

低功率射頻器材技術規範測試報告

報告編號	RTBHKO-WTW-P21090237
申請者	Neatframe Limited
產品名稱	Neat Bar Pro
型號	NF-D1
製造廠商	Neatframe Limited
商標或廠牌	neat.
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	符合

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 11 月 29 日

報告簽署人簽章:

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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.....	16
2.3 測試架構圖	17
3 適用規範.....	18
3.1 規範要求和參考	18
3.2 限制使用之頻帶	23
2.4 GHz 頻段測試紀錄結果.....	24
4 帶外發射之量測.....	24
4.1 適用標準	24
4.2 量測方法	24
4.3 量測儀器	25
4.4 測試配置	26
4.5 場強度之計算.....	27
4.6 量測結果	28
4.6.1 發射諧波	28
4.6.2 接收諧波	52
4.6.3 其它不必要之訊號.....	54
4.7 配置照片	55
4.8 帶外發射之量測(傳導)	56
4.9 量測結果判定.....	56
5 電源線傳導干擾之量測.....	64
5.1 適用標準	64
5.2 量測方法	64
5.3 量測儀器	64
5.4 測試配置	65
5.5 干擾值之計算.....	65
5.6 量測結果	66
5.7 量測結果判定.....	67
5.8 配置照片	67
6 6 dB 頻寬之要求	68
6.1 適用標準	68
6.2 量測方法	68
6.3 量測儀器	68
6.4 測試配置	68
6.5 量測結果	69
6.6 量測結果判定.....	70
7 傳導輸出功率之量測	71
7.1 適用標準	71
7.2 量測方法	71
7.3 量測儀器	71
7.4 測試配置	71
7.5 量測結果	72

7.6	量測結果判定.....	75
8	功率頻譜密度之量測	76
8.1	適用標準	76
8.2	量測方法	76
8.3	量測儀器	76
8.4	測試配置	76
8.5	量測結果	77
8.6	量測結果判定	79
	U-NII 頻段測試紀錄結果.....	80
9	帶外發射之量測.....	80
9.1	適用標準	80
9.2	量測方法	80
9.3	量測儀器	80
9.4	帶外發射之測試配置	80
9.5	場強度之計算.....	81
9.6	量測結果	82
9.6.1	發射諧波	82
9.6.2	接收諧波	162
9.6.3	其它不必要之訊號.....	164
9.7	輻射量測之配置照片	165
9.7.1	帶外發射之量測 (For 5.725 GHz~5.850 GHz band)	166
9.8	量測結果判定	168
10	電源線傳導干擾之量測.....	169
10.1	適用標準	169
10.2	量測方法	169
10.3	量測儀器	169
10.4	測試配置	169
10.5	干擾值之計算	169
10.6	量測結果	170
10.7	量測結果判定	171
10.8	配置照片	171
11	傳導輸出功率量測及發射頻寬之要求	172
11.1	適用標準	172
11.2	量測方法	172
11.3	量測儀器	172
11.4	測試配置	172
11.5	量測結果	173
11.6	量測結果判定	181
12	功率頻譜密度之量測	182
12.1	適用標準	182
12.2	量測方法	182
12.3	量測功率頻譜密度之儀器	182
12.4	功率頻譜密度之測試配置	182
12.5	量測結果	183
12.6	量測結果判定	186
13	6 dB 頻寬之要求	187
13.1	適用標準	187

13.2	量測方法	187
13.3	量測儀器	187
13.4	測試配置	187
13.5	量測結果	188
13.6	量測結果判定	189
14	電波暴露量之評估	190
14.1	適用標準	190
14.2	評估方法	190
14.3	評估結果	190
附錄：動態頻率選擇		191
1.	EUT Information	191
1.1	Operating Frequency Bands and Mode of EUT	191
1.2	EUT Software and Firmware Version	191
1.3	Description Of Available Antennas to The EUT	191
1.4	EUT Maximum Conducted Power	192
1.5	EUT Maximum E.I.R.P. Power	193
1.6	Transmit Power Control (TPC)	194
1.7	Statement of Manufacturer	194
2.	U-NII DFS Rule Requirements	195
2.1	Working Modes and Required Test Items	195
2.2	Test Limits And Radar Signal Parameters	196
3.	Test & Support Equipment List	199
3.1	Test Instruments	199
3.2	Description of Support Units	199
4.	Test Procedure	200
4.1	DFS Measurement System	200
4.2	Calibration of DFS Detection Threshold Level	201
4.3	Deviation From Test Standard	201
4.4	Radiated Test Setup Configuration	202
4.4.1	Client Without Radar Detection Mode	202
5.	Test Results	203
5.1	Summary of Test Results	203
5.2	Test Results	204
5.2.1	Test Mode: Device Operating In Client Without Radar Detection Mode.	204
5.2.2	Channel Closing Transmission And Channel Move Time	205
5.2.3	Non-Occupancy Period	208
5.2.4	Non-Associated Test	209
5.2.5	Non- Co-Channel Test	209
15	檢測實驗室基本資料	210

報告發行紀錄

Issue No.	Description	Date Issued
RTBHKO-WTW-P21090237	Original release.	110 年 11 月 29 日

證 明 書

發行日期：110 年 11 月 29 日

產 品 名 稱：Neat Bar Pro
商 標：neat.
型 號：NF-D1
申 請 者：Neatframe Limited
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：NF-D1)，收件日期 110 年 9 月 8 日，於 110 年 9 月 9 日至 11 月 1 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：



張嘉宴 / 高級專員

， 日 期：110 年 11 月 29 日

審 核 者：



林炳存 / 專案工程師

， 日 期：110 年 11 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: Neatframe Limited

製造廠商: Neatframe Limited

申請廠商地址: The Charter Building, Charter Place, Uxbridge, United Kingdom, UB8 1JG

廠牌: neat.

產品名稱: Neat Bar Pro

型號: NF-D1

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

量測單位地址: 新北市林口區嘉寶里 14 鄰 47-2 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	符合
2	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	符合
4	6 dB 頻寬	低功率射頻器材技術規範 4.10.1.6 節	符合
5	峰值傳導輸出功率	低功率射頻器材技術規範 4.10.1.2 節	符合
6	功率頻譜密度	低功率射頻器材技術規範 4.10.1.6 節	符合

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	符合
2	帶外發射	低功率射頻器材技術規範 5.7.4 節	符合
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	符合
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	符合

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	符合
2	帶外發射	低功率射頻器材技術規範 5.7.4 節	符合
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	符合
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	符合
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	符合

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	符合
2	帶外發射	低功率射頻器材技術規範5.7.4節	符合
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	符合
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	符合
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	符合

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	符合
2	帶外發射	低功率射頻器材技術規範5.7.4節	符合
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	符合
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	符合
5	6dB 頻寬	低功率射頻器材技術規範5.7.5節	符合

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	符合

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：	Neat Bar Pro	
型號：	NF-D1	
額定電源：	AC I/P: 100-240V, 50/60Hz, 1.2A	
定頻工程軟體：	qdart_verify.win.4.8_installer_00075.204-23-20_02_42_35	
調變方式：	CCK, DQPSK, DBPSK for DSSS 256QAM, 64QAM, 16QAM, QPSK, BPSK for OFDM 1024QAM for OFDMA	
調變技術：	DSSS, OFDM, OFDMA	
傳輸速率：	2.4GHz	802.11b:1 up to 11Mbps 802.11g: up to 54Mbps 802.11n (HT20/HT40): up to 300Mbps VHT20/VHT40: up to 400Mbps 802.11ax: up to 573.5Mbps
	5.0GHz	802.11a: up to 54Mbps 802.11n up to 300Mbps 802.11ac: up to 866.7Mbps 802.11ax: up to 1201Mbps
載波頻率：	2.4GHz	2412 ~ 2462MHz
	5.0GHz	5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz, 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 5500~5700MHz : 802.11a, 802.11n (HT20), 802.11ac (VHT20), 802.11ax (HE20): 11 802.11n (HT40), 802.11ac (VHT40), 802.11ax (HE40): 5 802.11ac (VHT80), 802.11ax (HE80): 2 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 (電場強度)：	2.4GHz	24.82dBm
	5.0GHz	5180~5240MHz : 18.60dBm 5260~5320MHz : 18.57dBm 5500~5700MHz : 18.64dBm 5745~5825MHz : 18.92dBm
天線種類：	見註	
電源/ 信號線類別：	Shielded HDMI cable (2.0m)<蘇州力安捷連接技術有限公司/LYNEA-HDM201> Shielded LAN cable (3.0m)<蘇州力安捷連接技術有限公司/LRJ-8P8C-3000> Non-shielded AC 2-Pin cable (3.0m) <蘇州力安捷連接技術有限公司/LPC-ULC7-3000 & LPC-TWC7-3000> (型號差異僅為銷售區分)	
配件：	Neat pad <Brand: neat., Model: A1C or A1> (型號差異僅為銷售區分)	

註 1: 此待測設備搭配測試的天線，其資料如下：

Ant. No.	Brand	Model	Gain (dBi)		Antenna Type	Connector Type
			2.4GHz	5GHz		
1	INPAQ	RFPCA310735IMLB401	3.64	4.27	PCB	ipex
2	INPAQ	RFPCA401145IMLB401	3.01	3.69	PCB	ipex

Note: 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 2: 此待測物之技術的種類為2Tx /2Rx之組合。

Modulation Mode	Tx Function	Rx Function
802.11b	2TX	2RX
802.11g	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
VHT20	2TX	2RX
VHT40	2TX	2RX
802.11a	2TX	2RX
802.11n (HT20)	2TX	2RX
802.11n (HT40)	2TX	2RX
802.11ac (VHT20)	2TX	2RX
802.11ac (VHT40)	2TX	2RX
802.11ac (VHT80)	2TX	2RX
802.11ax (HE20)	2TX	2RX
802.11ax (HE40)	2TX	2RX
802.11ax (HE80)	2TX	2RX

* The modulation and bandwidth are similar for 802.11n mode for HT20/HT40 and 802.11n 256QAM for VHT20/VHT40 and 802.11ac mode for VHT20/VHT40 and 802.11ax mode for HE20/HE40, therefore investigated worst case to representative mode in test report. (最終測試模式請見註 3)

註 3: 此報告中，經過評估後以下列測試模式並同時搭配HDMI正常使用模式進行最終量測。

量測項目		頻道
2412 ~ 2462MHz		
場強輻射量測 - 1GHz 以上量測	發射	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
	接收	802.11g: Ch 11
場強輻射量測 - 其它不必要之訊號	發射/接收	802.11g: Ch 11
電源線傳導干擾量測	發射/接收	802.11g: Ch 11
5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~ 5700MHz & 5745 ~ 5825MHz		
場強輻射量測 - 1GHz 以上量測	發射	802.11a: Ch 36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 149, 157, 165 802.11ax (HE20): Ch 36, 40, 48, 52, 60, 64, 100, 116, 132, 140, 149, 157, 165 802.11ax (HE40): Ch 38, 46, 54, 62, 102, 110, 134, 151, 159 802.11ax (HE80): Ch 42, 58, 106, 122, 155
	接收	802.11a: Ch 157
場強輻射量測 - 其它不必要之訊號	發射/接收	802.11a: Ch 157
電源線傳導干擾量測	發射/接收	802.11a: Ch 157

註 4: 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 5: 待測設備於測試時使用以下配件。

*本案器材申請者切結提供隨貨配件與非隨貨配件，測試架構以申請者提供與實驗室提供的配件併同檢測。非隨貨配件之照片請參閱附件。(BV CPS 報告編號: BHKO-WTW-P21090237_SU)

非隨貨配件				
配件	廠牌	型號	規格	備註
USB Type C cable	TCW	UC2100	Shielded 1.7m	申請者提供
HDMI cable	CHANGJIANG	20276	Shielded 1.5m	申請者提供
LAN cable	ktnet	10m	Non-shielded 10m	實驗室提供
LAN cable	ktnet	1m	Non-shielded 1m	實驗室提供

註 6: 功率設定值詳列如下:

802.11b		802.11g		802.11n (HT20) / VHT20 / 802.11ax (HE20)		802.11n (HT40) / VHT40 / 802.11ax (HE40)	
Channel	Power setting	Channel	Power setting	Channel	Power setting	Channel	Power setting
1	18	1	15	1	14	3	14
6	18	6	15	6	14	6	14
11	18	11	15	11	14	9	14

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)	
Channel	Power setting	Channel	Power setting	Channel	Power setting	Channel	Power setting
CH 36	17.5	CH 36	17	CH 38	17	CH 42	17
CH 40	17.5	CH 40	17	CH 46	17	CH 58	17
CH 48	17.5	CH 48	17	CH 54	17	CH 106	17
CH 52	17.5	CH 52	17	CH 62	17	CH 122	17
CH 60	17.5	CH 60	17	CH 102	17	CH 155	17
CH 64	17.5	CH 64	17	CH 110	17		
CH 100	17.5	CH 100	17	CH 134	17		
CH 116	17.5	CH 116	17	CH 151	17		
CH 132	17.5	CH 132	17	CH 159	17		
CH 140	17.5	CH 140	17				
CH 149	17.5	CH 149	17				
CH 157	17.5	CH 157	17				
CH 165	17.5	CH 165	17				

註 7: 待測設備不支援同時發射。

註 8: Duty cycle of test signal.

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

If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

2.4GHz 頻段

802.11b: Duty cycle = 100%

802.11g: Duty cycle = $0.396/0.612 = 0.647$, Duty factor = $10 * \log(1/0.647) = 1.89$

802.11ax (HE20): Duty cycle = 100%

802.11ax (HE40): Duty cycle = 100%



5GHz 频段

802.11a: Duty cycle = $1.986/1.995 = 0.995$

802.11ax (HE20): Duty cycle = 100%

802.11ax (HE40): Duty cycle = 100%

802.11ax (HE80): Duty cycle = 100%



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 頻段:

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

頻道	對應頻率 (MHz)	頻道	對應頻率 (MHz)
36	5180 MHz	116	5580 MHz
40	5200 MHz	120	5600MHz
44	5220 MHz	124	5620MHz
48	5240 MHz	128	5640MHz
52	5260 MHz	132	5660 MHz
56	5280 MHz	136	5680 MHz
60	5300 MHz	140	5700 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

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

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

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

詳細之規格請參考使用說明書，產品的照片請參照 BV 報告編號: BHKO-WTW-P21090237。

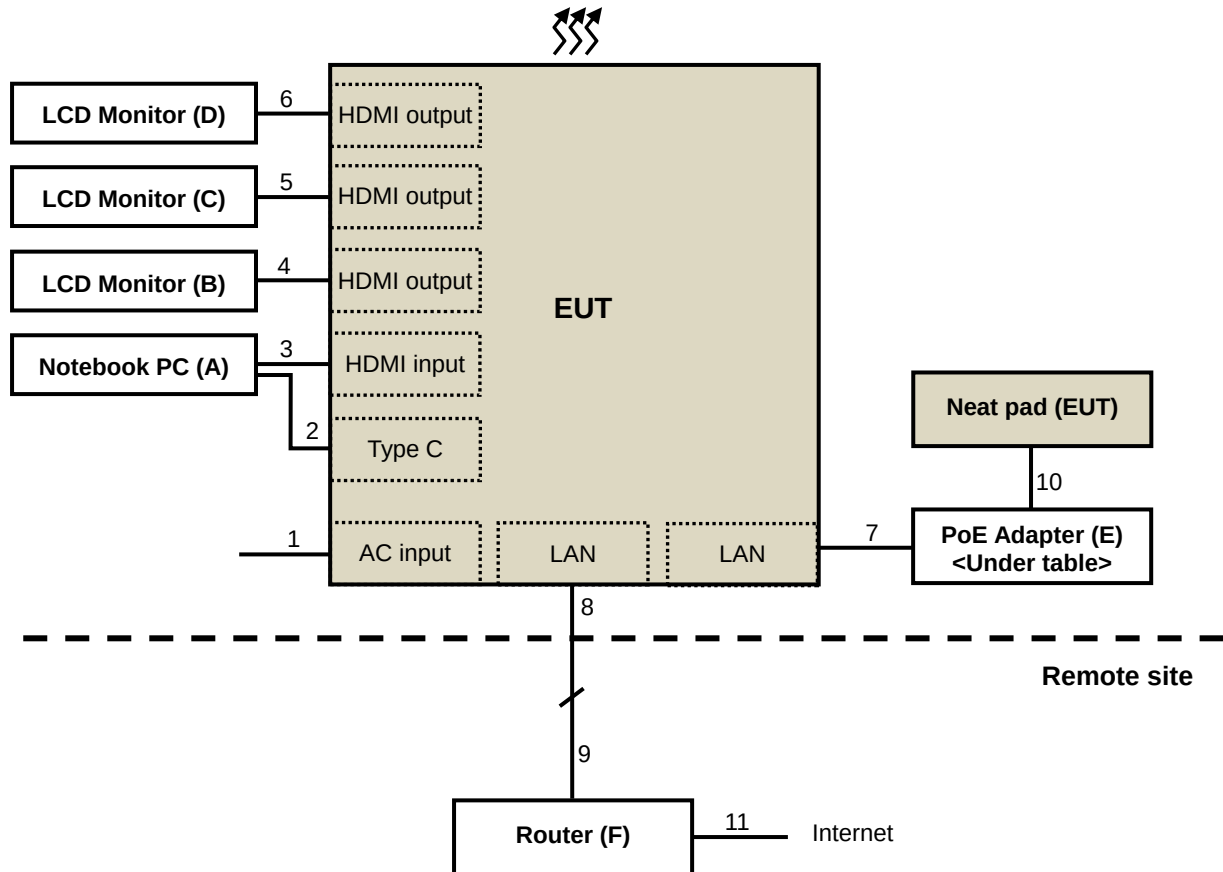
2.2 輔助測試之週邊設備描述

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 PC	DELL	Latitude 5401	7FJL3X2	N/A	Provided by Lab
B.	LCD Monitor	ASUS	VG289	N/A	N/A	Supplied by applicant
C.	LCD Monitor	ASUS	VG289	N/A	N/A	Supplied by applicant
D.	LCD Monitor	ASUS	VG289	N/A	N/A	Supplied by applicant
E.	POE Adapter	PHIHONG	POE16R-1AFG	N/A	N/A	Supplied by applicant
F.	Router	TOTO Link	N300RB	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/ No)	Cores (Qty.)	Remarks
1.	AC cable	1	3	N	0	Supplied by applicant <蘇州力安捷連接技術有限公司 /LPC-ULC7-3000>
2.	USB Type C cable	1	1.7	Y	0	Supplied by applicant <TCW/ UC2100>
3.	HDMI cable	1	2	Y	0	Supplied by applicant 蘇州力安捷連接技術有限公司 /LYNEA-HDM201
4.	HDMI cable	1	1.5	Y	0	Supplied by applicant <CHANGJIANG/20276>
5.	HDMI cable	1	1.5	Y	0	Supplied by applicant <CHANGJIANG/20276>
6.	HDMI cable	1	1.5	Y	0	Supplied by applicant <CHANGJIANG/20276>
7.	LAN cable	1	3	Y	0	Supplied by applicant <蘇州力安捷連接技術有限公司 /LRJ-8P8C-3000>
8.	LAN cable	1	3	Y	0	Supplied by applicant <蘇州力安捷連接技術有限公司 /LRJ-8P8C-3000>
9.	LAN cable	1	10	Y	0	Provided by Lab (RJ45, Cat.5e) <ktnet/10m>
10.	LAN cable	1	1	N	0	Provided by Lab (RJ45, Cat.5e) <ktnet/1m>
11.	LAN cable	1	1	N	0	Provided by Lab (RJ45, Cat.5e) <ktnet/1m>

2.3 測試架構圖



3 適用規範

3.1 規範要求和參考

(1) 傳導之規定

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

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

(註)：隨頻率之對數遞減。

(2) 帶外發射之規定

(I) 操作於 2.4000~2.4835 GHz band:

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

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

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

(III) 操作於 5.725 GHz~5.850 GHz 頻段:

依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.4.2 節之要求，所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP)≤27 dBm/MHz~15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz~25 MHz，有效等向輻射功率 35(EIRP)≤15.6 dBm/MHz~10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz~75 MHz，有效等向輻射功率(EIRP)≤10 dBm/MHz~-27 dBm/MHz(以線性法計算對應之限制值)；所有頻帶邊緣外≥75 MHz 的頻率之發射，有效等向輻射功率 (EIRP)≤-27 dBm/MHz；有關遮罩限制值詳圖 1。

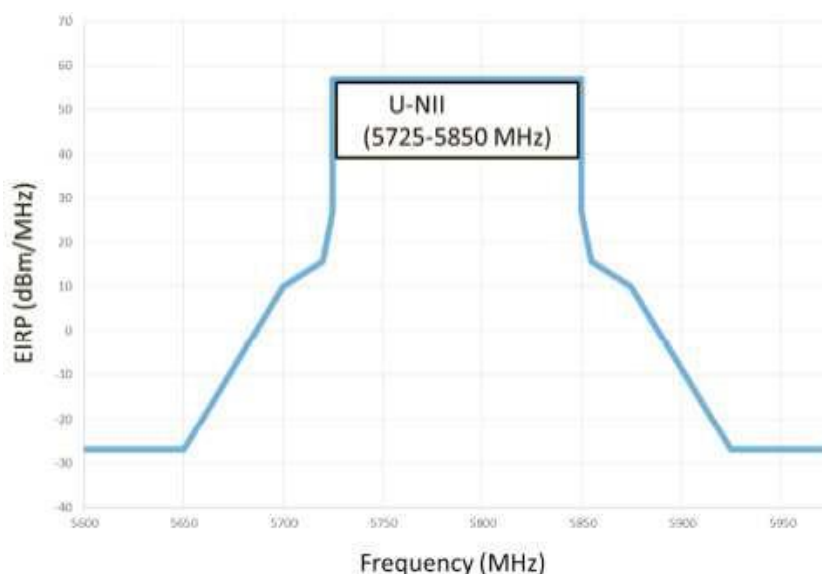


圖 1

在 1 GHz 以下不必要之發射，應符合 3.6 之規定。此外，落於 3.5 禁用頻段之輻射發射，應符合 3.6 之規定。

頻率(MHz)	電場強度(微伏特/公尺, uV/m)	測距(公尺)
$0.009 \leq f \leq 0.490$	$2,400/f(\text{kHz})$	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者手動選取。

(2) 操作模式：動態頻率選擇之規定適用於以下之操作模式：

(A) 頻道可用性檢查時間之規定，適用於主控運作模式。

(B) 頻道移動時間之規定，適用於主控及受控運作模式。

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

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

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

(9)無線資訊傳輸設備必須擁有安全功能之要求：

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.7.3節之規定，無線資訊傳輸設備必須擁有安全功能，以保護未經授權之一方更改軟體。製造商應提出符合本節規定之相關證明文件或符合性聲明。

(10) 依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.7.4 節之規定，製造商必須在操作於 U-NII 頻段上之數位調變系統中提供安全功能，使第三方團體無法重寫程式，使其操作於非經認證之設定。該軟體必須避免發射機操作於非經認證之頻率、輸出功率、調變形式或其他射頻參數。製造商可使用私有網路，只有經授權的用戶能下載軟體、進行軟體式電子簽章或硬體式的韌體更新，新的軟體可以被合法的載入到設備中，同時又能符合上述事項，並於應用程式中描述設備授權的方法。

(11) 依據國家通訊傳播委員會低功率射頻器材技術規範 5.7.7.5 節之規定，製造商必須確保 DFS 功能無法被無線資訊傳輸設備之操作者取消。

(12)電波暴露量之評估

依據國家通訊傳播委員會低功率射頻器材技術規範 6.20.2 節之規定，若受測物於正常操作模式下，其發射機距離人體 20 公分以上者，可測試最大暴露允許值(Maximum Permissible Exposure, MPE)以證明其符合電波暴露量之要求。

限制值如下：

(1) 職業性/可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：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：MHz。

參考國際標準指南

KDB 558074
KDB 789033
KDB 662911

3.2 限制使用之頻帶

除本規範另有規定外，任何低功率射頻器材之主波皆不得使用下表所列各頻段之頻率；低功率射頻器材落於下表所列頻段之混附發射，其電場強度必須符合 3.6 之限制規定。

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

2.4 GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告 3.1 節第 2 項(I)的規定。

4.2 量測方法

量測頻率 9kHz ~ 30MHz :

