

低功率射頻電機技術規範測試報告

報告編號:

RT180702E11B

申請者

友訊科技股份有限公司

產品名稱

AC1900 Mesh 無線路由器

型號

DIR-1960

製造廠商

深圳市共進電子股份有限公司

商標或廠牌

D-Link

該產品樣品試驗

國家通訊傳播委員會低功率射頻電機技術規範

依據之試驗標準

107 年 1 月修訂

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 新竹實驗室

日期 108 年 02 月 12 日

報告簽署人簽章:

陳瓊美



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報告發行紀錄

Issue No.	Description	Date Issued
RT180702E11B	Original release.	108 年 02 月 12 日

證 明 書

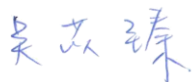
產 品 名 稱：AC1900 Mesh 無線路由器
商 標：D-Link
型 號：DIR-1960
申 請 者：友訊科技股份有限公司
量 測 規 範：低功率射頻電機技術規範 LP0002
ANSI C63.10-2013

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(型號：DIR-1960)，收件日期 106 年 01 月 16 日，於 106 年 01 月 24 日至 107 年 12 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：



， 日 期： 108 年 02 月 12 日

吳 茲 臻 / 專員

審 核 者：



， 日 期： 108 年 02 月 12 日

陳 瓊 美 / 經理

香港商立德國際商品試驗有限公司桃園分公司

實驗室地址：300 新竹市科學工業園區力行一路 1 號 E-2

此份報告不得摘錄複製，除全份
複製外，需經實驗室書面同意。



1 低功率射頻電機量測記錄表

申請廠商：友訊科技股份有限公司

製造廠商：深圳市共進電子股份有限公司

申請廠商地址：114 台北市內湖區新湖三路 289 號

廠牌：D-Link

產品名稱：AC1900 Mesh 無線路由器

型號：DIR-1960

量測單位名稱：香港商立德國際商品試驗有限公司桃園分公司 新竹實驗室

量測單位地址：300 新竹市科學工業園區力行一路 1 號 E-2

量測單位認可編號：TAF 2022

量測規範：
低功率射頻電機技術規範 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
3	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6 節	合格
4	峰值傳導輸出功率	低功率射頻電機技術規範 3.10.1.2 節	合格
5	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：	AC1900 Mesh 無線路由器
型號：	DIR-1960
額定電源：	DC 12V from power adapter
調變方式：	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode and VHT20/40 in 2.4GHz band
調變技術：	DSSS, OFDM
傳輸速率：	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733.3Mbps 802.11ac (80+80): up to 3466.7Mbps
載波頻率：	2.4GHz: 2.412GHz ~ 2.462GHz 5GHz: 5.18GHz ~ 5.24GHz, 5.745GHz ~ 5.825GHz
頻道數：	2.4GHz: 802.11b, 802.11g, 802.11n (HT20), VHT20: 11 802.11n (HT40), VHT40: 7 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 9 802.11n (HT40), 802.11ac (VHT40): 4 802.11ac (VHT80): 2 802.11ac (VHT80+80): 1 set
發射功率：	2.4GHz: 28.97dBm 5GHz: 5.18GHz ~ 5.24GHz: CDD Mode: 25.08dBm Beamforming Mode: 24.96dBm 5.745GHz ~ 5.825GHz: CDD Mode: 28.17dBm Beamforming Mode: 24.91dBm
天線種類：	見註
電源線類別：	見註
信號線類別：	NA
配件：	Adapter x 1

Note:

1. 同一時間發射條件如下:

Condition	Technology	
1	WLAN (2.4GHz)	WLAN (5GHz)

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

2. 此待測設備搭配測試的天線，其資料如下:

Ant. No.	Transmitter Circuit	Brand	Model No.	Ant.Gain (dBi) (Including cable loss)	Freq. range (GHz)	Ant. Type	Connector Type	Cable Length (mm)
1	Chain 0	RenFeng Electronic technology Co., LTD.	RF21C03789A	5	2.4~2.4835	Dipole	i-pex(MHF)	160
				5	5.15~5.85	Dipole	i-pex(MHF)	160
2	Chain 1	RenFeng Electronic technology Co., LTD.	RF21C03790A	5	2.4~2.4835	Dipole	i-pex(MHF)	130
				5	5.15~5.85	Dipole	i-pex(MHF)	130
3	Chain 2	RenFeng Electronic technology Co., LTD.	RF21C03790A	5	2.4~2.4835	Dipole	i-pex(MHF)	130
				5	5.15~5.85	Dipole	i-pex(MHF)	130
4	Chain 3	RenFeng Electronic technology Co., LTD.	RF21C03789A	5	2.4~2.4835	Dipole	i-pex(MHF)	160
				5	5.15~5.85	Dipole	i-pex(MHF)	160

Note: The above directional gain is measurement result and record the worst value for evaluation

3. 此待測設備搭配使用之電源供應器規格如下:

No	Brand	Model No.	Spec.
1	Asian Power Devices Inc.	WB-24J12FU	AC Input: 100-240Vac, 0.7A, 50-60Hz DC Output: 12V, 2A DC Output cable: Unshielded, 1.2m

4. 此待測設備經評估兩個正交軸方位評估測試擺設方式：平躺、垂直，其中 2.4GHz 以平躺擺放擁有最大干擾值，故以此擺放方式進行最終量測，並將測試結果紀錄；而 5GHz 以平躺(Below 1GHz)及垂直(Above 1GHz)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。

5. 此待測物之技術的種類為 4TX / 4RX 之組合。

2.4GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11b	1 ~ 11Mbps	4TX	4RX
802.11g	6 ~ 54Mbps	4TX	4RX
802.11n (HT20)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
802.11n (HT40)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
VHT20	MCS 0~8, Nss=1	4TX	4RX
	MCS 0~8, Nss=2	4TX	4RX
	MCS 0~9, Nss=3	4TX	4RX
	MCS 0~8, Nss=4	4TX	4RX
VHT40	MCS0~9 Nss=1	4TX	4RX
	MCS0~9 Nss=2	4TX	4RX
	MCS0~9 Nss=3	4TX	4RX
	MCS0~9 Nss=4	4TX	4RX
5GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11a	6 ~ 54Mbps	4TX	4RX
802.11n (HT20)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
802.11n (HT40)	MCS 0~7	4TX	4RX
	MCS 8~15	4TX	4RX
	MCS 16~23	4TX	4RX
	MCS 24~31	4TX	4RX
802.11ac (VHT20)	MCS 0~8, Nss=1	4TX	4RX
	MCS 0~8, Nss=2	4TX	4RX
	MCS 0~9, Nss=3	4TX	4RX
	MCS 0~8, Nss=4	4TX	4RX
802.11ac (VHT40)	MCS 0~9, Nss=1	4TX	4RX
	MCS 0~9, Nss=2	4TX	4RX
	MCS 0~9, Nss=3	4TX	4RX
	MCS 0~9, Nss=4	4TX	4RX
802.11ac (VHT80)	MCS 0~9, Nss=1	4TX	4RX
	MCS 0~9, Nss=2	4TX	4RX
	MCS 0~9, Nss=3	4TX	4RX
	MCS 0~9, Nss=4	4TX	4RX
802.11ac (VHT80+80) (Non-Countiguous)	MCS 0~9, Nss=1	2TX+2TX	2RX+2RX
	MCS 0~9, Nss=2	2TX+2TX	2RX+2RX

Note:

1. All of modulation mode support beamforming function except 2.4GHz & 802.11a modulation mode.
2. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.
3. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore investigated worst case to representative mode in test report.

6. 此待測設備搭配測試的天線，其資料如下：

Frequency Range (GHz)	Directional Antenna Gain (dBi)	Antenna Type	Connector Type
2.4~2.4835	10.06	Dipole	i-pex(MHF)
5.15~5.85	10.90	Dipole	i-pex(MHF)

Note: More detailed information, please refer to operating description.

7. 此報告中，場強輻射量測經過評估後以下列測試模式進行最終量測。

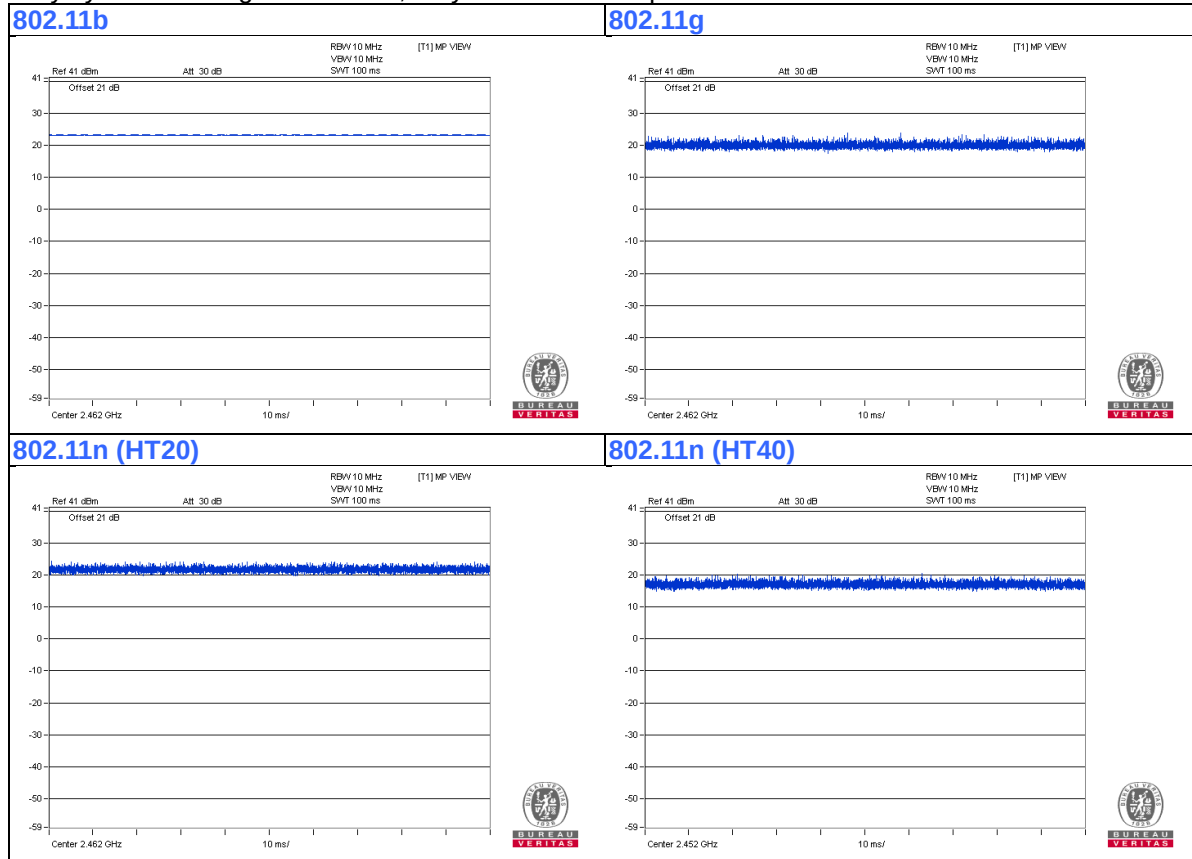
量測項目	發射	接收
2412 ~ 2462MHz		
1GHz 以上量測	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (HT20): Ch 1, 6, 11 802.11n (HT40): Ch 3, 6, 9	Ch 1, 6, 11
其它不必要之訊號	802.11b: Ch 6	Ch 6
5180 ~ 5240MHz, 5745 ~ 5825MHz		
1GHz 以上量測	802.11a: Ch 36, 40, 48, 149, 157, 165 802.11ac (VHT20): Ch 36, 40, 48, 149, 157, 165 802.11ac (VHT40): Ch 38, 46, 151, 159 802.11ac (VHT80): Ch 42, 155 802.11ac (VHT80+80): Ch 42+155	Ch 36, 40, 48, 149, 157, 165
其它不必要之訊號	802.11a: Ch 157	Ch 157

*電源線傳導干擾量測經過評估後，2412 ~ 2462MHz以802.11b: Ch6測試模式進行最終量測，5180 ~ 5240MHz & 5745 ~ 5825MHz以802.11a: Ch157測試模式進行最終量測。

8. Duty cycle of test signal.

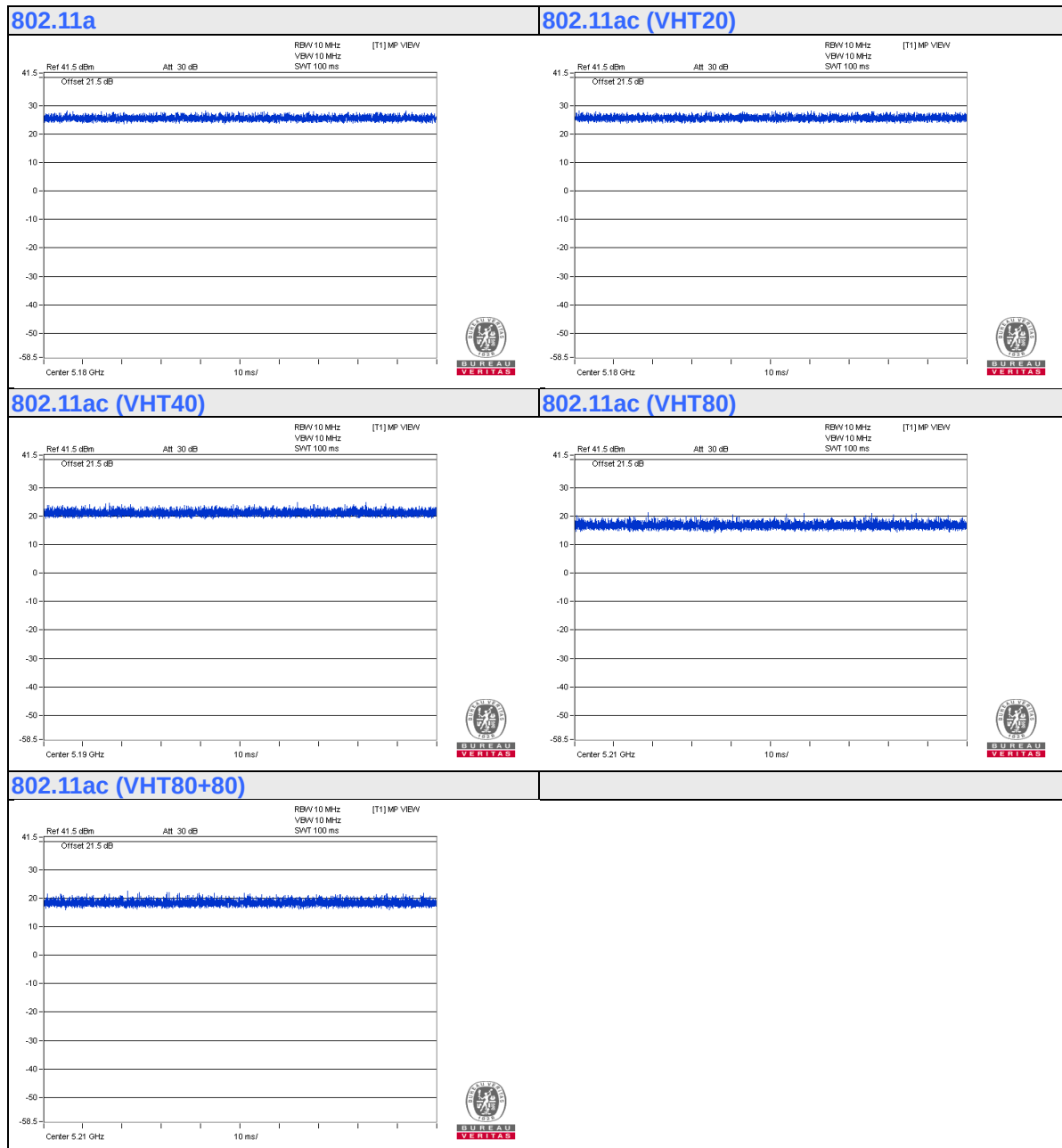
2.4GHz频段

Duty cycle of test signal is 100 %, duty factor is not required.



5GHz 频段

Duty cycle of test signal is 100 %, duty factor is not required.



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g, 802.11n (HT20), 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 (HT40), 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 (HT20), 802.11ac (VHT20):

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

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

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

802.11ac (VHT80):

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

For simultaneous transmission:

1 set is provided for 802.11ac (VHT80+80):

頻道	對應頻率 (MHz)
42+155	5210+5775

詳細之規格請參考使用說明書，產品的照片請參照 BV 編號: 181112E06-1。

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。

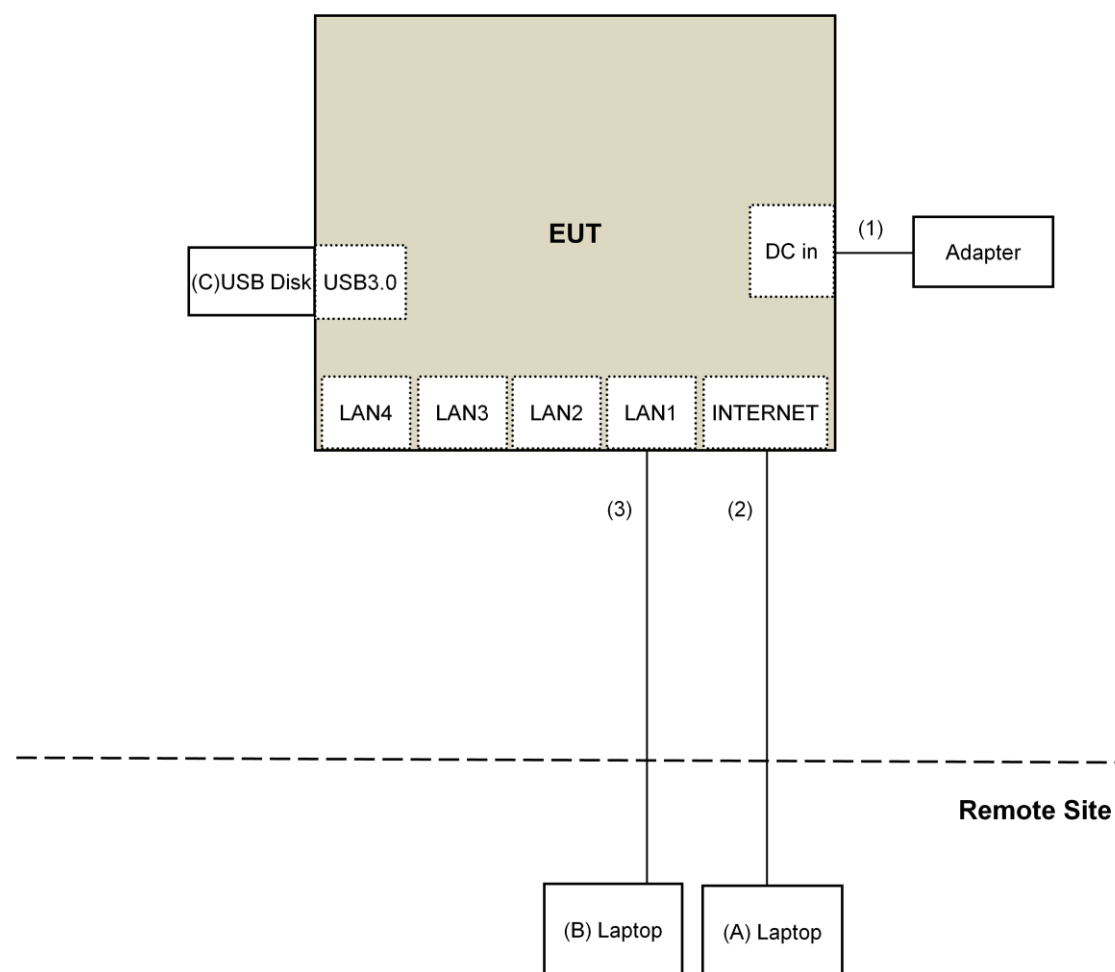
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	DELL	E6420	B92T3R1	FCC DoC	Provided by Lab
B.	Laptop	DELL	E5430	HYV4VY1	FCC DoC	Provided by Lab
C.	USB Disk	Tracscend	NA	NA	NA	Provided by Lab

Note:

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC Cable	1	1.2	No	0	Supplied by client
2.	RJ-45 Cable	1	10	No	0	Provided by Lab
3.	RJ-45 Cable	1	10	No	0	Provided by Lab

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 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。

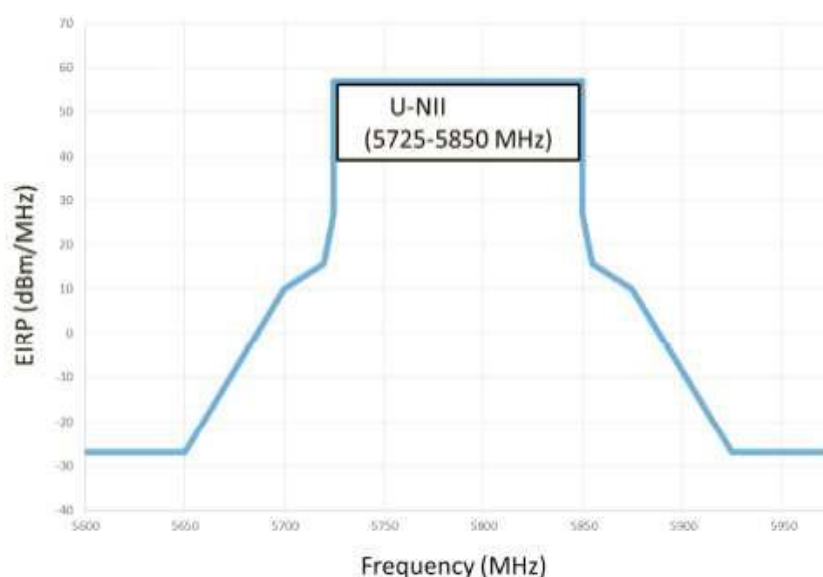


圖 1

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。

(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。

(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。

(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) 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

其它不必要之訊號:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY50010156	July 12, 2018	July 11, 2019
Pre-Amplifier EMCI	EMC001340	980142	Feb. 09, 2018	Feb. 08, 2019
Loop Antenna Electro-Metrics	EM-6879	269	Sep. 07, 2018	Sep. 06, 2019
RF Cable	NA	LOOPCAB-001	Jan. 15, 2018	Jan. 14, 2019
RF Cable	NA	LOOPCAB-002	Jan. 15, 2018	Jan. 14, 2019
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	May 05, 2018	May 04, 2019
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Nov. 22, 2018	Nov. 21, 2019
RF Cable	8D	966-3-1	Mar. 20, 2018	Mar. 19, 2019
RF Cable	8D	966-3-2	Mar. 20, 2018	Mar. 19, 2019
RF Cable	8D	966-3-3	Mar. 20, 2018	Mar. 19, 2019
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Sep. 27, 2018	Sep. 26, 2019
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The CANADA Site Registration No. is 20331-1
4. Loop antenna was used for all emissions below 30 MHz.
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.

1GHz 以上量測:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 20, 2016	July 19, 2017
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Dec. 27, 2016	Dec. 26, 2017
Pre-Amplifier EMCI	EMC12630SE	980385	Feb. 02, 2017	Feb. 01, 2018
RF Cable	EMC104-SM-SM-2000	160923	Feb. 02, 2017	Feb. 01, 2018
RF Cable	EMC104-SM-SM-5000	150318	Mar. 30, 2016	Mar. 29, 2017
RF Cable	EMC104-SM-SM-5000	150323	Mar. 30, 2016	Mar. 29, 2017
Pre-Amplifier EMCI	EMC184045SE	980387	Feb. 02, 2017	Feb. 01, 2018
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 15, 2016	Dec. 14, 2017
RF Cable	SUCOFLEX 102	36432/2 36433/2	Jan. 15, 2017	Jan. 14, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The CANADA Site Registration No. is 20331-1
4. 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.

Oobe:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY50010156	Aug. 18, 2016	Aug. 17, 2017
Horn_Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Dec. 28, 2016	Dec. 27, 2017
Pre-Amplifier Agilent	8449B	3008A02465	Apr. 05, 2016	Apr. 04, 2017
RF Cable	EMC104-SM-SM-2000 EMC104-SM-SM-5000 EMC104-SM-SM-5000	150317 150321 150322	Mar. 30, 2016	Mar. 29, 2017
Spectrum Analyzer Keysight	N9030A	MY54490520	July 29, 2016	July 28, 2017
Pre-Amplifier EMCI	EMC184045	980143	Jan. 14, 2017	Jan. 13, 2018
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 15, 2016	Dec. 14, 2017
RF Cable	SUCOFLEX 102	36432/2 36433/2	Jan. 15, 2017	Jan. 14, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA

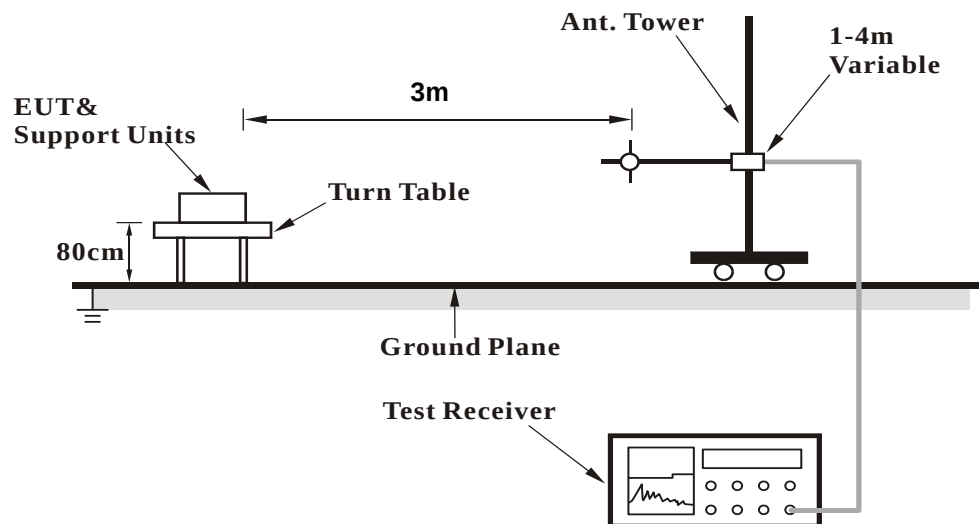
Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in 966 Chamber No. 3.
3. The CANADA Site Registration No. is 20331-1
4. 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.

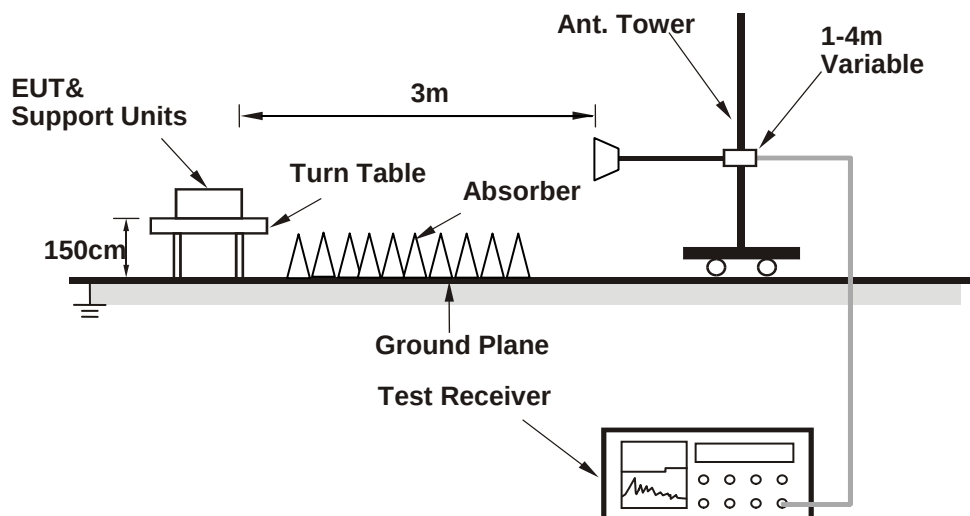
Measurement	Value
Radiated emissions (30MHz-1GHz)	5.53 dB
Radiated emissions (1GHz ~6GHz)	4.78 dB
Radiated emissions (6GHz ~18GHz)	4.52 dB
Radiated emissions (18GHz ~40GHz)	5.08 dB

4.4 測試配置

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



4.5 場強度之計算

場強之計算公式如下：

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

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

量測結果請見下頁。

4.6 量測結果

4.6.1 發射諧波

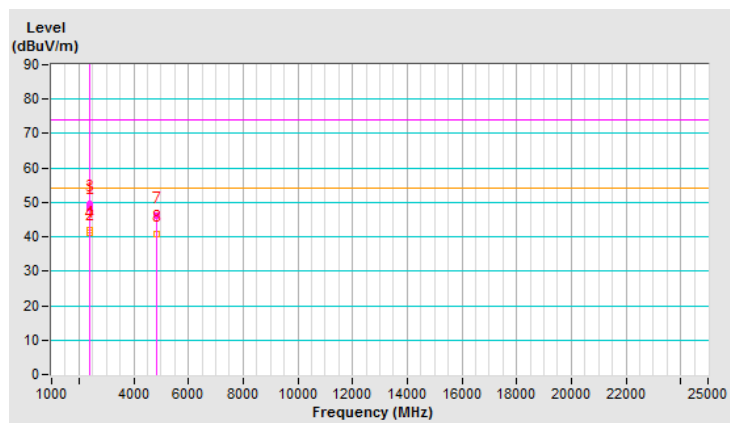
802.11b

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：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	2374.00	48.6 PK	74.0	-25.4	2.71 H	79	50.8	-2.2
2	2374.00	41.3 AV	54.0	-12.7	2.71 H	79	43.5	-2.2
3	2386.00	49.5 PK	74.0	-24.5	2.71 H	79	51.6	-2.1
4	2386.00	41.8 AV	54.0	-12.2	2.71 H	79	43.9	-2.1
5	*2412.00	112.2 PK			2.71 H	79	114.2	-2.0
6	*2412.00	108.4 AV			2.71 H	79	110.4	-2.0
7	4824.00	46.1 PK	74.0	-27.9	1.08 H	20	43.9	2.2
8	4824.00	40.8 AV	54.0	-13.2	1.08 H	20	38.6	2.2
9	#7236.00	-	-	-	-	-	-	-
10	#9648.00	-	-	-	-	-	-	-
11	12060.00	-	-	-	-	-	-	-
12	14472.00	-	-	-	-	-	-	-
13	#16884.00	-	-	-	-	-	-	-
14	19296.00	-	-	-	-	-	-	-
15	#21708.00	-	-	-	-	-	-	-
16	#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.

