

低功率射頻器材技術規範測試報告

報告編號	RTBCWK-WTW-P20090194
申請者	華碩電腦股份有限公司
產品名稱	AC1300 USB 雙頻無線網卡
型號	USB-AC58
製造廠商	SHENZHEN GONGJIN ELECTRONICS CO., LTD
商標或廠牌	ASUS
該產品樣品試驗 依據之試驗標準	國家通訊傳播委員會低功率射頻器材技術規範 109 年 7 月 1 日訂定
試驗結果	合格

香港商立德國際商品試驗有限公司桃園分公司林口實驗室

日期 110 年 07 月 05 日

報告簽署人簽章:

陳志偉



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報告發行紀錄

Issue No.	Description	Date Issued
RTBCWK-WTW-P20090194	Original release	110 年 07 月 05 日

證 明 書

發行日期：110 年 07 月 05 日

產 品 名 稱：AC1300 USB 雙頻無線網卡
商 標：ASUS
型 號：USB-AC58
申 請 者：華碩電腦股份有限公司
量 測 規 範：低功率射頻器材技術規範 LP0002 (訂定日期：109 年 7 月 1 日)
ANSI C63.10-2013

香港商立德國際商品試驗有限公司桃園分公司在此證明上述待測設備樣品一組(型號：USB-AC58)收件日期 109 年 09 月 09 日，於 110 年 02 月 02 日至 110 年 05 月 21 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“低功率射頻器材技術規範”及“電信管制射頻器材審驗管理辦法”製作測試結果報告。

特 此 證 明 ！

報告製作者：


簡 佳 琪 / 專 員

， 日 期：110 年 07 月 05 日

審 核 者：


陳 志 偉 / 高級專案工程師

， 日 期：110 年 07 月 05 日

香港商立德國際商品試驗有限公司桃園分公司

實驗室地址：新北市林口區嘉寶里 14 鄰 47-2 號

此份報告不得摘錄複製，除全份複製外，需經實驗室書面同意。



1 低功率射頻電機量測記錄表

申請廠商：華碩電腦股份有限公司

製造廠商：SHENZHEN GONGJIN ELECTRONICS CO., LTD

申請廠商地址：台北市 112 北投區立德路 15 號

廠牌：ASUS

產品名稱：AC1300 USB 雙頻無線網卡

型號：USB-AC58

量測單位名稱：香港商立德國際商品試驗有限公司桃園分公司

林口實驗室華亞檢測部

量測單位地址：桃園市龜山區文化里華亞二路 19 號

量測單位認可編號：TAF 2021 (9kHz~40GHz)

量測規範：低功率射頻器材技術規範 LP0002 (訂定日期：109 年 7 月 1 日)

ANSI C63.10-2013

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	低功率射頻器材技術規範 4.10.1.5 節	合格
2	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	合格
3	6 dB 頻寬	低功率射頻器材技術規範 4.10.1.6 節	合格
4	峰值傳導輸出功率	低功率射頻器材技術規範 4.10.1.2 節	合格
5	功率頻譜密度	低功率射頻器材技術規範 4.10.1.6 節	合格

備註：量測結果之判定不考慮量測不確定度的貢獻。

WLAN 5.150~5.250GHz 頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	合格
2	帶外發射	低功率射頻器材技術規範 5.7.4 節	合格
3	最大傳導輸出功率	低功率射頻器材技術規範 5.7.3.1 節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範 5.7.3.1 節	合格

備註：量測結果之判定不考慮量測不確定度的貢獻。

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	低功率射頻器材技術規範3.3節	合格
2	帶外發射	低功率射頻器材技術規範5.7.4節	合格
3	最大傳導輸出功率	低功率射頻器材技術規範5.7.3.3節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範5.7.3.3節	合格
5	6dB 頻寬	低功率射頻器材技術規範5.7.5節	合格

備註：量測結果之判定不考慮量測不確定度的貢獻。

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	低功率射頻器材技術規範 6.20.2 節	合格

2 一般敘述

2.1 待測設備

產品名稱：	AC1300 USB雙頻無線網卡
型號：	USB-AC58
額定電源：	5.0Vdc (Host equipment or adapter)
調變技術：	CCK, DQPSK, DBPSK for DSSS 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM
傳輸速率：	802.11b: 11/5.5/2/1Mbps 802.11g: 54/48/36/24/18/12/9/6Mbps 802.11n: up to 400Mbps 802.11ac: up to 866.7Mbps
載波頻率：	2.4GHz: 2412 ~ 2462MHz 5.0GHz: 5180 ~ 5240MHz, 5745 ~ 5825MHz
頻道數：	2412 ~ 2462MHz: 802.11b, 802.11g, 802.11n (HT20), 802.11ac (VHT20): 11 802.11n (HT40), 802.11ac (VHT40): 7 5180~5240MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 4 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1 5745~5825MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20): 5 802.11n (HT40), 802.11ac (VHT40): 2 802.11ac (VHT80): 1
發射功率：	見註 2
天線種類：	見註 3
電源線類別：	NA
信號線類別：	NA
配件：	見註 4

註 1: The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

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

* The bandwidth and modulation are similar for HT20/HT40/ VHT20/VHT40 on 802.11n mode and VHT20/VHT40/VHT80 on 802.11ac mode. Therefore the investigated worst case is the representative mode in test report. (Final test mode refer note 4)

註 2: 發射功率如下

Frequency Band (MHz)	Mode	發射功率 (dBm)
2412 ~ 2462MHz	802.11b	24.30
	802.11g	27.74
	802.11n (HT20)	26.08
	802.11n (HT40)	24.68
	802.11n (VHT20)	26.21
	802.11n (VHT40)	24.72
5180 ~ 5240MHz	802.11a	18.11
	802.11n (HT20)	18.11
	802.11n (HT40)	18.11
	802.11ac (VHT20)	18.14
	802.11ac (VHT40)	18.14
	802.11ac (VHT80)	18.16
5745 ~ 5825MHz	802.11a	18.14
	802.11n (HT20)	18.11
	802.11n (HT40)	18.10
	802.11ac (VHT20)	18.15
	802.11ac (VHT40)	18.15
	802.11ac (VHT80)	18.19

註 3: 此待測設備搭配測試的天線，其資料如下：

Ant. Type	Dipole	
Connector Type	Reverse SMA	
Brand	Walsin	
Model	RFDPA141000SBLB815	
Frequency	2.4GHz	5GHz
Antenna Gain(dBi)	2.07	3.61

*上述天線的規格資訊由申請者聲明，實驗室不承擔任何責任。

註 4: 待測設備使用以下配件。

*本案器材以申請者切結提供的隨貨配件，及實驗室提供的測試配件併同檢測。產品及隨貨配件之照片請參照BV CPS報告編號：BCWK-WTW-P20090194_NCC，測試設置照片請參照BV CPS報告編號：BCWK-WTW-P20090194_TSup。

隨貨配件				
配件	廠牌	型號	規格	備註
USB cable	廣東雅聯科技股份 有限公司	90008601	0.95m shielded cable without core	配件

註 5: 此報告中，經過評估後以下列測試模式進行最終量測。

載波頻率	量測項目	發射	接收
2412 ~ 2462MHz			
場強輻射量測	1GHz 以上量測	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (VHT20): Ch 1, 6, 11 802.11n (VHT40): Ch 3, 6, 9	802.11n (VHT20): Ch 6
	其它不必要之訊號	802.11n (VHT20): Ch 6	
	峰值傳導輸出功率	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (HT20): Ch 1, 6, 11 802.11n (HT40): Ch 3, 6, 9 802.11n (VHT20): Ch 1, 6, 11 802.11n (VHT40): Ch 3, 6, 9	
電源線傳導干擾		802.11n (VHT20): Ch 6	
5180 ~ 5240MHz, 5745 ~ 5825MHz			
場強輻射量測	1GHz 以上量測	802.11a: Ch 36, 40, 48, 149, 157, 165 802.11n (HT20): Ch 36, 40, 48, 149, 157, 165 802.11n (HT40): Ch 38, 46, 151, 159 802.11ac (VHT80): Ch 42, 155	802.11ac (VHT20): Ch 40
	其它不必要之訊號	802.11ac (VHT20): Ch 40	
	最大傳導輸出功率	802.11a: Ch 36, 40, 48, 149, 157, 165 802.11n (HT20): Ch 36, 40, 48, 149, 157, 165 802.11n (HT40): Ch 38, 46, 151, 159 802.11ac (VHT20): Ch 36, 40, 48, 149, 157, 165 802.11ac (VHT40): Ch 38, 46, 151, 159 802.11ac (VHT80): Ch 42, 155	
電源線傳導干擾		802.11ac (VHT20): Ch 40	

註 7: 此報告中傳輸模式，場強輻射量測及電源線傳導干擾量測之外的測試項目，以DSSS調變技術和OFDM調變技術分別進行測試並記錄最終量測結果於報告中。

註 8: 此待測設備，經評估三個正交軸方位評估測試擺設方式：平躺、側放、垂直，WLAN 2.4GHz以平躺為最大干擾值之位置而WLAN 5GHz以垂直為最大干擾值之位置，故以上述之擺放方式進行最終量測，並將測試結果紀錄。

註 9: WLAN 2.4GHz & WLAN 5GHz technology cannot transmit at same time.

註 10: Duty cycle of test signal.

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

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

2.4GHz Band:

802.11b: Duty cycle of test signal is 100 %, duty factor is not required.

802.11g: Duty cycle = $1.350/1.435 = 0.941$, Duty factor = $10 * \log(1/0.941) = 0.26$

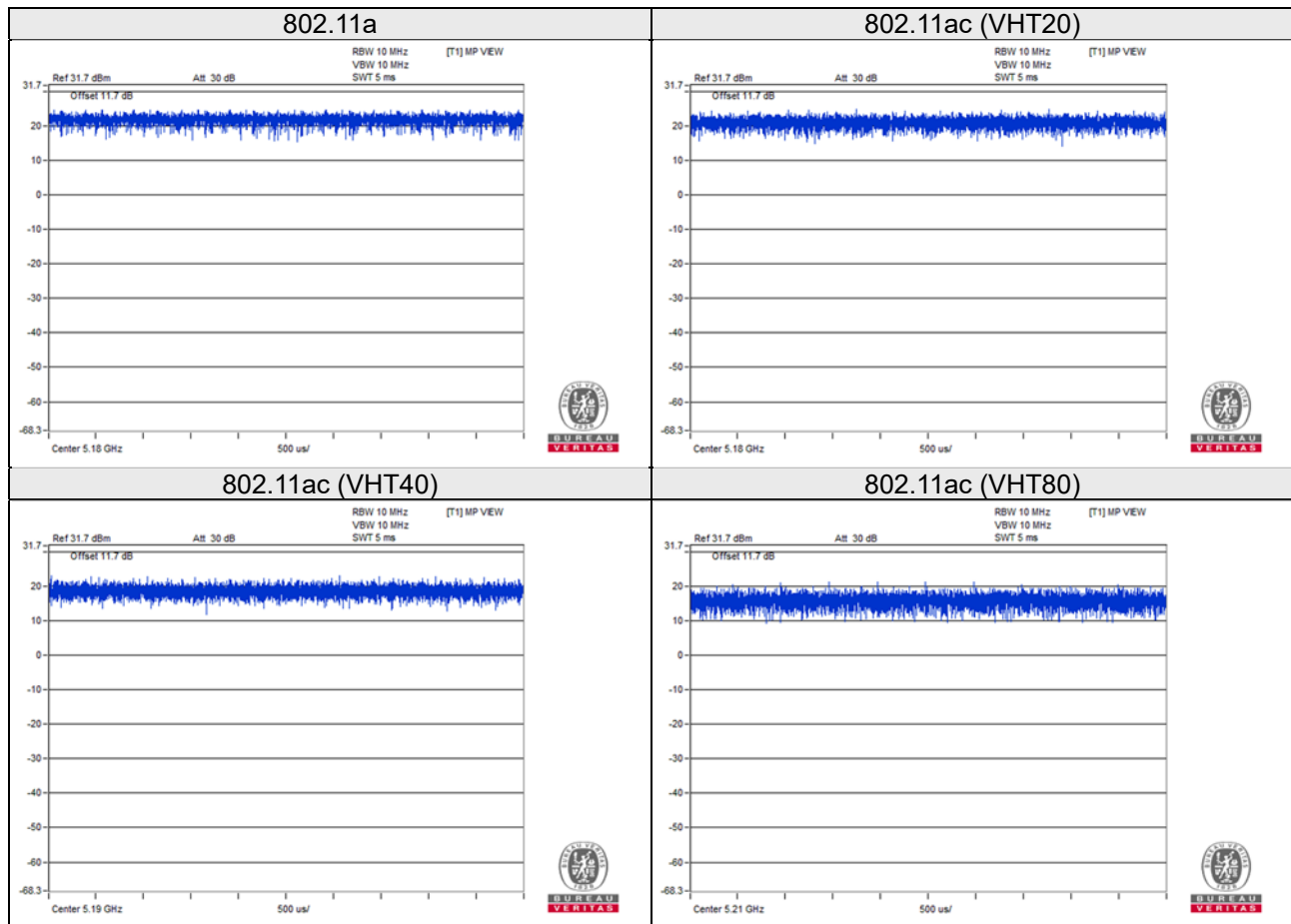
802.11n (VHT20): Duty cycle = $1.250/1.325 = 0.943$, Duty factor = $10 * \log(1/0.943) = 0.25$

802.11n (VHT40): Duty cycle = $0.627/0.687 = 0.913$, Duty factor = $10 * \log(1/0.913) = 0.40$



5GHz Band:

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



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g, 802.11n (HT20) and 802.11n (VHT20):

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

802.11n (HT40) and 802.11n (VHT40):

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

5GHz 頻段：

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

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

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

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

802.11ac (VHT80):

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

詳細之規格請參考使用說明書。

2.2 輔助測試之週邊設備描述

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

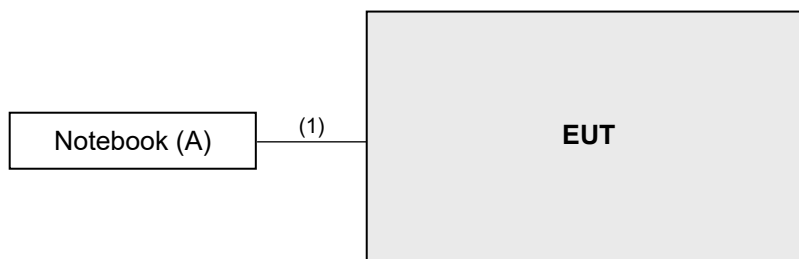
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	ASUS	P2420L	FCNXCV16385351D	FCC DoC Approved	Provided by Lab.

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Item A acted as a communication partner to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	USB cable	1	0.95	Y	0	隨貨配件

2.3 測試架構圖



3 適用規範

3.1 規範要求和參考

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻器材技術規範之 3.3 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器材技術規範 4.10.1.5 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 4.10.1.2(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器材技術規範 5.7.4.1 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器材技術規範 5.7.4.2 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。

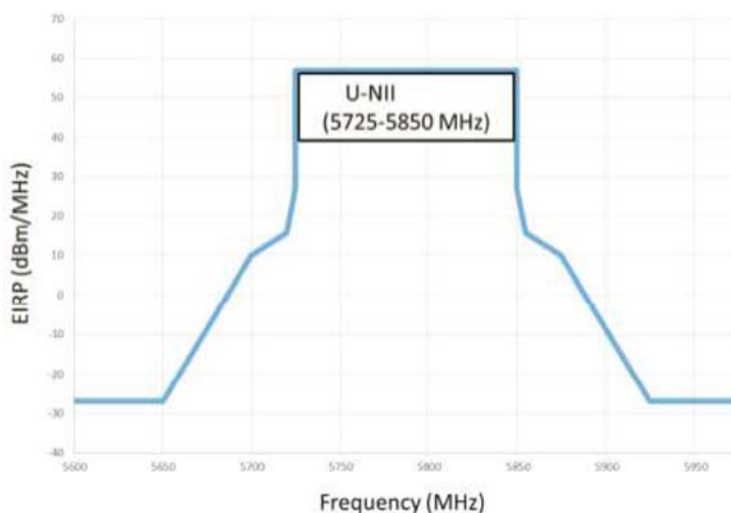


圖 1

在 1 GHz 以下不必要之發射，應符合 3.6 之規定。此外，落於 3.5 禁用頻段之輻射發射，應符合 3.6 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 3.2 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器材技術規範 4.10.1.3 節及 5.7.3 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 4.10.1.2 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器材技術規範 4.10.1.6 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器材技術規範 5.7.5 節之規定，其 6dB 頻寬至少應有 500kHz。

(6) 傳導輸出功率之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻器材技術規範 4.10.1.2 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器材技術規範 5.7.3.1 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器材技術規範5.7.3.2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器材技術規範 5.7.3.3 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器材技術規範 4.10.1.6 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 4.10.1.3 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器材技術規範 5.7.3.1 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器材技術規範5.7.3.2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器材技術規範 5.7.3.3 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器材技術規範5.7.7.1及5.7.7.2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器材技術規範5.7.7.3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器材技術規範 5.7.7.4 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器材技術規範 5.7.7.5 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器材技術規範 6.20.2 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	842/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：百萬赫(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 – 1.34	614	1.63	*100	30
1.34 - 30	824/f	2.19/f	*180/f ²	30
30 - 300	27.5	0.073	0.2	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：百萬赫(MHz)。

參考國際標準指南

KDB 558074
KDB 662911
KDB 789033

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 3.6 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	

2.4GHz 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

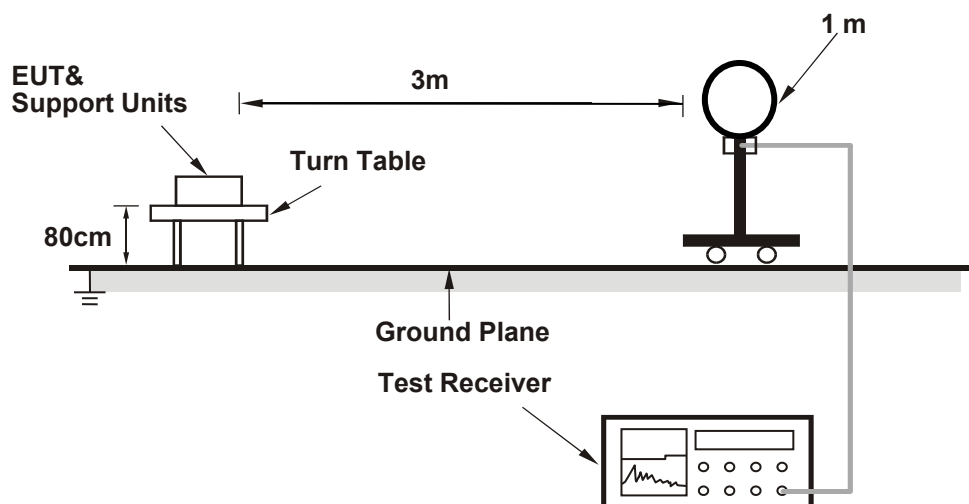
儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Test Receiver KEYSIGHT	N9038A	MY55420137	Apr. 16, 2020 Apr. 09, 2021	Apr. 15, 2021 Apr. 08, 2022
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	Nov. 22, 2020	Nov. 21, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 22, 2020	Nov. 21, 2021
Loop Antenna TESEQ	HLA 6121	45745	Jul. 06, 2020	Jul. 05, 2021
Preamplifier Agilent (Below 1GHz)	8447D	2944A10638	Jun. 08, 2020	Jun. 07, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02367	Feb. 18, 2020 Feb. 17, 2021	Feb. 17, 2021 Feb. 16, 2022
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795 /4)	Jan. 16, 2021	Jan. 15, 2022
RF signal cable Woken	8D-FB	Cable-CH9-01	Jun. 08, 2020	Jun. 07, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower & Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Pre-amplifier (18GHz-40GHz) EMC	EMC184045B	980175	Sep. 04, 2020	Sep. 03, 2021

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

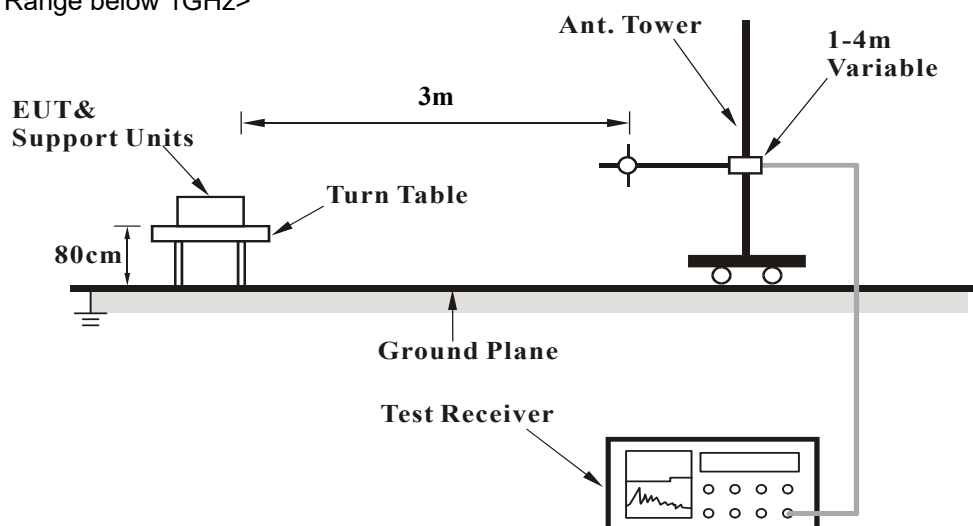
Measurement	Frequency	Uncertainty
Radiated emissions	9kHz ~ 30MHz	3.04 dB
	30MHz ~ 200MHz	3.59 dB
	200MHz ~ 1000MHz	3.60 dB
	1GHz ~ 18GHz	2.29 dB
	18GHz ~ 40GHz	2.29 dB

4.4 測試配置

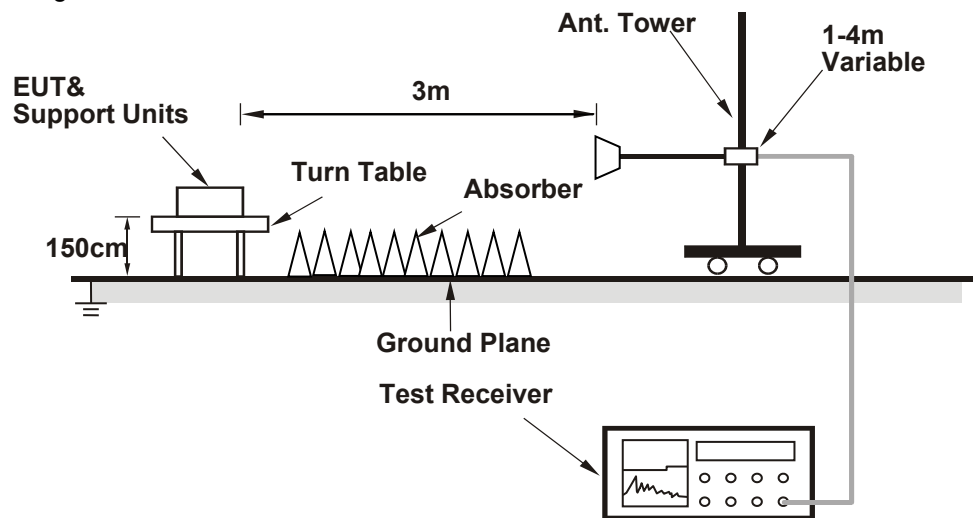
<Frequency Range below 30MHz>



<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



4.5 場強度之計算

場強之計算公式如下：

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

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

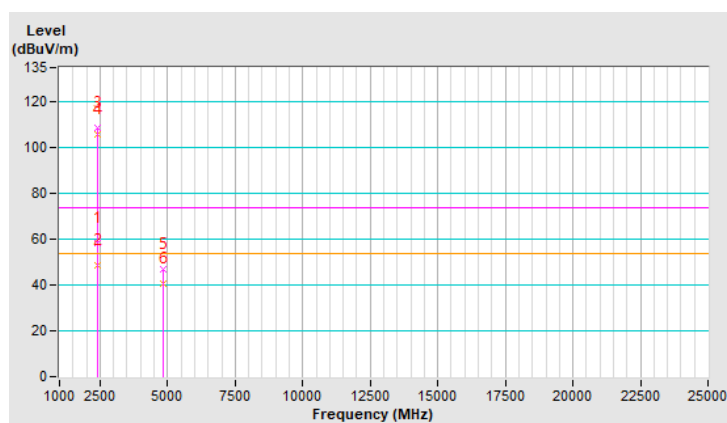
量測結果請見下頁。

操 作 模 式 :	發射	調 變 技 術 :	DSSS
基 本 波 頻 率 :	CH 1 : 2412 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.2 PK	74.0	-15.8	1.03 V	127	27.0	31.2
2	2390.00	48.7 AV	54.0	-5.3	1.03 V	127	17.5	31.2
3	*2412.00	108.8 PK			1.03 V	127	77.6	31.2
4	*2412.00	105.6 AV			1.03 V	127	74.4	31.2
5	4824.00	46.7 PK	74.0	-27.3	3.93 V	337	44.7	2.0
6	4824.00	40.8 AV	54.0	-13.2	3.93 V	337	38.8	2.0
	7236.00	-	-	-	-	-	-	-
	9648.00	-	-	-	-	-	-	-
	12060.00	-	-	-	-	-	-	-
	16884.00	-	-	-	-	-	-	-
	19296.00	-	-	-	-	-	-	-
	21708.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

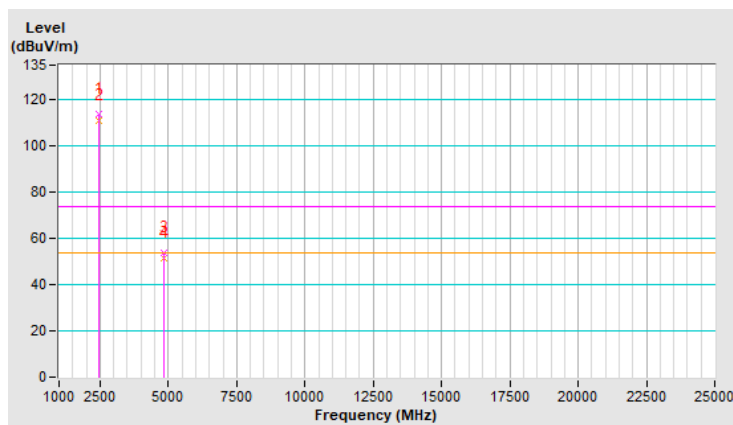


操 作 模 式 :	發射	調 變 技 術 :	DSSS
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

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	114.0 PK			1.65 H	86	82.9	31.1
2	*2437.00	110.8 AV			1.65 H	86	79.7	31.1
3	4824.00	53.6 PK	74.0	-20.4	2.13 H	89	51.6	2.0
4	4824.00	51.5 AV	54.0	-2.5	2.13 H	89	49.5	2.0
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

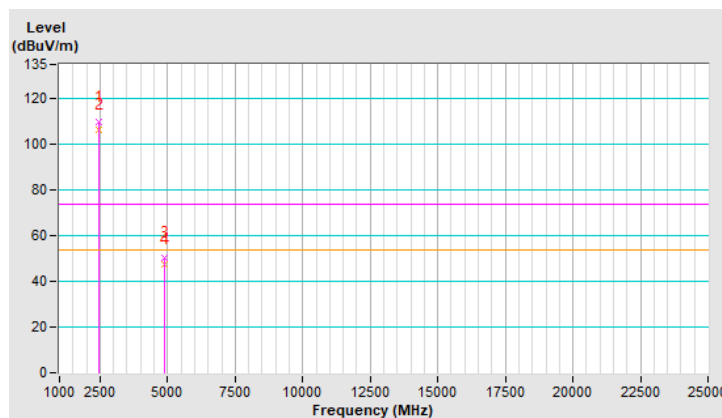


操 作 模 式 :	發射	調 變 技 術 :	DSSS
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	109.6 PK			1.00 V	120	78.5	31.1
2	*2437.00	106.4 AV			1.00 V	120	75.3	31.1
3	4874.00	50.6 PK	74.0	-23.4	3.95 V	342	48.5	2.1
4	4874.00	47.2 AV	54.0	-6.8	3.95 V	342	45.1	2.1
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



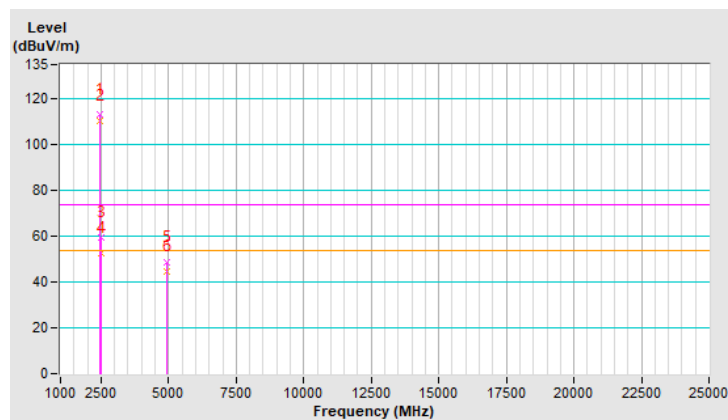
操 作 模 式 :	發射	調 變 技 術 :	DSSS
基 本 波 頻 率 :	CH 11 : 2462 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

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	113.4 PK			1.68 H	87	82.3	31.1
2	*2462.00	110.2 AV			1.68 H	87	79.1	31.1
3	2483.50	59.6 PK	74.0	-14.4	4.00 H	87	28.5	31.1
4	2483.50	52.6 AV	54.0	-1.4	4.00 H	87	21.5	31.1
5	4924.00	48.7 PK	74.0	-25.3	2.22 H	84	46.5	2.2
6	4924.00	44.7 AV	54.0	-9.3	2.22 H	84	42.5	2.2
	7386.00	-	-	-	-	-	-	-
	9848.00	-	-	-	-	-	-	-
	14772.00	-	-	-	-	-	-	-
	17234.00	-	-	-	-	-	-	-
	19696.00	-	-	-	-	-	-	-
	22158.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



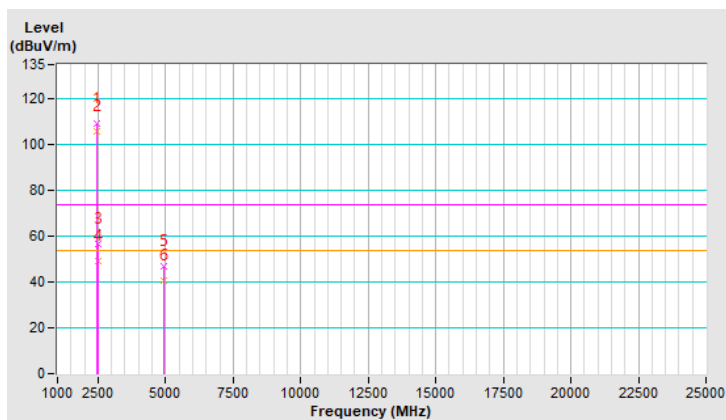
操 作 模 式 :	發射	調 變 技 術 :	DSSS
基 本 波 頻 率 :	CH 11 : 2462 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	109.2 PK			1.05 V	118	78.1	31.1
2	*2462.00	106.0 AV			1.05 V	118	74.9	31.1
3	2483.50	56.5 PK	74.0	-17.5	1.05 V	118	25.4	31.1
4	2483.50	49.0 AV	54.0	-5.0	1.05 V	118	17.9	31.1
5	4924.00	46.7 PK	74.0	-27.3	4.00 V	336	44.5	2.2
6	4924.00	40.8 AV	54.0	-13.2	4.00 V	336	38.6	2.2
	7386.00	-	-	-	-	-	-	-
	9848.00	-	-	-	-	-	-	-
	14772.00	-	-	-	-	-	-	-
	17234.00	-	-	-	-	-	-	-
	19696.00	-	-	-	-	-	-	-
	22158.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