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米外離地1米的高度。測試桌面要360度旋轉，另外接收天線也要分別設置為Parallel軸性(Loop antenna面向EUT)與Perpendicular軸性(Loop antenna與EUT垂直)與Ground-parallel軸性(Loop antenna面向地板) 作量測，以找出最大的輻射電場強度。

量測頻率 30MHz 以上:

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

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

4.3 量測儀器

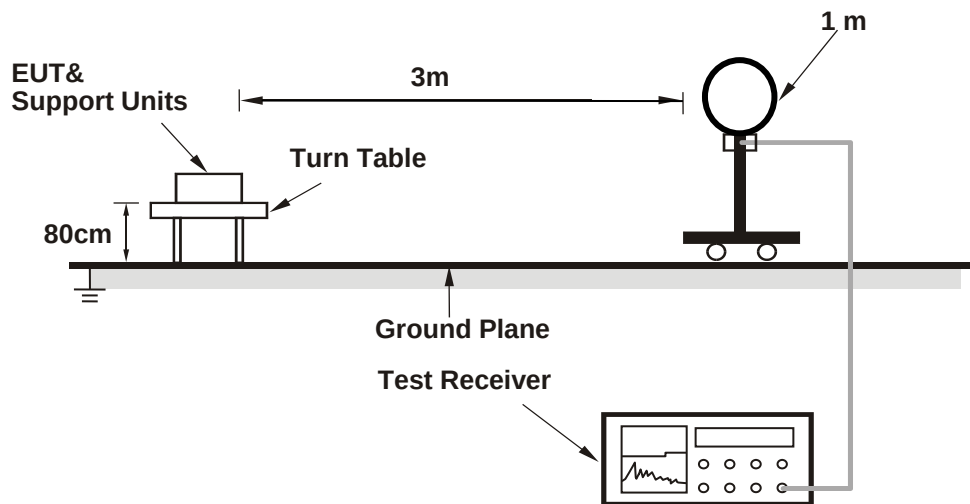
Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
Test Receiver Agilent	N9038A	MY51210129	2021/3/12	2022/3/11
Software BVADT	ADT_Radiated_V8.7.08	NA	NA	NA
Software BVADT	ADT_RF Test Software V6.6.5.4	NA	NA	NA
Auto Control System(Antenna Tower, Table, Controller) ADT	SC100+AT100+TT100	0306	NA	NA
Pre_Amplifier EMCI	EMC001340	980269	2021/6/29	2022/6/28
LOOP ANTENNA EMCI	LPA600	270	2021/9/2	2023/9/1
RF Coaxial Cable Pacific	8D-FB	Cable-CH6-02	2021/7/13	2022/7/12
Pre_Amplifier HP	8447D	2432A03504	2021/2/18	2022/2/17
Bi-log Broadband Antenna Schwarzbeck	VULB9168	139	2020/11/6	2021/11/5
Attenuator Mini-Circuits	UNAT-5+	PAD-CH6-01	2021/7/13	2022/7/12
RF Coaxial Cable Pacific	8D-FB	Cable-CH6-02	2021/7/13	2022/7/12
Antenna(Horn) EMCO	3115	00028257	2020/11/22	2021/11/21
Test Receiver Agilent	N9038A	MY51210129	2021/3/12	2022/3/11
Pre-amplifier HP	8449B	3008A01201	2021/2/19	2022/2/18
RF Coaxial Cable NEAT BAR PROER SUHNER	SF-102	Cable-CH6-01	2021/7/8	2022/7/7
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	2021/5/28	2022/5/27
Fix tool for Boresight	BAF-01	5	NA	NA
Pre_Amplifier MITEQ	AMF-6F-260400-33-8P	892164	2021/2/19	2022/2/18
Antenna(Horn) Schwarzbeck	BBHA-9170	BBHA9170190	2020/11/22	2021/11/21
Spectrum Analyzer R&S	FSV40	101544	2021/5/24	2022/5/23
RF Coaxial Cable WOKEN	WC01	Cable-CH10-03	2021/7/8	2022/7/7
RF Coaxial Cable Rosnol	K1K50-UP0279-K1K50-3000	Cable-CH10(3m)-04	2021/7/8	2022/7/7
Highpass filter SUHNER	11SH10-7000/T18000-O/OP	SN 4	2021/5/28	2022/5/27

- NOTE:** 1. The calibration interval of the above test instruments is 12/24 months. And the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in LK - 966 chamber 1.
4. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

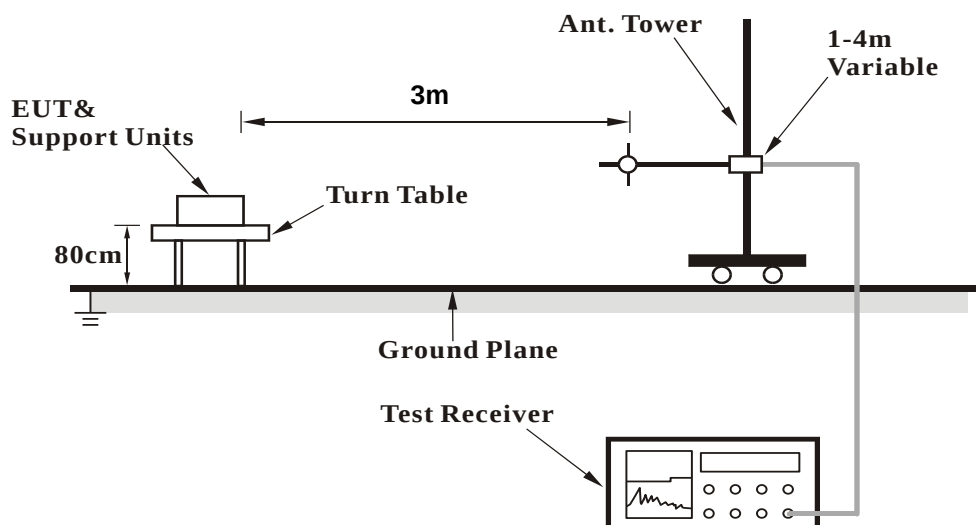
MEASUREMENT	FREQUENCY	UNCERTAINTY
Radiated emissions	9kHz ~ 30MHz	±2.38 dB
	30MHz ~ 1GHz	±5.70 dB
	Above 1GHz	±5.21 dB

4.4 測試配置

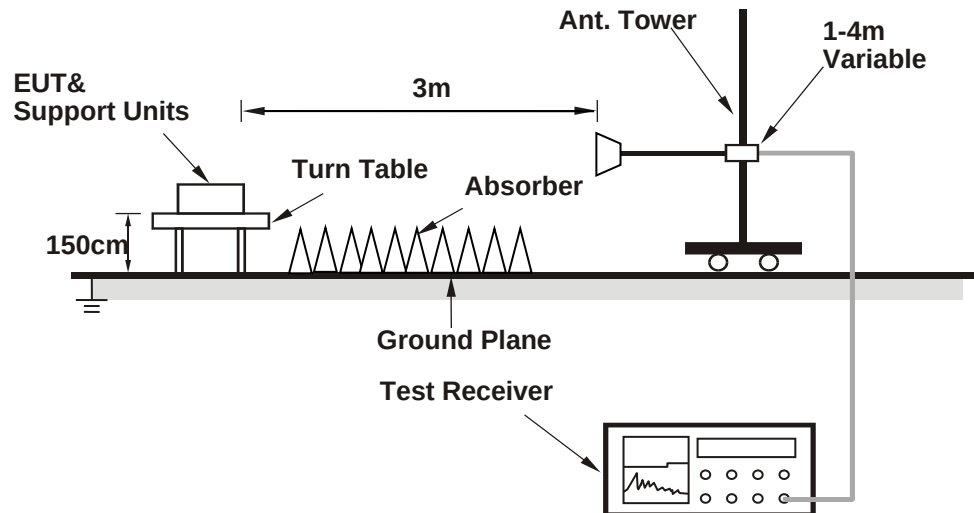
<Frequency Range 9kHz ~ 30MHz>



<Frequency Range 30MHz ~ 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

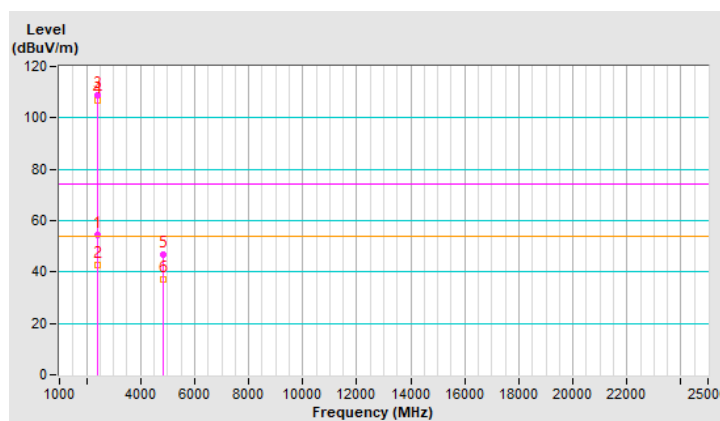
4.6.1 發射諧波

操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	54.52 PK	74.00	-19.48	2.65 H	307	56.80	-2.28
2	2390.00	42.60 AV	54.00	-11.40	2.65 H	307	44.88	-2.28
3	*2412.00	108.74 PK			2.65 H	307	110.93	-2.19
4	*2412.00	106.74 AV			2.65 H	307	108.93	-2.19
5	4824.00	46.78 PK	74.00	-27.22	1.41 H	297	41.12	5.66
6	4824.00	37.12 AV	54.00	-16.88	1.41 H	297	31.46	5.66
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

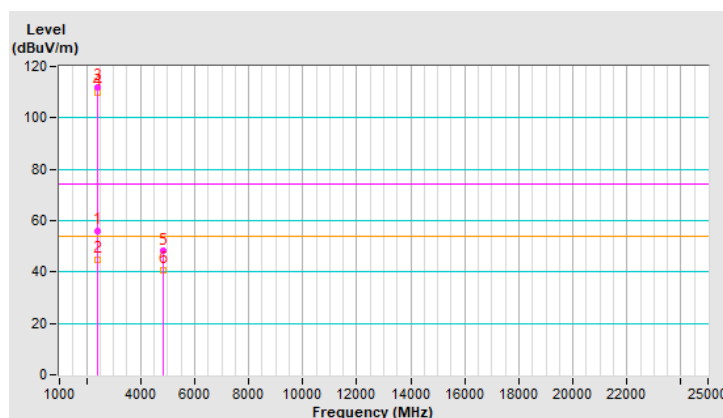


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊穎

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	55.80 PK	74.00	-18.20	2.08 V	224	58.08	-2.28
2	2390.00	44.79 AV	54.00	-9.21	2.08 V	224	47.07	-2.28
3	*2412.00	111.93 PK			2.08 V	224	114.12	-2.19
4	*2412.00	109.92 AV			2.08 V	224	112.11	-2.19
5	4824.00	48.13 PK	74.00	-25.87	1.99 V	275	42.47	5.66
6	4824.00	40.52 AV	54.00	-13.48	1.99 V	275	34.86	5.66
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

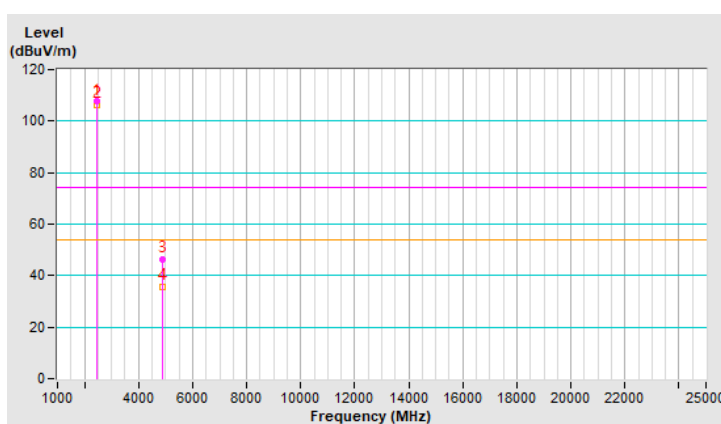


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	107.58 PK			2.63 H	308	109.73	-2.15
2	*2437.00	106.42 AV			2.63 H	308	108.57	-2.15
3	4874.00	46.25 PK	74.00	-27.75	1.38 H	302	40.56	5.69
4	4874.00	35.79 AV	54.00	-18.21	1.38 H	302	30.10	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

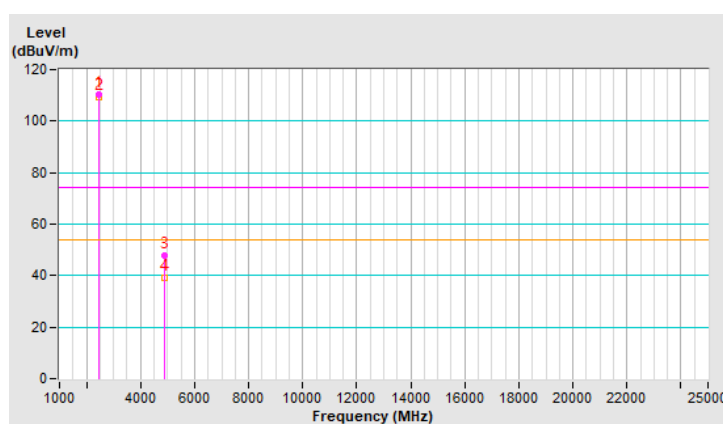


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	110.56 PK			1.86 V	288	112.71	-2.15
2	*2437.00	109.42 AV			1.86 V	288	111.57	-2.15
3	4874.00	47.90 PK	74.00	-26.10	2.13 V	269	42.21	5.69
4	4874.00	39.15 AV	54.00	-14.85	2.13 V	269	33.46	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

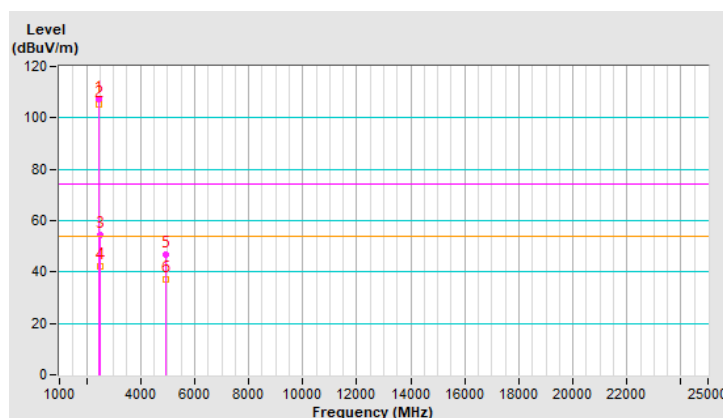


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	107.39 PK			2.40 H	309	109.45	-2.06
2	*2462.00	105.48 AV			2.40 H	309	107.54	-2.06
3	2483.50	54.27 PK	74.00	-19.73	2.40 H	309	56.21	-1.94
4	2483.50	42.32 AV	54.00	-11.68	2.40 H	309	44.26	-1.94
5	4924.00	46.73 PK	74.00	-27.27	1.36 H	295	40.96	5.77
6	4924.00	36.98 AV	54.00	-17.02	1.36 H	295	31.21	5.77
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

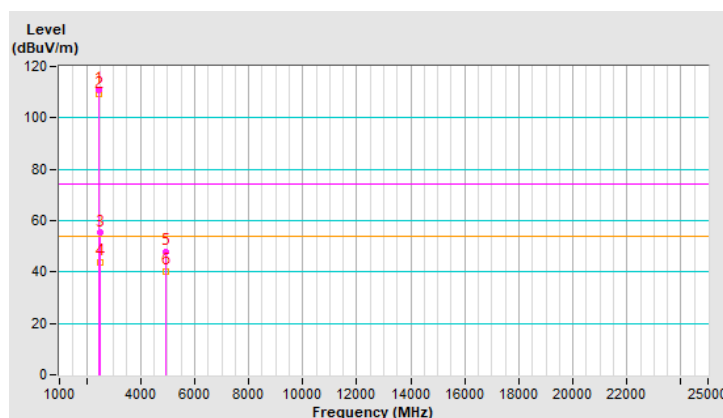


操作模式：	發射 802.11b	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	110.97 PK			1.83 V	287	113.03	-2.06
2	*2462.00	109.11 AV			1.83 V	287	111.17	-2.06
3	2483.50	55.25 PK	74.00	-18.75	1.83 V	287	57.19	-1.94
4	2483.50	43.84 AV	54.00	-10.16	1.83 V	287	45.78	-1.94
5	4924.00	47.96 PK	74.00	-26.04	2.04 V	270	42.19	5.77
6	4924.00	40.03 AV	54.00	-13.97	2.04 V	270	34.26	5.77
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

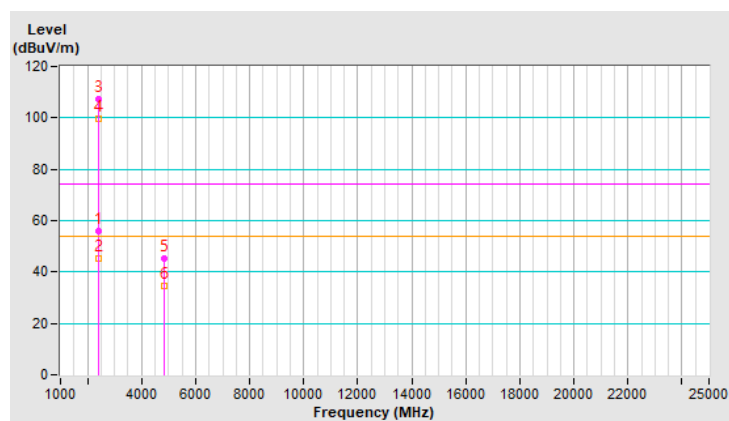


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.7kHz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	55.79 PK	74.00	-18.21	1.19 H	51	58.07	-2.28
2	2390.00	45.18 AV	54.00	-8.82	1.19 H	51	47.46	-2.28
3	*2412.00	107.51 PK			1.19 H	51	109.70	-2.19
4	*2412.00	99.72 AV			1.19 H	51	101.91	-2.19
5	4824.00	45.34 PK	74.00	-28.66	1.32 H	293	39.68	5.66
6	4824.00	34.51 AV	54.00	-19.49	1.32 H	293	28.85	5.66
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

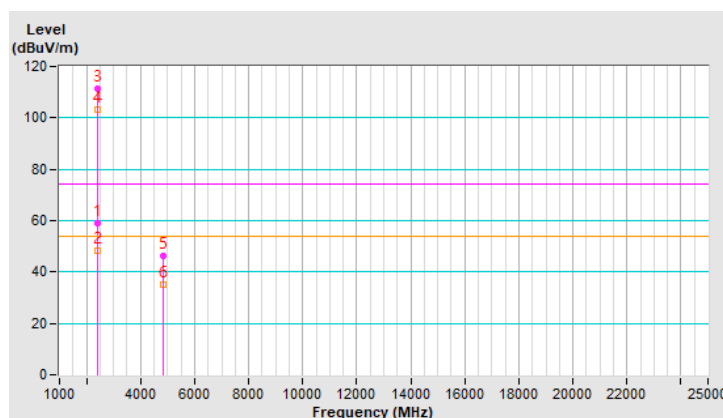


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.7kHz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	59.20 PK	74.00	-14.80	1.88 V	293	61.48	-2.28
2	2390.00	48.20 AV	54.00	-5.80	1.88 V	293	50.48	-2.28
3	*2412.00	111.38 PK			1.88 V	293	113.57	-2.19
4	*2412.00	103.32 AV			1.88 V	293	105.51	-2.19
5	4824.00	46.33 PK	74.00	-27.67	1.27 V	286	40.67	5.66
6	4824.00	34.92 AV	54.00	-19.08	1.27 V	286	29.26	5.66
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

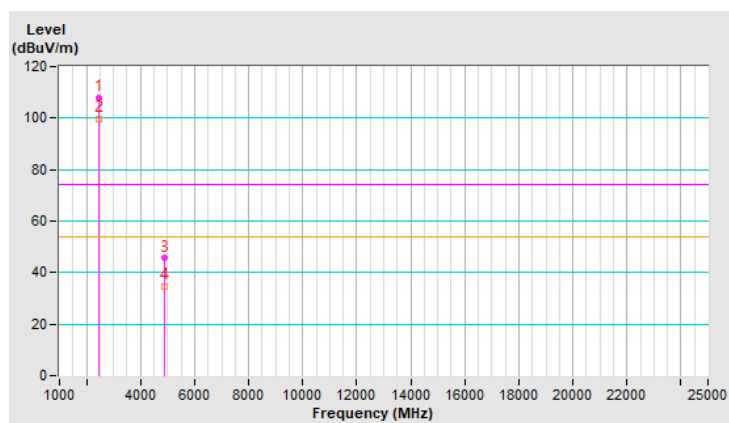


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.7kHz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	107.68 PK			3.15 H	301	109.83	-2.15
2	*2437.00	99.88 AV			3.15 H	301	102.03	-2.15
3	4874.00	45.58 PK	74.00	-28.42	1.30 H	295	39.89	5.69
4	4874.00	34.81 AV	54.00	-19.19	1.30 H	295	29.12	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

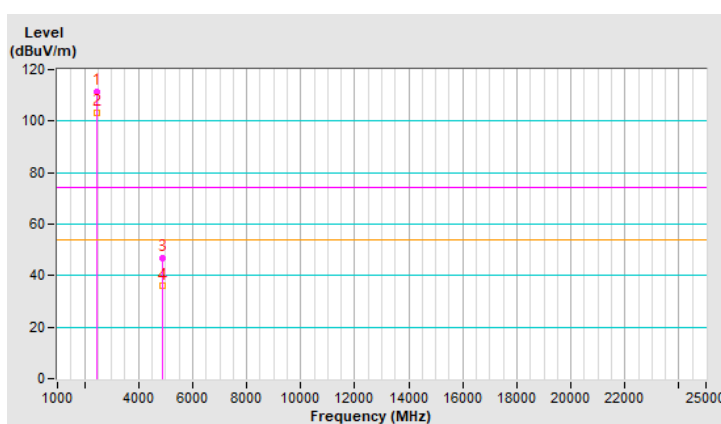


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.7kHz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	111.41 PK			1.85 V	290	113.56	-2.15
2	*2437.00	103.18 AV			1.85 V	290	105.33	-2.15
3	4874.00	46.70 PK	74.00	-27.30	1.24 V	284	41.01	5.69
4	4874.00	35.92 AV	54.00	-18.08	1.24 V	284	30.23	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

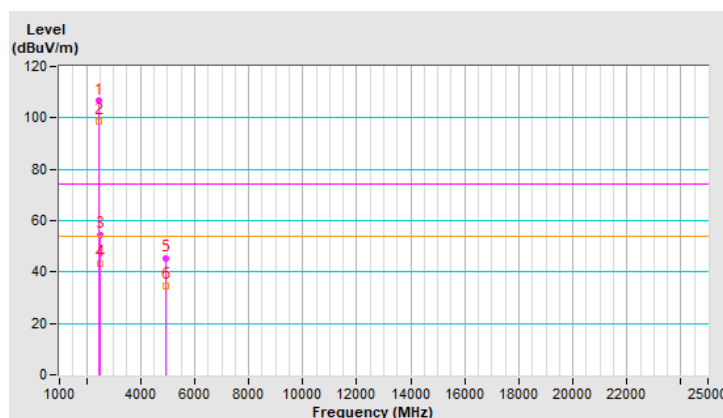


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.7kHz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	106.58 PK			1.99 H	309	108.64	-2.06
2	*2462.00	98.83 AV			1.99 H	309	100.89	-2.06
3	2483.50	54.34 PK	74.00	-19.66	1.99 H	309	56.28	-1.94
4	2483.50	43.36 AV	54.00	-10.64	1.99 H	309	45.30	-1.94
5	4924.00	45.44 PK	74.00	-28.56	1.27 H	292	39.67	5.77
6	4924.00	34.54 AV	54.00	-19.46	1.27 H	292	28.77	5.77
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

