

低功率射頻電機技術規範測試報告

報告編號:

RT180516E01

申請者

廣東長虹電子有限公司

產品名稱

wifi module

型號

CDW-G47612U-00

製造廠商

廣東長虹電子有限公司

商標或廠牌

長虹/CHANGHONG

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 107 年 6 月 14 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
RT180516E01	Original release.	107 年 6 月 14 日

證 明 書

產 品 名 稱：wifi module
商 標：長虹/CHANGHONG
型 號：CDW-G47612U-00
申 請 者：廣東長虹電子有限公司
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：CDW-G47612U-00)，收件日期 107 年 5 月 16 日，於 107 年 6 月 1 日至 06 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： 黃健琳，日期： 107 年 6 月 14 日
黃健琳 / 專員

審 核 者： 陳瓊美，日期： 107 年 6 月 14 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：廣東長虹電子有限公司

製造廠商：廣東長虹電子有限公司

申請廠商地址：廣東省中山市南頭鎮興業北路1號

廠牌：長虹/CHANGHONG

產品名稱：wifi module

型號：CDW-G47612U-00

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 5.15~5.25GHz頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻電機技術規範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：	wifi module
型號：	CDW-G47612U-00
額定電源：	3.3Vdc from host equipment
調變方式：	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only
調變技術：	DSSS, OFDM
傳輸速率：	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.7Mbps
載波頻率：	2.4GHz: 2.412 ~ 2.462GHz 5GHz: 5.18~ 5.24GHz, 5.745 ~ 5.825GHz
頻道數：	2.4GHz: 802.11b, 802.11g, 802.11n (HT20): 11 802.11n (HT40): 7 5GHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 9 802.11n (HT40), 802.11ac (VHT40): 4 802.11ac (VHT80): 2
發射功率：	2.4GHz: 22.34dBm 5GHz: 5.18GHz ~ 5.24GHz : 12.97dBm 5.745GHz ~ 5.825GHz : 13.43dBm
天線種類：	見註
電源線類別：	見註
信號線類別：	NA
配件：	NA

註：

1. 此待測設備於WLAN的2.4GHz及5GHz技術且不會在同一時間發射。
2. 此待測設備搭配測試的天線，其資料如下：

Ant. No.	Transmitter Circuit	Brand	Ant. Model	Ant. Gain (dBi)	Freq. range (GHz)	Ant. Type	Connector Type
1	Chain (0)	BAIAO	370.G47612L-00	2	2.4~2.4835	PIFA	NA
				3	5.15~5.85		
2	Chain (1)	BAIAO	370.G47612L-00	2	2.4~2.4835	PIFA	NA
				3	5.15~5.85		

3. The EUT incorporates a MIMO function.

2.4GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11b	1 ~ 11Mbps	2TX	2RX
802.11g	6 ~ 54Mbps	2TX	2RX
802.11n (HT20)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
802.11n (HT40)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
5GHz Band			
MODULATION MODE	DATA RATE (MCS)	TX & RX CONFIGURATION	
802.11a	6 ~ 54Mbps	2TX	2RX
802.11n (HT20)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
802.11n (HT40)	MCS 0~7	2TX	2RX
	MCS 8~15	2TX	2RX
802.11ac (VHT20)	MCS0~8 Nss=1	2TX	2RX
	MCS0~8 Nss=2	2TX	2RX
802.11ac (VHT40)	MCS0~9 Nss=1	2TX	2RX
	MCS0~9 Nss=2	2TX	2RX
802.11ac (VHT80)	MCS0~9 Nss=1	2TX	2RX
	MCS0~9 Nss=2	2TX	2RX

Note: 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.

4. 此待測設備之天線於輻射場強量測項目,以下列模式進行評估:

Pre-test 模式	描述
A	PIFA antenna (X-plane)
B	PIFA antenna (Y-plane)
C	PIFA antenna (Z-plane)

註：於場強輻射以**模式 B** 具較大干擾值，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
2.412 ~ 2.462GHz		
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	802.11g: Ch 1	Ch 1
5.180 ~ 5.240GHz		
1GHz 以上量測	802.11a: Ch 36, 40, 48 802.11n (HT20): Ch 36, 40, 48 802.11n (HT40): Ch 38, 46 802.11ac (VHT80): Ch 42	Ch 36, 40, 48
5.745 ~ 5.825GHz		
1GHz 以上量測	802.11a: Ch 149, 157, 165 802.11n (HT20): Ch 149, 157, 165 802.11n (HT40): Ch 151, 159 802.11ac (VHT80): Ch 155	Ch 149, 157, 165
其它不必要之訊號	802.11a: Ch 165	Ch 165
*電源線傳導干擾量測經過評估後，2.412 ~ 2.462GHz以802.11g: Ch1測試模式進行最終量測，5.180 ~ 5.240GHz, 5.745 ~ 5.825GHz 以802.11a: Ch 165測試模式進行最終量測。		

6. Duty cycle of test signal

2.4GHz频段

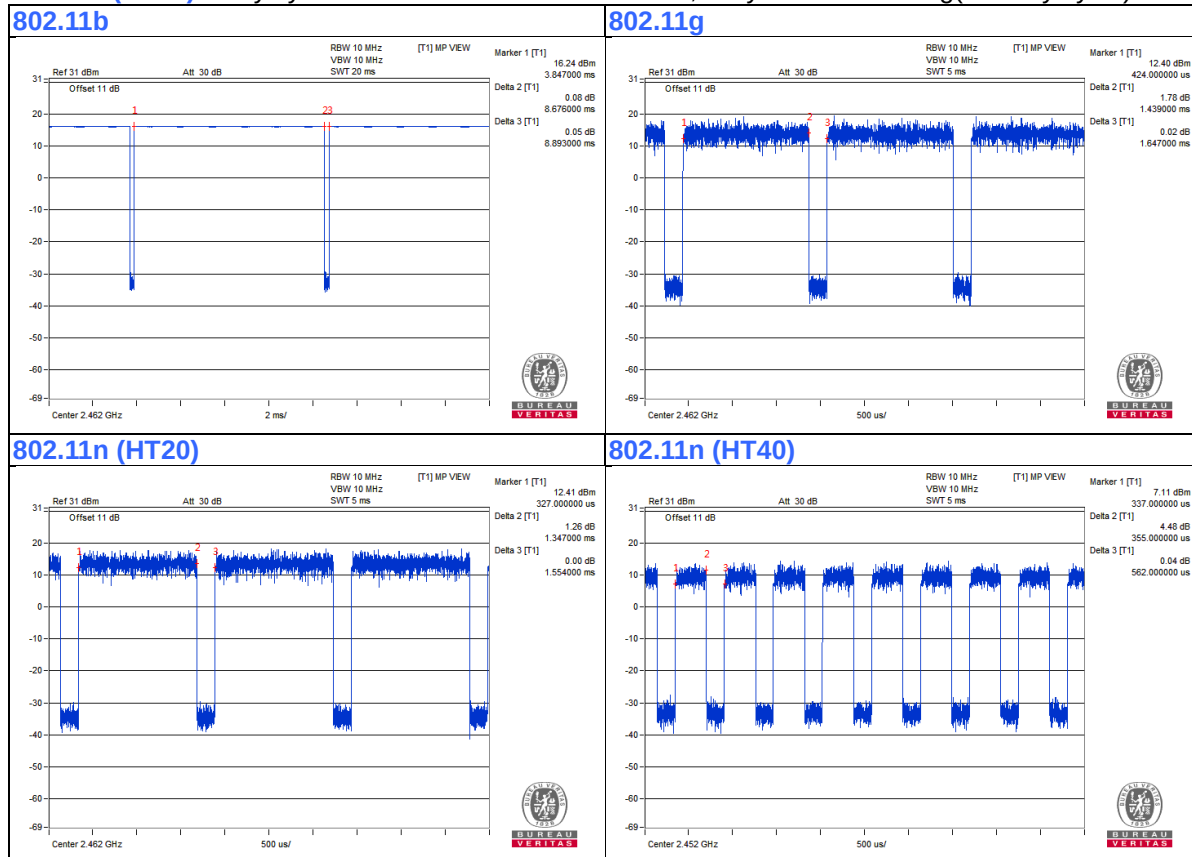
Duty cycle of test signal is < 98%, duty factor shall be considered.

802.11b: Duty cycle = 8.676 ms/8.893 ms = 0.976, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 0.1$

802.11g: Duty cycle = 1.439 ms/1.647 ms = 0.874, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 0.6$

802.11n (HT20): Duty cycle = 1.347 ms/1.554 ms = 0.867, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 0.6$

802.11n (HT40): Duty cycle = 0.355 ms/0.562 ms = 0.632, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 2$



5GHz 频段

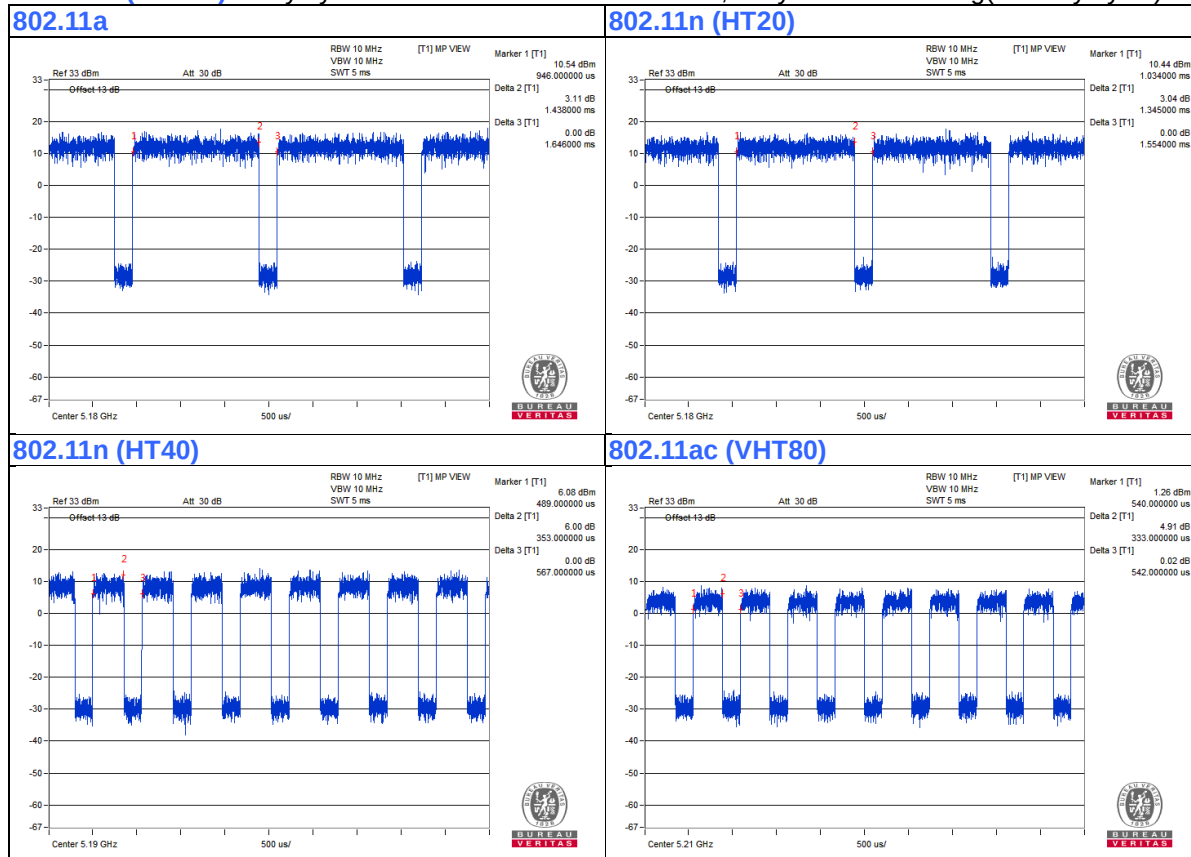
Duty cycle of test signal is < 98%, duty factor shall be considered.

802.11a: Duty cycle = 1.438 ms/1.646 ms = 0.874, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 0.59$

802.11n (HT20): Duty cycle = 1.345 ms/1.554 ms = 0.866, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 0.63$

802.11n (HT40): Duty cycle = 0.353 ms/0.567 ms = 0.623, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 2.06$

802.11ac (VHT80): Duty cycle = 0.333 ms/0.542 ms = 0.614, Duty factor = $10 * \log(1 / \text{Duty cycle}) = 2.12$



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

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

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

802.11n (HT40):

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

5GHz 頻段:

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

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

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

詳細之規格請參考使用說明書，產品的照片請參照 BV 報告編號: 180516E01。

2.2 輔助測試之週邊設備描述

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

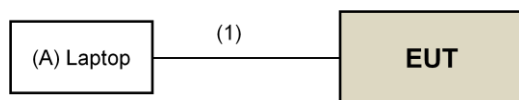
No.	Product	Brand	Model No.	Serial No.	FCC ID	Remark
A	Laptop	DELL	E6420	482T3R1	FCC DoC	Provided by Lab

NOTE:

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

No.	Cable	Qty.	Length (m)	Shielded (Yes/ No)	Cores (Number)	Remark
1	USB	1	1.4	Yes	0	Provided by client (for RF Setup)

2.3 測試架構圖



3 適用規範

3.1 規範要求

(1) 傳導之規定

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

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

(註)：隨頻率之對數遞減。

(2) 帶外發射之規定

(I) 操作於 2.4000~2.4835 GHz band:

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

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

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

(III) 操作於 5.725 GHz~5.850 GHz 頻段：

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

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

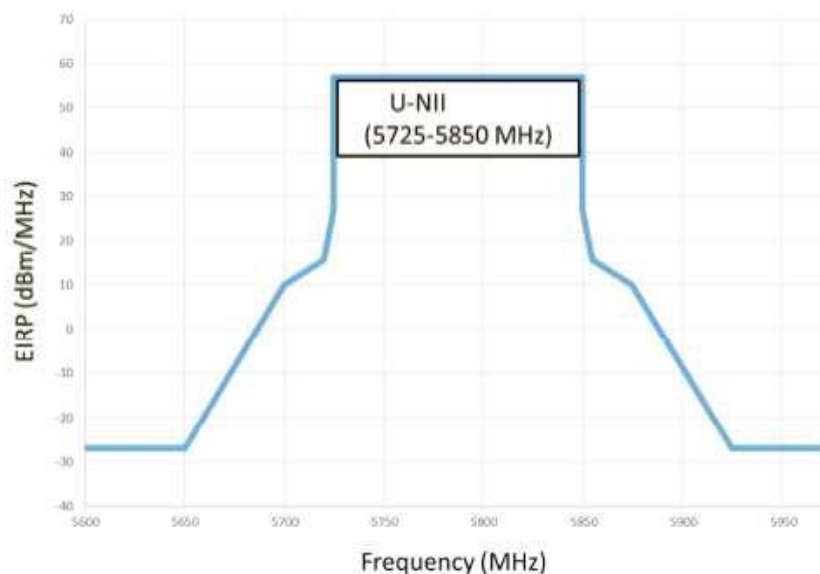


圖 1

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

規定。

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

(3)天線之規定

天線規格不受第 2.2 節規定之限制。

(4)天線增益之要求

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

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

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

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

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

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

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

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

(IV) 操作於 5.725 GHz~5.850 GHz 頻段：

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

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

(5) 6dB 頻寬之要求

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

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

(II) 操作於 5.725 GHz~5.850 GHz 頻段：

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

(6) 峰值傳導輸出功率之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.2 節之規定：

數位調變技術系統：1 W(含)以下。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.1 節之要求：

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

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

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

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

(IV) 操作於 5.725 GHz~5.850 GHz 頻段：

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

(7)功率頻譜密度之要求

(I) 操作於 2.4000~2.4835 GHz band:

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

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.1 節之要求：

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

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

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

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

(IV) 操作於5.725 GHz~5.850 GHz頻段：

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

(8)發射功率控制(TPC)及動態頻率選擇(DFS)之要求

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

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

動態頻率選擇(DFS)：操作於5.25 GHz~5.35 GHz與5.470 GHz~5.725 GHz頻段之設備應具備動態頻率

選擇雷達偵測功能並啟動之，以完整偵測使用頻帶內之雷達訊號，避免與雷達系統同頻道操作。相關規定如下：

(1) 最低動態頻率選擇的偵測門檻

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

(2) 操作模式：動態頻率選擇之規定適用於以下之操作模式：

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

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

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

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

(9)無線資訊傳輸設備必須擁有安全功能之要求：

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

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

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

(12)電波暴露量之評估

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

限制值如下：

(1) 職業性/可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

(2) 一般人/不可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

3.2 限制使用之頻帶

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

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

2.4 GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告 3.1 節第(2)項(I)的規定。

4.2 量測方法

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

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

4.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Agilent	N9038A	MY50010156	July 12, 2017	July 11, 2018
Pre-Amplifier EMCI	EMC001340	980142	Feb. 09, 2018	Feb. 08, 2019
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001 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. 29, 2017	Nov. 28, 2018
RF Cable	8D	966-3-1 966-3-2 966-3-3	Mar. 20, 2018	Mar. 19, 2019
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Oct. 03, 2017	Oct. 02, 2018
Horn Antenna SCHWARZBECK	BBHA9120-D	9120D-406	Dec. 12, 2017	Dec. 11, 2018
Pre-Amplifier EMCI	EMC12630SE	980384	Jan. 29, 2018	Jan. 28, 2019
RF Cable	EMC104-SM-SM-1200 EMC104-SM-SM-2000 EMC104-SM-SM-5000	160922 150317 150322	Jan. 29, 2018	Jan. 28, 2019
Spectrum Analyzer Keysight	N9030A	MY54490679	July 25, 2017	July 24, 2018
Pre-Amplifier EMCI	EMC184045SE	980386	Jan. 29, 2018	Jan. 28, 2019
Horn Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 14, 2017	Dec. 13, 2018
RF Cable	EMC102-KM-KM-1200	160924	Jan. 29, 2018	Jan. 28, 2019
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

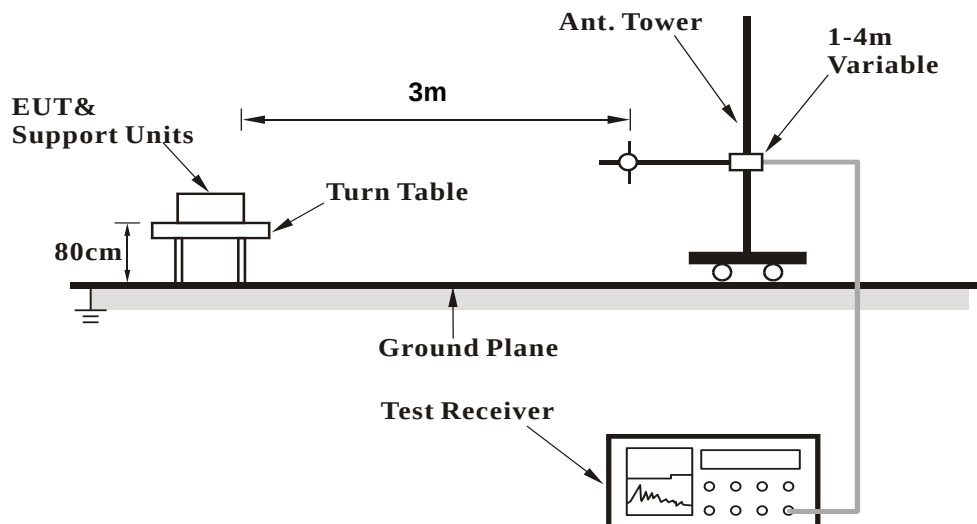
Note:

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 calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 3.
4. The CANADA Site Registration No. is 20331-1
5. Loop antenna was used for all emissions below 30 MHz.
7. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

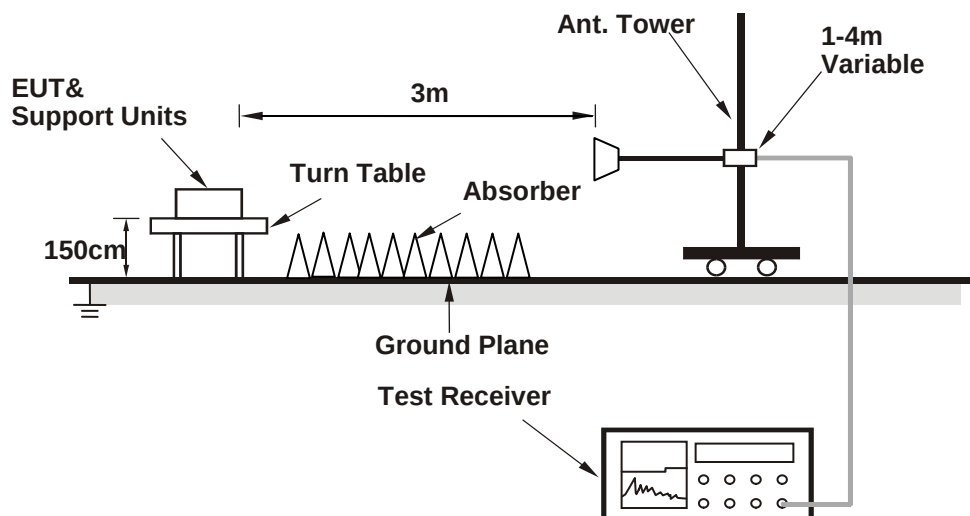
Measurement	Frequency	Uncertainty
Radiated emissions	30MHz ~ 1GHz	5.53dB
	1GHz ~ 6GHz	5.08dB
	6GHz ~ 18GHz	4.98dB
	18GHz ~ 40GHz	5.19dB

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

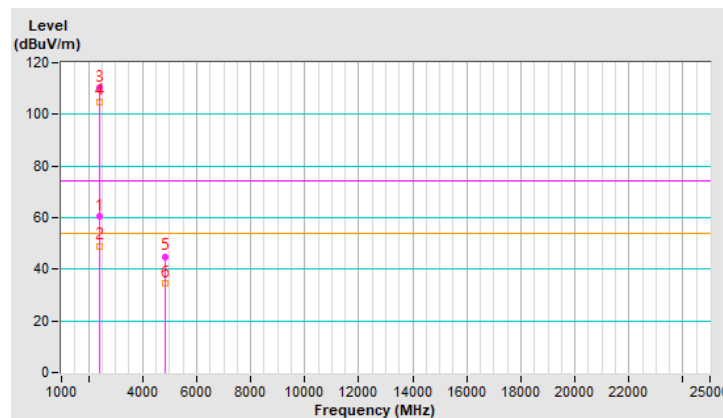
802.11b

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=300Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	60.3 PK	74.0	-13.7	2.65 H	132	62.5	-2.2
2	2390.00	48.7 AV	54.0	-5.3	2.65 H	132	50.9	-2.2
3	*2412.00	110.1 PK			2.65 H	132	112.4	-2.3
4	*2412.00	104.7 AV			2.65 H	132	107.0	-2.3
5	4824.00	44.8 PK	74.0	-29.2	1.00 H	241	42.7	2.1
6	4824.00	34.4 AV	54.0	-19.6	1.00 H	241	32.3	2.1
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

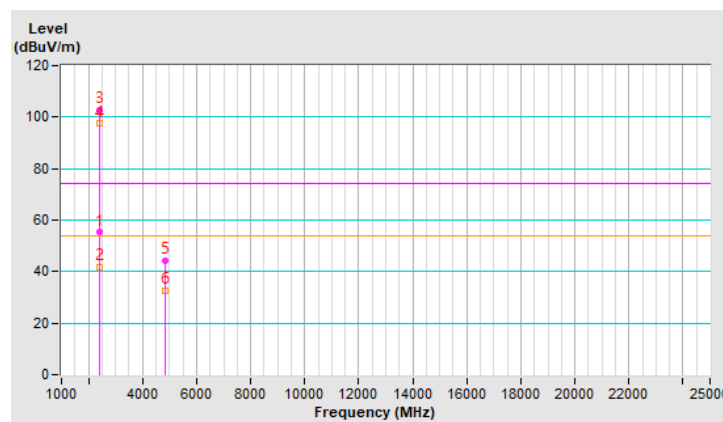


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=300Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	55.2 PK	74.0	-18.8	1.45 V	325	57.4	-2.2
2	2390.00	41.8 AV	54.0	-12.2	1.45 V	325	44.0	-2.2
3	*2412.00	102.8 PK			1.45 V	325	105.1	-2.3
4	*2412.00	97.4 AV			1.45 V	325	99.7	-2.3
5	4824.00	44.4 PK	74.0	-29.6	2.19 V	213	42.3	2.1
6	4824.00	32.4 AV	54.0	-21.6	2.19 V	213	30.3	2.1
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

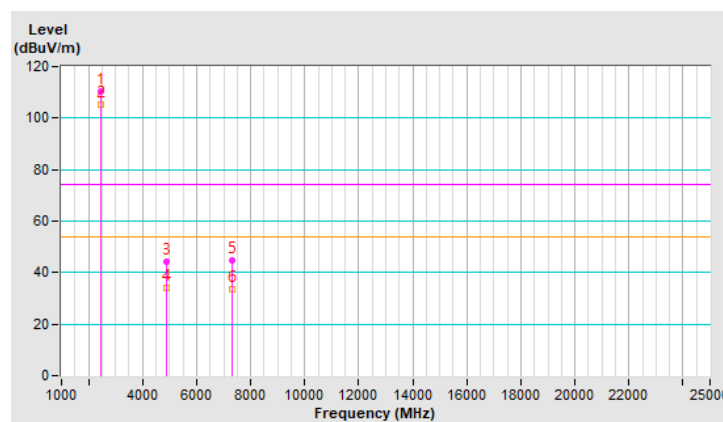


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=300Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	110.4 PK			2.63 H	137	113.0	-2.6
2	*2437.00	105.1 AV			2.63 H	137	107.7	-2.6
3	4874.00	44.3 PK	74.0	-29.7	1.00 H	154	42.2	2.1
4	4874.00	34.3 AV	54.0	-19.7	1.00 H	154	32.2	2.1
5	7311.00	44.6 PK	74.0	-29.4	1.00 H	174	36.4	8.2
6	7311.00	33.7 AV	54.0	-20.3	1.00 H	174	25.5	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#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.