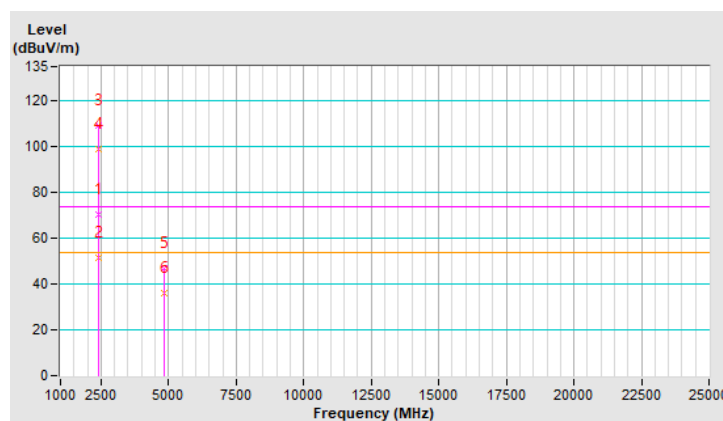
802.11g

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 :	22°C	量測場地濕度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	70.5 PK	74.0	-3.5	1.37 H	192	39.3	31.2
2	2390.00	51.6 AV	54.0	-2.4	1.37 H	192	20.4	31.2
3	*2412.00	109.2 PK			1.37 H	192	78.0	31.2
4	*2412.00	98.9 AV			1.37 H	192	67.7	31.2
5	4824.00	47.0 PK	74.0	-27.0	1.69 H	165	44.9	2.1
6	4824.00	35.9 AV	54.0	-18.1	1.69 H	165	33.8	2.1
	7236.00	-	-	-	-	-	-	-
	9648.00	-	-	-	-	-	-	-
	12060.00	-	-	-	-	-	-	-
	14472.00	-	-	-	-	-	-	-
	16884.00	-	-	-	-	-	-	-
	19296.00	-	-	-	-	-	-	-
	21708.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

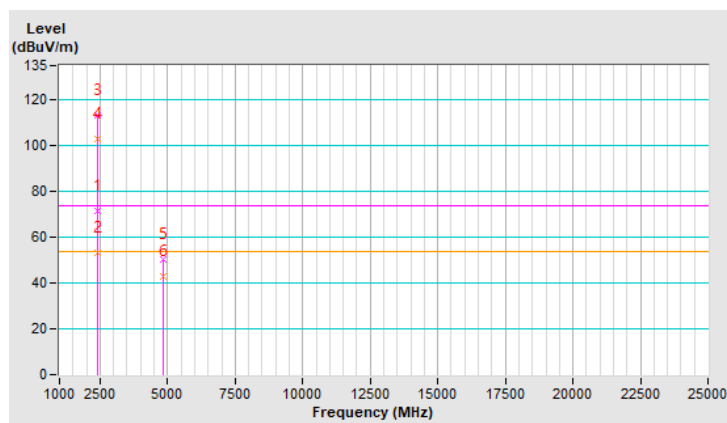


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 1 : 2412 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 04 月 23 日	測 試 者 :	王泓諭

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	71.7 PK	74.0	-2.3	2.88 V	72	40.5	31.2
2	2390.00	53.1 AV	54.0	-0.9	2.88 V	72	21.9	31.2
3	*2412.00	113.1 PK			2.88 V	72	81.9	31.2
4	*2412.00	103.1 AV			2.88 V	72	71.9	31.2
5	4824.00	50.5 PK	74.0	-23.5	2.93 V	351	48.4	2.1
6	4824.00	43.1 AV	54.0	-10.9	2.93 V	351	41.0	2.1
	7236.00	-	-	-	-	-	-	-
	9648.00	-	-	-	-	-	-	-
	12060.00	-	-	-	-	-	-	-
	14472.00	-	-	-	-	-	-	-
	16884.00	-	-	-	-	-	-	-
	19296.00	-	-	-	-	-	-	-
	21708.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

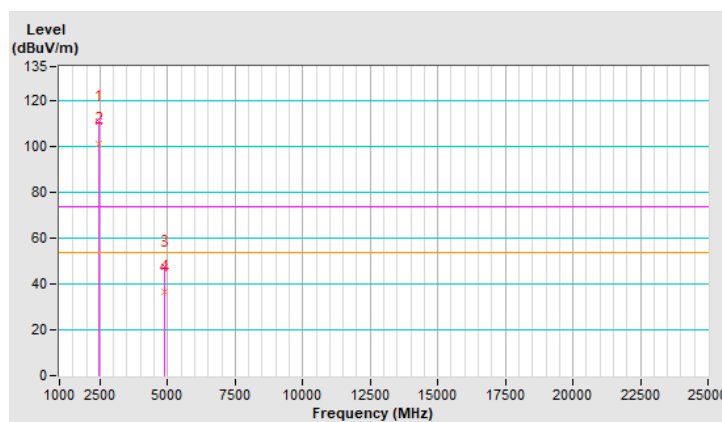


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

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	111.0 PK			1.56 H	194	79.9	31.1
2	*2437.00	101.2 AV			1.56 H	194	70.1	31.1
3	4874.00	47.7 PK	74.0	-26.3	1.72 H	169	45.6	2.1
4	4874.00	36.5 AV	54.0	-17.5	1.72 H	169	34.4	2.1
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	12185.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

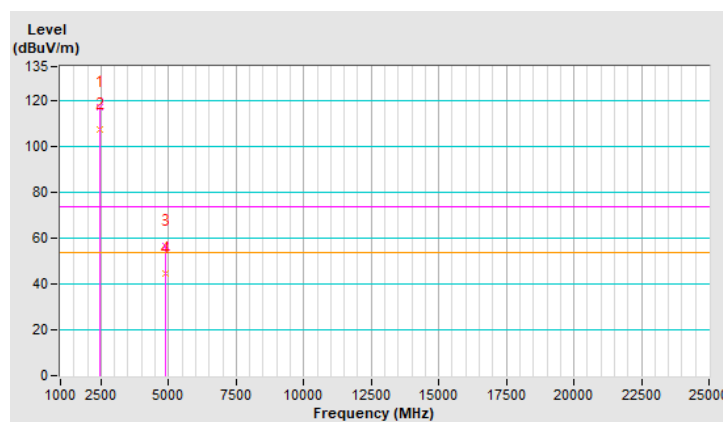


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 04 月 26 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	117.5 PK			3.13 V	75	86.4	31.1
2	*2437.00	107.8 AV			3.13 V	75	76.7	31.1
3	4874.00	56.7 PK	74.0	-17.3	2.90 V	350	54.6	2.1
4	4874.00	44.5 AV	54.0	-9.5	2.90 V	350	42.4	2.1
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	12185.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

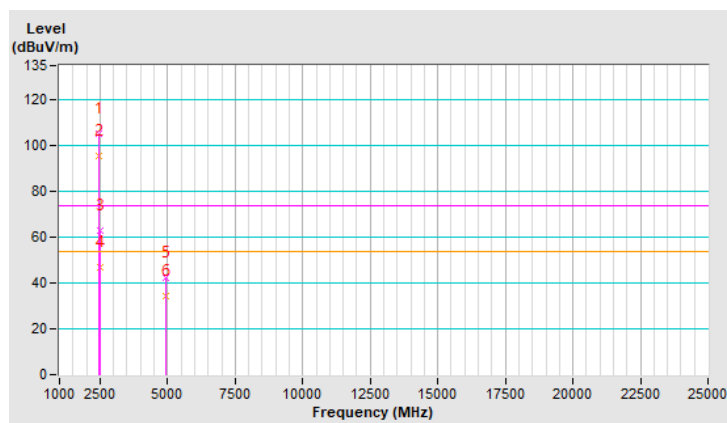


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 11 : 2462 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

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	105.0 PK			2.21 H	182	73.9	31.1
2	*2462.00	95.6 AV			2.21 H	182	64.5	31.1
3	2483.50	62.9 PK	74.0	-11.1	2.21 H	182	31.8	31.1
4	2483.50	46.9 AV	54.0	-7.1	2.21 H	182	15.8	31.1
5	4924.00	42.3 PK	74.0	-31.7	1.65 H	169	40.2	2.1
6	4924.00	34.3 AV	54.0	-19.7	1.65 H	169	32.2	2.1
	7386.00	-	-	-	-	-	-	-
	9848.00	-	-	-	-	-	-	-
	12310.00	-	-	-	-	-	-	-
	14772.00	-	-	-	-	-	-	-
	17234.00	-	-	-	-	-	-	-
	19696.00	-	-	-	-	-	-	-
	22158.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



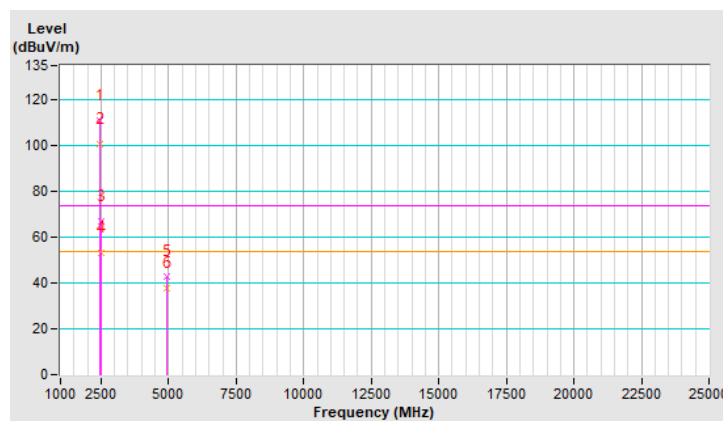
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 11 : 2462 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 10 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.8 PK			2.93 V	43	79.7	31.1
2	*2462.00	100.5 AV			2.93 V	43	69.4	31.1
3	2483.50	67.1 PK	74.0	-6.9	2.93 V	43	36.0	31.1
4	2483.50	53.4 AV	54.0	-0.6	2.93 V	43	22.3	31.1
5	4924.00	43.0 PK	74.0	-31.0	3.22 V	351	40.9	2.1
6	4924.00	37.6 AV	54.0	-16.4	3.22 V	351	35.5	2.1
	7386.00	-	-	-	-	-	-	-
	9848.00	-	-	-	-	-	-	-
	12310.00	-	-	-	-	-	-	-
	14772.00	-	-	-	-	-	-	-
	17234.00	-	-	-	-	-	-	-
	19696.00	-	-	-	-	-	-	-
	22158.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



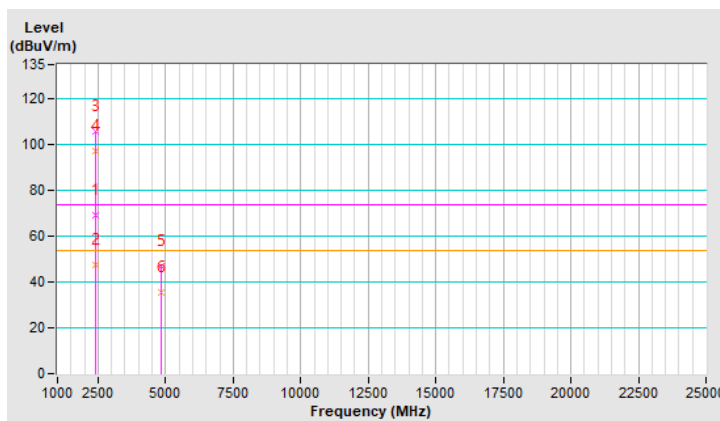
802.11n (VHT20)

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 :	22°C	量測場地濕度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.2 PK	74.0	-4.8	2.17 H	180	38.0	31.2
2	2390.00	47.5 AV	54.0	-6.5	2.17 H	180	16.3	31.2
3	*2412.00	106.0 PK			2.17 H	180	74.8	31.2
4	*2412.00	97.2 AV			2.17 H	180	66.0	31.2
5	4824.00	46.9 PK	74.0	-27.1	1.65 H	172	44.8	2.1
6	4824.00	35.7 AV	54.0	-18.3	1.65 H	172	33.6	2.1
	7236.00	-	-	-	-	-	-	-
	9648.00	-	-	-	-	-	-	-
	12060.00	-	-	-	-	-	-	-
	14472.00	-	-	-	-	-	-	-
	16884.00	-	-	-	-	-	-	-
	19296.00	-	-	-	-	-	-	-
	21708.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



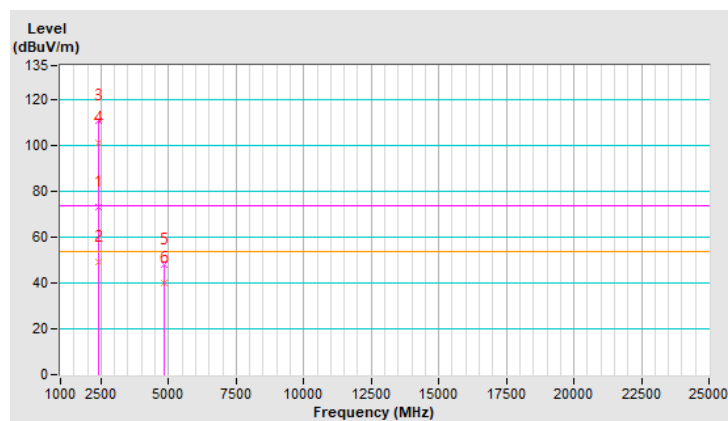
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 1 : 2412 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 10 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	73.0 PK	74.0	-1.0	3.02 V	43	41.8	31.2
2	2390.00	49.4 AV	54.0	-4.6	3.02 V	43	18.2	31.2
3	*2412.00	111.0 PK			3.02 V	43	79.8	31.2
4	*2412.00	101.4 AV			3.02 V	43	70.2	31.2
5	4824.00	48.0 PK	74.0	-26.0	3.02 V	355	45.9	2.1
6	4824.00	40.3 AV	54.0	-13.7	3.02 V	355	38.2	2.1
	7236.00	-	-	-	-	-	-	-
	9648.00	-	-	-	-	-	-	-
	12060.00	-	-	-	-	-	-	-
	14472.00	-	-	-	-	-	-	-
	16884.00	-	-	-	-	-	-	-
	19296.00	-	-	-	-	-	-	-
	21708.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

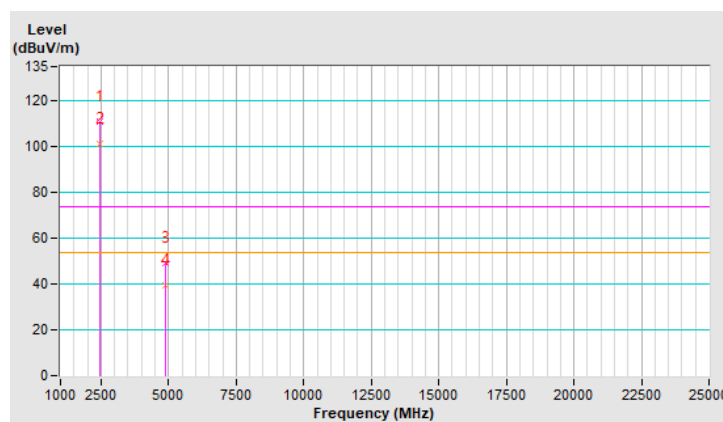


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

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	110.7 PK			2.20 H	177	79.6	31.1
2	*2437.00	101.2 AV			2.20 H	177	70.1	31.1
3	4874.00	49.3 PK	74.0	-24.7	1.72 H	163	47.2	2.1
4	4874.00	39.6 AV	54.0	-14.4	1.72 H	163	37.5	2.1
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	12185.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

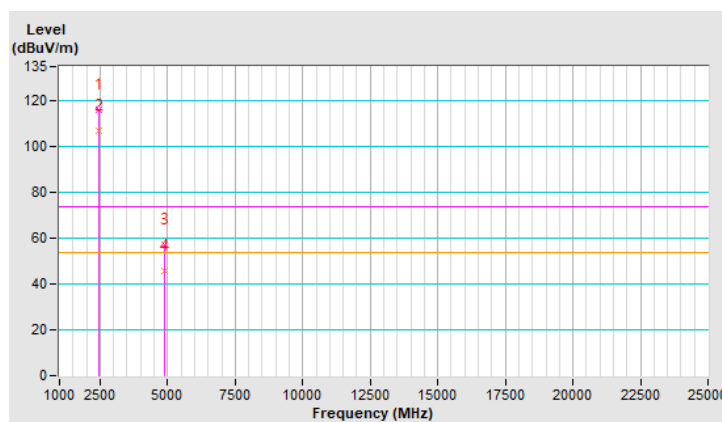


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 04 月 23 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	116.0 PK			2.86 V	65	84.9	31.1
2	*2437.00	106.7 AV			2.86 V	65	75.6	31.1
3	4874.00	57.2 PK	74.0	-16.8	2.97 V	355	55.1	2.1
4	4874.00	45.6 AV	54.0	-8.4	2.97 V	355	43.5	2.1
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	12185.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

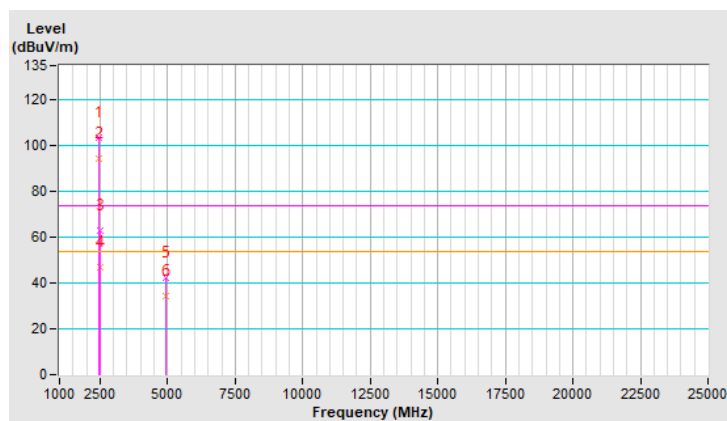


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 11 : 2462 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	103.8 PK			2.84 H	182	72.7	31.1
2	*2462.00	94.6 AV			2.84 H	182	63.5	31.1
3	2483.50	63.1 PK	74.0	-10.9	2.84 H	182	32.0	31.1
4	2483.50	47.1 AV	54.0	-6.9	2.84 H	182	16.0	31.1
5	4924.00	42.3 PK	74.0	-31.7	1.68 H	165	40.2	2.1
6	4924.00	34.3 AV	54.0	-19.7	1.68 H	165	32.2	2.1
	7386.00	-	-	-	-	-	-	-
	9848.00	-	-	-	-	-	-	-
	12310.00	-	-	-	-	-	-	-
	14772.00	-	-	-	-	-	-	-
	17234.00	-	-	-	-	-	-	-
	19696.00	-	-	-	-	-	-	-
	22158.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



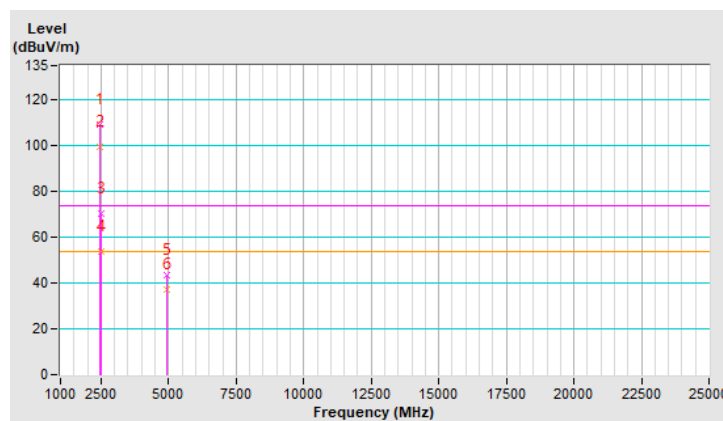
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 11 : 2462 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 10 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	109.2 PK			2.93 V	42	78.1	31.1
2	*2462.00	99.4 AV			2.93 V	42	68.3	31.1
3	2483.50	70.3 PK	74.0	-3.7	2.93 V	42	39.2	31.1
4	2483.50	53.5 AV	54.0	-0.5	2.93 V	42	22.4	31.1
5	4924.00	43.2 PK	74.0	-30.8	3.24 V	356	41.1	2.1
6	4924.00	37.1 AV	54.0	-16.9	3.24 V	356	35.0	2.1
	7386.00	-	-	-	-	-	-	-
	9848.00	-	-	-	-	-	-	-
	12310.00	-	-	-	-	-	-	-
	14772.00	-	-	-	-	-	-	-
	17234.00	-	-	-	-	-	-	-
	19696.00	-	-	-	-	-	-	-
	22158.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



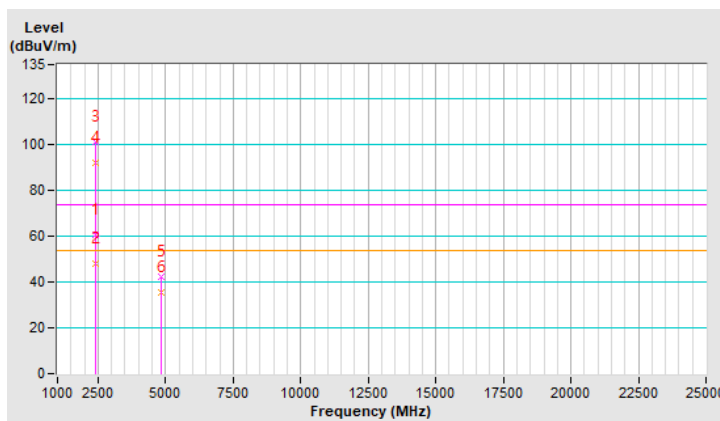
802.11n (VHT40)

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 :	22°C	量測場地濕度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

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	60.9 PK	74.0	-13.1	2.12 H	181	29.7	31.2
2	2390.00	48.1 AV	54.0	-5.9	2.12 H	181	16.9	31.2
3	*2422.00	101.3 PK			2.12 H	181	70.1	31.2
4	*2422.00	92.1 AV			2.12 H	181	60.9	31.2
5	4844.00	42.3 PK	74.0	-31.7	1.72 H	161	40.2	2.1
6	4844.00	35.7 AV	54.0	-18.3	1.72 H	161	33.6	2.1
	7266.00	-	-	-	-	-	-	-
	9688.00	-	-	-	-	-	-	-
	12110.00	-	-	-	-	-	-	-
	14532.00	-	-	-	-	-	-	-
	16954.00	-	-	-	-	-	-	-
	19376.00	-	-	-	-	-	-	-
	21798.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * " : Fundamental frequency (主頻).
6. " # " : The radiated frequency is out of the restricted band.
7. " - " : The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

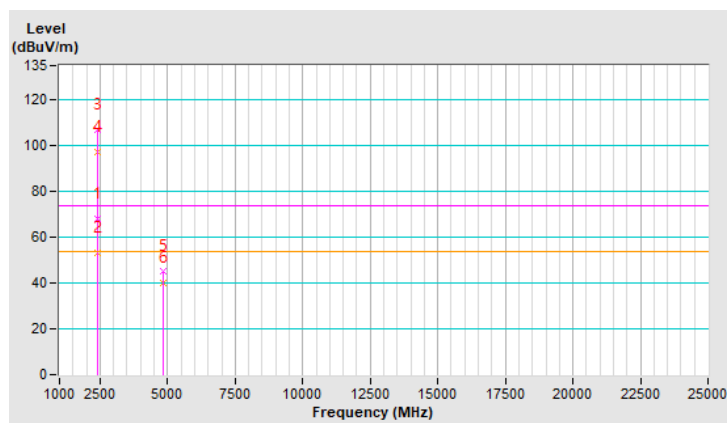


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 3 : 2422 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

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	68.0 PK	74.0	-6.0	3.04 V	38	36.8	31.2
2	2390.00	53.3 AV	54.0	-0.7	3.04 V	38	22.1	31.2
3	*2422.00	106.9 PK			3.04 V	38	75.7	31.2
4	*2422.00	97.5 AV			3.04 V	38	66.3	31.2
5	4844.00	45.1 PK	74.0	-28.9	2.95 V	350	43.0	2.1
6	4844.00	39.9 AV	54.0	-14.1	2.95 V	350	37.8	2.1
	7266.00	-	-	-	-	-	-	-
	9688.00	-	-	-	-	-	-	-
	12110.00	-	-	-	-	-	-	-
	14532.00	-	-	-	-	-	-	-
	16954.00	-	-	-	-	-	-	-
	19376.00	-	-	-	-	-	-	-
	21798.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

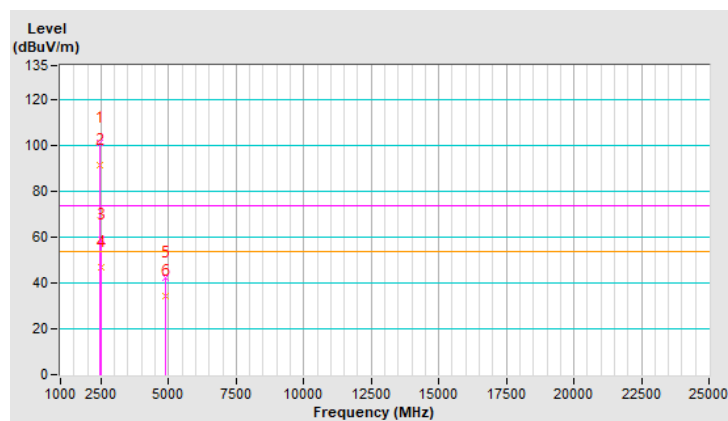


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	101.0 PK			2.18 H	178	69.9	31.1
2	*2437.00	91.8 AV			2.18 H	178	60.7	31.1
3	2483.50	59.2 PK	74.0	-14.8	2.18 H	178	28.1	31.1
4	2483.50	46.7 AV	54.0	-7.3	2.18 H	178	15.6	31.1
5	4874.00	42.3 PK	74.0	-31.7	1.75 H	158	40.2	2.1
6	4874.00	34.4 AV	54.0	-19.6	1.75 H	158	32.3	2.1
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	12185.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



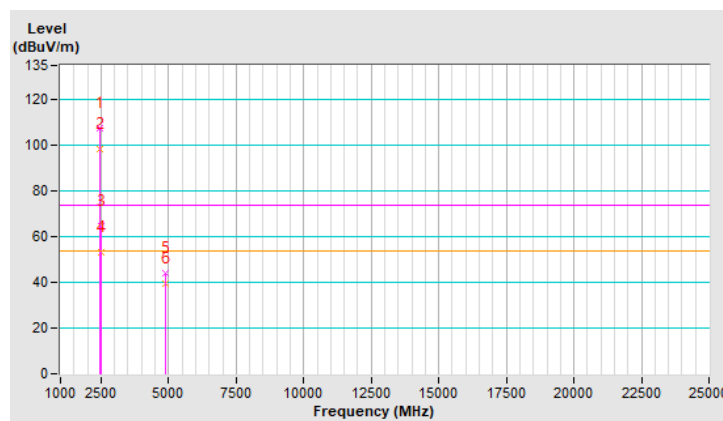
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 04 月 26 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	107.4 PK			3.13 V	72	76.3	31.1
2	*2437.00	98.5 AV			3.13 V	72	67.4	31.1
3	2483.50	64.8 PK	74.0	-9.2	3.13 V	72	33.7	31.1
4	2483.50	53.2 AV	54.0	-0.8	3.13 V	72	22.1	31.1
5	4874.00	44.3 PK	74.0	-29.7	3.30 V	353	42.2	2.1
6	4874.00	39.3 AV	54.0	-14.7	3.30 V	353	37.2	2.1
	7311.00	-	-	-	-	-	-	-
	9748.00	-	-	-	-	-	-	-
	12185.00	-	-	-	-	-	-	-
	14622.00	-	-	-	-	-	-	-
	17059.00	-	-	-	-	-	-	-
	19496.00	-	-	-	-	-	-	-
	21933.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

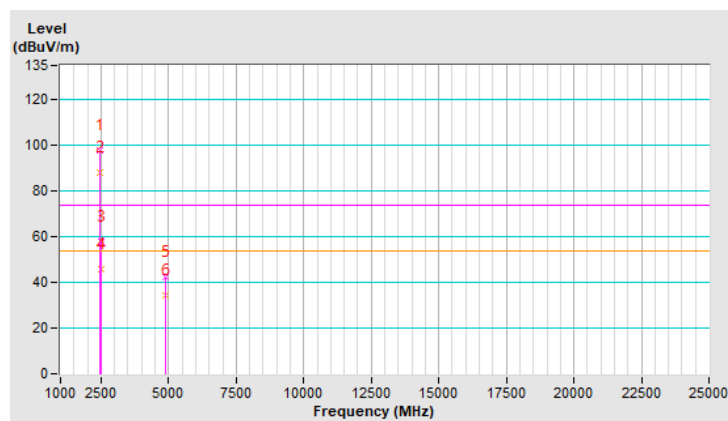


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 9 : 2452 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 19 日	測 試 者 :	王泓諭

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	97.7 PK			2.20 H	180	66.6	31.1
2	*2452.00	88.2 AV			2.20 H	180	57.1	31.1
3	2483.50	57.7 PK	74.0	-16.3	2.20 H	180	26.6	31.1
4	2483.50	45.9 AV	54.0	-8.1	2.20 H	180	14.8	31.1
5	4904.00	42.3 PK	74.0	-31.7	1.79 H	169	40.3	2.0
6	4904.00	34.2 AV	54.0	-19.8	1.79 H	169	32.2	2.0
	7356.00	-	-	-	-	-	-	-
	9808.00	-	-	-	-	-	-	-
	12260.00	-	-	-	-	-	-	-
	14712.00	-	-	-	-	-	-	-
	17164.00	-	-	-	-	-	-	-
	19616.00	-	-	-	-	-	-	-
	22068.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



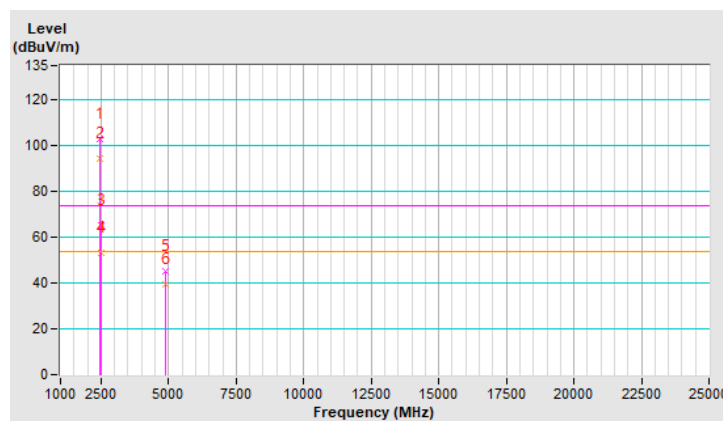
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 9 : 2452 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	66%RH
測 試 日 期 :	110 年 05 月 10 日	測 試 者 :	王泓諭