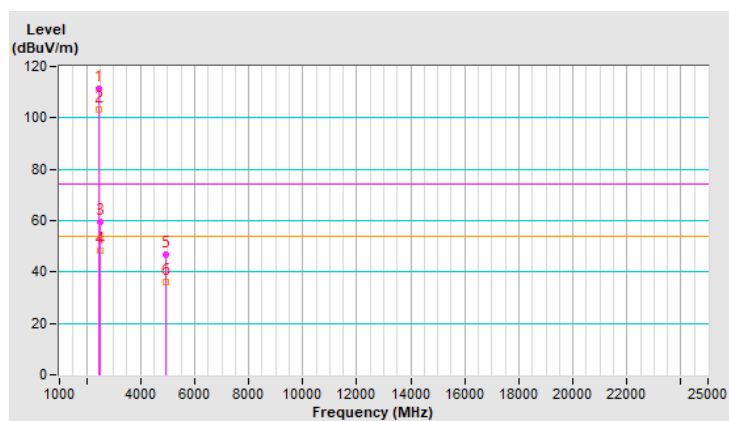


操作模式：	發射 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.7kHz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 10 日	測試者：	吳俊頤

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	111.54 PK			1.99 V	289	113.60	-2.06
2	*2462.00	103.37 AV			1.99 V	289	105.43	-2.06
3	2483.50	59.40 PK	74.00	-14.60	1.99 V	289	61.34	-1.94
4	2483.50	48.31 AV	54.00	-5.69	1.99 V	289	50.25	-1.94
5	4924.00	46.80 PK	74.00	-27.20	1.26 V	283	41.03	5.77
6	4924.00	36.35 AV	54.00	-17.65	1.26 V	283	30.58	5.77
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

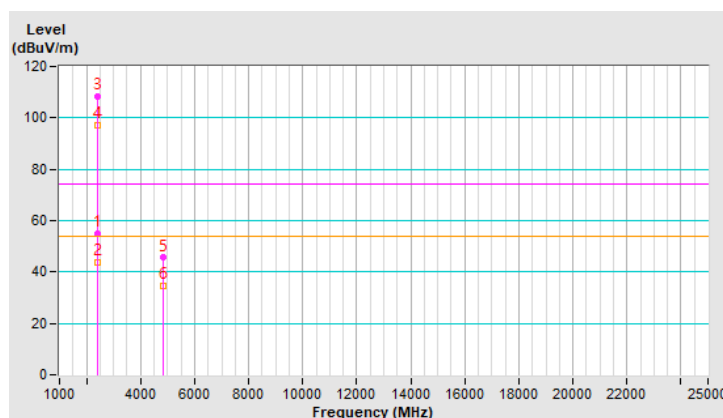


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	54.93 PK	74.00	-19.07	1.20 H	51	57.21	-2.28
2	2390.00	43.96 AV	54.00	-10.04	1.20 H	51	46.24	-2.28
3	*2412.00	108.22 PK			1.20 H	51	110.41	-2.19
4	*2412.00	97.27 AV			1.20 H	51	99.46	-2.19
5	4824.00	45.55 PK	74.00	-28.45	1.67 H	188	39.89	5.66
6	4824.00	34.61 AV	54.00	-19.39	1.67 H	188	28.95	5.66
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

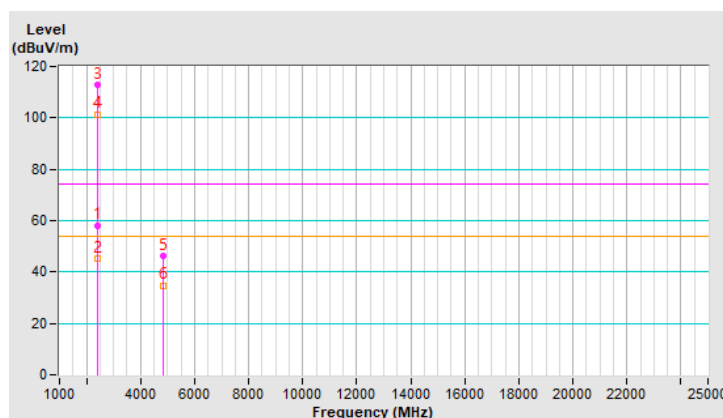


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 1：2412 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.84 PK	74.00	-16.16	1.88 V	293	60.12	-2.28
2	2390.00	45.05 AV	54.00	-8.95	1.88 V	293	47.33	-2.28
3	*2412.00	112.70 PK			1.88 V	293	114.89	-2.19
4	*2412.00	101.22 AV			1.88 V	293	103.41	-2.19
5	4824.00	46.03 PK	74.00	-27.97	1.11 V	261	40.37	5.66
6	4824.00	34.70 AV	54.00	-19.30	1.11 V	261	29.04	5.66
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

Remarks:

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

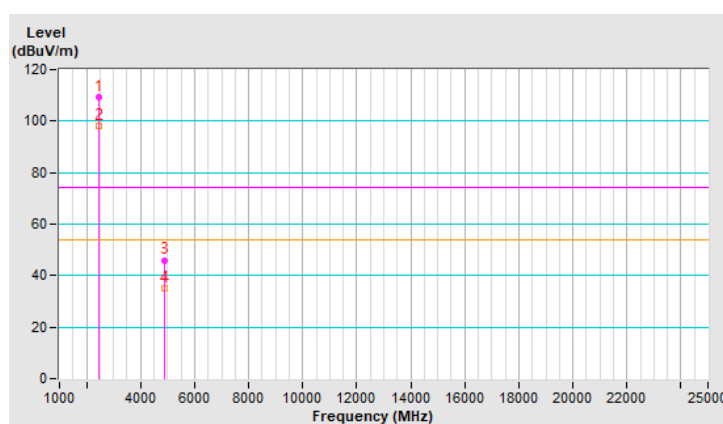


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2437.00	109.12 PK			2.65 H	304	111.27	-2.15
2	*2437.00	97.91 AV			2.65 H	304	100.06	-2.15
3	4874.00	45.95 PK	74.00	-28.05	1.63 H	184	40.26	5.69
4	4874.00	34.87 AV	54.00	-19.13	1.63 H	184	29.18	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

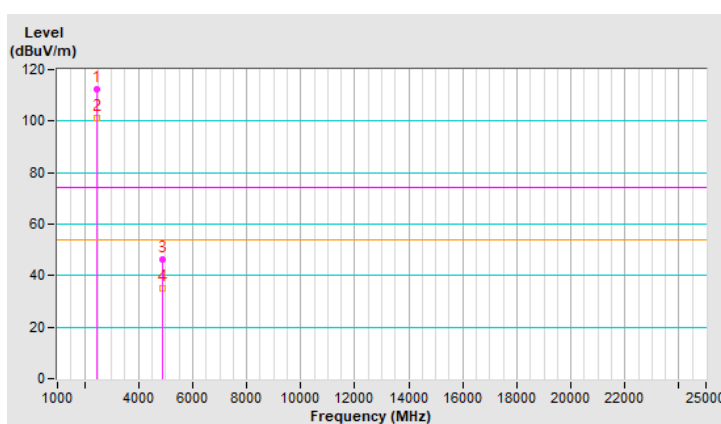


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊穎

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	112.61 PK			1.85 V	292	114.76	-2.15
2	*2437.00	101.23 AV			1.85 V	292	103.38	-2.15
3	4874.00	46.34 PK	74.00	-27.66	1.15 V	256	40.65	5.69
4	4874.00	35.17 AV	54.00	-18.83	1.15 V	256	29.48	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

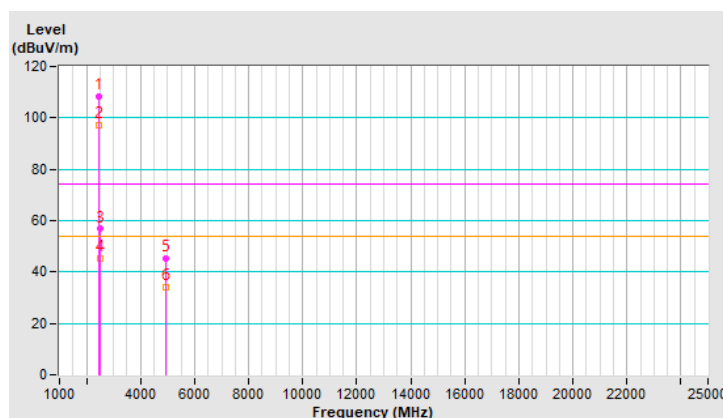


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*2462.00	108.20 PK			1.98 H	311	110.26	-2.06
2	*2462.00	96.96 AV			1.98 H	311	99.02	-2.06
3	2483.50	56.70 PK	74.00	-17.30	1.98 H	311	58.64	-1.94
4	2483.50	45.15 AV	54.00	-8.85	1.98 H	311	47.09	-1.94
5	4924.00	45.20 PK	74.00	-28.80	1.61 H	181	39.43	5.77
6	4924.00	34.08 AV	54.00	-19.92	1.61 H	181	28.31	5.77
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

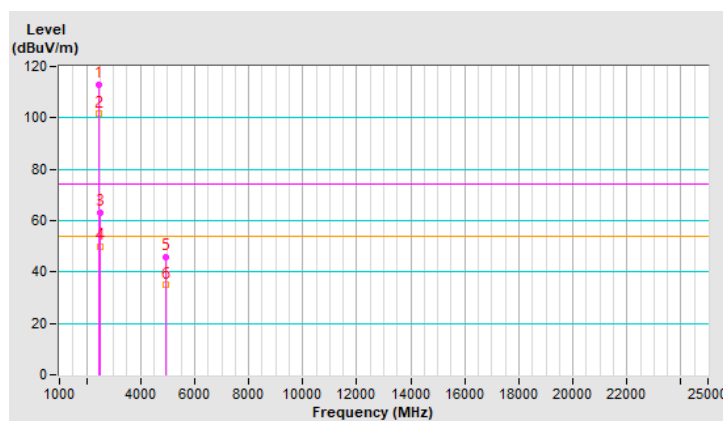


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	112.75 PK			2.01 V	290	114.81	-2.06
2	*2462.00	101.51 AV			2.01 V	290	103.57	-2.06
3	2483.50	62.95 PK	74.00	-11.05	2.01 V	290	64.89	-1.94
4	2483.50	49.86 AV	54.00	-4.14	2.01 V	290	51.80	-1.94
5	4924.00	46.00 PK	74.00	-28.00	1.21 V	263	40.23	5.77
6	4924.00	34.89 AV	54.00	-19.11	1.21 V	263	29.12	5.77
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

Remarks:

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

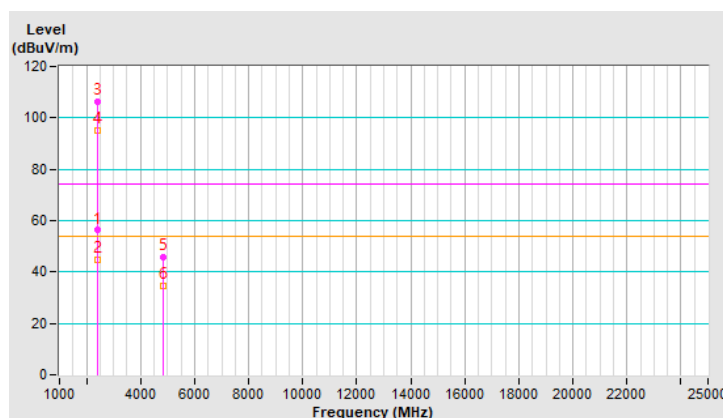


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊穎

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	56.24 PK	74.00	-17.76	1.20 H	49	58.52	-2.28
2	2390.00	44.81 AV	54.00	-9.19	1.20 H	49	47.09	-2.28
3	*2422.00	106.38 PK			1.20 H	49	108.55	-2.17
4	*2422.00	94.99 AV			1.20 H	49	97.16	-2.17
5	4844.00	45.61 PK	74.00	-28.39	1.87 H	134	39.92	5.69
6	4844.00	34.68 AV	54.00	-19.32	1.87 H	134	28.99	5.69
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#24220.00	-	-	-	-	-	-	-

Remarks:

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

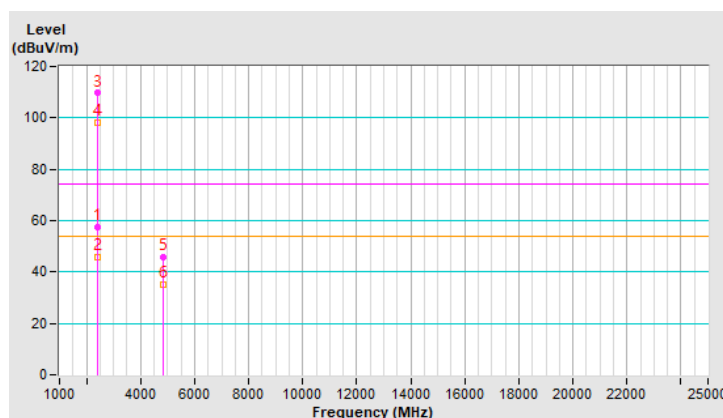


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 3：2422 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	2390.00	57.49 PK	74.00	-16.51	1.84 V	290	59.77	-2.28
2	2390.00	45.90 AV	54.00	-8.10	1.84 V	290	48.18	-2.28
3	*2422.00	109.61 PK			1.84 V	290	111.78	-2.17
4	*2422.00	98.25 AV			1.84 V	290	100.42	-2.17
5	4844.00	45.86 PK	74.00	-28.14	2.13 V	158	40.17	5.69
6	4844.00	35.07 AV	54.00	-18.93	2.13 V	158	29.38	5.69
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#24220.00	-	-	-	-	-	-	-

Remarks:

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

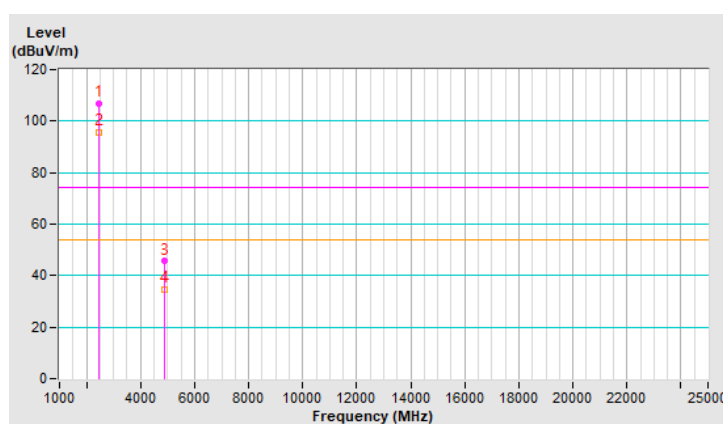


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	106.71 PK			3.22 H	300	108.86	-2.15
2	*2437.00	95.54 AV			3.22 H	300	97.69	-2.15
3	4874.00	45.54 PK	74.00	-28.46	1.82 H	149	39.85	5.69
4	4874.00	34.72 AV	54.00	-19.28	1.82 H	149	29.03	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

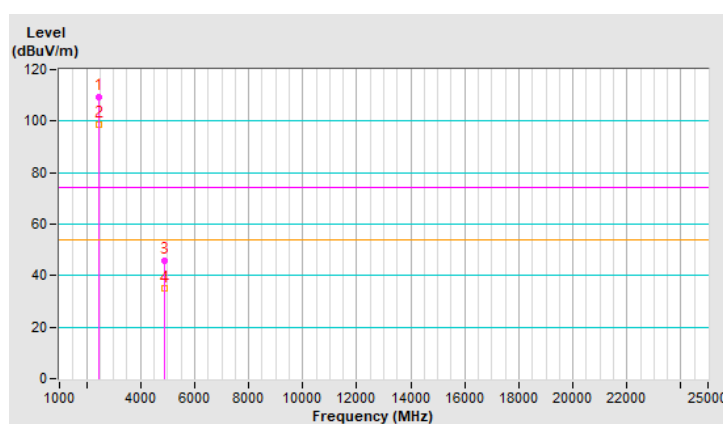


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 6：2437 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	109.51 PK			1.85 V	290	111.66	-2.15
2	*2437.00	98.74 AV			1.85 V	290	100.89	-2.15
3	4874.00	45.71 PK	74.00	-28.29	2.33 V	142	40.02	5.69
4	4874.00	34.88 AV	54.00	-19.12	2.33 V	142	29.19	5.69
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

Remarks:

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

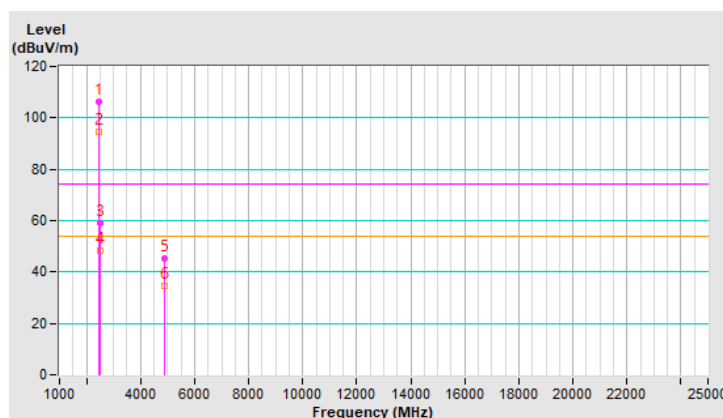


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 9 : 2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	106.28 PK			2.39 H	311	108.39	-2.11
2	*2452.00	94.65 AV			2.39 H	311	96.76	-2.11
3	2483.50	59.02 PK	74.00	-14.98	2.39 H	311	60.96	-1.94
4	2483.50	48.17 AV	54.00	-5.83	2.39 H	311	50.11	-1.94
5	4904.00	45.49 PK	74.00	-28.51	1.91 H	142	39.78	5.71
6	4904.00	34.59 AV	54.00	-19.41	1.91 H	142	28.88	5.71
7	7356.00	-	-	-	-	-	-	-
8	#9808.00	-	-	-	-	-	-	-
9	12260.00	-	-	-	-	-	-	-
10	#14712.00	-	-	-	-	-	-	-
11	#17164.00	-	-	-	-	-	-	-
12	19616.00	-	-	-	-	-	-	-
13	22068.00	-	-	-	-	-	-	-
14	#24520.00	-	-	-	-	-	-	-

Remarks:

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

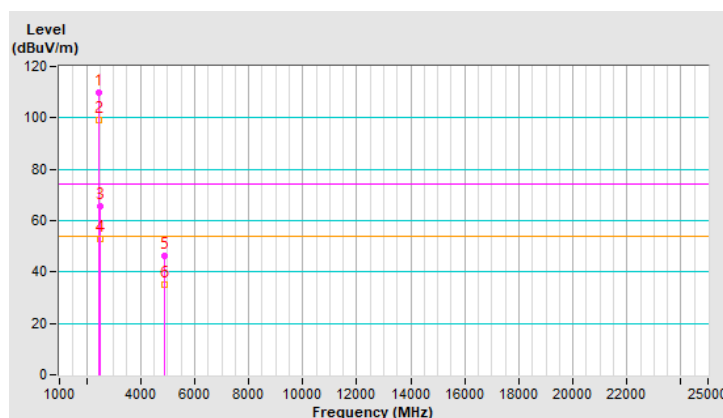


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 9：2452 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	109.78 PK			2.03 V	292	111.89	-2.11
2	*2452.00	99.07 AV			2.03 V	292	101.18	-2.11
3	2483.50	65.68 PK	74.00	-8.32	2.03 V	292	67.62	-1.94
4	2483.50	53.01 AV	54.00	-0.99	2.03 V	292	54.95	-1.94
5	4904.00	46.27 PK	74.00	-27.73	2.28 V	154	40.56	5.71
6	4904.00	35.18 AV	54.00	-18.82	2.28 V	154	29.47	5.71
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.



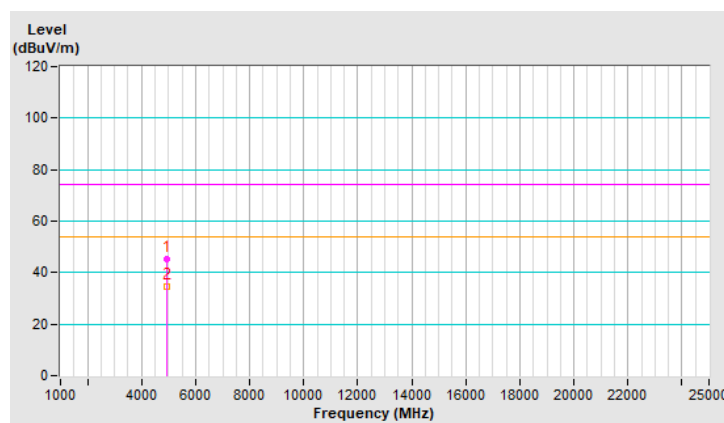
4.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz(RMS)
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	4924.00	45.38 PK	74.00	-28.62	1.51 H	196	39.61	5.77
2	4924.00	34.71 AV	54.00	-19.29	1.51 H	196	28.94	5.77

Remarks:

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

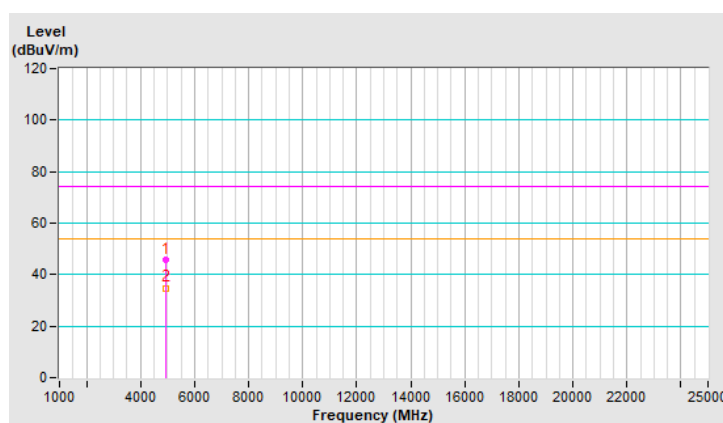


操作模式：	接收		
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz(RMS)
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 11 日	測試者：	吳俊頤

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	4924.00	45.52 PK	74.00	-28.48	1.71 V	121	39.75	5.77
2	4924.00	34.62 AV	54.00	-19.38	1.71 V	121	28.85	5.77

Remarks:

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



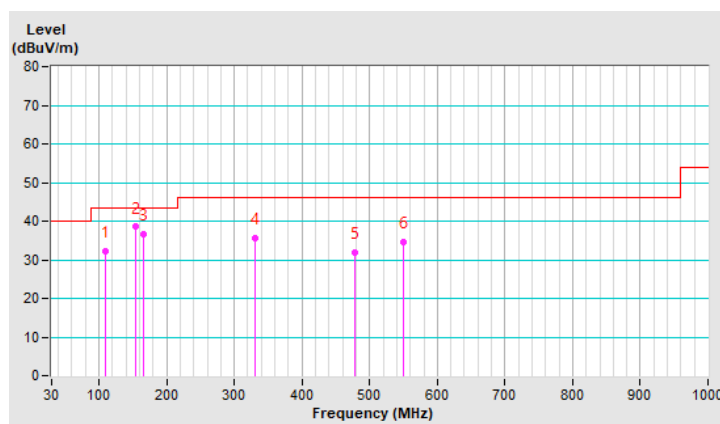
4.6.3 其它不必要之訊號

操作模式：	發射接收 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	27 °C	量測場地濕度：	62% RH
測試日期：	110 年 11 月 1 日	測試者：	張君煌

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	110.03	32.23 QP	43.50	-11.27	3.26 H	198	41.99	-9.76
2	153.97	38.50 QP	43.50	-5.00	2.25 H	344	44.66	-6.16
3	165.02	36.65 QP	43.50	-6.85	1.94 H	347	42.97	-6.32
4	329.92	35.69 QP	46.00	-10.31	1.08 H	309	38.97	-3.28
5	477.61	31.87 QP	46.00	-14.13	2.39 H	211	32.17	-0.30
6	549.92	34.72 QP	46.00	-11.28	2.28 H	152	33.90	0.82

Remarks:

