

低功率射頻器材技術規範測試報告

報告編號	RTBDQY-WTW-P21070082
申請者	群暉科技股份有限公司
產品名稱	802.11ax 無線路由器
型號	RT6600ax
製造廠商	EDIMAX Technology Co., Ltd
商標或廠牌	Synology
該產品樣品試驗 依據之試驗標準	國家通訊傳播委員會低功率射頻器材技術規範 109 年 7 月 1 日訂定
試驗結果	合格

香港商立德國際商品試驗有限公司桃園分公司林口實驗室
日期 110 年 12 月 29 日

報告簽署人簽章:

林炳存



目 錄

報告發行紀錄	5
1 低功率射頻器材量測記錄表	7
2 一般敘述	9
2.1 待測設備	9
2.2 輔助測試之週邊設備描述	22
2.3 測試架構圖	22
3 適用規範	23
3.1 規範要求和參考	23
3.2 限制使用之頻帶	28
2.4GHz 頻段測試紀錄結果	29
4 帶外發射之量測	29
4.1 適用標準	29
4.2 量測方法	29
4.3 量測儀器	30
4.4 測試配置	31
4.5 場強度之計算	32
4.6 量測結果	33
4.6.1 發射諧波	33
4.6.2 接收諧波	57
4.6.3 其它不必要之訊號	59
4.7 量測結果判定	60
4.8 配置照片	60
4.9 帶外發射之量測 (傳導)	61
4.10 量測結果判定	69
5 電源線傳導干擾之量測	70
5.1 適用標準	70
5.2 量測方法	70
5.3 量測儀器	70
5.4 測試配置	71
5.5 干擾值之計算	71
5.6 量測結果	72
5.7 量測結果判定	73
5.8 配置照片	73
6 發射(6 dB)頻寬之要求	74
6.1 適用標準	74
6.2 量測方法	74
6.3 量測儀器	74
6.4 測試配置	74
6.5 量測結果	75
6.6 量測結果判定	76
7 峰值傳導輸出功率之量測	77
7.1 適用標準	77
7.2 量測方法	77
7.3 量測儀器	77
7.4 測試配置	77

7.5	量測結果	78
7.6	量測結果判定	81
8	功率頻譜密度之量測	82
8.1	適用標準	82
8.2	量測方法	82
8.3	量測儀器	82
8.4	測試配置	82
8.5	量測結果	83
8.6	量測結果判定	85
	U-NII 頻段測試紀錄結果	86
9	帶外發射之量測	86
9.1	適用標準	86
9.2	量測方法	86
9.3	量測儀器	86
9.4	測試配置	86
9.5	場強度之計算	87
9.6	量測結果	88
9.6.1	發射諧波	88
9.6.2	接收諧波	192
9.6.3	其它不必要之訊號	196
9.7	量測結果判定	199
9.8	配置照片	199
10	電源線傳導干擾之量測	200
10.1	適用標準	200
10.2	量測方法	200
10.3	量測儀器	200
10.4	測試配置	200
10.5	干擾值之計算	200
10.6	量測結果	201
10.7	量測結果判定	204
10.8	配置照片	204
11	峰值傳導輸出功率量測及發射頻寬之要求	205
11.1	適用標準	205
11.2	量測方法	205
11.3	量測儀器	205
11.4	測試配置	205
11.5	量測結果	206
11.6	量測結果判定	240
12	功率頻譜密度之量測	241
12.1	適用標準	241
12.2	量測方法	241
12.3	量測儀器	241
12.4	測試配置	241
12.5	量測結果	242
12.6	量測結果判定	251
13	6 dB 頻寬之要求	252
13.1	適用標準	252

13.2	量測方法	252
13.3	量測儀器	252
13.4	測試配置	252
13.5	量測結果	253
13.6	量測結果判定	254
14	電波暴露量之評估	255
14.1	適用標準	255
14.2	評估方法	255
14.3	評估結果	256
15	檢測實驗室基本資料	257

報告發行紀錄

Issue No.	Description	Date Issued
RTBDQY-WTW-P21070082	Original release	110 年 12 月 29 日

證 明 書

發行日期：110 年 12 月 29 日

產 品 名 稱：802.11ax 無線路由器
廠 牌：Synology
型 號：RT6600ax
申 請 者：群暉科技股份有限公司
量 測 規 範：低功率射頻器材技術規範 LP0002 (訂定日期：109 年 7 月 1 日)
ANSI C63.10-2013

香港商立德國際商品試驗有限公司桃園分公司在此證明上述待測設備樣品一組(型號:RT6600ax)，收件日期 110 年 07 月 01 日，於 110 年 10 月 19 日至 110 年 11 月 22 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：



周 歆 穎 / 高級專員

， 日 期：

110 年 12 月 29 日

審 核 者：



林 炳 存 / 專案工程師

， 日 期：

110 年 12 月 29 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：群暉科技股份有限公司

製造廠商：EDIMAX Technology Co., Ltd

申請廠商地址：新北市板橋區遠東路 1 號 9 樓

廠牌：Synology

產品名稱：802.11ax 無線路由器

型號：RT6600ax

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

桃園市龜山區文化里華亞二路 19 號

量測單位地址：

桃園市龜山區文明路 70 號

量測單位認可編號：TAF 2021 (9kHz~40GHz)

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

ANSI C63.10-2013

WLAN 2.4GHz 頻段概要

項次	量測項目	規 範	量測結果判定
1	帶外發射	低功率射頻器材技術規範 4.10.1.5 節	合格
2	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	合格
3	6 dB 頻寬	低功率射頻器材技術規範 4.10.1.6 節	合格
4	峰值傳導輸出功率	低功率射頻器材技術規範 4.10.1.2 節	合格
5	功率頻譜密度	低功率射頻器材技術規範 4.10.1.6 節	合格

備註：量測結果之判定不考慮量測不確定度的貢獻。

WLAN 5.150~5.250GHz 頻段概要

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

備註：量測結果之判定不考慮量測不確定度的貢獻。

WLAN 5.250~5.350GHz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 5.7.3.2 節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範 5.7.3.2 節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻器材技術規範 5.7.7.1 及 5.7.7.2 節	合格 (註2)

備註:

1. 量測結果之判定不考慮量測不確定度的貢獻。
2. 量測結果請參考 DFS 報告 BV CPS No.: RTBDQY-WTW-P21070082-1。

WLAN 5.470~5.725GHz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5.7.3.2節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範5.7.3.2節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻器材技術規範5.7.7.1及5.7.7.2 節	合格 (註2)

備註:

1. 量測結果之判定不考慮量測不確定度的貢獻。
2. 量測結果請參考 DFS 報告 BV CPS No.: RTBDQY-WTW-P21070082-1。

WLAN 5.725~5.850GHz 頻段概要

項次	量測項目	規 範	量測結果判定
1	電源線傳導干擾	低功率射頻器材技術規範3.3節	合格
2	帶外發射	低功率射頻器材技術規範5.7.4節	合格
3	最大傳導輸出功率	低功率射頻器材技術規範5.7.3.3節	合格
4	最大功率頻譜密度	低功率射頻器材技術規範5.7.3.3節	合格
5	6dB 頻寬	低功率射頻器材技術規範5.7.5節	合格

備註: 量測結果之判定不考慮量測不確定度的貢獻。

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

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

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：	802.11ax 無線路由器
型號：	RT6600ax
額定電源：	12Vdc from adapter
測試軟體：	QSPR V5.0-00163
調變技術：	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/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 400Mbps (For 2.4G Band) 802.11n: up to 600Mbps (For 5G Band) 802.11ac: up to 3466.7Mbps (For 5G Band) 802.11ax: up to 574Mbps (2.4GHz Band) 802.11ax: up to 4804Mbps (5GHz Band)
載波頻率：	2.4GHz: 2412 ~ 2462MHz 5GHz: 5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz & 5745 ~ 5825MHz
頻道數：	2.4GHz: 802.11b, 802.11g, 802.11n (HT20), VHT20, 802.11ax (HE20): 11 802.11n (HT40), VHT40, 802.11ax (HE40): 7 5.0GHz: 5180 ~ 5240MHz: 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 5260 ~ 5320MHz: 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 5500 ~ 5720MHz: 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 12 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 6 802.11ac (VHT80), 802.11ax (HE80): 3 802.11ac (VHT160), 802.11ax (HE160): 1 5745 ~ 5825MHz: 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：	見註 2
天線種類：	見註 3
電源線類別：	見註 5
信號線類別：	見註 5
配件：	見註 5
Power Setting:	見註 7

註 1: 此待測物之技術的種類為4Tx /4Rx之組合。

Band	Modulation Mode	Beamforming Mode	TX Function
2.4GHz	802.11b	Not Support	2TX
	802.11g	Not Support	2TX
	802.11n (HT20)	Support	2TX
	802.11n (HT40)	Support	2TX
	VHT20	Support	2TX
	VHT40	Support	2TX
	802.11ax (HE20)	Support	2TX
	802.11ax (HE40)	Support	2TX
5GHz Band 1, 2	802.11a	Not Support	2TX
	802.11n (HT20)	Support	2TX
	802.11n (HT40)	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
5GHz Band 3, 4	802.11a	Not Support	4TX
	802.11n (HT20)	Support	4TX
	802.11n (HT40)	Support	4TX
	802.11ac (VHT20)	Support	4TX
	802.11ac (VHT40)	Support	4TX
	802.11ac (VHT80)	Support	4TX
	802.11ac (VHT160)	Support	4TX
	802.11ax (HE20)	Support	4TX
	802.11ax (HE40)	Support	4TX
	802.11ax (HE80)	Support	4TX
	802.11ax (HE160)	Support	4TX

* The bandwidth and modulation are similar for HT20/HT40 on 802.11n mode and VHT20/VHT40/VHT80/VHT160 on 802.11ac mode and HE20/HE40/HE80/HE160 on 802.11ax mode. Therefore the investigated worst case is the representative mode in test report. (Final test mode refer section 3.2.1)

* CDD mode is the worst case for final tests after pretesting CDD mode and Beamforming Mode mode except output power test.

註 2: 發射功率如下

Frequency Band (MHz)	Mode	發射功率 (dBm)	
		CDD	Beamforming
2412 ~ 2462MHz	802.11b	29.36	-
	802.11g	28.41	-
	802.11n (HT20)	28.22	25.21
	802.11n (HT40)	21.75	18.74
	802.11n (VHT20)	28.29	25.28
	802.11n (VHT40)	21.84	18.83
	802.11ax (HE20)	28.31	25.30
	802.11ax (HE40)	21.87	18.86
5180 ~ 5240MHz	802.11a	29.97	-
	802.11n (HT20)	28.55	25.54
	802.11n (HT40)	26.07	23.06
	802.11ac (VHT20)	28.60	25.59
	802.11ac (VHT40)	26.09	23.08
	802.11ac (VHT80)	23.08	20.07
	802.11ax (HE20)	28.66	25.65
	802.11ax (HE40)	26.12	23.11
	802.11ax (HE80)	23.11	20.10
5260 ~ 5320MHz	802.11a	23.71	-
	802.11n (HT20)	23.80	20.79
	802.11n (HT40)	23.75	20.74
	802.11ac (VHT20)	23.83	20.82
	802.11ac (VHT40)	23.77	20.76
	802.11ac (VHT80)	23.17	20.16
	802.11ax (HE20)	23.86	20.85
	802.11ax (HE40)	23.79	20.78
	802.11ax (HE80)	23.20	20.19

Frequency Band (MHz)	Mode	發射功率 (dBm)	
		CDD	Beamforming
5500 ~ 5720MHz	802.11a	21.71	-
	802.11n (HT20)	21.80	15.78
	802.11n (HT40)	23.83	17.81
	802.11ac (VHT20)	21.85	15.83
	802.11ac (VHT40)	23.85	17.83
	802.11ac (VHT80)	23.91	17.89
	802.11ac (VHT160)	18.88	12.86
	802.11ax (HE20)	21.89	15.87
	802.11ax (HE40)	23.88	17.86
	802.11ax (HE80)	23.94	17.92
	802.11ax (HE160)	18.90	12.88
5745 ~ 5825MHz	802.11a	29.22	-
	802.11n (HT20)	29.37	23.35
	802.11n (HT40)	29.70	23.68
	802.11ac (VHT20)	29.39	23.37
	802.11ac (VHT40)	29.72	23.70
	802.11ac (VHT80)	26.54	20.52
	802.11ax (HE20)	29.42	23.40
	802.11ax (HE40)	29.75	23.73
	802.11ax (HE80)	26.57	20.55

註 3: 此待測設備搭配測試的天線，其資料如下：

No.	廠牌/製造商	型號	天線型式	接頭型式	Gain (dBi)		
					2412-2462MHz	5180-5320MHz	5500-5825MHz
1	LYNwave	ALX21X-221031-00	Dipole	ipex(MHF)	2.00	3.00	-
2	LYNwave	ALX21X-221032-00	Dipole	ipex(MHF)	2.00	3.00	-
3	LYNwave	ALX21X-221033-00	Dipole	ipex(MHF)	-	-	3.00
4	LYNwave	ALX21X-221034-00	Dipole	ipex(MHF)	-	-	3.00
5	LYNwave	ALX21X-221035-00	Dipole	ipex(MHF)	-	-	3.00
6	LYNwave	ALX21X-221036-00	Dipole	ipex(MHF)	-	-	3.00

*上述天線的規格資訊由申請者聲明，實驗室不承擔任何責任。

註 4: There are three radios for the EUT.

Radio	Brand	Model	Function	TX/RX Function
1	Qualcomm	QCN5022	2412 ~ 2462MHz	2x2
2	Qualcomm	QCN5052	5180 ~ 5240MHz 5260 ~ 5320MHz	2x2
3	Qualcomm	QCN9024	5500 ~ 5720MHz 5745 ~ 5825MHz	4x4

註 5: 此產品搭配使用之配件如下：

*本案經申請者提供隨貨配件與實驗室提供測試配件併同檢驗。產品及隨貨配件之照片請參照 BV CPS 報告編號：BDQY-WTW-P21070082，測試配件之照片請參照 BV CPS 報告編號：BDQY-WTW-P21070082_SU，測試設置照片請參照 BV CPS 報告編號：BDQY-WTW-P21070082_TSup。

隨貨配件			
配件	廠牌/製造商	型號	規格
Adapter	CWT	2AEJ042FC	Input: 100-240Vac, 50-60Hz, 1.3A Output: 12Vdc, 3.5A, 42.0W 1.5m cable without core attached on adapter
LAN Cable	啟悅	4105-00000153-01Z	0.93m non-shielded without core

測試配件				
配件	廠牌/製造商	型號	規格	備註
LAN cable	AMP NETCONNECT	RN11060081	1.5m non-shielded without core	實驗室提供
LAN cable	AMP NETCONNECT	RN11060081	6m non-shielded without core	實驗室提供

註 6: 此報告中，經過評估後以下列測試模式進行最終量測。

載波頻率	量測項目	發射	接收
2412 ~ 2462MHz			
場強輻射量測	1GHz 以上量測	2TX 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	2TX 802.11b: Ch 6
	其它不必要之訊號	2TX 802.11b: Ch 6	
電源線傳導干擾		2TX 802.11b: Ch 6	
5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5720MHz & 5745 ~ 5825MHz			
場強輻射量測	1GHz 以上量測	2TX 802.11a: Ch 36, 40, 48, 52, 60, 64 802.11ax (HE20): Ch 36, 40, 48, 52, 60, 64 802.11ax (HE40): Ch 38, 46, 54, 62 802.11ax (HE80): Ch 42, 58 4TX 802.11a: Ch 100, 116, 140, 144, 149, 157, 165 802.11ax (HE20): Ch 100, 116, 140, 144, 149, 157, 165 802.11ax (HE40): Ch 102, 110, 134, 142, 151, 159 802.11ax (HE80): Ch 106, 122, 138, 155 802.11ax (HE160): Ch 114	2TX 802.11a: Ch 48 4TX 802.11ax (HE40): Ch 159
	其它不必要之訊號	2TX 802.11a: Ch 48 4TX 802.11ax (HE40): Ch 159	
電源線傳導干擾		2TX 802.11a: Ch 48 4TX 802.11ax (HE40): Ch 159	

註 7: Power Setting as below.

CDD Mode									
	802.11b	802.11g	802.11n (HT20)	VHT20	802.11ax (HE20)		802.11n (HT40)	VHT40	802.11ax (HE40)
CH 1	23	21	21.5	21.5	21.5	CH 3	18	18	18
CH 6	26	25	25.5	25.5	25.5	CH 6	18.5	18.5	18.5
CH 11	23	20	21.5	21.5	21.5	CH 9	17	17	17

Beamforming Mode							
	802.11n (HT20)	VHT20	802.11ax (HE20)		802.11n (HT40)	VHT40	802.11ax (HE40)
CH 1	18.5	18.5	18.5	CH 3	15	15	15
CH 6	22.5	22.5	22.2	CH 6	15.5	15.5	15.5
CH 11	18.5	18.5	18.5	CH 9	14	14	14

CDD Mode														
	802.11a	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)		802.11ac (VHT80)	802.11ax (HE80)		802.11ac (VHT160)	802.11ax (HE160)
CH 36	22.5	23	23	23	CH 38	20.5	20.5	20.5	CH 42	20	20	CH 114	12	12
CH 40	25	25	25	25	CH 46	23	23	23	CH 58	20	20			
CH 48	27	26	26	26	CH 54	20.5	20.5	20.5	CH 106	14	14			
CH 52	20.5	21	21	21	CH 62	20	20	20	CH 122	17	17			
CH 60	20	21	21	21	CH 102	17	17	17	CH 138	17	17			
CH 64	20	21	21	21	CH 110	17	17	17	CH 155	20	20			
CH 100	14.5	15	15	15	CH 134	17	17	17						
CH 116	14.5	15	15	15	CH 142	17	17	17						
CH 140	15	15	15	15	CH 151	24	24	24						
CH 144	15	15	15	15	CH 159	24	24	24						
CH 149	25	25	25	25										
CH 157	25	25	25	25										
CH 165	25	25	25	25										
Beamforming Mode														
	802.11n (HT20)	802.11ac (VHT20)	802.11ax (HE20)		802.11n (HT40)	802.11ac (VHT40)	802.11ax (HE40)		802.11ac (VHT80)	802.11ax (HE80)		802.11ac (VHT160)	802.11ax (HE160)	
CH 36	20	20	20	CH 38	17.5	17.5	17.5	CH 42	17	17	CH 114	6	6	
CH 40	22	22	22	CH 46	20	20	20	CH 58	17	17				
CH 48	23	23	23	CH 54	17.5	17.5	17.5	CH 106	8	8				
CH 52	18	18	18	CH 62	17	17	17	CH 122	11	11				
CH 60	18	18	18	CH 102	11	11	11	CH 138	11	11				
CH 64	18	18	18	CH 110	11	11	11	CH 155	14	14				
CH 100	9	9	9	CH 134	11	11	11							
CH 116	9	9	9	CH 142	11	11	11							
CH 140	9	9	9	CH 151	18	18	18							
CH 144	9	9	9	CH 159	18	18	18							
CH 149	19	19	19											
CH 157	19	19	19											
CH 165	19	19	19											

註 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。

註 9: 此待測設備，經預測三個正交軸方位評估測試擺設方式：平躺、側放、垂直，其中以側放為最大干擾值之位置，故各自以該最大干擾值之擺放方式進行最終量測，並將測試結果紀錄。

註 10: Duty cycle of test signal.

2.4GHz Band:

2TX

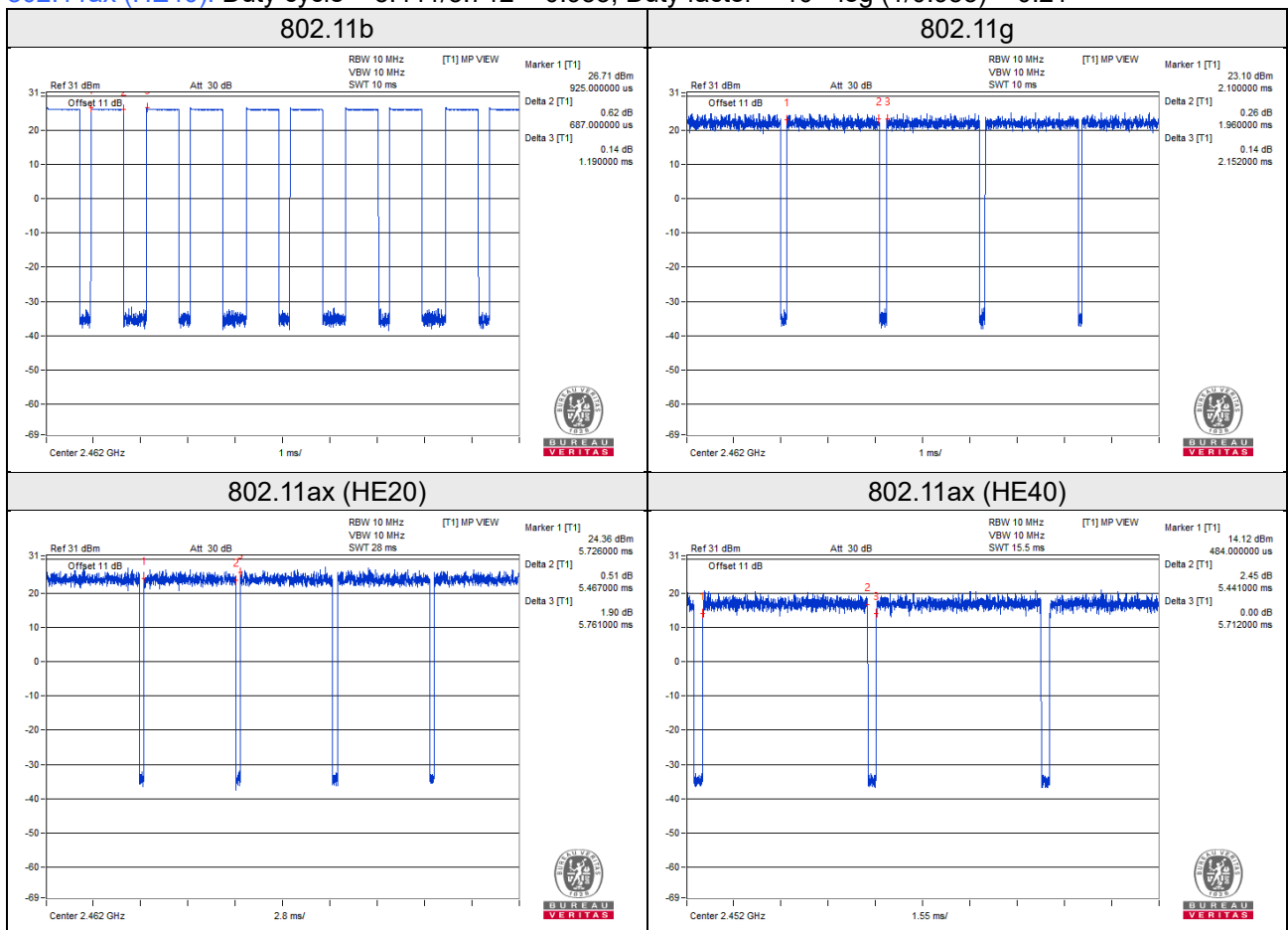
Duty cycle of test signal is < 98%, duty factor is required.

802.11b: Duty cycle = $0.687/1.190 = 0.577$, Duty factor = $10 * \log(1/0.577) = 2.39$

802.11g: Duty cycle = $1.960/2.152 = 0.911$, Duty factor = $10 * \log(1/0.911) = 0.41$

802.11ax (HE20): Duty cycle = $5.467/5.761 = 0.949$, Duty factor = $10 * \log(1/0.949) = 0.23$

802.11ax (HE40): Duty cycle = $5.441/5.712 = 0.953$, Duty factor = $10 * \log(1/0.953) = 0.21$



5GHz Band:

2TX

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

802.11a: Duty cycle = $1.960/2.140 = 0.916$, Duty factor = $10 * \log(1/0.916) = 0.38$

802.11ax (HE20): Duty cycle = $5.425/5.730 = 0.947$, Duty factor = $10 * \log(1/0.947) = 0.24$

802.11ax (HE40): Duty cycle = $5.405/5.730 = 0.943$, Duty factor = $10 * \log(1/0.943) = 0.25$

802.11ax (HE80): Duty cycle = $5.415/5.805 = 0.933$, Duty factor = $10 * \log(1/0.933) = 0.30$



4TX

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

802.11a: Duty cycle = $1.967/2.092 = 0.940$, Duty factor = $10 * \log(1/0.940) = 0.27$

802.11ax (HE20): Duty cycle = $5.430/5.895 = 0.921$, Duty factor = $10 * \log(1/0.921) = 0.36$

802.11ax (HE40): Duty cycle = $5.430/5.853 = 0.928$, Duty factor = $10 * \log(1/0.928) = 0.33$

802.11ax (HE80): Duty cycle = $5.395/5.875 = 0.918$, Duty factor = $10 * \log(1/0.918) = 0.37$

802.11ax (HE160): Duty cycle = $5.363/6.313 = 0.850$, Duty factor = $11 * \log(1/0.850) = 0.71$



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g, 802.11n (HT20), VHT20, 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), VHT40, 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		

5GHz 频段:

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 MHz	120	5600 MHz
40	5200 MHz	124	5620 MHz
44	5220 MHz	128	5640 MHz
48	5240 MHz	132	5660 MHz
52	5260 MHz	136	5680 MHz
56	5280 MHz	140	5700 MHz
60	5300 MHz	144	5720 MHz
64	5320 MHz	149	5745 MHz
100	5500 MHz	153	5765 MHz
104	5520 MHz	157	5785 MHz
108	5540 MHz	161	5805 MHz
112	5560 MHz	165	5825 MHz
116	5580 MHz		

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 MHz	118	5590 MHz
46	5230 MHz	126	5630 MHz
54	5270 MHz	134	5670 MHz
62	5310 MHz	142	5710 MHz
102	5510 MHz	151	5755 MHz
110	5550 MHz	159	5795 MHz

802.11ac (VHT80), 802.11ax (HE80):

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
42	5210 MHz	122	5610 MHz
58	5290 MHz	138	5690 MHz
106	5530 MHz	155	5775 MHz

802.11ac (VHT160), 802.11ax (HE160):

頻道	對應頻率 (MHz)
114	5570 MHz

詳細之規格請參考使用說明書，產品的照片請參照BV CPS報告編號：BDQY-WTW-P21070082。

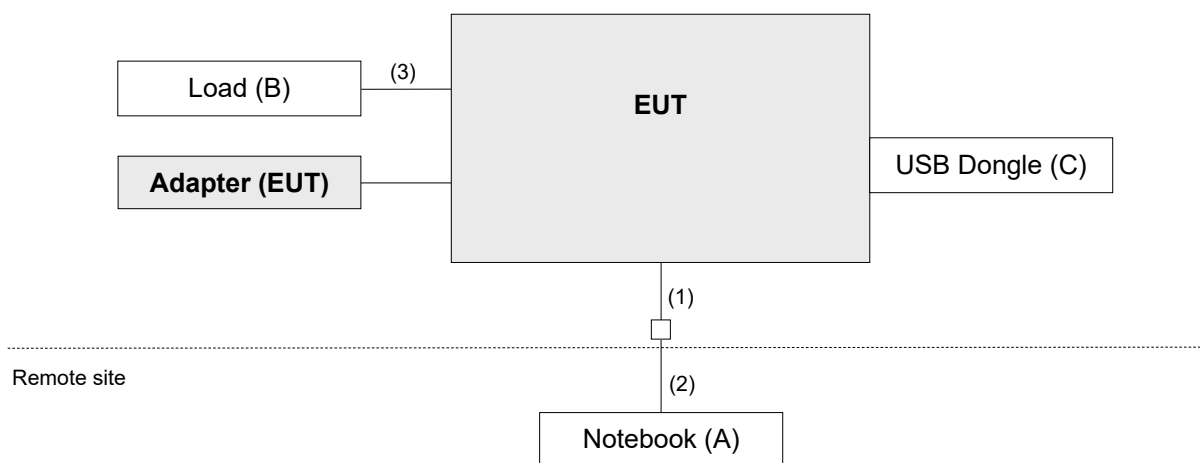
2.2 輔助測試之週邊設備描述

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Notebook	DELL	E5430	2RL3YW1	FCC DoC Approved	由實驗室提供
B.	Load	NA	NA	NA	FCC DoC Approved	由實驗室提供
C.	USB Dongle	D-Link	DWM-157	RD0S1F9000417	NA	由實驗室提供

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	LAN Cable	1	0.93	N	0	RJ45, Cat5e 由申請者提供 隨貨配件
2.	LAN Cable	1	6	N	0	RJ45, Cat5e 由實驗室提供 測試配件
3.	LAN Cable	4	1.5	N	0	RJ45, Cat5e 由實驗室提供 測試配件

2.3 測試架構圖



3 適用規範

3.1 規範要求和參考

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻器材技術規範之 3.3 節，電源傳導干擾之限制要求如下：

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

(註)：隨頻率之對數遞減。

(2) 帶外發射之規定

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻器材技術規範4.10.1.5節之要求，操作頻帶範圍外之任意100 kHz 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之100 kHz 內的射頻功率，其衰減值限制如下：(1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減20 dB，可使用射頻傳導或輻射方式測量。(2) 輸出功率以4.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減30 dB。

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

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.1節之要求，帶外發射之有效等向輻射功率(EIRP) $\leq$ 27 dBm/MHz。

(III) 操作於 5.725 GHz~5.850 GHz 頻段:

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.2節之要求，所有頻帶邊緣向外5 MHz 內頻率之發射，有效等向輻射功率(EIRP) $\leq$ 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) $\leq$ 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) $\leq$ 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 $\geq$ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) $\leq$ 27 dBm/MHz；有關遮罩限制值詳圖1。

在5.725 GHz~5.850 GHz 頻段操作且天線增益大於10dBi 之設備於106 年3 月2日前得適用4.10.1.5 帶外發射限制；在5.725 GHz~5.850 GHz 頻段操作且天線增益小於等於10dBi之設備於107年3月2 日前得適用4.10.1.5帶外發射限制規定。

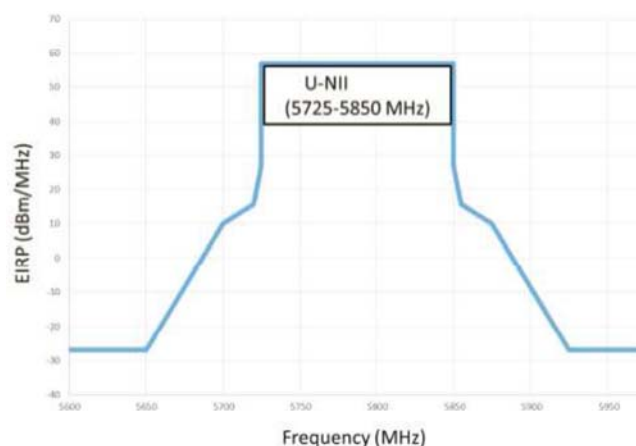


圖 1

在 1 GHz 以下不必要之發射，應符合 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：

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

(A) 進行固定式點對點操作時，其發射天線之方向性增益超過 6 dBi，每超過 3 dBi，最大傳導輸出功率限制值應降低 1 dB。

(B) 天線以多向波束發射方式(含同時發射或循序發射)將訊號導向多個接收機或接收機群組時，應符合下列規定：

(a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合 4.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過 6 dBi，每超過 3 dBi，總和傳導輸出功率限制值應降低 1 dB。方向性增益值應計算如下：

(i) 方向性增益值 = $10\log(\text{天線陣列之單元數目}) + \text{各單元中最高之方向性增益值}$ 。

(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。

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

(A) 供戶外操作使用：使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。在水平面仰角超過 30 度時，其最大 EIRP 應小於或等於 21 dBm。

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

(C) 供固定式點對點操作使用：使用超過 23 dBi 方向增益之指向性天線時，應依超過 23 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(D) 供用戶端裝置(Client Device)操作使用：使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

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

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

- (IV) 操作於 5.725 GHz~5.850 GHz 頻段:
- (A) 供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (B) 除(A)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (5) 6dB 頻寬之要求
- (I) 操作於 2400 MHz~2483.5 MHz 頻段：
- 對使用數位調變技術(digital modulation techniques)系統之低功率發射機，依據國家通訊傳播委員會低功率射頻器材技術規範4.10.1.6節之規定，6dB頻寬至少應有500kHz。
- (II) 操作於 5.725 GHz~5.850 GHz 頻段：
- 依據國家通訊傳播委員會低功率射頻器材技術規範5.7.5節之規定，其6dB頻寬至少應有500kHz。
- (6) 傳導輸出功率之要求
- (I) 操作於 2.4000~2.4835 GHz band:
- 依據國家通訊傳播委員會低功率射頻器材技術規範4.10.1.2節之規定：
- 數位調變技術系統：1 W(含)以下。
- (II) 操作於 5.15 GHz~5.25 GHz 頻段：
- 依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.1節之要求：
- (A) 供戶外操作使用/供室內操作使用/供固定式點對點操作使用：最大傳導輸出功率應小於或等於1 W。
- (B) 供用戶端裝置(Client Device)操作使用：最大傳導輸出功率應小於或等於250 mW。
- (III) 操作於 5.25 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段：
- 依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定，最大傳導輸出功率應小於或等於250 mW或11dBm+10log B (B是26 dB發射頻寬，單位MHz)之較小者。
- (IV) 操作於 5.725 GHz~5.850 GHz 頻段：
- 依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.3節之規定，最大傳導輸出功率應小於或等於1 W。
- (7) 功率頻譜密度之要求
- (I) 操作於 2.4000~2.4835 GHz band:
- 依據國家通訊傳播委員會低功率射頻器材技術規範4.10.1.6節之規定，在使用頻率範圍之任一3 kHz 頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於8 毫分貝(dBm)，且應依4.10.1.3 之方式降低功率頻譜密度限制值。
- (II) 操作於 5.15 GHz~5.25 GHz 頻段：
- 依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.1節之要求：
- (A) 供戶外操作使用/供室內操作使用/供固定式點對點操作使用：在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。
- (B) 供用戶端裝置(Client Device)操作使用：在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。
- (III) 操作於 5.25 GHz~5.35 GHz 及 5.470 GHz ~5.725 GHz 頻段：
- 依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定，最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。
- (IV) 操作於 5.725 GHz~5.850 GHz 頻段：
- 依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.3節之規定，在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

(8) 發射功率控制(TPC)及動態頻率選擇(DFS)之要求

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.7.1 及 5.7.7.2 節之規定。

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

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

(1) 最低動態頻率選擇的偵測門檻

(A) 最大EIRP 為200 mW~1 W之設備，其最低動態頻率選擇的偵測門檻值為-64dBm。

(B) 最大EIRP 低於200 mW，且功率頻譜密度小於10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-62 dBm。

(C) 最大EIRP 低於200 mW，且功率頻譜密度大於或等於10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-64 dBm。

(D) 此偵測門檻值為1 微秒內之平均接收功率，並以0 dBi 天線為參考基準。頻道初始設定得由系統隨機選取或使用使用者手動選取。

(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 - 1.34	614	1.63	*100	30
1.34 - 30	824/f	2.19/f	*180/f ²	30
30 - 300	27.5	0.073	0.2	30
300 - 1,500	---	---	f/1500	30
1,500 - 100,000	---	---	1.0	30

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：百萬赫(MHz)。

參考國際標準指南

KDB 558074

KDB 662911

KDB 789033

KDB 905462

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	

2.4GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告3.1節第2項(I)的規定。

4.2 量測方法

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

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

4.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Test Receiver Rohde & Schwarz	ESR3	102783	Dec. 21, 2020	Dec. 20, 2021
Spectrum Analyzer KEYSIGHT	N9020B	MY60110513	Dec. 21, 2020	Dec. 20, 2021
BILOG Antenna SCHWARZBECK	VULB9168	1214	Nov. 04, 2020	Nov. 03, 2021
			Oct. 28, 2021	Oct. 27, 2022
HORN Antenna RF SPIN	DRH18-E	210104A18E	Jan. 08, 2021	Jan. 07, 2022
HORN Antenna SCHWARZBECK	BBHA 9170	9170-1049	Dec. 09, 2020	Dec. 08, 2021
Preamplifier EMCI	EMC330N	980798	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC118A45SE	980809	Jan. 12, 2021	Jan. 11, 2022
Preamplifier EMCI	EMC184045SE	980786	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC104-SM-SM-(9 000+2000+1000)	201244+ 201232+ 210103	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMCCFD400-NM-N M-(9000+300+500)	201251+ 201249+ 201248	Jan. 12, 2021	Jan. 11, 2022
RF signal cable EMCI	EMC101G-KM-KM- (5000+3000+2000)	201261+201258+2 01249	Jan. 12, 2021	Jan. 11, 2022
Software BV ADT	ADT_Radiated_V7. 6.15.9.5	NA	NA	NA
Antenna Tower Max-Full	MFA-515BSN	NA	NA	NA
Turn Table Max-Full	MFT-201SS	NA	NA	NA
Turn Table Controller Max-Full	MF-7802BS	MF780208676	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.

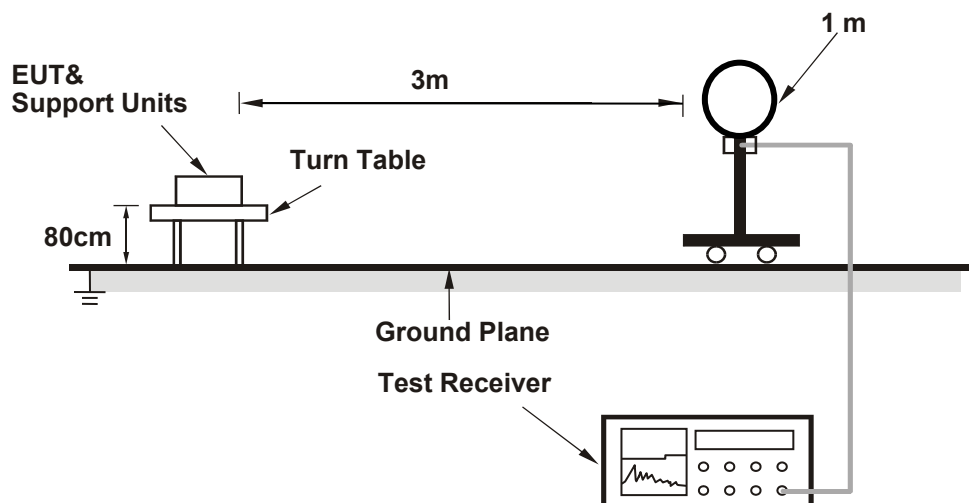
2. The test was performed in WM Chamber 9.

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.

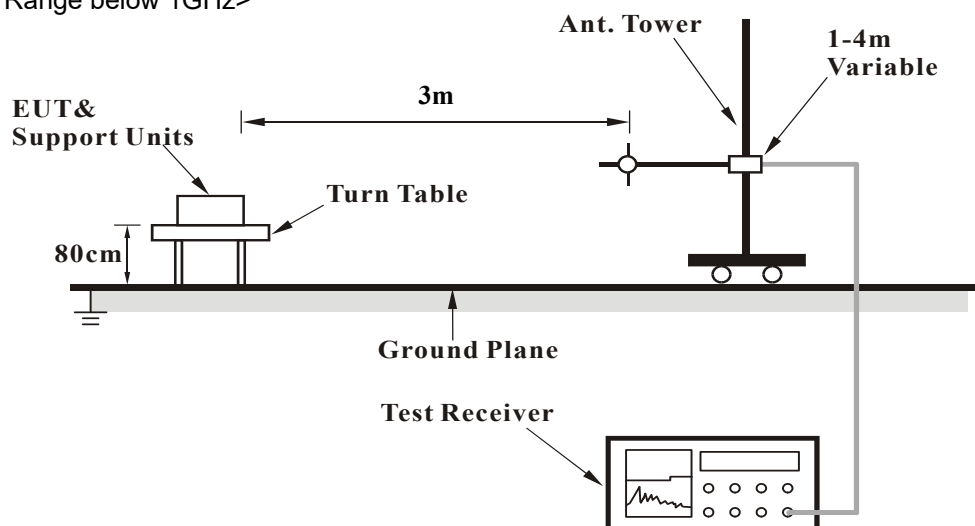
Measurement	Frequency	Uncertainty
Radiated emissions	9kHz ~ 30MHz	3.00 dB
	30MHz ~ 200MHz	2.91 dB
	200MHz ~ 1000MHz	2.93 dB
	1GHz ~ 18GHz	1.76 dB
	18GHz ~ 40GHz	1.77 dB

4.4 測試配置

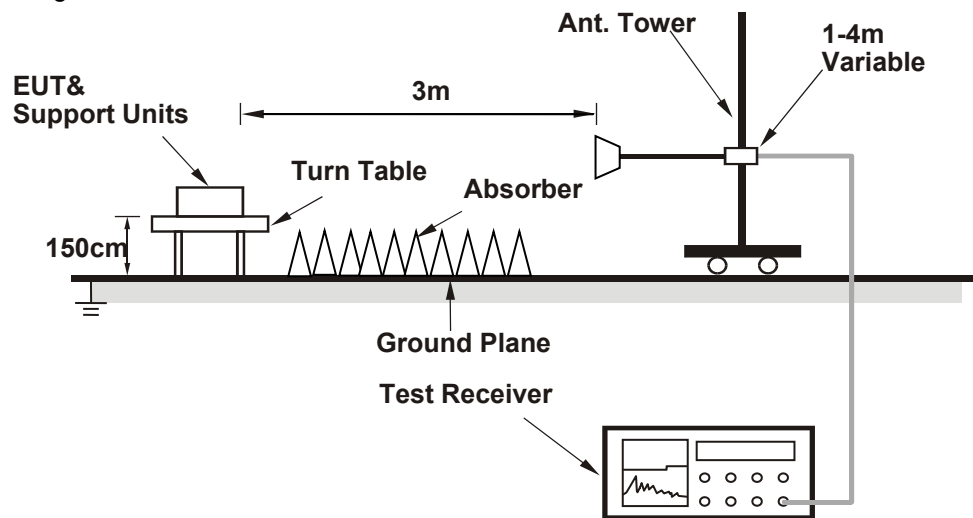
<Frequency Range below 30MHz>



<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



4.5 場強度之計算

場強之計算公式如下：

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

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

量測結果請見下頁。

4.6 量測結果

4.6.1 發射諧波

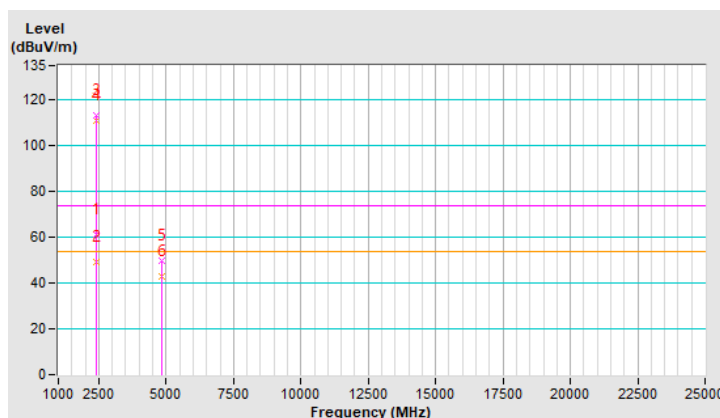
2TX

操作模式：	發射 802.11b	調變技術：	DSSS-MIMO
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：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 19 日	測試者：	李桓輔

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	61.4 PK	74.0	-12.6	1.85 H	202	29.7	31.7
2	2390.00	49.1 AV	54.0	-4.9	1.85 H	202	17.4	31.7
3	*2412.00	113.5 PK			1.85 H	202	81.7	31.8
4	*2412.00	111.0 AV			1.85 H	202	79.2	31.8
5	4824.00	49.8 PK	74.0	-24.2	2.69 H	7	45.9	3.9
6	4824.00	42.9 AV	54.0	-11.1	2.69 H	7	39.0	3.9
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.

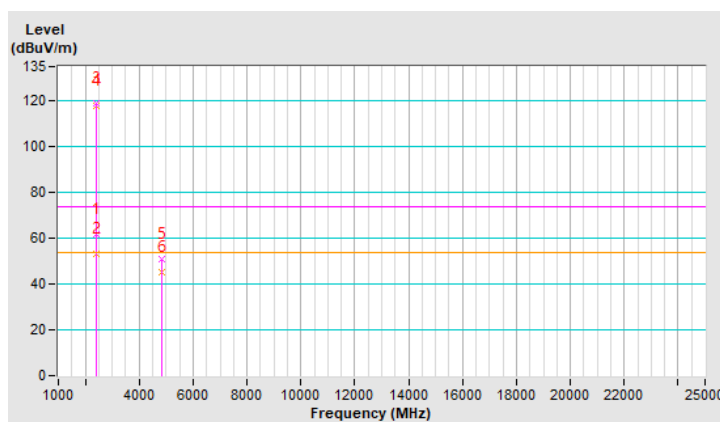


操作模式：	發射 802.11b	調變技術：	DSSS-MIMO
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 19 日	測試者：	李桓輔

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	62.0 PK	74.0	-12.0	2.06 V	315	30.3	31.7
2	2390.00	53.3 AV	54.0	-0.7	2.06 V	315	21.6	31.7
3	*2412.00	119.1 PK			2.06 V	315	87.3	31.8
4	*2412.00	117.9 AV			2.06 V	315	86.1	31.8
5	4824.00	51.1 PK	74.0	-22.9	1.72 V	300	47.2	3.9
6	4824.00	45.2 AV	54.0	-8.8	1.72 V	300	41.3	3.9
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.

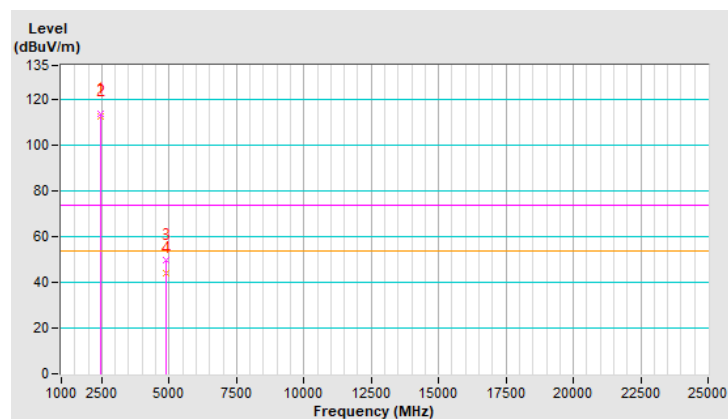


操作模式：	發射 802.11b	調變技術：	DSSS-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 19 日	測試者：	李桓輔

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	113.9 PK			3.71 H	181	82.1	31.8
2	*2437.00	112.7 AV			3.71 H	181	80.9	31.8
3	4874.00	49.5 PK	74.0	-24.5	2.23 H	33	45.5	4.0
4	4874.00	44.2 AV	54.0	-9.8	2.23 H	33	40.2	4.0
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.

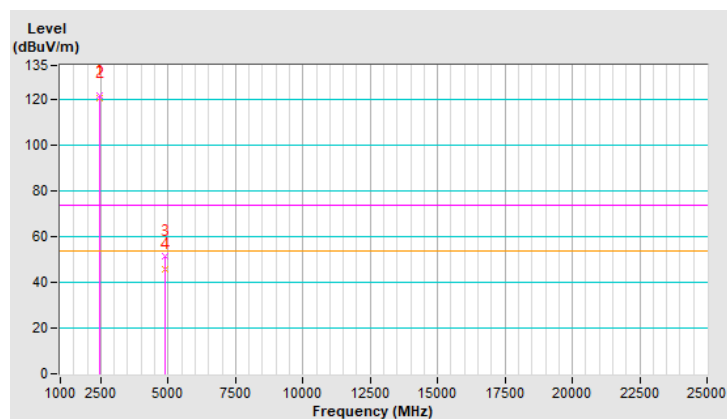


操作模式：	發射 802.11b	調變技術：	DSSS-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 19 日	測試者：	李桓輔

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	121.9 PK			2.02 V	318	90.1	31.8
2	*2437.00	120.6 AV			2.02 V	318	88.8	31.8
3	4874.00	51.4 PK	74.0	-22.6	1.71 V	318	47.4	4.0
4	4874.00	45.6 AV	54.0	-8.4	1.71 V	318	41.6	4.0
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.

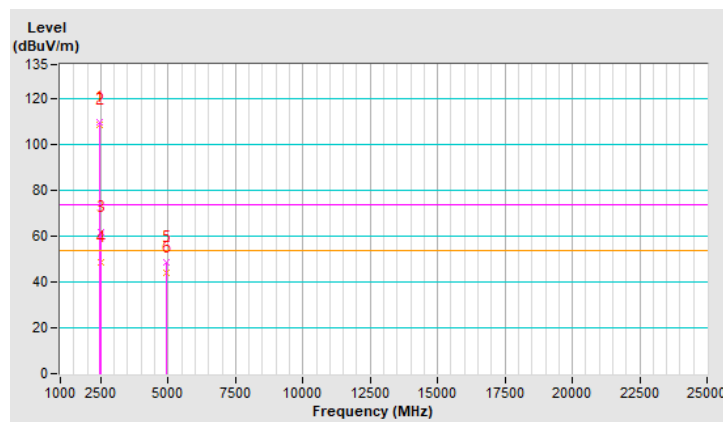


操作模式：	發射 802.11b	調變技術：	DSSS-MIMO
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 19 日	測試者：	李桓輔

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	110.0 PK			2.37 H	205	78.1	31.9
2	*2462.00	108.8 AV			2.37 H	205	76.9	31.9
3	2483.50	61.5 PK	74.0	-12.5	2.37 H	205	29.6	31.9
4	2483.50	48.7 AV	54.0	-5.3	2.37 H	205	16.8	31.9
5	4924.00	48.8 PK	74.0	-25.2	2.49 H	26	44.6	4.2
6	4924.00	44.1 AV	54.0	-9.9	2.49 H	26	39.9	4.2
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.

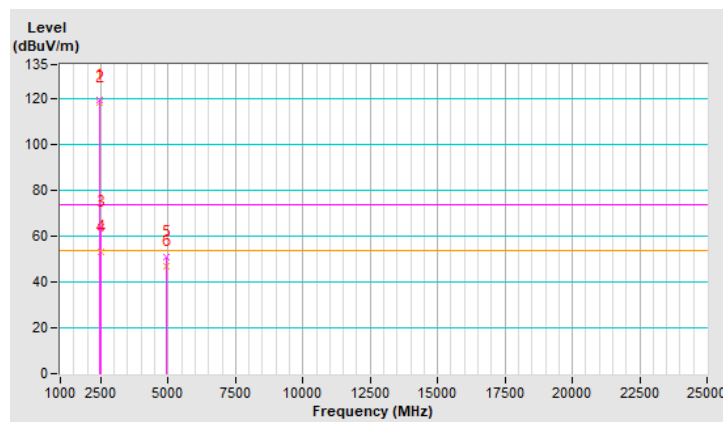


操作模式：	發射 802.11b	調變技術：	DSSS-MIMO
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 19 日	測試者：	李桓輔

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	119.4 PK			1.96 V	320	87.5	31.9
2	*2462.00	118.2 AV			1.96 V	320	86.3	31.9
3	2483.50	63.9 PK	74.0	-10.1	1.96 V	320	32.0	31.9
4	2483.50	53.4 AV	54.0	-0.6	1.96 V	320	21.5	31.9
5	4924.00	51.1 PK	74.0	-22.9	1.64 V	299	46.9	4.2
6	4924.00	46.9 AV	54.0	-7.1	1.64 V	299	42.7	4.2
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.

