

低功率射頻器材技術規範測試報告

報告編號.	RTDLK-WTW-P20110226
申請者	友訊科技股份有限公司
產品名稱	AX1800 雙頻 PoE 無線基地台
型號	DAP-X2810
系列型號	N/A
製造廠商	友勁科技股份有限公司
商標或廠牌	D-Link Corporation
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 日修訂
試驗結果	合格

香港商立德國際商品試驗有限公司桃園分公司 林口實驗室
日期 109 年 11 月 27 日

報告簽署人簽章:



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報告發行紀錄

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證 明 書

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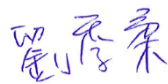
產 品 名 稱：AX1800 雙頻 PoE 無線基地台
商 標：D-Link Corporation
型 號：DAP-X2810
申 請 者：友訊科技股份有限公司
量 測 規 範：低功率射頻器材技術規範 LP0002 (修訂日期：109 年 7 月 1 日)
ANSI C63.10-2013

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：DAP-X2810)，收件日期 109 年 07 月 14 日，於 109 年 07 月 28 日至 109 年 11 月 25 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：

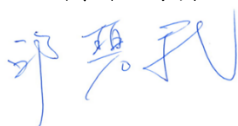


劉季柔 / 專員

， 日 期：

109 年 11 月 27 日

審 核 者：



邱碧民 / 高級專案工程師

， 日 期：

109 年 11 月 27 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 低功率射頻器材量測記錄表

申請廠商：友訊科技股份有限公司

製造廠商：友勁科技股份有限公司

申請廠商地址：台北市內湖區新湖三路 289 號

產品名稱：AX1800 雙頻 PoE 無線基地台

廠牌：D-Link Corporation

型號：DAP-X2810

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 (9 kHz ~ 40 GHz)

量測規範：低功率射頻器材技術規範 LP0002 (修訂日期：109 年 7 月 1 日)
ANSI C63.10-2013

WLAN 2.4 GHz 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

WLAN 5.150~5.250 GHz 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

WLAN 5.725~5.850 GHz 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	6 dB 頻寬	低功率射頻器材技術規範5.7.5節	合格

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

項次	量測項目	規 範	量測結果判定
1	電波暴露量	低功率射頻器材技術規範 6.20.2 節	合格

備註：量測結果之判定不考慮量測不確定度的貢獻。

2 一般敘述

2.1 待測設備

產品名稱：	AX1800 雙頻 PoE 無線基地台
型號：	DAP-X2810
額定電源：	12 Vdc (Adapter)
調變方式：	CCK, DQPSK, DBPSK for DSSS 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDMA
傳輸速率：	802.11b: 11.0/ 5.5/ 2.0/ 1.0 Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0 Mbps 802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0 Mbps 802.11n: up to 400 Mbps 802.11ac: up to 866.7 Mbps 802.11ax: up to 1201 Mbps
載波頻率：	2.4 GHz: 2412 ~ 2462 MHz 5.0 GHz: 5180 ~ 5240 MHz, 5745 ~ 5825 MHz
頻道數：	2.4 GHz: 802.11b, 802.11g, 802.11n (HT20), (VHT20), 802.11ax (HE20): 11 802.11n (HT40), (VHT40), 802.11ax (HE40): 7 5.0 GHz: 5180 ~ 5240 MHz 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 4 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1 5745 ~ 5825 MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 5 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 2 802.11ac (VHT80), 802.11ax (HE80): 1
發射功率：	2.4 GHz: CDD Mode: 802.11b: 29.20 dBm 802.11g: 27.26 dBm 802.11n (HT20): 27.15 dBm 802.11n (HT40): 23.27 dBm 802.11n (VHT20): 27.12 dBm 802.11n (VHT40): 23.24 dBm 802.11ax (HE20): 27.18 dBm 802.11ax (HE40): 23.31 dBm Beamforming Mode: 802.11n (HT20): 24.14 dBm 802.11n (HT40): 20.26 dBm 802.11n (VHT20): 24.11 dBm 802.11n (VHT40): 20.23 dBm 802.11ax (HE20): 24.18 dBm 802.11ax (HE40): 20.31 dBm

5.0 GHz:

AP Mode

5180 ~ 5240 MHz:

CDD Mode:

802.11a: 28.43 dBm

802.11n (HT20): 27.76 dBm

802.11n (HT40): 27.76 dBm

802.11ac (VHT20): 27.71 dBm

802.11ac (VHT40): 27.63 dBm

802.11ac (VHT80): 16.03 dBm

802.11ax (HE20): 27.88 dBm

802.11ax (HE40): 27.79 dBm

802.11ax (HE80): 16.08 dBm

Beamforming Mode:

802.11n (HT20): 24.75 dBm

802.11n (HT40): 24.75 dBm

802.11ac (VHT20): 24.70 dBm

802.11ac (VHT40): 24.62 dBm

802.11ac (VHT80): 13.02 dBm

802.11ax (HE20): 24.88 dBm

802.11ax (HE40): 24.79 dBm

802.11ax (HE80): 13.08 dBm

5745 ~ 5825 MHz:

CDD Mode:

802.11a: 25.75 dBm

802.11n (HT20): 26.60 dBm

802.11n (HT40): 26.30 dBm

802.11ac (VHT20): 26.66 dBm

802.11ac (VHT40): 26.38 dBm

802.11ac (VHT80): 26.40 dBm

802.11ax (HE20): 26.72 dBm

802.11ax (HE40): 26.44 dBm

802.11ax (HE80): 26.48 dBm

Beamforming Mode:

802.11n (HT20): 23.59 dBm

802.11n (HT40): 23.29 dBm

802.11ac (VHT20): 23.65 dBm

802.11ac (VHT40): 23.37 dBm

802.11ac (VHT80): 23.39 dBm

802.11ax (HE20): 23.71 dBm

802.11ax (HE40): 23.43 dBm

802.11ax (HE80): 23.47 dBm

Client Mode

5180 ~ 5240 MHz:

CDD Mode:

802.11a: 21.98 dBm

802.11ax (HE20): 22.65 dBm

802.11ax (HE40): 23.84 dBm

802.11ax (HE80): 16.08 dBm

天線種類：	見註 2
電源線類別：	N/A
信號線類別：	N/A
配件：	見註 5

註：

1. 此待測物之技術的種類為2Tx / 2Rx之組合。

Modulation Mode	Beamforming	Tx Function
802.11b	Not Support	2TX
802.11g	Not Support	2TX
802.11a	Not Support	2TX
802.11n (HT20)/ (VHT20)	Support	2TX
802.11n (HT40)/ (VHT40)	Support	2TX
802.11ac (VHT20)	Support	2TX
802.11ac (VHT40)	Support	2TX
802.11ac (VHT80)	Support	2TX
802.11ax (HE20)	Support	2TX
802.11ax (HE40)	Support	2TX
802.11ax (HE80)	Support	2TX

* The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 / VHT20 / VHT40 and 802.11n mode for VHT20 / VHT40 / VHT80 and 802.11ax mode for HE20 / HE40 / HE80, therefore investigated worst case to representative mode in test report. (最終測試模式請見註7)

* For 2.4GHz & 5GHz band, CDD mode is the worst case for final radiated emission below 1GHz and power line conducted emission tests after pretesting CDD mode and beamforming mode.

2. 此待測設備搭配測試的天線，其資料如下：

	頻帶 (MHz)	天線型式	天線型號	商標	接頭型式	Ant. No.	增益 (dBi)
WLAN	2412 ~ 2462	PIFA	Ant. 1: C056-511249-A Ant. 2: C056-511249-A	whayu 譚裕	i-pex(MHF)	1	3.1
						2	3.2
	5180 ~ 5240					1	4.3
						2	4.2
	5745 ~ 5825					1	4.3
						2	4.2

3. 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。

4. 此待測設備搭配使用之配件請參閱產品照編號: DLK-WTW-P20110226

5. 待測設備主要內裝元件及配件如下。

配件	廠牌	型號	規格
Adapter 1	ASIAN	WB-18Q12FU1 (US)	I/P: 100-240 Vac, 50-60 Hz, 0.6 A O/P: 12 Vdc, 1.5 A
Adapter 2	ASIAN	WA-30P12R	I/P: 100-240 Vac, 50-60 Hz, 0.9 A O/P: 12 Vdc, 2.5 A
Console cable	N/A	N/A	--

6. 待測設備的測試模式如下：

測試模式	描述
A	EUT with Adapter (WB18Q12FU1)
B	EUT with POE
C	EUT with Adapter (WA-30P12R)

* 1 GHz以下的場強輻射 & 電源線傳導干擾量測以上述三種測試模式進行測試，1 GHz以上的場強輻射量測與其餘測驗項目以測試模式A進行測試。

7. 此報告中，場強輻射量測經過評估後以下列測試模式進行最終量測。

量測項目	發射	接收
2412 ~ 2462 MHz		
1 GHz 以上量測	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11ax (HE20): Ch 1, 6, 11 802.11ax (HE40): Ch 3, 6, 9	802.11b: Ch 6
其它不必要之訊號	802.11b: Ch 6	802.11b: Ch 6
5180 ~ 5240 MHz & 5745 ~ 5825 MHz		
1 GHz 以上量測	802.11a: Ch 36, 40, 48, 149, 157, 165 802.11ax (HE20): Ch 36, 40, 48, 149, 157, 165 802.11ax (HE40): Ch 38, 46, 151, 159 802.11ax (HE80): Ch 42, 155	802.11a: Ch 40
其它不必要之訊號	802.11a: Ch 40	802.11a: Ch 40

8. 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。

9. 此報告中，測試模式評估如下

(1) 電源線傳導干擾量測經預掃後以模式4具有較大干擾值，故以其模式進行最終測試。

(2) 場強輻射量測以模式1~6評估完整測試。

模式	測試模式	測試狀態
1	A	TX/RX 2.4G
2	A	TX/RX 5G
3	B	TX/RX 2.4G
4	B	TX/RX 5G
5	C	TX/RX 2.4G
6	C	TX/RX 5G

10. 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、垂直、側放，其各擺放最大干擾值之位置為平躺，故以此擺放方式進行最終量測，並將測試結果紀錄。

11. Duty cycle of test signal.

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

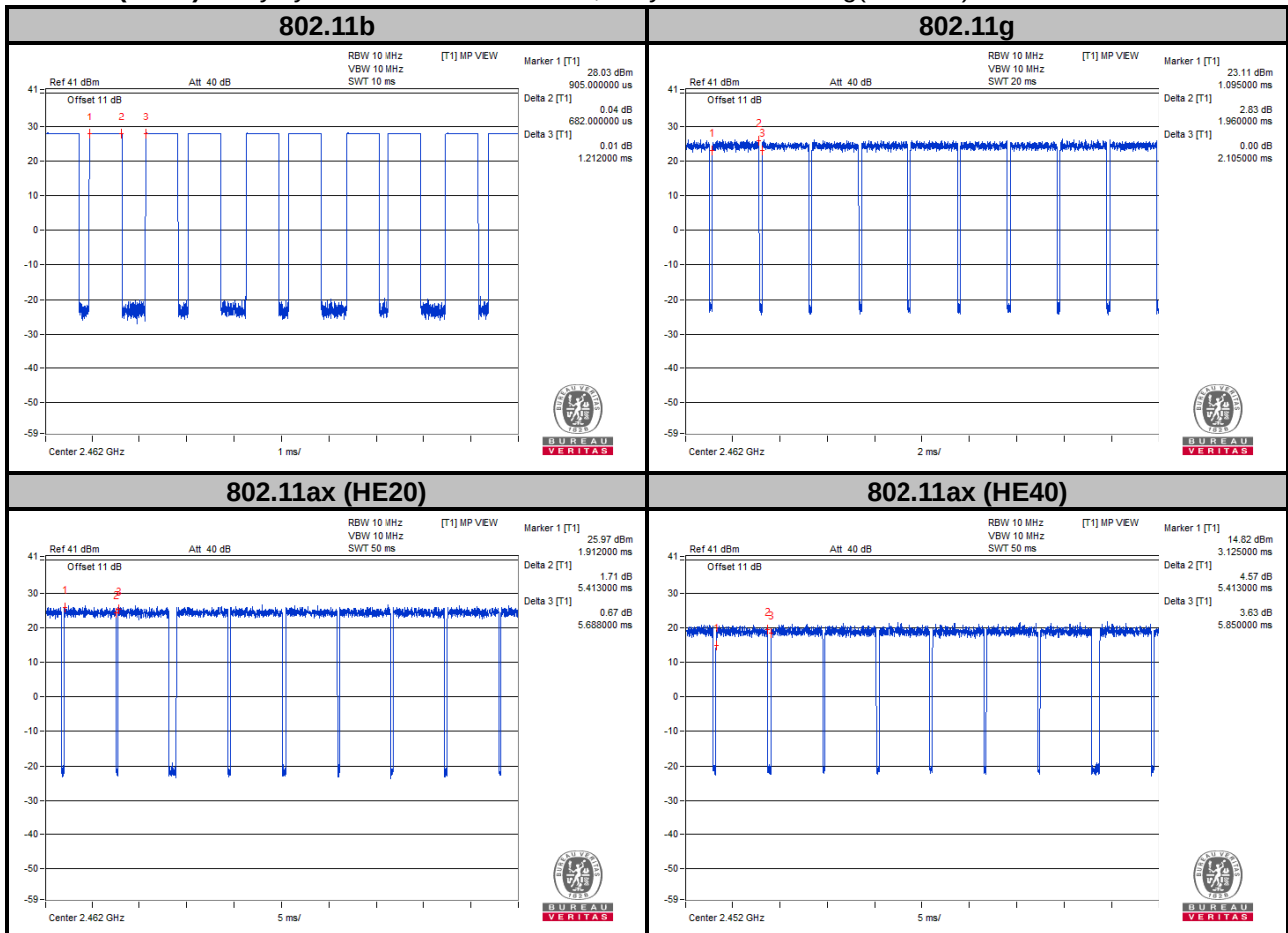
2.4 GHz 频段

802.11b: Duty cycle = $0.682/1.212 = 0.563$, Duty factor = $10 * \log(1/0.563) = 2.50$

802.11g: Duty cycle = $1.96/2.105 = 0.931$, Duty factor = $10 * \log(1/0.931) = 0.31$

802.11ax (HE20): Duty cycle = $5.413/5.688 = 0.952$, Duty factor = $10 * \log(1/0.952) = 0.22$

802.11ax (HE40): Duty cycle = $5.413/5.85 = 0.925$, Duty factor = $10 * \log(1/0.925) = 0.34$



5 GHz频段

802.11a: Duty cycle = $1.975/2.12 = 0.932$, Duty factor = $10 * \log(1/0.932) = 0.31$

802.11ax (HE20): Duty cycle = $5.4/5.75 = 0.939$, Duty factor = $10 * \log(1/0.939) = 0.27$

802.11ax (HE40): Duty cycle = $5.363/5.701 = 0.941$, Duty factor = $10 * \log(1/0.941) = 0.27$

802.11ax (HE80): Duty cycle = $5.375/5.85 = 0.919$, Duty factor = $10 * \log(1/0.919) = 0.37$



12. The manufacturer announced that the device has two operating modes, access point mode and client mode. When switched to client mode, the U-NII-1 output power will follow the client mode power table, and comply with NCC LP0002 section 5.7.3.1 (4) regulations.

此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g and 802.11n (HT20), 802.11n (VHT20) and 802.11ax (HE20):

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), 802.11n (VHT40) and 802.11ax (HE40):

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		

5 GHz 頻段:

802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20):

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

802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40):

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

802.11ac (VHT80):

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

詳細之規格請參考使用說明書。

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.	BSMI ID	Remarks
A.	Notebook	Lenovo	81A4	YD02TWF5	R33B65	--
B.	POE	UBIQUITI	GP-H480-050G	N/A	N/A	Provided by client
C.	Load	N/A	N/A	N/A	N/A	--

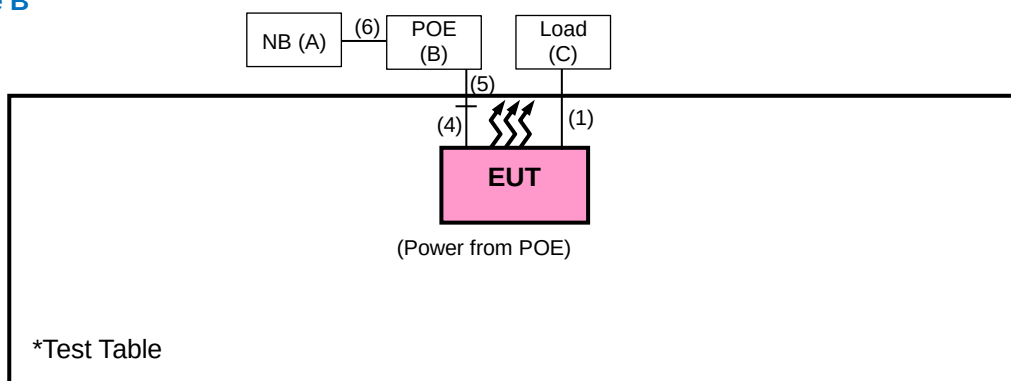
ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	Console Cable	1	1.8	N	0	Accessory of the EUT
2.	LAN Cable	1	10	N	0	RJ45, Provided by lab
3.	Adapter Cable	1	1.0	N	0	Accessory of the EUT
4.	LAN Cable	1	1.5	N	0	RJ45, Provided by lab
5.	LAN Cable	1	1.5	N	0	RJ45, Provided by lab
6.	LAN Cable	1	1.0	N	0	RJ45, Provided by lab

Note:

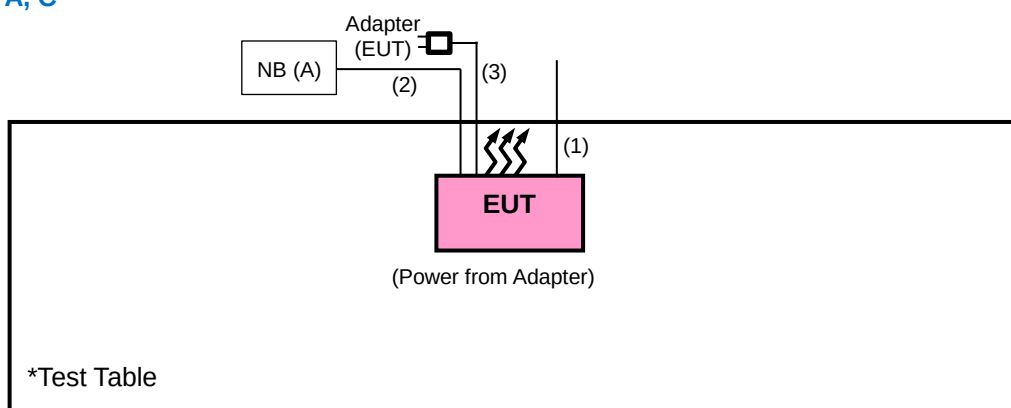
1. All power cords of the above support units are non-shielded (1.8m).
2. Item A acted as communication partner to transfer data.
3. 本案器材以申請者切結提供的隨貨配件及不隨貨配件，與實驗室提供的測試配件併同檢測。

2.3 測試架構圖

Mode B



Mode A, C



3 適用規範

3.1 規範要求和參考

►WLAN 頻段部份:

(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

(1) 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。

(2) 操作於 5.15~5.35 GHz 及 5.470~5.725 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。

(3) 操作於 5.725~5.850 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。

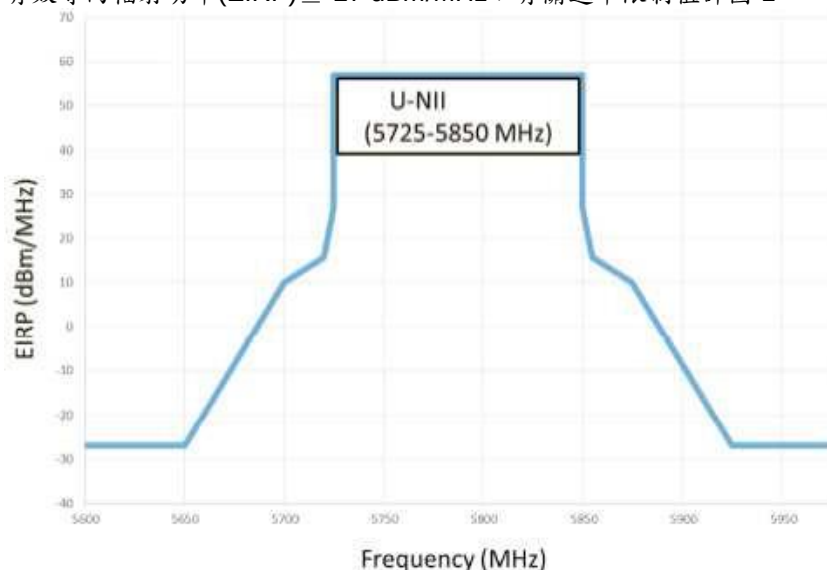


圖 1

(4) 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)
$0.009 \leq f \leq 0.490$	$2,400/f(\text{kHz})$	300
$0.490 < f \leq 1.705$	$24,000/f(\text{kHz})$	30
$1.705 < f < 30$	30	30
$30 \leq f \leq 88$	100	3
$88 < f \leq 216$	150	3
$216 < f \leq 960$	200	3
$960 < f$	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：

(1) 操作於 2.400~2.4835 GHz 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 = $10\log(\text{天線陣列之單元數目}) + \text{各單元中最高之方向性增益值}$ 。
 - (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。

(2) 操作於 5.15~5.25 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。

(3) 操作於 5.25~5.35 GHz 與 5.470~5.725 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。

(4) 操作於 5.725~5.850 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) 6 dB 頻寬之要求

(1) 操作於 2.400~2.4835 GHz 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，6 dB 頻寬至少應有 500 kHz。

(2) 操作於 5.725~5.850 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 6 dB 頻寬至少應有 500 kHz。

(6) 傳導輸出功率之要求

(1) 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。

(2) 操作於 5.15~5.25 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。

(3) 操作於 5.25~5.35 GHz 及 5.470~5.725 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 11 dBm+10log B (B 是 26 dB 發射頻寬，單位 MHz)之較小者。

(4) 操作於 5.725~5.850 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

(1) 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 3.10.1.3 之方式降低功率頻譜密度限制值。

(2) 操作於 5.15~5.25 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。

(3) 操作於 5.25~5.35 GHz 及 5.470~5.725 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。

(4) 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 5.25~5.35 GHz 與 5.470~5.725 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 5.25~5.35 GHz 與 5.470~5.725 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-64 dBm。

(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	1842/f	4.89/f	*900/f ²	6
30 - 300	61.4	0.163	1.0	6

300 - 1,500	---	---	f/300	6
1,500 - 100,000	---	---	5.0	6

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：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 - 3.0	614	1.63	*100	30
3 - 30	1842/f	4.89/f	*180/f ²	30
30 - 300	27.5	0.073	1.0	30
300 - 1,500	---	---	f/1500	30
1,500 - 100,000	---	---	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：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，任何低功率射頻器材之主波皆不得使用下表所列各頻段之頻率；低功率射頻器材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	

2.4 GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告 3.1 節第(2)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。

Note: 對於 1 GHz 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

發射諧波：

Peak 為 RBW = 1 MHz, VBW = 3 MHz ;

Average

802.11b 為 RBW = 1 MHz, VBW = 3 kHz

802.11g 為 RBW = 1 MHz, VBW = 1 kHz

802.11ax (HE20) 為 RBW = 1 MHz, VBW = 1 kHz

802.11ax (HE40) 為 RBW = 1 MHz, VBW = 1 kHz

接收諧波：

Below 1 GHz

Peak 為 RBW = 120 kHz, VBW = 360 kHz ; Quasi-Peak 為 RBW = 120 kHz, VBW = 120 kHz

Above 1 GHz:

Peak 為 RBW = 1 MHz, VBW = 3 MHz ; Average 為 RBW = 1 MHz, VBW = 3 MHz ; Detector: RMS ; Sweep time: Auto ; Trace count: trace average of at least 100 traces.

其它不必要之訊號

Peak 為 RBW = 120 kHz, VBW = 360 kHz ; Quasi-Peak 為 RBW = 120 kHz, VBW = 120 kHz

4.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver KEYSIGHT	N9038A	MY55420137	Apr. 16, 2020	Apr. 15, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Nov. 07, 2019	Nov. 06, 2020
			Nov. 06, 2020	Nov. 05, 2021
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	Nov. 24, 2019	Nov. 23, 2020
			Nov. 22, 2020	Nov. 29, 2021
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 24, 2019	Nov. 23, 2020
			Nov. 22, 2020	Nov. 29, 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
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM8000	CABLE-CH9-02 (248780+171006)	Jan. 18, 2020	Jan. 17, 2021
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9- (250795/4)	Jan. 18, 2020	Jan. 17, 2021
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
USB Wideband Power Sensor KEYSIGHT	U2021XA	MY55050005/MY551 90004/MY55190007/ MY55210005	Jul. 13, 2020	Jul. 12, 2021

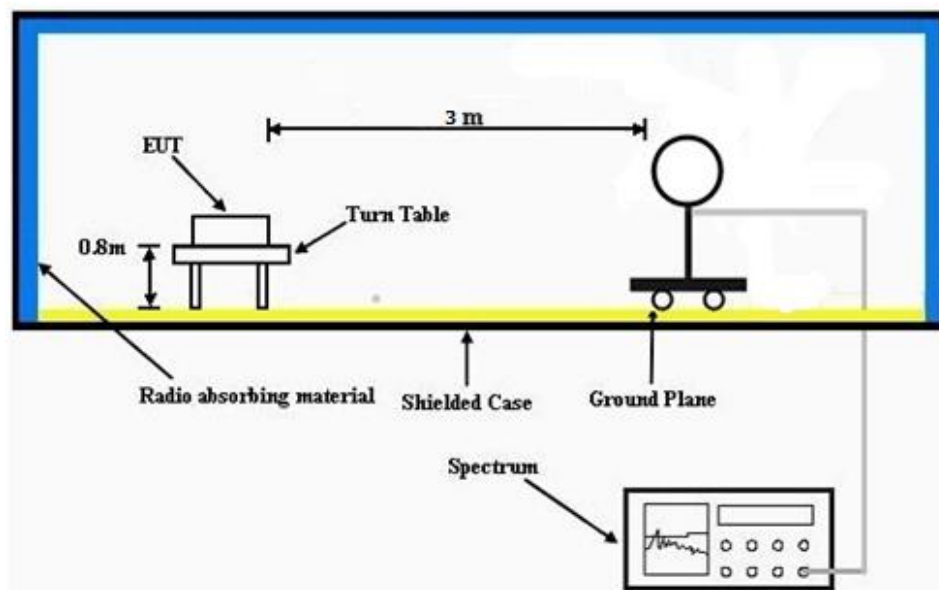
NOTE:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 9.
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.

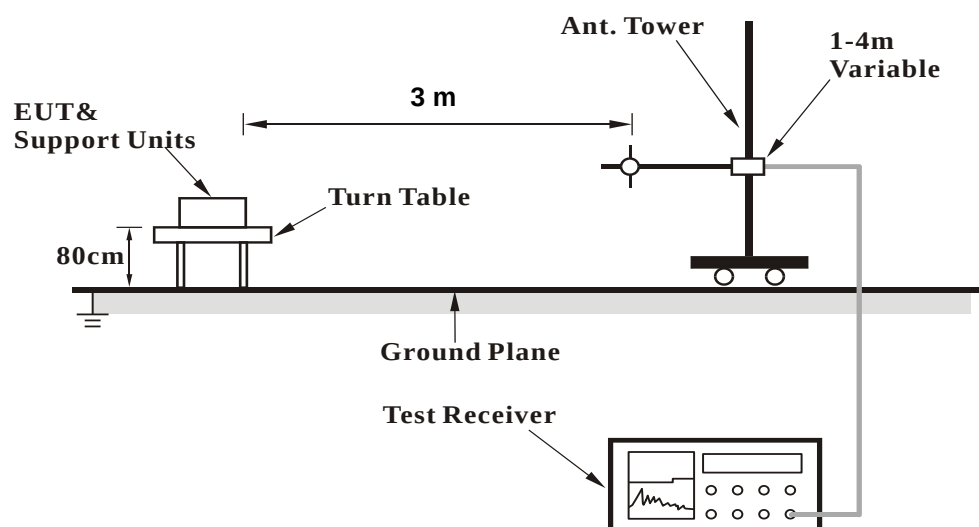
Measurement	Frequency	Uncertainty
Radiated emissions	9 kHz ~ 30 MHz	3.04 dB
	30 MHz ~ 200 MHz	3.59 dB
	200 MHz ~1000 MHz	3.60 dB
	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

4.4 測試配置

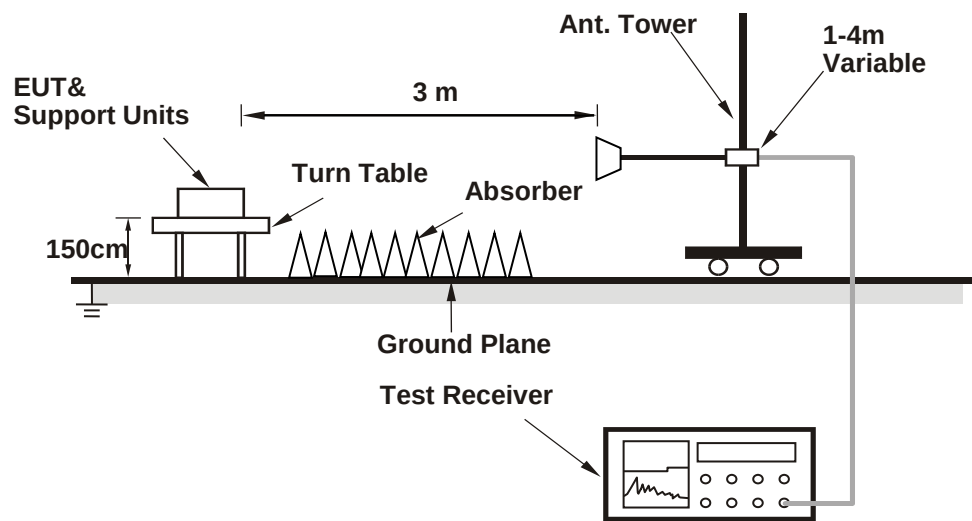
<Frequency Range 9 kHz ~ 30 MHz>



<Frequency Range below 1 GHz>



<Frequency Range above 1 GHz>



4.5 場強度之計算

場強之計算公式如下：

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

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

量測結果請見下頁。

4.6 量測結果

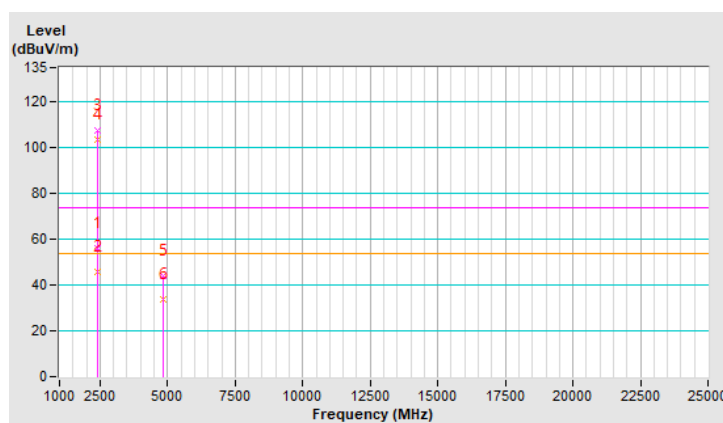
4.6.1 發射諧波

操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	56.3 PK	74.0	-17.7	2.54 H	282	25.1	31.2
2	2390.00	45.6 AV	54.0	-8.4	2.54 H	282	14.4	31.2
3	*2412.00	107.7 PK			2.54 H	282	76.6	31.1
4	*2412.00	103.7 AV			2.54 H	282	72.6	31.1
5	4824.00	44.3 PK	74.0	-29.7	3.43 H	217	42.5	1.8
6	4824.00	33.5 AV	54.0	-20.5	3.43 H	217	31.7	1.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

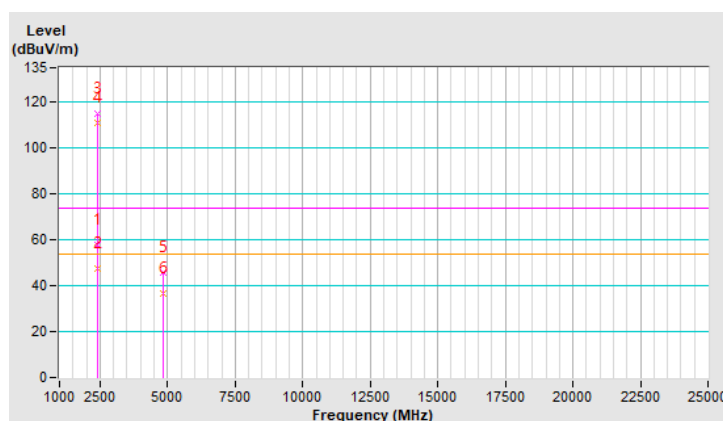


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	57.5 PK	74.0	-16.5	3.10 V	340	26.3	31.2
2	2390.00	47.3 AV	54.0	-6.7	3.10 V	340	16.1	31.2
3	*2412.00	114.8 PK			3.10 V	340	83.7	31.1
4	*2412.00	110.8 AV			3.10 V	340	79.7	31.1
5	4824.00	45.5 PK	74.0	-28.5	2.61 V	338	43.7	1.8
6	4824.00	36.4 AV	54.0	-17.6	2.61 V	338	34.6	1.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