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

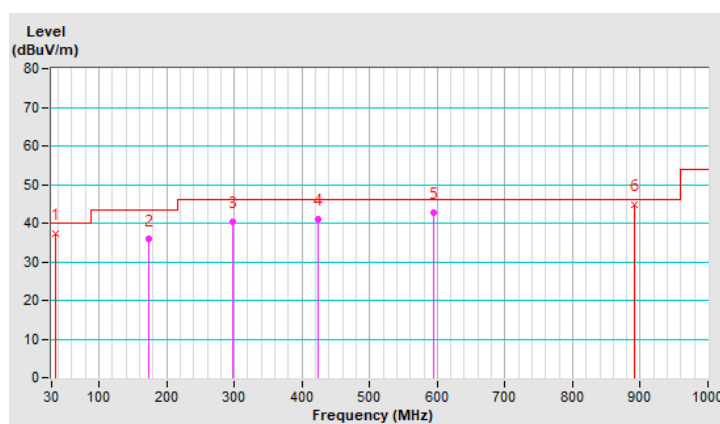


操作模式：	發射接收 802.11g	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	27 °C	量測場地濕度：	62% RH
測試日期：	110 年 11 月 1 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.24	37.29 QP	40.00	-2.71	1.08 V	87	45.47	-8.18
2	173.32	35.83 QP	43.50	-7.67	1.27 V	117	42.45	-6.62
3	296.99	40.32 QP	46.00	-5.68	1.18 V	68	44.59	-4.27
4	424.01	41.10 QP	46.00	-4.90	1.52 V	175	42.45	-1.35
5	594.01	42.83 QP	46.00	-3.17	1.62 V	141	40.68	2.15
6	890.98	44.83 QP	46.00	-1.17	1.85 V	360	37.24	7.59

Remarks:

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

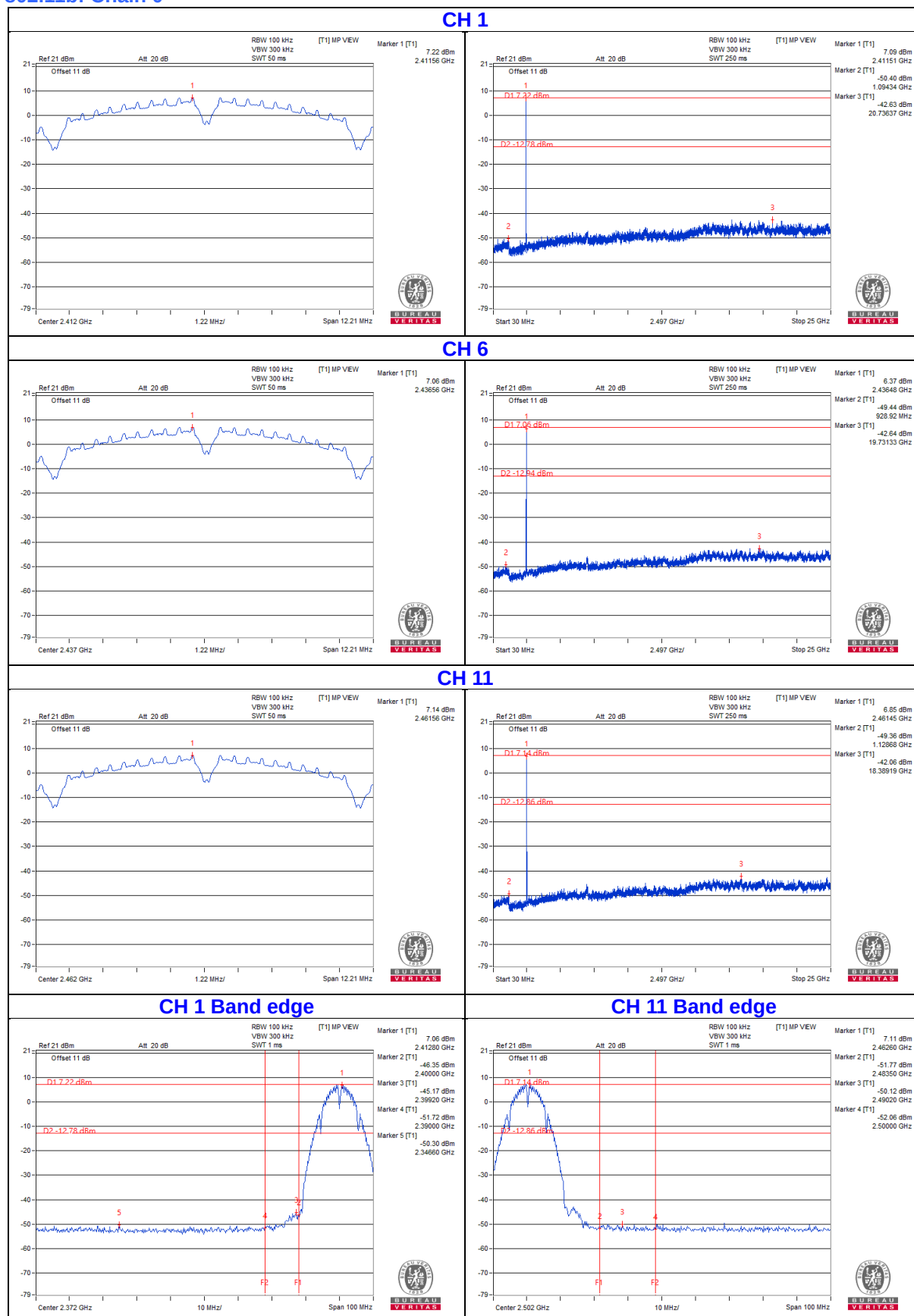


4.7 配置照片

請參照 Test Setup Photos: BHKO-WTW-P21090237_TSup

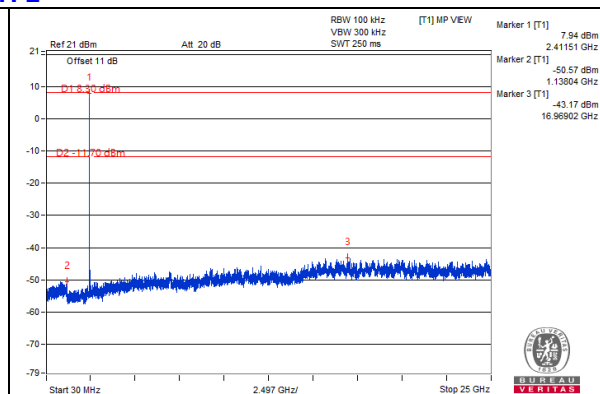
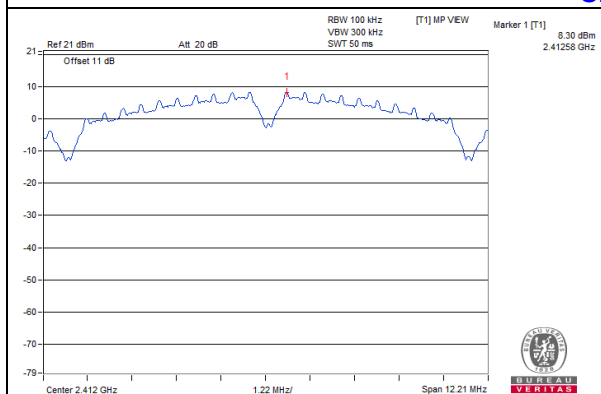
4.8 帶外發射之量測(傳導)

802.11b: Chain 0

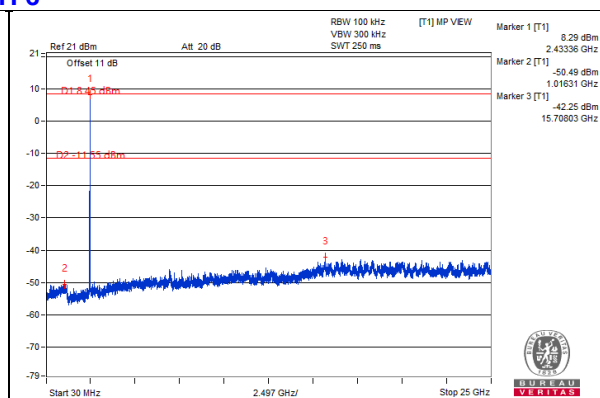
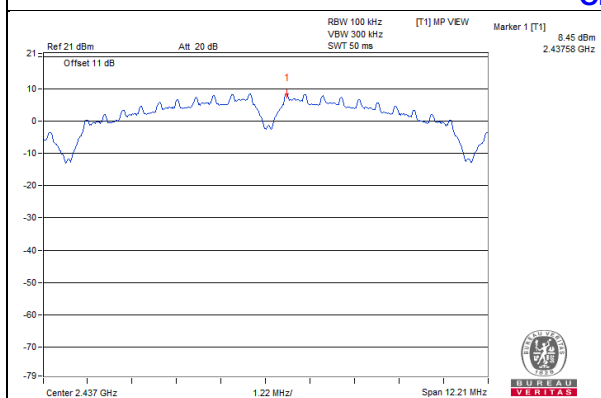


802.11b: Chain 1

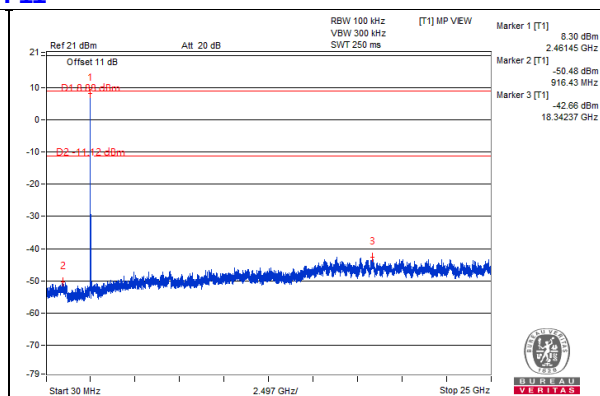
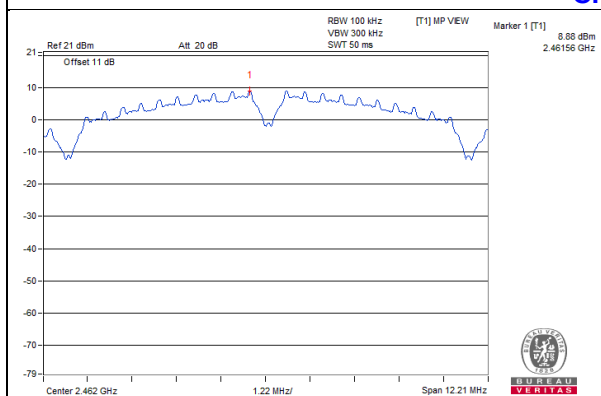
CH 1



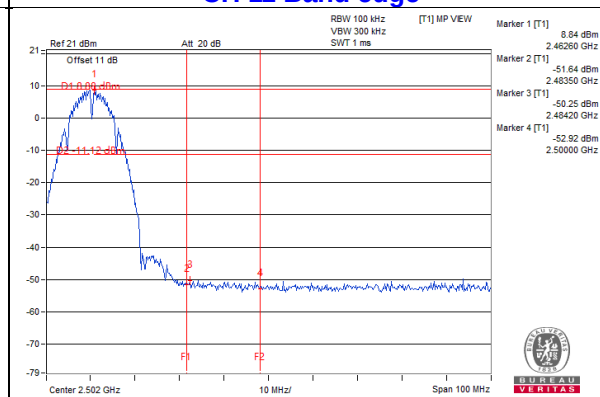
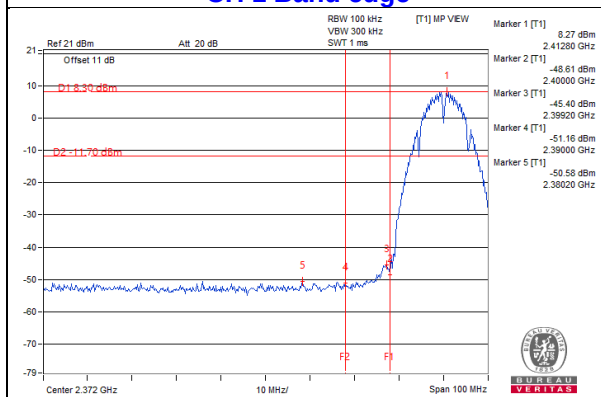
CH 6



CH 11

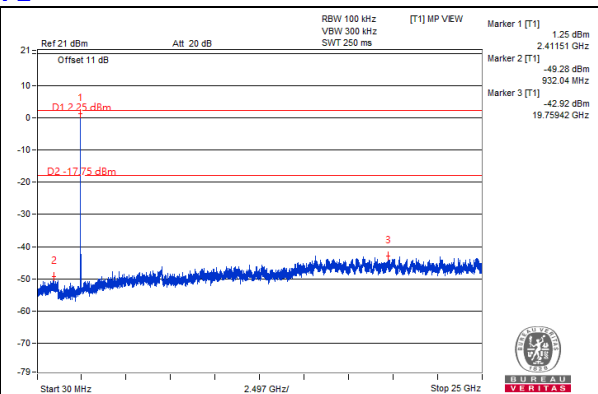
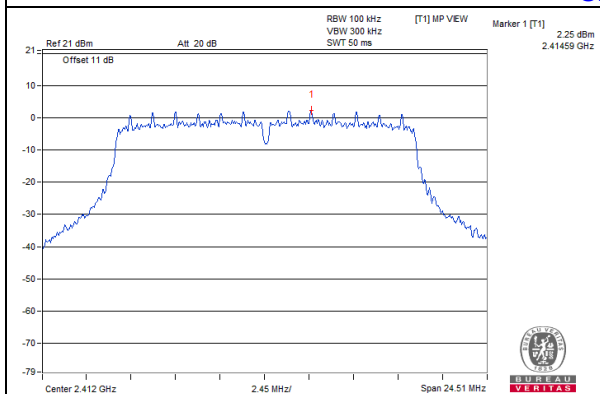


CH 1 Band edge

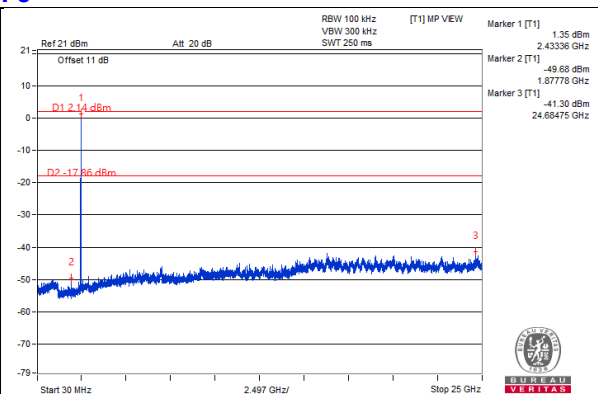
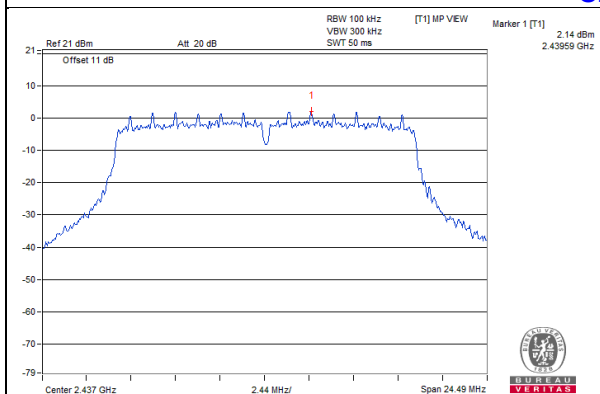


802.11g: Chain 0

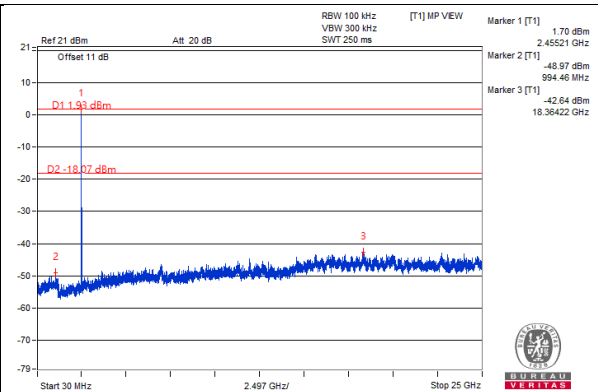
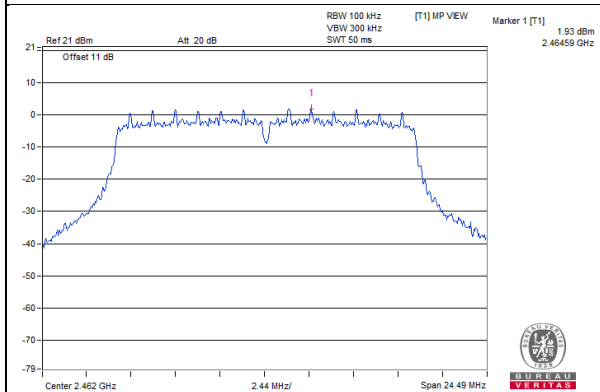
CH 1



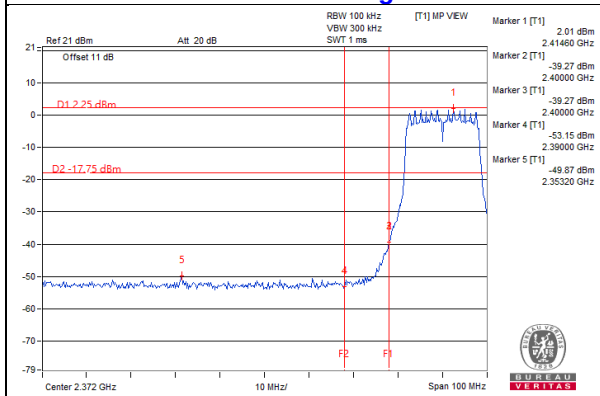
CH 6



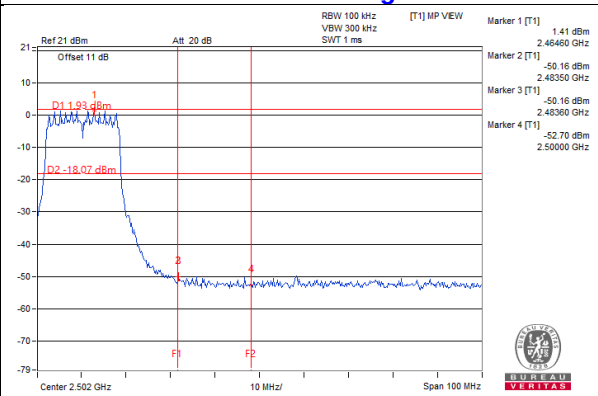
CH 11



CH 1 Band edge

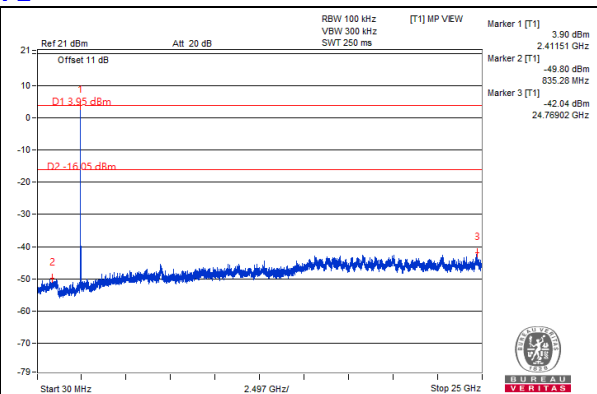
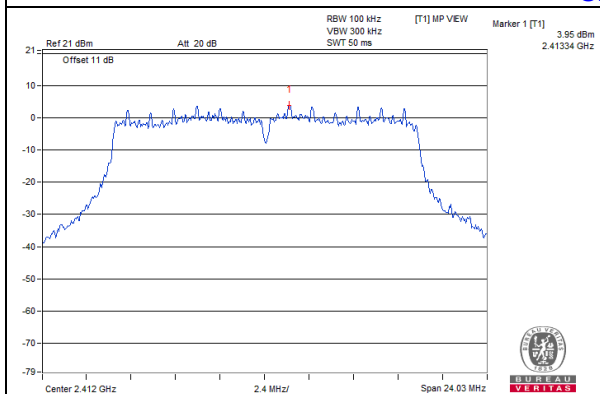


CH 11 Band edge

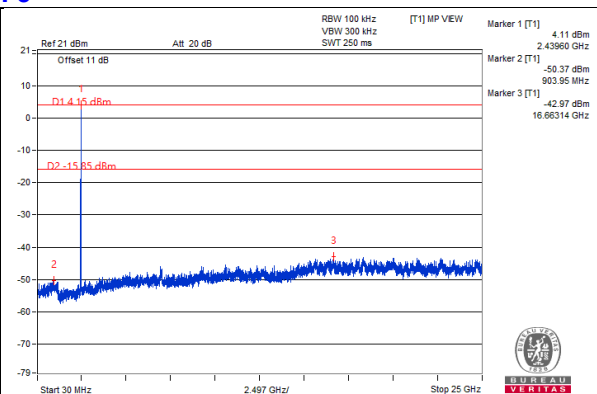
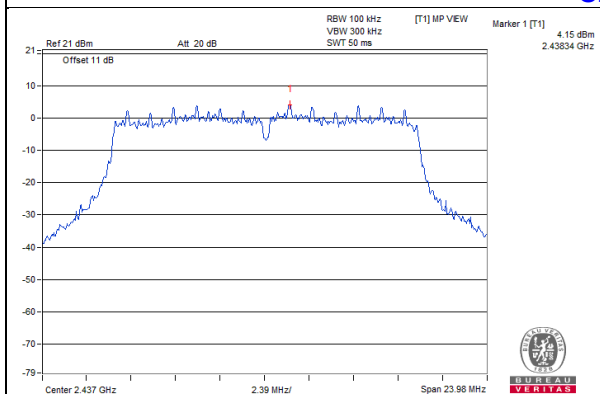


802.11g: Chain 1

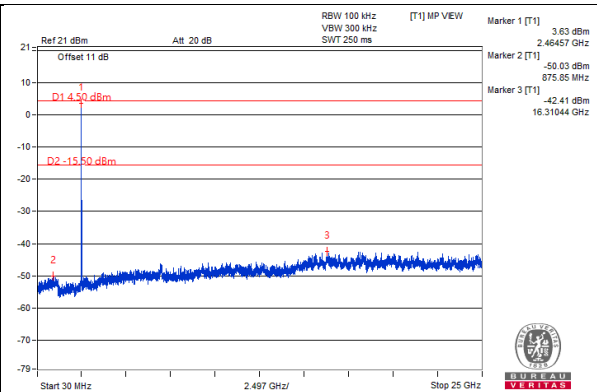
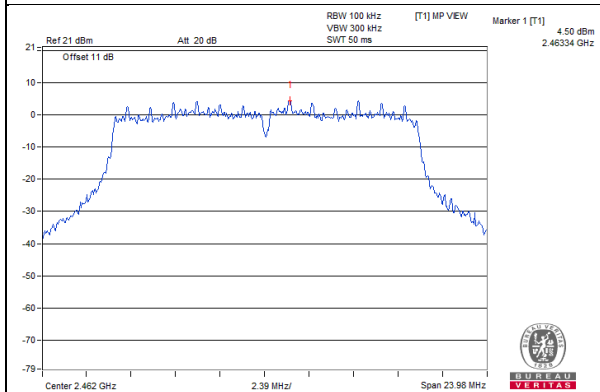
CH 1



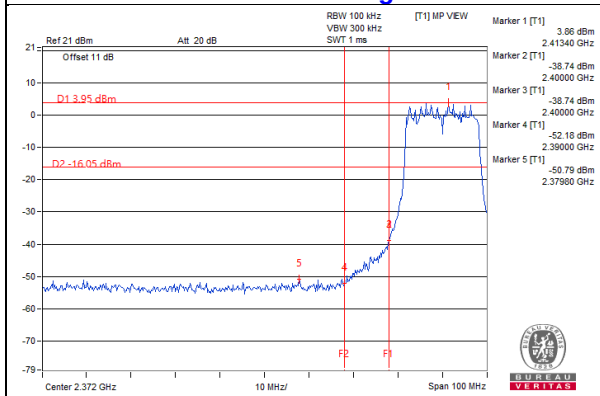
CH 6



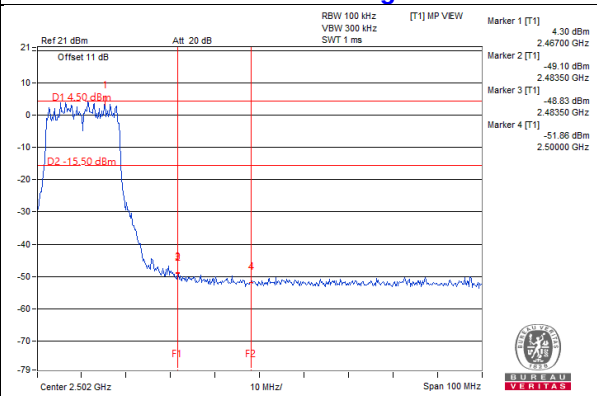
CH 11



CH 1 Band edge

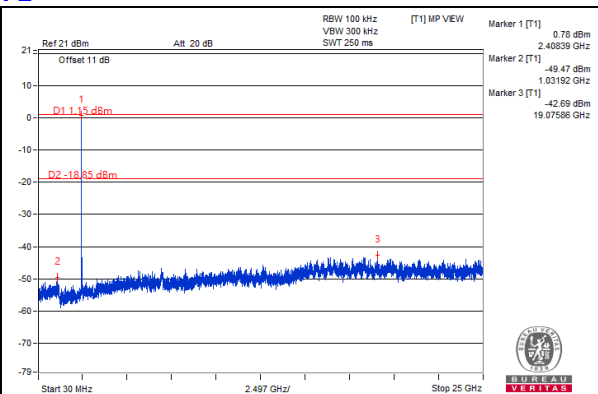
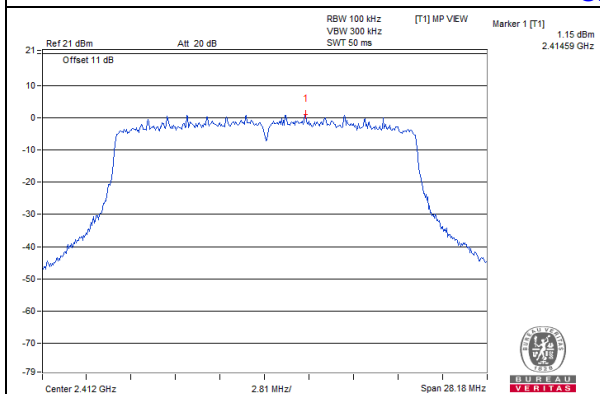