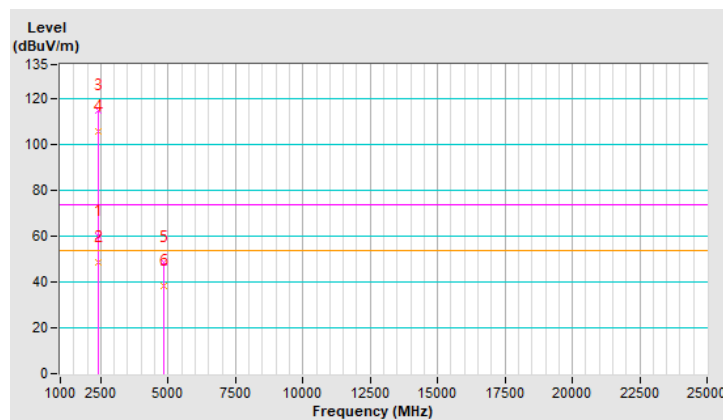


操作模式：	發射 802.11g	調變技術：	OFDM-MIMO
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	60.3 PK	74.0	-13.7	1.70 H	143	28.6	31.7
2	2390.00	48.7 AV	54.0	-5.3	1.70 H	143	17.0	31.7
3	*2412.00	114.9 PK			1.70 H	143	83.1	31.8
4	*2412.00	105.7 AV			1.70 H	143	73.9	31.8
5	4824.00	48.4 PK	74.0	-25.6	2.31 H	28	44.5	3.9
6	4824.00	38.1 AV	54.0	-15.9	2.31 H	28	34.2	3.9
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.

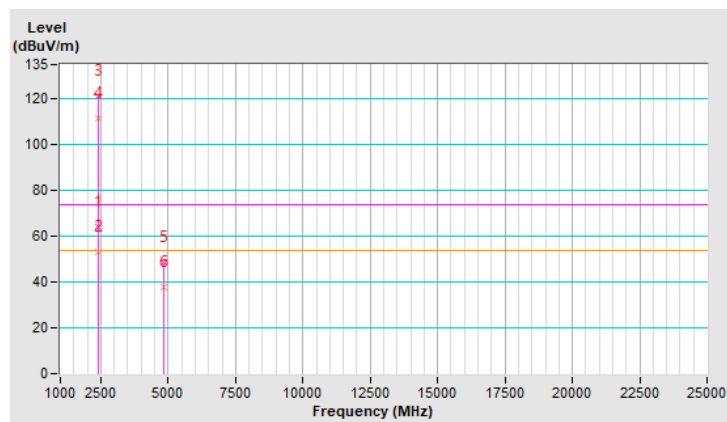


操作模式：	發射 802.11g	調變技術：	OFDM-MIMO
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	2.27 V	21	32.6	31.7
2	2390.00	53.1 AV	54.0	-0.9	2.27 V	21	21.4	31.7
3	*2412.00	121.0 PK			2.27 V	21	89.2	31.8
4	*2412.00	111.8 AV			2.27 V	21	80.0	31.8
5	4824.00	48.7 PK	74.0	-25.3	1.35 V	70	44.8	3.9
6	4824.00	38.0 AV	54.0	-16.0	1.35 V	70	34.1	3.9
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.

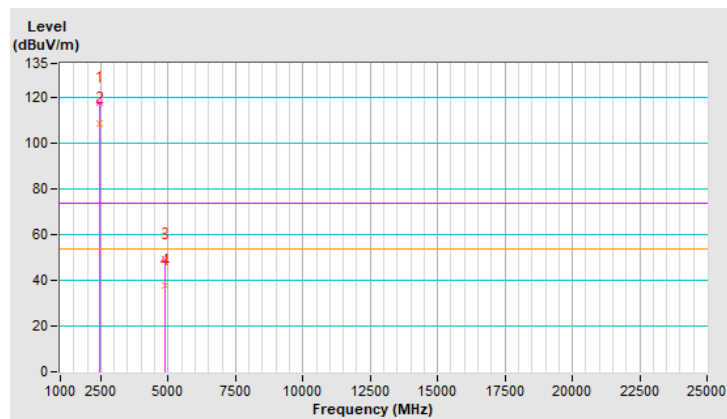


操作模式：	發射 802.11g	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	118.1 PK			1.63 H	144	86.3	31.8
2	*2437.00	108.9 AV			1.63 H	144	77.1	31.8
3	4874.00	49.0 PK	74.0	-25.0	2.33 H	32	45.0	4.0
4	4874.00	38.0 AV	54.0	-16.0	2.33 H	32	34.0	4.0
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.

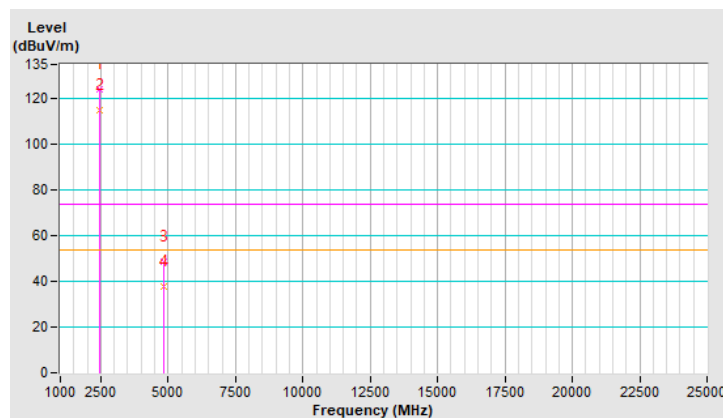


操作模式：	發射 802.11g	調變技術：	OFDM-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	124.4 PK			2.01 V	24	92.6	31.8
2	*2437.00	115.1 AV			2.01 V	24	83.3	31.8
3	4837.00	48.7 PK	74.0	-25.3	1.38 V	75	44.7	4.0
4	4837.00	37.5 AV	54.0	-16.5	1.38 V	75	33.5	4.0
5	4874.00	-	-	-	-	-	-	-
6	7311.00	-	-	-	-	-	-	-
7	#9748.00	-	-	-	-	-	-	-
8	12185.00	-	-	-	-	-	-	-
9	#14622.00	-	-	-	-	-	-	-
10	#17059.00	-	-	-	-	-	-	-
11	19496.00	-	-	-	-	-	-	-
12	#21933.00	-	-	-	-	-	-	-
13	#24370.00	-	-	-	-	-	-	-

Remarks:

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

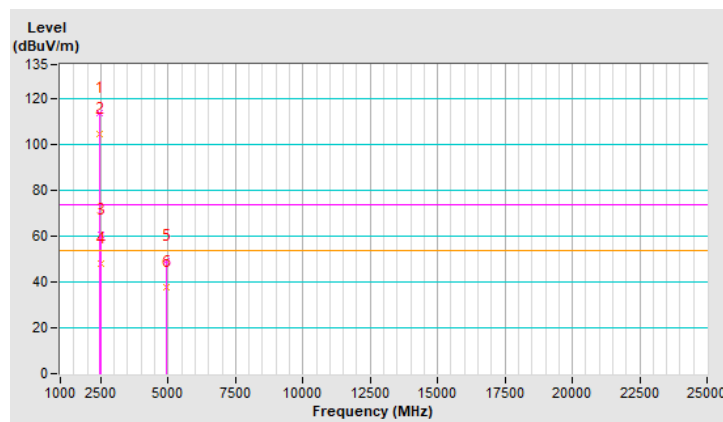


操作模式：	發射 802.11g	調變技術：	OFDM-MIMO
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	114.1 PK			1.52 H	140	82.2	31.9
2	*2462.00	104.8 AV			1.52 H	140	72.9	31.9
3	2483.50	60.7 PK	74.0	-13.3	1.52 H	140	28.8	31.9
4	2483.50	48.1 AV	54.0	-5.9	1.52 H	140	16.2	31.9
5	4924.00	49.0 PK	74.0	-25.0	2.36 H	29	44.8	4.2
6	4924.00	37.7 AV	54.0	-16.3	2.36 H	29	33.5	4.2
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.

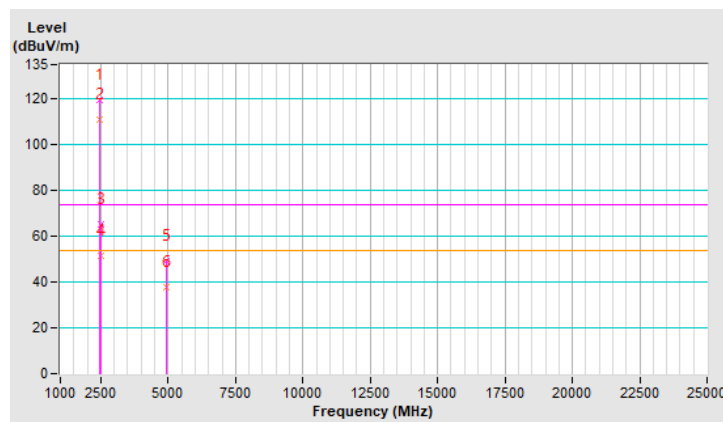


操作模式：	發射 802.11g	調變技術：	OFDM-MIMO
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	119.7 PK			2.18 V	13	87.8	31.9
2	*2462.00	110.8 AV			2.18 V	13	78.9	31.9
3	2483.50	65.0 PK	74.0	-9.0	2.18 V	13	33.1	31.9
4	2483.50	51.5 AV	54.0	-2.5	2.18 V	13	19.6	31.9
5	4924.00	49.4 PK	74.0	-24.6	1.30 V	76	45.2	4.2
6	4924.00	37.6 AV	54.0	-16.4	1.30 V	76	33.4	4.2
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.

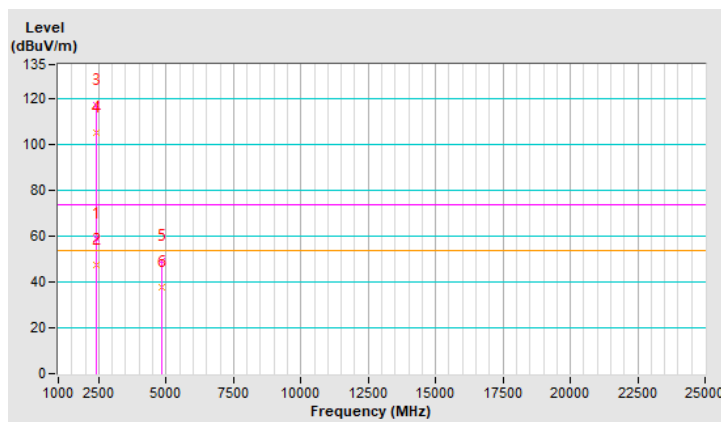


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	59.0 PK	74.0	-15.0	1.45 H	145	27.3	31.7
2	2390.00	47.6 AV	54.0	-6.4	1.45 H	145	15.9	31.7
3	*2412.00	117.4 PK			1.45 H	145	85.6	31.8
4	*2412.00	105.1 AV			1.45 H	145	73.3	31.8
5	4824.00	49.0 PK	74.0	-25.0	2.42 H	20	45.1	3.9
6	4824.00	38.0 AV	54.0	-16.0	2.42 H	20	34.1	3.9
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.

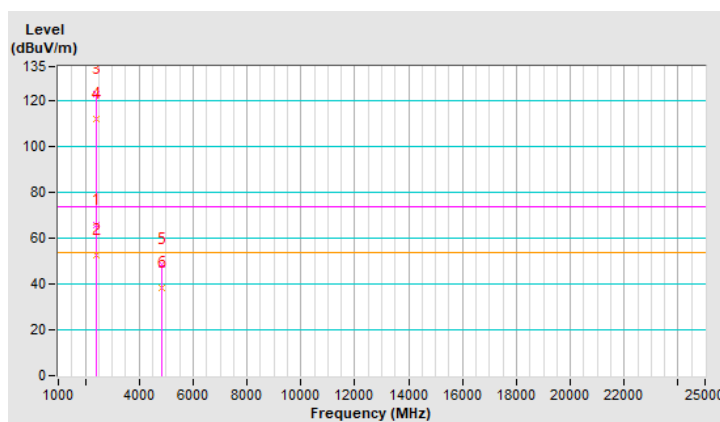


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	65.8 PK	74.0	-8.2	2.30 V	22	34.1	31.7
2	2390.00	52.7 AV	54.0	-1.3	2.30 V	22	21.0	31.7
3	*2412.00	122.8 PK			2.30 V	22	91.0	31.8
4	*2412.00	112.0 AV			2.30 V	22	80.2	31.8
5	4824.00	48.6 PK	74.0	-25.4	1.33 V	72	44.7	3.9
6	4824.00	38.1 AV	54.0	-15.9	1.33 V	72	34.2	3.9
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.

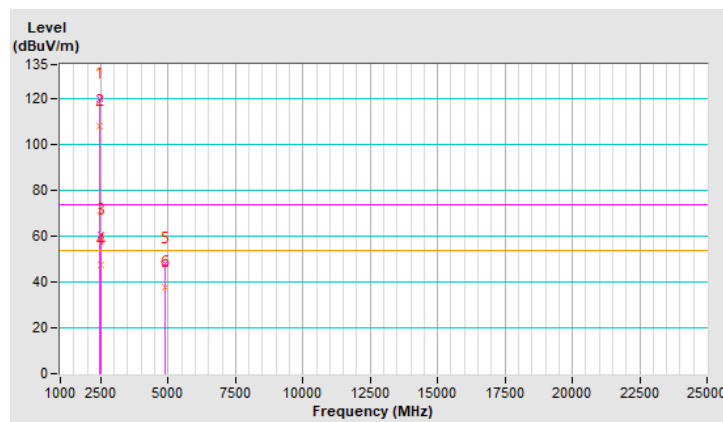


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	120.2 PK			1.59 H	140	88.4	31.8
2	*2437.00	108.1 AV			1.59 H	140	76.3	31.8
3	2483.50	60.7 PK	74.0	-13.3	1.59 H	140	28.8	31.9
4	2483.50	47.6 AV	54.0	-6.4	1.59 H	140	15.7	31.9
5	4874.00	48.0 PK	74.0	-26.0	2.28 H	20	44.0	4.0
6	4874.00	37.6 AV	54.0	-16.4	2.28 H	20	33.6	4.0
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.

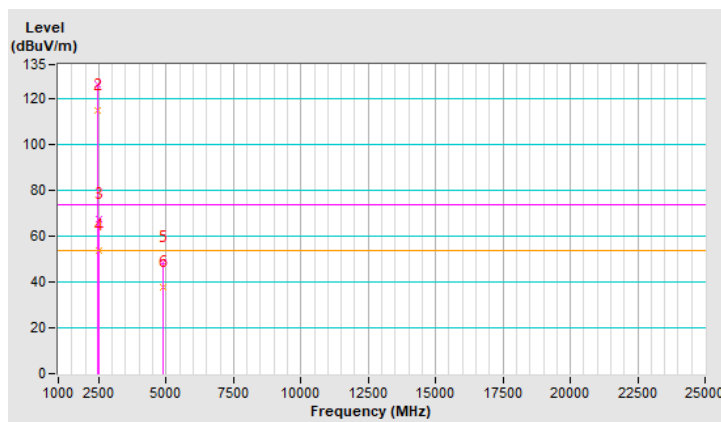


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	126.5 PK			2.32 V	10	94.7	31.8
2	*2437.00	114.7 AV			2.32 V	10	82.9	31.8
3	2483.50	67.5 PK	74.0	-6.5	2.32 V	10	35.6	31.9
4	2483.50	53.6 AV	54.0	-0.4	2.32 V	10	21.7	31.9
5	4874.00	48.9 PK	74.0	-25.1	1.31 V	68	44.9	4.0
6	4874.00	37.7 AV	54.0	-16.3	1.31 V	68	33.7	4.0
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.

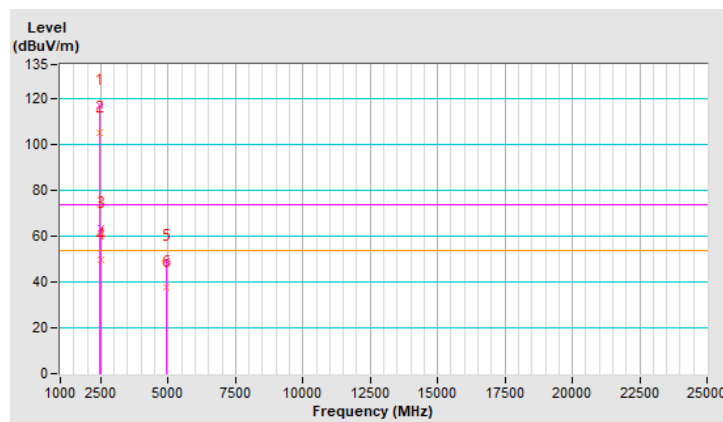


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	117.5 PK			1.57 H	141	85.6	31.9
2	*2462.00	105.4 AV			1.57 H	141	73.5	31.9
3	2483.50	63.5 PK	74.0	-10.5	1.57 H	141	31.6	31.9
4	2483.50	49.9 AV	54.0	-4.1	1.57 H	141	18.0	31.9
5	4924.00	49.4 PK	74.0	-24.6	2.32 H	27	45.2	4.2
6	4924.00	37.7 AV	54.0	-16.3	2.32 H	27	33.5	4.2
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.

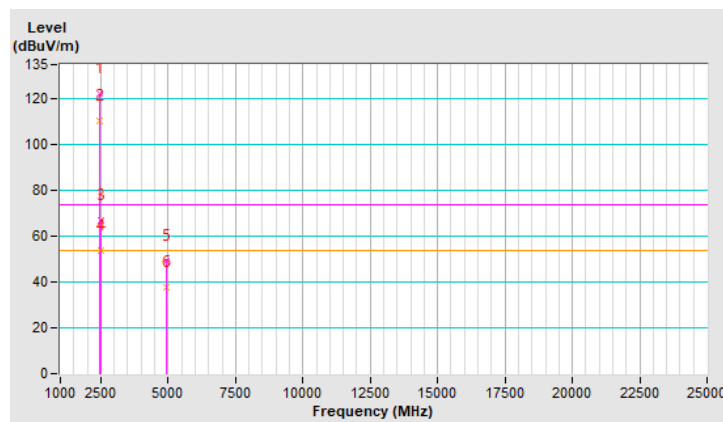


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	122.5 PK			2.23 V	22	90.6	31.9
2	*2462.00	110.6 AV			2.23 V	22	78.7	31.9
3	2483.50	67.1 PK	74.0	-6.9	2.23 V	22	35.2	31.9
4	2483.50	53.8 AV	54.0	-0.2	2.23 V	22	21.9	31.9
5	4924.00	49.1 PK	74.0	-24.9	1.40 V	71	44.9	4.2
6	4924.00	37.6 AV	54.0	-16.4	1.40 V	71	33.4	4.2
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.

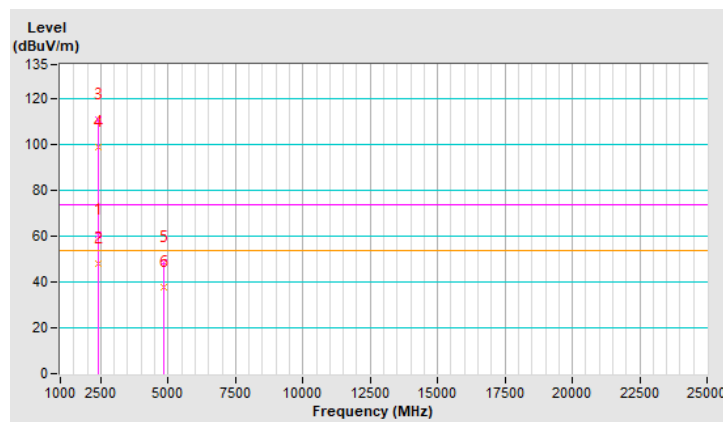


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	60.4 PK	74.0	-13.6	1.56 H	142	28.7	31.7
2	2390.00	48.2 AV	54.0	-5.8	1.56 H	142	16.5	31.7
3	*2422.00	110.7 PK			1.56 H	142	78.9	31.8
4	*2422.00	98.7 AV			1.56 H	142	66.9	31.8
5	4844.00	48.9 PK	74.0	-25.1	2.39 H	26	44.9	4.0
6	4844.00	37.9 AV	54.0	-16.1	2.39 H	26	33.9	4.0
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.

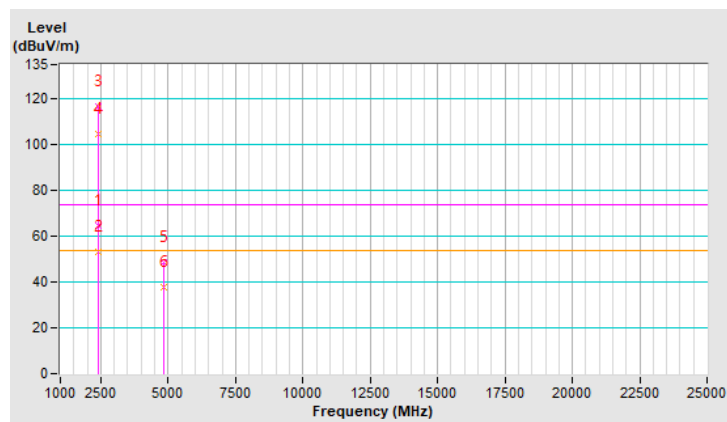


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	64.6 PK	74.0	-9.4	2.01 V	23	32.9	31.7
2	2390.00	53.3 AV	54.0	-0.7	2.01 V	23	21.6	31.7
3	*2422.00	116.6 PK			2.01 V	23	84.8	31.8
4	*2422.00	104.9 AV			2.01 V	23	73.1	31.8
5	4844.00	48.7 PK	74.0	-25.3	1.30 V	77	44.7	4.0
6	4844.00	38.0 AV	54.0	-16.0	1.30 V	77	34.0	4.0
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.

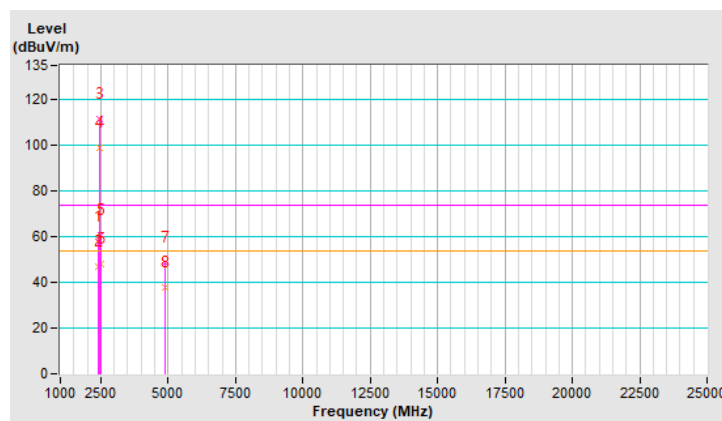


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	57.8 PK	74.0	-16.2	1.51 H	139	26.1	31.7
2	2390.00	46.7 AV	54.0	-7.3	1.51 H	139	15.0	31.7
3	*2437.00	111.4 PK			1.51 H	139	79.6	31.8
4	*2437.00	99.0 AV			1.51 H	139	67.2	31.8
5	2483.50	60.8 PK	74.0	-13.2	1.51 H	139	28.9	31.9
6	2483.50	48.2 AV	54.0	-5.8	1.51 H	139	16.3	31.9
7	4874.00	48.9 PK	74.0	-25.1	2.39 H	35	44.9	4.0
8	4874.00	37.6 AV	54.0	-16.4	2.39 H	35	33.6	4.0
9	7311.00	-	-	-	-	-	-	-
10	#9748.00	-	-	-	-	-	-	-
11	12185.00	-	-	-	-	-	-	-
12	#14622.00	-	-	-	-	-	-	-
13	#17059.00	-	-	-	-	-	-	-
14	19496.00	-	-	-	-	-	-	-
15	#21933.00	-	-	-	-	-	-	-
16	#24370.00	-	-	-	-	-	-	-

Remarks:

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

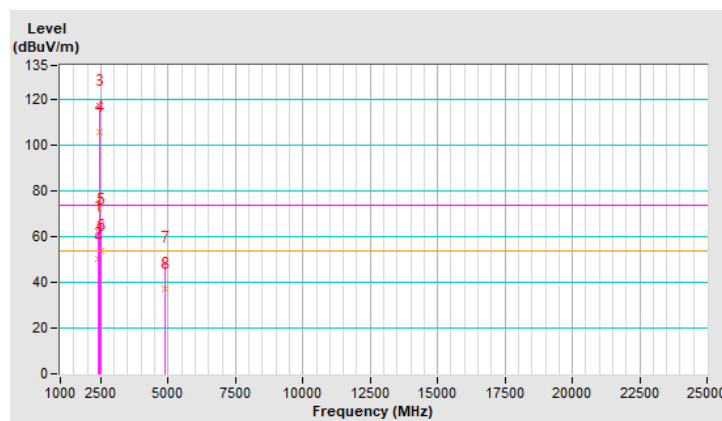


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	62.4 PK	74.0	-11.6	1.91 V	22	30.7	31.7
2	2390.00	50.3 AV	54.0	-3.7	1.91 V	22	18.6	31.7
3	*2437.00	117.4 PK			1.91 V	20	85.6	31.8
4	*2437.00	105.7 AV			1.91 V	20	73.9	31.8
5	2483.50	65.4 PK	74.0	-8.6	1.91 V	20	33.5	31.9
6	2483.50	53.9 AV	54.0	-0.1	1.91 V	20	22.0	31.9
7	4874.00	48.9 PK	74.0	-25.1	1.43 V	74	44.9	4.0
8	4874.00	37.4 AV	54.0	-16.6	1.43 V	74	33.4	4.0
9	7311.00	-	-	-	-	-	-	-
10	#9748.00	-	-	-	-	-	-	-
11	12185.00	-	-	-	-	-	-	-
12	#14622.00	-	-	-	-	-	-	-
13	#17059.00	-	-	-	-	-	-	-
14	19496.00	-	-	-	-	-	-	-
15	#21933.00	-	-	-	-	-	-	-
16	#24370.00	-	-	-	-	-	-	-

Remarks:

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

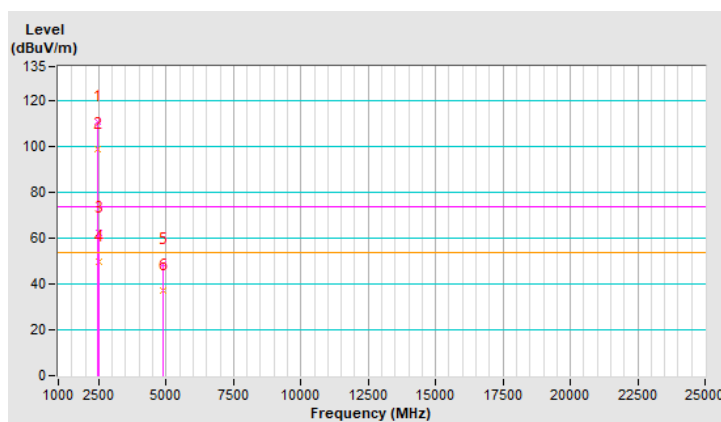


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 9：2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	111.1 PK			1.53 H	142	79.2	31.9
2	*2452.00	99.1 AV			1.53 H	142	67.2	31.9
3	2483.50	62.2 PK	74.0	-11.8	1.53 H	142	30.3	31.9
4	2483.50	49.7 AV	54.0	-4.3	1.53 H	142	17.8	31.9
5	4904.00	48.7 PK	74.0	-25.3	2.37 H	25	44.5	4.2
6	4904.00	37.3 AV	54.0	-16.7	2.37 H	25	33.1	4.2
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.

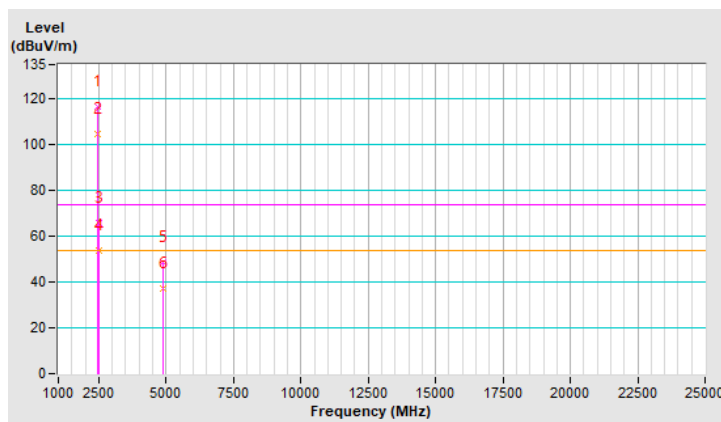


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 9：2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 25 日	測試者：	李桓輔

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	116.8 PK			2.07 V	16	84.9	31.9
2	*2452.00	104.7 AV			2.07 V	16	72.8	31.9
3	2483.50	65.6 PK	74.0	-8.4	2.07 V	16	33.7	31.9
4	2483.50	53.8 AV	54.0	-0.2	2.07 V	16	21.9	31.9
5	4904.00	48.8 PK	74.0	-25.2	1.41 V	81	44.6	4.2
6	4904.00	37.4 AV	54.0	-16.6	1.41 V	81	33.2	4.2
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

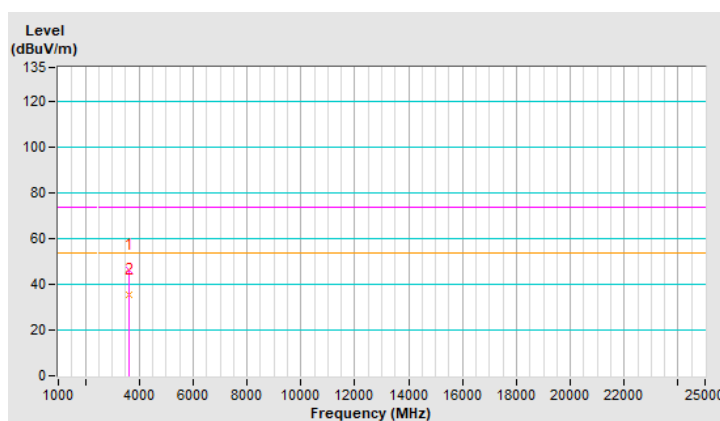
2TX

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 (RMS)
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李桓輔

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	3618.00	46.3 PK	74.0	-27.7	2.35 H	83	45.6	0.7
2	3618.00	35.5 AV	54.0	-18.5	2.35 H	83	34.8	0.7

Remarks:

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

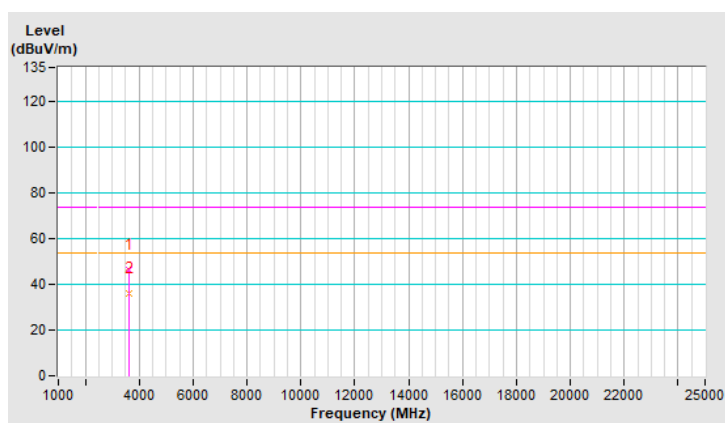


操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 6 : 2437 MHz		(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz (RMS)
量測場地溫度 :	23 °C	量測場地濕度 :	68% RH
測 試 日 期 :	110 年 10 月 26 日	測 試 者 :	李桓輔

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	3618.00	46.5 PK	74.0	-27.5	1.23 V	69	45.8	0.7
2	3618.00	35.9 AV	54.0	-18.1	1.23 V	69	35.2	0.7

Remarks:

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



4.6.3 其它不必要之訊號

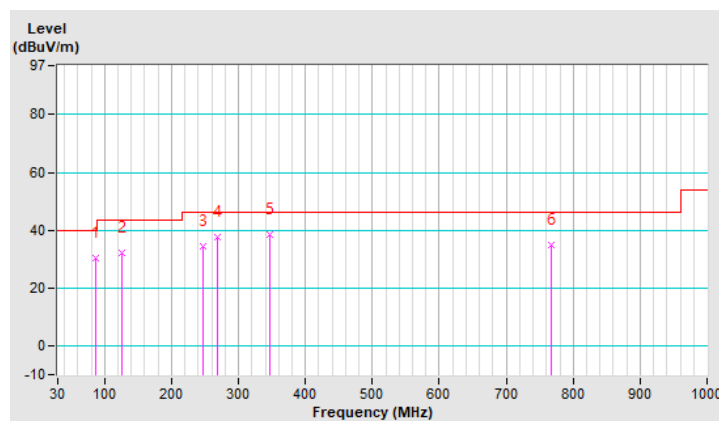
2TX

操作模式：	發射/接收 802.11b	調變技術：	DSSS-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李桓輔

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	86.26	30.4 QP	40.0	-9.6	1.99 H	309	54.4	-24.0
2	125.06	32.3 QP	43.5	-11.2	1.51 H	267	52.4	-20.1
3	246.31	34.6 QP	46.0	-11.4	1.01 H	248	54.3	-19.7
4	267.65	37.5 QP	46.0	-8.5	1.01 H	162	56.5	-19.0
5	347.19	38.7 QP	46.0	-7.3	1.01 H	11	55.4	-16.7
6	767.20	35.0 QP	46.0	-11.0	1.99 H	149	43.1	-8.1

Remarks:

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

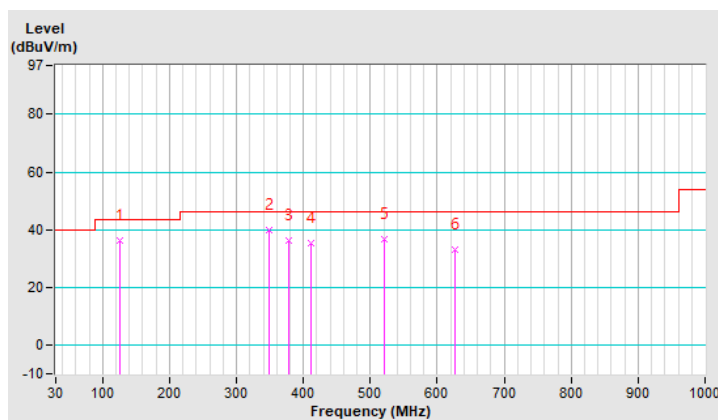


操作模式：	發射/接收 802.11b	調變技術：	DSSS-MIMO
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李桓輔

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	125.06	36.4 QP	43.5	-7.1	1.00 V	149	56.5	-20.1
2	348.16	39.7 QP	46.0	-6.3	1.49 V	282	56.3	-16.6
3	378.23	36.2 QP	46.0	-9.8	1.49 V	196	52.0	-15.8
4	411.21	35.5 QP	46.0	-10.5	1.00 V	196	50.7	-15.2
5	521.79	36.9 QP	46.0	-9.1	1.00 V	2	49.5	-12.6
6	626.55	33.0 QP	46.0	-13.0	1.00 V	155	43.4	-10.4

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.



4.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

4.8 配置照片

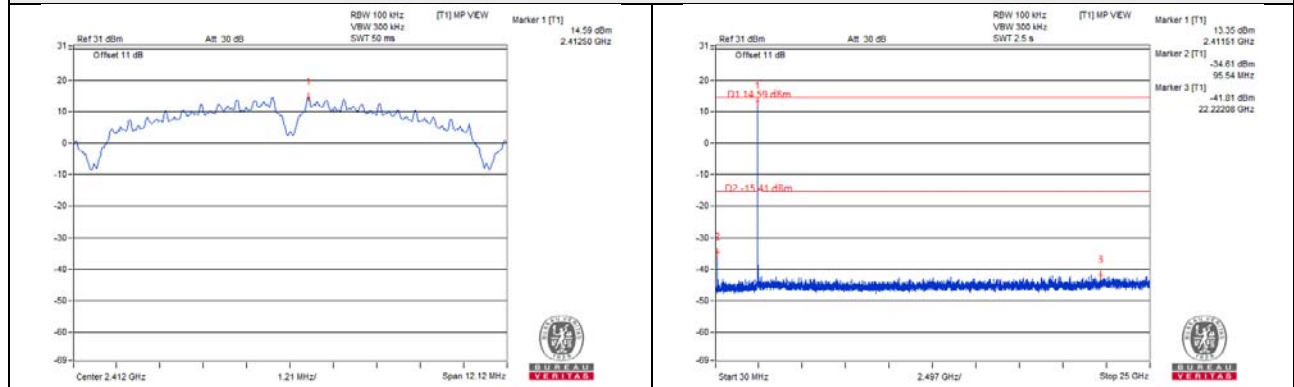
請參閱附件測試設置照片(BV CPS 報告編號：BDQY-WTW-P21070082_TSup)。

4.9 帶外發射之量測 (傳導)

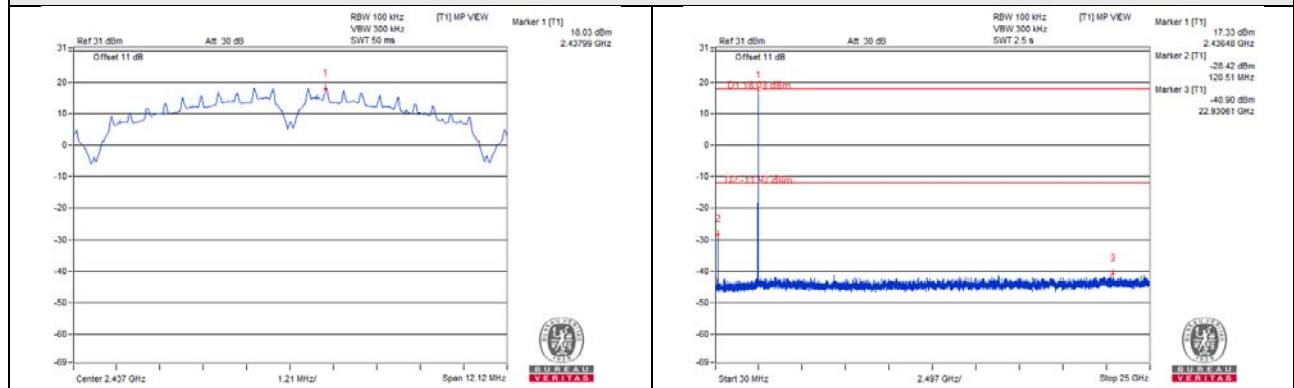
2TX

802.11b_Chain 0

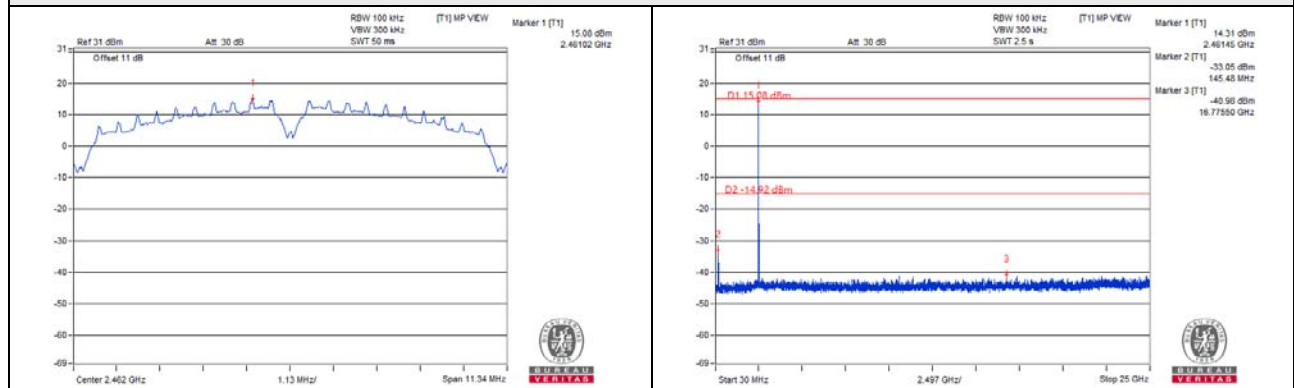
CH 1



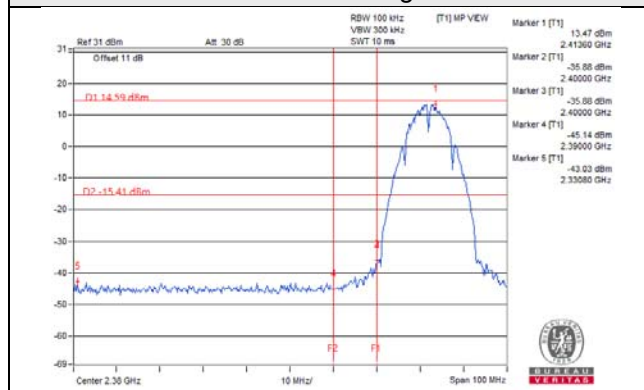
CH 6



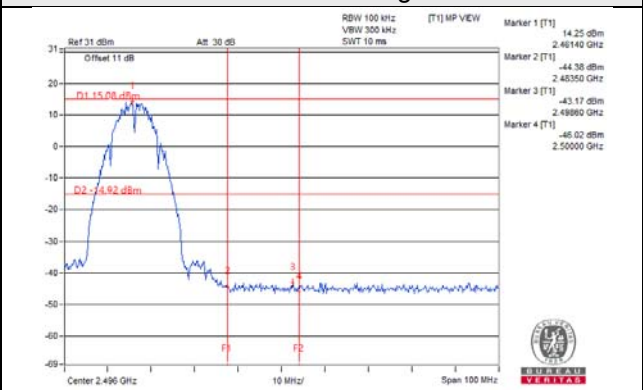
CH 11



CH 1 Band edge

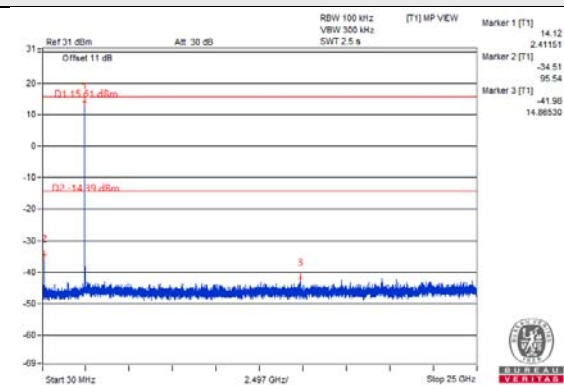
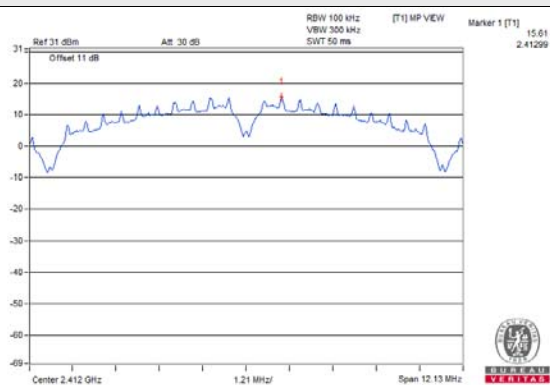


CH 11 Band edge

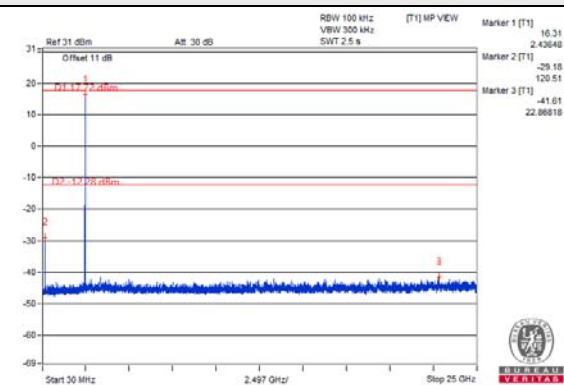
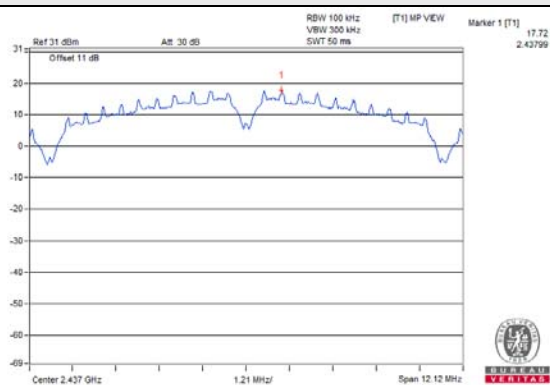


802.11b_Chain 1

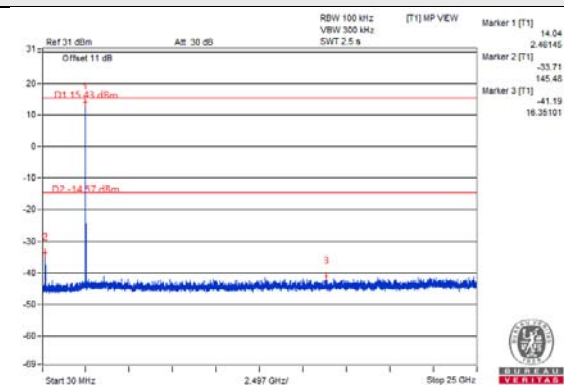
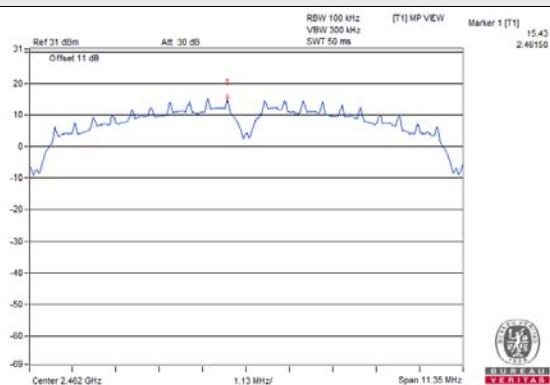
CH 1



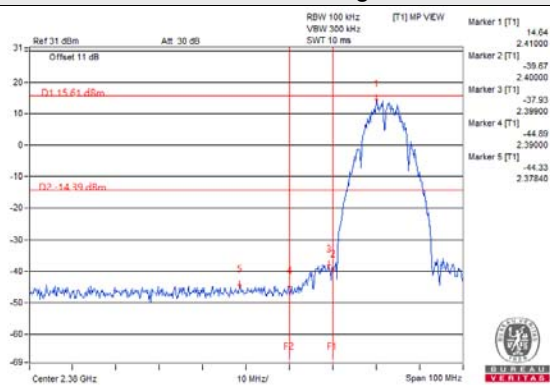
CH 6



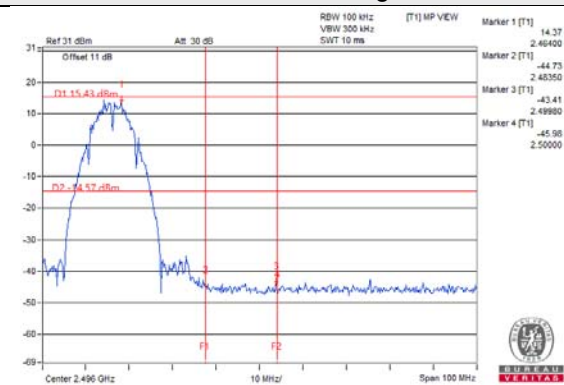
CH 11



CH 1 Band edge

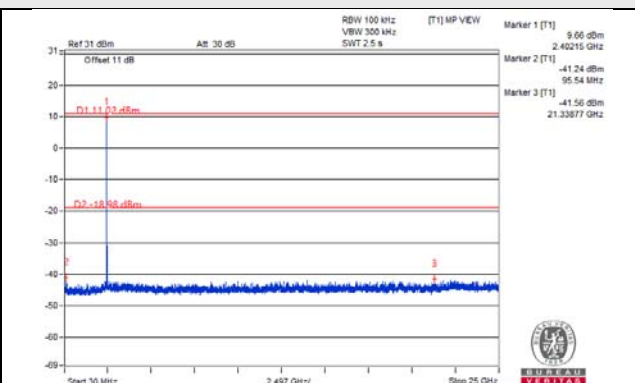
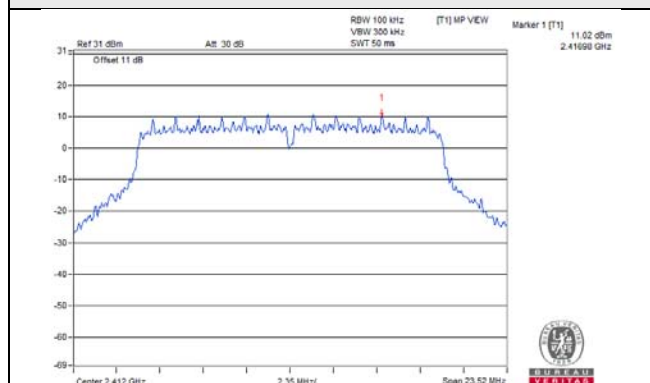


CH 11 Band edge

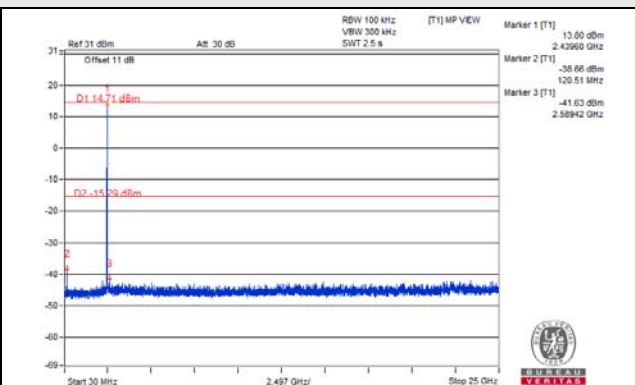
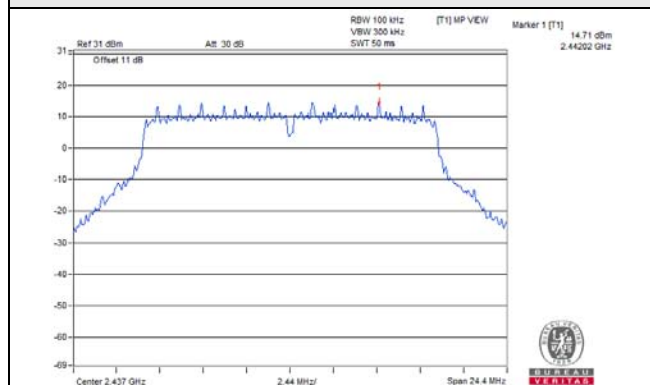