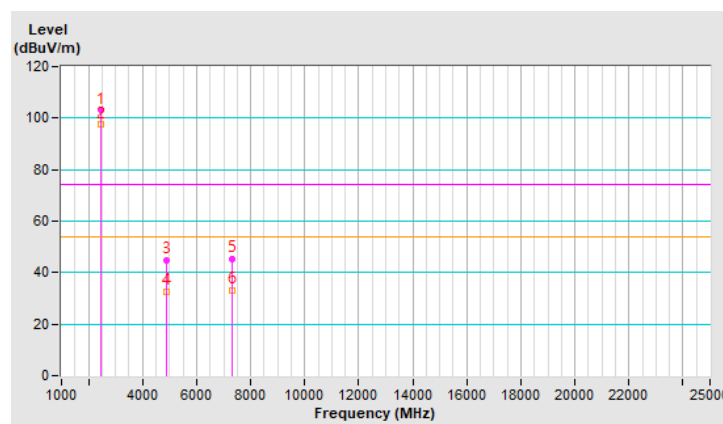


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=300Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	103.0 PK			1.43 V	313	105.6	-2.6
2	*2437.00	97.4 AV			1.43 V	313	100.0	-2.6
3	4874.00	44.6 PK	74.0	-29.4	2.24 V	226	42.5	2.1
4	4874.00	32.5 AV	54.0	-21.5	2.24 V	226	30.4	2.1
5	7311.00	45.2 PK	74.0	-28.8	1.53 V	203	37.0	8.2
6	7311.00	33.3 AV	54.0	-20.7	1.53 V	203	25.1	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#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.



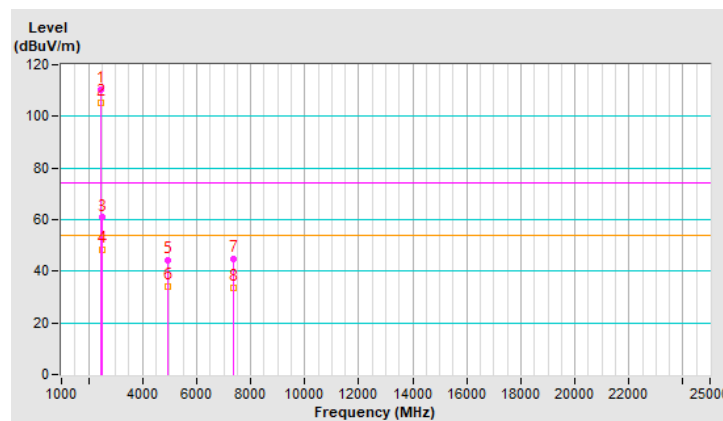
操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=300Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	110.4 PK			2.63 H	143	112.9	-2.5
2	*2462.00	105.2 AV			2.63 H	143	107.7	-2.5
3	2483.50	60.8 PK	74.0	-13.2	2.63 H	143	63.3	-2.5
4	2483.50	48.5 AV	54.0	-5.5	2.63 H	143	51.0	-2.5
5	4924.00	44.2 PK	74.0	-29.8	1.00 H	139	42.0	2.2
6	4924.00	34.1 AV	54.0	-19.9	1.00 H	139	31.9	2.2
7	7386.00	44.6 PK	74.0	-29.4	1.00 H	169	36.3	8.3
8	7386.00	33.8 AV	54.0	-20.2	1.00 H	169	25.5	8.3
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.

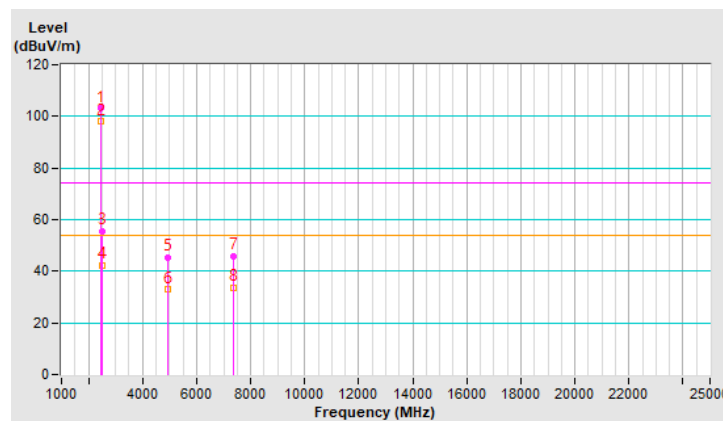


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=300Hz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	103.0 PK			1.46 V	313	105.5	-2.5
2	*2462.00	97.9 AV			1.46 V	313	100.4	-2.5
3	2483.50	55.6 PK	74.0	-18.4	1.46 V	313	58.1	-2.5
4	2483.50	42.1 AV	54.0	-11.9	1.46 V	313	44.6	-2.5
5	4924.00	45.2 PK	74.0	-28.8	2.22 V	222	43.0	2.2
6	4924.00	32.8 AV	54.0	-21.2	2.22 V	222	30.6	2.2
7	7386.00	45.6 PK	74.0	-28.4	1.57 V	189	37.3	8.3
8	7386.00	33.5 AV	54.0	-20.5	1.57 V	189	25.2	8.3
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

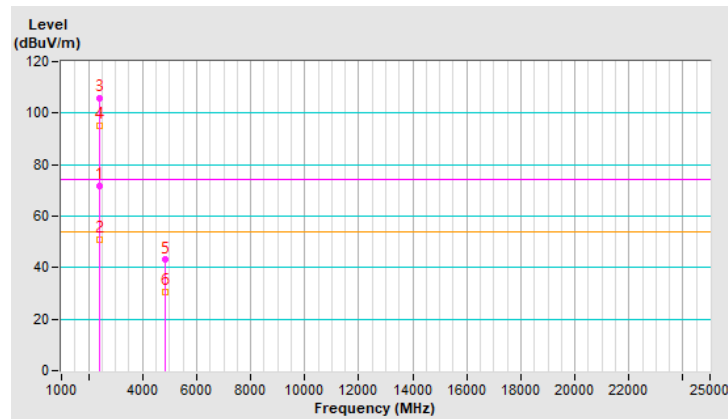
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.8 PK	74.0	-2.2	2.62 H	125	74.0	-2.2
2	2390.00	51.1 AV	54.0	-2.9	2.62 H	125	53.3	-2.2
3	*2412.00	106.0 PK			2.62 H	125	108.3	-2.3
4	*2412.00	95.3 AV			2.62 H	125	97.6	-2.3
5	4824.00	43.0 PK	74.0	-31.0	1.00 H	136	40.9	2.1
6	4824.00	30.4 AV	54.0	-23.6	1.00 H	136	28.3	2.1
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.

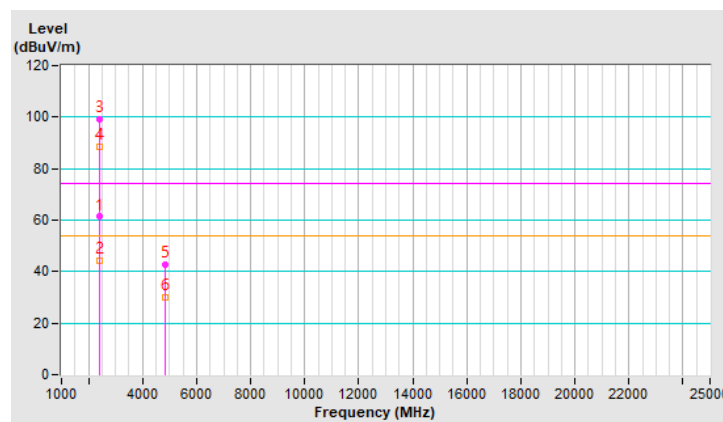


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.3 PK	74.0	-12.7	1.41 V	314	63.5	-2.2
2	2390.00	44.2 AV	54.0	-9.8	1.41 V	314	46.4	-2.2
3	*2412.00	99.3 PK			1.41 V	314	101.6	-2.3
4	*2412.00	88.6 AV			1.41 V	314	90.9	-2.3
5	4824.00	42.6 PK	74.0	-31.4	2.22 V	228	40.5	2.1
6	4824.00	30.1 AV	54.0	-23.9	2.22 V	228	28.0	2.1
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.

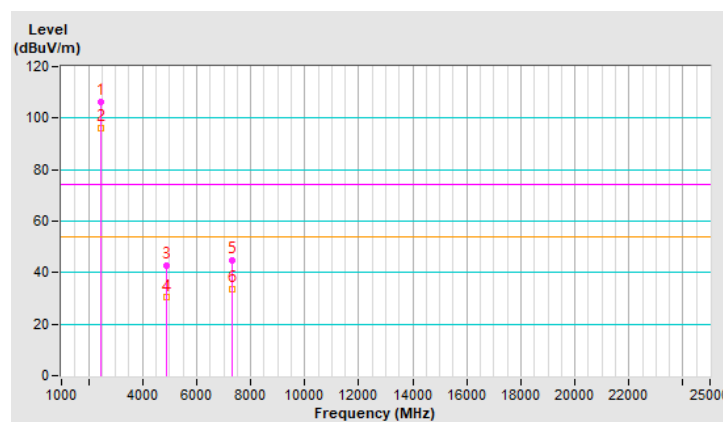


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	106.4 PK			2.65 H	131	109.0	-2.6
2	*2437.00	96.1 AV			2.65 H	131	98.7	-2.6
3	4874.00	42.8 PK	74.0	-31.2	1.00 H	151	40.7	2.1
4	4874.00	30.3 AV	54.0	-23.7	1.00 H	151	28.2	2.1
5	7311.00	44.8 PK	74.0	-29.2	1.00 H	163	36.6	8.2
6	7311.00	33.7 AV	54.0	-20.3	1.00 H	163	25.5	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#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.

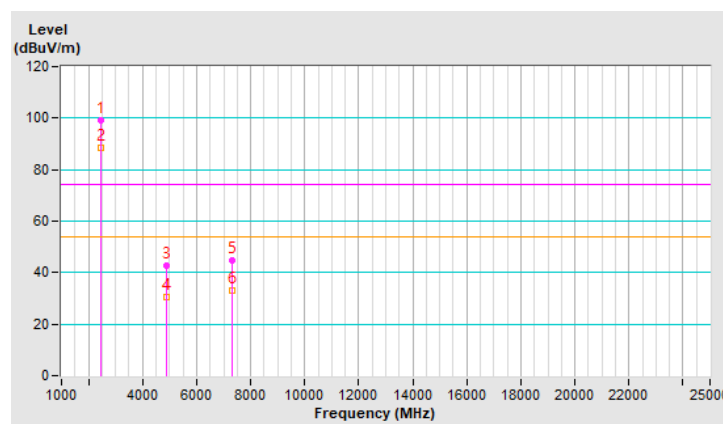


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.1 PK			1.48 V	327	101.7	-2.6
2	*2437.00	88.6 AV			1.48 V	327	91.2	-2.6
3	4874.00	42.7 PK	74.0	-31.3	2.21 V	225	40.6	2.1
4	4874.00	30.4 AV	54.0	-23.6	2.21 V	225	28.3	2.1
5	7311.00	44.9 PK	74.0	-29.1	1.52 V	213	36.7	8.2
6	7311.00	33.3 AV	54.0	-20.7	1.52 V	213	25.1	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#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.

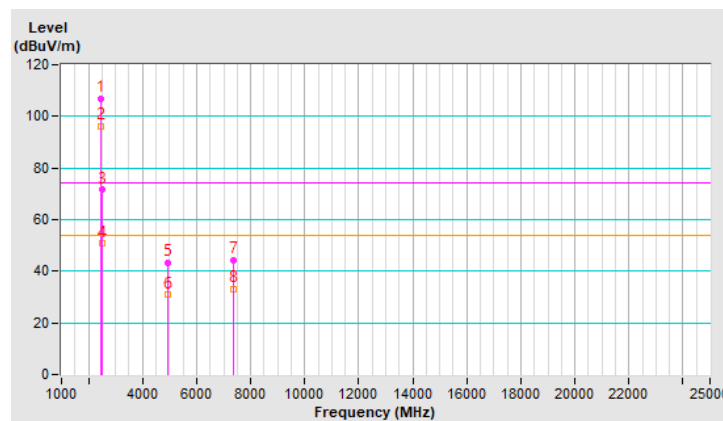


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	106.8 PK			2.61 H	145	109.3	-2.5
2	*2462.00	96.3 AV			2.61 H	145	98.8	-2.5
3	2483.50	71.5 PK	74.0	-2.5	2.61 H	145	74.0	-2.5
4	2483.50	50.6 AV	54.0	-3.4	2.61 H	145	53.1	-2.5
5	4924.00	43.1 PK	74.0	-30.9	1.00 H	137	40.9	2.2
6	4924.00	30.8 AV	54.0	-23.2	1.00 H	137	28.6	2.2
7	7386.00	44.2 PK	74.0	-29.8	1.00 H	163	35.9	8.3
8	7386.00	33.1 AV	54.0	-20.9	1.00 H	163	24.8	8.3
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.

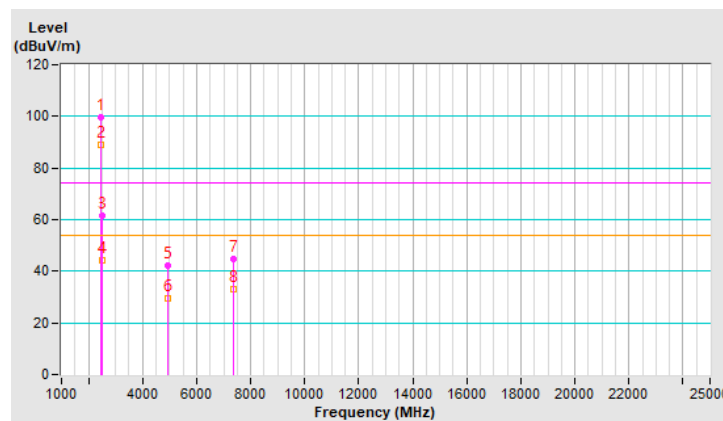


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.8 PK			1.42 V	337	102.3	-2.5
2	*2462.00	89.2 AV			1.42 V	337	91.7	-2.5
3	2483.50	61.4 PK	74.0	-12.6	1.42 V	337	63.9	-2.5
4	2483.50	44.3 AV	54.0	-9.7	1.42 V	337	46.8	-2.5
5	4924.00	42.1 PK	74.0	-31.9	2.26 V	214	39.9	2.2
6	4924.00	29.6 AV	54.0	-24.4	2.26 V	214	27.4	2.2
7	7386.00	45.0 PK	74.0	-29.0	1.51 V	190	36.7	8.3
8	7386.00	33.2 AV	54.0	-20.8	1.51 V	190	24.9	8.3
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 (HT20)

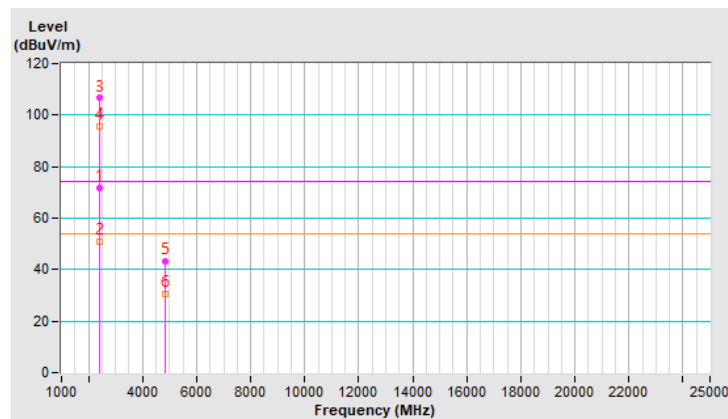
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.7 PK	74.0	-2.3	2.61 H	147	73.9	-2.2
2	2390.00	50.8 AV	54.0	-3.2	2.61 H	147	53.0	-2.2
3	*2412.00	106.6 PK			2.61 H	147	108.9	-2.3
4	*2412.00	95.7 AV			2.61 H	147	98.0	-2.3
5	4824.00	43.1 PK	74.0	-30.9	1.00 H	128	41.0	2.1
6	4824.00	30.7 AV	54.0	-23.3	1.00 H	128	28.6	2.1
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.

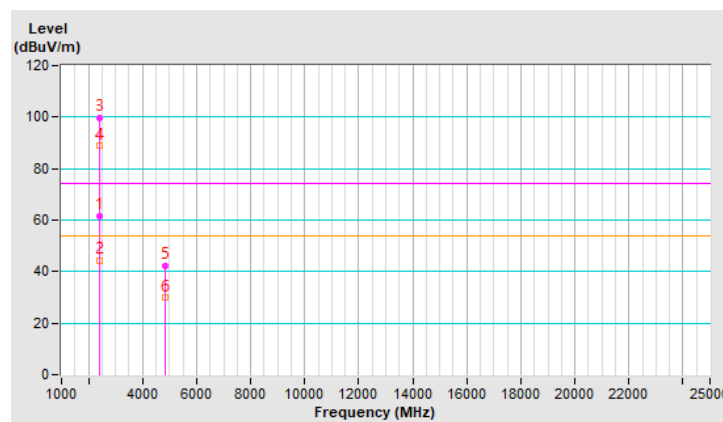


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.6 PK	74.0	-12.4	1.42 V	339	63.8	-2.2
2	2390.00	44.4 AV	54.0	-9.6	1.42 V	339	46.6	-2.2
3	*2412.00	99.5 PK			1.42 V	339	101.8	-2.3
4	*2412.00	88.8 AV			1.42 V	339	91.1	-2.3
5	4824.00	42.4 PK	74.0	-31.6	2.27 V	227	40.3	2.1
6	4824.00	29.8 AV	54.0	-24.2	2.27 V	227	27.7	2.1
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.



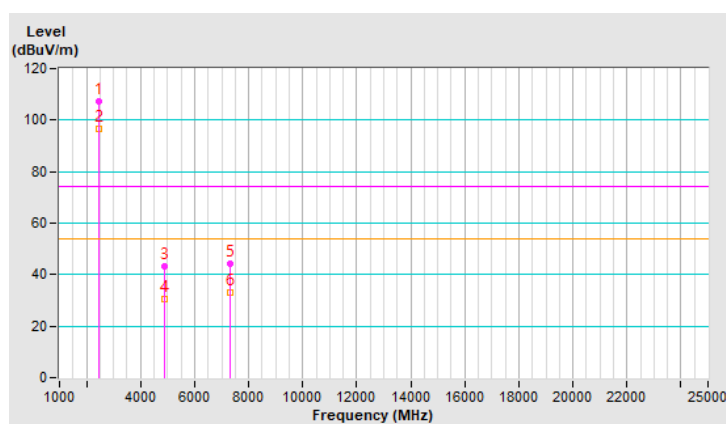
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	107.5 PK			2.67 H	120	110.1	-2.6
2	*2437.00	96.6 AV			2.67 H	120	99.2	-2.6
3	4874.00	43.1 PK	74.0	-30.9	1.00 H	136	41.0	2.1
4	4874.00	30.5 AV	54.0	-23.5	1.00 H	136	28.4	2.1
5	7311.00	44.4 PK	74.0	-29.6	1.00 H	170	36.2	8.2
6	7311.00	33.0 AV	54.0	-21.0	1.00 H	170	24.8	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

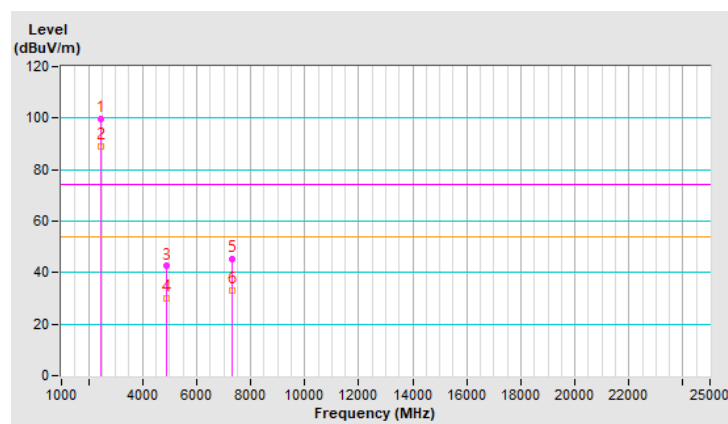


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.8 PK			1.46 V	315	102.4	-2.6
2	*2437.00	89.1 AV			1.46 V	315	91.7	-2.6
3	4874.00	42.5 PK	74.0	-31.5	2.20 V	218	40.4	2.1
4	4874.00	30.2 AV	54.0	-23.8	2.20 V	218	28.1	2.1
5	7311.00	45.4 PK	74.0	-28.6	1.50 V	193	37.2	8.2
6	7311.00	33.3 AV	54.0	-20.7	1.50 V	193	25.1	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#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.



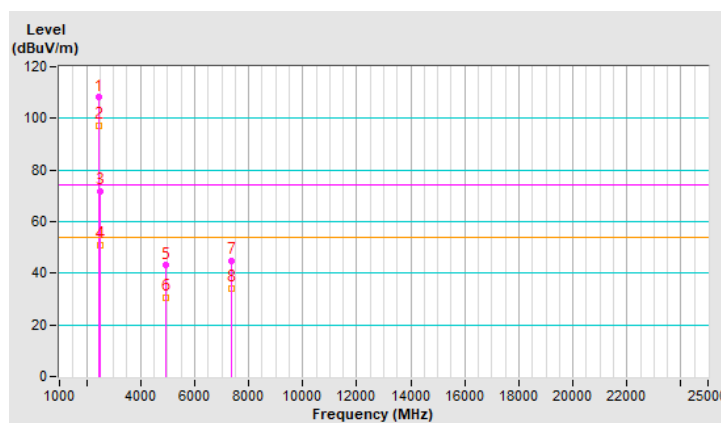
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	108.1 PK			2.61 H	146	110.6	-2.5
2	*2462.00	97.1 AV			2.61 H	146	99.6	-2.5
3	2483.50	71.6 PK	74.0	-2.4	2.61 H	146	74.1	-2.5
4	2483.50	50.8 AV	54.0	-3.2	2.61 H	146	53.3	-2.5
5	4924.00	43.0 PK	74.0	-31.0	1.00 H	132	40.8	2.2
6	4924.00	30.5 AV	54.0	-23.5	1.00 H	132	28.3	2.2
7	7386.00	45.0 PK	74.0	-29.0	1.00 H	184	36.7	8.3
8	7386.00	33.9 AV	54.0	-20.1	1.00 H	184	25.6	8.3
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.

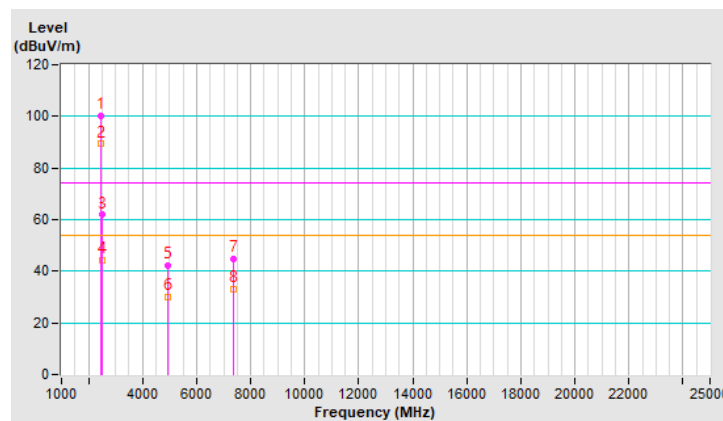


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	100.2 PK			1.42 V	317	102.7	-2.5
2	*2462.00	89.3 AV			1.42 V	317	91.8	-2.5
3	2483.50	61.8 PK	74.0	-12.2	1.42 V	317	64.3	-2.5
4	2483.50	44.4 AV	54.0	-9.6	1.42 V	317	46.9	-2.5
5	4924.00	42.1 PK	74.0	-31.9	2.20 V	221	39.9	2.2
6	4924.00	29.9 AV	54.0	-24.1	2.20 V	221	27.7	2.2
7	7386.00	45.0 PK	74.0	-29.0	1.56 V	192	36.7	8.3
8	7386.00	33.2 AV	54.0	-20.8	1.56 V	192	24.9	8.3
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)

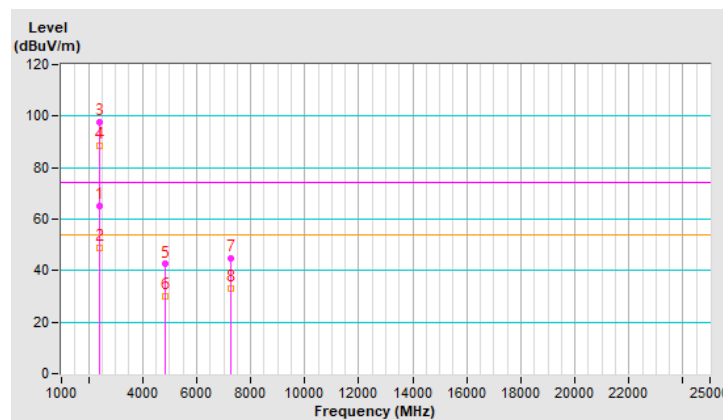
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.2 PK	74.0	-8.8	2.68 H	133	67.4	-2.2
2	2390.00	48.8 AV	54.0	-5.2	2.68 H	133	51.0	-2.2
3	*2422.00	97.7 PK			2.68 H	133	100.2	-2.5
4	*2422.00	88.6 AV			2.68 H	133	91.1	-2.5
5	4844.00	42.5 PK	74.0	-31.5	1.02 H	137	40.4	2.1
6	4844.00	30.1 AV	54.0	-23.9	1.02 H	137	28.0	2.1
7	7266.00	44.6 PK	74.0	-29.4	1.00 H	167	36.3	8.3
8	7266.00	33.3 AV	54.0	-20.7	1.00 H	167	25.0	8.3
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

REMARKS:

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

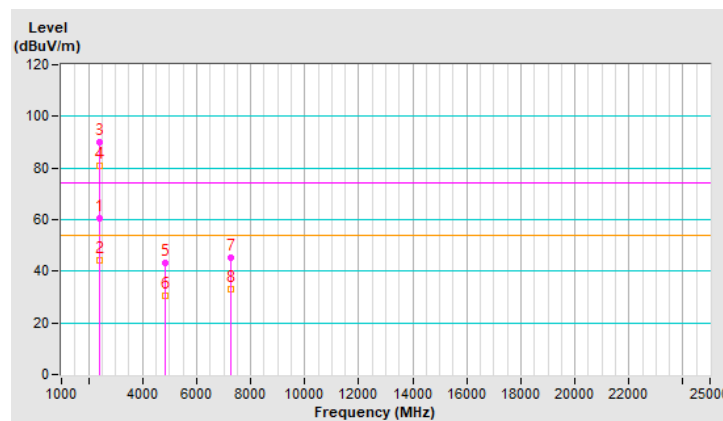


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.4 PK	74.0	-13.6	1.43 V	330	62.6	-2.2
2	2390.00	44.3 AV	54.0	-9.7	1.43 V	330	46.5	-2.2
3	*2422.00	90.2 PK			1.43 V	330	92.7	-2.5
4	*2422.00	81.1 AV			1.43 V	330	83.6	-2.5
5	4844.00	43.2 PK	74.0	-30.8	2.29 V	219	41.1	2.1
6	4844.00	30.4 AV	54.0	-23.6	2.29 V	219	28.3	2.1
7	7266.00	45.4 PK	74.0	-28.6	1.54 V	210	37.1	8.3
8	7266.00	33.2 AV	54.0	-20.8	1.54 V	210	24.9	8.3
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

REMARKS:

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

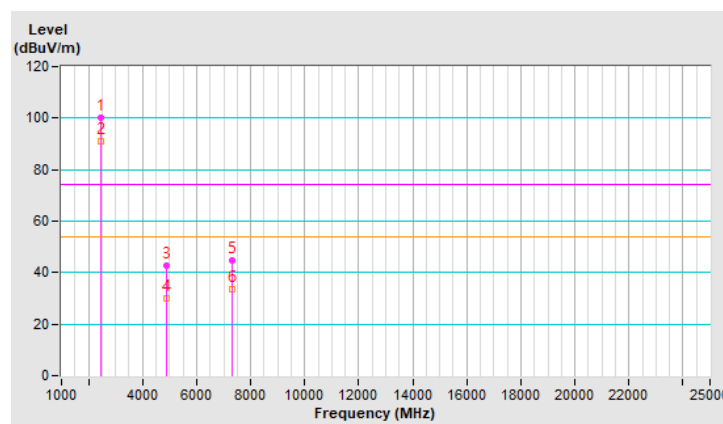


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	100.1 PK			2.60 H	124	102.7	-2.6
2	*2437.00	90.9 AV			2.60 H	124	93.5	-2.6
3	4874.00	42.7 PK	74.0	-31.3	1.00 H	123	40.6	2.1
4	4874.00	30.1 AV	54.0	-23.9	1.00 H	123	28.0	2.1
5	7311.00	45.0 PK	74.0	-29.0	1.00 H	165	36.8	8.2
6	7311.00	33.7 AV	54.0	-20.3	1.00 H	165	25.5	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#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.

