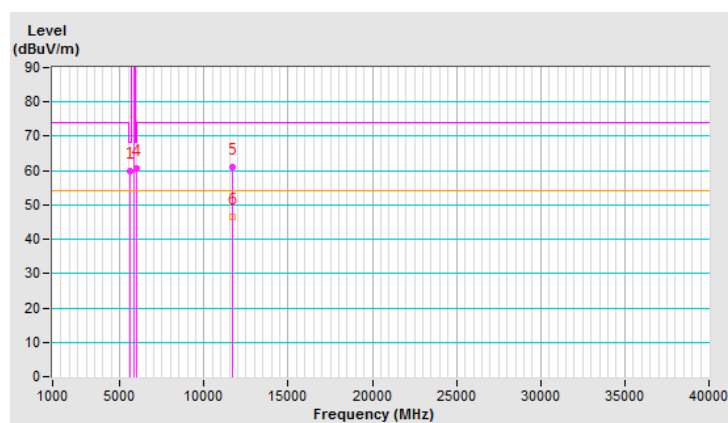


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5617.71	59.88 PK	68.20	-8.32	2.64 H	264	50.53	9.35
2	*5825.00	115.23 PK			2.64 H	264	105.76	9.47
3	*5825.00	103.74 AV			2.64 H	264	94.27	9.47
4	6004.12	60.61 PK	68.20	-7.59	2.64 H	264	50.56	10.05
5	11650.00	60.84 PK	74.00	-13.16	1.02 H	298	40.52	20.32
6	11650.00	46.65 AV	54.00	-7.35	1.02 H	298	26.33	20.32
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.

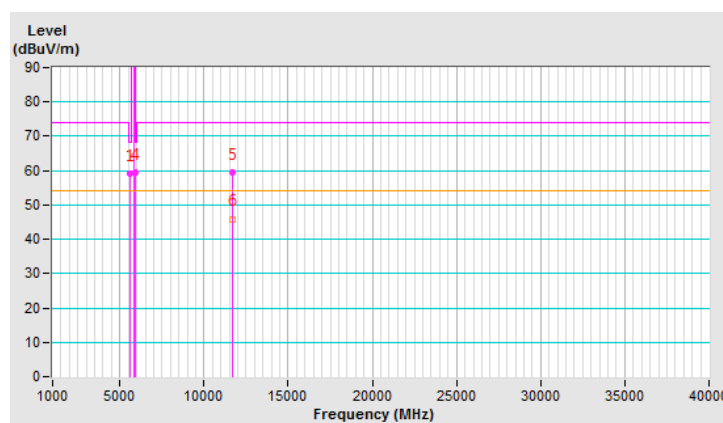


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5618.83	59.00 PK	68.20	-9.20	1.92 V	180	49.65	9.35
2	*5825.00	109.68 PK			1.92 V	180	100.21	9.47
3	*5825.00	99.36 AV			1.92 V	180	89.89	9.47
4	5940.94	59.61 PK	68.20	-8.59	1.92 V	180	49.80	9.81
5	11650.00	59.35 PK	74.00	-14.65	1.88 V	281	39.03	20.32
6	11650.00	45.94 AV	54.00	-8.06	1.88 V	281	25.62	20.32
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.



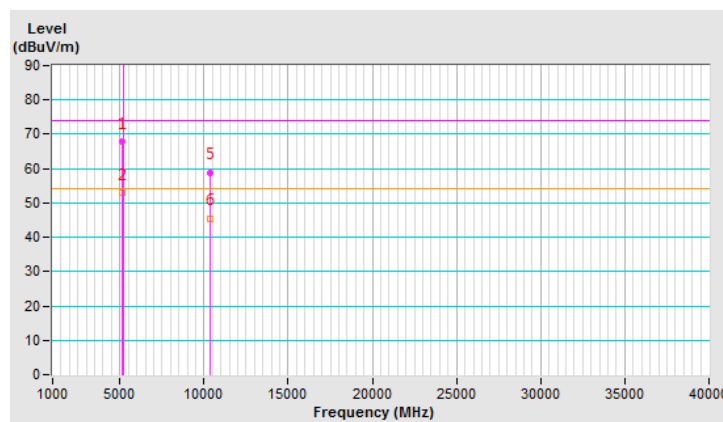
802.11ac (40MHz)

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=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	67.75 PK	74.00	-6.25	2.34 H	264	59.95	7.80
2	5150.00	53.03 AV	54.00	-0.97	2.34 H	264	45.23	7.80
3	*5190.00	109.86 PK			2.34 H	264	101.89	7.97
4	*5190.00	100.46 AV			2.34 H	264	92.49	7.97
5	10380.00	58.91 PK	74.00	-15.09	1.87 H	241	40.35	18.56
6	10380.00	45.54 AV	54.00	-8.46	1.87 H	241	26.98	18.56
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.

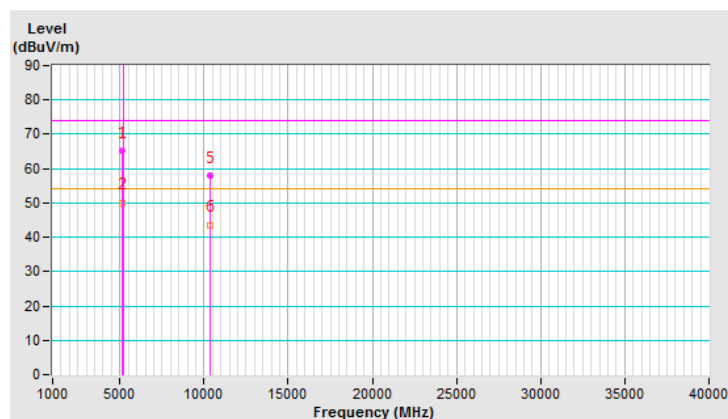


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	65.04 PK	74.00	-8.96	1.48 V	297	57.24	7.80
2	5150.00	50.12 AV	54.00	-3.88	1.48 V	297	42.32	7.80
3	*5190.00	104.70 PK			1.48 V	297	96.73	7.97
4	*5190.00	95.22 AV			1.48 V	297	87.25	7.97
5	10380.00	57.80 PK	74.00	-16.20	2.28 V	74	39.24	18.56
6	10380.00	43.64 AV	54.00	-10.36	2.28 V	74	25.08	18.56
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.

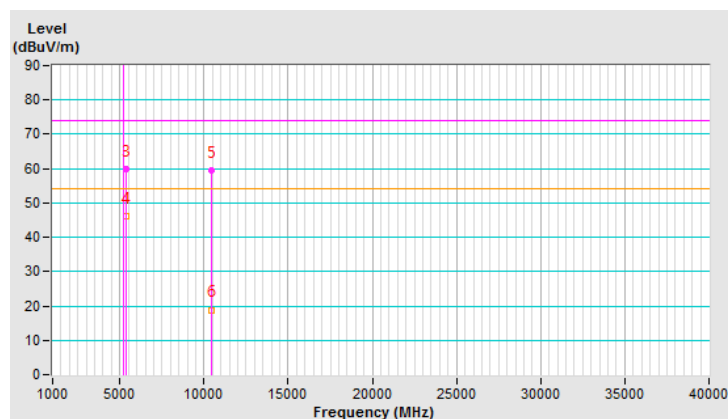


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	113.53 PK			2.31 H	266	105.41	8.12
2	*5230.00	103.51 AV			2.31 H	266	95.39	8.12
3	5350.00	59.88 PK	74.00	-14.12	2.31 H	266	51.30	8.58
4	5350.00	46.07 AV	54.00	-7.93	2.31 H	266	37.49	8.58
5	10460.00	59.55 PK	74.00	-14.45	2.51 H	64	40.68	18.87
6	10460.00	18.87 AV	54.00	-35.13	2.51 H	64	0.00	18.87
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.

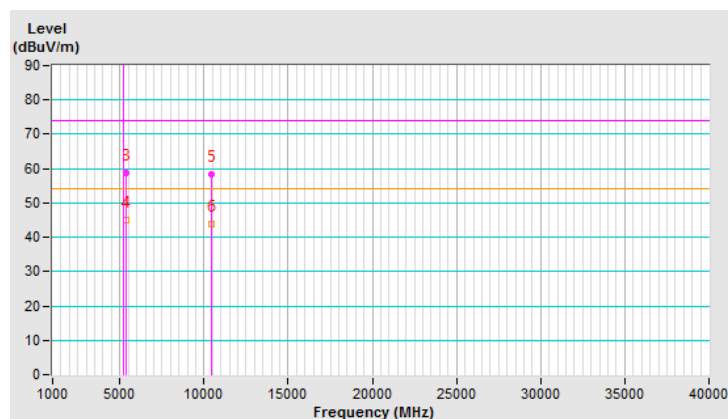


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	108.46 PK			1.52 V	300	100.34	8.12
2	*5230.00	98.70 AV			1.52 V	300	90.58	8.12
3	5350.00	58.72 PK	74.00	-15.28	1.52 V	300	50.14	8.58
4	5350.00	44.92 AV	54.00	-9.08	1.52 V	300	36.34	8.58
5	10460.00	58.21 PK	74.00	-15.79	1.18 V	236	39.34	18.87
6	10460.00	43.96 AV	54.00	-10.04	1.18 V	236	25.09	18.87
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.

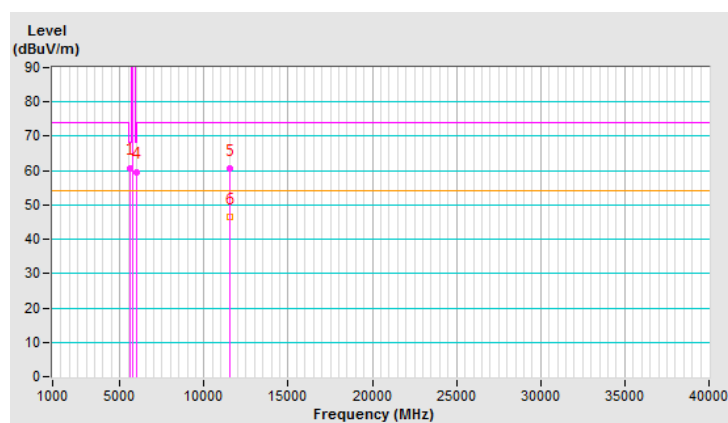


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5585.93	60.82 PK	68.20	-7.38	2.28 H	265	51.49	9.33
2	*5755.00	112.28 PK			2.28 H	265	102.88	9.40
3	*5755.00	102.62 AV			2.28 H	265	93.22	9.40
4	5954.46	59.66 PK	68.20	-8.54	2.28 H	265	49.81	9.85
5	11510.00	60.73 PK	74.00	-13.27	2.36 H	284	40.62	20.11
6	11510.00	46.50 AV	54.00	-7.50	2.36 H	284	26.39	20.11
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.

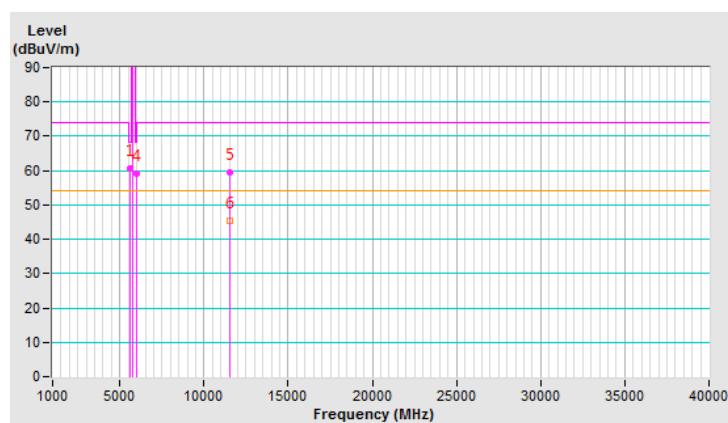


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5640.42	60.55 PK	68.20	-7.65	1.47 V	301	51.19	9.36
2	*5755.00	106.65 PK			1.47 V	301	97.25	9.40
3	*5755.00	98.09 AV			1.47 V	301	88.69	9.40
4	5956.87	59.24 PK	68.20	-8.96	1.47 V	301	49.36	9.88
5	11510.00	59.45 PK	74.00	-14.55	2.00 V	241	39.34	20.11
6	11510.00	45.39 AV	54.00	-8.61	2.00 V	241	25.28	20.11
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.

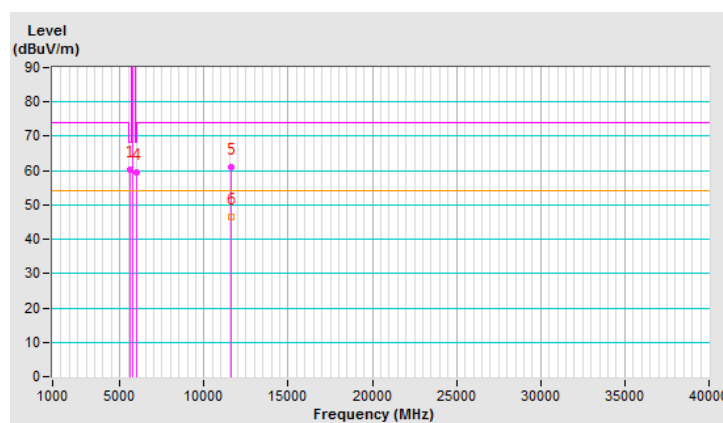


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5614.27	60.25 PK	68.20	-7.95	1.73 H	264	50.90	9.35
2	*5795.00	113.50 PK			1.73 H	264	104.08	9.42
3	*5795.00	103.78 AV			1.73 H	264	94.36	9.42
4	5966.04	59.49 PK	68.20	-8.71	1.73 H	264	49.59	9.90
5	11590.00	60.85 PK	74.00	-13.15	2.03 H	261	40.51	20.34
6	11590.00	46.59 AV	54.00	-7.41	2.03 H	261	26.25	20.34
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.