802.11g_Chain 0

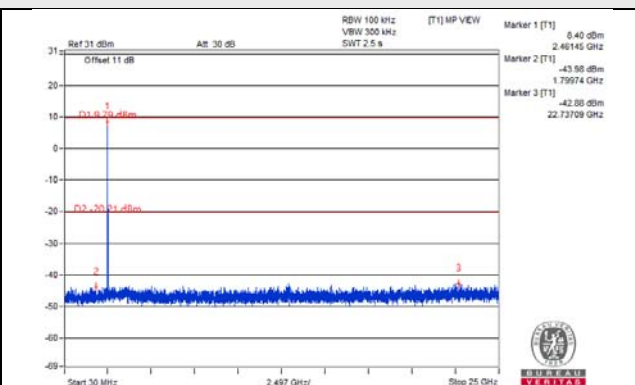
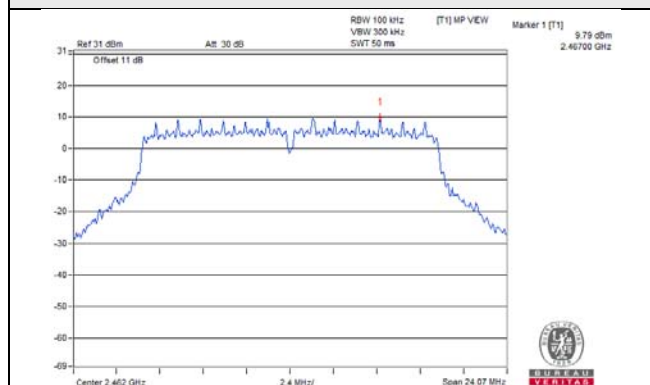
CH 1



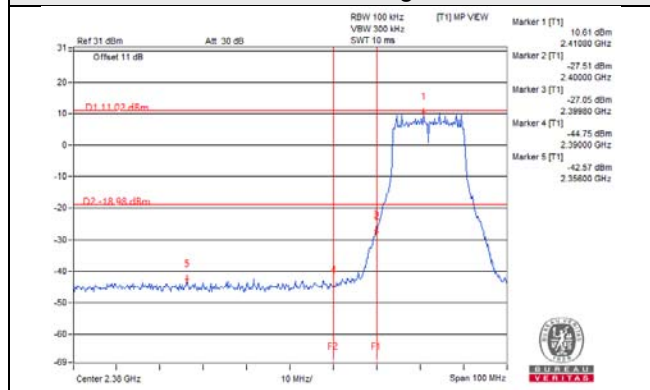
CH 6



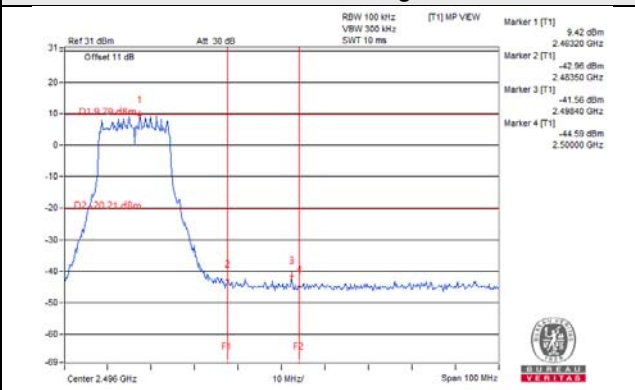
CH 11



CH 1 Band edge

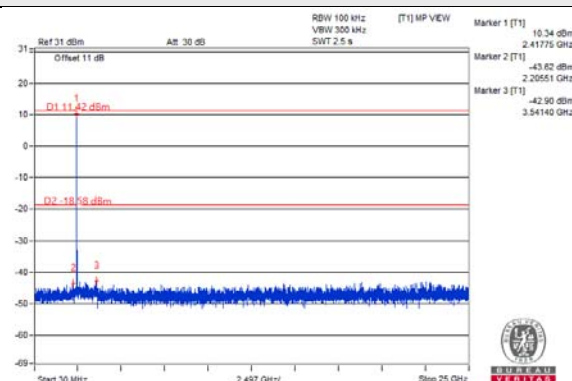
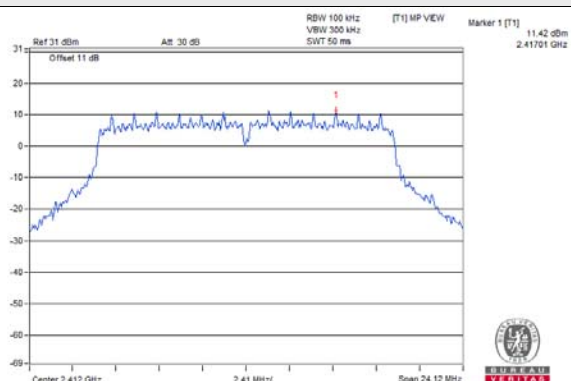


CH 11 Band edge

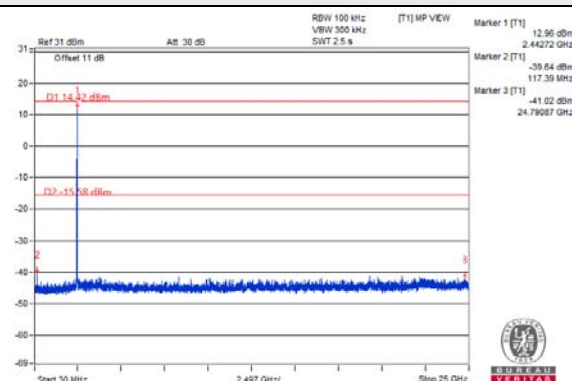
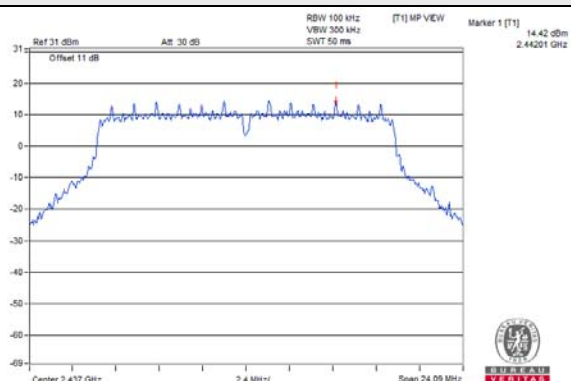


802.11g_Chain 1

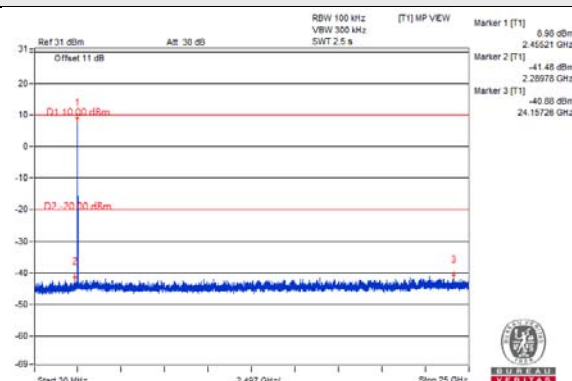
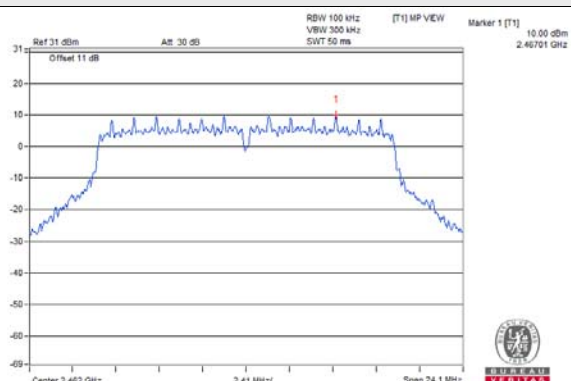
CH 1



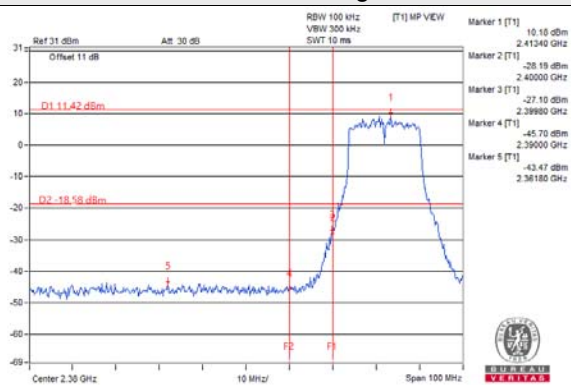
CH 6



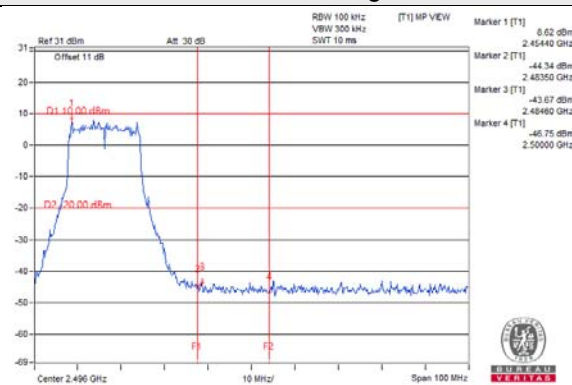
CH 11



CH 1 Band edge

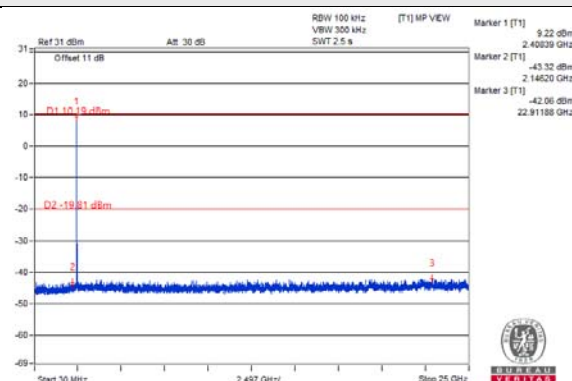
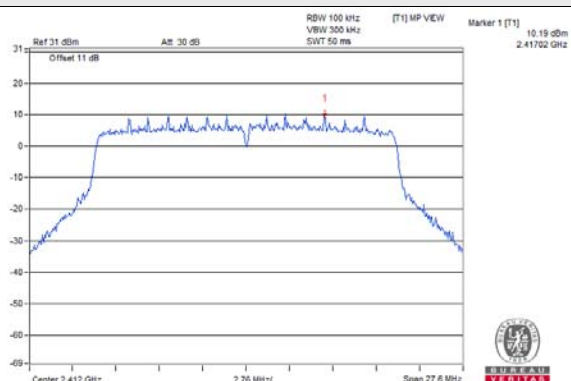


CH 11 Band edge

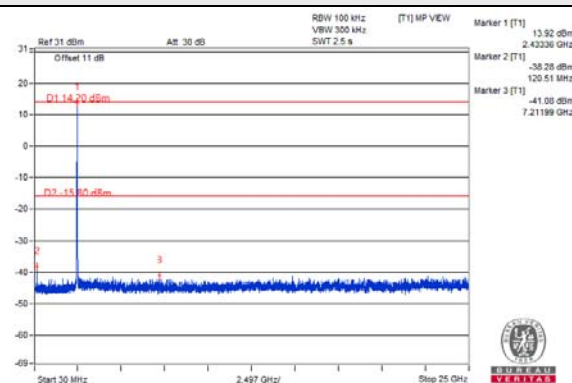
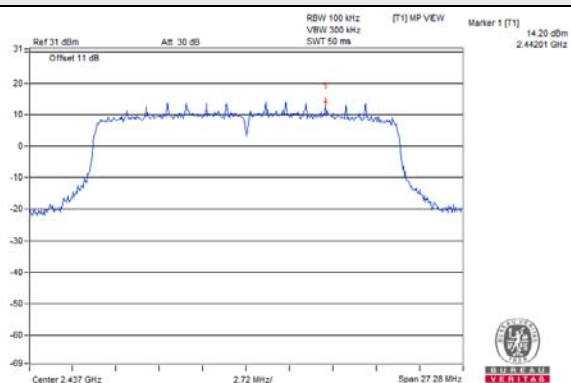


802.11ax (HE20)_Chain 0

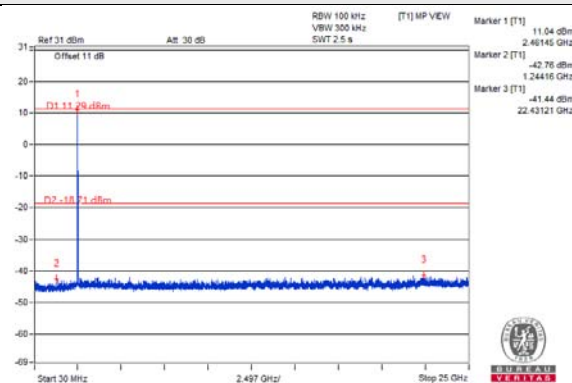
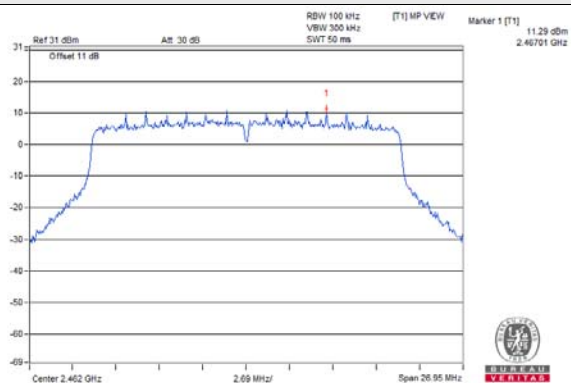
CH 1



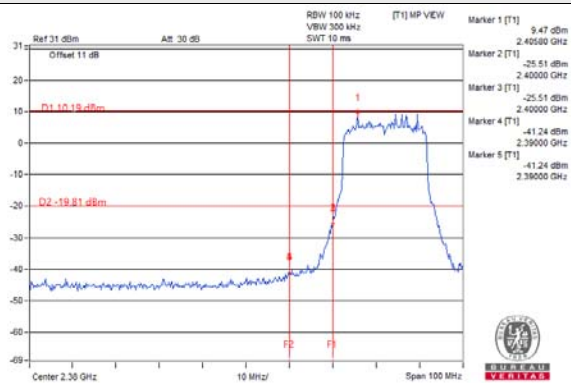
CH 6



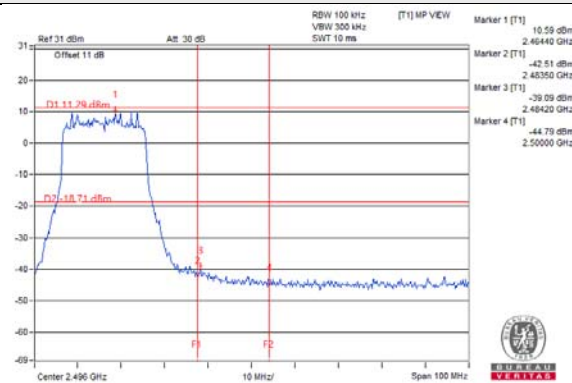
CH 11



CH 1 Band edge

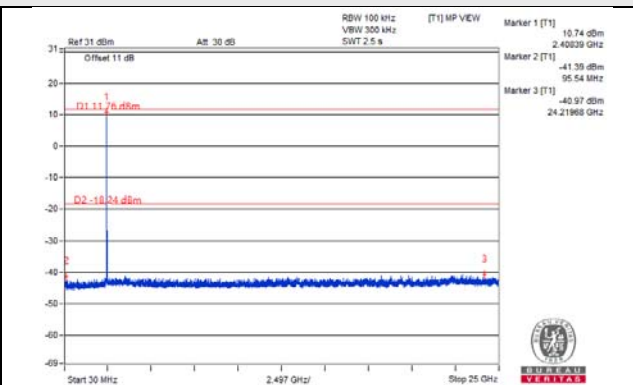
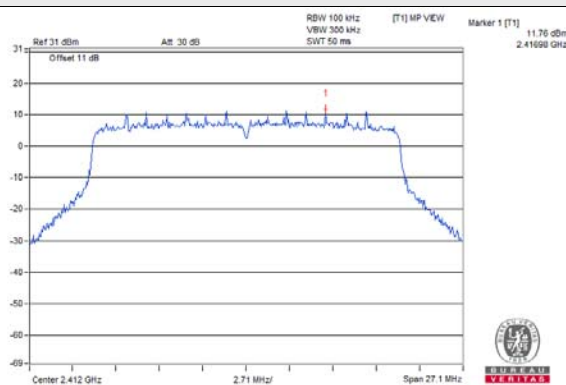


CH 11 Band edge

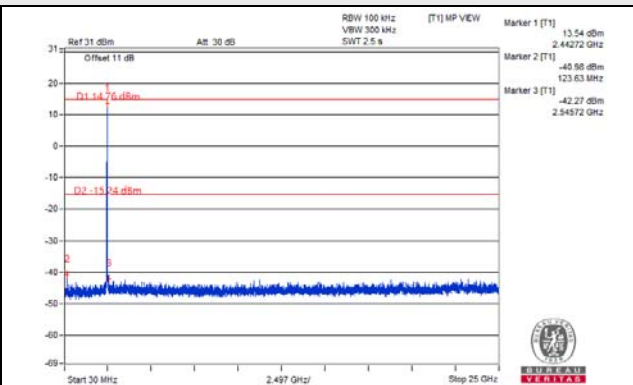
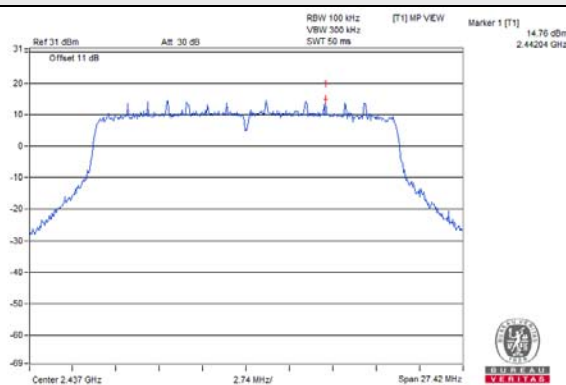


802.11ax (HE20)_Chain 1

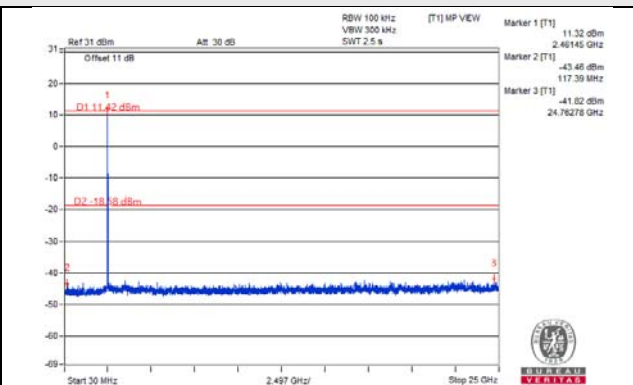
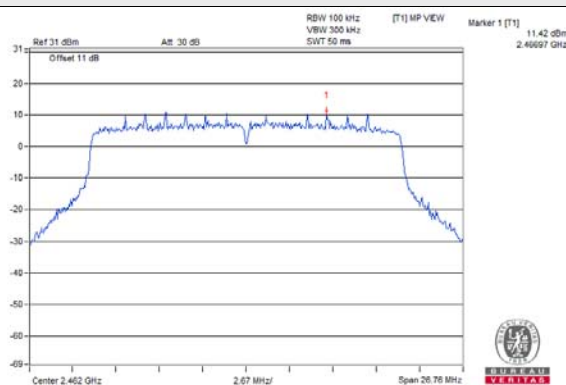
CH 1



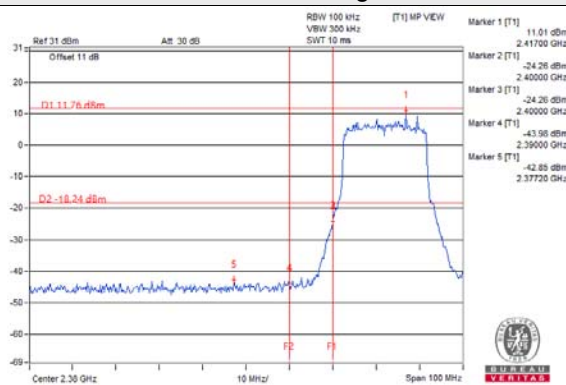
CH 6



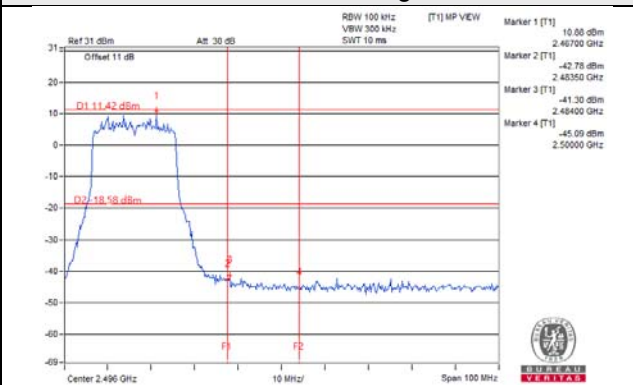
CH 11



CH 1 Band edge

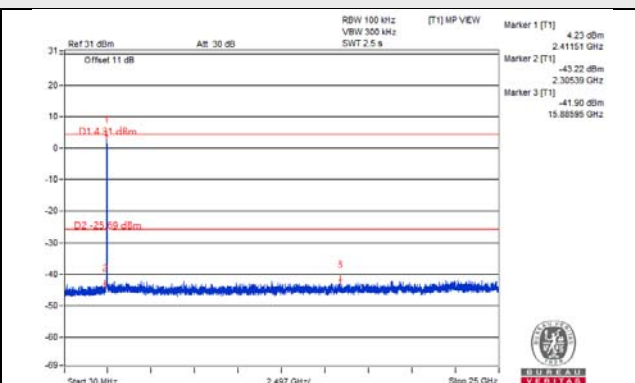
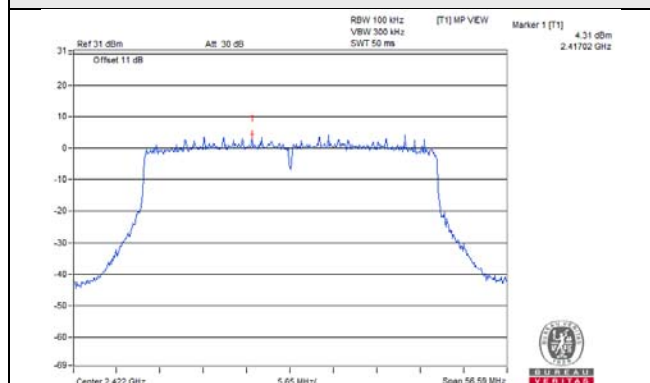


CH 11 Band edge

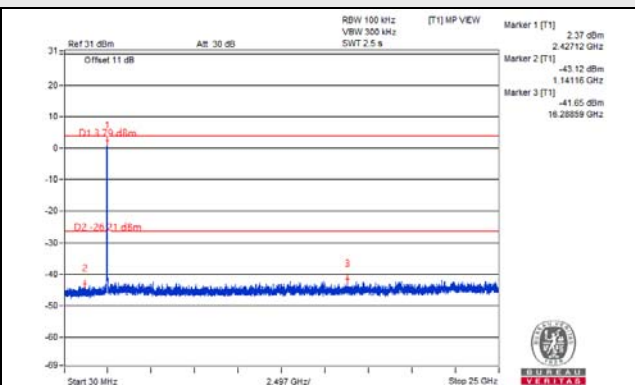
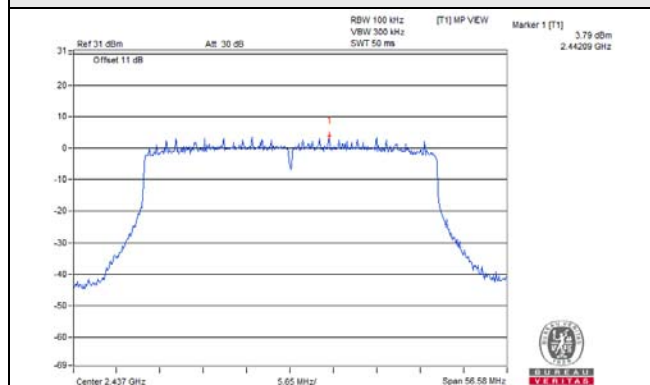


802.11ax (HE40)_Chain 0

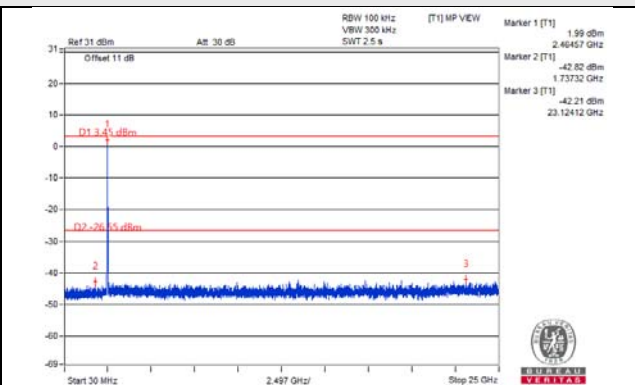
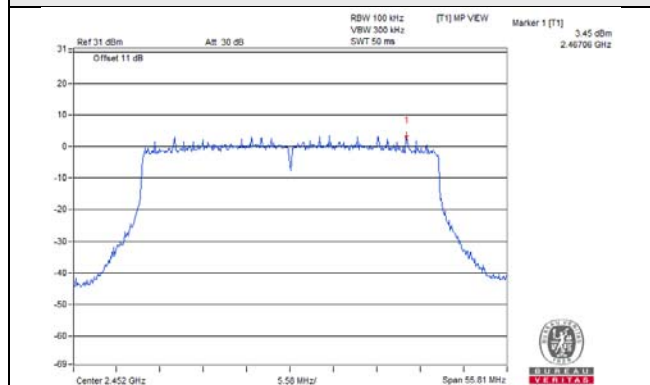
CH 3



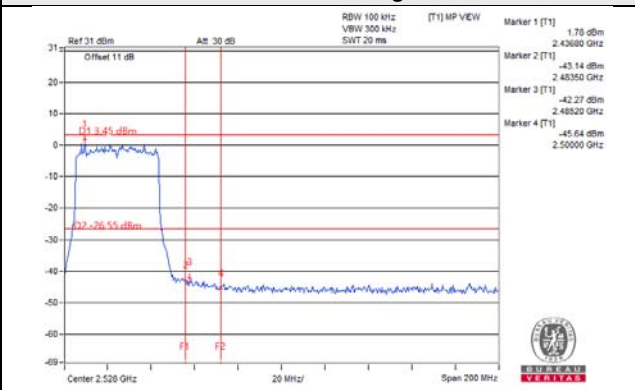
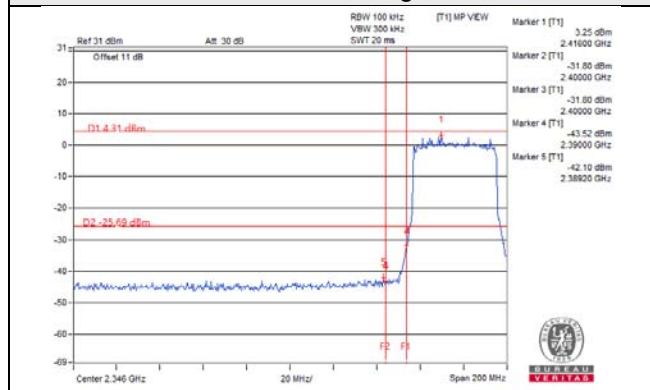
CH 6



CH 9

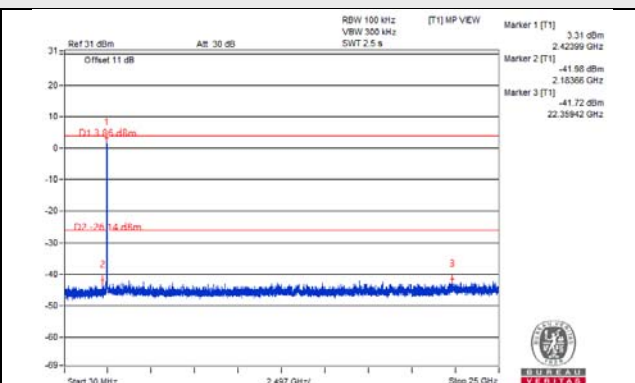
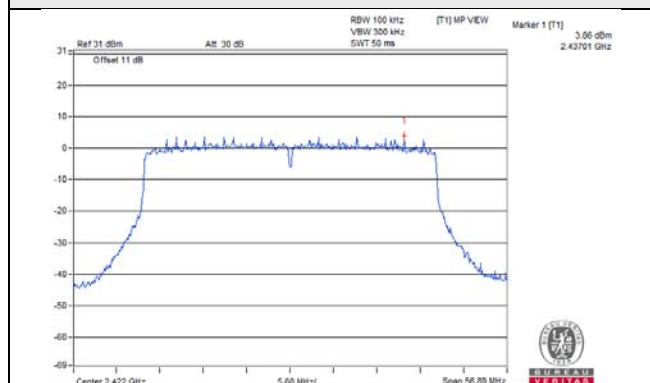


CH 3 Band edge

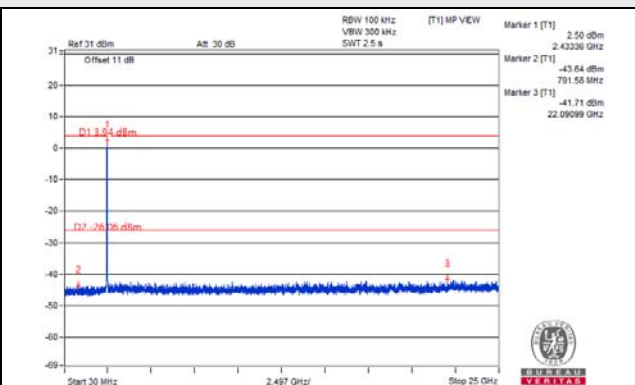
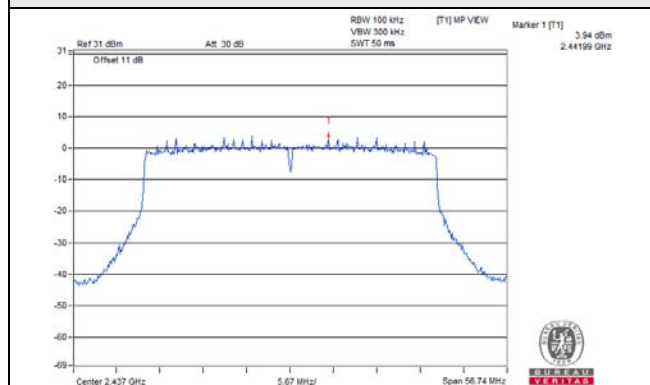


802.11ax (HE40)_Chain 1

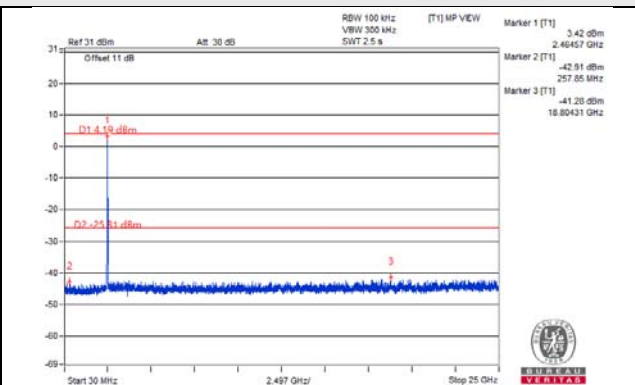
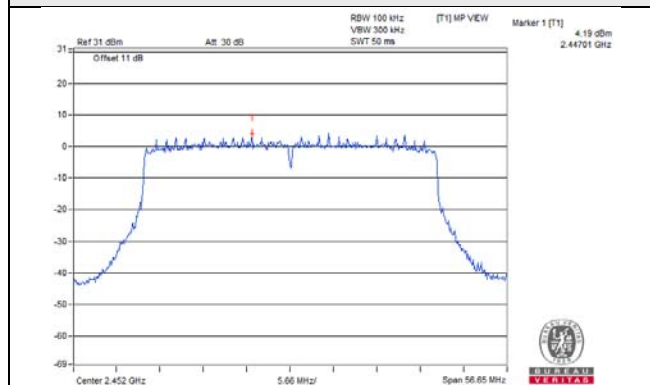
CH 3



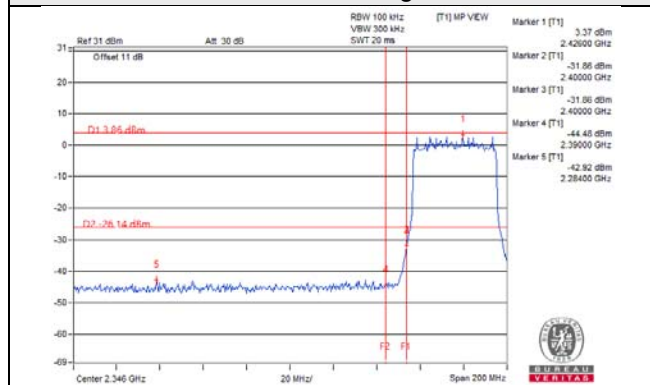
CH 6



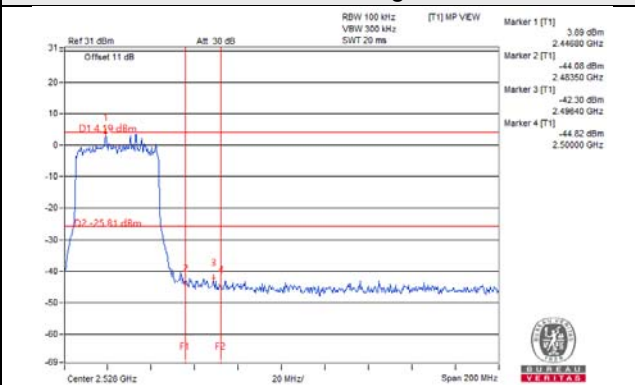
CH 9



CH 3 Band edge



CH 9 Band edge



4.10 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

5 電源線傳導干擾之量測

5.1 適用標準

請見本報告3.1節第1項的規定。

5.2 量測方法

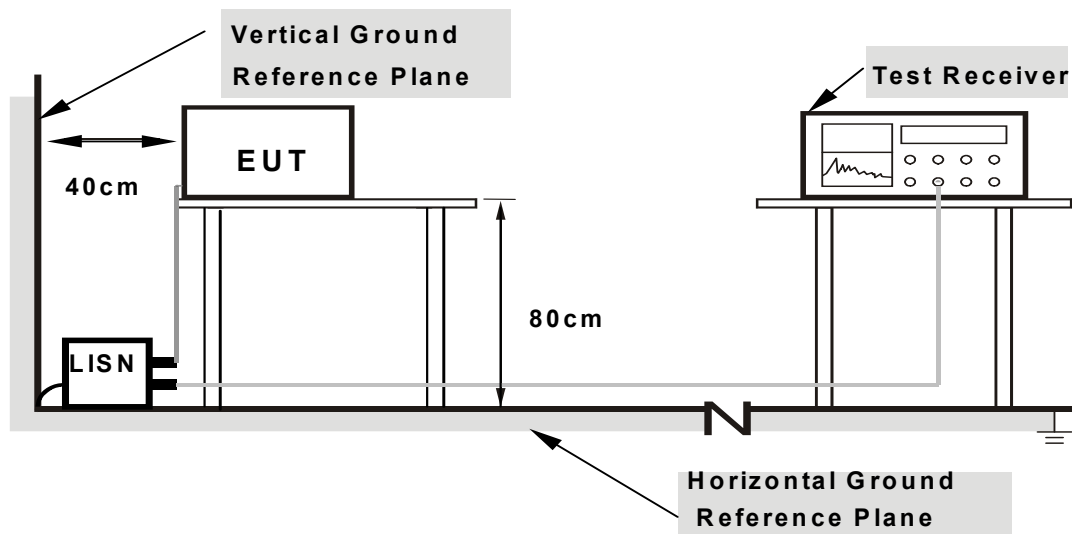
將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由0.15MHz至30MHz之間之電源線傳導放射強度。

5.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Test Receiver ROHDE & SCHWARZ	ESR3	102783	Dec. 21, 2020	Dec. 20, 2021
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 04, 2021	Sep. 03, 2022
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Jan. 28, 2021	Jan. 27, 2022
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Sep. 17, 2021	Sep. 16, 2022
Software ADT	BV ADT_Cond_ V7.3.7.4	NA	NA	NA

- Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Shielded Room 2.
3. The VCCI Site Registration No. is C-12047.
4. The measurement uncertainty is 2.79 dB, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5.4 測試配置



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

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

5.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

5.6 量測結果

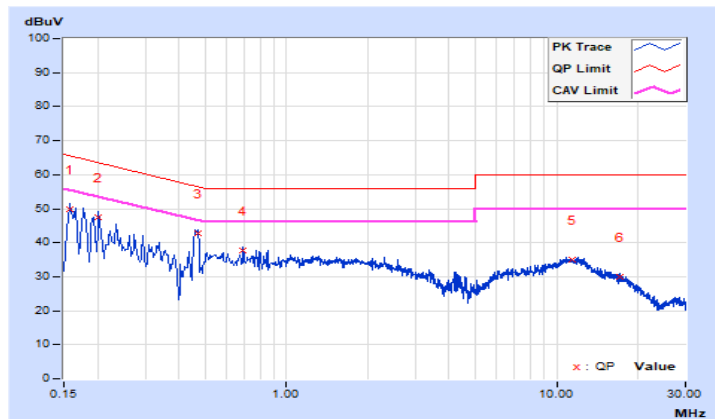
2TX

操作模式	發射/接收 802.11b	調變技術	DSSS-MIMO
基本波頻率	CH 6 : 2437 MHz	測試日期	110 年 11 月 22 日
量測場地溫度	21°C	量測場地濕度	68%RH
測試者	陳重亦		

輻射頻率 [MHz]	校正因子 [dB]	6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
		儀器讀值		結果值		限制值		餘裕度	
		[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15800	10.11	39.83	21.34	49.94	31.45	65.57	55.57	-15.63	-24.12
0.20200	10.13	37.21	18.97	47.34	29.10	63.53	53.53	-16.19	-24.43
0.46936	10.14	32.78	24.98	42.92	35.12	56.53	46.53	-13.61	-11.41
0.69000	10.15	27.50	17.61	37.65	27.76	56.00	46.00	-18.35	-18.24
11.35800	10.35	24.72	16.63	35.07	26.98	60.00	50.00	-24.93	-23.02
17.13800	10.43	19.39	9.59	29.82	20.02	60.00	50.00	-30.18	-29.98

Remarks:

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

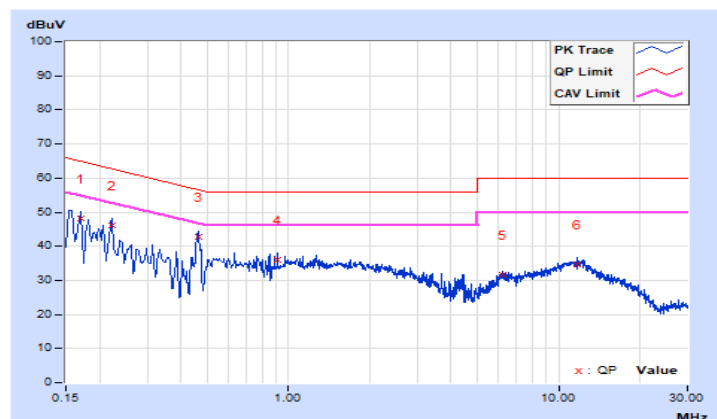


操作模式	發射/接收 802.11b	調變技術	DSSS-MIMO
基本波頻率	CH 6 : 2437 MHz	測試日期	110 年 11 月 22 日
量測場地溫度	21°C	量測場地濕度	68%RH
測試者	陳重亦		

輻射頻率 [MHz]	校正因子 [dB]	6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
		儀器讀值		結果值		限制值		餘裕度	
		[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.17000	10.12	38.17	22.55	48.29	32.67	64.96	54.96	-16.67	-22.29
0.22200	10.13	36.13	21.97	46.26	32.10	62.74	52.74	-16.48	-20.64
0.46200	10.15	32.68	28.26	42.83	38.41	56.66	46.66	-13.83	-8.25
0.91000	10.18	25.73	15.20	35.91	25.38	56.00	46.00	-20.09	-20.62
6.17400	10.33	21.29	10.22	31.62	20.55	60.00	50.00	-28.38	-29.45
11.74200	10.46	24.26	16.69	34.72	27.15	60.00	50.00	-25.28	-22.85

Remarks:

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



5.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

5.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BDQY-WTW-P21070082_TSup)。

6 發射(6 dB)頻寬之要求

6.1 適用標準

請見本報告3.1節第5項(I)的規定。

6.2 量測方法

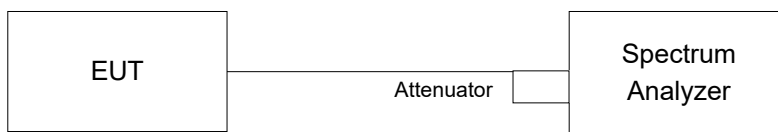
- 將待測物輸出經由衰减器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 計算由最大輸出功率峰值減6dB的最大頻率範圍。

6.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100040	Sep. 15, 2021	Sep. 14, 2022

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

6.4 測試配置



6.5 量測結果

操作模式	發射	測試日期	110 年 11 月 11 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳佳衡		

2TX

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	8.08	8.09	0.50	Pass
6	2437	8.08	8.08	0.50	Pass
11	2462	7.56	7.57	0.50	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	15.68	16.08	0.50	Pass
6	2437	16.27	16.06	0.50	Pass
11	2462	16.05	16.07	0.50	Pass

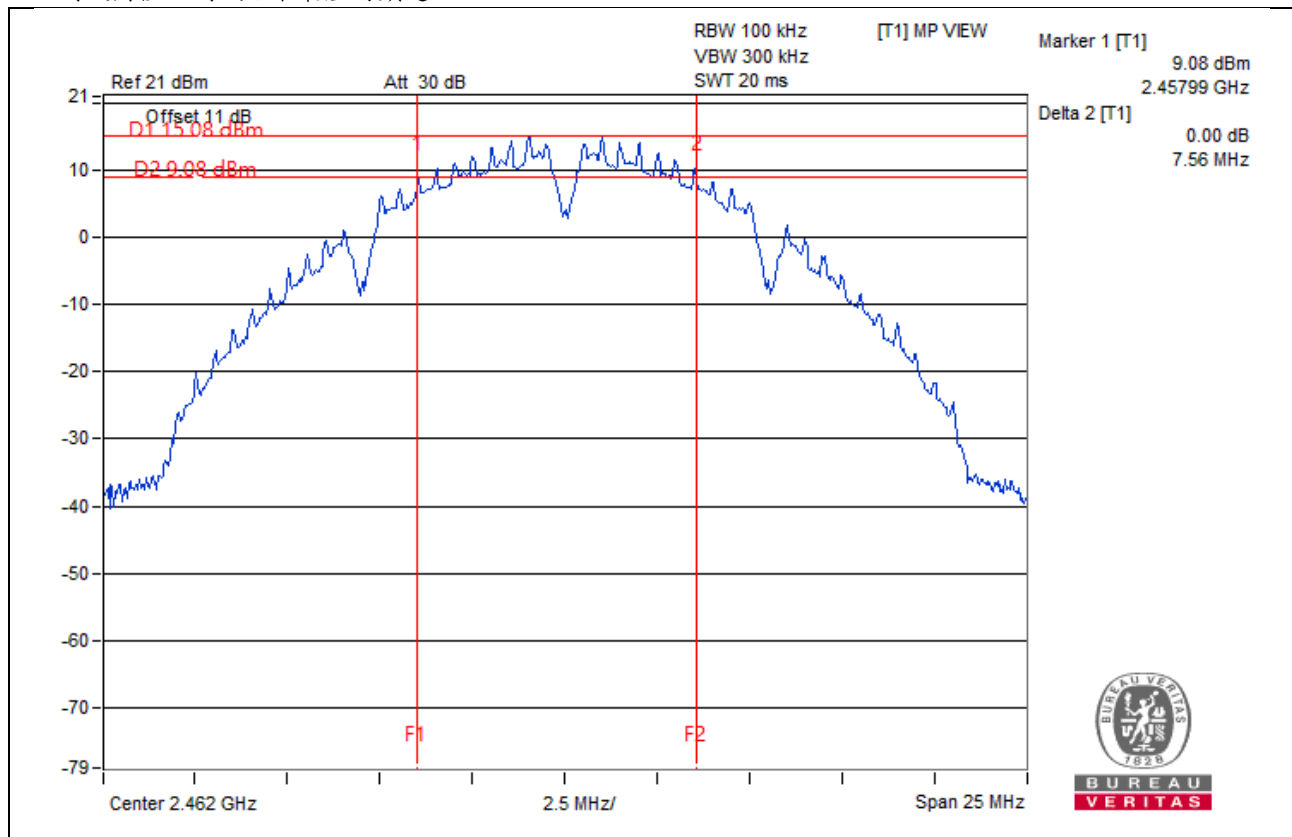
802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	18.40	18.07	0.50	Pass
6	2437	18.19	18.28	0.50	Pass
11	2462	17.97	17.84	0.50	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	37.73	37.93	0.50	Pass
6	2437	37.72	37.83	0.50	Pass
9	2452	37.21	37.77	0.50	Pass

**此測試圖僅放測試結果最差的頻道。



6.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

7 峰值傳導輸出功率之量測

7.1 適用標準

請見本報告3.1節第6項(I)及4項(I)的規定。

7.2 量測方法

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

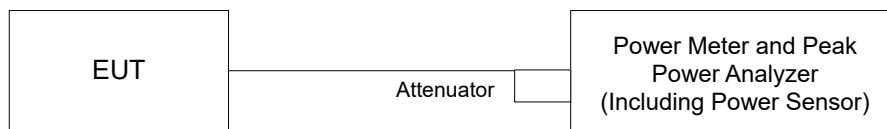
7.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Peak Power Analyzer KEYSIGHT	8990B	MY51000485	Jan. 19, 2021	Jan. 18, 2022
Wideband Power Sensor KEYSIGHT	N1923A	MY58020002	Jan. 11, 2021	Jan. 10, 2022

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

- The measurement uncertainty is 1.393dB, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	110 年 11 月 11 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳佳衡		

2TX

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	24.34	24.03	524.574	27.20	30.00	Pass
6	2437	26.52	26.17	862.745	29.36	30.00	Pass
11	2462	23.73	23.45	457.357	26.60	30.00	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	22.45	22.02	335.013	25.25	30.00	Pass
6	2437	25.61	25.17	692.767	28.41	30.00	Pass
11	2462	20.33	20.21	212.849	23.28	30.00	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	21.63	21.30	280.442	24.48	30.00	Pass
6	2437	25.41	25.00	663.764	28.22	30.00	Pass
11	2462	21.62	21.38	282.615	24.51	30.00	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	18.55	18.01	134.856	21.30	30.00	Pass
6	2437	18.89	18.59	149.723	21.75	30.00	Pass
9	2452	18.24	17.98	129.487	21.12	30.00	Pass

VHT20

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	21.66	21.35	283.013	24.52	30.00	Pass
6	2437	25.47	25.08	674.478	28.29	30.00	Pass
11	2462	21.63	21.40	283.584	24.53	30.00	Pass

VHT40

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	18.60	18.10	137.009	21.37	30.00	Pass
6	2437	19.00	18.65	152.715	21.84	30.00	Pass
9	2452	18.36	18.02	131.936	21.20	30.00	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	21.69	21.37	284.659	24.54	30.00	Pass
6	2437	25.49	25.10	677.591	28.31	30.00	Pass
11	2462	21.66	21.42	285.230	24.55	30.00	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	18.62	18.15	138.091	21.40	30.00	Pass
6	2437	19.04	18.68	153.958	21.87	30.00	Pass
9	2452	18.39	18.04	132.704	21.23	30.00	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	18.62	18.29	140.231	21.47	30.00	Pass
6	2437	22.40	21.99	331.905	25.21	30.00	Pass
11	2462	18.61	18.37	141.317	21.50	30.00	Pass

Note: Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power limit not need to reduce.

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	15.54	15.00	67.432	18.29	30.00	Pass
6	2437	15.88	15.58	74.867	18.74	30.00	Pass
9	2452	15.23	14.97	64.748	18.11	30.00	Pass

Note: Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power limit not need to reduce.

VHT20

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	18.65	18.34	141.516	21.51	30.00	Pass
6	2437	22.46	22.07	337.262	25.28	30.00	Pass
11	2462	18.62	18.39	141.802	21.52	30.00	Pass

Note: Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power limit not need to reduce.

VHT40

Channel	Frequency (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	15.59	15.09	68.509	18.36	30.00	Pass
6	2437	15.99	15.64	76.363	18.83	30.00	Pass
9	2452	15.35	15.01	65.972	18.19	30.00	Pass

Note: Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power limit not need to reduce.

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	18.68	18.36	142.339	21.53	30.00	Pass
6	2437	22.48	22.09	338.819	25.30	30.00	Pass
11	2462	18.65	18.41	142.625	21.54	30.00	Pass

Note: Directional gain = 2dBi + 10log(2) = 5.01dBi < 6dBi, so the power limit not need to reduce.

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	15.61	15.14	69.050	18.39	30.00	Pass
6	2437	16.03	15.67	76.984	18.86	30.00	Pass
9	2452	15.38	15.03	66.356	18.22	30.00	Pass

Note: Directional gain = 2dBi + 10log(2) = 5.01dBi < 6dBi, so the power limit not need to reduce.

7.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

8 功率頻譜密度之量測

8.1 適用標準

請見本報告3.1節第7項(I)的規定。

8.2 量測方法

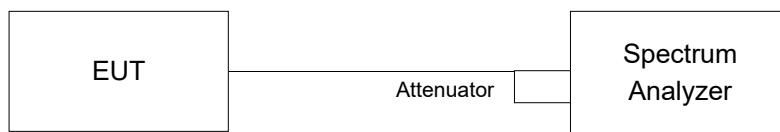
- 將待測物之天線埠連接至測試儀器。
- 設定解析頻寬為 3kHz，視訊頻寬為 10kHz，掃描時間設為自動，直至掃描信號穩定。
- 使用 RMS 功能鍵，並找到最大的峰值準位。

8.3 量測儀器

儀器名稱 (廠牌/製造商)	型號	序號	校正日期	下次校正日期
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100040	Sep. 15, 2021	Sep. 14, 2022

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

8.4 測試配置



8.5 量測結果

操作模式	發射	測試日期	110 年 11 月 11 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳佳衡		

2TX

802.11b

TX chain	Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/3kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-12.81	3.01	2.39	-7.41	8.00	Pass
	6	2437	-11.52	3.01	2.39	-6.12	8.00	Pass
	11	2462	-12.52	3.01	2.39	-7.12	8.00	Pass
1	1	2412	-13.48	3.01	2.39	-8.08	8.00	Pass
	6	2437	-11.36	3.01	2.39	-5.96	8.00	Pass
	11	2462	-13.84	3.01	2.39	-8.44	8.00	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
- Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power density limit not need to reduce.
- Refer to section 2.1 for duty cycle spectrum plot.