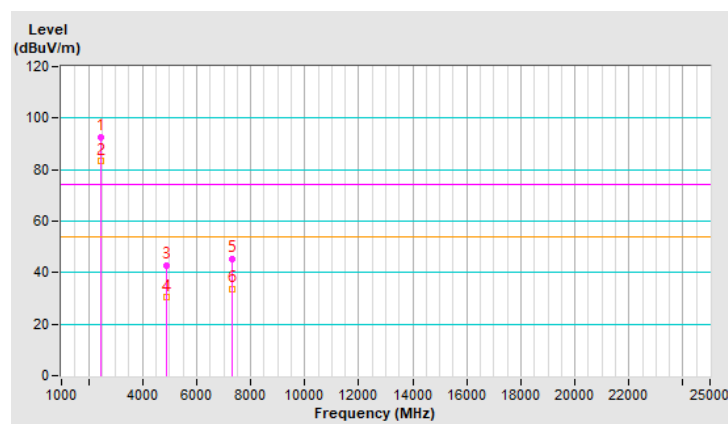


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	92.5 PK			1.50 V	327	95.1	-2.6
2	*2437.00	83.2 AV			1.50 V	327	85.8	-2.6
3	4874.00	42.6 PK	74.0	-31.4	2.30 V	219	40.5	2.1
4	4874.00	30.3 AV	54.0	-23.7	2.30 V	219	28.2	2.1
5	7311.00	45.5 PK	74.0	-28.5	1.59 V	190	37.3	8.2
6	7311.00	33.5 AV	54.0	-20.5	1.59 V	190	25.3	8.2
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#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.



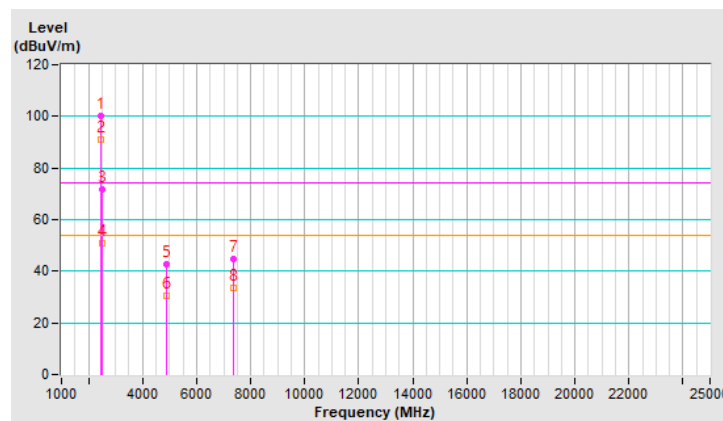
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	100.2 PK			2.67 H	139	102.8	-2.6
2	*2452.00	91.0 AV			2.67 H	139	93.6	-2.6
3	2483.50	71.6 PK	74.0	-2.4	2.67 H	139	74.1	-2.5
4	2483.50	50.9 AV	54.0	-3.1	2.67 H	139	53.4	-2.5
5	4904.00	42.9 PK	74.0	-31.1	1.00 H	130	40.7	2.2
6	4904.00	30.5 AV	54.0	-23.5	1.00 H	130	28.3	2.2
7	7356.00	44.8 PK	74.0	-29.2	1.01 H	163	36.5	8.3
8	7356.00	33.7 AV	54.0	-20.3	1.01 H	163	25.4	8.3
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.

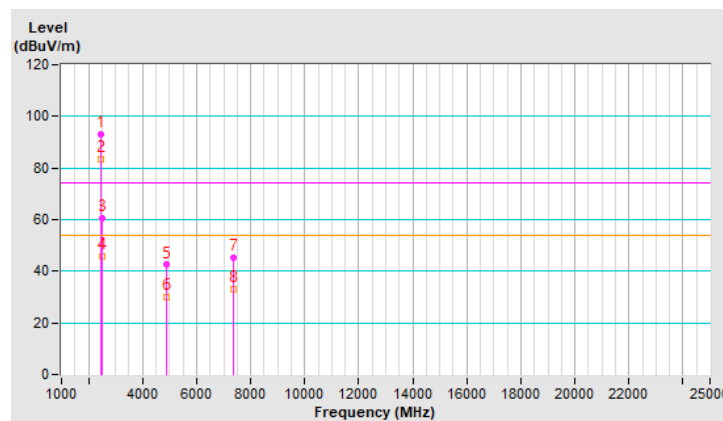


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	92.9 PK			1.50 V	324	95.5	-2.6
2	*2452.00	83.4 AV			1.50 V	324	86.0	-2.6
3	2483.50	60.7 PK	74.0	-13.3	1.50 V	324	63.2	-2.5
4	2483.50	45.8 AV	54.0	-8.2	1.50 V	324	48.3	-2.5
5	4904.00	42.5 PK	74.0	-31.5	2.27 V	221	40.3	2.2
6	4904.00	30.1 AV	54.0	-23.9	2.27 V	221	27.9	2.2
7	7356.00	45.1 PK	74.0	-28.9	1.51 V	203	36.8	8.3
8	7356.00	33.1 AV	54.0	-20.9	1.51 V	203	24.8	8.3
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.



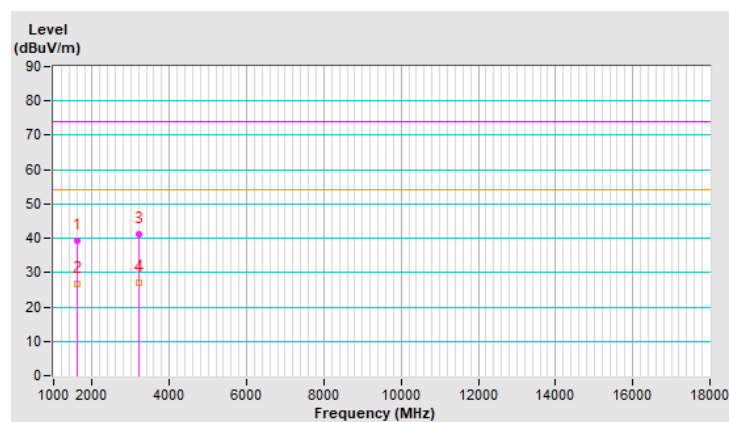
4.6.2 接收諧波

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：	107 年 6 月 6 日	測試者：	鄭樹營

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	39.4 PK	74.0	-34.6	3.20 H	214	44.7	-5.3
2	1608.00	26.7 AV	54.0	-27.3	3.20 H	214	32.0	-5.3
3	3216.00	41.1 PK	74.0	-32.9	2.06 H	310	42.2	-1.1
4	3216.00	27.1 AV	54.0	-26.9	2.06 H	310	28.2	-1.1

REMARKS:

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

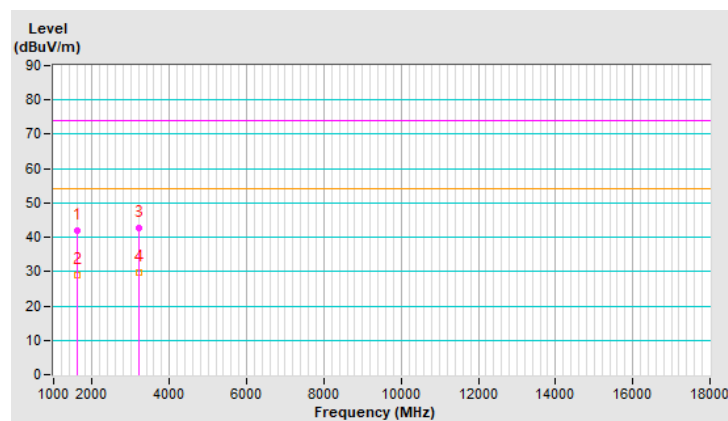


操作模式：	接收		
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.9 PK	74.0	-32.1	2.41 V	161	47.2	-5.3
2	1608.00	29.1 AV	54.0	-24.9	2.41 V	161	34.4	-5.3
3	3216.00	42.8 PK	74.0	-31.2	3.06 V	248	43.9	-1.1
4	3216.00	29.8 AV	54.0	-24.2	3.06 V	248	30.9	-1.1

REMARKS:

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

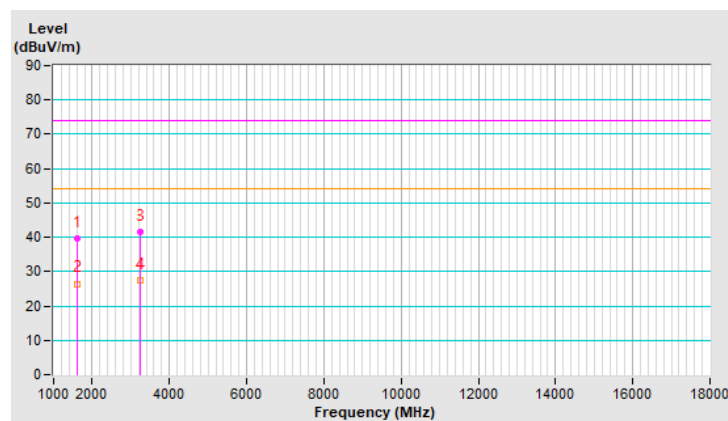


操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	39.6 PK	74.0	-34.4	3.23 H	224	45.0	-5.4
2	1624.67	26.5 AV	54.0	-27.5	3.23 H	224	31.9	-5.4
3	3249.33	41.7 PK	74.0	-32.3	2.06 H	333	42.9	-1.2
4	3249.33	27.3 AV	54.0	-26.7	2.06 H	333	28.5	-1.2

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

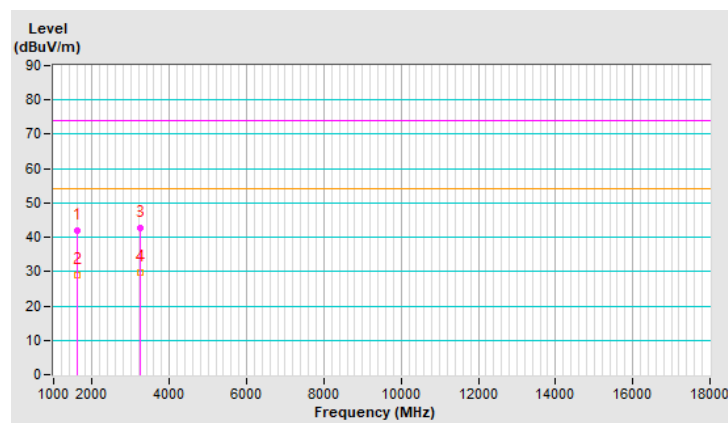


操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	42.0 PK	74.0	-32.0	2.38 V	169	47.4	-5.4
2	1624.67	28.9 AV	54.0	-25.1	2.38 V	169	34.3	-5.4
3	3249.33	42.8 PK	74.0	-31.2	3.08 V	231	44.0	-1.2
4	3249.33	29.6 AV	54.0	-24.4	3.08 V	231	30.8	-1.2

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

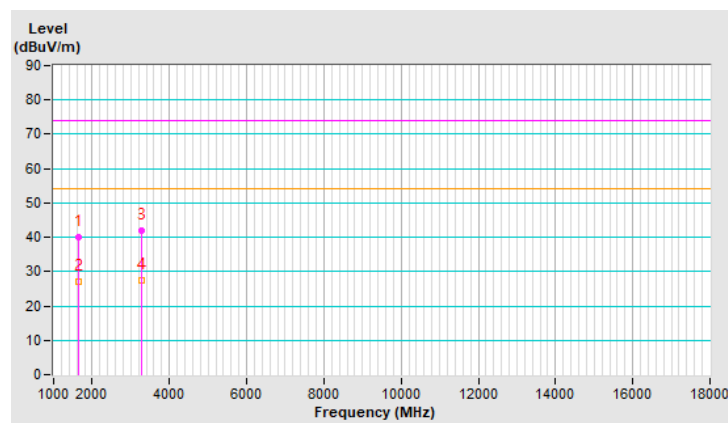


操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	39.9 PK	74.0	-34.1	3.19 H	211	45.4	-5.5
2	1641.33	27.0 AV	54.0	-27.0	3.19 H	211	32.5	-5.5
3	3282.67	42.0 PK	74.0	-32.0	1.97 H	317	43.2	-1.2
4	3282.67	27.6 AV	54.0	-26.4	1.97 H	317	28.8	-1.2

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

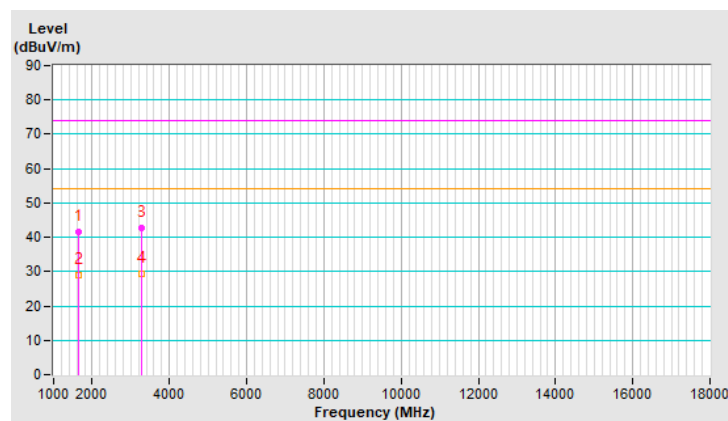


操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.6 PK	74.0	-32.4	2.37 V	163	47.1	-5.5
2	1641.33	29.0 AV	54.0	-25.0	2.37 V	163	34.5	-5.5
3	3282.67	42.7 PK	74.0	-31.3	3.06 V	251	43.9	-1.2
4	3282.67	29.5 AV	54.0	-24.5	3.06 V	251	30.7	-1.2

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



4.6.3 其它不必要之訊號

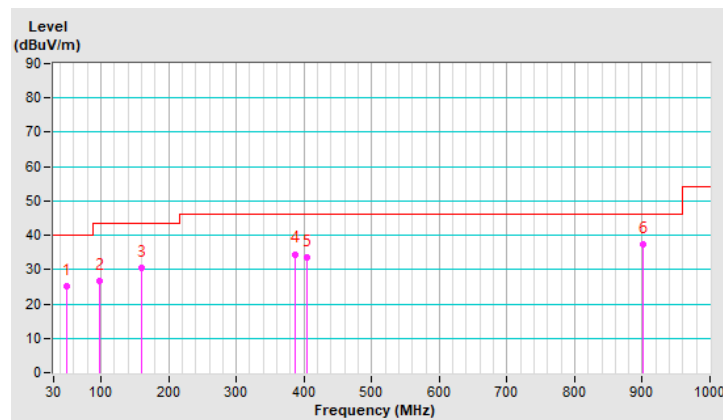
802.11g

操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	48.65	25.3 QP	40.0	-14.7	1.33 H	22	33.3	-8.0
2	98.84	26.8 QP	43.5	-16.7	1.45 H	62	39.4	-12.6
3	160.51	30.4 QP	43.5	-13.1	1.79 H	92	38.3	-7.9
4	387.62	34.5 QP	46.0	-11.5	1.56 H	45	39.2	-4.7
5	404.30	33.5 QP	46.0	-12.5	1.58 H	85	37.9	-4.4
6	901.65	37.5 QP	46.0	-8.5	1.45 H	12	32.4	5.1

REMARKS:

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



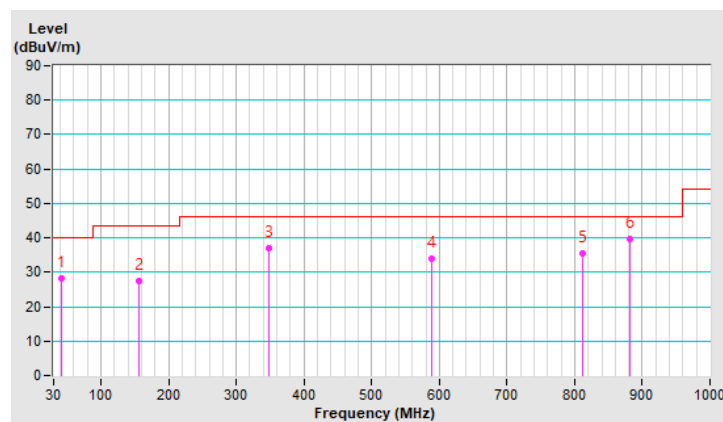
操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	40.88	28.2 QP	40.0	-11.8	1.65 V	33	36.4	-8.2
2	155.91	27.6 QP	43.5	-15.9	1.35 V	88	35.1	-7.5
3	348.67	37.1 QP	46.0	-8.9	1.65 V	360	42.8	-5.7
4	589.63	34.0 QP	46.0	-12.0	1.77 V	55	34.0	0.0
5	811.91	35.3 QP	46.0	-10.7	2.15 V	99	31.4	3.9
6	880.90	39.8 QP	46.0	-6.2	2.15 V	165	35.2	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 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。

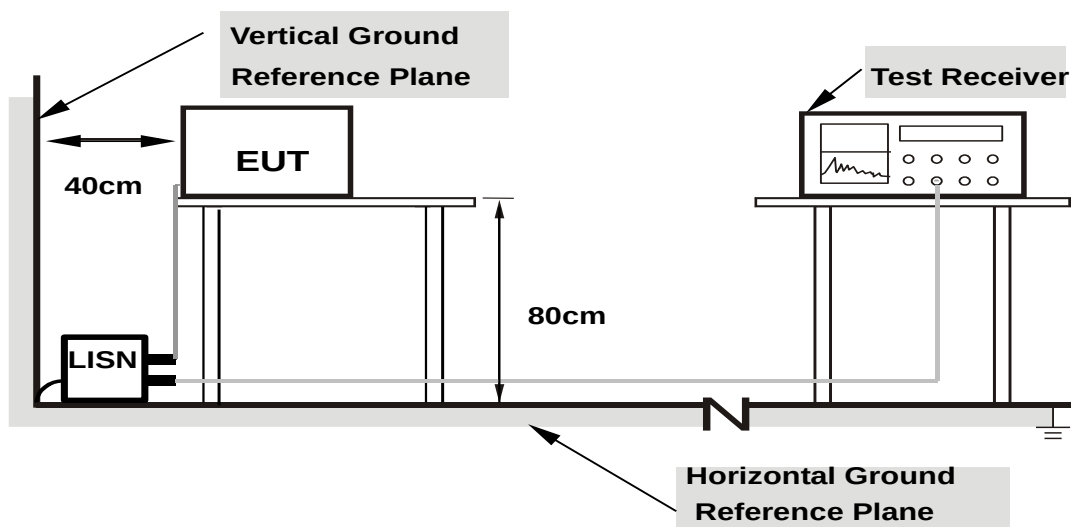
5.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	847124/029	Nov. 01, 2017	Oct. 31, 2018
Line-Impedance Stabilization Network (for EUT) R&S	ESH3-Z5	848773/004	Nov. 15, 2017	Nov. 14, 2018
Line-Impedance Stabilization Network (for Peripheral) R&S	ENV216	100072	June 03, 2017	June 02, 2018
50 ohms Terminator	N/A	EMC-02	Sep. 22, 2017	Sep. 21, 2018
RF Cable	5D-FB	COCCAB-001	Sep. 29, 2017	Sep. 28, 2018
Fixed attenuator EMEC	STI02-2200-10	003	Mar. 16, 2018	Mar. 15, 2019
Software BVADT	BVADT_Conf_ 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.
 2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

5.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

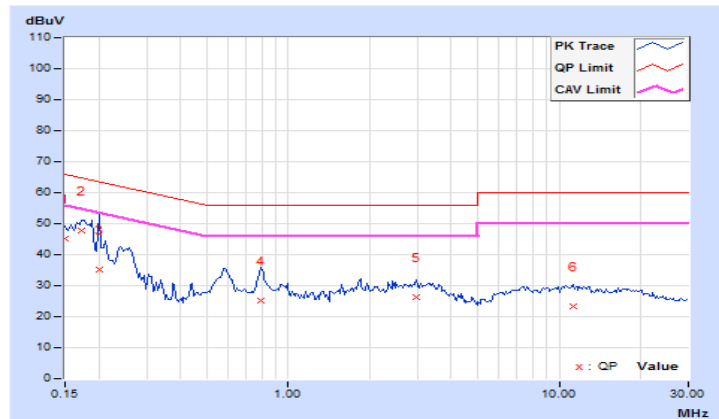
5.6 量測結果

操作模式	發射	測試日期	107 年 6 月 01 日
基本波頻率	CH 1: 2412MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%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	35.28	21.92	45.31	31.95	66.00	56.00	-20.69	-24.05
0.17344	10.05	37.79	20.43	47.84	30.48	64.79	54.79	-16.95	-24.31
0.20078	10.06	25.05	10.68	35.11	20.74	63.58	53.58	-28.47	-32.84
0.79453	10.14	15.21	4.92	25.35	15.06	56.00	46.00	-30.65	-30.94
2.98828	10.23	16.01	10.78	26.24	21.01	56.00	46.00	-29.76	-24.99
11.23828	10.61	12.80	6.29	23.41	16.90	60.00	50.00	-36.59	-33.10

Remarks:

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

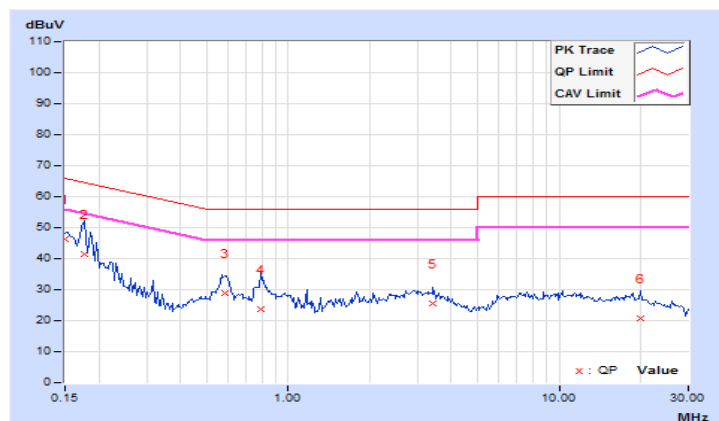


操作模式	發射	測試日期	107 年 6 月 01 日
基本波頻率	CH 1: 2412MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	何欣儒		

		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	36.46	23.68	46.40	33.62	66.00	56.00	-19.60	-22.38
0.17734	9.95	31.37	19.69	41.32	29.64	64.61	54.61	-23.29	-24.97
0.58750	10.01	18.92	10.85	28.93	20.86	56.00	46.00	-27.07	-25.14
0.79453	10.02	13.69	5.81	23.71	15.83	56.00	46.00	-32.29	-30.17
3.42969	10.12	15.61	10.10	25.73	20.22	56.00	46.00	-30.27	-25.78
19.96875	10.90	9.70	2.75	20.60	13.65	60.00	50.00	-39.40	-36.35

Remarks:

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



5.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

5.8 配置照片

請參照 Test Setup Photos

6 6 dB 頻寬之要求

6.1 適用標準

請見本報告 3.1 節第(5)項(I)的規定。

6.2 量測方法

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

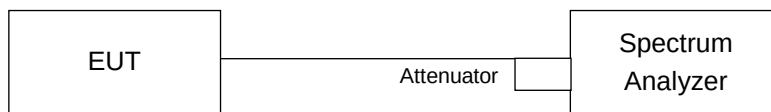
6.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	July 01, 2017	June 30, 2018