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	103.0 PK			2.60 V	17	71.9	31.1
2	*2452.00	94.1 AV			2.60 V	17	63.0	31.1
3	2483.50	65.4 PK	74.0	-8.6	2.60 V	17	34.3	31.1
4	2483.50	53.4 AV	54.0	-0.6	2.60 V	17	22.3	31.1
5	4904.00	45.3 PK	74.0	-28.7	3.14 V	359	43.3	2.0
6	4904.00	39.6 AV	54.0	-14.4	3.14 V	359	37.6	2.0
	7356.00	-	-	-	-	-	-	-
	9808.00	-	-	-	-	-	-	-
	12260.00	-	-	-	-	-	-	-
	14712.00	-	-	-	-	-	-	-
	17164.00	-	-	-	-	-	-	-
	19616.00	-	-	-	-	-	-	-
	22068.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



4.6.2 接收諧波

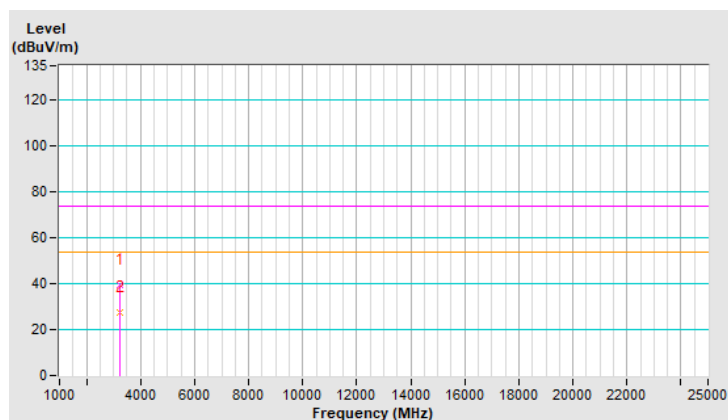
802.11n (VHT20)

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 (RMS)
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

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	3249.00	39.2 PK	74.0	-34.8	1.88 H	247	40.2	-1.0
2	3249.00	27.4 AV	54.0	-26.6	1.88 H	247	28.4	-1.0

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



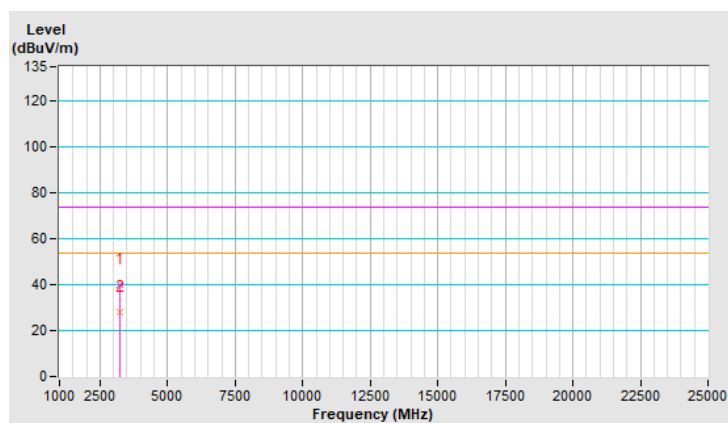
操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz (RMS)
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

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	3249.00	40.3 PK	74.0	-33.7	2.57 V	135	41.3	-1.0
2	3249.00	28.3 AV	54.0	-25.7	2.57 V	135	29.3	-1.0

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



4.6.3 其它不必要之訊號

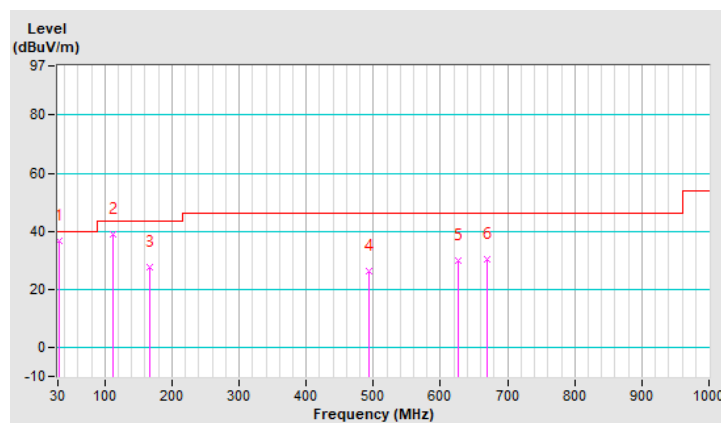
802.11n (VHT20)

操 作 模 式 :	發射/接收	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(QP) RB=120kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

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	31.94	36.8 QP	40.0	-3.2	1.00 H	325	47.1	-10.3
2	112.45	38.9 QP	43.5	-4.6	1.50 H	85	50.3	-11.4
3	167.74	27.7 QP	43.5	-15.8	1.25 H	246	36.2	-8.5
4	492.69	26.3 QP	46.0	-19.7	1.00 H	175	29.1	-2.8
5	625.58	29.9 QP	46.0	-16.1	2.00 H	104	29.9	0.0
6	670.20	30.4 QP	46.0	-15.6	1.00 H	62	29.8	0.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB).
3. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

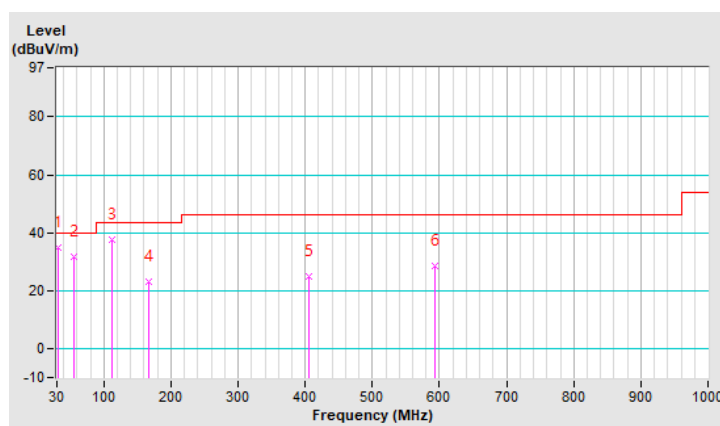


操 作 模 式 :	發射/接收	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(QP) RB=120kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

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	32.91	35.1 QP	40.0	-4.9	2.00 V	221	45.5	-10.4
2	56.19	31.9 QP	40.0	-8.1	1.00 V	16	40.9	-9.0
3	112.45	37.5 QP	43.5	-6.0	1.50 V	16	48.9	-11.4
4	167.74	23.2 QP	43.5	-20.3	1.25 V	16	31.7	-8.5
5	406.36	25.0 QP	46.0	-21.0	1.00 V	268	29.7	-4.7
6	593.57	28.7 QP	46.0	-17.3	1.50 V	315	29.4	-0.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m).
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB).
3. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



4.7 量測結果判定

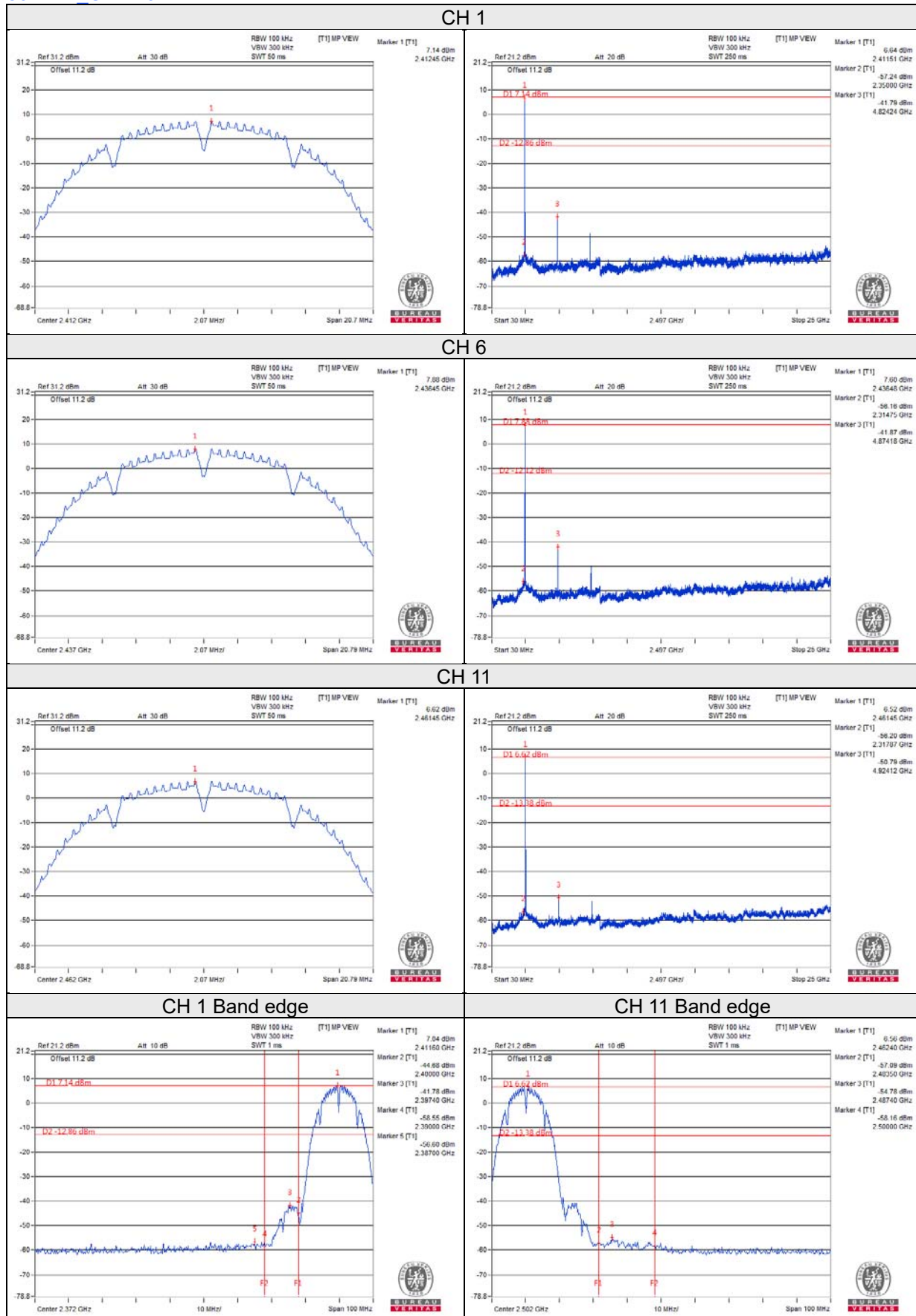
依據測試數據結果，符合低功率射頻器材技術規範之要求。

4.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BCWK-WTW-P20090194_TSup)。

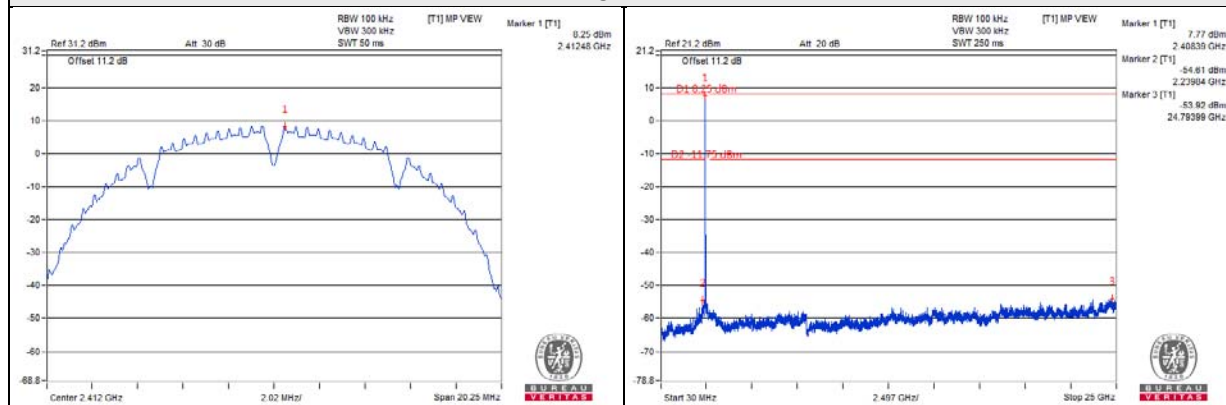
4.9 帶外發射之量測 (傳導)