802.11g

TX chain	Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/3kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-15.62	3.01	0.41	-12.20	8.00	Pass
	6	2437	-11.65	3.01	0.41	-8.23	8.00	Pass
	11	2462	-16.13	3.01	0.41	-12.71	8.00	Pass
1	1	2412	-15.08	3.01	0.41	-11.66	8.00	Pass
	6	2437	-12.01	3.01	0.41	-8.59	8.00	Pass
	11	2462	-16.50	3.01	0.41	-13.08	8.00	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
- Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power density limit not need to reduce.
- Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE20)

TX chain	Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/3kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	1	2412	-17.89	3.01	0.23	-14.65	8.00	Pass
	6	2437	-14.04	3.01	0.23	-10.80	8.00	Pass
	11	2462	-17.24	3.01	0.23	-14.00	8.00	Pass
1	1	2412	-16.66	3.01	0.23	-13.42	8.00	Pass
	6	2437	-13.64	3.01	0.23	-10.40	8.00	Pass
	11	2462	-17.28	3.01	0.23	-14.04	8.00	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
2. Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power density limit not need to reduce.
3. Refer to section 2.1 for duty cycle spectrum plot.

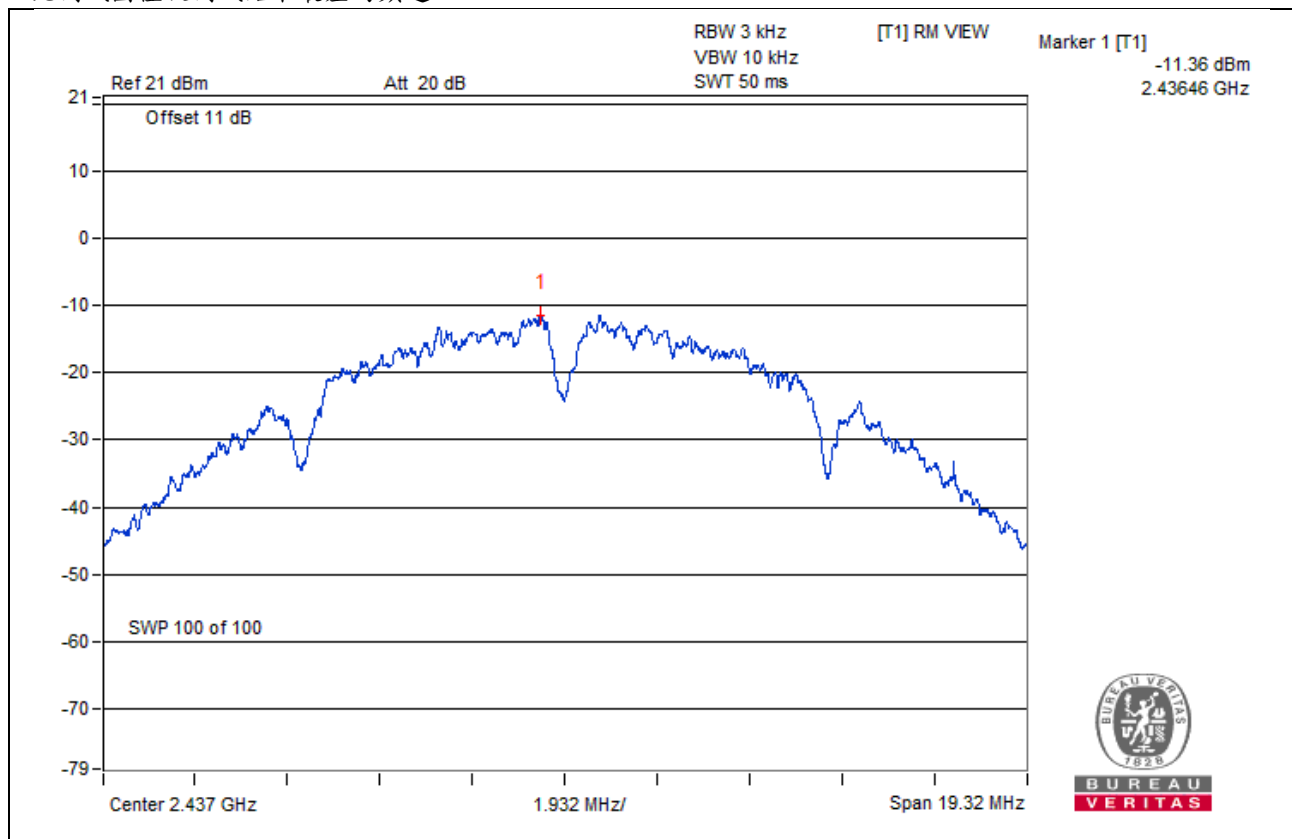
802.11ax (HE40)

TX chain	Channel	Frequency (MHz)	PSD w/o Duty Factor (dBm/3kHz)	10 log (N=2) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/3kHz)	Limit (dBm/3kHz)	Pass / Fail
0	3	2422	-23.53	3.01	0.21	-20.31	8.00	Pass
	6	2437	-23.61	3.01	0.21	-20.39	8.00	Pass
	9	2452	-23.91	3.01	0.21	-20.69	8.00	Pass
1	3	2422	-22.79	3.01	0.21	-19.57	8.00	Pass
	6	2437	-23.11	3.01	0.21	-19.89	8.00	Pass
	9	2452	-23.70	3.01	0.21	-20.48	8.00	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
2. Directional gain = $2\text{dBi} + 10\log(2) = 5.01\text{dBi} < 6\text{dBi}$, so the power density limit not need to reduce.
3. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



8.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

U-NII 頻段測試紀錄結果

9 帶外發射之量測

9.1 適用標準

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

9.2 量測方法

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

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

9.3 量測儀器

同4.3節。

9.4 測試配置

同4.4節。

9.5 場強度之計算

場強之計算公式如下：

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

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

*有效等向輻射功率限制值轉換場強值如下：

Applicable To		Limit	
技術規範 5.7.4.6 節不必要發射頻率屬 3.5 節規定頻段者，應符合 3.6 節之規定		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
操作頻帶	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 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}
^{*1} beyond 75 MHz or more above of the band edge. ^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. ^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	

Note:

有效等向輻射功率限制值轉換場強之公式如下：

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

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

量測結果請見下頁。

9.6 量測結果

9.6.1 發射諧波

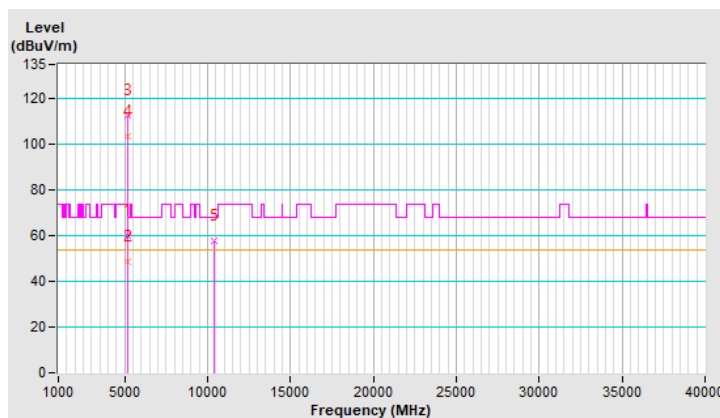
2TX

操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
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：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	59.8 PK	74.0	-14.2	1.96 H	259	56.2	3.6
2	5150.00	48.9 AV	54.0	-5.1	1.96 H	259	45.3	3.6
3	*5180.00	112.7 PK			1.96 H	259	72.8	39.9
4	*5180.00	103.7 AV			1.96 H	259	63.8	39.9
5	#10360.00	57.7 PK	68.2	-10.5	1.45 H	90	48.3	9.4
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.

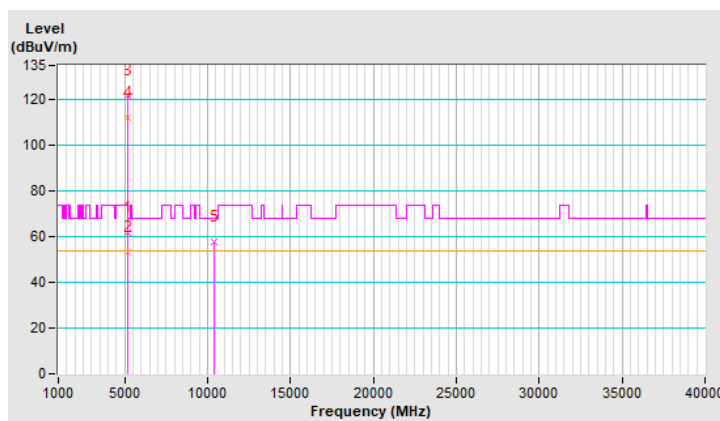


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	61.5 PK	74.0	-12.5	2.37 V	225	57.9	3.6
2	5150.00	53.0 AV	54.0	-1.0	2.37 V	225	49.4	3.6
3	*5180.00	121.8 PK			2.37 V	225	81.9	39.9
4	*5180.00	112.3 AV			2.37 V	225	72.4	39.9
5	#10360.00	57.8 PK	68.2	-10.4	1.32 V	70	48.4	9.4
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.

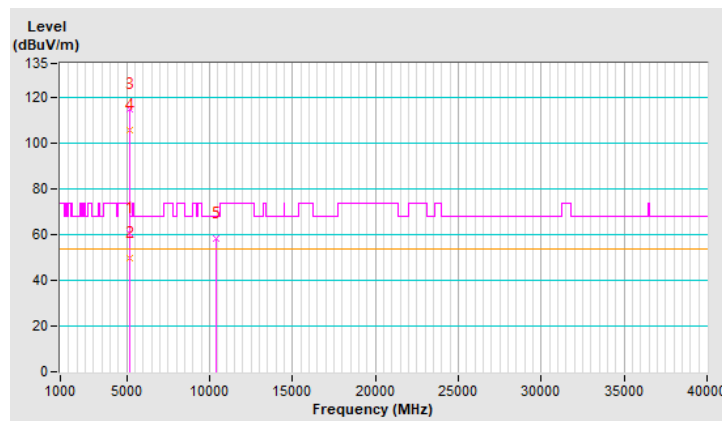


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	60.4 PK	74.0	-13.6	1.97 H	257	56.8	3.6
2	5150.00	49.6 AV	54.0	-4.4	1.97 H	257	46.0	3.6
3	*5200.00	114.8 PK			1.97 H	257	74.9	39.9
4	*5200.00	105.8 AV			1.97 H	257	65.9	39.9
5	#10400.00	58.5 PK	68.2	-9.7	1.49 H	88	48.9	9.6
6	15600.00	-	-	-	-	-	-	-
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

Remarks:

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

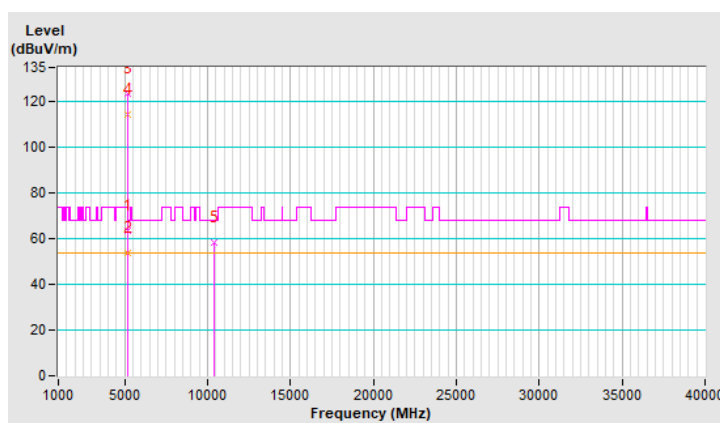


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	63.6 PK	74.0	-10.4	2.41 V	229	60.0	3.6
2	5150.00	53.5 AV	54.0	-0.5	2.41 V	229	49.9	3.6
3	*5200.00	123.4 PK			2.41 V	229	83.5	39.9
4	*5200.00	114.5 AV			2.41 V	229	74.6	39.9
5	#10400.00	58.2 PK	68.2	-10.0	1.35 V	75	48.6	9.6
6	15600.00	-	-	-	-	-	-	-
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

Remarks:

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

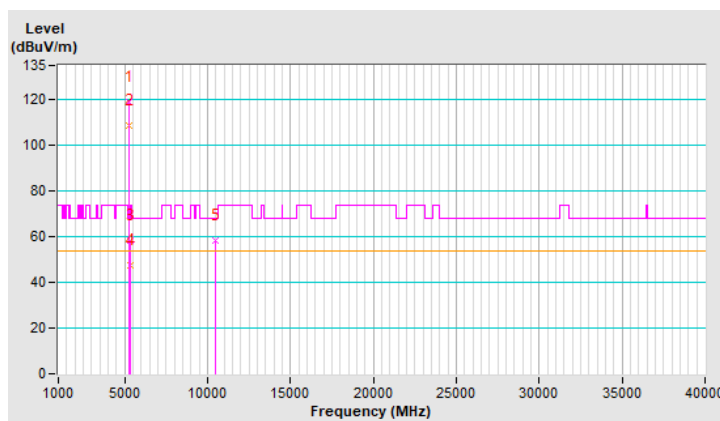


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 48 : 5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	118.7 PK			1.88 H	257	78.8	39.9
2	*5240.00	108.8 AV			1.88 H	257	68.9	39.9
3	5350.00	58.2 PK	74.0	-15.8	1.88 H	257	54.7	3.5
4	5350.00	47.3 AV	54.0	-6.7	1.88 H	257	43.8	3.5
5	#10480.00	58.1 PK	68.2	-10.1	1.42 H	96	48.5	9.6
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.

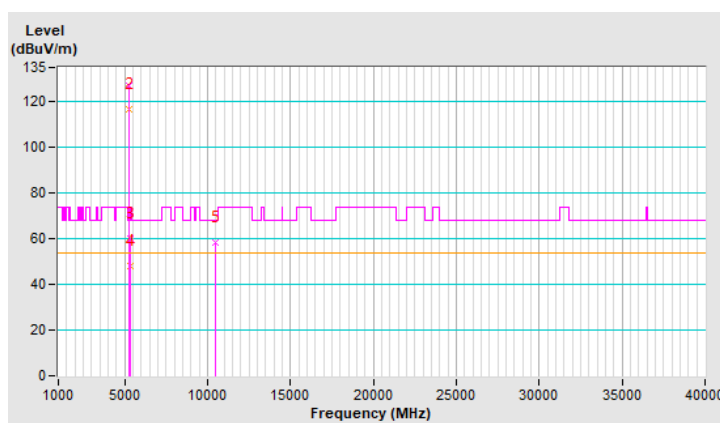


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 48 : 5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	126.8 PK			2.53 V	103	86.9	39.9
2	*5240.00	116.7 AV			2.53 V	103	76.8	39.9
3	5350.00	59.9 PK	74.0	-14.1	2.53 V	103	56.4	3.5
4	5350.00	47.8 AV	54.0	-6.2	2.53 V	103	44.3	3.5
5	#10480.00	58.3 PK	68.2	-9.9	1.37 V	78	48.7	9.6
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.

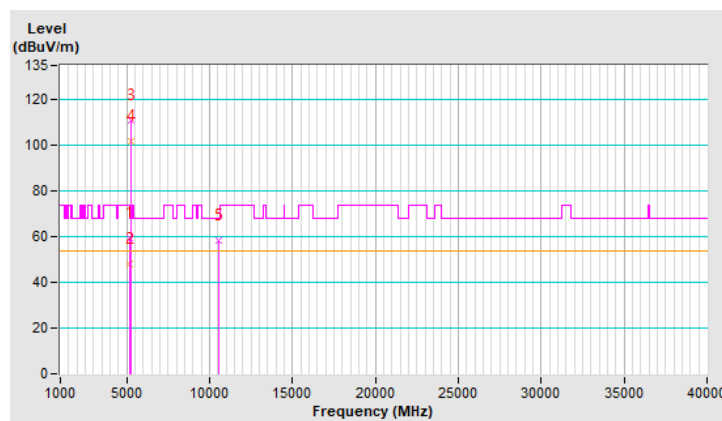


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	59.4 PK	74.0	-14.6	1.97 H	257	55.8	3.6
2	5150.00	47.8 AV	54.0	-6.2	1.97 H	257	44.2	3.6
3	*5260.00	111.1 PK			1.97 H	257	71.2	39.9
4	*5260.00	102.0 AV			1.97 H	257	62.1	39.9
5	#10520.00	58.5 PK	68.2	-9.7	1.46 H	91	48.8	9.7
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

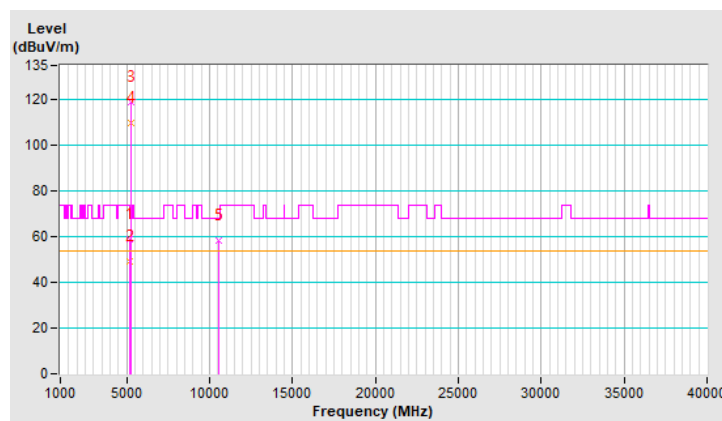


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	58.8 PK	74.0	-15.2	2.30 V	229	55.2	3.6
2	5150.00	49.2 AV	54.0	-4.8	2.30 V	229	45.6	3.6
3	*5260.00	119.2 PK			2.30 V	229	79.3	39.9
4	*5260.00	109.8 AV			2.30 V	229	69.9	39.9
5	#10520.00	58.6 PK	68.2	-9.6	1.37 V	66	48.9	9.7
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

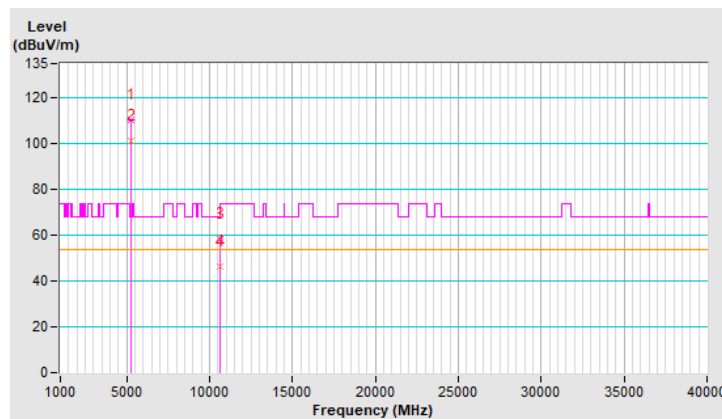


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	*5300.00	110.5 PK			1.91 H	256	70.6	39.9
2	*5300.00	101.5 AV			1.91 H	256	61.6	39.9
3	10600.00	58.4 PK	74.0	-15.6	1.50 H	92	48.5	9.9
4	10600.00	46.6 AV	54.0	-7.4	1.50 H	92	36.7	9.9
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

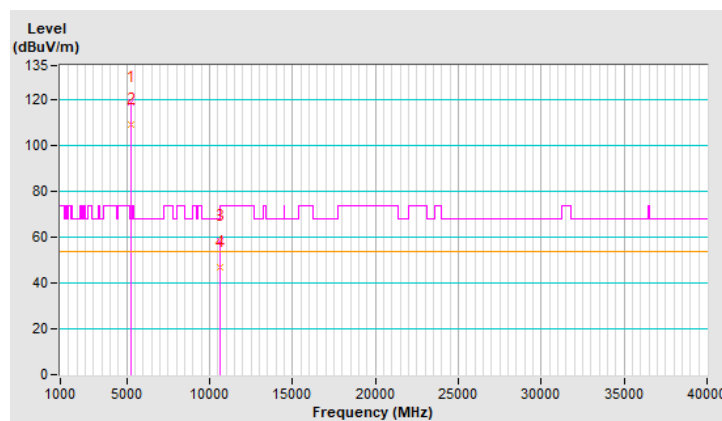


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	*5300.00	119.2 PK			2.37 V	76	79.3	39.9
2	*5300.00	109.3 AV			2.37 V	76	69.4	39.9
3	10600.00	58.6 PK	74.0	-15.4	1.26 V	65	48.7	9.9
4	10600.00	46.7 AV	54.0	-7.3	1.26 V	65	36.8	9.9
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

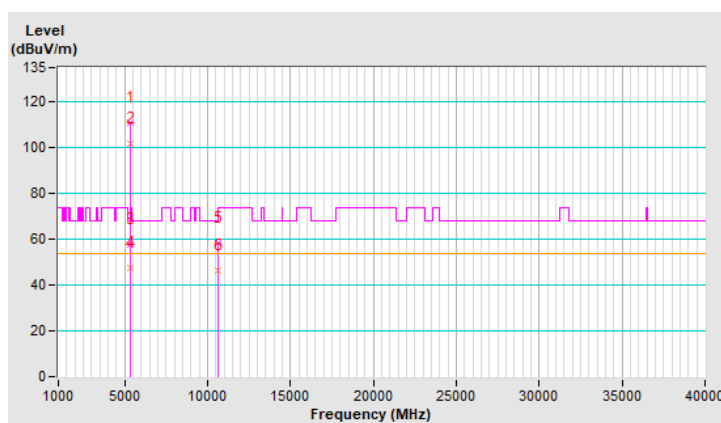


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	*5320.00	110.9 PK			1.91 H	257	71.1	39.8
2	*5320.00	101.6 AV			1.91 H	257	61.8	39.8
3	5350.00	57.9 PK	74.0	-16.1	1.91 H	257	54.4	3.5
4	5350.00	47.7 AV	54.0	-6.3	1.91 H	257	44.2	3.5
5	10640.00	58.5 PK	74.0	-15.5	1.57 H	95	48.6	9.9
6	10640.00	46.3 AV	54.0	-7.7	1.57 H	95	36.4	9.9
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

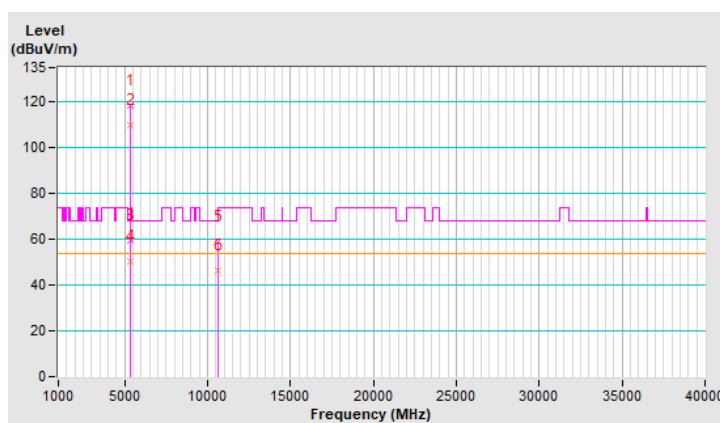


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	*5320.00	118.4 PK			2.32 V	85	78.6	39.8
2	*5320.00	109.7 AV			2.32 V	85	69.9	39.8
3	5350.00	59.6 PK	74.0	-14.4	2.32 V	85	56.1	3.5
4	5350.00	50.6 AV	54.0	-3.4	2.32 V	85	47.1	3.5
5	10640.00	58.7 PK	74.0	-15.3	1.38 V	78	48.8	9.9
6	10640.00	46.5 AV	54.0	-7.5	1.38 V	78	36.6	9.9
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

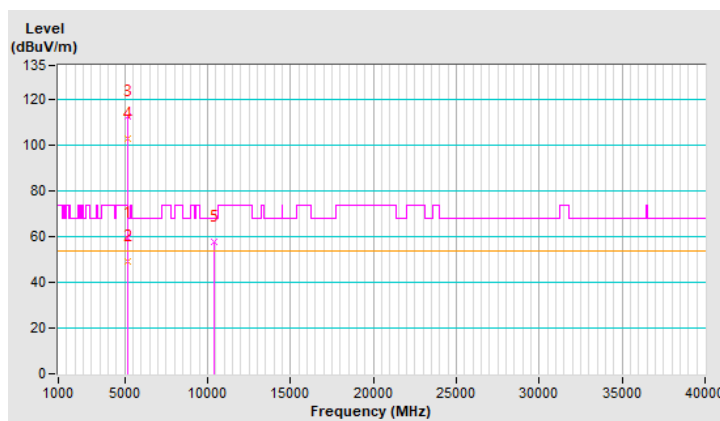


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	59.7 PK	74.0	-14.3	1.98 H	260	56.1	3.6
2	5150.00	49.4 AV	54.0	-4.6	1.98 H	260	45.8	3.6
3	*5180.00	112.5 PK			1.98 H	260	72.6	39.9
4	*5180.00	103.2 AV			1.98 H	260	63.3	39.9
5	#10360.00	57.8 PK	68.2	-10.4	1.51 H	93	48.4	9.4
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.

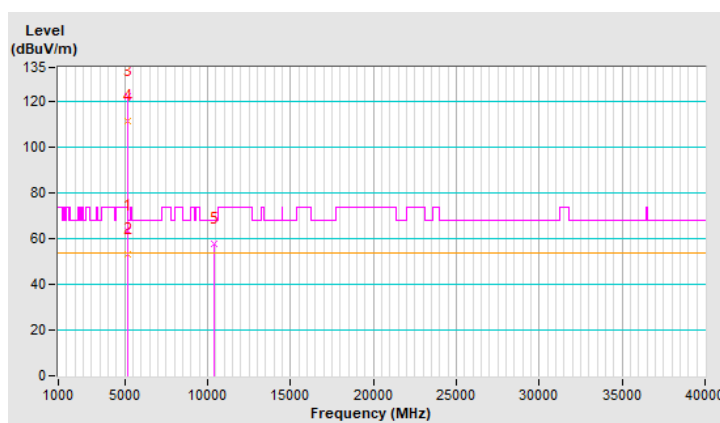


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	63.3 PK	74.0	-10.7	2.39 V	222	59.7	3.6
2	5150.00	53.0 AV	54.0	-1.0	2.39 V	222	49.4	3.6
3	*5180.00	122.4 PK			2.39 V	222	82.5	39.9
4	*5180.00	111.5 AV			2.39 V	222	71.6	39.9
5	#10360.00	58.0 PK	68.2	-10.2	1.31 V	68	48.6	9.4
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.

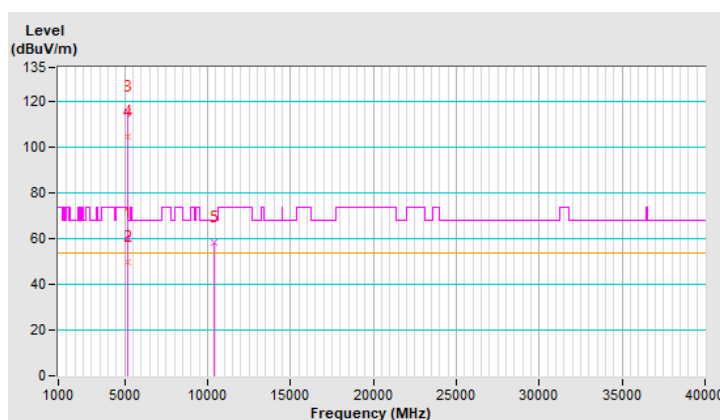


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	60.2 PK	74.0	-13.8	1.82 H	255	56.6	3.6
2	5150.00	49.7 AV	54.0	-4.3	1.82 H	255	46.1	3.6
3	*5200.00	115.5 PK			1.82 H	255	75.6	39.9
4	*5200.00	104.6 AV			1.82 H	255	64.7	39.9
5	#10400.00	58.3 PK	68.2	-9.9	1.53 H	98	48.7	9.6
6	15600.00	-	-	-	-	-	-	-
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

Remarks:

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

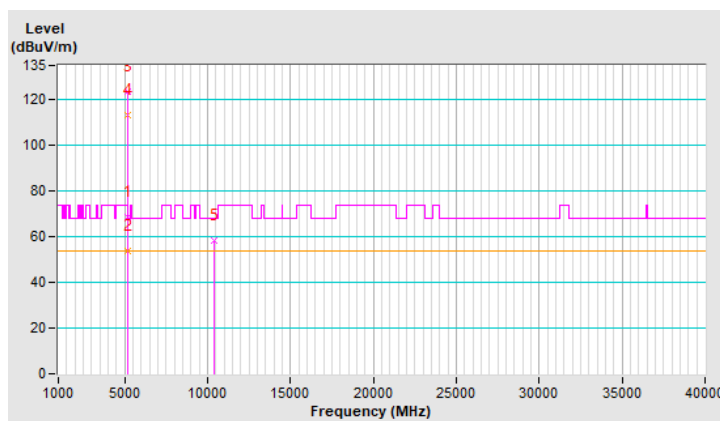


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	68.4 PK	74.0	-5.6	2.44 V	228	64.8	3.6
2	5150.00	53.9 AV	54.0	-0.1	2.44 V	228	50.3	3.6
3	*5200.00	123.3 PK			2.44 V	228	83.4	39.9
4	*5200.00	113.3 AV			2.44 V	228	73.4	39.9
5	#10400.00	58.5 PK	68.2	-9.7	1.36 V	79	48.9	9.6
6	15600.00	-	-	-	-	-	-	-
7	20800.00	-	-	-	-	-	-	-
8	#26000.00	-	-	-	-	-	-	-
9	31200.00	-	-	-	-	-	-	-
10	#36400.00	-	-	-	-	-	-	-

Remarks:

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

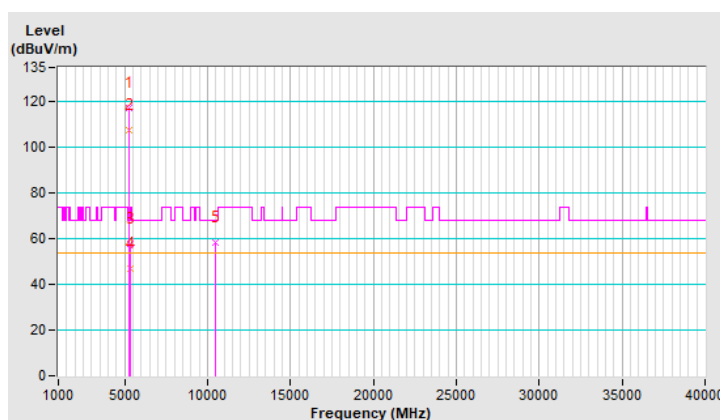


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 48 : 5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	117.5 PK			1.90 H	261	77.6	39.9
2	*5240.00	107.3 AV			1.90 H	261	67.4	39.9
3	5350.00	58.0 PK	74.0	-16.0	1.90 H	261	54.5	3.5
4	5350.00	46.8 AV	54.0	-7.2	1.90 H	261	43.3	3.5
5	#10480.00	58.4 PK	68.2	-9.8	1.52 H	97	48.8	9.6
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.

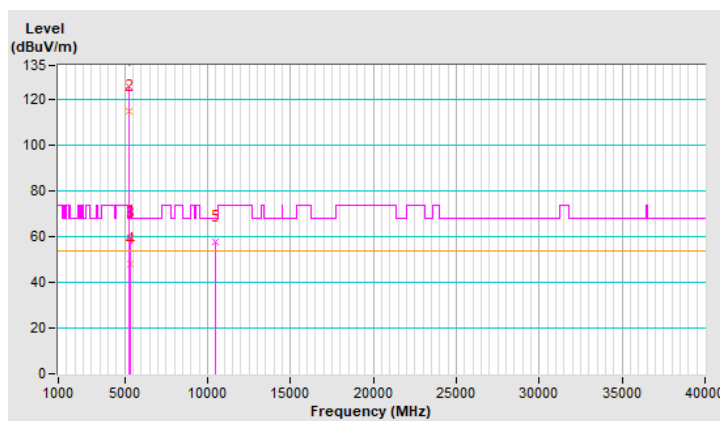


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 48 : 5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	125.6 PK			2.39 V	82	85.7	39.9
2	*5240.00	115.1 AV			2.39 V	82	75.2	39.9
3	5350.00	59.3 PK	74.0	-14.7	2.39 V	82	55.8	3.5
4	5350.00	48.2 AV	54.0	-5.8	2.39 V	82	44.7	3.5
5	#10480.00	57.9 PK	68.2	-10.3	1.28 V	77	48.3	9.6
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.

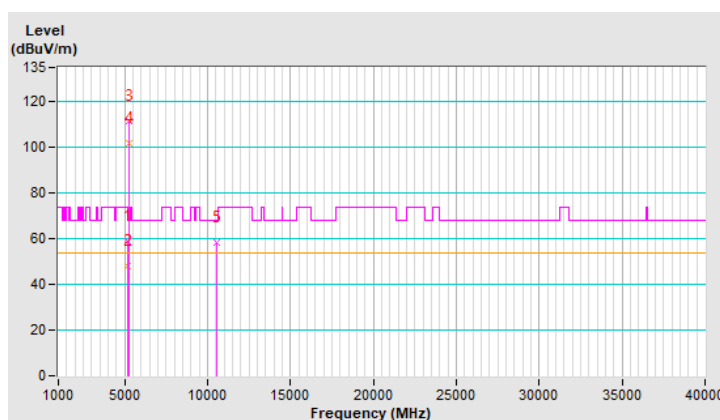


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	58.7 PK	74.0	-15.3	1.99 H	262	55.1	3.6
2	5150.00	47.8 AV	54.0	-6.2	1.99 H	262	44.2	3.6
3	*5260.00	111.8 PK			1.99 H	262	71.9	39.9
4	*5260.00	102.0 AV			1.99 H	262	62.1	39.9
5	#10520.00	58.6 PK	68.2	-9.6	1.44 H	96	48.9	9.7
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

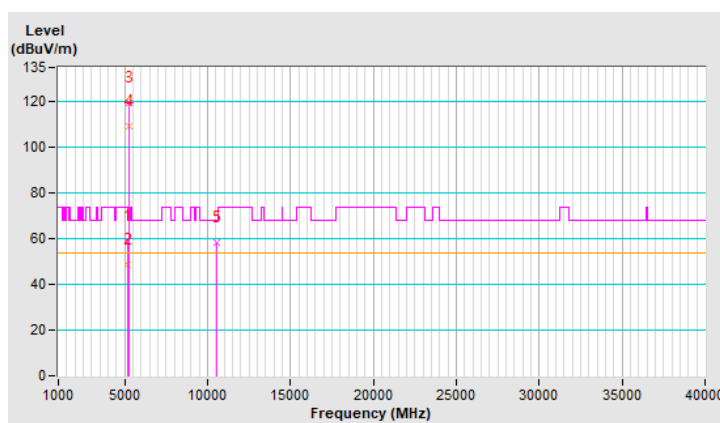


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	59.1 PK	74.0	-14.9	2.35 V	98	55.5	3.6
2	5150.00	48.7 AV	54.0	-5.3	2.35 V	98	45.1	3.6
3	*5260.00	119.7 PK			2.35 V	98	79.8	39.9
4	*5260.00	109.2 AV			2.35 V	98	69.3	39.9
5	#10520.00	58.3 PK	68.2	-9.9	1.33 V	70	48.6	9.7
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

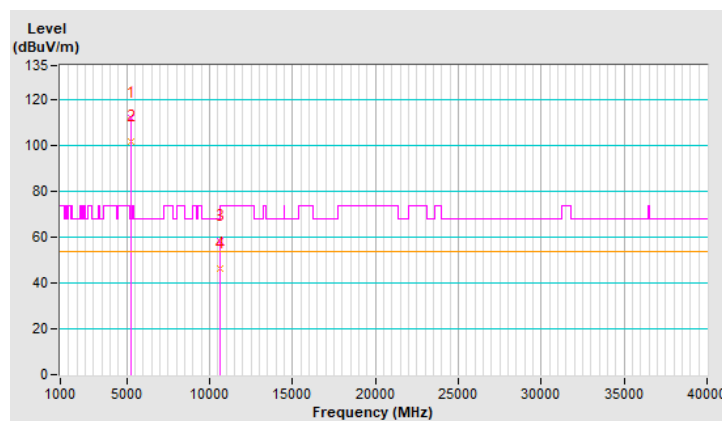


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5300.00	112.4 PK			1.84 H	256	72.5	39.9
2	*5300.00	101.7 AV			1.84 H	256	61.8	39.9
3	10600.00	58.3 PK	74.0	-15.7	1.38 H	97	48.4	9.9
4	10600.00	46.5 AV	54.0	-7.5	1.38 H	97	36.6	9.9
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

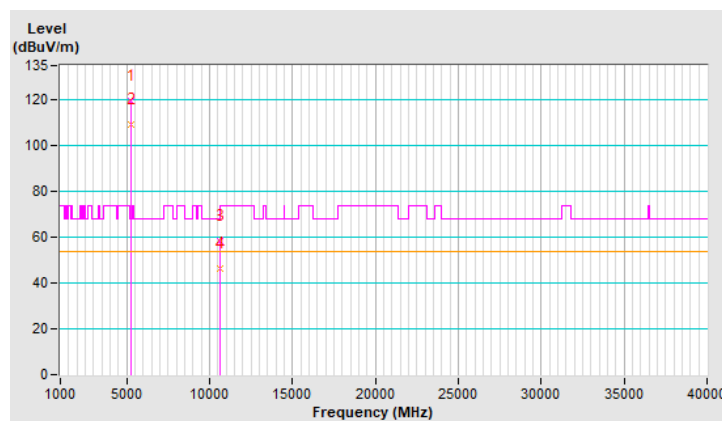


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5300.00	119.5 PK			2.35 V	226	79.6	39.9
2	*5300.00	109.1 AV			2.35 V	226	69.2	39.9
3	10600.00	58.2 PK	74.0	-15.8	1.31 V	80	48.3	9.9
4	10600.00	46.6 AV	54.0	-7.4	1.31 V	80	36.7	9.9
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

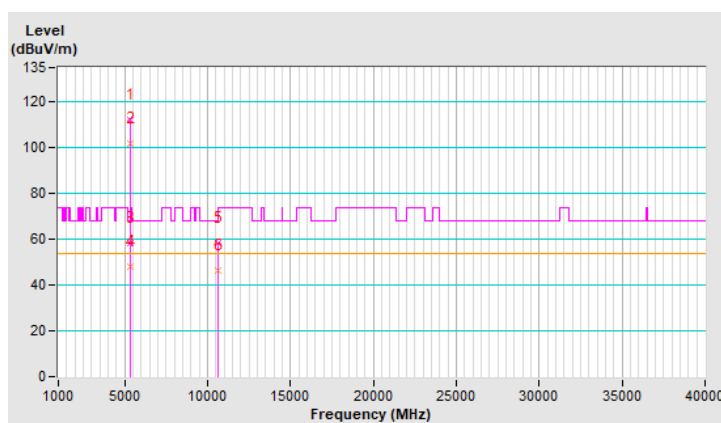


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5320.00	112.1 PK			1.94 H	255	72.3	39.8
2	*5320.00	101.7 AV			1.94 H	255	61.9	39.8
3	5350.00	58.1 PK	74.0	-15.9	1.94 H	255	54.6	3.5
4	5350.00	47.9 AV	54.0	-6.1	1.94 H	255	44.4	3.5
5	10640.00	58.4 PK	74.0	-15.6	1.58 H	101	48.5	9.9
6	10640.00	46.5 AV	54.0	-7.5	1.58 H	101	36.6	9.9
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

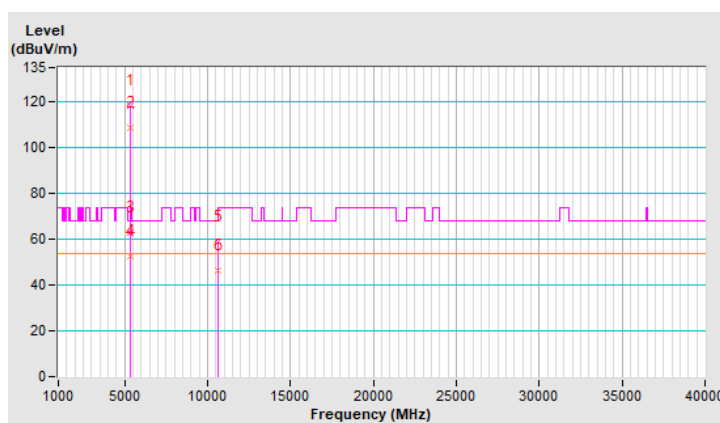


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5320.00	118.2 PK			2.35 V	84	78.4	39.8
2	*5320.00	108.9 AV			2.35 V	84	69.1	39.8
3	5350.00	62.8 PK	74.0	-11.2	2.35 V	84	59.3	3.5
4	5350.00	52.4 AV	54.0	-1.6	2.35 V	84	48.9	3.5
5	10640.00	58.7 PK	74.0	-15.3	1.41 V	76	48.8	9.9
6	10640.00	46.6 AV	54.0	-7.4	1.41 V	76	36.7	9.9
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

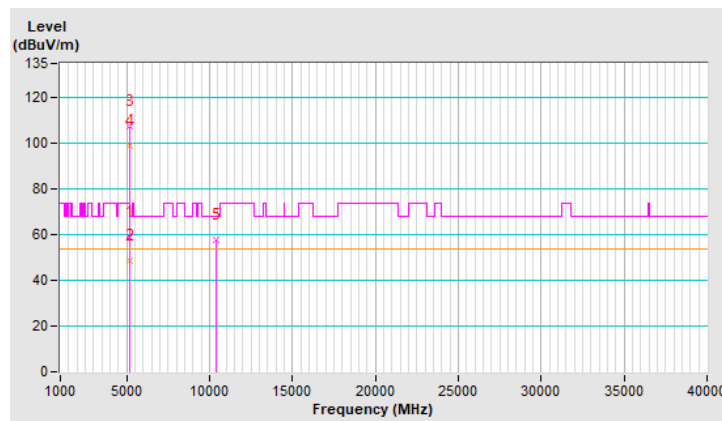


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	59.0 PK	74.0	-15.0	1.88 H	256	55.4	3.6
2	5150.00	48.9 AV	54.0	-5.1	1.88 H	256	45.3	3.6
3	*5190.00	107.8 PK			1.88 H	256	67.9	39.9
4	*5190.00	98.8 AV			1.88 H	256	58.9	39.9
5	#10380.00	58.0 PK	68.2	-10.2	1.54 H	100	48.5	9.5
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.

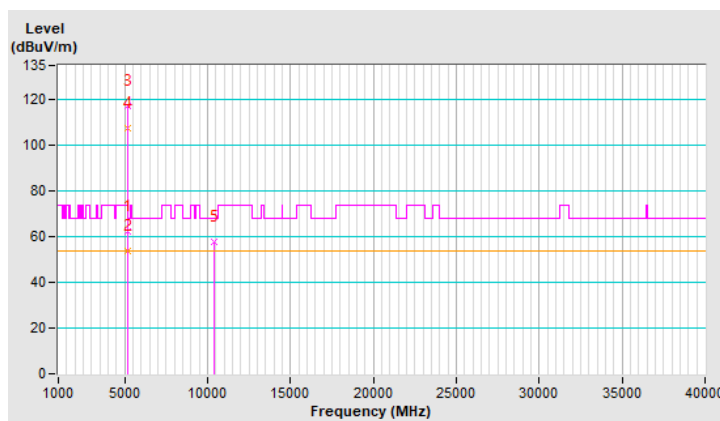


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	62.6 PK	74.0	-11.4	2.40 V	227	59.0	3.6
2	5150.00	53.5 AV	54.0	-0.5	2.40 V	227	49.9	3.6
3	*5190.00	117.4 PK			2.40 V	227	77.5	39.9
4	*5190.00	107.3 AV			2.40 V	227	67.4	39.9
5	#10380.00	57.8 PK	68.2	-10.4	1.26 V	69	48.3	9.5
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.

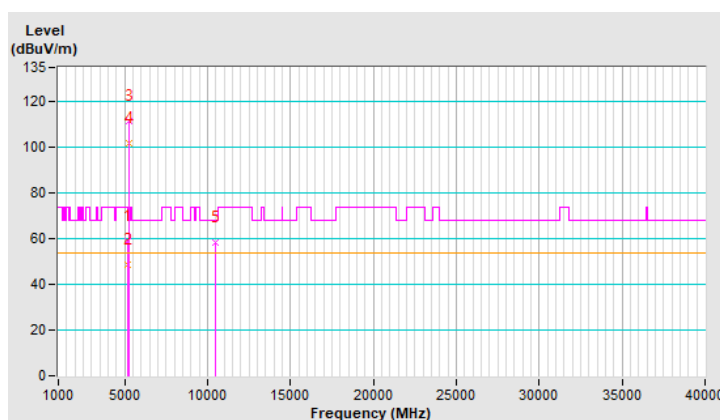


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	59.2 PK	74.0	-14.8	1.87 H	256	55.6	3.6
2	5150.00	48.7 AV	54.0	-5.3	1.87 H	256	45.1	3.6
3	*5230.00	111.7 PK			1.87 H	256	71.8	39.9
4	*5230.00	101.8 AV			1.87 H	256	61.9	39.9
5	#10460.00	58.2 PK	68.2	-10.0	1.56 H	93	48.6	9.6
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.

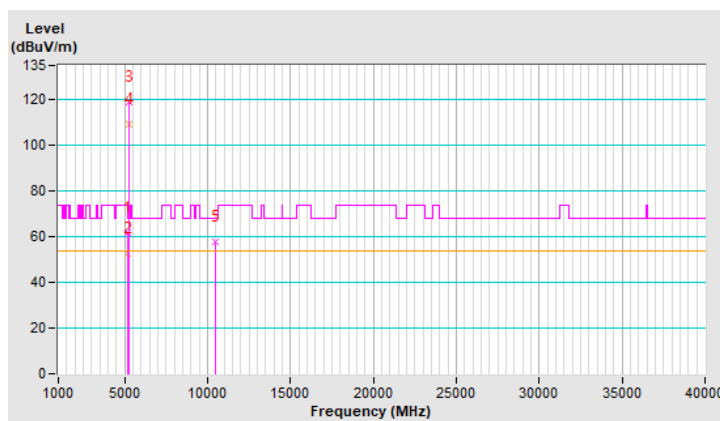


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	61.6 PK	74.0	-12.4	2.31 V	228	58.0	3.6
2	5150.00	52.6 AV	54.0	-1.4	2.31 V	228	49.0	3.6
3	*5230.00	118.8 PK			2.31 V	228	78.9	39.9
4	*5230.00	109.3 AV			2.31 V	228	69.4	39.9
5	#10460.00	58.0 PK	68.2	-10.2	1.30 V	80	48.4	9.6
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.