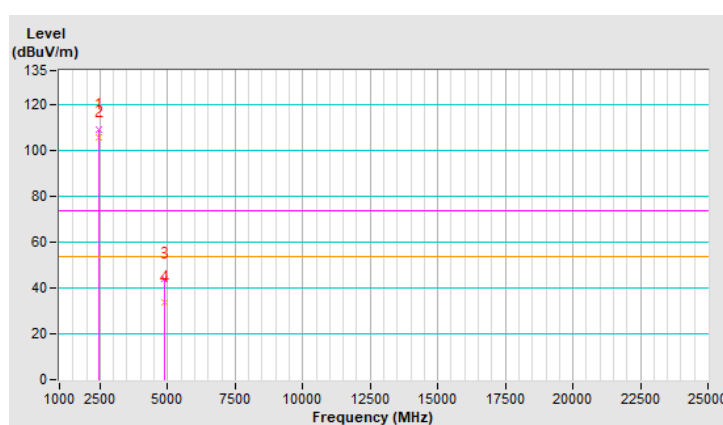


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.5 PK			2.68 H	293	78.4	31.1
2	*2437.00	105.6 AV			2.68 H	293	74.5	31.1
3	4874.00	44.3 PK	74.0	-29.7	3.49 H	220	42.3	2.0
4	4874.00	33.5 AV	54.0	-20.5	3.49 H	220	31.5	2.0
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

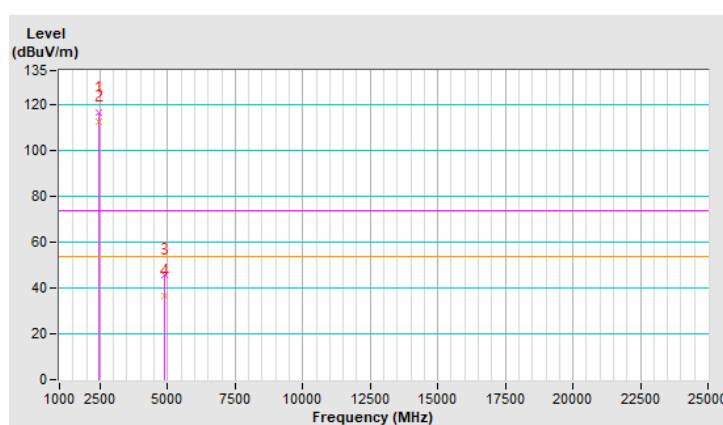


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.9 PK			3.10 V	337	85.8	31.1
2	*2437.00	112.9 AV			3.10 V	337	81.8	31.1
3	4874.00	45.9 PK	74.0	-28.1	2.53 V	334	43.9	2.0
4	4874.00	36.7 AV	54.0	-17.3	2.53 V	334	34.7	2.0
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

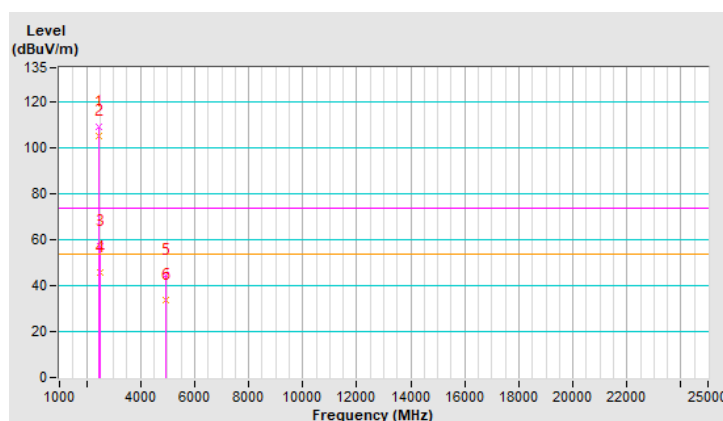


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.5 PK			2.52 H	289	78.4	31.1
2	*2462.00	105.5 AV			2.52 H	289	74.4	31.1
3	2483.50	57.4 PK	74.0	-16.6	2.52 H	289	26.2	31.2
4	2483.50	45.9 AV	54.0	-8.1	2.52 H	289	14.7	31.2
5	4924.00	44.7 PK	74.0	-29.3	3.54 H	221	42.6	2.1
6	4924.00	33.9 AV	54.0	-20.1	3.54 H	221	31.8	2.1
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

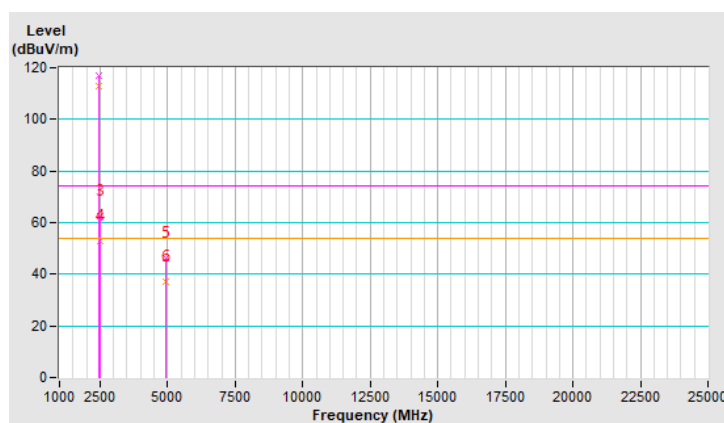


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.7 PK			2.98 V	337	85.6	31.1
2	*2462.00	112.8 AV			2.98 V	337	81.7	31.1
3	2483.50	62.3 PK	74.0	-11.7	2.98 V	337	31.1	31.2
4	2483.50	52.9 AV	54.0	-1.1	2.98 V	337	21.7	31.2
5	4924.00	46.4 PK	74.0	-27.6	2.62 V	331	44.3	2.1
6	4924.00	37.0 AV	54.0	-17.0	2.62 V	331	34.9	2.1
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

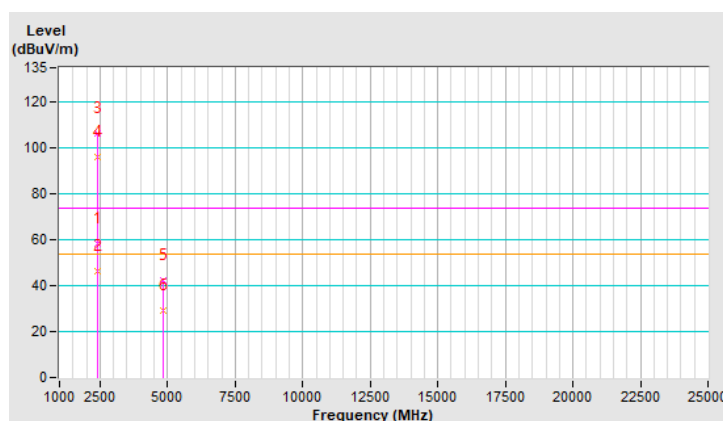


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	58.4 PK	74.0	-15.6	2.56 H	280	27.2	31.2
2	2390.00	46.1 AV	54.0	-7.9	2.56 H	280	14.9	31.2
3	*2412.00	106.3 PK			2.56 H	280	75.2	31.1
4	*2412.00	96.2 AV			2.56 H	280	65.1	31.1
5	4824.00	42.6 PK	74.0	-31.4	3.56 H	218	40.8	1.8
6	4824.00	29.3 AV	54.0	-24.7	3.56 H	218	27.5	1.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

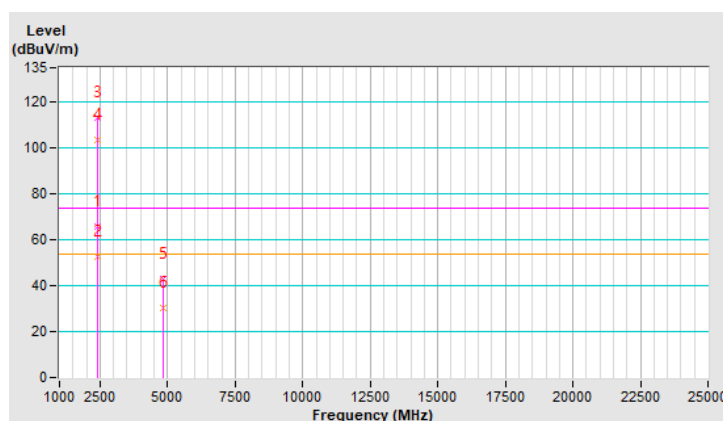


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.5 PK	74.0	-8.5	3.06 V	315	34.3	31.2
2	2390.00	52.5 AV	54.0	-1.5	3.06 V	315	21.3	31.2
3	*2412.00	113.5 PK			3.06 V	315	82.4	31.1
4	*2412.00	103.3 AV			3.06 V	315	72.2	31.1
5	4824.00	43.1 PK	74.0	-30.9	2.56 V	328	41.3	1.8
6	4824.00	30.1 AV	54.0	-23.9	2.56 V	328	28.3	1.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

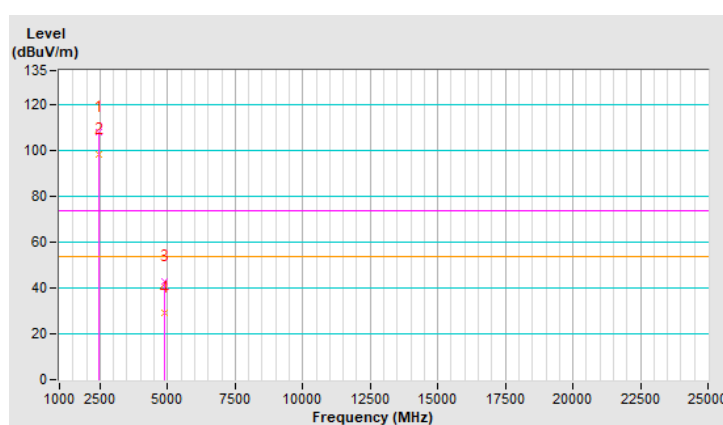


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	108.1 PK			2.55 H	285	77.0	31.1
2	*2437.00	98.5 AV			2.55 H	285	67.4	31.1
3	4874.00	42.7 PK	74.0	-31.3	3.43 H	215	40.7	2.0
4	4874.00	29.4 AV	54.0	-24.6	3.43 H	215	27.4	2.0
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

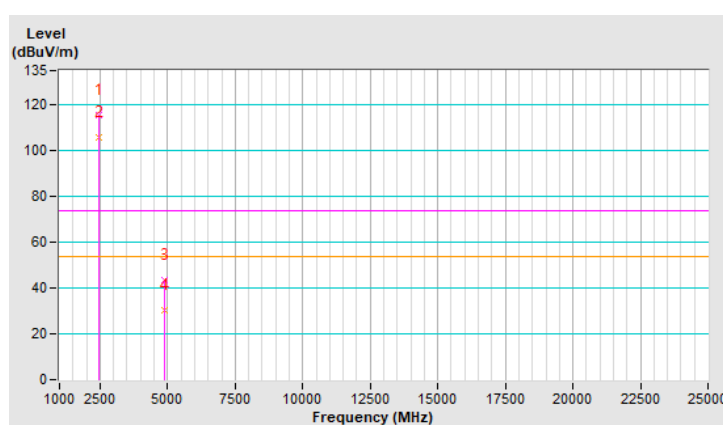


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	115.8 PK			3.00 V	315	84.7	31.1
2	*2437.00	105.9 AV			3.00 V	315	74.8	31.1
3	4874.00	43.6 PK	74.0	-30.4	2.53 V	337	41.6	2.0
4	4874.00	30.5 AV	54.0	-23.5	2.53 V	337	28.5	2.0
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

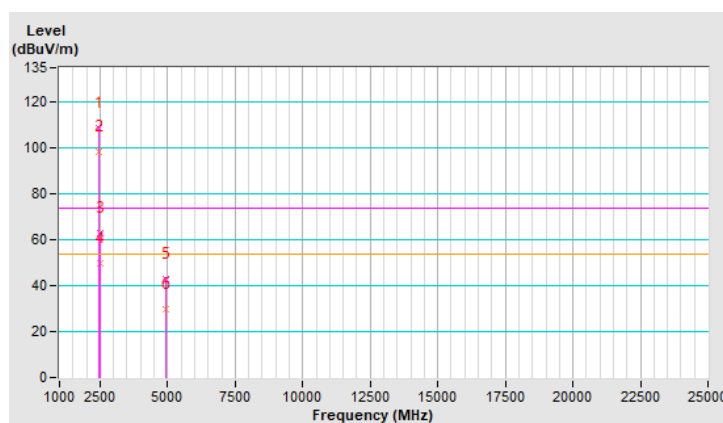


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	108.5 PK			2.46 H	279	77.4	31.1
2	*2462.00	98.4 AV			2.46 H	279	67.3	31.1
3	2483.50	62.9 PK	74.0	-11.1	2.46 H	279	31.7	31.2
4	2483.50	49.5 AV	54.0	-4.5	2.46 H	279	18.3	31.2
5	4924.00	43.0 PK	74.0	-31.0	3.42 H	216	40.9	2.1
6	4924.00	29.9 AV	54.0	-24.1	3.42 H	216	27.8	2.1
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

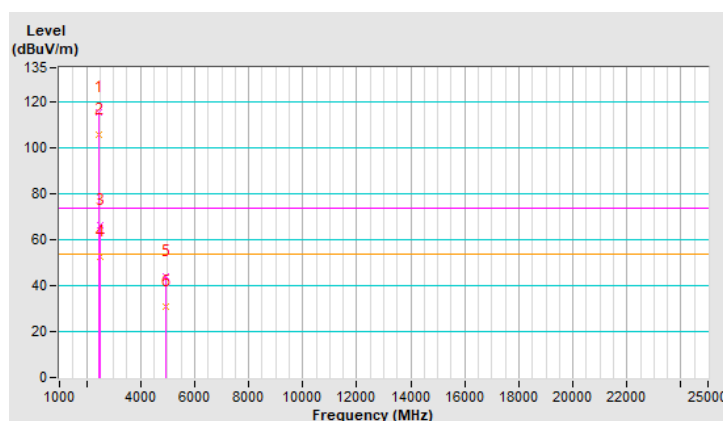


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	115.7 PK			2.93 V	315	84.6	31.1
2	*2462.00	105.6 AV			2.93 V	315	74.5	31.1
3	2483.50	66.6 PK	74.0	-7.4	2.93 V	315	35.4	31.2
4	2483.50	52.5 AV	54.0	-1.5	2.93 V	315	21.3	31.2
5	4924.00	43.9 PK	74.0	-30.1	2.57 V	328	41.8	2.1
6	4924.00	30.7 AV	54.0	-23.3	2.57 V	328	28.6	2.1
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

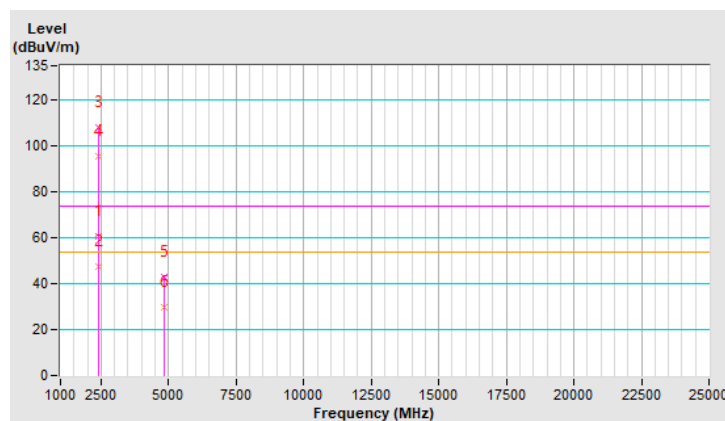


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	60.6 PK	74.0	-13.4	2.53 H	281	29.4	31.2
2	2390.00	47.6 AV	54.0	-6.4	2.53 H	281	16.4	31.2
3	*2412.00	108.3 PK			2.53 H	281	77.2	31.1
4	*2412.00	95.4 AV			2.53 H	281	64.3	31.1
5	4824.00	43.1 PK	74.0	-30.9	3.43 H	218	41.3	1.8
6	4824.00	29.7 AV	54.0	-24.3	3.43 H	218	27.9	1.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

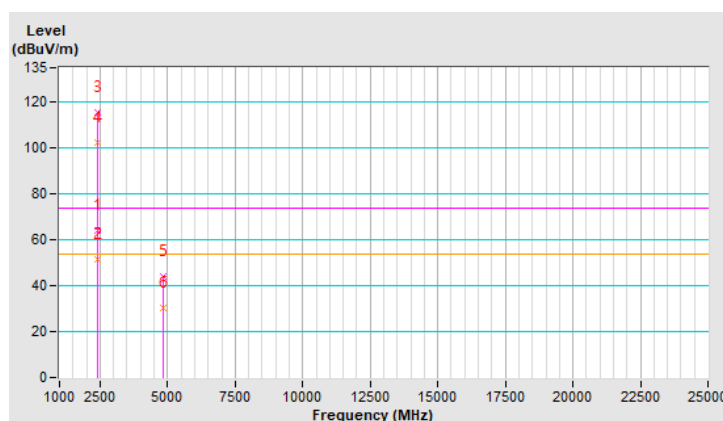


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.3 PK	74.0	-9.7	3.02 V	306	33.1	31.2
2	2390.00	51.5 AV	54.0	-2.5	3.02 V	306	20.3	31.2
3	*2412.00	115.4 PK			3.02 V	306	84.3	31.1
4	*2412.00	102.5 AV			3.02 V	306	71.4	31.1
5	4824.00	44.0 PK	74.0	-30.0	2.48 V	331	42.2	1.8
6	4824.00	30.6 AV	54.0	-23.4	2.48 V	331	28.8	1.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

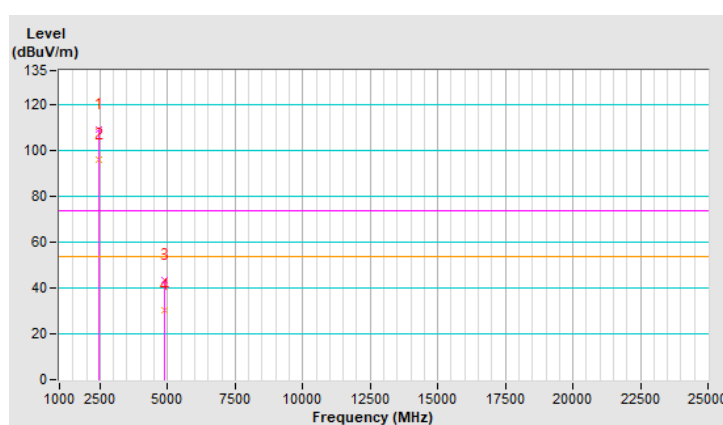


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.1 PK			2.50 H	287	78.0	31.1
2	*2437.00	96.3 AV			2.50 H	287	65.2	31.1
3	4874.00	43.3 PK	74.0	-30.7	3.46 H	227	41.3	2.0
4	4874.00	30.1 AV	54.0	-23.9	3.46 H	227	28.1	2.0
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

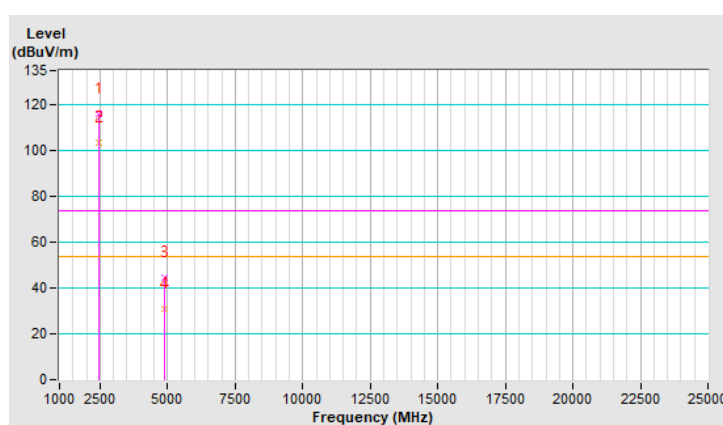


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.2 PK			3.06 V	312	85.1	31.1
2	*2437.00	103.4 AV			3.06 V	312	72.3	31.1
3	4874.00	44.4 PK	74.0	-29.6	2.57 V	339	42.4	2.0
4	4874.00	30.9 AV	54.0	-23.1	2.57 V	339	28.9	2.0
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

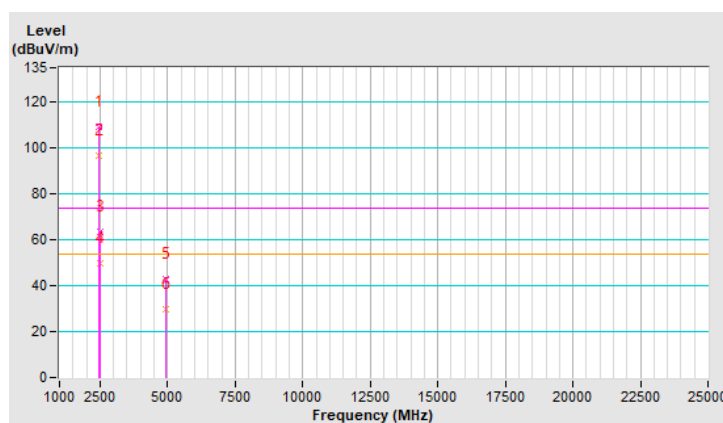


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.5 PK			2.52 H	279	78.4	31.1
2	*2462.00	96.8 AV			2.52 H	279	65.7	31.1
3	2483.50	63.4 PK	74.0	-10.6	2.52 H	279	32.2	31.2
4	2483.50	49.7 AV	54.0	-4.3	2.52 H	279	18.5	31.2
5	4924.00	42.9 PK	74.0	-31.1	3.52 H	237	40.8	2.1
6	4924.00	30.0 AV	54.0	-24.0	3.52 H	237	27.9	2.1
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

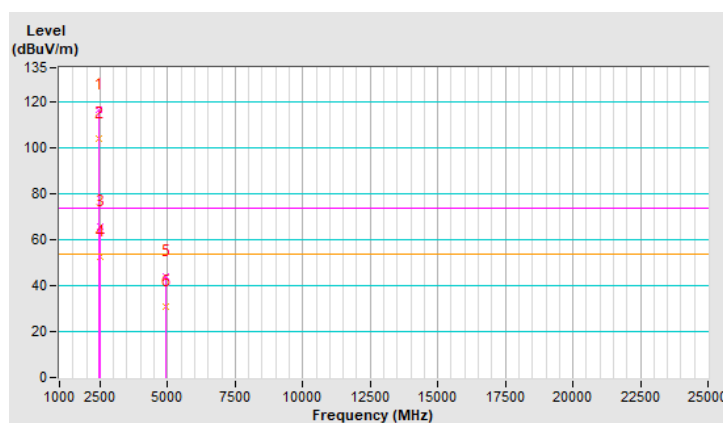


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.6 PK			2.97 V	313	85.5	31.1
2	*2462.00	104.0 AV			2.97 V	313	72.9	31.1
3	2483.50	65.8 PK	74.0	-8.2	2.97 V	313	34.6	31.2
4	2483.50	52.4 AV	54.0	-1.6	2.97 V	313	21.2	31.2
5	4924.00	44.2 PK	74.0	-29.8	2.43 V	327	42.1	2.1
6	4924.00	30.8 AV	54.0	-23.2	2.43 V	327	28.7	2.1
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

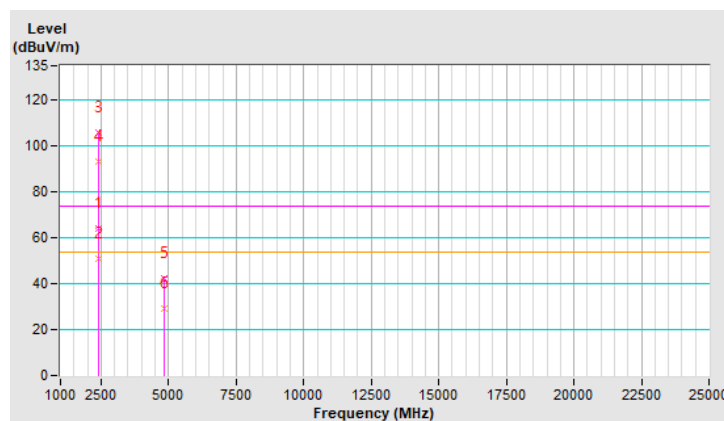


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	64.0 PK	74.0	-10.0	2.56 H	287	32.8	31.2
2	2390.00	51.0 AV	54.0	-3.0	2.56 H	287	19.8	31.2
3	*2422.00	105.9 PK			2.56 H	287	74.8	31.1
4	*2422.00	93.3 AV			2.56 H	287	62.2	31.1
5	4844.00	42.5 PK	74.0	-31.5	3.52 H	231	40.6	1.9
6	4844.00	29.3 AV	54.0	-24.7	3.52 H	231	27.4	1.9
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#24220.00	-	-	-	-	-	-	-

Remarks:

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

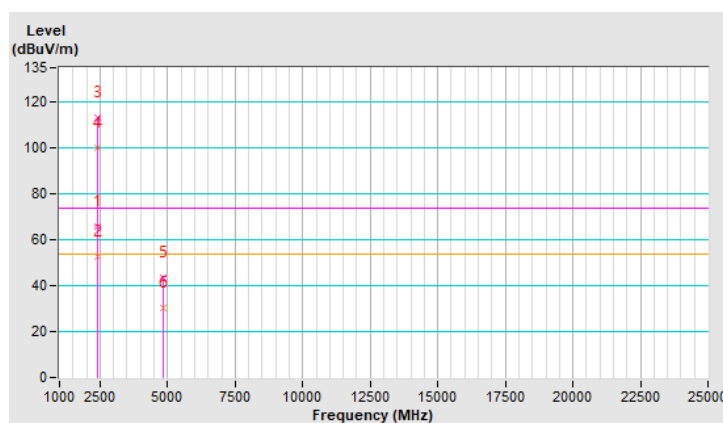


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 28 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	65.6 PK	74.0	-8.4	3.00 V	332	34.4	31.2
2	2390.00	52.6 AV	54.0	-1.4	3.00 V	332	21.4	31.2
3	*2422.00	113.0 PK			3.00 V	332	81.9	31.1
4	*2422.00	100.3 AV			3.00 V	332	69.2	31.1
5	4844.00	43.6 PK	74.0	-30.4	2.49 V	325	41.7	1.9
6	4844.00	30.3 AV	54.0	-23.7	2.49 V	325	28.4	1.9
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#24220.00	-	-	-	-	-	-	-

Remarks:

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

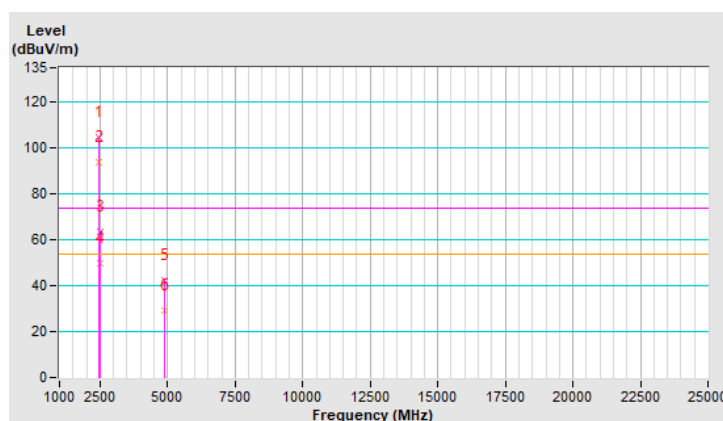


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	104.6 PK			2.62 H	294	73.5	31.1
2	*2437.00	93.7 AV			2.62 H	294	62.6	31.1
3	2483.50	63.6 PK	74.0	-10.4	2.62 H	294	32.4	31.2
4	2483.50	50.0 AV	54.0	-4.0	2.62 H	294	18.8	31.2
5	4874.00	42.4 PK	74.0	-31.6	3.53 H	238	40.4	2.0
6	4874.00	29.4 AV	54.0	-24.6	3.53 H	238	27.4	2.0
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#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 output power.

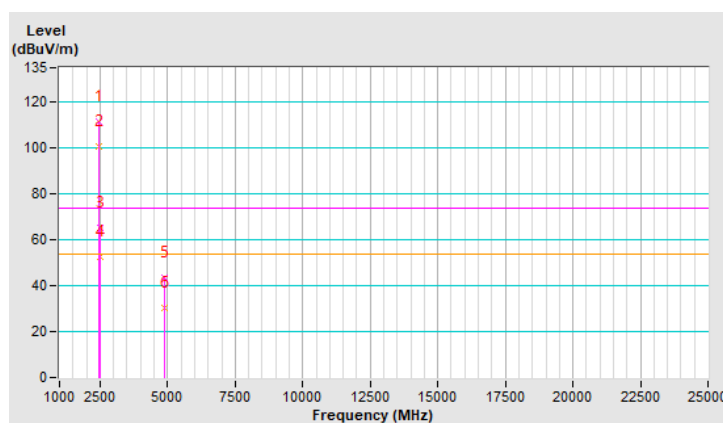


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.6 PK			3.00 V	341	80.5	31.1
2	*2437.00	100.9 AV			3.00 V	341	69.8	31.1
3	2483.50	65.4 PK	74.0	-8.6	3.00 V	341	34.2	31.2
4	2483.50	52.5 AV	54.0	-1.5	3.00 V	341	21.3	31.2
5	4874.00	43.6 PK	74.0	-30.4	2.51 V	336	41.6	2.0
6	4874.00	30.3 AV	54.0	-23.7	2.51 V	336	28.3	2.0
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#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 output power.