802.11b_Chain 0

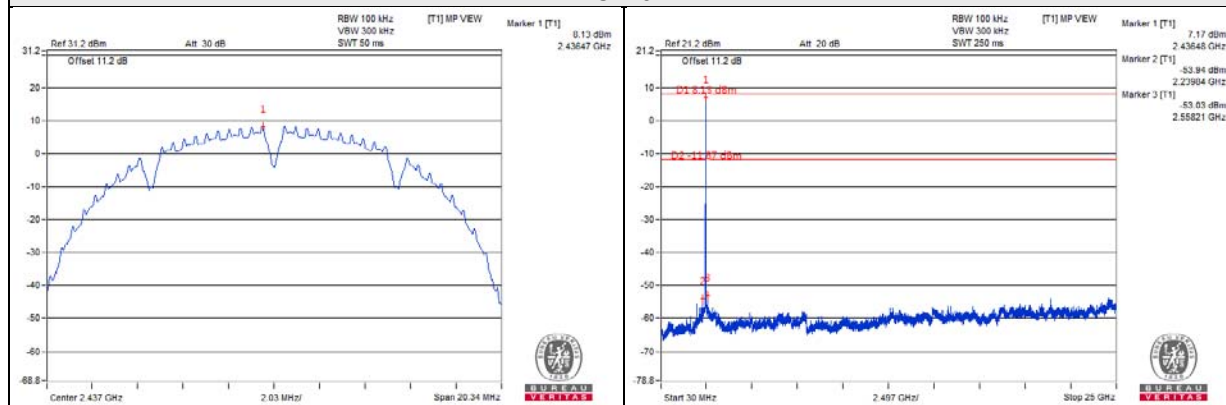


802.11b_Chain 1

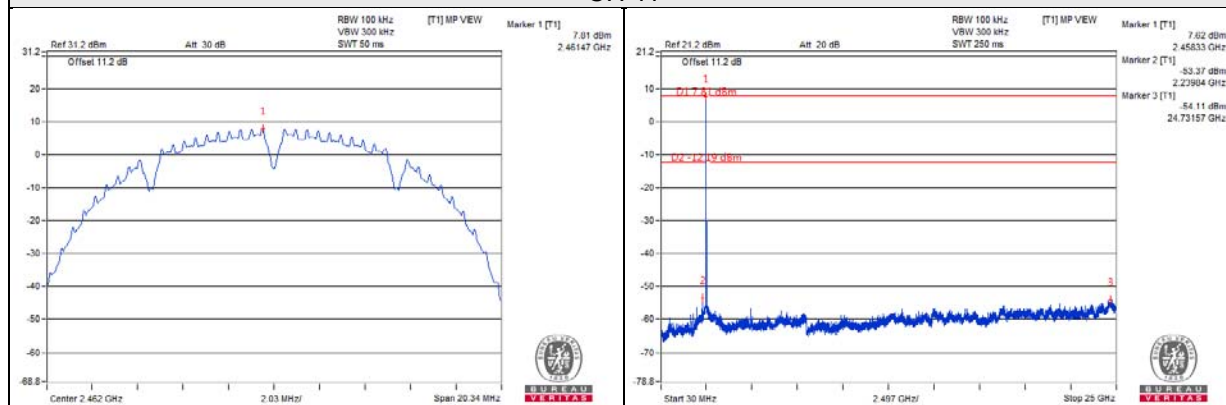
CH 1



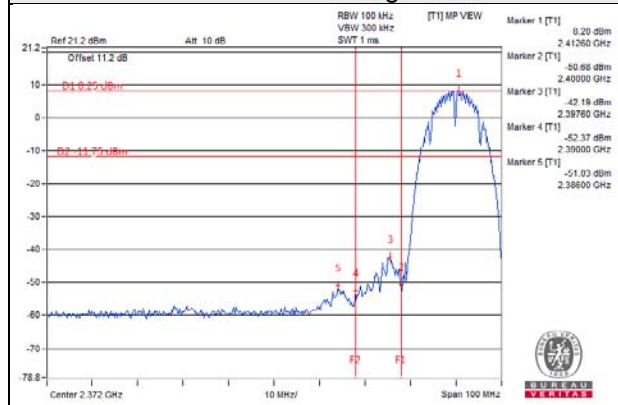
CH 6



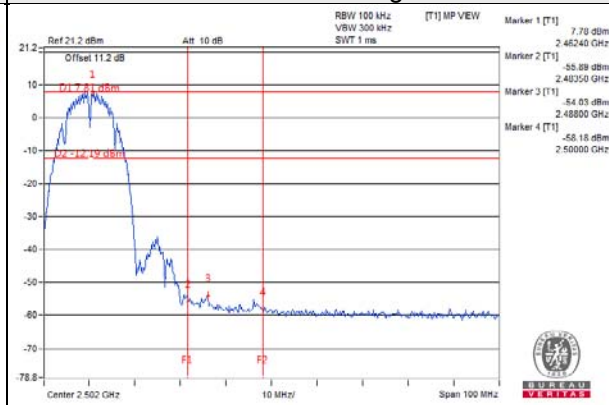
CH 11



CH 1 Band edge

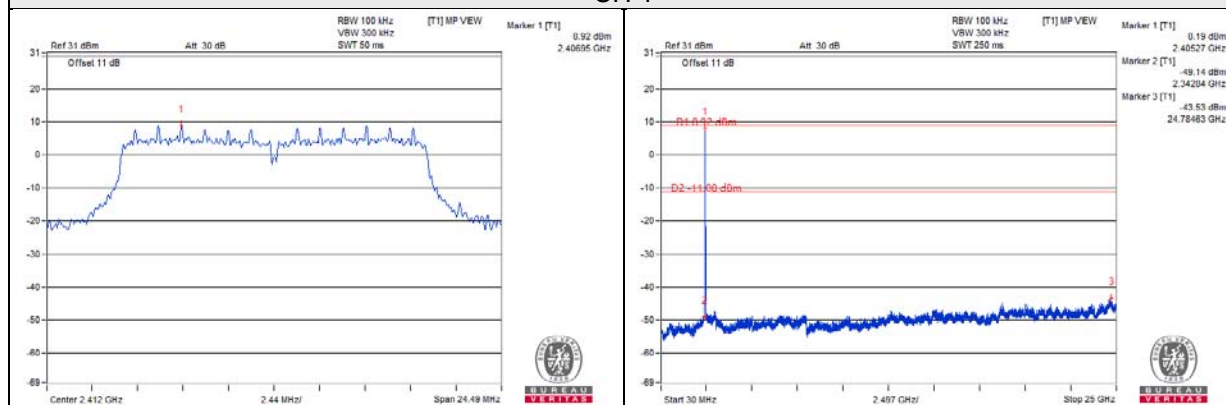


CH 11 Band edge

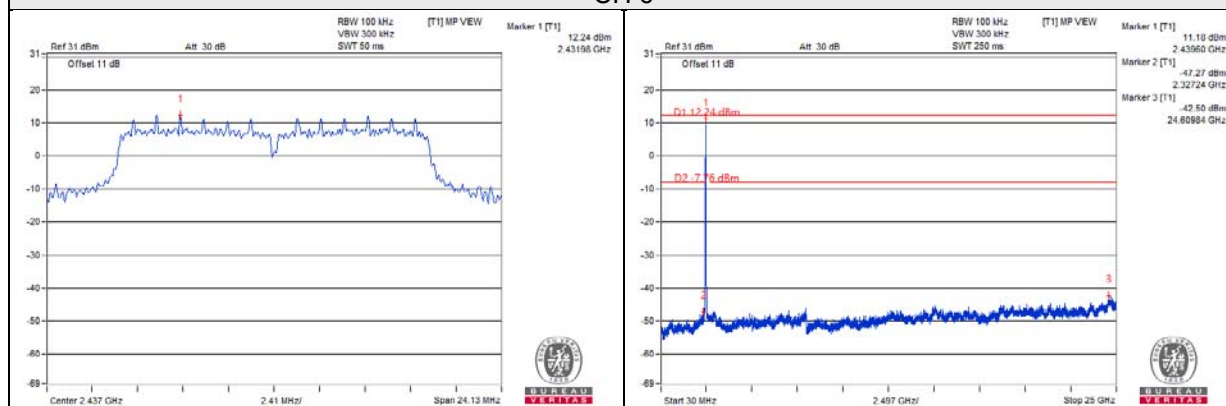


802.11g_Chain 0

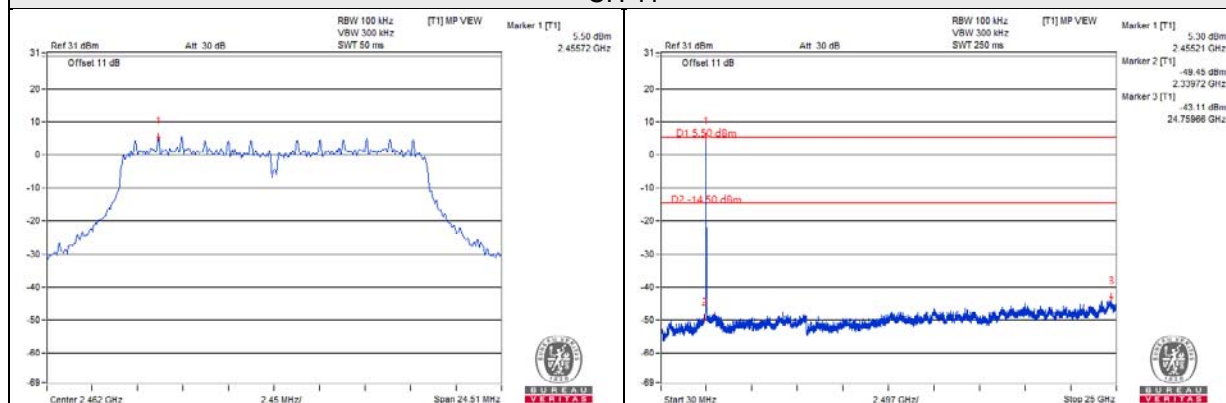
CH 1



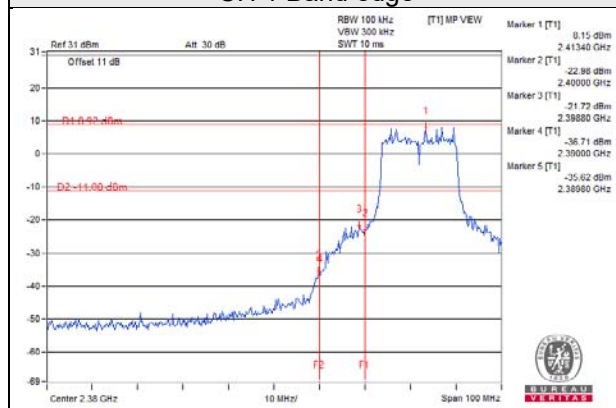
CH 6



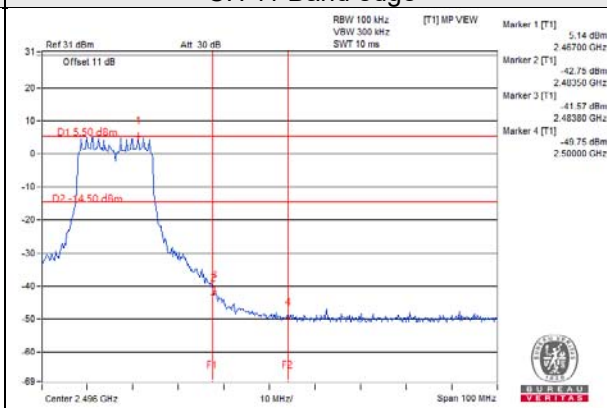
CH 11



CH 1 Band edge

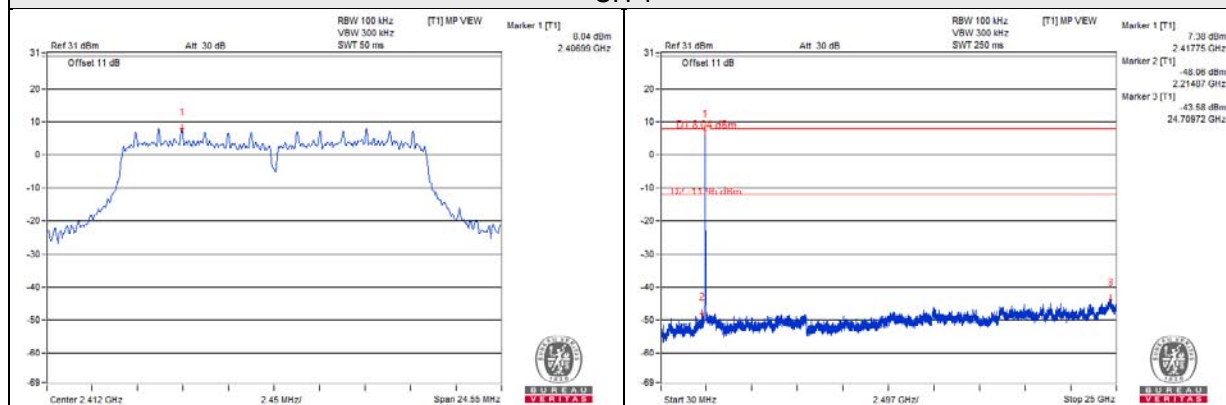


CH 11 Band edge

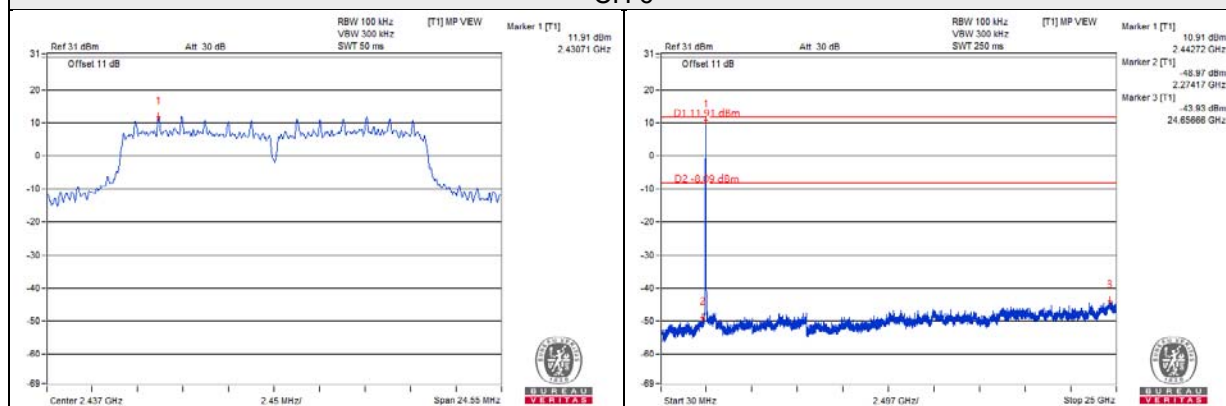


802.11g_Chain 1

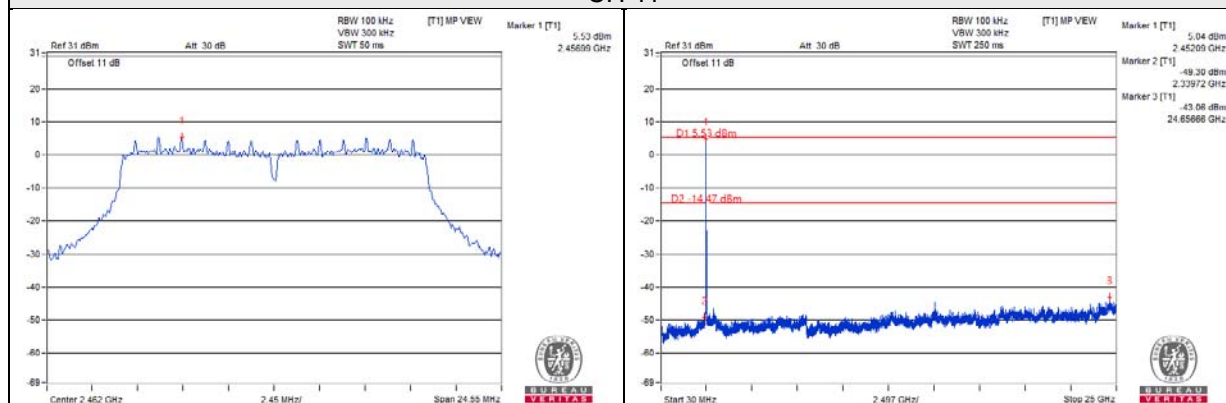
CH 1



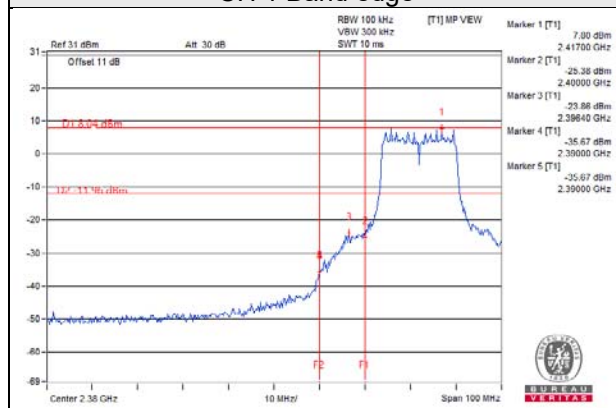
CH 6



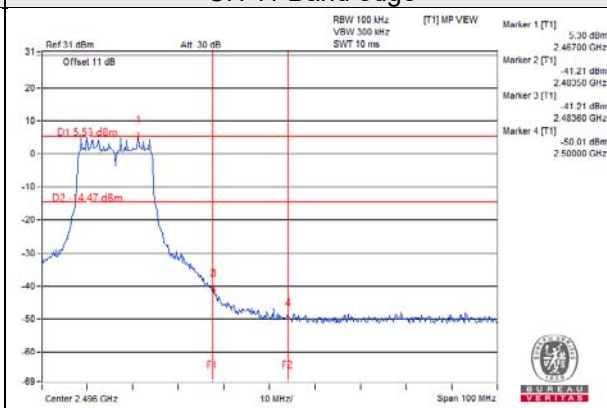
CH 11



CH 1 Band edge

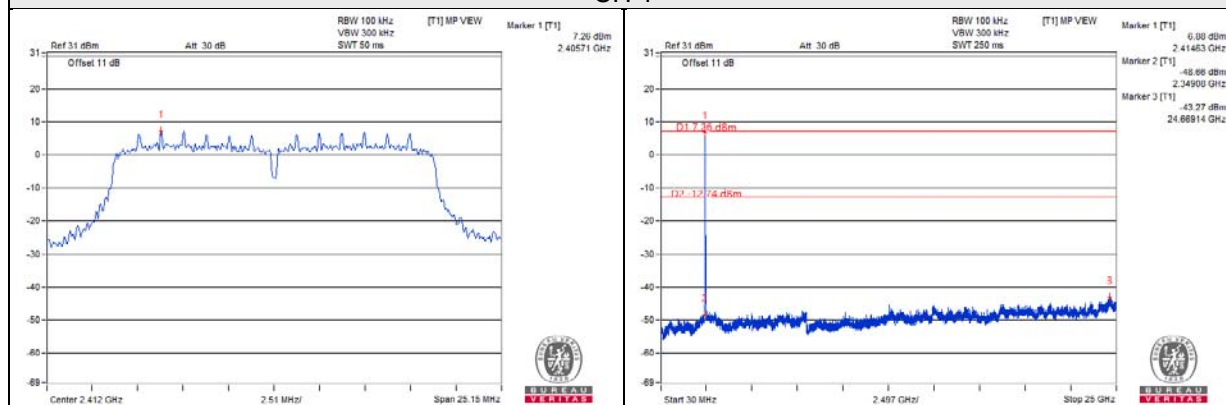


CH 11 Band edge

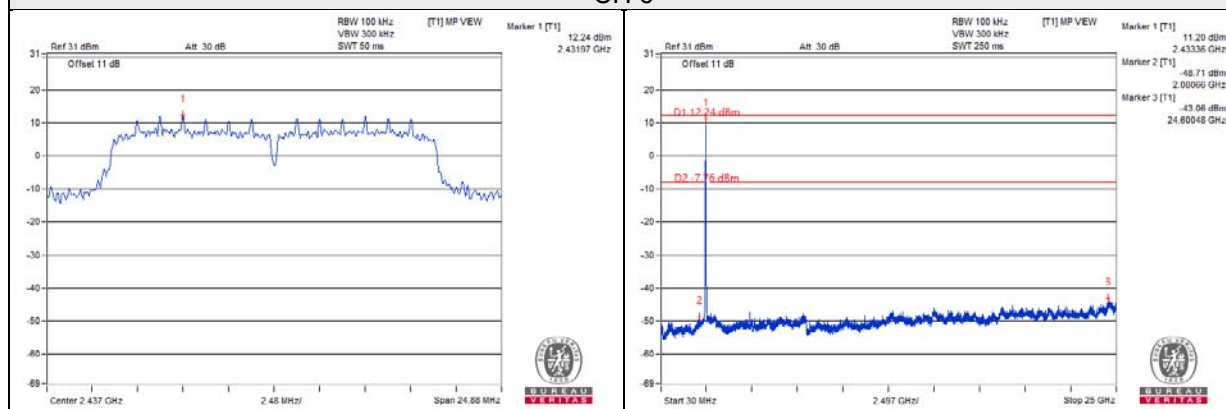


802.11n (VHT20)_Chain 0

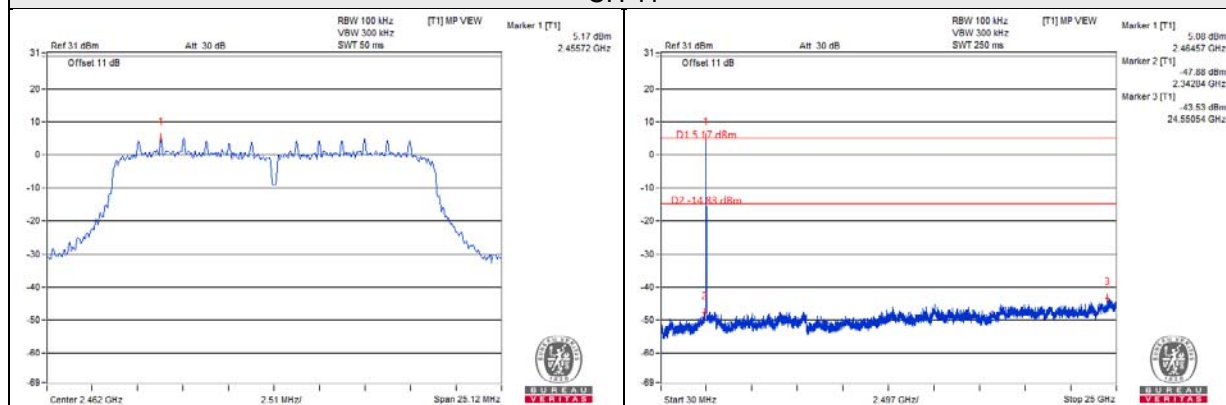
CH 1



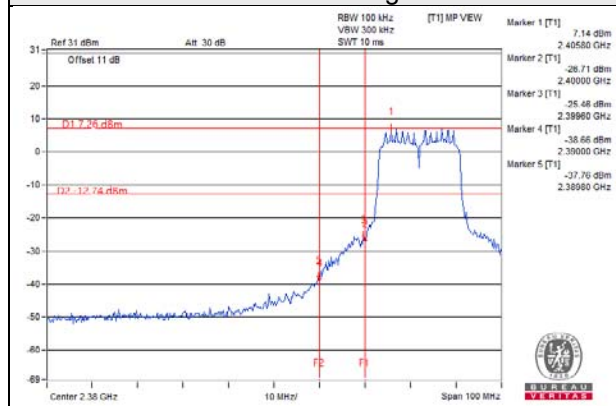
CH 6



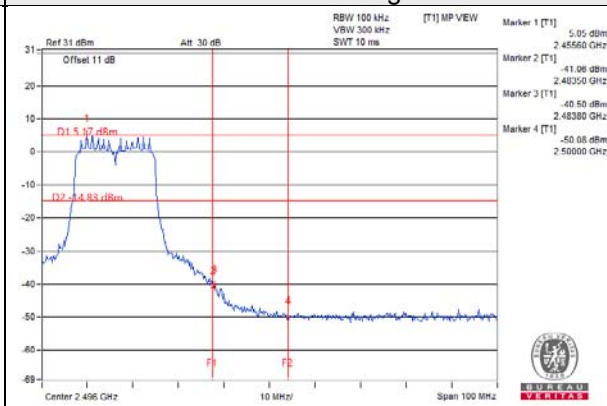
CH 11



CH 1 Band edge

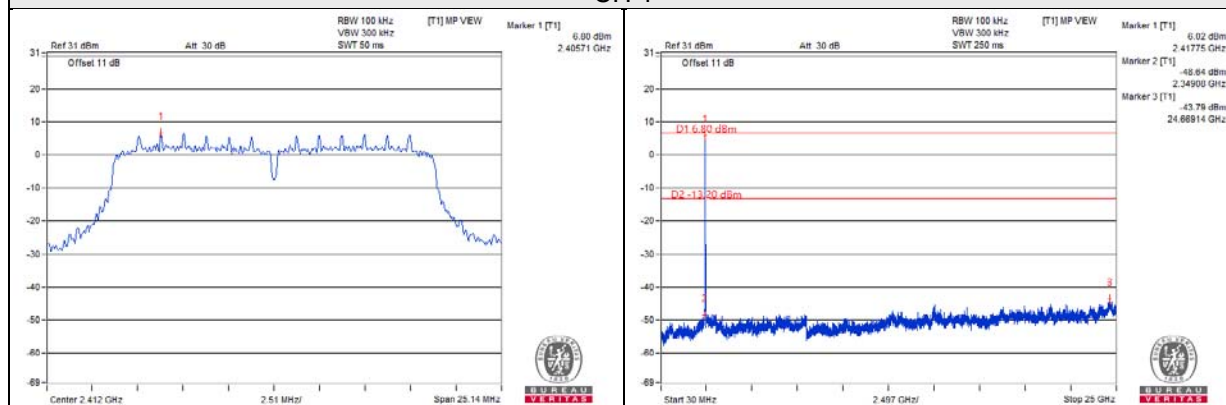


CH 11 Band edge

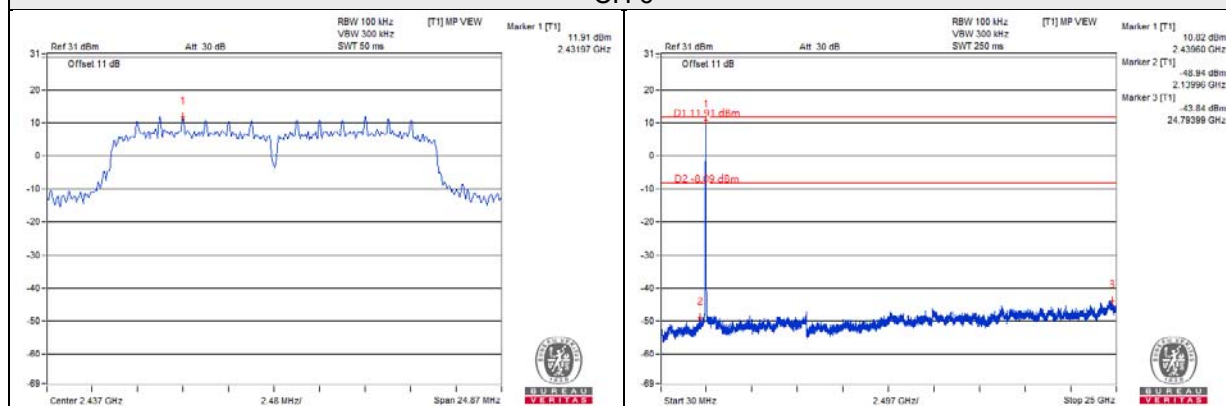


802.11n (VHT20)_Chain 1

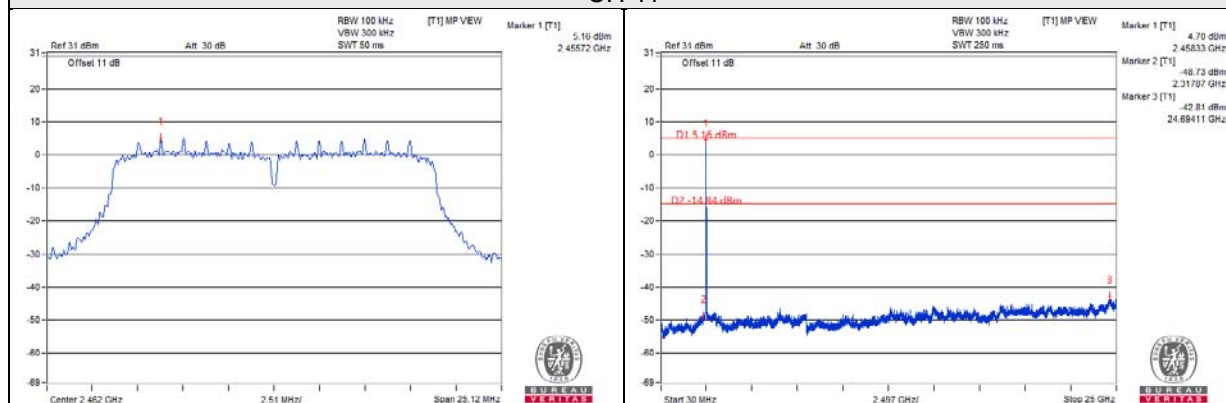
CH 1



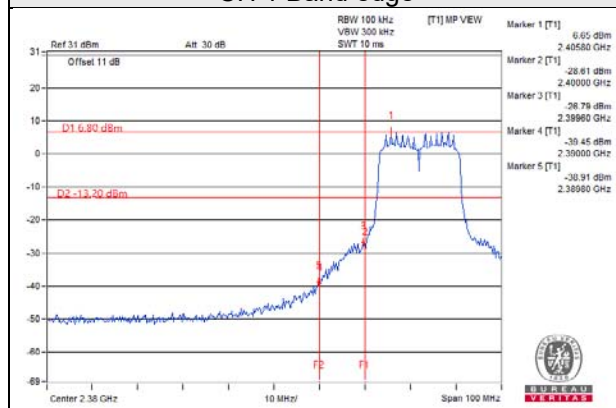
CH 6



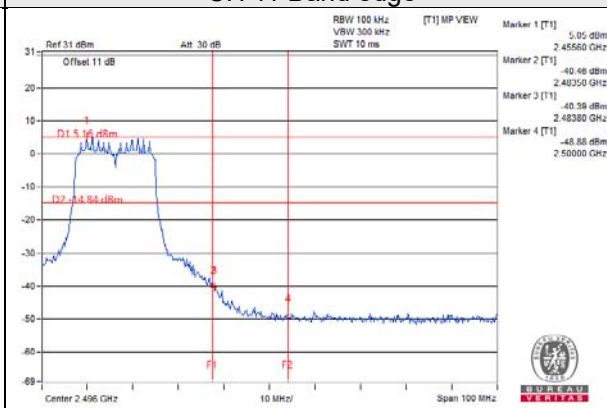
CH 11



CH 1 Band edge

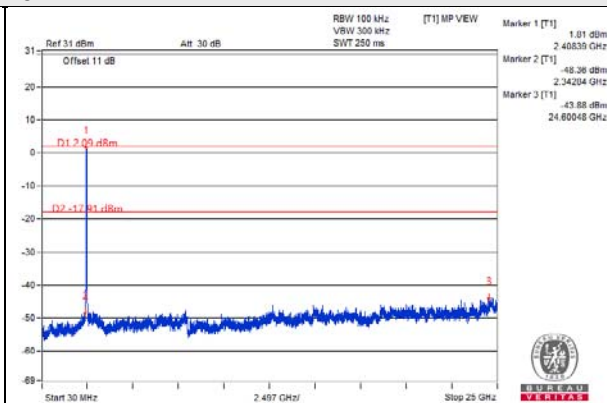
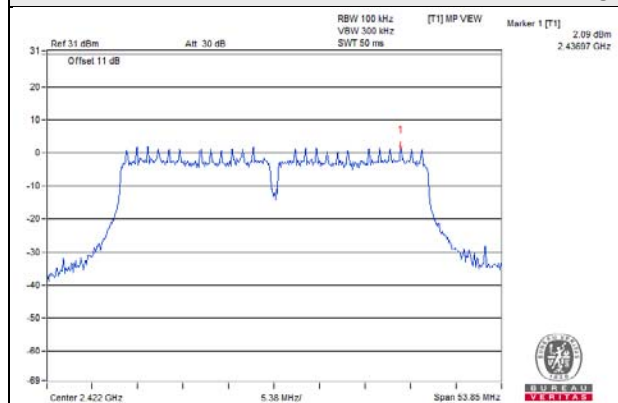


CH 11 Band edge

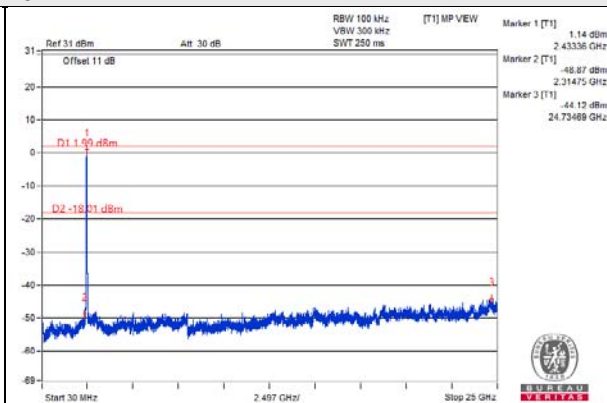
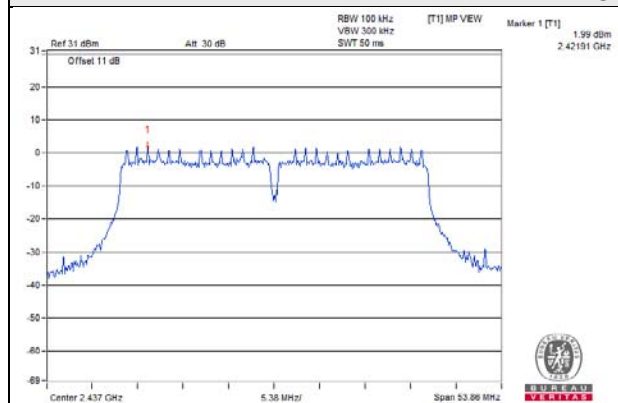


802.11n (VHT40)_Chain 0

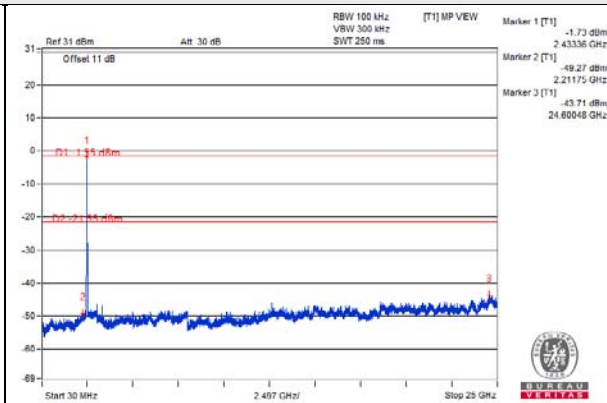
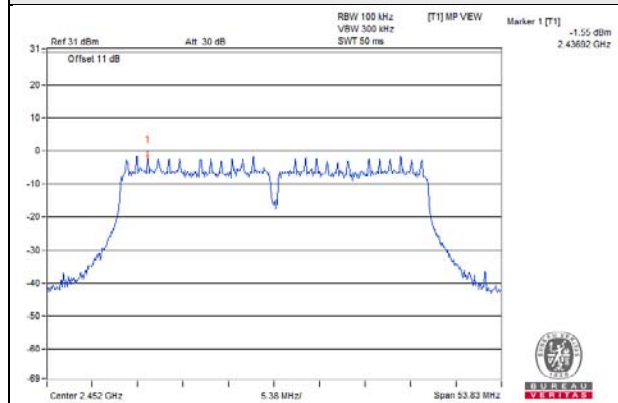
CH 3



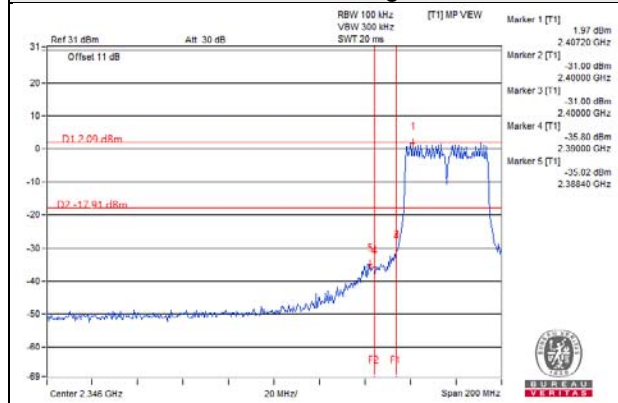
CH 6



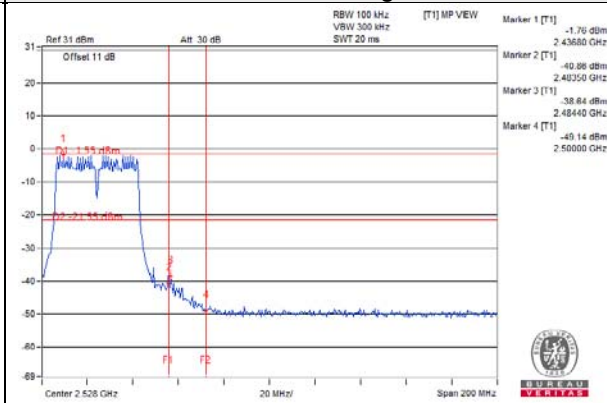
CH 9



CH 3 Band edge

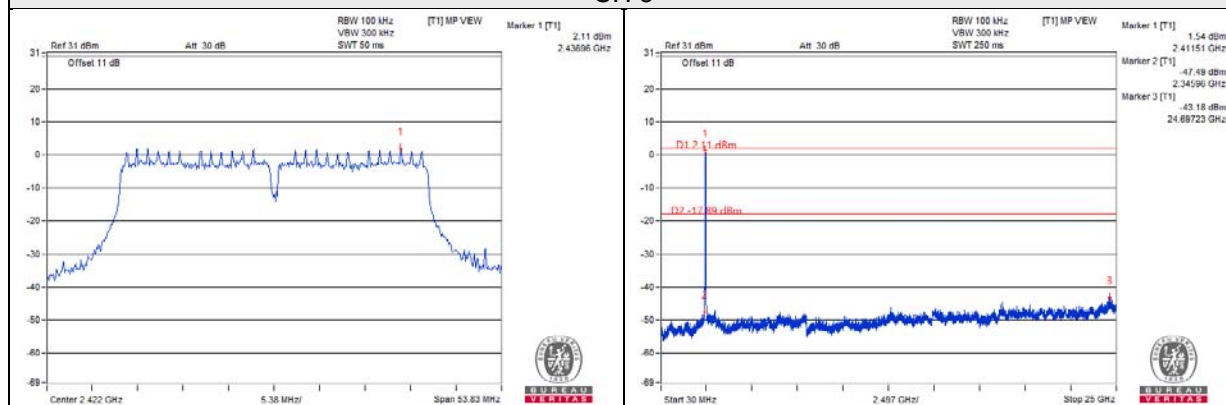


CH 9 Band edge

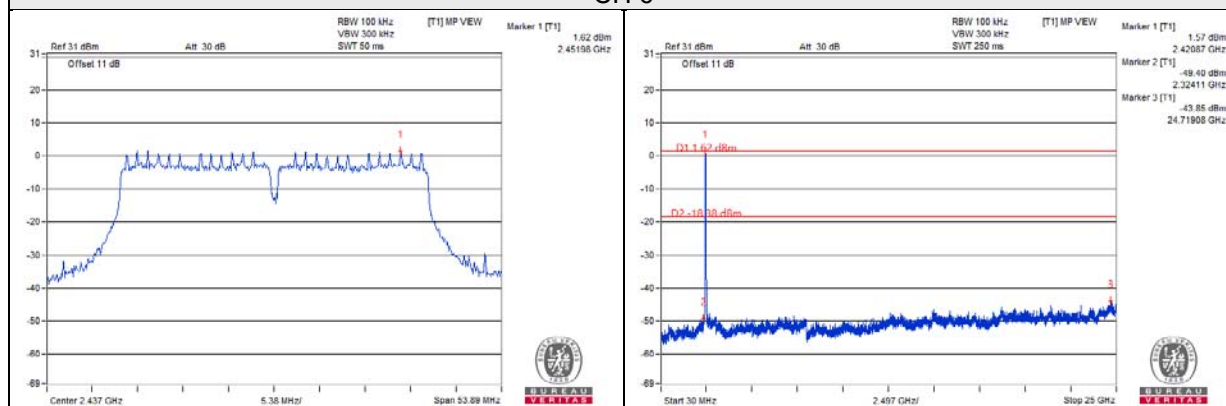


802.11n (VHT40)_Chain 1

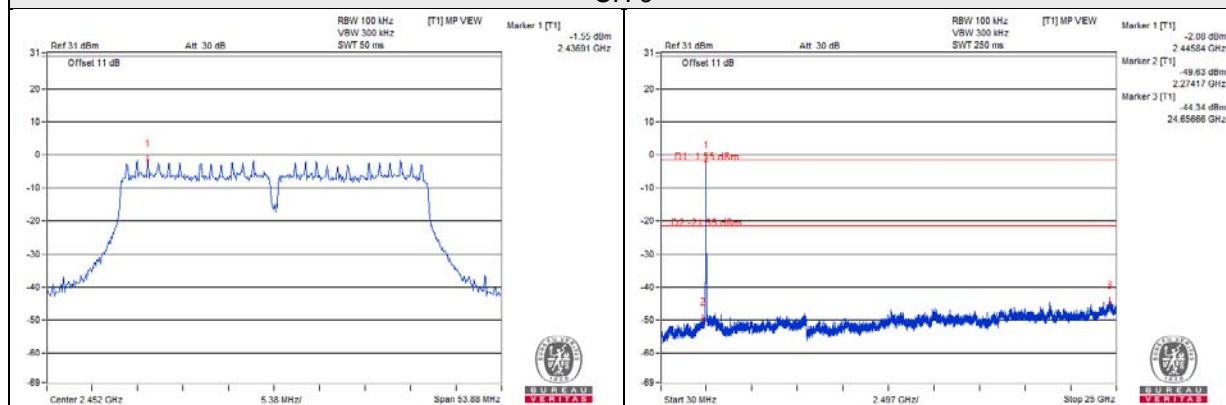
CH 3



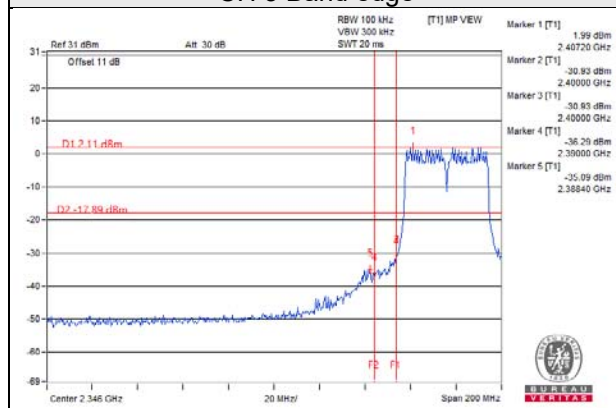
CH 6



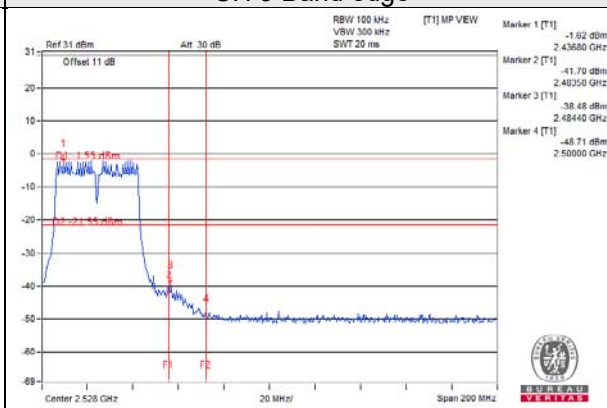
CH 9



CH 3 Band edge



CH 9 Band edge



4.10 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

5 電源線傳導干擾之量測

5.1 適用標準

請見本報告3.1節第1項的規定。

5.2 量測方法

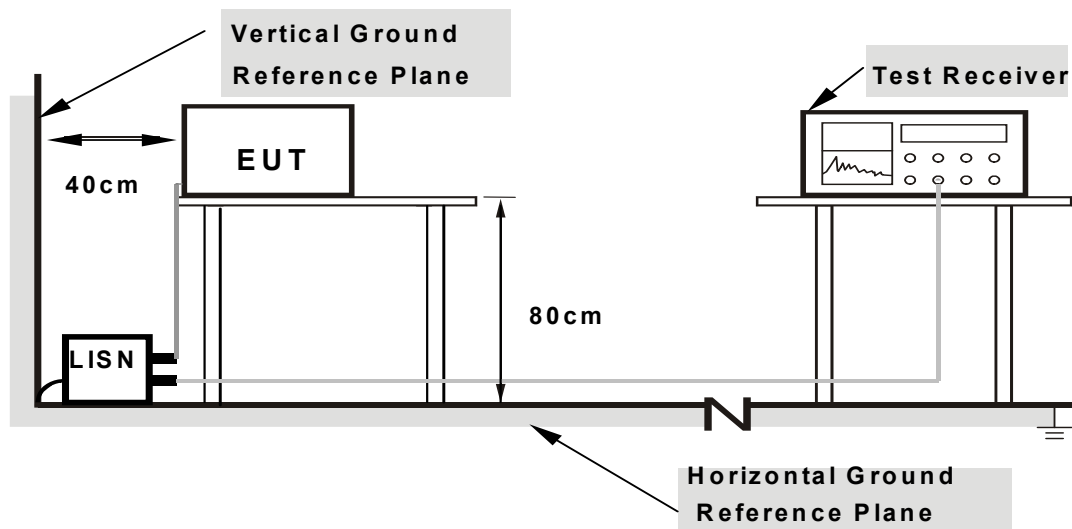
將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由0.15MHz至30MHz之間之電源線傳導放射強度。

5.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESR3	102783	Jan. 06, 2021	Jan. 05, 2022
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 04, 2020	Sep. 03, 2021
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Jan. 18, 2021	Jan. 17, 2022
V-LISN SCHWARZBECK (Peripheral)	NNBL 8226-2	8226-142	Jul. 31, 2020	Jul. 30, 2021
Software ADT	BV ADT_Conf_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HwaYa Shielded Room 2 (Conduction 2).
 3. The VCCI Site Registration No. is C-12047.
 4. The measurement uncertainty is 2.79 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

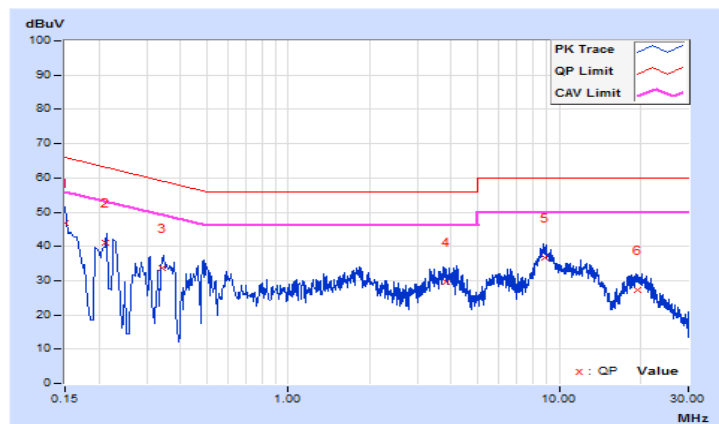
802.11n (VHT20)

操作模式	發射/接收	測試日期	110 年 02 月 19 日
基本波頻率	CH 6 : 2437 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	王泓諭		

		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	10.07	36.87	30.90	46.94	40.97	66.00	56.00	-19.06	-15.03
0.21015	10.08	31.04	15.80	41.12	25.88	63.20	53.20	-22.08	-27.32
0.34124	10.09	23.74	10.01	33.83	20.10	59.17	49.17	-25.34	-29.07
3.81000	10.21	19.51	9.88	29.72	20.09	56.00	46.00	-26.28	-25.91
8.82200	10.30	26.38	19.83	36.68	30.13	60.00	50.00	-23.32	-19.87
19.41400	10.44	16.88	8.40	27.32	18.84	60.00	50.00	-32.68	-31.16

Note:

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

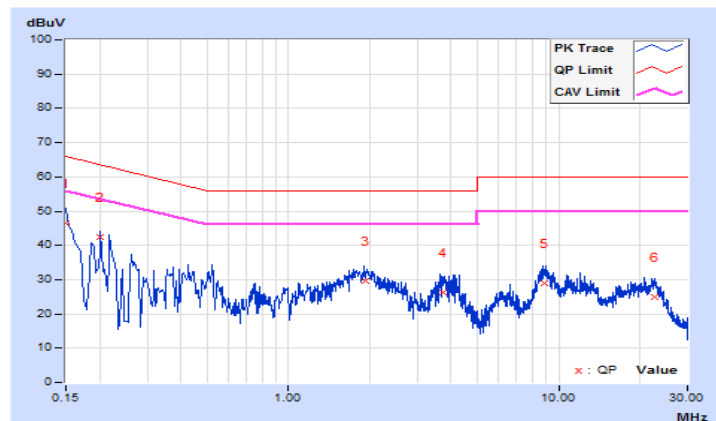


操作模式	發射/接收	測試日期	110 年 02 月 19 日
基本波頻率	CH 6 : 2437 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	王泓諭		