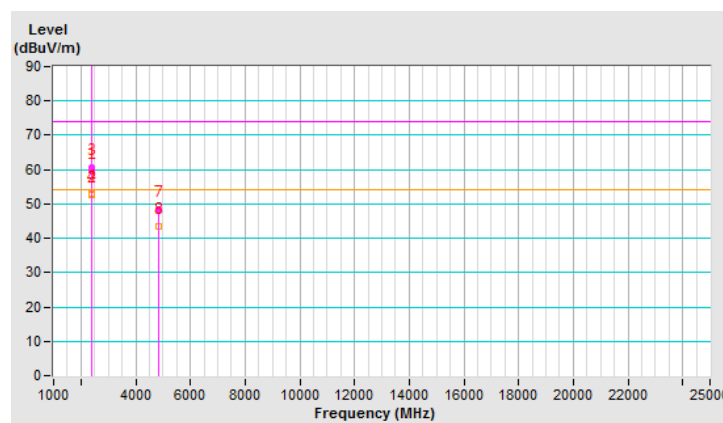


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	2374.00	59.6 PK	74.0	-14.4	1.00 V	130	61.8	-2.2
2	2374.00	52.5 AV	54.0	-1.5	1.00 V	130	54.7	-2.2
3	2386.00	60.6 PK	74.0	-13.4	1.00 V	130	62.7	-2.1
4	2386.00	53.0 AV	54.0	-1.0	1.00 V	130	55.1	-2.1
5	*2412.00	120.4 PK			1.00 V	130	122.4	-2.0
6	*2412.00	118.3 AV			1.00 V	130	120.3	-2.0
7	4824.00	48.3 PK	74.0	-25.7	1.00 V	118	46.1	2.2
8	4824.00	43.5 AV	54.0	-10.5	1.00 V	118	41.3	2.2
9	#7236.00	-	-	-	-	-	-	-
10	#9648.00	-	-	-	-	-	-	-
11	12060.00	-	-	-	-	-	-	-
12	14472.00	-	-	-	-	-	-	-
13	#16884.00	-	-	-	-	-	-	-
14	19296.00	-	-	-	-	-	-	-
15	#21708.00	-	-	-	-	-	-	-
16	#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.

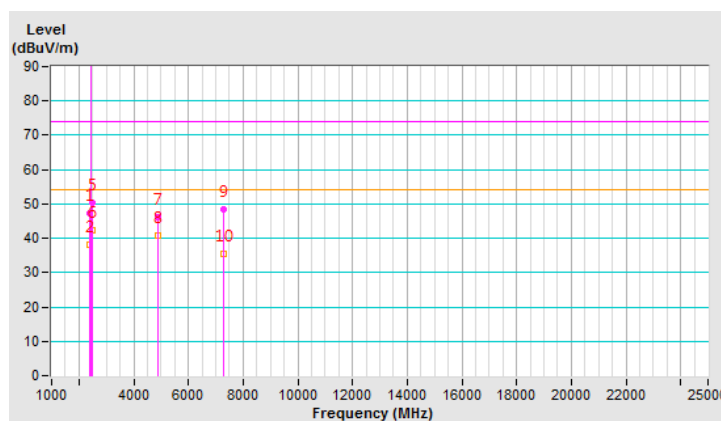


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	47.2 PK	74.0	-26.8	2.66 H	75	49.3	-2.1
2	2390.00	38.1 AV	54.0	-15.9	2.66 H	75	40.2	-2.1
3	*2437.00	114.4 PK			2.66 H	75	116.3	-1.9
4	*2437.00	110.6 AV			2.66 H	75	112.5	-1.9
5	2483.50	50.4 PK	74.0	-23.6	2.66 H	75	52.1	-1.7
6	2483.50	42.4 AV	54.0	-11.6	2.66 H	75	44.1	-1.7
7	4874.00	46.2 PK	74.0	-27.8	1.00 H	18	43.9	2.3
8	4874.00	40.9 AV	54.0	-13.1	1.00 H	18	38.6	2.3
9	7311.00	48.3 PK	74.0	-25.7	1.56 H	325	39.9	8.4
10	7311.00	35.3 AV	54.0	-18.7	1.56 H	325	26.9	8.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

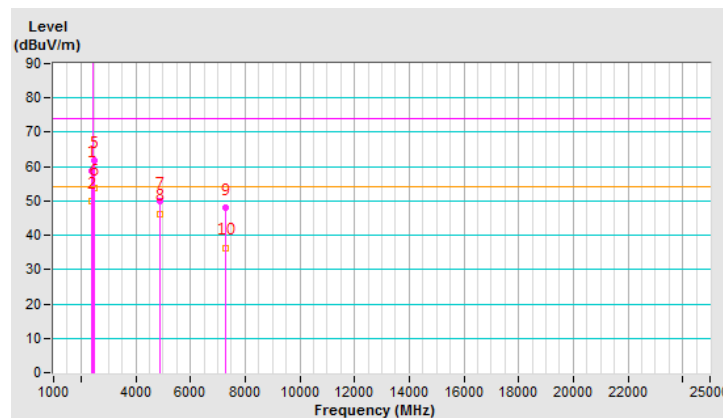


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	58.9 PK	74.0	-15.1	1.00 V	131	61.0	-2.1
2	2390.00	49.8 AV	54.0	-4.2	1.00 V	131	51.9	-2.1
3	*2437.00	122.7 PK			1.00 V	131	124.6	-1.9
4	*2437.00	120.7 AV			1.00 V	131	122.6	-1.9
5	2483.50	61.8 PK	74.0	-12.2	1.00 V	131	63.5	-1.7
6	2483.50	53.9 AV	54.0	-0.1	1.00 V	131	55.6	-1.7
7	4874.00	49.8 PK	74.0	-24.2	1.00 V	123	47.5	2.3
8	4874.00	46.3 AV	54.0	-7.7	1.00 V	123	44.0	2.3
9	7311.00	48.1 PK	74.0	-25.9	1.00 V	338	39.7	8.4
10	7311.00	36.4 AV	54.0	-17.6	1.00 V	338	28.0	8.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

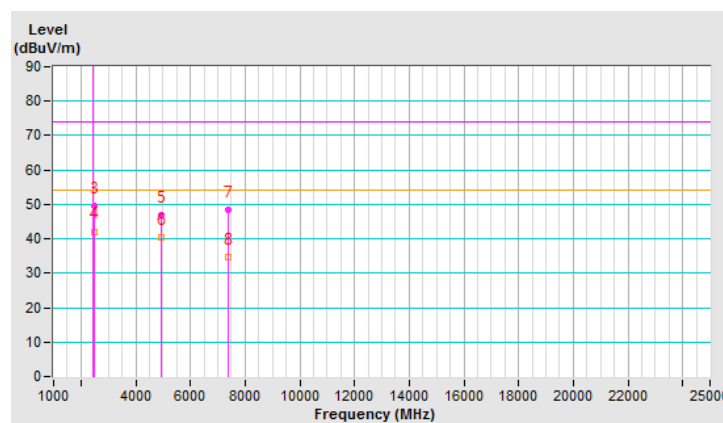


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	111.1 PK			2.68 H	72	112.9	-1.8
2	*2462.00	107.3 AV			2.68 H	72	109.1	-1.8
3	2483.50	49.7 PK	74.0	-24.3	2.68 H	72	51.4	-1.7
4	2483.50	42.1 AV	54.0	-11.9	2.68 H	72	43.8	-1.7
5	4924.00	46.8 PK	74.0	-27.2	1.03 H	9	44.4	2.4
6	4924.00	40.4 AV	54.0	-13.6	1.03 H	9	38.0	2.4
7	7386.00	48.5 PK	74.0	-25.5	1.51 H	333	40.0	8.5
8	7386.00	34.7 AV	54.0	-19.3	1.51 H	333	26.2	8.5
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

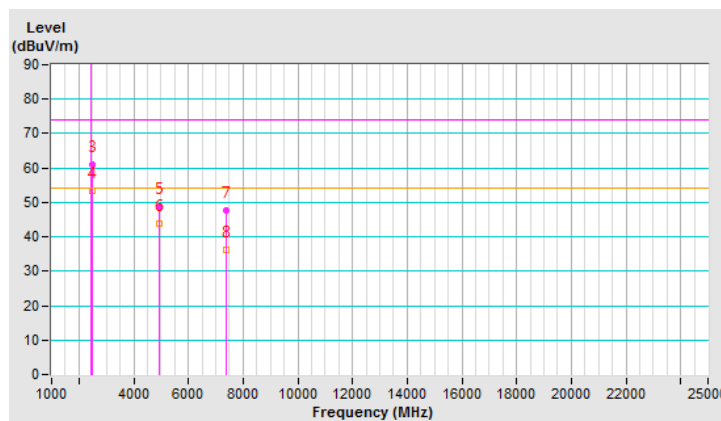


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	119.2 PK			1.00 V	113	121.0	-1.8
2	*2462.00	117.1 AV			1.00 V	113	118.9	-1.8
3	2483.50	60.9 PK	74.0	-13.1	1.00 V	113	62.6	-1.7
4	2483.50	53.2 AV	54.0	-0.8	1.00 V	113	54.9	-1.7
5	4924.00	48.6 PK	74.0	-25.4	1.09 V	113	46.2	2.4
6	4924.00	43.8 AV	54.0	-10.2	1.09 V	113	41.4	2.4
7	7386.00	47.6 PK	74.0	-26.4	1.05 V	345	39.1	8.5
8	7386.00	36.2 AV	54.0	-17.8	1.05 V	345	27.7	8.5
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



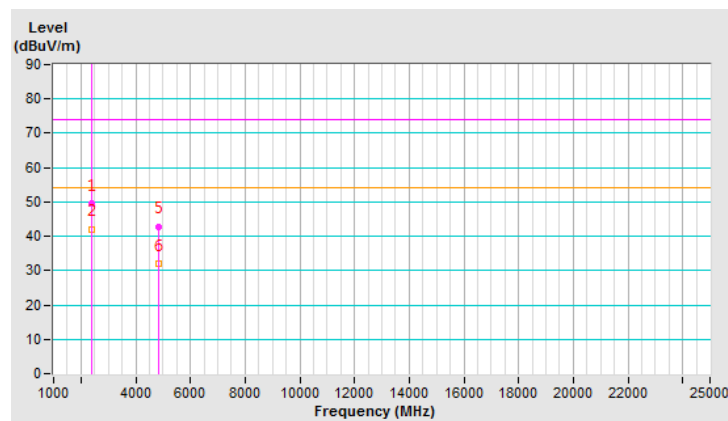
802.11g

操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	49.7 PK	74.0	-24.3	2.63 H	68	51.8	-2.1
2	2390.00	42.1 AV	54.0	-11.9	2.63 H	68	44.2	-2.1
3	*2412.00	111.7 PK			2.63 H	68	113.7	-2.0
4	*2412.00	100.7 AV			2.63 H	68	102.7	-2.0
5	4824.00	42.9 PK	74.0	-31.1	1.01 H	19	40.7	2.2
6	4824.00	31.9 AV	54.0	-22.1	1.01 H	19	29.7	2.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

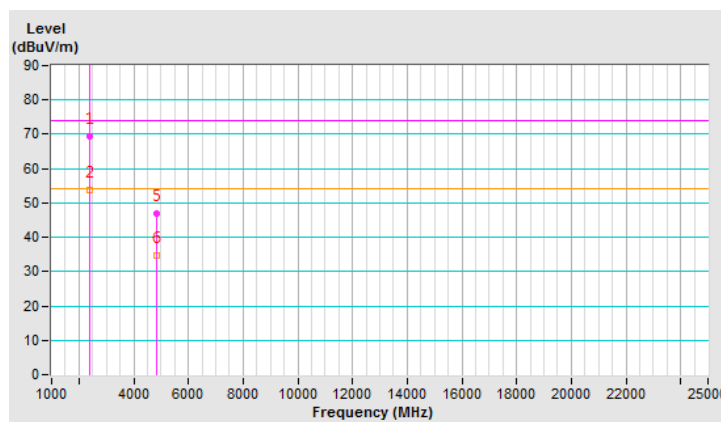


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	69.4 PK	74.0	-4.6	1.00 V	132	71.5	-2.1
2	2390.00	53.9 AV	54.0	-0.1	1.00 V	132	56.0	-2.1
3	*2412.00	118.9 PK			1.00 V	132	120.9	-2.0
4	*2412.00	109.3 AV			1.00 V	132	111.3	-2.0
5	4824.00	46.8 PK	74.0	-27.2	1.00 V	139	44.6	2.2
6	4824.00	34.8 AV	54.0	-19.2	1.00 V	139	32.6	2.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

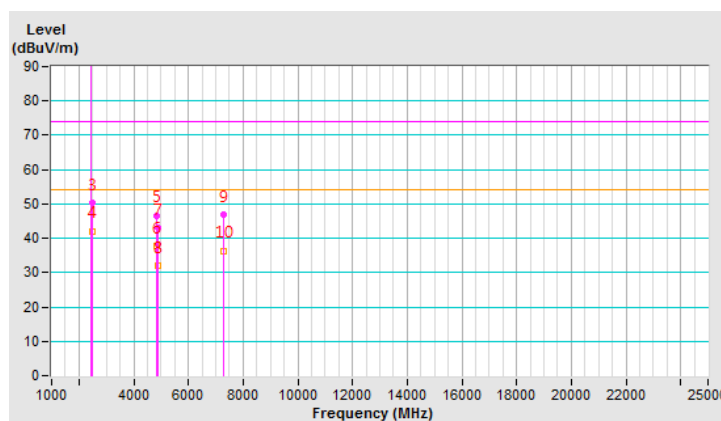


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	112.0 PK			2.67 H	78	113.9	-1.9
2	*2437.00	100.9 AV			2.67 H	78	102.8	-1.9
3	2483.50	50.2 PK	74.0	-23.8	2.67 H	78	51.9	-1.7
4	2483.50	42.1 AV	54.0	-11.9	2.67 H	78	43.8	-1.7
5	4817.00	46.7 PK	74.0	-27.3	2.67 H	78	44.5	2.2
6	4817.00	37.8 AV	54.0	-16.2	2.67 H	78	35.6	2.2
7	4874.00	43.1 PK	74.0	-30.9	1.00 H	17	40.8	2.3
8	4874.00	32.0 AV	54.0	-22.0	1.00 H	17	29.7	2.3
9	7311.00	47.0 PK	74.0	-27.0	2.06 H	26	38.6	8.4
10	7311.00	36.4 AV	54.0	-17.6	2.06 H	26	28.0	8.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

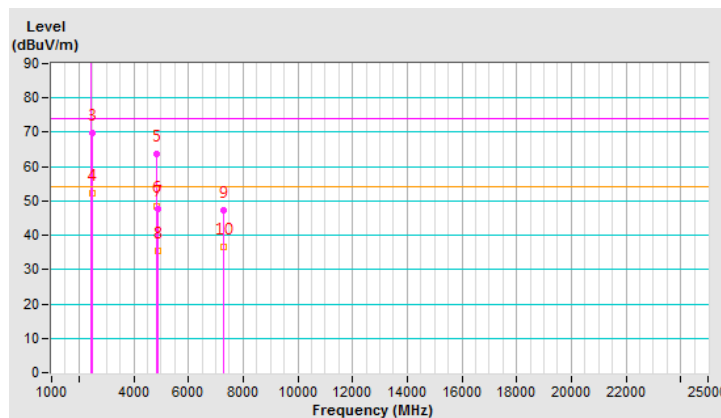


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	125.3 PK			1.00 V	122	127.2	-1.9
2	*2437.00	115.4 AV			1.00 V	122	117.3	-1.9
3	2483.50	69.9 PK	74.0	-4.1	1.00 V	122	71.6	-1.7
4	2483.50	52.2 AV	54.0	-1.8	1.00 V	122	53.9	-1.7
5	4817.00	63.7 PK	74.0	-10.3	1.00 V	122	61.5	2.2
6	4817.00	48.6 AV	54.0	-5.4	1.00 V	122	46.4	2.2
7	4874.00	47.6 PK	74.0	-26.4	1.00 V	138	45.3	2.3
8	4874.00	35.5 AV	54.0	-18.5	1.00 V	138	33.2	2.3
9	7311.00	47.2 PK	74.0	-26.8	1.59 V	182	38.8	8.4
10	7311.00	36.7 AV	54.0	-17.3	1.59 V	182	28.3	8.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

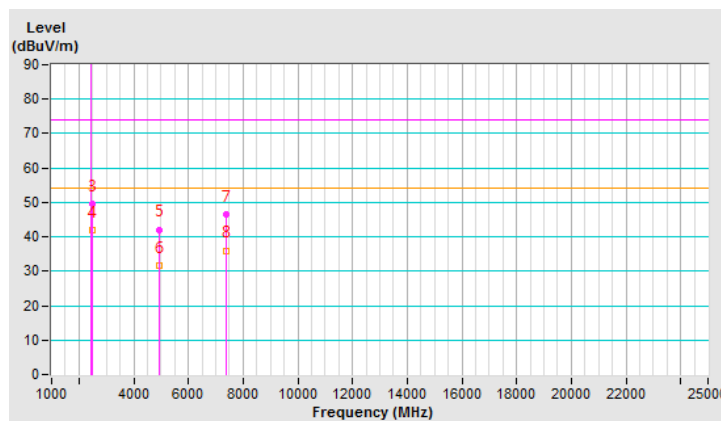


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	111.7 PK			2.72 H	78	113.5	-1.8
2	*2462.00	100.7 AV			2.72 H	78	102.5	-1.8
3	2483.50	49.5 PK	74.0	-24.5	2.72 H	78	51.2	-1.7
4	2483.50	42.0 AV	54.0	-12.0	2.72 H	78	43.7	-1.7
5	4924.00	42.1 PK	74.0	-31.9	1.00 H	3	39.7	2.4
6	4924.00	31.5 AV	54.0	-22.5	1.00 H	3	29.1	2.4
7	7386.00	46.6 PK	74.0	-27.4	2.05 H	31	38.1	8.5
8	7386.00	36.0 AV	54.0	-18.0	2.05 H	31	27.5	8.5
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

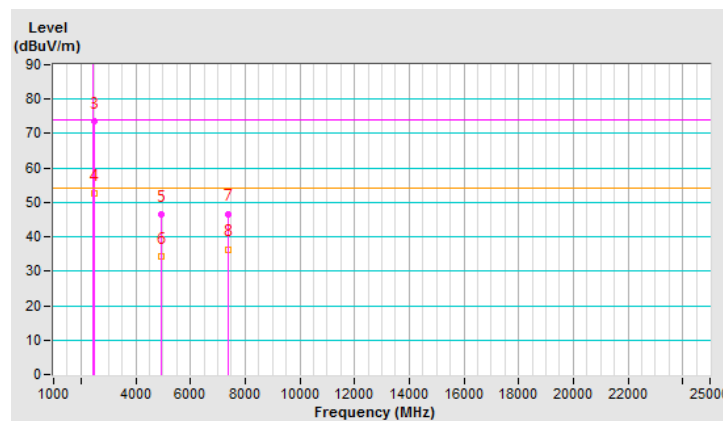


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	118.4 PK			1.00 V	130	120.2	-1.8
2	*2462.00	109.2 AV			1.00 V	130	111.0	-1.8
3	2483.50	73.6 PK	74.0	-0.4	1.00 V	130	75.3	-1.7
4	2483.50	52.6 AV	54.0	-1.4	1.00 V	130	54.3	-1.7
5	4924.00	46.5 PK	74.0	-27.5	1.00 V	151	44.1	2.4
6	4924.00	34.2 AV	54.0	-19.8	1.00 V	151	31.8	2.4
7	7386.00	46.7 PK	74.0	-27.3	1.58 V	177	38.2	8.5
8	7386.00	36.4 AV	54.0	-17.6	1.58 V	177	27.9	8.5
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

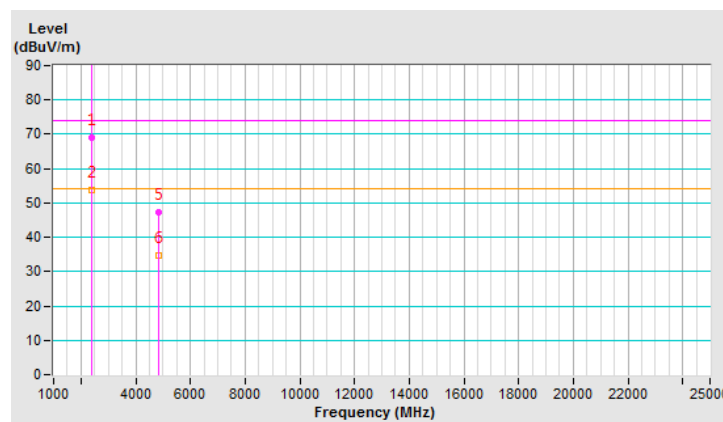


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	69.0 PK	74.0	-5.0	1.00 V	128	71.1	-2.1
2	2390.00	53.6 AV	54.0	-0.4	1.00 V	128	55.7	-2.1
3	*2412.00	110.8 PK			1.00 V	128	112.8	-2.0
4	*2412.00	100.5 AV			1.00 V	128	102.5	-2.0
5	4824.00	47.1 PK	74.0	-26.9	1.07 V	163	44.9	2.2
6	4824.00	34.8 AV	54.0	-19.2	1.07 V	163	32.6	2.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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



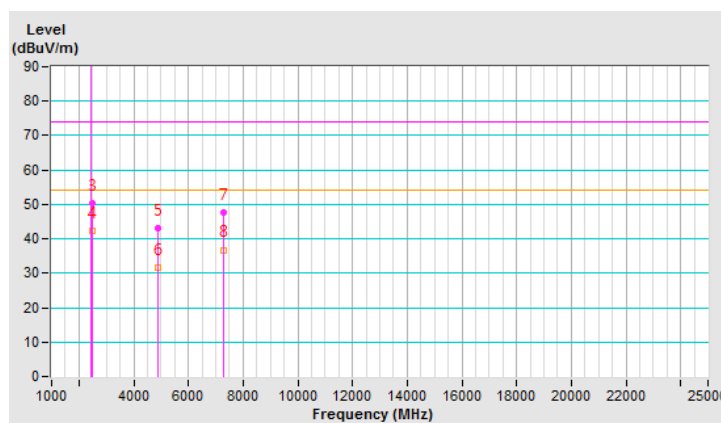
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	109.0 PK			2.65 H	56	110.9	-1.9
2	*2437.00	97.8 AV			2.65 H	56	99.7	-1.9
3	2483.50	50.2 PK	74.0	-23.8	2.65 H	56	51.9	-1.7
4	2483.50	42.3 AV	54.0	-11.7	2.65 H	56	44.0	-1.7
5	4874.00	43.1 PK	74.0	-30.9	1.00 H	28	40.8	2.3
6	4874.00	31.8 AV	54.0	-22.2	1.00 H	28	29.5	2.3
7	7311.00	47.7 PK	74.0	-26.3	2.10 H	40	39.3	8.4
8	7311.00	36.8 AV	54.0	-17.2	2.10 H	40	28.4	8.4
9	#9748.00	-	-	-	-	-	-	-
10	12185.00	-	-	-	-	-	-	-
11	#14622.00	-	-	-	-	-	-	-
12	#17059.00	-	-	-	-	-	-	-
13	19496.00	-	-	-	-	-	-	-
14	#21933.00	-	-	-	-	-	-	-
15	#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.

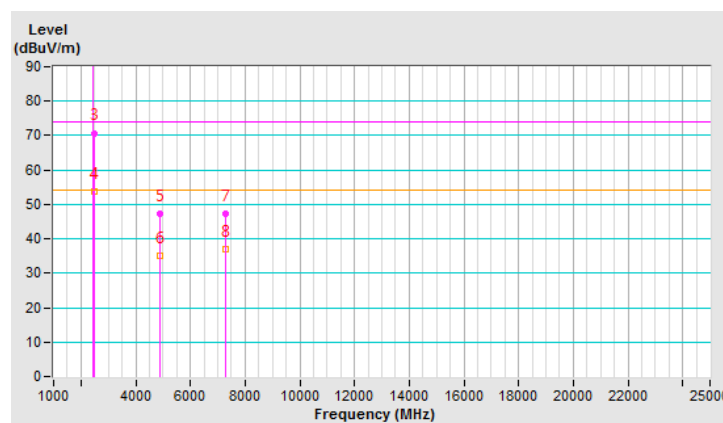


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	116.0 PK			1.00 V	133	117.9	-1.9
2	*2437.00	106.1 AV			1.00 V	133	108.0	-1.9
3	2483.50	70.7 PK	74.0	-3.3	1.00 V	133	72.4	-1.7
4	2483.50	53.9 AV	54.0	-0.1	1.00 V	133	55.6	-1.7
5	4874.00	47.2 PK	74.0	-26.8	1.01 V	152	44.9	2.3
6	4874.00	35.1 AV	54.0	-18.9	1.01 V	152	32.8	2.3
7	7311.00	47.2 PK	74.0	-26.8	1.61 V	192	38.8	8.4
8	7311.00	37.0 AV	54.0	-17.0	1.61 V	192	28.6	8.4
9	#9748.00	-	-	-	-	-	-	-
10	12185.00	-	-	-	-	-	-	-
11	#14622.00	-	-	-	-	-	-	-
12	#17059.00	-	-	-	-	-	-	-
13	19496.00	-	-	-	-	-	-	-
14	#21933.00	-	-	-	-	-	-	-
15	#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.

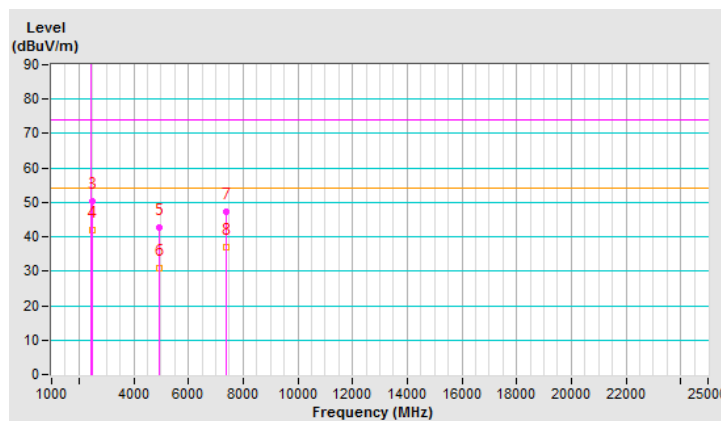


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	102.8 PK			2.79 H	77	104.6	-1.8
2	*2462.00	92.0 AV			2.79 H	77	93.8	-1.8
3	2483.50	50.3 PK	74.0	-23.7	2.79 H	77	52.0	-1.7
4	2483.50	41.9 AV	54.0	-12.1	2.79 H	77	43.6	-1.7
5	4924.00	42.8 PK	74.0	-31.2	1.06 H	28	40.4	2.4
6	4924.00	30.9 AV	54.0	-23.1	1.06 H	28	28.5	2.4
7	7386.00	47.3 PK	74.0	-26.7	2.05 H	14	38.8	8.5
8	7386.00	36.9 AV	54.0	-17.1	2.05 H	14	28.4	8.5
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

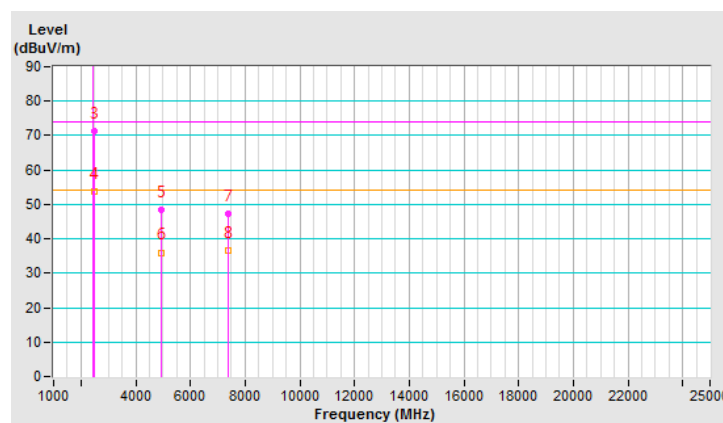


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	109.8 PK			1.00 V	131	111.6	-1.8
2	*2462.00	100.1 AV			1.00 V	131	101.9	-1.8
3	2483.50	71.2 PK	74.0	-2.8	1.00 V	131	72.9	-1.7
4	2483.50	53.7 AV	54.0	-0.3	1.00 V	131	55.4	-1.7
5	4924.00	48.3 PK	74.0	-25.7	1.00 V	150	45.9	2.4
6	4924.00	36.0 AV	54.0	-18.0	1.00 V	150	33.6	2.4
7	7386.00	47.1 PK	74.0	-26.9	1.55 V	188	38.6	8.5
8	7386.00	36.6 AV	54.0	-17.4	1.55 V	188	28.1	8.5
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



802.11n (HT40)

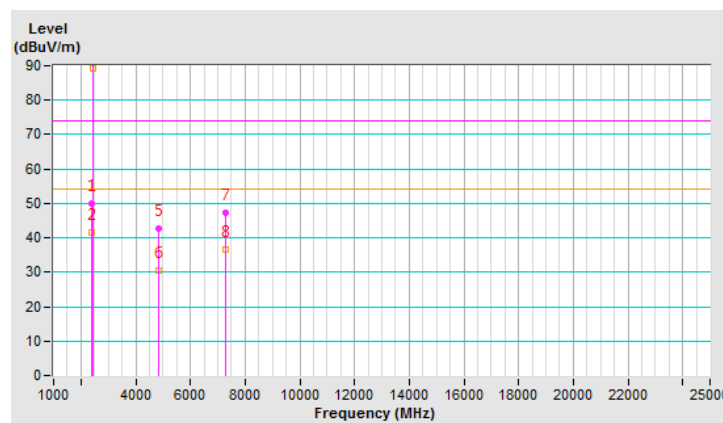
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	50.0 PK	74.0	-24.0	2.79 H	75	52.1	-2.1
2	2390.00	41.5 AV	54.0	-12.5	2.79 H	75	43.6	-2.1
3	*2422.00	98.8 PK			2.79 H	75	100.9	-2.1
4	*2422.00	89.4 AV			2.79 H	75	91.5	-2.1
5	4844.00	42.8 PK	74.0	-31.2	1.03 H	30	40.5	2.3
6	4844.00	30.4 AV	54.0	-23.6	1.03 H	30	28.1	2.3
7	7266.00	47.3 PK	74.0	-26.7	2.01 H	22	38.9	8.4
8	7266.00	36.6 AV	54.0	-17.4	2.01 H	22	28.2	8.4
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

REMARKS:

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

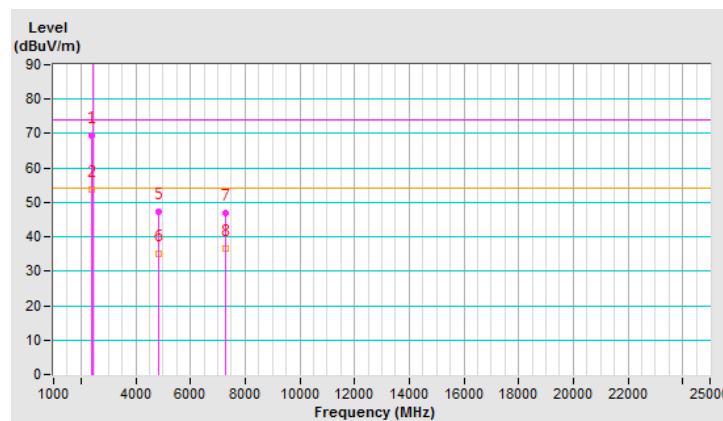


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	69.3 PK	74.0	-4.7	1.00 V	193	71.4	-2.1
2	2390.00	53.7 AV	54.0	-0.3	1.00 V	193	55.8	-2.1
3	*2422.00	105.1 PK			1.00 V	193	107.2	-2.1
4	*2422.00	96.9 AV			1.00 V	193	99.0	-2.1
5	4844.00	47.4 PK	74.0	-26.6	1.00 V	132	45.1	2.3
6	4844.00	35.1 AV	54.0	-18.9	1.00 V	132	32.8	2.3
7	7266.00	46.9 PK	74.0	-27.1	1.60 V	177	38.5	8.4
8	7266.00	36.6 AV	54.0	-17.4	1.60 V	177	28.2	8.4
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

REMARKS:

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

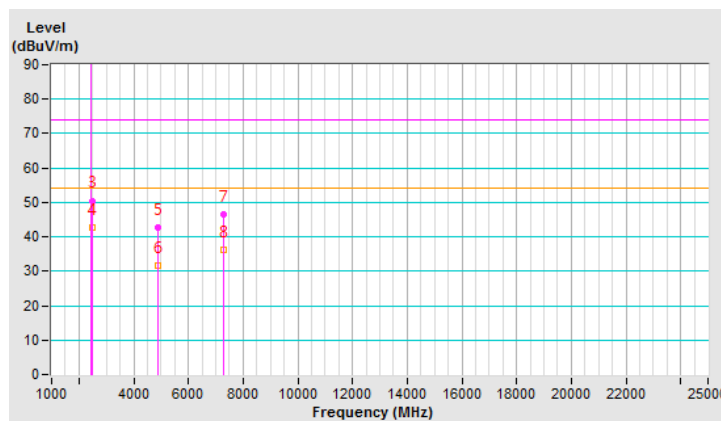


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	101.0 PK			2.85 H	74	102.9	-1.9
2	*2437.00	91.4 AV			2.85 H	74	93.3	-1.9
3	2483.50	50.5 PK	74.0	-23.5	2.85 H	74	52.2	-1.7
4	2483.50	42.8 AV	54.0	-11.2	2.85 H	74	44.5	-1.7
5	4874.00	42.8 PK	74.0	-31.2	1.05 H	3	40.5	2.3
6	4874.00	31.7 AV	54.0	-22.3	1.05 H	3	29.4	2.3
7	7311.00	46.5 PK	74.0	-27.5	2.03 H	37	38.1	8.4
8	7311.00	36.1 AV	54.0	-17.9	2.03 H	37	27.7	8.4
9	#9748.00	-	-	-	-	-	-	-
10	12185.00	-	-	-	-	-	-	-
11	#14622.00	-	-	-	-	-	-	-
12	#17059.00	-	-	-	-	-	-	-
13	19496.00	-	-	-	-	-	-	-
14	#21933.00	-	-	-	-	-	-	-
15	#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.