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	107 年 6 月 06 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	10.10	9.61	0.5	Pass
6	2437	10.08	10.10	0.5	Pass
11	2462	10.10	10.07	0.5	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	16.35	16.34	0.5	Pass
6	2437	16.34	16.34	0.5	Pass
11	2462	16.34	16.33	0.5	Pass

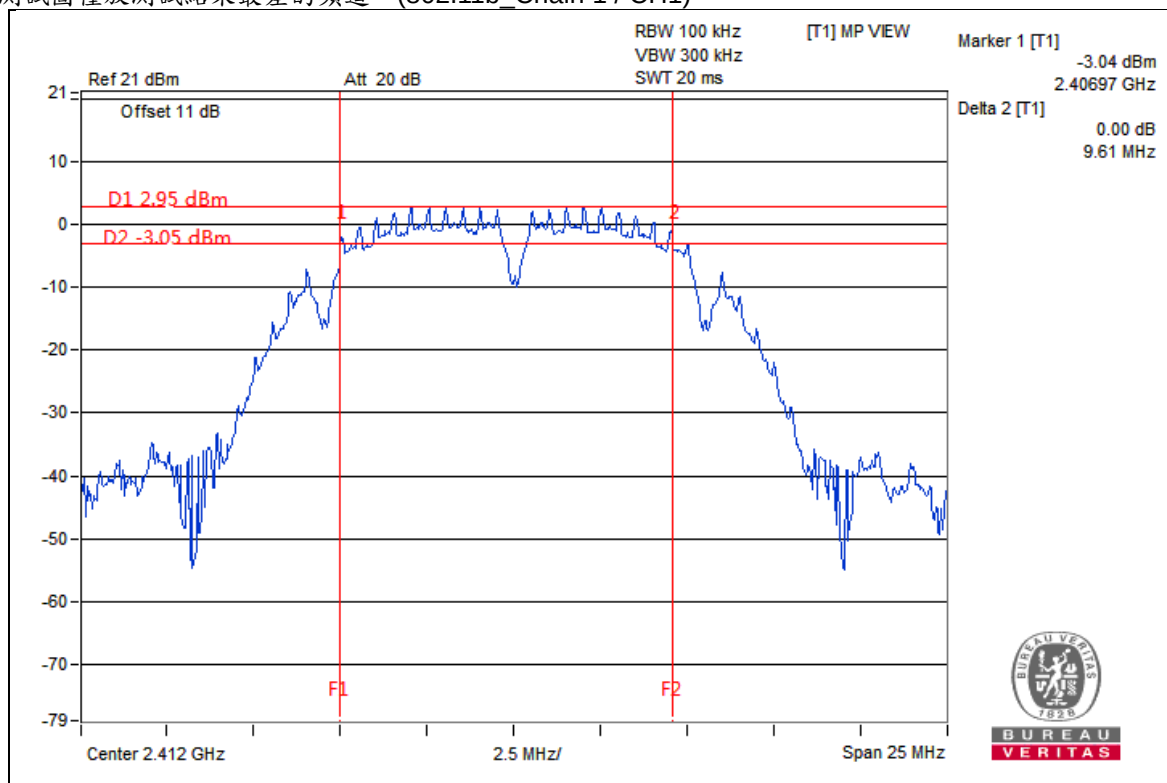
802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	17.10	16.98	0.5	Pass
6	2437	17.30	17.30	0.5	Pass
11	2462	17.09	16.94	0.5	Pass

802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	35.56	35.51	0.5	Pass
6	2437	35.27	35.44	0.5	Pass
9	2452	35.40	35.41	0.5	Pass

**此測試圖僅放測試結果最差的頻道。(802.11b_Chain 1 / CH1)



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

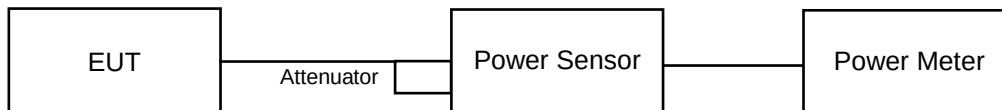
- 將待測物輸出經由衰減器接到功率計上。
- 設定待測物處於連續發射狀態。
- 計算其最大輸出功率。

7.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power meter Anritsu	ML2495A	1014008	May 09, 2018	May 08, 2019
Power sensor Anritsu	MA2411B	0917122	May 09, 2018	May 08, 2019

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	107 年 6 月 06 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11b

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	16.70	15.71	84.013	19.24	30	Pass
6	2437	16.43	15.28	77.683	18.90	30	Pass
11	2462	16.91	15.73	86.502	19.37	30	Pass

802.11g

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	18.85	17.71	135.756	21.33	30	Pass
6	2437	19.79	18.64	168.394	22.26	30	Pass
11	2462	19.86	18.72	171.301	22.34	30	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	19.88	18.66	170.726	22.32	30	Pass
6	2437	19.67	18.51	163.641	22.14	30	Pass
11	2462	19.85	18.73	171.25	22.34	30	Pass

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	15.14	15.32	66.7	18.24	30	Pass
6	2437	18.77	18.43	144.999	21.61	30	Pass
9	2452	18.54	18.07	135.571	21.32	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

- a) 將待測物之天線埠連接至測試儀器。
- b) 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。
- c) 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	July 01, 2017	June 30, 2018

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	107 年 6 月 06 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11b

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-9.20	3.01	-6.19	8	Pass
	6	2437	-10.15	3.01	-7.14	8	Pass
	11	2462	-9.25	3.01	-6.24	8	Pass
1	1	2412	-9.97	3.01	-6.96	8	Pass
	6	2437	-9.64	3.01	-6.63	8	Pass
	11	2462	-10.98	3.01	-7.97	8	Pass

Note: The Directional gain = 2dBi + 10log(2) = 5.01dBi > 6dBi, so so the power density limit shall not be reduced.

802.11g

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-13.86	3.01	-10.85	8	Pass
	6	2437	-13.02	3.01	-10.01	8	Pass
	11	2462	-13.84	3.01	-10.83	8	Pass
1	1	2412	-13.82	3.01	-10.81	8	Pass
	6	2437	-14.12	3.01	-11.11	8	Pass
	11	2462	-14.57	3.01	-11.56	8	Pass

Note: The Directional gain = 2dBi + 10log(2) = 5.01dBi > 6dBi, so so the power density limit shall not be reduced.

802.11n (HT20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-13.79	3.01	-10.78	8	Pass
	6	2437	-13.42	3.01	-10.41	8	Pass
	11	2462	-13.55	3.01	-10.54	8	Pass
1	1	2412	-15.38	3.01	-12.37	8	Pass
	6	2437	-14.87	3.01	-11.86	8	Pass
	11	2462	-14.70	3.01	-11.69	8	Pass

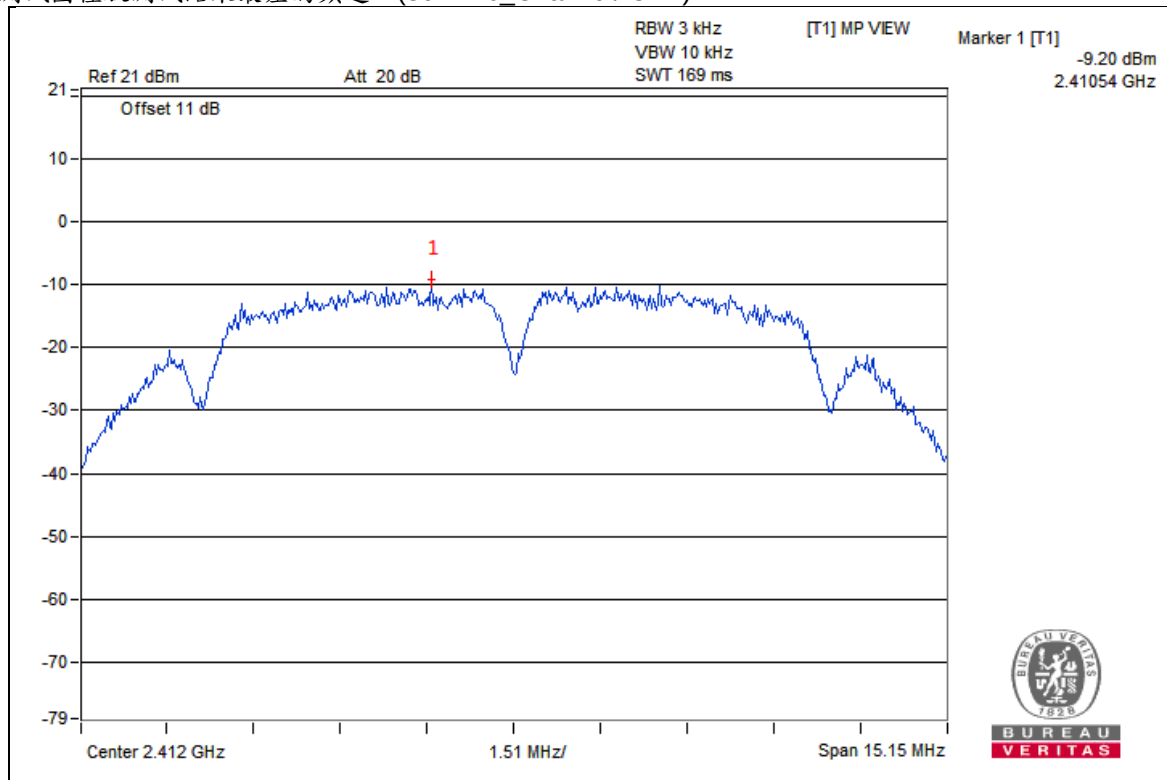
Note: The Directional gain = 2dBi + 10log(2) = 5.01dBi > 6dBi, so so the power density limit shall not be reduced.

802.11n (HT40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	3	2422	-22.39	3.01	-19.38	8	Pass
	6	2437	-17.52	3.01	-14.51	8	Pass
	9	2452	-18.26	3.01	-15.25	8	Pass
1	3	2422	-21.85	3.01	-18.84	8	Pass
	6	2437	-19.01	3.01	-16.00	8	Pass
	9	2452	-18.52	3.01	-15.51	8	Pass

Note: The Directional gain = 2dBi + 10log(2) = 5.01dBi > 6dBi, so the power density limit shall not be reduced.

**此測試圖僅放測試結果最差的頻道。(802.11b_Chain 0 / CH1)



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 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 量測結果

9.6.1 發射諧波

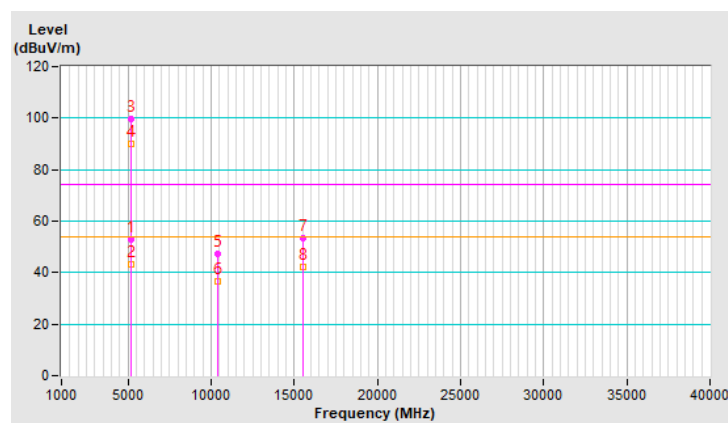
802.11a

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=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	53.1 PK	74.0	-20.9	1.58 H	355	50.1	3.0
2	5150.00	43.2 AV	54.0	-10.8	1.58 H	355	40.2	3.0
3	*5180.00	99.8 PK			1.58 H	355	96.8	3.0
4	*5180.00	90.1 AV			1.58 H	355	87.1	3.0
5	#10360.00	47.3 PK	74.0	-26.7	1.54 H	265	35.1	12.2
6	#10360.00	36.5 AV	54.0	-17.5	1.54 H	265	24.3	12.2
7	15540.00	53.6 PK	74.0	-20.4	1.47 H	320	40.8	12.8
8	15540.00	42.1 AV	54.0	-11.9	1.47 H	320	29.3	12.8
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.



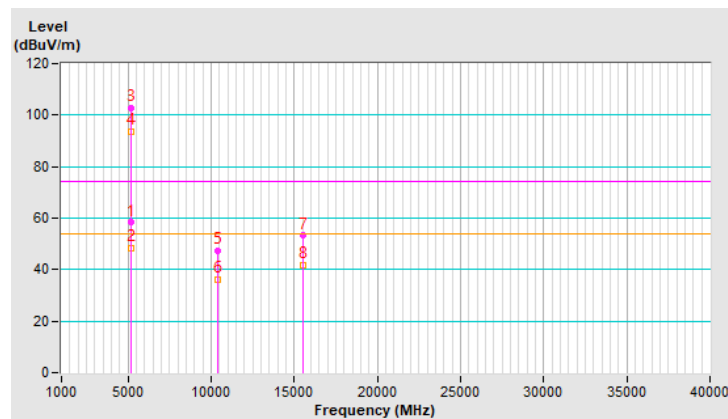
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	58.3 PK	74.0	-15.7	2.10 V	163	55.3	3.0
2	5150.00	48.2 AV	54.0	-5.8	2.10 V	163	45.2	3.0
3	*5180.00	102.6 PK			2.10 V	163	99.6	3.0
4	*5180.00	93.5 AV			2.10 V	163	90.5	3.0
5	#10360.00	47.2 PK	74.0	-26.8	1.59 V	276	35.0	12.2
6	#10360.00	36.1 AV	54.0	-17.9	1.59 V	276	23.9	12.2
7	15540.00	53.2 PK	74.0	-20.8	1.43 V	307	40.4	12.8
8	15540.00	41.8 AV	54.0	-12.2	1.43 V	307	29.0	12.8
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.

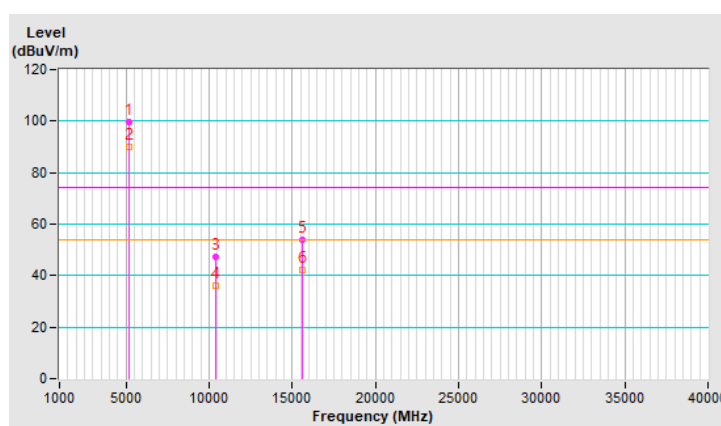


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	99.9 PK			1.63 H	360	97.0	2.9
2	*5200.00	90.0 AV			1.63 H	360	87.1	2.9
3	#10400.00	47.3 PK	74.0	-26.7	1.58 H	259	34.9	12.4
4	#10400.00	36.3 AV	54.0	-17.7	1.58 H	259	23.9	12.4
5	15600.00	53.8 PK	74.0	-20.2	1.50 H	314	40.6	13.2
6	15600.00	42.1 AV	54.0	-11.9	1.50 H	314	28.9	13.2
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

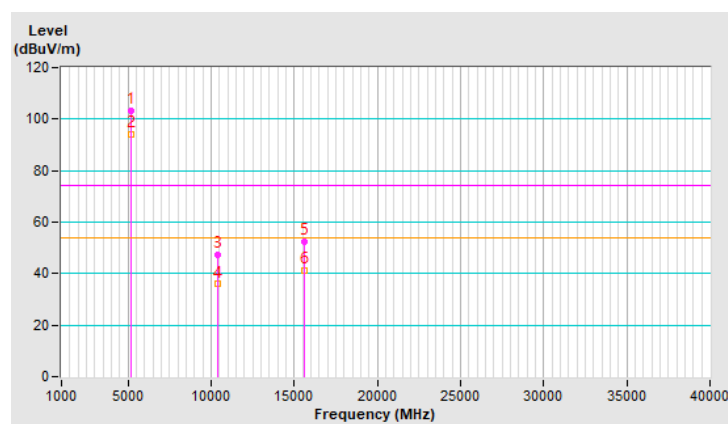


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	103.2 PK			2.10 V	148	100.3	2.9
2	*5200.00	93.9 AV			2.10 V	148	91.0	2.9
3	#10400.00	47.3 PK	74.0	-26.7	1.64 V	280	34.9	12.4
4	#10400.00	35.9 AV	54.0	-18.1	1.64 V	280	23.5	12.4
5	15600.00	52.5 PK	74.0	-21.5	1.42 V	308	39.3	13.2
6	15600.00	41.3 AV	54.0	-12.7	1.42 V	308	28.1	13.2
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

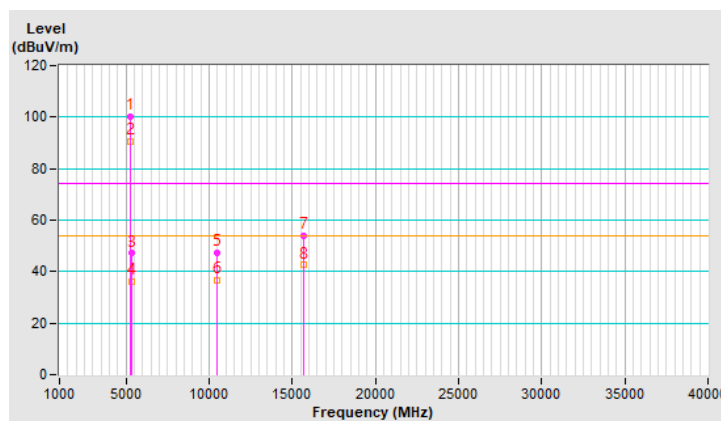


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	100.3 PK			1.56 H	351	97.6	2.7
2	*5240.00	90.5 AV			1.56 H	351	87.8	2.7
3	5350.00	47.1 PK	74.0	-26.9	1.56 H	351	44.3	2.8
4	5350.00	36.1 AV	54.0	-17.9	1.56 H	351	33.3	2.8
5	#10480.00	47.5 PK	74.0	-26.5	1.48 H	255	34.8	12.7
6	#10480.00	36.6 AV	54.0	-17.4	1.48 H	255	23.9	12.7
7	15720.00	53.8 PK	74.0	-20.2	1.41 H	318	41.5	12.3
8	15720.00	42.5 AV	54.0	-11.5	1.41 H	318	30.2	12.3
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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



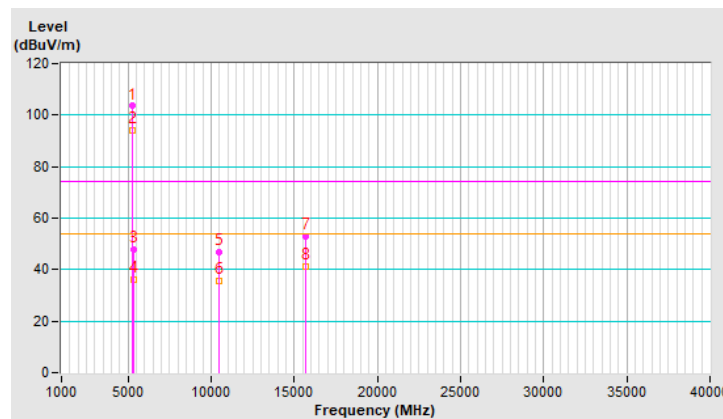
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	103.5 PK			2.05 V	150	100.8	2.7
2	*5240.00	94.2 AV			2.05 V	150	91.5	2.7
3	5350.00	47.8 PK	74.0	-26.2	2.05 V	150	45.0	2.8
4	5350.00	36.3 AV	54.0	-17.7	2.05 V	150	33.5	2.8
5	#10480.00	46.9 PK	74.0	-27.1	1.56 V	284	34.2	12.7
6	#10480.00	35.7 AV	54.0	-18.3	1.56 V	284	23.0	12.7
7	15720.00	53.0 PK	74.0	-21.0	1.47 V	307	40.7	12.3
8	15720.00	41.4 AV	54.0	-12.6	1.47 V	307	29.1	12.3
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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

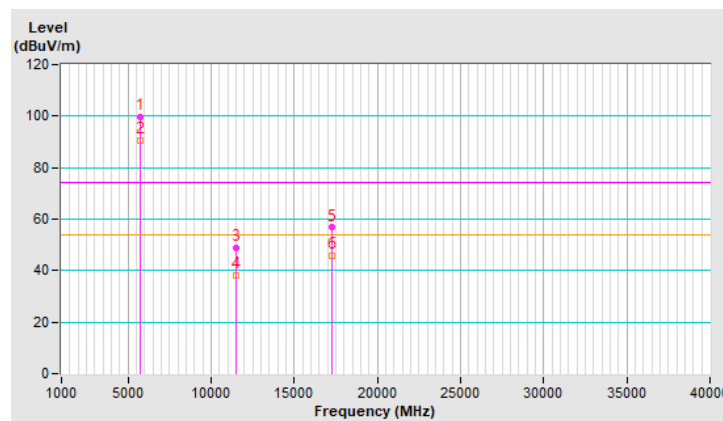


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.9 PK			1.55 H	346	96.5	3.4
2	*5745.00	90.6 AV			1.55 H	346	87.2	3.4
3	11490.00	48.8 PK	74.0	-25.2	1.51 H	337	36.1	12.7
4	11490.00	38.3 AV	54.0	-15.7	1.51 H	337	25.6	12.7
5	#17235.00	56.7 PK	74.0	-17.3	1.50 H	264	41.0	15.7
6	#17235.00	45.8 AV	54.0	-8.2	1.50 H	264	30.1	15.7
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.

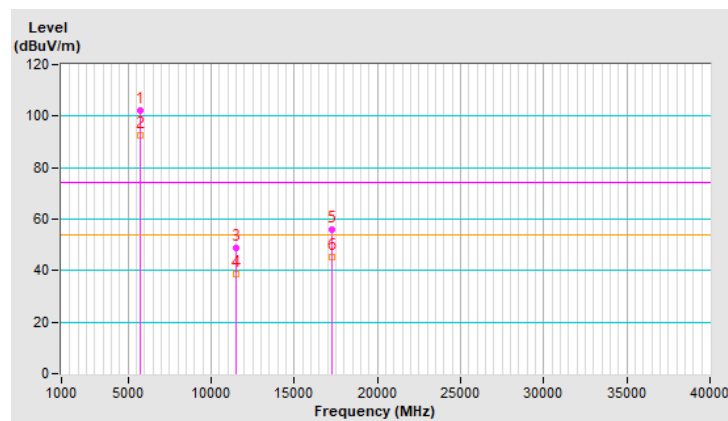


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	102.3 PK			2.16 V	168	98.9	3.4
2	*5745.00	92.6 AV			2.16 V	168	89.2	3.4
3	11490.00	49.0 PK	74.0	-25.0	1.60 V	285	36.3	12.7
4	11490.00	38.7 AV	54.0	-15.3	1.60 V	285	26.0	12.7
5	#17235.00	56.1 PK	74.0	-17.9	1.36 V	316	40.4	15.7
6	#17235.00	45.4 AV	54.0	-8.6	1.36 V	316	29.7	15.7
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.

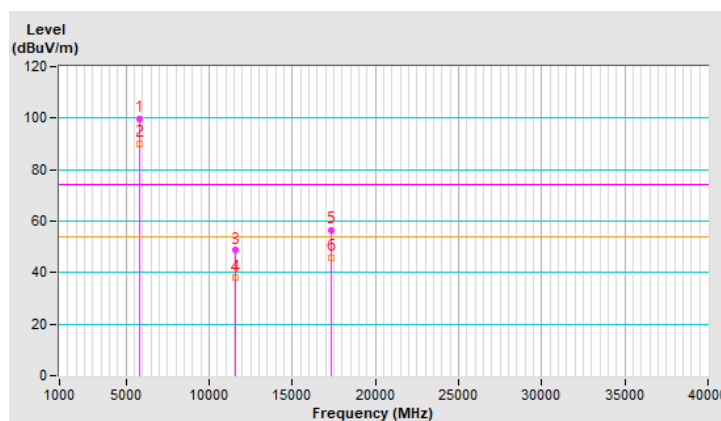


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.5 PK			1.63 H	360	95.9	3.6
2	*5785.00	90.2 AV			1.63 H	360	86.6	3.6
3	11570.00	48.6 PK	74.0	-25.4	1.54 H	338	35.7	12.9
4	11570.00	37.9 AV	54.0	-16.1	1.54 H	338	25.0	12.9
5	#17355.00	56.6 PK	74.0	-17.4	1.48 H	277	40.1	16.5
6	#17355.00	45.8 AV	54.0	-8.2	1.48 H	277	29.3	16.5
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.

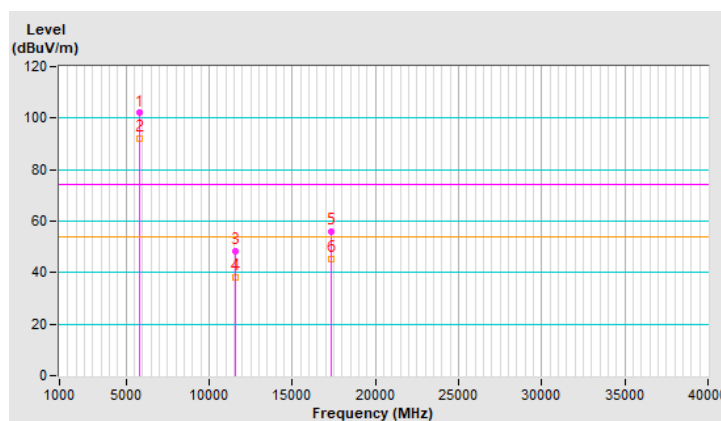


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	102.0 PK			2.07 V	172	98.4	3.6
2	*5785.00	92.1 AV			2.07 V	172	88.5	3.6
3	11570.00	48.3 PK	74.0	-25.7	1.65 V	275	35.4	12.9
4	11570.00	38.3 AV	54.0	-15.7	1.65 V	275	25.4	12.9
5	#17355.00	56.1 PK	74.0	-17.9	1.41 V	326	39.6	16.5
6	#17355.00	45.1 AV	54.0	-8.9	1.41 V	326	28.6	16.5
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.