		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	10.08	36.24	28.75	46.32	38.83	66.00	56.00	-19.68	-17.17
0.19989	10.08	32.27	15.62	42.35	25.70	63.62	53.62	-21.27	-27.92
1.91648	10.17	19.31	9.33	29.48	19.50	56.00	46.00	-26.52	-26.50
3.73237	10.25	15.90	6.58	26.15	16.83	56.00	46.00	-29.85	-29.17
8.82600	10.38	18.66	11.37	29.04	21.75	60.00	50.00	-30.96	-28.25
22.58600	10.58	14.25	6.56	24.83	17.14	60.00	50.00	-35.17	-32.86

Note:

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



5.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

5.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BCWK-WTW-P20090194_TSup)。

6 發射(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

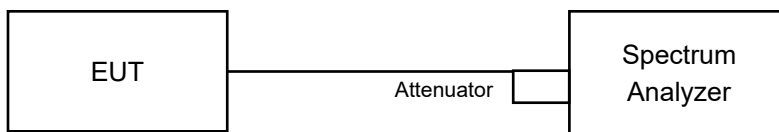
- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 計算由最大輸出功率峰值減6dB的最大頻率範圍。

6.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021

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 measurement uncertainty is 207Hz, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

6.4 測試配置



6.5 量測結果

操作模式	發射	測試日期	110 年 02 月 20 日 ~ 110 年 05 月 21 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳俊樺		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	9.13	9.12	0.5	Pass
6	2437	9.13	9.13	0.5	Pass
11	2462	9.58	9.13	0.5	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	16.33	16.37	0.5	Pass
6	2437	16.09	16.37	0.5	Pass
11	2462	16.34	16.37	0.5	Pass

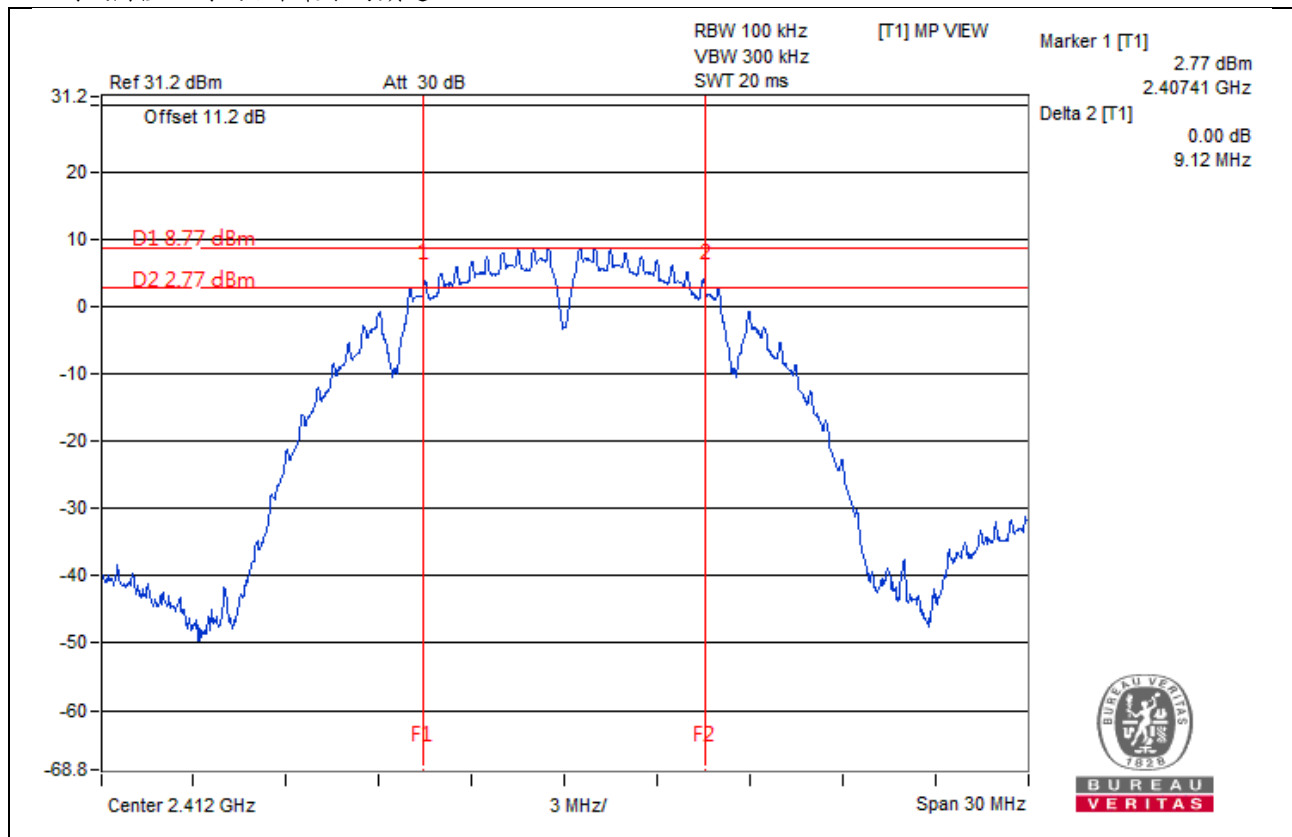
802.11n (VHT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	16.77	16.76	0.5	Pass
6	2437	16.59	16.58	0.5	Pass
11	2462	16.75	16.75	0.5	Pass

802.11n (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	35.90	35.89	0.5	Pass
6	2437	35.91	35.93	0.5	Pass
9	2452	35.89	35.92	0.5	Pass

**此測試圖僅放測試結果最小的頻道。



6.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

7 峰值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Power Meter上。
- 設定待測物處於連續發射狀態。
- 計算其輸出功率峰值。

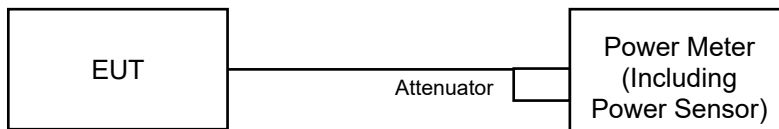
7.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
USB Wideband Power Meter KEYSIGHT	U2021XA	MY55050005/MY55190004/MY55210005	Jul. 13, 2020	Jul. 12, 2021

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

- The measurement uncertainty is 1.393dB, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- Measurement Bandwidth of U2021XA is 160MHz greater than 6dB bandwidth of emission.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	110 年 02 月 20 日 ~ 110 年 05 月 21 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳俊樺		

Peak Power

802.11b

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	20.61	20.92	238.675	23.78	30.00	Pass
6	2437	21.36	21.22	269.207	24.30	30.00	Pass
11	2462	20.57	20.34	222.168	23.47	30.00	Pass

802.11g

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	24.93	24.52	594.311	27.74	30.00	Pass
6	2437	23.58	23.34	443.809	26.47	30.00	Pass
11	2462	22.55	21.96	336.923	25.28	30.00	Pass

802.11n (HT20)

Channel	Frequency (MHz)	Peak Power (dBm))		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	21.48	21.31	275.812	24.41	30.00	Pass
6	2437	23.12	23.02	405.563	26.08	30.00	Pass
11	2462	19.08	18.92	158.893	22.01	30.00	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	21.81	21.52	293.611	24.68	30.00	Pass
6	2437	21.68	21.23	279.971	24.47	30.00	Pass
9	2452	18.15	17.94	127.543	21.06	30.00	Pass

802.11n (VHT20)

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	21.57	21.57	280.322	24.48	30.00	Pass
6	2437	23.34	23.34	417.611	26.21	30.00	Pass
11	2462	19.15	19.15	161.110	22.07	30.00	Pass

802.11n (VHT40)

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	21.84	21.57	296.306	24.72	30.00	Pass
6	2437	21.77	21.32	285.833	24.56	30.00	Pass
9	2452	18.23	17.98	129.333	21.12	30.00	Pass

Average Power

802.11b

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	17.98	18.16	128.269	21.08
6	2437	18.89	18.44	147.269	21.68
11	2462	17.83	17.67	119.153	20.76

802.11g

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	18.34	17.53	124.858	20.96
6	2437	18.71	18.49	144.934	21.61
11	2462	14.54	14.31	55.422	17.44

802.11n (HT20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	16.42	16.28	86.315	19.36
6	2437	18.67	18.49	144.252	21.59
11	2462	14.05	13.97	50.356	17.02

802.11n (HT40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	14.05	14.01	50.586	17.04
6	2437	14.27	13.91	51.334	17.10
9	2452	10.26	10.07	20.779	13.18

802.11n (VHT20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	16.47	16.32	87.216	19.41
6	2437	18.73	18.54	146.095	21.65
11	2462	14.12	14.03	51.116	17.09

802.11n (VHT40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	14.11	14.06	51.232	17.10
6	2437	14.31	13.96	51.866	17.15
9	2452	10.34	10.17	21.214	13.27

7.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

8 功率頻譜密度之量測

8.1 適用標準

請見本報告3.1節第7項(I)的規定。

8.2 量測方法

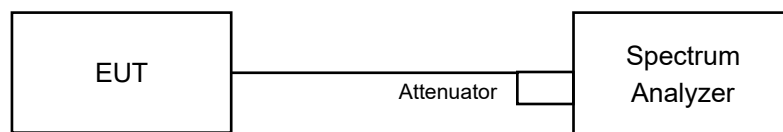
- 將待測物之天線埠連接至測試儀器。
- 設定解析頻寬為 3kHz，視訊頻寬為 10kHz，掃描時間設為自動，直至掃描信號穩定。
- 使用峰值功能鍵，並找到最大的峰值準位。

8.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021

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 measurement uncertainty is 207Hz, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

8.4 測試配置



8.5 量測結果

操作模式	發射	測試日期	110 年 02 月 20 日 ~ 110 年 05 月 21 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳俊樺		

802.11b

TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-12.95	3.01	-9.94	8.00	Pass
	6	2437	-12.15	3.01	-9.14	8.00	Pass
	11	2462	-13.41	3.01	-10.4	8.00	Pass
1	1	2412	-11.62	3.01	-8.61	8.00	Pass
	6	2437	-11.80	3.01	-8.79	8.00	Pass
	11	2462	-12.23	3.01	-9.22	8.00	Pass

Note:

- Method E) 2) c) 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.
- Directional gain = $2.07\text{dBi} + 10\log(2) = 5.08\text{dBi} < 6\text{dBi}$, so the power density limit is not reduced.

802.11g

TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-6.48	3.01	-3.47	8.00	Pass
	6	2437	-2.75	3.01	0.26	8.00	Pass
	11	2462	-9.35	3.01	-6.34	8.00	Pass
1	1	2412	-6.62	3.01	-3.61	8.00	Pass
	6	2437	-3.47	3.01	-0.46	8.00	Pass
	11	2462	-9.10	3.01	-6.09	8.00	Pass

Note:

- Method E) 2) c) 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.
- Directional gain = $2.07\text{dBi} + 10\log(2) = 5.08\text{dBi} < 6\text{dBi}$, so the power density limit is not reduced.

802.11n (VHT20)

TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-7.67	3.01	-4.66	8.00	Pass
	6	2437	-2.85	3.01	0.16	8.00	Pass
	11	2462	-10.08	3.01	-7.07	8.00	Pass
1	1	2412	-8.18	3.01	-5.17	8.00	Pass
	6	2437	-3.17	3.01	-0.16	8.00	Pass
	11	2462	-9.77	3.01	-6.76	8.00	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $2.07\text{dBi} + 10\log(2) = 5.08\text{dBi} < 6\text{dBi}$, so the power density limit is not reduced.

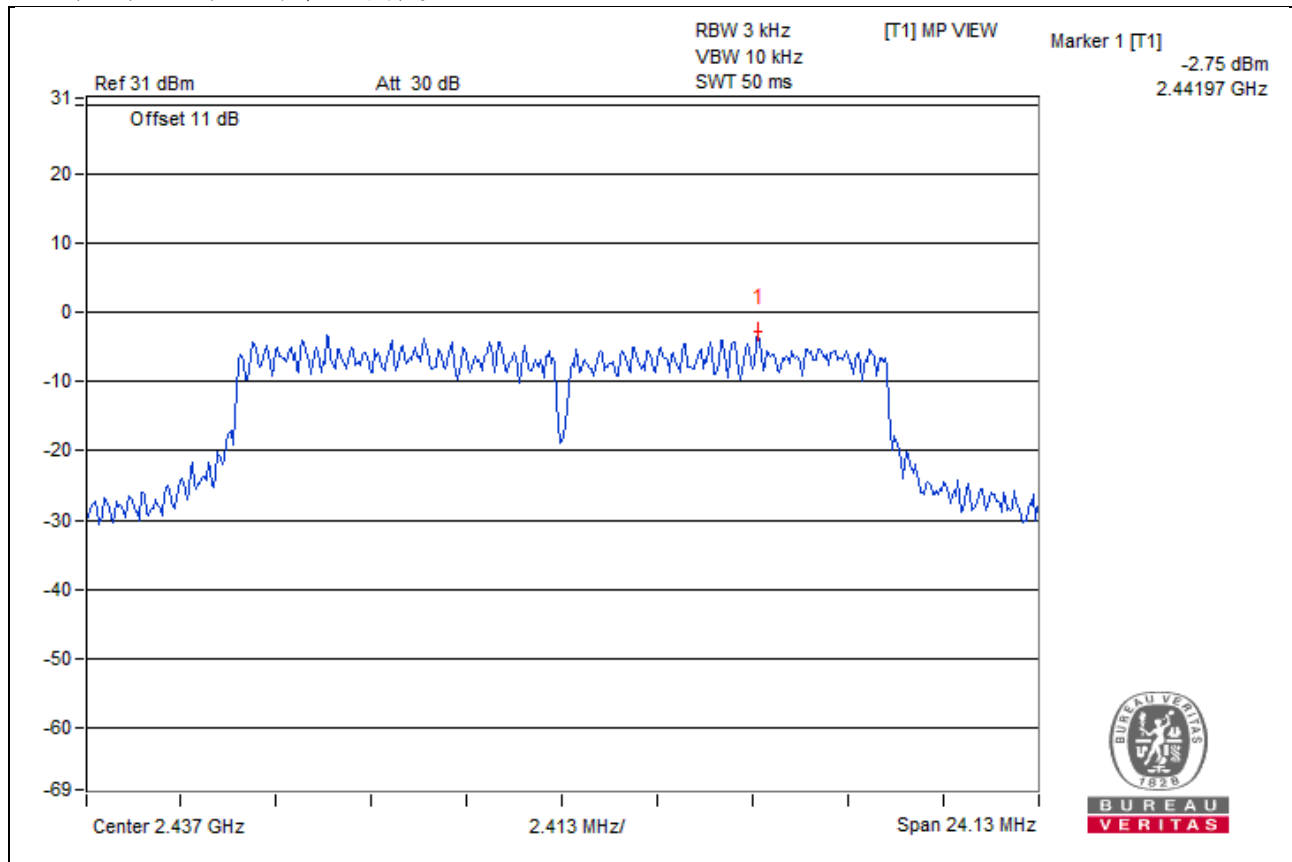
802.11n (VHT40)

TX chain	Channel	Frequency (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	3	2412	-13.51	3.01	-10.50	8.00	Pass
	6	2437	-14.08	3.01	-11.07	8.00	Pass
	9	2462	-17.07	3.01	-14.06	8.00	Pass
1	3	2412	-13.47	3.01	-10.46	8.00	Pass
	6	2437	-13.91	3.01	-10.90	8.00	Pass
	9	2462	-17.13	3.01	-14.12	8.00	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.
2. Directional gain = $2.07\text{dBi} + 10\log(2) = 5.08\text{dBi} < 6\text{dBi}$, so the power density limit is not reduced.

**此測試圖僅放測試結果最差的頻道。



8.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

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。

Note: 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	
技術規範 5.7.4.6 節不必要發射頻率屬 3.5 節規定頻段者，應符合 3.6 節之規定		Field Strength at 3m	
		PK:74 (dBuV/m)	AV:54 (dBuV/m)
操作頻帶	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 5.7.4.1 節	PK:-27 (dBm/MHz)	PK:68.2(dBuV/m)
5250~5350 MHz	技術規範 5.7.4.1 節		
5470~5725 MHz	技術規範 5.7.4.1 節		
5725~5850 MHz	技術規範 5.7.4.2 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(dBuV/m) ^{*1} PK:105.2 (dBuV/m) ^{*2} PK: 110.8(dBuV/m) ^{*3} PK:122.2 (dBuV/m) ^{*4}
^{*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。

量測結果請見下頁。

9.6 量測結果

9.6.1 發射諧波

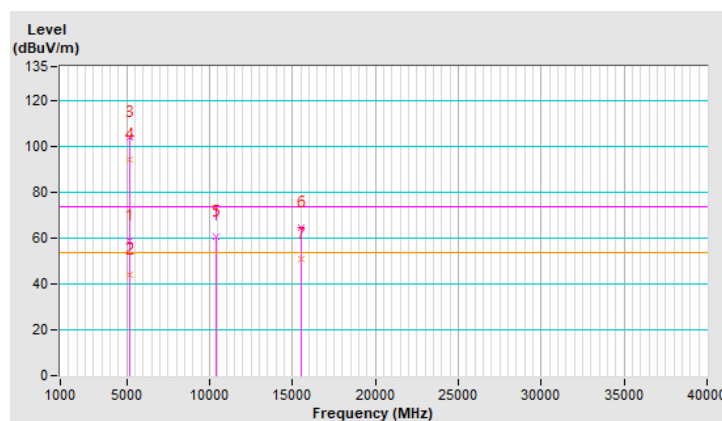
802.11a

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=10Hz
量測場地溫度：	22℃	量測場地濕度：	68%RH
測試日期：	110 年 02 月 02 日	測試者：	林聖博

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	58.7 PK	74.0	-15.3	2.53 H	87	56.5	2.2
2	5150.00	43.8 AV	54.0	-10.2	2.53 H	87	41.6	2.2
3	*5180.00	104.2 PK			2.53 H	87	67.8	36.4
4	*5180.00	94.1 AV			2.53 H	87	57.7	36.4
5	#10360.00	60.9 PK	68.2	-7.3	3.83 H	162	45.7	15.2
6	15540.00	64.7 PK	74.0	-9.3	2.51 H	139	46.8	17.9
7	15540.00	51.1 AV	54.0	-2.9	2.51 H	139	33.2	17.9
	20720.00	-	-	-	-	-	-	-
	25900.00	-	-	-	-	-	-	-
	31080.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



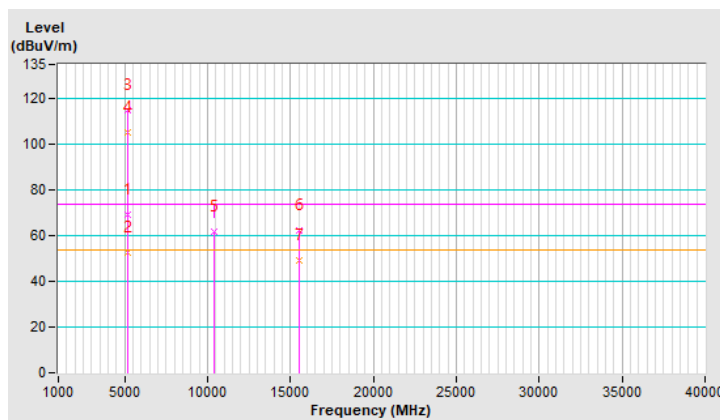
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 36 : 5180 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.3 PK	74.0	-4.7	1.86 V	189	67.1	2.2
2	5150.00	52.5 AV	54.0	-1.5	1.86 V	189	50.3	2.2
3	*5180.00	115.0 PK			1.86 V	189	78.6	36.4
4	*5180.00	105.1 AV			1.86 V	189	68.7	36.4
5	#10360.00	61.5 PK	68.2	-6.7	1.81 V	221	46.3	15.2
6	15540.00	62.4 PK	74.0	-11.6	2.40 V	5	44.5	17.9
7	15540.00	49.0 AV	54.0	-5.0	2.40 V	5	31.1	17.9
	20720.00	-	-	-	-	-	-	-
	25900.00	-	-	-	-	-	-	-
	31080.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

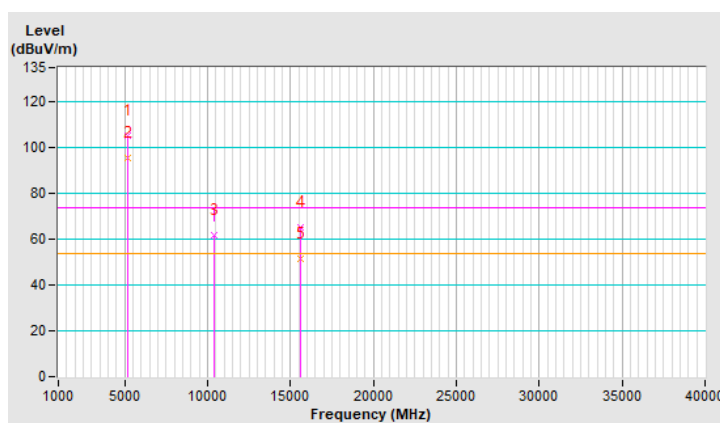


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

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	105.3 PK			2.49 H	92	68.9	36.4
2	*5200.00	95.3 AV			2.49 H	92	58.9	36.4
3	#10400.00	61.7 PK	68.2	-6.5	3.87 H	157	46.5	15.2
4	15600.00	65.2 PK	74.0	-8.8	2.57 H	131	47.5	17.7
5	15600.00	51.5 AV	54.0	-2.5	2.57 H	131	33.8	17.7
	20800.00	-	-	-	-	-	-	-
	26000.00	-	-	-	-	-	-	-
	31200.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

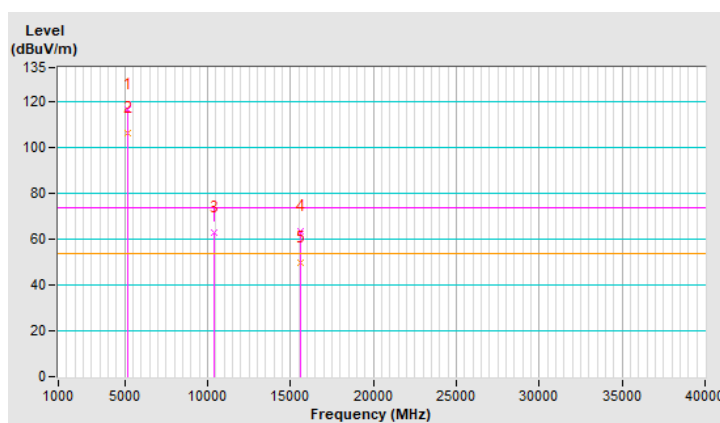


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	林聖博

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	116.6 PK			1.80 V	186	80.2	36.4
2	*5200.00	106.6 AV			1.80 V	186	70.2	36.4
3	#10400.00	63.2 PK	68.2	-5.0	1.83 V	225	48.0	15.2
4	15600.00	63.7 PK	74.0	-10.3	2.48 V	8	46.0	17.7
5	15600.00	49.7 AV	54.0	-4.3	2.48 V	8	32.0	17.7
	20800.00	-	-	-	-	-	-	-
	26000.00	-	-	-	-	-	-	-
	31200.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

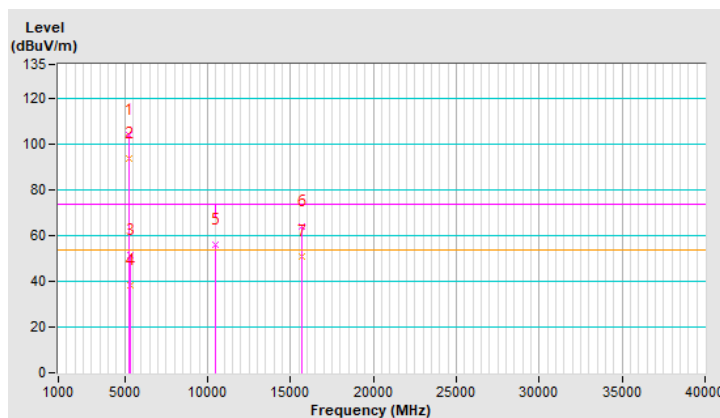


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 48 : 5240 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	104.0 PK			2.48 H	103	67.7	36.3
2	*5240.00	94.0 AV			2.48 H	103	57.7	36.3
3	5350.00	51.6 PK	74.0	-22.4	2.48 H	103	49.6	2.0
4	5350.00	38.2 AV	54.0	-15.8	2.48 H	103	36.2	2.0
5	#10480.00	56.2 PK	68.2	-12.0	3.84 H	166	41.1	15.1
6	15720.00	63.8 PK	74.0	-10.2	2.60 H	130	46.9	16.9
7	15720.00	51.1 AV	54.0	-2.9	2.60 H	130	34.2	16.9
	20960.00	-	-	-	-	-	-	-
	26200.00	-	-	-	-	-	-	-
	31440.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

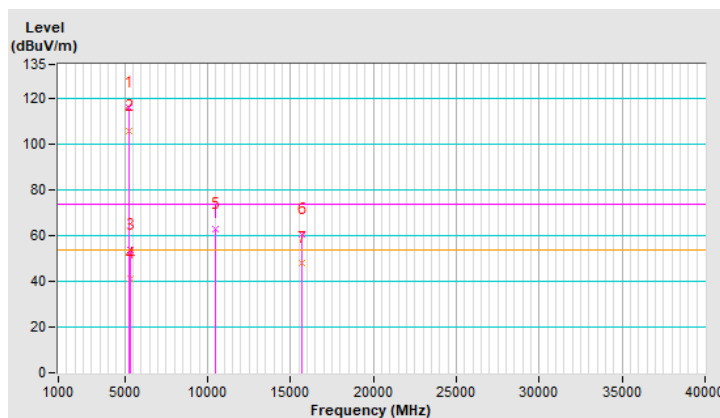


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 48 : 5240 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	115.9 PK			1.88 V	182	79.6	36.3
2	*5240.00	105.9 AV			1.88 V	182	69.6	36.3
3	5350.00	53.9 PK	74.0	-20.1	1.88 V	182	51.9	2.0
4	5350.00	41.1 AV	54.0	-12.9	1.88 V	182	39.1	2.0
5	#10480.00	62.8 PK	68.2	-5.4	1.81 V	225	47.7	15.1
6	15720.00	60.4 PK	74.0	-13.6	2.41 V	5	43.5	16.9
7	15720.00	47.9 AV	54.0	-6.1	2.41 V	5	31.0	16.9
	20960.00	-	-	-	-	-	-	-
	26200.00	-	-	-	-	-	-	-
	31440.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

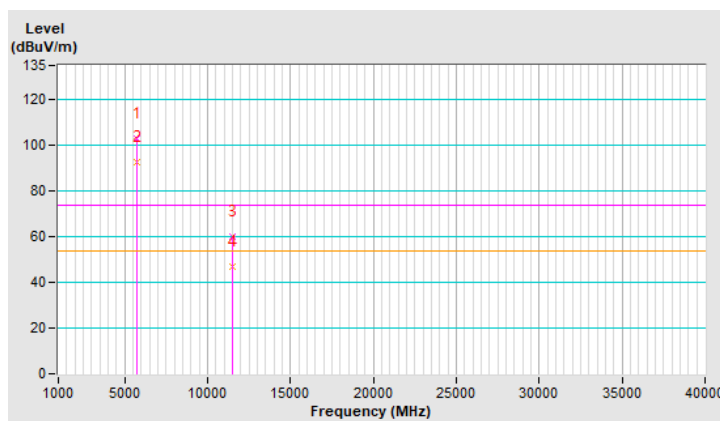


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	102.8 PK			3.23 H	109	65.5	37.3
2	*5745.00	92.7 AV			3.23 H	109	55.4	37.3
3	11490.00	59.9 PK	74.0	-14.1	3.60 H	294	44.1	15.8
4	11490.00	46.9 AV	54.0	-7.1	3.60 H	294	31.1	15.8
	17235.00	-	-	-	-	-	-	-
	22980.00	-	-	-	-	-	-	-
	28725.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

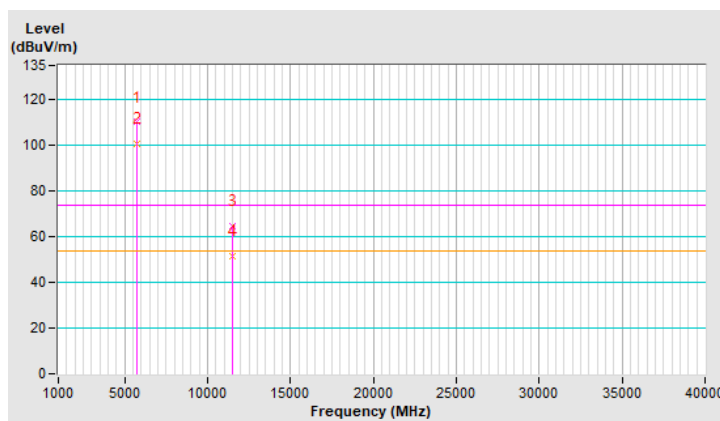


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MH	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	110.1 PK			3.04 V	96	72.8	37.3
2	*5745.00	100.7 AV			3.04 V	96	63.4	37.3
3	11490.00	64.5 PK	74.0	-9.5	2.07 V	223	48.7	15.8
4	11490.00	51.7 AV	54.0	-2.3	2.07 V	223	35.9	15.8
	17235.00	-	-	-	-	-	-	-
	22980.00	-	-	-	-	-	-	-
	28725.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

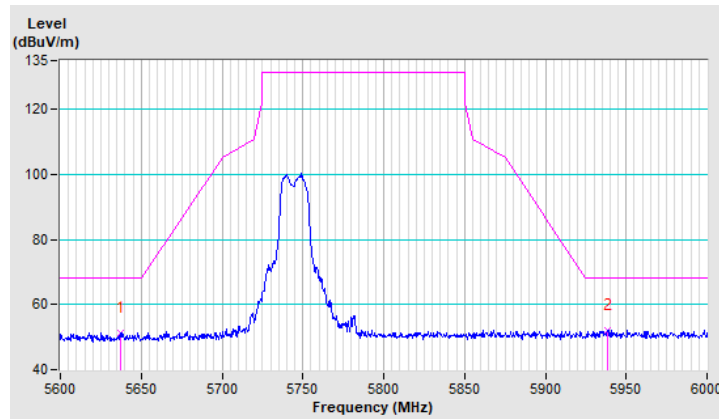


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	#5637.60	51.4 PK	68.2	-16.8	3.22 H	109	48.7	2.7
2	#5938.80	52.1 PK	68.2	-16.1	3.22 H	109	48.6	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