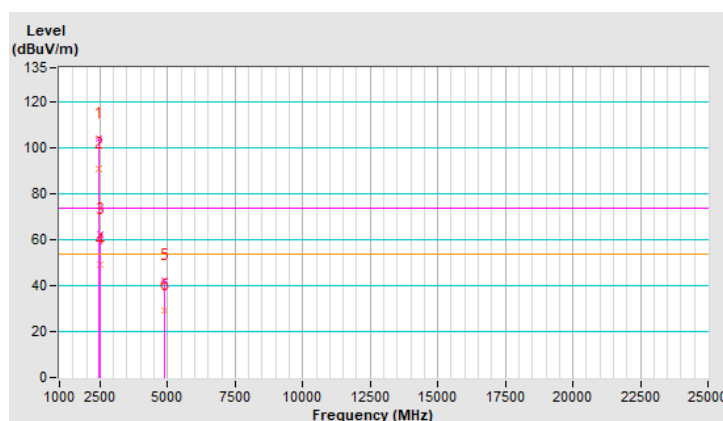


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 9：2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	103.9 PK			2.61 H	290	72.8	31.1
2	*2452.00	91.2 AV			2.61 H	290	60.1	31.1
3	2483.50	62.3 PK	74.0	-11.7	2.61 H	290	31.1	31.2
4	2483.50	49.3 AV	54.0	-4.7	2.61 H	290	18.1	31.2
5	4904.00	42.3 PK	74.0	-31.7	3.37 H	216	40.3	2.0
6	4904.00	29.1 AV	54.0	-24.9	3.37 H	216	27.1	2.0
7	7356.00	-	-	-	-	-	-	-
8	#9808.00	-	-	-	-	-	-	-
9	12260.00	-	-	-	-	-	-	-
10	#14712.00	-	-	-	-	-	-	-
11	#17164.00	-	-	-	-	-	-	-
12	19616.00	-	-	-	-	-	-	-
13	22068.00	-	-	-	-	-	-	-
14	#24520.00	-	-	-	-	-	-	-

Remarks:

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

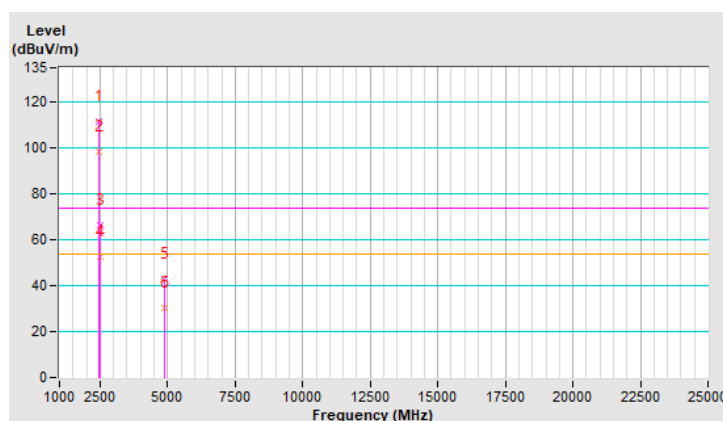


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 9：2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.3 PK			2.96 V	313	80.2	31.1
2	*2452.00	98.4 AV			2.96 V	313	67.3	31.1
3	2483.50	66.3 PK	74.0	-7.7	2.96 V	313	35.1	31.2
4	2483.50	52.7 AV	54.0	-1.3	2.96 V	313	21.5	31.2
5	4904.00	43.0 PK	74.0	-31.0	2.66 V	347	41.0	2.0
6	4904.00	30.2 AV	54.0	-23.8	2.66 V	347	28.2	2.0
7	7356.00	-	-	-	-	-	-	-
8	#9808.00	-	-	-	-	-	-	-
9	12260.00	-	-	-	-	-	-	-
10	#14712.00	-	-	-	-	-	-	-
11	#17164.00	-	-	-	-	-	-	-
12	19616.00	-	-	-	-	-	-	-
13	22068.00	-	-	-	-	-	-	-
14	#24520.00	-	-	-	-	-	-	-

Remarks:

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



4.6.2 接收諧波

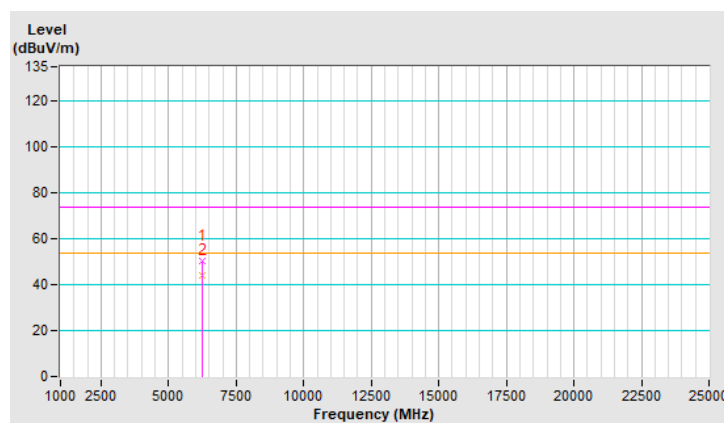
802.11b

操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109年8月7日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6249.00	50.1 PK	74.0	-23.9	2.96 H	237	46.4	3.7
2	6249.00	43.8 AV	54.0	-10.2	2.96 H	237	40.1	3.7

Remarks:

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

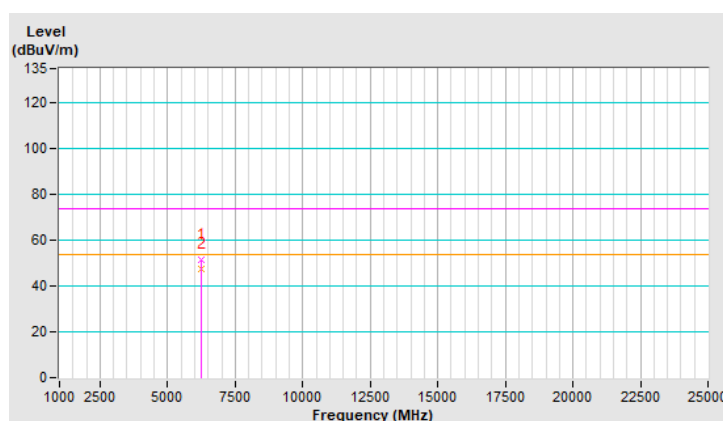


操作模式：	接收		
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6249.00	51.6 PK	74.0	-22.4	2.29 V	53	47.9	3.7
2	6249.00	47.2 AV	54.0	-6.8	2.29 V	53	43.5	3.7

Remarks:

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

9 kHz ~ 30 MHz Data:

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

30 MHz ~ 1 GHz Data:

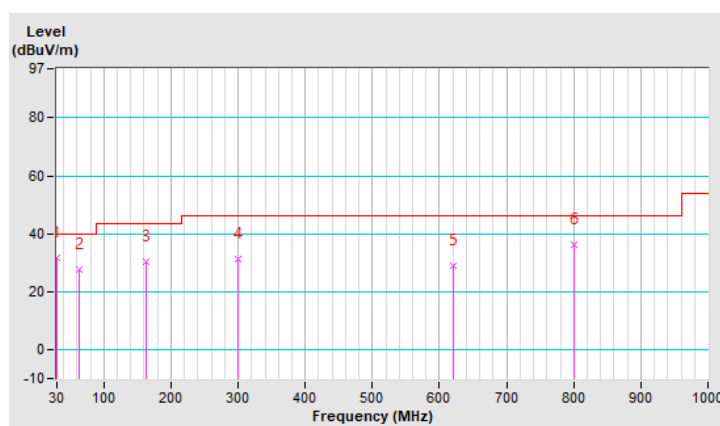
Mode A

操作模式：	發射接收 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109年8月7日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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 H	322	42.3	-10.5
2	63.95	27.8 QP	40.0	-12.2	1.00 H	81	37.7	-9.9
3	162.89	30.2 QP	43.5	-13.3	1.00 H	242	38.7	-8.5
4	299.66	31.4 QP	46.0	-14.6	1.00 H	145	38.5	-7.1
5	620.73	29.2 QP	46.0	-16.8	1.50 H	319	29.6	-0.4
6	800.18	36.3 QP	46.0	-9.7	1.00 H	97	33.5	2.8

Remarks:

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

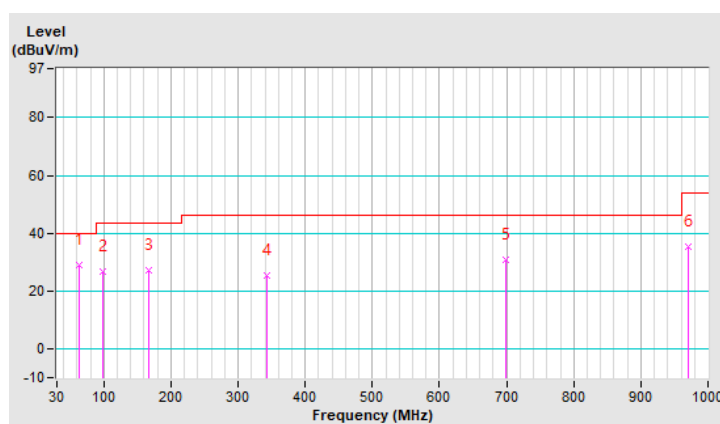


操作模式：	發射接收 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	63.95	29.2 QP	40.0	-10.8	1.50 V	103	39.1	-9.9
2	97.90	26.9 QP	43.5	-16.6	1.25 V	174	40.7	-13.8
3	166.77	27.1 QP	43.5	-16.4	1.00 V	252	35.9	-8.8
4	343.31	25.5 QP	46.0	-20.5	1.50 V	203	31.6	-6.1
5	699.30	31.0 QP	46.0	-15.0	1.00 V	300	30.2	0.8
6	969.93	35.4 QP	54.0	-18.6	1.25 V	200	29.6	5.8

Remarks:

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



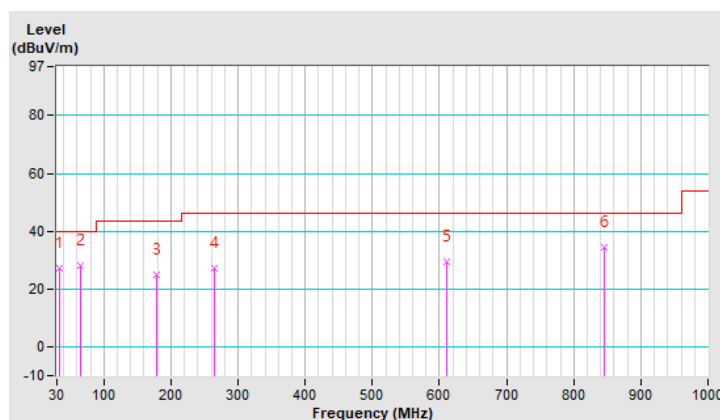
Mode B

操作模式：	發射/接收 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 11 月 24 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	27.1 QP	40.0	-12.9	1.25 H	72	37.7	-10.6
2	64.92	28.1 QP	40.0	-11.9	1.00 H	121	38.5	-10.4
3	178.41	24.9 QP	43.5	-18.6	1.50 H	285	34.7	-9.8
4	264.74	27.0 QP	46.0	-19.0	1.00 H	112	35.2	-8.2
5	611.03	29.5 QP	46.0	-16.5	1.00 H	349	30.0	-0.5
6	844.80	34.6 QP	46.0	-11.4	1.25 H	178	31.1	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 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.

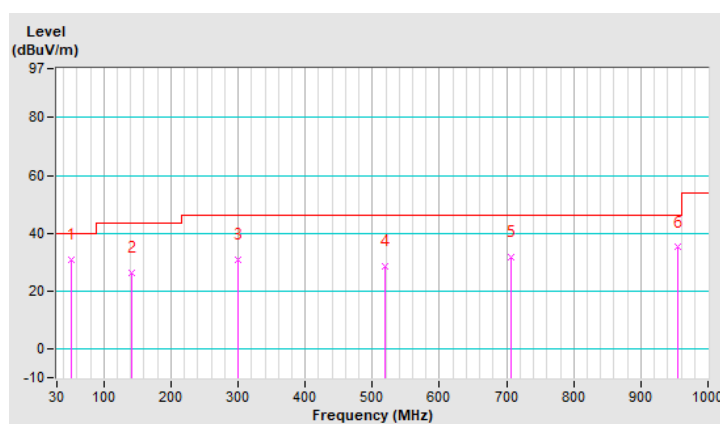


操作模式：	發射/接收 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 11 月 24 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	51.34	31.0 QP	40.0	-9.0	1.00 V	73	40.2	-9.2
2	140.58	26.4 QP	43.5	-17.1	1.00 V	181	35.6	-9.2
3	299.66	30.7 QP	46.0	-15.3	1.00 V	70	37.8	-7.1
4	518.88	28.5 QP	46.0	-17.5	1.00 V	217	31.2	-2.7
5	706.09	31.6 QP	46.0	-14.4	1.00 V	179	30.7	0.9
6	955.38	35.1 QP	46.0	-10.9	1.00 V	47	29.5	5.6

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.



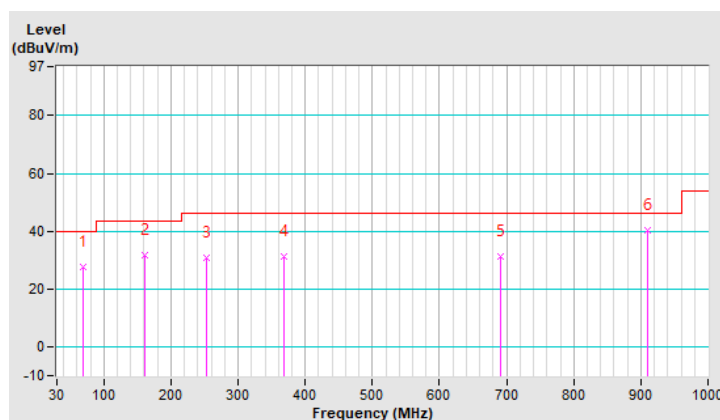
Mode C

操作模式：	發射接收 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109年8月7日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	69.77	27.6 QP	40.0	-12.4	1.00 H	14	38.5	-10.9
2	160.95	31.7 QP	43.5	-11.8	1.00 H	139	40.3	-8.6
3	252.13	30.7 QP	46.0	-15.3	1.25 H	113	39.6	-8.9
4	368.53	31.4 QP	46.0	-14.6	1.50 H	73	36.9	-5.5
5	691.54	31.2 QP	46.0	-14.8	1.25 H	248	30.5	0.7
6	909.79	40.2 QP	46.0	-5.8	1.50 H	102	35.3	4.9

Remarks:

1. Emission Level(dBuV/m) = 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.

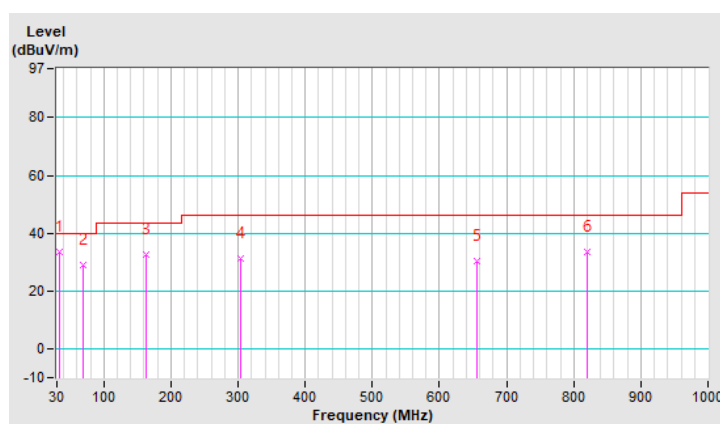


操作模式：	發射接收 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	33.7 QP	40.0	-6.3	1.00 V	126	44.3	-10.6
2	68.80	29.0 QP	40.0	-11.0	1.00 V	7	39.9	-10.9
3	163.86	32.6 QP	43.5	-10.9	1.50 V	111	41.3	-8.7
4	304.51	31.3 QP	46.0	-14.7	1.00 V	174	38.3	-7.0
5	656.62	30.5 QP	46.0	-15.5	1.00 V	32	30.3	0.2
6	819.58	33.3 QP	46.0	-12.7	1.00 V	240	30.2	3.1

Remarks:

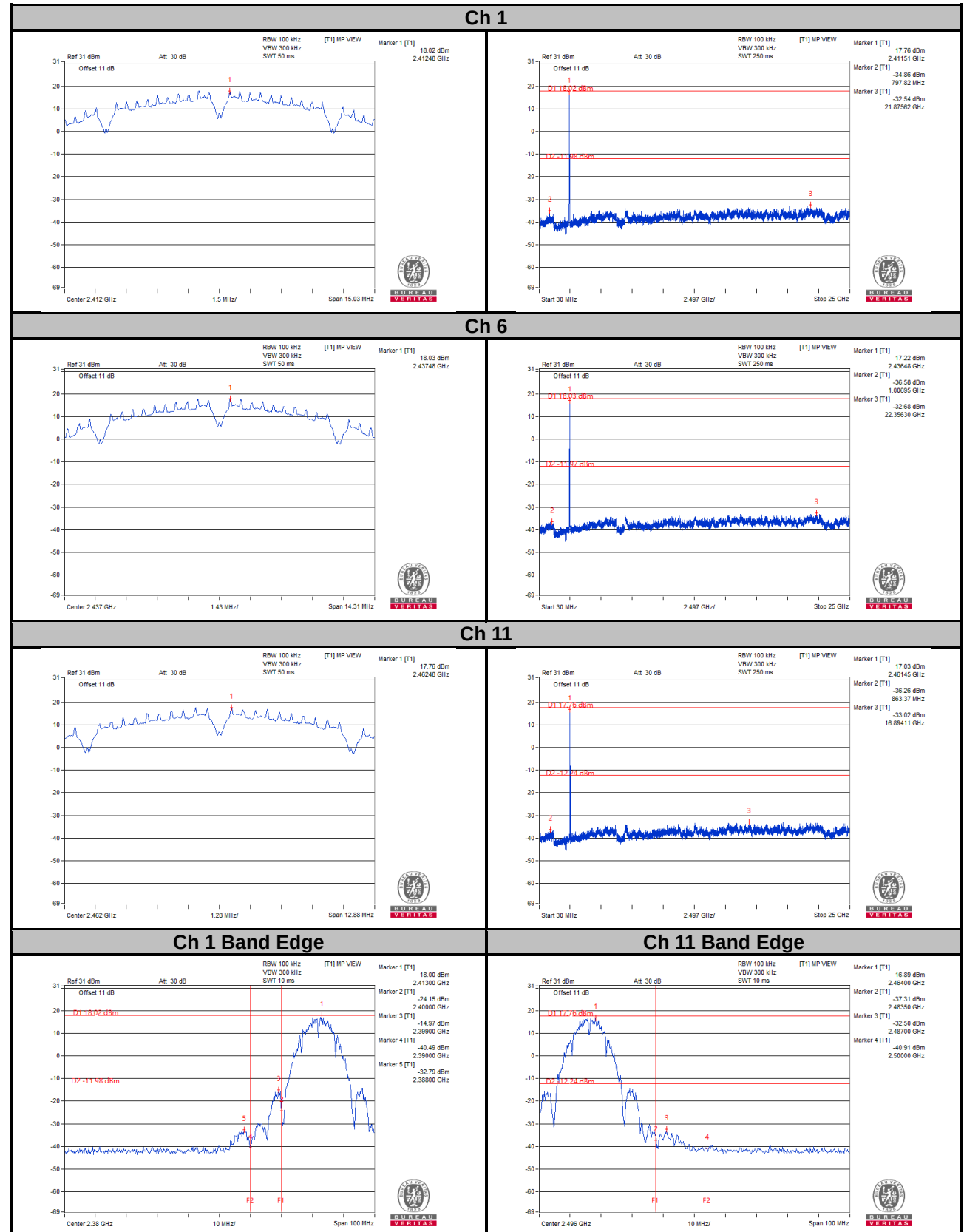
1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.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



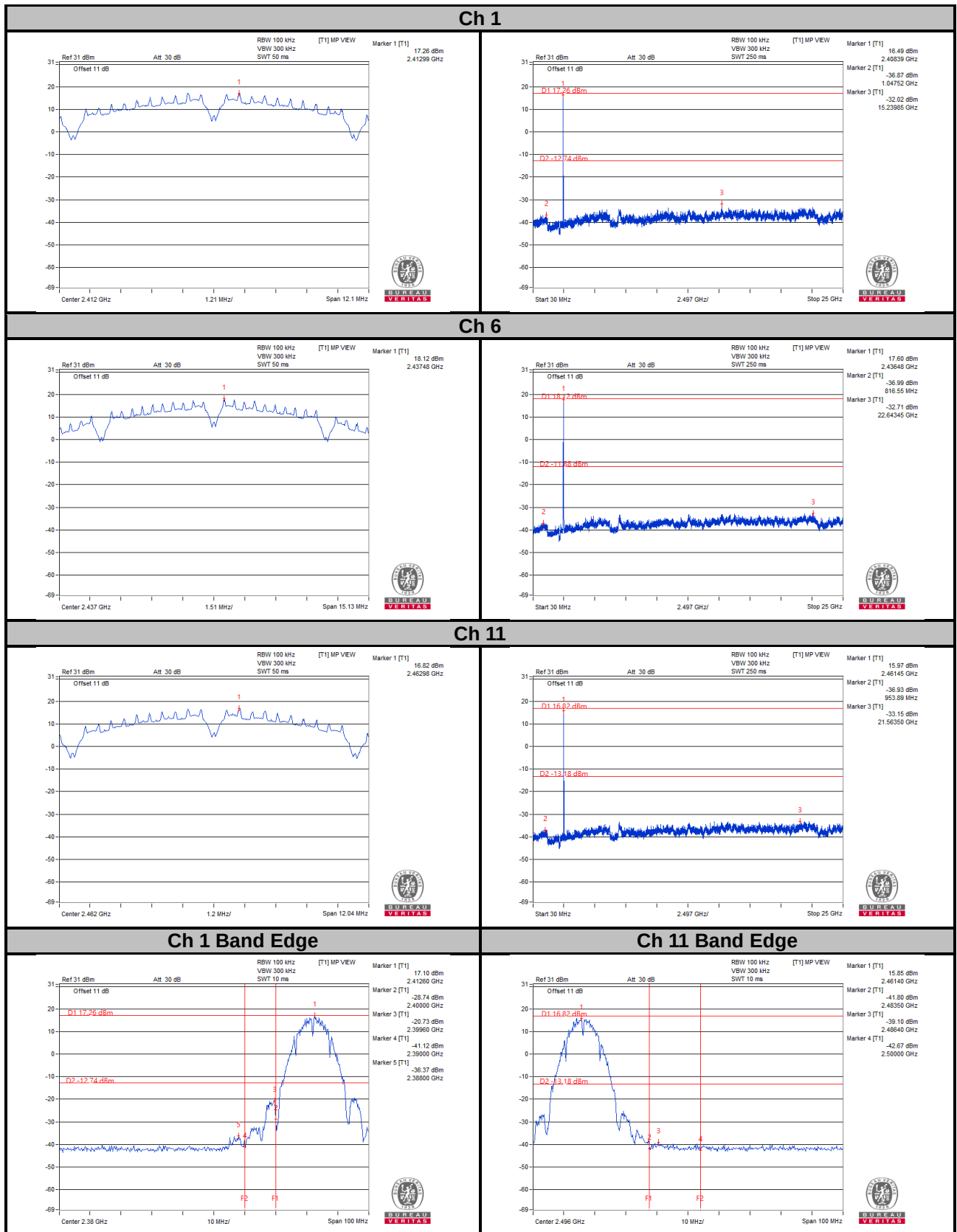
4.7 帶外發射之量測 (傳導)

802.11b

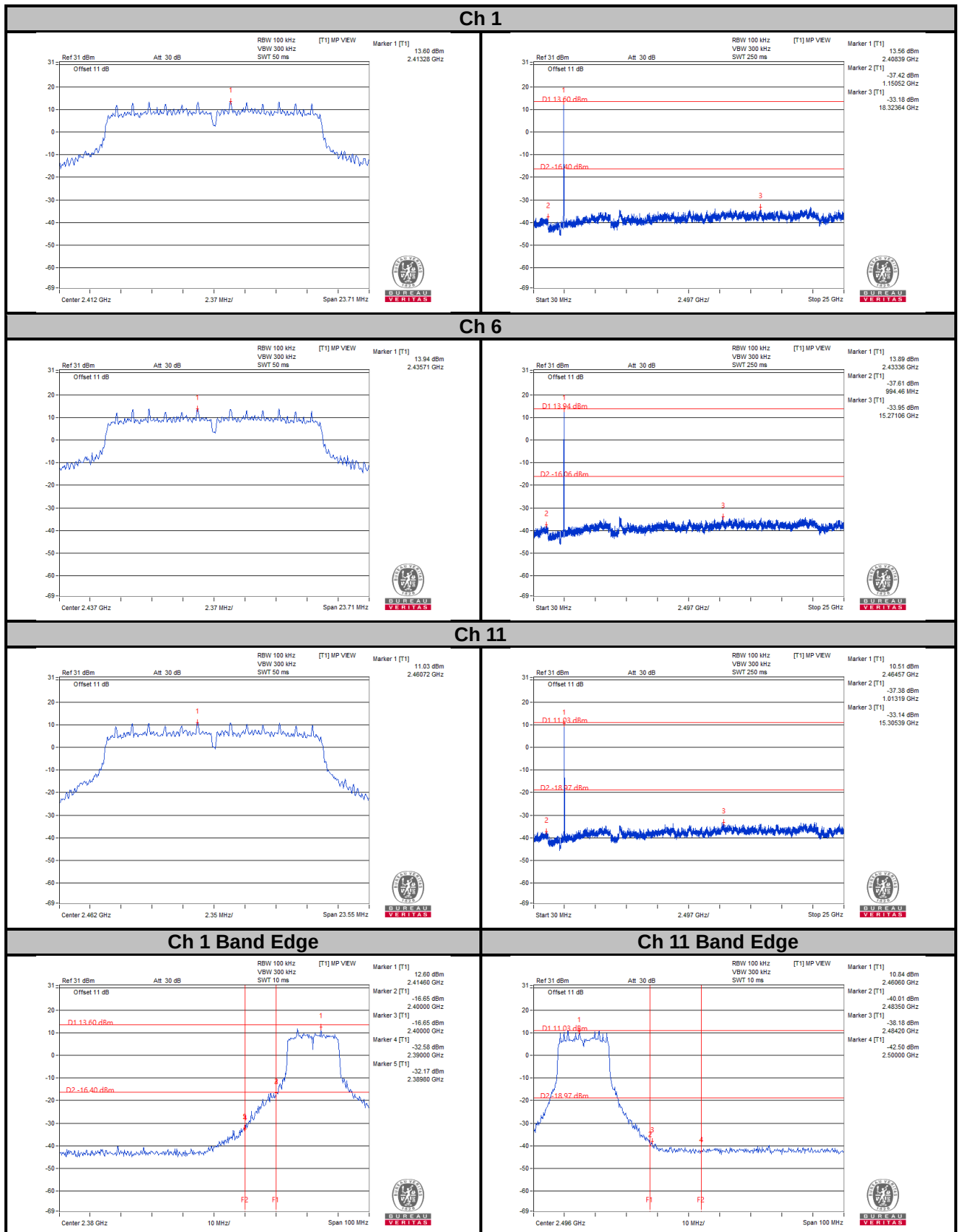
CHAIN 0



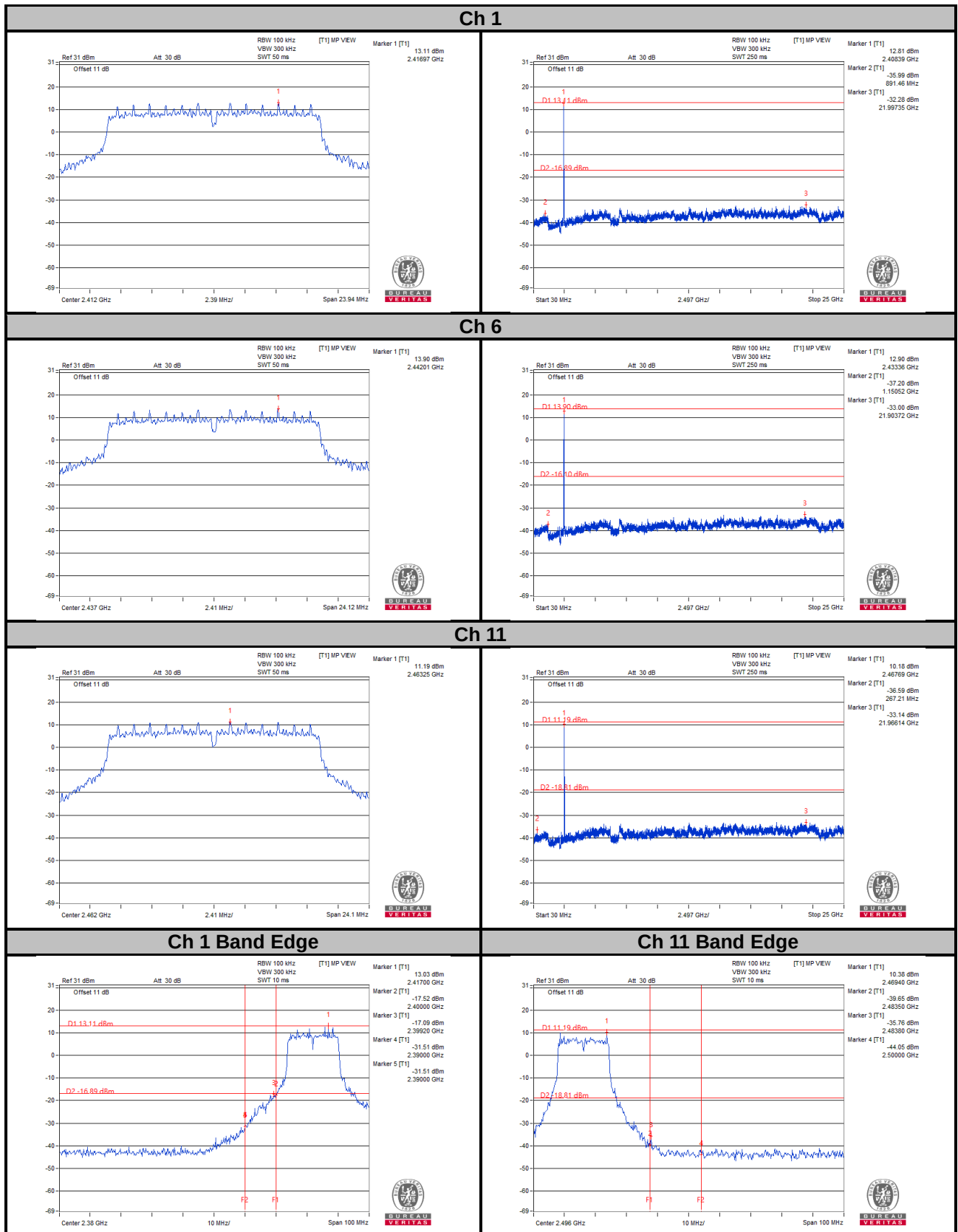
CHAIN 1



802.11g CHAIN 0



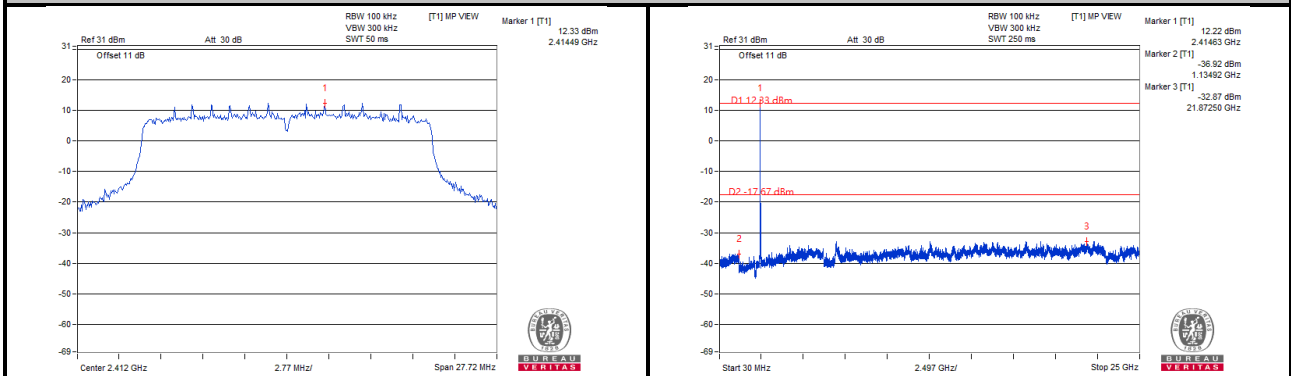
CHAIN 1



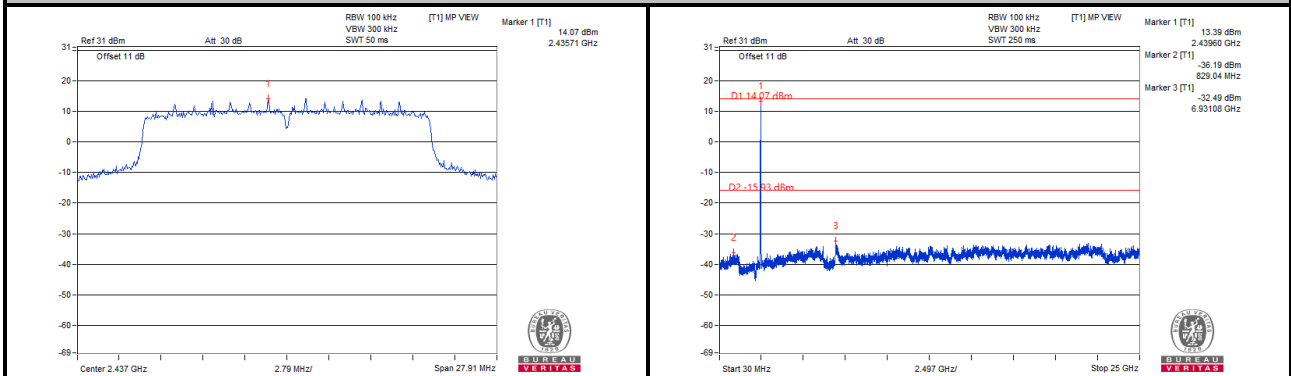
802.11ax (HE20)

CHAIN 0

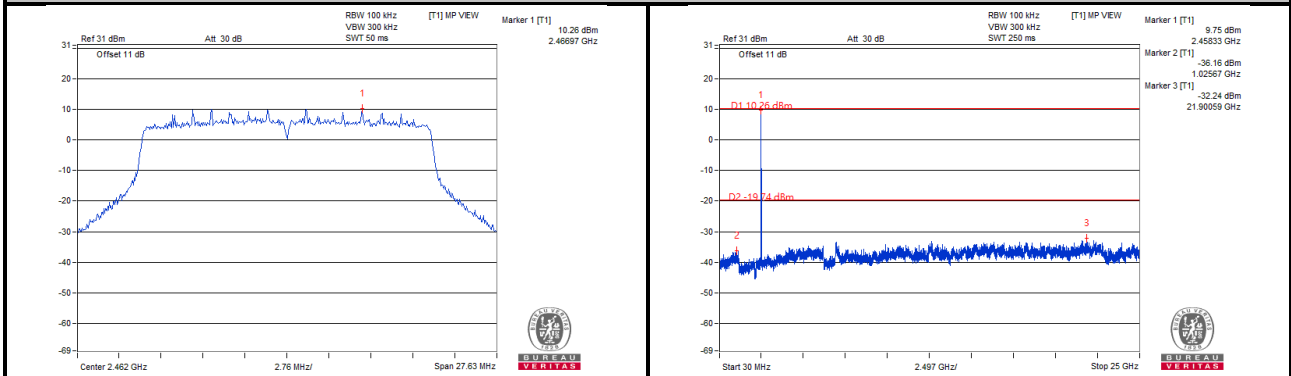
Ch 1



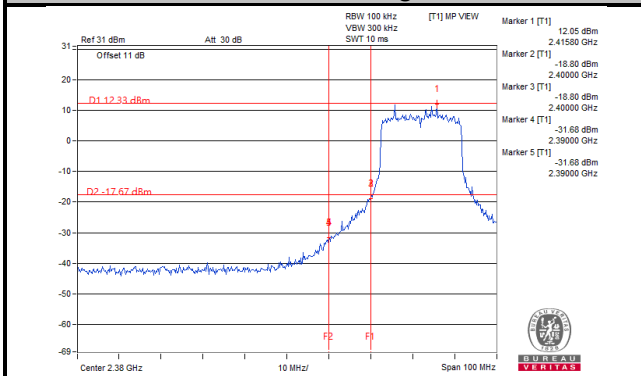
Ch 6



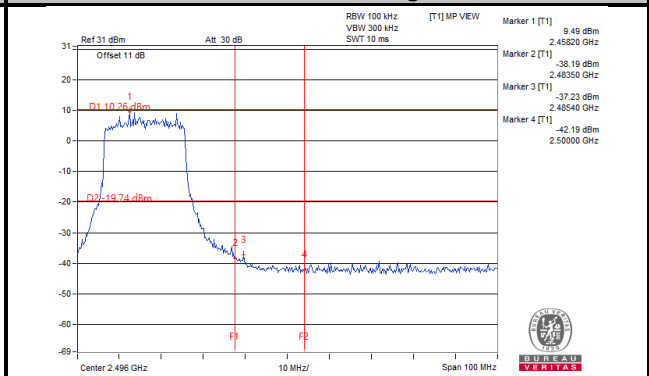
Ch 11



Ch 1 Band Edge

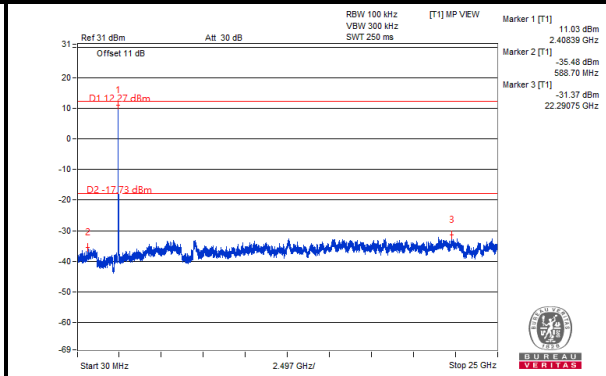
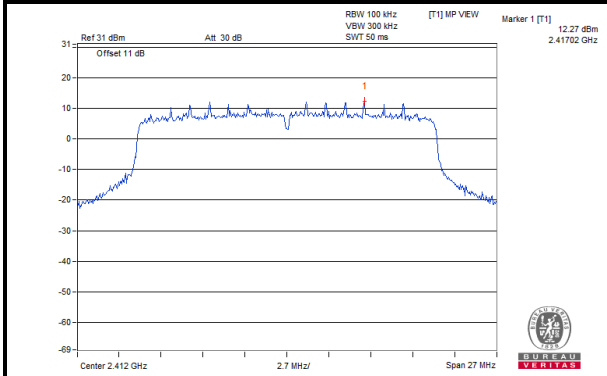