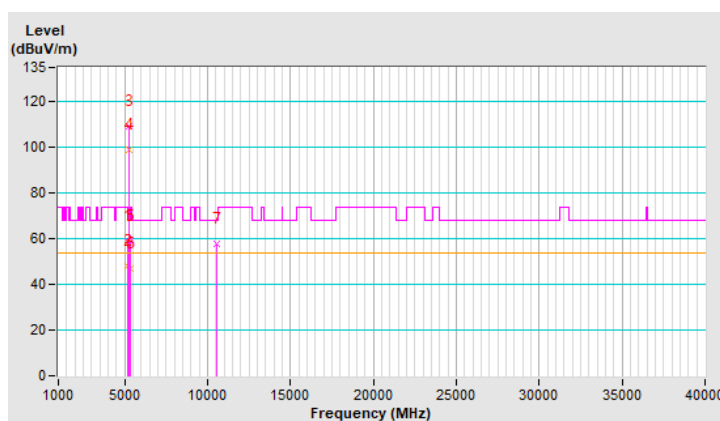


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 54 : 5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	58.7 PK	74.0	-15.3	1.93 H	263	55.1	3.6
2	5150.00	47.9 AV	54.0	-6.1	1.93 H	263	44.3	3.6
3	*5270.00	109.5 PK			1.93 H	263	69.6	39.9
4	*5270.00	99.2 AV			1.93 H	263	59.3	39.9
5	5350.00	58.7 PK	74.0	-15.3	1.93 H	263	55.2	3.5
6	5350.00	47.1 AV	54.0	-6.9	1.93 H	263	43.6	3.5
7	#10540.00	58.0 PK	68.2	-10.2	1.53 H	92	48.3	9.7
8	15810.00	-	-	-	-	-	-	-
9	21080.00	-	-	-	-	-	-	-
10	#26350.00	-	-	-	-	-	-	-
11	31620.00	-	-	-	-	-	-	-
12	#36890.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

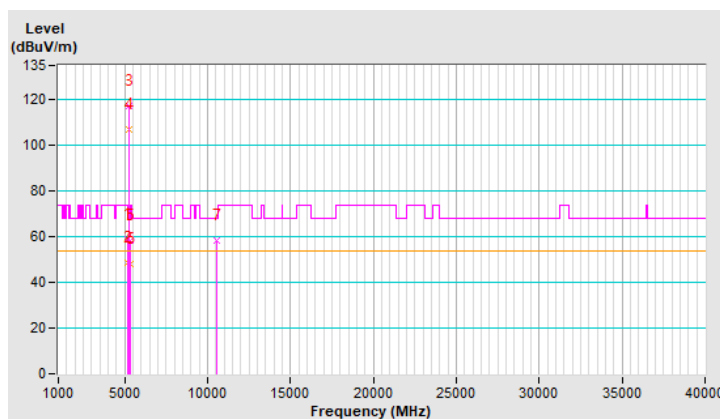


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 54 : 5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	59.2 PK	74.0	-14.8	2.40 V	83	55.6	3.6
2	5150.00	48.6 AV	54.0	-5.4	2.40 V	83	45.0	3.6
3	*5270.00	117.0 PK			2.40 V	83	77.1	39.9
4	*5270.00	106.9 AV			2.40 V	83	67.0	39.9
5	5350.00	58.2 PK	74.0	-15.8	2.40 V	83	54.7	3.5
6	5350.00	47.8 AV	54.0	-6.2	2.40 V	83	44.3	3.5
7	#10540.00	58.2 PK	68.2	-10.0	1.35 V	77	48.5	9.7
8	15810.00	-	-	-	-	-	-	-
9	21080.00	-	-	-	-	-	-	-
10	#26350.00	-	-	-	-	-	-	-
11	31620.00	-	-	-	-	-	-	-
12	#36890.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

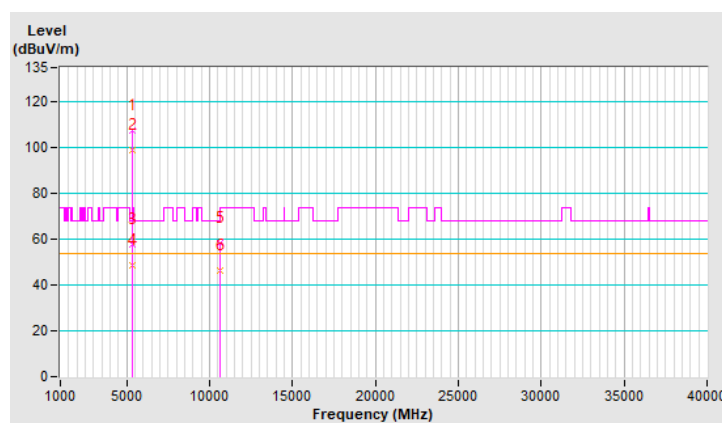


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 62：5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5310.00	107.8 PK			2.00 H	252	68.0	39.8
2	*5310.00	98.8 AV			2.00 H	252	59.0	39.8
3	5350.00	58.0 PK	74.0	-16.0	2.00 H	252	54.5	3.5
4	5350.00	48.8 AV	54.0	-5.2	2.00 H	252	45.3	3.5
5	10620.00	58.6 PK	74.0	-15.4	1.57 H	99	48.7	9.9
6	10620.00	46.6 AV	54.0	-7.4	1.57 H	99	36.7	9.9
7	15930.00	-	-	-	-	-	-	-
8	21240.00	-	-	-	-	-	-	-
9	#26550.00	-	-	-	-	-	-	-
10	#31860.00	-	-	-	-	-	-	-
11	#37170.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

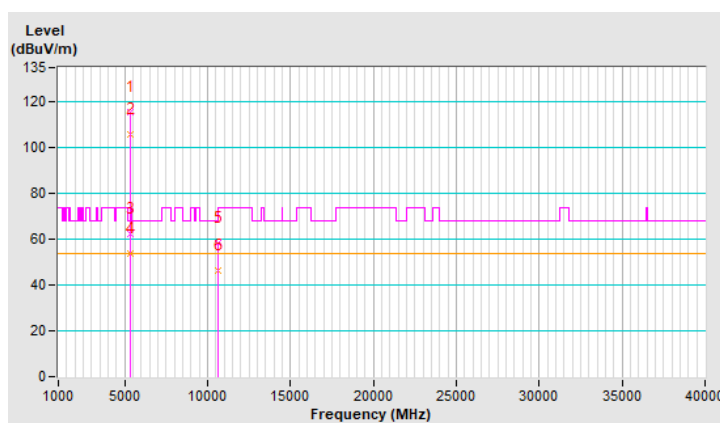


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 62：5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5310.00	115.8 PK			2.38 V	77	76.0	39.8
2	*5310.00	106.1 AV			2.38 V	77	66.3	39.8
3	5350.00	62.5 PK	74.0	-11.5	2.38 V	77	59.0	3.5
4	5350.00	53.5 AV	54.0	-0.5	2.38 V	77	50.0	3.5
5	10620.00	58.4 PK	74.0	-15.6	1.36 V	82	48.5	9.9
6	10620.00	46.5 AV	54.0	-7.5	1.36 V	82	36.6	9.9
7	15930.00	-	-	-	-	-	-	-
8	21240.00	-	-	-	-	-	-	-
9	#26550.00	-	-	-	-	-	-	-
10	#31860.00	-	-	-	-	-	-	-
11	#37170.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

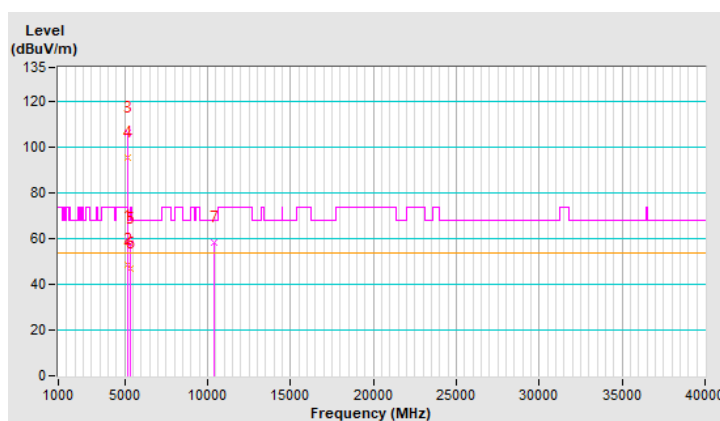


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 42 : 5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	58.7 PK	74.0	-15.3	1.79 H	260	55.1	3.6
2	5150.00	48.7 AV	54.0	-5.3	1.79 H	260	45.1	3.6
3	*5210.00	106.2 PK			1.79 H	260	66.3	39.9
4	*5210.00	95.6 AV			1.79 H	260	55.7	39.9
5	5350.00	57.7 PK	74.0	-16.3	1.79 H	260	54.2	3.5
6	5350.00	46.8 AV	54.0	-7.2	1.79 H	260	43.3	3.5
7	#10420.00	58.3 PK	68.2	-9.9	1.55 H	92	48.7	9.6
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.

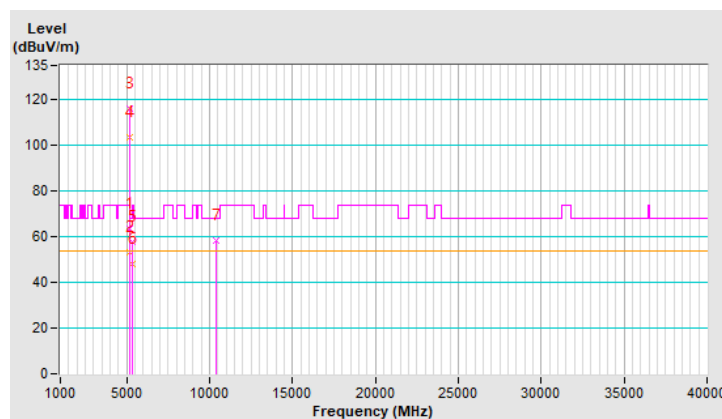


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 42 : 5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 26 日	測試者：	李睿明

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	63.4 PK	74.0	-10.6	2.34 V	224	59.8	3.6
2	5150.00	53.2 AV	54.0	-0.8	2.34 V	224	49.6	3.6
3	*5210.00	116.0 PK			2.34 V	224	76.1	39.9
4	*5210.00	103.3 AV			2.34 V	224	63.4	39.9
5	5350.00	57.7 PK	74.0	-16.3	2.34 V	224	54.2	3.5
6	5350.00	48.0 AV	54.0	-6.0	2.34 V	224	44.5	3.5
7	#10420.00	58.6 PK	68.2	-9.6	1.39 V	74	49.0	9.6
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.

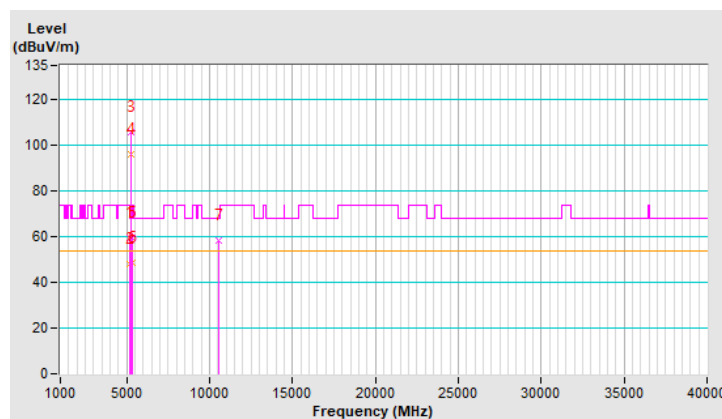


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 58 : 5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	59.6 PK	74.0	-14.4	1.96 H	292	56.0	3.6
2	5150.00	48.0 AV	54.0	-6.0	1.96 H	292	44.4	3.6
3	*5290.00	105.7 PK			1.96 H	292	65.8	39.9
4	*5290.00	96.0 AV			1.96 H	292	56.1	39.9
5	5350.00	59.7 PK	74.0	-14.3	1.96 H	292	56.2	3.5
6	5350.00	48.4 AV	54.0	-5.6	1.96 H	292	44.9	3.5
7	#10580.00	58.4 PK	68.2	-9.8	1.52 H	89	48.6	9.8
8	15870.00	-	-	-	-	-	-	-
9	21160.00	-	-	-	-	-	-	-
10	#26450.00	-	-	-	-	-	-	-
11	31740.00	-	-	-	-	-	-	-
12	#37030.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

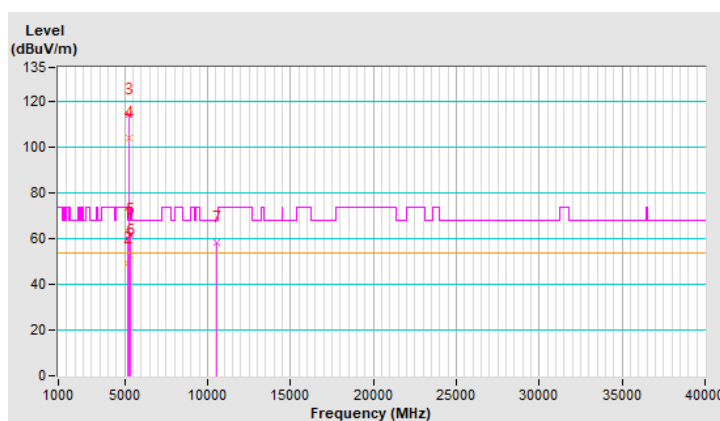


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 58 : 5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	60.0 PK	74.0	-14.0	2.40 V	87	56.4	3.6
2	5150.00	49.3 AV	54.0	-4.7	2.40 V	87	45.7	3.6
3	*5290.00	114.2 PK			2.40 V	87	74.3	39.9
4	*5290.00	103.9 AV			2.40 V	87	64.0	39.9
5	5350.00	62.0 PK	74.0	-12.0	2.40 V	87	58.5	3.5
6	5350.00	52.5 AV	54.0	-1.5	2.40 V	87	49.0	3.5
7	#10580.00	58.1 PK	68.2	-10.1	1.30 V	82	48.3	9.8
8	15870.00	-	-	-	-	-	-	-
9	21160.00	-	-	-	-	-	-	-
10	#26450.00	-	-	-	-	-	-	-
11	31740.00	-	-	-	-	-	-	-
12	#37030.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.



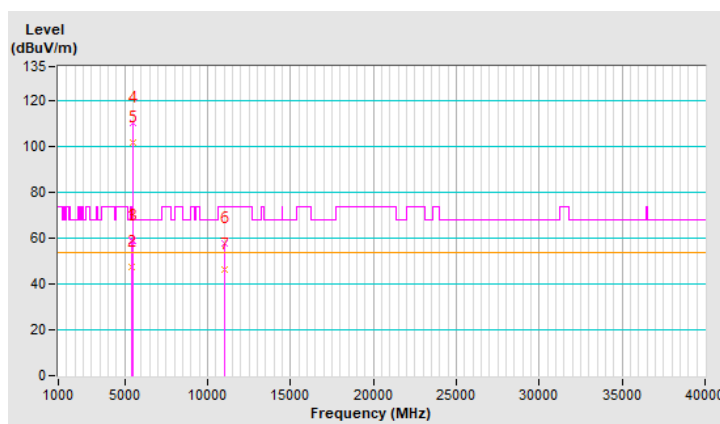
4TX

操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	58.8 PK	74.0	-15.2	3.19 H	329	54.9	3.9
2	5460.00	47.5 AV	54.0	-6.5	3.19 H	329	43.6	3.9
3	#5470.00	59.1 PK	68.2	-9.1	3.19 H	329	55.2	3.9
4	*5500.00	110.2 PK			3.19 H	329	69.9	40.3
5	*5500.00	101.6 AV			3.19 H	329	61.3	40.3
6	11000.00	57.9 PK	74.0	-16.1	1.38 H	65	48.1	9.8
7	11000.00	46.5 AV	54.0	-7.5	1.38 H	65	36.7	9.8
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

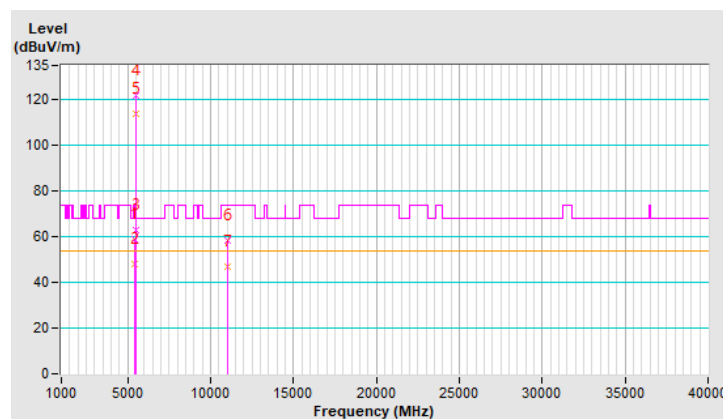


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	58.7 PK	74.0	-15.3	1.88 V	332	54.8	3.9
2	5460.00	48.1 AV	54.0	-5.9	1.88 V	332	44.2	3.9
3	#5470.00	62.8 PK	68.2	-5.4	1.88 V	332	58.9	3.9
4	*5500.00	122.1 PK			1.88 V	332	81.8	40.3
5	*5500.00	114.0 AV			1.88 V	332	73.7	40.3
6	11000.00	58.3 PK	74.0	-15.7	1.29 V	88	48.5	9.8
7	11000.00	47.0 AV	54.0	-7.0	1.29 V	88	37.2	9.8
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

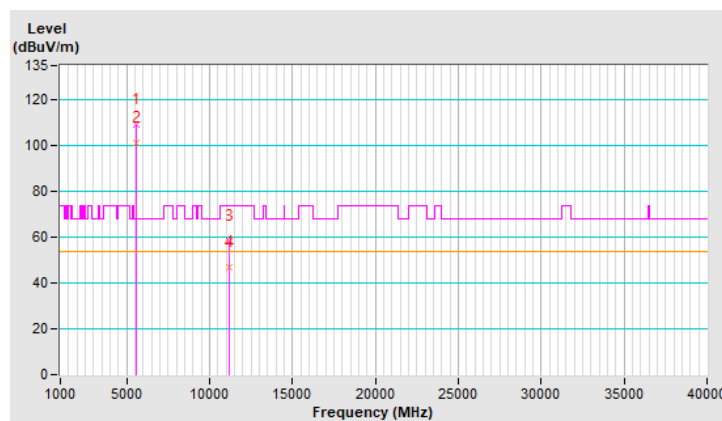


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5580.00	109.3 PK			3.22 H	333	68.8	40.5
2	*5580.00	101.0 AV			3.22 H	333	60.5	40.5
3	11160.00	58.5 PK	74.0	-15.5	1.40 H	68	48.3	10.2
4	11160.00	47.1 AV	54.0	-6.9	1.40 H	68	36.9	10.2
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

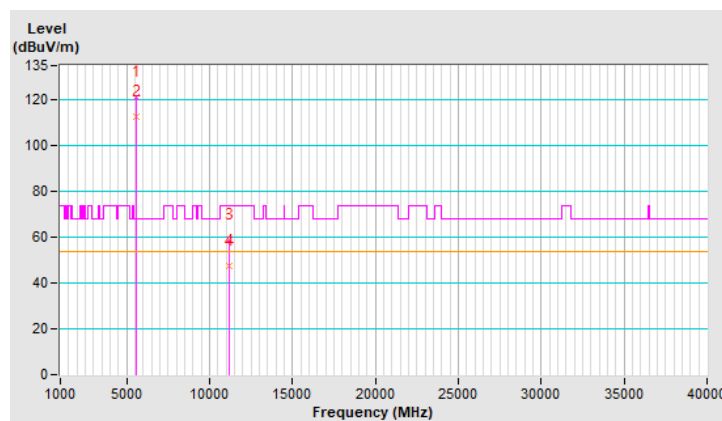


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5580.00	121.0 PK			1.83 V	345	80.5	40.5
2	*5580.00	112.8 AV			1.83 V	345	72.3	40.5
3	11160.00	58.9 PK	74.0	-15.1	1.26 V	89	48.7	10.2
4	11160.00	47.5 AV	54.0	-6.5	1.26 V	89	37.3	10.2
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

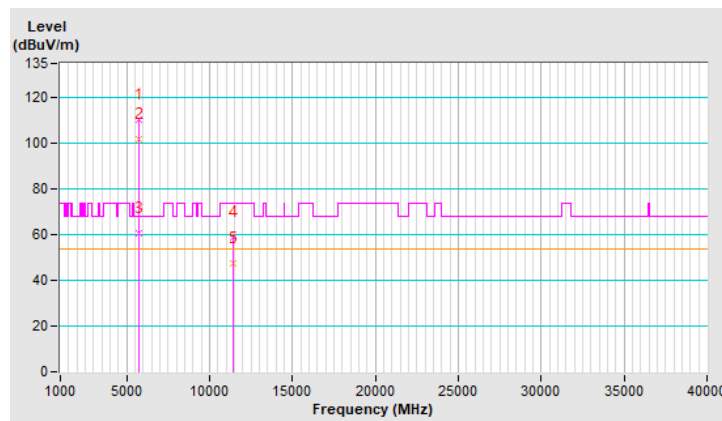


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 140：5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5700.00	110.6 PK			3.13 H	330	69.5	41.1
2	*5700.00	102.1 AV			3.13 H	330	61.0	41.1
3	#5725.00	60.4 PK	68.2	-7.8	3.13 H	330	55.6	4.8
4	11400.00	59.0 PK	74.0	-15.0	1.43 H	68	48.4	10.6
5	11400.00	47.5 AV	54.0	-6.5	1.43 H	68	36.9	10.6
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

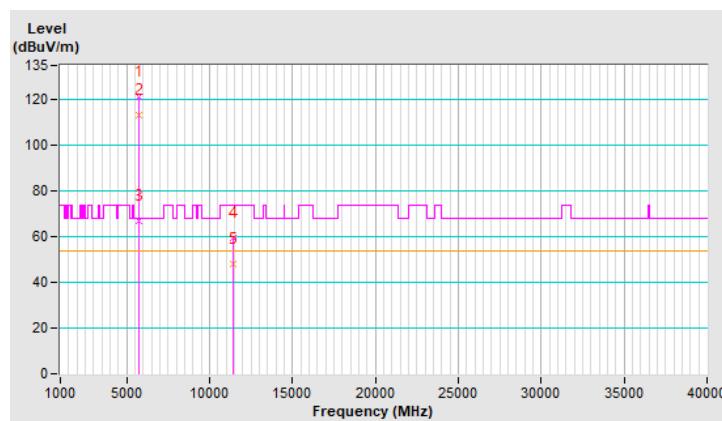


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 140：5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5700.00	121.1 PK			1.91 V	344	80.0	41.1
2	*5700.00	113.1 AV			1.91 V	344	72.0	41.1
3	#5725.00	66.9 PK	68.2	-1.3	1.91 V	344	62.1	4.8
4	11400.00	59.3 PK	74.0	-14.7	1.33 V	92	48.7	10.6
5	11400.00	48.1 AV	54.0	-5.9	1.33 V	92	37.5	10.6
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

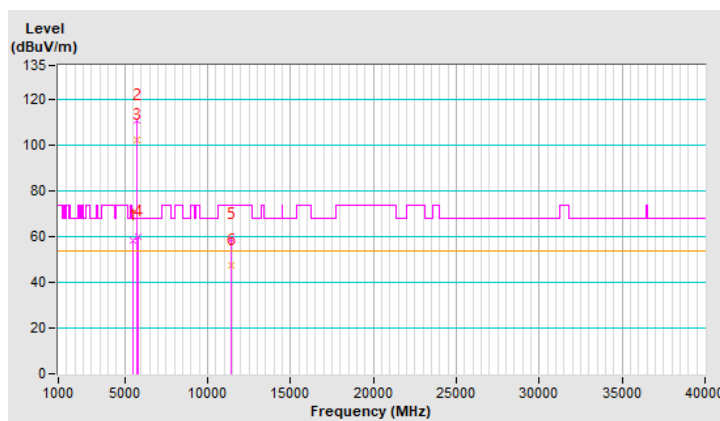


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 144：5720 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	58.3 PK	68.2	-9.9	3.23 H	313	54.4	3.9
2	*5720.00	111.0 PK			3.23 H	313	69.8	41.2
3	*5720.00	102.4 AV			3.23 H	313	61.2	41.2
4	#5850.00	59.8 PK	68.2	-8.4	3.23 H	313	54.6	5.2
5	11440.00	58.7 PK	74.0	-15.3	1.32 H	63	48.4	10.3
6	11440.00	47.3 AV	54.0	-6.7	1.32 H	63	37.0	10.3
7	#17160.00	-	-	-	-	-	-	-
8	22880.00	-	-	-	-	-	-	-
9	#28600.00	-	-	-	-	-	-	-
10	#34320.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

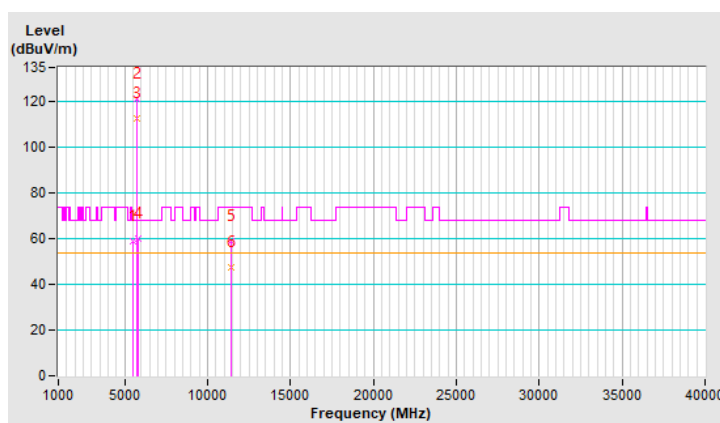


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 144 : 5720 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	58.7 PK	68.2	-9.5	1.90 V	347	54.8	3.9
2	*5720.00	121.1 PK			1.90 V	347	79.9	41.2
3	*5720.00	112.8 AV			1.90 V	347	71.6	41.2
4	#5850.00	59.9 PK	68.2	-8.3	1.90 V	347	54.7	5.2
5	11440.00	59.0 PK	74.0	-15.0	1.35 V	85	48.7	10.3
6	11440.00	47.6 AV	54.0	-6.4	1.35 V	85	37.3	10.3
7	#17160.00	-	-	-	-	-	-	-
8	22880.00	-	-	-	-	-	-	-
9	#28600.00	-	-	-	-	-	-	-
10	#34320.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

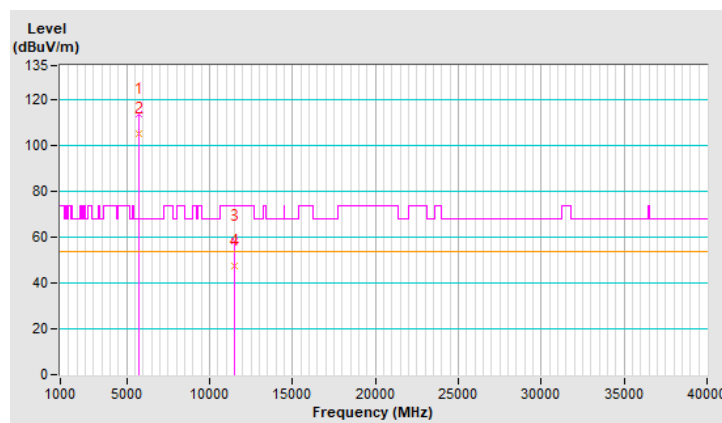


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	113.8 PK			3.18 H	311	72.5	41.3
2	*5745.00	105.2 AV			3.18 H	311	63.9	41.3
3	11490.00	58.6 PK	74.0	-15.4	1.42 H	68	48.6	10.0
4	11490.00	47.4 AV	54.0	-6.6	1.42 H	68	37.4	10.0
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.

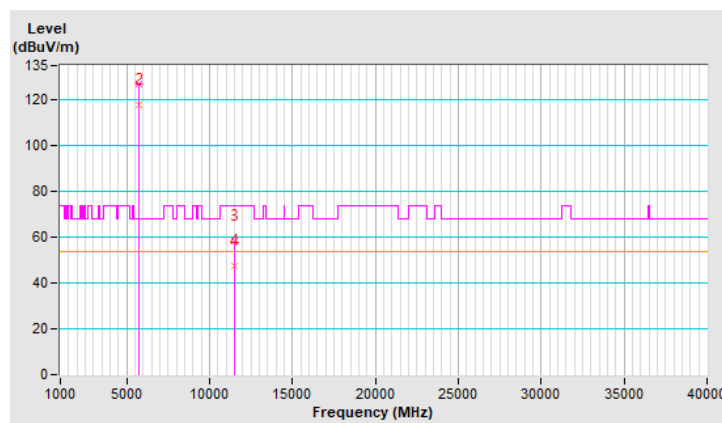


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	127.2 PK			1.93 V	345	85.9	41.3
2	*5745.00	117.8 AV			1.93 V	345	76.5	41.3
3	11490.00	58.2 PK	74.0	-15.8	1.30 V	97	48.2	10.0
4	11490.00	47.3 AV	54.0	-6.7	1.30 V	97	37.3	10.0
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.

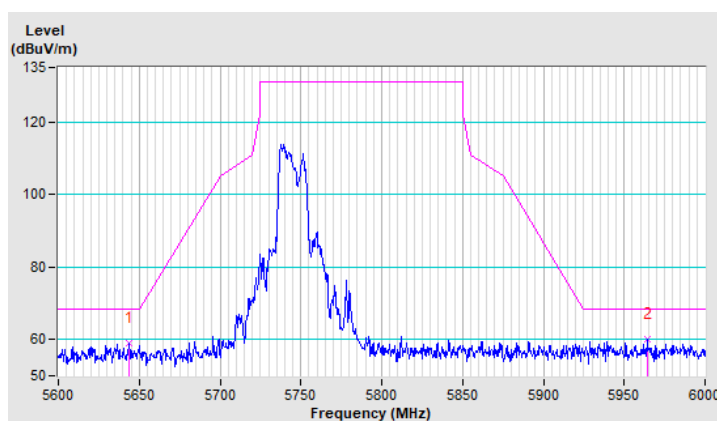


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 149 : 5745 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	#5644.00	58.9 PK	68.2	-9.3	3.18 H	311	54.4	4.5
2	#5964.00	60.0 PK	68.2	-8.2	3.18 H	311	54.7	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.
5. " # ": The radiated frequency is out of the restricted band.

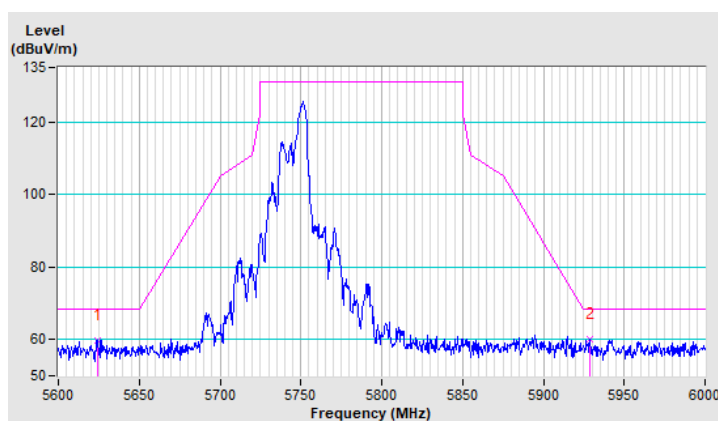


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 149 : 5745 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	#5624.00	59.8 PK	68.2	-8.4	1.93 V	345	55.5	4.3
2	#5928.40	60.2 PK	68.2	-8.0	1.93 V	345	54.9	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.
5. " # ": The radiated frequency is out of the restricted band.

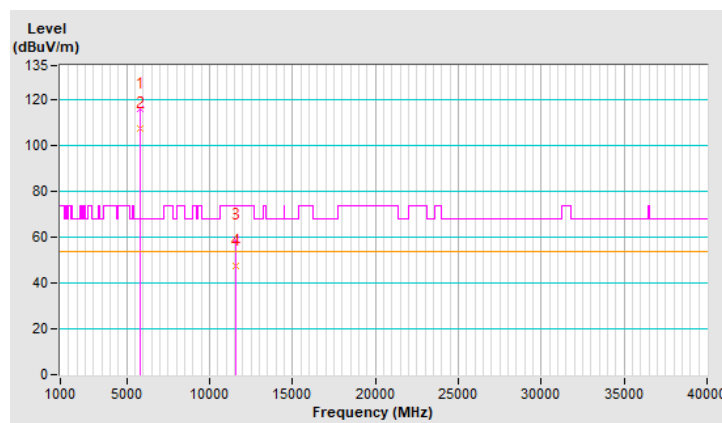


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	116.0 PK			3.30 H	312	74.5	41.5
2	*5785.00	107.3 AV			3.30 H	312	65.8	41.5
3	11570.00	58.9 PK	74.0	-15.1	1.52 H	69	48.7	10.2
4	11570.00	47.6 AV	54.0	-6.4	1.52 H	69	37.4	10.2
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.

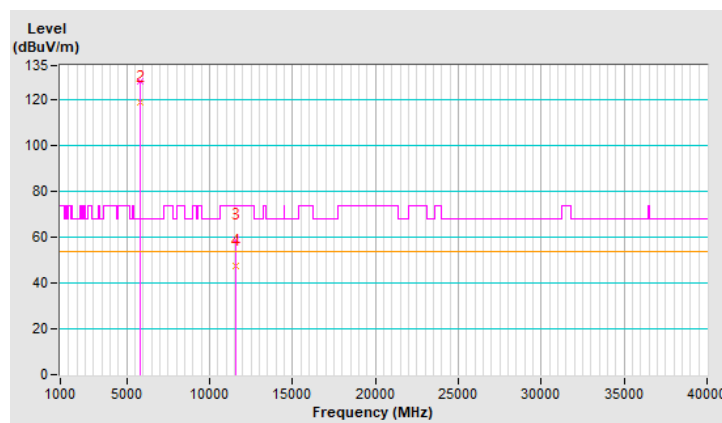


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	128.0 PK			1.74 V	350	86.5	41.5
2	*5785.00	119.0 AV			1.74 V	350	77.5	41.5
3	11570.00	58.7 PK	74.0	-15.3	1.32 V	85	48.5	10.2
4	11570.00	47.7 AV	54.0	-6.3	1.32 V	85	37.5	10.2
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.

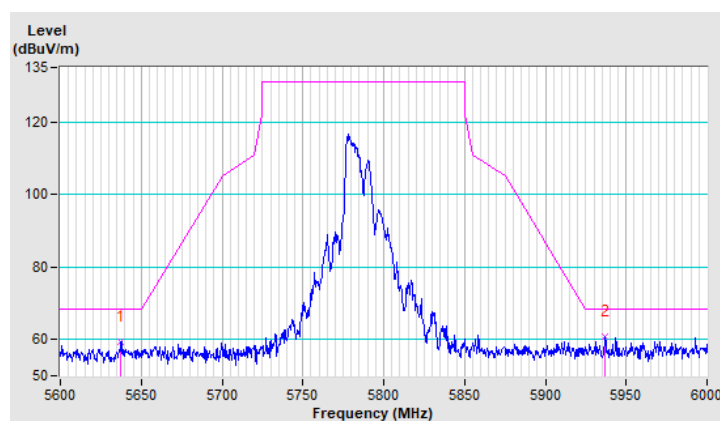


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 157 : 5785 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	59.5 PK	68.2	-8.7	3.30 H	312	55.0	4.5
2	#5937.20	60.7 PK	68.2	-7.5	3.30 H	312	55.4	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.
5. " # ": The radiated frequency is out of the restricted band.

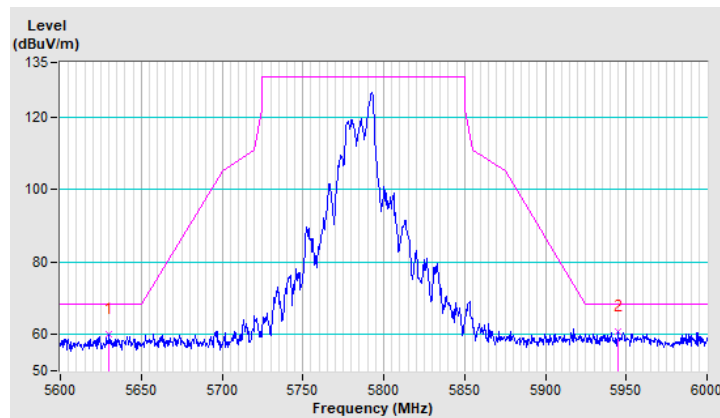


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 157 : 5785 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	#5630.00	60.1 PK	68.2	-8.1	1.74 V	350	55.7	4.4
2	#5944.80	60.7 PK	68.2	-7.5	1.74 V	350	55.4	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.
5. " # ": The radiated frequency is out of the restricted band.

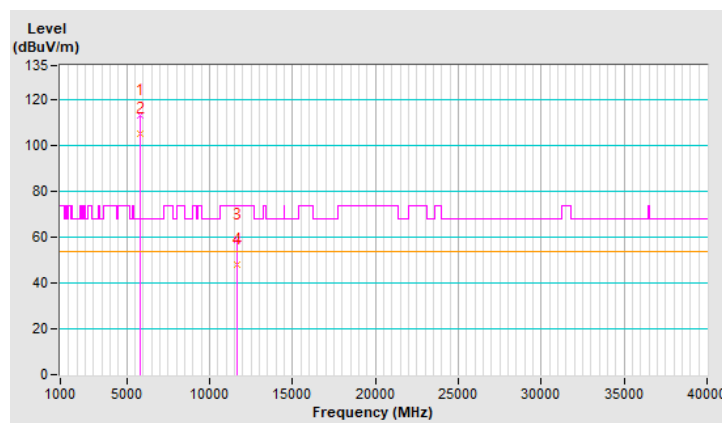


操 作 模 式 :	發射 802.11a	調 變 技 術 :	OFDM-MIMO
基 本 波 頻 率 :	CH 165 : 5825 MHz	檢 測 器 與 頻 寬 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量 測 場 地 溫 度 :	23 °C	量 測 場 地 濕 度 :	68% RH
測 試 日 期 :	110 年 10 月 28 日	測 試 者 :	李 睿 明

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	113.5 PK			3.14 H	312	71.9	41.6
2	*5825.00	105.2 AV			3.14 H	312	63.6	41.6
3	11650.00	58.9 PK	74.0	-15.1	1.44 H	63	48.6	10.3
4	11650.00	47.8 AV	54.0	-6.2	1.44 H	63	37.5	10.3
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.

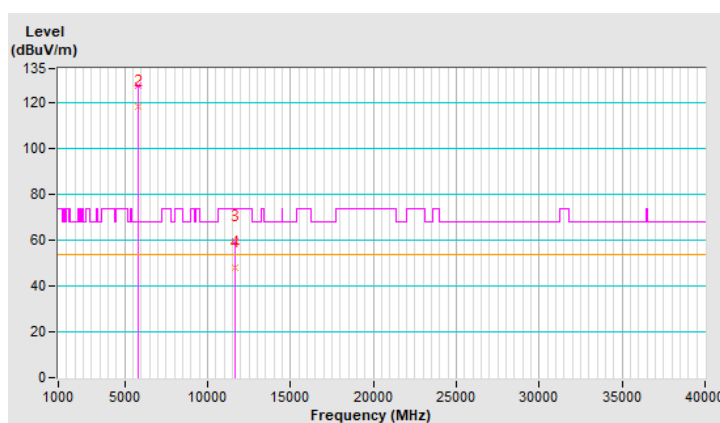


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	127.6 PK			1.83 V	345	86.0	41.6
2	*5825.00	118.6 AV			1.83 V	345	77.0	41.6
3	11650.00	59.3 PK	74.0	-14.7	1.37 V	90	49.0	10.3
4	11650.00	48.2 AV	54.0	-5.8	1.37 V	90	37.9	10.3
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.

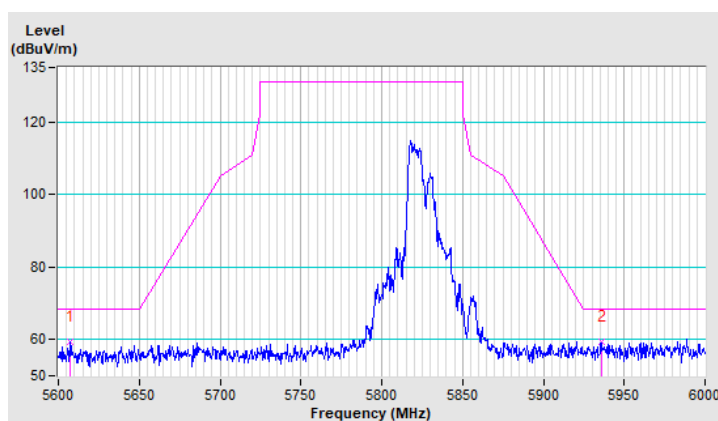


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 165 : 5825 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	#5607.60	59.4 PK	68.2	-8.8	3.14 H	312	55.2	4.2
2	#5936.00	59.2 PK	68.2	-9.0	3.14 H	312	53.9	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.
5. " # ": The radiated frequency is out of the restricted band.

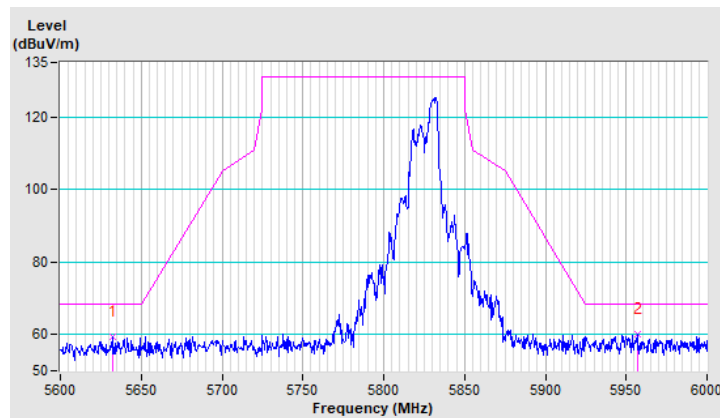


操作模式：	發射 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 165 : 5825 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	#5632.00	59.5 PK	68.2	-8.7	1.83 V	345	55.1	4.4
2	#5956.80	60.1 PK	68.2	-8.1	1.83 V	345	54.8	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.
5. " # ": The radiated frequency is out of the restricted band.

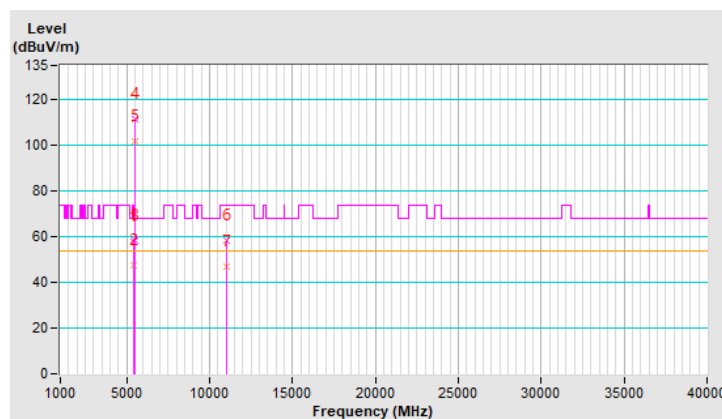


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	57.9 PK	74.0	-16.1	3.20 H	335	54.0	3.9
2	5460.00	47.6 AV	54.0	-6.4	3.20 H	335	43.7	3.9
3	#5470.00	58.4 PK	68.2	-9.8	3.20 H	335	54.5	3.9
4	*5500.00	111.8 PK			3.20 H	335	71.5	40.3
5	*5500.00	102.1 AV			3.20 H	335	61.8	40.3
6	11000.00	58.3 PK	74.0	-15.7	1.46 H	60	48.5	9.8
7	11000.00	46.9 AV	54.0	-7.1	1.46 H	60	37.1	9.8
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

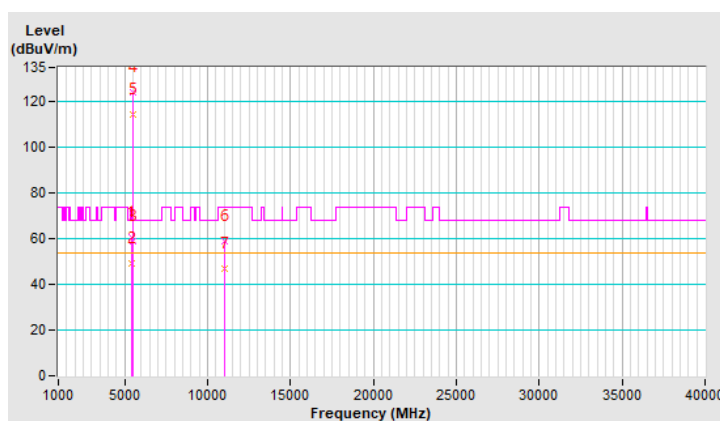


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	60.4 PK	74.0	-13.6	1.87 V	342	56.5	3.9
2	5460.00	49.3 AV	54.0	-4.7	1.87 V	342	45.4	3.9
3	#5470.00	58.9 PK	68.2	-9.3	1.87 V	342	55.0	3.9
4	*5500.00	124.4 PK			1.87 V	342	84.1	40.3
5	*5500.00	114.2 AV			1.87 V	342	73.9	40.3
6	11000.00	58.7 PK	74.0	-15.3	1.31 V	94	48.9	9.8
7	11000.00	47.1 AV	54.0	-6.9	1.31 V	94	37.3	9.8
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

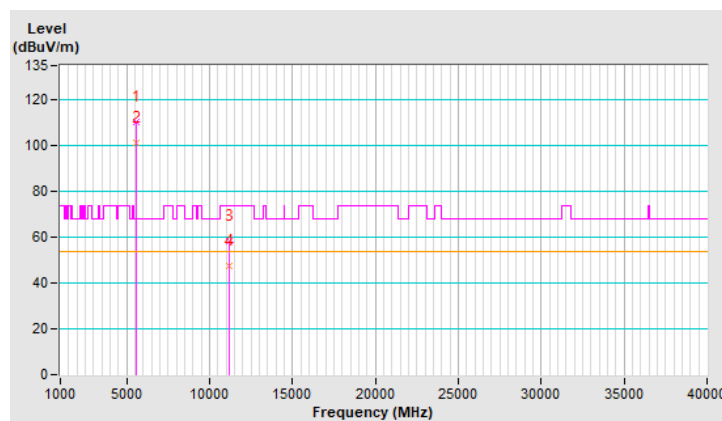


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5580.00	110.2 PK			3.19 H	307	69.7	40.5
2	*5580.00	101.1 AV			3.19 H	307	60.6	40.5
3	11160.00	58.3 PK	74.0	-15.7	1.40 H	62	48.1	10.2
4	11160.00	47.4 AV	54.0	-6.6	1.40 H	62	37.2	10.2
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

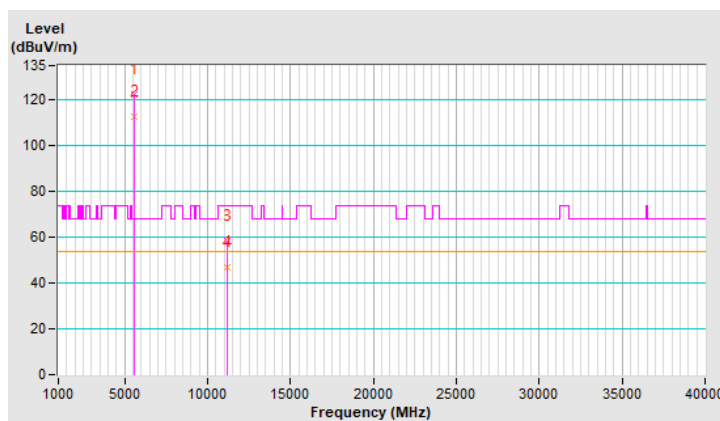


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5580.00	122.3 PK			1.92 V	343	81.8	40.5
2	*5580.00	112.6 AV			1.92 V	343	72.1	40.5
3	11160.00	58.4 PK	74.0	-15.6	1.33 V	96	48.2	10.2
4	11160.00	47.0 AV	54.0	-7.0	1.33 V	96	36.8	10.2
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

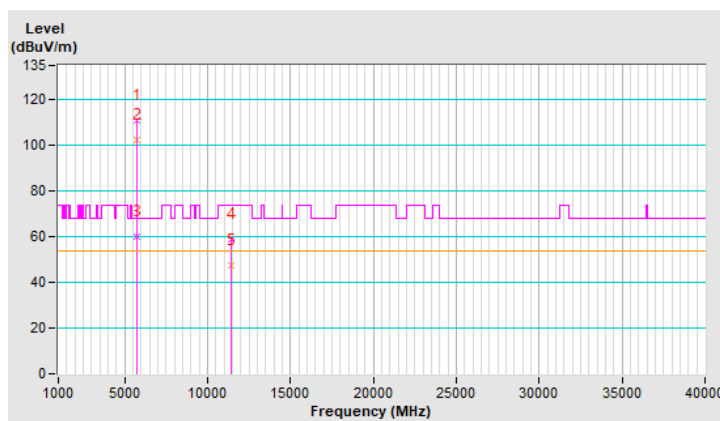


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5700.00	110.9 PK			3.22 H	328	69.8	41.1
2	*5700.00	102.6 AV			3.22 H	328	61.5	41.1
3	#5725.00	59.8 PK	68.2	-8.4	3.22 H	328	55.0	4.8
4	11400.00	59.0 PK	74.0	-15.0	1.44 H	66	48.4	10.6
5	11400.00	47.6 AV	54.0	-6.4	1.44 H	66	37.0	10.6
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

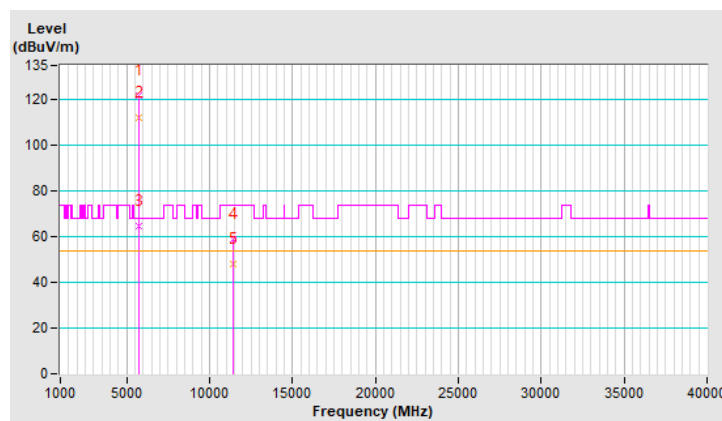


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 140：5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5700.00	122.1 PK			1.86 V	344	81.0	41.1
2	*5700.00	112.3 AV			1.86 V	344	71.2	41.1
3	#5725.00	64.6 PK	68.2	-3.6	1.86 V	344	59.8	4.8
4	11400.00	59.2 PK	74.0	-14.8	1.27 V	98	48.6	10.6
5	11400.00	48.0 AV	54.0	-6.0	1.27 V	98	37.4	10.6
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

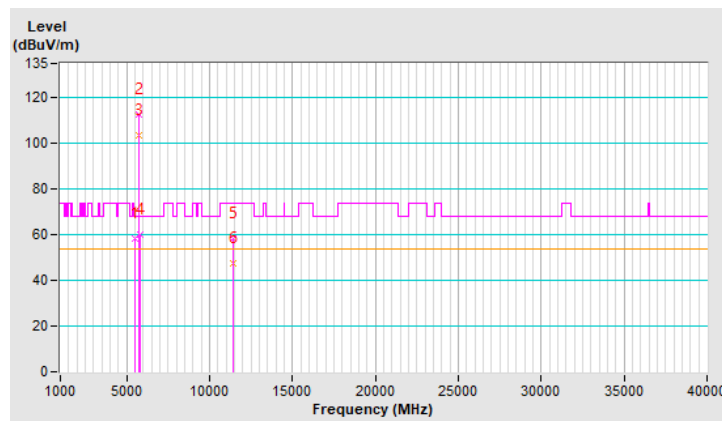


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 144：5720 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	58.4 PK	68.2	-9.8	3.16 H	331	54.5	3.9
2	*5720.00	112.7 PK			3.16 H	331	71.5	41.2
3	*5720.00	103.4 AV			3.16 H	331	62.2	41.2
4	#5850.00	60.1 PK	68.2	-8.1	3.16 H	331	54.9	5.2
5	11440.00	58.5 PK	74.0	-15.5	1.34 H	67	48.2	10.3
6	11440.00	47.6 AV	54.0	-6.4	1.34 H	67	37.3	10.3
7	#17160.00	-	-	-	-	-	-	-
8	22880.00	-	-	-	-	-	-	-
9	#28600.00	-	-	-	-	-	-	-
10	#34320.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

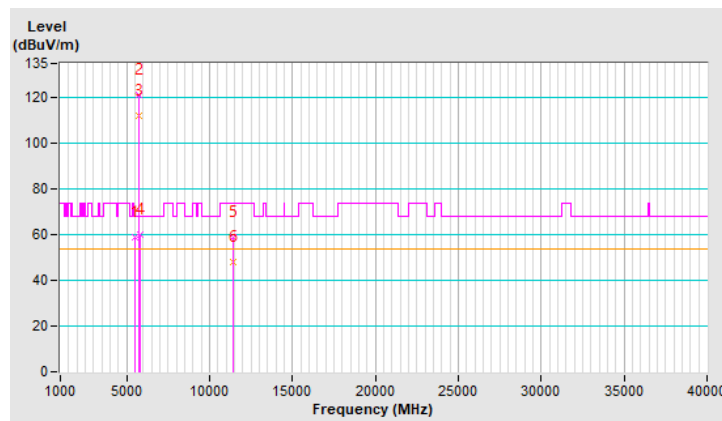


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 144 : 5720 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	58.7 PK	68.2	-9.5	1.93 V	347	54.8	3.9
2	*5720.00	121.3 PK			1.93 V	347	80.1	41.2
3	*5720.00	111.9 AV			1.93 V	347	70.7	41.2
4	#5850.00	60.3 PK	68.2	-7.9	1.93 V	347	55.1	5.2
5	11440.00	59.1 PK	74.0	-14.9	1.25 V	81	48.8	10.3
6	11440.00	47.8 AV	54.0	-6.2	1.25 V	81	37.5	10.3
7	#17160.00	-	-	-	-	-	-	-
8	22880.00	-	-	-	-	-	-	-
9	#28600.00	-	-	-	-	-	-	-
10	#34320.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

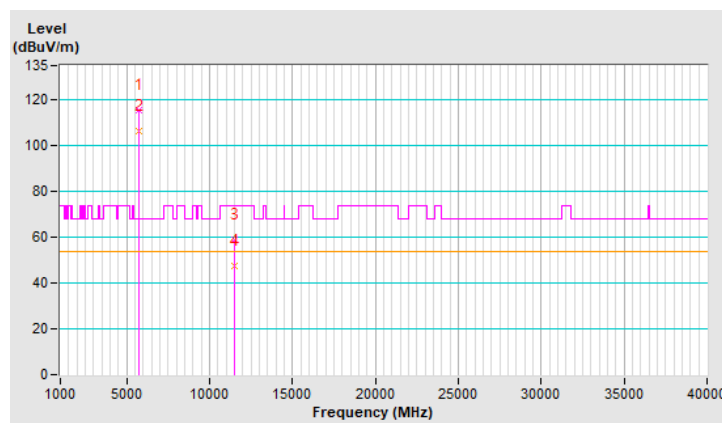


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	115.8 PK			3.17 H	313	74.5	41.3
2	*5745.00	106.6 AV			3.17 H	313	65.3	41.3
3	11490.00	58.9 PK	74.0	-15.1	1.45 H	71	48.9	10.0
4	11490.00	47.4 AV	54.0	-6.6	1.45 H	71	37.4	10.0
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.