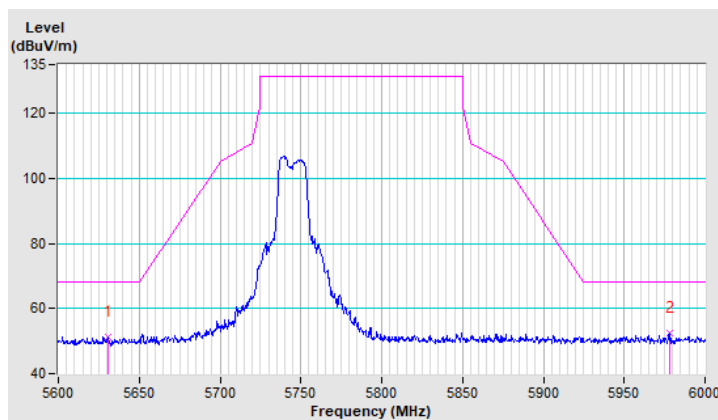


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	#5630.40	51.3 PK	68.2	-16.9	3.04 V	96	48.6	2.7
2	#5978.00	52.4 PK	68.2	-15.8	3.04 V	96	49.0	3.4

Remarks:

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

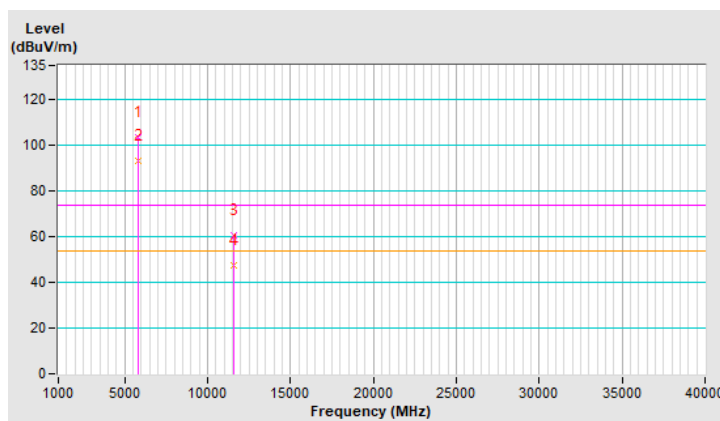


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	103.5 PK			3.38 H	109	66.0	37.5
2	*5785.00	93.4 AV			3.38 H	109	55.9	37.5
3	11570.00	60.8 PK	74.0	-13.2	3.61 H	294	45.4	15.4
4	11570.00	47.5 AV	54.0	-6.5	3.61 H	294	32.1	15.4
	17355.00	-	-	-	-	-	-	-
	23140.00	-	-	-	-	-	-	-
	28925.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

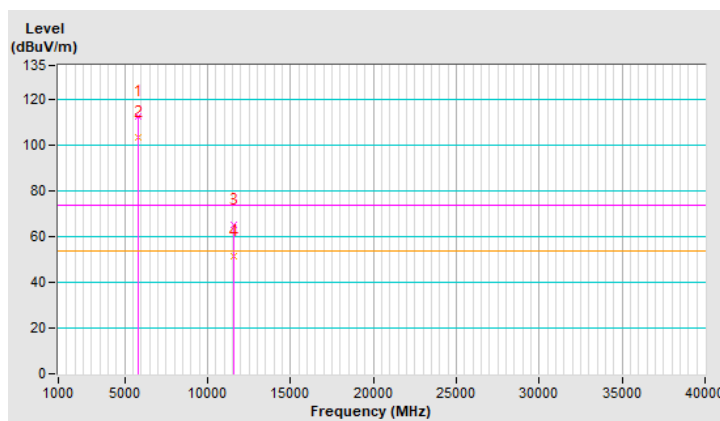


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	112.8 PK			2.91 V	89	75.3	37.5
2	*5785.00	103.3 AV			2.91 V	89	65.8	37.5
3	11570.00	65.1 PK	74.0	-8.9	2.07 V	219	49.7	15.4
4	11570.00	51.5 AV	54.0	-2.5	2.07 V	219	36.1	15.4
	17355.00	-	-	-	-	-	-	-
	23140.00	-	-	-	-	-	-	-
	28925.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

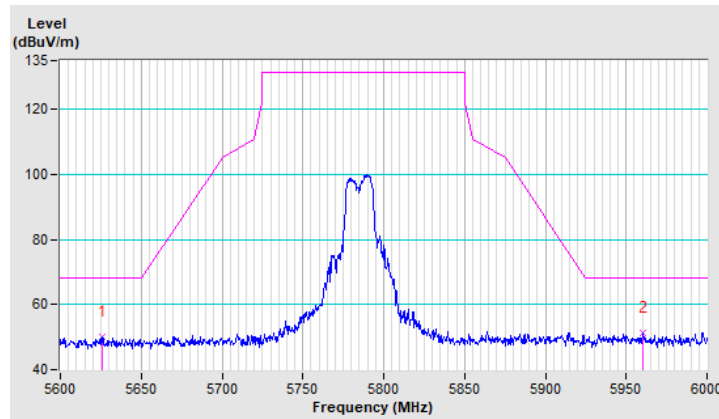


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	#5626.00	50.1 PK	68.2	-18.1	3.38 H	109	47.4	2.7
2	#5960.00	51.1 PK	68.2	-17.1	3.08 H	109	47.6	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

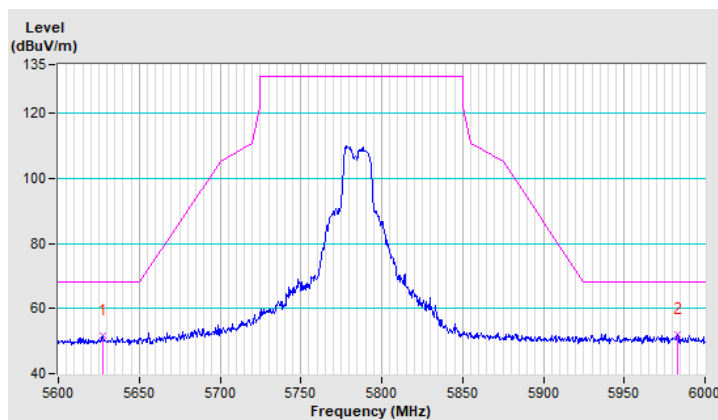


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	#5627.20	51.5 PK	68.2	-16.7	2.91 V	89	48.8	2.7
2	#5983.20	52.1 PK	68.2	-16.1	2.91 V	89	48.7	3.4

Remarks:

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

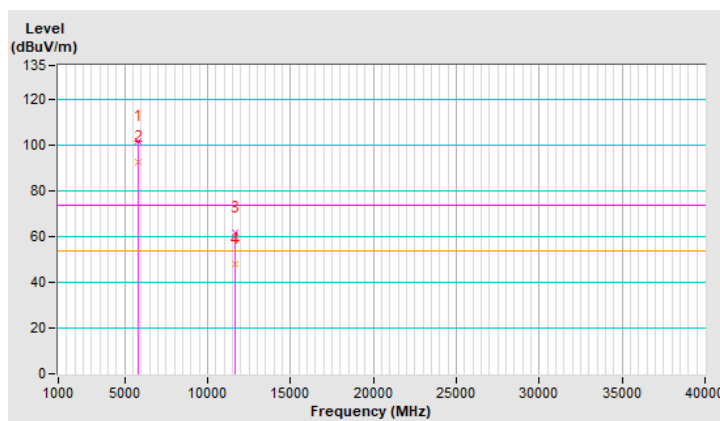


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	101.6 PK			3.23 H	113	64.0	37.6
2	*5825.00	92.6 AV			3.23 H	113	55.0	37.6
3	11650.00	61.7 PK	74.0	-12.3	3.60 H	292	46.2	15.5
4	11650.00	48.1 AV	54.0	-5.9	3.60 H	292	32.6	15.5
	17475.00	-	-	-	-	-	-	-
	23300.00	-	-	-	-	-	-	-
	29125.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

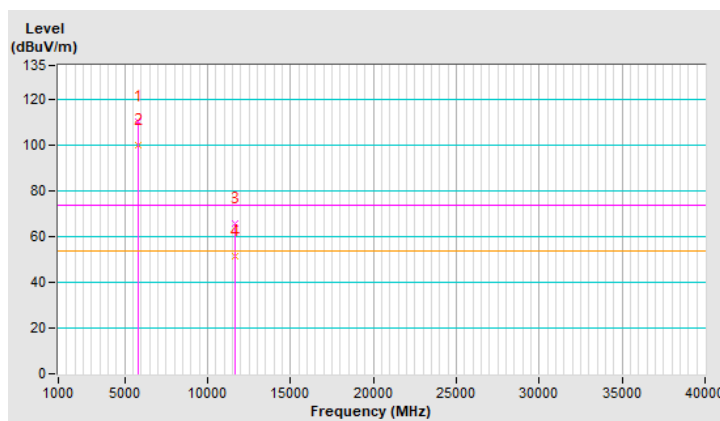


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	110.5 PK			2.93 V	94	72.9	37.6
2	*5825.00	100.1 AV			2.93 V	94	62.5	37.6
3	11650.00	65.6 PK	74.0	-8.4	2.01 V	221	50.1	15.5
4	11650.00	51.7 AV	54.0	-2.3	2.01 V	221	36.2	15.5
	17475.00	-	-	-	-	-	-	-
	23300.00	-	-	-	-	-	-	-
	29125.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

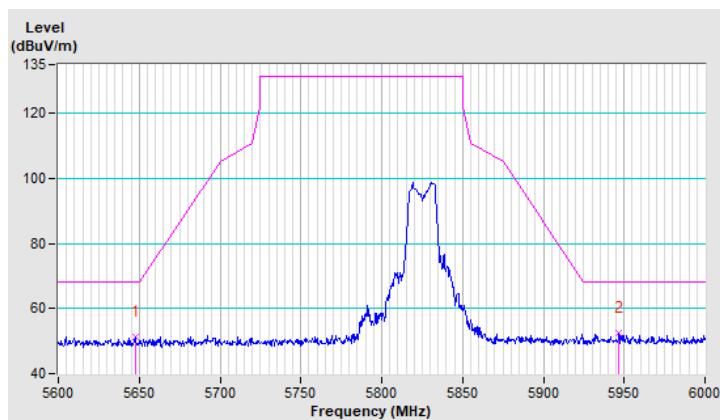


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	#5647.60	51.2 PK	68.2	-17.0	3.23 H	113	48.4	2.8
2	#5946.80	52.3 PK	68.2	-15.9	3.23 H	113	48.8	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

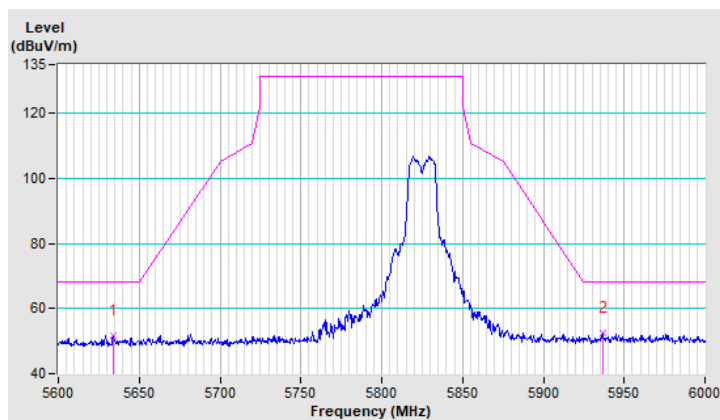


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5634.40	51.8 PK	68.2	-16.4	2.93 V	94	49.1	2.7
2	#5936.80	52.6 PK	68.2	-15.6	2.93 V	94	49.1	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



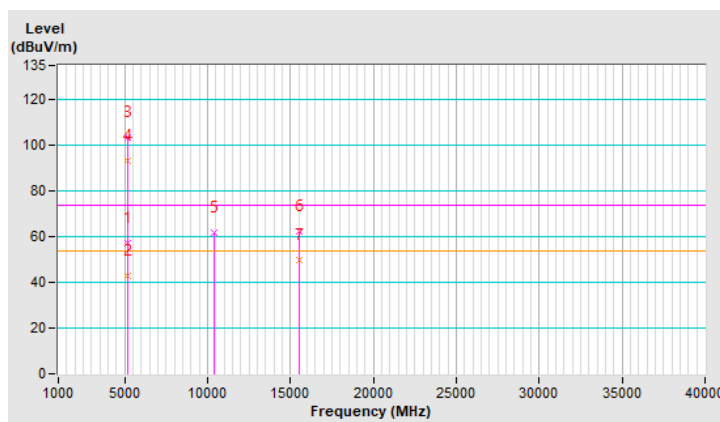
802.11ac (VHT20)

操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 36 : 5180 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.4 PK	74.0	-16.6	2.76 H	100	55.2	2.2
2	5150.00	42.9 AV	54.0	-11.1	2.76 H	100	40.7	2.2
3	*5180.00	103.6 PK			2.76 H	100	67.2	36.4
4	*5180.00	93.5 AV			2.76 H	100	57.1	36.4
5	#10360.00	61.8 PK	68.2	-6.4	3.56 H	163	46.6	15.2
6	15540.00	62.1 PK	74.0	-11.9	2.61 H	128	44.2	17.9
7	15540.00	49.8 AV	54.0	-4.2	2.61 H	128	31.9	17.9
	20720.00	-	-	-	-	-	-	-
	25900.00	-	-	-	-	-	-	-
	31080.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

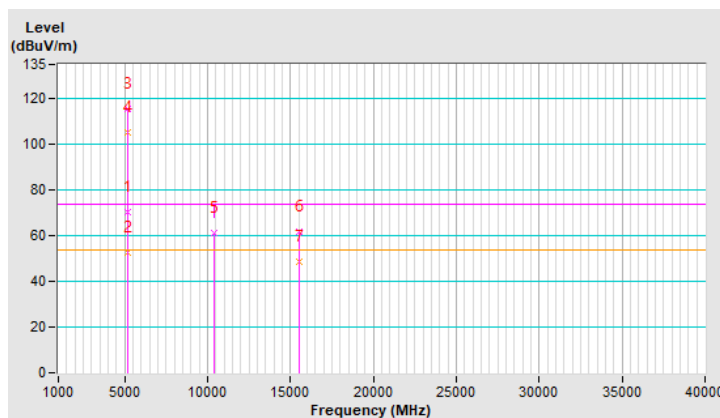


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 36 : 5180 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	70.3 PK	74.0	-3.7	1.87 V	175	68.1	2.2
2	5150.00	52.7 AV	54.0	-1.3	1.87 V	175	50.5	2.2
3	*5180.00	115.7 PK			1.87 V	175	79.3	36.4
4	*5180.00	105.3 AV			1.87 V	175	68.9	36.4
5	#10360.00	61.4 PK	68.2	-6.8	1.82 V	22	46.2	15.2
6	15540.00	61.8 PK	74.0	-12.2	2.38 V	12	43.9	17.9
7	15540.00	48.6 AV	54.0	-5.4	2.38 V	12	30.7	17.9
	20720.00	-	-	-	-	-	-	-
	25900.00	-	-	-	-	-	-	-
	31080.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

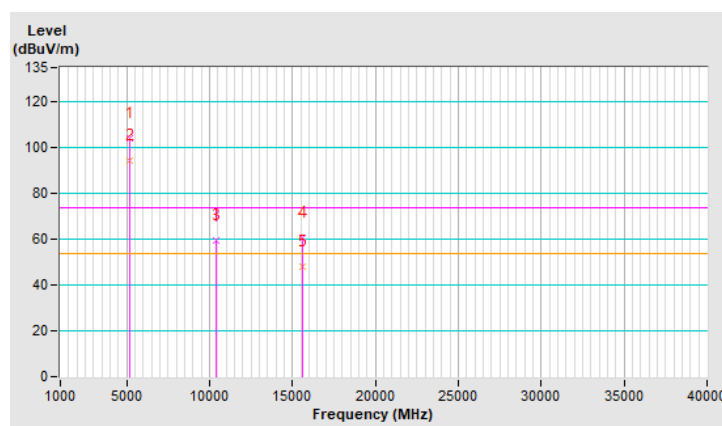


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	104.0 PK			2.43 H	91	67.6	36.4
2	*5200.00	94.2 AV			2.43 H	91	57.8	36.4
3	#10400.00	59.6 PK	68.2	-8.6	3.78 H	140	44.4	15.2
4	15600.00	60.5 PK	74.0	-13.5	2.44 H	132	42.8	17.7
5	15600.00	48.1 AV	54.0	-5.9	2.44 H	132	30.4	17.7
	20800.00	-	-	-	-	-	-	-
	26000.00	-	-	-	-	-	-	-
	31200.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

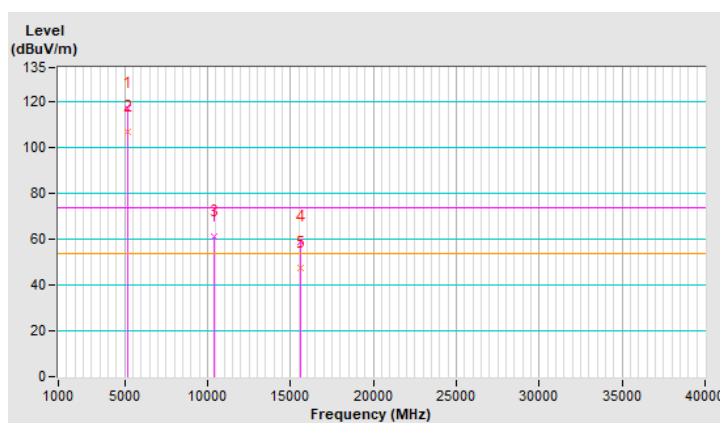


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	117.1 PK			1.88 V	176	80.7	36.4
2	*5200.00	107.0 AV			1.88 V	176	70.6	36.4
3	#10400.00	61.2 PK	68.2	-7.0	2.04 V	225	46.0	15.2
4	15600.00	58.9 PK	74.0	-15.1	2.50 V	6	41.2	17.7
5	15600.00	47.6 AV	54.0	-6.4	2.50 V	6	29.9	17.7
	20800.00	-	-	-	-	-	-	-
	26000.00	-	-	-	-	-	-	-
	31200.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

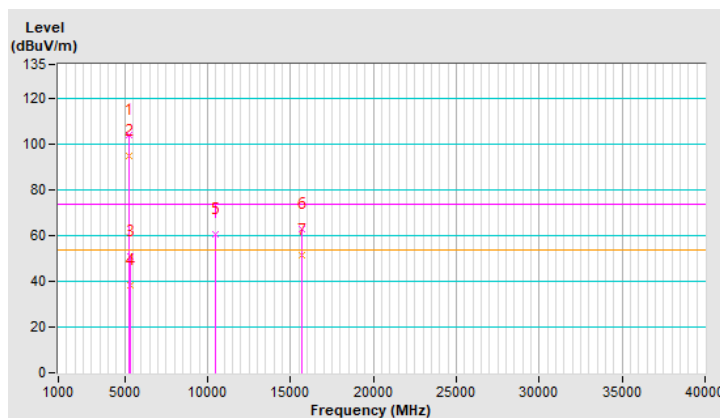


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 48 : 5240 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	104.1 PK			2.52 H	94	67.8	36.3
2	*5240.00	95.0 AV			2.52 H	94	58.7	36.3
3	5350.00	51.0 PK	74.0	-23.0	2.52 H	94	49.0	2.0
4	5350.00	38.5 AV	54.0	-15.5	2.52 H	94	36.5	2.0
5	#10480.00	60.5 PK	68.2	-7.7	3.92 H	155	45.4	15.1
6	15720.00	63.2 PK	74.0	-10.8	2.58 H	131	46.3	16.9
7	15720.00	51.4 AV	54.0	-2.6	2.58 H	131	34.5	16.9
	20960.00	-	-	-	-	-	-	-
	26200.00	-	-	-	-	-	-	-
	31440.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

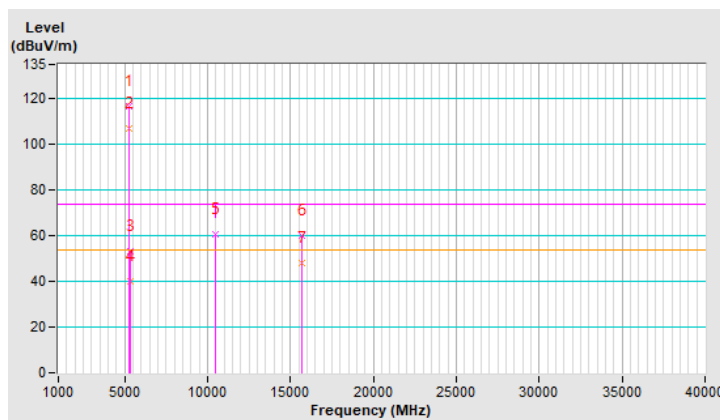


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 48 : 5240 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	116.8 PK			1.87 V	172	80.5	36.3
2	*5240.00	106.7 AV			1.87 V	172	70.4	36.3
3	5350.00	53.4 PK	74.0	-20.6	1.87 V	172	51.4	2.0
4	5350.00	40.2 AV	54.0	-13.8	1.87 V	172	38.2	2.0
5	#10480.00	60.7 PK	68.2	-7.5	1.81 V	226	45.6	15.1
6	15720.00	60.0 PK	74.0	-14.0	2.49 V	10	43.1	16.9
7	15720.00	47.9 AV	54.0	-6.1	2.49 V	10	31.0	16.9
	20960.00	-	-	-	-	-	-	-
	26200.00	-	-	-	-	-	-	-
	31440.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

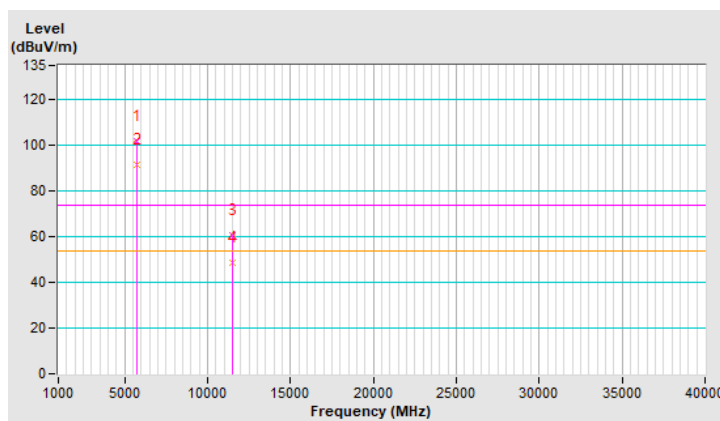


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	102.0 PK			3.26 H	112	64.7	37.3
2	*5745.00	91.7 AV			3.26 H	112	54.4	37.3
3	11490.00	60.4 PK	74.0	-13.6	3.63 H	294	44.6	15.8
4	11490.00	48.4 AV	54.0	-5.6	3.63 H	294	32.6	15.8
	17235.00	-	-	-	-	-	-	-
	22980.00	-	-	-	-	-	-	-
	28725.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

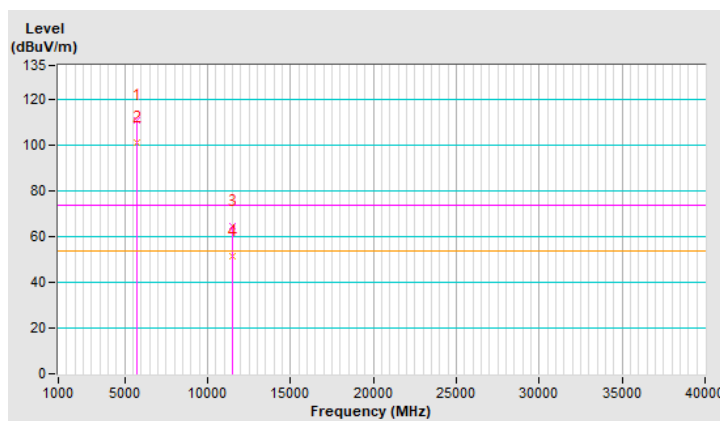


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	111.1 PK			2.96 V	95	73.8	37.3
2	*5745.00	101.1 AV			2.96 V	95	63.8	37.3
3	11490.00	64.7 PK	74.0	-9.3	2.24 V	237	48.9	15.8
4	11490.00	51.6 AV	54.0	-2.4	2.24 V	237	35.8	15.8
	17235.00	-	-	-	-	-	-	-
	22980.00	-	-	-	-	-	-	-
	28725.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



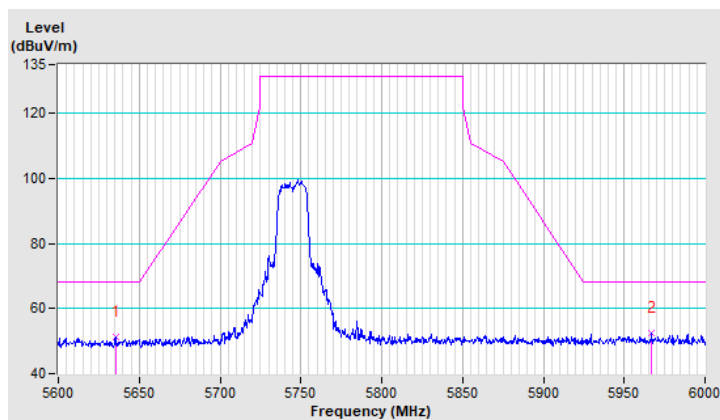
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5635.60	51.2 PK	68.2	-17.0	3.26 H	112	48.5	2.7
2	#5966.80	52.4 PK	68.2	-15.8	3.26 H	112	49.0	3.4

Remarks:

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

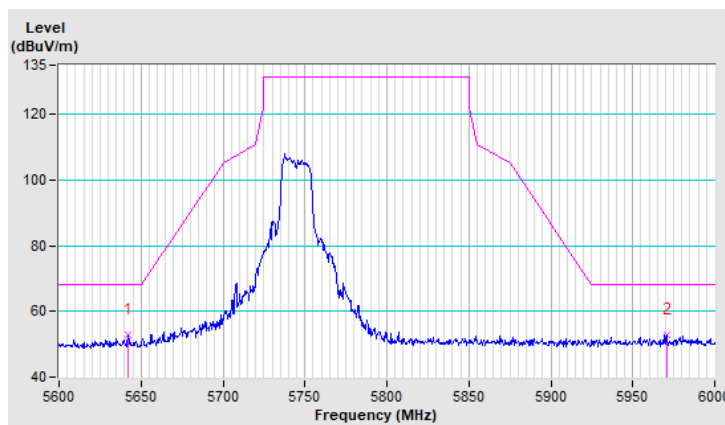


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 149 : 5745 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5642.40	52.8 PK	68.2	-15.4	2.96 V	95	50.0	2.8
2	#5970.80	52.9 PK	68.2	-15.3	2.96 V	95	49.5	3.4

Remarks:

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

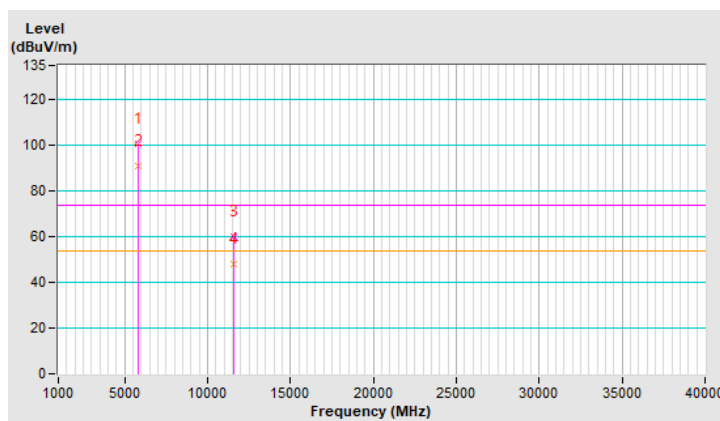


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	100.5 PK			3.05 H	107	63.0	37.5
2	*5785.00	91.0 AV			3.05 H	107	53.5	37.5
3	11570.00	60.0 PK	74.0	-14.0	3.58 H	296	44.6	15.4
4	11570.00	48.3 AV	54.0	-5.7	3.58 H	296	32.9	15.4
	17355.00	-	-	-	-	-	-	-
	23140.00	-	-	-	-	-	-	-
	28925.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

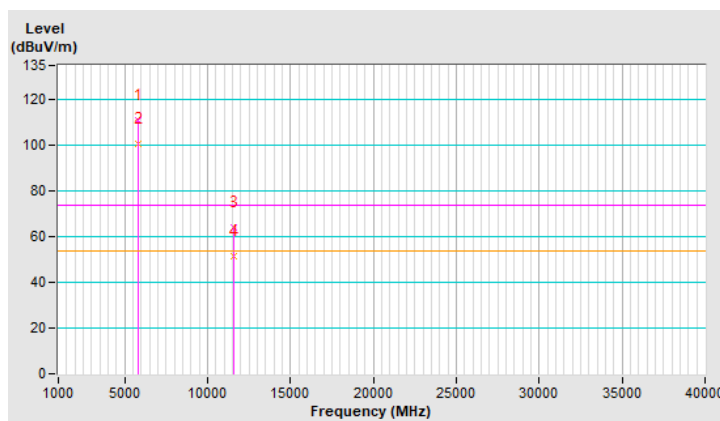


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	110.7 PK			3.16 V	92	73.2	37.5
2	*5785.00	100.7 AV			3.16 V	92	63.2	37.5
3	11570.00	64.2 PK	74.0	-9.8	2.04 V	242	48.8	15.4
4	11570.00	51.2 AV	54.0	-2.8	2.04 V	242	35.8	15.4
	17355.00	-	-	-	-	-	-	-
	23140.00	-	-	-	-	-	-	-
	28925.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

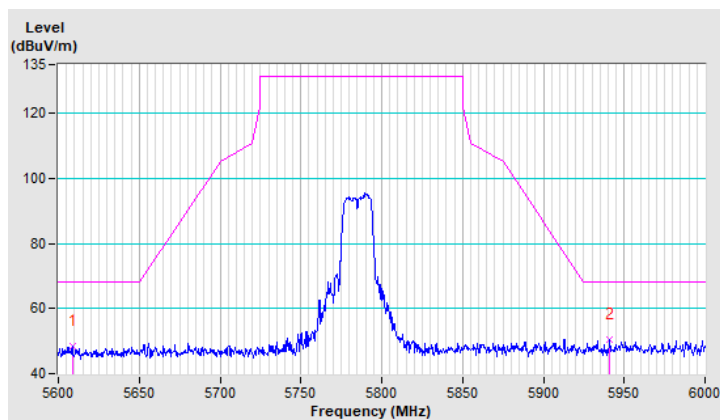


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	#5608.80	48.4 PK	68.2	-19.8	3.05 H	107	45.7	2.7
2	#5941.20	50.3 PK	68.2	-17.9	3.05 H	107	46.8	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