CH 11 Band edge

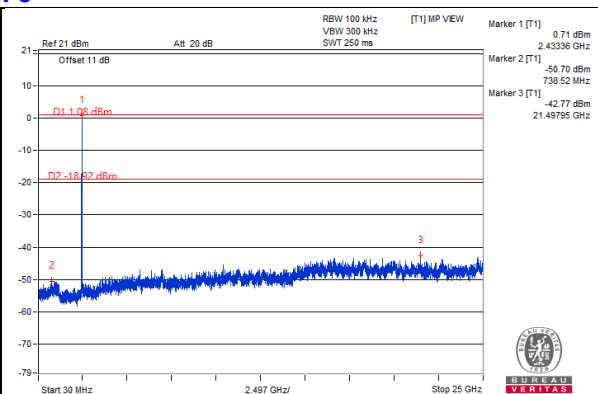
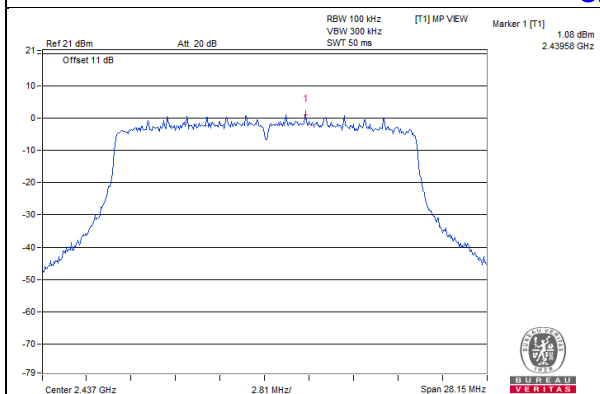


802.11ax (HE20): Chain 0

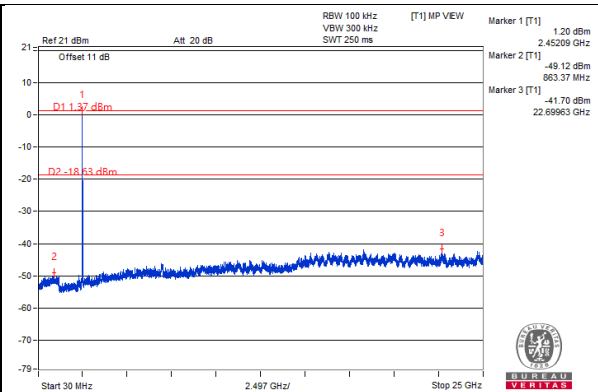
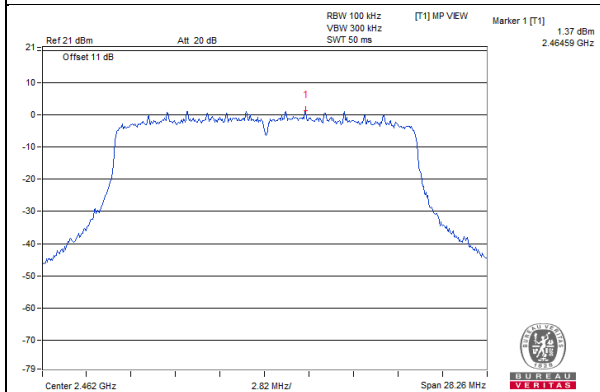
CH 1



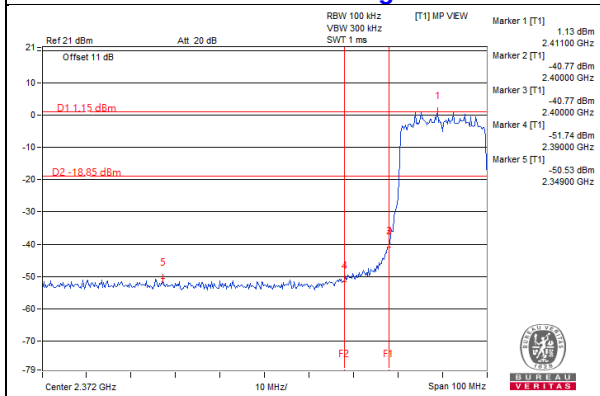
CH 6



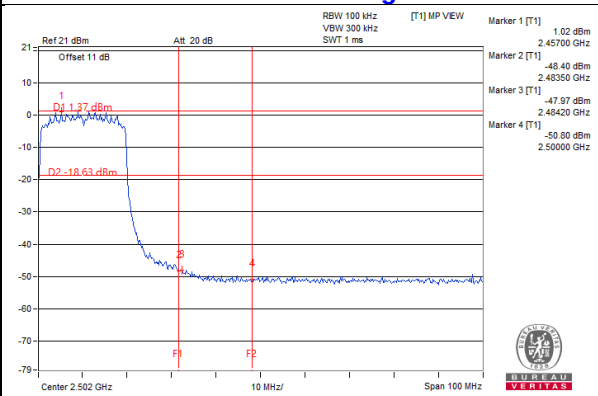
CH 11



CH 1 Band edge

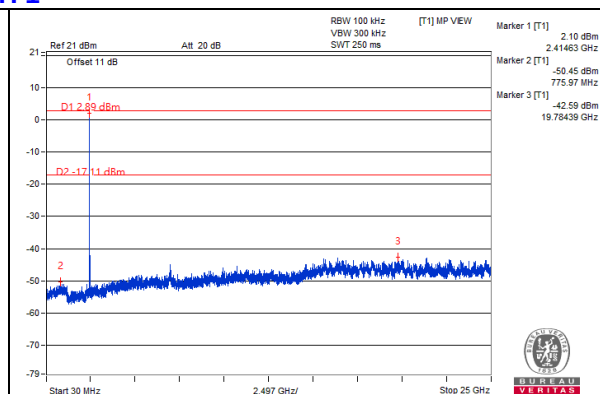
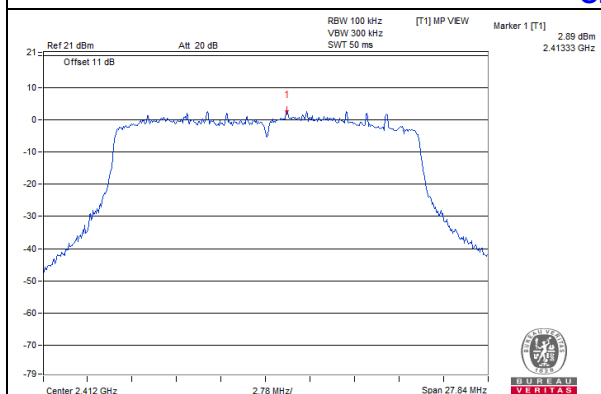


CH 11 Band edge

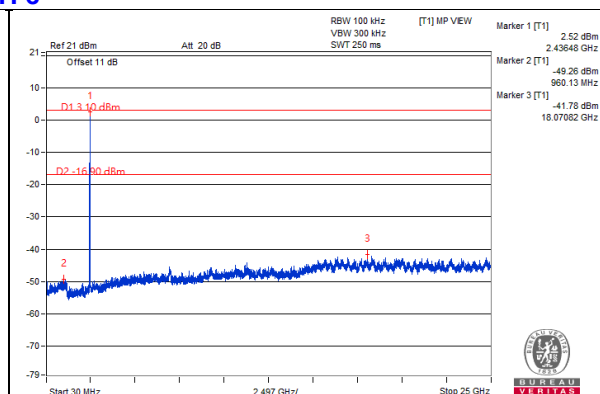
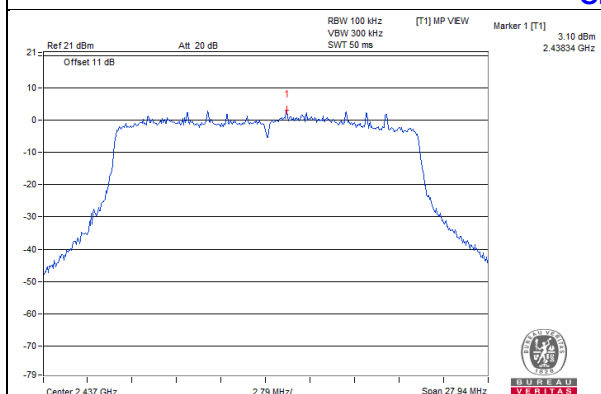


802.11ax (HE20): Chain 1

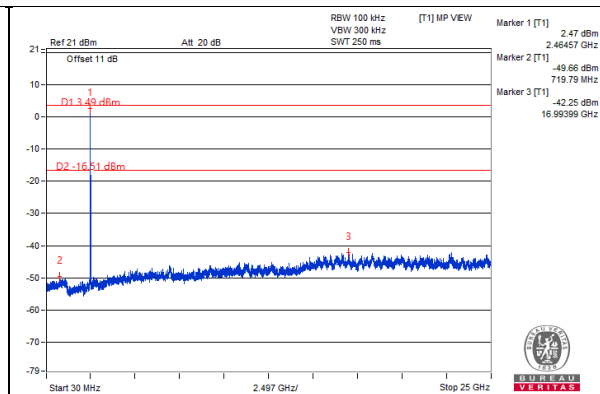
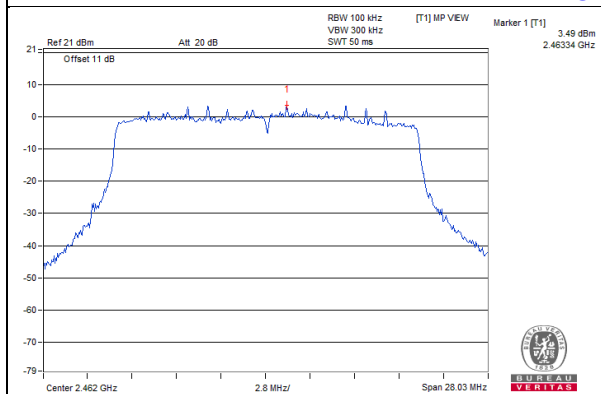
CH 1



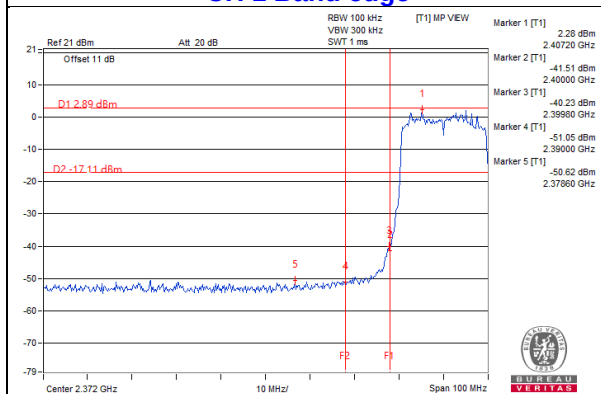
CH 6



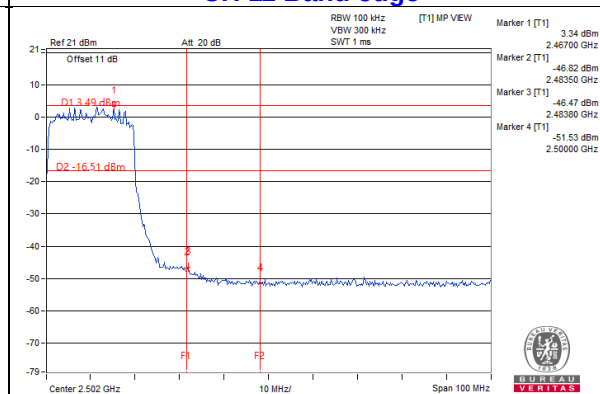
CH 11



CH 1 Band edge

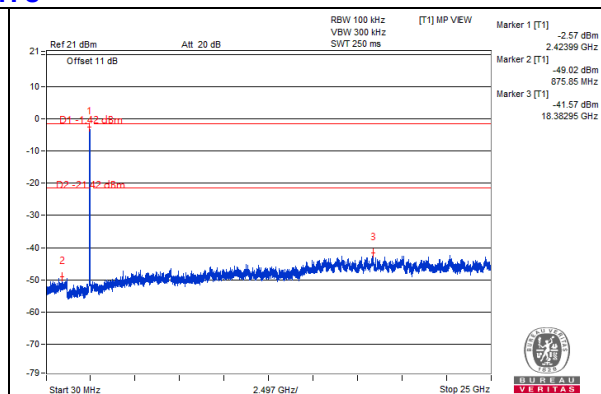
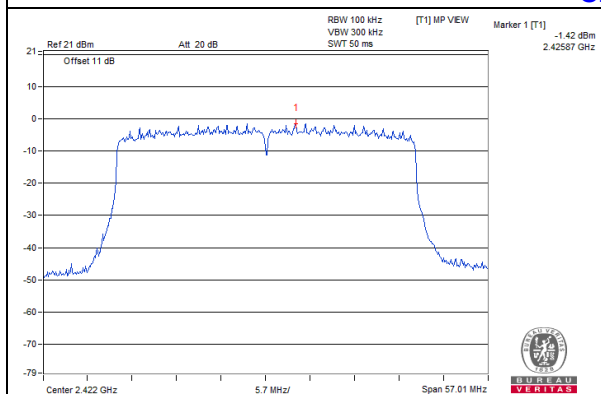


CH 11 Band edge

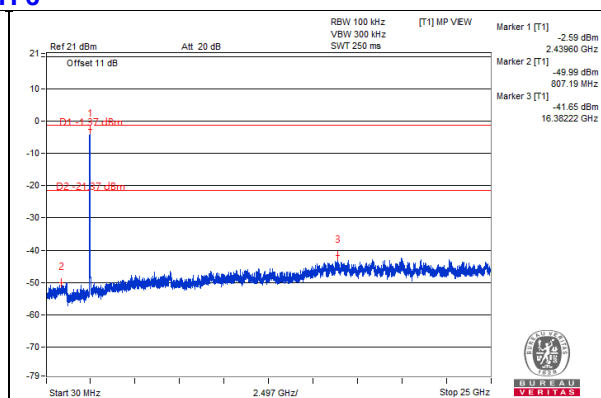
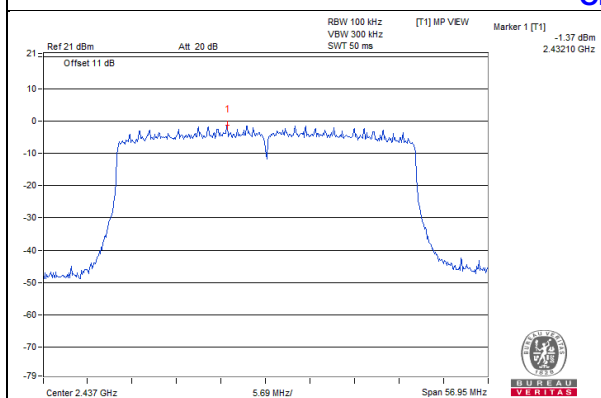


802.11ax (HE40): Chain 0

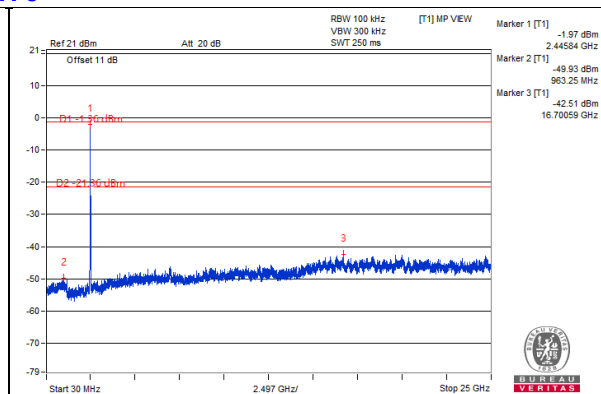
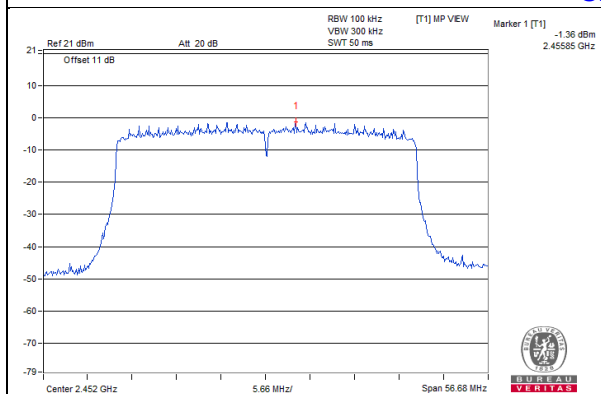
CH 3



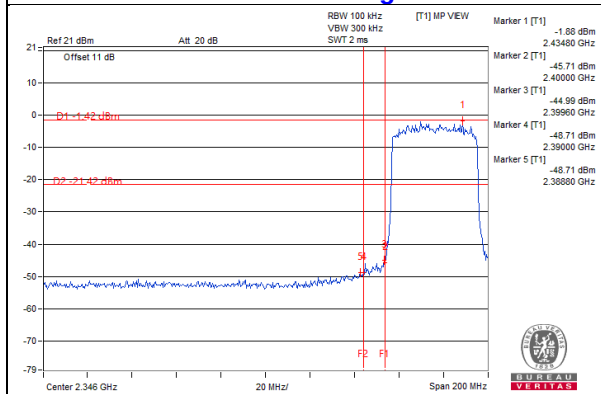
CH 6



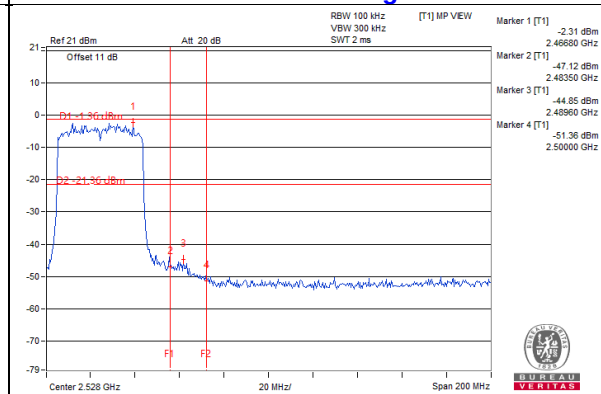
CH 9



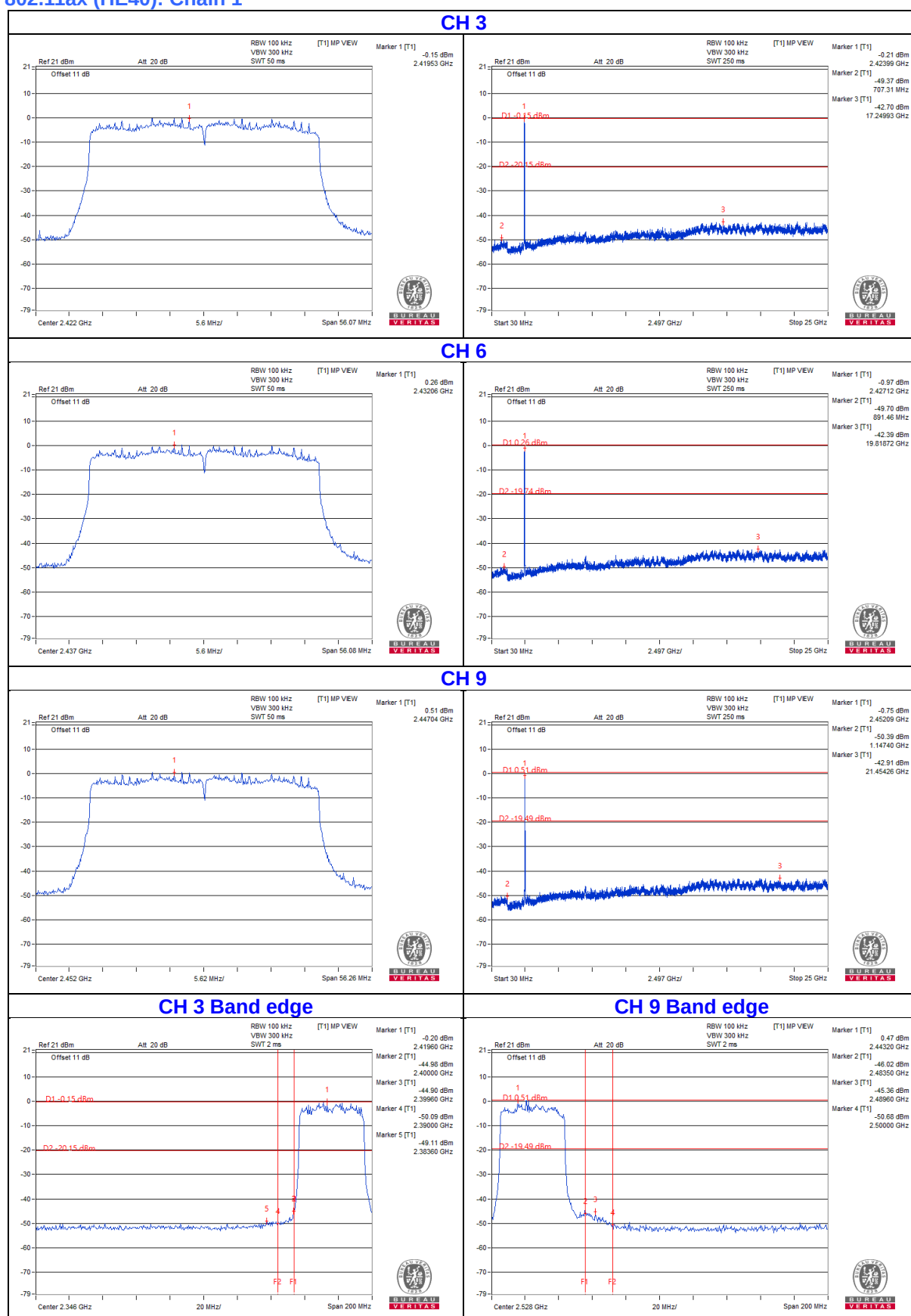
CH 3 Band edge



CH 9 Band edge



802.11ax (HE40): Chain 1



4.9 量測結果判定
依據測試數據結果，符合低功率射頻器材技術規範之要求。

5 電源線傳導干擾之量測

5.1 適用標準

請見本報告 3.1 節第 1 項的規定。

5.2 量測方法

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

5.3 量測儀器

Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
Test Receiver ESR3 R&S	ESR3	102412	2021/1/29	2022/1/28
LISN SCHWARZBECK	NSLK 8128	8128-244	2020/11/19	2021/11/18
LISN SCHWARZBECK	NNLK8129	8129229	2021/5/20	2022/5/19
DC LISN SCHWARZBECK	NNLK 8121	8121-808	2021/4/18	2022/4/17
LISN SCHWARZBECK	NNLK 8121	8121-731	2021/4/28	2022/4/27
LISN R&S	ENV216	101196	2021/4/26	2022/4/25
LISN R&S	ESH3-Z5	100220	2020/12/1	2021/11/30
LISN R&S	ESH3-Z6	844950/018	2021/7/25	2022/7/24
DC LISN R&S	ESH3-Z6	100219	2021/7/25	2022/7/24
High Voltage Probe Schwarzbeck	TK9420	00982	2021/1/8	2022/1/7
RF Coaxial Cable Commate	5D-FB	Cable-CO5-01	2021/1/29	2022/1/28
Attenuator STI	STI02-2200-10	NO.4	2021/9/3	2022/9/2
50 Ohms Terminator LYNICS	0900510	E1-01-305	2021/2/17	2022/2/16
Isolation Transformer Erika Fiedler	D-65396	017	2021/9/9	2022/9/8
Software BVADT	Cond_V7.3.7.4	NA	NA	NA