Ch 11 Band Edge

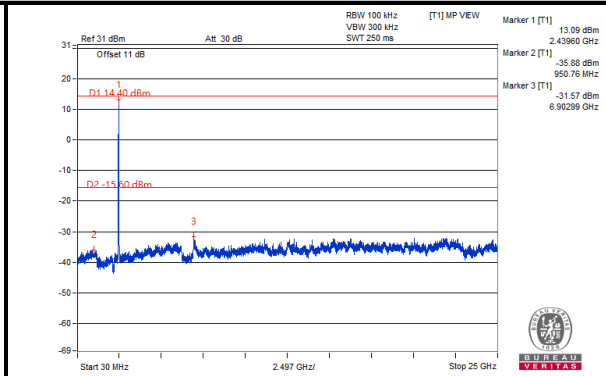
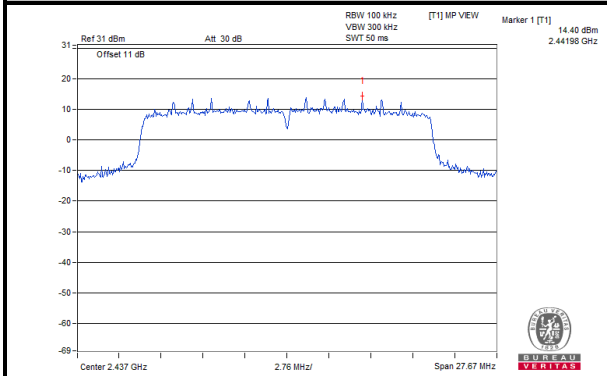


CHAIN 1

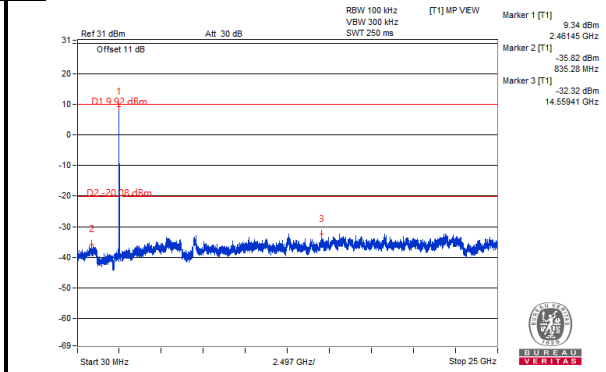
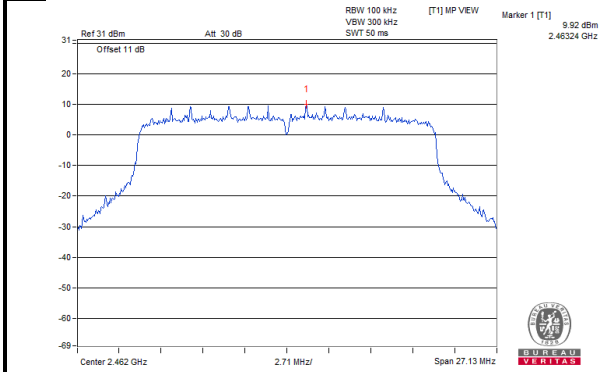
Ch 1



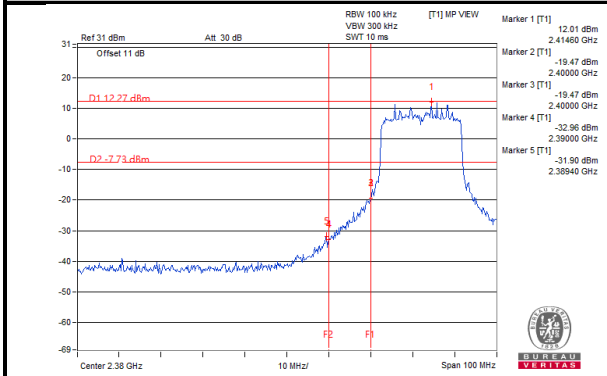
Ch 6



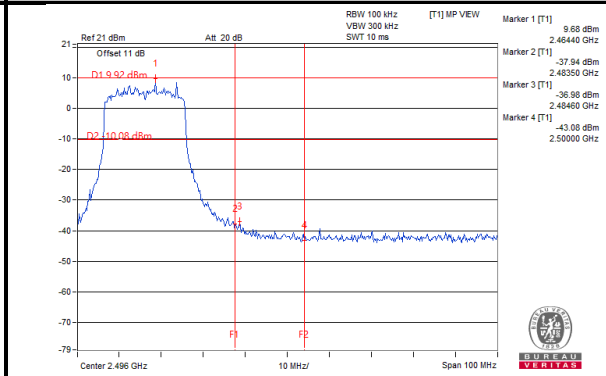
Ch 11



Ch 1 Band Edge



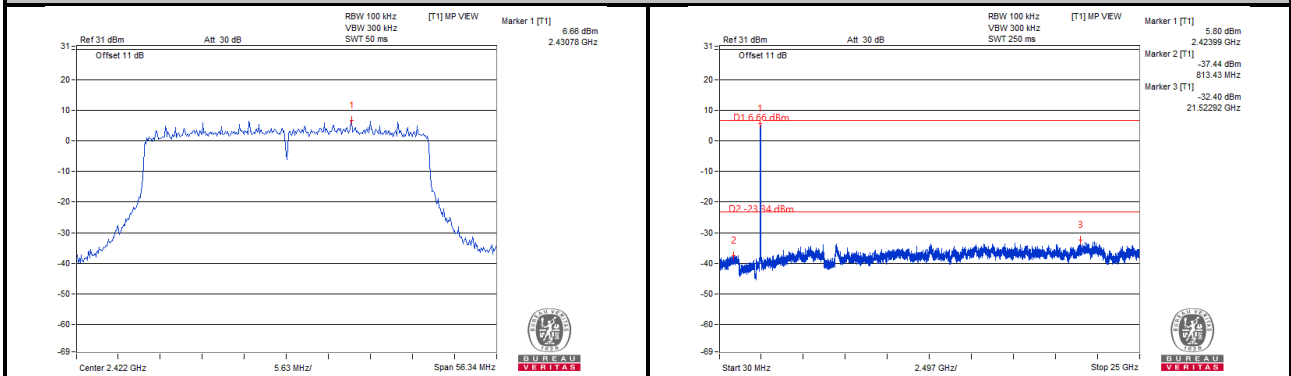
Ch 11 Band Edge



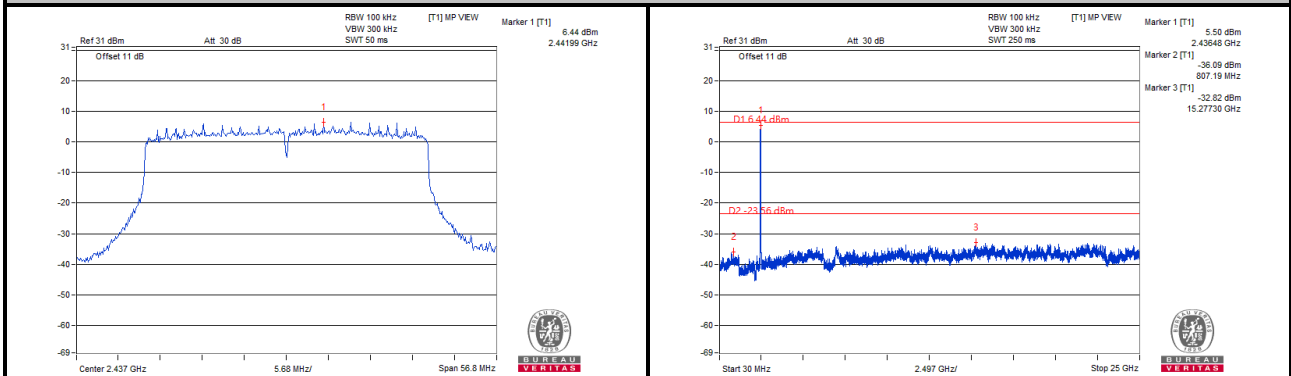
802.11ax (HE40)

CHAIN 0

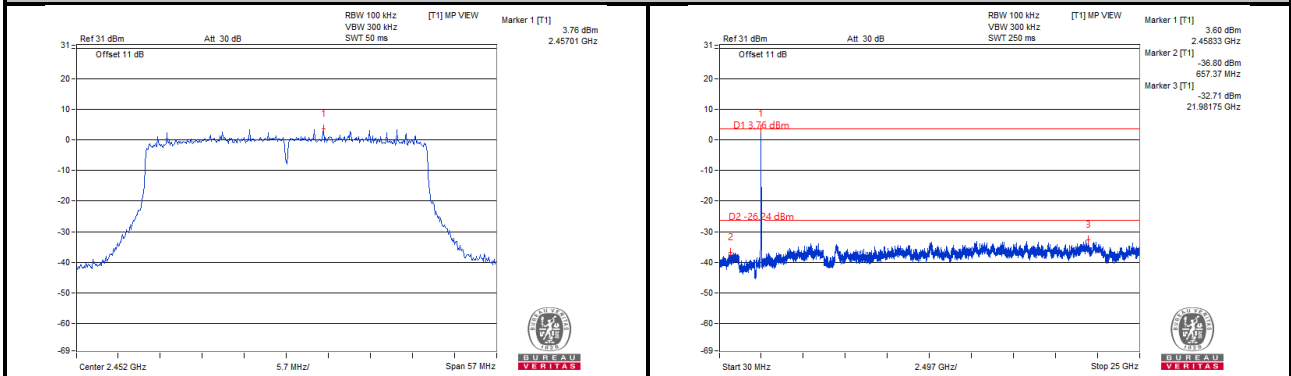
Ch 3



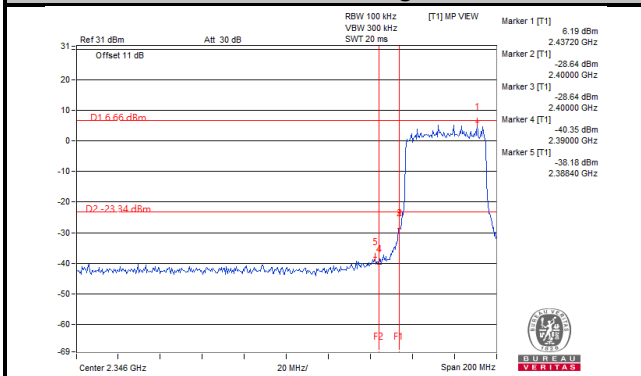
Ch 6



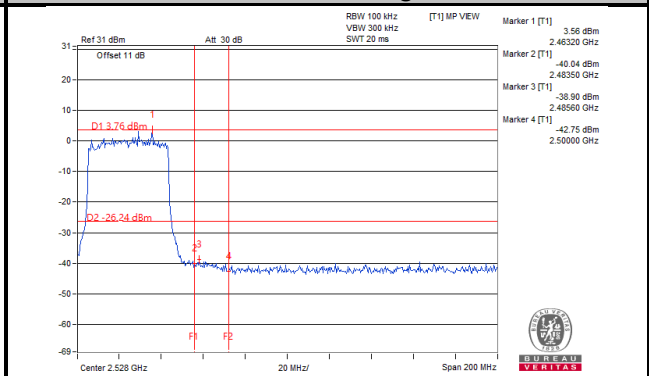
Ch 9



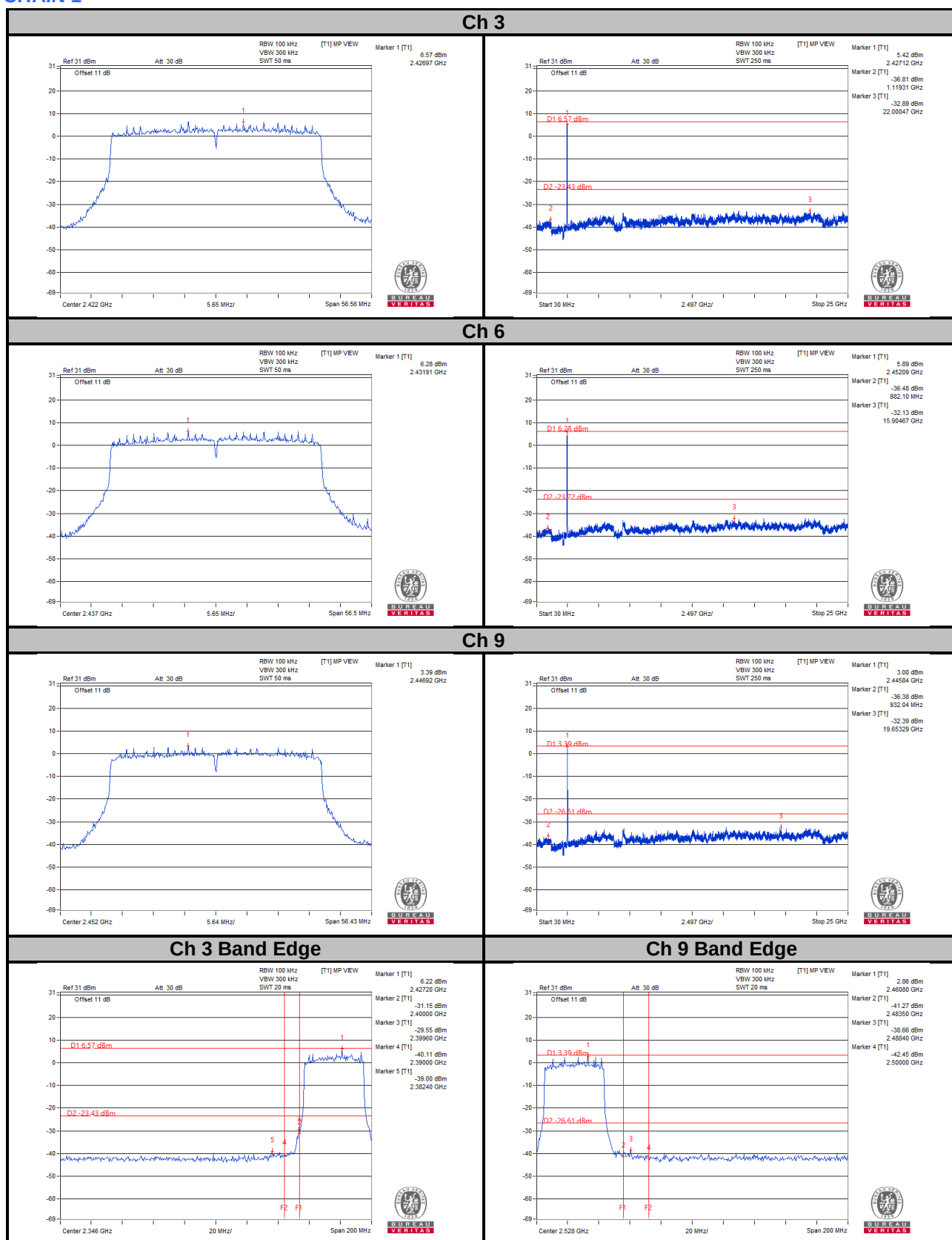
Ch 3 Band Edge



Ch 9 Band Edge



CHAIN 1



4.8 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 6 dB 頻寬之要求

5.1 適用標準

請見本報告 3.1 節第(5)項的規定。

5.2 量測方法

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

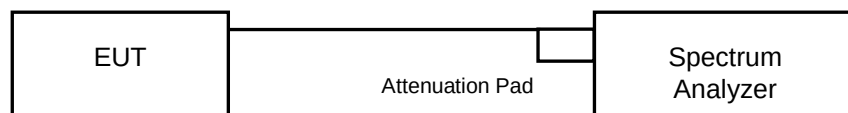
5.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Spectrum Analyzer R&S	FSU43	101261	Apr. 16, 2020	Apr. 15, 2021

Note:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 207 Hz, 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 $k=2$.

5.4 測試配置



5.5 量測結果

操作模式	發射	測試日期	109 年 09 月 25 日
量測場地溫度	25 °C	量測場地濕度	60 % RH
測試者	曾健瑋		

802.11b

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	10.02	8.07	0.5	Pass
6	2437	9.54	10.09	0.5	Pass
11	2462	8.59	8.03	0.5	Pass

802.11g

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	15.81	15.96	0.5	Pass
6	2437	15.81	16.08	0.5	Pass
11	2462	15.70	16.07	0.5	Pass

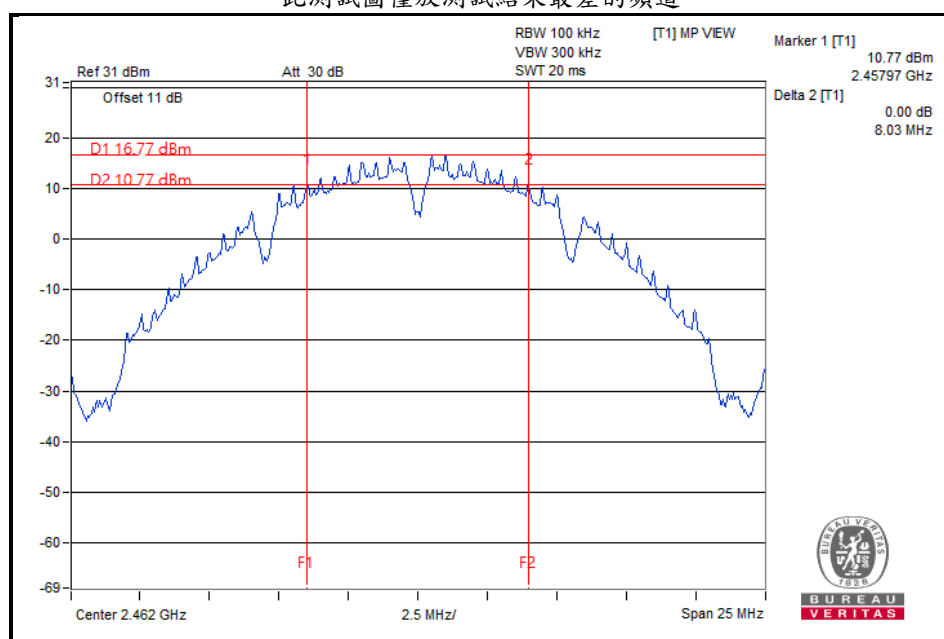
802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	18.48	18.00	0.5	Pass
6	2437	18.61	18.45	0.5	Pass
11	2462	18.42	18.09	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	37.56	37.71	0.5	Pass
6	2437	37.87	37.67	0.5	Pass
9	2452	38.00	37.62	0.5	Pass

**此測試圖僅放測試結果最差的頻道。



5.6 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。

6 峰值傳導輸出功率之量測

6.1 適用標準

請見本報告 3.1 節第(4)及(6)項的規定。

6.2 量測方法

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

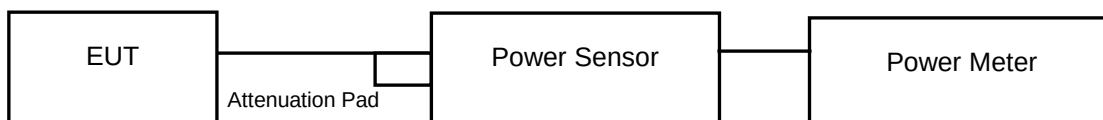
6.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Power Meter Anritsu	ML2495A	1232002	Dec. 10, 2019	Dec. 09, 2020
Power Sensor Anritsu	MA2411B	1207325	Dec. 10, 2019	Dec. 09, 2020

Note:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 1.393 dB, 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	109 年 09 月 25 日
量測場地溫度	25 °C	量測場地濕度	60 % RH
測試者	曾健瑋		

CDD Mode

802.11b

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	24.54	23.86	527.667	27.22	30	Pass
6	2437	26.27	26.10	831.023	29.20	30	Pass
11	2462	23.85	23.79	481.993	26.83	30	Pass

802.11g

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	23.38	23.20	426.701	26.30	30	Pass
6	2437	24.38	24.12	532.383	27.26	30	Pass
11	2462	21.65	21.61	291.095	24.64	30	Pass

802.11n (HT20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	23.00	22.59	381.078	25.81	30	Pass
6	2437	24.31	23.97	519.233	27.15	30	Pass
11	2462	20.30	20.11	209.717	23.22	30	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	20.23	20.00	205.439	23.13	30	Pass
6	2437	20.31	20.21	212.353	23.27	30	Pass
9	2452	17.14	16.96	101.42	20.06	30	Pass

802.11n (VHT20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	22.97	22.56	378.454	25.78	30	Pass
6	2437	24.28	23.94	515.659	27.12	30	Pass
11	2462	20.27	20.06	207.805	23.18	30	Pass

802.11n (VHT40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	20.20	19.97	204.024	23.10	30	Pass
6	2437	20.27	20.18	210.646	23.24	30	Pass
9	2452	17.11	16.93	100.722	20.03	30	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	23.04	22.63	384.604	25.85	30	Pass
6	2437	24.33	24.01	522.787	27.18	30	Pass
11	2462	20.34	20.16	211.896	23.26	30	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	20.27	20.02	206.876	23.16	30	Pass
6	2437	20.34	20.25	214.069	23.31	30	Pass
9	2452	17.16	16.97	101.773	20.08	30	Pass

Beamforming Mode

802.11n (HT20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	19.99	19.58	190.552	22.80	29.84	Pass
6	2437	21.30	20.96	259.635	24.14	29.84	Pass
11	2462	17.29	17.10	104.866	20.21	29.84	Pass

Note: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 > 6$ dBi, so the power density limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.

802.11n (HT40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	17.22	16.99	102.726	20.12	29.84	Pass
6	2437	17.30	17.20	106.184	20.26	29.84	Pass
9	2452	14.13	13.95	50.713	17.05	29.84	Pass

Note: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 > 6$ dBi, so the power density limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.

802.11n (VHT20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	19.96	19.55	189.24	22.77	29.84	Pass
6	2437	21.27	20.93	257.847	24.11	29.84	Pass
11	2462	17.26	17.05	103.91	20.17	29.84	Pass

Note: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 > 6$ dBi, so the power density limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.

802.11n (VHT40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	17.19	16.96	102.019	20.09	29.84	Pass
6	2437	17.26	17.17	105.33	20.23	29.84	Pass
9	2452	14.10	13.92	50.364	17.02	29.84	Pass

Note: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 > 6$ dBi, so the power density limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.

802.11ax (HE20)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	20.04	19.63	192.759	22.85	29.84	Pass
6	2437	21.33	21.01	262.014	24.18	29.84	Pass
11	2462	17.34	17.16	106.2	20.26	29.84	Pass

Note: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 > 6$ dBi, so the power density limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.

802.11ax (HE40)

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	17.27	17.02	103.684	20.16	29.84	Pass
6	2437	17.34	17.25	107.289	20.31	29.84	Pass
9	2452	14.16	13.97	51.007	17.08	29.84	Pass

Note: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 > 6$ dBi, so the power density limit shall be reduced to $30 - (6.16 - 6) = 29.84$ dBm.

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 功率頻譜密度之量測

7.1 適用標準

請見本報告 3.1 節第(7)項的規定。

7.2 量測方法

- 將待測物之天線埠經由適當之衰減直接連至測試儀器。
- 設定解析頻寬為 3 kHz，視訊頻寬為 10 kHz，掃描時間為 auto
- 掃描頻寬設於足夠觀察發射機所產生的主頻信號，並找到最大的峰值準位。

7.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Spectrum Analyzer R&S	FSU43	101261	Apr. 16, 2020	Apr. 15, 2021

Note:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 207 Hz, 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.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	109 年 09 月 25 日
量測場地溫度	25 °C	量測場地濕度	60 % RH
測試者	曾健瑋		

802.11b

TX Chain	Channel	Freq. (MHz)	PSD (dBm/3 kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD (dBm/3 kHz)	Limit (dBm/3 kHz)	Pass / Fail
0	1	2412	-9.95	3.01	2.5	-4.44	7.84	Pass
	6	2437	-11.69	3.01	2.5	-6.18	7.84	Pass
	11	2462	-12.87	3.01	2.5	-7.36	7.84	Pass
1	1	2412	-12.75	3.01	2.5	-7.24	7.84	Pass
	6	2437	-11.54	3.01	2.5	-6.03	7.84	Pass
	11	2462	-13.42	3.01	2.5	-7.91	7.84	Pass

NOTE:

- Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $8-(6.16-6) = 7.84 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

802.11g

TX Chain	Channel	Freq. (MHz)	PSD (dBm/3 kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD (dBm/3 kHz)	Limit (dBm/3 kHz)	Pass / Fail
0	1	2412	-12.58	3.01	0.31	-9.26	7.84	Pass
	6	2437	-12.1	3.01	0.31	-8.78	7.84	Pass
	11	2462	-14.84	3.01	0.31	-11.52	7.84	Pass
1	1	2412	-13.3	3.01	0.31	-9.98	7.84	Pass
	6	2437	-11.94	3.01	0.31	-8.62	7.84	Pass
	11	2462	-14.55	3.01	0.31	-11.23	7.84	Pass

NOTE:

- Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $8-(6.16-6) = 7.84 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

802.11ax (HE20)

TX Chain	Channel	Freq. (MHz)	PSD (dBm/3 kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD (dBm/3 kHz)	Limit (dBm/3 kHz)	Pass / Fail
0	1	2412	-15.72	3.01	0.22	-12.49	7.84	Pass
	6	2437	-14.06	3.01	0.22	-10.83	7.84	Pass
	11	2462	-17.93	3.01	0.22	-14.7	7.84	Pass
1	1	2412	-15.7	3.01	0.22	-12.47	7.84	Pass
	6	2437	-14.5	3.01	0.22	-11.27	7.84	Pass
	11	2462	-18.14	3.01	0.22	-14.91	7.84	Pass

NOTE:

- Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $8 - (6.16 - 6) = 7.84 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

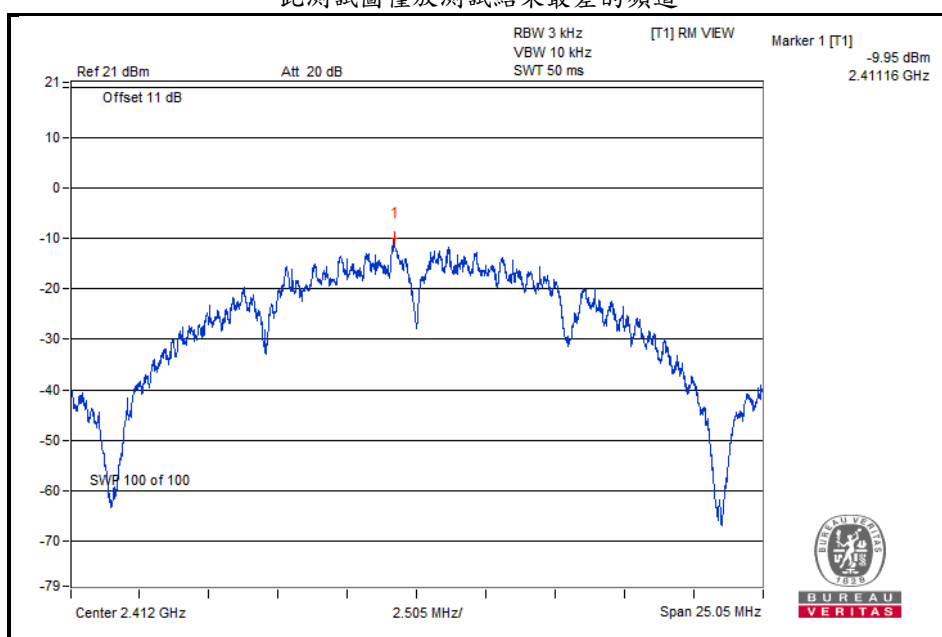
802.11ax (HE40)

TX Chain	Channel	Freq. (MHz)	PSD (dBm/3 kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD (dBm/3 kHz)	Limit (dBm/3 kHz)	Pass / Fail
0	3	2422	-20.57	3.01	0.34	-17.22	7.84	Pass
	6	2437	-21.23	3.01	0.34	-17.88	7.84	Pass
	9	2452	-23.85	3.01	0.34	-20.5	7.84	Pass
1	3	2422	-21.3	3.01	0.34	-17.95	7.84	Pass
	6	2437	-21.45	3.01	0.34	-18.1	7.84	Pass
	9	2452	-24.31	3.01	0.34	-20.96	7.84	Pass

NOTE:

- Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $8 - (6.16 - 6) = 7.84 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



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。

U-NII 頻段測試紀錄結果

8 帶外發射之量測

8.1 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(2)的規定
☐ 5.25 GHz~5.35 GHz	請見本報告 3.1 節第(2)項(2)的規定
☐ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第(2)項(2)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第(2)項(3)的規定

8.2 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 1 GHz 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

發射諧波：

Peak 為 RBW = 1 MHz, VBW = 3 MHz ;

Average

802.11a 為 RBW = 1 MHz, VBW = 1 kHz

802.11ax (HE20) 為 RBW = 1 MHz, VBW = 1 kHz

802.11ax (HE40) 為 RBW = 1 MHz, VBW = 1 kHz

802.11ax (HE80) 為 RBW = 1 MHz, VBW = 1 kHz

接收諧波：

Below 1 GHz

Peak 為 RBW = 120 kHz, VBW = 360 kHz ; Quasi-Peak 為 RBW = 120 kHz, VBW = 120 kHz

Above 1 GHz:

Peak 為 RBW = 1 MHz, VBW = 3 MHz ; Average 為 RBW = 1 MHz, VBW = 3 MHz ; Detector: RMS ; Sweep time: Auto ; Trace count: trace average of at least 100 traces.

其它不必要之訊號

Peak 為 RBW = 120 kHz, VBW = 360 kHz ; Quasi-Peak 為 RBW = 120 kHz, VBW = 120 kHz

8.3 量測儀器

同 4.3 節

8.4 測試配置

同 0 節

8.5 場強度之計算

場強之計算公式如下：

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

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

*有效等向輻射功率限制值轉換場強值如下：

Applicable To			Limit	
789033 D02 General UNII Test Procedure New Rules v02r01			Field Strength at 3 m	
			PK: 74 (dBμV/m)	AV: 54 (dBμV/m)
操作頻帶	Applicable To		EIRP Limit	Equivalent Field Strength at 3 m
5150~5250 MHz	技術規範 5.7.4.1 節		PK: -27 (dBm/MHz)	PK: 68.2 (dBμV/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 (dBμV/m) ^{*1} PK: 105.2 (dBμV/m) ^{*2} PK: 110.8 (dBμV/m) ^{*3} PK: 122.2 (dBμV/m) ^{*4}
	☐	技術規範 5.7.4.4 節	適用 4.10.1.5 節帶外發射限制	
*1 beyond 75 MHz or more above of the band edge.				
*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.				
*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.				
*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.				

備註：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。

8.6 量測結果

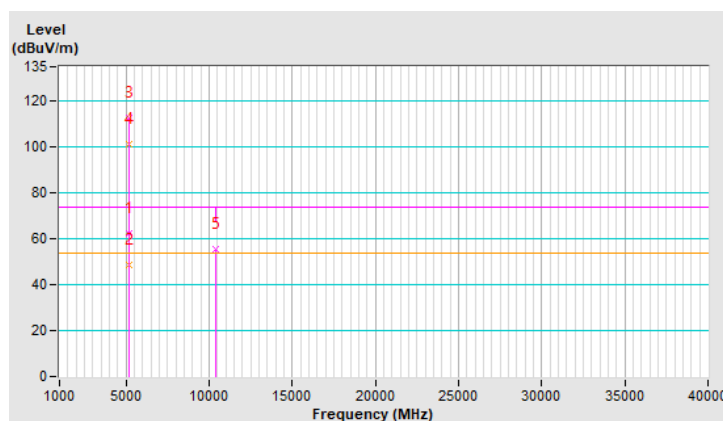
8.6.1 發射諧波

操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36 : 5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.5 PK	74.0	-11.5	2.85 H	144	60.4	2.1
2	5150.00	48.7 AV	54.0	-5.3	2.85 H	144	46.6	2.1
3	*5180.00	112.5 PK			2.85 H	144	76.2	36.3
4	*5180.00	101.5 AV			2.85 H	144	65.2	36.3
5	#10360.00	55.5 PK	68.2	-12.7	1.31 H	323	40.4	15.1
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#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 output power.

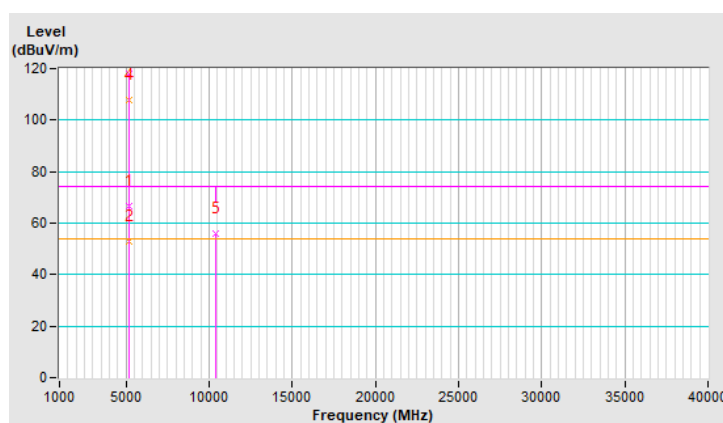


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.4 PK	74.0	-7.6	2.58 V	187	64.3	2.1
2	5150.00	53.0 AV	54.0	-1.0	2.58 V	187	50.9	2.1
3	*5180.00	118.0 PK			2.58 V	187	81.7	36.3
4	*5180.00	107.8 AV			2.58 V	187	71.5	36.3
5	#10360.00	55.8 PK	68.2	-12.4	2.56 V	240	40.7	15.1
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#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 output power.