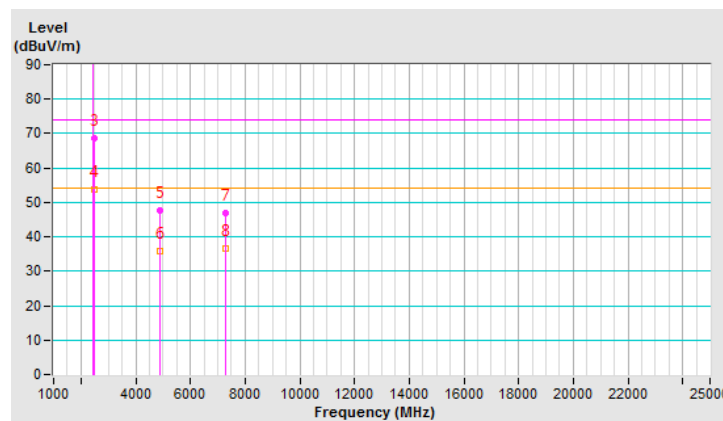


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	107.6 PK			1.00 V	192	109.5	-1.9
2	*2437.00	99.2 AV			1.00 V	192	101.1	-1.9
3	2483.50	68.7 PK	74.0	-5.3	1.00 V	192	70.4	-1.7
4	2483.50	53.7 AV	54.0	-0.3	1.00 V	192	55.4	-1.7
5	4874.00	47.6 PK	74.0	-26.4	1.00 V	154	45.3	2.3
6	4874.00	35.8 AV	54.0	-18.2	1.00 V	154	33.5	2.3
7	7311.00	46.8 PK	74.0	-27.2	1.53 V	191	38.4	8.4
8	7311.00	36.5 AV	54.0	-17.5	1.53 V	191	28.1	8.4
9	#9748.00	-	-	-	-	-	-	-
10	12185.00	-	-	-	-	-	-	-
11	#14622.00	-	-	-	-	-	-	-
12	#17059.00	-	-	-	-	-	-	-
13	19496.00	-	-	-	-	-	-	-
14	#21933.00	-	-	-	-	-	-	-
15	#24370.00	-	-	-	-	-	-	-

REMARKS:

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



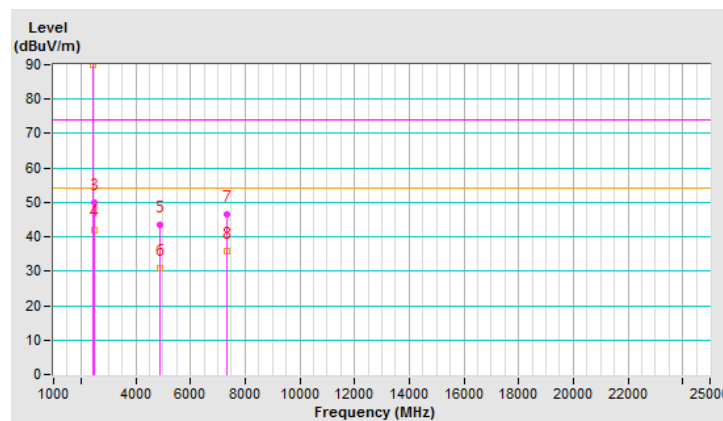
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	99.8 PK			2.81 H	84	101.6	-1.8
2	*2452.00	89.9 AV			2.81 H	84	91.7	-1.8
3	2483.50	50.1 PK	74.0	-23.9	2.81 H	84	51.8	-1.7
4	2483.50	42.1 AV	54.0	-11.9	2.81 H	84	43.8	-1.7
5	4904.00	43.4 PK	74.0	-30.6	1.00 H	13	41.0	2.4
6	4904.00	30.9 AV	54.0	-23.1	1.00 H	13	28.5	2.4
7	7356.00	46.6 PK	74.0	-27.4	2.00 H	37	38.1	8.5
8	7356.00	35.9 AV	54.0	-18.1	2.00 H	37	27.4	8.5
9	#9808.00	-	-	-	-	-	-	-
10	12260.00	-	-	-	-	-	-	-
11	#14712.00	-	-	-	-	-	-	-
12	#17164.00	-	-	-	-	-	-	-
13	19616.00	-	-	-	-	-	-	-
14	22068.00	-	-	-	-	-	-	-
15	#24520.00	-	-	-	-	-	-	-

REMARKS:

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

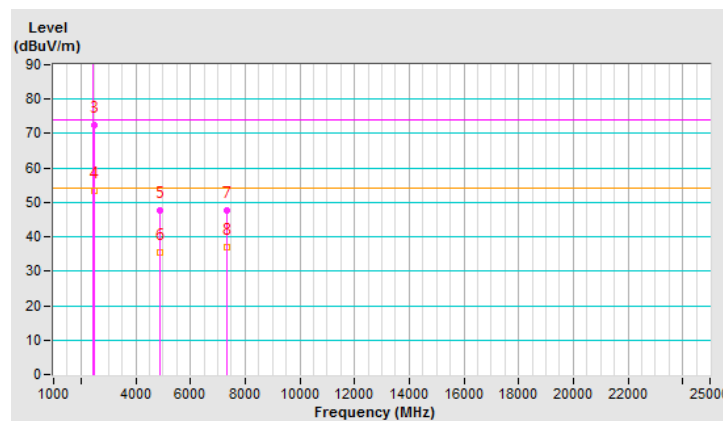


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	105.3 PK			1.00 V	192	107.1	-1.8
2	*2452.00	97.0 AV			1.00 V	192	98.8	-1.8
3	2483.50	72.5 PK	74.0	-1.5	1.00 V	192	74.2	-1.7
4	2483.50	53.5 AV	54.0	-0.5	1.00 V	192	55.2	-1.7
5	4904.00	47.6 PK	74.0	-26.4	1.03 V	123	45.2	2.4
6	4904.00	35.4 AV	54.0	-18.6	1.03 V	123	33.0	2.4
7	7356.00	47.7 PK	74.0	-26.3	1.65 V	183	39.2	8.5
8	7356.00	37.1 AV	54.0	-16.9	1.65 V	183	28.6	8.5
9	#9808.00	-	-	-	-	-	-	-
10	12260.00	-	-	-	-	-	-	-
11	#14712.00	-	-	-	-	-	-	-
12	#17164.00	-	-	-	-	-	-	-
13	19616.00	-	-	-	-	-	-	-
14	22068.00	-	-	-	-	-	-	-
15	#24520.00	-	-	-	-	-	-	-

REMARKS:

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



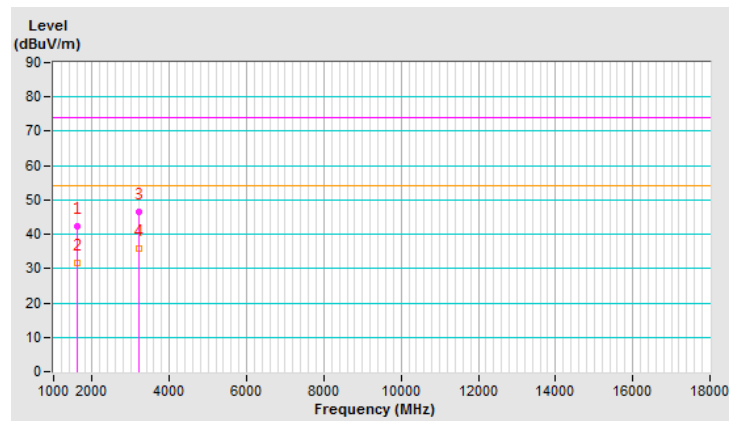
4.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 1 : 2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	1608.00	42.2 PK	74.0	-31.8	1.44 H	11	47.1	-4.9
2	1608.00	31.6 AV	54.0	-22.4	1.44 H	11	36.5	-4.9
3	3216.00	46.6 PK	74.0	-27.4	2.01 H	30	47.2	-0.6
4	3216.00	35.8 AV	54.0	-18.2	2.01 H	30	36.4	-0.6

REMARKS:

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

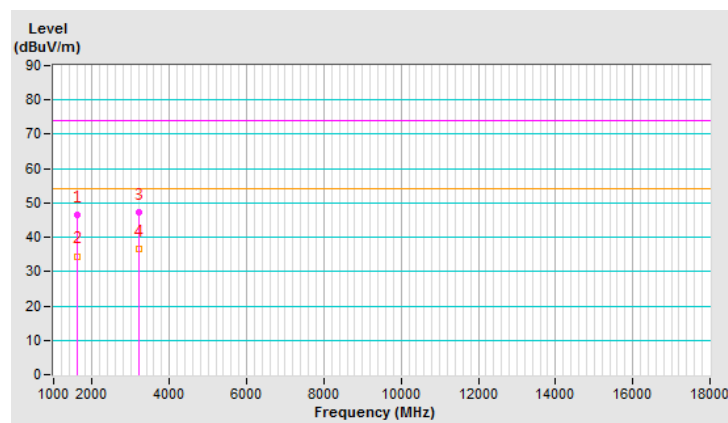


操作模式：	接收		
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	1608.00	46.6 PK	74.0	-27.4	1.52 V	157	51.5	-4.9
2	1608.00	34.5 AV	54.0	-19.5	1.52 V	157	39.4	-4.9
3	3216.00	47.1 PK	74.0	-26.9	1.58 V	182	47.7	-0.6
4	3216.00	36.6 AV	54.0	-17.4	1.58 V	182	37.2	-0.6

REMARKS:

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

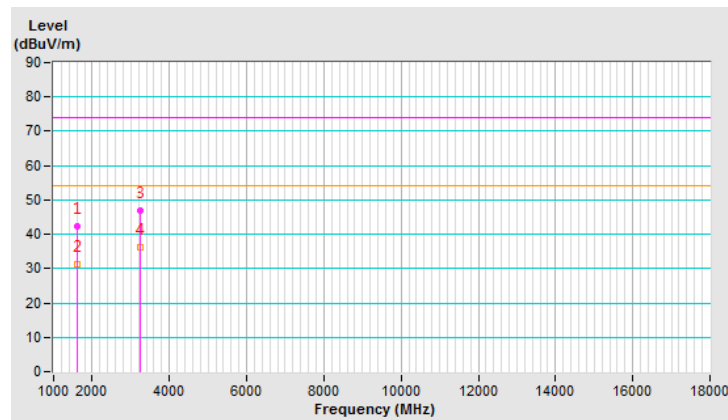


操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	1624.67	42.2 PK	74.0	-31.8	1.50 H	21	47.0	-4.8
2	1624.67	31.4 AV	54.0	-22.6	1.50 H	21	36.2	-4.8
3	3249.33	46.8 PK	74.0	-27.2	1.98 H	44	47.4	-0.6
4	3249.33	36.1 AV	54.0	-17.9	1.98 H	44	36.7	-0.6

REMARKS:

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

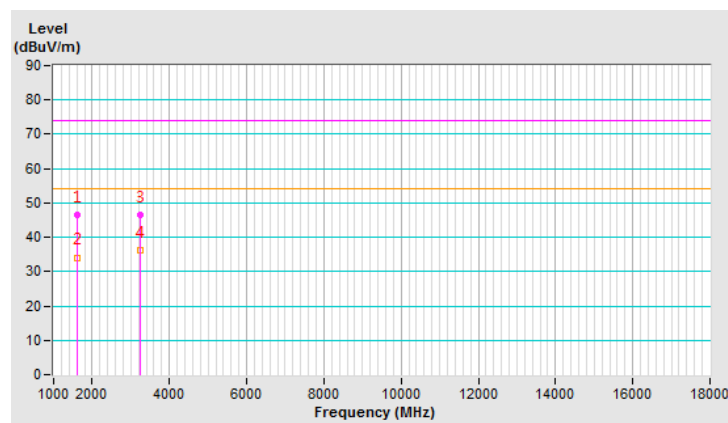


操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	1624.67	46.4 PK	74.0	-27.6	1.57 V	165	51.2	-4.8
2	1624.67	34.1 AV	54.0	-19.9	1.57 V	165	38.9	-4.8
3	3249.33	46.6 PK	74.0	-27.4	1.63 V	171	47.2	-0.6
4	3249.33	36.1 AV	54.0	-17.9	1.63 V	171	36.7	-0.6

REMARKS:

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

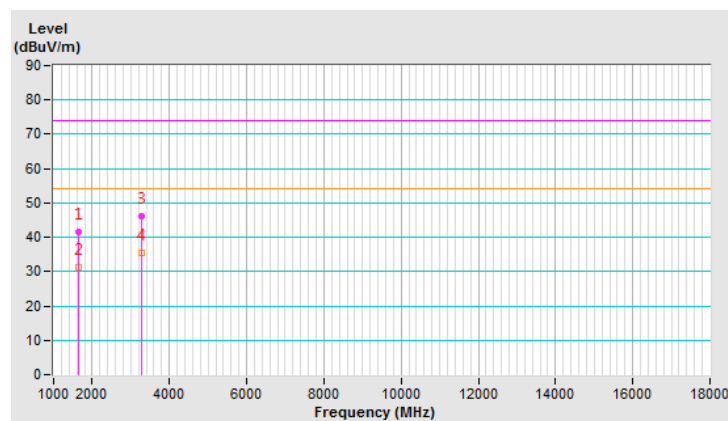


操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	1641.33	41.6 PK	74.0	-32.4	1.48 H	22	46.3	-4.7
2	1641.33	31.2 AV	54.0	-22.8	1.48 H	22	35.9	-4.7
3	3282.67	46.1 PK	74.0	-27.9	2.01 H	23	46.5	-0.4
4	3282.67	35.4 AV	54.0	-18.6	2.01 H	23	35.8	-0.4

REMARKS:

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

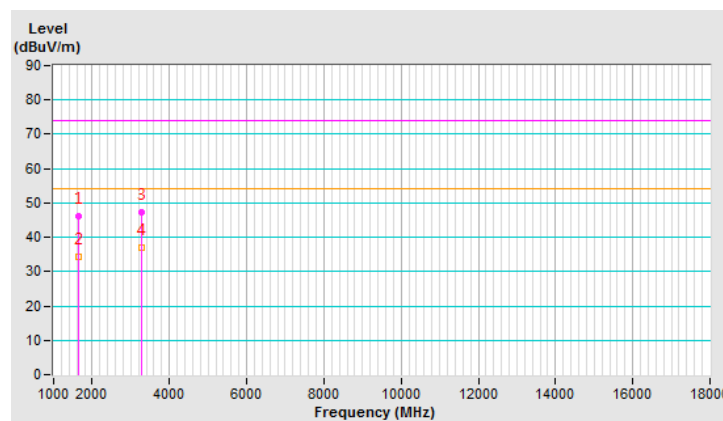


操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	1641.33	46.0 PK	74.0	-28.0	1.52 V	156	50.7	-4.7
2	1641.33	34.2 AV	54.0	-19.8	1.52 V	156	38.9	-4.7
3	3282.67	47.3 PK	74.0	-26.7	1.59 V	184	47.7	-0.4
4	3282.67	37.0 AV	54.0	-17.0	1.59 V	184	37.4	-0.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable 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

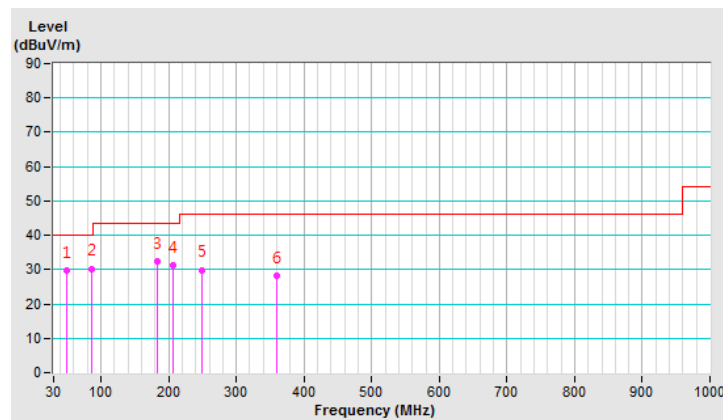
802.11b

操作模式：	發射接收	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(QP) RB=120kHz
量測場地溫度：	23°C	量測場地濕度：	68%RH
測試日期：	107 年 12 月 18 日	測試者：	莊承舜

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.85	29.7 QP	40.0	-10.3	1.00 H	213	38.6	-8.9
2	85.42	30.3 QP	40.0	-9.7	1.00 H	313	44.2	-13.9
3	183.76	32.4 QP	43.5	-11.1	2.00 H	187	42.3	-9.9
4	206.59	31.2 QP	43.5	-12.3	1.50 H	69	41.8	-10.6
5	250.07	29.9 QP	46.0	-16.1	1.00 H	286	38.8	-8.9
6	358.96	28.3 QP	46.0	-17.7	1.00 H	57	34.1	-5.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(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.



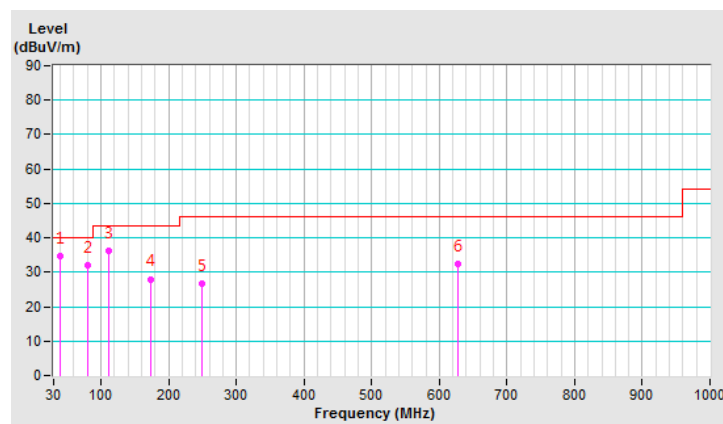
操作模式：	發射接收	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(QP) RB=120kHz
量測場地溫度：	23°C	量測場地濕度：	68%RH
測試日期：	107 年 12 月 18 日	測試者：	莊承舜

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	39.99	34.8 QP	40.0	-5.2	1.00 V	188	44.4	-9.6
2	79.54	32.1 QP	40.0	-7.9	1.50 V	144	45.5	-13.4
3	111.58	36.1 QP	43.5	-7.4	1.50 V	318	47.0	-10.9
4	173.34	28.0 QP	43.5	-15.5	1.00 V	360	37.2	-9.2
5	250.04	26.7 QP	46.0	-19.3	1.00 V	360	35.6	-8.9
6	627.30	32.3 QP	46.0	-13.7	1.50 V	360	31.6	0.7

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(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。

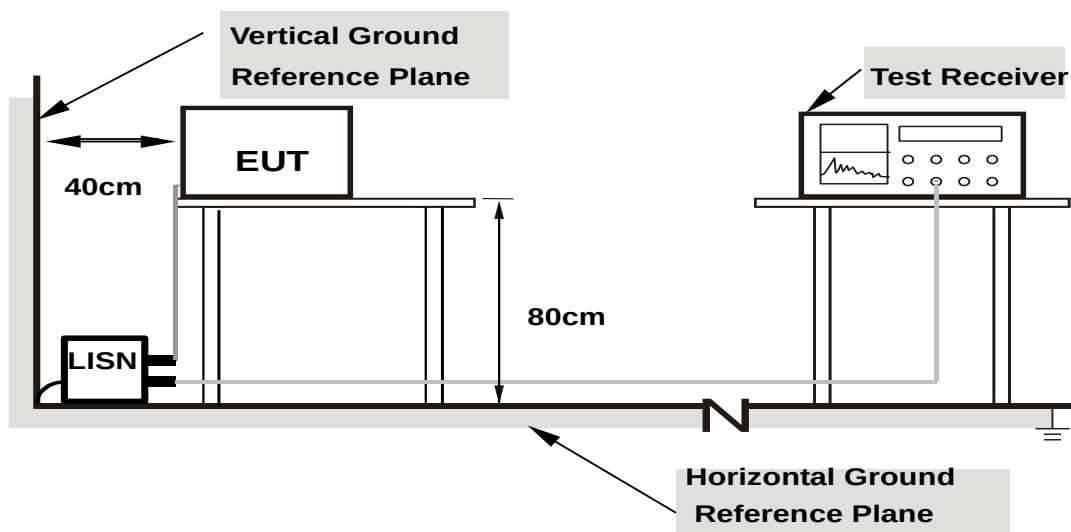
5.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Oct. 24, 2018	Oct. 23, 2019
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Oct. 22, 2018	Oct. 21, 2019
Line-Impedance Stabilization Network (for Peripheral) R&S	ENV216	100072	June 04, 2018	June 03, 2019
50 ohms Terminator	N/A	3	Oct. 22, 2018	Oct. 21, 2019
RF Cable	5D-FB	COCCAB-001	Sep. 28, 2018	Sep. 27, 2019
Fixed attenuator EMCI	STI02-2200-10	003	Mar. 16, 2018	Mar. 15, 2019
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Conduction 1.
3. The measurement uncertainty is 2.98 dB, which is calculated as per the document CISPR 16-4-2 This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5.4 測試配置



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

5.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

5.6 量測結果

操作模式	發射	測試日期	107 年 12 月 20 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	24°C
調變技術	DSSS	量測場地濕度	76%RH
測試者	何欣儒		

		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	10.03	45.99	32.14	56.02	42.17	66.00	56.00	-9.98	-13.83
0.16953	10.04	38.60	24.92	48.64	34.96	64.98	54.98	-16.34	-20.02
0.21250	10.05	40.57	22.95	50.62	33.00	63.11	53.11	-12.49	-20.11
0.23594	10.06	34.26	23.92	44.32	33.98	62.24	52.24	-17.92	-18.26
0.27500	10.06	24.59	11.20	34.65	21.26	60.97	50.97	-26.32	-29.71
0.32969	10.07	27.26	15.63	37.33	25.70	59.46	49.46	-22.13	-23.76
0.62656	10.10	14.13	-0.91	24.23	9.19	56.00	46.00	-31.77	-36.81
1.01172	10.13	12.88	-3.46	23.01	6.67	56.00	46.00	-32.99	-39.33

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.

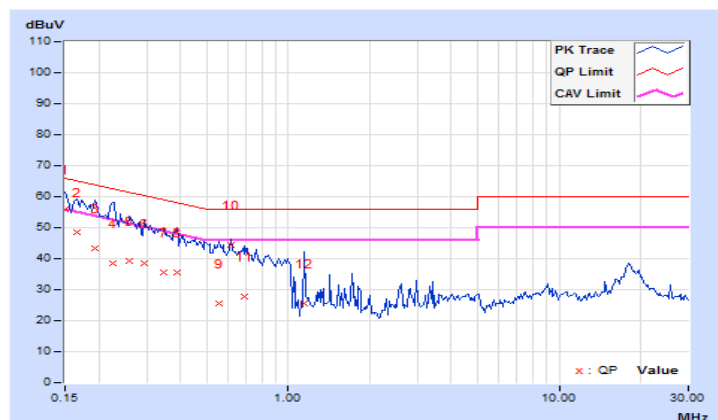


操作模式	發射	測試日期	107 年 12 月 20 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	24°C
調變技術	DSSS	量測場地濕度	72%RH
測試者	何欣儒		

		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	9.94	45.89	30.94	55.83	40.88	66.00	56.00	-10.17	-15.12
0.16562	9.94	38.60	23.40	48.54	33.34	65.18	55.18	-16.64	-21.84
0.19297	9.95	33.32	18.27	43.27	28.22	63.91	53.91	-20.64	-25.69
0.22422	9.95	28.55	13.94	38.50	23.89	62.66	52.66	-24.16	-28.77
0.25938	9.96	29.41	15.67	39.37	25.63	61.45	51.45	-22.08	-25.82
0.29453	9.96	28.40	19.41	38.36	29.37	60.40	50.40	-22.04	-21.03
0.34531	9.97	25.48	13.94	35.45	23.91	59.07	49.07	-23.62	-25.16
0.38828	9.98	25.58	7.95	35.56	17.93	58.10	48.10	-22.54	-30.17
0.55625	9.99	15.51	9.68	25.50	19.67	56.00	46.00	-30.50	-26.33
0.61484	9.99	34.37	11.64	44.36	21.63	56.00	46.00	-11.64	-24.37
0.69297	9.99	17.65	4.41	27.64	14.40	56.00	46.00	-28.36	-31.60
1.15234	10.01	15.49	8.57	25.50	18.58	56.00	46.00	-30.50	-27.42

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。

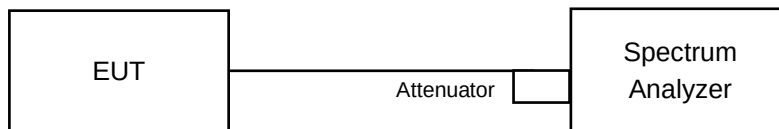
6.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	June 28, 2016	June 27, 2017

NOTE:

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

6.4 測試配置



6.5 量測結果

操作模式	發射	測試日期	106 年 03 月 15 日
量測場地溫度	24°C	量測場地濕度	63%RH
測試者	陳高逸		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	9.08	8.12	8.60	8.62	0.5	Pass
6	2437	9.11	9.10	9.57	10.09	0.5	Pass
11	2462	8.13	8.59	9.05	9.11	0.5	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	16.40	16.41	16.40	16.40	0.5	Pass
6	2437	16.42	16.41	16.42	16.43	0.5	Pass
11	2462	16.35	16.38	16.40	16.40	0.5	Pass

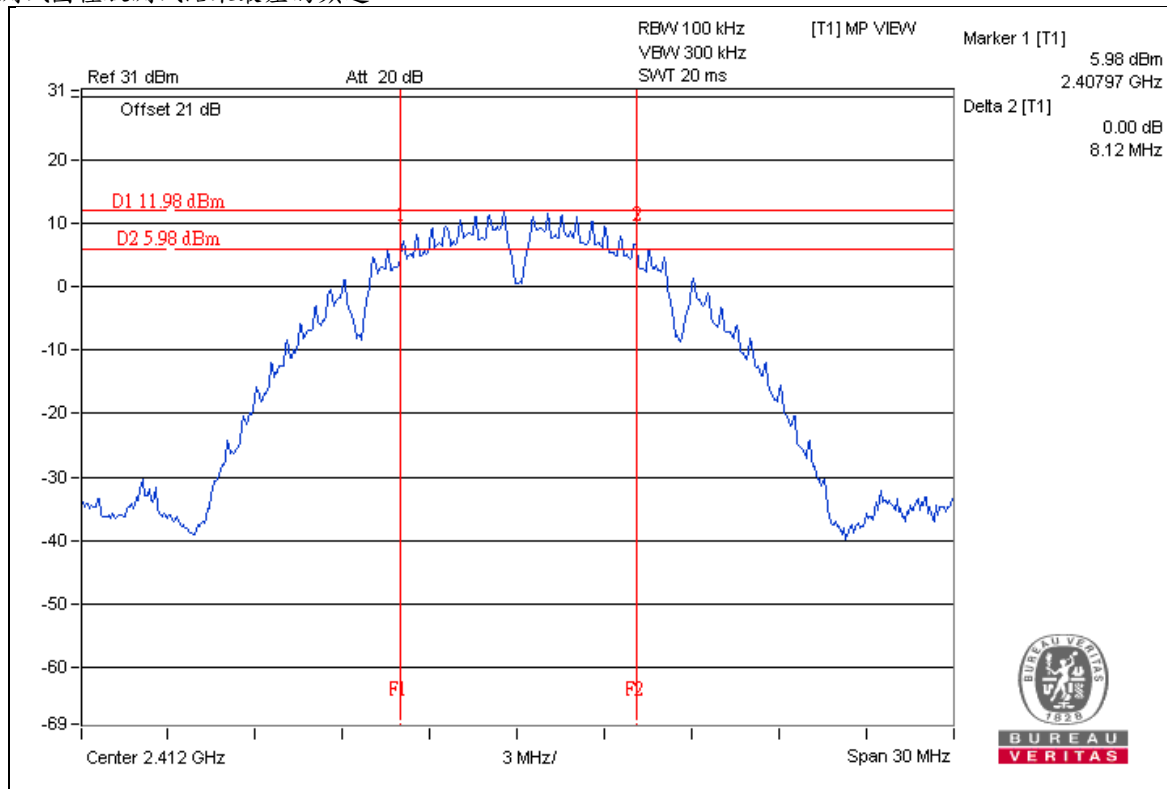
802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
1	2412	17.62	17.62	17.62	17.64	0.5	Pass
6	2437	17.67	17.61	17.64	17.65	0.5	Pass
11	2462	17.63	17.64	17.64	17.66	0.5	Pass

802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
3	2422	35.86	35.87	35.80	35.63	0.5	Pass
6	2437	36.16	35.49	35.60	35.81	0.5	Pass
9	2452	34.89	35.87	35.14	36.10	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

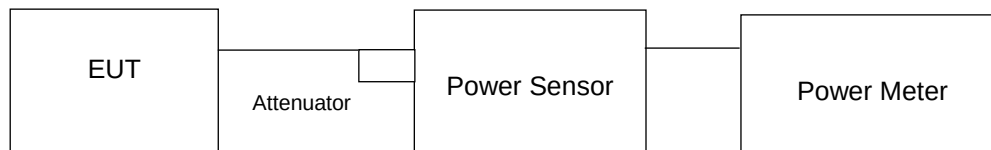
- 將待測物輸出經由衰減器接到功率計上。
- 設定待測物處於連續發射狀態。
- 計算其最大輸出功率。

7.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power meter Anritsu	ML2495A	0824006	May 26, 2016	May 25, 2017
Power sensor Anritsu	MA2411B	0738172	May 26, 2016	May 25, 2017

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	106 年 03 月 15 日
量測場地溫度	24°C	量測場地濕度	63%RH
測試者	陳高逸		

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	21.02	20.98	20.60	21.30	501.499	27.00	30	Pass
6	2437	23.18	23.05	22.81	22.74	788.724	28.97	30	Pass
11	2462	20.34	20.03	20.01	20.96	433.805	26.37	30	Pass

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	15.21	15.31	14.55	15.79	133.593	21.26	30	Pass
6	2437	22.70	22.07	22.26	21.97	672.939	28.28	30	Pass
11	2462	15.08	15.02	14.30	15.40	125.569	20.99	30	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
1	2412	16.81	16.79	16.22	17.35	191.93	22.83	30	Pass
6	2437	22.65	22.04	22.13	21.89	661.863	28.21	30	Pass
11	2462	16.38	16.08	15.62	16.52	165.352	22.18	30	Pass

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
3	2422	14.57	14.30	13.89	14.98	111.525	20.47	30	Pass
6	2437	16.69	16.75	16.05	17.51	190.617	22.80	30	Pass
9	2452	15.83	15.49	15.00	16.45	149.462	21.75	30	Pass

7.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

8 功率頻譜密度之量測

8.1 適用標準

請見本報告 3.1 節第 7 項(I)的規定。

8.2 量測方法

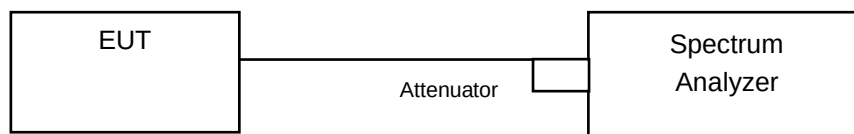
- 將待測物之天線埠連接至測試儀器。
- 設定解析頻寬為 3 kHz，視訊頻寬為 10kHz，掃描時間設為自動，直至掃描信號穩定。
- 使用峰值功能鍵,並找到最大的峰值準位。

8.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	June 28, 2016	June 27, 2017

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

8.4 測試配置



8.5 量測結果

操作模式	發射	測試日期	106 年 03 月 15 日
量測場地溫度	24°C	量測場地濕度	63%RH
測試者	陳高逸		

802.11b

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=4) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-9.79	6.02	-3.77	3.94	Pass
	6	2437	-8.40	6.02	-2.38	3.94	Pass
	11	2462	-10.83	6.02	-4.81	3.94	Pass
1	1	2412	-10.82	6.02	-4.80	3.94	Pass
	6	2437	-7.99	6.02	-1.97	3.94	Pass
	11	2462	-11.02	6.02	-5.00	3.94	Pass
2	1	2412	-9.62	6.02	-3.60	3.94	Pass
	6	2437	-7.99	6.02	-1.97	3.94	Pass
	11	2462	-9.74	6.02	-3.72	3.94	Pass
3	1	2412	-9.66	6.02	-3.64	3.94	Pass
	6	2437	-8.34	6.02	-2.32	3.94	Pass
	11	2462	-9.88	6.02	-3.86	3.94	Pass

Note: 1. Directional gain = 10.06dBi > 6dBi, so the power density limit shall be reduced to 8-(10.06-6) = 3.94dBm.