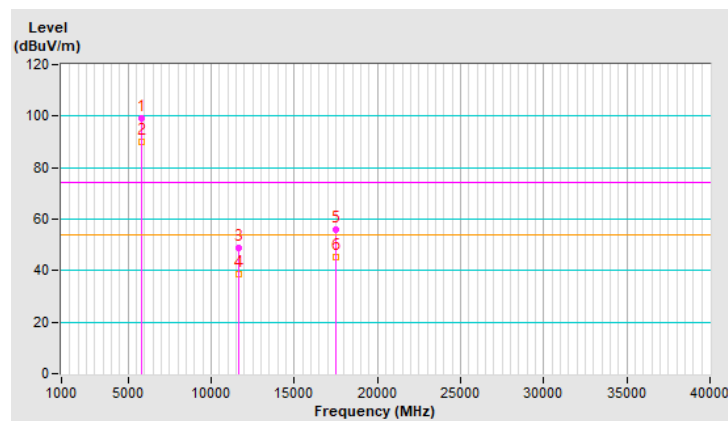


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.2 PK			1.59 H	346	95.5	3.7
2	*5825.00	90.1 AV			1.59 H	346	86.4	3.7
3	11650.00	49.0 PK	74.0	-25.0	1.54 H	339	36.1	12.9
4	11650.00	38.7 AV	54.0	-15.3	1.54 H	339	25.8	12.9
5	#17475.00	56.1 PK	74.0	-17.9	1.49 H	266	38.2	17.9
6	#17475.00	45.4 AV	54.0	-8.6	1.49 H	266	27.5	17.9
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.

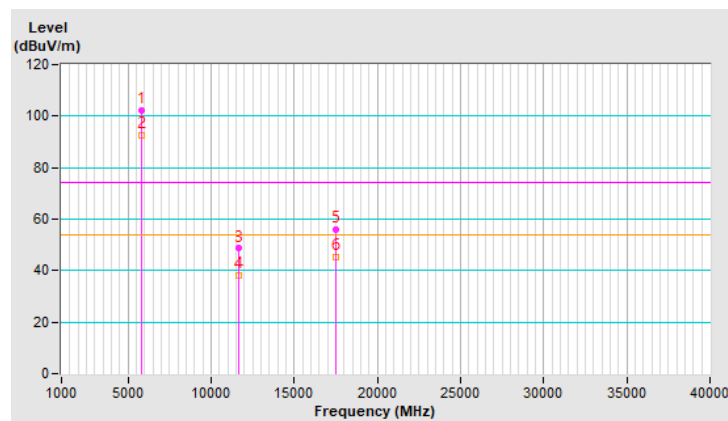


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	102.2 PK			2.06 V	177	98.5	3.7
2	*5825.00	92.4 AV			2.06 V	177	88.7	3.7
3	11650.00	48.6 PK	74.0	-25.4	1.58 V	283	35.7	12.9
4	11650.00	38.3 AV	54.0	-15.7	1.58 V	283	25.4	12.9
5	#17475.00	55.9 PK	74.0	-18.1	1.38 V	318	38.0	17.9
6	#17475.00	45.2 AV	54.0	-8.8	1.38 V	318	27.3	17.9
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.



802.11n (HT20)

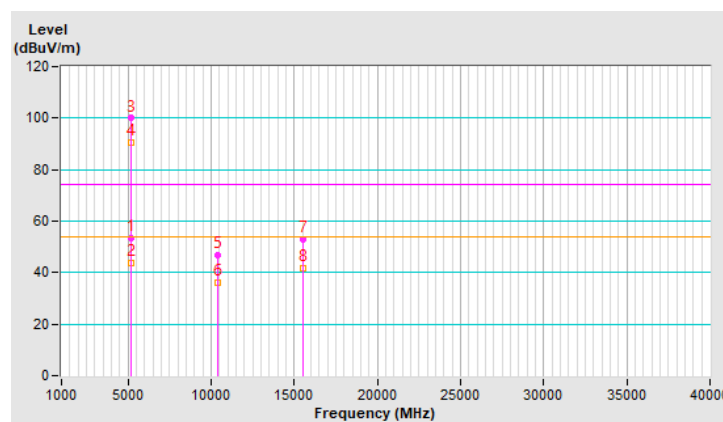
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	53.5 PK	74.0	-20.5	1.52 H	360	50.5	3.0
2	5150.00	43.6 AV	54.0	-10.4	1.52 H	360	40.6	3.0
3	*5180.00	100.0 PK			1.52 H	360	97.0	3.0
4	*5180.00	90.5 AV			1.52 H	360	87.5	3.0
5	#10360.00	46.8 PK	74.0	-27.2	1.51 H	254	34.6	12.2
6	#10360.00	36.2 AV	54.0	-17.8	1.51 H	254	24.0	12.2
7	15540.00	53.1 PK	74.0	-20.9	1.51 H	304	40.3	12.8
8	15540.00	41.8 AV	54.0	-12.2	1.51 H	304	29.0	12.8
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.

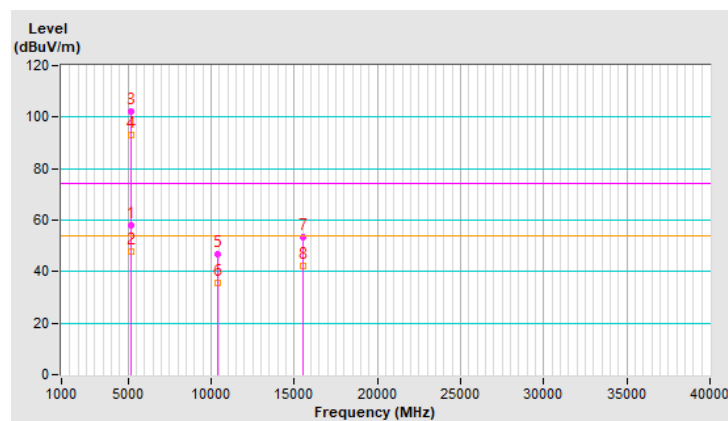


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	57.9 PK	74.0	-16.1	2.09 V	158	54.9	3.0
2	5150.00	48.0 AV	54.0	-6.0	2.09 V	158	45.0	3.0
3	*5180.00	102.3 PK			2.09 V	158	99.3	3.0
4	*5180.00	93.1 AV			2.09 V	158	90.1	3.0
5	#10360.00	46.8 PK	74.0	-27.2	1.57 V	263	34.6	12.2
6	#10360.00	35.6 AV	54.0	-18.4	1.57 V	263	23.4	12.2
7	15540.00	53.3 PK	74.0	-20.7	1.43 V	302	40.5	12.8
8	15540.00	42.2 AV	54.0	-11.8	1.43 V	302	29.4	12.8
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.



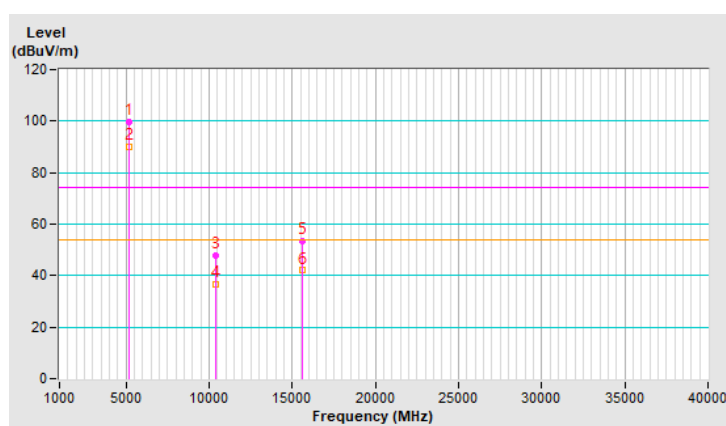
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	99.7 PK			1.53 H	352	96.8	2.9
2	*5200.00	90.0 AV			1.53 H	352	87.1	2.9
3	#10400.00	47.7 PK	74.0	-26.3	1.58 H	272	35.3	12.4
4	#10400.00	36.6 AV	54.0	-17.4	1.58 H	272	24.2	12.4
5	15600.00	53.4 PK	74.0	-20.6	1.49 H	306	40.2	13.2
6	15600.00	42.0 AV	54.0	-12.0	1.49 H	306	28.8	13.2
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

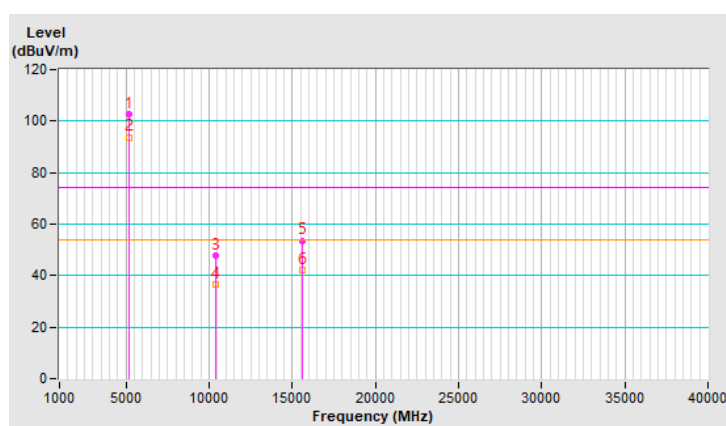


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	102.5 PK			2.12 V	169	99.6	2.9
2	*5200.00	93.7 AV			2.12 V	169	90.8	2.9
3	#10400.00	47.6 PK	74.0	-26.4	1.62 V	274	35.2	12.4
4	#10400.00	36.4 AV	54.0	-17.6	1.62 V	274	24.0	12.4
5	15600.00	53.6 PK	74.0	-20.4	1.48 V	308	40.4	13.2
6	15600.00	42.0 AV	54.0	-12.0	1.48 V	308	28.8	13.2
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

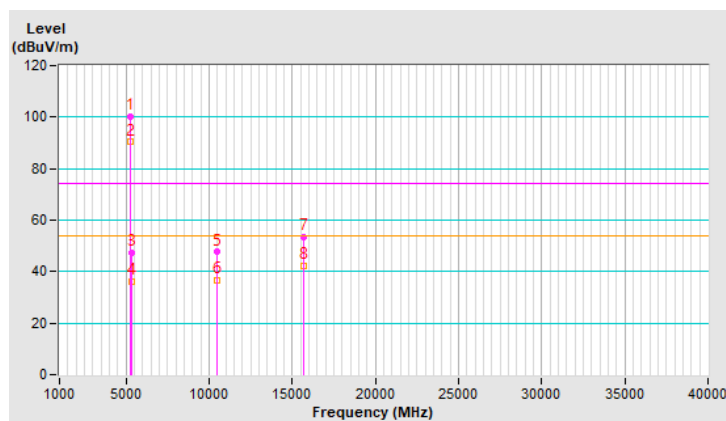


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	100.1 PK			1.57 H	344	97.4	2.7
2	*5240.00	90.3 AV			1.57 H	344	87.6	2.7
3	5350.00	47.3 PK	74.0	-26.7	1.57 H	344	44.5	2.8
4	5350.00	36.3 AV	54.0	-17.7	1.57 H	344	33.5	2.8
5	#10480.00	47.6 PK	74.0	-26.4	1.60 H	268	34.9	12.7
6	#10480.00	36.5 AV	54.0	-17.5	1.60 H	268	23.8	12.7
7	15720.00	53.6 PK	74.0	-20.4	1.47 H	317	41.3	12.3
8	15720.00	42.1 AV	54.0	-11.9	1.47 H	317	29.8	12.3
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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

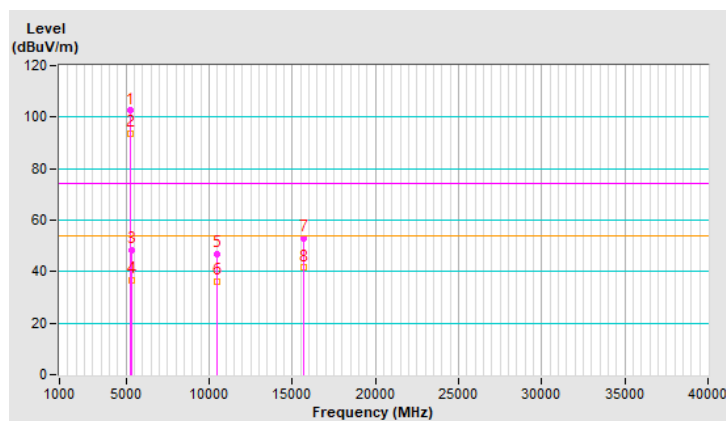


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	102.5 PK			2.12 V	152	99.8	2.7
2	*5240.00	93.5 AV			2.12 V	152	90.8	2.7
3	5350.00	48.2 PK	74.0	-25.8	2.12 V	152	45.4	2.8
4	5350.00	36.5 AV	54.0	-17.5	2.12 V	152	33.7	2.8
5	#10480.00	46.8 PK	74.0	-27.2	1.58 V	278	34.1	12.7
6	#10480.00	36.0 AV	54.0	-18.0	1.58 V	278	23.3	12.7
7	15720.00	52.8 PK	74.0	-21.2	1.42 V	311	40.5	12.3
8	15720.00	41.5 AV	54.0	-12.5	1.42 V	311	29.2	12.3
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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



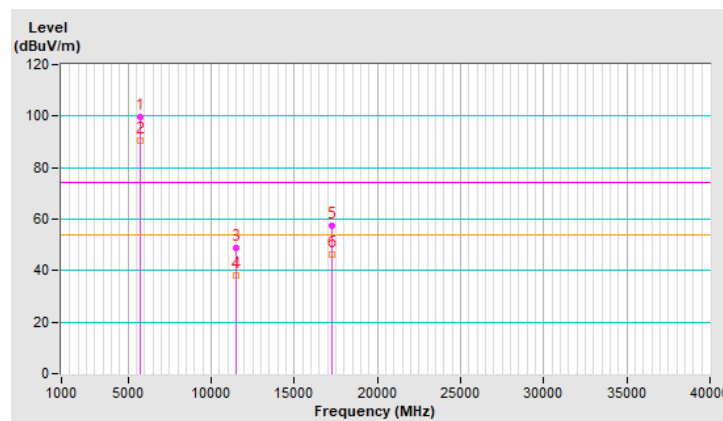
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.6 PK			1.62 H	360	96.2	3.4
2	*5745.00	90.5 AV			1.62 H	360	87.1	3.4
3	11490.00	48.7 PK	74.0	-25.3	1.53 H	351	36.0	12.7
4	11490.00	38.2 AV	54.0	-15.8	1.53 H	351	25.5	12.7
5	#17235.00	57.4 PK	74.0	-16.6	1.47 H	276	41.7	15.7
6	#17235.00	46.3 AV	54.0	-7.7	1.47 H	276	30.6	15.7
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.

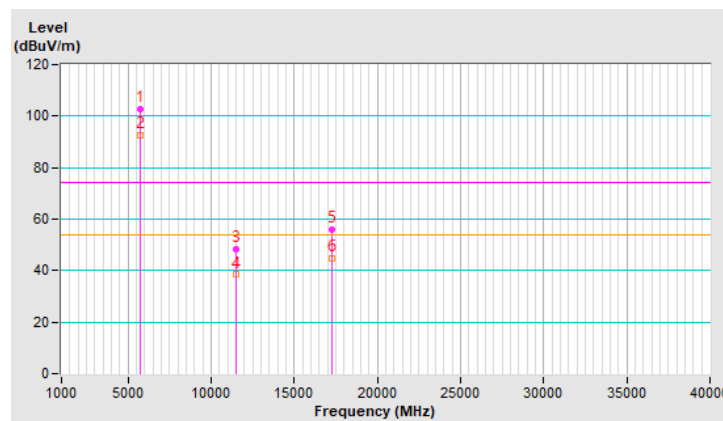


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	102.6 PK			2.06 V	173	99.2	3.4
2	*5745.00	92.5 AV			2.06 V	173	89.1	3.4
3	11490.00	48.5 PK	74.0	-25.5	1.61 V	297	35.8	12.7
4	11490.00	38.4 AV	54.0	-15.6	1.61 V	297	25.7	12.7
5	#17235.00	56.0 PK	74.0	-18.0	1.40 V	326	40.3	15.7
6	#17235.00	45.0 AV	54.0	-9.0	1.40 V	326	29.3	15.7
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.



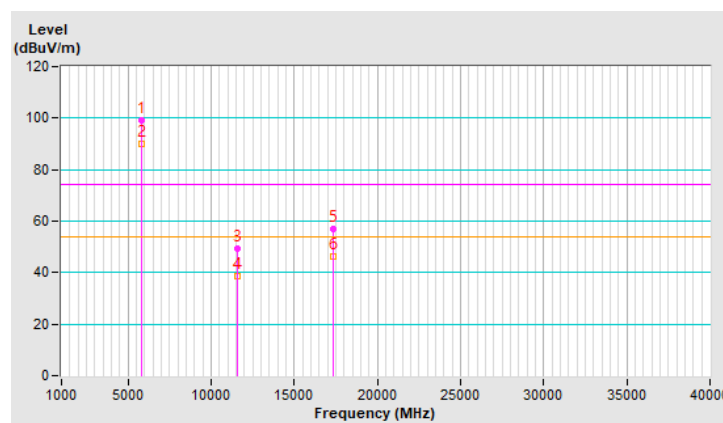
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	99.4 PK			1.63 H	342	95.8	3.6
2	*5785.00	90.2 AV			1.63 H	342	86.6	3.6
3	11570.00	49.2 PK	74.0	-24.8	1.49 H	340	36.3	12.9
4	11570.00	38.6 AV	54.0	-15.4	1.49 H	340	25.7	12.9
5	#17355.00	57.0 PK	74.0	-17.0	1.52 H	252	40.5	16.5
6	#17355.00	46.2 AV	54.0	-7.8	1.52 H	252	29.7	16.5
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.

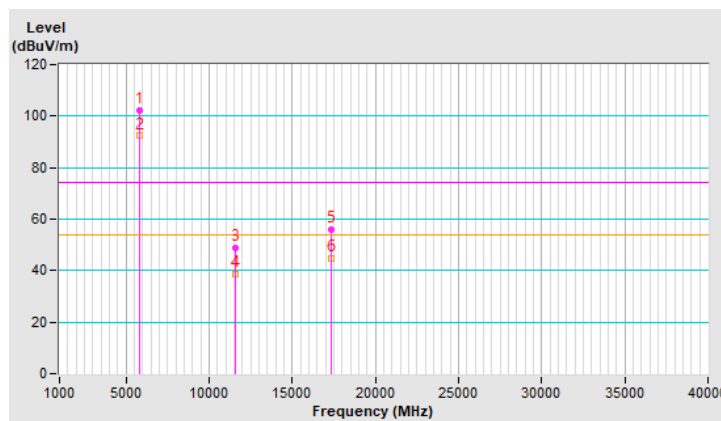


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	102.1 PK			2.06 V	169	98.5	3.6
2	*5785.00	92.3 AV			2.06 V	169	88.7	3.6
3	11570.00	48.9 PK	74.0	-25.1	1.61 V	285	36.0	12.9
4	11570.00	38.5 AV	54.0	-15.5	1.61 V	285	25.6	12.9
5	#17355.00	56.0 PK	74.0	-18.0	1.38 V	314	39.5	16.5
6	#17355.00	45.0 AV	54.0	-9.0	1.38 V	314	28.5	16.5
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.



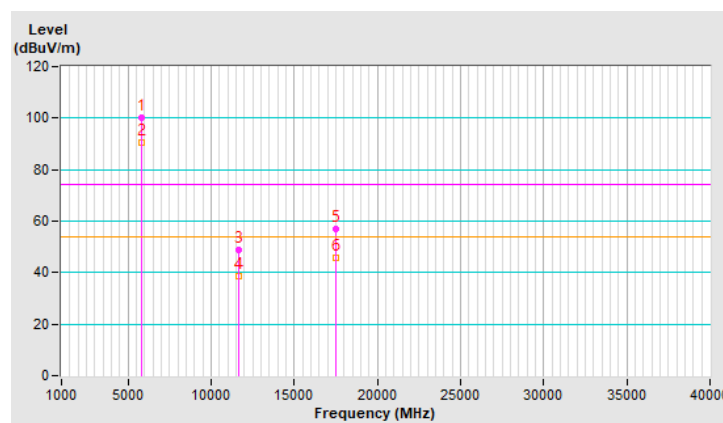
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	100.1 PK			1.54 H	360	96.4	3.7
2	*5825.00	90.6 AV			1.54 H	360	86.9	3.7
3	11650.00	49.0 PK	74.0	-25.0	1.52 H	347	36.1	12.9
4	11650.00	38.8 AV	54.0	-15.2	1.52 H	347	25.9	12.9
5	#17475.00	56.8 PK	74.0	-17.2	1.52 H	250	38.9	17.9
6	#17475.00	45.9 AV	54.0	-8.1	1.52 H	250	28.0	17.9
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.

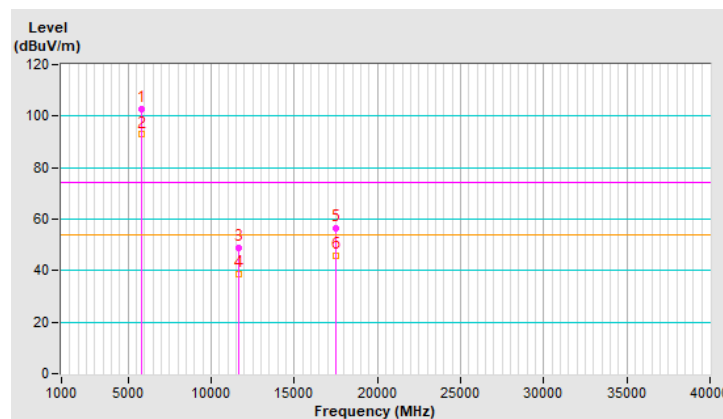


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	102.6 PK			2.12 V	164	98.9	3.7
2	*5825.00	92.8 AV			2.12 V	164	89.1	3.7
3	11650.00	48.9 PK	74.0	-25.1	1.64 V	279	36.0	12.9
4	11650.00	38.5 AV	54.0	-15.5	1.64 V	279	25.6	12.9
5	#17475.00	56.6 PK	74.0	-17.4	1.38 V	301	38.7	17.9
6	#17475.00	45.6 AV	54.0	-8.4	1.38 V	301	27.7	17.9
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.



802.11n (HT40)

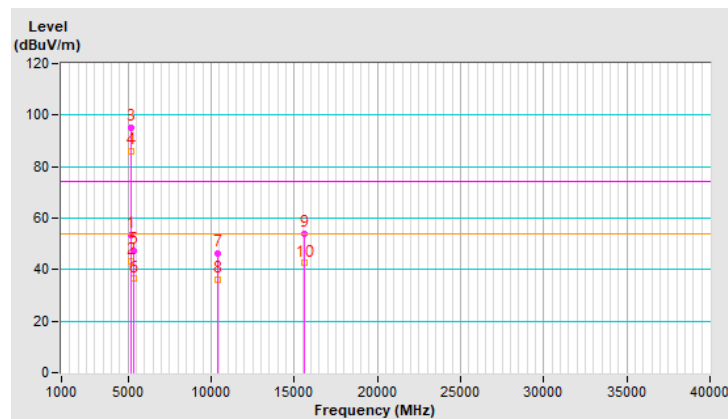
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38 : 5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	53.3 PK	74.0	-20.7	1.55 H	360	50.3	3.0
2	5150.00	43.2 AV	54.0	-10.8	1.55 H	360	40.2	3.0
3	*5190.00	95.1 PK			1.55 H	360	92.1	3.0
4	*5190.00	85.9 AV			1.55 H	360	82.9	3.0
5	5350.00	47.2 PK	74.0	-26.8	1.55 H	360	44.4	2.8
6	5350.00	36.4 AV	54.0	-17.6	1.55 H	360	33.6	2.8
7	#10380.00	46.5 PK	74.0	-27.5	1.53 H	250	34.3	12.2
8	#10380.00	36.0 AV	54.0	-18.0	1.53 H	250	23.8	12.2
9	15570.00	53.9 PK	74.0	-20.1	1.45 H	326	41.0	12.9
10	15570.00	42.5 AV	54.0	-11.5	1.45 H	326	29.6	12.9
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.

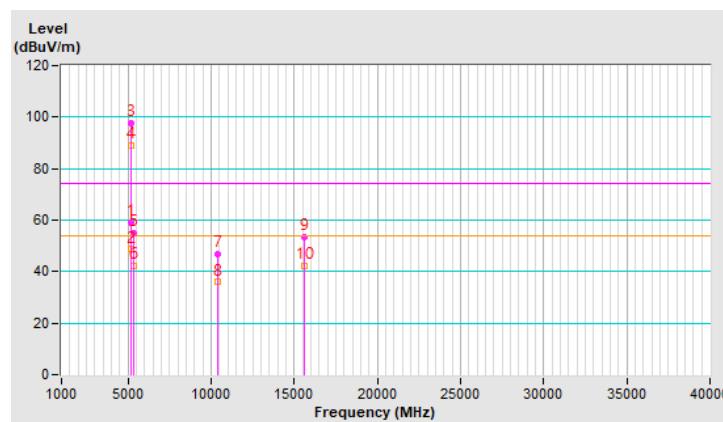


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	59.0 PK	74.0	-15.0	2.11 V	174	56.0	3.0
2	5150.00	48.6 AV	54.0	-5.4	2.11 V	174	45.6	3.0
3	*5190.00	97.8 PK			2.11 V	174	94.8	3.0
4	*5190.00	88.9 AV			2.11 V	174	85.9	3.0
5	5350.00	54.8 PK	74.0	-19.2	2.11 V	174	52.0	2.8
6	5350.00	42.4 AV	54.0	-11.6	2.11 V	174	39.6	2.8
7	#10380.00	46.8 PK	74.0	-27.2	1.59 V	280	34.6	12.2
8	#10380.00	35.9 AV	54.0	-18.1	1.59 V	280	23.7	12.2
9	15570.00	53.5 PK	74.0	-20.5	1.39 V	304	40.6	12.9
10	15570.00	42.2 AV	54.0	-11.8	1.39 V	304	29.3	12.9
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.