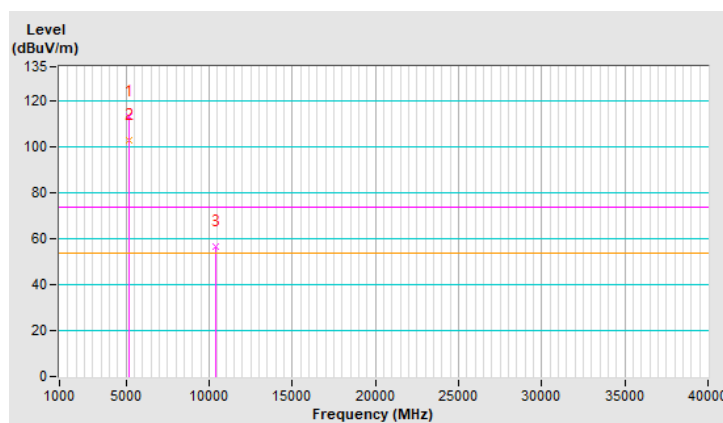


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	113.1 PK			2.82 H	137	76.9	36.2
2	*5200.00	103.0 AV			2.82 H	137	66.8	36.2
3	#10400.00	56.5 PK	74.0	-17.5	1.34 H	327	41.3	15.2
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#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 output power.

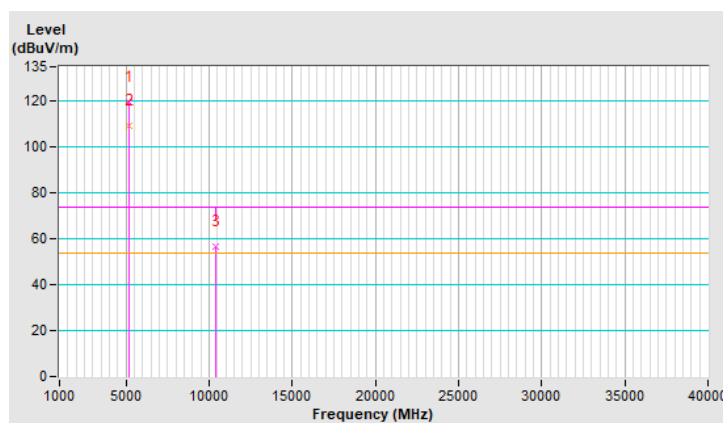


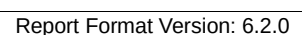
操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	119.5 PK			2.31 V	185	83.3	36.2
2	*5200.00	109.4 AV			2.31 V	185	73.2	36.2
3	#10400.00	56.9 PK	68.2	-11.3	2.54 V	238	41.7	15.2
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#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 output power.



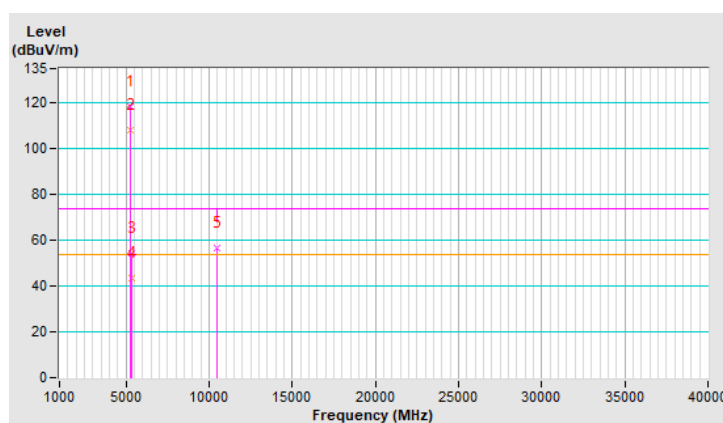


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	118.4 PK			2.37 V	185	82.3	36.1
2	*5240.00	108.3 AV			2.37 V	185	72.2	36.1
3	5350.00	54.3 PK	74.0	-19.7	2.37 V	185	52.3	2.0
4	5350.00	43.5 AV	54.0	-10.5	2.37 V	185	41.5	2.0
5	#10480.00	56.9 PK	68.2	-11.3	2.63 V	234	41.8	15.1
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#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 output power.

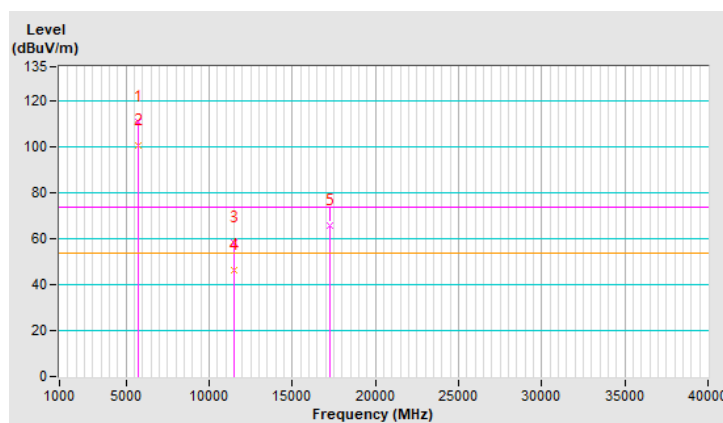


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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			3.50 H	276	73.8	37.3
2	*5745.00	100.7 AV			3.50 H	276	63.4	37.3
3	11490.00	58.3 PK	74.0	-15.7	1.43 H	176	42.8	15.5
4	11490.00	46.2 AV	54.0	-7.8	1.43 H	176	30.7	15.5
5	#17235.00	66.0 PK	68.2	-2.2	1.99 H	131	43.1	22.9
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

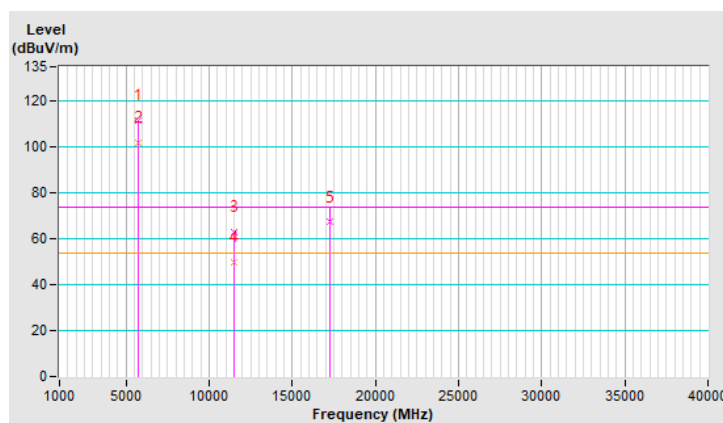


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.7 PK			2.51 V	91	74.4	37.3
2	*5745.00	101.9 AV			2.51 V	91	64.6	37.3
3	11490.00	62.7 PK	74.0	-11.3	1.25 V	78	47.2	15.5
4	11490.00	49.7 AV	54.0	-4.3	1.25 V	78	34.2	15.5
5	#17235.00	67.2 PK	68.2	-1.0	2.72 V	88	44.3	22.9
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

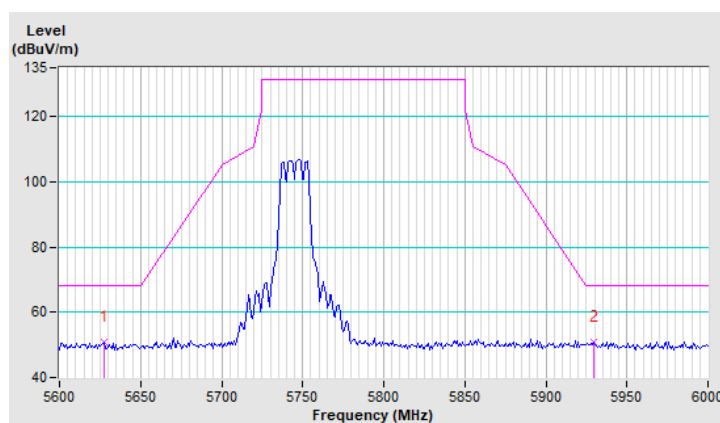


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	50.7 PK	68.2	-17.5	3.50 H	276	48.1	2.6
2	*5745.00	-	-	-	-	-	-	-
3	#5929.60	51.0 PK	68.2	-17.2	3.50 H	276	47.7	3.3
4	11490.00	-	-	-	-	-	-	-
5	#17235.00	-	-	-	-	-	-	-
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

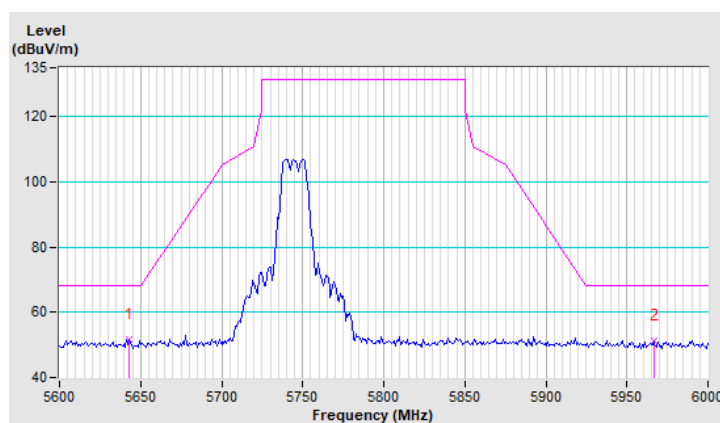


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.20	51.8 PK	68.2	-16.4	2.51 V	91	49.1	2.7
2	*5745.00	-	-	-	-	-	-	-
3	#5966.40	51.4 PK	68.2	-16.8	2.51 V	91	48.2	3.2
4	11490.00	-	-	-	-	-	-	-
5	#17235.00	-	-	-	-	-	-	-
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

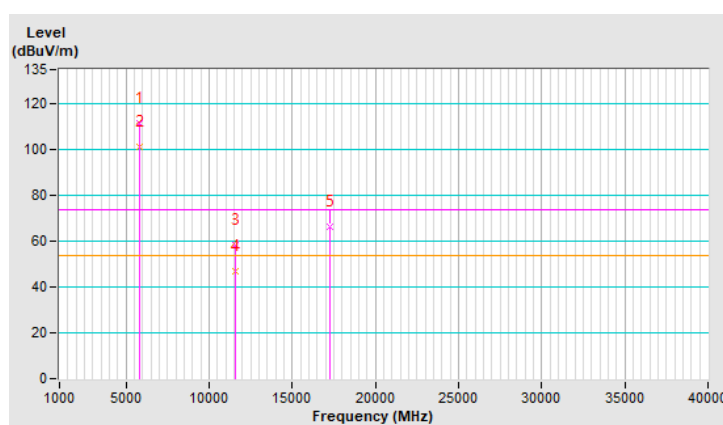


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.6 PK			3.10 H	282	74.1	37.5
2	*5785.00	101.5 AV			3.10 H	282	64.0	37.5
3	11570.00	58.4 PK	74.0	-15.6	1.49 H	181	43.2	15.2
4	11570.00	46.8 AV	54.0	-7.2	1.49 H	181	31.6	15.2
5	#17235.00	66.3 PK	68.2	-1.9	1.89 H	129	43.4	22.9
6	#17355.00	-	-	-	-	-	-	-
7	#23140.00	-	-	-	-	-	-	-
8	#28925.00	-	-	-	-	-	-	-
9	#34710.00	-	-	-	-	-	-	-

Remarks:

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

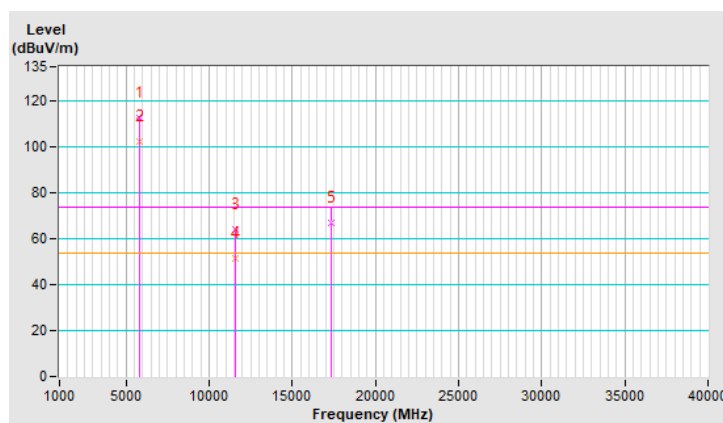


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	112.7 PK			3.72 V	86	75.2	37.5
2	*5785.00	102.5 AV			3.72 V	86	65.0	37.5
3	11570.00	64.1 PK	74.0	-9.9	1.18 V	90	48.9	15.2
4	11570.00	51.4 AV	54.0	-2.6	1.18 V	90	36.2	15.2
5	#17355.00	66.8 PK	68.2	-1.4	2.73 V	89	44.1	22.7
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#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 output power.

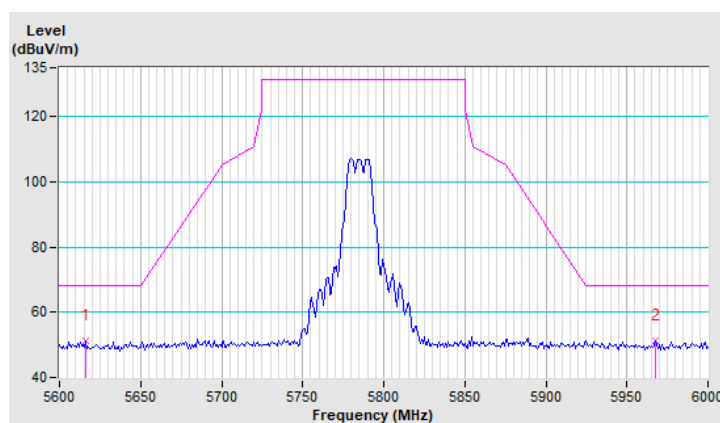


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.00	51.3 PK	68.2	-16.9	3.10 H	282	48.7	2.6
2	*5785.00	-	-	-	-	-	-	-
3	#5968.00	51.3 PK	68.2	-16.9	3.10 H	282	48.1	3.2
4	11570.00	-	-	-	-	-	-	-
5	#17355.00	-	-	-	-	-	-	-
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#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 output power.

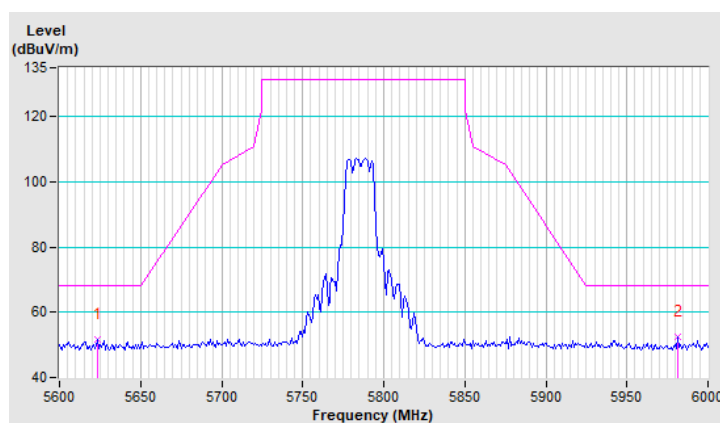


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5623.20	51.7 PK	68.2	-16.5	3.72 V	86	49.1	2.6
2	*5785.00	-	-	-	-	-	-	-
3	#5981.60	52.5 PK	68.2	-15.7	3.72 V	86	49.2	3.3
4	11570.00	-	-	-	-	-	-	-
5	#17355.00	-	-	-	-	-	-	-
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#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 output power.

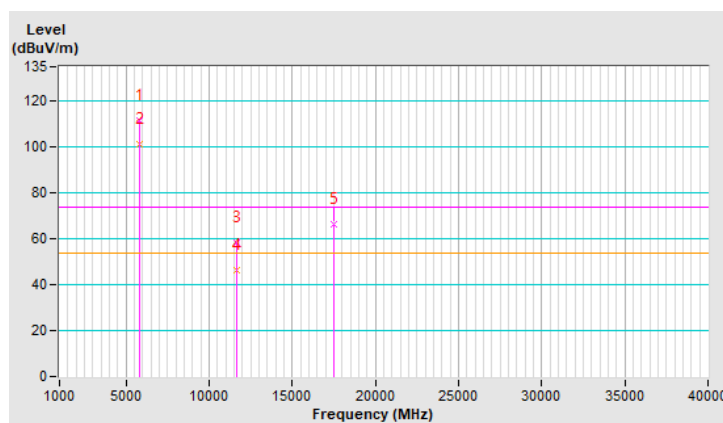


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.3 PK			2.64 H	281	73.9	37.4
2	*5825.00	101.2 AV			2.64 H	281	63.8	37.4
3	11650.00	58.4 PK	74.0	-15.6	1.51 H	177	43.2	15.2
4	11650.00	46.3 AV	54.0	-7.7	1.51 H	177	31.1	15.2
5	#17475.00	66.3 PK	68.2	-1.9	1.89 H	122	43.0	23.3
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

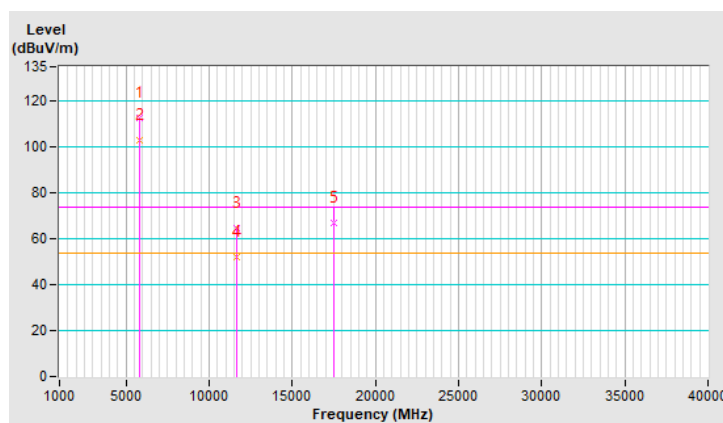


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	112.8 PK			2.53 V	93	75.4	37.4
2	*5825.00	102.9 AV			2.53 V	93	65.5	37.4
3	11650.00	64.9 PK	74.0	-9.1	1.04 V	75	49.7	15.2
4	11650.00	52.0 AV	54.0	-2.0	1.04 V	75	36.8	15.2
5	#17475.00	66.7 PK	68.2	-1.5	2.53 V	88	43.4	23.3
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

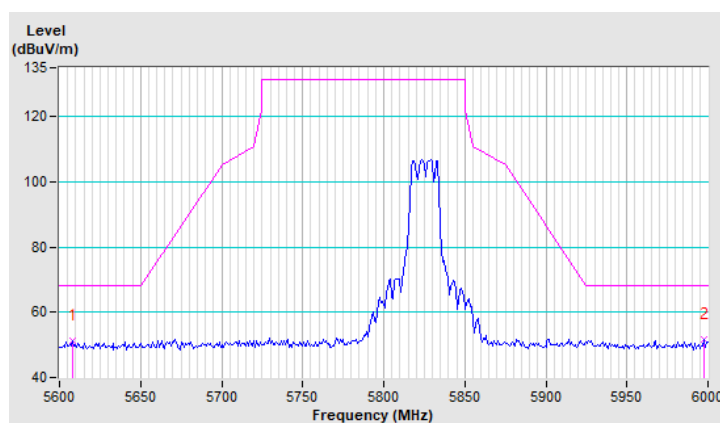


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5608.00	51.4 PK	68.2	-16.8	2.64 H	281	48.8	2.6
2	*5825.00	-	-	-	-	-	-	-
3	#5997.60	51.5 PK	68.2	-16.7	2.64 H	281	48.2	3.3
4	11650.00	-	-	-	-	-	-	-
5	#17475.00	-	-	-	-	-	-	-
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

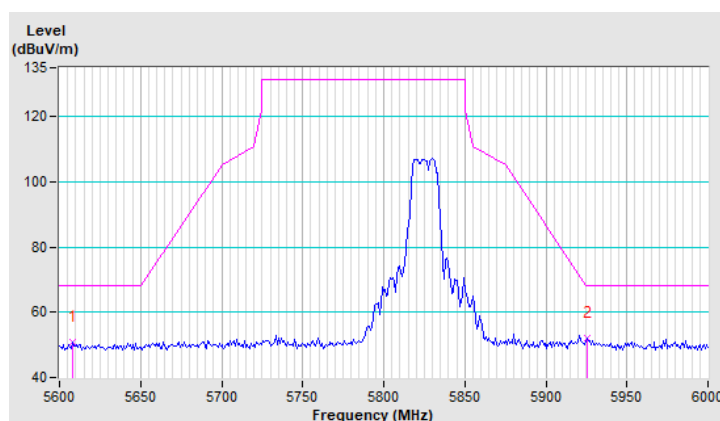


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5608.00	50.7 PK	68.2	-17.5	2.53 V	93	48.1	2.6
2	*5825.00	-	-	-	-	-	-	-
3	#5925.60	52.1 PK	68.2	-16.1	2.53 V	93	48.8	3.3
4	11650.00	-	-	-	-	-	-	-
5	#17475.00	-	-	-	-	-	-	-
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

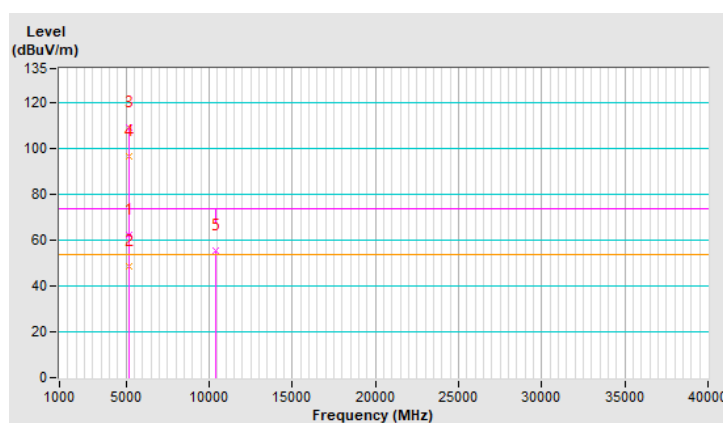


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	62.3 PK	74.0	-11.7	2.79 H	141	60.2	2.1
2	5150.00	48.5 AV	54.0	-5.5	2.79 H	141	46.4	2.1
3	*5180.00	109.1 PK			2.79 H	141	72.8	36.3
4	*5180.00	96.4 AV			2.79 H	141	60.1	36.3
5	#10360.00	55.7 PK	68.2	-12.5	1.24 H	326	40.6	15.1
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#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 output power.

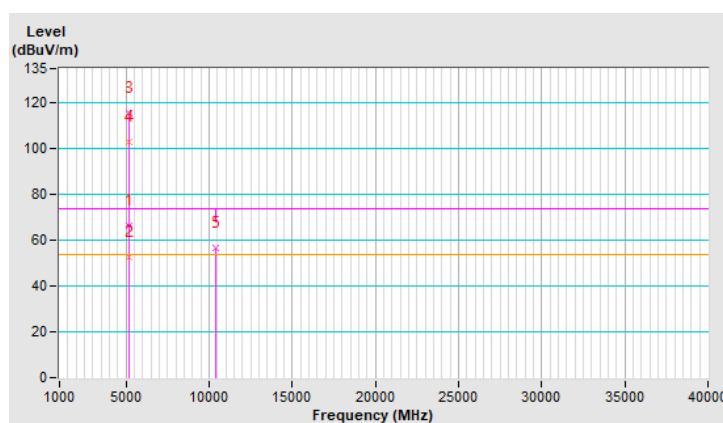


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.4 PK	74.0	-7.6	2.44 V	185	64.3	2.1
2	5150.00	52.7 AV	54.0	-1.3	2.44 V	185	50.6	2.1
3	*5180.00	115.5 PK			2.44 V	185	79.2	36.3
4	*5180.00	102.8 AV			2.44 V	185	66.5	36.3
5	#10360.00	56.4 PK	68.2	-11.8	2.67 V	233	41.3	15.1
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#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 output power.

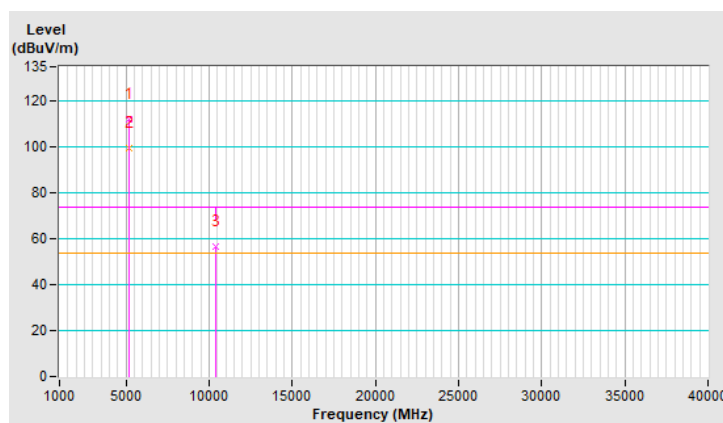


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	112.3 PK			2.78 H	153	76.1	36.2
2	*5200.00	99.5 AV			2.78 H	153	63.3	36.2
3	#10400.00	56.5 PK	68.2	-11.7	1.36 H	324	41.3	15.2
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#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 output power.

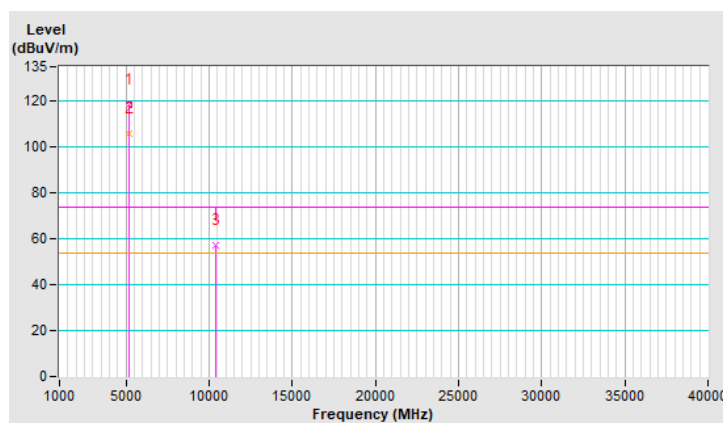


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	118.6 PK			2.41 V	186	82.4	36.2
2	*5200.00	105.8 AV			2.41 V	186	69.6	36.2
3	#10400.00	57.1 PK	68.2	-11.1	2.55 V	232	41.9	15.2
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#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 output power.

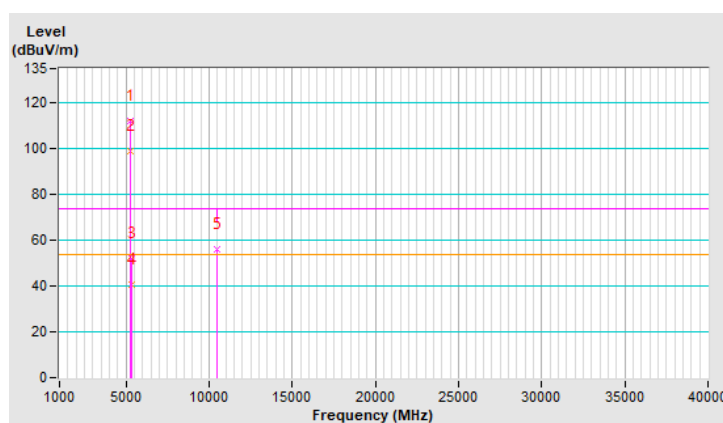


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 48 : 5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	112.2 PK			2.88 H	147	76.1	36.1
2	*5240.00	99.0 AV			2.88 H	147	62.9	36.1
3	5350.00	52.3 PK	74.0	-21.7	2.88 H	147	50.3	2.0
4	5350.00	40.4 AV	54.0	-13.6	2.88 H	147	38.4	2.0
5	#10480.00	56.2 PK	68.2	-12.0	1.25 H	311	41.1	15.1
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#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 output power.

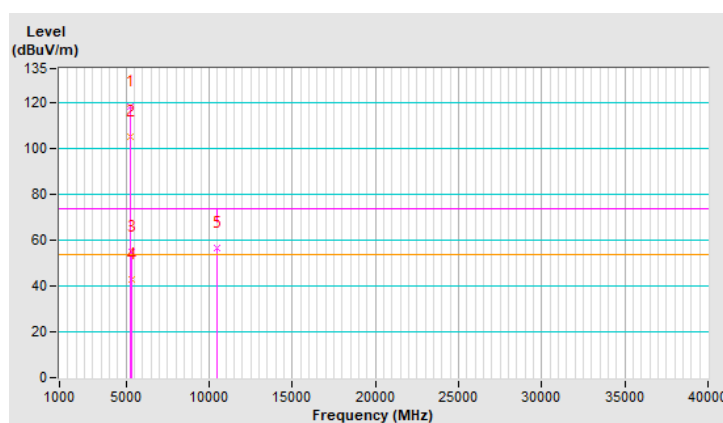


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	118.6 PK			2.37 V	183	82.5	36.1
2	*5240.00	105.3 AV			2.37 V	183	69.2	36.1
3	5350.00	54.9 PK	74.0	-19.1	2.37 V	183	52.9	2.0
4	5350.00	42.8 AV	54.0	-11.2	2.37 V	183	40.8	2.0
5	#10480.00	56.9 PK	68.2	-11.3	2.51 V	233	41.8	15.1
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#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 output power.

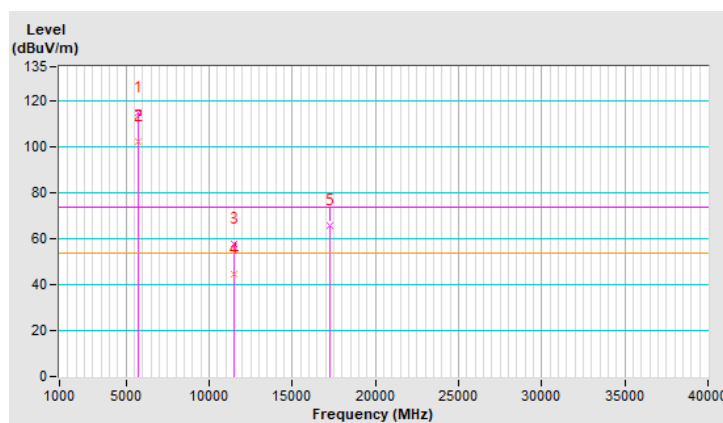


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	115.2 PK			3.00 H	281	77.9	37.3
2	*5745.00	102.6 AV			3.00 H	281	65.3	37.3
3	11490.00	57.8 PK	74.0	-16.2	1.77 H	178	42.3	15.5
4	11490.00	44.8 AV	54.0	-9.2	1.77 H	178	29.3	15.5
5	#17235.00	65.8 PK	68.2	-2.4	2.07 H	125	42.9	22.9
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

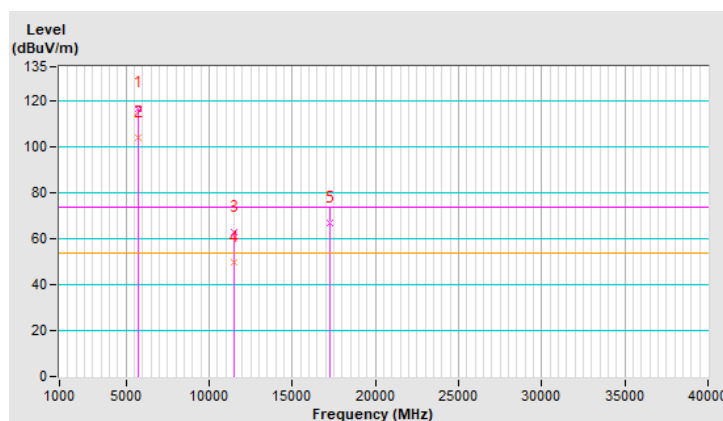


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	117.0 PK			2.40 V	95	79.7	37.3
2	*5745.00	104.0 AV			2.40 V	95	66.7	37.3
3	11490.00	62.7 PK	74.0	-11.3	1.07 V	76	47.2	15.5
4	11490.00	49.9 AV	54.0	-4.1	1.07 V	76	34.4	15.5
5	#17235.00	67.1 PK	68.2	-1.1	2.84 V	90	44.2	22.9
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

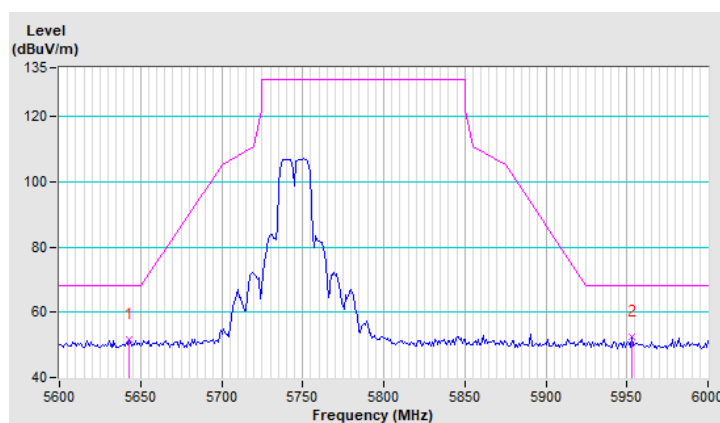


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5643.20	51.6 PK	68.2	-16.6	3.00 H	281	48.9	2.7
2	*5745.00	-	-	-	-	-	-	-
3	#5952.80	52.3 PK	68.2	-15.9	3.00 H	281	49.0	3.3
4	11490.00	-	-	-	-	-	-	-
5	#17235.00	-	-	-	-	-	-	-
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

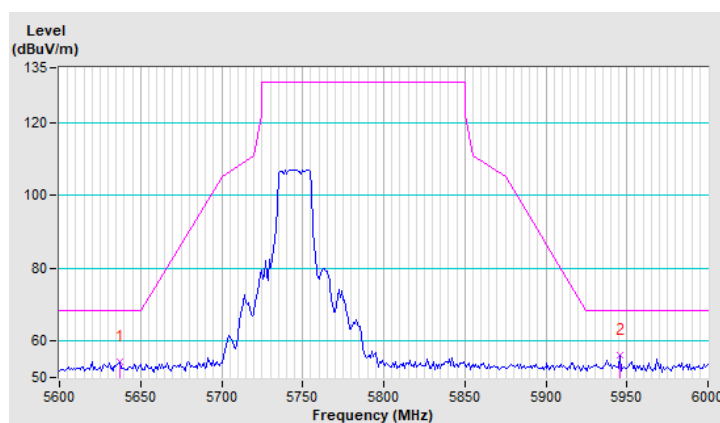


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	54.4 PK	68.2	-13.8	2.40 V	95	51.8	2.6
2	*5745.00	-	-	-	-	-	-	-
3	#5945.60	56.1 PK	68.2	-12.1	2.40 V	95	52.8	3.3
4	11490.00	-	-	-	-	-	-	-
5	#17235.00	-	-	-	-	-	-	-
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#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 output power.