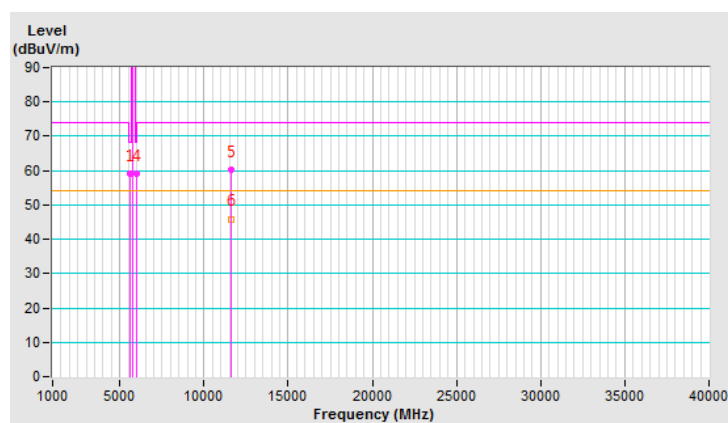


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=430Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5626.58	59.20 PK	68.20	-9.00	1.59 V	310	49.85	9.35
2	*5795.00	109.07 PK			1.59 V	310	99.65	9.42
3	*5795.00	99.08 AV			1.59 V	310	89.66	9.42
4	5997.39	59.23 PK	68.20	-8.97	1.59 V	310	49.21	10.02
5	11590.00	60.16 PK	74.00	-13.84	1.63 V	251	39.82	20.34
6	11590.00	45.95 AV	54.00	-8.05	1.63 V	251	25.61	20.34
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

REMARKS:

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



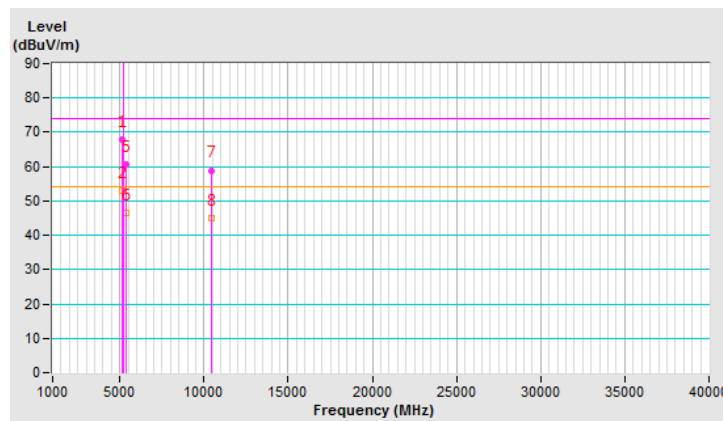
802.11ac (80MHz)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=910Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	67.73 PK	74.00	-6.27	2.34 H	263	59.93	7.80
2	5150.00	52.88 AV	54.00	-1.12	2.34 H	263	45.08	7.80
3	*5210.00	106.42 PK			2.34 H	263	98.37	8.05
4	*5210.00	96.11 AV			2.34 H	263	88.06	8.05
5	5350.00	60.65 PK	74.00	-13.35	2.34 H	263	52.07	8.58
6	5350.00	46.57 AV	54.00	-7.43	2.34 H	263	37.99	8.58
7	10420.00	58.91 PK	74.00	-15.09	1.82 H	216	40.19	18.72
8	10420.00	44.81 AV	54.00	-9.19	1.82 H	216	26.09	18.72
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.

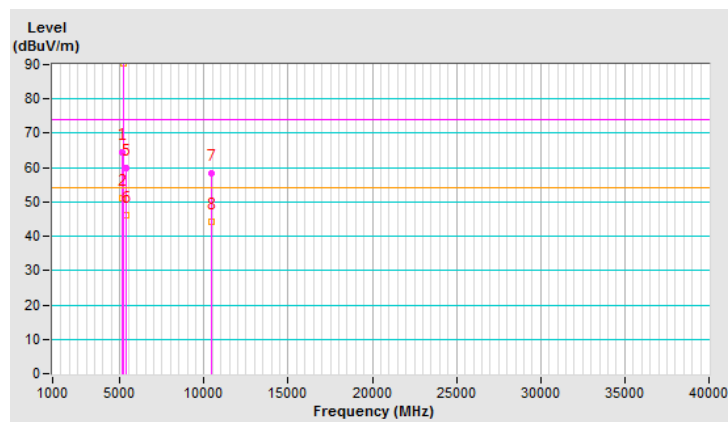


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=910Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 11 日	測試者：	張君煌

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	64.52 PK	74.00	-9.48	1.49 V	298	56.72	7.80
2	5150.00	51.12 AV	54.00	-2.88	1.49 V	298	43.32	7.80
3	*5210.00	100.79 PK			1.49 V	298	92.74	8.05
4	*5210.00	90.38 AV			1.49 V	298	82.33	8.05
5	5350.00	60.02 PK	74.00	-13.98	1.49 V	298	51.44	8.58
6	5350.00	46.02 AV	54.00	-7.98	1.49 V	298	37.44	8.58
7	10420.00	58.36 PK	74.00	-15.64	1.91 V	182	39.64	18.72
8	10420.00	44.06 AV	54.00	-9.94	1.91 V	182	25.34	18.72
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.

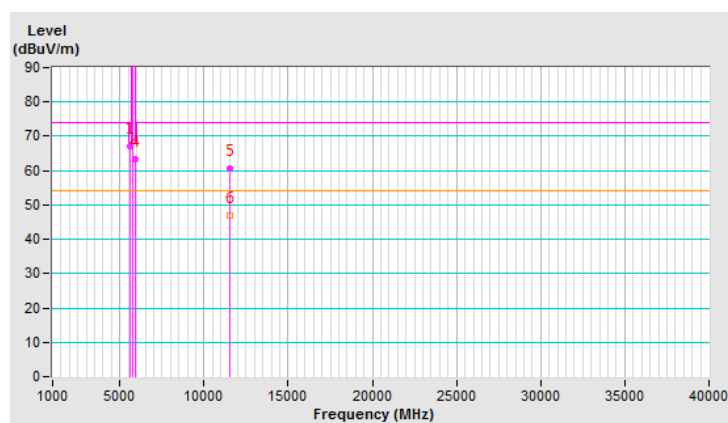


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=910Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	5629.74	67.08 PK	68.20	-1.12	1.77 H	265	57.73	9.35
2	*5775.00	107.68 PK			1.77 H	265	98.27	9.41
3	*5775.00	97.62 AV			1.77 H	265	88.21	9.41
4	5932.90	63.19 PK	68.20	-5.01	1.77 H	265	53.41	9.78
5	11550.00	60.55 PK	74.00	-13.45	2.05 H	122	40.33	20.22
6	11550.00	46.77 AV	54.00	-7.23	2.05 H	122	26.55	20.22
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.



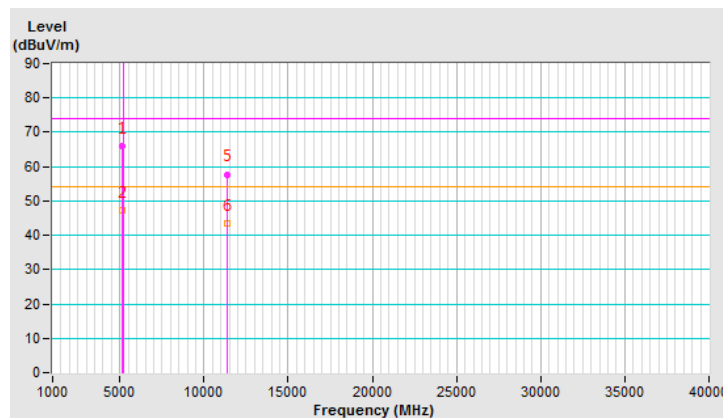
Beamforming_NSS1 Mode: 802.11ac (20MHz)

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=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	65.95 PK	74.00	-8.05	1.87 H	337	60.01	5.94
2	5150.00	47.18 AV	54.00	-6.82	1.87 H	337	41.24	5.94
3	*5180.00	116.38 PK			1.87 H	337	110.35	6.03
4	*5180.00	103.33 AV			1.87 H	337	97.30	6.03
5	#10360.00	-	-	-	-	-	-	-
6	11360.00	57.76 PK	74.00	-16.24	1.84 H	245	40.58	17.18
7	11360.00	43.52 AV	54.00	-10.48	1.84 H	245	26.34	17.18
8	15540.00	-	-	-	-	-	-	-
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#36260.00	-	-	-	-	-	-	-

REMARKS:

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

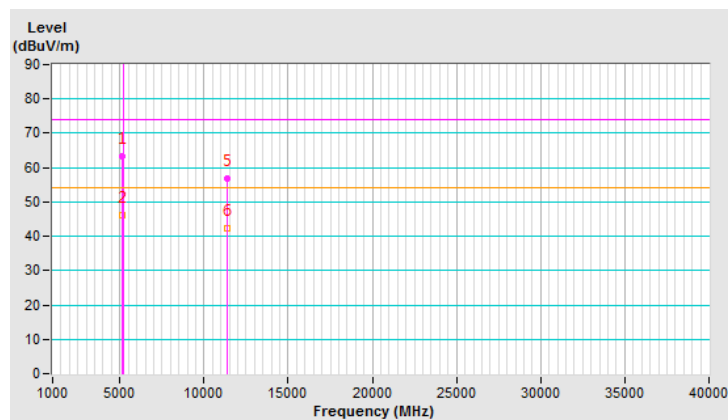


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	63.36 PK	74.00	-10.64	2.06 V	352	57.42	5.94
2	5150.00	46.10 AV	54.00	-7.90	2.06 V	352	40.16	5.94
3	*5180.00	113.49 PK			2.06 V	352	107.46	6.03
4	*5180.00	100.61 AV			2.06 V	352	94.58	6.03
5	#10360.00	-	-	-	-	-	-	-
6	11360.00	56.86 PK	74.00	-17.14	1.87 V	226	39.68	17.18
7	11360.00	42.26 AV	54.00	-11.74	1.87 V	226	25.08	17.18
8	15540.00	-	-	-	-	-	-	-
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#36260.00	-	-	-	-	-	-	-

REMARKS:

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

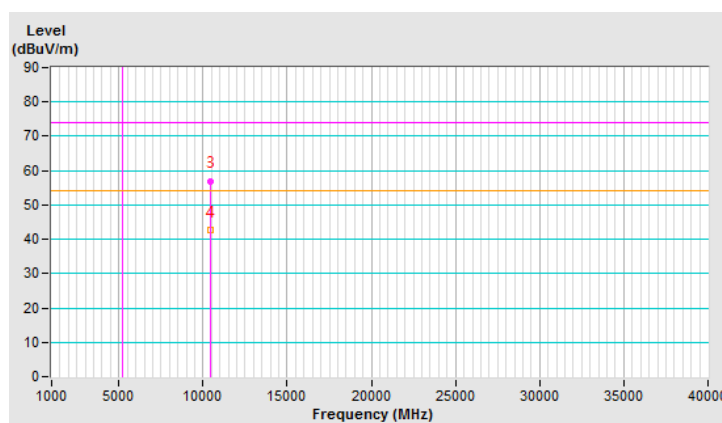


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	117.71 PK			1.83 H	337	111.60	6.11
2	*5200.00	104.66 AV			1.83 H	337	98.55	6.11
3	10400.00	57.00 PK	74.00	-17.00	1.63 H	228	40.74	16.26
4	10400.00	42.78 AV	54.00	-11.22	1.63 H	228	26.52	16.26
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.

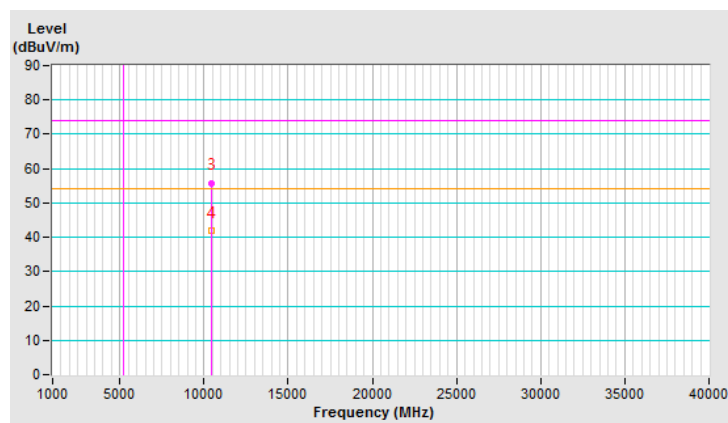


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	115.00 PK			2.13 V	346	108.89	6.11
2	*5200.00	101.80 AV			2.13 V	346	95.69	6.11
3	10400.00	55.84 PK	74.00	-18.16	1.85 V	293	39.58	16.26
4	10400.00	42.07 AV	54.00	-11.93	1.85 V	293	25.81	16.26
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.