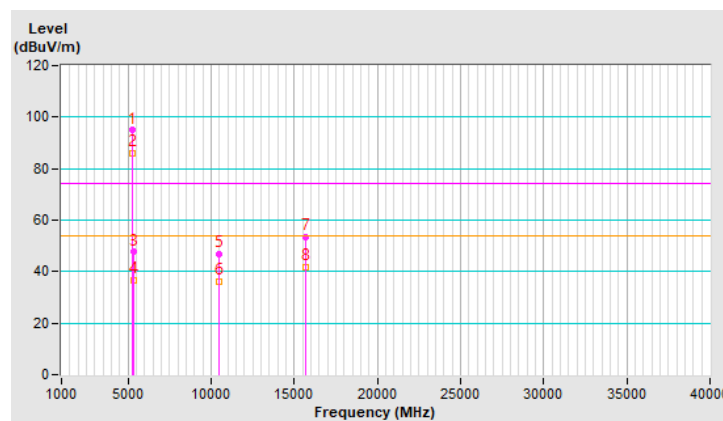
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	94.9 PK			1.61 H	340	92.2	2.7
2	*5230.00	86.0 AV			1.61 H	340	83.3	2.7
3	5350.00	47.6 PK	74.0	-26.4	1.61 H	340	44.8	2.8
4	5350.00	36.6 AV	54.0	-17.4	1.61 H	340	33.8	2.8
5	#10460.00	47.0 PK	74.0	-27.0	1.55 H	263	34.4	12.6
6	#10460.00	36.3 AV	54.0	-17.7	1.55 H	263	23.7	12.6
7	15690.00	53.4 PK	74.0	-20.6	1.48 H	308	40.8	12.6
8	15690.00	41.9 AV	54.0	-12.1	1.48 H	308	29.3	12.6
9	20920.00	-	-	-	-	-	-	-
10	#26150.00	-	-	-	-	-	-	-
11	31380.00	-	-	-	-	-	-	-
12	#36610.00	-	-	-	-	-	-	-

REMARKS:

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

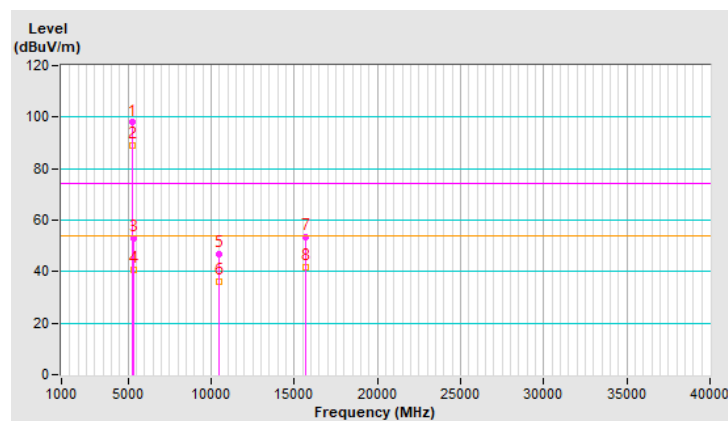


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5230.00	97.9 PK			2.13 V	153	95.2	2.7
2	*5230.00	89.0 AV			2.13 V	153	86.3	2.7
3	5350.00	52.9 PK	74.0	-21.1	2.13 V	153	50.1	2.8
4	5350.00	40.7 AV	54.0	-13.3	2.13 V	153	37.9	2.8
5	#10460.00	47.0 PK	74.0	-27.0	1.56 V	286	34.4	12.6
6	#10460.00	36.0 AV	54.0	-18.0	1.56 V	286	23.4	12.6
7	15690.00	53.5 PK	74.0	-20.5	1.40 V	298	40.9	12.6
8	15690.00	41.9 AV	54.0	-12.1	1.40 V	298	29.3	12.6
9	20920.00	-	-	-	-	-	-	-
10	#26150.00	-	-	-	-	-	-	-
11	31380.00	-	-	-	-	-	-	-
12	#36610.00	-	-	-	-	-	-	-

REMARKS:

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



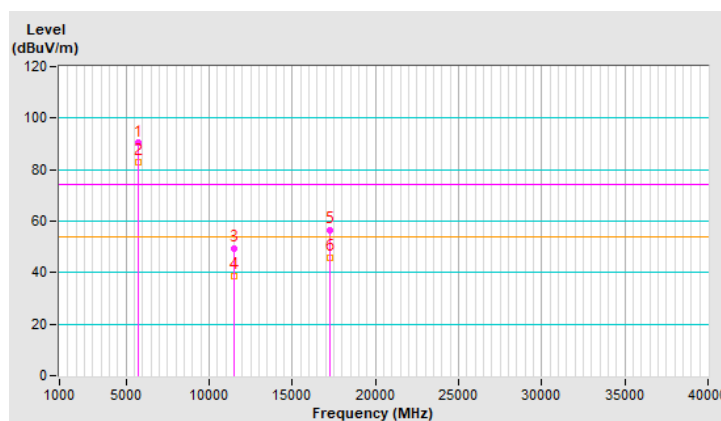
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	90.3 PK			1.56 H	360	86.8	3.5
2	*5755.00	83.1 AV			1.56 H	360	79.6	3.5
3	11510.00	49.3 PK	74.0	-24.7	1.47 H	352	36.6	12.7
4	11510.00	38.6 AV	54.0	-15.4	1.47 H	352	25.9	12.7
5	#17265.00	56.3 PK	74.0	-17.7	1.50 H	259	40.5	15.8
6	#17265.00	45.6 AV	54.0	-8.4	1.50 H	259	29.8	15.8
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.

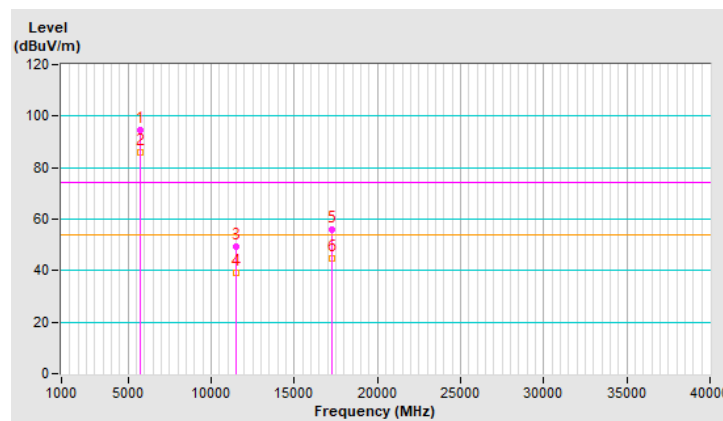


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	94.7 PK			2.09 V	174	91.2	3.5
2	*5755.00	86.1 AV			2.09 V	174	82.6	3.5
3	11510.00	49.5 PK	74.0	-24.5	1.54 V	289	36.8	12.7
4	11510.00	39.1 AV	54.0	-14.9	1.54 V	289	26.4	12.7
5	#17265.00	55.8 PK	74.0	-18.2	1.38 V	315	40.0	15.8
6	#17265.00	45.0 AV	54.0	-9.0	1.38 V	315	29.2	15.8
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.



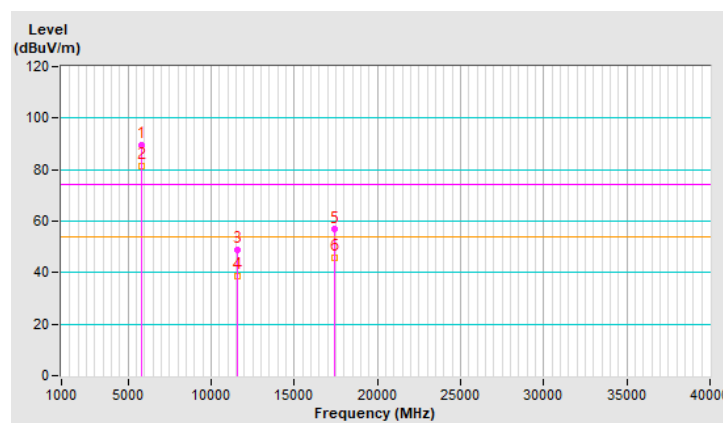
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	89.7 PK			1.63 H	360	86.2	3.5
2	*5795.00	81.4 AV			1.63 H	360	77.9	3.5
3	11590.00	48.9 PK	74.0	-25.1	1.47 H	332	35.9	13.0
4	11590.00	38.5 AV	54.0	-15.5	1.47 H	332	25.5	13.0
5	#17385.00	56.7 PK	74.0	-17.3	1.45 H	276	40.0	16.7
6	#17385.00	45.7 AV	54.0	-8.3	1.45 H	276	29.0	16.7
7	#23180.00	-	-	-	-	-	-	-
8	#28975.00	-	-	-	-	-	-	-
9	#34770.00	-	-	-	-	-	-	-

REMARKS:

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



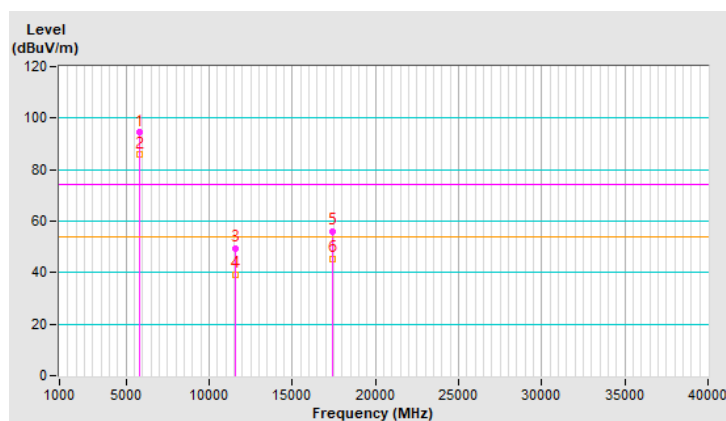
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	94.4 PK			2.07 V	163	90.9	3.5
2	*5795.00	85.7 AV			2.07 V	163	82.2	3.5
3	11590.00	49.5 PK	74.0	-24.5	1.57 V	286	36.5	13.0
4	11590.00	39.0 AV	54.0	-15.0	1.57 V	286	26.0	13.0
5	#17385.00	55.9 PK	74.0	-18.1	1.35 V	307	39.2	16.7
6	#17385.00	45.2 AV	54.0	-8.8	1.35 V	307	28.5	16.7
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)

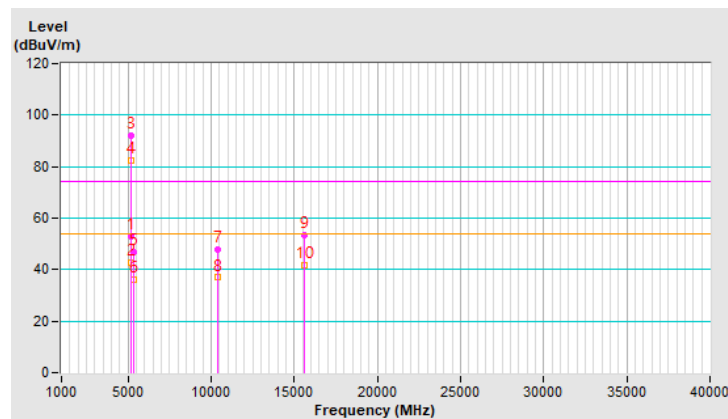
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	53.0 PK	74.0	-21.0	1.55 H	360	50.0	3.0
2	5150.00	42.9 AV	54.0	-11.1	1.55 H	360	39.9	3.0
3	*5210.00	91.9 PK			1.55 H	360	89.0	2.9
4	*5210.00	82.4 AV			1.55 H	360	79.5	2.9
5	5350.00	46.9 PK	74.0	-27.1	1.55 H	360	44.1	2.8
6	5350.00	36.0 AV	54.0	-18.0	1.55 H	360	33.2	2.8
7	#10420.00	47.8 PK	74.0	-26.2	1.52 H	266	35.3	12.5
8	#10420.00	36.9 AV	54.0	-17.1	1.52 H	266	24.4	12.5
9	15630.00	53.3 PK	74.0	-20.7	1.41 H	311	40.3	13.0
10	15630.00	41.8 AV	54.0	-12.2	1.41 H	311	28.8	13.0
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.

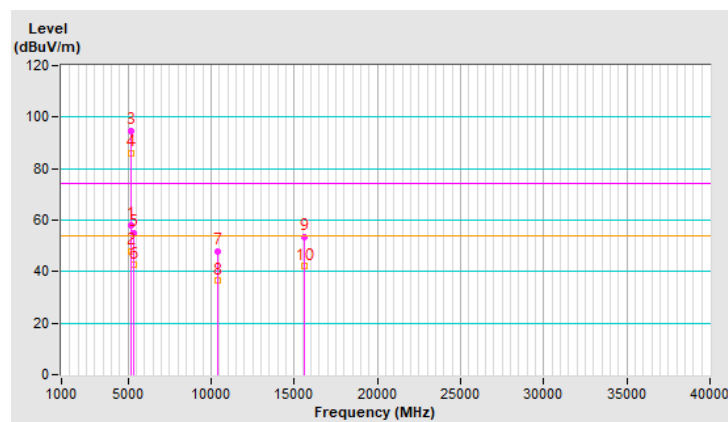


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	58.2 PK	74.0	-15.8	2.05 V	161	55.2	3.0
2	5150.00	47.9 AV	54.0	-6.1	2.05 V	161	44.9	3.0
3	*5210.00	94.6 PK			2.05 V	161	91.7	2.9
4	*5210.00	85.9 AV			2.05 V	161	83.0	2.9
5	5350.00	54.9 PK	74.0	-19.1	2.05 V	161	52.1	2.8
6	5350.00	42.5 AV	54.0	-11.5	2.05 V	161	39.7	2.8
7	#10420.00	47.7 PK	74.0	-26.3	1.54 V	289	35.2	12.5
8	#10420.00	36.4 AV	54.0	-17.6	1.54 V	289	23.9	12.5
9	15630.00	53.4 PK	74.0	-20.6	1.41 V	308	40.4	13.0
10	15630.00	42.0 AV	54.0	-12.0	1.41 V	308	29.0	13.0
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.

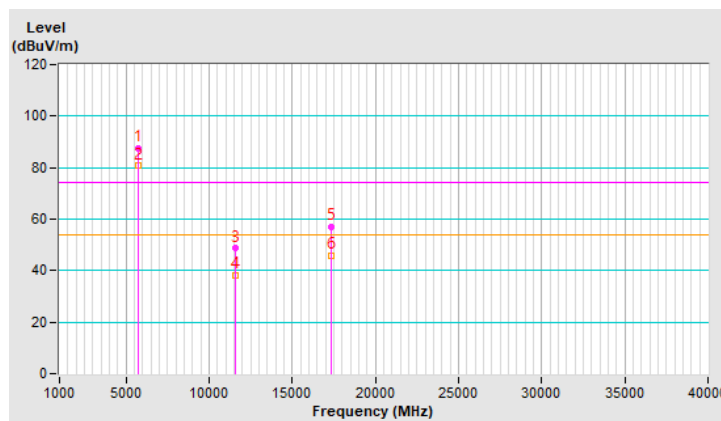


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	87.3 PK			1.61 H	355	83.8	3.5
2	*5775.00	80.6 AV			1.61 H	355	77.1	3.5
3	11550.00	48.6 PK	74.0	-25.4	1.56 H	336	35.7	12.9
4	11550.00	38.0 AV	54.0	-16.0	1.56 H	336	25.1	12.9
5	#17325.00	56.8 PK	74.0	-17.2	1.51 H	250	40.7	16.1
6	#17325.00	45.9 AV	54.0	-8.1	1.51 H	250	29.8	16.1
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.

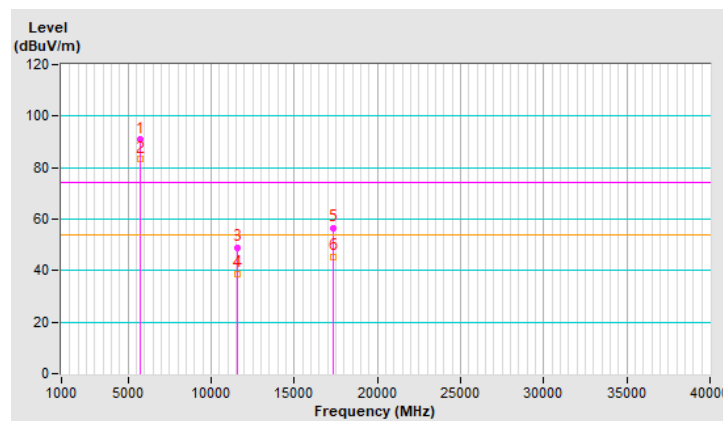


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	90.8 PK			2.05 V	155	87.3	3.5
2	*5775.00	83.2 AV			2.05 V	155	79.7	3.5
3	11550.00	48.7 PK	74.0	-25.3	1.66 V	293	35.8	12.9
4	11550.00	38.6 AV	54.0	-15.4	1.66 V	293	25.7	12.9
5	#17325.00	56.5 PK	74.0	-17.5	1.33 V	319	40.4	16.1
6	#17325.00	45.5 AV	54.0	-8.5	1.33 V	319	29.4	16.1
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.



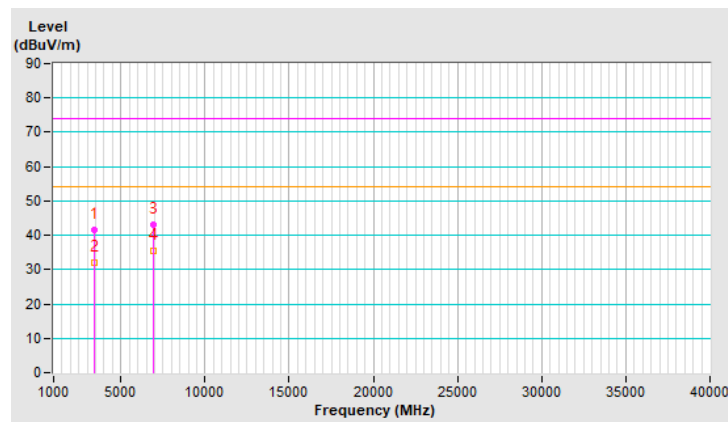
9.6.2 接收諧波

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：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.6 PK	74.0	-32.4	1.90 H	59	42.5	-0.9
2	3453.33	32.1 AV	54.0	-21.9	1.90 H	59	33.0	-0.9
3	6906.67	43.2 PK	74.0	-30.8	3.05 H	212	36.2	7.0
4	6906.67	35.5 AV	54.0	-18.5	3.05 H	212	28.5	7.0

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

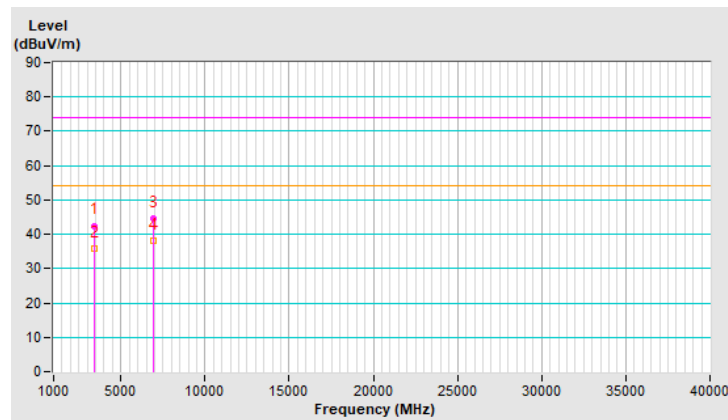


操作模式：	接收		
基本波頻率：	CH 36 : 5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	42.5 PK	74.0	-31.5	2.40 V	219	43.4	-0.9
2	3453.33	35.7 AV	54.0	-18.3	2.40 V	219	36.6	-0.9
3	6906.67	44.7 PK	74.0	-29.3	2.60 V	25	37.7	7.0
4	6906.67	38.2 AV	54.0	-15.8	2.60 V	25	31.2	7.0

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

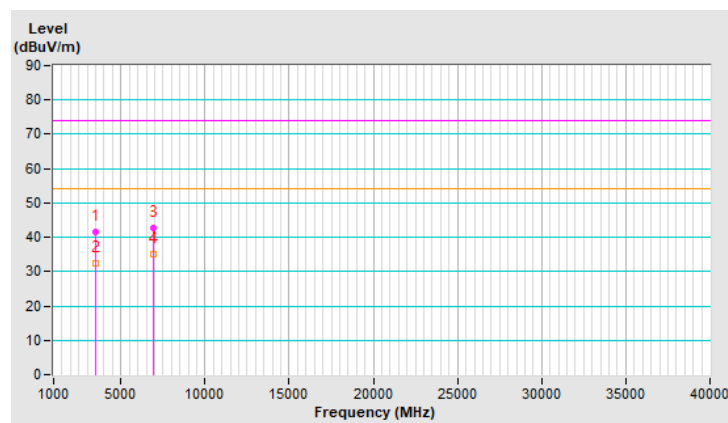


操作模式：	接收		
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.5 PK	74.0	-32.5	1.93 H	59	42.3	-0.8
2	3466.67	32.5 AV	54.0	-21.5	1.93 H	59	33.3	-0.8
3	6933.33	42.6 PK	74.0	-31.4	3.04 H	214	35.6	7.0
4	6933.33	35.0 AV	54.0	-19.0	3.04 H	214	28.0	7.0

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

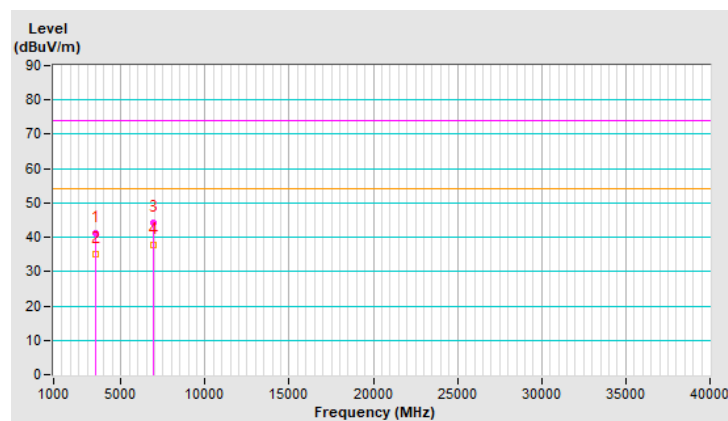


操作模式：	接收		
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.3 PK	74.0	-32.7	2.43 V	195	42.1	-0.8
2	3466.67	35.0 AV	54.0	-19.0	2.43 V	195	35.8	-0.8
3	6933.33	44.2 PK	74.0	-29.8	2.54 V	7	37.2	7.0
4	6933.33	37.9 AV	54.0	-16.1	2.54 V	7	30.9	7.0

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

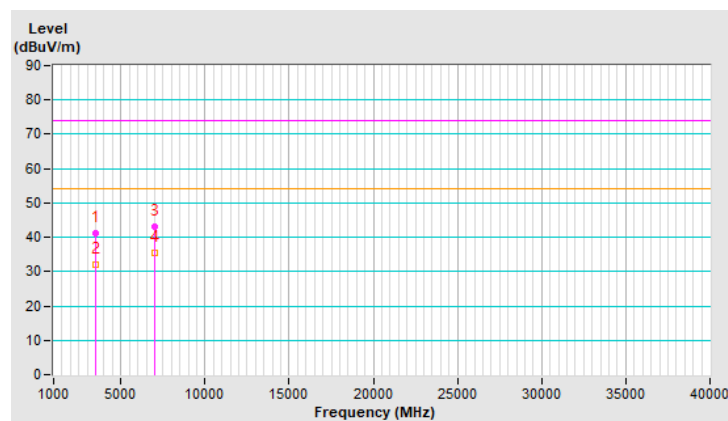


操作模式：	接收		
基本波頻率：	CH 48 : 5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.1 PK	74.0	-32.9	1.96 H	65	41.8	-0.7
2	3493.33	32.1 AV	54.0	-21.9	1.96 H	65	32.8	-0.7
3	6986.67	43.0 PK	74.0	-31.0	3.00 H	229	35.5	7.5
4	6986.67	35.5 AV	54.0	-18.5	3.00 H	229	28.0	7.5

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

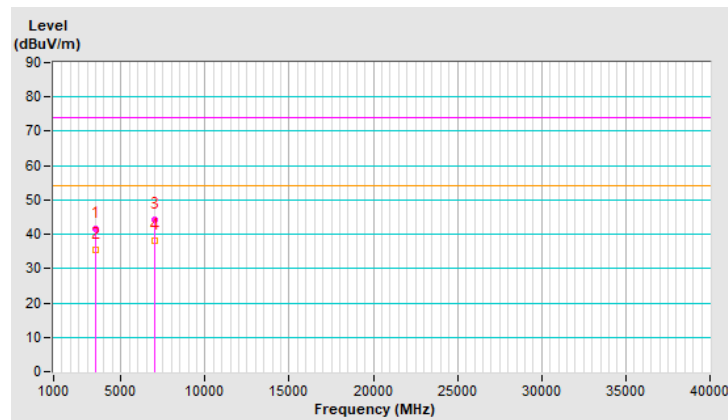


操作模式：	接收		
基本波頻率：	CH 48 : 5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.7 PK	74.0	-32.3	2.40 V	206	42.4	-0.7
2	3493.33	35.3 AV	54.0	-18.7	2.40 V	206	36.0	-0.7
3	6986.67	44.3 PK	74.0	-29.7	2.56 V	21	36.8	7.5
4	6986.67	38.0 AV	54.0	-16.0	2.56 V	21	30.5	7.5