802.11g

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=4) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-16.66	6.02	-10.64	3.94	Pass
	6	2437	-8.93	6.02	-2.91	3.94	Pass
	11	2462	-16.89	6.02	-10.87	3.94	Pass
1	1	2412	-16.79	6.02	-10.77	3.94	Pass
	6	2437	-9.77	6.02	-3.75	3.94	Pass
	11	2462	-17.60	6.02	-11.58	3.94	Pass
2	1	2412	-16.42	6.02	-10.40	3.94	Pass
	6	2437	-10.90	6.02	-4.88	3.94	Pass
	11	2462	-18.17	6.02	-12.15	3.94	Pass
3	1	2412	-15.62	6.02	-9.60	3.94	Pass
	6	2437	-10.22	6.02	-4.20	3.94	Pass
	11	2462	-17.22	6.02	-11.20	3.94	Pass

Note: 1. Directional gain = 10.06dBi > 6dBi, so the power density limit shall be reduced to $8-(10.06-6) = 3.94\text{dBm}$.

802.11n (HT20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=4) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-15.15	6.02	-9.13	3.94	Pass
	6	2437	-10.01	6.02	-3.99	3.94	Pass
	11	2462	-15.96	6.02	-9.94	3.94	Pass
1	1	2412	-16.16	6.02	-10.14	3.94	Pass
	6	2437	-9.84	6.02	-3.82	3.94	Pass
	11	2462	-16.03	6.02	-10.01	3.94	Pass
2	1	2412	-14.78	6.02	-8.76	3.94	Pass
	6	2437	-9.83	6.02	-3.81	3.94	Pass
	11	2462	-16.48	6.02	-10.46	3.94	Pass
3	1	2412	-14.39	6.02	-8.37	3.94	Pass
	6	2437	-11.39	6.02	-5.37	3.94	Pass
	11	2462	-15.98	6.02	-9.96	3.94	Pass

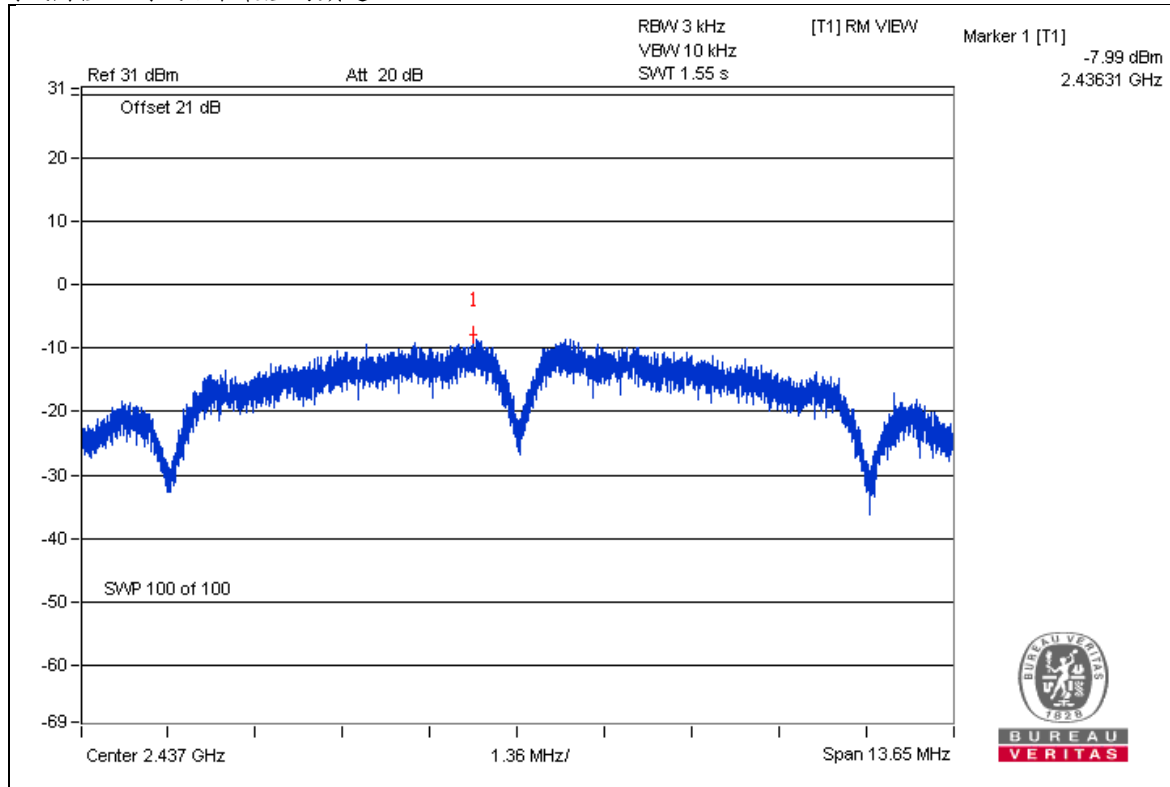
Note: 1. Directional gain = 10.06dBi > 6dBi, so the power density limit shall be reduced to $8-(10.06-6) = 3.94\text{dBm}$.

802.11n (HT40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=4) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	3	2412	-20.33	6.02	-14.31	3.94	Pass
	6	2437	-17.63	6.02	-11.61	3.94	Pass
	9	2462	-18.78	6.02	-12.76	3.94	Pass
1	3	2412	-20.18	6.02	-14.16	3.94	Pass
	6	2437	-18.35	6.02	-12.33	3.94	Pass
	9	2462	-19.48	6.02	-13.46	3.94	Pass
2	3	2412	-21.21	6.02	-15.19	3.94	Pass
	6	2437	-17.35	6.02	-11.33	3.94	Pass
	9	2462	-19.19	6.02	-13.17	3.94	Pass
3	3	2412	-19.49	6.02	-13.47	3.94	Pass
	6	2437	-18.04	6.02	-12.02	3.94	Pass
	9	2462	-18.66	6.02	-12.64	3.94	Pass

Note: 1. Directional gain = 10.06dBi > 6dBi, so the power density limit shall be reduced to $8-(10.06-6) = 3.94\text{dBm}$.

**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 v02r01		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
操作頻帶	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 4.7.4.1 節	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	技術規範 4.7.4.1 節		
5470~5725 MHz	技術規範 4.7.4.1 節		
5725~5850 MHz	☒ 技術規範 4.7.4.2 節	PK:-27 (dBm/MHz) ^{*1} PK:10 (dBm/MHz) ^{*2} PK:15.6 (dBm/MHz) ^{*3} PK:27 (dBm/MHz) ^{*4}	PK: 68.2(dBμV/m) ^{*1} PK:105.2 (dBμV/m) ^{*2} PK: 110.8(dBμV/m) ^{*3} PK:122.2 (dBμV/m) ^{*4}
	☐ 技術規範 4.7.4.7 節	適用 3.10.1.5 節帶外發射限制	
^{*1} beyond 75 MHz or more above of the band edge.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.	
^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	

Note:

有效等向輻射功率限制值轉換場強之公式如下:

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

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

9.6 帶外發射之量測結果

9.6.1 發射諧波

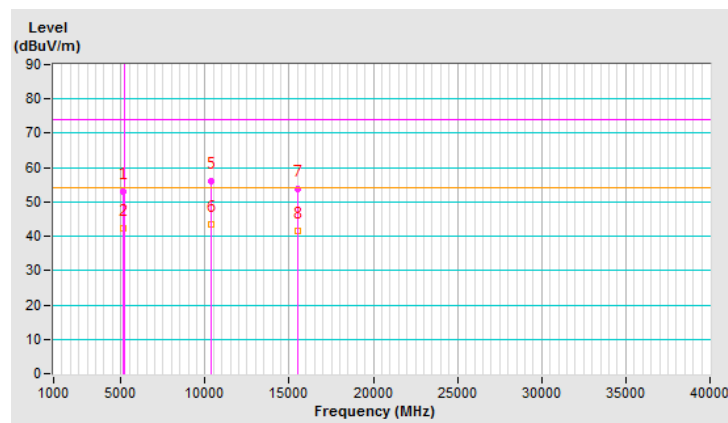
802.11a

操作模式：	發射	調變技術：	OFDM
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：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	52.9 PK	74.0	-21.1	1.21 H	27	50.0	2.9
2	5150.00	42.2 AV	54.0	-11.8	1.21 H	27	39.3	2.9
3	*5180.00	100.7 PK			1.21 H	27	97.7	3.0
4	*5180.00	91.4 AV			1.21 H	27	88.4	3.0
5	#10360.00	56.0 PK	74.0	-18.0	1.00 H	182	44.1	11.9
6	#10360.00	43.5 AV	54.0	-10.5	1.00 H	182	31.6	11.9
7	15540.00	53.9 PK	74.0	-20.1	1.95 H	209	41.7	12.2
8	15540.00	41.6 AV	54.0	-12.4	1.95 H	209	29.4	12.2
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.

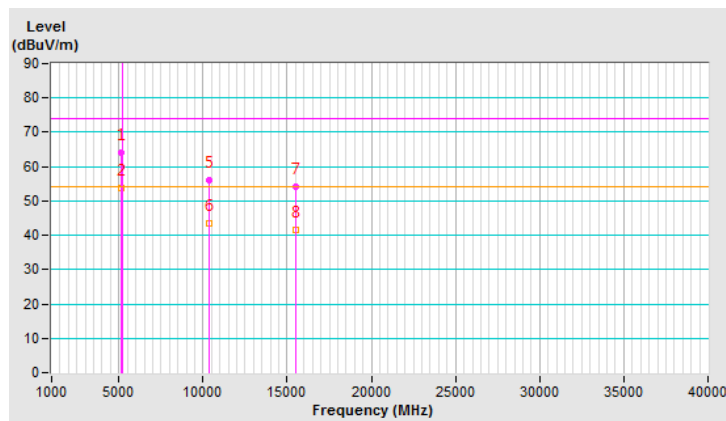


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	64.2 PK	74.0	-9.8	1.58 V	145	61.3	2.9
2	5150.00	53.7 AV	54.0	-0.3	1.58 V	145	50.8	2.9
3	*5180.00	123.8 PK			1.58 V	145	120.8	3.0
4	*5180.00	114.7 AV			1.58 V	145	111.7	3.0
5	#10360.00	56.0 PK	74.0	-18.0	1.49 V	173	44.1	11.9
6	#10360.00	43.5 AV	54.0	-10.5	1.49 V	173	31.6	11.9
7	15540.00	54.2 PK	74.0	-19.8	1.23 V	354	42.0	12.2
8	15540.00	41.7 AV	54.0	-12.3	1.23 V	354	29.5	12.2
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.



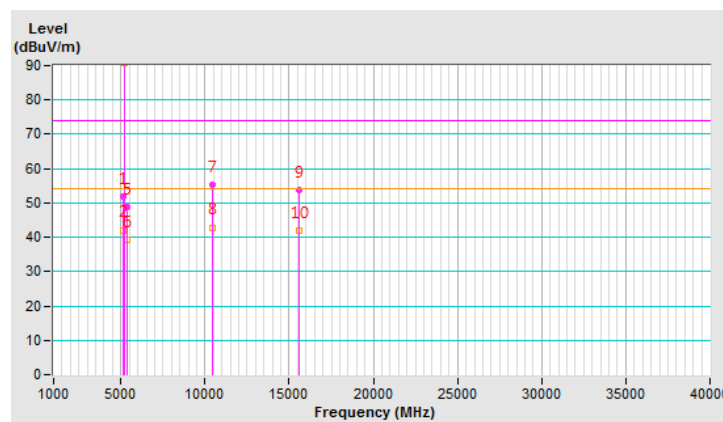
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	51.8 PK	74.0	-22.2	1.16 H	38	48.9	2.9
2	5150.00	42.1 AV	54.0	-11.9	1.16 H	38	39.2	2.9
3	*5200.00	100.4 PK			1.16 H	38	97.4	3.0
4	*5200.00	90.9 AV			1.16 H	38	87.9	3.0
5	5350.00	48.9 PK	74.0	-25.1	1.16 H	38	45.5	3.4
6	5350.00	39.3 AV	54.0	-14.7	1.16 H	38	35.9	3.4
7	#10400.00	55.3 PK	74.0	-18.7	1.01 H	185	43.4	11.9
8	#10400.00	42.9 AV	54.0	-11.1	1.01 H	185	31.0	11.9
9	15600.00	53.9 PK	74.0	-20.1	1.97 H	219	41.6	12.3
10	15600.00	41.8 AV	54.0	-12.2	1.97 H	219	29.5	12.3
11	20800.00	-	-	-	-	-	-	-
12	#26000.00	-	-	-	-	-	-	-
13	31200.00	-	-	-	-	-	-	-
14	#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.

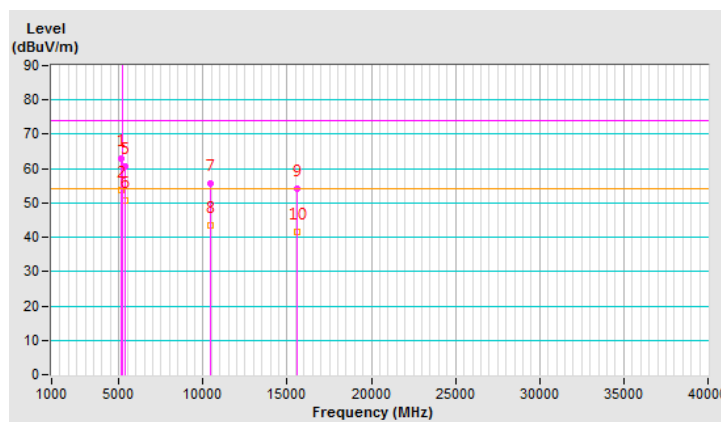


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	62.9 PK	74.0	-11.1	1.53 V	146	60.0	2.9
2	5150.00	53.7 AV	54.0	-0.3	1.53 V	146	50.8	2.9
3	*5200.00	123.9 PK			1.53 V	146	120.9	3.0
4	*5200.00	114.3 AV			1.53 V	146	111.3	3.0
5	5350.00	60.5 PK	74.0	-13.5	1.53 V	146	57.1	3.4
6	5350.00	50.8 AV	54.0	-3.2	1.53 V	146	47.4	3.4
7	#10400.00	55.5 PK	74.0	-18.5	1.50 V	170	43.6	11.9
8	#10400.00	43.4 AV	54.0	-10.6	1.50 V	170	31.5	11.9
9	15600.00	54.2 PK	74.0	-19.8	1.29 V	360	41.9	12.3
10	15600.00	41.7 AV	54.0	-12.3	1.29 V	360	29.4	12.3
11	20800.00	-	-	-	-	-	-	-
12	#26000.00	-	-	-	-	-	-	-
13	31200.00	-	-	-	-	-	-	-
14	#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.

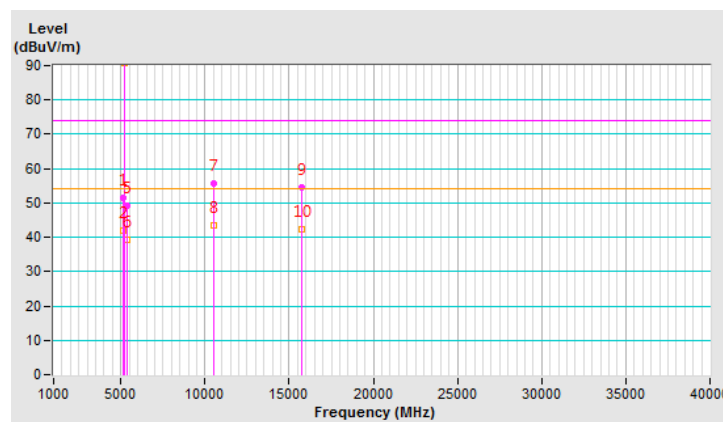


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	51.6 PK	74.0	-22.4	1.24 H	23	48.7	2.9
2	5150.00	41.9 AV	54.0	-12.1	1.24 H	23	39.0	2.9
3	*5240.00	100.0 PK			1.24 H	23	96.9	3.1
4	*5240.00	90.8 AV			1.24 H	23	87.7	3.1
5	5350.00	49.2 PK	74.0	-24.8	1.24 H	23	45.8	3.4
6	5350.00	39.4 AV	54.0	-14.6	1.24 H	23	36.0	3.4
7	#10480.00	55.5 PK	74.0	-18.5	1.00 H	183	43.6	11.9
8	#10480.00	43.3 AV	54.0	-10.7	1.00 H	183	31.4	11.9
9	15720.00	54.5 PK	74.0	-19.5	1.92 H	225	41.5	13.0
10	15720.00	42.3 AV	54.0	-11.7	1.92 H	225	29.3	13.0
11	20960.00	-	-	-	-	-	-	-
12	#26200.00	-	-	-	-	-	-	-
13	31440.00	-	-	-	-	-	-	-
14	#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.

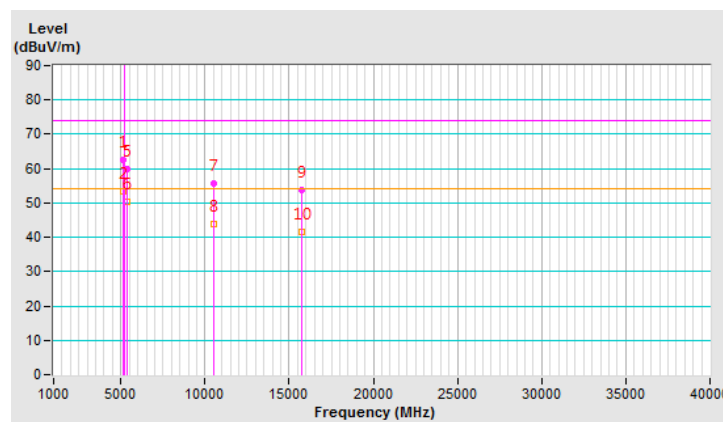


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	62.4 PK	74.0	-11.6	1.55 V	146	59.5	2.9
2	5150.00	53.4 AV	54.0	-0.6	1.55 V	146	50.5	2.9
3	*5240.00	124.1 PK			1.55 V	146	121.0	3.1
4	*5240.00	114.5 AV			1.55 V	146	111.4	3.1
5	5350.00	59.9 PK	74.0	-14.1	1.55 V	146	56.5	3.4
6	5350.00	50.4 AV	54.0	-3.6	1.55 V	146	47.0	3.4
7	#10480.00	55.7 PK	74.0	-18.3	1.50 V	186	43.8	11.9
8	#10480.00	43.8 AV	54.0	-10.2	1.50 V	186	31.9	11.9
9	15720.00	53.9 PK	74.0	-20.1	1.28 V	360	40.9	13.0
10	15720.00	41.4 AV	54.0	-12.6	1.28 V	360	28.4	13.0
11	20960.00	-	-	-	-	-	-	-
12	#26200.00	-	-	-	-	-	-	-
13	31440.00	-	-	-	-	-	-	-
14	#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.

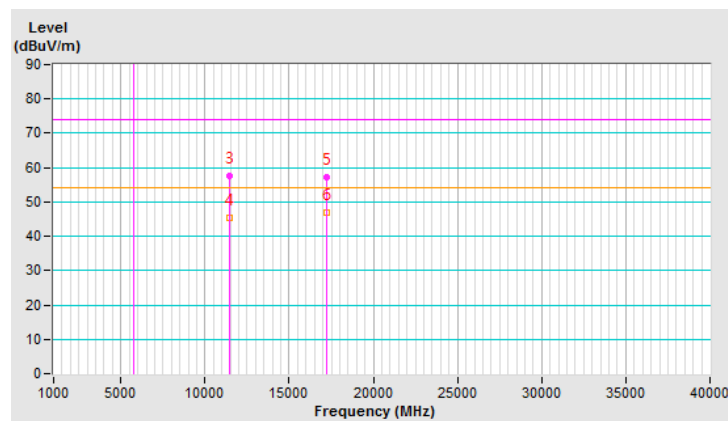


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5745.00	108.2 PK			1.50 H	343	104.2	4.0
2	*5745.00	100.3 AV			1.50 H	343	96.3	4.0
3	11490.00	57.4 PK	74.0	-16.6	1.64 H	174	44.6	12.8
4	11490.00	45.2 AV	54.0	-8.8	1.64 H	174	32.4	12.8
5	#17235.00	57.3 PK	74.0	-16.7	3.06 H	54	39.9	17.4
6	#17235.00	46.8 AV	54.0	-7.2	3.06 H	54	29.4	17.4
7	22980.00	-	-	-	-	-	-	-
8	#28725.00	-	-	-	-	-	-	-
9	#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.

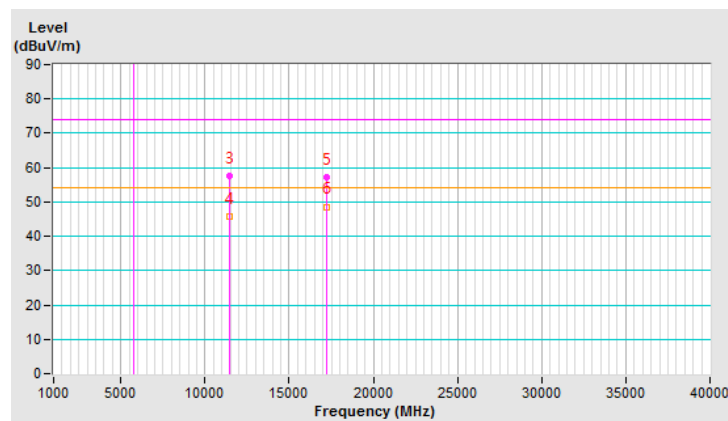


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5745.00	125.9 PK			1.86 V	6	121.9	4.0
2	*5745.00	116.9 AV			1.86 V	6	112.9	4.0
3	11490.00	57.7 PK	74.0	-16.3	2.75 V	166	44.9	12.8
4	11490.00	45.6 AV	54.0	-8.4	2.75 V	166	32.8	12.8
5	#17235.00	57.3 PK	74.0	-16.7	2.11 V	310	39.9	17.4
6	#17235.00	48.6 AV	54.0	-5.4	2.11 V	310	31.2	17.4
7	22980.00	-	-	-	-	-	-	-
8	#28725.00	-	-	-	-	-	-	-
9	#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.

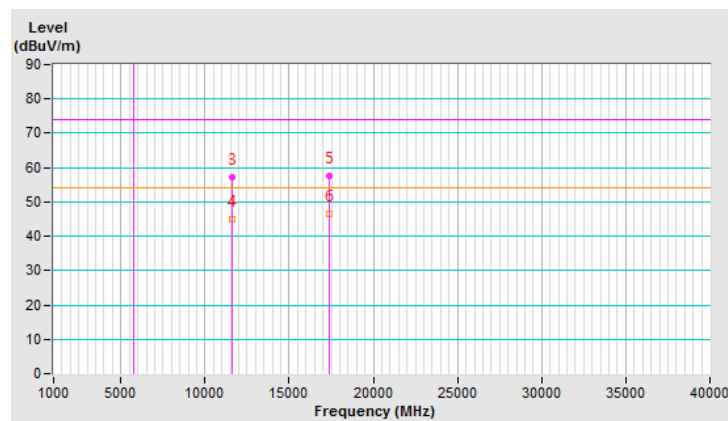


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5785.00	108.1 PK			1.51 H	358	104.1	4.0
2	*5785.00	100.1 AV			1.51 H	358	96.1	4.0
3	11570.00	57.3 PK	74.0	-16.7	1.62 H	167	44.7	12.6
4	11570.00	45.1 AV	54.0	-8.9	1.62 H	167	32.5	12.6
5	#17355.00	57.4 PK	74.0	-16.6	3.13 H	49	39.3	18.1
6	#17355.00	46.6 AV	54.0	-7.4	3.13 H	49	28.5	18.1
7	#23140.00	-	-	-	-	-	-	-
8	#28925.00	-	-	-	-	-	-	-
9	#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.

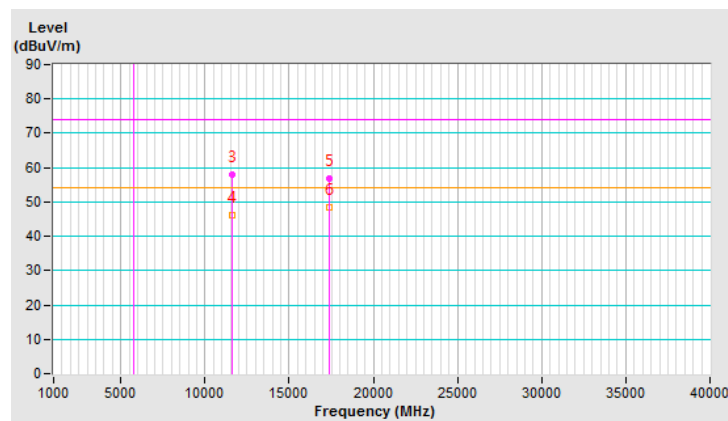


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5785.00	125.4 PK			1.81 V	7	121.4	4.0
2	*5785.00	116.5 AV			1.81 V	7	112.5	4.0
3	11570.00	57.9 PK	74.0	-16.1	2.78 V	167	45.3	12.6
4	11570.00	46.1 AV	54.0	-7.9	2.78 V	167	33.5	12.6
5	#17355.00	56.9 PK	74.0	-17.1	2.09 V	296	38.8	18.1
6	#17355.00	48.5 AV	54.0	-5.5	2.09 V	296	30.4	18.1
7	#23140.00	-	-	-	-	-	-	-
8	#28925.00	-	-	-	-	-	-	-
9	#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.

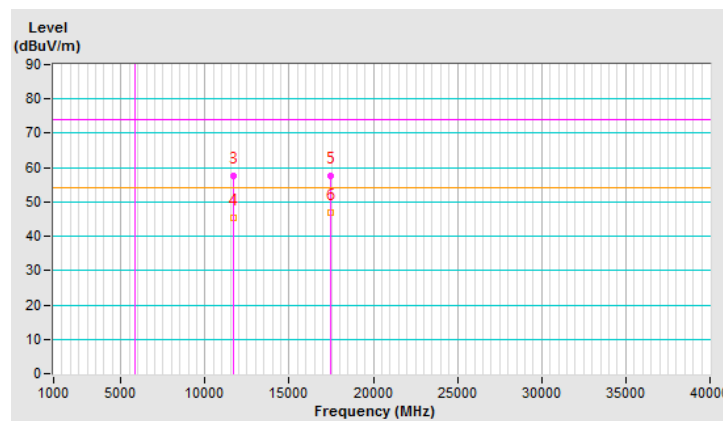


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5825.00	108.7 PK			1.56 H	360	104.6	4.1
2	*5825.00	100.5 AV			1.56 H	360	96.4	4.1
3	11650.00	57.4 PK	74.0	-16.6	1.61 H	164	44.7	12.7
4	11650.00	45.2 AV	54.0	-8.8	1.61 H	164	32.5	12.7
5	#17475.00	57.5 PK	74.0	-16.5	3.11 H	64	38.6	18.9
6	#17475.00	46.8 AV	54.0	-7.2	3.11 H	64	27.9	18.9
7	#23300.00	-	-	-	-	-	-	-
8	#29125.00	-	-	-	-	-	-	-
9	#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.