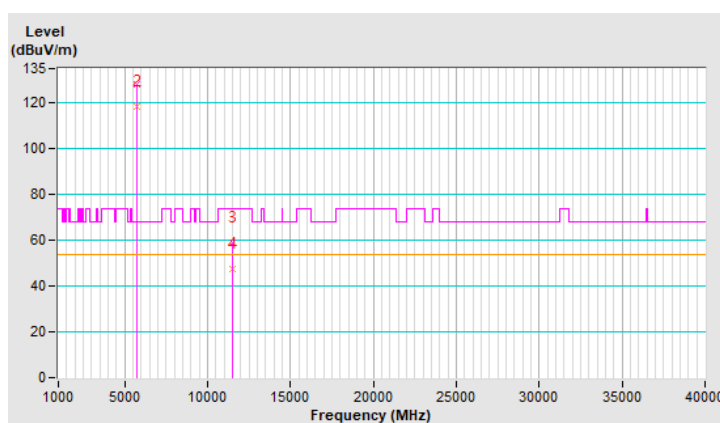


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	127.9 PK			1.66 V	345	86.6	41.3
2	*5745.00	118.5 AV			1.66 V	345	77.2	41.3
3	11490.00	58.7 PK	74.0	-15.3	1.31 V	92	48.7	10.0
4	11490.00	47.2 AV	54.0	-6.8	1.31 V	92	37.2	10.0
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.

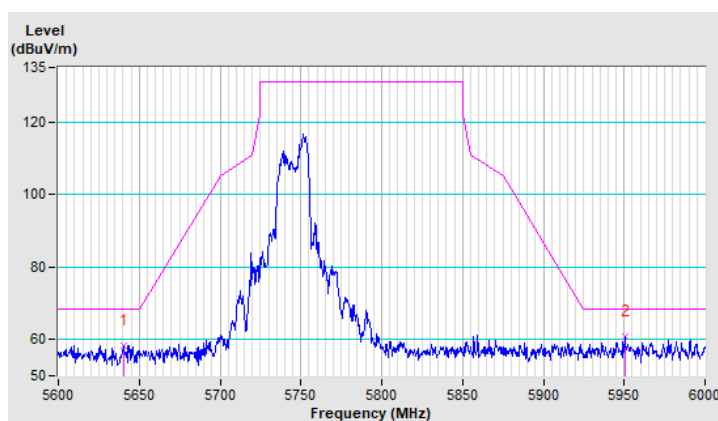


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 149 : 5745 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5640.40	58.4 PK	68.2	-9.8	3.17 H	313	53.9	4.5
2	#5950.40	60.7 PK	68.2	-7.5	3.17 H	313	55.4	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.
5. " # ": The radiated frequency is out of the restricted band.

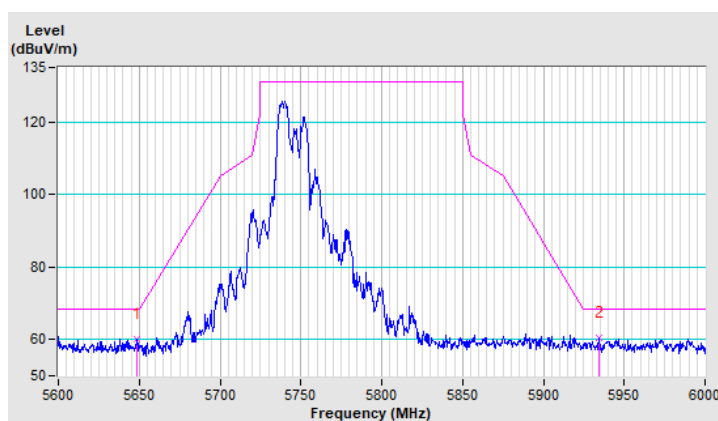


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 149 : 5745 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	60.1 PK	68.2	-8.1	1.66 V	345	55.6	4.5
2	#5934.40	60.3 PK	68.2	-7.9	1.66 V	345	55.0	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.
5. " # ": The radiated frequency is out of the restricted band.

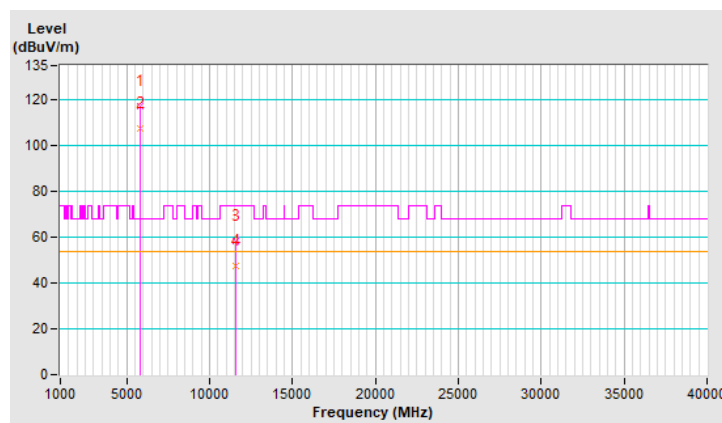


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	117.1 PK			2.97 H	330	75.6	41.5
2	*5785.00	107.5 AV			2.97 H	330	66.0	41.5
3	11570.00	58.5 PK	74.0	-15.5	1.40 H	56	48.3	10.2
4	11570.00	47.6 AV	54.0	-6.4	1.40 H	56	37.4	10.2
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.

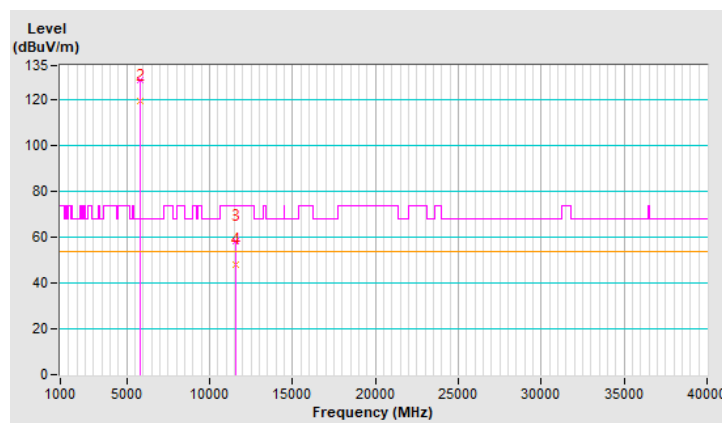


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	128.6 PK			1.67 V	347	87.1	41.5
2	*5785.00	119.5 AV			1.67 V	347	78.0	41.5
3	11570.00	58.4 PK	74.0	-15.6	1.36 V	99	48.2	10.2
4	11570.00	47.8 AV	54.0	-6.2	1.36 V	99	37.6	10.2
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.

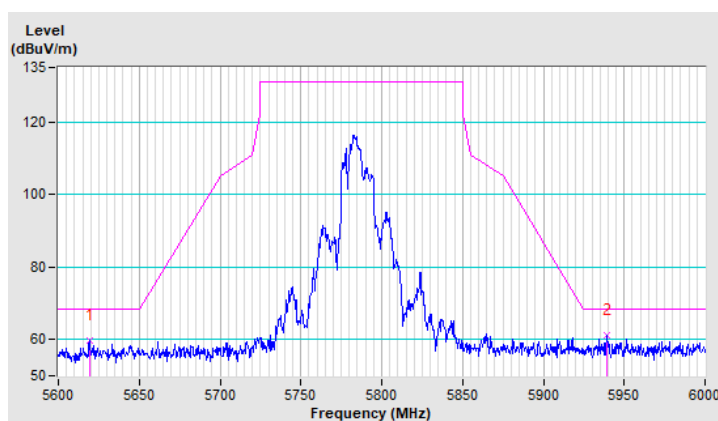


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 157 : 5785 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5619.20	59.9 PK	68.2	-8.3	2.97 H	330	55.6	4.3
2	#5939.20	61.1 PK	68.2	-7.1	2.97 H	330	55.8	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.
5. " # ": The radiated frequency is out of the restricted band.

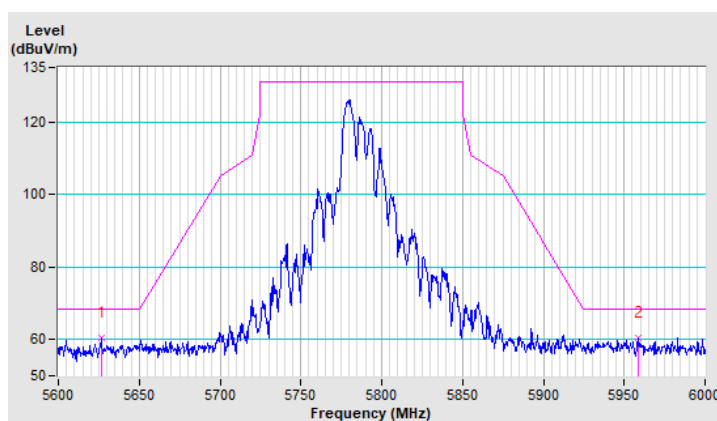


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 157 : 5785 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5626.40	60.4 PK	68.2	-7.8	1.67 V	347	56.0	4.4
2	#5958.40	60.5 PK	68.2	-7.7	1.67 V	347	55.2	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.
5. " # ": The radiated frequency is out of the restricted band.

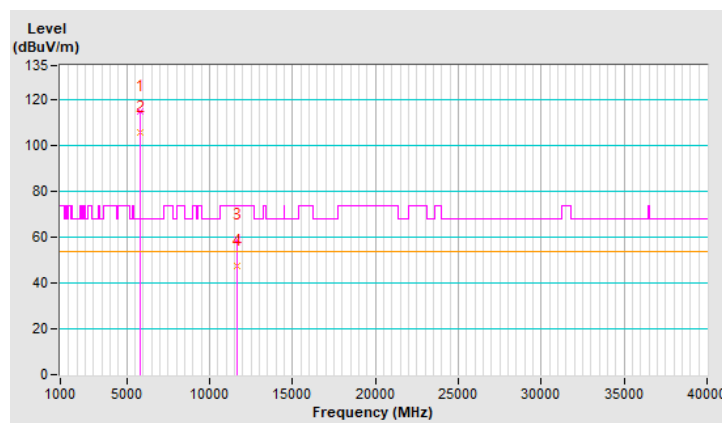


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	114.9 PK			3.16 H	312	73.3	41.6
2	*5825.00	105.8 AV			3.16 H	312	64.2	41.6
3	11650.00	58.7 PK	74.0	-15.3	1.49 H	61	48.4	10.3
4	11650.00	47.5 AV	54.0	-6.5	1.49 H	61	37.2	10.3
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.

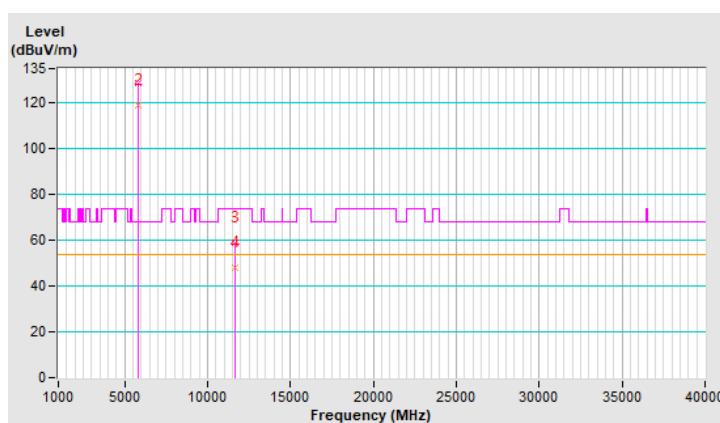


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	128.6 PK			1.90 V	339	87.0	41.6
2	*5825.00	119.1 AV			1.90 V	339	77.5	41.6
3	11650.00	59.0 PK	74.0	-15.0	1.23 V	82	48.7	10.3
4	11650.00	47.8 AV	54.0	-6.2	1.23 V	82	37.5	10.3
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.

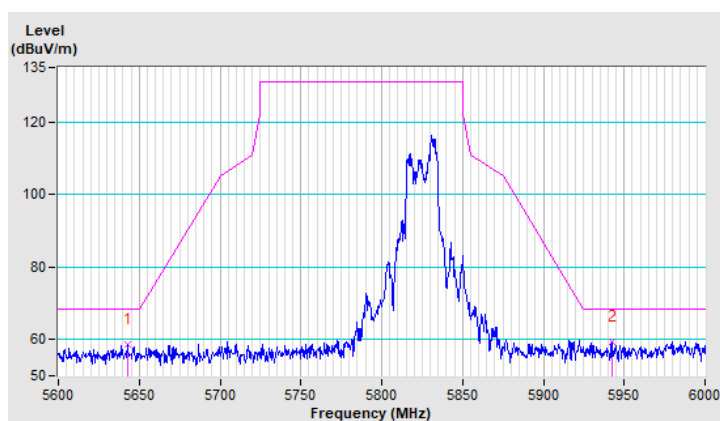


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 165 : 5825 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5642.80	58.7 PK	68.2	-9.5	3.16 H	312	54.2	4.5
2	#5942.40	59.3 PK	68.2	-8.9	3.16 H	312	54.0	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.
5. " # ": The radiated frequency is out of the restricted band.

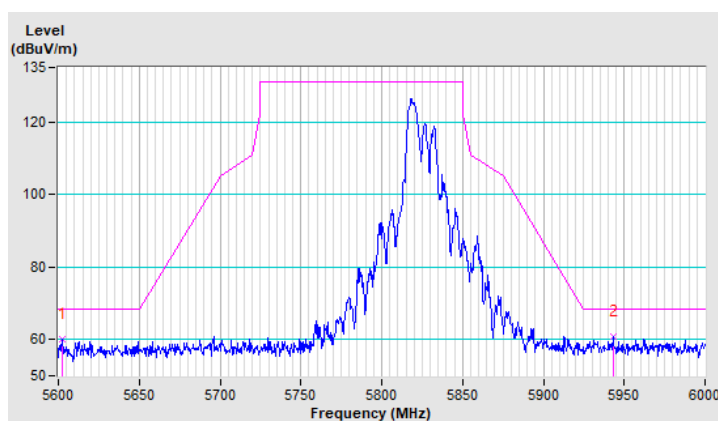


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 165 : 5825 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5602.40	60.1 PK	68.2	-8.1	1.90 V	339	55.9	4.2
2	#5943.20	60.7 PK	68.2	-7.5	1.90 V	339	55.4	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.
5. " # ": The radiated frequency is out of the restricted band.

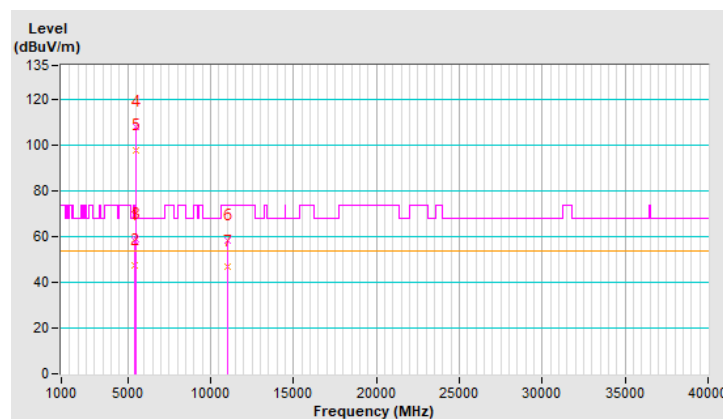


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	58.6 PK	74.0	-15.4	3.20 H	326	54.7	3.9
2	5460.00	47.7 AV	54.0	-6.3	3.20 H	326	43.8	3.9
3	#5470.00	58.9 PK	68.2	-9.3	3.20 H	326	55.0	3.9
4	*5510.00	108.4 PK			3.20 H	326	68.1	40.3
5	*5510.00	98.0 AV			3.20 H	326	57.7	40.3
6	11020.00	58.3 PK	74.0	-15.7	1.43 H	64	48.3	10.0
7	11020.00	46.8 AV	54.0	-7.2	1.43 H	64	36.8	10.0
8	#16530.00	-	-	-	-	-	-	-
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

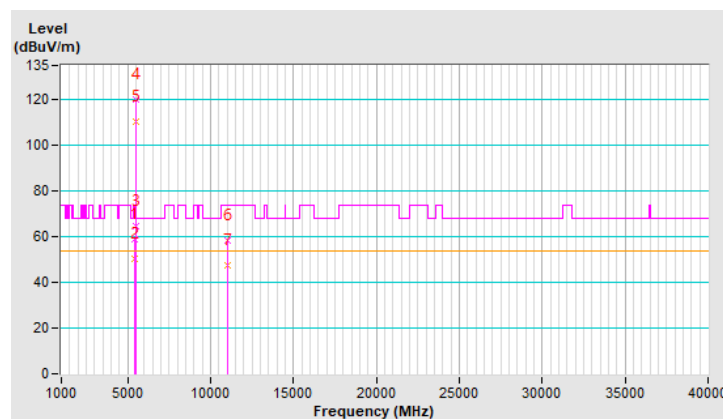


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	59.0 PK	74.0	-15.0	1.85 V	343	55.1	3.9
2	5460.00	50.4 AV	54.0	-3.6	1.85 V	343	46.5	3.9
3	#5470.00	64.6 PK	68.2	-3.6	1.85 V	343	60.7	3.9
4	*5510.00	119.9 PK			1.85 V	343	79.6	40.3
5	*5510.00	110.6 AV			1.85 V	343	70.3	40.3
6	11020.00	58.6 PK	74.0	-15.4	1.39 V	95	48.6	10.0
7	11020.00	47.3 AV	54.0	-6.7	1.39 V	95	37.3	10.0
8	#16530.00	-	-	-	-	-	-	-
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

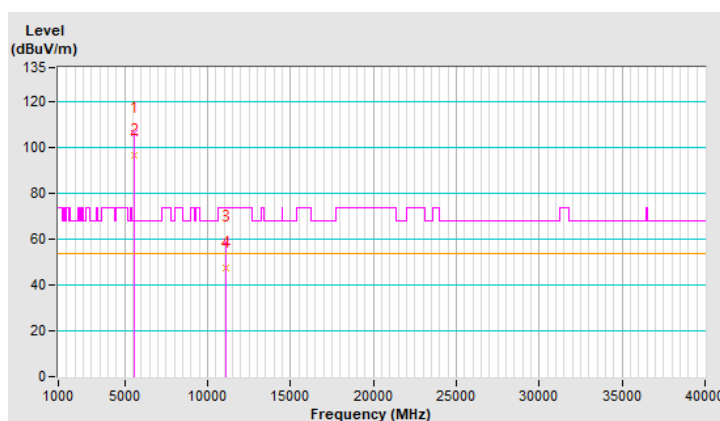


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5550.00	106.6 PK			3.24 H	327	66.1	40.5
2	*5550.00	96.6 AV			3.24 H	327	56.1	40.5
3	11100.00	58.8 PK	74.0	-15.2	1.44 H	61	48.2	10.6
4	11100.00	47.6 AV	54.0	-6.4	1.44 H	61	37.0	10.6
5	#16650.00	-	-	-	-	-	-	-
6	22200.00	-	-	-	-	-	-	-
7	#27750.00	-	-	-	-	-	-	-
8	#33300.00	-	-	-	-	-	-	-
9	38850.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

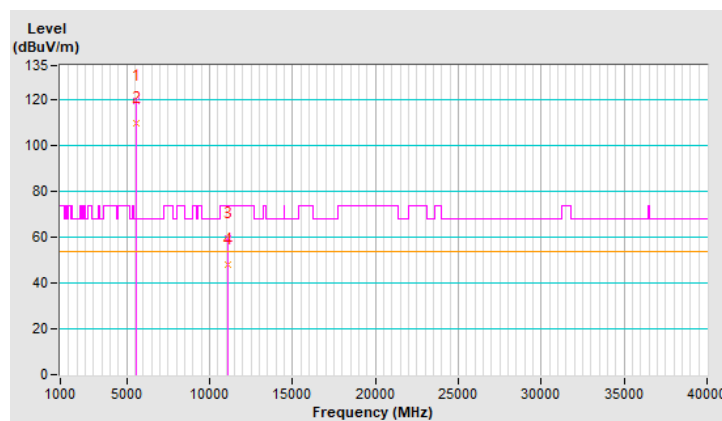


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5550.00	119.7 PK			1.89 V	344	79.2	40.5
2	*5550.00	110.1 AV			1.89 V	344	69.6	40.5
3	11100.00	59.4 PK	74.0	-14.6	1.30 V	89	48.8	10.6
4	11100.00	48.2 AV	54.0	-5.8	1.30 V	89	37.6	10.6
5	#16650.00	-	-	-	-	-	-	-
6	22200.00	-	-	-	-	-	-	-
7	#27750.00	-	-	-	-	-	-	-
8	#33300.00	-	-	-	-	-	-	-
9	38850.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

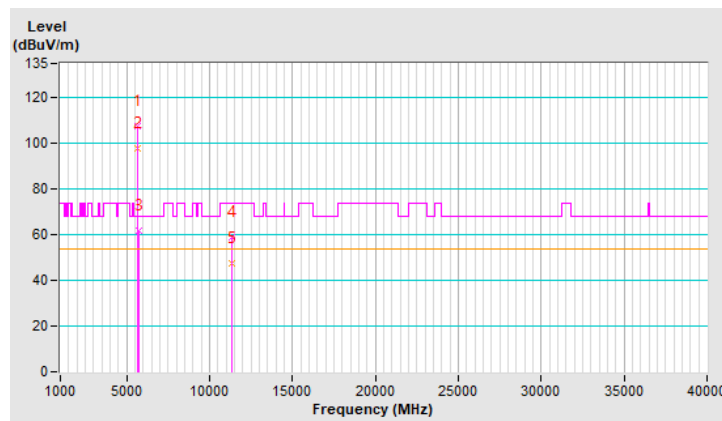


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5670.00	107.4 PK			3.26 H	328	66.4	41.0
2	*5670.00	97.6 AV			3.26 H	328	56.6	41.0
3	#5725.00	61.8 PK	68.2	-6.4	3.26 H	328	57.0	4.8
4	11340.00	58.8 PK	74.0	-15.2	1.46 H	69	48.4	10.4
5	11340.00	47.6 AV	54.0	-6.4	1.46 H	69	37.2	10.4
6	#17010.00	-	-	-	-	-	-	-
7	22680.00	-	-	-	-	-	-	-
8	#28350.00	-	-	-	-	-	-	-
9	#34020.00	-	-	-	-	-	-	-
10	39690.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

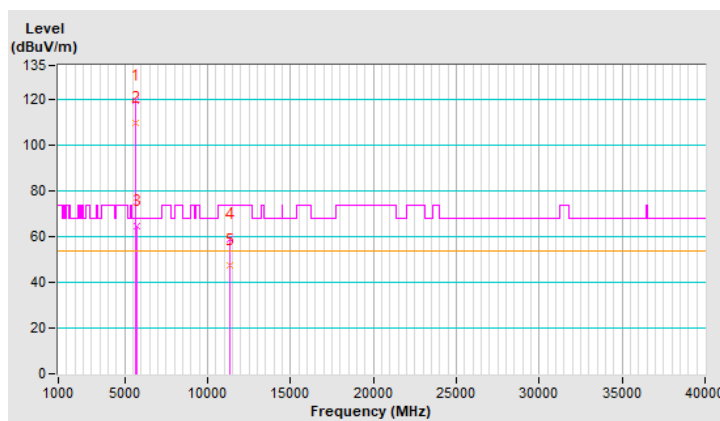


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	*5670.00	119.4 PK			2.00 V	345	78.4	41.0
2	*5670.00	109.8 AV			2.00 V	345	68.8	41.0
3	#5725.00	64.8 PK	68.2	-3.4	2.00 V	345	60.0	4.8
4	11340.00	59.0 PK	74.0	-15.0	1.24 V	84	48.6	10.4
5	11340.00	47.6 AV	54.0	-6.4	1.24 V	84	37.2	10.4
6	#17010.00	-	-	-	-	-	-	-
7	22680.00	-	-	-	-	-	-	-
8	#28350.00	-	-	-	-	-	-	-
9	#34020.00	-	-	-	-	-	-	-
10	39690.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

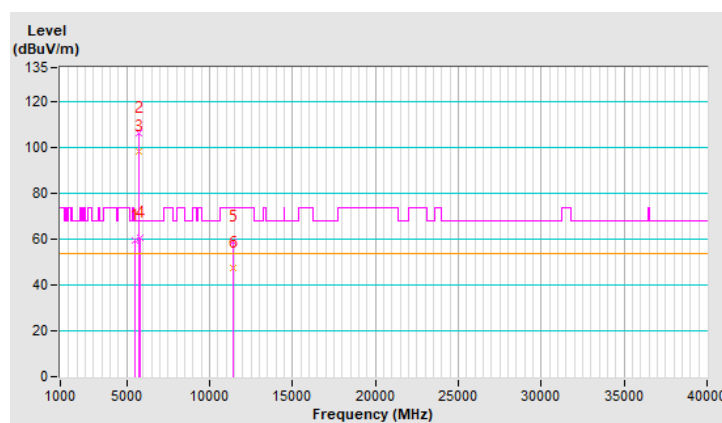


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 142 : 5710 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	59.5 PK	68.2	-8.7	3.07 H	322	55.6	3.9
2	*5710.00	106.6 PK			3.07 H	322	65.5	41.1
3	*5710.00	98.5 AV			3.07 H	322	57.4	41.1
4	#5850.00	60.6 PK	68.2	-7.6	3.07 H	322	55.4	5.2
5	11420.00	58.7 PK	74.0	-15.3	1.49 H	73	48.3	10.4
6	11420.00	47.5 AV	54.0	-6.5	1.49 H	73	37.1	10.4
7	#17130.00	-	-	-	-	-	-	-
8	22840.00	-	-	-	-	-	-	-
9	#28550.00	-	-	-	-	-	-	-
10	#34260.00	-	-	-	-	-	-	-
11	39970.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

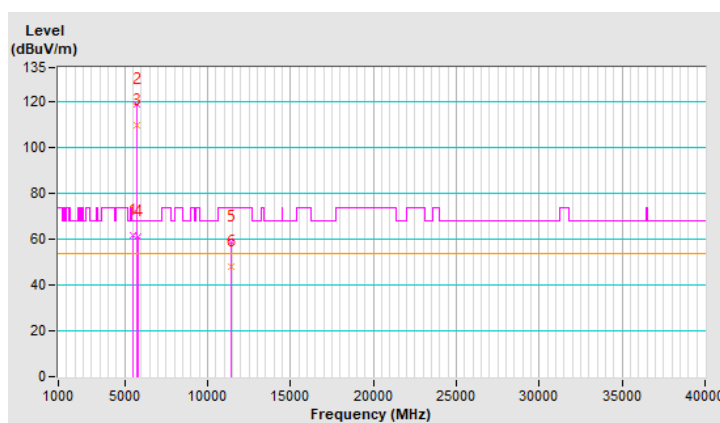


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 142 : 5710 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	61.5 PK	68.2	-6.7	1.92 V	346	57.6	3.9
2	*5710.00	119.2 PK			1.92 V	346	78.1	41.1
3	*5710.00	109.6 AV			1.92 V	346	68.5	41.1
4	#5850.00	61.0 PK	68.2	-7.2	1.92 V	346	55.8	5.2
5	11420.00	59.2 PK	74.0	-14.8	1.31 V	99	48.8	10.4
6	11420.00	47.9 AV	54.0	-6.1	1.31 V	99	37.5	10.4
7	#17130.00	-	-	-	-	-	-	-
8	22840.00	-	-	-	-	-	-	-
9	#28550.00	-	-	-	-	-	-	-
10	#34260.00	-	-	-	-	-	-	-
11	39970.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

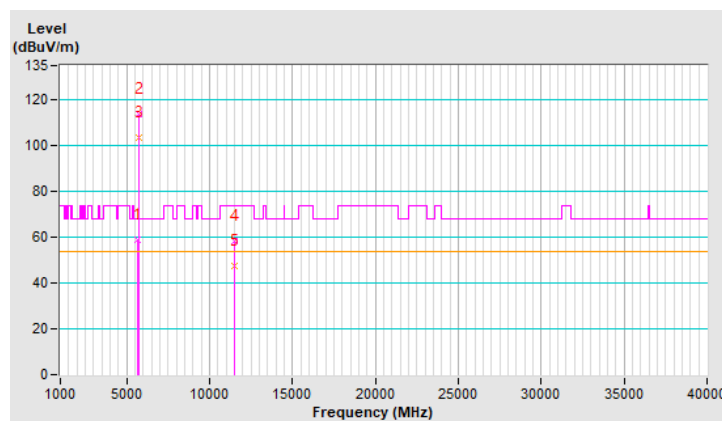


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5650.00	59.2 PK	68.2	-9.0	3.03 H	330	54.7	4.5
2	*5755.00	113.9 PK			3.03 H	330	72.6	41.3
3	*5755.00	103.7 AV			3.03 H	330	62.4	41.3
4	11510.00	58.6 PK	74.0	-15.4	1.46 H	69	48.5	10.1
5	11510.00	47.5 AV	54.0	-6.5	1.46 H	69	37.4	10.1
6	#17265.00	-	-	-	-	-	-	-
7	23020.00	-	-	-	-	-	-	-
8	#28775.00	-	-	-	-	-	-	-
9	#34530.00	-	-	-	-	-	-	-

Remarks:

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

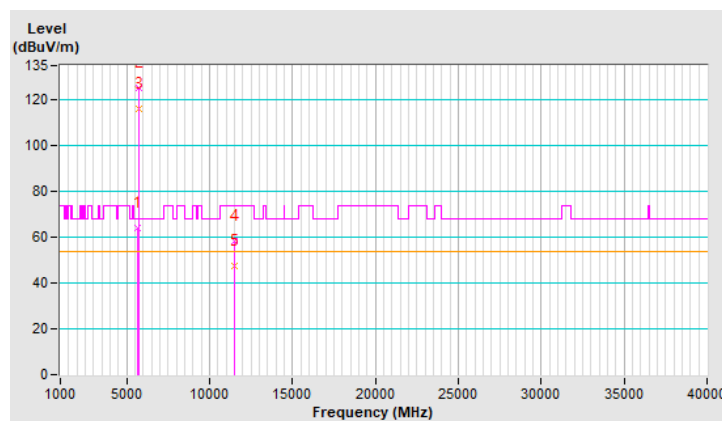


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5650.00	64.3 PK	68.2	-3.9	1.76 V	348	59.8	4.5
2	*5755.00	125.4 PK			1.76 V	348	84.1	41.3
3	*5755.00	115.9 AV			1.76 V	348	74.6	41.3
4	11510.00	58.3 PK	74.0	-15.7	1.22 V	84	48.2	10.1
5	11510.00	47.4 AV	54.0	-6.6	1.22 V	84	37.3	10.1
6	#17265.00	-	-	-	-	-	-	-
7	23020.00	-	-	-	-	-	-	-
8	#28775.00	-	-	-	-	-	-	-
9	#34530.00	-	-	-	-	-	-	-

Remarks:

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

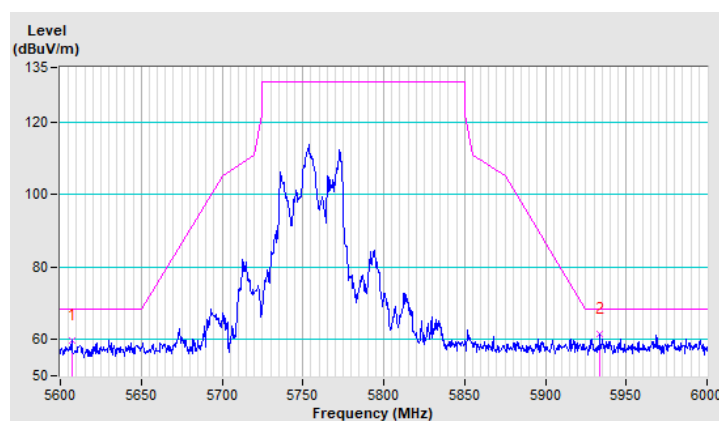


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 151 : 5755 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5607.20	59.8 PK	68.2	-8.4	3.03 H	330	55.6	4.2
2	#5933.60	61.4 PK	68.2	-6.8	3.03 H	330	56.1	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.
5. " # ": The radiated frequency is out of the restricted band.

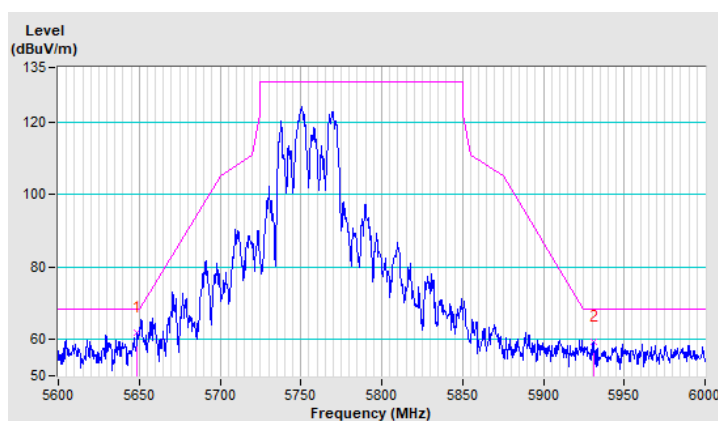


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 151 : 5755 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	62.0 PK	68.2	-6.2	1.76 V	348	57.5	4.5
2	#5931.20	59.5 PK	68.2	-8.7	1.76 V	348	54.2	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.
5. " # ": The radiated frequency is out of the restricted band.

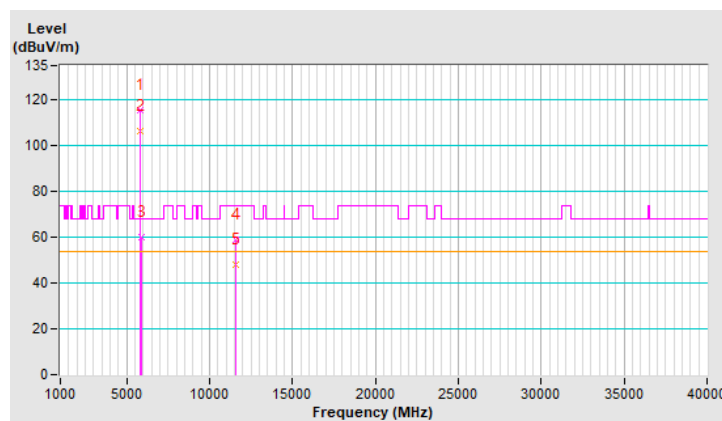


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	115.4 PK			3.23 H	331	73.8	41.6
2	*5795.00	106.2 AV			3.23 H	331	64.6	41.6
3	#5925.00	60.2 PK	68.2	-8.0	3.23 H	331	54.9	5.3
4	11590.00	58.8 PK	74.0	-15.2	1.53 H	76	48.5	10.3
5	11590.00	47.9 AV	54.0	-6.1	1.53 H	76	37.6	10.3
6	#17385.00	-	-	-	-	-	-	-
7	#23180.00	-	-	-	-	-	-	-
8	#28975.00	-	-	-	-	-	-	-
9	#34770.00	-	-	-	-	-	-	-

Remarks:

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

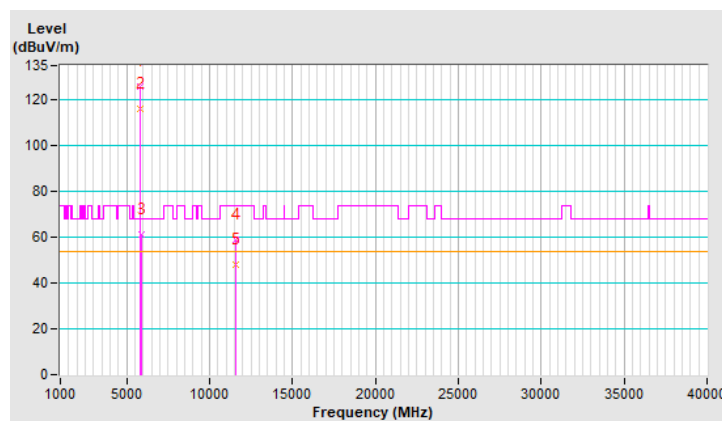


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	125.6 PK			1.76 V	346	84.0	41.6
2	*5795.00	116.2 AV			1.76 V	346	74.6	41.6
3	#5925.00	61.1 PK	68.2	-7.1	1.76 V	346	55.8	5.3
4	11590.00	59.1 PK	74.0	-14.9	1.35 V	94	48.8	10.3
5	11590.00	48.0 AV	54.0	-6.0	1.35 V	94	37.7	10.3
6	#17385.00	-	-	-	-	-	-	-
7	#23180.00	-	-	-	-	-	-	-
8	#28975.00	-	-	-	-	-	-	-
9	#34770.00	-	-	-	-	-	-	-

Remarks:

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

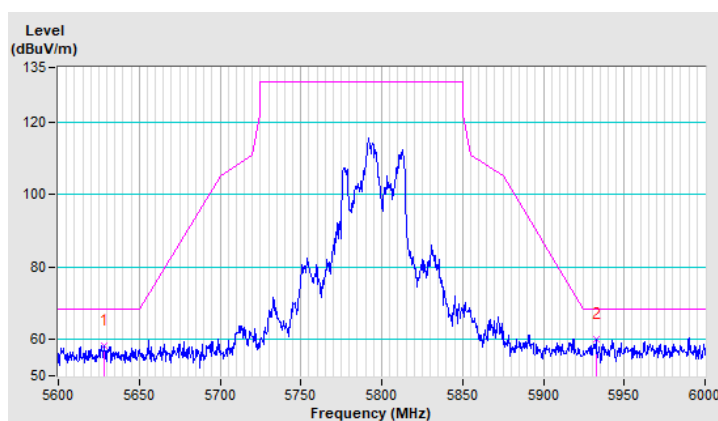


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 159 : 5795 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5628.00	58.4 PK	68.2	-9.8	3.23 H	331	54.0	4.4
2	#5932.40	60.0 PK	68.2	-8.2	3.23 H	331	54.7	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.
5. " # ": The radiated frequency is out of the restricted band.

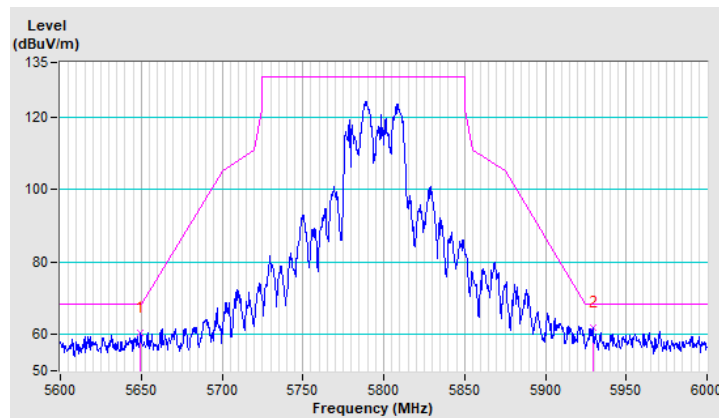


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 159 : 5795 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5649.60	60.5 PK	68.2	-7.7	1.76 V	346	56.0	4.5
2	#5929.20	61.8 PK	68.2	-6.4	1.76 V	346	56.5	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.
5. " # ": The radiated frequency is out of the restricted band.

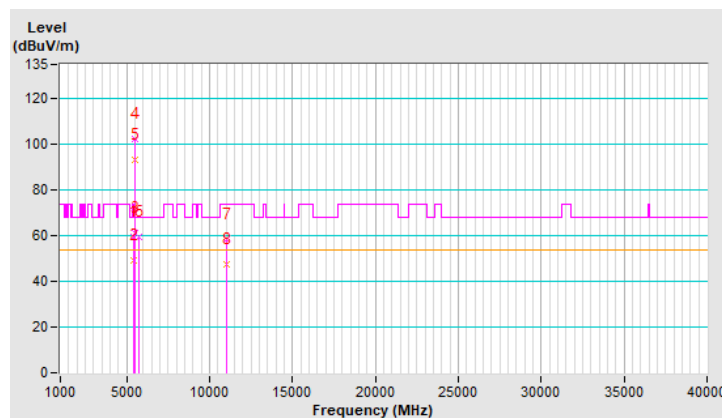


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 106 : 5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	59.6 PK	74.0	-14.4	2.98 H	326	55.7	3.9
2	5460.00	49.2 AV	54.0	-4.8	2.98 H	326	45.3	3.9
3	#5470.00	61.2 PK	68.2	-7.0	2.98 H	326	57.3	3.9
4	*5530.00	102.2 PK			2.98 H	326	61.8	40.4
5	*5530.00	93.3 AV			2.98 H	326	52.9	40.4
6	#5725.00	59.4 PK	68.2	-8.8	2.98 H	326	54.6	4.8
7	11060.00	58.6 PK	74.0	-15.4	1.42 H	76	48.3	10.3
8	11060.00	47.2 AV	54.0	-6.8	1.42 H	76	36.9	10.3
9	#16590.00	-	-	-	-	-	-	-
10	22120.00	-	-	-	-	-	-	-
11	#27650.00	-	-	-	-	-	-	-
12	#33180.00	-	-	-	-	-	-	-
13	38710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

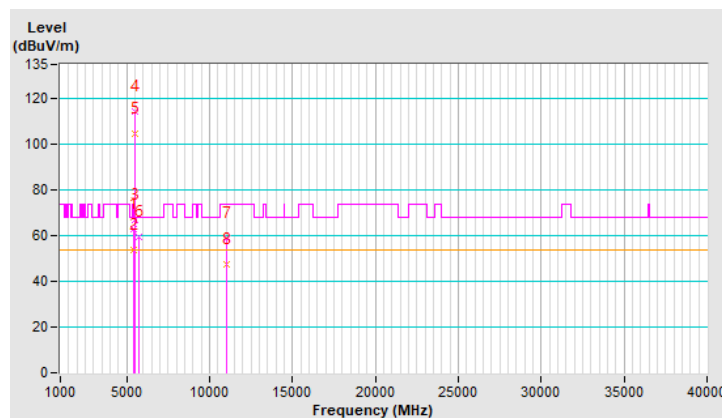


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 106 : 5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	62.8 PK	74.0	-11.2	1.85 V	341	58.9	3.9
2	5460.00	53.8 AV	54.0	-0.2	1.85 V	341	49.9	3.9
3	#5470.00	67.0 PK	68.2	-1.2	1.85 V	341	63.1	3.9
4	*5530.00	114.6 PK			1.85 V	341	74.2	40.4
5	*5530.00	104.5 AV			1.85 V	341	64.1	40.4
6	#5725.00	59.7 PK	68.2	-8.5	1.85 V	341	54.9	4.8
7	11060.00	59.0 PK	74.0	-15.0	1.33 V	96	48.7	10.3
8	11060.00	47.6 AV	54.0	-6.4	1.33 V	96	37.3	10.3
9	#16590.00	-	-	-	-	-	-	-
10	22120.00	-	-	-	-	-	-	-
11	#27650.00	-	-	-	-	-	-	-
12	#33180.00	-	-	-	-	-	-	-
13	38710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

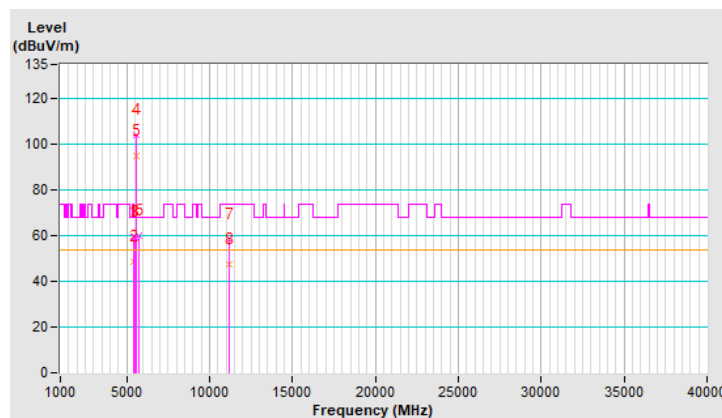


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 122 : 5610 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	59.4 PK	74.0	-14.6	3.18 H	323	55.5	3.9
2	5460.00	48.7 AV	54.0	-5.3	3.18 H	323	44.8	3.9
3	#5470.00	59.4 PK	68.2	-8.8	3.18 H	323	55.5	3.9
4	*5610.00	104.1 PK			3.18 H	323	63.5	40.6
5	*5610.00	94.9 AV			3.18 H	323	54.3	40.6
6	#5725.00	59.8 PK	68.2	-8.4	3.18 H	323	55.0	4.8
7	11220.00	58.6 PK	74.0	-15.4	1.50 H	67	48.5	10.1
8	11220.00	47.4 AV	54.0	-6.6	1.50 H	67	37.3	10.1
9	#16830.00	-	-	-	-	-	-	-
10	22440.00	-	-	-	-	-	-	-
11	#28050.00	-	-	-	-	-	-	-
12	#33660.00	-	-	-	-	-	-	-
13	39270.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

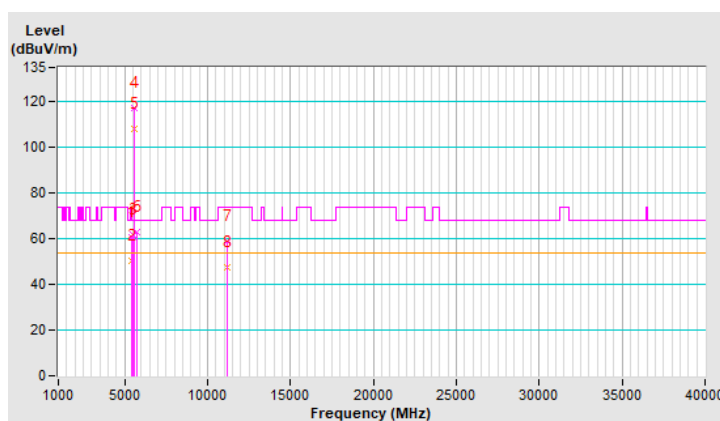


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 122 : 5610 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	60.9 PK	74.0	-13.1	1.77 V	344	57.0	3.9
2	5460.00	50.5 AV	54.0	-3.5	1.77 V	344	46.6	3.9
3	#5470.00	61.9 PK	68.2	-6.3	1.77 V	344	58.0	3.9
4	*5610.00	117.2 PK			1.77 V	344	76.6	40.6
5	*5610.00	108.2 AV			1.77 V	344	67.6	40.6
6	#5725.00	63.1 PK	68.2	-5.1	1.77 V	344	58.3	4.8
7	11220.00	58.9 PK	74.0	-15.1	1.37 V	94	48.8	10.1
8	11220.00	47.6 AV	54.0	-6.4	1.37 V	94	37.5	10.1
9	#16830.00	-	-	-	-	-	-	-
10	22440.00	-	-	-	-	-	-	-
11	#28050.00	-	-	-	-	-	-	-
12	#33660.00	-	-	-	-	-	-	-
13	39270.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

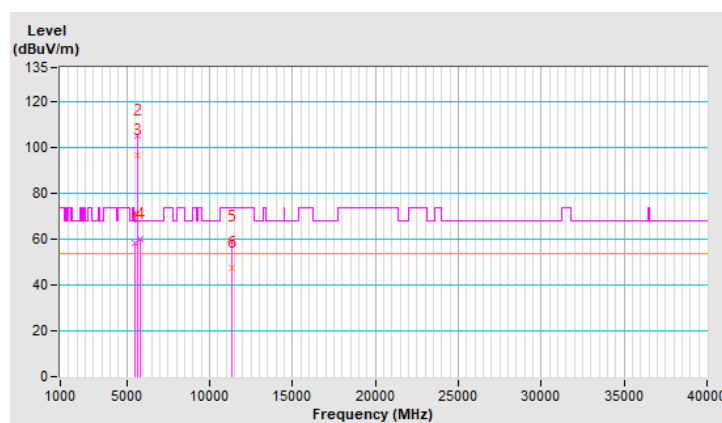


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 138 : 5690 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	58.4 PK	68.2	-9.8	3.21 H	328	54.5	3.9
2	*5690.00	105.2 PK			3.21 H	328	64.1	41.1
3	*5690.00	96.4 AV			3.21 H	328	55.3	41.1
4	#5850.00	60.2 PK	68.2	-8.0	3.21 H	328	55.0	5.2
5	11380.00	58.7 PK	74.0	-15.3	1.39 H	58	48.2	10.5
6	11380.00	47.3 AV	54.0	-6.7	1.39 H	58	36.8	10.5
7	#17070.00	-	-	-	-	-	-	-
8	22760.00	-	-	-	-	-	-	-
9	#28450.00	-	-	-	-	-	-	-
10	#34140.00	-	-	-	-	-	-	-
11	39830.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

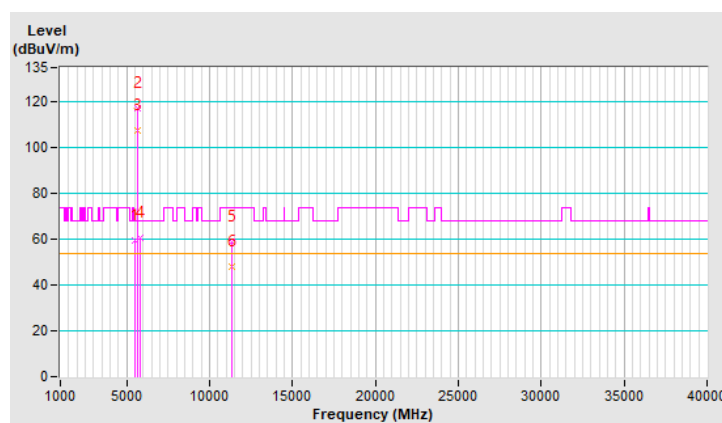


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 138 : 5690 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	#5470.00	59.6 PK	68.2	-8.6	1.78 V	349	55.7	3.9
2	*5690.00	117.0 PK			1.78 V	349	75.9	41.1
3	*5690.00	107.4 AV			1.78 V	349	66.3	41.1
4	#5850.00	60.8 PK	68.2	-7.4	1.78 V	349	55.6	5.2
5	11380.00	59.2 PK	74.0	-14.8	1.44 V	87	48.7	10.5
6	11380.00	47.9 AV	54.0	-6.1	1.44 V	87	37.4	10.5
7	#17070.00	-	-	-	-	-	-	-
8	22760.00	-	-	-	-	-	-	-
9	#28450.00	-	-	-	-	-	-	-
10	#34140.00	-	-	-	-	-	-	-
11	39830.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.