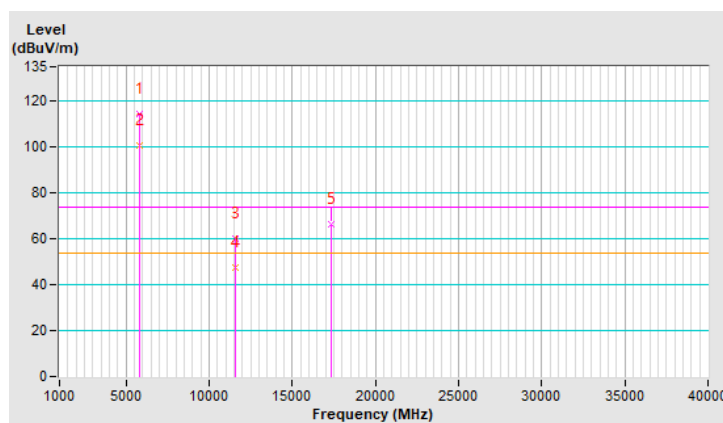


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	114.3 PK			2.68 H	279	76.8	37.5
2	*5785.00	100.6 AV			2.68 H	279	63.1	37.5
3	11570.00	60.1 PK	74.0	-13.9	1.07 H	312	44.9	15.2
4	11570.00	47.2 AV	54.0	-6.8	1.07 H	312	32.0	15.2
5	#17355.00	66.2 PK	68.2	-2.0	1.96 H	130	43.5	22.7
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#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 output power.

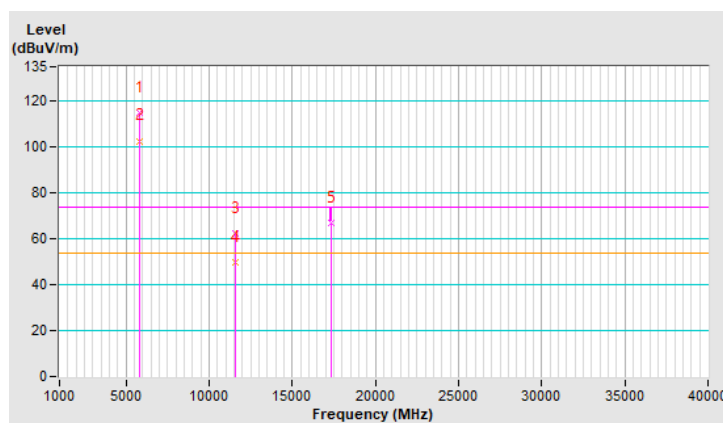


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	115.2 PK			2.26 V	101	77.7	37.5
2	*5785.00	102.7 AV			2.26 V	101	65.2	37.5
3	11570.00	62.5 PK	74.0	-11.5	2.70 V	90	47.3	15.2
4	11570.00	49.9 AV	54.0	-4.1	2.70 V	90	34.7	15.2
5	#17355.00	67.1 PK	68.2	-1.1	2.82 V	85	44.4	22.7
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#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 output power.

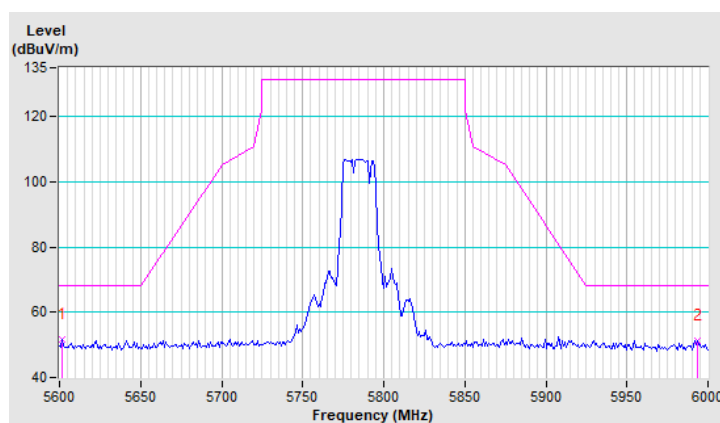


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5601.60	51.6 PK	68.2	-16.6	2.68 H	279	49.0	2.6
2	*5785.00	-	-	-	-	-	-	-
3	#5993.60	51.4 PK	68.2	-16.8	2.68 H	279	48.1	3.3
4	11570.00	-	-	-	-	-	-	-
5	#17355.00	-	-	-	-	-	-	-
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#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 output power.

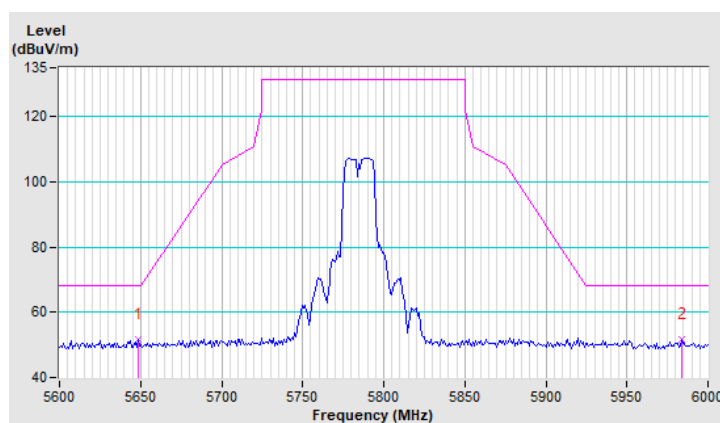


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	51.7 PK	68.2	-16.5	2.26 V	101	49.0	2.7
2	*5785.00	-	-	-	-	-	-	-
3	#5984.00	51.8 PK	68.2	-16.4	2.26 V	101	48.5	3.3
4	11570.00	-	-	-	-	-	-	-
5	#17355.00	-	-	-	-	-	-	-
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#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 output power.

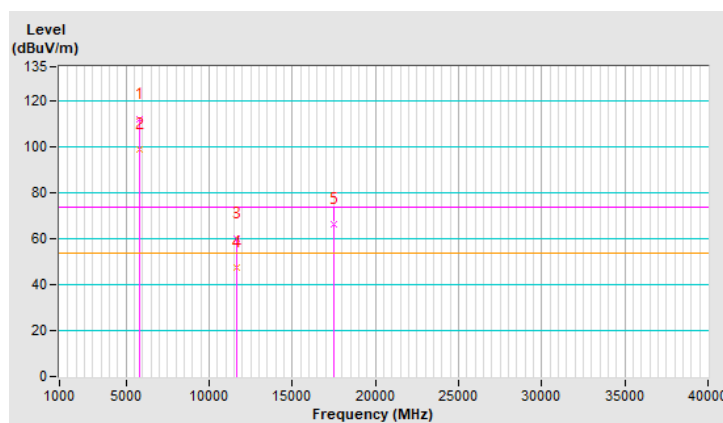


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	112.3 PK			2.80 H	281	74.9	37.4
2	*5825.00	99.1 AV			2.80 H	281	61.7	37.4
3	11650.00	60.0 PK	74.0	-14.0	1.62 H	308	44.8	15.2
4	11650.00	47.4 AV	54.0	-6.6	1.62 H	308	32.2	15.2
5	#17475.00	66.5 PK	68.2	-1.7	2.03 H	128	43.2	23.3
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

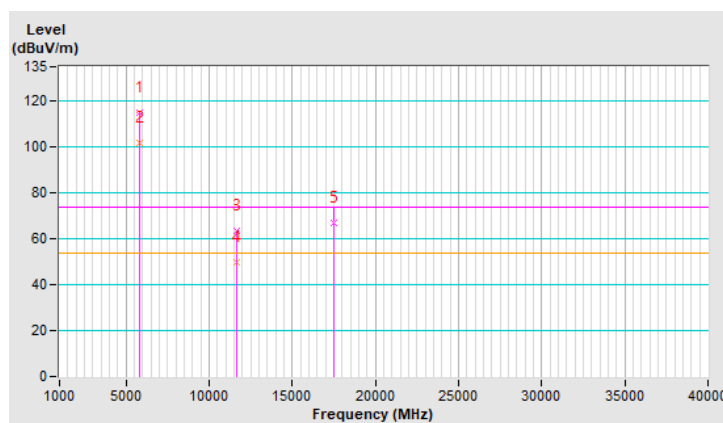


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	115.0 PK			2.43 V	98	77.6	37.4
2	*5825.00	101.7 AV			2.43 V	98	64.3	37.4
3	11650.00	63.6 PK	74.0	-10.4	2.82 V	88	48.4	15.2
4	11650.00	49.8 AV	54.0	-4.2	2.82 V	88	34.6	15.2
5	#17475.00	67.0 PK	68.2	-1.2	2.80 V	87	43.7	23.3
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

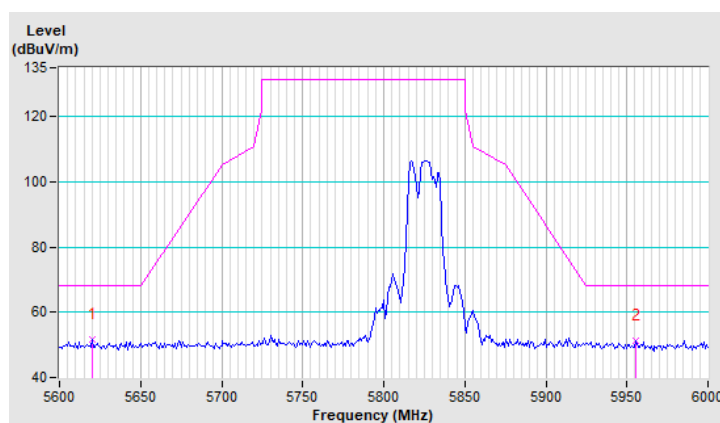


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5620.00	51.7 PK	68.2	-16.5	2.80 H	281	49.1	2.6
2	*5825.00	-	-	-	-	-	-	-
3	#5955.20	51.3 PK	68.2	-16.9	2.80 H	281	48.0	3.3
4	11650.00	-	-	-	-	-	-	-
5	#17475.00	-	-	-	-	-	-	-
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

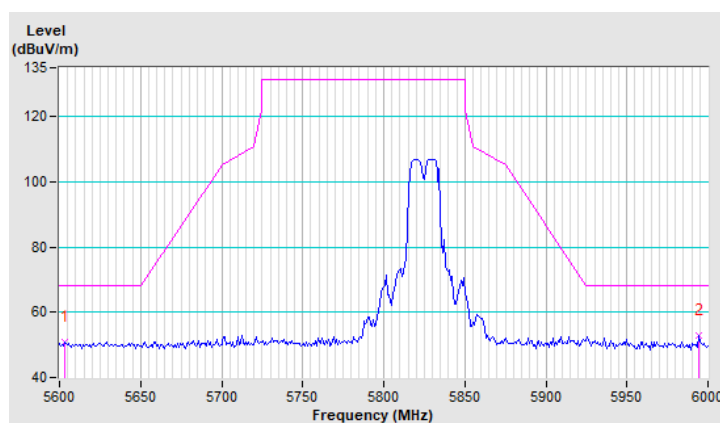


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5603.20	51.0 PK	68.2	-17.2	2.43 V	98	48.4	2.6
2	*5825.00	-	-	-	-	-	-	-
3	#5994.40	52.7 PK	68.2	-15.5	2.43 V	98	49.4	3.3
4	11650.00	-	-	-	-	-	-	-
5	#17475.00	-	-	-	-	-	-	-
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#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 output power.

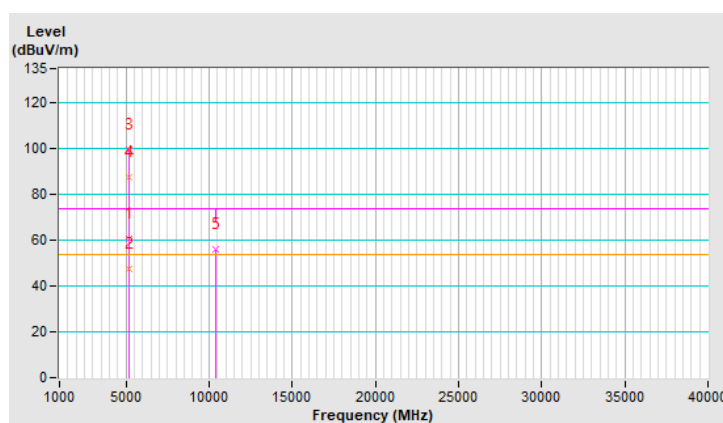


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	60.5 PK	74.0	-13.5	2.81 H	146	58.4	2.1
2	5150.00	47.5 AV	54.0	-6.5	2.81 H	146	45.4	2.1
3	*5190.00	99.7 PK			2.81 H	146	63.5	36.2
4	*5190.00	87.4 AV			2.81 H	146	51.2	36.2
5	#10380.00	56.1 PK	68.2	-12.1	1.26 H	321	40.9	15.2
6	15570.00	-	-	-	-	-	-	-
7	20760.00	-	-	-	-	-	-	-
8	#25950.00	-	-	-	-	-	-	-
9	#31140.00	-	-	-	-	-	-	-
10	#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 output power.

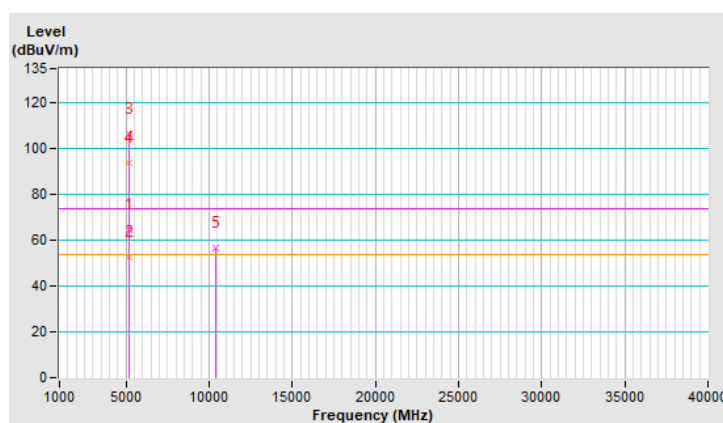


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.9 PK	74.0	-9.1	2.42 V	184	62.8	2.1
2	5150.00	52.7 AV	54.0	-1.3	2.42 V	184	50.6	2.1
3	*5190.00	106.6 PK			2.42 V	184	70.4	36.2
4	*5190.00	93.7 AV			2.42 V	184	57.5	36.2
5	#10380.00	56.8 PK	74.0	-17.2	2.53 V	248	41.6	15.2
6	15570.00	-	-	-	-	-	-	-
7	20760.00	-	-	-	-	-	-	-
8	#25950.00	-	-	-	-	-	-	-
9	#31140.00	-	-	-	-	-	-	-
10	#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 output power.

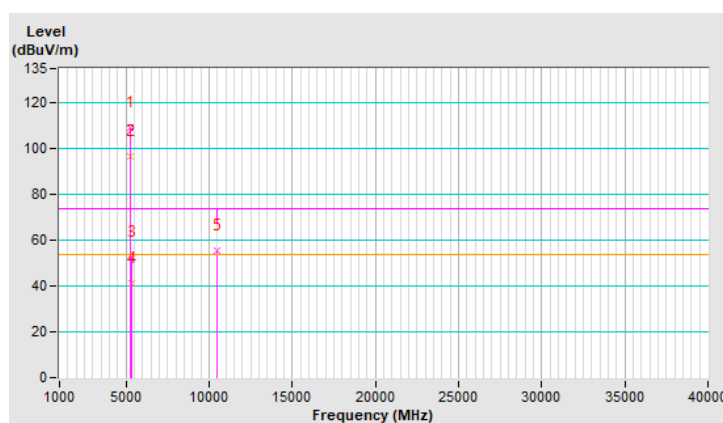


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	109.3 PK			2.76 H	134	73.1	36.2
2	*5230.00	96.4 AV			2.76 H	134	60.2	36.2
3	5350.00	52.7 PK	74.0	-21.3	2.76 H	134	50.7	2.0
4	5350.00	41.4 AV	54.0	-12.6	2.76 H	134	39.4	2.0
5	#10460.00	55.6 PK	68.2	-12.6	1.26 H	336	40.5	15.1
6	15690.00	-	-	-	-	-	-	-
7	20920.00	-	-	-	-	-	-	-
8	#26150.00	-	-	-	-	-	-	-
9	31380.00	-	-	-	-	-	-	-
10	#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 output power.

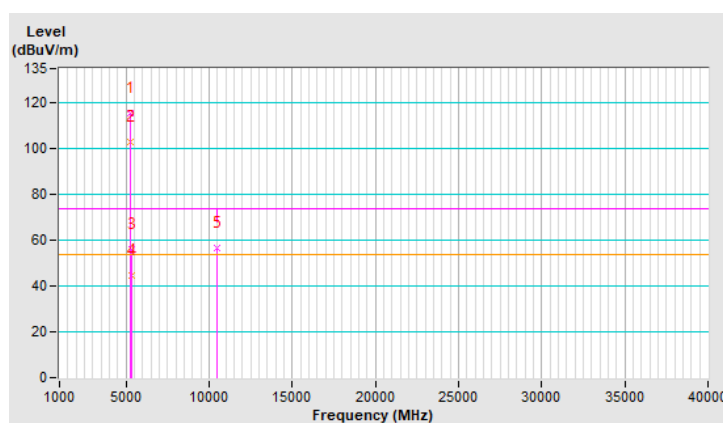


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	115.7 PK			2.53 V	186	79.5	36.2
2	*5230.00	102.7 AV			2.53 V	186	66.5	36.2
3	5350.00	55.9 PK	74.0	-18.1	2.53 V	186	53.9	2.0
4	5350.00	44.7 AV	54.0	-9.3	2.53 V	186	42.7	2.0
5	#10460.00	56.7 PK	68.2	-11.5	2.45 V	236	41.6	15.1
6	15690.00	-	-	-	-	-	-	-
7	20920.00	-	-	-	-	-	-	-
8	#26150.00	-	-	-	-	-	-	-
9	31380.00	-	-	-	-	-	-	-
10	#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 output power.

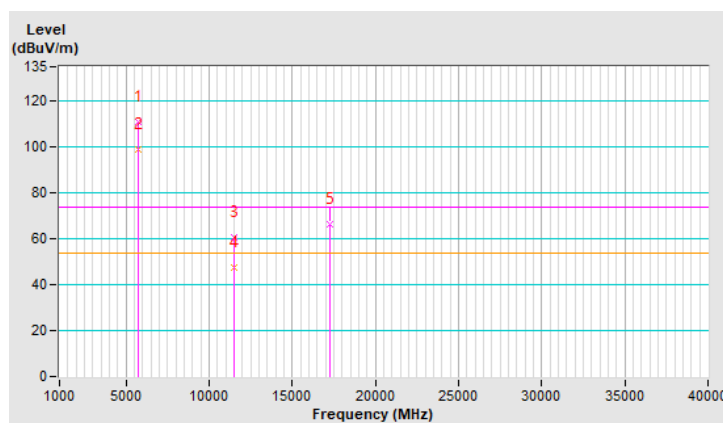


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	111.1 PK			3.33 H	278	73.8	37.3
2	*5755.00	99.2 AV			3.33 H	278	61.9	37.3
3	11510.00	60.4 PK	74.0	-13.6	1.57 H	312	45.1	15.3
4	11510.00	47.7 AV	54.0	-6.3	1.57 H	312	32.4	15.3
5	#17265.00	66.2 PK	68.2	-2.0	1.97 H	127	43.2	23.0
6	23020.00	-	-	-	-	-	-	-
7	#28775.00	-	-	-	-	-	-	-
8	#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 output power.

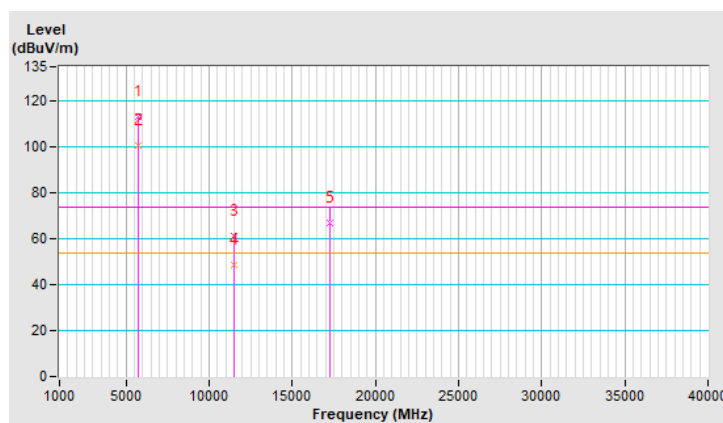


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	113.4 PK			2.27 V	98	76.1	37.3
2	*5755.00	100.6 AV			2.27 V	98	63.3	37.3
3	11510.00	61.2 PK	74.0	-12.8	1.08 V	85	45.9	15.3
4	11510.00	48.6 AV	54.0	-5.4	1.08 V	85	33.3	15.3
5	#17265.00	67.2 PK	68.2	-1.0	2.95 V	89	44.2	23.0
6	23020.00	-	-	-	-	-	-	-
7	#28775.00	-	-	-	-	-	-	-
8	#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 output power.

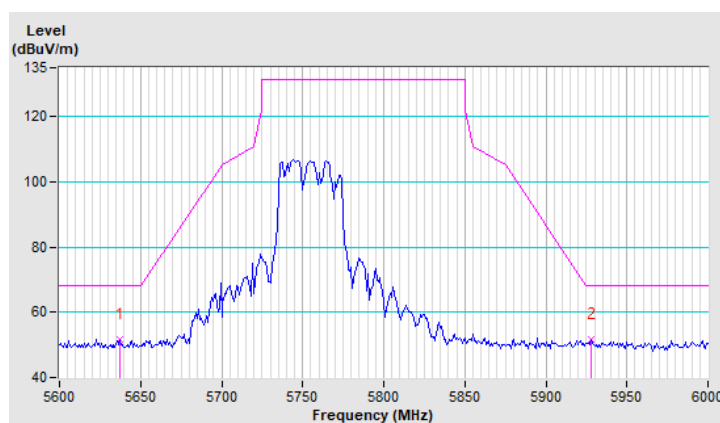


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	3.33 H	278	49.2	2.6
2	*5755.00	-	-	-	-	-	-	-
3	#5928.00	51.7 PK	68.2	-16.5	3.33 H	278	48.4	3.3
4	11510.00	-	-	-	-	-	-	-
5	#17265.00	-	-	-	-	-	-	-
6	23020.00	-	-	-	-	-	-	-
7	#28775.00	-	-	-	-	-	-	-
8	#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 output power.

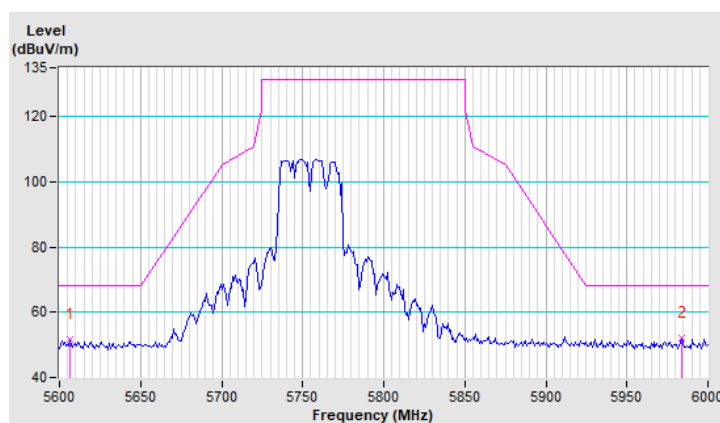


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5606.40	51.8 PK	68.2	-16.4	2.27 V	98	49.2	2.6
2	*5755.00	-	-	-	-	-	-	-
3	#5984.00	52.1 PK	68.2	-16.1	2.27 V	98	48.8	3.3
4	11510.00	-	-	-	-	-	-	-
5	#17265.00	-	-	-	-	-	-	-
6	23020.00	-	-	-	-	-	-	-
7	#28775.00	-	-	-	-	-	-	-
8	#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 output power.

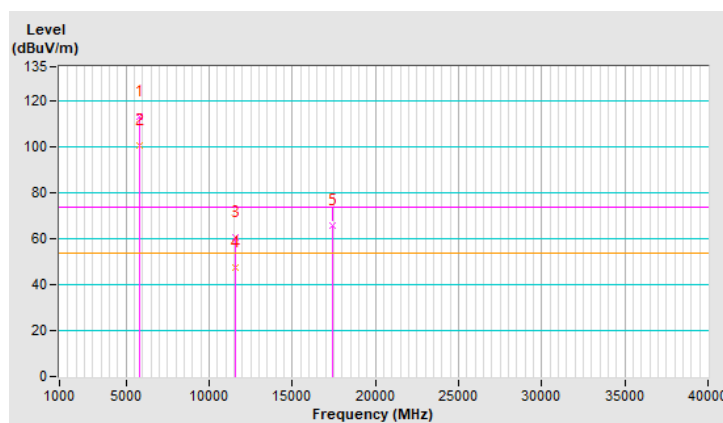


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	113.4 PK			3.11 H	280	75.9	37.5
2	*5795.00	100.7 AV			3.11 H	280	63.2	37.5
3	11590.00	60.6 PK	74.0	-13.4	1.59 H	302	45.5	15.1
4	11590.00	47.7 AV	54.0	-6.3	1.59 H	302	32.6	15.1
5	#17385.00	65.9 PK	68.2	-2.3	1.99 H	130	43.4	22.5
6	#23180.00	-	-	-	-	-	-	-
7	#28975.00	-	-	-	-	-	-	-
8	#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 output power.

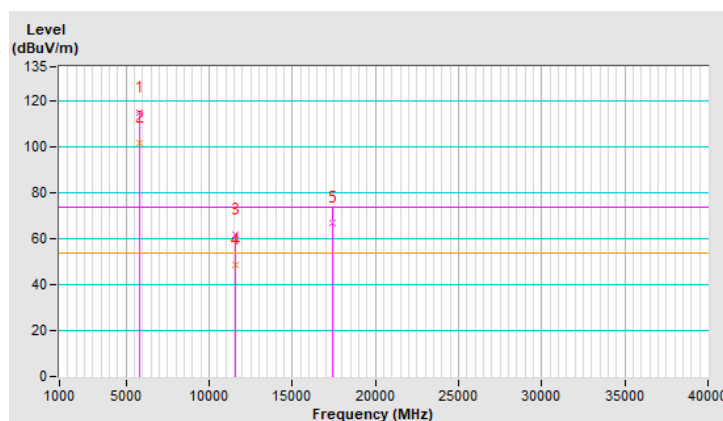


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	114.9 PK			2.26 V	97	77.4	37.5
2	*5795.00	101.7 AV			2.26 V	97	64.2	37.5
3	11590.00	61.9 PK	74.0	-12.1	2.63 V	93	46.8	15.1
4	11590.00	48.5 AV	54.0	-5.5	2.63 V	93	33.4	15.1
5	#17385.00	67.2 PK	68.2	-1.0	2.66 V	87	44.7	22.5
6	#23180.00	-	-	-	-	-	-	-
7	#28975.00	-	-	-	-	-	-	-
8	#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 output power.

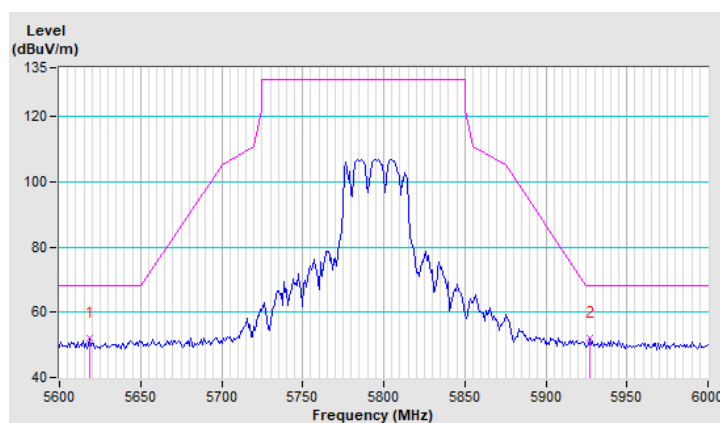


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5618.40	52.0 PK	68.2	-16.2	3.11 H	280	49.4	2.6
2	*5795.00	-	-	-	-	-	-	-
3	#5927.20	52.2 PK	68.2	-16.0	3.11 H	280	48.9	3.3
4	11590.00	-	-	-	-	-	-	-
5	#17385.00	-	-	-	-	-	-	-
6	#23180.00	-	-	-	-	-	-	-
7	#28975.00	-	-	-	-	-	-	-
8	#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 output power.

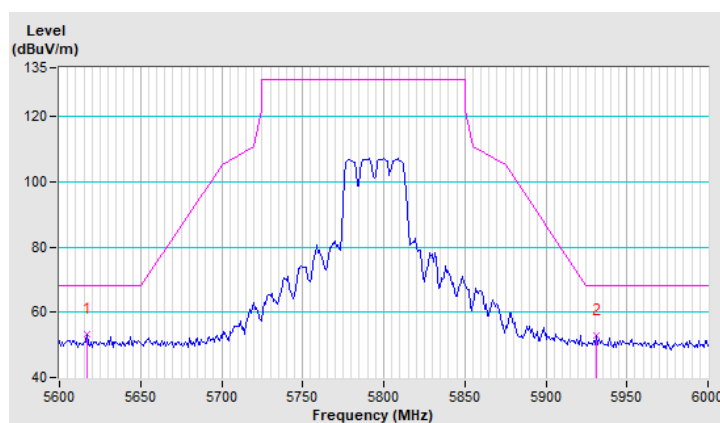


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5616.80	53.2 PK	68.2	-15.0	2.26 V	97	50.6	2.6
2	*5795.00	-	-	-	-	-	-	-
3	#5931.20	52.9 PK	68.2	-15.3	2.26 V	97	49.6	3.3
4	11590.00	-	-	-	-	-	-	-
5	#17385.00	-	-	-	-	-	-	-
6	#23180.00	-	-	-	-	-	-	-
7	#28975.00	-	-	-	-	-	-	-
8	#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 output power.

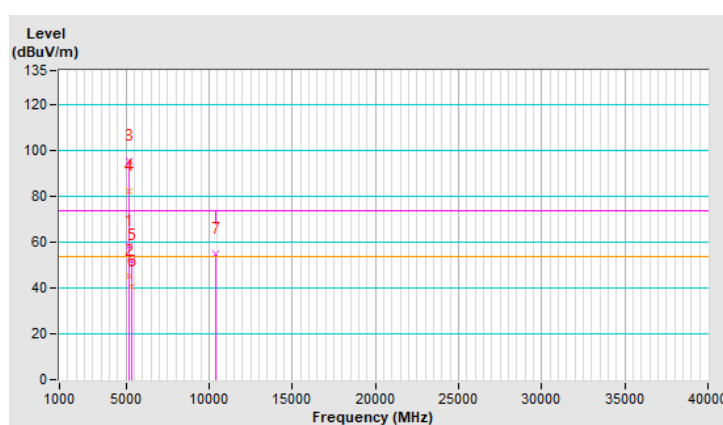


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 42：5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.3 PK	74.0	-15.7	2.80 H	142	56.2	2.1
2	5150.00	45.2 AV	54.0	-8.8	2.80 H	142	43.1	2.1
3	*5210.00	95.7 PK			2.80 H	142	59.5	36.2
4	*5210.00	82.4 AV			2.80 H	142	46.2	36.2
5	5350.00	52.2 PK	74.0	-21.8	2.80 H	142	50.2	2.0
6	5350.00	40.6 AV	54.0	-13.4	2.80 H	142	38.6	2.0
7	#10420.00	55.0 PK	68.2	-13.2	1.35 H	331	39.8	15.2
8	15630.00	-	-	-	-	-	-	-
9	20840.00	-	-	-	-	-	-	-
10	#26050.00	-	-	-	-	-	-	-
11	31260.00	-	-	-	-	-	-	-
12	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 output power.

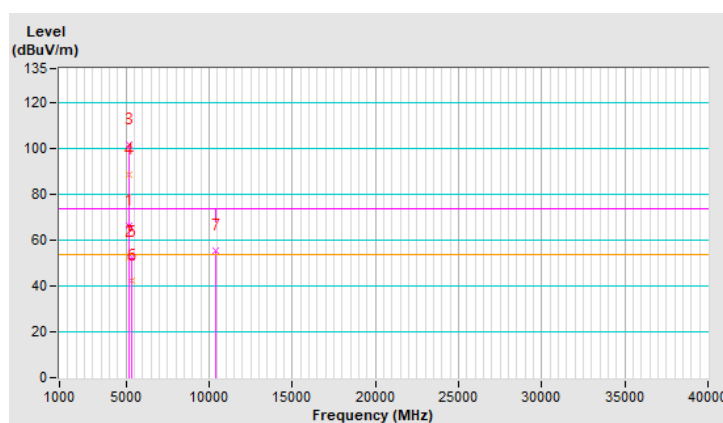


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 42：5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 7 月 29 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	66.1 PK	74.0	-7.9	2.30 V	186	64.0	2.1
2	5150.00	52.7 AV	54.0	-1.3	2.30 V	186	50.6	2.1
3	*5210.00	101.8 PK			2.30 V	186	65.6	36.2
4	*5210.00	88.6 AV			2.30 V	186	52.4	36.2
5	5350.00	52.9 PK	74.0	-21.1	2.30 V	186	50.9	2.0
6	5350.00	42.3 AV	54.0	-11.7	2.30 V	186	40.3	2.0
7	#10420.00	55.6 PK	68.2	-12.6	2.59 V	235	40.4	15.2
8	15630.00	-	-	-	-	-	-	-
9	20840.00	-	-	-	-	-	-	-
10	#26050.00	-	-	-	-	-	-	-
11	31260.00	-	-	-	-	-	-	-
12	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 output power.