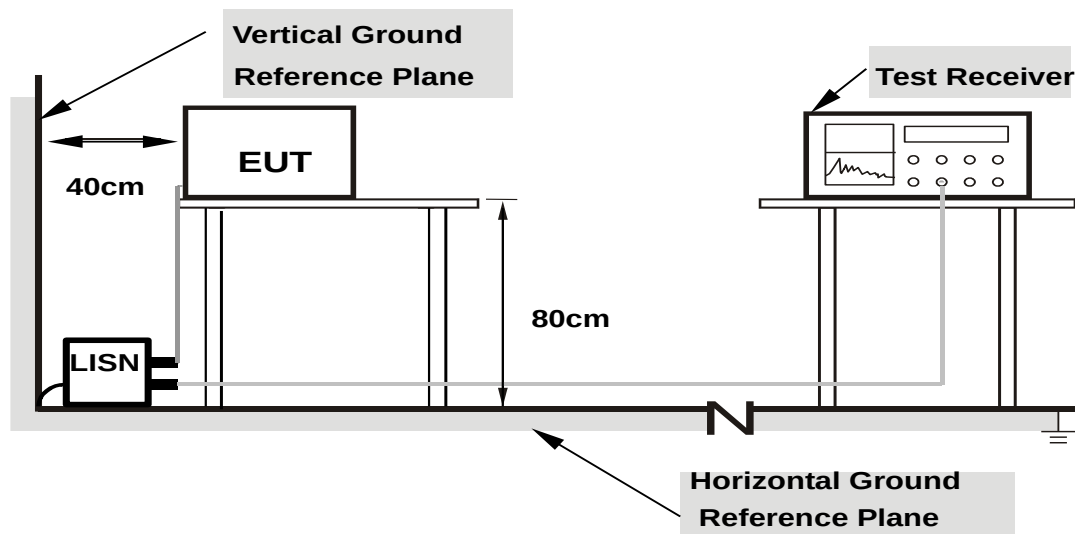
Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in Linkou Conduction05

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	Uncertainty
Conducted emissions	±3.00 dB

5.4 測試配置



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

5.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

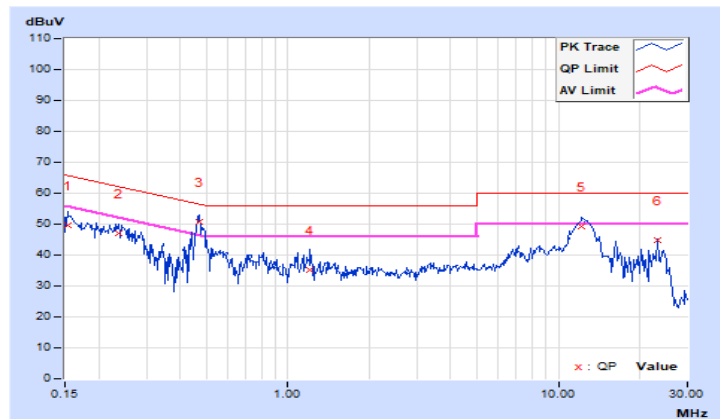
5.6 量測結果

操作模式：	發射接收 802.11g	基本波頻率：	CH 11 : 2462 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25 °C	量測場地濕度：	75% RH
測試日期：	110 年 10 月 27 日	測試者：	張君煌

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.88	39.85	31.72	49.73	41.60	65.79	55.79	-16.06	-14.19
2	0.23594	9.88	37.10	29.60	46.98	39.48	62.24	52.24	-15.26	-12.76
3	0.47031	9.91	40.83	31.73	50.74	41.64	56.51	46.51	-5.77	-4.87
4	1.20313	9.96	25.24	17.13	35.20	27.09	56.00	46.00	-20.80	-18.91
5	12.19922	10.27	38.99	32.77	49.26	43.04	60.00	50.00	-10.74	-6.96
6	23.12891	10.48	34.49	33.44	44.97	43.92	60.00	50.00	-15.03	-6.08

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

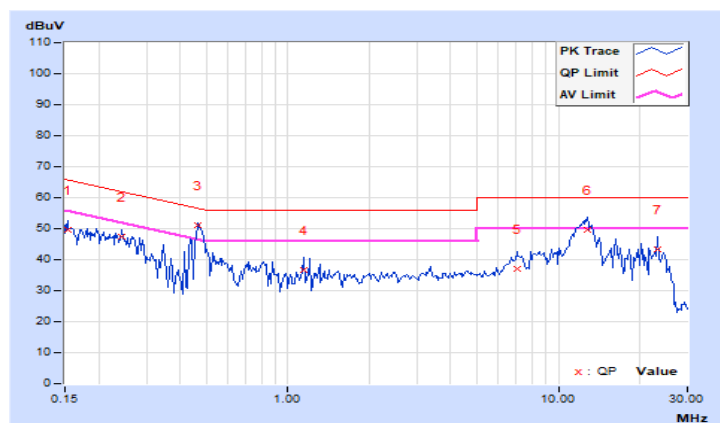


操作模式：	發射接收 802.11g	基本波頻率：	CH 11：2462 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25 °C	量測場地濕度：	75% RH
測試日期：	110 年 10 月 27 日	測試者：	張君煌

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15391	9.89	39.72	30.91	49.61	40.80	65.79	55.79	-16.18	-14.99
2	0.24375	9.89	37.54	29.01	47.43	38.90	61.97	51.97	-14.54	-13.07
3	0.46250	9.92	41.02	32.14	50.94	42.06	56.65	46.65	-5.71	-4.59
4	1.14844	9.97	26.84	17.53	36.81	27.50	56.00	46.00	-19.19	-18.50
5	7.00391	10.14	26.76	19.87	36.90	30.01	60.00	50.00	-23.10	-19.99
6	12.74609	10.31	39.41	32.79	49.72	43.10	60.00	50.00	-10.28	-6.90
7	23.12891	10.50	32.85	32.33	43.35	42.83	60.00	50.00	-16.65	-7.17

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

請參照 Test Setup Photos: BHKO-WTW-P21090237_TSup

6 6 dB 頻寬之要求

6.1 適用標準

請見本報告 3.1 節第 5 項(I)的規定。

6.2 量測方法

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

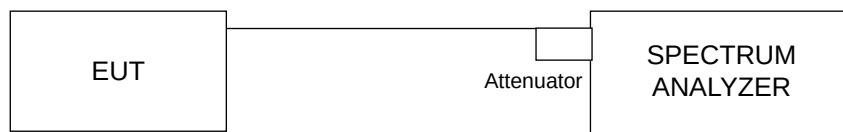
6.3 量測儀器

Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
Spectrum Analyzer R&S	FSV40	101544	2021/5/24	2022/5/23

NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is $\pm 2.63\text{dB}$, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

6.4 測試配置



6.5 量測結果

操作模式	發射	測試日期	110 年 10 月 29 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	戴瑋倫		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	8.14	8.14	0.5	Pass
6	2437	8.14	8.14	0.5	Pass
11	2462	8.14	8.14	0.5	Pass

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	16.34	16.02	0.5	Pass
6	2437	16.33	15.99	0.5	Pass
11	2462	16.33	15.99	0.5	Pass

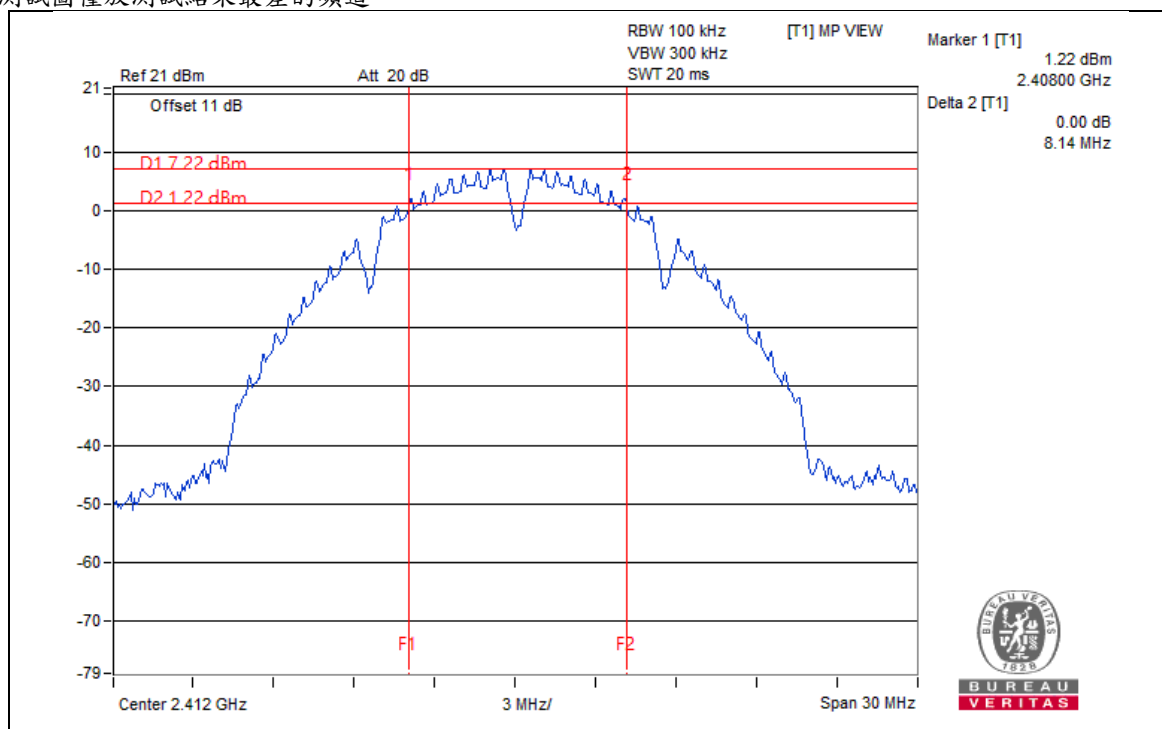
802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	18.79	18.56	0.5	Pass
6	2437	18.77	18.63	0.5	Pass
11	2462	18.84	18.69	0.5	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	38.01	37.38	0.5	Pass
6	2437	37.97	37.39	0.5	Pass
9	2452	37.79	37.51	0.5	Pass

**此測試圖僅放測試結果最差的頻道。



6.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

7 傳導輸出功率之量測

7.1 適用標準

請見本報告 3.1 節第 6 項(I)及 4 項(I)的規定。

7.2 量測方法

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

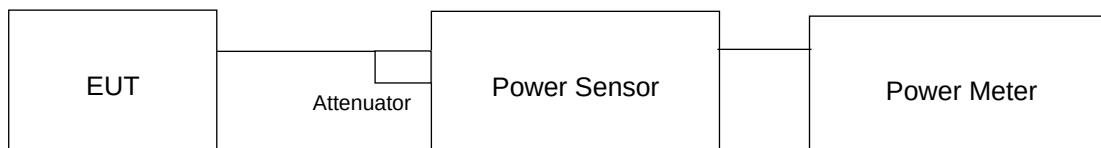
7.3 量測儀器

Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
Pulse Power Sensor Anritsu	MA2411B	0738404	2021/4/15	2022/4/14
Peak Power meter Anritsu	ML2495A	0842014	2021/4/15	2022/4/14
MIMO Power measurement Test set KEYSIGHT	U2021XA	U2021XA_001	2021/6/16	2022/6/15

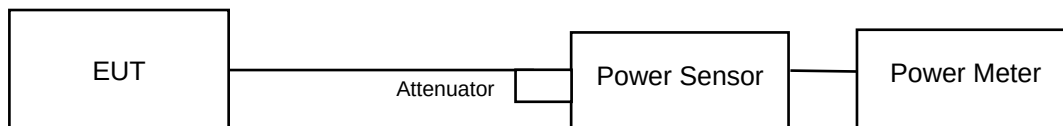
NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is $\pm 2.63\text{dB}$, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

7.4 測試配置



Or



7.5 量測結果

操作模式	發射	測試日期	110 年 10 月 29 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	戴瑋倫		

FOR PEAK POWER

802.11b

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	19.65	21.24	225.303	23.53	30	Pass
6	2437	18.98	20.84	200.407	23.02	30	Pass
11	2462	19.93	21.22	230.835	23.63	30	Pass

802.11g

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	20.86	22.10	284.080	24.53	30	Pass
6	2437	20.37	22.49	286.312	24.57	30	Pass
11	2462	20.79	22.63	303.181	24.82	30	Pass

802.11n (HT20)

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	20.01	21.96	257.267	24.10	30	Pass
6	2437	20.04	22.02	260.146	24.15	30	Pass
11	2462	20.16	22.06	264.447	24.22	30	Pass

802.11n (HT40)

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	20.27	22.01	265.269	24.24	30	Pass
6	2437	20.52	22.19	278.297	24.45	30	Pass
9	2452	20.51	22.41	286.641	24.57	30	Pass

VHT20

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	20.03	21.98	258.454	24.12	30	Pass
6	2437	20.06	22.05	261.716	24.18	30	Pass
11	2462	22.19	22.10	266.653	24.26	30	Pass

VHT40

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	20.31	22.05	267.723	24.28	30	Pass
6	2437	20.55	22.22	280.226	24.48	30	Pass
9	2452	20.53	22.43	287.964	24.59	30	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	20.05	22.01	260.013	24.15	30	Pass
6	2437	20.09	22.09	263.902	24.21	30	Pass
11	2462	20.21	22.14	268.636	24.29	30	Pass

802.11ax (HE40)

Channel	Frequency (MHz)	Peak Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	20.35	22.07	269.457	24.30	30	Pass
6	2437	20.59	22.26	282.819	24.52	30	Pass
9	2452	20.57	22.47	290.629	24.63	30	Pass

FOR AVERAGE POWER

802.11b

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	17.10	18.43	120.949	20.83
6	2437	16.50	18.06	108.642	20.36
11	2462	17.35	18.70	128.456	21.09

802.11g

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	13.81	15.12	56.552	17.52
6	2437	13.50	15.13	54.971	17.40
11	2462	13.71	15.64	60.140	17.79

802.11n (HT20)

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	12.55	14.01	43.165	16.35
6	2437	12.43	14.06	42.967	16.33
11	2462	12.39	14.42	45.007	16.53

802.11n (HT40)

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	12.55	14.03	43.282	16.36
6	2437	12.64	14.19	44.608	16.49
9	2452	12.80	14.56	47.631	16.78

VHT20

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	12.57	14.03	43.365	16.37
6	2437	12.44	14.08	43.125	16.35
11	2462	12.42	14.45	45.319	16.56

VHT40

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	12.60	14.04	43.548	16.39
6	2437	12.66	14.22	44.874	16.52
9	2452	12.82	14.58	47.850	16.80

802.11ax (HE20)

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
1	2412	12.62	14.04	43.632	16.40
6	2437	12.46	14.11	43.383	16.37
11	2462	12.45	14.48	45.634	16.59

802.11ax (HE40)

Chan.	Frequency (MHz)	Avg. Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
3	2422	12.63	14.08	43.909	16.43
6	2437	12.71	14.25	45.271	16.56
9	2452	12.86	14.62	48.293	16.84

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 3 kHz，視訊頻寬為 10kHz，掃描時間設為自動，直至掃描信號穩定。
- 使用峰值功能鍵,並找到最大的峰值準位。

8.3 量測儀器

Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
Spectrum Analyzer R&S	FSV40	101544	2021/5/24	2022/5/23

NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is $\pm 2.63\text{dB}$, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

8.4 測試配置



8.5 量測結果

操作模式	發射	測試日期	110 年 10 月 29 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	戴瑋倫		

802.11b

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-8.96	3.01	-5.95	7.66	Pass
	6	2437	-9.04	3.01	-6.03	7.66	Pass
	11	2462	-8.98	3.01	-5.97	7.66	Pass
1	1	2412	-7.79	3.01	-4.78	7.66	Pass
	6	2437	-7.63	3.01	-4.62	7.66	Pass
	11	2462	-7.18	3.01	-4.17	7.66	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is measure value add 10 log (N_{ANT}) dB.
- Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 6.34\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.34-6)=7.66\text{dBm/3kHz}$.

802.11g

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-13.27	3.01	-10.26	7.66	Pass
	6	2437	-13.07	3.01	-10.06	7.66	Pass
	11	2462	-13.21	3.01	-10.20	7.66	Pass
1	1	2412	-12.02	3.01	-9.01	7.66	Pass
	6	2437	-12.36	3.01	-9.35	7.66	Pass
	11	2462	-11.60	3.01	-8.59	7.66	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is measure value add 10 log (N_{ANT}) dB.
- Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 6.34\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.34-6)=7.66\text{dBm/3kHz}$.

802.11ax (HE20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-13.44	3.01	-10.43	7.66	Pass
	6	2437	-13.67	3.01	-10.66	7.66	Pass
	11	2462	-13.19	3.01	-10.18	7.66	Pass
1	1	2412	-11.75	3.01	-8.74	7.66	Pass
	6	2437	-11.82	3.01	-8.81	7.66	Pass
	11	2462	-11.23	3.01	-8.22	7.66	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is measure value add 10 log (N_{ANT}) dB.
- Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 6.34\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.34-6)=7.66\text{dBm/3kHz}$.

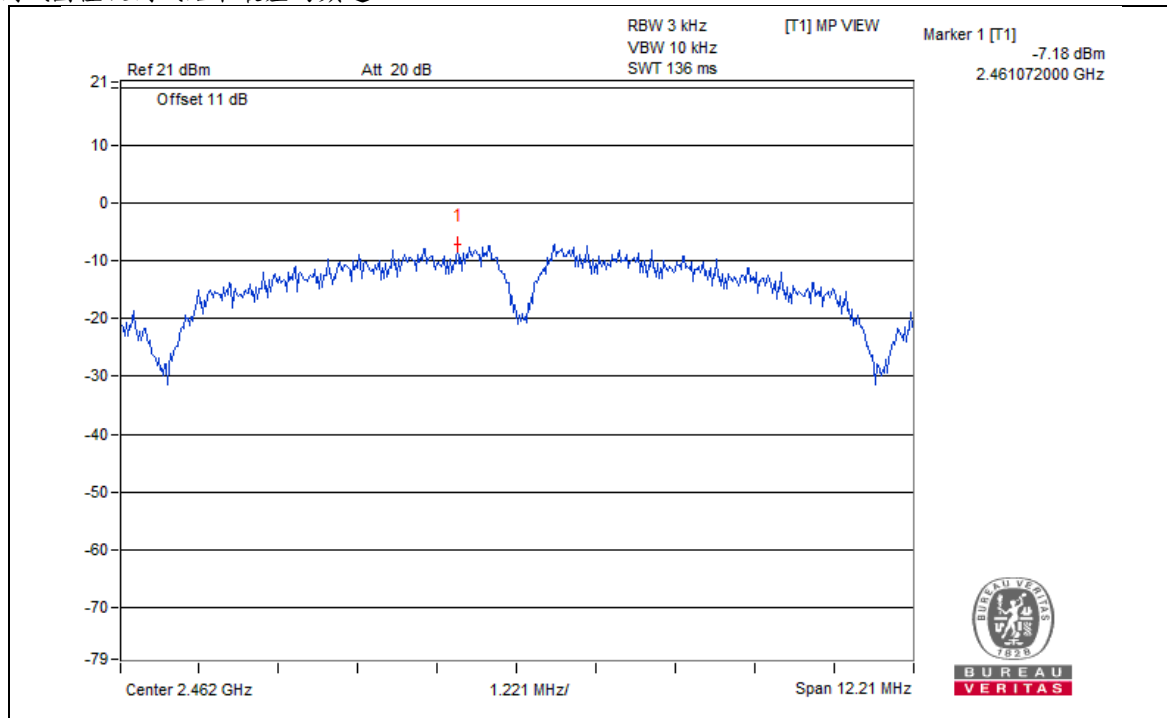
802.11ax (HE40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=2) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	3	2422	-16.09	3.01	-13.08	7.66	Pass
	6	2437	-15.88	3.01	-12.87	7.66	Pass
	9	2452	-15.47	3.01	-12.46	7.66	Pass
1	3	2422	-13.84	3.01	-10.83	7.66	Pass
	6	2437	-14.68	3.01	-11.67	7.66	Pass
	9	2452	-14.00	3.01	-10.99	7.66	Pass

Note:

- Method E) 2) c) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is measure value add 10 log (N_{ANT}) dB.
- Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 6.34\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $8-(6.34-6)=7.66\text{dBm/3kHz}$.

**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。

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

9.3 量測儀器

同 4.3 節

9.4 帶外發射之測試配置

同 4.4 節

9.5 場強度之計算

場強之計算公式如下：

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

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

*有效等向輻射功率限制值轉換場強值如下：

Applicable To		Limit	
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.		^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.	
^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.		^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.	