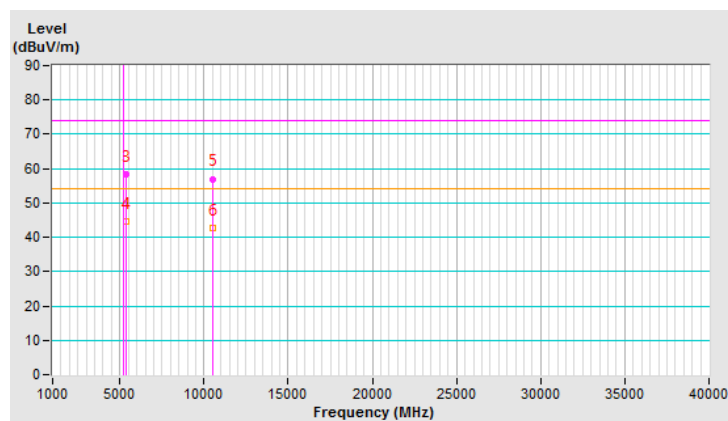


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	119.30 PK			2.25 H	347	113.03	6.27
2	*5240.00	105.52 AV			2.25 H	347	99.25	6.27
3	5350.00	58.49 PK	74.00	-15.51	2.25 H	347	51.74	6.75
4	5350.00	44.44 AV	54.00	-9.56	2.25 H	347	37.69	6.75
5	10480.00	57.01 PK	74.00	-16.99	2.36 H	124	40.54	16.47
6	10480.00	42.81 AV	54.00	-11.19	2.36 H	124	26.34	16.47
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.

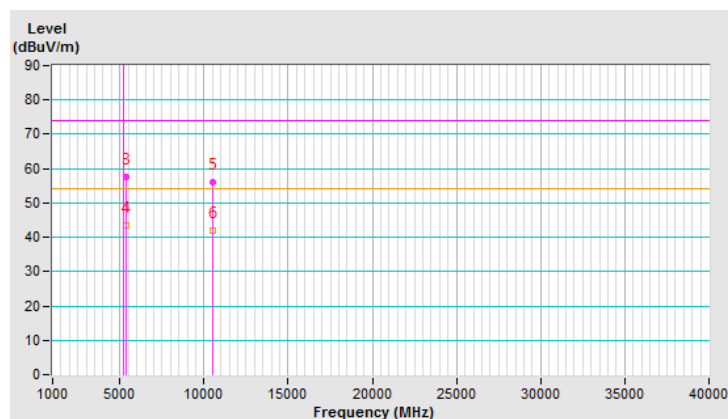


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	116.14 PK			1.84 V	353	109.87	6.27
2	*5240.00	102.65 AV			1.84 V	353	96.38	6.27
3	5350.00	57.52 PK	74.00	-16.48	1.84 V	353	50.77	6.75
4	5350.00	43.36 AV	54.00	-10.64	1.84 V	353	36.61	6.75
5	10480.00	56.11 PK	74.00	-17.89	1.42 V	228	39.64	16.47
6	10480.00	41.81 AV	54.00	-12.19	1.42 V	228	25.34	16.47
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.

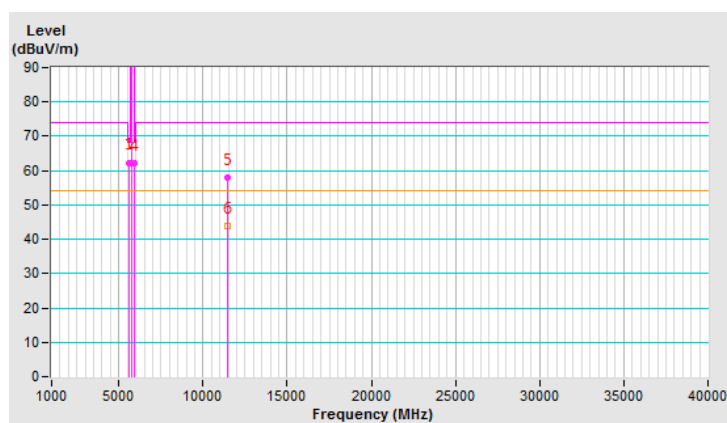


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5625.06	62.32 PK	68.20	-5.88	1.97 H	348	54.96	7.36
2	*5745.00	117.97 PK			1.97 H	348	110.58	7.39
3	*5745.00	105.24 AV			1.97 H	348	97.85	7.39
4	5942.67	61.98 PK	68.20	-6.22	1.97 H	348	54.10	7.88
5	11490.00	58.04 PK	74.00	-15.96	1.25 H	202	40.84	17.20
6	11490.00	43.76 AV	54.00	-10.24	1.25 H	202	26.56	17.20
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.

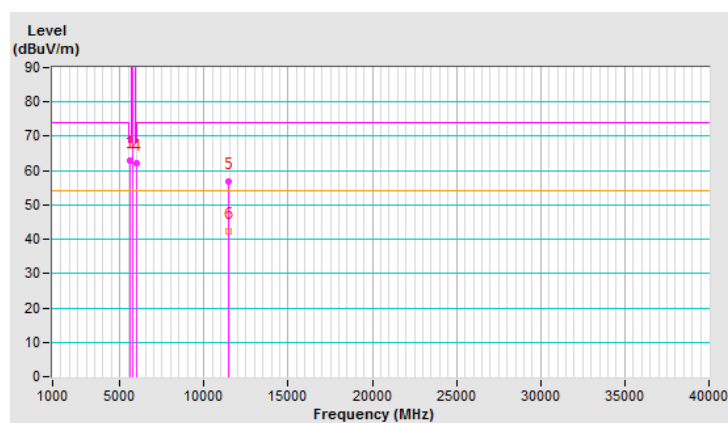


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5634.13	62.97 PK	68.20	-5.23	2.16 V	320	55.60	7.37
2	*5745.00	114.24 PK			3.16 V	320	106.85	7.39
3	*5745.00	101.04 AV			3.16 V	320	93.65	7.39
4	5964.94	62.07 PK	68.20	-6.13	3.16 V	320	54.09	7.98
5	11490.00	56.87 PK	74.00	-17.13	1.57 V	221	39.67	17.20
6	11490.00	42.33 AV	54.00	-11.67	1.57 V	221	25.13	17.20
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.

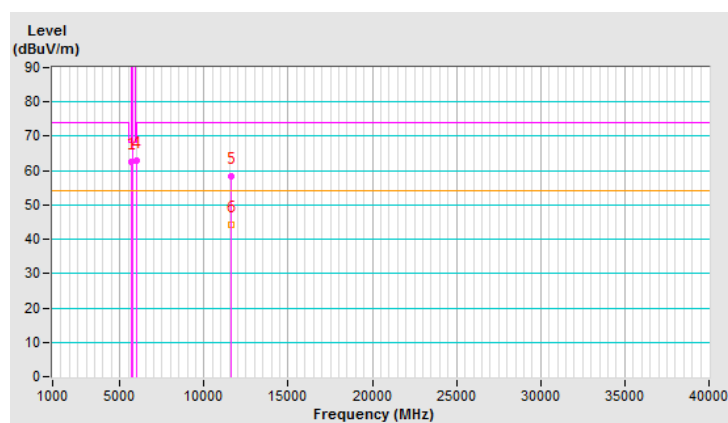


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5642.65	62.61 PK	68.20	-5.59	2.05 H	354	55.26	7.35
2	*5785.00	118.27 PK			2.05 H	354	110.84	7.43
3	*5785.00	104.85 AV			2.05 H	354	97.42	7.43
4	5976.60	63.00 PK	68.20	-5.20	2.05 H	354	54.97	8.03
5	11570.00	58.20 PK	74.00	-15.80	2.25 H	285	40.94	17.26
6	11570.00	44.07 AV	54.00	-9.93	2.25 H	285	26.81	17.26
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.

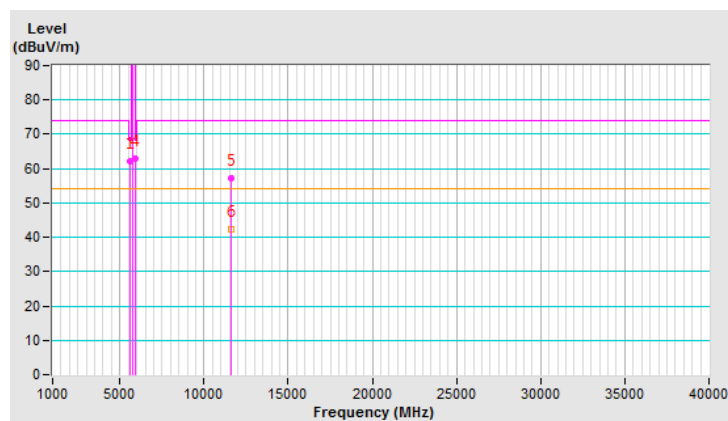


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5635.19	61.98 PK	68.20	-6.22	2.26 V	342	54.62	7.36
2	*5785.00	112.68 PK			2.26 V	342	105.25	7.43
3	*5785.00	99.77 AV			2.26 V	342	92.34	7.43
4	5939.08	62.77 PK	68.20	-5.43	2.26 V	342	54.90	7.87
5	11570.00	57.10 PK	74.00	-16.90	1.88 V	259	39.84	17.26
6	11570.00	42.42 AV	54.00	-11.58	1.88 V	259	25.16	17.26
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.

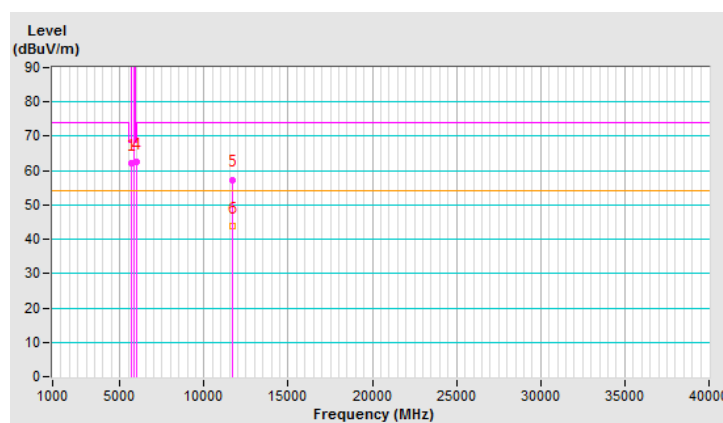


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5649.57	62.29 PK	68.20	-5.91	2.03 H	354	54.93	7.36
2	*5825.00	117.65 PK			2.03 H	354	110.14	7.51
3	*5825.00	104.36 AV			2.03 H	354	96.85	7.51
4	5987.72	62.50 PK	68.20	-5.70	2.03 H	354	54.42	8.08
5	11650.00	57.38 PK	74.00	-16.62	1.75 H	104	40.15	17.23
6	11650.00	43.87 AV	54.00	-10.13	1.75 H	104	26.64	17.23
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.

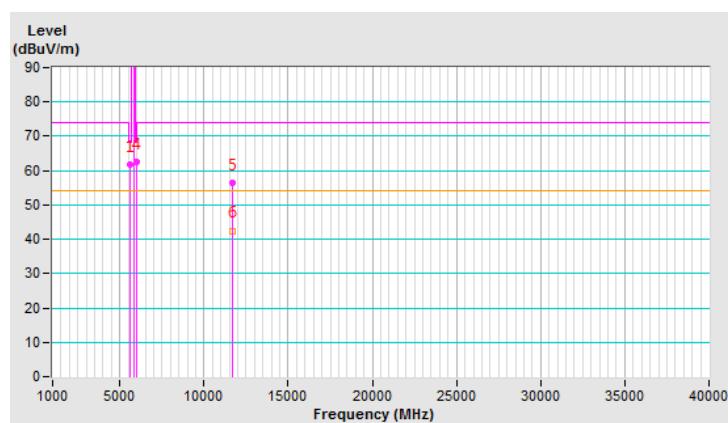


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=130Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5626.72	61.66 PK	68.20	-6.54	2.23 V	333	54.30	7.36
2	*5825.00	112.85 PK			2.33 V	333	105.34	7.51
3	*5825.00	99.83 AV			2.33 V	333	92.32	7.51
4	5981.07	62.65 PK	68.20	-5.55	2.23 V	333	54.61	8.04
5	11650.00	56.48 PK	74.00	-17.52	1.28 V	314	39.25	17.23
6	11650.00	42.49 AV	54.00	-11.51	1.28 V	314	25.26	17.23
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.



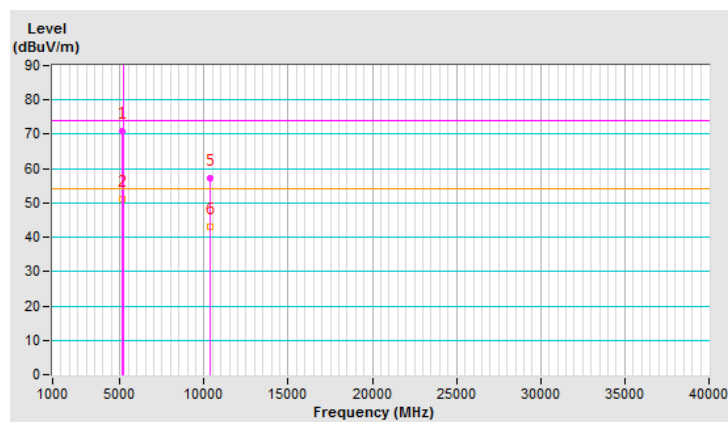
802.11ac (40MHz)

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=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	70.94 PK	74.00	-3.06	1.87 H	339	65.00	5.94
2	5150.00	51.08 AV	54.00	-2.92	1.87 H	339	45.14	5.94
3	*5190.00	117.16 PK			1.87 H	339	111.09	6.07
4	*5190.00	102.17 AV			1.87 H	339	96.10	6.07
5	10380.00	57.04 PK	74.00	-16.96	1.36 H	264	40.85	16.19
6	10380.00	43.04 AV	54.00	-10.96	1.36 H	264	26.85	16.19
7	15570.00	-	-	-	-	-	-	-
8	20760.00	-	-	-	-	-	-	-
9	#25950.00	-	-	-	-	-	-	-
10	#31140.00	-	-	-	-	-	-	-
11	#36330.00	-	-	-	-	-	-	-

REMARKS:

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

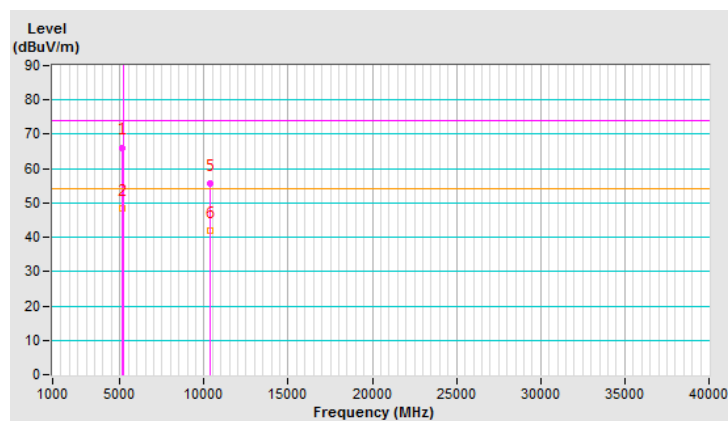


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	66.15 PK	74.00	-7.85	2.09 V	356	60.21	5.94
2	5150.00	48.26 AV	54.00	-5.74	2.09 V	356	42.32	5.94
3	*5190.00	113.52 PK			2.09 V	356	107.45	6.07
4	*5190.00	98.65 AV			2.09 V	356	92.58	6.07
5	10380.00	55.79 PK	74.00	-18.21	2.34 V	186	39.60	16.19
6	10380.00	42.03 AV	54.00	-11.97	2.34 V	186	25.84	16.19
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.