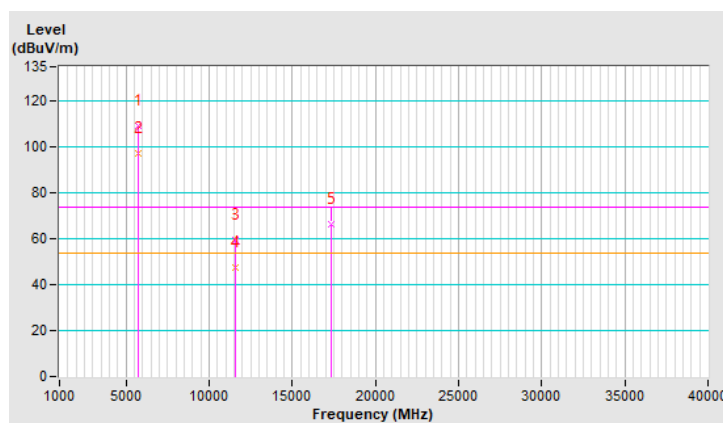


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.5 PK			3.15 H	285	72.0	37.5
2	*5775.00	97.5 AV			3.15 H	285	60.0	37.5
3	11550.00	59.4 PK	74.0	-14.6	1.61 H	315	44.1	15.3
4	11550.00	47.3 AV	54.0	-6.7	1.61 H	315	32.0	15.3
5	#17325.00	66.3 PK	68.2	-1.9	2.03 H	122	43.5	22.8
6	23100.00	-	-	-	-	-	-	-
7	#28875.00	-	-	-	-	-	-	-
8	#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 output power.

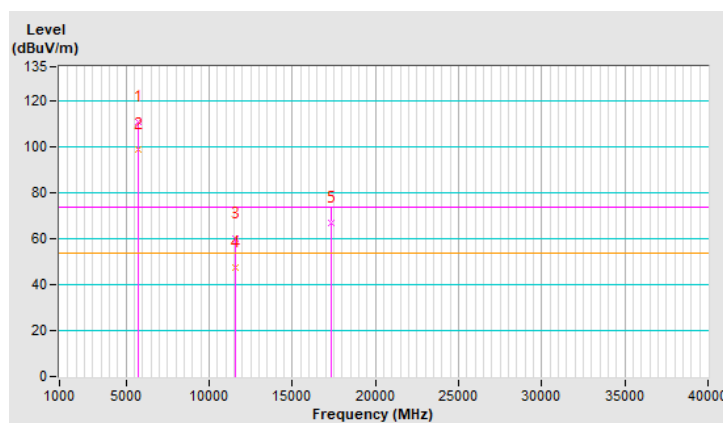


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	111.2 PK			2.63 V	95	73.7	37.5
2	*5775.00	99.0 AV			2.63 V	95	61.5	37.5
3	11550.00	59.9 PK	74.0	-14.1	1.27 V	85	44.6	15.3
4	11550.00	47.6 AV	54.0	-6.4	1.27 V	85	32.3	15.3
5	#17325.00	67.1 PK	68.2	-1.1	3.03 V	85	44.3	22.8
6	23100.00	-	-	-	-	-	-	-
7	#28875.00	-	-	-	-	-	-	-
8	#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 output power.

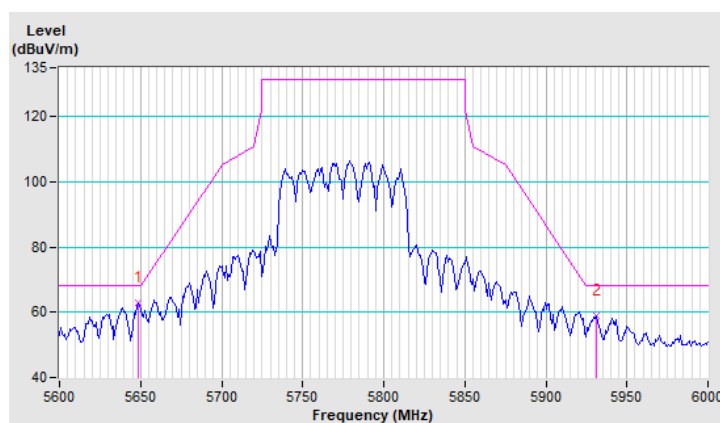


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	62.9 PK	68.2	-5.3	3.15 H	285	60.2	2.7
2	*5775.00	-	-	-	-	-	-	-
3	#5931.20	58.8 PK	68.2	-9.4	3.15 H	285	55.5	3.3
4	11550.00	-	-	-	-	-	-	-
5	#17325.00	-	-	-	-	-	-	-
6	23100.00	-	-	-	-	-	-	-
7	#28875.00	-	-	-	-	-	-	-
8	#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 output power.

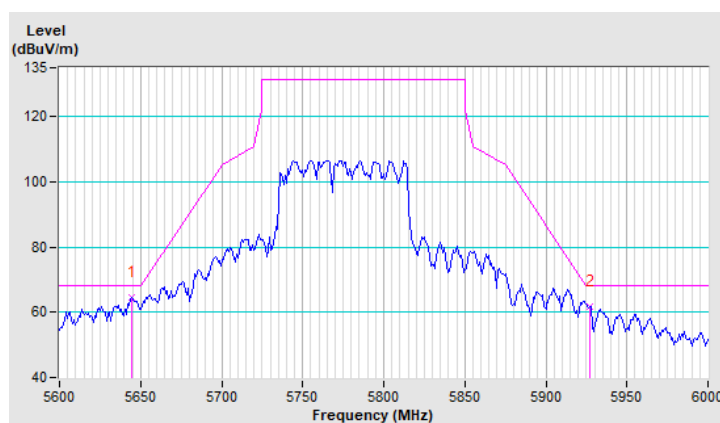


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	66.0%RH
測試日期：	109 年 11 月 11 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5644.80	64.5 PK	68.2	-3.7	2.63 V	95	61.8	2.7
2	*5775.00	-	-	-	-	-	-	-
3	#5927.20	61.9 PK	68.2	-6.3	2.63 V	95	58.6	3.3
4	11550.00	-	-	-	-	-	-	-
5	#17325.00	-	-	-	-	-	-	-
6	23100.00	-	-	-	-	-	-	-
7	#28875.00	-	-	-	-	-	-	-
8	#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 output power.



8.6.2 接收諧波

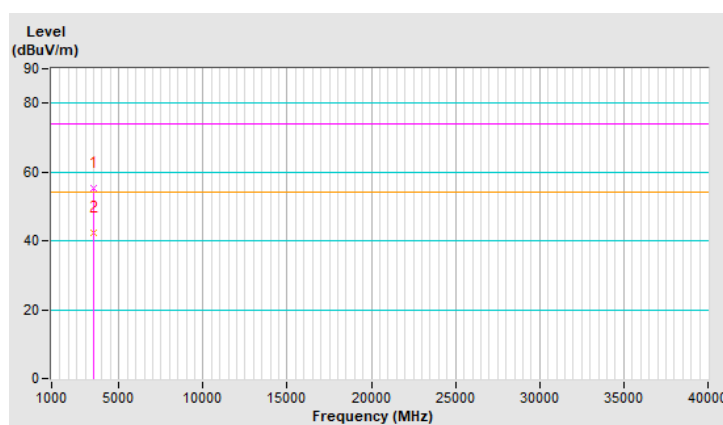
802.11a

操作模式：	接收		
基本波頻率：	CH 40 : 5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3497.00	55.4 PK	74.0	-18.6	1.82 H	273	56.8	-1.4
2	3497.00	42.4 AV	54.0	-11.6	1.82 H	273	43.8	-1.4

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.

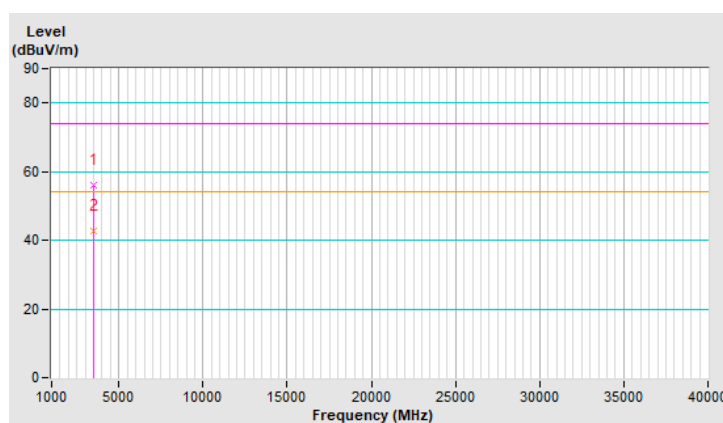


操作模式：	接收		
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109年8月7日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3497.00	55.9 PK	74.0	-18.1	3.13 V	106	57.3	-1.4
2	3497.00	42.8 AV	54.0	-11.2	3.13 V	106	44.2	-1.4

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.



8.6.3 其它不必要之訊號

9 kHz ~ 30 MHz Data:

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

30 MHz ~ 1 GHz Data:

BELOW 1GHz WORST-CASE DATA

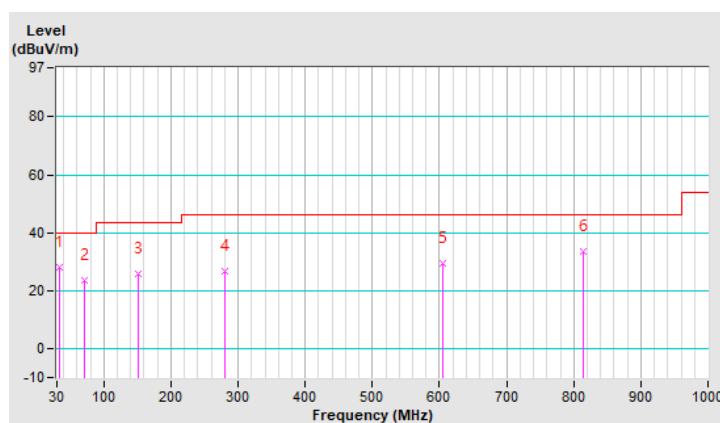
Mode A

操作模式：	發射/接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.88	27.9 QP	40.0	-12.1	1.50 H	108	38.5	-10.6
2	70.74	23.6 QP	40.0	-16.4	1.25 H	59	34.7	-11.1
3	152.22	25.7 QP	43.5	-17.8	1.00 H	115	34.4	-8.7
4	281.23	26.5 QP	46.0	-19.5	1.00 H	82	33.9	-7.4
5	605.21	29.4 QP	46.0	-16.6	1.25 H	56	30.1	-0.7
6	814.73	33.4 QP	46.0	-12.6	1.50 H	2	30.4	3.0

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 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.

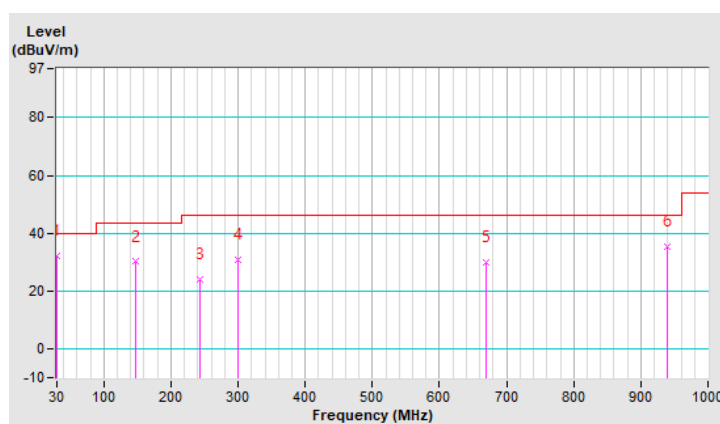


操作模式：	發射/接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	32.2 QP	40.0	-7.8	1.25 V	341	42.7	-10.5
2	146.40	30.1 QP	43.5	-13.4	1.00 V	109	38.8	-8.7
3	242.43	23.8 QP	46.0	-22.2	1.50 V	65	33.1	-9.3
4	299.66	30.8 QP	46.0	-15.2	1.00 V	272	37.9	-7.1
5	669.23	30.1 QP	46.0	-15.9	1.25 V	223	29.8	0.3
6	938.89	35.2 QP	46.0	-10.8	1.00 V	43	29.9	5.3

Remarks:

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



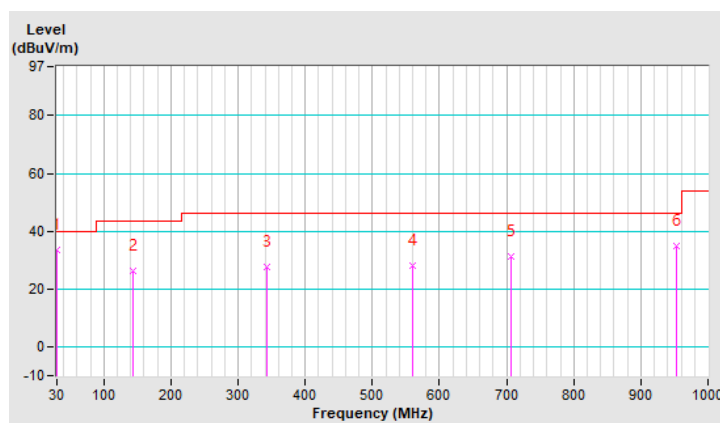
Mode B

操作模式：	發射/接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 11 月 24 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	33.7 QP	40.0	-6.3	1.25 H	28	44.2	-10.5
2	142.52	26.2 QP	43.5	-17.3	1.00 H	126	35.2	-9.0
3	343.31	27.5 QP	46.0	-18.5	1.50 H	156	33.6	-6.1
4	559.62	28.0 QP	46.0	-18.0	1.00 H	12	30.0	-2.0
5	707.06	31.1 QP	46.0	-14.9	1.00 H	265	30.2	0.9
6	953.44	35.1 QP	46.0	-10.9	1.25 H	337	29.5	5.6

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.

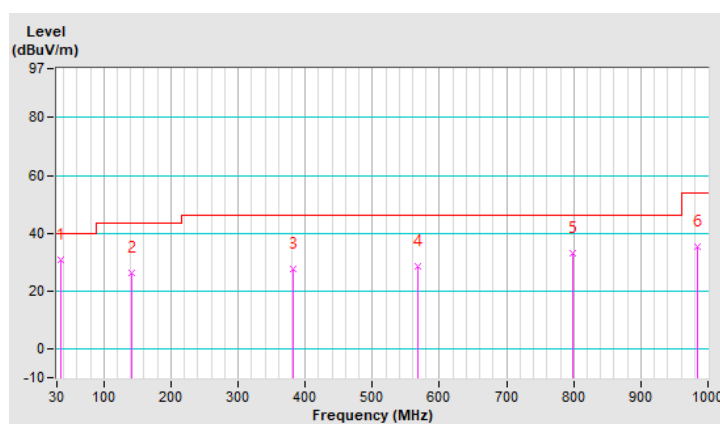


操作模式：	發射/接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 11 月 24 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.79	30.9 QP	40.0	-9.1	1.25 V	244	41.1	-10.2
2	140.58	26.4 QP	43.5	-17.1	1.00 V	181	35.6	-9.2
3	381.14	27.5 QP	46.0	-18.5	1.50 V	239	32.7	-5.2
4	568.35	28.4 QP	46.0	-17.6	1.00 V	32	30.1	-1.7
5	798.24	33.0 QP	46.0	-13.0	1.00 V	357	30.2	2.8
6	984.48	35.5 QP	54.0	-18.5	1.25 V	252	29.6	5.9

Remarks:

1. Emission Level(dBuV/m) = 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.



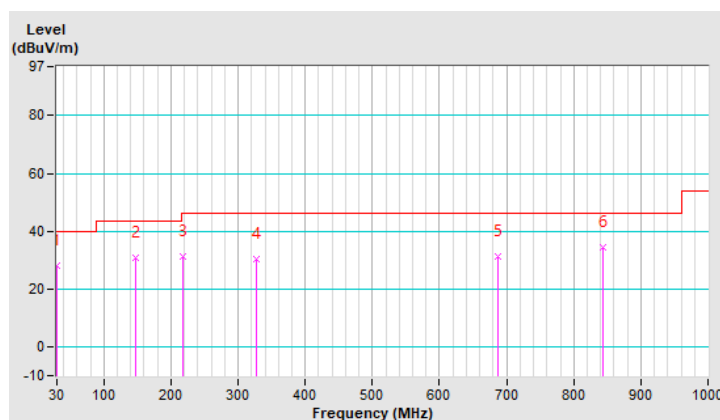
Mode C

操作模式：	發射/接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109年8月7日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	28.1 QP	40.0	-11.9	1.25 H	10	38.6	-10.5
2	146.40	30.9 QP	43.5	-12.6	1.50 H	105	39.6	-8.7
3	218.18	31.1 QP	46.0	-14.9	1.00 H	282	42.1	-11.0
4	326.82	30.5 QP	46.0	-15.5	1.00 H	151	36.9	-6.4
5	686.69	31.3 QP	46.0	-14.7	1.25 H	150	30.6	0.7
6	843.83	34.5 QP	46.0	-11.5	1.00 H	235	31.0	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 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.

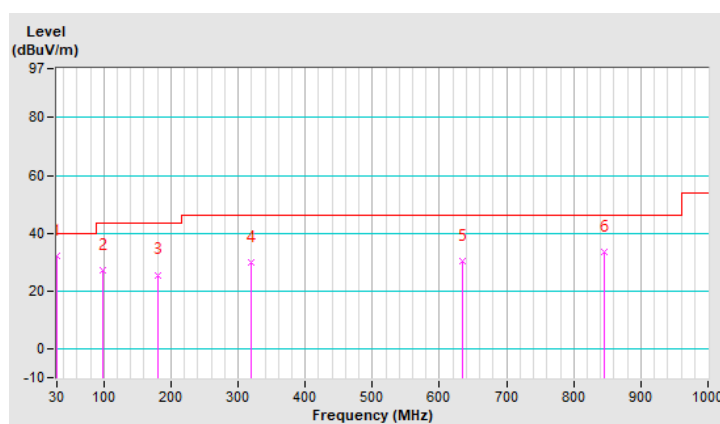


操作模式：	發射/接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	32.3 QP	40.0	-7.7	1.25 V	296	42.8	-10.5
2	97.90	27.2 QP	43.5	-16.3	1.00 V	184	41.0	-13.8
3	180.35	25.6 QP	43.5	-17.9	1.00 V	18	35.7	-10.1
4	319.06	29.9 QP	46.0	-16.1	1.00 V	38	36.5	-6.6
5	634.31	30.2 QP	46.0	-15.8	1.00 V	293	30.3	-0.1
6	844.80	33.4 QP	46.0	-12.6	1.50 V	274	29.9	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 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.



8.7 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 峰值傳導輸出功率量測及發射頻寬之要求

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(6)項(2)(A)及(4)項(2)(A)的規定(供戶外操作使用)
	☒ 請見本報告 3.1 節第(6)項(2)(A)及(4)項(2)(B)的規定(供室內操作使用)
	☐ 請見本報告 3.1 節第(6)項(2)(A)及(4)項(2)(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(2)(B)及(4)項(2)(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(4)項(3)及(6)項(3)的規定
☐ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第(4)項(3)及(6)項(3)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第(4)項(4)及(6)項(4)的規定

9.2 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，設置功率計的 gate 功能確保量測功率皆為 Burst on 的功率。
- 計算其輸出功率峰值。

For transmission above 5.725 GHz where the EBW crosses 5.725 GHz

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

發射頻寬量測方法：

- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 最大輸出功率峰值減 26 dB 的最大頻率範圍。

9.3 量測儀器

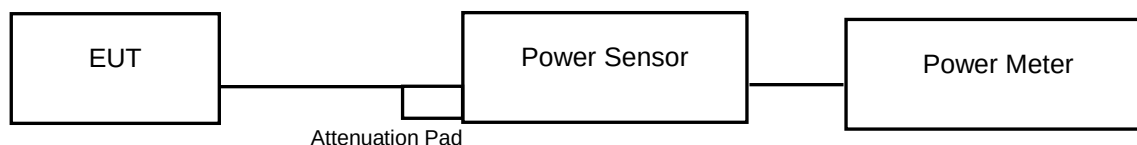
Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Power Meter	ML2495A	1232002	Dec. 10, 2019	Dec. 09, 2020
Power Sensor	MA2411B	1207325	Dec. 10, 2019	Dec. 09, 2020
Spectrum Analyzer R&S	FSU43	101261	Apr. 16, 2020	Apr. 15, 2021

Note:

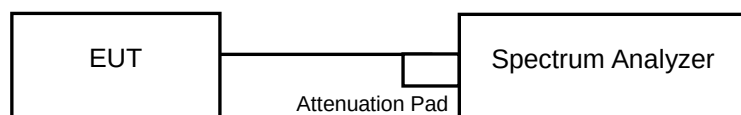
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The spectrum measurement uncertainty is 207 Hz, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed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

9.4 測試配置

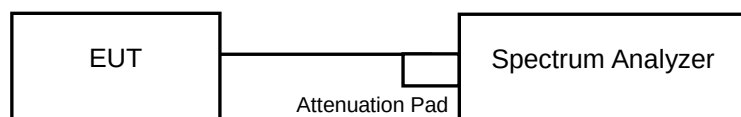
輸出峰值功率測試配置:



or



發射頻寬之測試配置:



9.5 量測結果

操作模式	發射	測試日期	109 年 09 月 25 日
量測場地溫度	25 °C	量測場地濕度	60 % RH
測試者	曾健瑋		

<AP Mode>

CDD Mode

802.11a

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	21.19	20.53	244.502	23.88	30	Pass
40	5200	25.50	25.33	696.006	28.43	30	Pass
48	5240	24.58	24.27	554.379	27.44	30	Pass
149	5745	22.74	22.52	366.58	25.64	30	Pass
157	5785	22.88	22.59	375.64	25.75	30	Pass
165	5825	22.23	22.04	327.065	25.15	30	Pass

802.11n (HT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	20.67	20.33	224.576	23.51	30	Pass
40	5200	25.17	24.28	596.768	27.76	30	Pass
48	5240	24.51	24.20	545.515	27.37	30	Pass
149	5745	23.64	23.54	457.15	26.60	30	Pass
157	5785	22.23	22.03	326.697	25.14	30	Pass
165	5825	21.19	21.06	259.166	24.14	30	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.27	14.77	63.643	18.04	30	Pass
46	5230	24.97	24.51	596.539	27.76	30	Pass
151	5755	22.91	22.78	385.105	25.86	30	Pass
159	5795	23.37	23.20	426.2	26.30	30	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	20.63	20.30	222.763	23.48	30	Pass
40	5200	25.14	24.22	590.829	27.71	30	Pass
48	5240	24.47	24.16	540.513	27.33	30	Pass
149	5745	23.68	23.61	462.961	26.66	30	Pass
157	5785	22.26	22.10	330.448	25.19	30	Pass
165	5825	21.23	21.11	261.861	24.18	30	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.24	14.76	63.342	18.02	30	Pass
46	5230	24.93	24.28	579.088	27.63	30	Pass
151	5755	22.95	22.83	389.109	25.90	30	Pass
159	5795	23.43	23.31	434.582	26.38	30	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	13.21	12.82	40.084	16.03	30	Pass
155	5775	23.43	23.34	436.067	26.40	30	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	20.71	20.36	226.403	23.55	30	Pass
40	5200	25.20	24.52	614.27	27.88	30	Pass
48	5240	24.55	24.22	549.343	27.40	30	Pass
149	5745	23.77	23.65	469.971	26.72	30	Pass
157	5785	22.35	22.12	334.72	25.25	30	Pass
165	5825	21.31	21.16	265.824	24.25	30	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.30	14.80	64.084	18.07	30	Pass
46	5230	24.97	24.59	601.791	27.79	30	Pass
151	5755	23.01	22.97	398.139	26.00	30	Pass
159	5795	23.51	23.34	440.163	26.44	30	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	13.25	12.89	40.588	16.08	30	Pass
155	5775	23.52	23.41	444.186	26.48	30	Pass

Beamforming Mode

802.11n (HT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	17.66	17.32	112.296	20.50	28.74	Pass
40	5200	22.16	21.27	298.405	24.75	28.74	Pass
48	5240	21.50	21.19	272.776	24.36	28.74	Pass
149	5745	20.63	20.53	228.591	23.59	28.74	Pass
157	5785	19.22	19.02	163.36	22.13	28.74	Pass
165	5825	18.18	18.05	129.592	21.13	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

802.11n (HT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	12.26	11.76	31.824	15.03	28.74	Pass
46	5230	21.96	21.50	298.29	24.75	28.74	Pass
151	5755	19.90	19.77	192.566	22.85	28.74	Pass
159	5795	20.36	20.19	213.115	23.29	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	17.62	17.29	111.389	20.47	28.74	Pass
40	5200	22.13	21.21	295.435	24.70	28.74	Pass
48	5240	21.46	21.15	270.275	24.32	28.74	Pass
149	5745	20.67	20.60	231.496	23.65	28.74	Pass
157	5785	19.25	19.09	165.236	22.18	28.74	Pass
165	5825	18.22	18.10	130.94	21.17	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

802.11ac (VHT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	12.23	11.75	31.673	15.01	28.74	Pass
46	5230	21.92	21.27	289.564	24.62	28.74	Pass
151	5755	19.94	19.82	194.568	22.89	28.74	Pass
159	5795	20.42	20.30	217.306	23.37	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	10.20	9.81	20.043	13.02	28.74	Pass
155	5775	20.42	20.33	218.049	23.39	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

802.11ax (HE20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	17.71	17.36	113.47	20.55	28.74	Pass
40	5200	22.20	21.52	307.864	24.88	28.74	Pass
48	5240	21.55	21.22	275.324	24.40	28.74	Pass
149	5745	20.76	20.64	235.002	23.71	28.74	Pass
157	5785	19.34	19.11	167.372	22.24	28.74	Pass
165	5825	18.30	18.15	132.921	21.24	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

802.11ax (HE40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	12.30	11.80	32.118	15.07	28.74	Pass
46	5230	21.97	21.59	301.61	24.79	28.74	Pass
151	5755	20.00	19.96	199.083	22.99	28.74	Pass
159	5795	20.50	20.33	220.097	23.43	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

802.11ax (HE80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	10.25	9.89	20.342	13.08	28.74	Pass
155	5775	20.51	20.40	222.108	23.47	28.74	Pass

Note:

Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.

<Client Mode>

802.11a

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.15	18.54	153.674	21.87	24	Pass
40	5200	19.01	18.85	150.411	21.77	24	Pass
48	5240	19.11	18.82	157.678	21.98	24	Pass

802.11n (HT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.73	19.26	178.306	22.51	24	Pass
40	5200	19.59	19.48	179.707	22.55	24	Pass
48	5240	19.51	19.18	172.125	22.36	24	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.22	14.70	62.778	17.98	24	Pass
46	5230	20.88	20.49	234.405	23.70	24	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.77	19.32	180.349	22.56	24	Pass
40	5200	19.62	19.50	180.747	22.57	24	Pass
48	5240	19.54	19.22	173.51	22.39	24	Pass

802.11ac (VHT40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.24	14.73	63.136	18.00	24	Pass
46	5230	20.96	20.56	238.501	23.77	24	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	13.17	12.84	39.98	16.02	24	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.76	19.41	181.921	22.60	24	Pass
40	5200	19.70	19.58	184.107	22.65	24	Pass
48	5240	19.61	19.28	176.134	22.46	24	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.30	14.80	64.084	18.07	24	Pass
46	5230	21.02	20.64	242.351	23.84	24	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	13.25	12.89	40.588	16.08	24	Pass

26 dB Bandwidth:

802.11a

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	20.71	20.93
40	5200	39.07	43.51
48	5240	33.69	34.44

802.11ax (HE20)

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	21.80	22.05
40	5200	41.95	37.68
48	5240	35.45	34.89

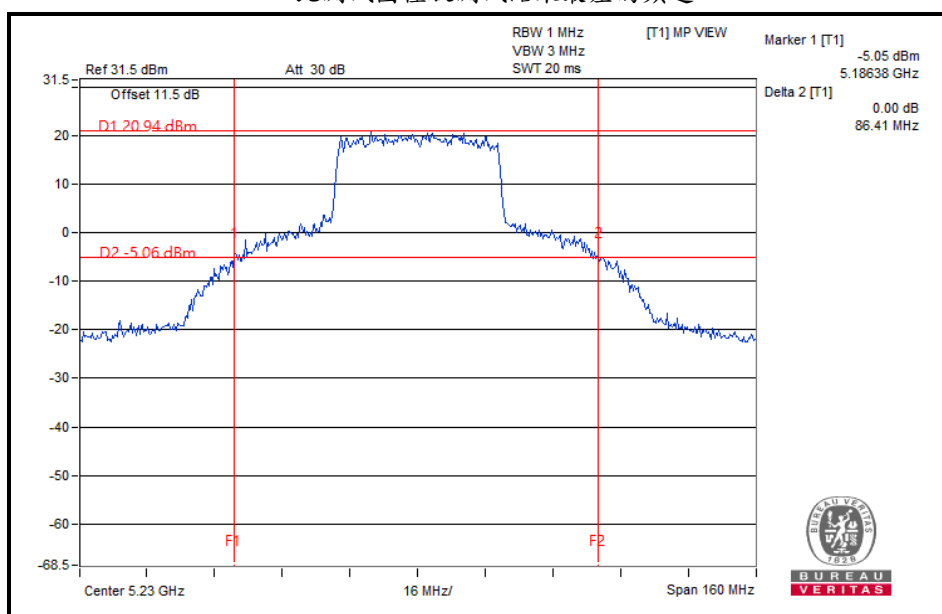
802.11ax (HE40)

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	42.24	42.26
46	5230	80.11	86.41

802.11ax (HE80)

Channel	Frequency (MHz)	26 dBc Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	82.82	82.90

**此測試圖僅放測試結果最差的頻道。



9.6 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。

10 功率頻譜密度之量測

10.1 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(2) (A)及(4)項(2)(A)的規定(供戶外操作使用)
	☒ 請見本報告 3.1 節第(7)項(2)(A)及(4)項(2)(B)的規定(供室內操作使用)
	☐ 請見本報告 3.1 節第(7)項(2)(A)及(4)項(2)(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(2)(B)及(4)項(2)(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(4)項(3)及(7)項(3)的規定
☐ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第(4)項(3)及(7)項(3)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第(4)項(4)及(7)項(4)的規定

10.2 量測方法

For U-NII-1 band:

Using method SA-2

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

※For U-NII-3:

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

10.3 量測儀器

同 7.3 節。

10.4 測試配置

同 7.4 節

10.5 量測結果

操作模式	發射	測試日期	109 年 09 月 25 日
量測場地溫度	25 °C	量測場地濕度	60 % RH
測試者	曾健瑋		

<AP Mode>

802.11a

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	8.14	7.69	0.31	11.24	15.74	Pass
40	5200	11.98	12.32	0.31	15.47	15.74	Pass
48	5240	11.43	11.04	0.31	14.56	15.74	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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $17 - (7.26 - 6) = 15.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

802.11ax (HE20)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	6.84	6.64	0.27	10.02	15.74	Pass
40	5200	11.28	9.94	0.27	13.94	15.74	Pass
48	5240	10.71	10.19	0.27	13.74	15.74	Pass

17Note:

- 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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $17 - (7.26 - 6) = 15.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

802.11ax (HE40)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-1.35	-1.98	0.27	1.62	15.74	Pass
46	5230	7.80	7.69	0.27	11.02	15.74	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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $17 - (7.26 - 6) = 15.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

802.11ax (HE80)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-6.28	-7.21	0.37	-3.34	15.74	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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $17 - (7.26 - 6) = 15.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

<Client Mode>

802.11a

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	6.00	5.88	0.31	9.26	9.74	Pass
40	5200	5.94	5.74	0.31	9.16	9.74	Pass
48	5240	6.03	6.20	0.31	9.43	9.74	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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $11 - (7.26 - 6) = 9.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

802.11ax (HE20)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	6.24	5.69	0.27	9.26	9.74	Pass
40	5200	6.07	6.10	0.27	9.37	9.74	Pass
48	5240	5.78	6.13	0.27	9.24	9.74	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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $11 - (7.26 - 6) = 9.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

802.11ax (HE40)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-1.35	-1.98	0.27	1.62	9.74	Pass
46	5230	4.59	4.31	0.27	7.73	9.74	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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $11 - (7.26 - 6) = 9.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

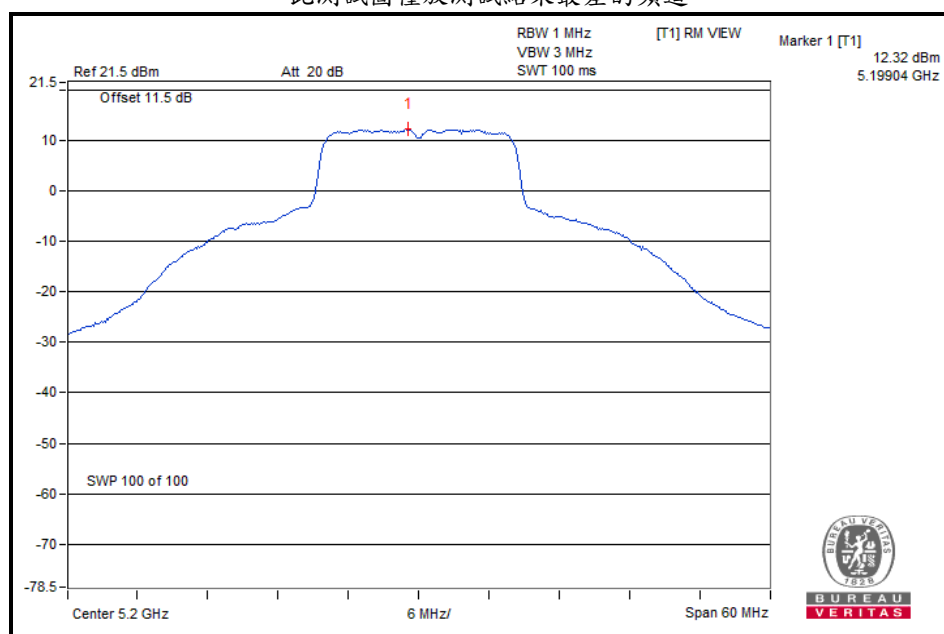
802.11ax (HE80)

Channel	Frequency (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-6.28	-7.21	0.37	-3.34	9.74	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.
- For U-NII-1 Band:**
Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 \text{ dBi} > 6 \text{ dBi}$, so the power density limit shall be reduced to $11 - (7.26 - 6) = 9.74 \text{ dBm}$.
- Refer to section 2.1註11 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



For U-NII-3 Band

802.11a

TX Chain	Channel	Frequency (MHz)	PSD w/o Duty Factor		10 log (N=2) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300 kHz)	(dBm/500 kHz)					
0	149	5745	-0.38	1.84	3.01	0.31	5.16	28.74	Pass
	157	5785	-0.09	2.13	3.01	0.31	5.45	28.74	Pass
	165	5825	0.47	2.69	3.01	0.31	6.01	28.74	Pass
1	149	5745	0.42	2.64	3.01	0.31	5.96	28.74	Pass
	157	5785	0.37	2.59	3.01	0.31	5.91	28.74	Pass
	165	5825	0.15	2.37	3.01	0.31	5.69	28.74	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.
- Refer to section 2.1 註 11 for duty cycle spectrum plot.