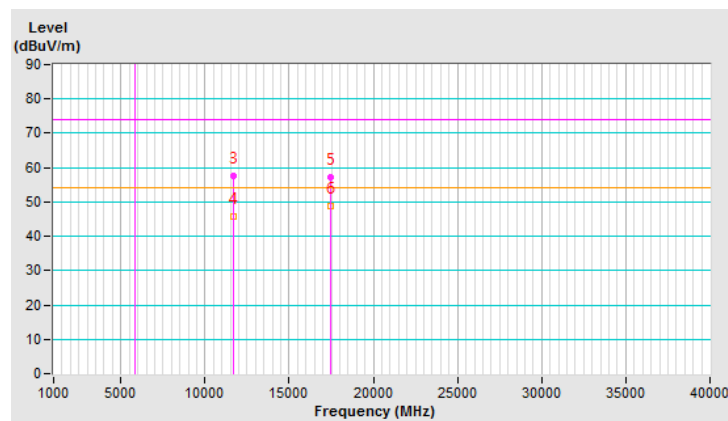


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5825.00	126.1 PK			1.84 V	8	122.0	4.1
2	*5825.00	116.9 AV			1.84 V	8	112.8	4.1
3	11650.00	57.6 PK	74.0	-16.4	2.77 V	180	44.9	12.7
4	11650.00	45.7 AV	54.0	-8.3	2.77 V	180	33.0	12.7
5	#17475.00	57.3 PK	74.0	-16.7	2.08 V	304	38.4	18.9
6	#17475.00	48.8 AV	54.0	-5.2	2.08 V	304	29.9	18.9
7	#23300.00	-	-	-	-	-	-	-
8	#29125.00	-	-	-	-	-	-	-
9	#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 (VHT20)

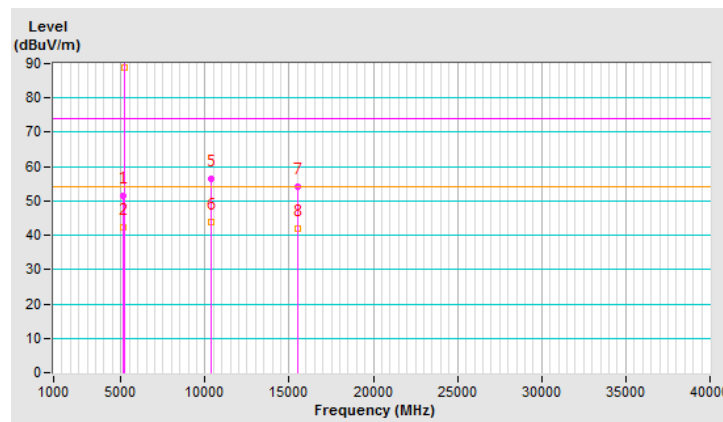
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	51.4 PK	74.0	-22.6	1.19 H	34	48.5	2.9
2	5150.00	42.4 AV	54.0	-11.6	1.19 H	34	39.5	2.9
3	*5180.00	98.5 PK			1.19 H	34	95.5	3.0
4	*5180.00	89.0 AV			1.19 H	34	86.0	3.0
5	#10360.00	56.5 PK	74.0	-17.5	1.00 H	185	44.6	11.9
6	#10360.00	43.7 AV	54.0	-10.3	1.00 H	185	31.8	11.9
7	15540.00	54.1 PK	74.0	-19.9	1.90 H	231	41.9	12.2
8	15540.00	41.9 AV	54.0	-12.1	1.90 H	231	29.7	12.2
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.

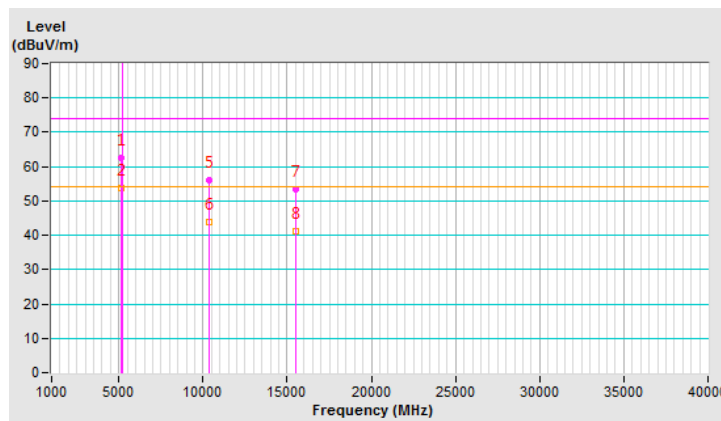


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	62.6 PK	74.0	-11.4	1.44 V	358	59.7	2.9
2	5150.00	53.9 AV	54.0	-0.1	1.44 V	358	51.0	2.9
3	*5180.00	121.2 PK			1.44 V	358	118.2	3.0
4	*5180.00	111.9 AV			1.44 V	358	108.9	3.0
5	#10360.00	56.1 PK	74.0	-17.9	1.46 V	171	44.2	11.9
6	#10360.00	43.9 AV	54.0	-10.1	1.46 V	171	32.0	11.9
7	15540.00	53.3 PK	74.0	-20.7	1.33 V	351	41.1	12.2
8	15540.00	41.0 AV	54.0	-13.0	1.33 V	351	28.8	12.2
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.



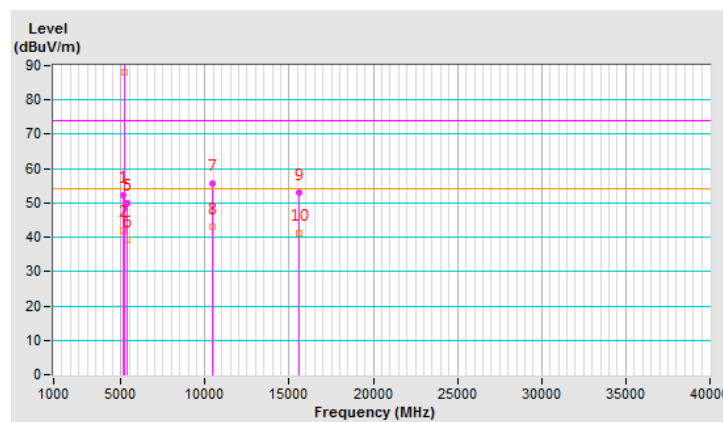
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	52.1 PK	74.0	-21.9	1.23 H	23	49.2	2.9
2	5150.00	42.1 AV	54.0	-11.9	1.23 H	23	39.2	2.9
3	*5200.00	99.0 PK			1.23 H	23	96.0	3.0
4	*5200.00	88.2 AV			1.23 H	23	85.2	3.0
5	5350.00	50.0 PK	74.0	-24.0	1.23 H	23	46.6	3.4
6	5350.00	39.2 AV	54.0	-14.8	1.23 H	23	35.8	3.4
7	#10400.00	55.7 PK	74.0	-18.3	1.08 H	171	43.8	11.9
8	#10400.00	43.0 AV	54.0	-11.0	1.08 H	171	31.1	11.9
9	15600.00	53.1 PK	74.0	-20.9	1.90 H	214	40.8	12.3
10	15600.00	41.0 AV	54.0	-13.0	1.90 H	214	28.7	12.3
11	20800.00	-	-	-	-	-	-	-
12	#26000.00	-	-	-	-	-	-	-
13	31200.00	-	-	-	-	-	-	-
14	#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.

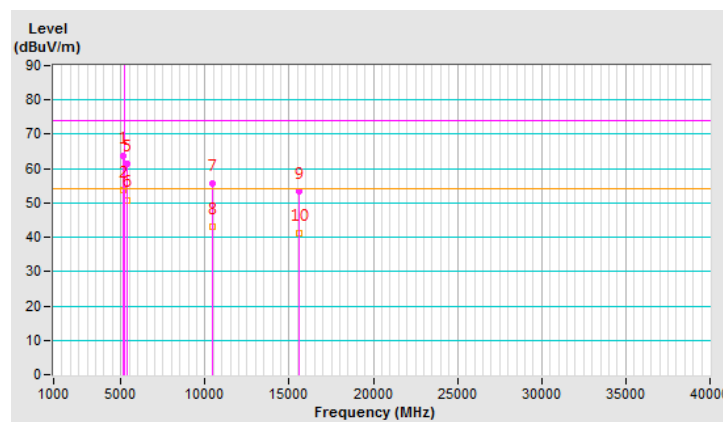


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	63.6 PK	74.0	-10.4	1.35 V	360	60.7	2.9
2	5150.00	53.7 AV	54.0	-0.3	1.35 V	360	50.8	2.9
3	*5200.00	122.1 PK			1.35 V	360	119.1	3.0
4	*5200.00	111.5 AV			1.35 V	360	108.5	3.0
5	5350.00	61.3 PK	74.0	-12.7	1.35 V	360	57.9	3.4
6	5350.00	50.9 AV	54.0	-3.1	1.35 V	360	47.5	3.4
7	#10400.00	55.5 PK	74.0	-18.5	1.49 V	177	43.6	11.9
8	#10400.00	43.2 AV	54.0	-10.8	1.49 V	177	31.3	11.9
9	15600.00	53.5 PK	74.0	-20.5	1.34 V	360	41.2	12.3
10	15600.00	41.0 AV	54.0	-13.0	1.34 V	360	28.7	12.3
11	20800.00	-	-	-	-	-	-	-
12	#26000.00	-	-	-	-	-	-	-
13	31200.00	-	-	-	-	-	-	-
14	#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.

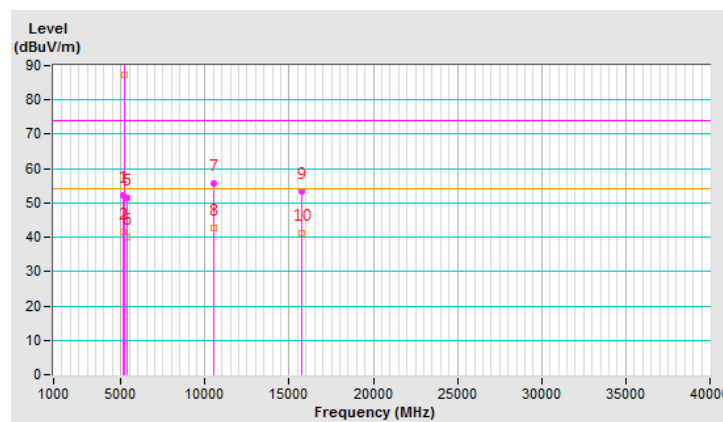


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	52.1 PK	74.0	-21.9	1.24 H	30	49.2	2.9
2	5150.00	41.7 AV	54.0	-12.3	1.24 H	30	38.8	2.9
3	*5240.00	98.0 PK			1.24 H	30	94.9	3.1
4	*5240.00	87.2 AV			1.24 H	30	84.1	3.1
5	5350.00	51.3 PK	74.0	-22.7	1.24 H	30	47.9	3.4
6	5350.00	40.0 AV	54.0	-14.0	1.24 H	30	36.6	3.4
7	#10480.00	55.5 PK	74.0	-18.5	1.00 H	184	43.6	11.9
8	#10480.00	42.8 AV	54.0	-11.2	1.00 H	184	30.9	11.9
9	15720.00	53.2 PK	74.0	-20.8	1.87 H	226	40.2	13.0
10	15720.00	41.1 AV	54.0	-12.9	1.87 H	226	28.1	13.0
11	20960.00	-	-	-	-	-	-	-
12	#26200.00	-	-	-	-	-	-	-
13	31440.00	-	-	-	-	-	-	-
14	#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.

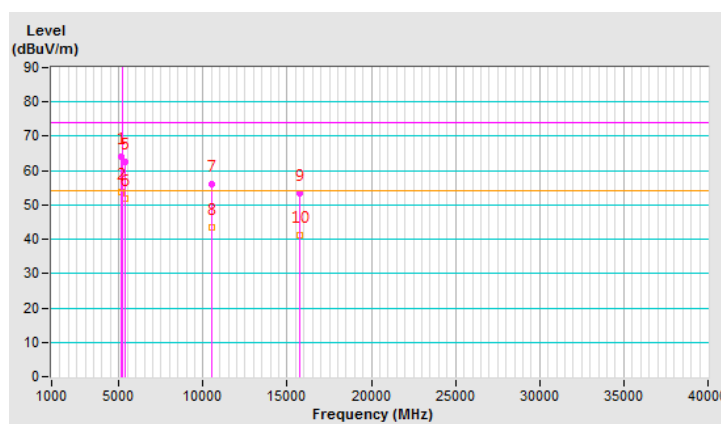


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	63.9 PK	74.0	-10.1	1.33 V	360	61.0	2.9
2	5150.00	53.7 AV	54.0	-0.3	1.33 V	360	50.8	2.9
3	*5240.00	120.6 PK			1.33 V	360	117.5	3.1
4	*5240.00	110.2 AV			1.33 V	360	107.1	3.1
5	5350.00	62.5 PK	74.0	-11.5	1.33 V	360	59.1	3.4
6	5350.00	51.7 AV	54.0	-2.3	1.33 V	360	48.3	3.4
7	#10480.00	55.9 PK	74.0	-18.1	1.52 V	187	44.0	11.9
8	#10480.00	43.6 AV	54.0	-10.4	1.52 V	187	31.7	11.9
9	15720.00	53.3 PK	74.0	-20.7	1.29 V	360	40.3	13.0
10	15720.00	41.2 AV	54.0	-12.8	1.29 V	360	28.2	13.0
11	20960.00	-	-	-	-	-	-	-
12	#26200.00	-	-	-	-	-	-	-
13	31440.00	-	-	-	-	-	-	-
14	#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.

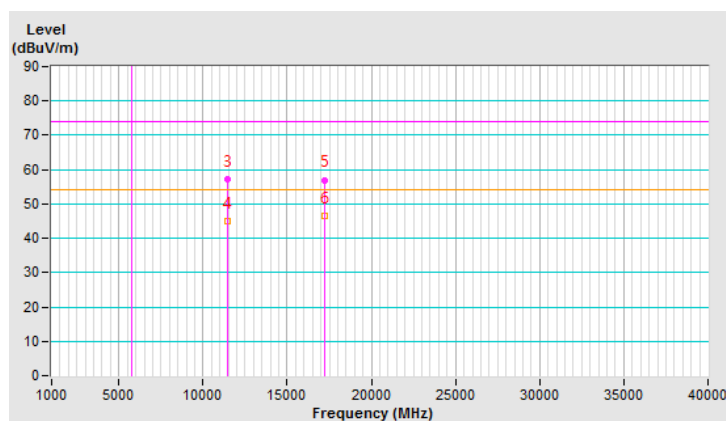


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5745.00	110.0 PK			1.50 H	330	106.0	4.0
2	*5745.00	100.4 AV			1.50 H	330	96.4	4.0
3	11490.00	57.1 PK	74.0	-16.9	1.59 H	158	44.3	12.8
4	11490.00	45.0 AV	54.0	-9.0	1.59 H	158	32.2	12.8
5	#17235.00	57.0 PK	74.0	-17.0	3.13 H	52	39.6	17.4
6	#17235.00	46.4 AV	54.0	-7.6	3.13 H	52	29.0	17.4
7	22980.00	-	-	-	-	-	-	-
8	#28725.00	-	-	-	-	-	-	-
9	#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.

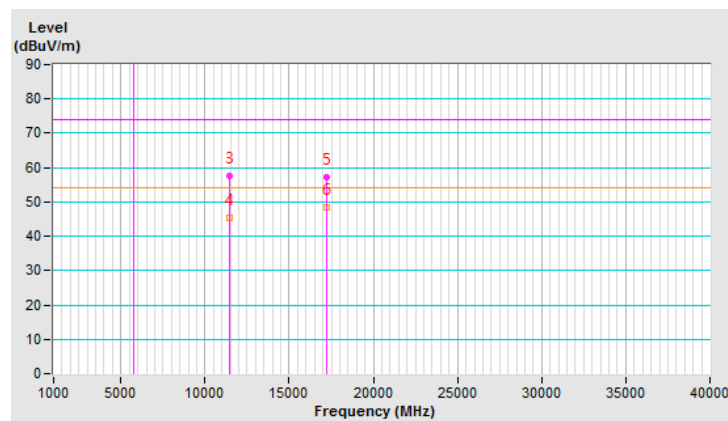


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5745.00	125.5 PK			2.08 V	217	121.5	4.0
2	*5745.00	116.5 AV			2.08 V	217	112.5	4.0
3	11490.00	57.5 PK	74.0	-16.5	2.75 V	170	44.7	12.8
4	11490.00	45.3 AV	54.0	-8.7	2.75 V	170	32.5	12.8
5	#17235.00	57.1 PK	74.0	-16.9	2.16 V	313	39.7	17.4
6	#17235.00	48.3 AV	54.0	-5.7	2.16 V	313	30.9	17.4
7	22980.00	-	-	-	-	-	-	-
8	#28725.00	-	-	-	-	-	-	-
9	#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.

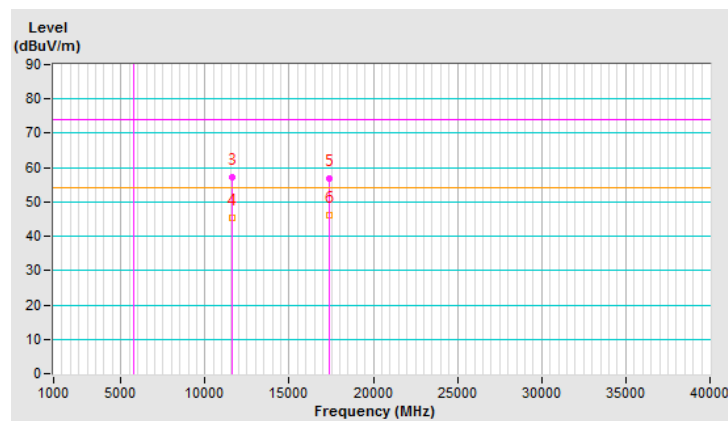


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5785.00	109.8 PK			1.50 H	330	105.8	4.0
2	*5785.00	100.5 AV			1.50 H	330	96.5	4.0
3	11570.00	57.2 PK	74.0	-16.8	1.61 H	152	44.6	12.6
4	11570.00	45.2 AV	54.0	-8.8	1.61 H	152	32.6	12.6
5	#17355.00	56.9 PK	74.0	-17.1	3.14 H	43	38.8	18.1
6	#17355.00	46.2 AV	54.0	-7.8	3.14 H	43	28.1	18.1
7	#23140.00	-	-	-	-	-	-	-
8	#28925.00	-	-	-	-	-	-	-
9	#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.

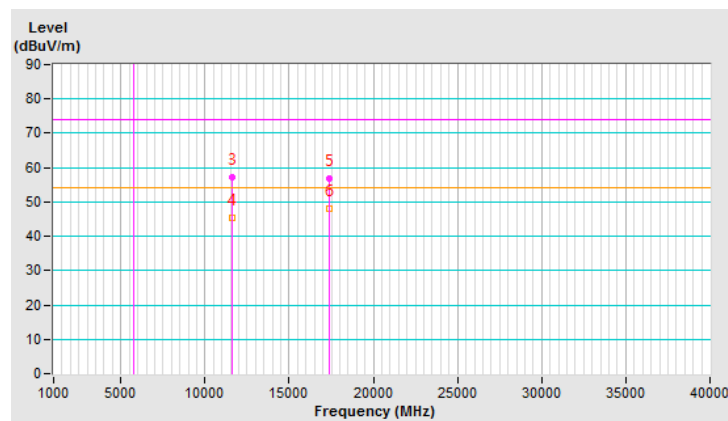


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5785.00	125.2 PK			1.85 V	360	121.2	4.0
2	*5785.00	115.8 AV			1.85 V	360	111.8	4.0
3	11570.00	57.2 PK	74.0	-16.8	2.76 V	151	44.6	12.6
4	11570.00	45.3 AV	54.0	-8.7	2.76 V	151	32.7	12.6
5	#17355.00	56.8 PK	74.0	-17.2	2.09 V	313	38.7	18.1
6	#17355.00	48.1 AV	54.0	-5.9	2.09 V	313	30.0	18.1
7	#23140.00	-	-	-	-	-	-	-
8	#28925.00	-	-	-	-	-	-	-
9	#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.

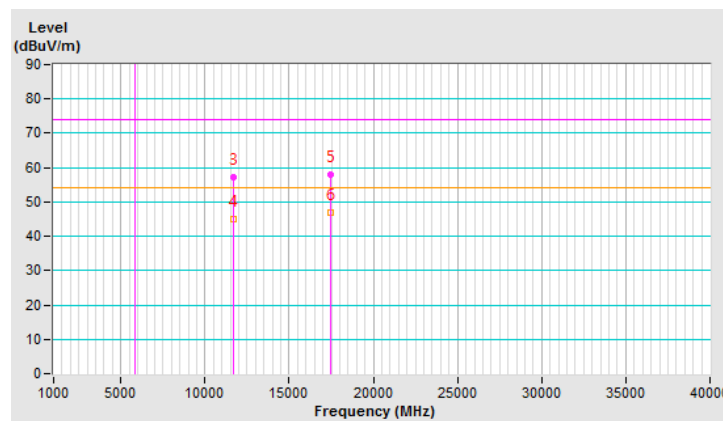


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5825.00	110.0 PK			1.45 H	327	105.9	4.1
2	*5825.00	100.6 AV			1.45 H	327	96.5	4.1
3	11650.00	57.3 PK	74.0	-16.7	1.61 H	155	44.6	12.7
4	11650.00	44.9 AV	54.0	-9.1	1.61 H	155	32.2	12.7
5	#17475.00	57.8 PK	74.0	-16.2	3.12 H	62	38.9	18.9
6	#17475.00	46.8 AV	54.0	-7.2	3.12 H	62	27.9	18.9
7	#23300.00	-	-	-	-	-	-	-
8	#29125.00	-	-	-	-	-	-	-
9	#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.

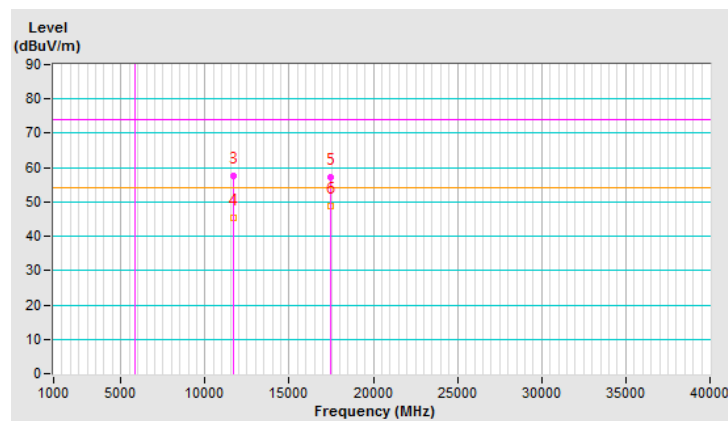


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5825.00	125.6 PK			1.74 V	12	121.5	4.1
2	*5825.00	115.7 AV			1.74 V	12	111.6	4.1
3	11650.00	57.6 PK	74.0	-16.4	2.76 V	175	44.9	12.7
4	11650.00	45.5 AV	54.0	-8.5	2.76 V	175	32.8	12.7
5	#17475.00	57.2 PK	74.0	-16.8	2.07 V	306	38.3	18.9
6	#17475.00	48.7 AV	54.0	-5.3	2.07 V	306	29.8	18.9
7	#23300.00	-	-	-	-	-	-	-
8	#29125.00	-	-	-	-	-	-	-
9	#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 (VHT40)

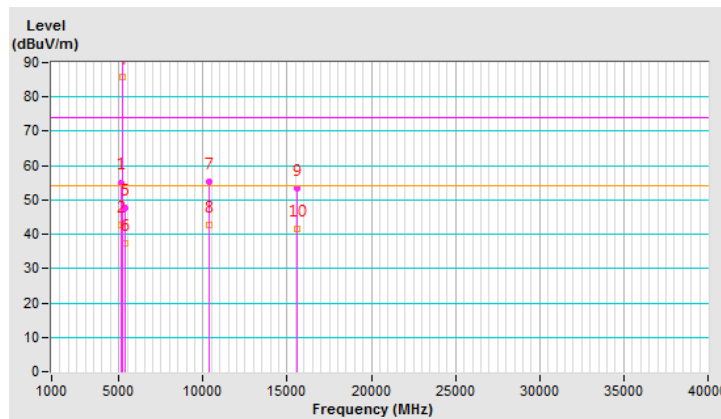
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38 : 5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	55.1 PK	74.0	-18.9	1.29 H	27	52.2	2.9
2	5150.00	42.6 AV	54.0	-11.4	1.29 H	27	39.7	2.9
3	*5190.00	94.9 PK			1.29 H	27	91.9	3.0
4	*5190.00	85.8 AV			1.29 H	27	82.8	3.0
5	5350.00	47.5 PK	74.0	-26.5	1.29 H	27	44.1	3.4
6	5350.00	37.2 AV	54.0	-16.8	1.29 H	27	33.8	3.4
7	#10380.00	55.3 PK	74.0	-18.7	1.00 H	184	43.3	12.0
8	#10380.00	42.6 AV	54.0	-11.4	1.00 H	184	30.6	12.0
9	15570.00	53.5 PK	74.0	-20.5	1.89 H	229	41.2	12.3
10	15570.00	41.4 AV	54.0	-12.6	1.89 H	229	29.1	12.3
11	20760.00	-	-	-	-	-	-	-
12	#25950.00	-	-	-	-	-	-	-
13	#31140.00	-	-	-	-	-	-	-
14	#36330.00	-	-	-	-	-	-	-

REMARKS:

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

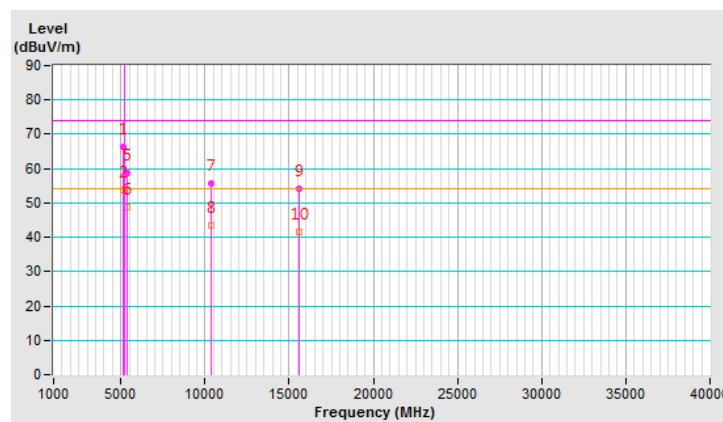


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	66.2 PK	74.0	-7.8	1.50 V	360	63.3	2.9
2	5150.00	53.9 AV	54.0	-0.1	1.50 V	360	51.0	2.9
3	*5190.00	117.1 PK			1.50 V	360	114.1	3.0
4	*5190.00	108.2 AV			1.50 V	360	105.2	3.0
5	5350.00	58.6 PK	74.0	-15.4	1.50 V	360	55.2	3.4
6	5350.00	48.7 AV	54.0	-5.3	1.50 V	360	45.3	3.4
7	#10380.00	55.8 PK	74.0	-18.2	1.44 V	164	43.8	12.0
8	#10380.00	43.4 AV	54.0	-10.6	1.44 V	164	31.4	12.0
9	15570.00	54.0 PK	74.0	-20.0	1.36 V	342	41.7	12.3
10	15570.00	41.5 AV	54.0	-12.5	1.36 V	342	29.2	12.3
11	20760.00	-	-	-	-	-	-	-
12	#25950.00	-	-	-	-	-	-	-
13	#31140.00	-	-	-	-	-	-	-
14	#36330.00	-	-	-	-	-	-	-

REMARKS:

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



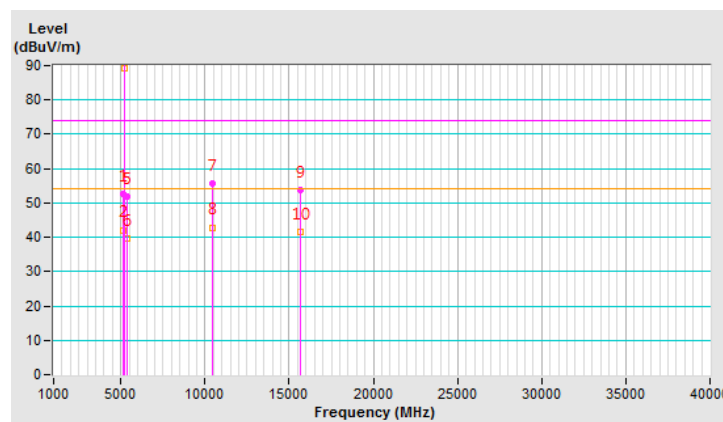
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	52.6 PK	74.0	-21.4	1.30 H	40	49.7	2.9
2	5150.00	42.1 AV	54.0	-11.9	1.30 H	40	39.2	2.9
3	*5230.00	97.3 PK			1.30 H	40	94.2	3.1
4	*5230.00	89.3 AV			1.30 H	40	86.2	3.1
5	5350.00	51.8 PK	74.0	-22.2	1.30 H	40	48.4	3.4
6	5350.00	39.6 AV	54.0	-14.4	1.30 H	40	36.2	3.4
7	#10460.00	55.6 PK	74.0	-18.4	1.04 H	177	43.6	12.0
8	#10460.00	42.9 AV	54.0	-11.1	1.04 H	177	30.9	12.0
9	15690.00	53.7 PK	74.0	-20.3	1.88 H	242	40.7	13.0
10	15690.00	41.6 AV	54.0	-12.4	1.88 H	242	28.6	13.0
11	20920.00	-	-	-	-	-	-	-
12	#26150.00	-	-	-	-	-	-	-
13	31380.00	-	-	-	-	-	-	-
14	#36610.00	-	-	-	-	-	-	-

REMARKS:

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

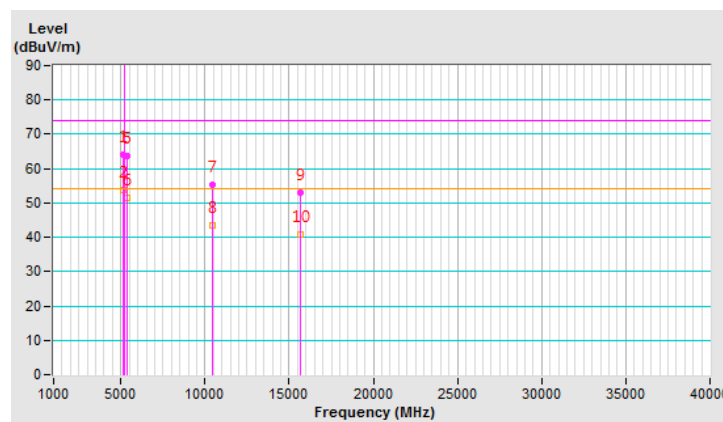


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	64.2 PK	74.0	-9.8	1.46 V	360	61.3	2.9
2	5150.00	53.7 AV	54.0	-0.3	1.46 V	360	50.8	2.9
3	*5230.00	118.9 PK			1.46 V	360	115.8	3.1
4	*5230.00	111.2 AV			1.46 V	360	108.1	3.1
5	5350.00	63.6 PK	74.0	-10.4	1.46 V	360	60.2	3.4
6	5350.00	51.5 AV	54.0	-2.5	1.46 V	360	48.1	3.4
7	#10460.00	55.4 PK	74.0	-18.6	1.41 V	163	43.4	12.0
8	#10460.00	43.5 AV	54.0	-10.5	1.41 V	163	31.5	12.0
9	15690.00	52.9 PK	74.0	-21.1	1.38 V	347	39.9	13.0
10	15690.00	40.7 AV	54.0	-13.3	1.38 V	347	27.7	13.0
11	20920.00	-	-	-	-	-	-	-
12	#26150.00	-	-	-	-	-	-	-
13	31380.00	-	-	-	-	-	-	-
14	#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.