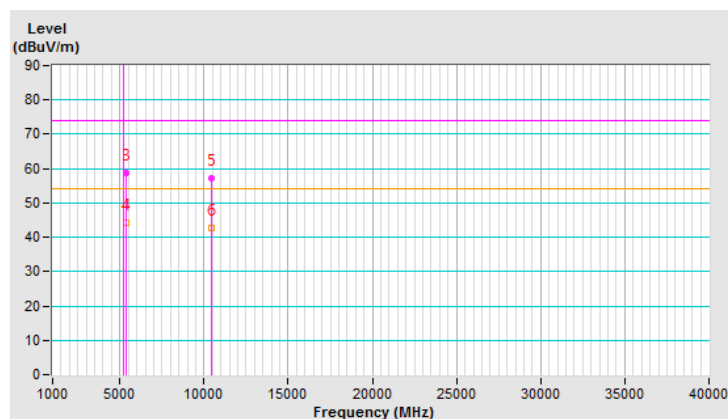


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	116.12 PK			1.86 H	334	109.89	6.23
2	*5230.00	101.69 AV			1.86 H	334	95.46	6.23
3	5350.00	58.71 PK	74.00	-15.29	1.86 H	334	51.96	6.75
4	5350.00	44.27 AV	54.00	-9.73	1.86 H	334	37.52	6.75
5	10460.00	57.25 PK	74.00	-16.75	1.91 H	205	40.84	16.41
6	10460.00	42.57 AV	54.00	-11.43	1.91 H	205	26.16	16.41
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.

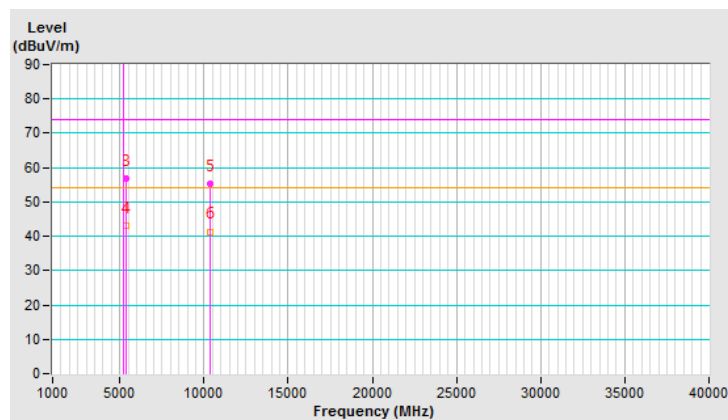


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	111.64 PK			2.16 V	331	105.41	6.23
2	*5230.00	97.86 AV			2.16 V	331	91.63	6.23
3	5350.00	56.89 PK	74.00	-17.11	2.16 V	331	50.14	6.75
4	5350.00	43.18 AV	54.00	-10.82	2.16 V	331	36.43	6.75
5	10360.00	55.24 PK	74.00	-18.76	1.64 V	283	39.14	16.10
6	10360.00	41.36 AV	54.00	-12.64	1.64 V	283	25.26	16.10
7	#10460.00	-	-	-	-	-	-	-
8	15690.00	-	-	-	-	-	-	-
9	20920.00	-	-	-	-	-	-	-
10	#26150.00	-	-	-	-	-	-	-
11	31380.00	-	-	-	-	-	-	-
12	#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.

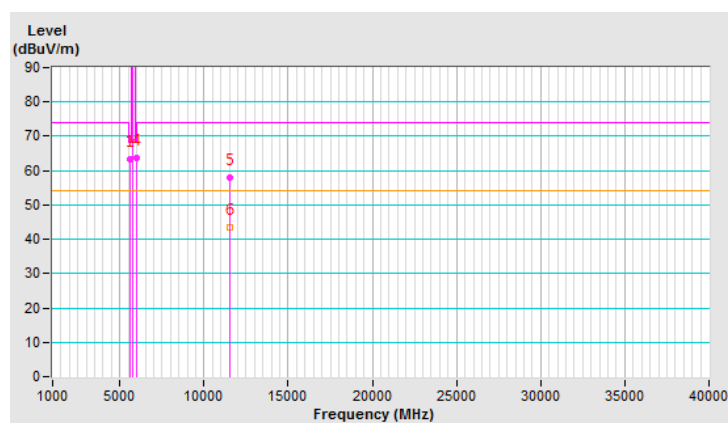


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5639.19	63.37 PK	68.20	-4.83	1.57 H	351	56.01	7.36
2	*5755.00	117.85 PK			1.57 H	351	110.45	7.40
3	*5755.00	105.25 AV			1.57 H	351	97.85	7.40
4	5961.86	63.63 PK	68.20	-4.57	1.57 H	351	55.66	7.97
5	11510.00	57.91 PK	74.00	-16.09	1.36 H	64	40.71	17.20
6	11510.00	43.47 AV	54.00	-10.53	1.36 H	64	26.27	17.20
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.

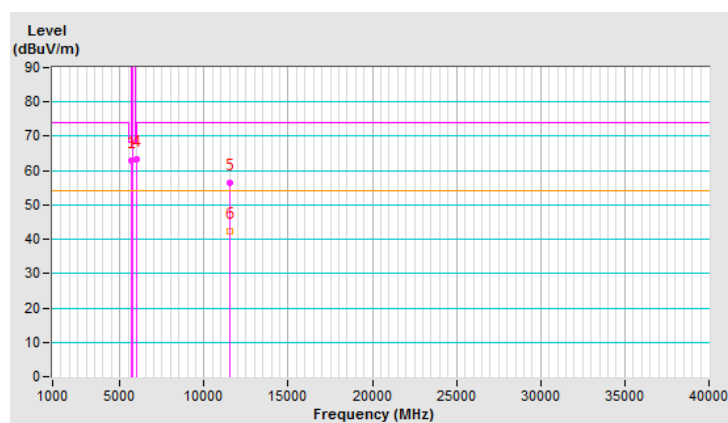


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5642.14	62.75 PK	68.20	-5.45	2.16 V	342	55.40	7.35
2	*5755.00	113.62 PK			2.16 V	342	106.22	7.40
3	*5755.00	100.96 AV			2.16 V	342	93.56	7.40
4	5981.35	63.42 PK	68.20	-4.78	2.16 V	342	55.37	8.05
5	11510.00	56.36 PK	74.00	-17.64	2.71 V	125	39.16	17.20
6	11510.00	42.28 AV	54.00	-11.72	2.71 V	125	25.08	17.20
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.

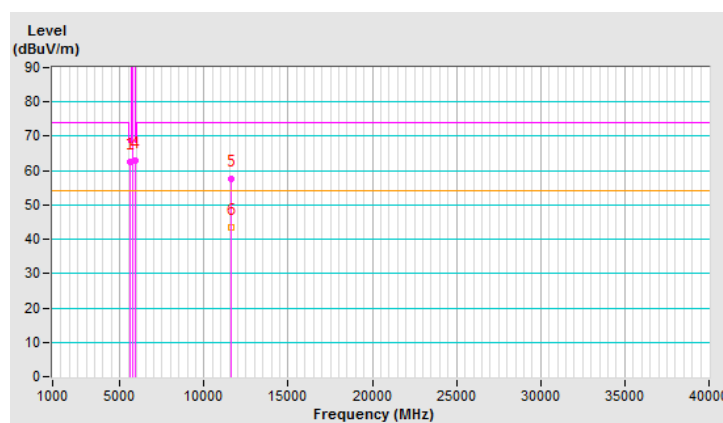


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5614.55	62.60 PK	68.20	-5.60	2.06 H	352	55.23	7.37
2	*5795.00	118.58 PK			2.06 H	352	111.13	7.45
3	*5795.00	104.59 AV			2.06 H	352	97.14	7.45
4	5948.32	63.07 PK	68.20	-5.13	2.06 H	352	55.16	7.91
5	11590.00	57.50 PK	74.00	-16.50	1.81 H	230	40.23	17.27
6	11590.00	43.61 AV	54.00	-10.39	1.81 H	230	26.34	17.27
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.

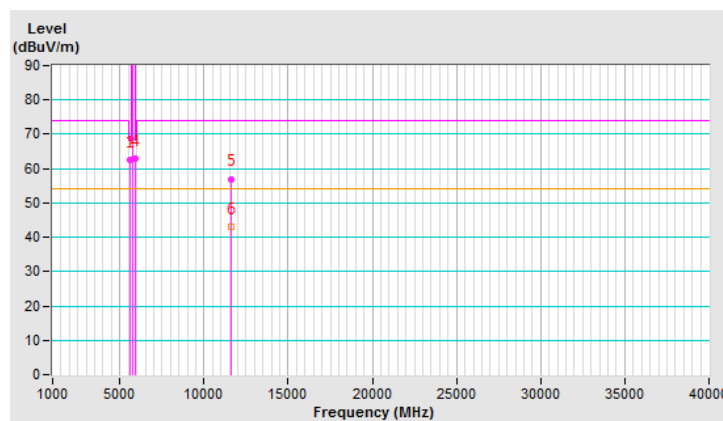


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5616.68	62.68 PK	68.20	-5.52	2.21 V	332	55.32	7.36
2	*5795.00	113.86 PK			2.21 V	332	106.41	7.45
3	*5795.00	100.70 AV			2.21 V	332	93.25	7.45
4	5933.30	62.89 PK	68.20	-5.31	2.21 V	332	55.04	7.85
5	11590.00	57.01 PK	74.00	-16.99	1.86 V	151	39.74	17.27
6	11590.00	42.91 AV	54.00	-11.09	1.86 V	151	25.64	17.27
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

REMARKS:

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



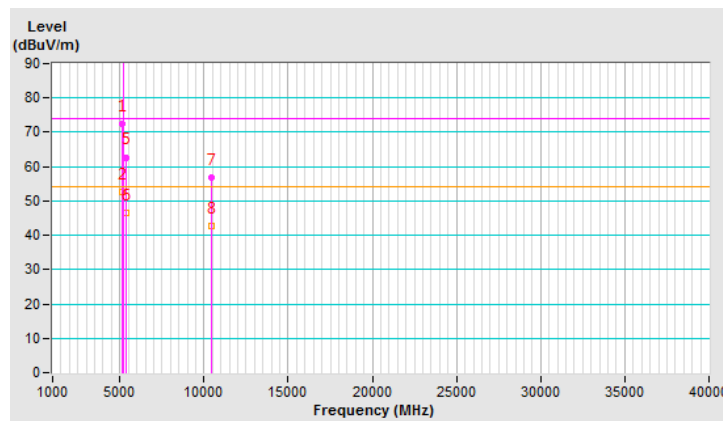
802.11ac (80MHz)

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	72.29 PK	74.00	-1.71	1.88 H	336	66.35	5.94
2	5150.00	52.51 AV	54.00	-1.49	1.88 H	336	46.57	5.94
3	*5210.00	112.44 PK			1.88 H	336	106.29	6.15
4	*5210.00	99.51 AV			1.88 H	336	93.36	6.15
5	5350.00	62.71 PK	74.00	-11.29	1.88 H	336	55.96	6.75
6	5350.00	46.36 AV	54.00	-7.64	1.88 H	336	39.61	6.75
7	10420.00	56.74 PK	74.00	-17.26	1.64 H	251	40.43	16.31
8	10420.00	42.67 AV	54.00	-11.33	1.64 H	251	26.36	16.31
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.

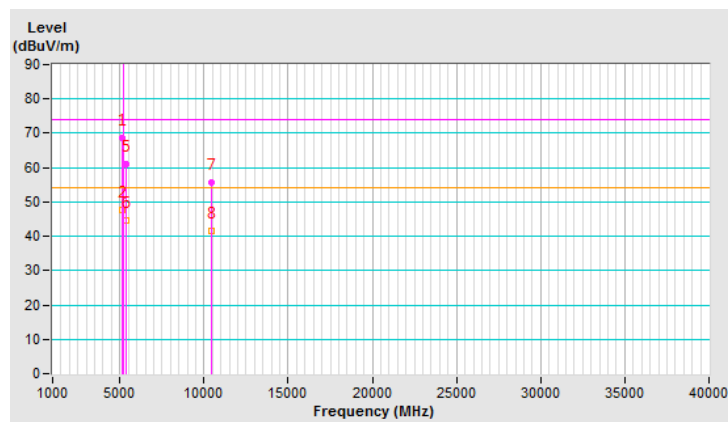


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	68.48 PK	74.00	-5.52	2.11 V	347	62.54	5.94
2	5150.00	47.63 AV	54.00	-6.37	2.11 V	347	41.69	5.94
3	*5210.00	108.30 PK			2.11 V	347	102.15	6.15
4	*5210.00	96.04 AV			2.11 V	347	89.89	6.15
5	5350.00	60.91 PK	74.00	-13.09	2.11 V	347	54.16	6.75
6	5350.00	44.64 AV	54.00	-9.36	2.11 V	347	37.89	6.75
7	10420.00	55.62 PK	74.00	-18.38	1.44 V	211	39.31	16.31
8	10420.00	41.47 AV	54.00	-12.53	1.44 V	211	25.16	16.31
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.