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



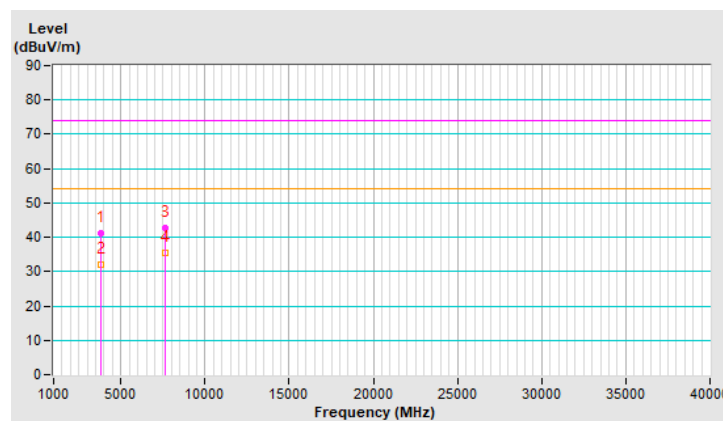
操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.2 PK	74.0	-32.8	1.94 H	43	40.9	0.3
2	3830.00	31.9 AV	54.0	-22.1	1.94 H	43	31.6	0.3
3	7660.00	42.8 PK	74.0	-31.2	2.96 H	223	34.5	8.3
4	7660.00	35.6 AV	54.0	-18.4	2.96 H	223	27.3	8.3

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



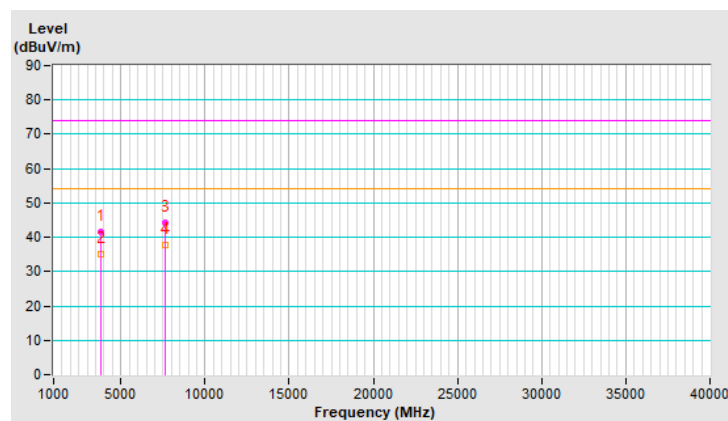
操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.7 PK	74.0	-32.3	2.37 V	219	41.4	0.3
2	3830.00	35.1 AV	54.0	-18.9	2.37 V	219	34.8	0.3
3	7660.00	44.2 PK	74.0	-29.8	2.61 V	31	35.9	8.3
4	7660.00	37.6 AV	54.0	-16.4	2.61 V	31	29.3	8.3

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



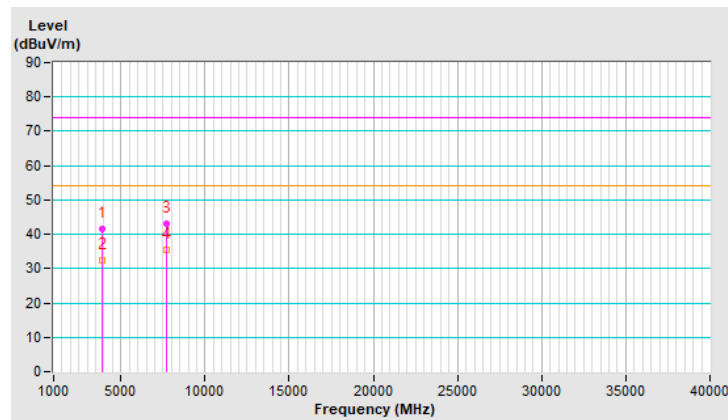
操作模式：	接收		
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	41.5 PK	74.0	-32.5	1.89 H	68	41.1	0.4
2	3856.67	32.4 AV	54.0	-21.6	1.89 H	68	32.0	0.4
3	7713.33	43.1 PK	74.0	-30.9	3.03 H	211	35.0	8.1
4	7713.33	35.6 AV	54.0	-18.4	3.03 H	211	27.5	8.1

REMARKS:

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



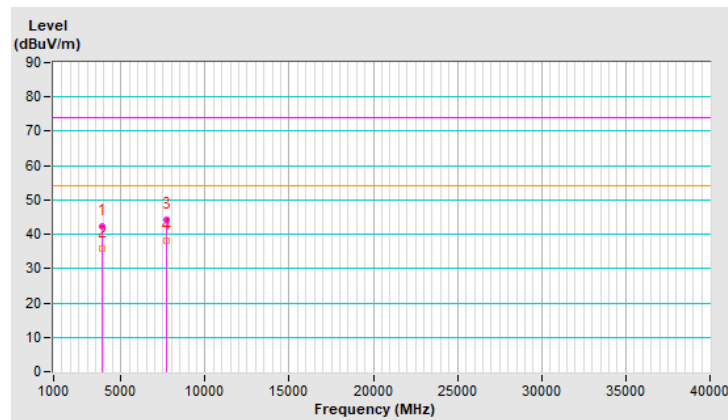
操作模式：	接收		
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	42.4 PK	74.0	-31.6	2.39 V	224	42.0	0.4
2	3856.67	35.8 AV	54.0	-18.2	2.39 V	224	35.4	0.4
3	7713.33	44.3 PK	74.0	-29.7	2.57 V	25	36.2	8.1
4	7713.33	38.2 AV	54.0	-15.8	2.57 V	25	30.1	8.1

REMARKS:

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

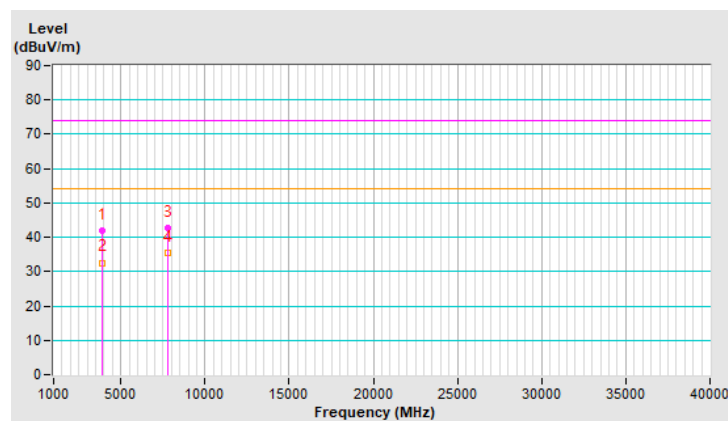


操作模式：	接收		
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	42.0 PK	74.0	-32.0	1.93 H	51	41.6	0.4
2	3883.33	32.6 AV	54.0	-21.4	1.93 H	51	32.2	0.4
3	7766.67	42.8 PK	74.0	-31.2	3.06 H	235	34.6	8.2
4	7766.67	35.5 AV	54.0	-18.5	3.06 H	235	27.3	8.2

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

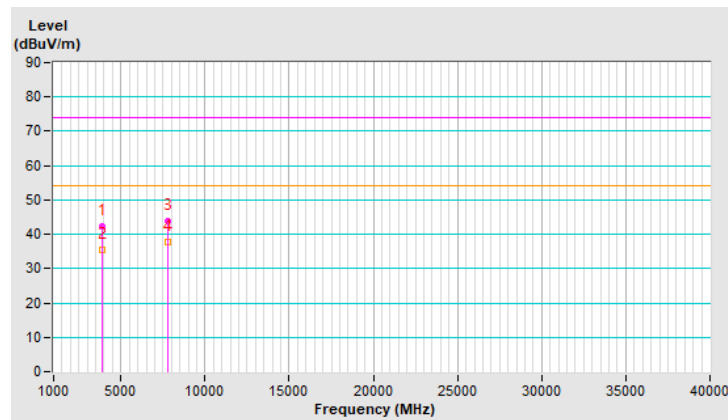


操作模式：	接收		
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	42.4 PK	74.0	-31.6	2.44 V	218	42.0	0.4
2	3883.33	35.6 AV	54.0	-18.4	2.44 V	218	35.2	0.4
3	7766.67	43.7 PK	74.0	-30.3	2.55 V	17	35.5	8.2
4	7766.67	37.7 AV	54.0	-16.3	2.55 V	17	29.5	8.2

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

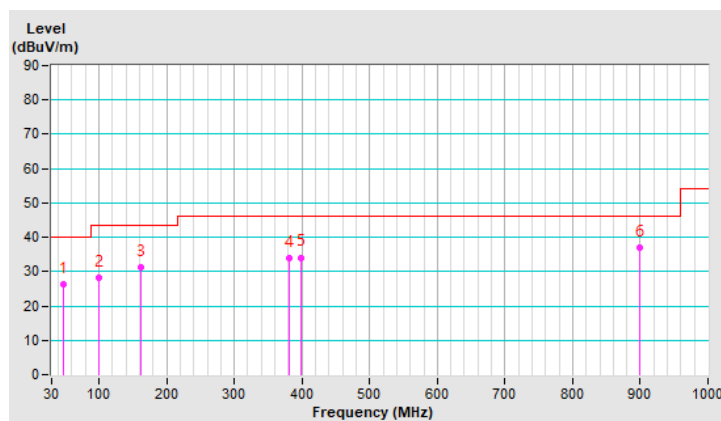
802.11a

操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	46.54	26.4 QP	40.0	-13.6	1.44 H	34	34.4	-8.0
2	99.65	28.1 QP	43.5	-15.4	1.58 H	21	40.5	-12.4
3	162.33	31.4 QP	43.5	-12.1	1.85 H	72	39.4	-8.0
4	380.65	34.0 QP	46.0	-12.0	1.36 H	63	38.8	-4.8
5	397.88	34.1 QP	46.0	-11.9	1.45 H	58	38.6	-4.5
6	899.65	37.1 QP	46.0	-8.9	1.99 H	304	32.1	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 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.



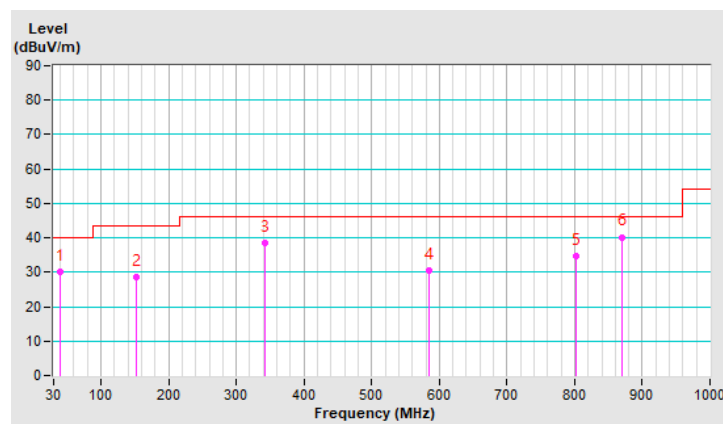
操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	39.75	30.2 QP	40.0	-9.8	1.22 V	33	38.5	-8.3
2	151.34	28.6 QP	43.5	-14.9	1.44 V	64	36.1	-7.5
3	341.65	38.6 QP	46.0	-7.4	2.45 V	88	44.4	-5.8
4	584.21	30.6 QP	46.0	-15.4	1.95 V	65	30.7	-0.1
5	801.32	34.7 QP	46.0	-11.3	2.00 V	135	31.0	3.7
6	869.78	40.2 QP	46.0	-5.8	2.19 V	101	35.7	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 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 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

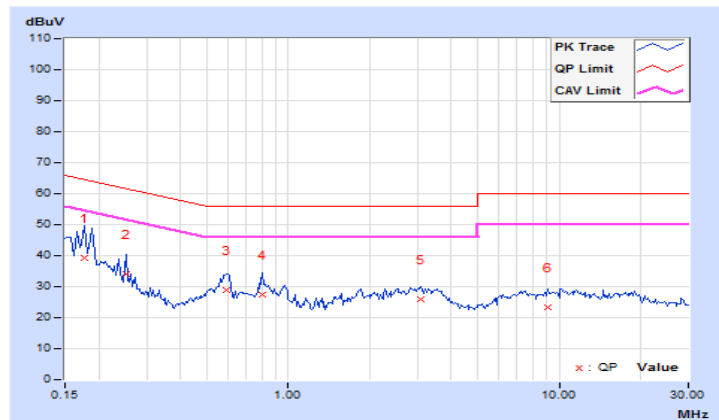
10.6 量測結果

操作模式	發射	測試日期	107 年 6 月 01 日
基本波頻率	CH 165: 5825MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%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.
0.17734	10.05	29.03	19.42	39.08	29.47	64.61	54.61	-25.53	-25.14
0.25156	10.07	23.95	5.79	34.02	15.86	61.71	51.71	-27.69	-35.85
0.59531	10.12	18.60	10.17	28.72	20.29	56.00	46.00	-27.28	-25.71
0.79844	10.14	17.37	5.36	27.51	15.50	56.00	46.00	-28.49	-30.50
3.10156	10.23	15.74	10.45	25.97	20.68	56.00	46.00	-30.03	-25.32
9.08984	10.50	13.00	7.76	23.50	18.26	60.00	50.00	-36.50	-31.74

Remarks:

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

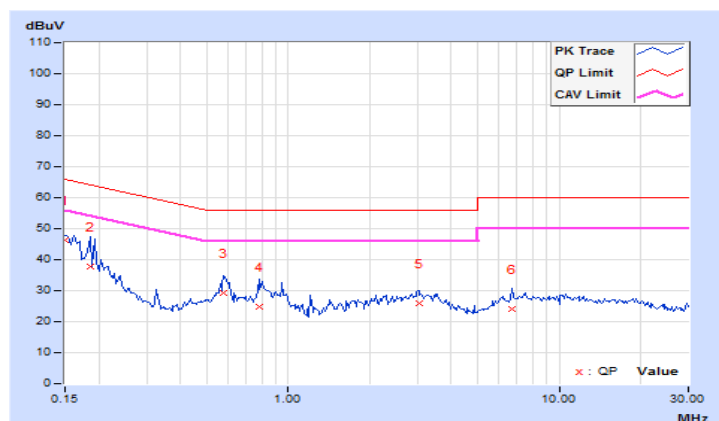


操作模式	發射	測試日期	107 年 6 月 01 日
基本波頻率	CH 165: 5825MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	何欣儒		

		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	36.19	23.59	46.13	33.53	66.00	56.00	-19.87	-22.47
0.18516	9.96	27.92	15.45	37.88	25.41	64.25	54.25	-26.37	-28.84
0.57969	10.01	19.34	11.01	29.35	21.02	56.00	46.00	-26.65	-24.98
0.78281	10.02	14.78	6.05	24.80	16.07	56.00	46.00	-31.20	-29.93
3.03125	10.11	15.64	10.45	25.75	20.56	56.00	46.00	-30.25	-25.44
6.71484	10.25	13.72	8.76	23.97	19.01	60.00	50.00	-36.03	-30.99

Remarks:

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



10.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

10.8 配置照片

請參照 Test Setup Photos

11 傳導輸出功率量測及發射頻寬之要求

11.1 適用標準

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

11.2 量測方法

- 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

同 7.3 節

11.4 測試配置

同 7.4 節

11.5 量測結果

操作模式	發射	測試日期	107 年 6 月 06 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	10.07	9.54	19.157	12.82	24	Pass
40	5200	9.64	9.37	17.854	12.52	24	Pass
48	5240	9.87	9.98	19.659	12.94	24	Pass
149	5745	10.42	10.13	21.319	13.29	30	Pass
157	5785	10.23	9.82	20.138	13.04	30	Pass
165	5825	10.56	10.27	22.017	13.43	30	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	10.02	9.77	19.53	12.91	24	Pass
40	5200	9.86	10.05	19.799	12.97	24	Pass
48	5240	10.13	9.64	19.508	12.90	24	Pass
149	5745	10.40	9.95	20.851	13.19	30	Pass
157	5785	9.93	10.02	19.886	12.99	30	Pass
165	5825	9.79	10.13	19.832	12.97	30	Pass

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	8.84	8.57	14.85	11.72	24	Pass
46	5230	8.89	8.75	15.244	11.83	24	Pass
151	5755	9.45	9.66	18.057	12.57	30	Pass
159	5795	9.21	8.94	16.171	12.09	30	Pass

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	8.03	7.95	12.59	11.00	24	Pass
155	5775	8.02	7.93	12.548	10.99	30	Pass

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-2

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

For U-NII-3:

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 and add 10 log (1/duty cycle)

12.3 量測儀器

同 8.3 節。

12.4 測試配置

同 8.4 節

12.5 量測結果

操作模式	發射	測試日期	107 年 6 月 06 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

For U-NII-1:

802.11a

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	-3.39	-2.92	0.59	0.45	10.99	Pass
40	5200	-3.62	-3.37	0.59	0.10	10.99	Pass
48	5240	-3.29	-3.06	0.59	0.42	10.99	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 = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $11-(6.01-6) = 10.99\text{dBm}$.
3. Refer to section 2.1 for duty cycle spectrum plot.

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	-3.52	-4.10	0.63	-0.17	10.99	Pass
40	5200	-3.96	-3.85	0.63	-0.27	10.99	Pass
48	5240	-3.42	-3.37	0.63	0.24	10.99	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 = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $11-(6.01-6) = 10.99\text{dBm}$.
3. Refer to section 2.1 for duty cycle spectrum plot.

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-9.82	-9.64	2.06	-4.66	10.99	Pass
46	5230	-9.45	-8.63	2.06	-3.96	10.99	Pass

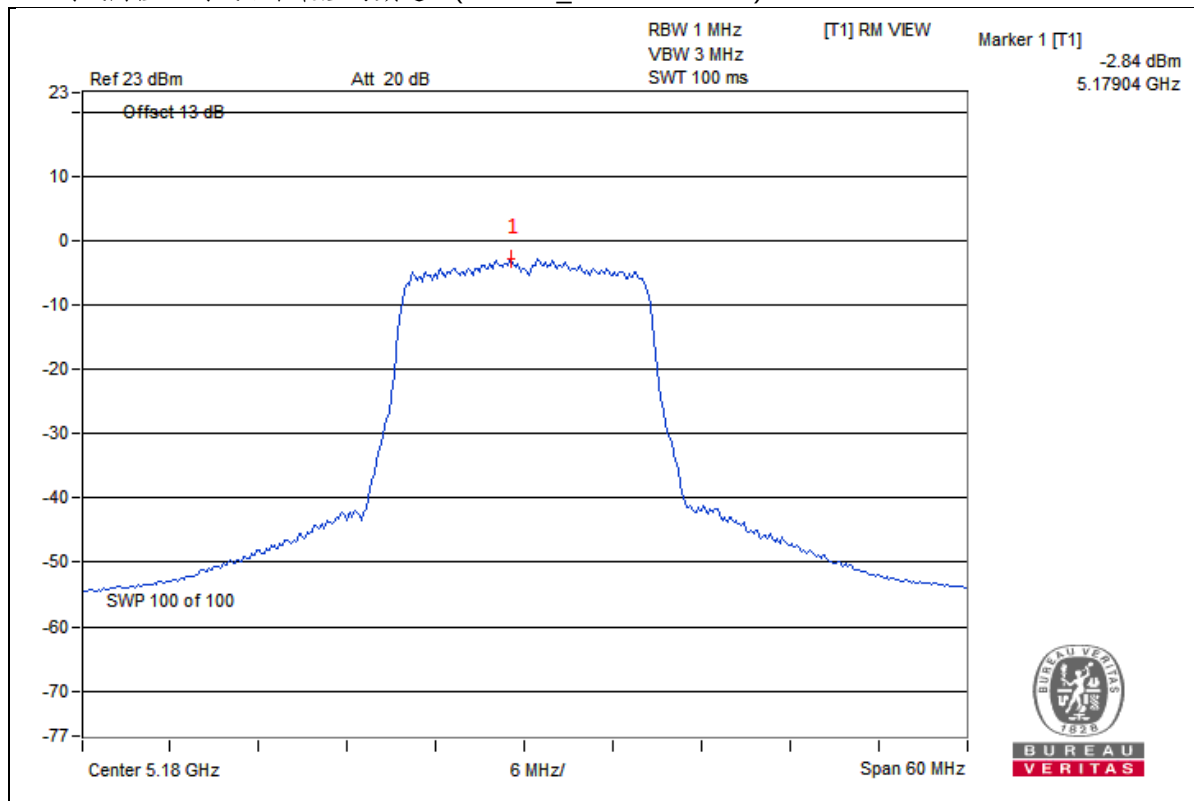
- Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. The Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $11-(6.01-6) = 10.99\text{dBm}$.
3. Refer to section 2.1 for duty cycle spectrum plot.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-14.17	-14.19	2.12	-9.05	10.99	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 = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $11-(6.01-6) = 10.99\text{dBm}$.
3. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。(802.11a_Chain 1 / CH36)



For U-NII-3:

802.11a

TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	149	5745	-10.55	-8.33	3.01	0.59	-4.73	29.99	Pass
	157	5785	-10.95	-8.73	3.01	0.59	-5.13	29.99	Pass
	165	5825	-11.22	-9.00	3.01	0.59	-5.40	29.99	Pass
1	149	5745	-10.77	-8.55	3.01	0.59	-4.95	29.99	Pass
	157	5785	-10.80	-8.58	3.01	0.59	-4.98	29.99	Pass
	165	5825	-10.85	-8.63	3.01	0.59	-5.03	29.99	Pass

Note: 1. The Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $30-(6.01-6) = 29.99\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

802.11n (HT20)

TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	149	5745	-11.06	-8.84	3.01	0.63	-5.20	29.99	Pass
	157	5785	-11.85	-9.63	3.01	0.63	-5.99	29.99	Pass
	165	5825	-11.26	-9.04	3.01	0.63	-5.40	29.99	Pass
1	149	5745	-11.36	-9.14	3.01	0.63	-5.50	29.99	Pass
	157	5785	-11.58	-9.36	3.01	0.63	-5.72	29.99	Pass
	165	5825	-11.66	-9.44	3.01	0.63	-5.80	29.99	Pass

Note: 1. The Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $30-(6.01-6) = 29.99\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

802.11n (HT40)

TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	151	5745	-16.39	-14.17	3.01	2.06	-9.10	29.99	Pass
	159	5785	-16.69	-14.47	3.01	2.06	-9.40	29.99	Pass
1	151	5745	-17.31	-15.09	3.01	2.06	-10.02	29.99	Pass
	159	5785	-17.94	-15.72	3.01	2.06	-10.65	29.99	Pass

Note: 1. The Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $30-(6.01-6) = 29.99\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

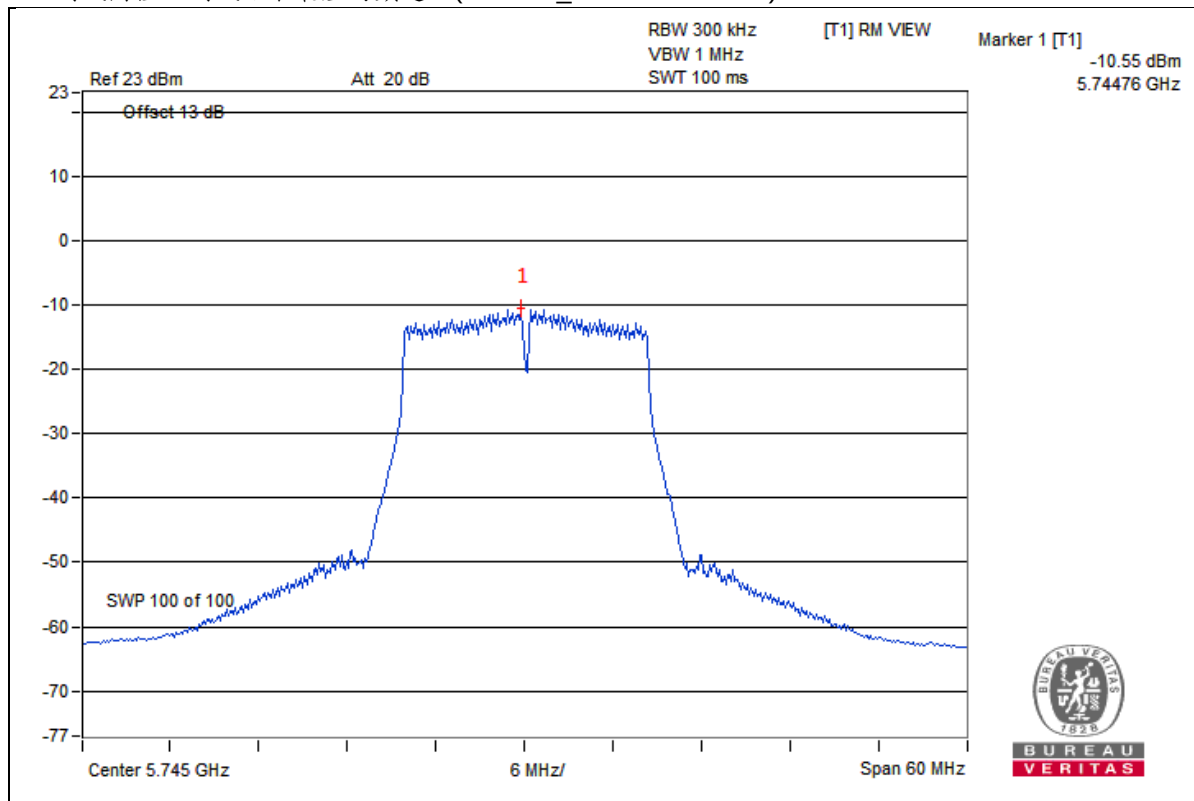
802.11ac (VHT80)

TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	155	5745	-22.64	-20.42	3.01	2.12	-15.29	29.99	Pass
1	155	5745	-23.07	-20.85	3.01	2.12	-15.72	29.99	Pass

Note: 1. The Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so so the power density limit shall be reduced to $30-(6.01-6) = 29.99\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。(802.11a_Chain 0 / CH149)



12.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

13 6 dB 頻寬之要求

13.1 適用標準

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

13.2 量測方法

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

13.3 量測儀器

同 6.3 節。

13.4 測試配置

同 6.4 節。

13.5 量測結果

操作模式	發射	測試日期	107 年 6 月 06 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	陳高逸		