802.11ax (HE20)

TX Chain	Channel	Frequency (MHz)	PSD		10 log (N=2) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300 kHz)	(dBm/500 kHz)					
0	149	5745	-0.23	1.99	3.01	0.27	5.27	28.74	Pass
	157	5785	-0.94	1.28	3.01	0.27	4.56	28.74	Pass
	165	5825	-2.09	0.13	3.01	0.27	3.41	28.74	Pass
1	149	5745	-0.51	1.71	3.01	0.27	4.99	28.74	Pass
	157	5785	-1.39	0.83	3.01	0.27	4.11	28.74	Pass
	165	5825	-2.54	-0.32	3.01	0.27	2.96	28.74	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
- Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.
- Refer to section 2.1 註 11 for duty cycle spectrum plot.

802.11ax (HE40)

TX Chain	Channel	Frequency (MHz)	PSD		10 log (N=2) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300 kHz)	(dBm/500 kHz)					
0	151	5755	-3.07	-0.85	3.01	0.27	2.43	28.74	Pass
	159	5795	-2.74	-0.52	3.01	0.27	2.76	28.74	Pass
1	151	5755	-3.39	-1.17	3.01	0.27	2.11	28.74	Pass
	159	5795	-2.84	-0.62	3.01	0.27	2.66	28.74	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.
3. Refer to section 2.1 註 11 for duty cycle spectrum plot.

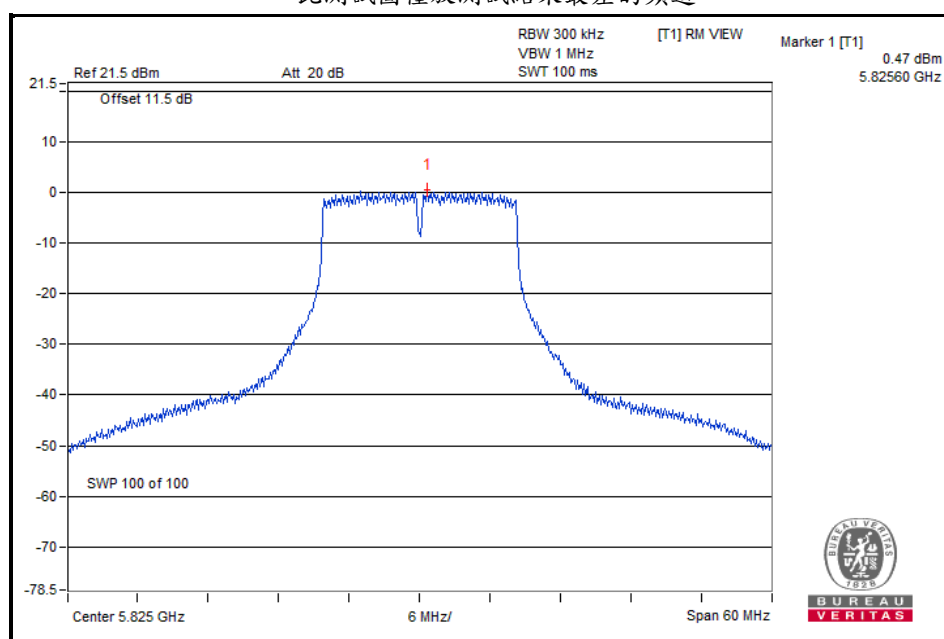
802.11ax (HE80)

TX Chain	Channel	Frequency (MHz)	PSD		10 log (N=2) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500 kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300 kHz)	(dBm/500 kHz)					
0	155	5775	-4.79	-2.57	3.01	0.37	0.81	28.74	Pass
1	155	5775	-5.7	-3.48	3.01	0.37	-0.1	28.74	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density.
2. Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26 > 6 \text{ dBi}$, so the power density limit shall be reduced to $30 - (7.26 - 6) = 28.74 \text{ dBm}$.
3. Refer to section 2.1 註 11 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



10.6 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。

11 6 dB 頻寬之要求

11.1 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(2)的規定

11.2 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 6 dB 的最大頻率範圍。

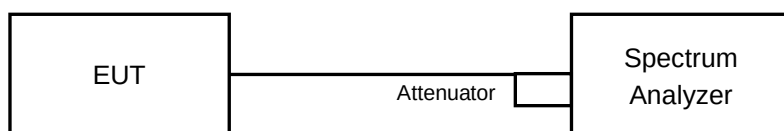
11.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Spectrum Analyzer R&S	FSU43	101261	Apr. 16, 2020	Apr. 15, 2021

Note:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 207 Hz, 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.

11.4 測試配置



11.5 量測結果

操作模式	發射	測試日期	109 年 09 月 25 日
量測場地溫度	25 °C	量測場地濕度	60 % RH
測試者	曾健瑋		

802.11a

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	15.81	16.08	0.5	Pass
157	5785	15.83	15.50	0.5	Pass
165	5825	15.70	15.51	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	18.51	18.68	0.5	Pass
157	5785	18.45	18.12	0.5	Pass
165	5825	18.62	18.46	0.5	Pass

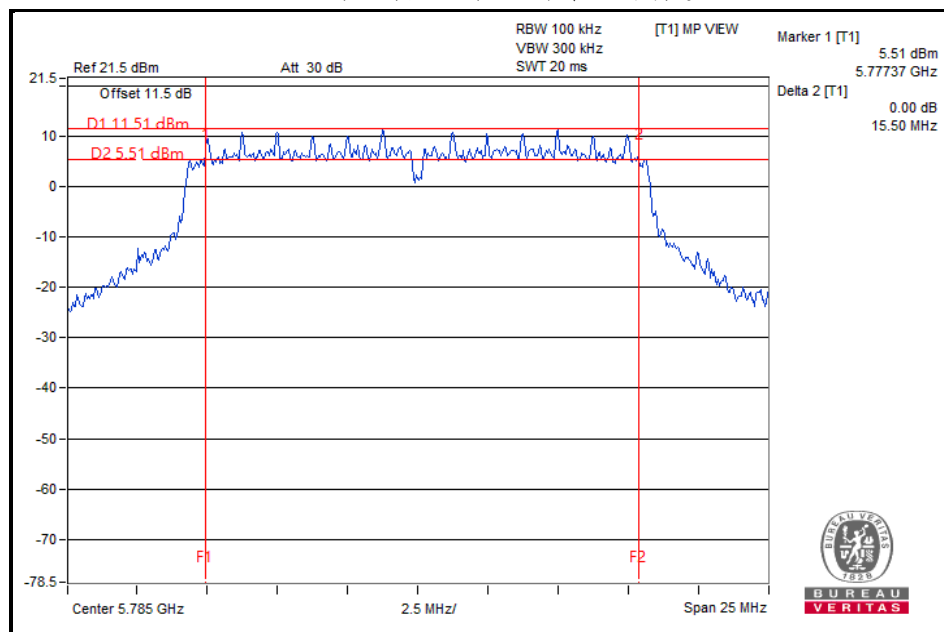
802.11ax (HE40)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	38.08	37.91	0.5	Pass
159	5795	37.82	37.75	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	75.49	71.83	0.5	Pass

**此測試圖僅放測試結果最差的頻道。



11.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

12 電源線傳導干擾之量測

12.1 適用標準

請見本報告 3.1 節第(1)項的規定。

12.2 量測方法

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

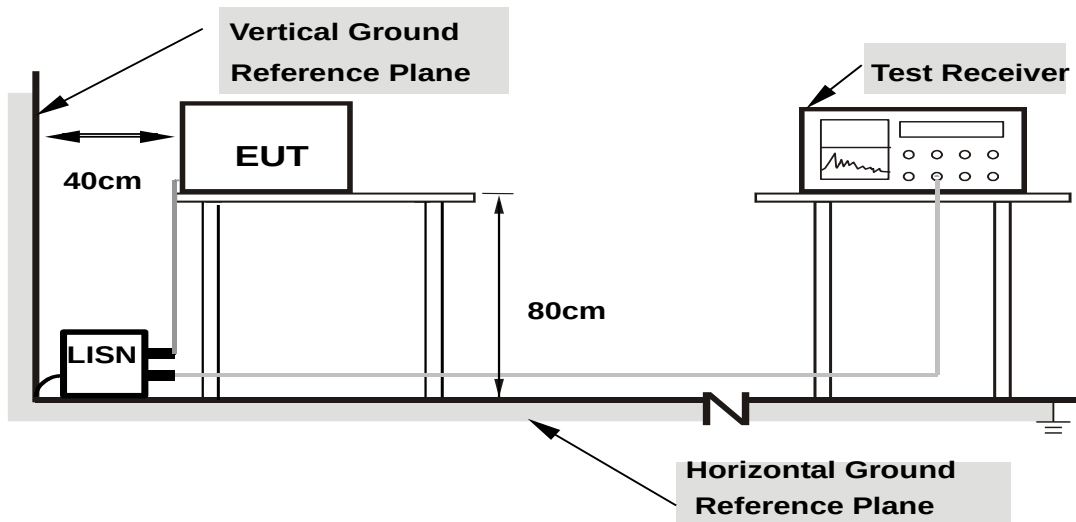
12.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver ROHDE & SCHWARZ	ESCI	100613	Dec. 11, 2019	Dec. 10, 2020
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond1-01	Sep. 05, 2019	Sep. 04, 2020
			Sep. 04, 2020	Sep. 03, 2021
LISN ROHDE & SCHWARZ (EUT)	ENV216	101826	Feb. 20, 2020	Feb. 19, 2021
V-LISN SCHWARZBECK (Peripheral)	NNBL 8226-2	8226-142	Jul. 31, 2020	Jul. 30, 2021
Software ADT	BV ADT_Cond_ V7.3.7.3	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 1 (Conduction 1).
3. The VCCI Site Registration No. is C-12040.
4. The measurement uncertainty is 2.94 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.

12.4 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

12.5 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

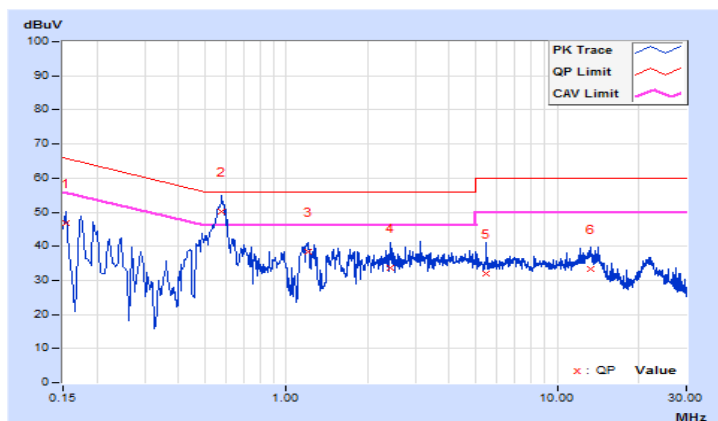
12.6 量測結果

量測頻率範圍	150kHz ~ 30MHz	檢測器與頻寬	準峰值 (QP) / 平均值 (AV), 9kHz
量測電壓值	110Vac, 60Hz	量測場地溫濕度	25°C, 75%RH
測試者	林聖博	測試日期	2020/11/23
測試模式	Mode 4		

量測電源端點：火線 (L1)										
No	頻率 (MHz)	修正因子 (dB)	量測讀值 (dBuV)		干擾值 (dBuV)		限制值 (dBuV)		餘裕 (dB)	
			準峰值	平均值	準峰值	平均值	準峰值	平均值	準峰值	平均值
1	0.15400	9.58	37.29	26.63	46.87	36.21	65.78	55.78	-18.91	-19.57
2	0.57796	9.59	40.59	32.63	50.18	42.22	56.00	46.00	-5.82	-3.78
3	1.19800	9.61	28.81	20.77	38.42	30.38	56.00	46.00	-17.58	-15.62
4	2.41400	9.64	24.00	16.37	33.64	26.01	56.00	46.00	-22.36	-19.99
5	5.46200	9.68	22.45	16.40	32.13	26.08	60.00	50.00	-27.87	-23.92
6	13.26200	9.75	23.53	17.11	33.28	26.86	60.00	50.00	-26.72	-23.14

附註：

1. 其它頻率的干擾值對限制值而言非常低，所以未記錄。
2. 餘裕值(dB) = 干擾值(dBuV) – 限制值(dBuV)
3. 干擾值(dBuV) = 修正因子(dB) + 量測讀值(dBuV)

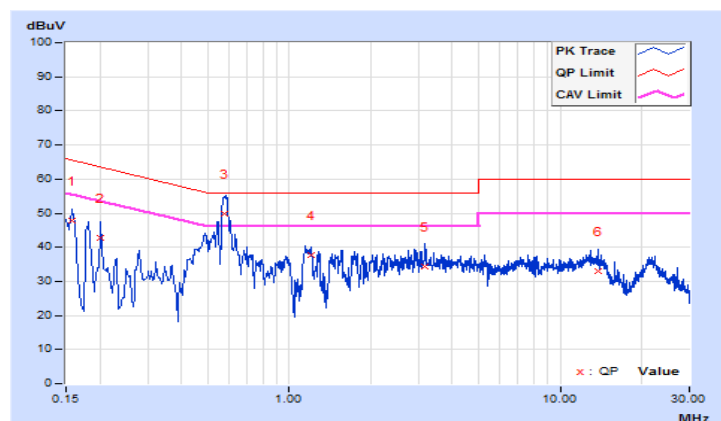


量測頻率範圍	150kHz ~ 30MHz	檢測器與頻寬	準峰值 (QP) / 平均值 (AV), 9kHz
量測電壓值	110Vac, 60Hz	量測場地溫濕度	25°C, 75%RH
測試者	林聖博	測試日期	2020/11/23
測試模式	Mode 4		

量測電源端點：中性線 (N)										
No	頻率 (MHz)	修正因子 (dB)	量測讀值 (dBuV)		干擾值 (dBuV)		限制值 (dBuV)		餘裕 (dB)	
			準峰值	平均值	準峰值	平均值	準峰值	平均值	準峰值	平均值
1	0.15770	9.56	38.19	26.41	47.75	35.97	65.58	55.58	-17.83	-19.61
2	0.20200	9.57	33.18	17.14	42.75	26.71	63.53	53.53	-20.78	-26.82
3	0.57342	9.57	40.37	32.30	49.94	41.87	56.00	46.00	-6.06	-4.13
4	1.19800	9.58	28.07	20.31	37.65	29.89	56.00	46.00	-18.35	-16.11
5	3.16600	9.63	24.73	17.87	34.36	27.50	56.00	46.00	-21.64	-18.50
6	13.88600	9.78	23.28	16.52	33.06	26.30	60.00	50.00	-26.94	-23.70

附註：

1. 其它頻率的干擾值對限制值而言非常低，所以未記錄。
2. 餘裕值(dB) = 干擾值(dBuV) – 限制值(dBuV)
3. 干擾值(dBuV) = 修正因子(dB) + 量測讀值(dBuV)



12.7 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。

13 電波暴露量之評估

13.1 適用標準

請見本報告 3.1 節第(12)項的規定。

13.2 評估方法

a) 以 6.5、9.5 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

13.3 評估結果

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Pass/Fail
2412 ~ 2472	29.20	6.16	23.9	0.479	1	Pass
5180 ~ 5240	28.43	7.26	23.9	0.516	1	Pass
5745 ~ 5825	26.72	7.26	23.9	0.348	1	Pass

Note:

2.4GHz: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 6.16$ dBi

5.0GHz: Directional gain = $10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] = 7.26$ dBi

CONCLUSION:

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

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

CPD = Calculation power density

LPD = Limit of power density

WLAN 2.4GHz + WLAN 5GHz = $0.479 + 0.516 = 0.995$

Therefore, the maximum calculation of this situation is 0.995, which is less than the "1" limit.

Co-Located 測試項目及結果

14 場強輻射及開放頻帶邊緣之量測

14.1 適用標準

請見本報告3.1節第2項的規定。

14.2 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米處。桌面要360度旋轉，另外接收天線也要從離地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

同 4.2 節(for 2.4G)與 8.2 節(for 5G)

14.3 量測儀器

同4.3節

14.4 測試配置

同4.4節。

14.5 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。

14.6 量測結果

14.6.1 發射諧波

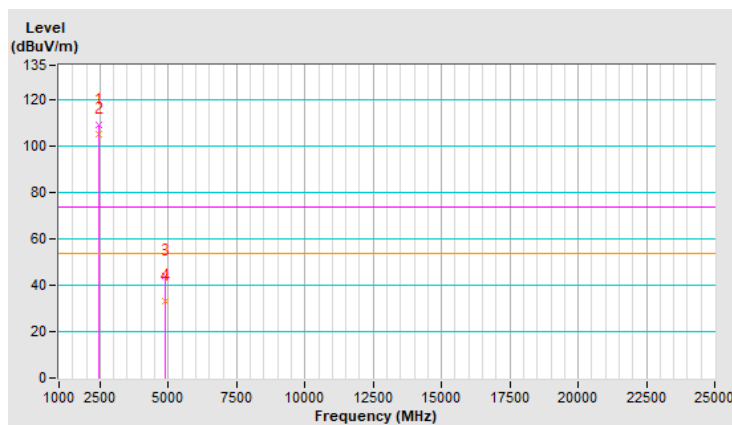
802.11b + 802.11a

操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	109.2 PK			2.77 H	302	78.1	31.1
2	#2437.00	105.4 AV			2.77 H	302	74.3	31.1
3	4874.00	44.1 PK	74.0	-29.9	3.53 H	229	42.1	2.0
4	4874.00	33.4 AV	54.0	-20.6	3.53 H	229	31.4	2.0
5	*5200.00	-	-	-	-	-	-	-
6	#10400.00	-	-	-	-	-	-	-
7	15600.00	-	-	-	-	-	-	-
8	20800.00	-	-	-	-	-	-	-
9	#26000.00	-	-	-	-	-	-	-
10	31200.00	-	-	-	-	-	-	-
11	#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 output power.

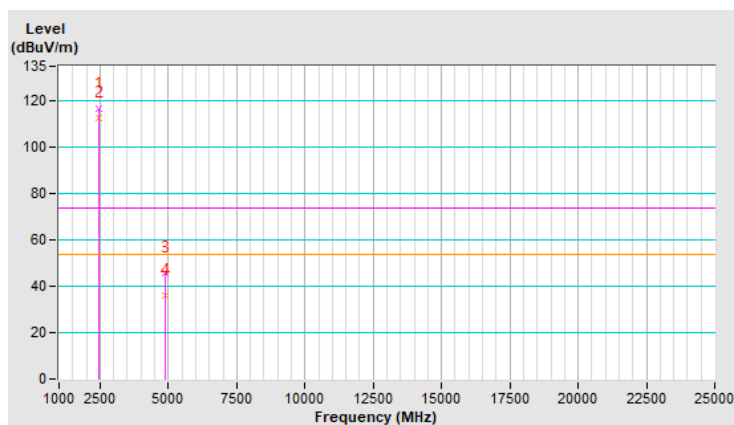


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	116.5 PK			3.02 V	329	85.4	31.1
2	#2437.00	112.6 AV			3.02 V	329	81.5	31.1
3	4874.00	45.6 PK	74.0	-28.4	2.61 V	330	43.6	2.0
4	4874.00	36.2 AV	54.0	-17.8	2.61 V	330	34.2	2.0
5	*5200.00	-	-	-	-	-	-	-
6	#10400.00	-	-	-	-	-	-	-
7	15600.00	-	-	-	-	-	-	-
8	20800.00	-	-	-	-	-	-	-
9	#26000.00	-	-	-	-	-	-	-
10	31200.00	-	-	-	-	-	-	-
11	#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 output power.

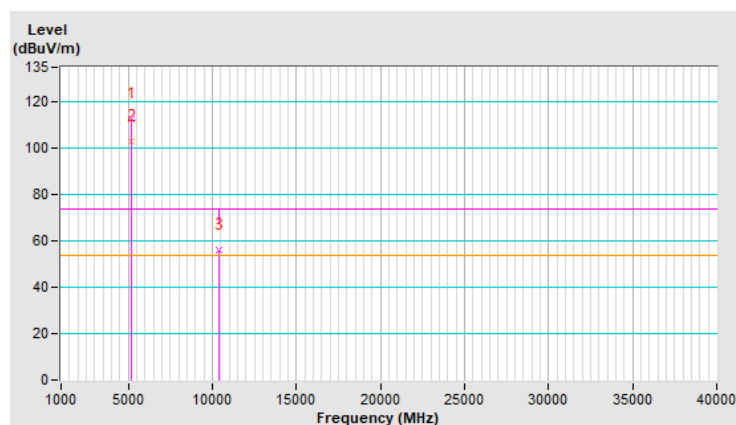


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	112.8 PK			3.05 H	148	76.6	36.2
2	*5200.00	102.8 AV			3.05 H	148	66.6	36.2
3	#10400.00	56.2 PK	68.2	-12.0	1.43 H	336	41.0	15.2
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#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 output power.

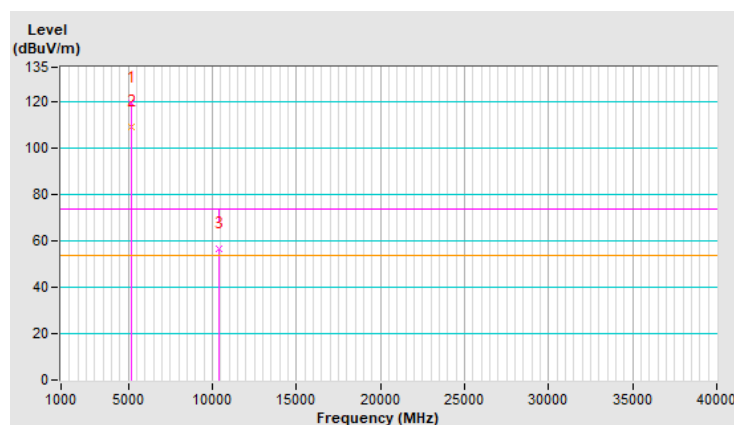


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	119.3 PK			2.47 V	195	83.1	36.2
2	*5200.00	109.3 AV			2.47 V	195	73.1	36.2
3	#10400.00	56.7 PK	68.2	-11.5	2.73 V	248	41.5	15.2
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#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 output power.



14.6.2 其它不必要之訊號

802.11b + 802.11a

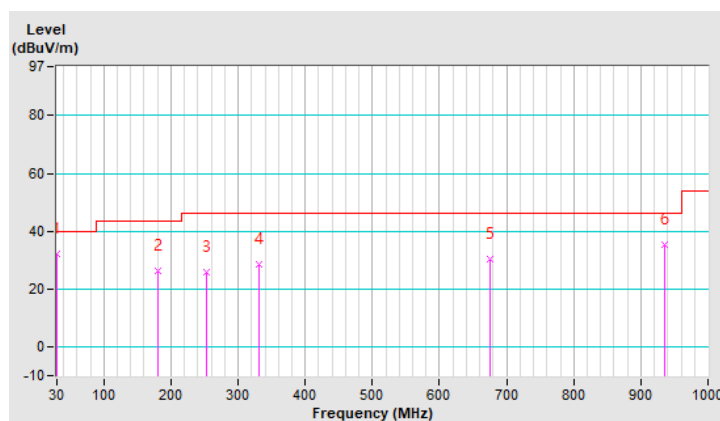
Mode A

操作模式：	發射/接收	調變技術：	DSSS + OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109年8月7日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (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	32.3 QP	40.0	-7.7	1.25 H	322	42.8	-10.5
2	180.35	26.3 QP	43.5	-17.2	1.00 H	145	36.4	-10.1
3	252.13	25.7 QP	46.0	-20.3	1.50 H	255	34.6	-8.9
4	331.67	28.6 QP	46.0	-17.4	1.00 H	215	34.9	-6.3
5	676.02	30.2 QP	46.0	-15.8	1.00 H	186	29.8	0.4
6	935.98	35.4 QP	46.0	-10.6	1.25 H	267	30.0	5.4

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 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.

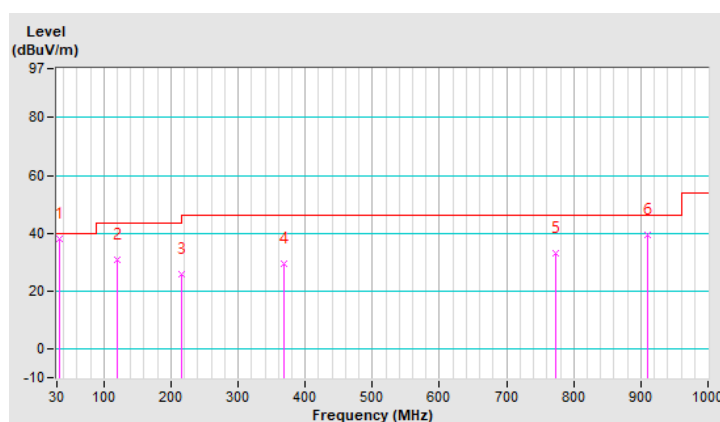


操作模式：	發射/接收	調變技術：	DSSS + OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	34.85	38.1 QP	40.0	-1.9	1.25 V	17	48.5	-10.4
2	120.21	30.6 QP	43.5	-12.9	1.00 V	207	41.7	-11.1
3	215.27	26.0 QP	43.5	-17.5	1.50 V	34	37.1	-11.1
4	368.53	29.5 QP	46.0	-16.5	1.00 V	202	35.0	-5.5
5	773.99	32.9 QP	46.0	-13.1	1.00 V	215	30.4	2.5
6	909.79	39.3 QP	46.0	-6.7	1.00 V	28	34.4	4.9

Remarks:

1. Emission Level(dBuV/m) = 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.



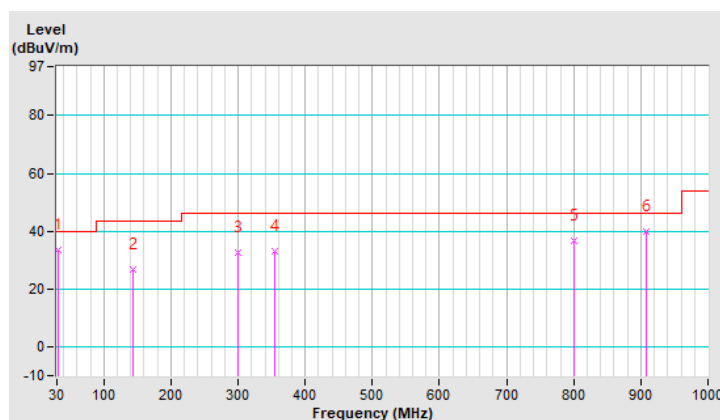
Mode B

操作模式：	發射/接收	調變技術：	DSSS + OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109 年 11 月 24 日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.00	33.7 QP	40.0	-6.3	1.00 H	11	44.7	-11.0
2	143.52	26.5 QP	43.5	-17.0	1.50 H	125	35.4	-8.9
3	300.66	32.8 QP	46.0	-13.2	1.00 H	333	39.9	-7.1
4	354.92	33.1 QP	46.0	-12.9	1.00 H	64	39.0	-5.9
5	800.18	36.9 QP	46.0	-9.1	1.00 H	263	34.1	2.8
6	908.79	39.9 QP	46.0	-6.1	1.00 H	145	35.0	4.9

Remarks:

1. Emission Level(dBuV/m) = 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.

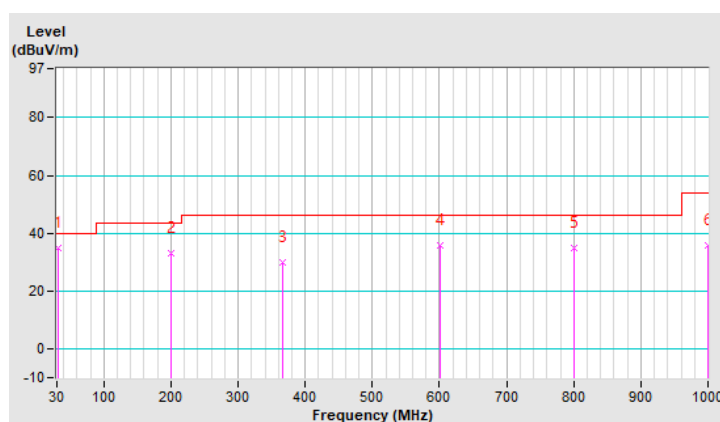


操作模式：	發射/接收	調變技術：	DSSS + OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 11 月 24 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (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	92	45.8	-10.7
2	199.84	33.2 QP	43.5	-10.3	1.00 V	241	44.8	-11.6
3	366.62	30.1 QP	46.0	-15.9	1.00 V	214	35.7	-5.6
4	600.33	35.7 QP	46.0	-10.3	1.00 V	254	36.5	-0.8
5	800.18	35.0 QP	46.0	-11.0	2.00 V	150	32.2	2.8
6	1000.00	36.0 QP	54.0	-18.0	1.50 V	0	30.0	6.0

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 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.



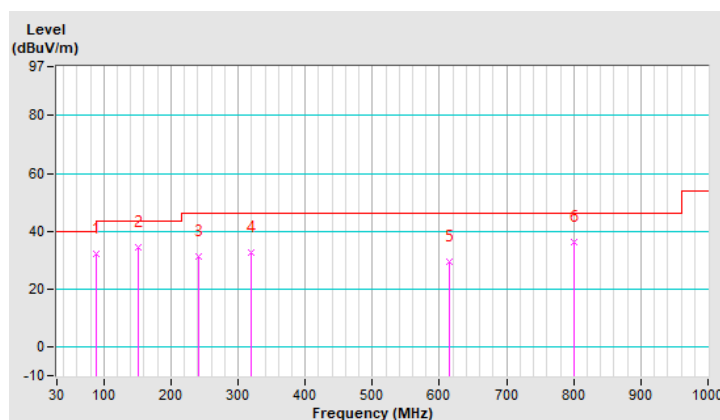
Mode C

操作模式：	發射/接收	調變技術：	DSSS + OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0℃	量測場地濕度：	67.0%RH
測試日期：	109年8月7日	測試者：	林聖博

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	88.20	32.0 QP	43.5	-11.5	1.00 H	310	46.5	-14.5
2	152.22	34.6 QP	43.5	-8.9	1.25 H	128	43.3	-8.7
3	241.46	31.2 QP	46.0	-14.8	1.00 H	113	40.5	-9.3
4	319.06	32.4 QP	46.0	-13.6	1.50 H	151	39.0	-6.6
5	613.94	29.5 QP	46.0	-16.5	1.25 H	184	30.0	-0.5
6	800.18	36.1 QP	46.0	-9.9	1.00 H	294	33.3	2.8

Remarks:

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

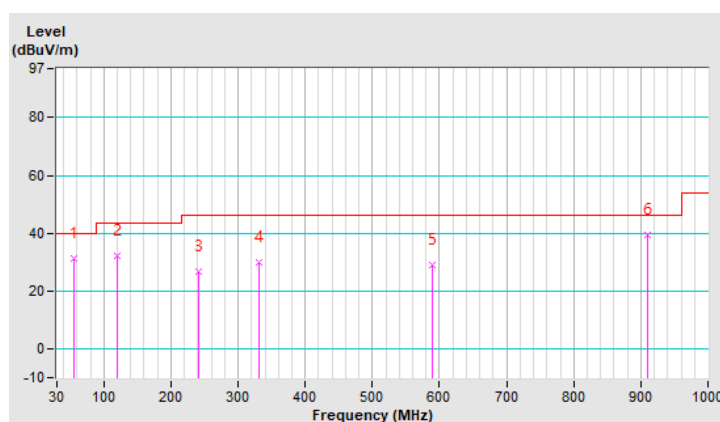


操作模式：	發射/接收	調變技術：	DSSS + OFDM
基本波頻率：	CH 6 + CH 40	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	22.0°C	量測場地濕度：	67.0%RH
測試日期：	109 年 8 月 7 日	測試者：	林聖博

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	56.19	31.3 QP	40.0	-8.7	1.25 V	4	40.5	-9.2
2	120.21	32.3 QP	43.5	-11.2	1.00 V	177	43.4	-11.1
3	240.49	26.9 QP	46.0	-19.1	1.50 V	76	36.3	-9.4
4	331.67	29.7 QP	46.0	-16.3	1.25 V	49	36.0	-6.3
5	588.72	29.1 QP	46.0	-16.9	1.00 V	75	30.2	-1.1
6	909.79	39.5 QP	46.0	-6.5	1.25 V	276	34.6	4.9

Remarks:

1. Emission Level(dBuV/m) = 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.



15 待測物測試設置照片

請參照 BV CPS 報告編號：RTDLK-WTW-P20110226-1

16 待測物照片

請參照 BV CPS 報告編號：DLK-WTW-P20110226

17 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

您也可以在我們的網站內找到各實驗室的地圖。

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