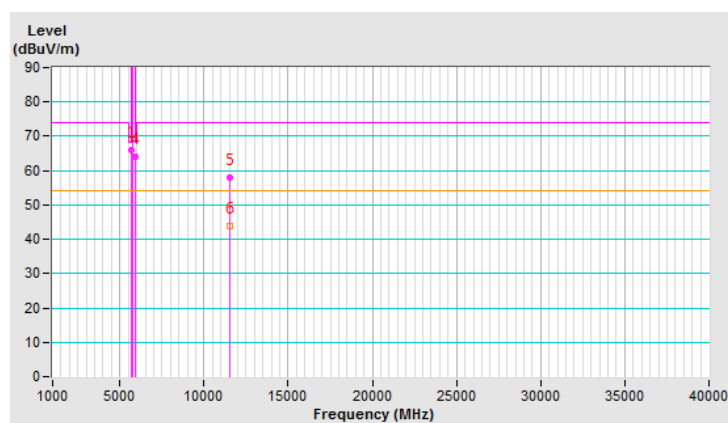


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

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	5648.19	65.97 PK	68.20	-2.23	1.95 H	336	58.61	7.36
2	*5775.00	117.27 PK			1.95 H	336	109.85	7.42
3	*5775.00	102.67 AV			1.95 H	336	95.25	7.42
4	5930.75	64.20 PK	68.20	-4.00	1.95 H	336	56.36	7.84
5	11550.00	58.08 PK	74.00	-15.92	1.52 H	130	40.84	17.24
6	11550.00	43.79 AV	54.00	-10.21	1.52 H	130	26.55	17.24
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.

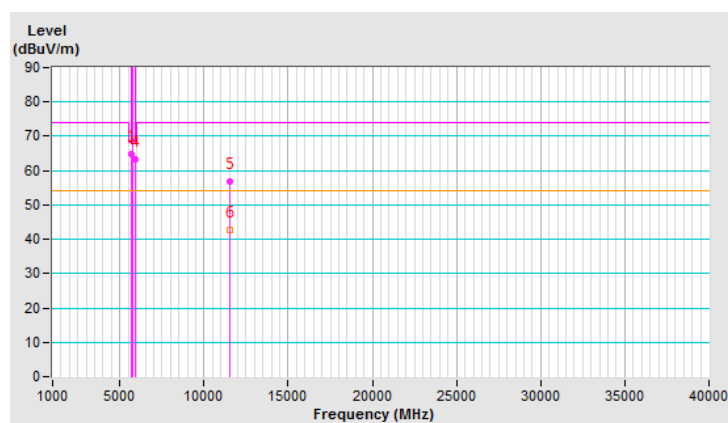


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	31°C	量測場地濕度：	63%RH
測試日期：	106 年 7 月 21 日	測試者：	張君煌

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5649.20	64.74 PK	68.20	-3.46	2.17 V	315	57.38	7.36
2	*5775.00	112.66 PK			2.17 V	315	105.24	7.42
3	*5775.00	98.86 AV			2.17 V	315	91.44	7.42
4	5929.30	63.36 PK	68.20	-4.84	2.17 V	315	55.54	7.82
5	11550.00	56.65 PK	74.00	-17.35	1.45 V	214	39.41	17.24
6	11550.00	42.58 AV	54.00	-11.42	1.45 V	214	25.34	17.24
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.



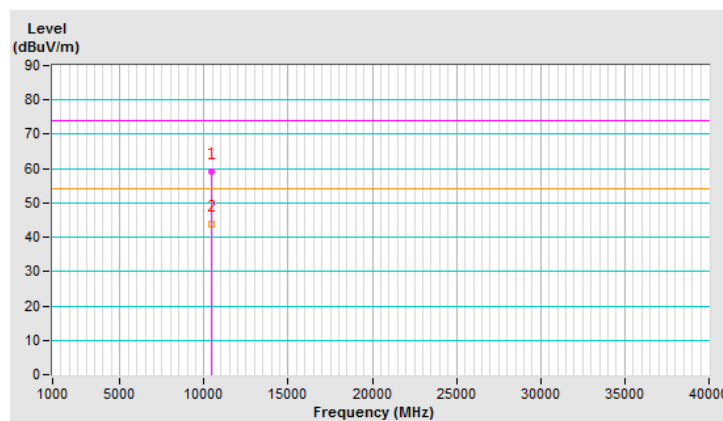
9.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	59.00 PK	74.00	-15.00	2.51 H	231	40.36	18.64
2	10400.00	43.96 AV	54.00	-10.04	2.51 H	231	25.32	18.64

REMARKS:

1. Emission Level(dBuV/m) = 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

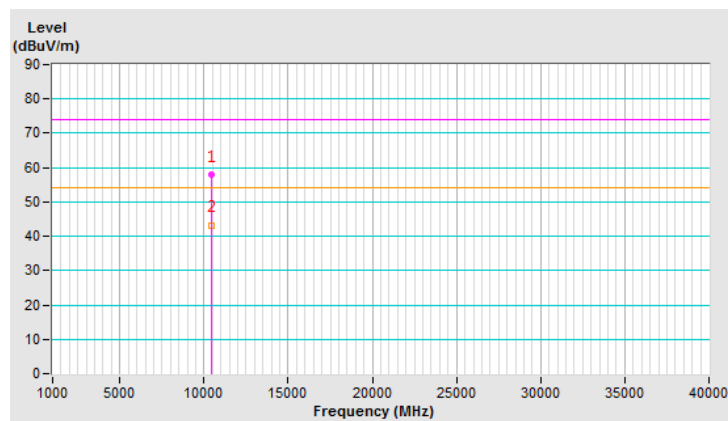


操作模式：	接收		
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	20°C	量測場地濕度：	67%RH
測試日期：	106 年 5 月 12 日	測試者：	張君煌

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	57.96 PK	74.00	-16.04	1.42 V	222	39.32	18.64
2	10400.00	43.27 AV	54.00	-10.73	1.42 V	222	24.63	18.64

REMARKS:

1. Emission Level(dBuV/m) = 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



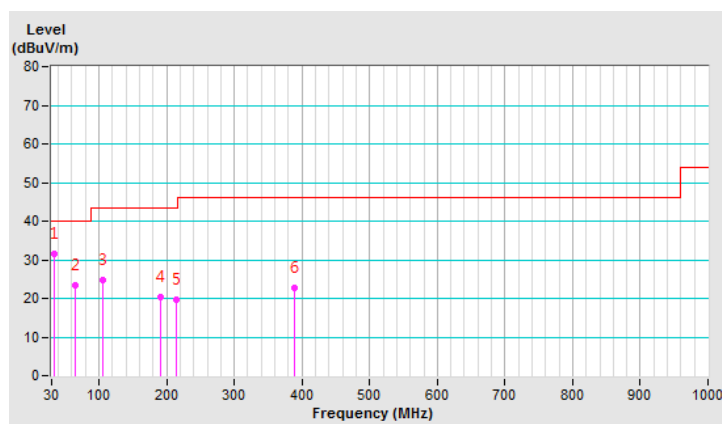
9.6.3 其它不必要之訊號

操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	24°C	量測場地濕度：	68%RH
測試日期：	106 年 5 月 15 日	測試者：	張君煌

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	34.51	31.58 QP	40.00	-8.42	1.93 H	51	42.32	-10.74
2	64.58	23.45 QP	40.00	-16.55	2.41 H	274	34.01	-10.56
3	106.05	24.81 QP	43.50	-18.69	1.92 H	138	37.90	-13.09
4	190.73	20.40 QP	43.50	-23.10	2.71 H	138	31.68	-11.28
5	214.45	19.65 QP	43.50	-23.85	1.16 H	321	30.87	-11.22
6	389.29	22.75 QP	46.00	-23.25	1.23 H	360	28.31	-5.56

REMARKS:

1. Emission Level(dBuV/m) = 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.

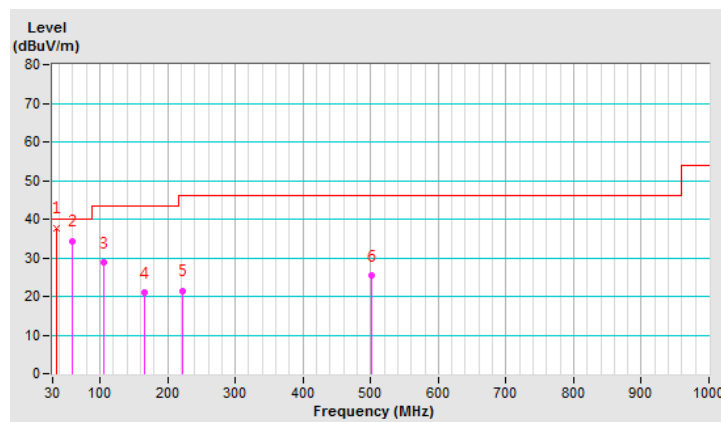


操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	24°C	量測場地濕度：	68%RH
測試日期：	106 年 5 月 15 日	測試者：	張君煌

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	34.93	37.62 QP	40.00	-2.38	1.33 V	327	48.27	-10.65
2	59.54	34.31 QP	40.00	-5.69	1.55 V	360	44.04	-9.73
3	105.81	28.68 QP	43.50	-14.82	1.80 V	212	41.80	-13.12
4	165.36	20.89 QP	43.50	-22.61	2.23 V	201	30.04	-9.15
5	221.14	21.39 QP	46.00	-24.61	1.42 V	185	32.70	-11.31
6	501.61	25.29 QP	46.00	-20.71	1.81 V	182	28.28	-2.99

REMARKS:

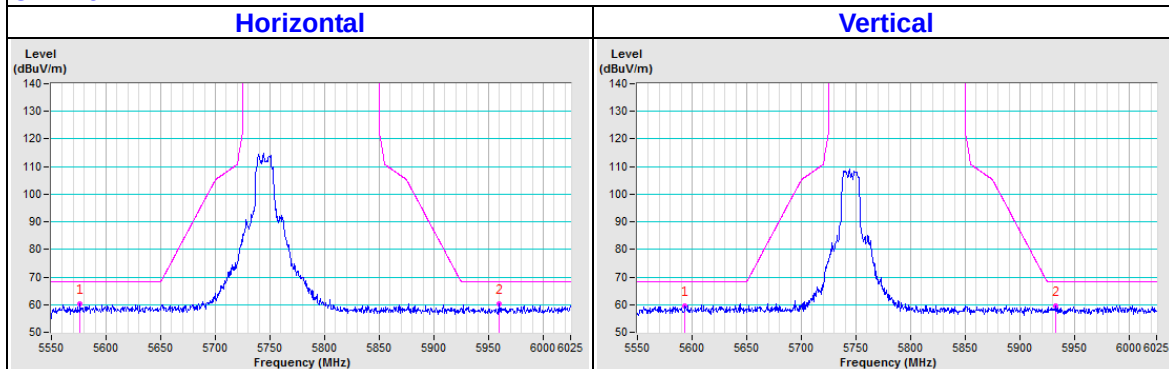
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit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



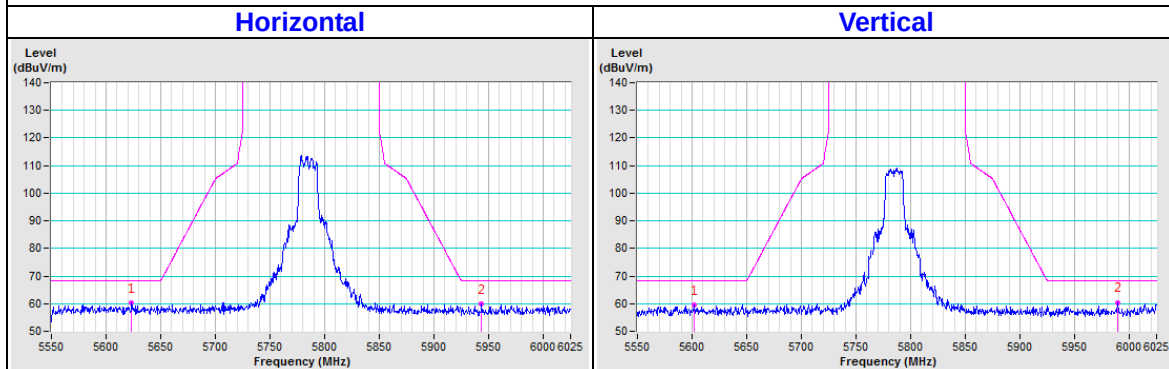
9.6.4 帶外發射之量測 (For 5.725 GHz~5.850 GHz band)