Note:

有效等向輻射功率限制值轉換場強之公式如下：

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

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

9.6 量測結果

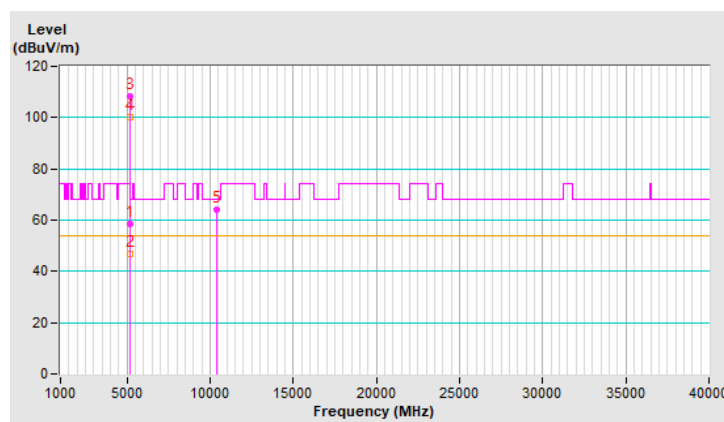
9.6.1 發射諧波

操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頡

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	58.48 PK	74.00	-15.52	1.72 H	305	51.67	6.81
2	5150.00	46.91 AV	54.00	-7.09	1.72 H	305	40.10	6.81
3	*5180.00	108.47 PK			1.72 H	305	101.44	7.03
4	*5180.00	100.37 AV			1.72 H	305	93.34	7.03
5	#10360.00	64.07 PK	68.20	-4.13	1.83 H	141	49.51	14.56
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

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

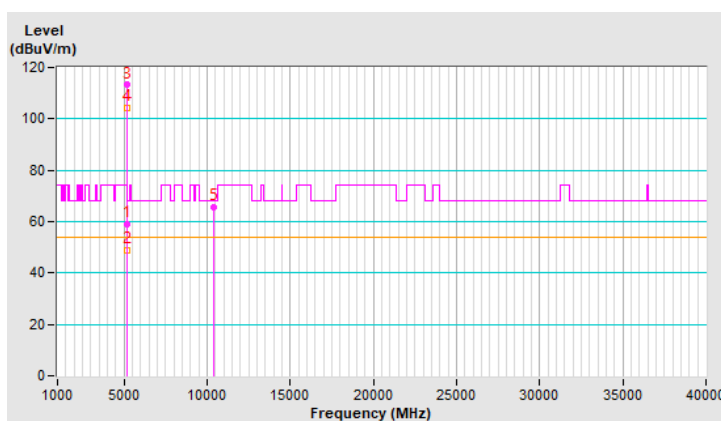


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

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	59.09 PK	74.00	-14.91	1.95 V	287	52.28	6.81
2	5150.00	48.68 AV	54.00	-5.32	1.95 V	287	41.87	6.81
3	*5180.00	113.16 PK			1.95 V	287	106.13	7.03
4	*5180.00	104.26 AV			1.95 V	287	97.23	7.03
5	#10360.00	65.82 PK	68.20	-2.38	1.55 V	131	51.26	14.56
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

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

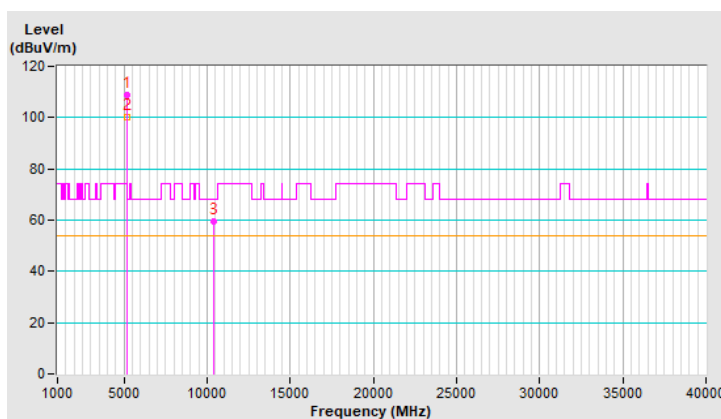


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	108.77 PK			1.64 H	306	101.60	7.17
2	*5200.00	100.32 AV			1.64 H	306	93.15	7.17
3	#10400.00	59.74 PK	68.20	-8.46	1.63 H	207	45.12	14.62
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

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

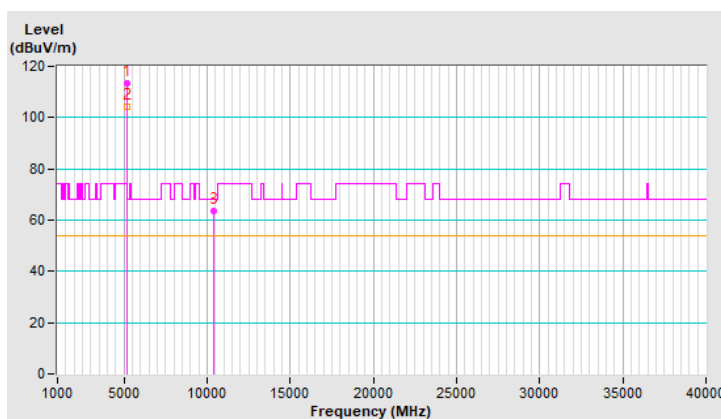


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	113.47 PK			2.02 V	286	106.30	7.17
2	*5200.00	104.12 AV			2.02 V	286	96.95	7.17
3	#10400.00	63.63 PK	68.20	-4.57	1.67 V	133	49.01	14.62
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

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

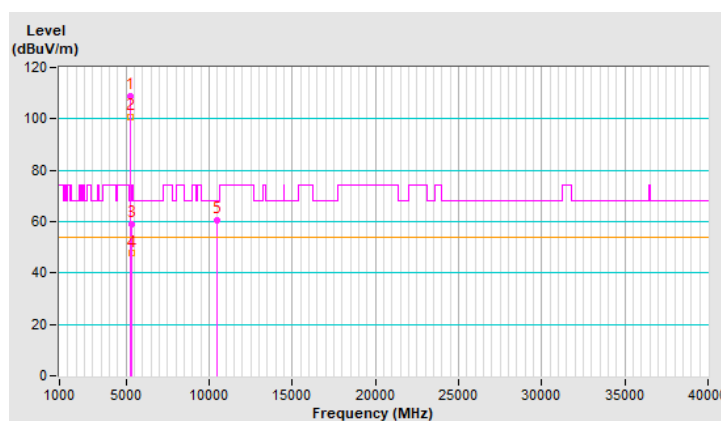


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

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	108.92 PK			1.71 H	306	101.58	7.34
2	*5240.00	100.69 AV			1.71 H	306	93.35	7.34
3	5350.00	58.91 PK	74.00	-15.09	1.71 H	306	51.07	7.84
4	5350.00	47.57 AV	54.00	-6.43	1.71 H	306	39.73	7.84
5	#10480.00	60.52 PK	68.20	-7.68	1.43 H	309	45.49	15.03
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

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

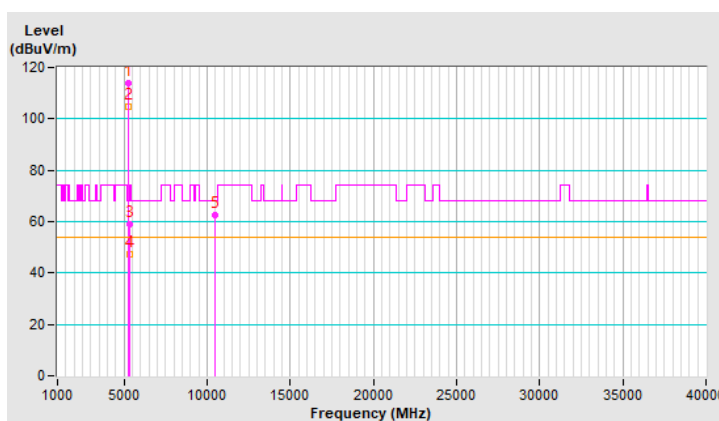


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

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	113.94 PK			2.18 V	285	106.60	7.34
2	*5240.00	104.68 AV			2.18 V	285	97.34	7.34
3	5350.00	59.06 PK	74.00	-14.94	2.18 V	285	51.22	7.84
4	5350.00	47.49 AV	54.00	-6.51	2.18 V	285	39.65	7.84
5	#10480.00	62.54 PK	68.20	-5.66	1.49 V	132	47.51	15.03
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

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

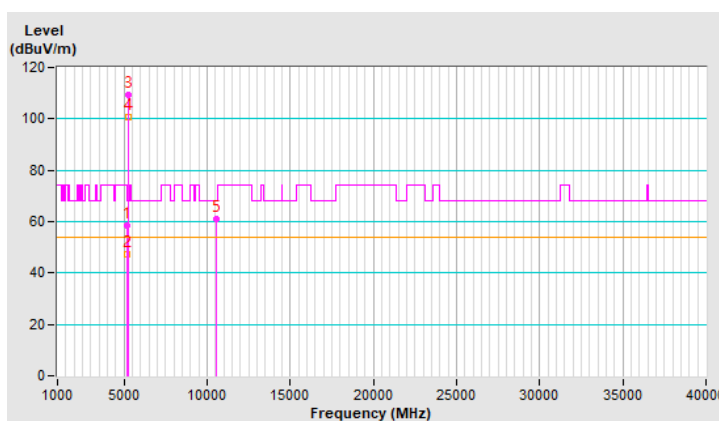


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	58.65 PK	74.00	-15.35	1.47 H	299	51.84	6.81
2	5150.00	47.44 AV	54.00	-6.56	1.47 H	299	40.63	6.81
3	*5260.00	109.19 PK			1.47 H	299	101.74	7.45
4	*5260.00	100.92 AV			1.47 H	299	93.47	7.45
5	#10520.00	61.16 PK	68.20	-7.04	1.49 H	309	46.00	15.16
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.

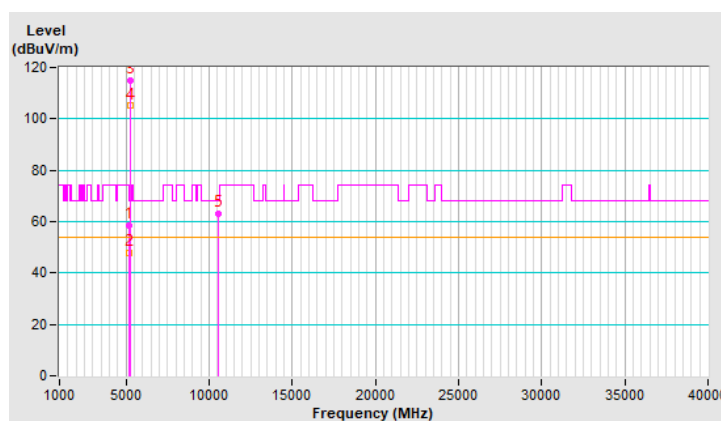


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	58.56 PK	74.00	-15.44	2.16 V	284	51.75	6.81
2	5150.00	47.89 AV	54.00	-6.11	2.16 V	284	41.08	6.81
3	*5260.00	114.93 PK			2.16 V	284	107.48	7.45
4	*5260.00	105.02 AV			2.16 V	284	97.57	7.45
5	#10520.00	63.08 PK	68.20	-5.12	1.32 V	292	47.92	15.16
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.

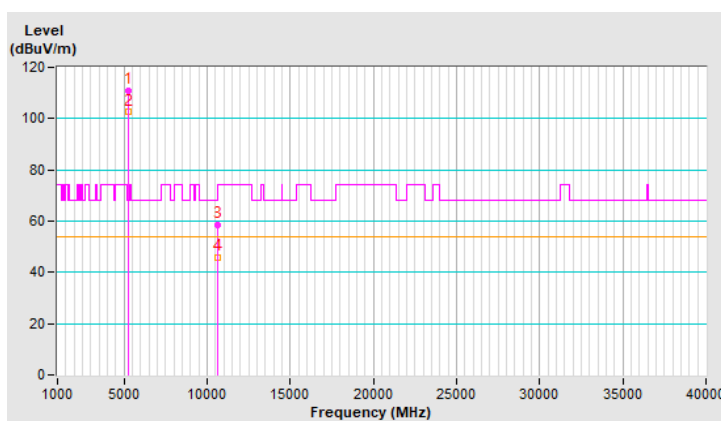


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	111.08 PK			1.77 H	307	103.34	7.74
2	*5300.00	102.46 AV			1.77 H	307	94.72	7.74
3	10600.00	58.45 PK	74.00	-15.55	1.58 H	310	43.14	15.31
4	10600.00	46.00 AV	54.00	-8.00	1.58 H	310	30.69	15.31
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.

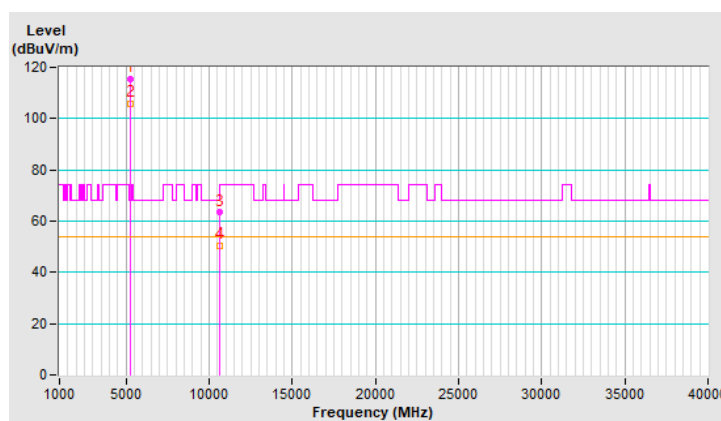


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	115.31 PK			2.05 V	286	107.57	7.74
2	*5300.00	105.79 AV			2.05 V	286	98.05	7.74
3	10600.00	63.32 PK	74.00	-10.68	1.51 V	130	48.01	15.31
4	10600.00	50.42 AV	54.00	-3.58	1.51 V	130	35.11	15.31
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.

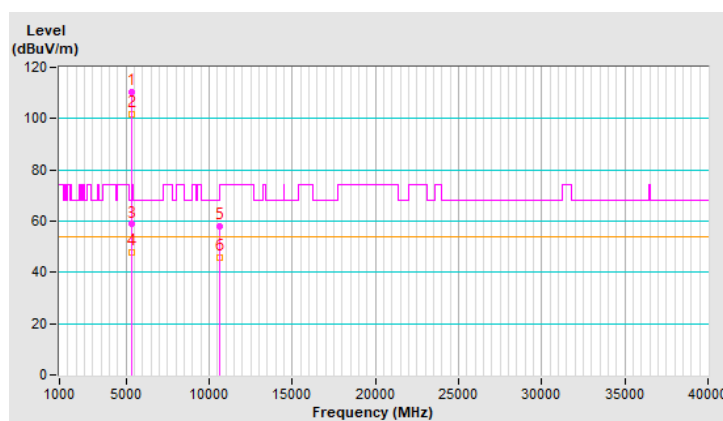


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	110.25 PK			1.60 H	311	102.47	7.78
2	*5320.00	101.91 AV			1.60 H	311	94.13	7.78
3	5350.00	58.75 PK	74.00	-15.25	1.60 H	311	50.91	7.84
4	5350.00	47.66 AV	54.00	-6.34	1.60 H	311	39.82	7.84
5	10640.00	57.82 PK	74.00	-16.18	1.73 H	309	42.41	15.41
6	10640.00	45.99 AV	54.00	-8.01	1.73 H	309	30.58	15.41
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.

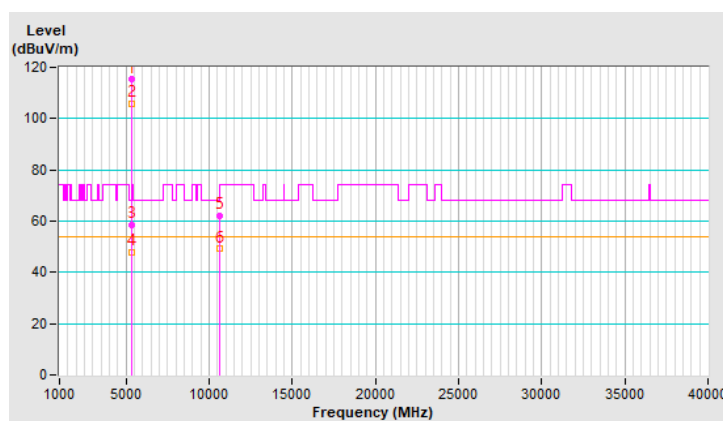


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	115.19 PK			2.14 V	286	107.41	7.78
2	*5320.00	105.76 AV			2.14 V	286	97.98	7.78
3	5350.00	58.59 PK	74.00	-15.41	2.14 V	286	50.75	7.84
4	5350.00	47.95 AV	54.00	-6.05	2.14 V	286	40.11	7.84
5	10640.00	62.01 PK	74.00	-11.99	1.54 V	130	46.60	15.41
6	10640.00	49.08 AV	54.00	-4.92	1.54 V	130	33.67	15.41
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.

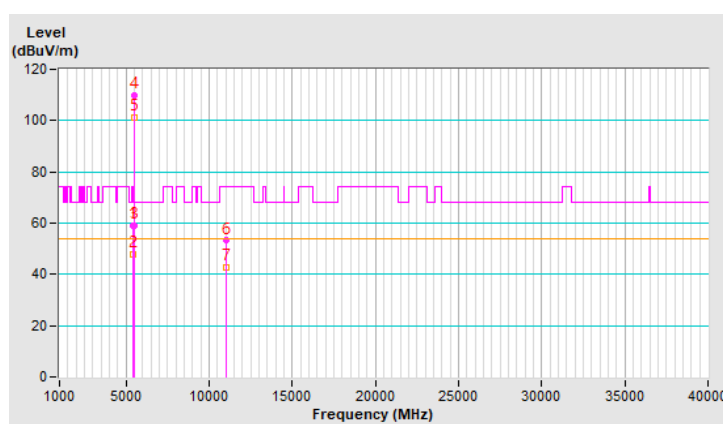


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	58.96 PK	74.00	-15.04	1.62 H	312	51.01	7.95
2	5460.00	47.93 AV	54.00	-6.07	1.62 H	312	39.98	7.95
3	#5470.00	59.07 PK	68.20	-9.13	1.62 H	312	51.10	7.97
4	*5500.00	109.99 PK			1.62 H	312	101.98	8.01
5	*5500.00	101.17 AV			1.62 H	312	93.16	8.01
6	11000.00	53.20 PK	74.00	-20.80	1.65 H	313	37.31	15.89
7	11000.00	42.62 AV	54.00	-11.38	1.65 H	313	26.73	15.89
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.

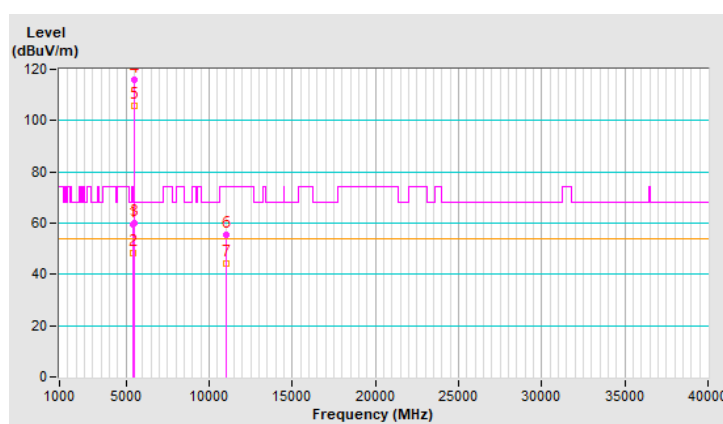


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊穎

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	59.52 PK	74.00	-14.48	2.12 V	278	51.57	7.95
2	5460.00	48.37 AV	54.00	-5.63	2.12 V	278	40.42	7.95
3	#5470.00	59.88 PK	68.20	-8.32	2.12 V	278	51.91	7.97
4	*5500.00	115.82 PK			2.12 V	278	107.81	8.01
5	*5500.00	105.97 AV			2.12 V	278	97.96	8.01
6	11000.00	55.61 PK	74.00	-18.39	1.50 V	129	39.72	15.89
7	11000.00	44.19 AV	54.00	-9.81	1.50 V	129	28.30	15.89
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.

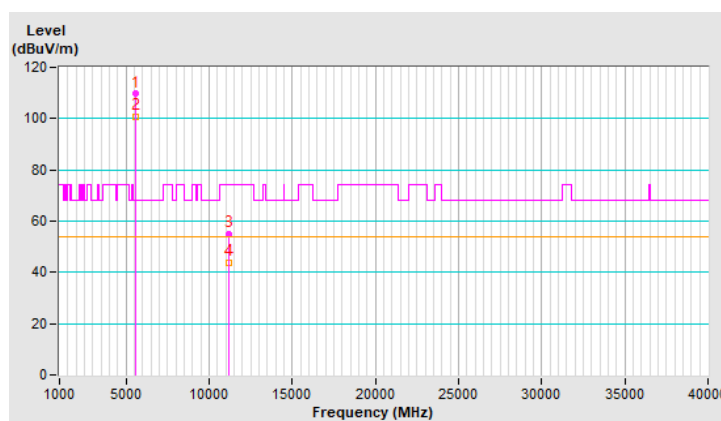


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	109.64 PK			1.81 H	312	102.10	7.54
2	*5580.00	100.72 AV			1.81 H	312	93.18	7.54
3	11160.00	54.91 PK	74.00	-19.09	1.64 H	310	38.86	16.05
4	11160.00	43.61 AV	54.00	-10.39	1.64 H	310	27.56	16.05
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.

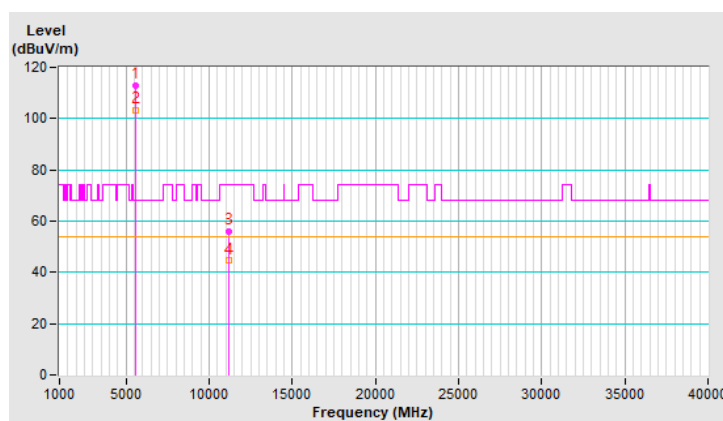


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	112.75 PK			2.28 V	289	105.21	7.54
2	*5580.00	103.35 AV			2.28 V	289	95.81	7.54
3	11160.00	55.83 PK	74.00	-18.17	1.48 V	132	39.78	16.05
4	11160.00	44.53 AV	54.00	-9.47	1.48 V	132	28.48	16.05
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.

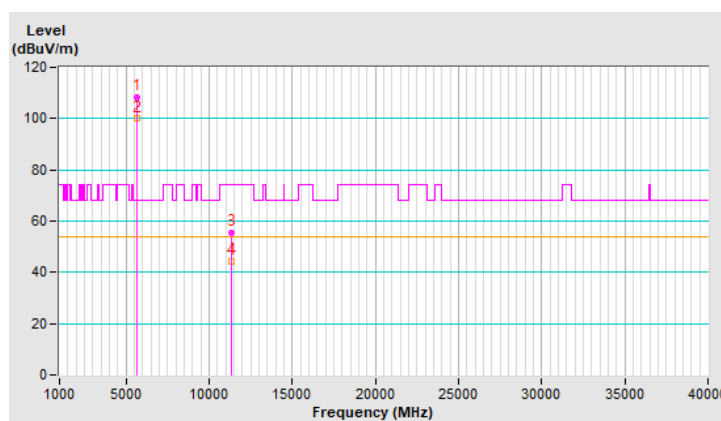


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 132 : 5660 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 10 月 26 日	測試者：	吳俊頤

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	*5660.00	108.48 PK			1.93 H	312	101.26	7.22
2	*5660.00	99.99 AV			1.93 H	312	92.77	7.22
3	11320.00	55.31 PK	74.00	-18.69	1.68 H	302	38.75	16.56
4	11320.00	44.10 AV	54.00	-9.90	1.68 H	302	27.54	16.56
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

Remarks:

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

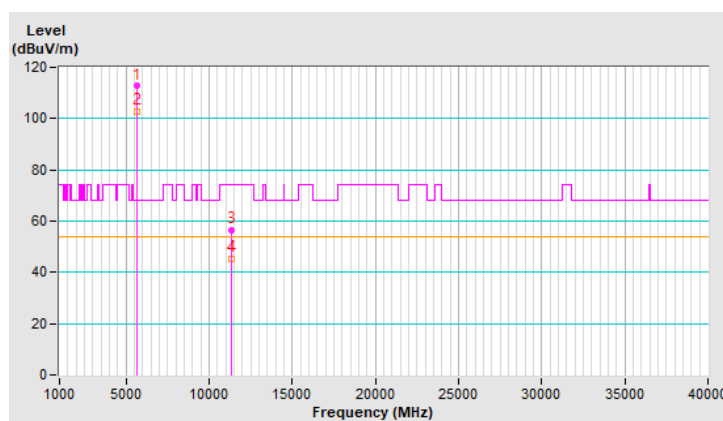


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 132 : 5660 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 10 月 26 日	測試者：	吳俊頤

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	*5660.00	112.63 PK			1.51 V	318	105.41	7.22
2	*5660.00	102.93 AV			1.51 V	318	95.71	7.22
3	11320.00	56.38 PK	74.00	-17.62	1.56 V	139	39.82	16.56
4	11320.00	45.09 AV	54.00	-8.91	1.56 V	139	28.53	16.56
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

Remarks:

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

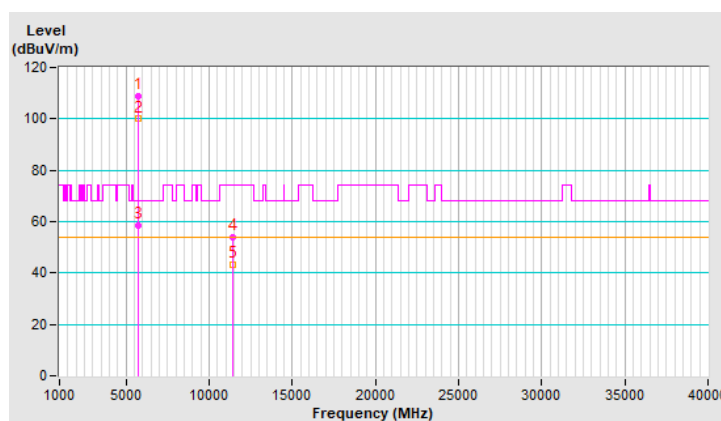


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 140：5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	108.91 PK			1.69 H	307	101.78	7.13
2	*5700.00	99.95 AV			1.69 H	307	92.82	7.13
3	#5725.00	58.32 PK	68.20	-9.88	1.69 H	307	51.15	7.17
4	11400.00	53.86 PK	74.00	-20.14	1.63 H	311	37.21	16.65
5	11400.00	43.13 AV	54.00	-10.87	1.63 H	311	26.48	16.65
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.