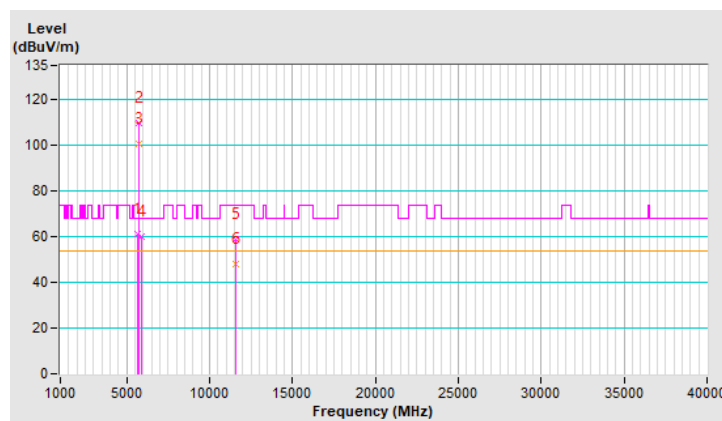


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5650.00	61.2 PK	68.2	-7.0	3.21 H	330	56.7	4.5
2	*5775.00	109.7 PK			3.21 H	330	68.2	41.5
3	*5775.00	100.5 AV			3.21 H	330	59.0	41.5
4	#5925.00	59.8 PK	68.2	-8.4	3.21 H	330	54.5	5.3
5	11550.00	59.1 PK	74.0	-14.9	1.41 H	68	48.9	10.2
6	11550.00	47.9 AV	54.0	-6.1	1.41 H	68	37.7	10.2
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

Remarks:

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

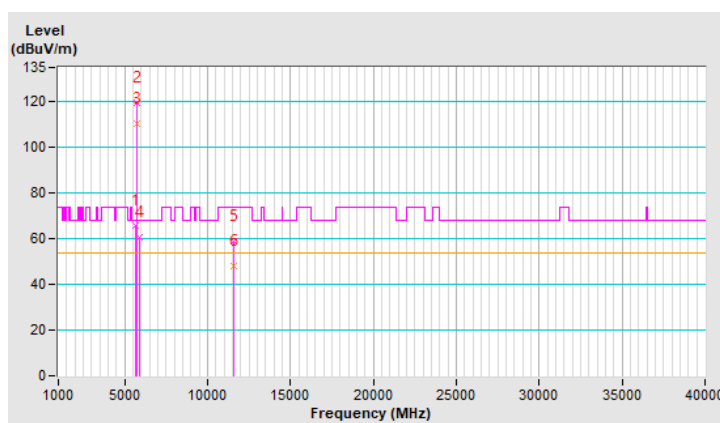


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5650.00	65.9 PK	68.2	-2.3	1.90 V	347	61.4	4.5
2	*5775.00	119.5 PK			1.90 V	347	78.0	41.5
3	*5775.00	110.3 AV			1.90 V	347	68.8	41.5
4	#5925.00	60.6 PK	68.2	-7.6	1.90 V	347	55.3	5.3
5	11550.00	59.0 PK	74.0	-15.0	1.39 V	90	48.8	10.2
6	11550.00	47.8 AV	54.0	-6.2	1.39 V	90	37.6	10.2
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

Remarks:

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

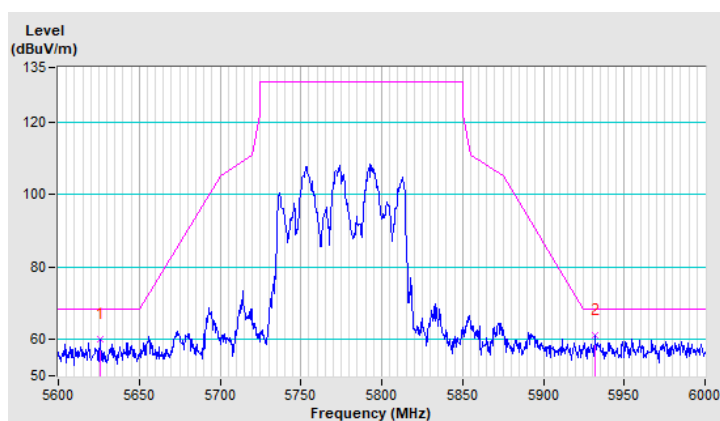


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 155 : 5775 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	#5626.00	60.1 PK	68.2	-8.1	3.21 H	330	55.7	4.4
2	#5931.60	61.2 PK	68.2	-7.0	3.21 H	330	55.9	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.
5. " # ": The radiated frequency is out of the restricted band.

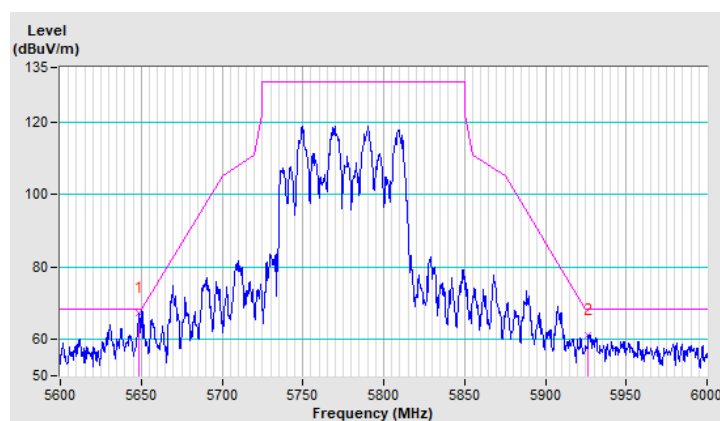


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 155 : 5775 MHz (OOBE)	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 28 日	測試者：	李睿明

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	67.4 PK	68.2	-0.8	1.90 V	347	62.9	4.5
2	#5926.40	61.2 PK	68.2	-7.0	1.90 V	347	55.9	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.
5. " # ": The radiated frequency is out of the restricted band.

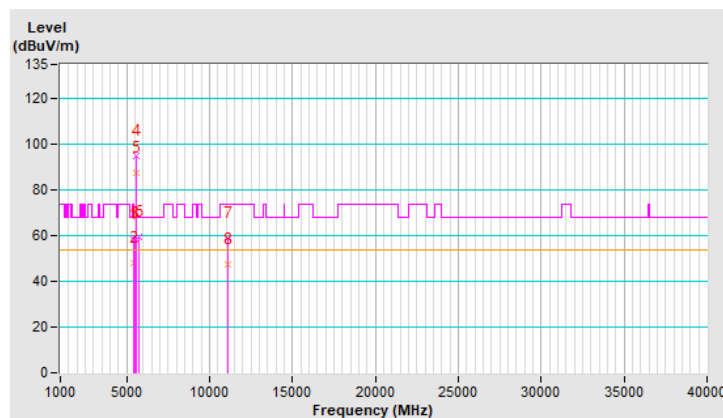


操作模式：	發射 802.11ax (HE160)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 114 : 5570 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 27 日	測試者：	李睿明

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	5460.00	58.1 PK	74.0	-15.9	3.28 H	324	54.2	3.9
2	5460.00	48.3 AV	54.0	-5.7	3.28 H	324	44.4	3.9
3	#5470.00	58.8 PK	68.2	-9.4	3.28 H	324	54.9	3.9
4	*5570.00	94.9 PK			3.29 H	324	54.4	40.5
5	*5570.00	87.7 AV			3.29 H	324	47.2	40.5
6	#5725.00	59.7 PK	68.2	-8.5	3.28 H	324	54.9	4.8
7	11140.00	58.7 PK	74.0	-15.3	1.48 H	75	48.3	10.4
8	11140.00	47.3 AV	54.0	-6.7	1.48 H	75	36.9	10.4
9	#16710.00	-	-	-	-	-	-	-
10	22280.00	-	-	-	-	-	-	-
11	#27850.00	-	-	-	-	-	-	-
12	#33420.00	-	-	-	-	-	-	-
13	38990.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = 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.



9.6.2 接收諧波

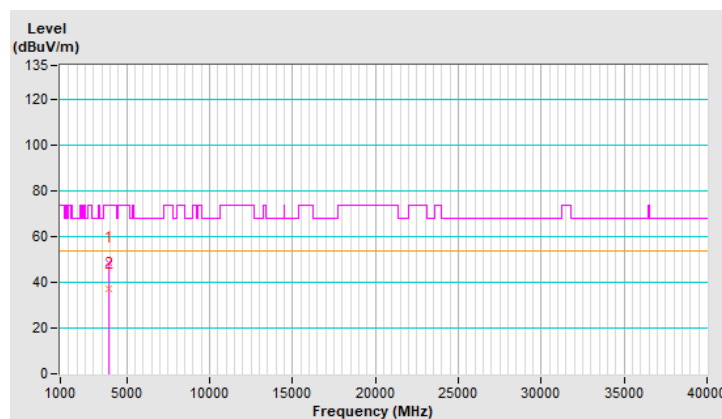
2TX

操 作 模 式：	接收		
基 本 波 頻 率：	CH 48：5240 MHz	檢 測 器 與 頻 寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz (RMS)
量 測 場 地 溫 度：	23 °C	量 測 場 地 濕 度：	68% RH
測 試 日 期：	110 年 10 月 27 日	測 試 者：	李 睿 明

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	3930.00	48.7 PK	74.0	-25.3	2.35 H	67	46.8	1.9
2	3930.00	37.1 AV	54.0	-16.9	2.35 H	67	35.2	1.9

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.

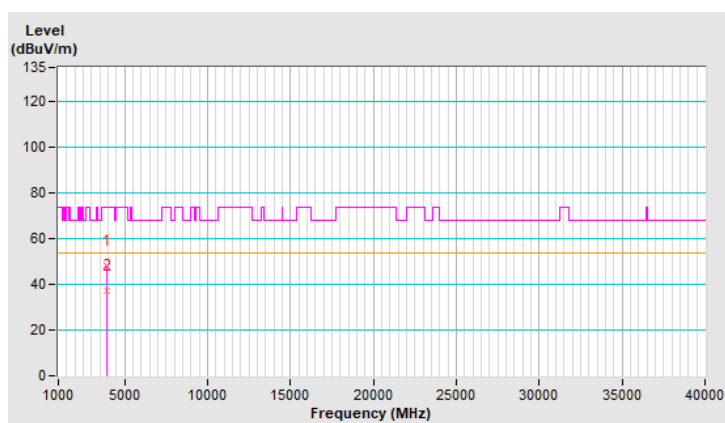


操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 48 : 5240 MHz	檢 測 器 與 頻 寬 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz (RMS)
量 測 場 地 溫 度 :	23 °C	量 測 場 地 濕 度 :	68% RH
測 試 日 期 :	110 年 10 月 27 日	測 試 者 :	李 睿 明

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	3930.00	48.0 PK	74.0	-26.0	1.38 V	27	46.1	1.9
2	3930.00	37.2 AV	54.0	-16.8	1.38 V	27	35.3	1.9

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.



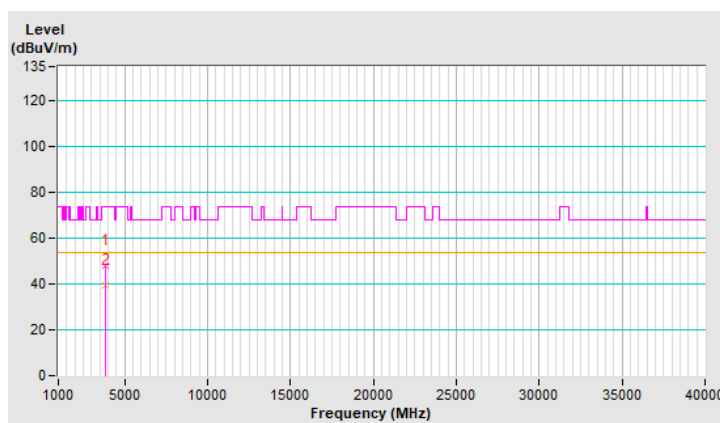
4TX

操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 159 : 5795 MHz	檢 測 器 與 頻 寬 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz (RMS)
量 測 場 地 溫 度 :	23 °C	量 測 場 地 濕 度 :	68% RH
測 試 日 期 :	110 年 10 月 28 日	測 試 者 :	李 睿 明

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	3856.00	47.8 PK	74.0	-26.2	2.31 H	96	46.1	1.7
2	3856.00	39.7 AV	54.0	-14.3	2.31 H	96	38.0	1.7

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.

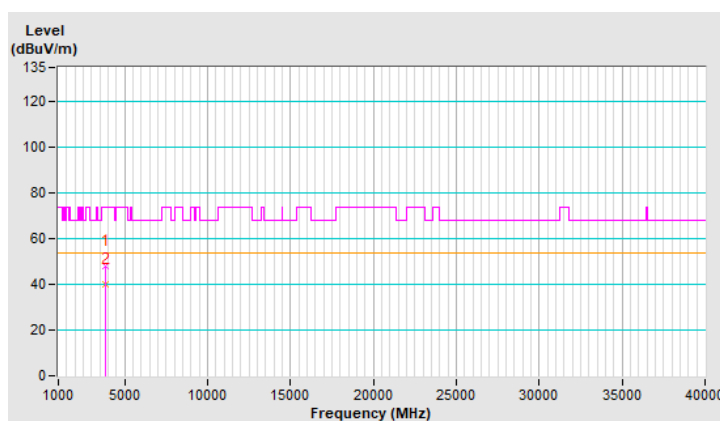


操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 159 : 5795 MHz	檢 測 器 與 頻 寬 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz (RMS)
量 測 場 地 溫 度 :	23 °C	量 測 場 地 濕 度 :	68% RH
測 試 日 期 :	110 年 10 月 28 日	測 試 者 :	李 睿 明

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	3856.00	48.0 PK	74.0	-26.0	1.39 V	256	46.3	1.7
2	3856.00	39.9 AV	54.0	-14.1	1.39 V	256	38.2	1.7

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.



9.6.3 其它不必要之訊號

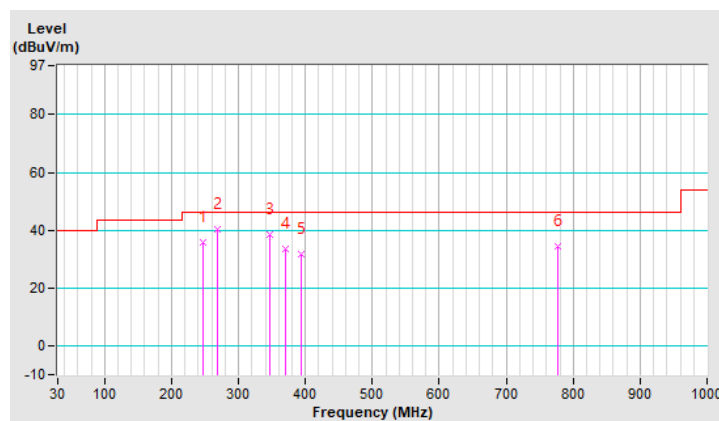
2TX

操作模式：	發射/接收 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	247.28	35.7 QP	46.0	-10.3	1.00 H	258	55.4	-19.7
2	267.65	40.3 QP	46.0	-5.7	1.99 H	152	59.3	-19.0
3	347.19	38.5 QP	46.0	-7.5	1.00 H	18	55.2	-16.7
4	369.50	33.7 QP	46.0	-12.3	1.00 H	250	49.7	-16.0
5	394.72	31.8 QP	46.0	-14.2	1.00 H	198	47.3	-15.5
6	777.87	34.4 QP	46.0	-11.6	1.00 H	359	42.4	-8.0

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.

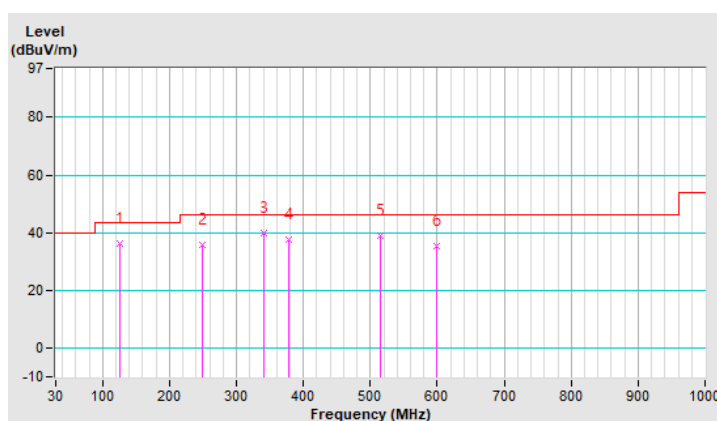


操作模式：	發射/接收 802.11a	調變技術：	OFDM-MIMO
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	125.06	36.3 QP	43.5	-7.2	1.01 V	141	56.4	-20.1
2	248.25	35.6 QP	46.0	-10.4	2.00 V	79	55.2	-19.6
3	341.37	39.8 QP	46.0	-6.2	1.51 V	174	56.6	-16.8
4	378.23	37.6 QP	46.0	-8.4	1.51 V	194	53.4	-15.8
5	515.97	38.8 QP	46.0	-7.2	1.01 V	2	51.6	-12.8
6	598.42	35.2 QP	46.0	-10.8	1.01 V	118	45.8	-10.6

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.



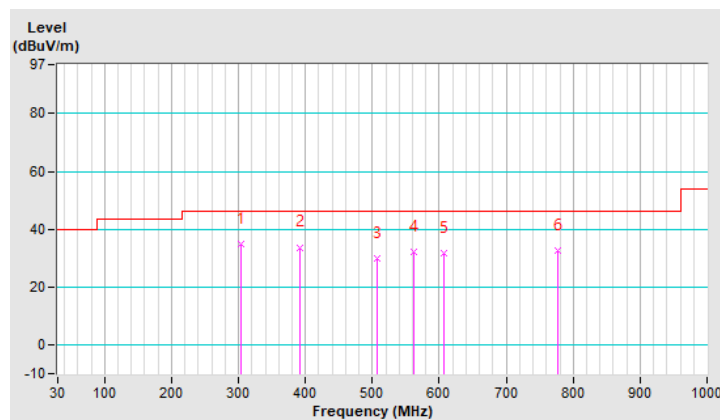
4TX

操作模式：	發射/接收 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	303.54	34.8 QP	46.0	-11.2	1.01 H	143	52.5	-17.7
2	390.84	33.8 QP	46.0	-12.2	1.01 H	217	49.4	-15.6
3	507.24	29.7 QP	46.0	-16.3	2.00 H	92	42.7	-13.0
4	561.56	32.2 QP	46.0	-13.8	1.50 H	291	44.1	-11.9
5	606.18	31.6 QP	46.0	-14.4	1.50 H	283	42.1	-10.5
6	777.87	32.5 QP	46.0	-13.5	1.50 H	339	40.5	-8.0

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.

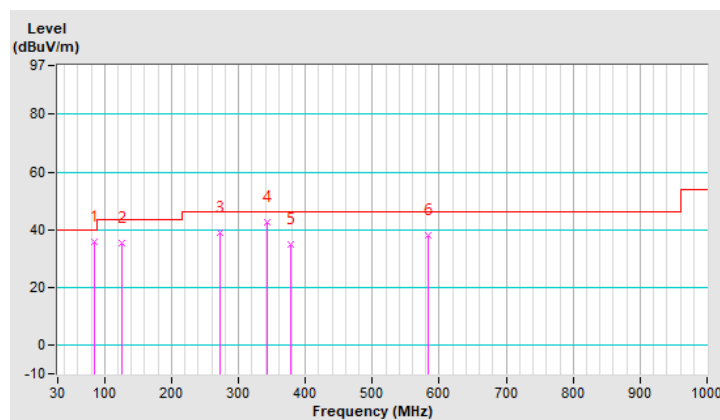


操作模式：	發射/接收 802.11ax (HE40)	調變技術：	OFDMA-MIMO
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	23 °C	量測場地濕度：	68% RH
測試日期：	110 年 10 月 29 日	測試者：	李睿明

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	85.29	35.6 QP	40.0	-4.4	1.01 V	74	59.5	-23.9
2	125.06	35.2 QP	43.5	-8.3	1.01 V	143	55.3	-20.1
3	271.53	39.0 QP	46.0	-7.0	1.51 V	92	57.8	-18.8
4	342.34	42.4 QP	46.0	-3.6	1.51 V	30	59.2	-16.8
5	377.26	34.7 QP	46.0	-11.3	1.51 V	2	50.5	-15.8
6	582.90	38.2 QP	46.0	-7.8	1.51 V	195	49.3	-11.1

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.



9.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

9.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BDQY-WTW-P21070082_TSup)。

10 電源線傳導干擾之量測

10.1 適用標準

請見本報告3.1節第1項的規定。

10.2 量測方法

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

10.3 量測儀器

同 5.3 節。

10.4 測試配置

同 5.4 節。

10.5 干擾值之計算

同 5.5 節。

10.6 量測結果

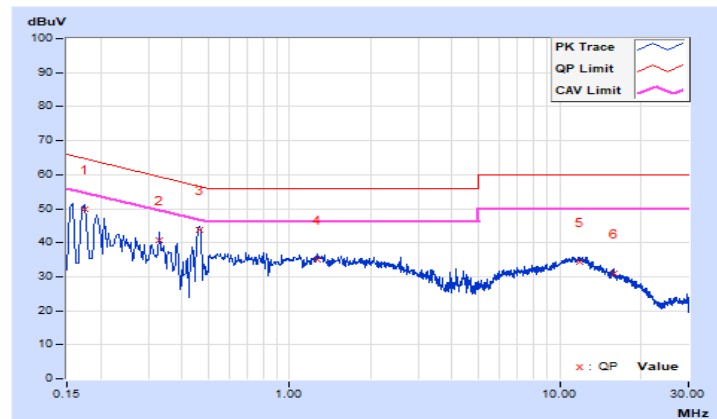
2TX

操作模式	發射/接收 802.11a	調變技術	OFDM-MIMO
基本波頻率	CH 48 : 5240 MHz	測試日期	110 年 11 月 22 日
量測場地溫度	21°C	量測場地濕度	68%RH
測試者	陳重亦		

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.17384	10.12	39.77	19.49	49.89	29.61	64.77	54.77	-14.88	-25.16
0.33000	10.14	30.70	20.20	40.84	30.34	59.45	49.45	-18.61	-19.11
0.46200	10.14	33.75	28.36	43.89	38.50	56.66	46.66	-12.77	-8.16
1.27000	10.18	24.76	15.83	34.94	26.01	56.00	46.00	-21.06	-19.99
11.82200	10.35	24.05	16.86	34.40	27.21	60.00	50.00	-25.60	-22.79
15.81400	10.40	20.53	10.64	30.93	21.04	60.00	50.00	-29.07	-28.96

Remarks:

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

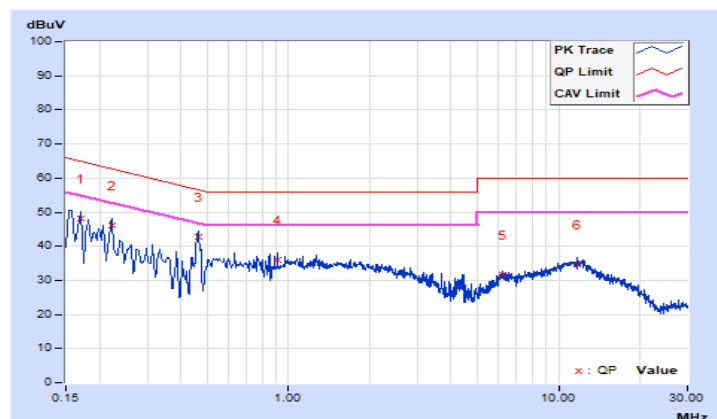


操作模式	發射/接收 802.11a	調變技術	OFDM-MIMO
基本波頻率	CH 48 : 5240 MHz	測試日期	110 年 11 月 22 日
量測場地溫度	21°C	量測場地濕度	68%RH
測試者	陳重亦		

輻射頻率 [MHz]	校正因子 [dB]	6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
		儀器讀值		結果值		限制值		餘裕度	
		[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.17000	10.12	38.17	22.55	48.29	32.67	64.96	54.96	-16.67	-22.29
0.22200	10.13	36.13	21.97	46.26	32.10	62.74	52.74	-16.48	-20.64
0.46200	10.15	32.68	28.26	42.83	38.41	56.66	46.66	-13.83	-8.25
0.91000	10.18	25.73	15.20	35.91	25.38	56.00	46.00	-20.09	-20.62
6.17400	10.33	21.29	10.22	31.62	20.55	60.00	50.00	-28.38	-29.45
11.74200	10.46	24.26	16.69	34.72	27.15	60.00	50.00	-25.28	-22.85

Remarks:

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



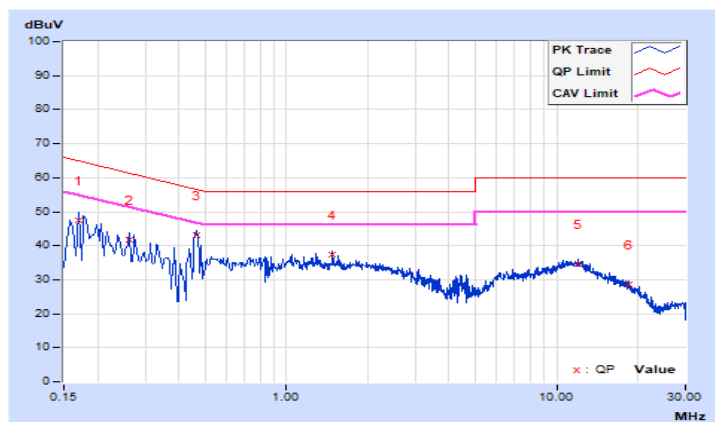
4TX

操作模式	發射/接收 802.11ax (HE40)	調變技術	OFDMA-MIMO
基本波頻率	CH 159 : 5795 MHz	測試日期	110 年 11 月 22 日
量測場地溫度	21°C	量測場地濕度	68%RH
測試者	陳重亦		

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.17000	10.12	37.30	21.99	47.42	32.11	64.96	54.96	-17.54	-22.85
0.26200	10.13	31.52	18.00	41.65	28.13	61.37	51.37	-19.72	-23.24
0.46200	10.14	32.81	28.41	42.95	38.55	56.66	46.66	-13.71	-8.11
1.48600	10.19	27.04	16.80	37.23	26.99	56.00	46.00	-18.77	-19.01
12.01000	10.35	24.27	17.07	34.62	27.42	60.00	50.00	-25.38	-22.58
18.51000	10.45	18.15	8.24	28.60	18.69	60.00	50.00	-31.40	-31.31

Remarks:

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

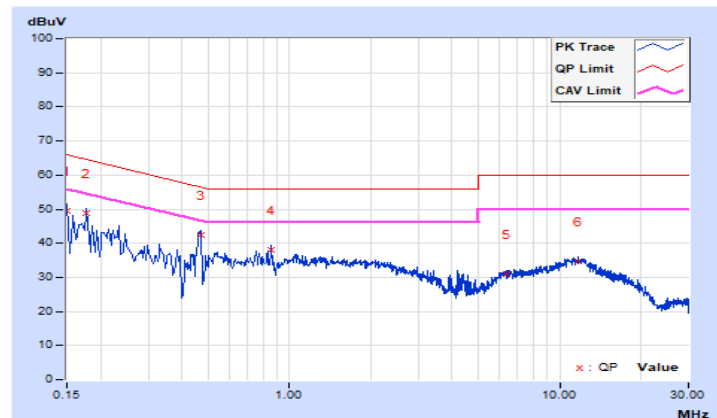


操作模式	發射/接收 802.11ax (HE40)	調變技術	OFDMA-MIMO
基本波頻率	CH 159 : 5795 MHz	測試日期	110 年 11 月 22 日
量測場地溫度	21°C	量測場地濕度	68%RH
測試者	陳重亦		

輻射頻率 [MHz]	校正因子 [dB]	6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
		儀器讀值		結果值		限制值		餘裕度	
		[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15000	10.12	39.52	20.57	49.64	30.69	66.00	56.00	-16.36	-25.31
0.17800	10.13	38.61	19.62	48.74	29.75	64.58	54.58	-15.84	-24.83
0.47000	10.15	32.44	23.67	42.59	33.82	56.51	46.51	-13.92	-12.69
0.85800	10.17	27.85	12.65	38.02	22.82	56.00	46.00	-17.98	-23.18
6.39800	10.34	20.76	10.29	31.10	20.63	60.00	50.00	-28.90	-29.37
11.76600	10.46	24.09	16.55	34.55	27.01	60.00	50.00	-25.45	-22.99

Remarks:

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



10.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

10.8 配置照片

請參閱附件測試設置照片(BV CPS 報告編號：BDQY-WTW-P21070082_TSup)。

11 峰值傳導輸出功率量測及發射頻寬之要求

11.1 適用標準

待測物操作頻帶	適用標準
☒ 5.15 GHz~5.25 GHz	☐ 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(A)的規定(供戶外操作使用)
	☒ 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(B)的規定(供室內操作使用)
	☐ 請見本報告 3.1 節第 6 項(II)(A)及 4 項(II)(C)的規定(供固定式點對點操作使用)
	☐ 請見本報告 3.1 節第 6 項(II)(B)及 4 項(II)(D)的規定(供用戶端裝置使用)
☒ 5.25 GHz~5.35 GHz	請見本報告 3.1 節第 6 項(III)及 4 項(III)的規定
☒ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第 6 項(III)及 4 項(III)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第 6 項(IV)及 4 項(IV)的規定

11.2 量測方法

輸出峰值功率量測方法:

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

For transmission above 5.725GHz where the EBW crosses 5.725GHz

- 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26dB occupied bandwidth。
- 設置解析頻寬為1MHz, 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26dB 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26dB的最大頻率範圍。

11.3 量測儀器

峰值傳導輸出功率量測儀器: 同7.3節和6.3節 (for straddle channels)。

發射頻寬之量測儀器: 同6.3節。

11.4 測試配置

峰值傳導輸出功率測試配置: 同7.4節和6.4節 (for straddle channels)。

發射頻寬之測試配置: 同6.4節。

11.5 量測結果

操作模式	發射	測試日期	110 年 11 月 16 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳佳衡		

Power Output:

CDD Mode

2TX

802.11a

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	22.47	22.36	348.791	25.43	30.00	Pass
40	5200	24.93	24.88	618.781	27.92	30.00	Pass
48	5240	26.91	27.00	992.095	29.97	30.00	Pass
52	5260	20.91	20.48	234.997	23.71	24.00	Pass
60	5300	20.67	20.44	227.343	23.57	24.00	Pass
64	5320	20.58	20.31	221.687	23.46	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(20.63) = 24.14 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(20.76) = 24.17 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(20.64) = 24.14 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(20.86) = 24.19 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(20.80) = 24.18 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(20.71) = 24.16 > 24\text{dBm}$

802.11n (HT20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	22.18	21.98	322.957	25.09	30.00	Pass
40	5200	24.25	24.00	517.261	27.14	30.00	Pass
48	5240	25.61	25.47	716.286	28.55	30.00	Pass
52	5260	20.73	20.64	234.182	23.70	24.00	Pass
60	5300	20.90	20.67	239.708	23.80	24.00	Pass
64	5320	20.78	20.64	235.552	23.72	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(21.62) = 24.34 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.81) = 24.38 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.65) = 24.35 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(21.93) = 24.41 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.98) = 24.42 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.24) = 24.47 > 24\text{dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	20.55	20.52	226.221	23.55	30.00	Pass
46	5230	23.14	22.98	404.672	26.07	30.00	Pass
54	5270	20.64	20.83	236.938	23.75	24.00	Pass
62	5310	20.62	20.44	226.008	23.54	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.06) = 27.23 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.10) = 27.24 > 24\text{dBm}$

802.11ac (VHT20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	22.20	22.01	324.813	25.12	30.00	Pass
40	5200	24.28	24.02	520.265	27.16	30.00	Pass
48	5240	25.64	25.53	723.710	28.60	30.00	Pass
52	5260	20.75	20.66	235.263	23.72	24.00	Pass
60	5300	20.93	20.70	241.369	23.83	24.00	Pass
64	5320	20.80	20.67	236.907	23.75	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(21.62) = 24.34 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.81) = 24.38 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.65) = 24.35 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(21.93) = 24.41 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.98) = 24.42 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.24) = 24.47 > 24\text{dBm}$

802.11ac (VHT40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	20.58	20.54	227.528	23.57	30.00	Pass
46	5230	23.16	23.00	406.540	26.09	30.00	Pass
54	5270	20.66	20.85	238.031	23.77	24.00	Pass
62	5310	20.64	20.46	227.051	23.56	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.06) = 27.23 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.10) = 27.24 > 24\text{dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	20.14	20.00	203.276	23.08	30.00	Pass
58	5290	20.21	20.11	207.519	23.17	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.32) = 30.20 > 24\text{dBm}$

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	22.22	22.04	326.681	25.14	30.00	Pass
40	5200	24.31	24.08	525.633	27.21	30.00	Pass
48	5240	25.67	25.62	733.732	28.66	30.00	Pass
52	5260	20.78	20.69	236.894	23.75	24.00	Pass
60	5300	20.95	20.74	243.028	23.86	24.00	Pass
64	5320	20.84	20.71	239.099	23.79	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(21.62) = 24.34 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.81) = 24.38 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.65) = 24.35 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(21.93) = 24.41 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.98) = 24.42 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.24) = 24.47 > 24\text{dBm}$

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	20.61	20.57	229.105	23.60	30.00	Pass
46	5230	23.18	23.03	408.879	26.12	30.00	Pass
54	5270	20.69	20.87	239.400	23.79	24.00	Pass
62	5310	20.67	20.48	228.367	23.59	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.06) = 27.23 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.10) = 27.24 > 24\text{dBm}$

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	20.16	20.03	204.446	23.11	30.00	Pass
58	5290	20.23	20.14	208.715	23.20	24.00	Pass

Note:

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.32) = 30.20 > 24\text{dBm}$

4TX

802.11a

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	15.54	15.46	15.36	15.28	139.050	21.43	24.00	Pass
116	5580	15.40	15.29	15.28	15.35	136.486	21.35	24.00	Pass
140	5700	15.74	15.61	15.62	15.79	148.296	21.71	24.00	Pass
144	5720 (For U-NII-2C)	14.44	14.08	13.87	13.93	108.991	20.37	22.81	Pass
144	5720 (For U-NII-3)	9.20	8.73	8.59	8.59	32.159	15.07	30.00	Pass
149	5745	22.45	23.01	23.47	23.71	833.073	29.21	30.00	Pass
157	5785	22.47	23.17	23.46	23.61	835.530	29.22	30.00	Pass
165	5825	22.39	23.24	23.34	23.66	832.291	29.20	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(20.82) = 24.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(20.52) = 24.12 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(20.55) = 24.12 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.62) = 22.86 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(20.81) = 24.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(20.56) = 24.13 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(20.70) = 24.15 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.71) = 22.84 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(20.83) = 24.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(20.64) = 24.14 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(20.83) = 24.18 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.74) = 22.83 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(20.81) = 24.18 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(20.35) = 24.08 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(20.55) = 24.12 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.80) = 22.81 < 24\text{dBm}$

802.11n (HT20)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	15.64	15.57	15.71	15.67	146.839	21.67	24.00	Pass
116	5580	15.43	15.48	15.51	15.57	141.853	21.52	24.00	Pass
140	5700	15.82	15.89	15.74	15.68	151.490	21.80	24.00	Pass
144	5720 (For U-NII-2C)	14.45	14.51	14.48	14.46	121.689	20.85	23.01	Pass
144	5720 (For U-NII-3)	9.64	9.64	9.63	9.65	39.971	16.02	30.00	Pass
149	5745	23.02	23.26	23.40	23.68	864.405	29.37	30.00	Pass
157	5785	23.07	23.20	23.58	23.35	856.004	29.32	30.00	Pass
165	5825	23.02	23.13	23.52	23.42	850.728	29.30	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(22.29) = 24.48 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.61) = 24.54 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.16) = 24.45 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5708.87) = 23.07 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(22.35) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.10) = 23.01 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(22.27) = 24.47 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.72) = 24.56 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.09) = 24.44 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.02) = 23.03 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(22.37) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.41) = 24.50 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.64) = 24.54 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.00) = 23.04 < 24\text{dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	17.88	17.72	17.70	17.94	241.647	23.83	24.00	Pass
110	5550	17.88	17.66	17.58	17.84	237.814	23.76	24.00	Pass
134	5670	17.72	17.60	17.85	17.78	237.633	23.76	24.00	Pass
142	5710 (For U-NII-2C)	16.72	16.68	16.76	16.65	201.372	23.04	24.00	Pass
142	5710 (For U-NII-3)	7.45	7.41	7.32	7.44	23.673	13.74	30.00	Pass
151	5755	24.08	23.50	23.96	22.96	926.313	29.67	30.00	Pass
159	5795	24.00	23.70	23.78	23.18	932.362	29.70	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(45.20) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.24) = 27.55 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(45.41) = 27.57 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5687.90) = 26.69 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(45.97) = 27.62 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(44.79) = 27.51 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(45.20) = 27.55 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5687.54) = 26.73 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(45.27) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.34) = 27.56 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(50.40) = 28.02 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5672.19) = 28.22 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(45.27) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.57) = 27.58 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(54.74) = 28.38 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5682.51) = 27.28 > 24\text{dBm}$

802.11ac (VHT20)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	15.68	15.61	15.74	15.70	148.025	21.70	24.00	Pass
116	5580	15.49	15.53	15.56	15.61	143.493	21.57	24.00	Pass
140	5700	15.84	15.90	15.86	15.71	153.062	21.85	24.00	Pass
144	5720 (For U-NII-2C)	14.48	14.53	14.51	14.50	122.531	20.88	23.01	Pass
144	5720 (For U-NII-3)	9.68	9.66	9.65	9.69	40.248	16.05	30.00	Pass
149	5745	23.04	23.27	23.42	23.71	868.446	29.39	30.00	Pass
157	5785	23.10	23.22	23.60	23.38	860.926	29.35	30.00	Pass
165	5825	23.04	23.15	23.56	23.44	855.697	29.32	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(22.29) = 24.48 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.61) = 24.54 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.16) = 24.45 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5708.87) = 23.07 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(22.35) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.10) = 23.01 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(22.27) = 24.47 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.72) = 24.56 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.09) = 24.44 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.02) = 23.03 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(22.37) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.41) = 24.50 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.64) = 24.54 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.00) = 23.04 < 24\text{dBm}$

802.11ac (VHT40)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	17.92	17.73	17.71	17.96	242.774	23.85	24.00	Pass
110	5550	17.90	17.68	17.62	17.89	239.601	23.79	24.00	Pass
134	5670	17.74	17.62	17.88	17.80	238.871	23.78	24.00	Pass
142	5710 (For U-NII-2C)	16.75	16.73	16.79	16.68	203.001	23.07	24.00	Pass
142	5710 (For U-NII-3)	7.46	7.45	7.36	7.48	23.851	13.78	30.00	Pass
151	5755	24.11	23.52	23.98	23.00	932.098	29.69	30.00	Pass
159	5795	24.04	23.72	23.81	23.20	938.384	29.72	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(45.20) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.24) = 27.55 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(45.41) = 27.57 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5687.90) = 26.69 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(45.97) = 27.62 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(44.79) = 27.51 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(45.20) = 27.55 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5687.54) = 26.73 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(45.27) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.34) = 27.56 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(50.40) = 28.02 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5672.19) = 28.22 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(45.27) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.57) = 27.58 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(54.74) = 28.38 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5682.51) = 27.28 > 24\text{dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
106	5530	14.90	15.03	15.24	15.15	128.899	21.10	24.00	Pass
122	5610	17.90	18.01	17.76	17.88	245.980	23.91	24.00	Pass
138	5690 (For U-NII-2C)	17.21	17.30	17.26	17.22	231.122	23.64	24.00	Pass
138	5690 (For U-NII-3)	4.69	4.77	4.71	4.72	12.922	11.11	30.00	Pass
155	5775	20.74	20.57	20.31	20.45	450.918	26.54	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(89.08) = 30.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(89.56) = 30.52 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5645.79) = 29.99 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(89.27) = 30.50 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(89.48) = 30.51 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5633.10) = 30.63 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(91.18) = 30.59 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(88.68) = 30.47 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5621.68) = 31.14 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(88.99) = 30.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(89.26) = 30.50 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5635.37) = 30.52 > 24\text{dBm}$

802.11ac (VHT160)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
114	5570	12.77	13.00	12.64	13.00	77.194	18.88	24.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(173.17) = 33.38 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(174.09) = 33.40 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(174.79) = 33.42 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(175.13) = 33.43 > 24\text{dBm}$

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	15.71	15.65	15.77	15.73	149.136	21.74	24.00	Pass
116	5580	15.54	15.58	15.60	15.65	144.987	21.61	24.00	Pass
140	5700	15.86	15.91	15.97	15.74	154.576	21.89	24.00	Pass
144	5720 (For U-NII-2C)	14.52	14.55	14.53	14.53	123.309	20.91	23.01	Pass
144	5720 (For U-NII-3)	9.72	9.68	9.67	9.71	40.481	16.07	30.00	Pass
149	5745	23.07	23.31	23.45	23.75	875.504	29.42	30.00	Pass
157	5785	23.12	23.25	23.63	23.41	866.420	29.38	30.00	Pass
165	5825	23.06	23.17	23.58	23.46	859.647	29.34	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(22.29) = 24.48 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.61) = 24.54 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.16) = 24.45 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5708.87) = 23.07 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(22.35) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.10) = 23.01 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(22.27) = 24.47 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.72) = 24.56 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.09) = 24.44 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.02) = 23.03 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(22.37) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.41) = 24.50 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.64) = 24.54 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.00) = 23.04 < 24\text{dBm}$

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	17.95	17.76	17.74	17.99	244.457	23.88	24.00	Pass
110	5550	17.92	17.71	17.65	17.92	241.119	23.82	24.00	Pass
134	5670	17.77	17.64	17.92	17.83	240.535	23.81	24.00	Pass
142	5710 (For U-NII-2C)	16.82	16.80	16.83	16.75	206.371	23.15	24.00	Pass
142	5710 (For U-NII-3)	7.54	7.50	7.42	7.50	24.191	13.84	30.00	Pass
151	5755	24.14	23.55	24.01	23.02	938.097	29.72	30.00	Pass
159	5795	24.08	23.75	23.83	23.22	944.436	29.75	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(45.20) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.24) = 27.55 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(45.41) = 27.57 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5687.90) = 26.69 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(45.97) = 27.62 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(44.79) = 27.51 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(45.20) = 27.55 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5687.54) = 26.73 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(45.27) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.34) = 27.56 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(50.40) = 28.02 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5672.19) = 28.22 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(45.27) = 27.55 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(45.57) = 27.58 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(54.74) = 28.38 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5682.51) = 27.28 > 24\text{dBm}$

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
106	5530	14.93	15.08	15.28	15.17	129.942	21.14	24.00	Pass
122	5610	17.95	18.02	17.78	17.91	247.541	23.94	24.00	Pass
138	5690 (For U-NII-2C)	17.23	17.35	17.30	17.27	233.264	23.68	24.00	Pass
138	5690 (For U-NII-3)	4.72	4.80	4.76	4.75	13.027	11.15	30.00	Pass
155	5775	20.76	20.61	20.35	20.48	454.283	26.57	30.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(89.08) = 30.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(89.56) = 30.52 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5645.79) = 29.99 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(89.27) = 30.50 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(89.48) = 30.51 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5633.10) = 30.63 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(91.18) = 30.59 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(88.68) = 30.47 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5621.68) = 31.14 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(88.99) = 30.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(89.26) = 30.50 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(5725.00 - 5635.37) = 30.52 > 24\text{dBm}$

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
114	5570	12.79	13.03	12.67	13.01	77.593	18.90	24.00	Pass

Note:

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(173.17) = 33.38 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(174.09) = 33.40 > 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(174.79) = 33.42 > 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(175.13) = 33.43 > 24\text{dBm}$

Beamforming Mode

2TX

802.11n (HT20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.17	18.97	161.490	22.08	29.99	Pass
40	5200	21.24	20.99	258.648	24.13	29.99	Pass
48	5240	22.60	22.46	358.168	25.54	29.99	Pass
52	5260	17.72	17.63	117.099	20.69	23.99	Pass
60	5300	17.89	17.66	119.862	20.79	23.99	Pass
64	5320	17.77	17.63	117.784	20.71	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (6.01 - 6) = 29.99\text{dBi}$.
2. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBi}$.

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(21.62) = 24.34 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.81) = 24.38 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(21.65) = 24.35 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(21.93) = 24.41 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(21.98) = 24.42 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.24) = 24.47 > 24\text{dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	17.54	17.51	113.118	20.54	29.99	Pass
46	5230	20.13	19.97	202.350	23.06	29.99	Pass
54	5270	17.63	17.82	118.477	20.74	23.99	Pass
62	5310	17.61	17.43	113.012	20.53	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (6.01 - 6) = 29.99\text{dBi}$.
2. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBi}$.

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.06) = 27.23 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.10) = 27.24 > 24\text{dBm}$

802.11ac (VHT20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.19	19.00	162.418	22.11	29.99	Pass
40	5200	21.27	21.01	260.150	24.15	29.99	Pass
48	5240	22.63	22.52	361.880	25.59	29.99	Pass
52	5260	17.74	17.65	117.640	20.71	23.99	Pass
60	5300	17.92	17.69	120.693	20.82	23.99	Pass
64	5320	17.79	17.66	118.462	20.74	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi > 6dBi, so the power limit shall be reduced to 30 - (6.01 - 6) = 29.99dBi.
2. 5260-5320MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi > 6dBi, so the power limit shall be reduced to 24 - (6.01 - 6) = 23.99dBi.

For U-NII-2A Band:

Chain 0

1. 11dBm + 10log (21.62) = 24.34 > 24dBm
2. 11dBm + 10log (21.81) = 24.38 > 24dBm
3. 11dBm + 10log (21.65) = 24.35 > 24dBm

Chain 1

1. 11dBm + 10log (21.93) = 24.41 > 24dBm
2. 11dBm + 10log (21.98) = 24.42 > 24dBm
3. 11dBm + 10log (22.24) = 24.47 > 24dBm

802.11ac (VHT40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	17.57	17.53	113.772	20.56	29.99	Pass
46	5230	20.15	19.99	203.284	23.08	29.99	Pass
54	5270	17.65	17.84	119.024	20.76	23.99	Pass
62	5310	17.63	17.45	113.533	20.55	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (6.01 - 6) = 29.99\text{dBi}$.
2. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBi}$.

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.06) = 27.23 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.10) = 27.24 > 24\text{dBm}$

802.11ac (VHT80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	17.13	16.99	101.645	20.07	29.99	Pass
58	5290	17.20	17.10	103.767	20.16	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (6.01 - 6) = 29.99\text{dBi}$.
2. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBi}$.

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.32) = 30.20 > 24\text{dBm}$

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	19.21	19.03	163.352	22.13	29.99	Pass
40	5200	21.30	21.07	262.834	24.20	29.99	Pass
48	5240	22.66	22.61	366.891	25.65	29.99	Pass
52	5260	17.77	17.68	118.455	20.74	23.99	Pass
60	5300	17.94	17.73	121.523	20.85	23.99	Pass
64	5320	17.83	17.70	119.558	20.78	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi > 6dBi, so the power limit shall be reduced to 30 - (6.01 - 6) = 29.99dBi.
2. 5260-5320MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi > 6dBi, so the power limit shall be reduced to 24 - (6.01 - 6) = 23.99dBi.

For U-NII-2A Band:

Chain 0

1. 11dBm + 10log (21.62) = 24.34 > 24dBm
2. 11dBm + 10log (21.81) = 24.38 > 24dBm
3. 11dBm + 10log (21.65) = 24.35 > 24dBm

Chain 1

1. 11dBm + 10log (21.93) = 24.41 > 24dBm
2. 11dBm + 10log (21.98) = 24.42 > 24dBm
3. 11dBm + 10log (22.24) = 24.47 > 24dBm

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	17.60	17.56	114.560	20.59	29.99	Pass
46	5230	20.17	20.02	204.454	23.11	29.99	Pass
54	5270	17.68	17.86	119.708	20.78	23.99	Pass
62	5310	17.66	17.47	114.192	20.58	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (6.01 - 6) = 29.99\text{dBi}$.
2. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBi}$.

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(41.95) = 27.22 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.06) = 27.23 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(42.34) = 27.26 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(42.10) = 27.24 > 24\text{dBm}$

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	17.15	17.02	102.230	20.10	29.99	Pass
58	5290	17.22	17.13	104.365	20.19	23.99	Pass

Note:

1. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (6.01 - 6) = 29.99\text{dBi}$.
2. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (6.01 - 6) = 23.99\text{dBi}$.

For U-NII-2A Band:

Chain 0

1. $11\text{dBm} + 10\log(83.00) = 30.19 > 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(83.32) = 30.20 > 24\text{dBm}$

4TX

802.11n (HT20)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	9.62	9.55	9.69	9.65	36.715	15.65	20.98	Pass
116	5580	9.41	9.46	9.49	9.55	35.468	15.50	20.98	Pass
140	5700	9.80	9.87	9.72	9.66	37.878	15.78	20.98	Pass
144	5720 (For U-NII-2C)	8.43	8.49	8.46	8.44	30.426	14.83	19.99	Pass
144	5720 (For U-NII-3)	3.62	3.62	3.61	3.63	9.994	10.00	26.98	Pass
149	5745	17.00	17.24	17.38	17.66	216.131	23.35	26.98	Pass
157	5785	17.05	17.18	17.56	17.33	214.031	23.30	26.98	Pass
165	5825	17.00	17.11	17.50	17.40	212.711	23.28	26.98	Pass

Note:

- 5500-5700MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (9.02 - 6) = 20.98\text{dBi}$.
- 5720MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $23.01 - (9.02 - 6) = 19.99\text{dBi}$.
- 5745-5825MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (9.02 - 6) = 26.98\text{dBi}$.

For U-NII-2C Band:

Chain 0

- $11\text{dBm} + 10\log(22.29) = 24.48 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.61) = 24.54 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.16) = 24.45 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5708.87) = 23.07 < 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(22.35) = 24.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.10) = 23.01 < 24\text{dBm}$

Chain 2

- $11\text{dBm} + 10\log(22.27) = 24.47 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.72) = 24.56 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.09) = 24.44 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.02) = 23.03 < 24\text{dBm}$

Chain 3

- $11\text{dBm} + 10\log(22.37) = 24.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.41) = 24.50 > 24\text{dBm}$
- $11\text{dBm} + 10\log(22.64) = 24.54 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5709.00) = 23.04 < 24\text{dBm}$

802.11n (HT40)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	11.86	11.70	11.68	11.92	60.420	17.81	20.98	Pass
110	5550	11.86	11.64	11.56	11.82	59.462	17.74	20.98	Pass
134	5670	11.70	11.58	11.83	11.76	59.416	17.74	20.98	Pass
142	5710 (For U-NII-2C)	10.70	10.66	10.74	10.63	50.350	17.02	20.98	Pass
142	5710 (For U-NII-3)	1.43	1.39	1.30	1.42	5.919	7.72	26.98	Pass
151	5755	18.06	17.48	17.94	16.94	231.61	23.65	26.98	Pass
159	5795	17.98	17.68	17.76	17.16	233.123	23.68	26.98	Pass

Note:

- 5500-5720MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 24 - (9.02 - 6) = 20.98dBi.
- 5745-5825MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 30 - (9.02 - 6) = 26.98dBi.