CDD Mode: 802.11a

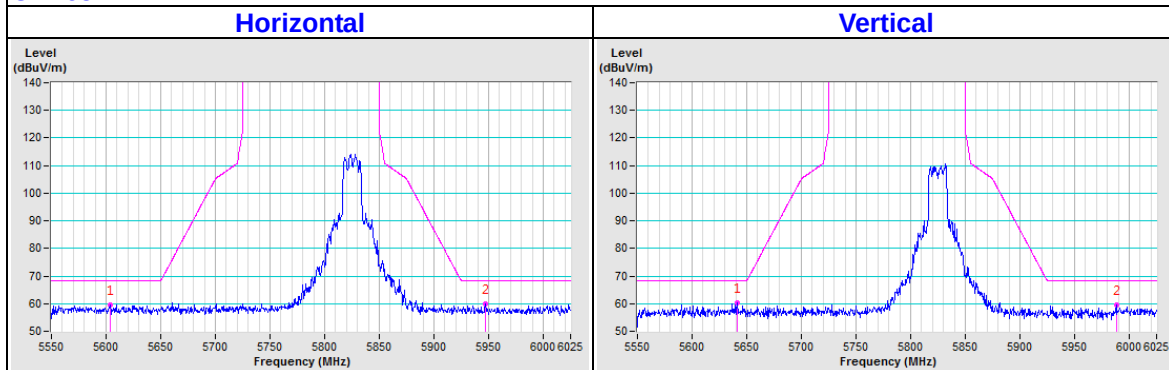
CH 149



CH157

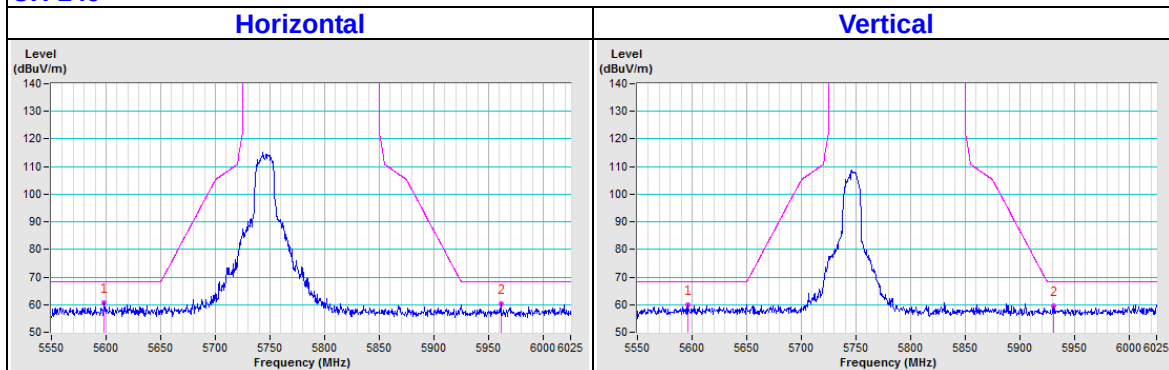


CH165

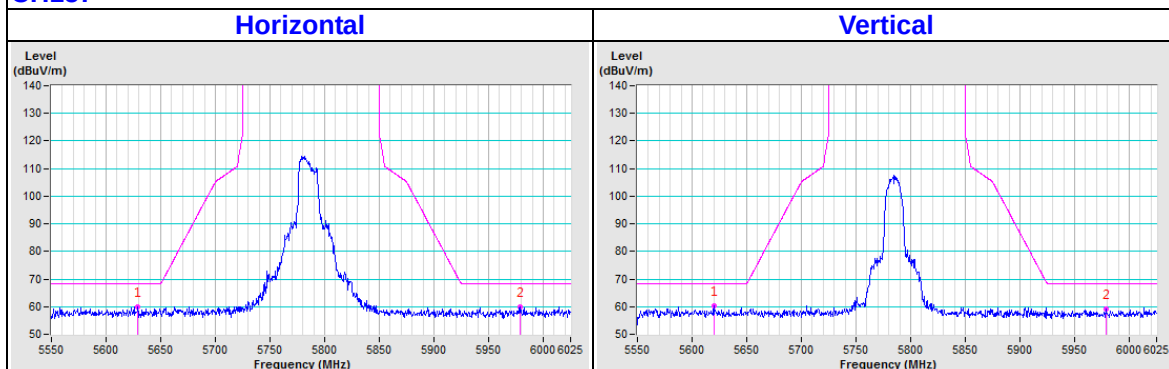


802.11ac (20MHz)

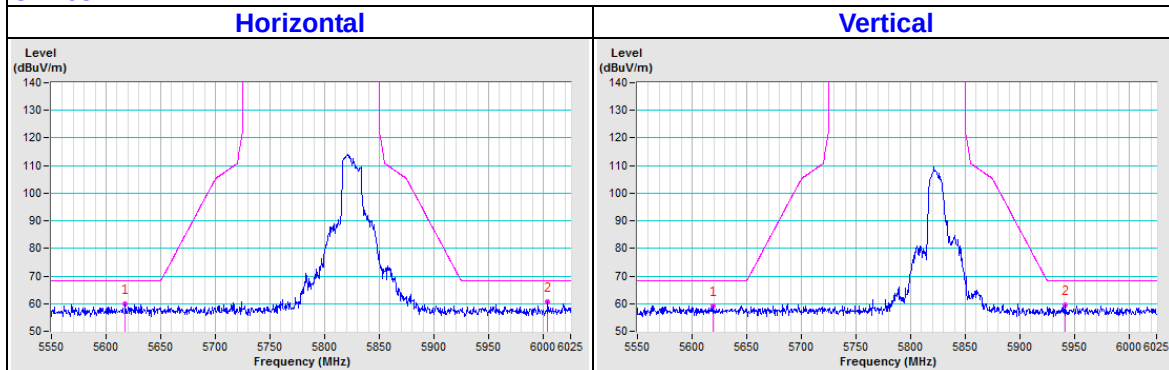
CH 149



CH157

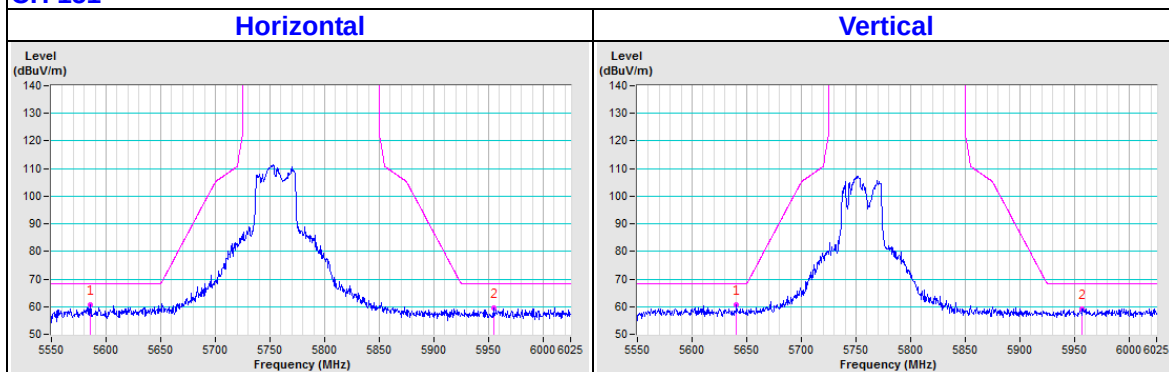


CH165

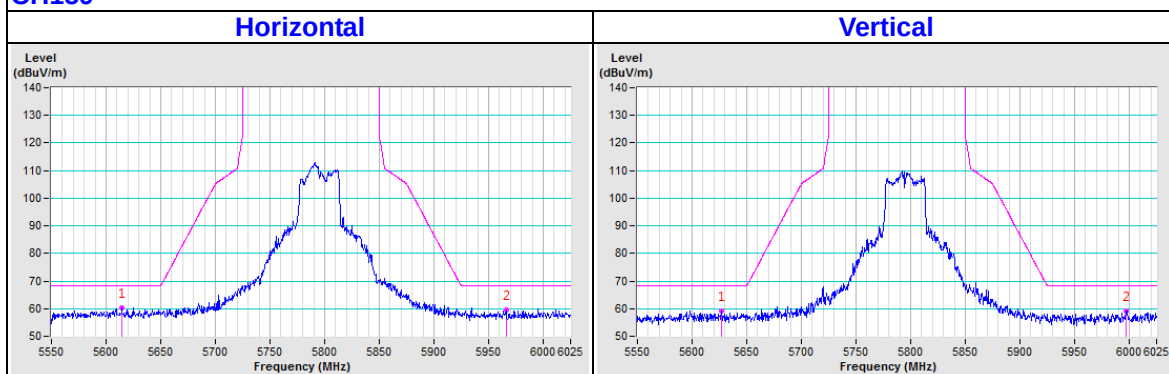


802.11ac (40MHz)

CH 151

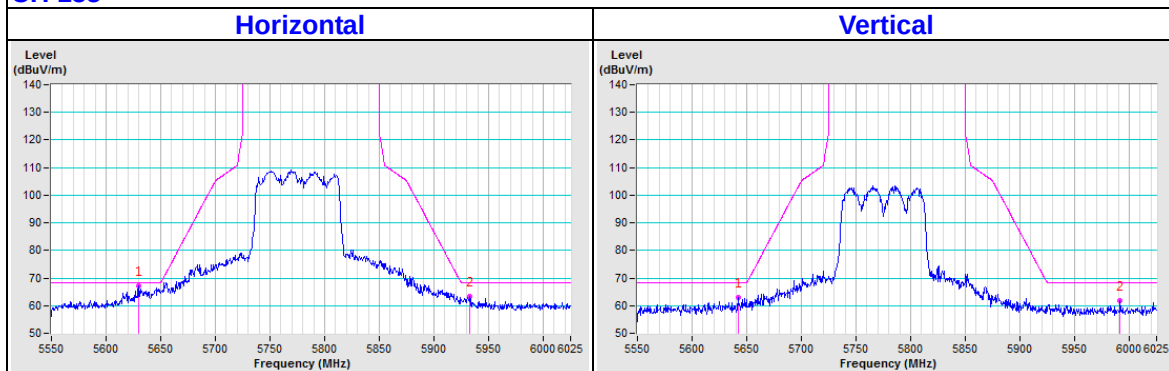


CH159



802.11ac (80MHz)

CH 155



9.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

9.8 輻射量測之配置照片

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

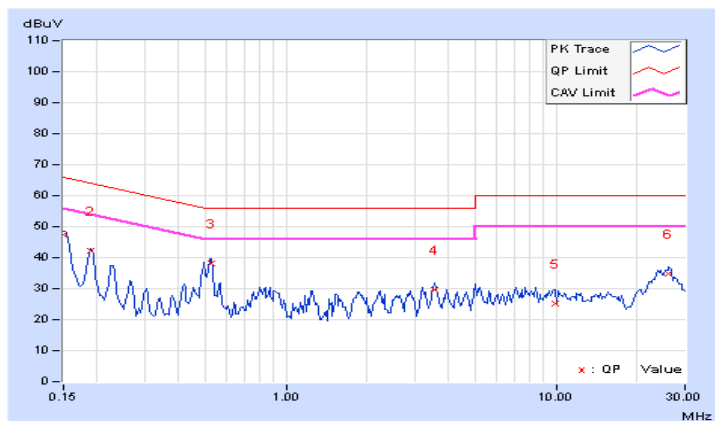
CDD Mode:

操作模式	發射		
基本波頻率	CH 157 : 5785 MHz	測試日期	106 年 5 月 16 日
量測場地溫度	26°C	量測場地濕度	77%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	9.62	37.85	31.30	47.47	40.92	66.00	56.00	-18.53	-15.08
0.18906	9.62	32.50	25.65	42.12	35.27	64.08	54.08	-21.96	-18.81
0.52891	9.65	28.58	27.19	38.23	36.84	56.00	46.00	-17.77	-9.16
3.55859	9.82	19.78	13.16	29.60	22.98	56.00	46.00	-26.40	-23.02
9.86719	9.94	15.32	8.81	25.26	18.75	60.00	50.00	-34.74	-31.25
26.12109	10.10	24.89	19.05	34.99	29.15	60.00	50.00	-25.01	-20.85

NOTE:

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

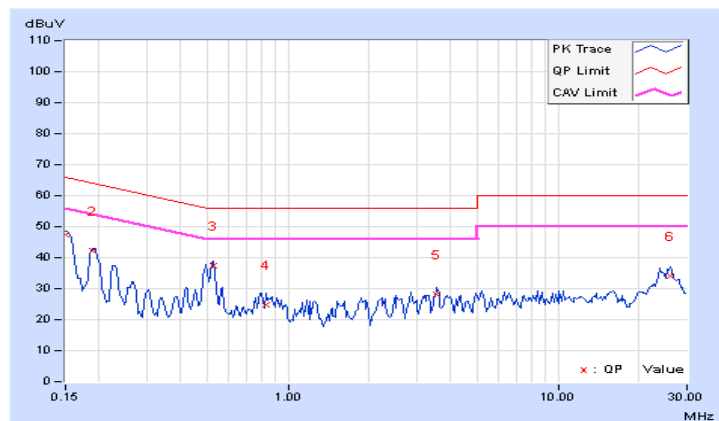


操作模式	發射		
基本波頻率	CH 157 : 5785 MHz	測試日期	106 年 5 月 16 日
量測場地溫度	26°C	量測場地濕度	77%RH
測試者	張君煌		

		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	9.65	37.81	30.72	47.46	40.37	66.00	56.00	-18.54	-15.63
0.18906	9.64	32.47	25.23	42.11	34.87	64.08	54.08	-21.97	-19.21
0.52891	9.66	27.65	26.17	37.31	35.83	56.00	46.00	-18.69	-10.17
0.82578	9.68	15.29	10.08	24.97	19.76	56.00	46.00	-31.03	-26.24
3.56250	9.82	18.23	11.46	28.05	21.28	56.00	46.00	-27.95	-24.72
25.96875	10.32	23.91	18.25	34.23	28.57	60.00	50.00	-25.77	-21.43

NOTE:

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



10.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

10.8 配置照片

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。

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

CDD Mode:

操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

For U-NII-1 Band (Outdoor Access Point)

Chan.	Freq. (MHz)	Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Gain (dBi)	EIRP (dBm)	EIRP limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
802.11a										
36	5180	10.59	10.87	23.673	13.74	29.03	6.97	20.71	21.00	Pass
40	5200	10.60	10.89	23.756	13.76	29.03	6.97	20.73	21.00	Pass
48	5240	10.63	10.97	24.064	13.81	29.03	6.97	20.78	21.00	Pass
802.11ac (20MHz)										
36	5180	10.63	10.96	24.035	13.81	29.03	6.97	20.78	21.00	Pass
40	5200	10.68	10.99	24.255	13.85	29.03	6.97	20.82	21.00	Pass
48	5240	10.69	11.01	24.340	13.86	29.03	6.97	20.83	21.00	Pass
802.11ac (40MHz)										
38	5190	10.65	10.97	24.117	13.82	29.03	6.97	20.79	21.00	Pass
46	5230	10.68	11.04	24.401	13.87	29.03	6.97	20.84	21.00	Pass
802.11ac (80MHz)										
42	5210	10.51	11.10	24.128	13.83	29.03	6.97	20.80	21.00	Pass

Gain = 6.97 dBi > 6dBi, so the power limit shall be reduced to $30 - (6.97 - 6) = 29.03$ dBm.