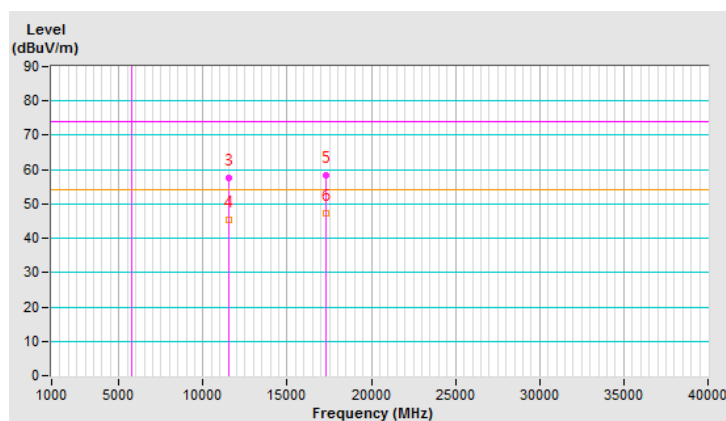


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5755.00	106.7 PK			2.19 H	331	102.7	4.0
2	*5755.00	97.8 AV			2.19 H	331	93.8	4.0
3	11510.00	57.5 PK	74.0	-16.5	1.63 H	143	44.8	12.7
4	11510.00	45.3 AV	54.0	-8.7	1.63 H	143	32.6	12.7
5	#17265.00	58.4 PK	74.0	-15.6	3.14 H	57	40.8	17.6
6	#17265.00	47.2 AV	54.0	-6.8	3.14 H	57	29.6	17.6
7	23020.00	-	-	-	-	-	-	-
8	#28775.00	-	-	-	-	-	-	-
9	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

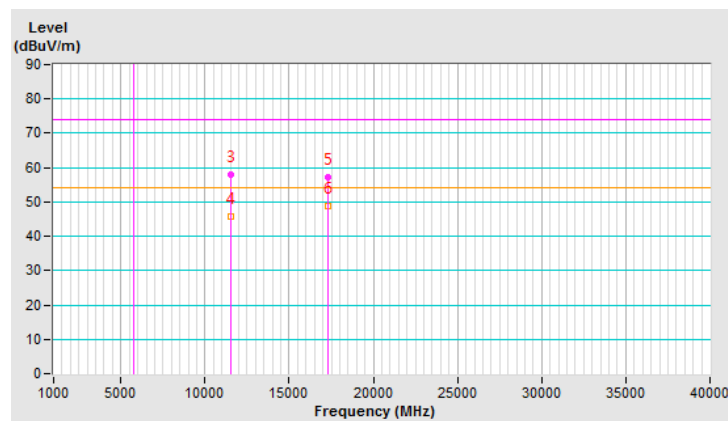


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5755.00	121.7 PK			2.11 V	216	117.7	4.0
2	*5755.00	113.0 AV			2.11 V	216	109.0	4.0
3	11510.00	58.0 PK	74.0	-16.0	2.81 V	170	45.3	12.7
4	11510.00	45.7 AV	54.0	-8.3	2.81 V	170	33.0	12.7
5	#17265.00	57.3 PK	74.0	-16.7	2.13 V	302	39.7	17.6
6	#17265.00	48.7 AV	54.0	-5.3	2.13 V	302	31.1	17.6
7	23020.00	-	-	-	-	-	-	-
8	#28775.00	-	-	-	-	-	-	-
9	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

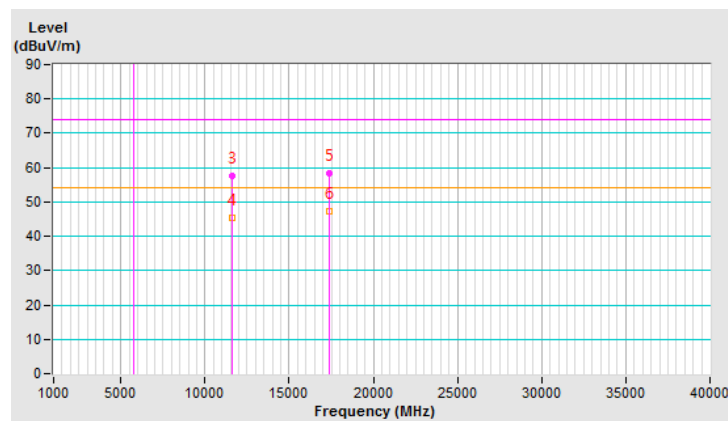


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5795.00	107.3 PK			2.15 H	328	103.3	4.0
2	*5795.00	98.2 AV			2.15 H	328	94.2	4.0
3	11590.00	57.6 PK	74.0	-16.4	1.64 H	151	45.0	12.6
4	11590.00	45.3 AV	54.0	-8.7	1.64 H	151	32.7	12.6
5	#17385.00	58.4 PK	74.0	-15.6	3.08 H	75	40.0	18.4
6	#17385.00	47.2 AV	54.0	-6.8	3.08 H	75	28.8	18.4
7	#23180.00	-	-	-	-	-	-	-
8	#28975.00	-	-	-	-	-	-	-
9	#34770.00	-	-	-	-	-	-	-

REMARKS:

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

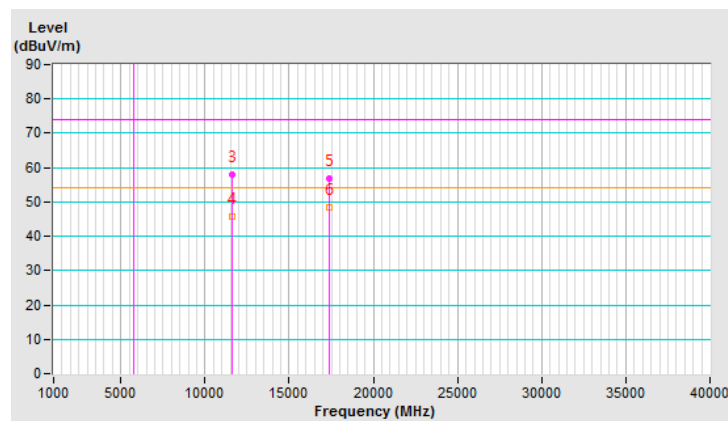


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5795.00	123.0 PK			1.90 V	218	119.0	4.0
2	*5795.00	113.8 AV			1.90 V	218	109.8	4.0
3	11590.00	57.8 PK	74.0	-16.2	2.71 V	185	45.2	12.6
4	11590.00	45.8 AV	54.0	-8.2	2.71 V	185	33.2	12.6
5	#17385.00	56.9 PK	74.0	-17.1	2.16 V	326	38.5	18.4
6	#17385.00	48.3 AV	54.0	-5.7	2.16 V	326	29.9	18.4
7	#23180.00	-	-	-	-	-	-	-
8	#28975.00	-	-	-	-	-	-	-
9	#34770.00	-	-	-	-	-	-	-

REMARKS:

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



802.11ac (VHT80)

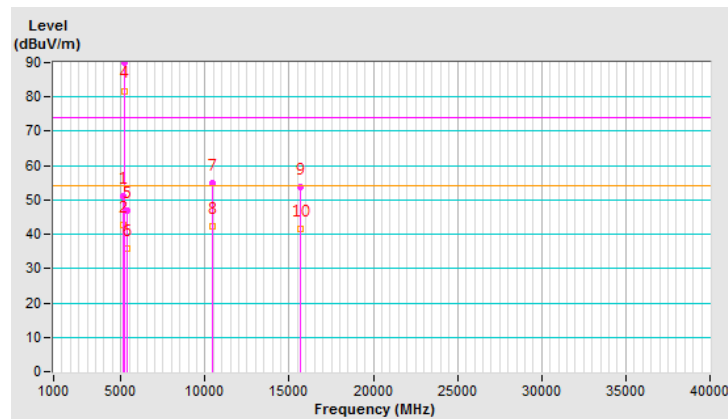
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	51.1 PK	74.0	-22.9	1.25 H	29	48.2	2.9
2	5150.00	42.6 AV	54.0	-11.4	1.25 H	29	39.7	2.9
3	*5210.00	90.0 PK			1.25 H	29	87.0	3.0
4	*5210.00	81.8 AV			1.25 H	29	78.8	3.0
5	5350.00	46.8 PK	74.0	-27.2	1.25 H	29	43.4	3.4
6	5350.00	35.9 AV	54.0	-18.1	1.25 H	29	32.5	3.4
7	#10420.00	54.8 PK	74.0	-19.2	1.02 H	188	42.9	11.9
8	#10420.00	42.2 AV	54.0	-11.8	1.02 H	188	30.3	11.9
9	15630.00	53.6 PK	74.0	-20.4	1.89 H	225	41.1	12.5
10	15630.00	41.5 AV	54.0	-12.5	1.89 H	225	29.0	12.5
11	20840.00	-	-	-	-	-	-	-
12	#26050.00	-	-	-	-	-	-	-
13	31260.00	-	-	-	-	-	-	-
14	36470.00	-	-	-	-	-	-	-

REMARKS:

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

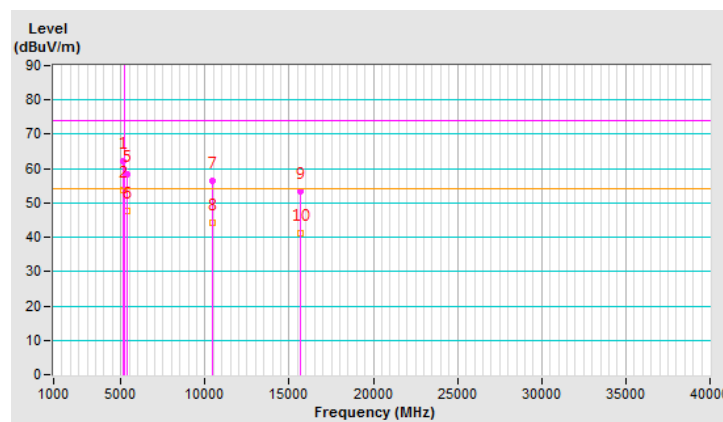


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	62.0 PK	74.0	-12.0	1.50 V	0	59.1	2.9
2	5150.00	53.9 AV	54.0	-0.1	1.50 V	0	51.0	2.9
3	*5210.00	110.5 PK			1.50 V	0	107.5	3.0
4	*5210.00	102.8 AV			1.50 V	0	99.8	3.0
5	5350.00	58.2 PK	74.0	-15.8	1.50 V	0	54.8	3.4
6	5350.00	47.5 AV	54.0	-6.5	1.50 V	0	44.1	3.4
7	#10420.00	56.5 PK	74.0	-17.5	1.49 V	157	44.6	11.9
8	#10420.00	44.2 AV	54.0	-9.8	1.49 V	157	32.3	11.9
9	15630.00	53.5 PK	74.0	-20.5	1.30 V	360	41.0	12.5
10	15630.00	41.2 AV	54.0	-12.8	1.30 V	360	28.7	12.5
11	20840.00	-	-	-	-	-	-	-
12	#26050.00	-	-	-	-	-	-	-
13	31260.00	-	-	-	-	-	-	-
14	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.

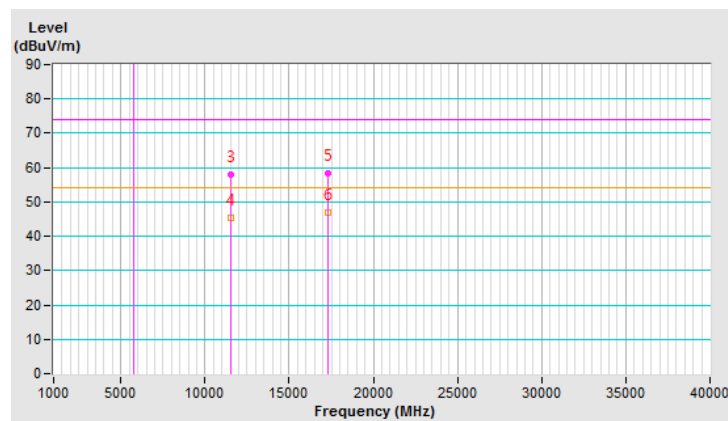


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5775.00	98.6 PK			1.50 H	210	94.6	4.0
2	*5775.00	91.3 AV			1.50 H	210	87.3	4.0
3	11550.00	58.0 PK	74.0	-16.0	1.60 H	165	45.4	12.6
4	11550.00	45.4 AV	54.0	-8.6	1.60 H	165	32.8	12.6
5	#17325.00	58.3 PK	74.0	-15.7	3.12 H	85	40.5	17.8
6	#17325.00	46.8 AV	54.0	-7.2	3.12 H	85	29.0	17.8
7	23100.00	-	-	-	-	-	-	-
8	#28875.00	-	-	-	-	-	-	-
9	#34650.00	-	-	-	-	-	-	-

REMARKS:

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

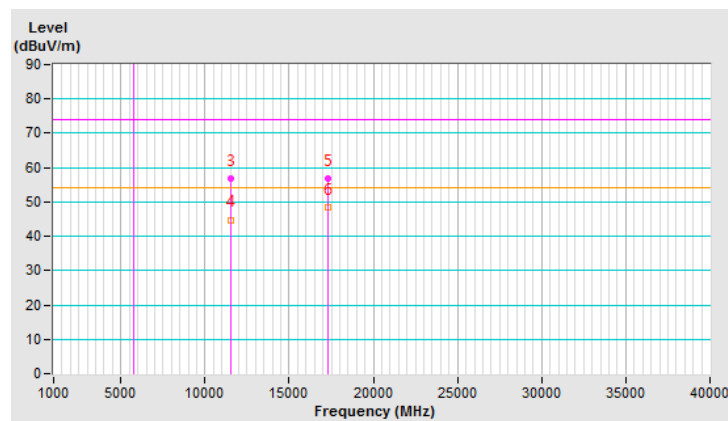


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	*5775.00	114.3 PK			2.10 V	216	110.3	4.0
2	*5775.00	106.9 AV			2.10 V	216	102.9	4.0
3	11550.00	56.8 PK	74.0	-17.2	2.78 V	170	44.2	12.6
4	11550.00	44.8 AV	54.0	-9.2	2.78 V	170	32.2	12.6
5	#17325.00	56.8 PK	74.0	-17.2	2.15 V	324	39.0	17.8
6	#17325.00	48.3 AV	54.0	-5.7	2.15 V	324	30.5	17.8
7	23100.00	-	-	-	-	-	-	-
8	#28875.00	-	-	-	-	-	-	-
9	#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.



802.11ac (VHT80+80)

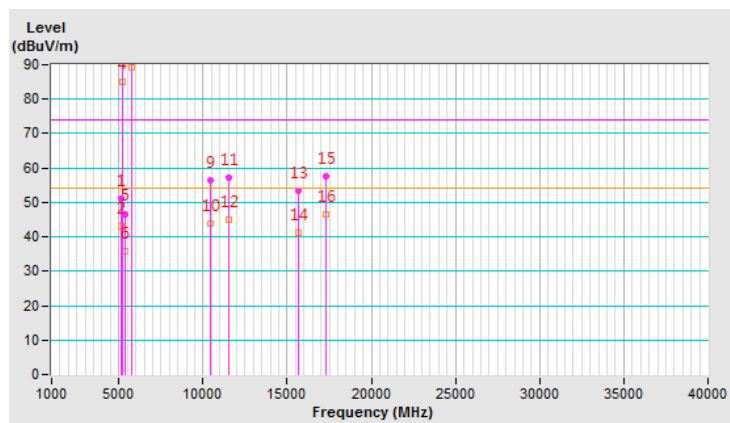
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42+155：5210+5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	51.2 PK	74.0	-22.8	1.23 H	37	48.3	2.9
2	5150.00	43.0 AV	54.0	-11.0	1.23 H	37	40.1	2.9
3	5210.00	93.1 PK			1.23 H	37	90.1	3.0
1	*5210.00	85.1 AV			1.23 H	37	82.1	3.0
2	5350.00	46.7 PK	74.0	-27.3	1.23 H	37	43.3	3.4
3	5350.00	35.8 AV	54.0	-18.2	1.23 H	37	32.4	3.4
4	*5775.00	97.0 PK			1.96 H	321	93.0	4.0
5	*5775.00	89.3 AV			1.96 H	321	85.3	4.0
6	#10420.00	56.5 PK	74.0	-17.5	1.02 H	195	44.6	11.9
7	#10420.00	43.7 AV	54.0	-10.3	1.02 H	195	31.8	11.9
8	11550.00	57.1 PK	74.0	-16.9	1.66 H	179	44.5	12.6
9	11550.00	45.1 AV	54.0	-8.9	1.66 H	179	32.5	12.6
10	15630.00	53.4 PK	74.0	-20.6	1.89 H	220	40.9	12.5
11	15630.00	41.0 AV	54.0	-13.0	1.89 H	220	28.5	12.5
12	#17325.00	57.5 PK	74.0	-16.5	3.15 H	60	39.7	17.8
13	#17325.00	46.6 AV	54.0	-7.4	3.15 H	60	28.8	17.8
14	20840.00	-	-	-	-	-	-	-
15	23100.00	-	-	-	-	-	-	-
16	#26050.00	-	-	-	-	-	-	-
17	#28875.00	-	-	-	-	-	-	-
18	31260.00	-	-	-	-	-	-	-
19	#34650.00	-	-	-	-	-	-	-
20	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.

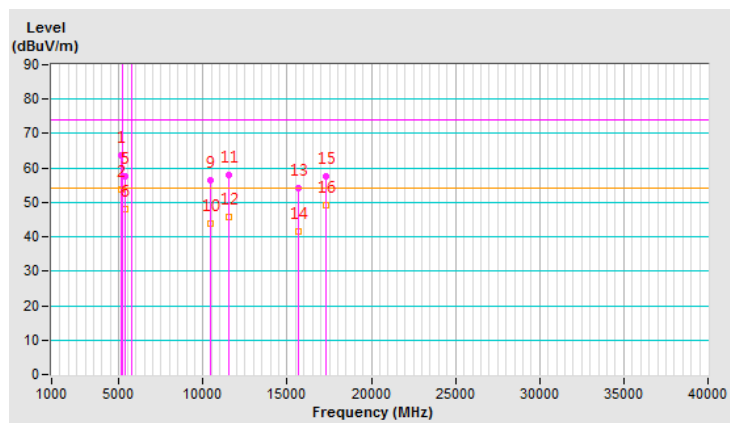


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42+155：5210+5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	63.8 PK	74.0	-10.2	1.50 V	1	60.9	2.9
2	5150.00	53.9 AV	54.0	-0.1	1.50 V	1	51.0	2.9
3	5210.00	108.8 PK			1.50 V	1	105.8	3.0
1	*5210.00	100.7 AV			1.50 V	1	97.7	3.0
2	5350.00	57.6 PK	74.0	-16.4	1.50 V	1	54.2	3.4
3	5350.00	48.0 AV	54.0	-6.0	1.50 V	1	44.6	3.4
4	*5775.00	110.4 PK			1.91 V	21	106.4	4.0
5	*5775.00	102.5 AV			1.91 V	21	98.5	4.0
6	#10420.00	56.3 PK	74.0	-17.7	1.53 V	177	44.4	11.9
7	#10420.00	44.0 AV	54.0	-10.0	1.53 V	177	32.1	11.9
8	11550.00	57.8 PK	74.0	-16.2	2.73 V	185	45.2	12.6
9	11550.00	45.7 AV	54.0	-8.3	2.73 V	185	33.1	12.6
10	15630.00	54.0 PK	74.0	-20.0	1.30 V	354	41.5	12.5
11	15630.00	41.5 AV	54.0	-12.5	1.30 V	354	29.0	12.5
12	#17325.00	57.6 PK	74.0	-16.4	2.12 V	320	39.8	17.8
13	#17325.00	49.1 AV	54.0	-4.9	2.12 V	320	31.3	17.8
14	20840.00	-	-	-	-	-	-	-
15	23100.00	-	-	-	-	-	-	-
16	#26050.00	-	-	-	-	-	-	-
17	#28875.00	-	-	-	-	-	-	-
18	31260.00	-	-	-	-	-	-	-
19	#34650.00	-	-	-	-	-	-	-
20	36470.00	-	-	-	-	-	-	-

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.



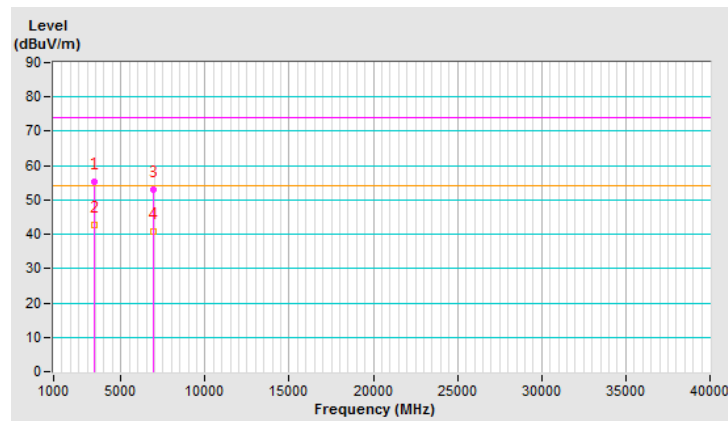
9.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 36 : 5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3453.33	55.4 PK	74.0	-18.6	1.00 H	189	55.6	-0.2
2	3453.33	42.6 AV	54.0	-11.4	1.00 H	189	42.8	-0.2
3	6906.67	53.1 PK	74.0	-20.9	1.92 H	215	45.9	7.2
4	6906.67	40.9 AV	54.0	-13.1	1.92 H	215	33.7	7.2

REMARKS:

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

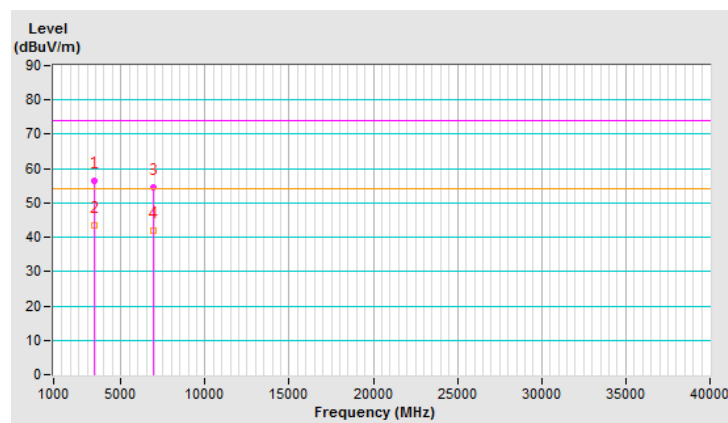


操作模式：	接收		
基本波頻率：	CH 36 : 5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3453.33	56.3 PK	74.0	-17.7	1.48 V	164	56.5	-0.2
2	3453.33	43.6 AV	54.0	-10.4	1.48 V	164	43.8	-0.2
3	6906.67	54.5 PK	74.0	-19.5	1.32 V	333	47.3	7.2
4	6906.67	41.8 AV	54.0	-12.2	1.32 V	333	34.6	7.2

REMARKS:

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

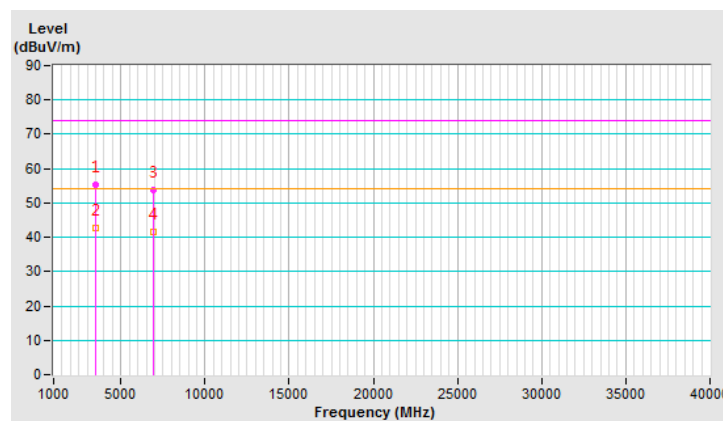


操作模式：	接收		
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3466.67	55.3 PK	74.0	-18.7	1.04 H	191	55.5	-0.2
2	3466.67	42.6 AV	54.0	-11.4	1.04 H	191	42.8	-0.2
3	6933.33	53.6 PK	74.0	-20.4	1.98 H	224	46.4	7.2
4	6933.33	41.4 AV	54.0	-12.6	1.98 H	224	34.2	7.2

REMARKS:

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

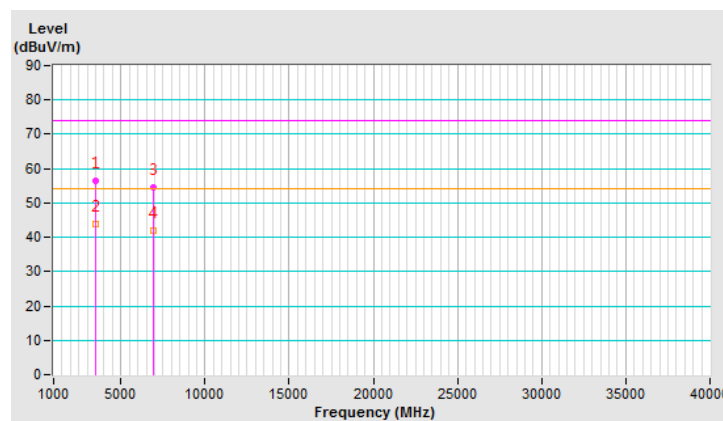


操作模式：	接收		
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3466.67	56.5 PK	74.0	-17.5	1.53 V	175	56.7	-0.2
2	3466.67	43.7 AV	54.0	-10.3	1.53 V	175	43.9	-0.2
3	6933.33	54.4 PK	74.0	-19.6	1.26 V	341	47.2	7.2
4	6933.33	41.8 AV	54.0	-12.2	1.26 V	341	34.6	7.2

REMARKS:

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



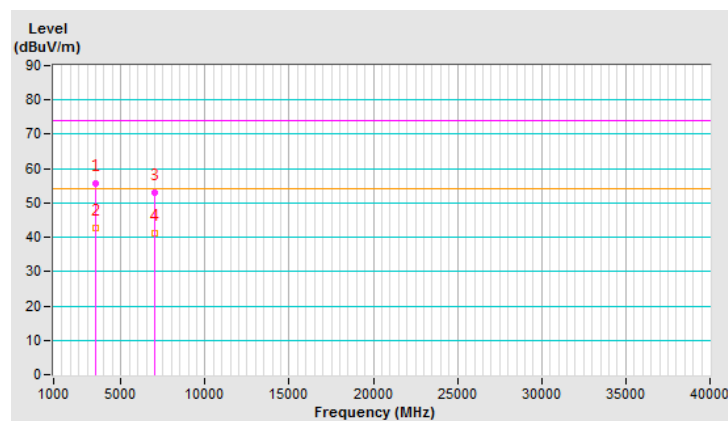
操作模式：	接收		
基本波頻率：	CH 48 : 5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3493.33	55.6 PK	74.0	-18.4	1.00 H	174	55.7	-0.1
2	3493.33	42.7 AV	54.0	-11.3	1.00 H	174	42.8	-0.1
3	6986.67	53.0 PK	74.0	-21.0	1.94 H	215	45.6	7.4
4	6986.67	41.1 AV	54.0	-12.9	1.94 H	215	33.7	7.4

REMARKS:

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

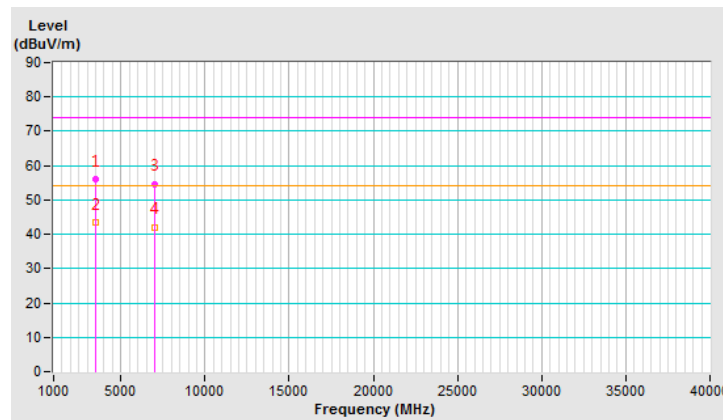


操作模式：	接收		
基本波頻率：	CH 48 : 5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3493.33	56.0 PK	74.0	-18.0	1.49 V	150	56.1	-0.1
2	3493.33	43.3 AV	54.0	-10.7	1.49 V	150	43.4	-0.1
3	6986.67	54.7 PK	74.0	-19.3	1.35 V	320	47.3	7.4
4	6986.67	42.1 AV	54.0	-11.9	1.35 V	320	34.7	7.4

REMARKS:

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

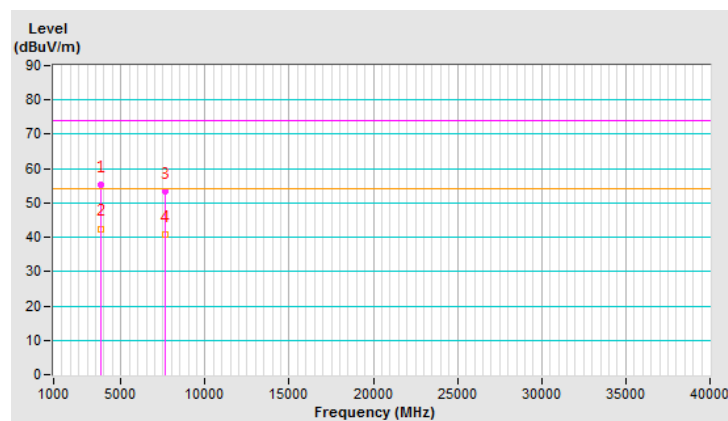


操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3830.00	55.4 PK	74.0	-18.6	1.00 H	197	54.9	0.5
2	3830.00	42.5 AV	54.0	-11.5	1.00 H	197	42.0	0.5
3	7660.00	53.2 PK	74.0	-20.8	1.93 H	215	43.9	9.3
4	7660.00	40.8 AV	54.0	-13.2	1.93 H	215	31.5	9.3

REMARKS:

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

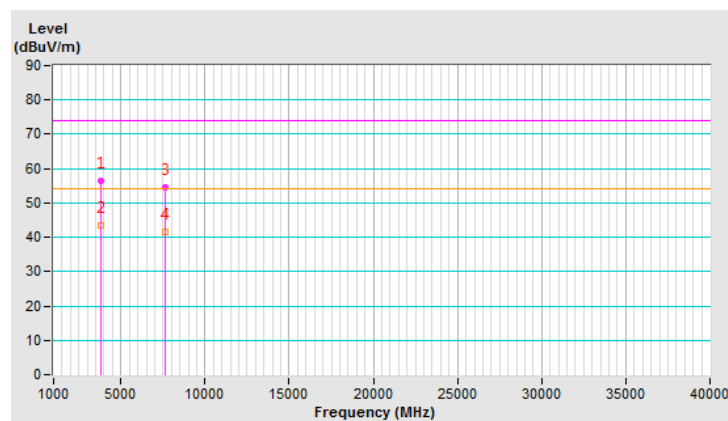


操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3830.00	56.3 PK	74.0	-17.7	1.52 V	169	55.8	0.5
2	3830.00	43.6 AV	54.0	-10.4	1.52 V	169	43.1	0.5
3	7660.00	54.4 PK	74.0	-19.6	1.38 V	332	45.1	9.3
4	7660.00	41.5 AV	54.0	-12.5	1.38 V	332	32.2	9.3

REMARKS:

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



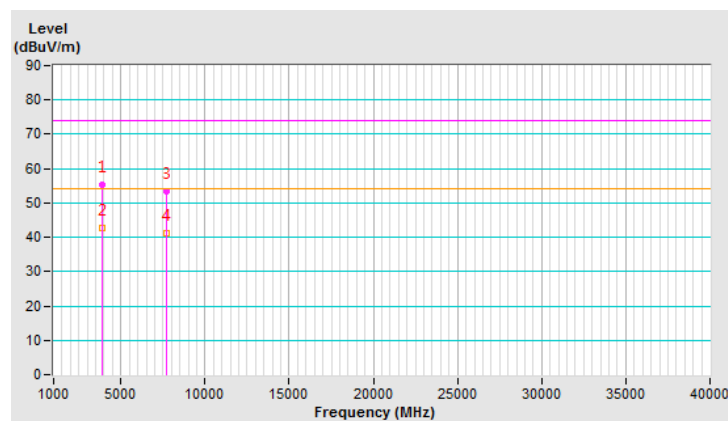
操作模式：	接收		
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3856.67	55.2 PK	74.0	-18.8	1.00 H	182	54.6	0.6
2	3856.67	42.7 AV	54.0	-11.3	1.00 H	182	42.1	0.6
3	7713.33	53.4 PK	74.0	-20.6	1.97 H	227	44.1	9.3
4	7713.33	41.1 AV	54.0	-12.9	1.97 H	227	31.8	9.3

REMARKS:

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

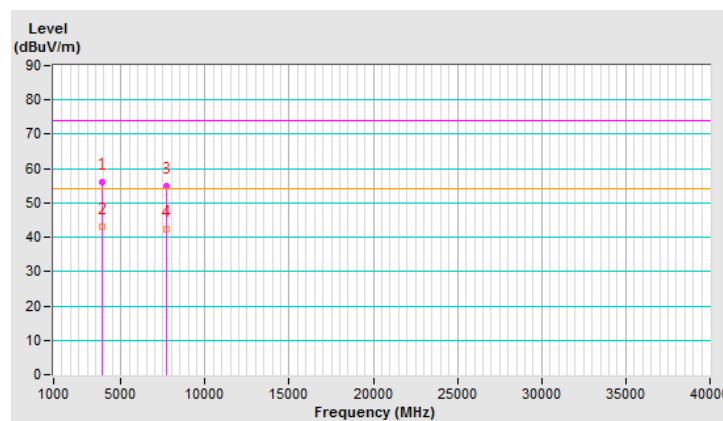


操作模式：	接收		
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3856.67	55.9 PK	74.0	-18.1	1.45 V	168	55.3	0.6
2	3856.67	43.2 AV	54.0	-10.8	1.45 V	168	42.6	0.6
3	7713.33	55.0 PK	74.0	-19.0	1.36 V	333	45.7	9.3
4	7713.33	42.2 AV	54.0	-11.8	1.36 V	333	32.9	9.3

REMARKS:

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



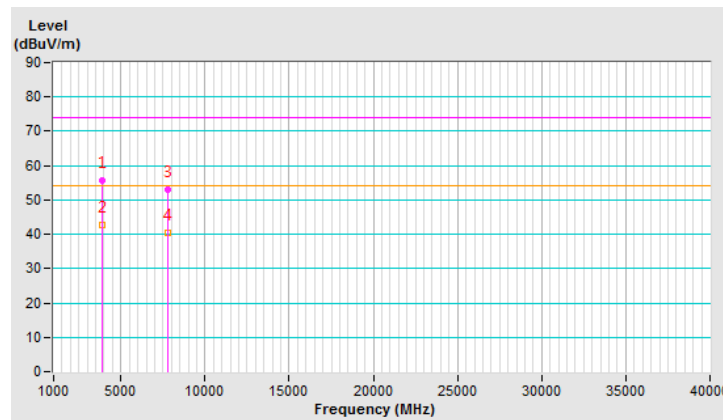
操作模式：	接收		
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106年3月16日	測試者：	黃迪祥

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	3883.33	55.7 PK	74.0	-18.3	1.06 H	197	55.1	0.6
2	3883.33	42.7 AV	54.0	-11.3	1.06 H	197	42.1	0.6
3	7766.67	52.9 PK	74.0	-21.1	1.93 H	218	43.7	9.2
4	7766.67	40.5 AV	54.0	-13.5	1.93 H	218	31.3	9.2

REMARKS:

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

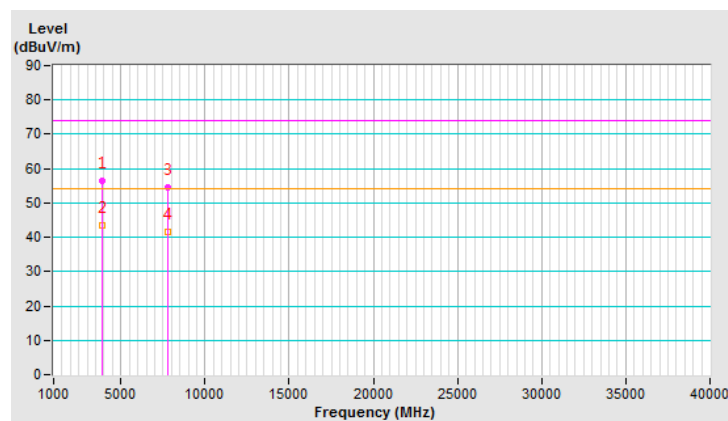


操作模式：	接收		
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	106 年 3 月 16 日	測試者：	黃迪祥

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	3883.33	56.5 PK	74.0	-17.5	1.47 V	178	55.9	0.6
2	3883.33	43.6 AV	54.0	-10.4	1.47 V	178	43.0	0.6
3	7766.67	54.4 PK	74.0	-19.6	1.33 V	324	45.2	9.2
4	7766.67	41.4 AV	54.0	-12.6	1.33 V	324	32.2	9.2

REMARKS:

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



9.6.3 其它不必要之訊號

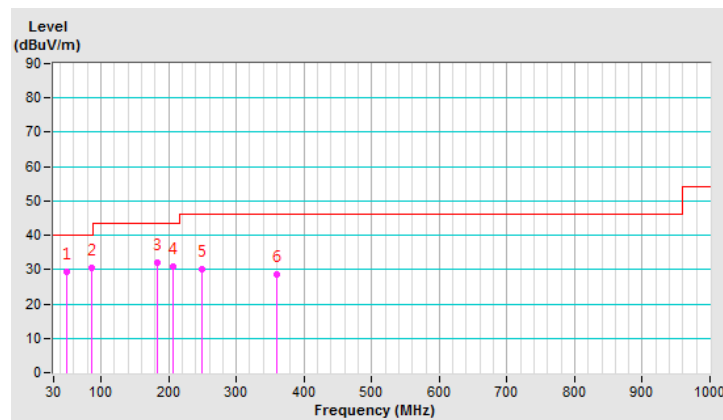
802.11a

操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(QP) RB=120kHz
量測場地溫度：	23°C	量測場地濕度：	68%RH
測試日期：	107 年 12 月 18 日	測試者：	莊承舜

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	49.83	29.5 QP	40.0	-10.5	1.00 H	243	38.4	-8.9
2	85.44	30.4 QP	40.0	-9.6	1.50 H	343	44.3	-13.9
3	183.68	32.1 QP	43.5	-11.4	1.50 H	217	42.0	-9.9
4	206.57	30.9 QP	43.5	-12.6	1.00 H	109	41.5	-10.6
5	250.06	30.0 QP	46.0	-16.0	1.00 H	326	38.9	-8.9
6	358.98	28.5 QP	46.0	-17.5	1.50 H	33	34.3	-5.8

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(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.



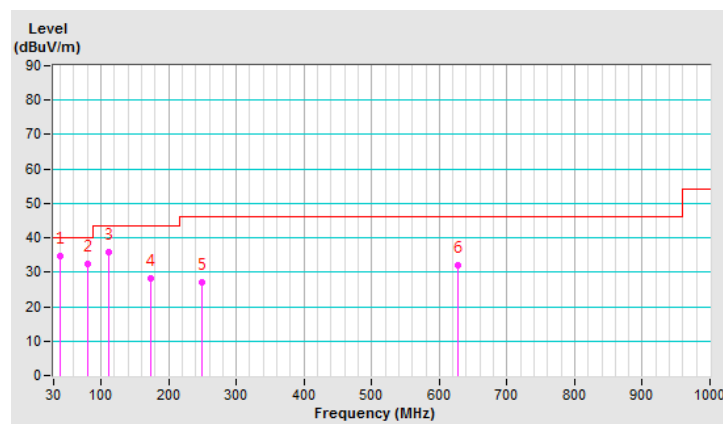
操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(QP) RB=120kHz
量測場地溫度：	23°C	量測場地濕度：	68%RH
測試日期：	107 年 12 月 18 日	測試者：	莊承舜

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	39.97	34.7 QP	40.0	-5.3	1.00 V	218	44.3	-9.6
2	79.56	32.3 QP	40.0	-7.7	1.00 V	134	45.8	-13.5
3	111.56	35.9 QP	43.5	-7.6	1.00 V	358	46.8	-10.9
4	173.32	28.2 QP	43.5	-15.3	1.50 V	290	37.4	-9.2
5	250.02	26.9 QP	46.0	-19.1	2.00 V	307	35.8	-8.9
6	627.28	32.1 QP	46.0	-13.9	1.00 V	317	31.4	0.7

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(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.


9.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

9.8 輻射量測之配置照片

請參照 Test Setup Photos

10 電源線傳導干擾之量測

10.1 適用標準

請見本報告 3.1 節第 1 項的規定。

10.2 量測方法

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

10.3 量測儀器

同 5.3 節

10.4 測試配置

同 5.4 節

10.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

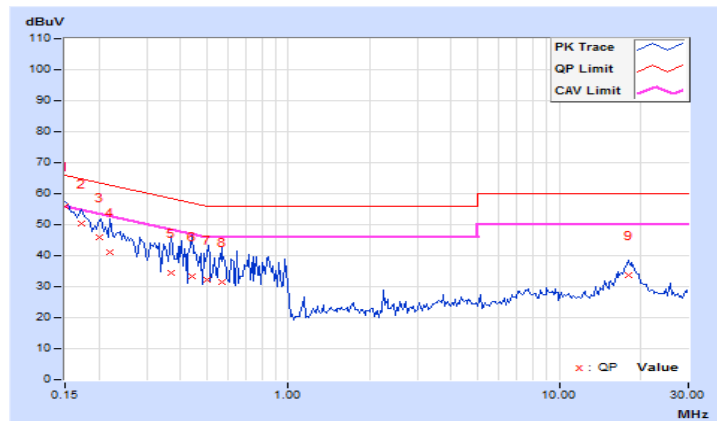
10.6 量測結果

操作模式	發射	測試日期	107 年 12 月 20 日
基本波頻率	Ch 157: 5785MHz	量測場地溫度	24°C
調變技術	OFDM	量測場地濕度	72%RH
測試者	何欣儒		

		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	10.03	45.79	32.22	55.82	42.25	66.00	56.00	-10.18	-13.75
0.17344	10.04	40.15	27.57	50.19	37.61	64.79	54.79	-14.60	-17.18
0.20078	10.05	35.90	24.61	45.95	34.66	63.58	53.58	-17.63	-18.92
0.22031	10.05	31.07	16.30	41.12	26.35	62.81	52.81	-21.69	-26.46
0.36875	10.08	24.20	9.30	34.28	19.38	58.53	48.53	-24.25	-29.15
0.43906	10.08	23.12	10.22	33.20	20.30	57.08	47.08	-23.88	-26.78
0.50000	10.09	22.31	11.82	32.40	21.91	56.00	46.00	-23.60	-24.09
0.56797	10.09	21.23	7.16	31.32	17.25	56.00	46.00	-24.68	-28.75
17.93750	11.22	22.56	15.12	33.78	26.34	60.00	50.00	-26.22	-23.66

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.

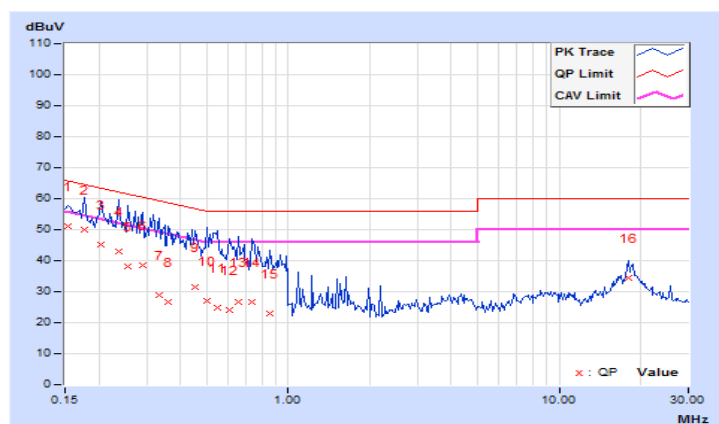


操作模式	發射	測試日期	107 年 12 月 20 日
基本波頻率	Ch 157: 5785MHz	量測場地溫度	24°C
調變技術	OFDM	量測場地濕度	72%RH
測試者	何欣儒		

		6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15391	9.94	41.26	27.38	51.20	37.32	65.79	55.79	-14.59	-18.47
0.17734	9.95	40.07	26.48	50.02	36.43	64.61	54.61	-14.59	-18.18
0.20469	9.95	35.32	23.07	45.27	33.02	63.42	53.42	-18.15	-20.40
0.23594	9.96	32.96	21.52	42.92	31.48	62.24	52.24	-19.32	-20.76
0.25547	9.96	28.34	14.20	38.30	24.16	61.58	51.58	-23.28	-27.42
0.29063	9.96	28.59	19.27	38.55	29.23	60.51	50.51	-21.96	-21.28
0.33359	9.97	18.93	2.32	28.90	12.29	59.36	49.36	-30.46	-37.07
0.36094	9.97	16.80	3.43	26.77	13.40	58.71	48.71	-31.94	-35.31
0.45469	9.98	21.45	5.70	31.43	15.68	56.79	46.79	-25.36	-31.11
0.50156	9.98	17.14	8.39	27.12	18.37	56.00	46.00	-28.88	-27.63
0.54844	9.98	14.68	6.87	24.66	16.85	56.00	46.00	-31.34	-29.15
0.60313	9.99	13.96	3.20	23.95	13.19	56.00	46.00	-32.05	-32.81
0.65391	9.99	16.51	0.41	26.50	10.40	56.00	46.00	-29.50	-35.60
0.73594	9.99	16.74	7.69	26.73	17.68	56.00	46.00	-29.27	-28.32
0.85703	10.00	13.13	5.93	23.13	15.93	56.00	46.00	-32.87	-30.07
18.03516	11.02	23.39	16.28	34.41	27.30	60.00	50.00	-25.59	-22.70

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.



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。

11.3 量測儀器

峰值傳導輸出功率量測儀器:同 7.3 節

11.4 測試配置

峰值傳導輸出功率測試配置:同 7.4 節

11.5 峰值傳導輸出功率之量測結果

操作模式	發射	測試日期	106 年 03 月 15 日
量測場地溫度	24°C	量測場地濕度	63%RH
測試者	陳高逸		

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	19.05	18.87	18.82	19.48	322.367	25.08	30.00	Pass
40	5200	19.03	18.90	18.89	19.40	322.15	25.08	30.00	Pass
48	5240	18.99	18.70	18.95	19.16	314.319	24.97	30.00	Pass
149	5745	22.94	21.96	22.27	20.31	629.879	27.99	30.00	Pass
157	5785	23.13	22.16	22.54	20.25	655.424	28.17	30.00	Pass
165	5825	22.31	22.23	22.68	20.93	646.558	28.11	30.00	Pass

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	17.36	17.25	17.48	18.05	227.34	23.57	30.00	Pass
40	5200	18.19	18.11	18.47	18.90	278.563	24.45	30.00	Pass
48	5240	18.22	18.06	18.40	18.60	271.974	24.35	30.00	Pass
149	5745	22.52	21.54	21.84	19.90	571.691	27.57	30.00	Pass
157	5785	22.91	22.10	22.35	20.35	637.799	28.05	30.00	Pass
165	5825	22.33	22.23	22.75	20.97	651.502	28.14	30.00	Pass

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.45	16.19	16.71	17.30	186.332	22.70	30.00	Pass
46	5230	18.76	18.37	19.10	19.45	313.257	24.96	30.00	Pass
151	5755	21.82	21.01	21.36	19.31	500.321	26.99	30.00	Pass
159	5795	21.96	21.11	21.69	19.58	524.511	27.20	30.00	Pass

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	12.63	12.37	12.80	13.13	75.195	18.76	30.00	Pass
155	5775	18.42	17.78	17.54	16.63	232.261	23.66	30.00	Pass

802.11ac (VHT80+80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42 +155	5210	17.70	17.44	-	-	114.347	20.58	30.00	Pass
	5775	-	-	17.81	17.41	115.476	20.62	30.00	Pass

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	17.36	17.25	17.48	18.05	227.34	23.57	25.1	Pass
40	5200	18.19	18.11	18.47	18.90	278.563	24.45	25.1	Pass
48	5240	18.22	18.06	18.40	18.60	271.974	24.35	25.1	Pass
149	5745	19.62	18.64	18.92	16.86	291.248	24.64	25.1	Pass
157	5785	19.64	18.72	18.92	16.92	293.705	24.68	25.1	Pass
165	5825	19.09	19.27	19.42	17.55	310.007	24.91	25.1	Pass

NOTE: The directional gain = 10.9dBi > 6dBi, so the power limit shall be reduced to $30-(10.9-6) = 25.1$ dBm.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.45	16.19	16.71	17.30	186.332	22.70	25.1	Pass
46	5230	18.76	18.37	19.10	19.45	313.257	24.96	25.1	Pass
151	5755	19.66	18.95	19.25	17.32	309.085	24.90	25.1	Pass
159	5795	18.26	17.37	17.64	16.49	224.206	23.51	25.1	Pass

NOTE: The directional gain = 10.9dBi > 6dBi, so the power limit shall be reduced to $30-(10.9-6) = 25.1$ dBm.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	12.63	12.37	12.80	13.13	75.195	18.76	25.1	Pass
155	5775	18.42	17.78	17.54	16.63	232.261	23.66	25.1	Pass

NOTE: The directional gain = 10.9dBi > 6dBi, so the power limit shall be reduced to $30-(10.9-6) = 25.1$ dBm.

802.11ac (VHT80+80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42+155	5210	17.70	17.44	-	-	114.347	20.58	27.99	Pass
	5775	-	-	17.81	17.41	115.476	20.62	27.99	Pass

NOTE: Directional gain = 5dBi + $10\log(2) = 8.01$ dBi > 6dBi, so the power limit shall be reduced to $30-(8.01-6) = 27.99$ dBm.

11.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

12 功率頻譜密度之量測

12.1 適用標準

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

12.2 量測方法

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

For U-NII-1:

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

For U-NII-3:

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

12.3 量測功率頻譜密度之儀器

同 9.3 節。

12.4 功率頻譜密度之測試配置

同 9.4 節

12.5 功率頻譜密度之量測結果

操作模式	發射	測試日期	106 年 03 月 15 日
量測場地溫度	24°C	量測場地濕度	63%RH
測試者	陳高逸		

For U-NII-1:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	5.94	6.05	5.82	6.43	12.09	12.10	Pass
40	5200	5.73	6.01	5.89	6.45	12.05	12.10	Pass
48	5240	5.95	5.93	6.01	6.17	12.04	12.10	Pass

- Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $17-(10.9-6) = 12.10\text{dBm}$.

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
36	5180	4.25	4.14	5.07	5.35	10.75	12.10	Pass
40	5200	5.28	5.25	5.28	5.41	11.33	12.10	Pass
48	5240	5.21	4.91	5.36	5.65	11.31	12.10	Pass

- Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $17-(10.9-6) = 12.10\text{dBm}$.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
38	5190	0.66	0.25	0.75	1.79	6.92	12.10	Pass
46	5230	2.43	2.44	3.09	3.65	8.95	12.10	Pass

- Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $17-(10.9-6) = 12.10\text{dBm}$.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
42	5210	-6.68	-7.04	-6.79	-6.16	-0.63	12.10	Pass

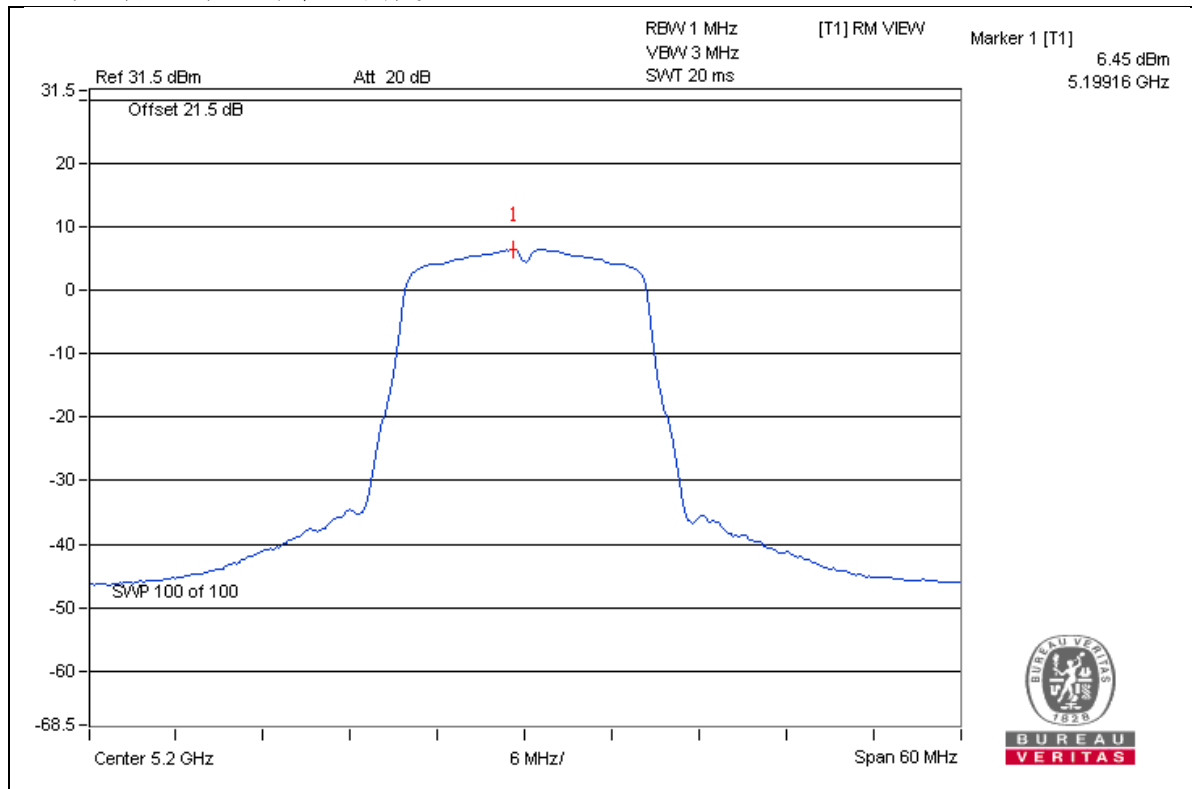
- Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $17-(10.9-6) = 12.10\text{dBm}$.

802.11ac (VHT80+80)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)				Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3			
42+155	5210	-1.67	-1.74	-	-	1.31	14.99	Pass
	5775	Test results refer to U_NII-3 data						

- Note:** 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = 5dBi + $10\log(2) = 8.01\text{dBi}$ > 6dBi, so the power density limit shall be reduced to $17-(8.01-6) = 14.99\text{dBm}$.

**此測試圖僅放測試結果最差的頻道。



For U-NII-3:
802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	1.83	4.05	6.02	10.07	25.10	Pass
	157	5785	2.34	4.56	6.02	10.58	25.10	Pass
	165	5825	0.96	3.18	6.02	9.20	25.10	Pass
1	149	5745	0.93	3.15	6.02	9.17	25.10	Pass
	157	5785	1.37	3.59	6.02	9.61	25.10	Pass
	165	5825	1.19	3.41	6.02	9.43	25.10	Pass
2	149	5745	0.48	2.70	6.02	8.72	25.10	Pass
	157	5785	1.79	4.01	6.02	10.03	25.10	Pass
	165	5825	2.45	4.67	6.02	10.69	25.10	Pass
3	149	5745	-0.56	1.66	6.02	7.68	25.10	Pass
	157	5785	-0.81	1.41	6.02	7.43	25.10	Pass
	165	5825	-0.32	1.90	6.02	7.92	25.10	Pass

Note: 1. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $30-(10.9-6) = 25.10\text{dBm}$.

802.11ac (VHT20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	1.41	3.63	6.02	9.65	25.10	Pass
	157	5785	1.96	4.18	6.02	10.20	25.10	Pass
	165	5825	1.23	3.45	6.02	9.47	25.10	Pass
1	149	5745	0.09	2.31	6.02	8.33	25.10	Pass
	157	5785	0.82	3.04	6.02	9.06	25.10	Pass
	165	5825	0.74	2.96	6.02	8.98	25.10	Pass
2	149	5745	0.50	2.72	6.02	8.74	25.10	Pass
	157	5785	0.70	2.92	6.02	8.94	25.10	Pass
	165	5825	0.75	2.97	6.02	8.99	25.10	Pass
3	149	5745	-1.86	0.36	6.02	6.38	25.10	Pass
	157	5785	-0.73	1.49	6.02	7.51	25.10	Pass
	165	5825	0.03	2.25	6.02	8.27	25.10	Pass

Note: 1. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $30-(10.9-6) = 25.10\text{dBm}$.

802.11ac (VHT40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	151	5755	-3.03	-0.81	6.02	5.21	25.10	Pass
	159	5795	-2.58	-0.36	6.02	5.66	25.10	Pass
1	151	5755	-3.66	-1.44	6.02	4.58	25.10	Pass
	159	5795	-3.55	-1.33	6.02	4.69	25.10	Pass
2	151	5755	-3.24	-1.02	6.02	5.00	25.10	Pass
	159	5795	-3.17	-0.95	6.02	5.07	25.10	Pass
3	151	5755	-5.05	-2.83	6.02	3.19	25.10	Pass
	159	5795	-5.34	-3.12	6.02	2.90	25.10	Pass

Note: 1. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $30-(10.9-6) = 25.10\text{dBm}$.

802.11ac (VHT80)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	155	5775	-9.88	-7.66	6.02	-1.64	25.10	Pass
1	155	5775	-10.32	-8.10	6.02	-2.08	25.10	Pass
2	155	5775	-10.83	-8.61	6.02	-2.59	25.10	Pass
3	155	5775	-11.48	-9.26	6.02	-3.24	25.10	Pass

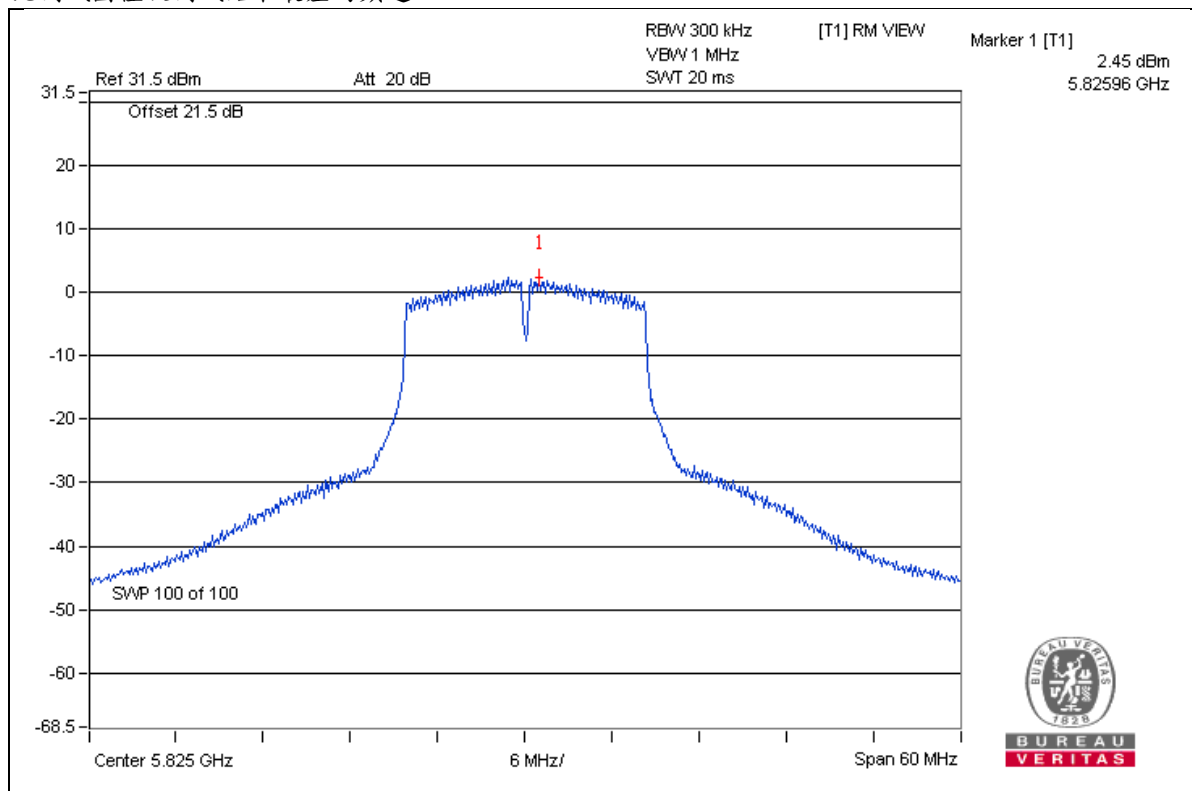
Note: 1. The directional gain = 10.9dBi > 6dBi, so the power density limit shall be reduced to $30-(10.9-6) = 25.10\text{dBm}$.