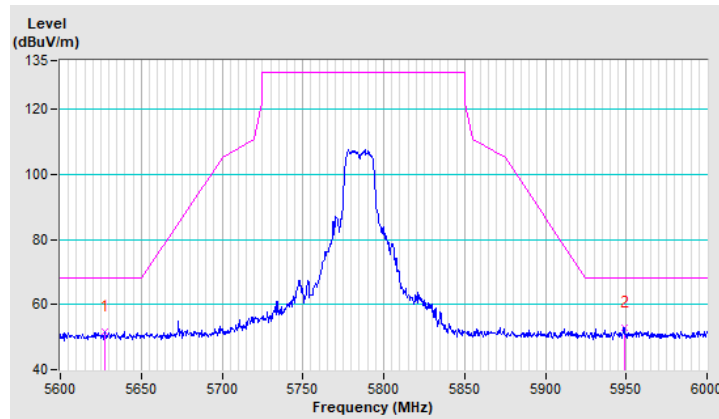


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 157 : 5785 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	#5627.20	51.8 PK	68.2	-16.4	3.16 V	92	49.1	2.7
2	#5948.80	52.8 PK	68.2	-15.4	3.16 V	92	49.3	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

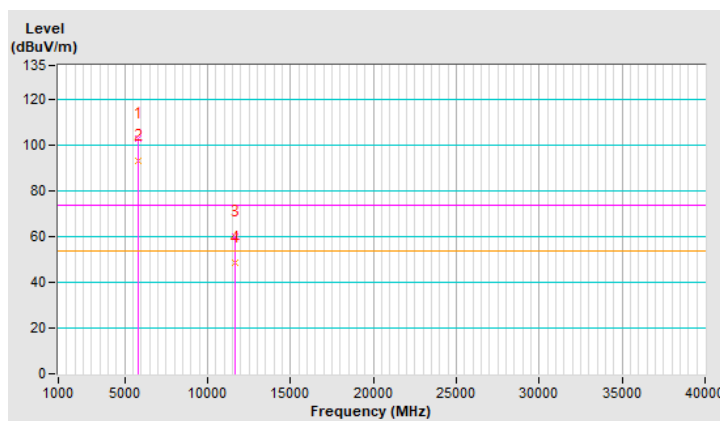


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	102.7 PK			3.09 H	108	65.1	37.6
2	*5825.00	93.0 AV			3.09 H	108	55.4	37.6
3	11650.00	60.1 PK	74.0	-13.9	3.59 H	288	44.6	15.5
4	11650.00	48.7 AV	54.0	-5.3	3.59 H	288	33.2	15.5
	17475.00	-	-	-	-	-	-	-
	23300.00	-	-	-	-	-	-	-
	29125.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

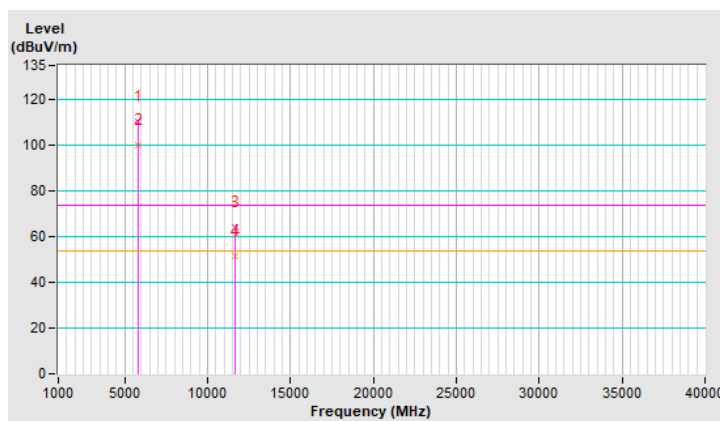


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	110.5 PK			3.00 V	96	72.9	37.6
2	*5825.00	100.1 AV			3.00 V	96	62.5	37.6
3	11650.00	64.3 PK	74.0	-9.7	2.23 V	229	48.8	15.5
4	11650.00	51.7 AV	54.0	-2.3	2.23 V	229	36.2	15.5
	17475.00	-	-	-	-	-	-	-
	23300.00	-	-	-	-	-	-	-
	29125.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

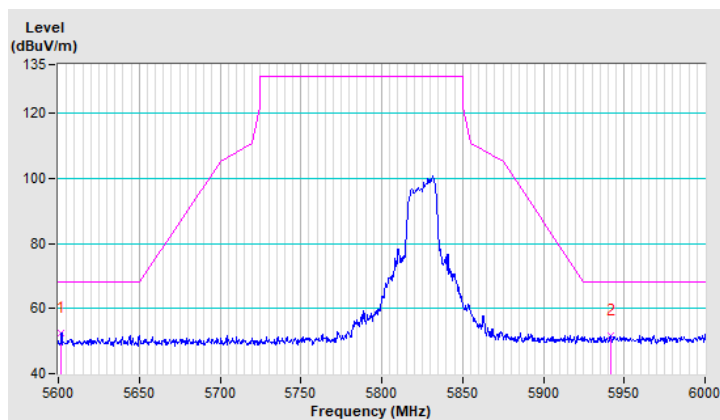


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	#5602.00	52.6 PK	68.2	-15.6	3.09 H	108	49.9	2.7
2	#5941.60	51.6 PK	68.2	-16.6	3.09 H	108	48.1	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

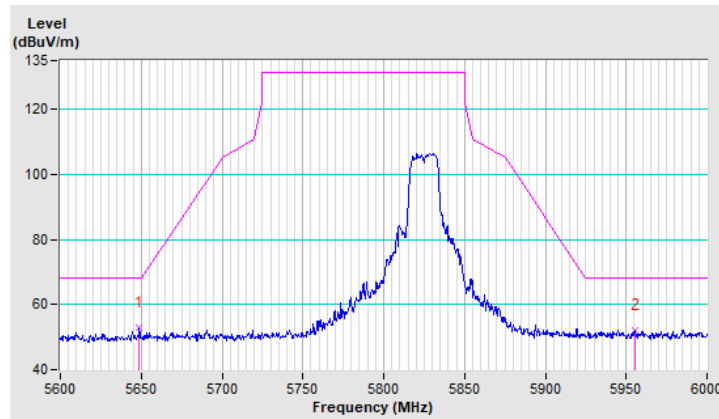


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 165 : 5825 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5648.80	52.7 PK	68.2	-15.5	3.00 V	96	49.9	2.8
2	#5955.60	51.9 PK	68.2	-16.3	3.00 V	96	48.4	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



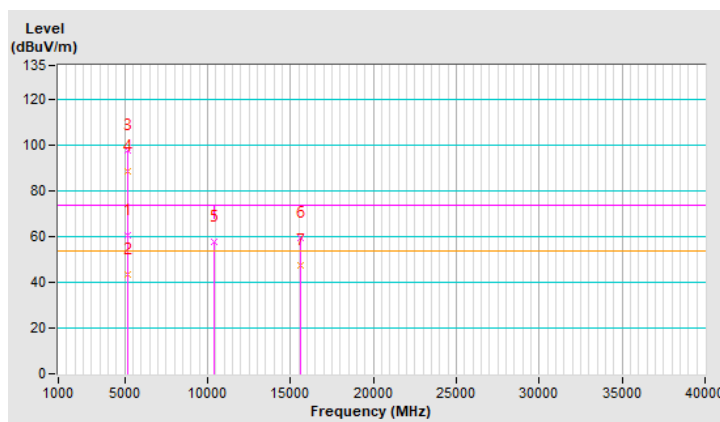
802.11ac (VHT40)

操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 38 : 5190 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	60.6 PK	74.0	-13.4	2.49 H	101	58.4	2.2
2	5150.00	43.7 AV	54.0	-10.3	2.49 H	101	41.5	2.2
3	*5190.00	97.9 PK			2.49 H	101	61.5	36.4
4	*5190.00	88.7 AV			2.49 H	101	52.3	36.4
5	#10380.00	57.9 PK	68.2	-10.3	3.70 H	150	42.7	15.2
6	15570.00	59.3 PK	74.0	-14.7	2.61 H	131	41.5	17.8
7	15570.00	47.5 AV	54.0	-6.5	2.61 H	131	29.7	17.8
	20760.00	-	-	-	-	-	-	-
	25950.00	-	-	-	-	-	-	-
	31140.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

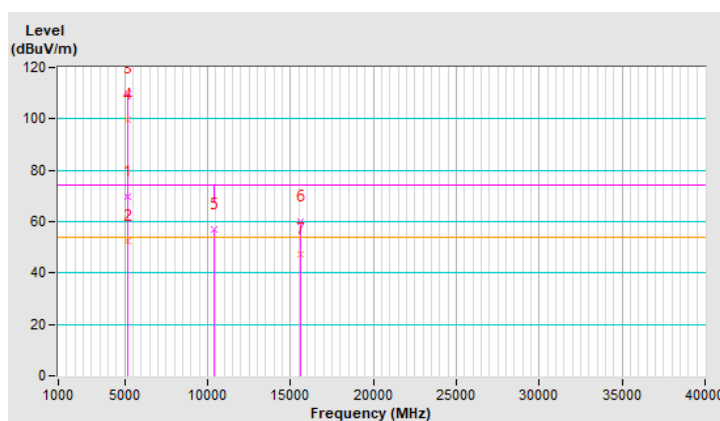


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 38 : 5190 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.7 PK	74.0	-4.3	1.88 V	170	67.5	2.2
2	5150.00	52.2 AV	54.0	-1.8	1.88 V	170	50.0	2.2
3	*5190.00	109.7 PK			1.88 V	170	73.3	36.4
4	*5190.00	99.8 AV			1.88 V	170	63.4	36.4
5	#10380.00	57.2 PK	68.2	-11.0	1.91 V	225	42.0	15.2
6	15570.00	59.9 PK	74.0	-14.1	2.41 V	5	42.1	17.8
7	15570.00	47.3 AV	54.0	-6.7	2.41 V	5	29.5	17.8
	20760.00	-	-	-	-	-	-	-
	25950.00	-	-	-	-	-	-	-
	31140.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

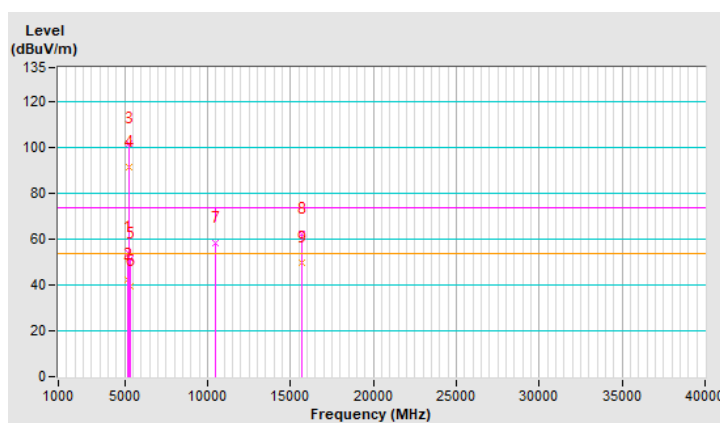


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 46 : 5230 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

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	54.3 PK	74.0	-19.7	2.47 H	101	52.1	2.2
2	5150.00	42.2 AV	54.0	-11.8	2.47 H	101	40.0	2.2
3	*5230.00	101.7 PK			2.47 H	101	65.4	36.3
4	*5230.00	91.6 AV			2.47 H	101	55.3	36.3
5	5350.00	51.4 PK	74.0	-22.6	2.47 H	101	49.4	2.0
6	5350.00	39.3 AV	54.0	-14.7	2.47 H	101	37.3	2.0
7	#10460.00	58.4 PK	68.2	-9.8	3.43 H	162	43.3	15.1
8	15690.00	62.6 PK	74.0	-11.4	2.64 H	127	45.6	17.0
9	15690.00	49.8 AV	54.0	-4.2	2.64 H	127	32.8	17.0
	20920.00	-	-	-	-	-	-	-
	26150.00	-	-	-	-	-	-	-
	31380.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

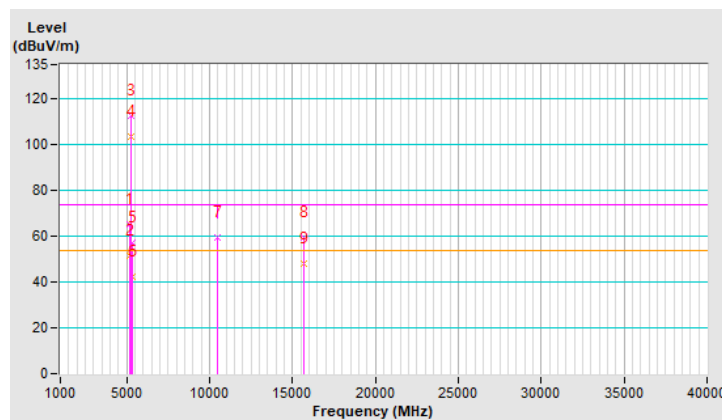


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 46 : 5230 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	65.1 PK	74.0	-8.9	2.03 V	175	62.9	2.2
2	5150.00	51.5 AV	54.0	-2.5	2.03 V	175	49.3	2.2
3	*5230.00	112.5 PK			2.03 V	175	76.2	36.3
4	*5230.00	103.5 AV			2.03 V	175	67.2	36.3
5	5350.00	57.0 PK	74.0	-17.0	2.03 V	175	55.0	2.0
6	5350.00	42.5 AV	54.0	-11.5	2.03 V	175	40.5	2.0
7	#10460.00	59.6 PK	68.2	-8.6	1.71 V	227	44.5	15.1
8	15690.00	59.7 PK	74.0	-14.3	2.39 V	7	42.7	17.0
9	15690.00	48.1 AV	54.0	-5.9	2.39 V	7	31.1	17.0
	20920.00	-	-	-	-	-	-	-
	26150.00	-	-	-	-	-	-	-
	31380.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

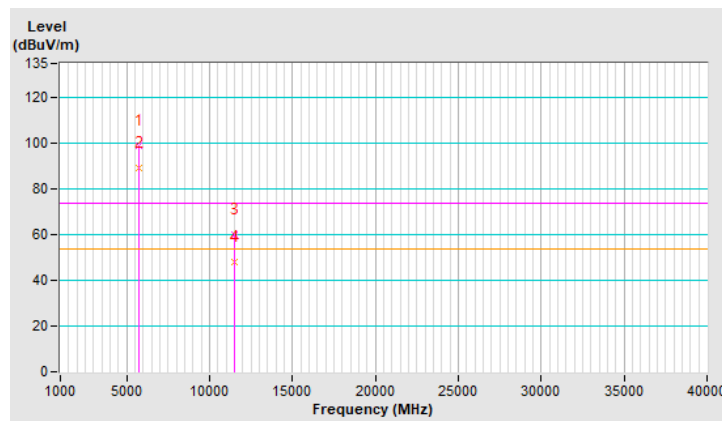


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 151 : 5755 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	98.9 PK			2.95 H	131	61.6	37.3
2	*5755.00	89.5 AV			2.95 H	131	52.2	37.3
3	11510.00	60.3 PK	74.0	-13.7	3.66 H	295	44.7	15.6
4	11510.00	48.2 AV	54.0	-5.8	3.66 H	295	32.6	15.6
	17265.00	-	-	-	-	-	-	-
	23020.00	-	-	-	-	-	-	-
	28775.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

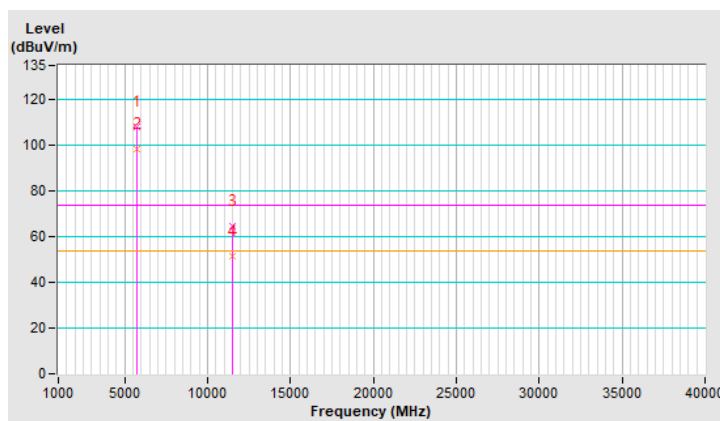


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 151 : 5755 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	108.1 PK			3.03 V	94	70.8	37.3
2	*5755.00	98.2 AV			3.03 V	94	60.9	37.3
3	11510.00	64.4 PK	74.0	-9.6	2.22 V	238	48.8	15.6
4	11510.00	51.4 AV	54.0	-2.6	2.22 V	238	35.8	15.6
	17265.00	-	-	-	-	-	-	-
	23020.00	-	-	-	-	-	-	-
	28775.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

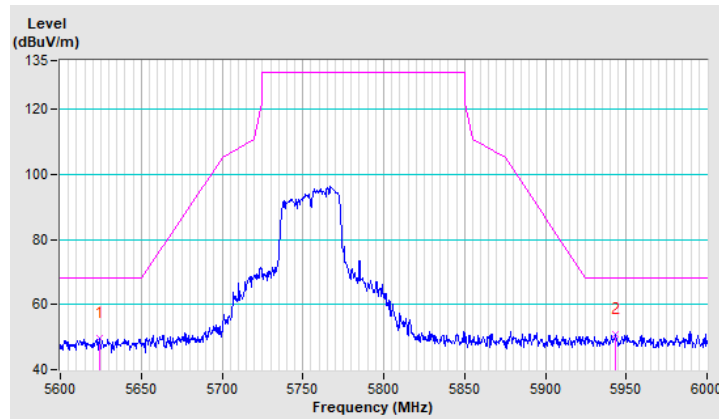


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 151 : 5755 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	#5624.40	49.5 PK	68.2	-18.7	2.95 H	131	46.8	2.7
2	#5943.60	50.7 PK	68.2	-17.5	2.95 H	131	47.2	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

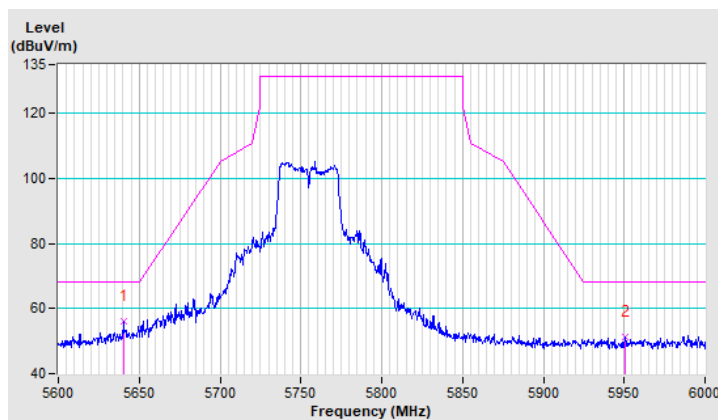


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 151 : 5755 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5640.40	56.1 PK	68.2	-12.1	3.03 V	94	53.3	2.8
2	#5950.80	51.2 PK	68.2	-17.0	3.03 V	94	47.7	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

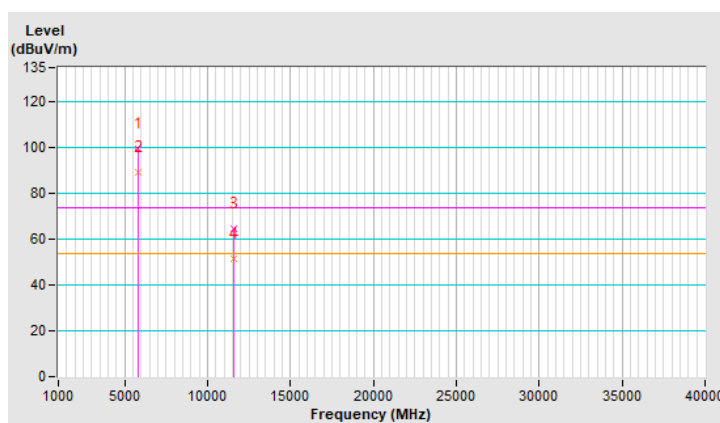


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 159 : 5795 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	99.4 PK			3.15 H	114	61.8	37.6
2	*5795.00	89.2 AV			3.15 H	114	51.6	37.6
3	11590.00	64.5 PK	74.0	-9.5	2.28 H	239	49.1	15.4
4	11590.00	51.4 AV	54.0	-2.6	2.28 H	239	36.0	15.4
	17385.00	-	-	-	-	-	-	-
	17385.00	-	-	-	-	-	-	-
	23180.00	-	-	-	-	-	-	-
	28975.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

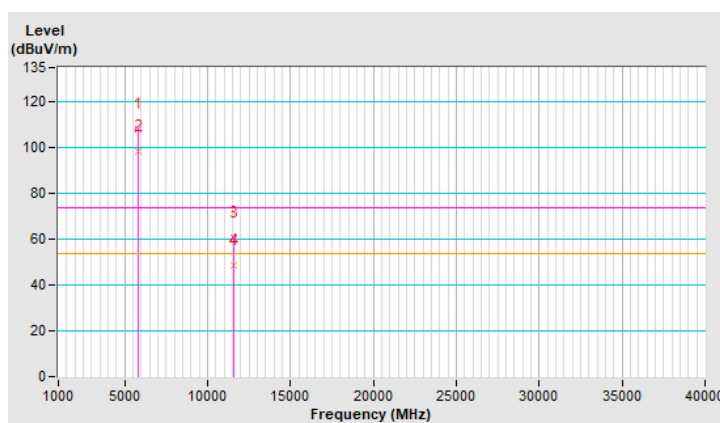


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 159 : 5795 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	108.2 PK			3.14 V	96	70.6	37.6
2	*5795.00	98.3 AV			3.14 V	96	60.7	37.6
3	11590.00	60.6 PK	74.0	-13.4	3.61 V	293	45.2	15.4
4	11590.00	48.5 AV	54.0	-5.5	3.61 V	293	33.1	15.4
	17385.00	-	-	-	-	-	-	-
	17385.00	-	-	-	-	-	-	-
	23180.00	-	-	-	-	-	-	-
	28975.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



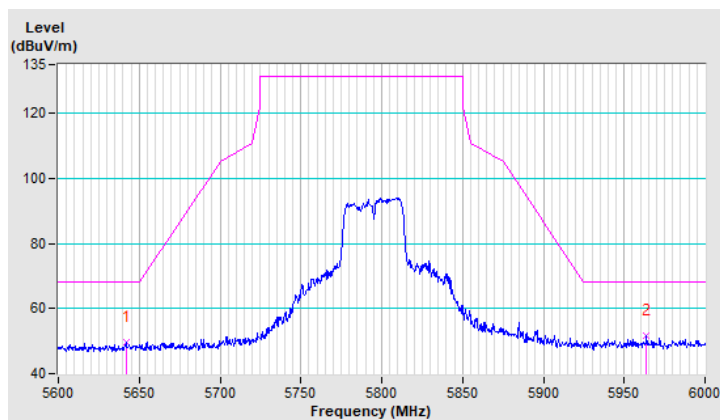
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 159 : 5795 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5642.00	49.5 PK	68.2	-18.7	3.15 H	114	46.7	2.8
2	#5963.60	51.8 PK	68.2	-16.4	3.15 H	114	48.3	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

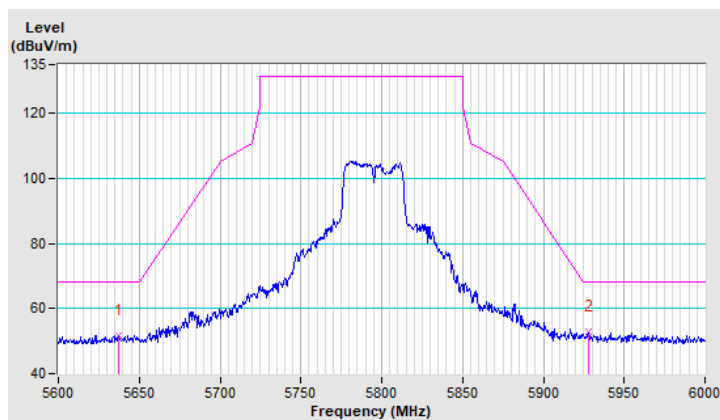


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 159 : 5795 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	#5637.60	51.8 PK	68.2	-16.4	3.14 V	96	49.1	2.7
2	#5928.00	52.7 PK	68.2	-15.5	3.14 V	96	49.3	3.4

Remarks:

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



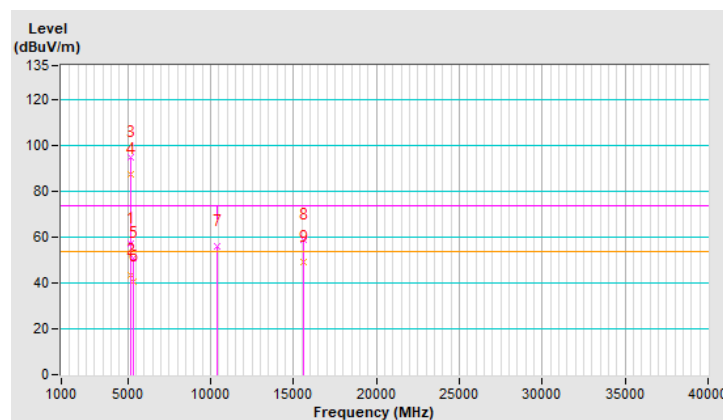
802.11ac (VHT80)

操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 42 : 5210 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.1 PK	74.0	-16.9	2.46 H	103	54.9	2.2
2	5150.00	43.6 AV	54.0	-10.4	2.46 H	103	41.4	2.2
3	*5210.00	95.0 PK			2.46 H	103	58.6	36.4
4	*5210.00	87.6 AV			2.46 H	103	51.2	36.4
5	5350.00	51.0 PK	74.0	-23.0	2.46 H	103	49.0	2.0
6	5350.00	40.9 AV	54.0	-13.1	2.46 H	103	38.9	2.0
7	#10420.00	56.3 PK	68.2	-11.9	3.79 H	166	41.1	15.2
8	15630.00	58.8 PK	74.0	-15.2	2.50 H	98	41.4	17.4
9	15630.00	49.2 AV	54.0	-4.8	2.50 H	98	31.8	17.4
	20840.00	-	-	-	-	-	-	-
	26050.00	-	-	-	-	-	-	-
	31260.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

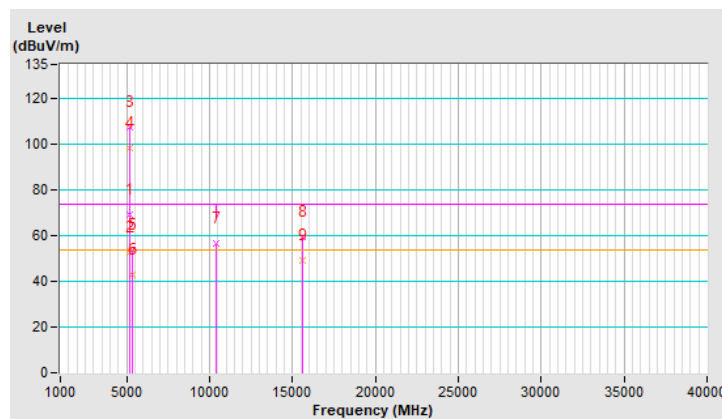


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 42 : 5210 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 02 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.2 PK	74.0	-4.8	1.91 V	172	67.0	2.2
2	5150.00	52.6 AV	54.0	-1.4	1.91 V	172	50.4	2.2
3	*5210.00	107.3 PK			1.91 V	172	70.9	36.4
4	*5210.00	98.5 AV			1.91 V	172	62.1	36.4
5	5350.00	53.8 PK	74.0	-20.2	1.91 V	172	51.8	2.0
6	5350.00	42.7 AV	54.0	-11.3	1.91 V	172	40.7	2.0
7	#10420.00	56.8 PK	68.2	-11.4	1.84 V	219	41.6	15.2
8	15630.00	59.3 PK	74.0	-14.7	2.41 V	5	41.9	17.4
9	15630.00	49.0 AV	54.0	-5.0	2.41 V	5	31.6	17.4
	20840.00	-	-	-	-	-	-	-
	26050.00	-	-	-	-	-	-	-
	31260.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

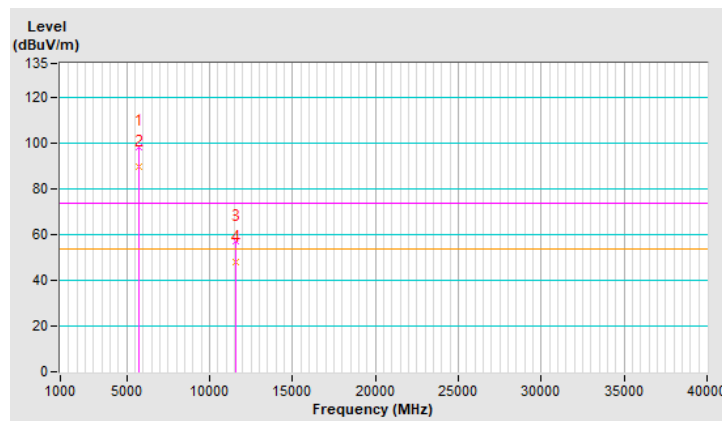


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 155 : 5775 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5775.00	98.7 PK			3.26 H	108	61.2	37.5
2	*5775.00	90.0 AV			3.26 H	108	52.5	37.5
3	11550.00	57.4 PK	74.0	-16.6	3.57 H	310	41.8	15.6
4	11550.00	48.0 AV	54.0	-6.0	3.57 H	310	32.4	15.6
	17325.00	-	-	-	-	-	-	-
	23100.00	-	-	-	-	-	-	-
	28875.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.

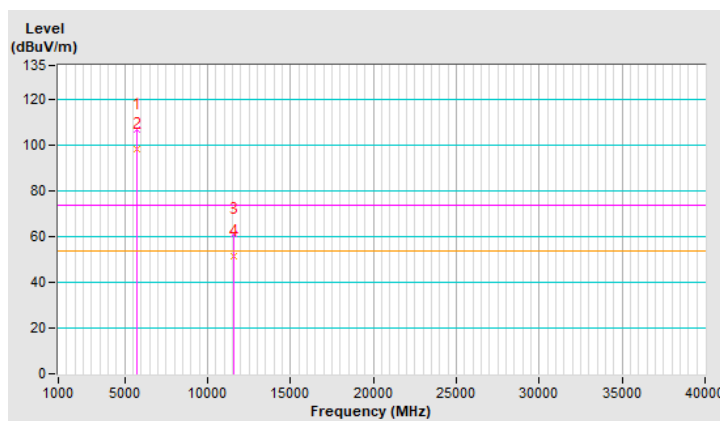


操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 155 : 5775 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

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	106.8 PK			3.19 V	93	69.3	37.5
2	*5775.00	98.4 AV			3.19 V	93	60.9	37.5
3	11550.00	61.4 PK	74.0	-12.6	2.25 V	232	45.8	15.6
4	11550.00	51.2 AV	54.0	-2.8	2.25 V	232	35.6	15.6
	17325.00	-	-	-	-	-	-	-
	23100.00	-	-	-	-	-	-	-
	28875.00	-	-	-	-	-	-	-
	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



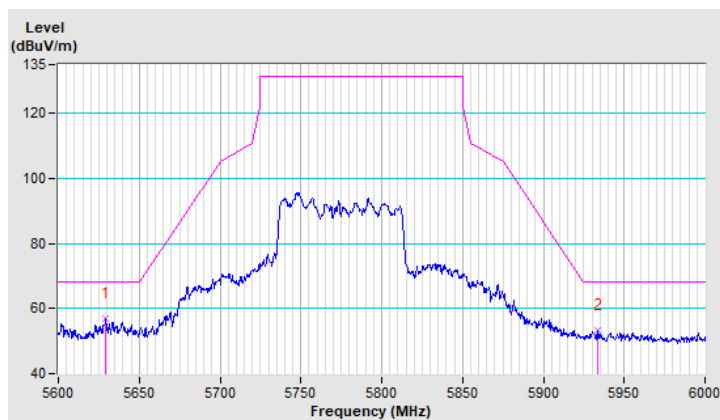
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 155 : 5775 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5629.20	56.8 PK	68.2	-11.4	3.26 H	108	54.1	2.7
2	#5933.60	53.2 PK	68.2	-15.0	3.26 H	108	49.7	3.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit.
5. " # ": The radiated frequency is out of the restricted band.
6. The blank is not available, the limit of fundamental frequency was restricted at the peak output power.