Gain = 6.97 dBi (above 30 degrees from the horizon),

EIRP = conducted power + (6.97 dBi) + array gain = (0 dB (i.e., no array gain) for $N_{ANT} \leq 4$).

For U-NII-3 Band

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
802.11a							
149	5745	22.69	23.87	429.561	26.33	29.38	Pass
157	5785	22.87	23.96	442.528	26.46	29.38	Pass
165	5825	22.86	23.95	441.510	26.45	29.38	Pass
802.11ac (20MHz)							
149	5745	22.54	24.00	430.662	26.34	29.38	Pass
157	5785	22.62	24.01	434.578	26.38	29.38	Pass
165	5825	22.71	24.05	440.735	26.44	29.38	Pass
802.11ac (40MHz)							
151	5755	22.36	23.58	400.221	26.02	29.38	Pass
159	5795	22.45	23.62	405.936	26.08	29.38	Pass
802.11ac (80MHz)							
155	5775	20.55	21.51	255.080	24.07	29.38	Pass

Gain = 6.62 dBi > 6dBi, so the power limit shall be reduced to $30 - (6.62 - 6) = 29.38\text{dBm}$.

Beamforming Mode:

For U-NII-1 Band (Outdoor Access Point)

Chan.	Freq. (MHz)	Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Gain (dBi)	EIRP (dBm)	EIRP limit (dBm)	Pass / Fail
		Chain 0	Chain 1							
802.11ac (20MHz)										
36	5180	7.59	7.94	11.964	10.78	26.02	9.98	20.76	21.00	Pass
40	5200	7.65	7.95	12.058	10.81	26.02	9.98	20.79	21.00	Pass
48	5240	7.67	7.99	12.143	10.84	26.02	9.98	20.82	21.00	Pass
802.11ac (40MHz)										
38	5190	7.65	7.95	12.058	10.81	26.02	9.98	20.79	21.00	Pass
46	5230	7.69	8.00	12.185	10.86	26.02	9.98	20.84	21.00	Pass
802.11ac (80MHz)										
42	5210	7.58	8.07	12.14	10.84	26.02	9.98	20.82	21.00	Pass

Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 9.98\text{dBi} > 6\text{dBi}$, so the Conducted Power limit shall be reduced to $30 - (9.98 - 6) = 26.02\text{dBm}$

Gain = 6.97dBi (above 30 degrees from the horizon),

EIRP = conducted power + Directional gain

For U-NII-3 Band

Chan.	Freq. (MHz)	Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
802.11ac (20MHz)							
149	5745	5745	18.52	170.662	22.32	26.56	Pass
157	5785	5785	18.61	172.152	22.36	26.56	Pass
165	5825	5825	18.69	173.961	22.40	26.56	Pass
802.11ac (40MHz)							
151	5755	18.33	19.56	158.442	22.00	26.56	Pass
159	5795	18.46	19.61	161.557	22.08	26.56	Pass
802.11ac (80MHz)							
155	5775	18.42	19.54	159.452	22.03	26.56	Pass

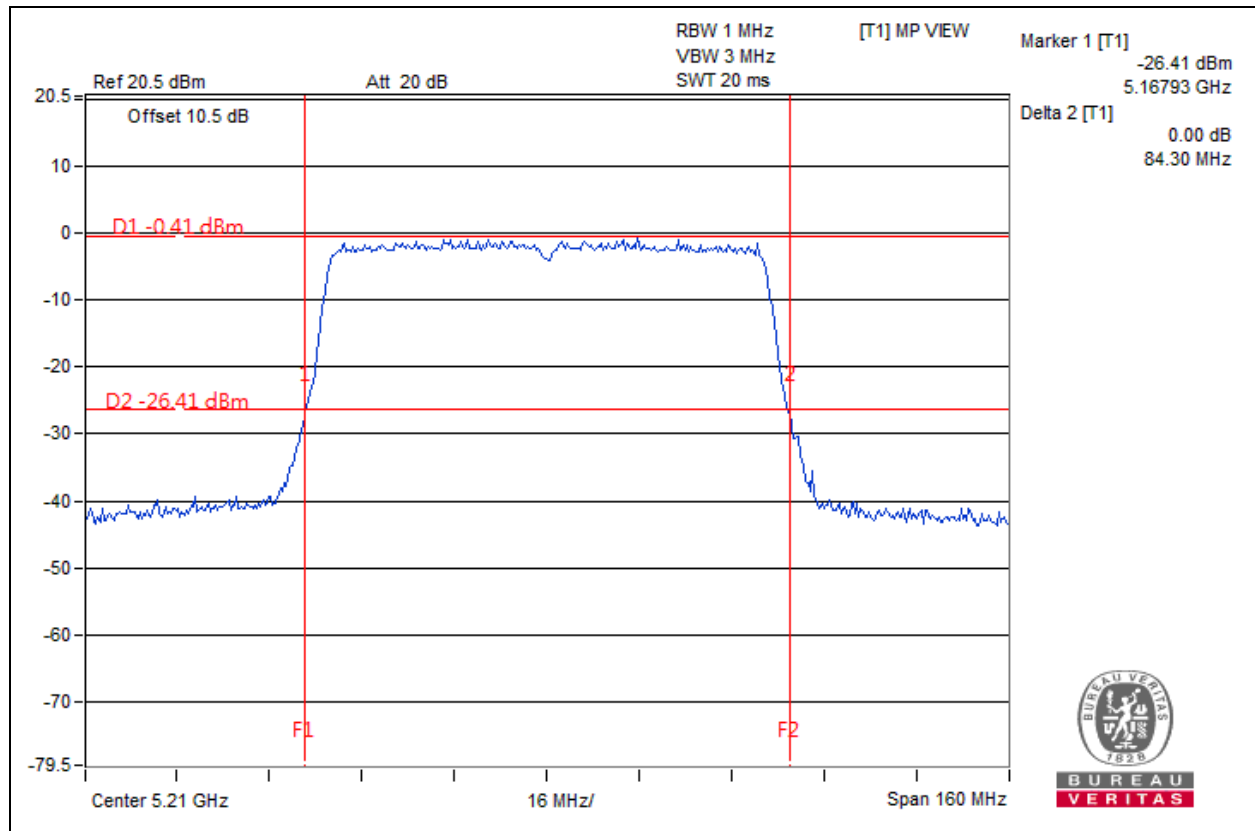
Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 9.44\text{dBi} > 6\text{dBi}$, so the Conducted Power limit shall be reduced to $30 - (9.44 - 6) = 26.56\text{dBm}$

CDD Mode:

26dB Bandwidth:

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
802.11a			
36	5180	19.34	19.00
40	5200	19.20	19.28
48	5240	19.15	19.32
802.11ac (20MHz)			
36	5180	20.35	20.35
40	5200	20.56	20.54
48	5240	20.53	20.38
802.11ac (40MHz)			
38	5190	39.81	39.67
46	5230	39.70	39.59
802.11ac (80MHz)			
42	5210	84.30	83.78

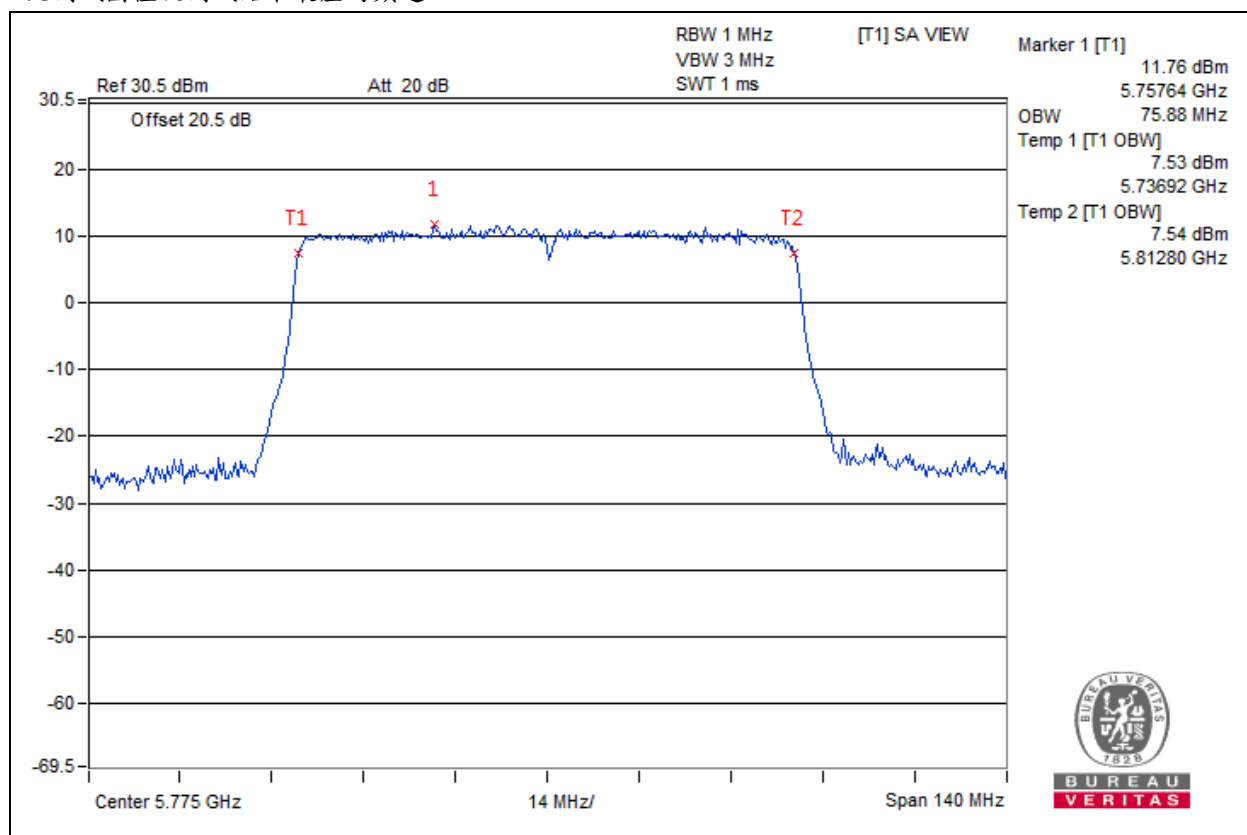
**此測試圖僅放測試結果最差的頻道。



CDD Mode:
Occupied Bandwidth:

Channel	Channel Frequency (MHz)	Occupied Bandwidth (MHz)	
		Chain 0	Chain 1
802.11a			
36	5180	16.44	16.44
40	5200	16.44	16.44
48	5240	16.44	16.44
149	5745	16.52	16.60
157	5785	16.60	16.60
165	5825	16.70	16.60
802.11ac (20MHz)			
36	5180	17.64	17.64
40	5200	17.64	17.64
48	5240	17.64	17.64
149	5745	17.73	17.70
157	5785	17.80	17.80
165	5825	17.80	17.80
802.11ac (40MHz)			
38	5190	36.00	36.00
46	5230	36.20	36.00
151	5755	36.08	36.00
159	5795	36.16	36.16
802.11ac (80MHz)			
42	5210	75.84	75.84
155	5775	75.68	75.88

**此測試圖僅放測試結果最差的頻道。



11.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

12 功率頻譜密度之量測

12.1 適用標準

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

12.2 量測方法

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

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

For U-NII-1 band:

Using method SA-1

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

Using method SA-2

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

For U-NII-3 band:

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 500 kHz, Set VBW $\geq$ 1 RBW, Detector = RMS
- 3) Sweep time = auto, trigger set to "free run".
- 4) Trace average at least 100 traces in power averaging mode.
- 5) Record the max value and add 10 log (1/duty cycle)

12.3 量測功率頻譜密度之儀器
同 8.3 節。

12.4 功率頻譜密度之測試配置
同 8.4 節

12.5 功率頻譜密度之量測結果

CDD Mode: For U-NII-1 band

操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Duty Factor	Total PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	-5.24	-5.28	0.17	-2.08	13.02	Pass
40	5200	-5.30	-5.36	0.17	-2.15	13.02	Pass
48	5240	-5.61	-5.62	0.17	-2.43	13.02	Pass

NOTE:

- Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 9.98\text{dBi} > 6\text{dBi}$, so the PSD limit shall be reduced to $17 - (9.98 - 6) = 13.02\text{dBm}$
- Refer to section 2 for duty cycle spectrum plot.