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	16.33	16.33	0.5	Pass
157	5785	16.32	16.33	0.5	Pass
165	5825	16.37	16.32	0.5	Pass

802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	17.05	16.98	0.5	Pass
157	5785	16.99	17.10	0.5	Pass
165	5825	17.07	17.08	0.5	Pass

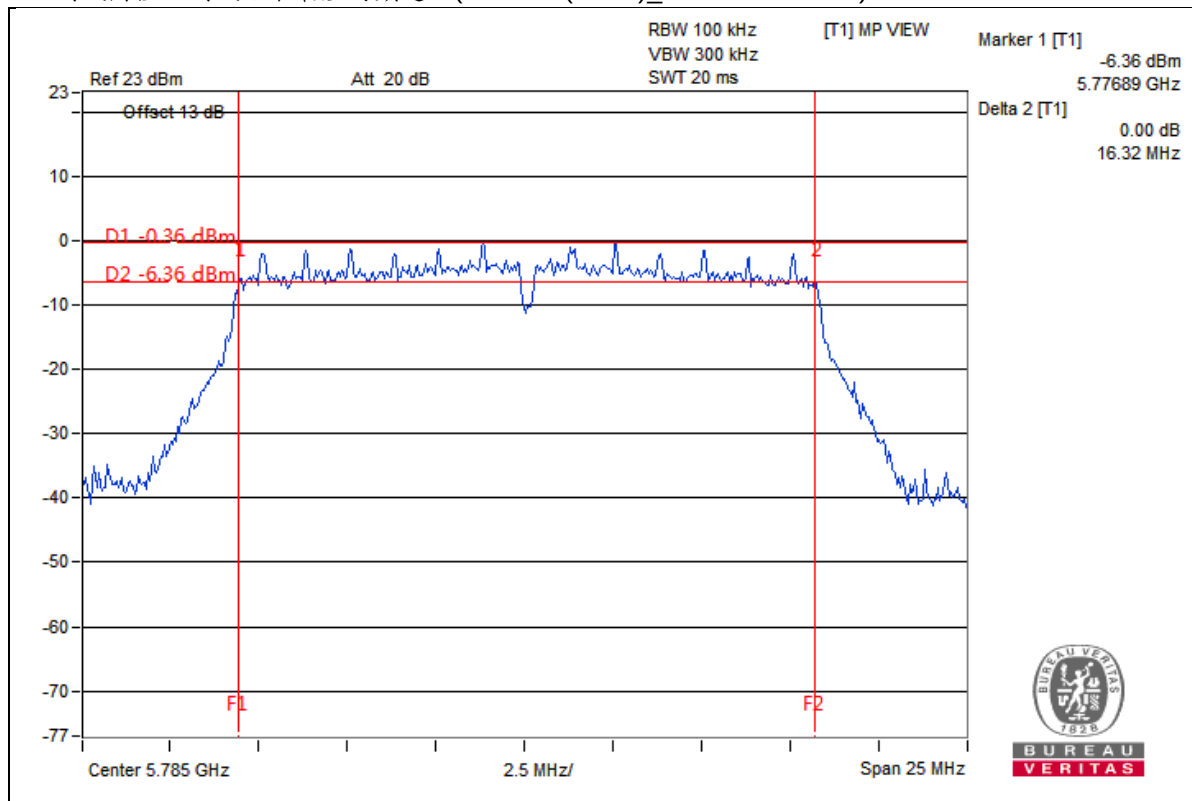
802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	35.33	35.32	0.5	Pass
159	5795	35.34	35.33	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	75.43	75.37	0.5	Pass

**此測試圖僅放測試結果最差的頻道。(802.11n (HT20)_Chain 0 / CH157)



13.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

14 電波暴露量之評估

14.1 適用標準

請見本報告 3.1 節第(12)項的規定。

14.2 評估方法

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

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

where

P_d = power density in mW/cm^2

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

14.3 評估結果

Operation Mode	Evaluation Frequency (MHz)	Max Power (dBm)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)	Pass/Fail
WLAN 2.4GHz	2462	22.34	171.301	5.01	20	0.10802	1	Pass
WLAN 5GHz	5825	13.43	22.017	6.01	20	0.01748	1	Pass

Note:

2.4GHz: Directional gain = 2dBi + 10log(2) = 5.01dBi

5GHz: The Directional gain = 3dBi + 10log(2) = 6.01dBi

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

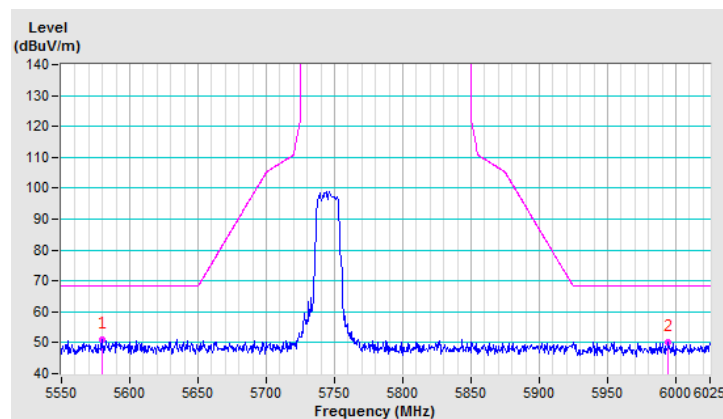
802.11a

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：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5580.06	51.0 PK	68.2	-17.2	2.98 H	36	47.8	3.2
2	#5994.45	50.2 PK	68.2	-18.0	2.98 H	36	46.5	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



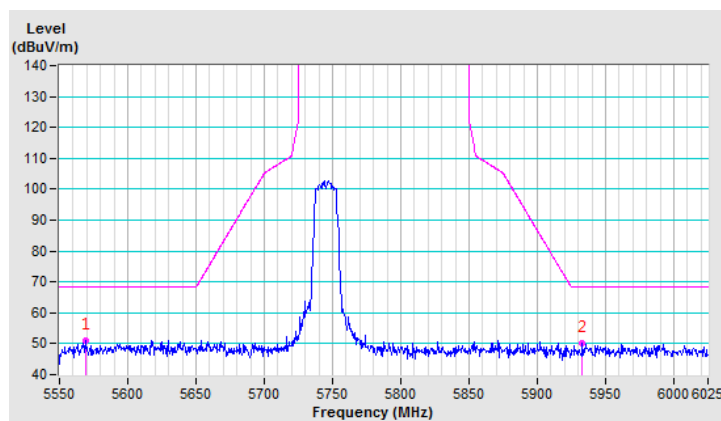
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基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5568.89	51.2 PK	68.2	-17.0	3.24 V	264	48.0	3.2
2	#5932.85	50.1 PK	68.2	-18.1	3.24 V	264	46.3	3.8

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.



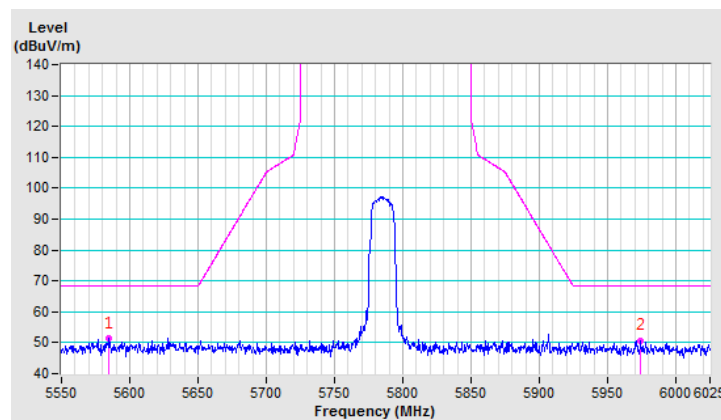
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5584.56	51.3 PK	68.2	-16.9	2.97 H	33	48.1	3.2
2	#5974.44	50.5 PK	68.2	-17.7	2.97 H	33	46.8	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



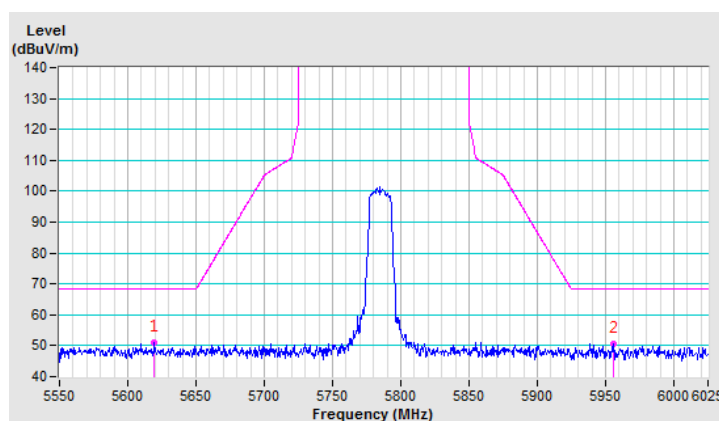
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基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5619.61	50.9 PK	68.2	-17.3	3.21 V	265	47.6	3.3
2	#5955.45	50.5 PK	68.2	-17.7	3.21 V	265	46.8	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



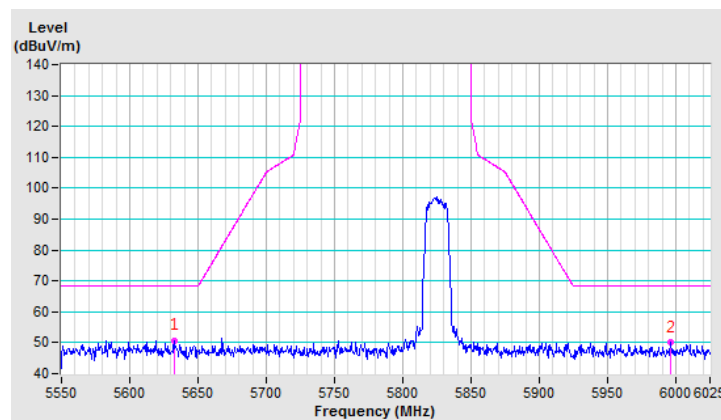
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5632.42	50.6 PK	68.2	-17.6	2.98 H	34	47.3	3.3
2	#5996.33	50.0 PK	68.2	-18.2	2.98 H	34	46.3	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



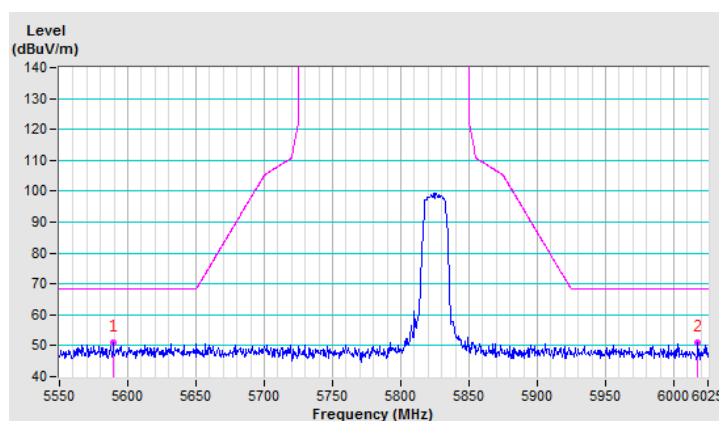
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基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5589.82	50.9 PK	68.2	-17.3	3.19 V	273	47.7	3.2
2	#6017.74	51.1 PK	68.2	-17.1	3.19 V	273	47.4	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



802.11n (HT20)

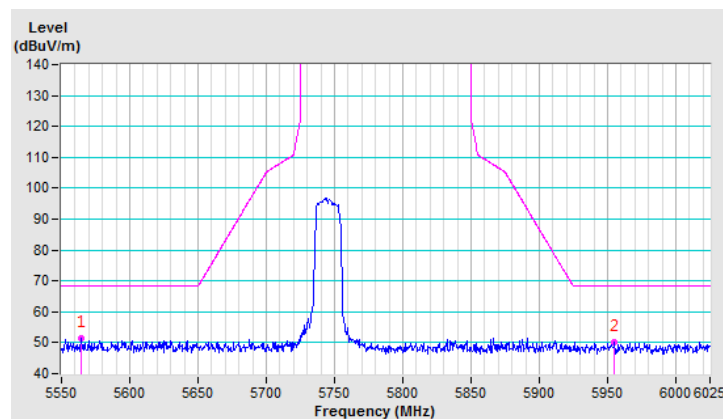
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基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5564.45	51.5 PK	68.2	-16.7	1.00 H	30	48.3	3.2
2	#5955.22	50.2 PK	68.2	-18.0	3.01 H	30	46.5	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



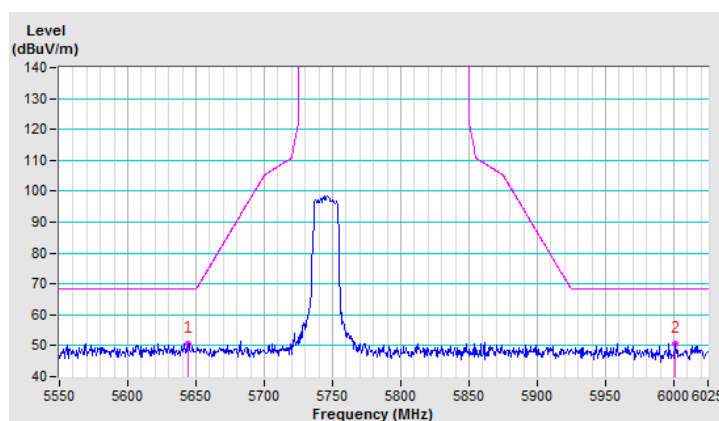
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基本波頻率：	CH 149 : 5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5643.90	50.7 PK	68.2	-17.5	3.20 V	266	47.5	3.2
2	#6000.73	50.8 PK	68.2	-17.4	3.20 V	266	47.1	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



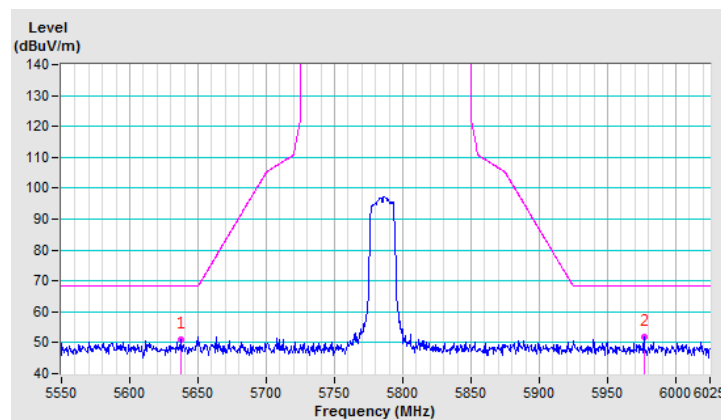
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5637.29	50.9 PK	68.2	-17.3	3.04 H	28	47.7	3.2
2	#5976.86	51.8 PK	68.2	-16.4	3.04 H	28	48.1	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



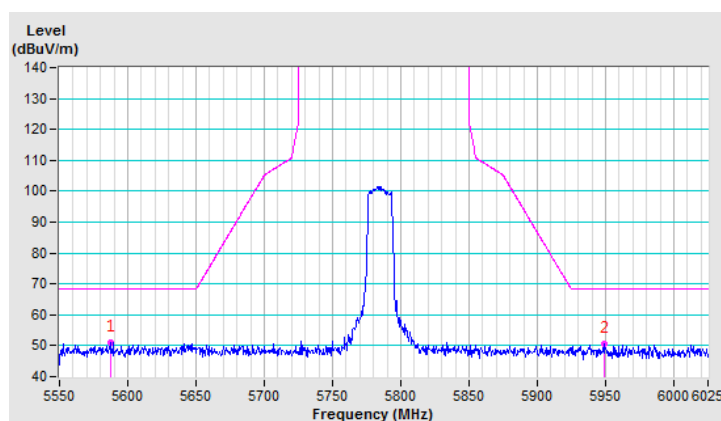
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基本波頻率：	CH 157 : 5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5587.42	50.9 PK	68.2	-17.3	3.19 V	266	47.7	3.2
2	#5948.98	50.6 PK	68.2	-17.6	3.19 V	266	46.9	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



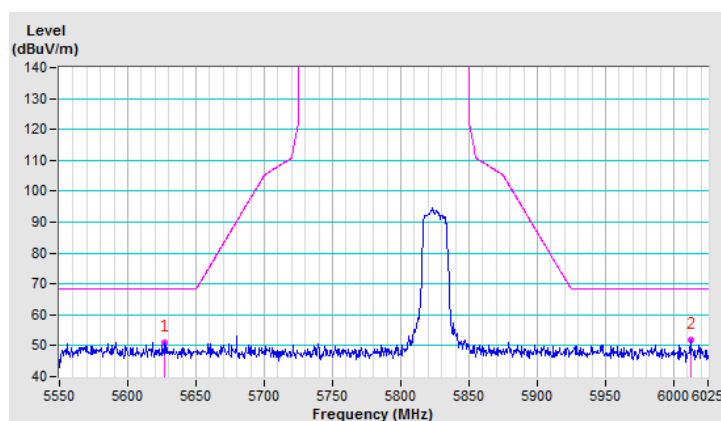
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基本波頻率：	CH 165 : 5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5627.13	50.9 PK	68.2	-17.3	3.06 H	27	47.6	3.3
2	#6012.07	51.8 PK	68.2	-16.4	3.06 H	27	48.1	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



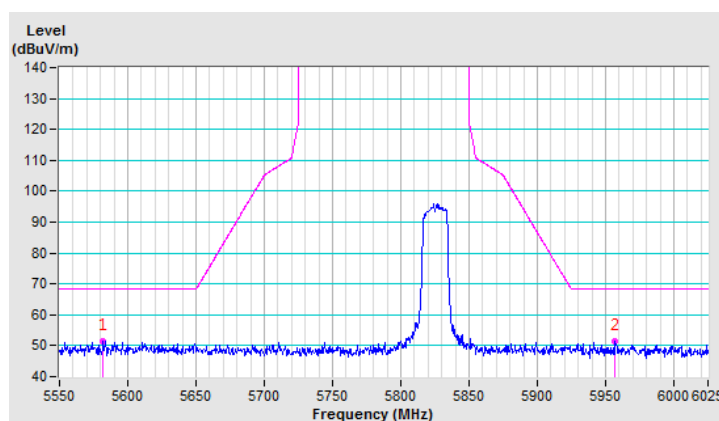
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基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5582.10	51.4 PK	68.2	-16.8	3.21 V	267	48.2	3.2
2	#5957.18	51.5 PK	68.2	-16.7	3.21 V	267	47.8	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



802.11n (HT40)

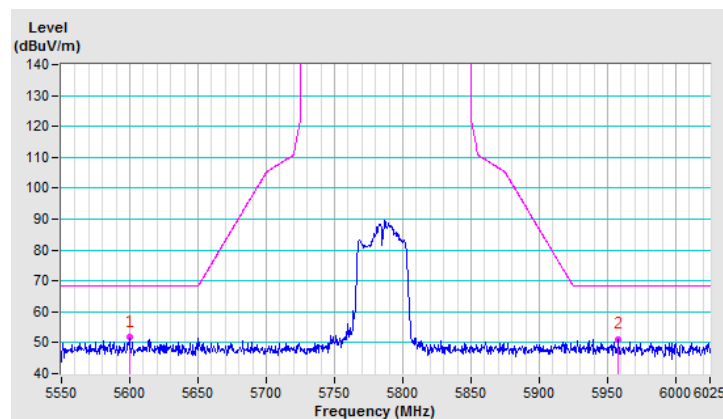
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基本波頻率：	CH 151 : 5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5599.54	51.7 PK	68.2	-16.5	3.08 H	38	48.4	3.3
2	#5958.16	51.1 PK	68.2	-17.1	3.08 H	38	47.4	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



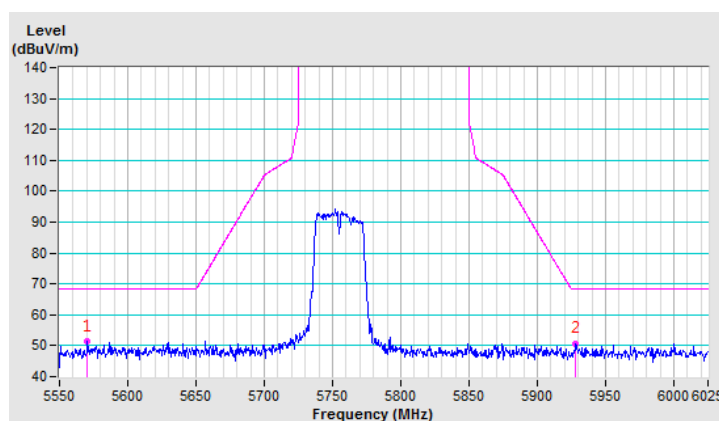
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5570.64	51.3 PK	68.2	-16.9	2.77 V	265	48.1	3.2
2	#5928.27	50.5 PK	68.2	-17.7	2.77 V	265	46.7	3.8

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.



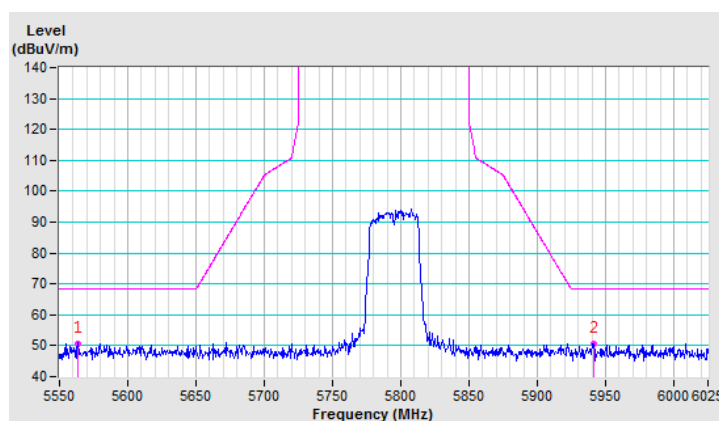
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5563.77	50.8 PK	68.2	-17.4	3.05 H	32	47.6	3.2
2	#5941.15	50.7 PK	68.2	-17.5	3.05 H	32	46.9	3.8

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.



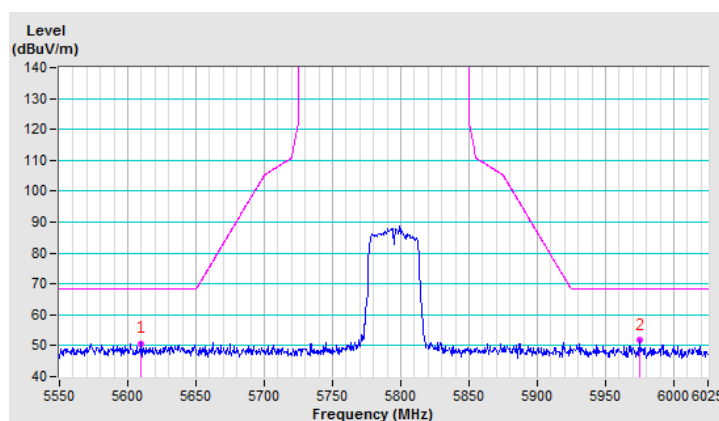
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5609.71	50.8 PK	68.2	-17.4	3.20 V	12	47.5	3.3
2	#5974.56	51.7 PK	68.2	-16.5	3.20 V	12	48.0	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



802.11ac (VHT80)

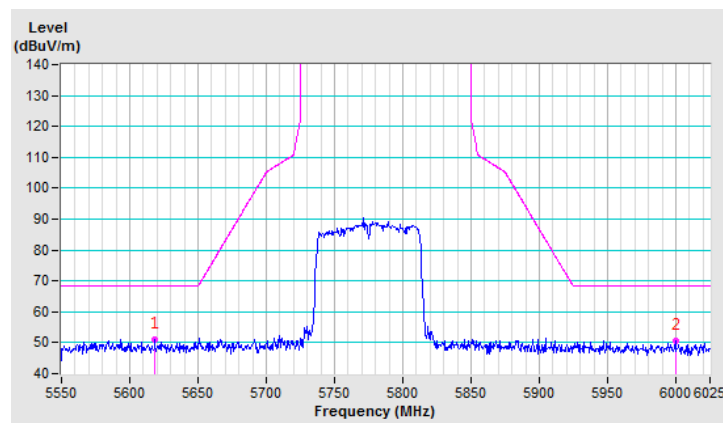
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5618.00	51.1 PK	68.2	-17.1	3.07 H	35	47.8	3.3
2	#5999.68	50.8 PK	68.2	-17.4	3.07 H	35	47.1	3.7

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.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



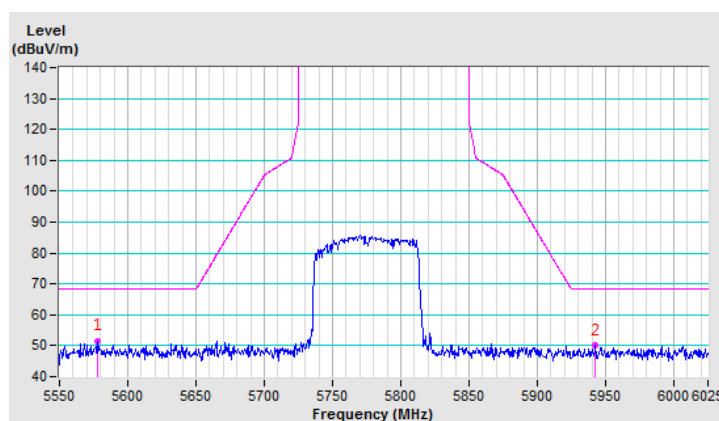
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23°C	量測場地濕度：	66%RH
測試日期：	107 年 6 月 6 日	測試者：	鄭樹營

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	#5578.26	51.5 PK	68.2	-16.7	2.69 V	260	48.3	3.2
2	#5942.66	50.0 PK	68.2	-18.2	2.69 V	260	46.2	3.8

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.



15 檢測實驗室基本資料

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

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：

Tel: 886-2-26052180

Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：

Tel: 886-3-6668565

Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

您也可以在我们的網站內找到各實驗室的地圖。

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