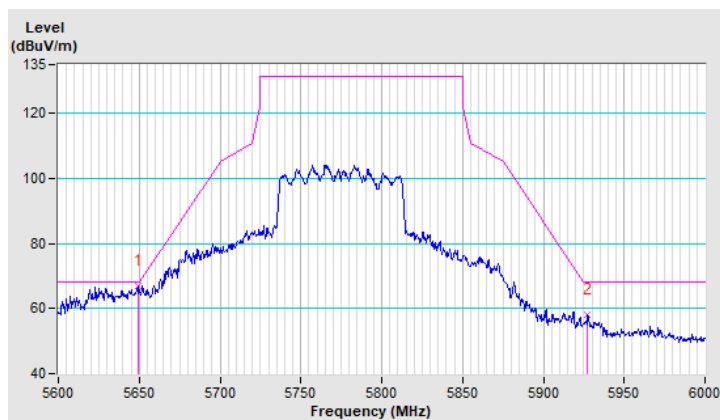
操 作 模 式 :	發射	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 155 : 5775 MHz (OOBE)	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 03 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5649.20	67.0 PK	68.2	-1.2	3.19 V	93	64.2	2.8
2	#5927.20	58.0 PK	68.2	-10.2	3.19 V	93	54.6	3.4

Remarks:

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



9.6.2 接收諧波

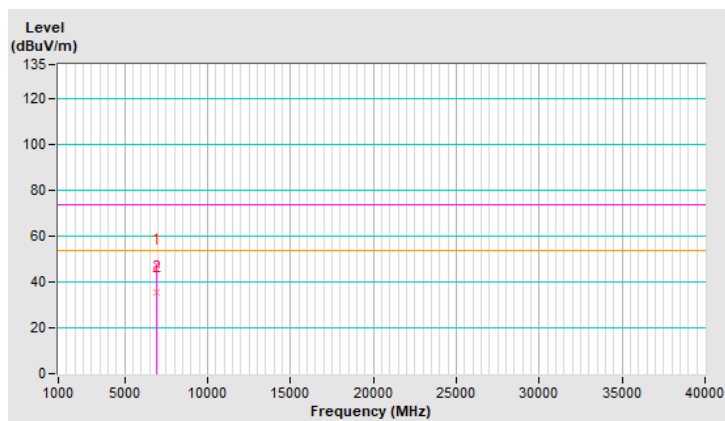
802.11ac (VHT20)

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 (RMS)
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

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	6933.00	47.7 PK	74.0	-26.3	1.58 H	305	40.6	7.1
2	6933.00	35.2 AV	54.0	-18.8	1.58 H	305	28.1	7.1

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



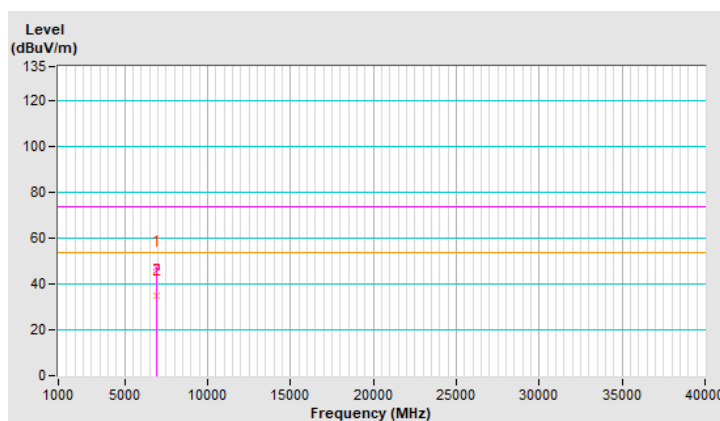
操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz (RMS)
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

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	6933.00	47.6 PK	74.0	-26.4	2.86 V	147	40.5	7.1
2	6933.00	34.9 AV	54.0	-19.1	2.86 V	147	27.8	7.1

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



9.6.3 其它不必要之訊號

802.11ac (VHT20)

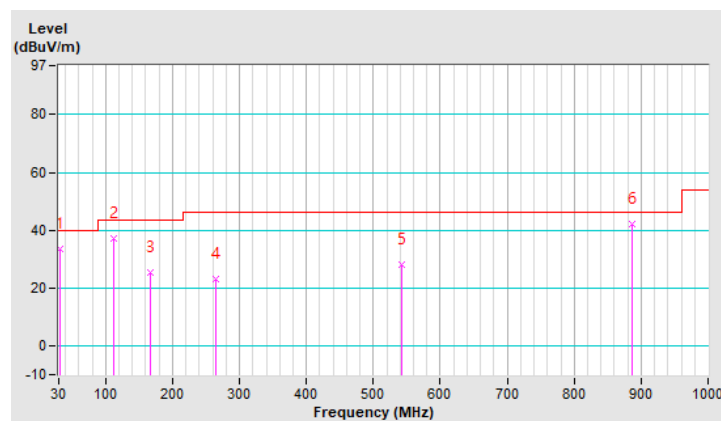
操 作 模 式 :	發射/接收	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(QP) RB=120kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

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	31.94	33.7 QP	40.0	-6.3	1.00 H	7	44.0	-10.3
2	112.45	37.1 QP	43.5	-6.4	2.00 H	293	48.5	-11.4
3	167.74	25.5 QP	43.5	-18.0	1.00 H	18	34.0	-8.5
4	263.77	23.1 QP	46.0	-22.9	1.50 H	289	31.1	-8.0
5	543.13	28.3 QP	46.0	-17.7	1.00 H	30	30.2	-1.9
6	886.51	42.0 QP	46.0	-4.0	1.25 H	5	37.5	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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



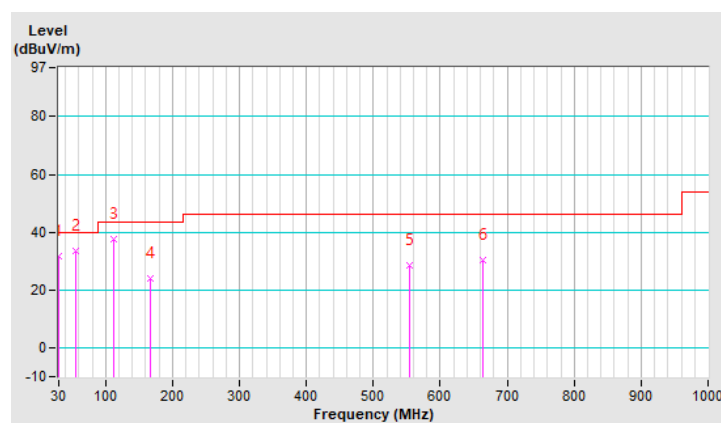
操 作 模 式 :	發射/接收	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(QP) RB=120kHz
量 測 場 地 溫 度 :	22°C	量 測 場 地 濕 度 :	68%RH
測 試 日 期 :	110 年 02 月 18 日	測 試 者 :	王泓諭

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	30.00	31.8 QP	40.0	-8.2	1.25 V	145	42.1	-10.3
2	56.19	33.4 QP	40.0	-6.6	1.00 V	267	42.4	-9.0
3	112.45	37.8 QP	43.5	-5.7	2.00 V	119	49.2	-11.4
4	167.74	23.9 QP	43.5	-19.6	1.50 V	13	32.4	-8.5
5	554.77	28.4 QP	46.0	-17.6	1.25 V	202	30.2	-1.8
6	664.38	30.5 QP	46.0	-15.5	1.00 V	210	30.0	0.5

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. Margin value = Emission Level – Limit value.
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



9.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

9.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BCWK-WTW-P20090194_TSup)。

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0.15MHz至30MHz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

同 5.5 節。

10.6 量測結果

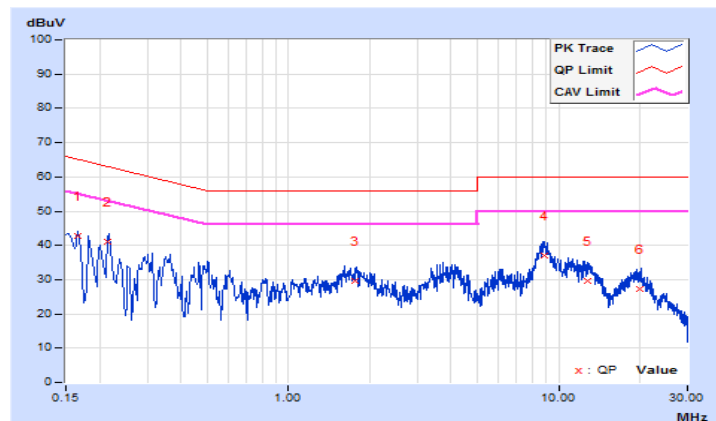
802.11ac (VHT20)

操作模式	發射/接收	測試日期	110 年 02 月 19 日
基本波頻率	CH 40 : 5200 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	王泓諭		

		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.
0.16535	10.07	32.79	16.29	42.86	26.36	65.19	55.19	-22.33	-28.83
0.21294	10.08	30.89	16.12	40.97	26.20	63.09	53.09	-22.12	-26.89
1.75800	10.16	19.60	9.22	29.76	19.38	56.00	46.00	-26.24	-26.62
8.81800	10.30	26.64	19.93	36.94	30.23	60.00	50.00	-23.06	-19.77
12.76600	10.35	19.19	12.27	29.54	22.62	60.00	50.00	-30.46	-27.38
19.90200	10.45	16.74	8.76	27.19	19.21	60.00	50.00	-32.81	-30.79

Note:

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

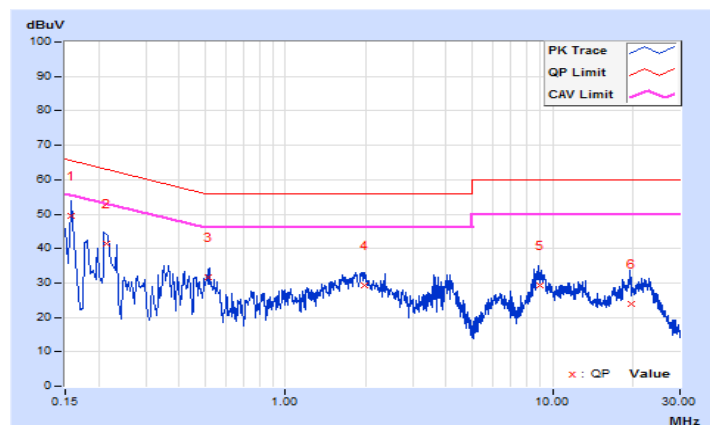


操作模式	發射/接收	測試日期	110 年 02 月 19 日
基本波頻率	CH 40 : 5200 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	王泓諭		

		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.
0.15687	10.08	39.38	23.86	49.46	33.94	65.63	55.63	-16.17	-21.69
0.21400	10.08	31.22	16.48	41.30	26.56	63.05	53.05	-21.75	-26.49
0.51200	10.11	21.58	7.94	31.69	18.05	56.00	46.00	-24.31	-27.95
1.96600	10.17	19.11	9.28	29.28	19.45	56.00	46.00	-26.72	-26.55
8.95063	10.38	18.76	11.61	29.14	21.99	60.00	50.00	-30.86	-28.01
19.64600	10.64	13.22	6.05	23.86	16.69	60.00	50.00	-36.14	-33.31

Note:

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



10.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

10.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BCWK-WTW-P20090194_TSup)。

11 峰值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)(A)及 4 項(II)(A)的規定(供戶外操作使用)
	☐ 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(B)的規定(供室內操作使用)
	☐ 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(C)的規定(供固定式點對點操作使用)
	☒ 請見本報告 3.1 節第 6 項(II)(B)及 4 項(II)(D)的規定(供用戶端裝置使用)
☐ 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

輸出峰值功率量測方法：

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

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	110 年 02 月 20 日 ~ 110 年 02 月 25 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳俊樺		

Power Output:

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	15.08	15.12	64.719	18.11	24.00	Pass
40	5200	15.04	15.13	64.499	18.10	24.00	Pass
48	5240	15.09	15.08	64.496	18.10	24.00	Pass
149	5745	15.09	15.17	65.170	18.14	30.00	Pass
157	5785	15.06	15.18	65.024	18.13	30.00	Pass
165	5825	15.10	15.16	65.169	18.14	30.00	Pass

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	14.98	15.18	64.438	18.09	24.00	Pass
40	5200	14.99	15.20	64.663	18.11	24.00	Pass
48	5240	14.99	15.16	64.360	18.09	24.00	Pass
149	5745	15.04	15.13	64.499	18.10	30.00	Pass
157	5785	15.11	15.08	64.645	18.11	30.00	Pass
165	5825	15.03	15.09	64.127	18.07	30.00	Pass

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	14.91	15.23	64.317	18.08	24.00	Pass
46	5230	15.02	15.18	64.730	18.11	24.00	Pass
151	5755	15.07	15.11	64.571	18.10	30.00	Pass
159	5795	15.04	15.13	64.499	18.10	30.00	Pass

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	15.00	15.22	64.889	18.12	24.00	Pass
40	5200	15.01	15.24	65.115	18.14	24.00	Pass
48	5240	15.01	15.23	65.038	18.13	24.00	Pass
149	5745	15.09	15.17	65.170	18.14	30.00	Pass
157	5785	15.14	15.13	65.242	18.15	30.00	Pass
165	5825	15.08	15.17	65.096	18.14	30.00	Pass

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	14.95	15.28	64.990	18.13	24.00	Pass
46	5230	15.06	15.20	65.176	18.14	24.00	Pass
151	5755	15.11	15.16	65.243	18.15	30.00	Pass
159	5795	15.08	15.17	65.096	18.14	30.00	Pass

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	15.05	15.25	65.485	18.16	24.00	Pass
155	5775	15.09	15.27	65.936	18.19	30.00	Pass

11.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

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) (A)及 4 項(II)(A)的規定(供戶外操作使用)
	☐ 請見本報告 3.1 節第 7 項(II)(A)及 4 項(II)(B)的規定(供室內操作使用)
	☐ 請見本報告 3.1 節第 7 項(II)(A)及 4 項(II)(C)的規定(供固定式點對點操作使用)
	☒ 請見本報告 3.1 節第 7 項(II)(B)及 4 項(II)(D)的規定(供用戶端裝置使用)
☐ 5.25 GHz~5.35 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☐ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第 7 項(IV)及 4 項(IV)的規定

12.2 量測方法

For 5180 ~ 5240MHz:

Duty cycle of test signal is > 98%

Using method SA-1

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

For 5745 ~ 5825MHz:

Duty cycle of test signal is > 98%

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

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	110 年 02 月 20 日 ~ 110 年 02 月 25 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳俊樺		

For 5180 ~ 5240MHz

802.11a

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	7.17	7.29	10.24	10.38	Pass
40	5200	6.99	7.34	10.18	10.38	Pass
48	5240	7.17	7.15	10.17	10.38	Pass

Note:

- Method E) 2) 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.
- Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (6.62 - 6) = 10.38\text{dBm}$.

802.11ac (VHT20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
36	5180	7.04	7.30	10.18	10.38	Pass
40	5200	7.15	7.33	10.25	10.38	Pass
48	5240	7.13	7.32	10.24	10.38	Pass

Note:

- Method E) 2) 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.
- Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (6.62 - 6) = 10.38\text{dBm}$.

802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
38	5190	3.38	2.41	5.93	10.38	Pass
46	5230	6.10	5.46	8.80	10.38	Pass

Note:

- Method E) 2) 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.
- Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (6.62 - 6) = 10.38\text{dBm}$.

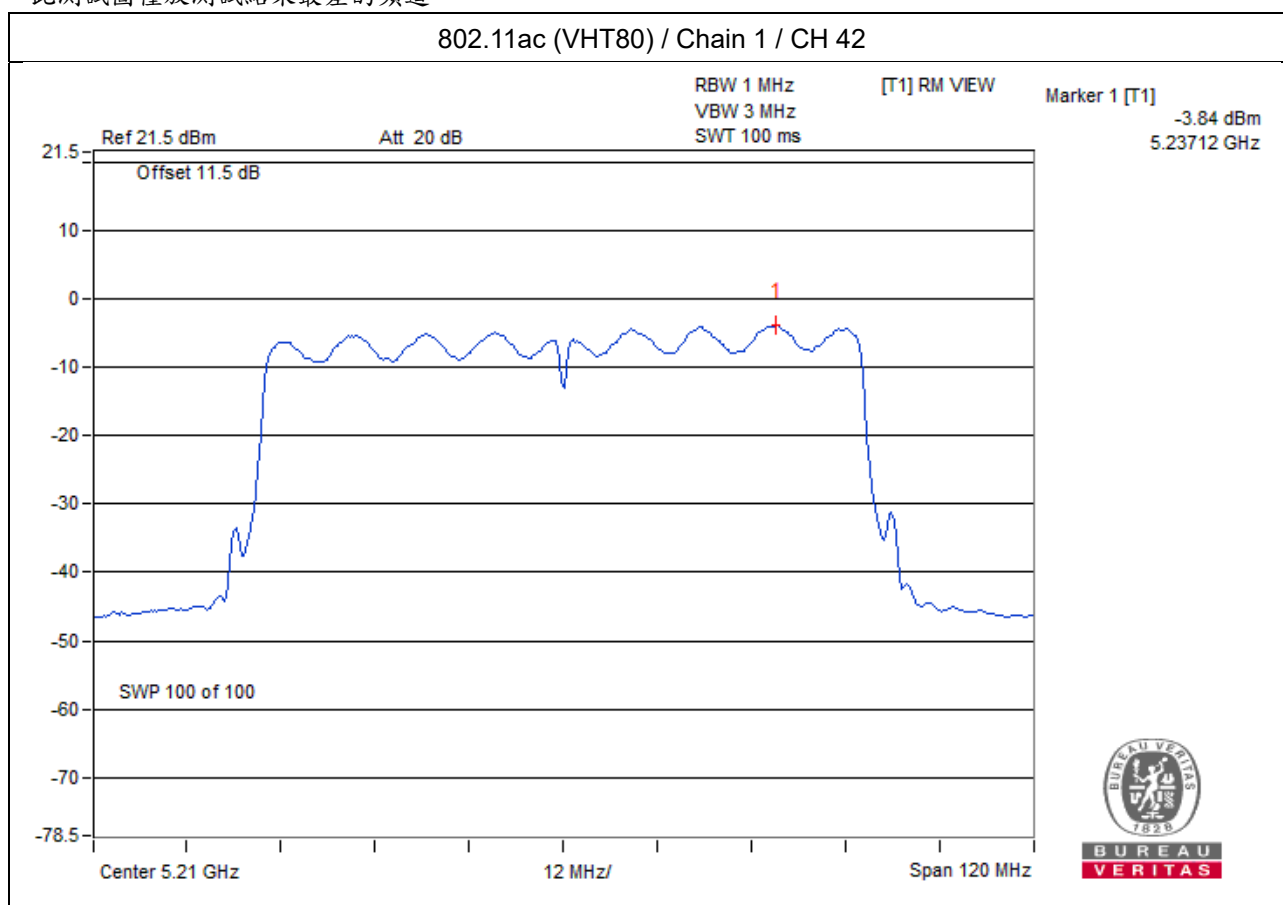
802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-4.15	-3.84	-0.98	10.38	Pass

Note:

- Method E) 2) 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.
- Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $11 - (6.62 - 6) = 10.38\text{dBm}$.

**此測試圖僅放測試結果最差的頻道。



For 5745 ~ 5825MHz

802.11a

TX chain	Chan.	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	1.65	3.87	3.01	6.88	29.38	Pass
	157	5785	2.96	5.18	3.01	8.19	29.38	Pass
	165	5825	2.46	4.68	3.01	7.69	29.38	Pass
1	149	5745	1.14	3.36	3.01	6.37	29.38	Pass
	157	5785	3.12	5.34	3.01	8.35	29.38	Pass
	165	5825	2.62	4.84	3.01	7.85	29.38	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30-(6.62-6) = 29.38\text{dBm}$.

802.11ac (VHT20)

TX chain	Chan.	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	149	5745	2.70	4.92	3.01	7.93	29.38	Pass
	157	5785	2.48	4.70	3.01	7.71	29.38	Pass
	165	5825	2.28	4.50	3.01	7.51	29.38	Pass
1	149	5745	2.09	4.31	3.01	7.32	29.38	Pass
	157	5785	1.74	3.96	3.01	6.97	29.38	Pass
	165	5825	1.87	4.09	3.01	7.10	29.38	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30-(6.62-6) = 29.38\text{dBm}$.

802.11ac (VHT40)

TX chain	Chan.	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	151	5755	-4.57	-2.35	3.01	0.66	29.38	Pass
	159	5795	-4.71	-2.49	3.01	0.52	29.38	Pass
1	151	5755	-4.73	-2.51	3.01	0.50	29.38	Pass
	159	5795	-4.87	-2.65	3.01	0.36	29.38	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30-(6.62-6) = 29.38\text{dBm}$.

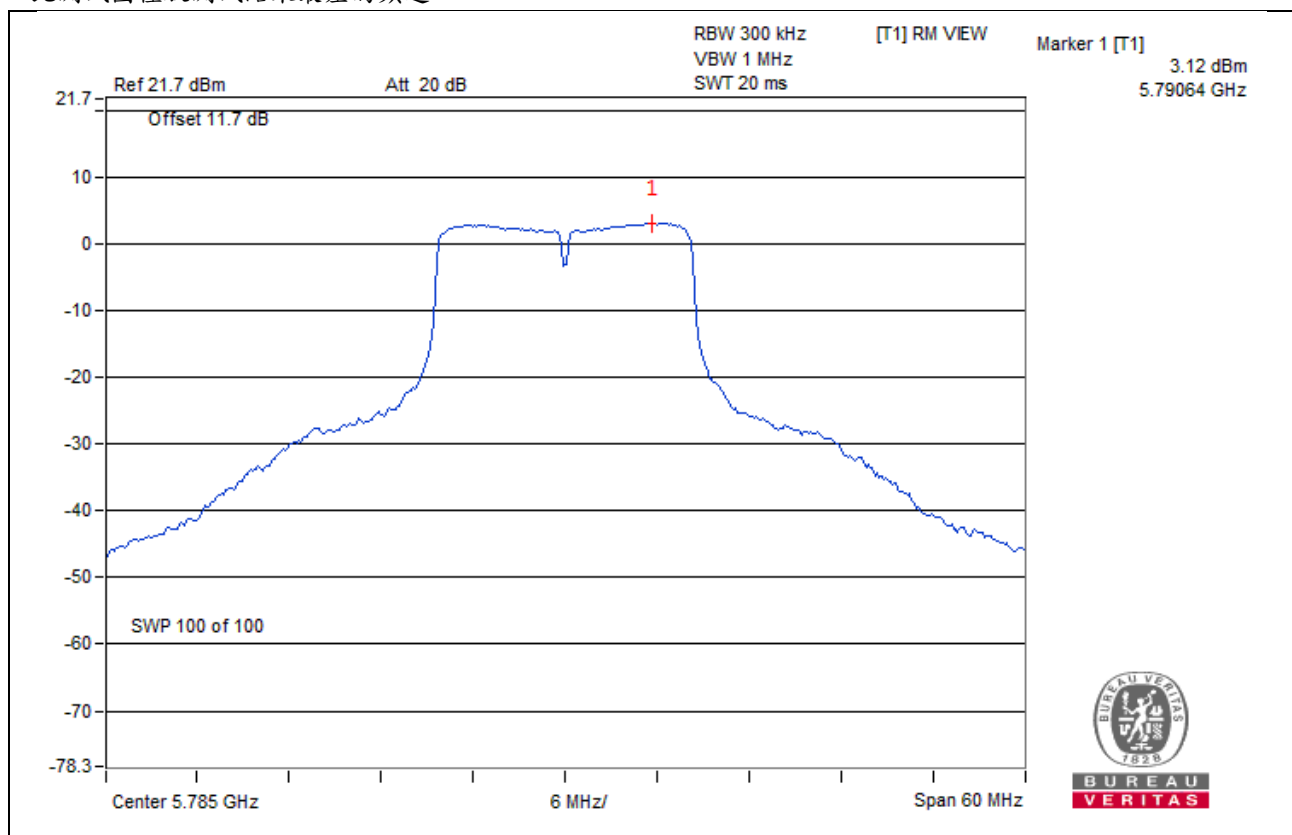
802.11ac (VHT80)

TX chain	Chan.	Freq. (MHz)	PSD		10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)				
0	155	5775	-11.52	-9.30	3.01	-6.29	29.38	Pass
1	155	5775	-11.53	-9.31	3.01	-6.30	29.38	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Max. Directional Gain = $3.61\text{dBi} + 10\log(2) = 6.62\text{dBi} > 6\text{dBi}$, so the limit shall be reduced to $30 - (6.62 - 6) = 29.38\text{dBm}$.

**此測試圖僅放測試結果最差的頻道。



12.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

13 6 dB 頻寬之要求

13.1 適用標準

待測物操作頻帶	適用標準
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第 5 項(II)的規定

13.2 量測方法

- a) 將待測物輸出經由衰減器接到頻譜分析儀上。
- b) 設定待測物處於連續發射狀態。
- c) 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	110 年 02 月 20 日 ~ 110 年 02 月 25 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳俊樺		

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	16.58	16.49	0.5	Pass
157	5785	16.58	16.58	0.5	Pass
165	5825	16.57	16.52	0.5	Pass

802.11ac (VHT20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	17.66	17.63	0.5	Pass
157	5785	17.73	17.70	0.5	Pass
165	5825	17.73	17.70	0.5	Pass

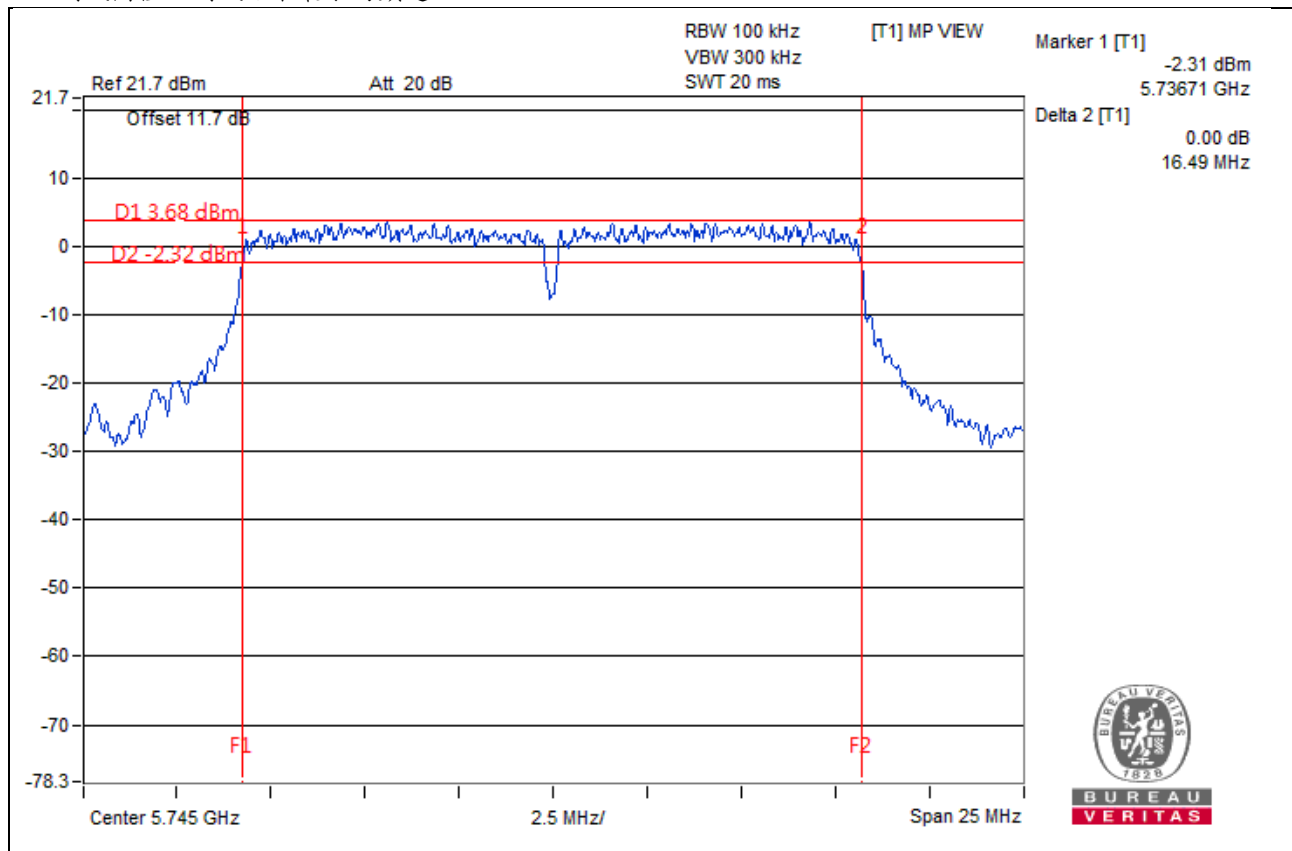
802.11ac (VHT40)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	36.61	36.42	0.5	Pass
159	5795	36.69	36.53	0.5	Pass

802.11ac (VHT80)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	76.67	76.41	0.5	Pass

**此測試圖僅放測試結果最小的頻道。



13.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

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) 以第7.5、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/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

14.3 評估結果

電波暴露量之評估

☐ 發射功率(含 Conducted Power 或 EIRP Power) <20mW，不需進行電波暴露量之評估

☒ 發射功率(含 Conducted Power 或 EIRP Power) >20mW，需進行電波暴露量之評估

Frequency Band (MHz)	Max AV Power (dBm)	Directional Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
WLAN 2412~2462	21.68	5.08	20	0.094	1
WLAN 5180~5240	18.16	6.62	20	0.060	1
WLAN 5745~5825	18.19	6.62	20	0.060	1

Note:

- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
- The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

* WLAN 2.4GHz & WLAN 5GHz technology cannot transmit at same time.

WLAN 2.4GHz: Max. Directional Gain = 2.07dBi + 10log(2) = 5.08dBi

WLAN 5GHz: Max. Directional Gain = 3.61dBi + 10log(2) = 6.62dBi

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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