802.11ac (20MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Total PSD (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	-5.41	-5.38	-2.39	13.02	Pass
40	5200	-5.61	-5.58	-2.58	13.02	Pass
48	5240	-5.93	-5.95	-2.93	13.02	Pass

NOTE:

- Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 9.98\text{dBi} > 6\text{dBi}$, so the PSD limit shall be reduced to $17 - (9.98 - 6) = 13.02\text{dBm}$
- Refer to section 2 for duty cycle spectrum plot.

802.11ac (40MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Duty Factor	Total PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-8.19	-8.15	0.22	-4.94	13.02	Pass
46	5230	-8.48	-8.51	0.22	-5.26	13.02	Pass

NOTE:

- Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 9.98\text{dBi} > 6\text{dBi}$, so the PSD limit shall be reduced to $17 - (9.98 - 6) = 13.02\text{dBm}$
- Refer to section 2 for duty cycle spectrum plot.

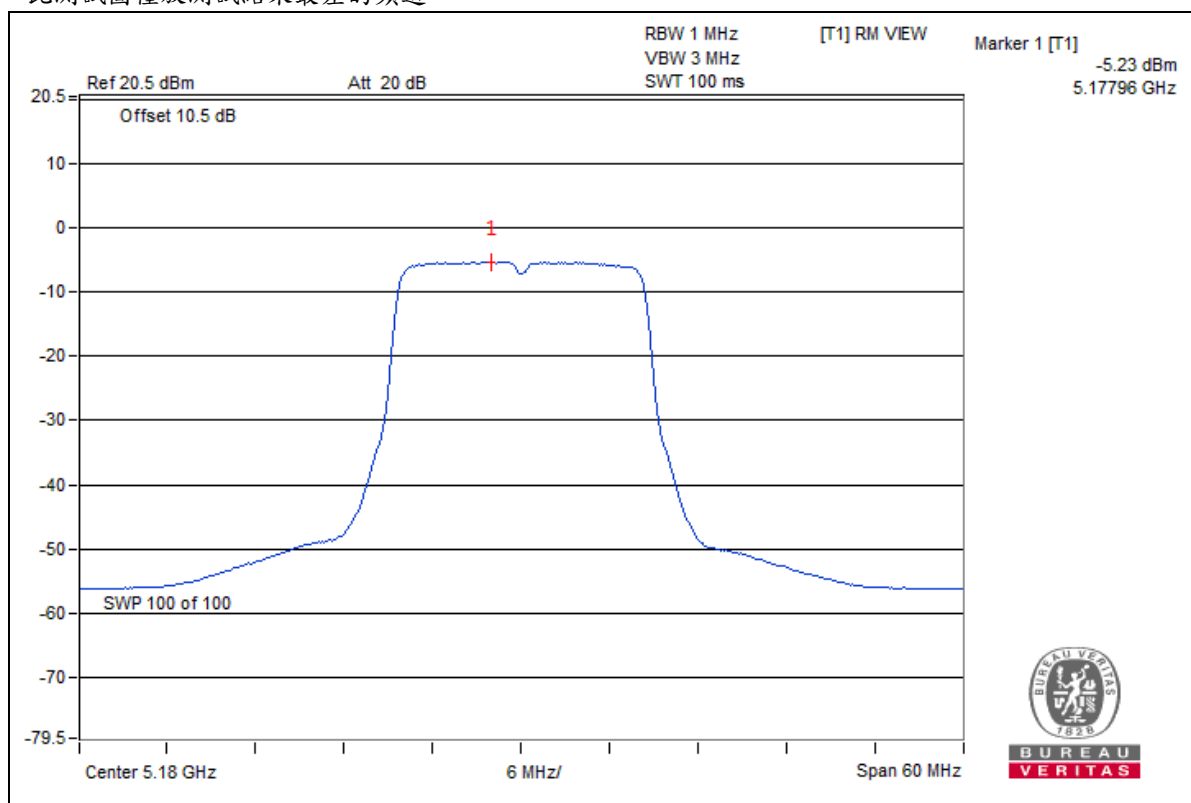
802.11ac (80MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)		Duty Factor	Total PSD with Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-11.96	-12.07	0.38	-8.62	13.02	Pass

NOTE:

1. Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 9.98\text{dBi} > 6\text{dBi}$, so the PSD limit shall be reduced to $17 - (9.98 - 6) = 13.02\text{dBm}$
2. Refer to section 2 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



For U-NII-3 band

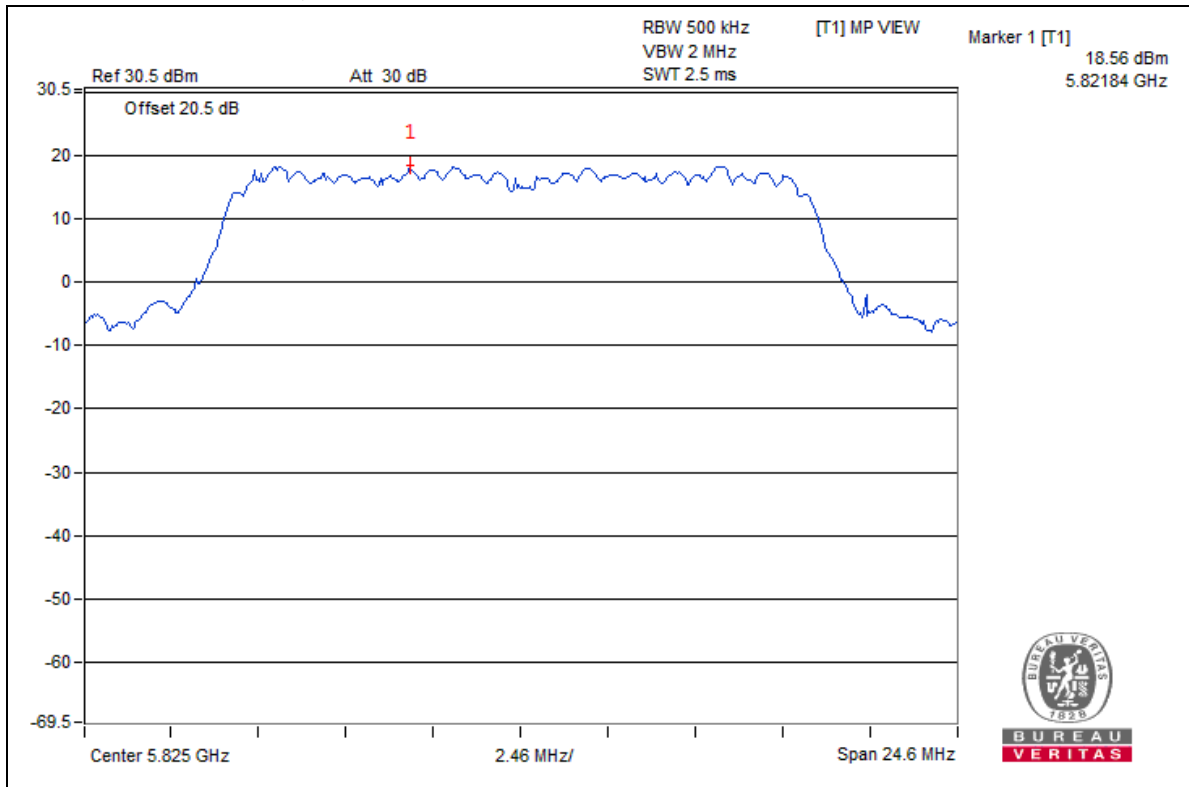
操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
802.11a								
0	149	5745	18.23	3.01	0.17	21.41	26.56	Pass
	157	5785	18.32	3.01	0.17	21.50	26.56	Pass
	165	5825	18.44	3.01	0.17	21.62	26.56	Pass
1	149	5745	18.29	3.01	0.17	21.47	26.56	Pass
	157	5785	18.33	3.01	0.17	21.51	26.56	Pass
	165	5825	18.56	3.01	0.17	21.74	26.56	Pass
802.11ac (20MHz)								
0	149	5745	17.46	3.01	-	20.47	26.56	Pass
	157	5785	17.60	3.01	-	20.61	26.56	Pass
	165	5825	17.54	3.01	-	20.55	26.56	Pass
1	149	5745	17.58	3.01	-	20.59	26.56	Pass
	157	5785	17.60	3.01	-	20.61	26.56	Pass
	165	5825	17.43	3.01	-	20.44	26.56	Pass
802.11ac (40MHz)								
0	151	5755	13.58	3.01	0.22	16.81	26.56	Pass
	159	5795	13.66	3.01	0.22	16.89	26.56	Pass
1	151	5755	13.51	3.01	0.22	16.74	26.56	Pass
	159	5795	13.60	3.01	0.22	16.83	26.56	Pass
802.11ac (80MHz)								
0	155	5775	9.60	3.01	0.38	12.99	26.56	Pass
1	155	5775	9.54	3.01	0.38	12.93	26.56	Pass

NOTE:

1. Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / 2] = 9.44\text{dBi} > 6\text{dBi}$, so the PSD limit shall be reduced to $30 - (9.44 - 6) = 26.56\text{dBm}$
2. Refer to section 2 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



12.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

13 6 dB 頻寬之要求

13.1 適用標準

待測物操作頻帶	適用標準
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第 6 項(II)的規定

13.2 量測方法

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

13.3 量測儀器

同 6.3 節。

13.4 測試配置

同 6.4 節。

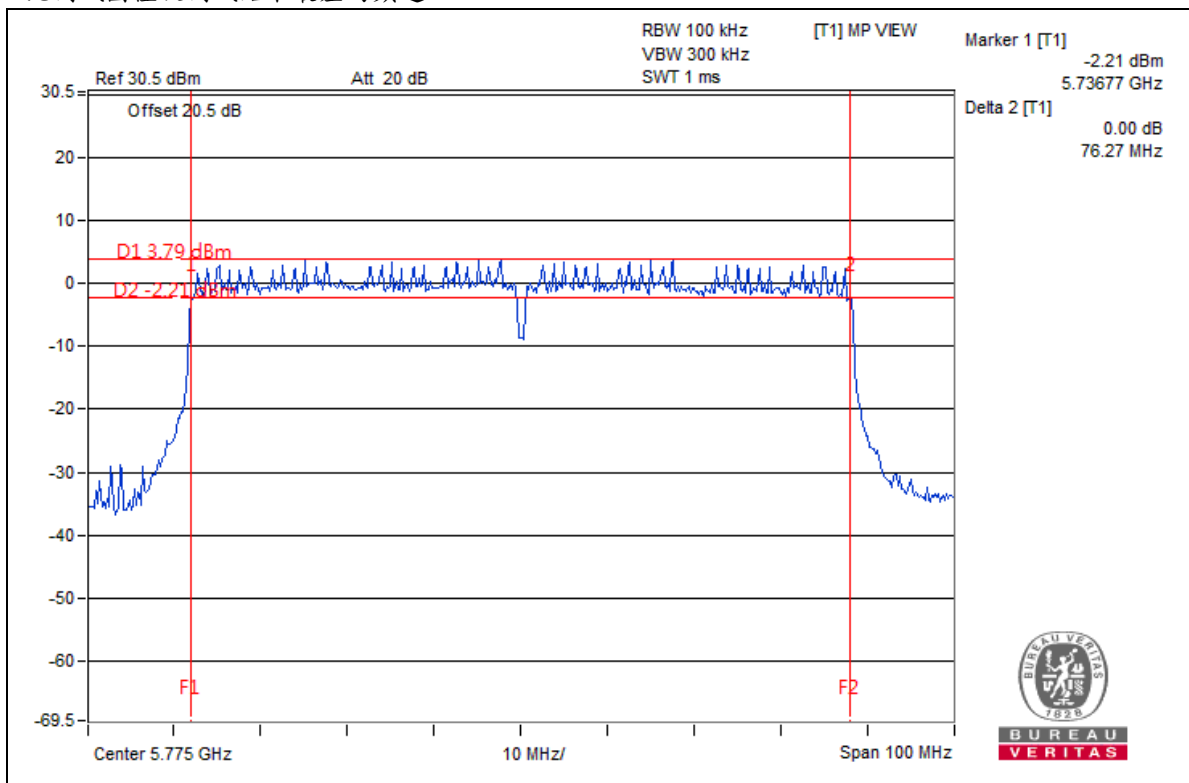
13.5 量測結果

CDD Mode:

操作模式	發射	測試日期	106 年 9 月 20 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	李澤洋		

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
802.11a					
149	5745	16.39	16.40	0.5	Pass
157	5785	16.40	16.40	0.5	Pass
165	5825	16.40	16.40	0.5	Pass
802.11ac (20MHz)					
149	5745	17.62	17.61	0.5	Pass
157	5785	17.63	17.63	0.5	Pass
165	5825	17.63	17.62	0.5	Pass
802.11ac (40MHz)					
151	5755	35.46	35.39	0.5	Pass
159	5795	35.73	35.26	0.5	Pass
802.11ac (80MHz)					
155	5775	76.12	76.27	0.5	Pass

**此測試圖僅放測試結果最差的頻道。



13.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

14 電波暴露量之評估

14.1 適用標準

請見本報告 3.1 節第 12 項的規定。

14.2 評估方法

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

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

where

P_d = power density in mW/cm^2

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

14.3 評估結果

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

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)	Pass/Fail
2412-2462	27.49	11.32	31	0.6296	1	Pass
5180-5240	13.87	9.98	31	0.0201	1	Pass
5745-5825	26.46	9.44	31	0.3222	1	Pass

Note:

2.4GHz Directional gain = 11.32dBi

5.180-5.240GHz Directional gain = 9.98dBi

CONCLUSION:

Both of the WLAN 2.4G & WLAN 5G can transmit simultaneously, the formula of calculated the MPE is:

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

CPD = Calculation power density

LPD = Limit of power density

$$WLAN\ 2.4GHz + WLAN\ 5GHz = 0.6296 + 0.3222 = 0.9518$$

Therefore, the maximum calculation of this situation is **0.9518**, which is less than the "1" limit.

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

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