802.11ac (VHT80+80)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	42	5210	Test results refer to U-NII-1 data					
1	42	5210	Test results refer to U-NII-1 data					
2	155	5775	-10.38	-8.16	3.01	-5.15	27.99	Pass
3	155	5775	-10.39	-8.17	3.01	-5.16	27.99	Pass

Note: 1. Directional gain = 5dBi + $10\log(2) = 8.01\text{dBi}$ > 6dBi, so the power density limit shall be reduced to $30-(8.01-6) = 27.99\text{dBm}$.

**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

同 6.2 節。

13.3 量測儀器

同 6.3 節。

13.4 測試配置

同 6.4 節。

13.5 量測結果

操作模式	發射	測試日期	106 年 03 月 15 日
量測場地溫度	24°C	量測場地濕度	63%RH
測試者	陳高逸		

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	16.41	16.40	16.41	16.39	0.5	Pass
157	5785	16.44	16.41	16.42	16.42	0.5	Pass
165	5825	16.43	16.38	16.43	16.42	0.5	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	17.69	17.66	17.68	17.68	0.5	Pass
157	5785	17.68	17.66	17.64	17.65	0.5	Pass
165	5825	17.66	17.64	17.65	17.66	0.5	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
151	5755	36.42	36.43	35.88	36.41	0.5	Pass
159	5795	36.45	36.29	36.46	36.45	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
155	5775	76.56	76.57	76.59	76.59	0.5	Pass

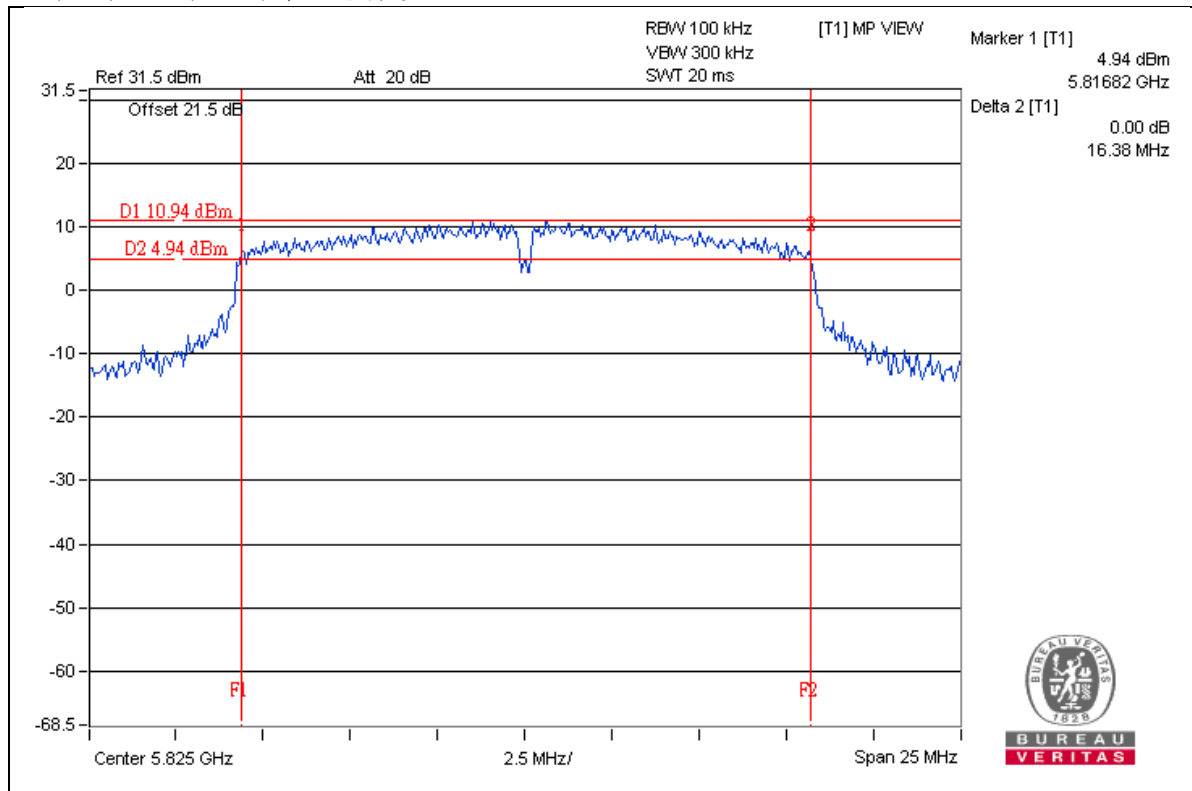
802.11ac (VHT80+80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
42+155	5210	-				-	-
	5775	-	-	76.52	76.61	0.5	Pass

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。

**此測試圖僅放測試結果最差的頻道。



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)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)	Pass/Fail
2412-2462	28.97	788.724	10.06	38	0.44070	1	Pass
5180-5240	25.08	322.367	10.90	38	0.21856	1	Pass
5745-5825	28.17	655.424	10.90	38	0.44437	1	Pass

Note:

2.4GHz: Directional gain = 10.06dBi

5GHz: Directional gain = 10.90dBi

CONCLUSION:

The formula of calculated the MPE is:

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

CPD = Calculation power density

LPD = Limit of power density

WLAN 2.4GHz + WLAN 5GHz = $0.44070 / 1 + 0.44437 / 1 = 0.88507$

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

15 Radiated Out of Band Emission (OOBE) Measurement (For U-NII-3 Band)

802.11a

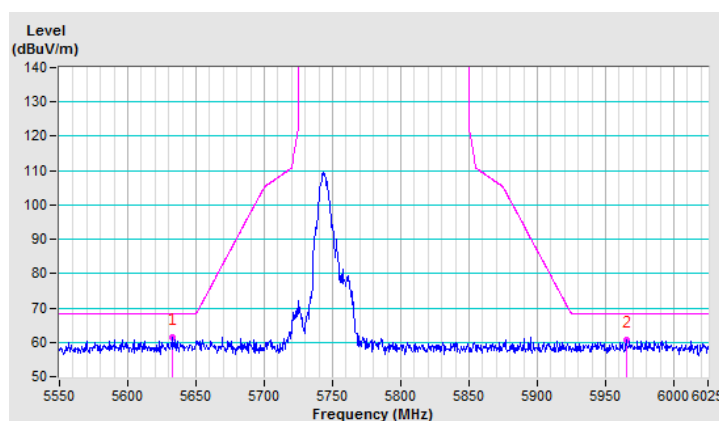
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5632.33	61.3 PK	68.2	-6.9	1.50 H	343	57.5	3.8
2	#5965.36	60.7 PK	68.2	-7.5	1.50 H	343	55.9	4.8

REMARKS:

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



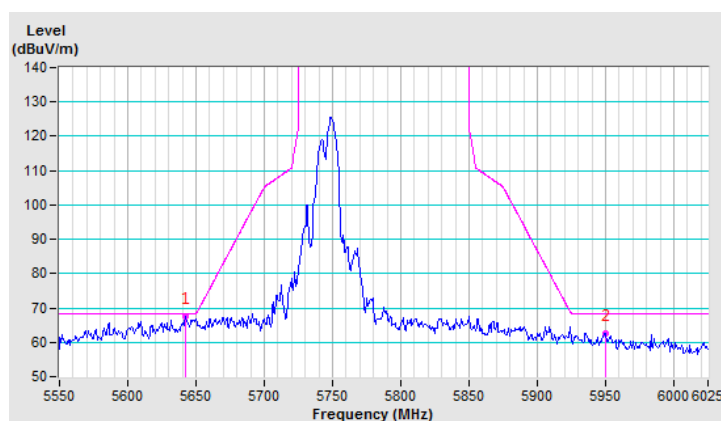
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5642.15	67.5 PK	68.2	-0.7	1.86 V	6	63.6	3.9
2	#5949.95	62.6 PK	68.2	-5.6	1.86 V	6	58.0	4.6

REMARKS:

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



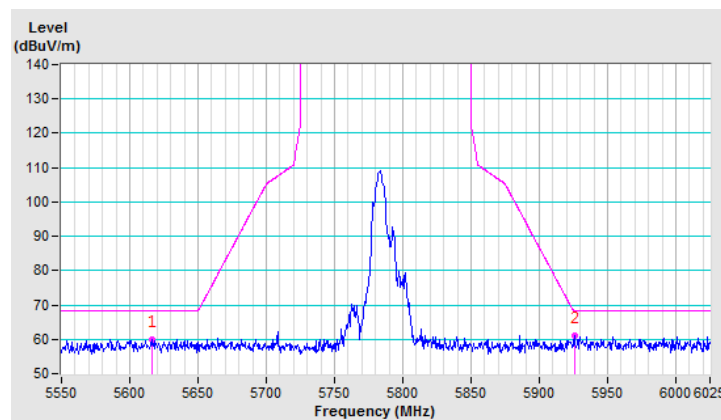
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5616.02	60.0 PK	68.2	-8.2	1.51 H	358	56.2	3.8
2	#5926.00	61.0 PK	68.2	-7.2	1.51 H	358	56.6	4.4

REMARKS:

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



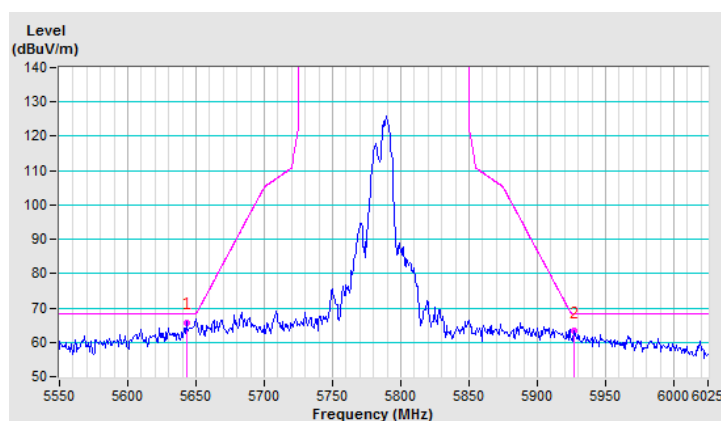
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基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5643.10	65.8 PK	68.2	-2.4	1.81 V	7	61.9	3.9
2	#5927.15	63.4 PK	68.2	-4.8	1.81 V	7	59.0	4.4

REMARKS:

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



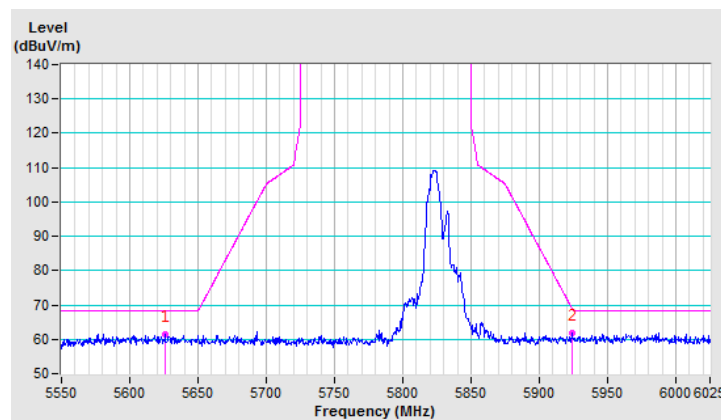
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5625.90	61.4 PK	68.2	-6.8	1.56 H	360	57.6	3.8
2	#5923.66	61.8 PK	69.2	-7.4	1.56 H	360	57.4	4.4

REMARKS:

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



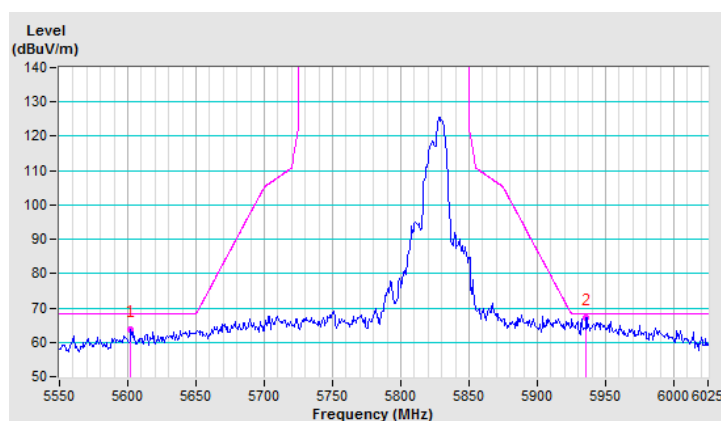
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5602.25	63.6 PK	68.2	-4.6	1.84 V	8	59.9	3.7
2	#5935.70	67.3 PK	68.2	-0.9	1.84 V	8	62.8	4.5

REMARKS:

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



802.11ac (VHT20)

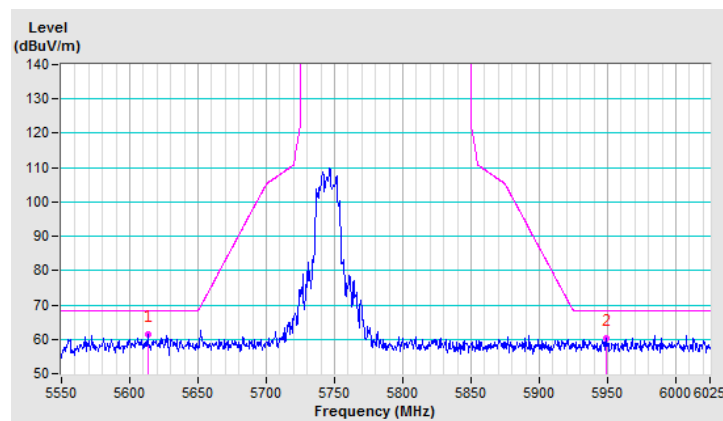
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5613.18	61.4 PK	68.2	-6.8	1.50 H	330	57.6	3.8
2	#5949.07	60.4 PK	68.2	-7.8	1.50 H	330	55.8	4.6

REMARKS:

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



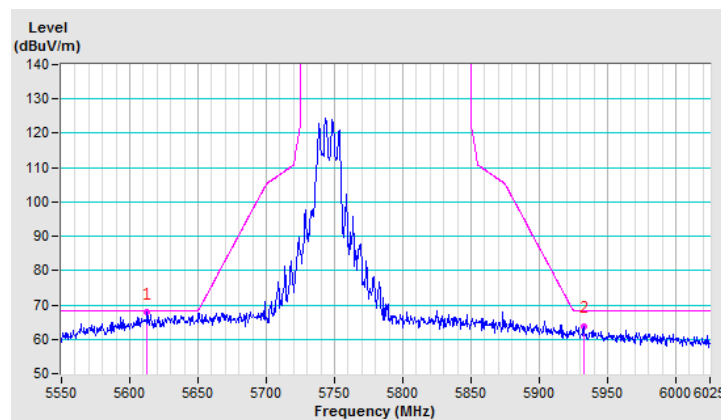
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基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5612.81	67.9 PK	68.2	-0.3	2.08 V	217	64.1	3.8
2	#5932.32	63.9 PK	68.2	-4.3	2.08 V	217	59.4	4.5

REMARKS:

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



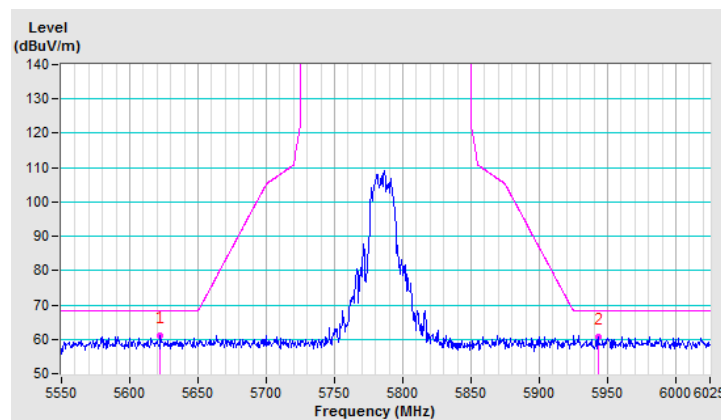
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5622.52	61.2 PK	68.2	-7.0	1.50 H	330	57.4	3.8
2	#5943.13	60.8 PK	68.2	-7.4	1.50 H	330	56.2	4.6

REMARKS:

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



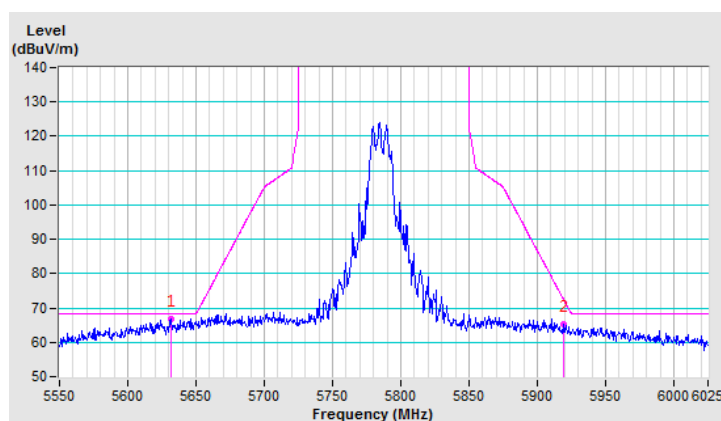
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5631.70	66.8 PK	68.2	-1.4	1.85 V	360	63.0	3.8
2	#5919.43	65.4 PK	72.3	-6.9	1.85 V	360	61.0	4.4

REMARKS:

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



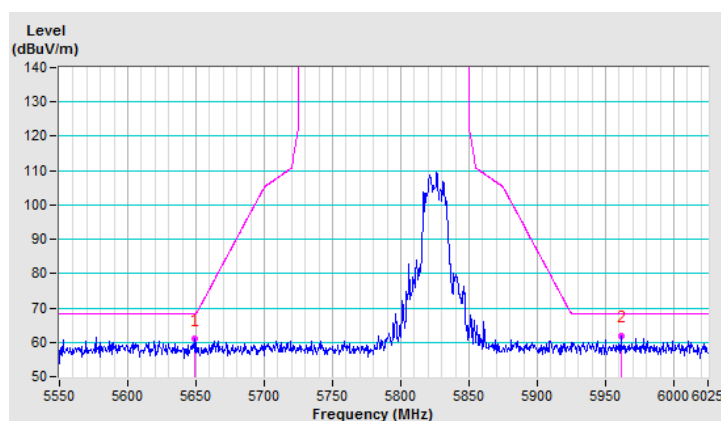
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5649.33	61.0 PK	68.2	-7.2	1.45 H	327	57.1	3.9
2	#5961.26	62.0 PK	68.2	-6.2	1.45 H	327	57.2	4.8

REMARKS:

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



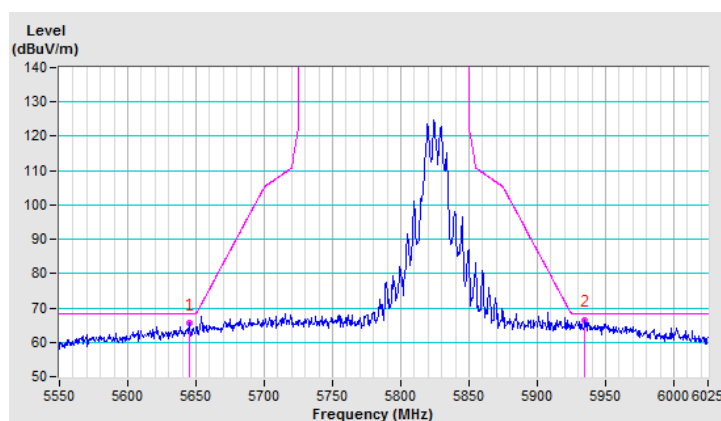
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5644.95	65.7 PK	68.2	-2.5	1.74 V	12	61.8	3.9
2	#5934.38	66.6 PK	68.2	-1.6	1.74 V	12	62.1	4.5

REMARKS:

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



802.11ac (VHT40)

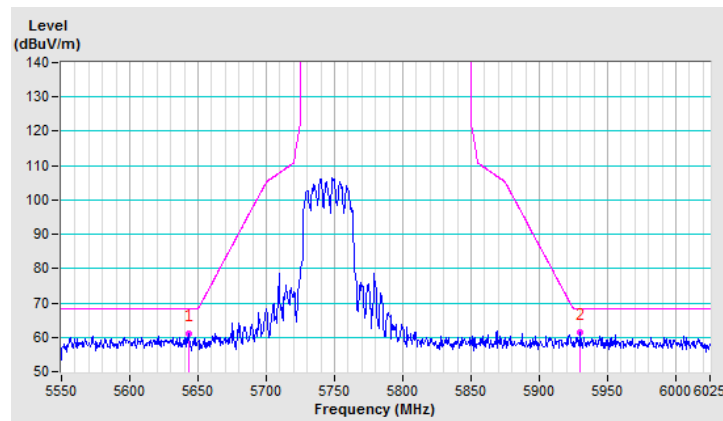
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24℃	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5643.54	61.2 PK	68.2	-7.0	2.19 H	331	57.3	3.9
2	#5930.23	61.4 PK	68.2	-6.8	2.19 H	331	56.9	4.5

REMARKS:

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



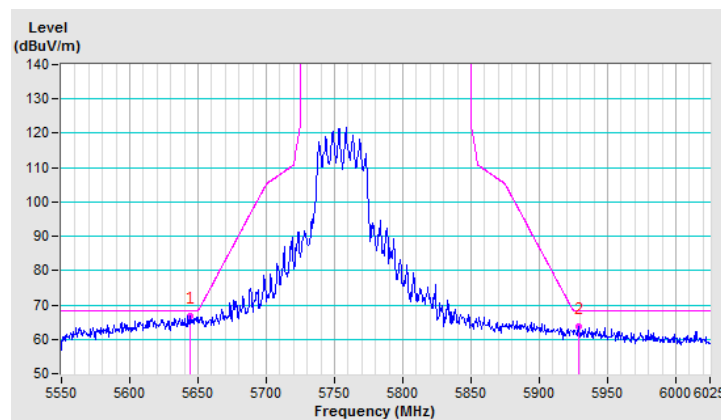
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5644.67	66.9 PK	68.2	-1.3	2.11 V	216	63.0	3.9
2	#5928.99	63.7 PK	68.2	-4.5	2.11 V	216	59.2	4.5

REMARKS:

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



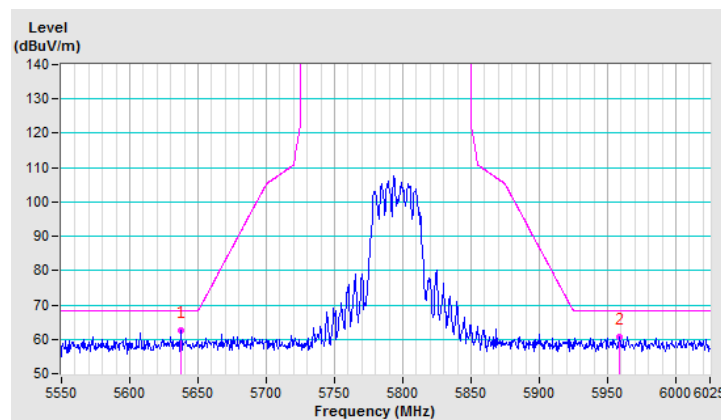
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5637.54	62.6 PK	68.2	-5.6	2.15 H	328	58.8	3.8
2	#5959.11	60.6 PK	68.2	-7.6	2.15 H	328	55.8	4.8

REMARKS:

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



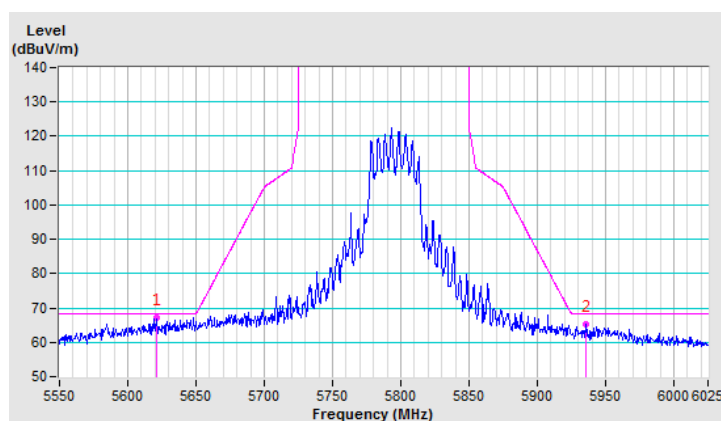
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5621.30	67.0 PK	68.2	-1.2	1.90 V	218	63.2	3.8
2	#5936.02	65.4 PK	68.2	-2.8	1.90 V	218	60.9	4.5

REMARKS:

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



802.11ac (VHT80)

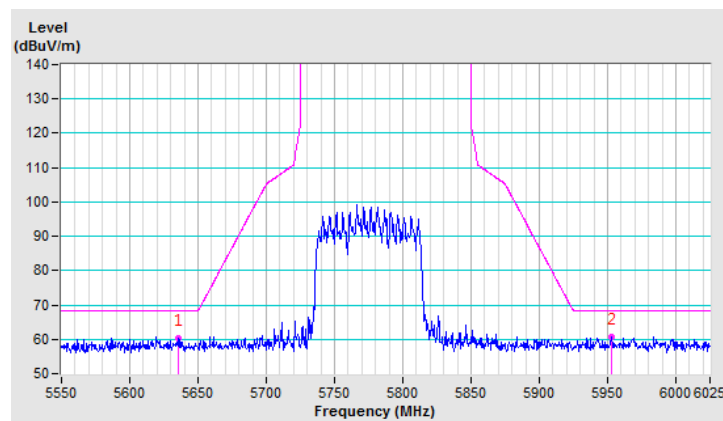
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24℃	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5635.16	60.4 PK	68.2	-7.8	1.50 H	210	56.6	3.8
2	#5953.14	60.7 PK	68.2	-7.5	1.50 H	210	56.1	4.6

REMARKS:

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



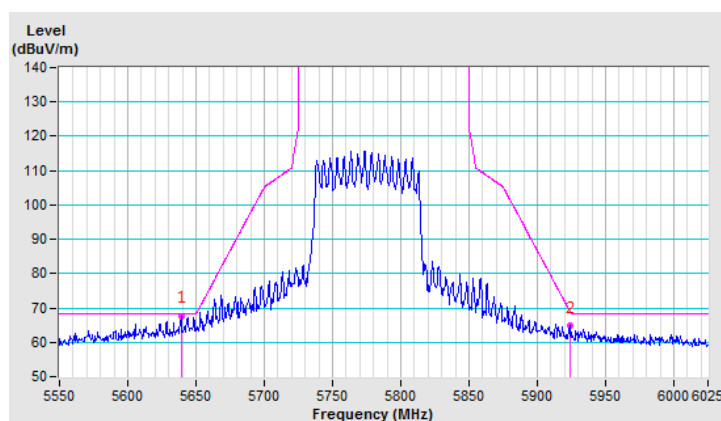
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5639.12	67.7 PK	68.2	-0.5	2.10 V	216	63.9	3.8
2	#5923.85	65.0 PK	69.0	-4.0	2.10 V	216	60.6	4.4

REMARKS:

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



802.11ac (VHT80+80)

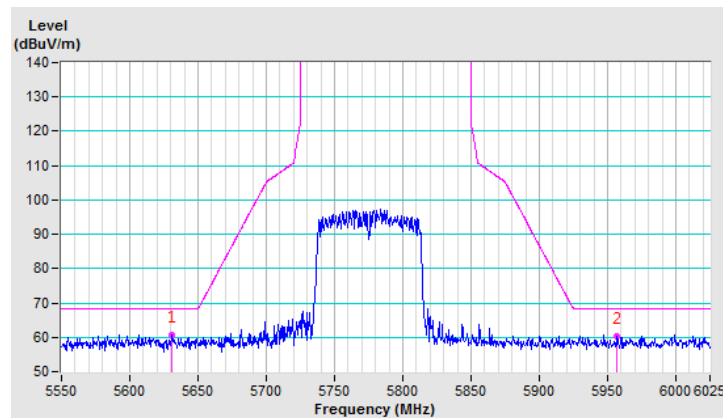
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42+155：5210+5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24°C	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5631.11	60.6 PK	68.2	-7.6	1.96 H	321	56.8	3.8
2	#5956.93	60.4 PK	68.2	-7.8	1.96 H	321	55.6	4.8

REMARKS:

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

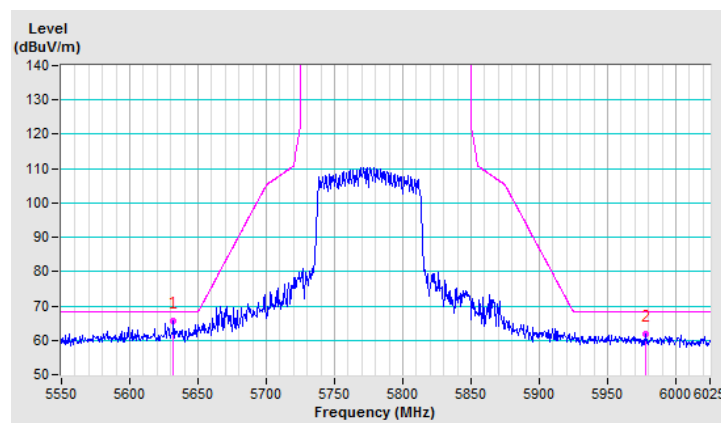


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42+155：5210+5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	24℃	量測場地濕度：	63%RH
測試日期：	106 年 1 月 24 日	測試者：	黃迪祥

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	#5631.78	65.5 PK	68.2	-2.7	1.91 V	21	61.7	3.8
2	#5977.46	61.9 PK	68.2	-6.3	1.91 V	21	56.9	5.0

REMARKS:

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



16 檢測實驗室基本資料

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

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：

Tel: 886-2-26052180

Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：

Tel: 886-3-6668565

Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

您也可以在我们的網站內找到各實驗室的地圖。

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