For U-NII-2C Band:

Chain 0

- 11dBm + 10log (45.20) = 27.55 > 24dBm
- 11dBm + 10log (45.24) = 27.55 > 24dBm
- 11dBm + 10log (45.41) = 27.57 > 24dBm
- 11dBm + 10log (5725.00 - 5687.90) = 26.69 > 24dBm

Chain 1

- 11dBm + 10log (45.97) = 27.62 > 24dBm
- 11dBm + 10log (44.79) = 27.51 > 24dBm
- 11dBm + 10log (45.20) = 27.55 > 24dBm
- 11dBm + 10log (5725.00 - 5687.54) = 26.73 > 24dBm

Chain 2

- 11dBm + 10log (45.27) = 27.55 > 24dBm
- 11dBm + 10log (45.34) = 27.56 > 24dBm
- 11dBm + 10log (50.40) = 28.02 > 24dBm
- 11dBm + 10log (5725.00 - 5672.19) = 28.22 > 24dBm

Chain 3

- 11dBm + 10log (45.27) = 27.55 > 24dBm
- 11dBm + 10log (45.57) = 27.58 > 24dBm
- 11dBm + 10log (54.74) = 28.38 > 24dBm
- 11dBm + 10log (5725.00 - 5682.51) = 27.28 > 24dBm

802.11ac (VHT20)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	9.66	9.59	9.72	9.68	37.011	15.68	20.98	Pass
116	5580	9.47	9.51	9.54	9.59	35.878	15.55	20.98	Pass
140	5700	9.82	9.88	9.84	9.69	38.271	15.83	20.98	Pass
144	5720 (For U-NII-2C)	8.46	8.51	8.49	8.48	30.637	14.86	19.99	Pass
144	5720 (For U-NII-3)	3.66	3.64	3.63	3.67	10.063	10.03	26.98	Pass
149	5745	17.02	17.25	17.40	17.69	217.142	23.37	26.98	Pass
157	5785	17.08	17.20	17.58	17.36	215.261	23.33	26.98	Pass
165	5825	17.02	17.13	17.54	17.42	213.954	23.30	26.98	Pass

Note:

1. 5500-5700MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 24 - (9.02 - 6) = 20.98dBi.
2. 5720MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 23.01 - (9.02 - 6) = 19.99dBi.
3. 5745-5825MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 30 - (9.02 - 6) = 26.98dBi.

For U-NII-2C Band:

Chain 0

1. 11dBm + 10log (22.29) = 24.48 > 24dBm
2. 11dBm + 10log (22.61) = 24.54 > 24dBm
3. 11dBm + 10log (22.16) = 24.45 > 24dBm
4. 11dBm + 10log (5725.00 - 5708.87) = 23.07 < 24dBm

Chain 1

1. 11dBm + 10log (22.35) = 24.49 > 24dBm
2. 11dBm + 10log (22.38) = 24.49 > 24dBm
3. 11dBm + 10log (22.38) = 24.49 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.10) = 23.01 < 24dBm

Chain 2

1. 11dBm + 10log (22.27) = 24.47 > 24dBm
2. 11dBm + 10log (22.72) = 24.56 > 24dBm
3. 11dBm + 10log (22.09) = 24.44 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.02) = 23.03 < 24dBm

Chain 3

1. 11dBm + 10log (22.37) = 24.49 > 24dBm
2. 11dBm + 10log (22.41) = 24.50 > 24dBm
3. 11dBm + 10log (22.64) = 24.54 > 24dBm
4. 11dBm + 10log (5725.00 - 5709.00) = 23.04 < 24dBm

802.11ac (VHT40)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	11.90	11.71	11.69	11.94	60.702	17.83	20.98	Pass
110	5550	11.88	11.66	11.60	11.87	59.908	17.77	20.98	Pass
134	5670	11.72	11.60	11.86	11.78	59.726	17.76	20.98	Pass
142	5710 (For U-NII-2C)	10.73	10.71	10.77	10.66	50.757	17.05	20.98	Pass
142	5710 (For U-NII-3)	1.44	1.43	1.34	1.46	5.964	7.76	26.98	Pass
151	5755	18.09	17.50	17.96	16.98	233.057	23.67	26.98	Pass
159	5795	18.02	17.70	17.79	17.18	234.628	23.70	26.98	Pass

Note:

- 5500-5720MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 24 - (9.02 - 6) = 20.98dBi.
- 5745-5825MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 30 - (9.02 - 6) = 26.98dBi.

For U-NII-2C Band:

Chain 0

- 11dBm + 10log (45.20) = 27.55 > 24dBm
- 11dBm + 10log (45.24) = 27.55 > 24dBm
- 11dBm + 10log (45.41) = 27.57 > 24dBm
- 11dBm + 10log (5725.00 - 5687.90) = 26.69 > 24dBm

Chain 1

- 11dBm + 10log (45.97) = 27.62 > 24dBm
- 11dBm + 10log (44.79) = 27.51 > 24dBm
- 11dBm + 10log (45.20) = 27.55 > 24dBm
- 11dBm + 10log (5725.00 - 5687.54) = 26.73 > 24dBm

Chain 2

- 11dBm + 10log (45.27) = 27.55 > 24dBm
- 11dBm + 10log (45.34) = 27.56 > 24dBm
- 11dBm + 10log (50.40) = 28.02 > 24dBm
- 11dBm + 10log (5725.00 - 5672.19) = 28.22 > 24dBm

Chain 3

- 11dBm + 10log (45.27) = 27.55 > 24dBm
- 11dBm + 10log (45.57) = 27.58 > 24dBm
- 11dBm + 10log (54.74) = 28.38 > 24dBm
- 11dBm + 10log (5725.00 - 5682.51) = 27.28 > 24dBm

802.11ac (VHT80)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
106	5530	8.88	9.01	9.22	9.13	32.229	15.08	20.98	Pass
122	5610	11.88	11.99	11.74	11.86	61.504	17.89	20.98	Pass
138	5690 (For U-NII-2C)	11.19	11.28	11.24	11.20	57.788	17.62	20.98	Pass
138	5690 (For U-NII-3)	-1.33	-1.25	-1.31	-1.30	3.231	5.09	26.98	Pass
155	5775	14.72	14.55	14.29	14.43	112.745	20.52	26.98	Pass

Note:

- 5500-5720MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (9.02 - 6) = 20.98\text{dBi}$.
- 5745-5825MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (9.02 - 6) = 26.98\text{dBi}$.

For U-NII-2C Band:

Chain 0

- $11\text{dBm} + 10\log(89.08) = 30.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(89.56) = 30.52 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5645.79) = 29.99 > 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(89.27) = 30.50 > 24\text{dBm}$
- $11\text{dBm} + 10\log(89.48) = 30.51 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5633.10) = 30.63 > 24\text{dBm}$

Chain 2

- $11\text{dBm} + 10\log(91.18) = 30.59 > 24\text{dBm}$
- $11\text{dBm} + 10\log(88.68) = 30.47 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5621.68) = 31.14 > 24\text{dBm}$

Chain 3

- $11\text{dBm} + 10\log(88.99) = 30.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(89.26) = 30.50 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5635.37) = 30.52 > 24\text{dBm}$

802.11ac (VHT160)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
114	5570	6.75	6.98	6.62	6.98	19.301	12.86	20.98	Pass

Note: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (9.02 - 6) = 20.98\text{dBi}$.

For U-NII-2C Band:

Chain 0

$$1. 11\text{dBm} + 10\log(173.17) = 33.38 > 24\text{dBm}$$

Chain 1

$$1. 11\text{dBm} + 10\log(174.09) = 33.40 > 24\text{dBm}$$

Chain 2

$$1. 11\text{dBm} + 10\log(174.79) = 33.42 > 24\text{dBm}$$

Chain 3

$$1. 11\text{dBm} + 10\log(175.13) = 33.43 > 24\text{dBm}$$

802.11ax (HE20)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	9.69	9.63	9.75	9.71	37.289	15.72	20.98	Pass
116	5580	9.52	9.56	9.58	9.63	36.252	15.59	20.98	Pass
140	5700	9.84	9.89	9.95	9.72	38.649	15.87	20.98	Pass
144	5720 (For U-NII-2C)	8.50	8.53	8.51	8.51	30.832	14.89	19.99	Pass
144	5720 (For U-NII-3)	3.70	3.66	3.65	3.69	10.122	10.05	26.98	Pass
149	5745	17.05	17.29	17.43	17.73	218.906	23.40	26.98	Pass
157	5785	17.10	17.23	17.61	17.39	216.635	23.36	26.98	Pass
165	5825	17.04	17.15	17.56	17.44	214.941	23.32	26.98	Pass

Note:

1. 5500-5700MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (9.02 - 6) = 20.98\text{dBi}$.
2. 5720MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $23.01 - (9.02 - 6) = 19.99\text{dBi}$.
3. 5745-5825MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (9.02 - 6) = 26.98\text{dBi}$.

For U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(22.29) = 24.48 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.61) = 24.54 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.16) = 24.45 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5708.87) = 23.07 < 24\text{dBm}$

Chain 1

1. $11\text{dBm} + 10\log(22.35) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.38) = 24.49 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.10) = 23.01 < 24\text{dBm}$

Chain 2

1. $11\text{dBm} + 10\log(22.27) = 24.47 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.72) = 24.56 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.09) = 24.44 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.02) = 23.03 < 24\text{dBm}$

Chain 3

1. $11\text{dBm} + 10\log(22.37) = 24.49 > 24\text{dBm}$
2. $11\text{dBm} + 10\log(22.41) = 24.50 > 24\text{dBm}$
3. $11\text{dBm} + 10\log(22.64) = 24.54 > 24\text{dBm}$
4. $11\text{dBm} + 10\log(5725.00 - 5709.00) = 23.04 < 24\text{dBm}$

802.11ax (HE40)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	11.93	11.74	11.72	11.97	61.123	17.86	20.98	Pass
110	5550	11.90	11.69	11.63	11.90	60.288	17.80	20.98	Pass
134	5670	11.75	11.62	11.90	11.81	60.142	17.79	20.98	Pass
142	5710 (For U-NII-2C)	10.80	10.78	10.81	10.73	51.492	17.12	20.98	Pass
142	5710 (For U-NII-3)	1.52	1.48	1.40	1.48	6.036	7.81	26.98	Pass
151	5755	18.12	17.53	17.99	17.00	234.557	23.70	26.98	Pass
159	5795	18.06	17.73	17.81	17.20	236.142	23.73	26.98	Pass

Note:

- 5500-5720MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 24 - (9.02 - 6) = 20.98dBi.
- 5745-5825MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power limit shall be reduced to 30 - (9.02 - 6) = 26.98dBi.

For U-NII-2C Band:

Chain 0

- 11dBm + 10log (45.20) = 27.55 > 24dBm
- 11dBm + 10log (45.24) = 27.55 > 24dBm
- 11dBm + 10log (45.41) = 27.57 > 24dBm
- 11dBm + 10log (5725.00 - 5687.90) = 26.69 > 24dBm

Chain 1

- 11dBm + 10log (45.97) = 27.62 > 24dBm
- 11dBm + 10log (44.79) = 27.51 > 24dBm
- 11dBm + 10log (45.20) = 27.55 > 24dBm
- 11dBm + 10log (5725.00 - 5687.54) = 26.73 > 24dBm

Chain 2

- 11dBm + 10log (45.27) = 27.55 > 24dBm
- 11dBm + 10log (45.34) = 27.56 > 24dBm
- 11dBm + 10log (50.40) = 28.02 > 24dBm
- 11dBm + 10log (5725.00 - 5672.19) = 28.22 > 24dBm

Chain 3

- 11dBm + 10log (45.27) = 27.55 > 24dBm
- 11dBm + 10log (45.57) = 27.58 > 24dBm
- 11dBm + 10log (54.74) = 28.38 > 24dBm
- 11dBm + 10log (5725.00 - 5682.51) = 27.28 > 24dBm

802.11ax (HE80)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
106	5530	8.91	9.06	9.26	9.15	32.490	15.12	20.98	Pass
122	5610	11.93	12.00	11.76	11.89	61.894	17.92	20.98	Pass
138	5690 (For U-NII-2C)	11.21	11.33	11.28	11.25	58.324	17.66	20.98	Pass
138	5690 (For U-NII-3)	-1.30	-1.22	-1.26	-1.27	3.2571	5.13	26.98	Pass
155	5775	14.74	14.59	14.33	14.46	113.587	20.55	26.98	Pass

Note:

- 5500-5720MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (9.02 - 6) = 20.98\text{dBi}$.
- 5745-5825MHz: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (9.02 - 6) = 26.98\text{dBi}$.

For U-NII-2C Band:

Chain 0

- $11\text{dBm} + 10\log(89.08) = 30.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(89.56) = 30.52 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5645.79) = 29.99 > 24\text{dBm}$

Chain 1

- $11\text{dBm} + 10\log(89.27) = 30.50 > 24\text{dBm}$
- $11\text{dBm} + 10\log(89.48) = 30.51 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5633.10) = 30.63 > 24\text{dBm}$

Chain 2

- $11\text{dBm} + 10\log(91.18) = 30.59 > 24\text{dBm}$
- $11\text{dBm} + 10\log(88.68) = 30.47 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5621.68) = 31.14 > 24\text{dBm}$

Chain 3

- $11\text{dBm} + 10\log(88.99) = 30.49 > 24\text{dBm}$
- $11\text{dBm} + 10\log(89.26) = 30.50 > 24\text{dBm}$
- $11\text{dBm} + 10\log(5725.00 - 5635.37) = 30.52 > 24\text{dBm}$

802.11ax (HE160)

Chan.	Freq. (MHz)	Average Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
114	5570	6.77	7.01	6.65	6.99	19.401	12.88	20.98	Pass

Note: Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (9.02 - 6) = 20.98\text{dBi}$.

For U-NII-2C Band:

Chain 0

$$1. 11\text{dBm} + 10\log(173.17) = 33.38 > 24\text{dBm}$$

Chain 1

$$1. 11\text{dBm} + 10\log(174.09) = 33.40 > 24\text{dBm}$$

Chain 2

$$1. 11\text{dBm} + 10\log(174.79) = 33.42 > 24\text{dBm}$$

Chain 3

$$1. 11\text{dBm} + 10\log(175.13) = 33.43 > 24\text{dBm}$$

26dB Bandwidth:

2TX

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	20.63	20.86
60	5300	20.76	20.80
64	5320	20.64	20.71

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.62	21.93
60	5300	21.81	21.98
64	5320	21.65	22.24

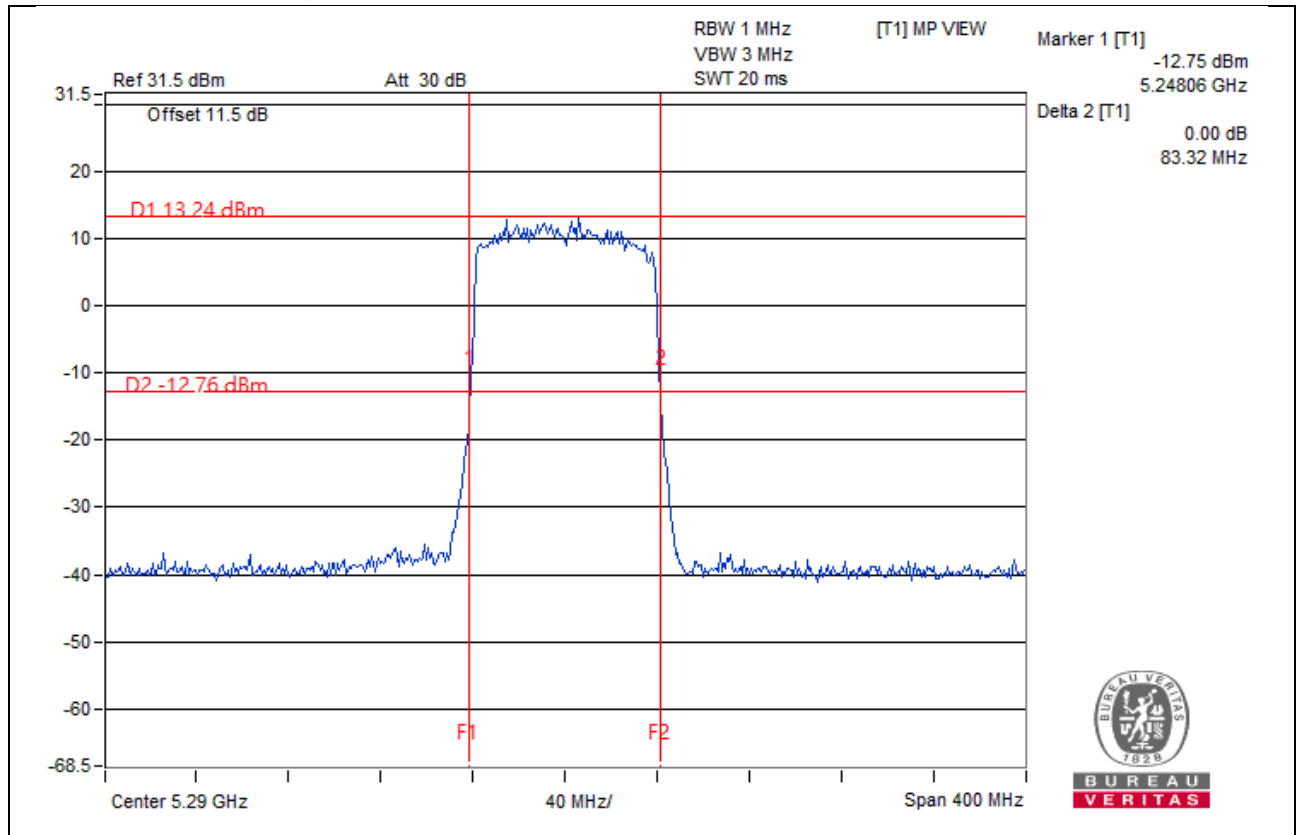
802.11ax (HE40)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	41.95	42.34
62	5310	42.06	42.10

802.11ax (HE80)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.00	83.32

**此測試圖僅放測試結果最差的頻道。



4TX

802.11a

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
100	5500	20.82	20.81	20.83	20.81
116	5580	20.52	20.56	20.64	20.35
140	5700	20.55	20.70	20.83	20.55
144	5720 (For U-NII-2C)	15.38	15.29	15.26	15.20

For CH144 (U-NII-2C Band): The 26dBc bandwidth below 5725MHz = 5725MHz - Marker 1

802.11ax (HE20)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
100	5500	22.29	22.35	22.27	22.37
116	5580	22.61	22.38	22.72	22.41
140	5700	22.16	22.38	22.09	22.64
144	5720 (For U-NII-2C)	16.13	15.90	15.98	16.00

For CH144 (U-NII-2C Band): The 26dBc bandwidth below 5725MHz = 5725MHz - Marker 1

802.11ax (HE40)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
102	5510	45.20	45.97	45.27	45.27
110	5550	45.24	44.79	45.34	45.57
134	5670	45.41	45.20	50.40	54.74
142	5710 (For U-NII-2C)	37.10	37.46	52.81	42.49

For CH142 (U-NII-2C Band): The 26dBc bandwidth below 5725MHz = 5725MHz - Marker 1

802.11ax (HE80)

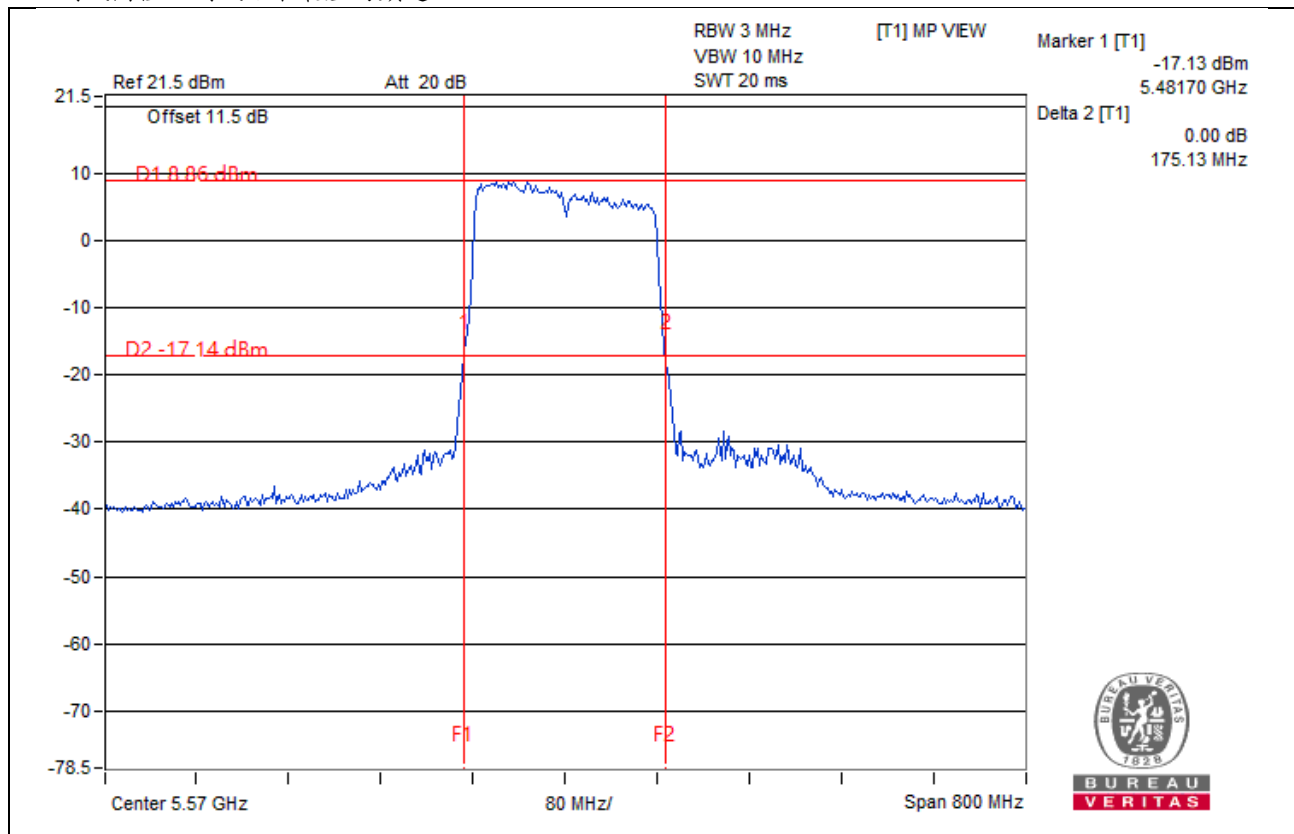
Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
106	5530	89.08	89.27	91.18	88.99
122	5610	89.56	89.48	88.68	89.26
138	5690 (For U-NII-2C)	79.21	91.90	103.32	89.63

For CH138 (U-NII-2C Band): The 26dBc bandwidth below 5725MHz = 5725MHz - Marker 1

802.11ax (HE160)

Chan.	Freq. (MHz)	26dBc Bandwidth (MHz)			
		Chain 0	Chain 1	Chain 2	Chain 3
114	5570	173.17	174.09	174.79	175.13

**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 功率頻譜密度之量測

12.1 適用標準

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

12.2 量測方法

For 5180 ~ 5240MHz, 5260 ~ 5320MHz and 5500 ~ 5720MHz:

Using method SA-2

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

For 5745 ~ 5825MHz:

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

12.3 量測儀器

同 8.3 節。

12.4 測試配置

同 8.4 節。

12.5 量測結果

操作模式	發射	測試日期	110 年 11 月 16 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳佳衡		

2TX

For 5180 ~ 5240MHz, 5260 ~ 5320MHz

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	7.62	8.11	0.38	11.26	16.99	Pass
40	5200	10.35	10.69	0.38	13.91	16.99	Pass
48	5240	12.28	12.84	0.38	15.96	16.99	Pass
52	5260	6.07	6.45	0.38	9.65	10.99	Pass
60	5300	6.27	6.36	0.38	9.71	10.99	Pass
64	5320	6.59	5.98	0.38	9.69	10.99	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.
- 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $17 - (6.01 - 6) = 16.99\text{dBi}$.
- 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.01 - 6) = 10.99\text{dBi}$.
- Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	7.44	7.23	0.24	10.59	16.99	Pass
40	5200	9.31	9.61	0.24	12.71	16.99	Pass
48	5240	10.17	10.08	0.24	13.38	16.99	Pass
52	5260	5.62	5.66	0.24	8.89	10.99	Pass
60	5300	5.90	6.14	0.24	9.27	10.99	Pass
64	5320	6.67	5.61	0.24	9.42	10.99	Pass

Note:

1. 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.
2. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $17 - (6.01 - 6) = 16.99\text{dBi}$.
3. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.01 - 6) = 10.99\text{dBi}$.
4. Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	2.72	2.73	0.25	5.99	16.99	Pass
46	5230	5.43	5.20	0.25	8.58	16.99	Pass
54	5270	2.90	3.24	0.25	6.33	10.99	Pass
62	5310	3.04	2.73	0.25	6.15	10.99	Pass

Note:

1. 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.
2. 5180-5240MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $17 - (6.01 - 6) = 16.99\text{dBi}$.
3. 5260-5320MHz: Directional gain = $3\text{dBi} + 10\log(2) = 6.01\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.01 - 6) = 10.99\text{dBi}$.
4. Refer to section 2.1 for duty cycle spectrum plot.

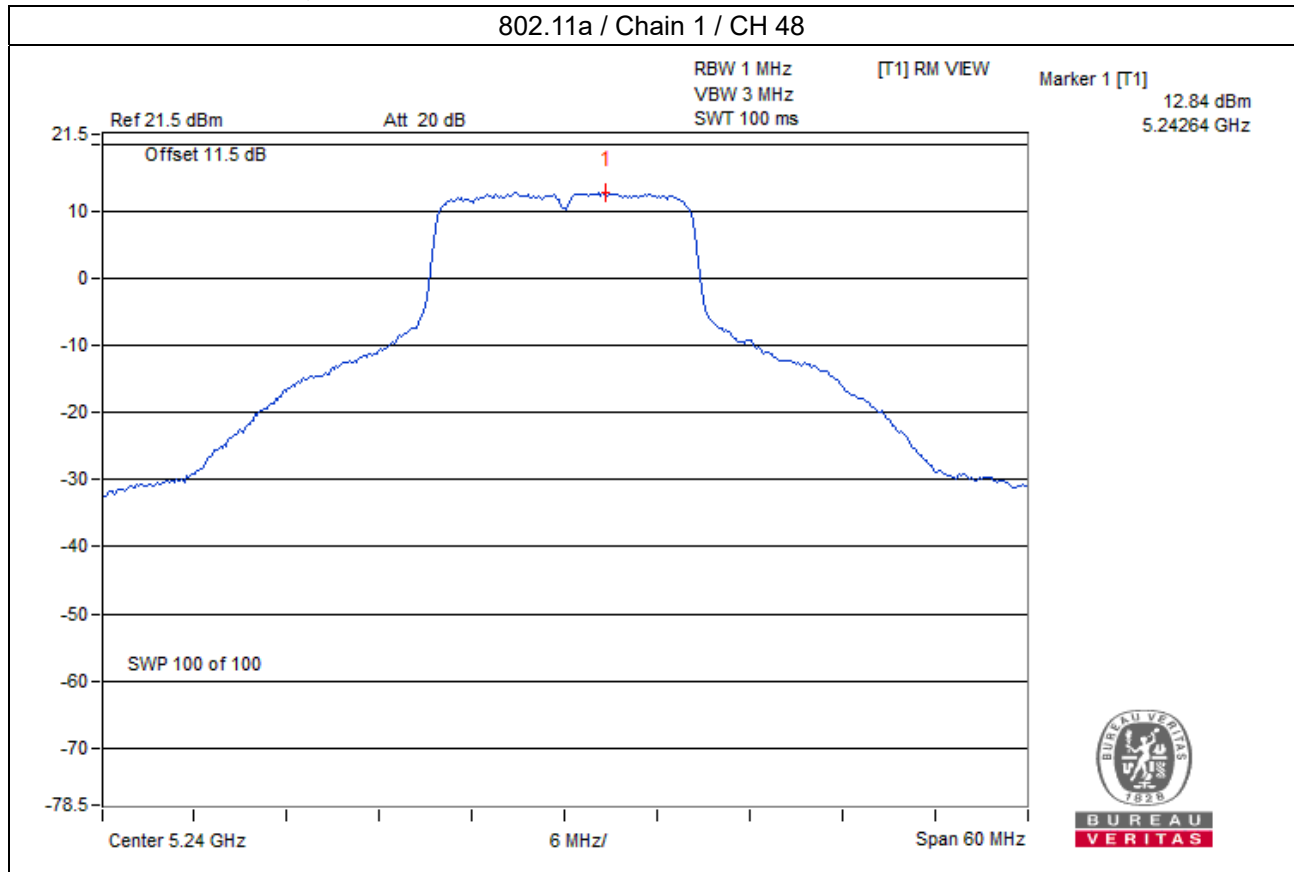
802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)		Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-0.87	-0.75	0.30	2.50	16.99	Pass
58	5290	-0.38	-0.04	0.30	3.10	10.99	Pass

Note:

1. 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.
2. 5180-5240MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi > 6dBi, so the power density limit shall be reduced to 17 - (6.01 - 6) = 16.99dBi.
3. 5260-5320MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi > 6dBi, so the power density limit shall be reduced to 11 - (6.01 - 6) = 10.99dBi.
4. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



4TX

For 5500 ~ 5720MHz

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	1.06	1.85	1.62	1.57	0.27	7.83	7.98	Pass
116	5580	0.96	1.28	1.93	1.84	0.27	7.81	7.98	Pass
140	5700	1.04	1.20	1.86	1.84	0.27	7.79	7.98	Pass
144	5720 (For U-NII-2C)	1.27	1.36	1.11	1.31	0.27	7.55	7.98	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.
- Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.02 - 6) = 7.98\text{dBi}$.
- Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
100	5500	0.91	0.21	1.24	1.02	0.36	7.24	7.98	Pass
116	5580	0.77	1.74	1.01	0.45	0.36	7.40	7.98	Pass
140	5700	1.03	0.99	1.08	1.16	0.36	7.45	7.98	Pass
144	5720 (For U-NII-2C)	0.62	1.69	1.35	0.89	0.36	7.54	7.98	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.
- Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.02 - 6) = 7.98\text{dBi}$.
- Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
102	5510	1.18	0.76	0.49	0.08	0.33	7.00	7.98	Pass
110	5550	-0.68	0.00	-0.66	0.87	0.33	6.28	7.98	Pass
134	5670	0.80	0.39	1.12	0.66	0.33	7.10	7.98	Pass
142	5710 (For U-NII-2C)	-0.78	-0.14	1.09	0.16	0.33	6.49	7.98	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.
- Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.02 - 6) = 7.98\text{dBi}$.
- Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
106	5530	-5.80	-6.58	-6.42	-5.11	0.37	0.45	7.98	Pass
122	5610	-2.35	-1.72	-2.09	-1.85	0.37	4.39	7.98	Pass
138	5690 (For U-NII-2C)	-3.49	-2.36	-2.75	-1.09	0.37	4.06	7.98	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.
- Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.02 - 6) = 7.98\text{dBi}$.
- Refer to section 2.1 for duty cycle spectrum plot.

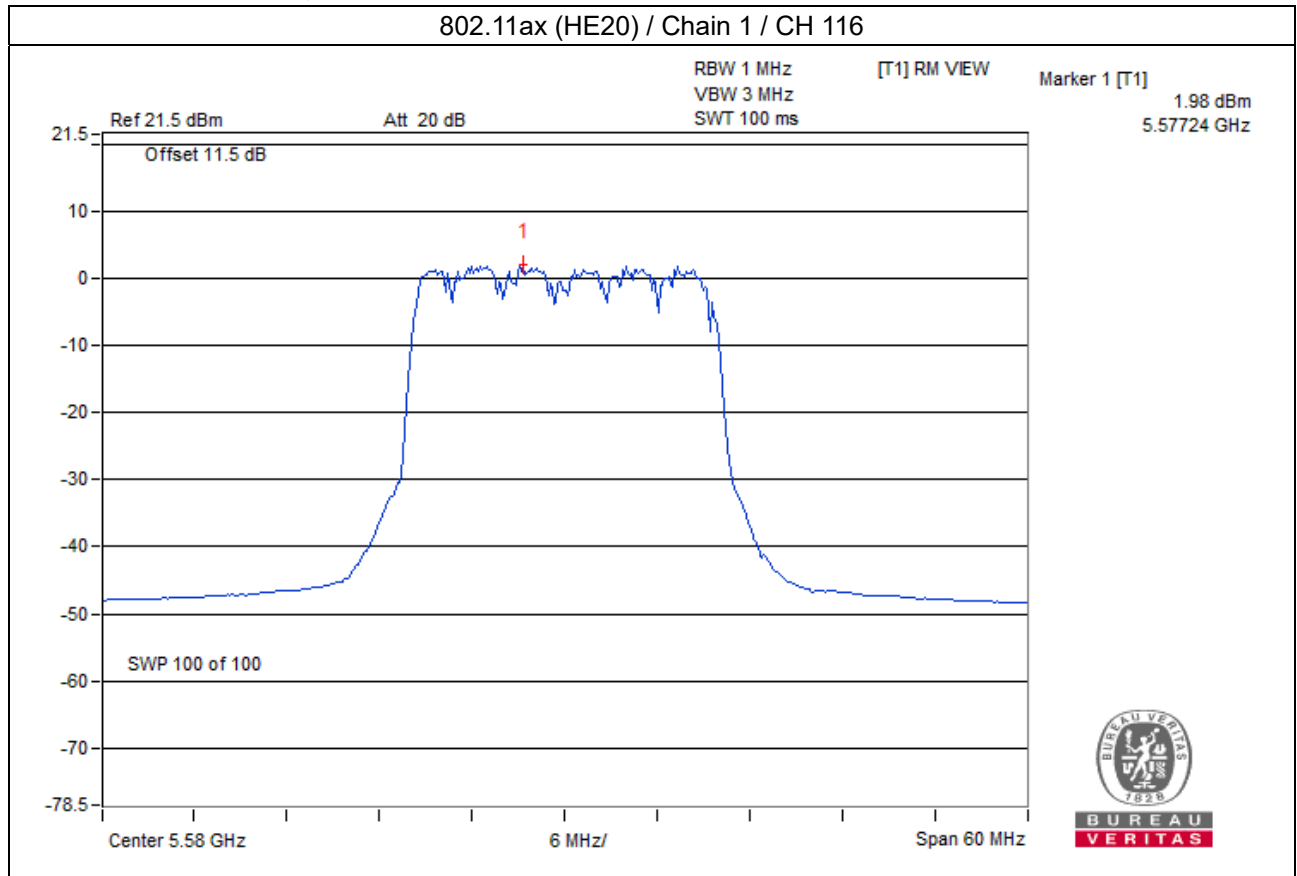
802.11ax (HE160)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/MHz)				Duty Factor (dB)	Total PSD with Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
114	5570	-10.96	-11.00	-11.27	-10.83	0.71	-4.28	7.98	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.
- Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (9.02 - 6) = 7.98\text{dBi}$.
- Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



For 5745 ~ 5825MHz

802.11a

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 (For U-NII-3)	-6.11	-3.89	6.02	0.27	2.40	26.98	Pass
	149	5745	0.81	3.03	6.02	0.27	9.32	26.98	Pass
	157	5785	1.32	3.54	6.02	0.27	9.83	26.98	Pass
	165	5825	1.38	3.60	6.02	0.27	9.89	26.98	Pass
1	144	5720 (For U-NII-3)	-6.65	-4.43	6.02	0.27	1.86	26.98	Pass
	149	5745	0.36	2.58	6.02	0.27	8.87	26.98	Pass
	157	5785	0.61	2.83	6.02	0.27	9.12	26.98	Pass
	165	5825	0.76	2.98	6.02	0.27	9.27	26.98	Pass
2	144	5720 (For U-NII-3)	-6.88	-4.66	6.02	0.27	1.63	26.98	Pass
	149	5745	-0.19	2.03	6.02	0.27	8.32	26.98	Pass
	157	5785	1.06	3.28	6.02	0.27	9.57	26.98	Pass
	165	5825	0.84	3.06	6.02	0.27	9.35	26.98	Pass
3	144	5720 (For U-NII-3)	-6.60	-4.38	6.02	0.27	1.91	26.98	Pass
	149	5745	0.41	2.63	6.02	0.27	8.92	26.98	Pass
	157	5785	0.39	2.61	6.02	0.27	8.90	26.98	Pass
	165	5825	0.49	2.71	6.02	0.27	9.00	26.98	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
2. Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (9.02 - 6) = 26.98\text{dBi}$.
3. Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE20)

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	144	5720 (For U-NII-3)	-7.97	-5.75	6.02	0.36	0.63	26.98	Pass
	149	5745	-1.52	0.70	6.02	0.36	7.08	26.98	Pass
	157	5785	-0.25	1.97	6.02	0.36	8.35	26.98	Pass
	165	5825	-0.31	1.91	6.02	0.36	8.29	26.98	Pass
1	144	5720 (For U-NII-3)	-8.16	-5.94	6.02	0.36	0.44	26.98	Pass
	149	5745	-1.84	0.38	6.02	0.36	6.76	26.98	Pass
	157	5785	-0.76	1.46	6.02	0.36	7.84	26.98	Pass
	165	5825	-0.68	1.54	6.02	0.36	7.92	26.98	Pass
2	144	5720 (For U-NII-3)	-7.34	-5.12	6.02	0.36	1.26	26.98	Pass
	149	5745	-2.06	0.16	6.02	0.36	6.54	26.98	Pass
	157	5785	-1.55	0.67	6.02	0.36	7.05	26.98	Pass
	165	5825	-0.36	1.86	6.02	0.36	8.24	26.98	Pass
3	144	5720 (For U-NII-3)	-7.64	-5.42	6.02	0.36	0.96	26.98	Pass
	149	5745	-1.69	0.53	6.02	0.36	6.91	26.98	Pass
	157	5785	-1.37	0.85	6.02	0.36	7.23	26.98	Pass
	165	5825	-1.17	1.05	6.02	0.36	7.43	26.98	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add $10 \log (N_{ANT})$ dB.
- Directional gain = $3\text{dBi} + 10\log(4) = 9.02\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (9.02 - 6) = 26.98\text{dBi}$.
- Refer to section 2.1 for duty cycle spectrum plot.

802.11ax (HE40)

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	142	5710 (For U-NII-3)	-8.82	-6.60	6.02	0.33	-0.25	26.98	Pass
	151	5755	-4.10	-1.88	6.02	0.33	4.47	26.98	Pass
	159	5795	-3.15	-0.93	6.02	0.33	5.42	26.98	Pass
1	142	5710 (For U-NII-3)	-9.70	-7.48	6.02	0.33	-1.13	26.98	Pass
	151	5755	-4.98	-2.76	6.02	0.33	3.59	26.98	Pass
	159	5795	-3.50	-1.28	6.02	0.33	5.07	26.98	Pass
2	142	5710 (For U-NII-3)	-8.84	-6.62	6.02	0.33	-0.27	26.98	Pass
	151	5755	-5.65	-3.43	6.02	0.33	2.92	26.98	Pass
	159	5795	-4.22	-2.00	6.02	0.33	4.35	26.98	Pass
3	142	5710 (For U-NII-3)	-8.96	-6.74	6.02	0.33	-0.39	26.98	Pass
	151	5755	-4.74	-2.52	6.02	0.33	3.83	26.98	Pass
	159	5795	-3.39	-1.17	6.02	0.33	5.18	26.98	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add 10 log (N_{ANT}) dB.
2. Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power density limit shall be reduced to 30 - (9.02 - 6) = 26.98dBi.
3. Refer to section 2.1 for duty cycle spectrum plot.

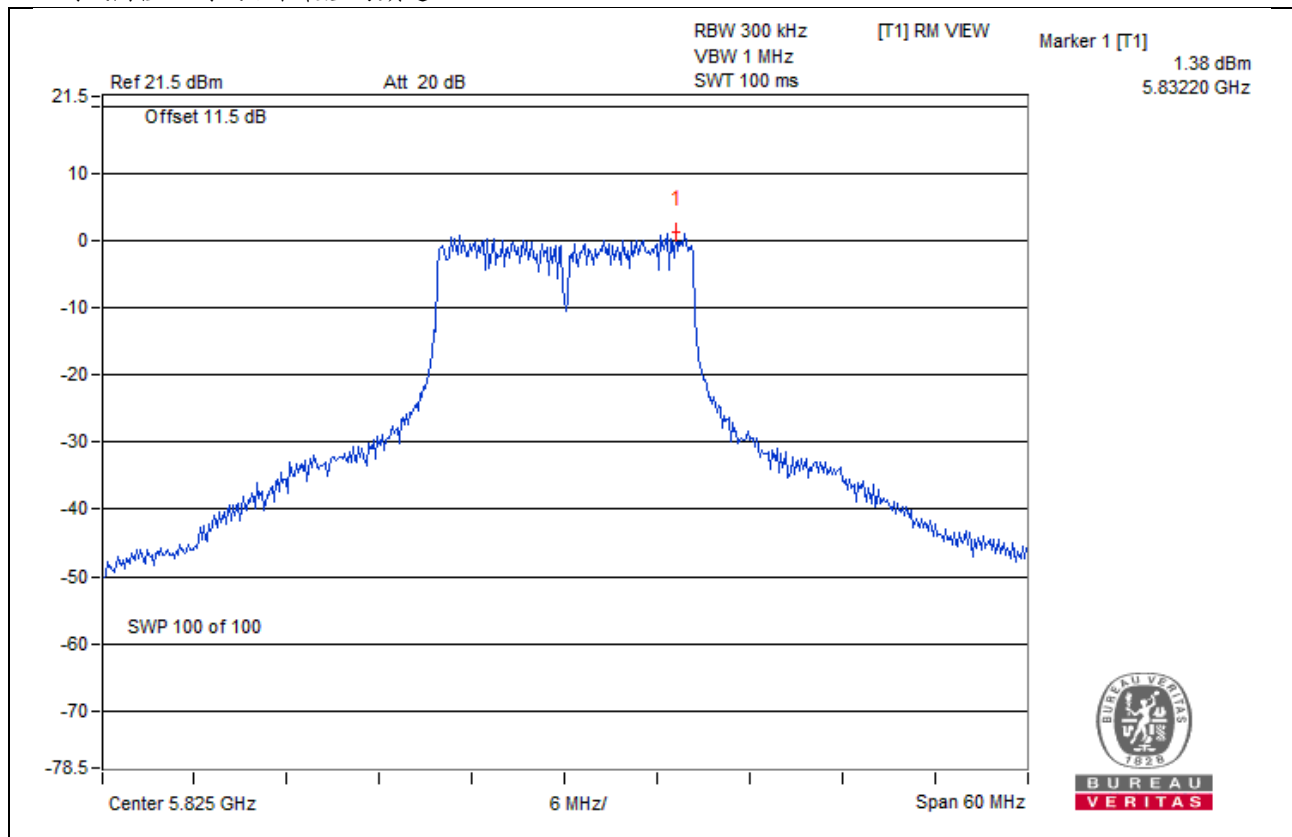
802.11ax (HE80)

TX chain	Chan.	Freq. (MHz)	PSD w/o Duty Factor		10 log (N=4) dB	Duty Factor (dB)	Total PSD with Duty Factor (dBm/500kHz)	Limit (dBm/500 kHz)	Pass / Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	138	5690 (For U-NII-3)	-11.70	-9.48	6.02	0.37	-3.09	26.98	Pass
	155	5775	-8.66	-6.44	6.02	0.37	-0.05	26.98	Pass
1	138	5690 (For U-NII-3)	-11.20	-8.98	6.02	0.37	-2.59	26.98	Pass
	155	5775	-9.36	-7.14	6.02	0.37	-0.75	26.98	Pass
2	138	5690 (For U-NII-3)	-10.80	-8.58	6.02	0.37	-2.19	26.98	Pass
	155	5775	-9.28	-7.06	6.02	0.37	-0.67	26.98	Pass
3	138	5690 (For U-NII-3)	-10.97	-8.75	6.02	0.37	-2.36	26.98	Pass
	155	5775	-8.82	-6.60	6.02	0.37	-0.21	26.98	Pass

Note:

1. Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density, Measure value and add 10 log (N_{ANT}) dB.
2. Directional gain = 3dBi + 10log(4) = 9.02dBi > 6dBi, so the power density limit shall be reduced to 30 - (9.02 - 6) = 26.98dBi.
3. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



12.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

13 6 dB 頻寬之要求

13.1 適用標準

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

13.2 量測方法

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

13.3 量測儀器

同 6.3 節。

13.4 測試配置

同 6.4 節。

13.5 量測結果

操作模式	發射	測試日期	110 年 11 月 16 日
量測場地溫度	25°C	量測場地濕度	60%RH
測試者	吳佳衡		

4TX

802.11a

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 (For U-NII-3)	3.22	3.20	3.21	3.18	0.50	Pass
149	5745	16.38	16.38	16.35	16.38	0.50	Pass
157	5785	16.36	16.40	16.36	16.38	0.50	Pass
165	5825	16.40	16.41	16.41	16.40	0.50	Pass

For CH144 (U-NII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

802.11ax (HE20)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
144	5720 (For U-NII-3)	4.57	4.58	4.56	4.56	0.50	Pass
149	5745	19.12	19.14	19.14	19.13	0.50	Pass
157	5785	19.12	19.11	19.10	19.13	0.50	Pass
165	5825	19.17	19.19	19.14	19.15	0.50	Pass

For CH144 (U-NII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

802.11ax (HE40)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
142	5710 (For U-NII-3)	4.13	4.13	4.12	4.15	0.50	Pass
151	5755	38.27	38.23	38.20	38.26	0.50	Pass
159	5795	38.29	38.23	38.13	38.24	0.50	Pass

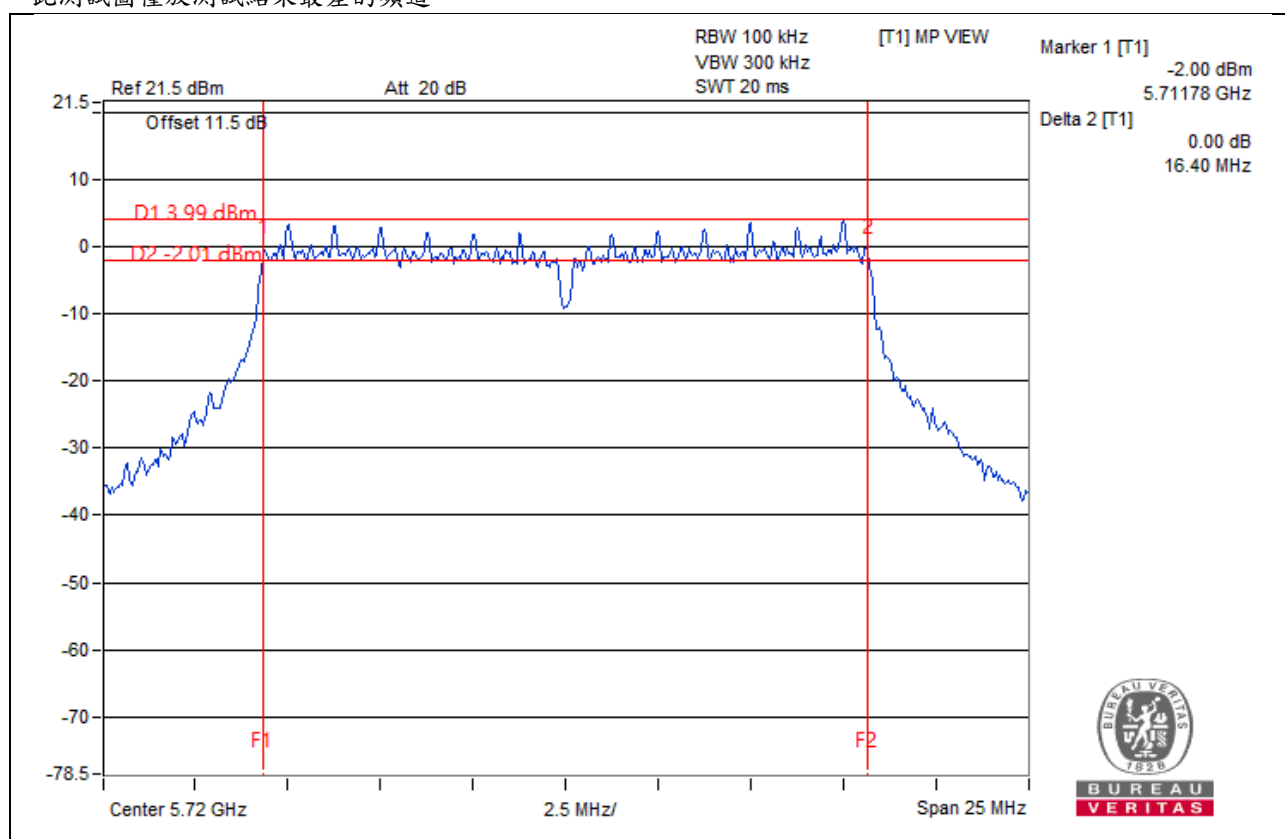
For CH142 (U-NII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

802.11ax (HE80)

Chan.	Freq. (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
138	5690 (For U-NII-3)	4.25	4.23	4.20	4.24	0.50	Pass
155	5775	78.30	78.07	78.29	77.91	0.50	Pass

For CH138 (U-NII-3 Band): The 6dB bandwidth above 5725MHz = Marker 1 + Delta 2 - 5725MHz

**此測試圖僅放測試結果最差的頻道。



13.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

14 電波暴露量之評估

14.1 適用標準

請見本報告3.1節第12項的規定。

14.2 評估方法

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

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

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

14.3 評估結果

Frequency Band (MHz)	Max AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
CDD Mode					
2412-2462	29.36	2.00	21	0.247	1.00
5180-5240	29.97	3.00	21	0.358	1.00
5260-5320	23.86	3.00	21	0.088	1.00
5500-5720	23.94	3.00	21	0.089	1.00
5745-5825	29.75	3.00	21	0.340	1.00
Beamforming Mode					
2412-2462	25.30	5.01	21	0.194	1.00
5180-5240	25.65	6.01	21	0.264	1.00
5260-5320	20.85	6.01	21	0.088	1.00
5500-5720	17.92	9.02	21	0.089	1.00
5745-5825	23.73	9.02	21	0.340	1.00

Note:

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

2412-2462MHz: Directional gain = 2dBi + 10log(2) = 5.01dBi

5180-5240MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi

5260-5320MHz: Directional gain = 3dBi + 10log(2) = 6.01dBi

5500-5720MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi

5745-5825MHz: Directional gain = 3dBi + 10log(4) = 9.02dBi

Conclusion:

The formula of calculated the MPE is:

CPD1 / LPD1 + CPD2 / LPD2 + ...etc. < 1

CPD = Calculation power density

LPD = Limit of power density

2412-2462MHz Band + 5180-5240MHz or 5260-5320MHz Band + 5500-5720MHz or 5745-5825MHz Band =
 $0.247 / 1 + 0.358 / 1 + 0.340 / 1 = 0.945 < 1$

15 檢測實驗室基本資料

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

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：

Tel: 886-2-26052180

Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：

Tel: 886-3-6668565

Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

您也可以在我们的網站內找到各實驗室的地圖。

---END---