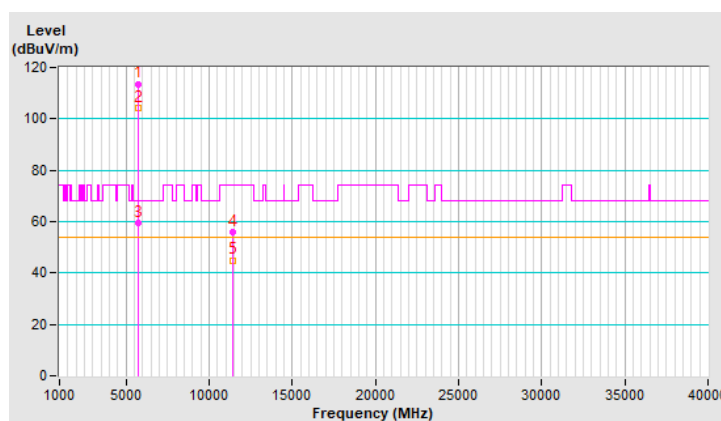


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	113.43 PK			2.16 V	273	106.30	7.13
2	*5700.00	104.05 AV			2.16 V	273	96.92	7.13
3	#5725.00	59.30 PK	68.20	-8.90	2.16 V	273	52.13	7.17
4	11400.00	55.76 PK	74.00	-18.24	1.50 V	133	39.11	16.65
5	11400.00	44.59 AV	54.00	-9.41	1.50 V	133	27.94	16.65
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.

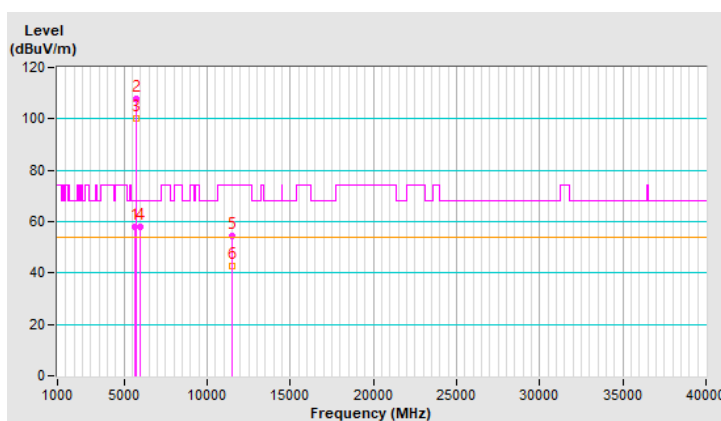


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5624.57	57.83 PK	68.20	-10.37	1.56 H	312	50.50	7.33
2	*5745.00	107.80 PK			1.56 H	312	100.59	7.21
3	*5745.00	100.03 AV			1.56 H	312	92.82	7.21
4	#5967.52	58.18 PK	68.20	-10.02	1.56 H	312	50.70	7.48
5	11490.00	54.61 PK	74.00	-19.39	1.62 H	310	37.85	16.76
6	11490.00	42.91 AV	54.00	-11.09	1.62 H	310	26.15	16.76
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

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

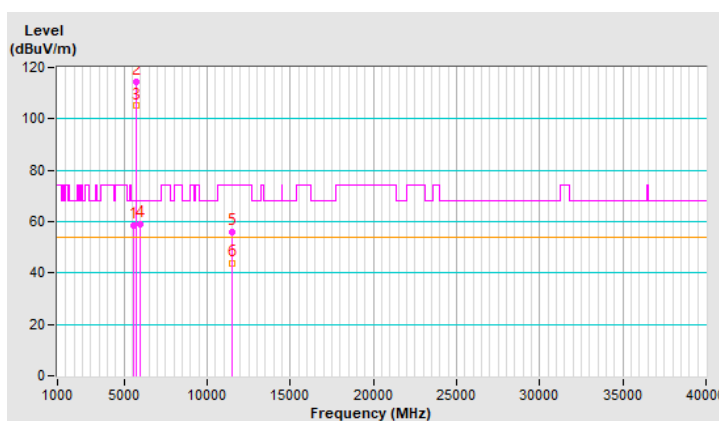


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5579.93	58.61 PK	68.20	-9.59	2.12 V	281	51.07	7.54
2	*5745.00	114.30 PK			2.12 V	281	107.09	7.21
3	*5745.00	105.08 AV			2.12 V	281	97.87	7.21
4	#5986.05	59.17 PK	68.20	-9.03	2.12 V	281	51.63	7.54
5	11490.00	55.85 PK	74.00	-18.15	1.72 V	222	39.09	16.76
6	11490.00	43.69 AV	54.00	-10.31	1.72 V	222	26.93	16.76
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

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

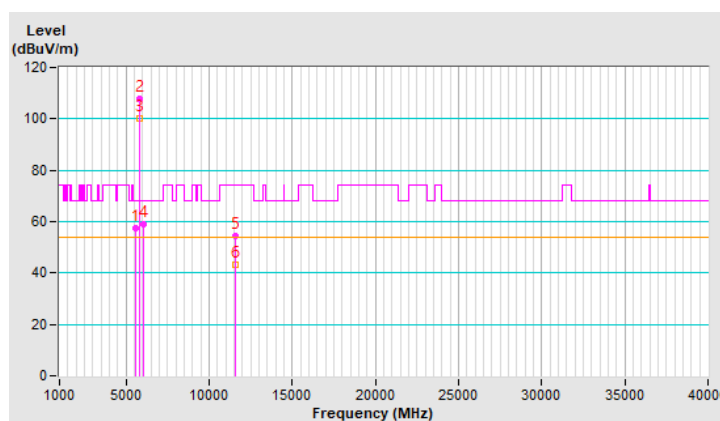


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5597.50	57.52 PK	68.20	-10.68	1.39 H	314	50.10	7.42
2	*5785.00	107.75 PK			1.39 H	314	100.47	7.28
3	*5785.00	100.15 AV			1.39 H	314	92.87	7.28
4	#6020.73	59.16 PK	68.20	-9.04	1.39 H	314	51.57	7.59
5	11570.00	54.64 PK	74.00	-19.36	1.69 H	309	37.65	16.99
6	11570.00	43.28 AV	54.00	-10.72	1.69 H	309	26.29	16.99
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

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

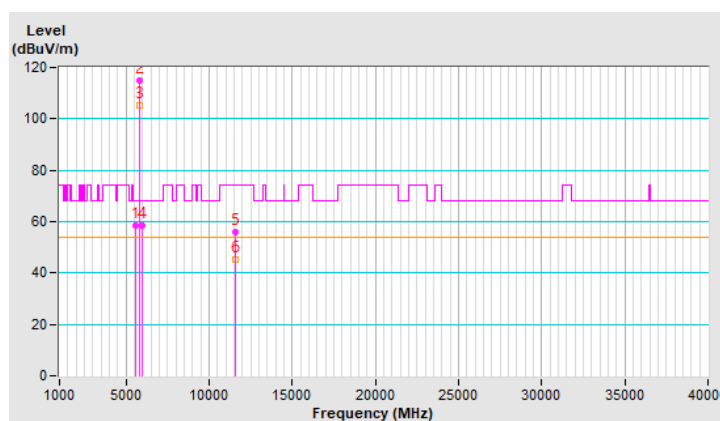


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5612.23	58.39 PK	68.20	-9.81	2.10 V	280	51.03	7.36
2	*5785.00	114.77 PK			2.10 V	280	107.49	7.28
3	*5785.00	105.31 AV			2.10 V	280	98.03	7.28
4	#5982.73	58.68 PK	68.20	-9.52	2.10 V	280	51.16	7.52
5	11570.00	56.01 PK	74.00	-17.99	1.58 V	311	39.02	16.99
6	11570.00	45.18 AV	54.00	-8.82	1.58 V	311	28.19	16.99
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

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

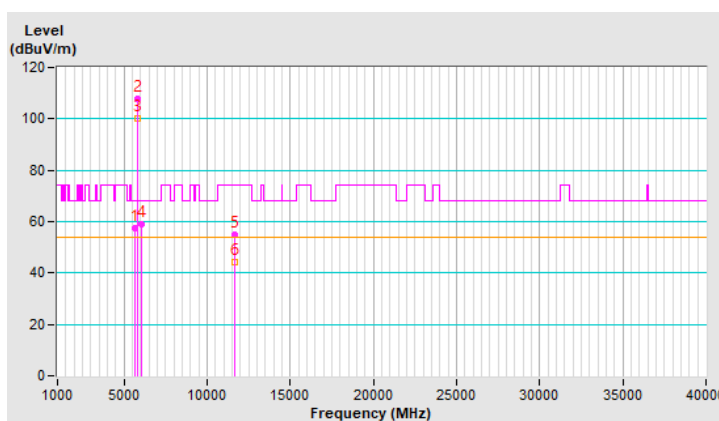


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5621.73	57.36 PK	68.20	-10.84	1.46 H	313	50.02	7.34
2	*5825.00	108.01 PK			1.46 H	313	100.73	7.28
3	*5825.00	100.25 AV			1.46 H	313	92.97	7.28
4	#6015.02	59.05 PK	68.20	-9.15	1.46 H	313	51.46	7.59
5	11650.00	54.93 PK	74.00	-19.07	1.67 H	303	37.69	17.24
6	11650.00	44.20 AV	54.00	-9.80	1.67 H	303	26.96	17.24
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

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

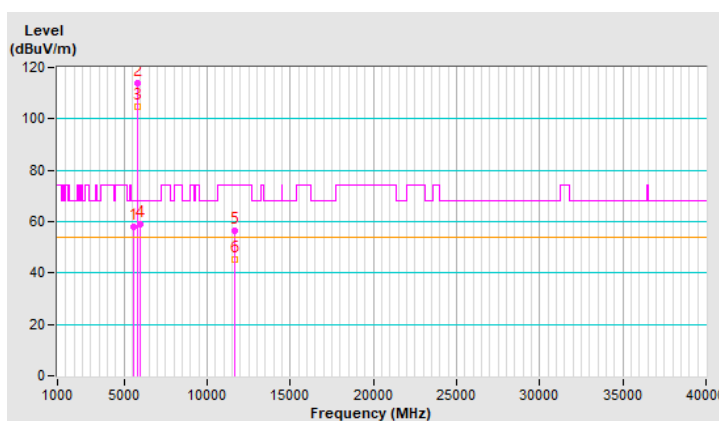


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5597.98	57.94 PK	68.20	-10.26	2.07 V	288	50.52	7.42
2	*5825.00	114.09 PK			2.07 V	288	106.81	7.28
3	*5825.00	104.89 AV			2.07 V	288	97.61	7.28
4	#5971.80	58.94 PK	68.20	-9.26	2.07 V	288	51.45	7.49
5	11650.00	56.55 PK	74.00	-17.45	1.60 V	309	39.31	17.24
6	11650.00	45.48 AV	54.00	-8.52	1.60 V	309	28.24	17.24
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

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

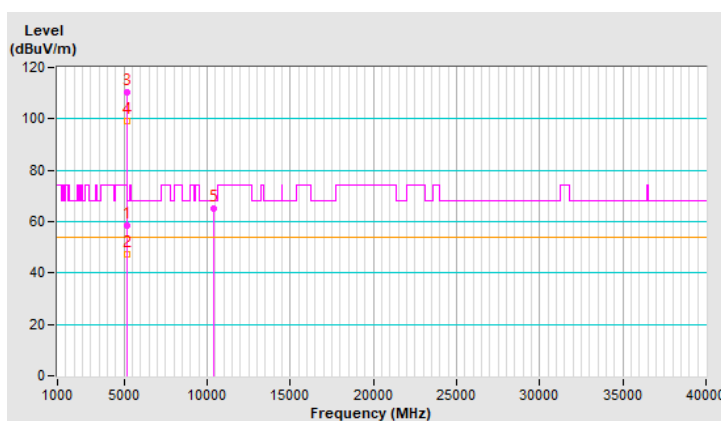


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

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	58.61 PK	74.00	-15.39	1.74 H	305	51.80	6.81
2	5150.00	47.40 AV	54.00	-6.60	1.74 H	305	40.59	6.81
3	*5180.00	110.35 PK			1.74 H	305	103.32	7.03
4	*5180.00	99.24 AV			1.74 H	305	92.21	7.03
5	#10360.00	64.96 PK	68.20	-3.24	1.82 H	141	50.40	14.56
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

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

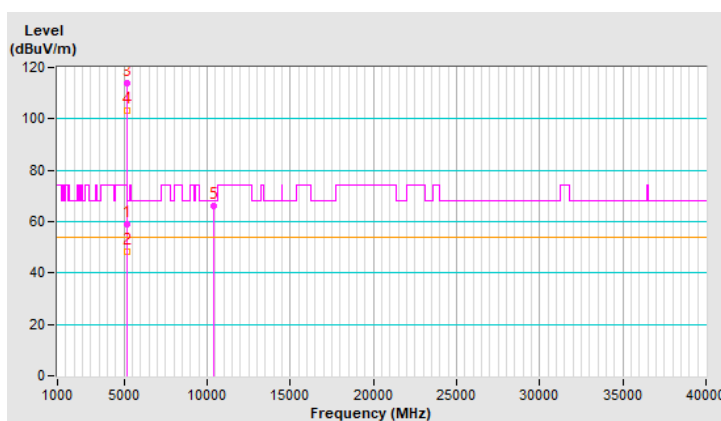


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

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	58.91 PK	74.00	-15.09	2.13 V	287	52.10	6.81
2	5150.00	48.21 AV	54.00	-5.79	2.13 V	287	41.40	6.81
3	*5180.00	114.14 PK			2.13 V	287	107.11	7.03
4	*5180.00	103.10 AV			2.13 V	287	96.07	7.03
5	#10360.00	66.11 PK	68.20	-2.09	1.60 V	138	51.55	14.56
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

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

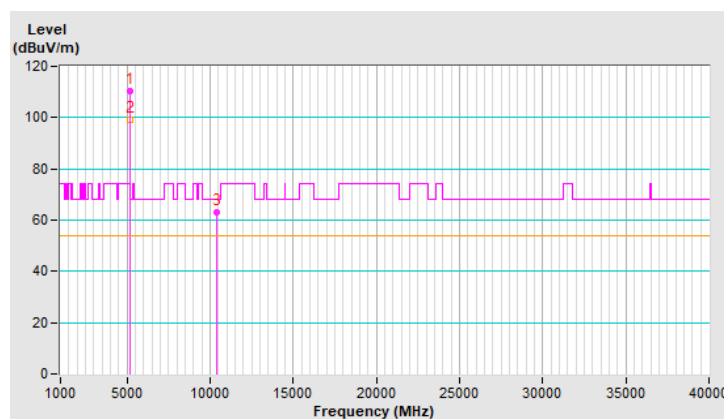


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	110.50 PK			1.56 H	302	103.33	7.17
2	*5200.00	99.33 AV			1.56 H	302	92.16	7.17
3	#10400.00	63.05 PK	68.20	-5.15	1.74 H	142	48.43	14.62
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

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

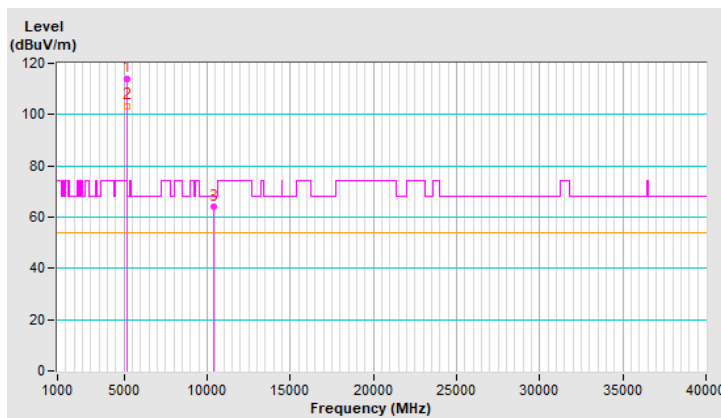


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 13 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	113.98 PK			2.12 V	288	106.81	7.17
2	*5200.00	103.13 AV			2.12 V	288	95.96	7.17
3	#10400.00	63.86 PK	68.20	-4.34	1.67 V	133	49.24	14.62
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

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

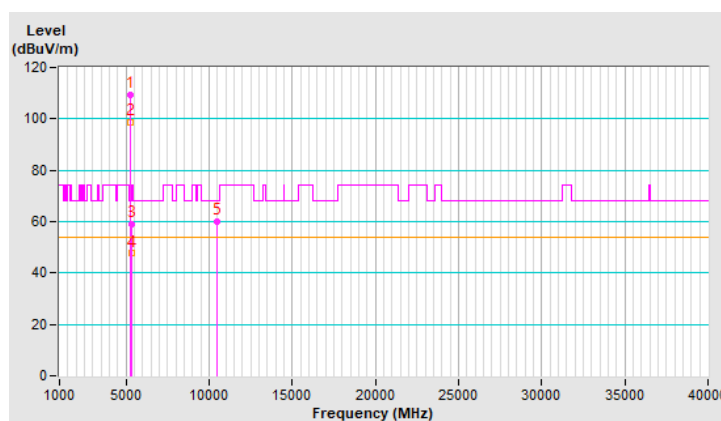


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	109.45 PK			1.71 H	301	102.11	7.34
2	*5240.00	98.80 AV			1.71 H	301	91.46	7.34
3	5350.00	58.88 PK	74.00	-15.12	1.71 H	301	51.04	7.84
4	5350.00	47.54 AV	54.00	-6.46	1.71 H	301	39.70	7.84
5	#10480.00	60.11 PK	68.20	-8.09	1.50 H	310	45.08	15.03
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

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

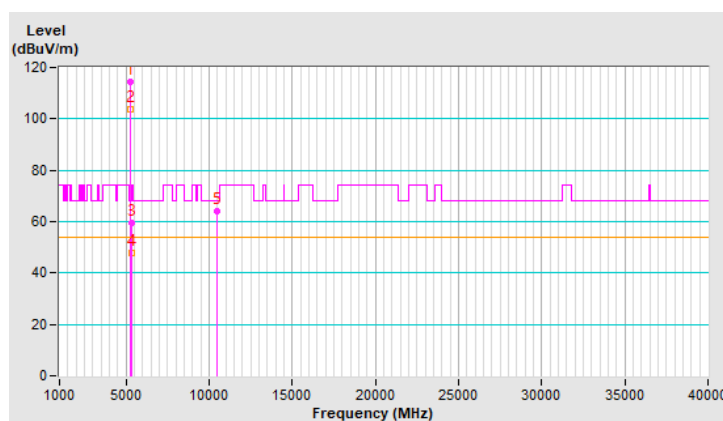


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	114.60 PK			2.08 V	284	107.26	7.34
2	*5240.00	103.93 AV			2.08 V	284	96.59	7.34
3	5350.00	59.34 PK	74.00	-14.66	2.08 V	284	51.50	7.84
4	5350.00	48.00 AV	54.00	-6.00	2.08 V	284	40.16	7.84
5	#10480.00	64.24 PK	68.20	-3.96	1.53 V	133	49.21	15.03
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

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

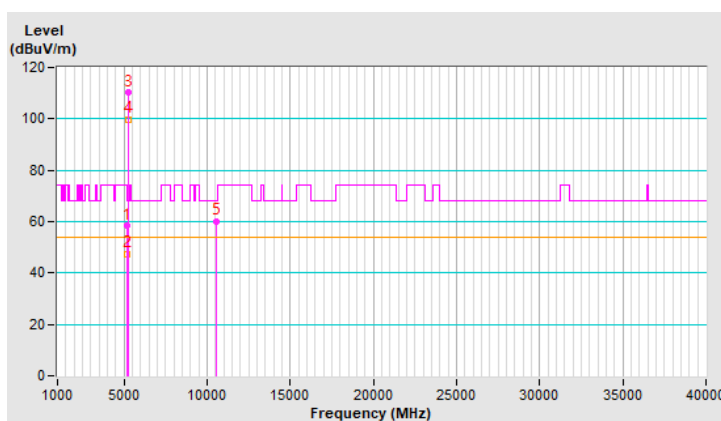


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	58.30 PK	74.00	-15.70	1.69 H	299	51.49	6.81
2	5150.00	47.34 AV	54.00	-6.66	1.69 H	299	40.53	6.81
3	*5260.00	110.12 PK			1.69 H	299	102.67	7.45
4	*5260.00	99.73 AV			1.69 H	299	92.28	7.45
5	#10520.00	59.92 PK	68.20	-8.28	1.65 H	307	44.76	15.16
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.

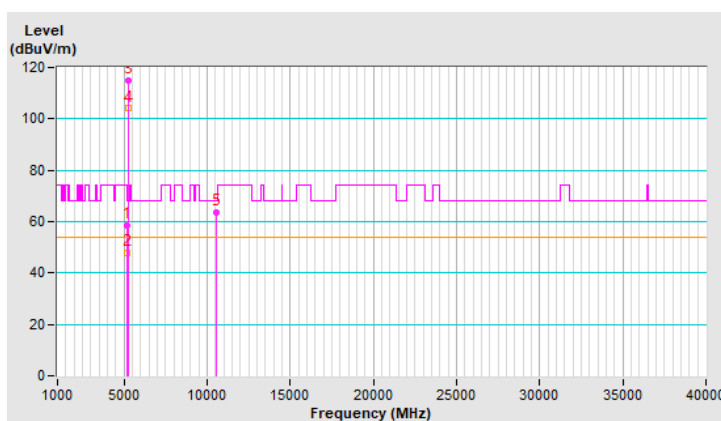


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	58.73 PK	74.00	-15.27	2.08 V	282	51.92	6.81
2	5150.00	47.84 AV	54.00	-6.16	2.08 V	282	41.03	6.81
3	*5260.00	115.11 PK			2.08 V	282	107.66	7.45
4	*5260.00	104.04 AV			2.08 V	282	96.59	7.45
5	#10520.00	63.73 PK	68.20	-4.47	1.59 V	133	48.57	15.16
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.

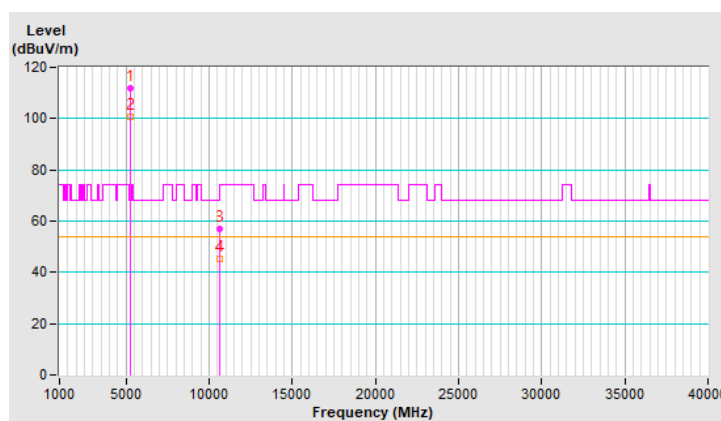


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	111.83 PK			1.68 H	308	104.09	7.74
2	*5300.00	100.84 AV			1.68 H	308	93.10	7.74
3	10600.00	56.97 PK	74.00	-17.03	1.63 H	305	41.66	15.31
4	10600.00	45.21 AV	54.00	-8.79	1.63 H	305	29.90	15.31
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.

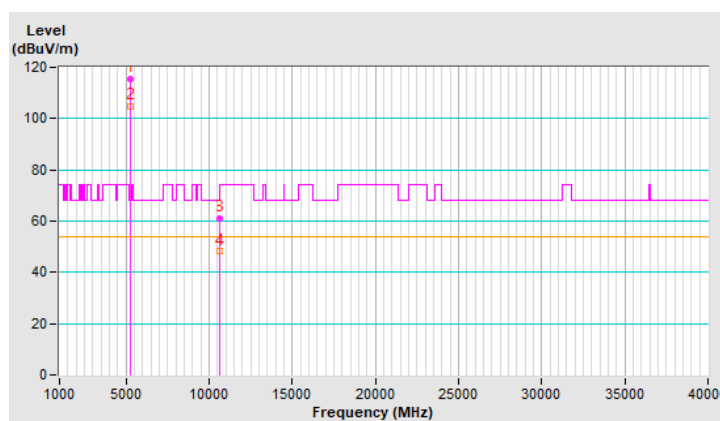


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	115.50 PK			2.05 V	282	107.76	7.74
2	*5300.00	104.64 AV			2.05 V	282	96.90	7.74
3	10600.00	60.97 PK	74.00	-13.03	1.66 V	127	45.66	15.31
4	10600.00	48.05 AV	54.00	-5.95	1.66 V	127	32.74	15.31
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.

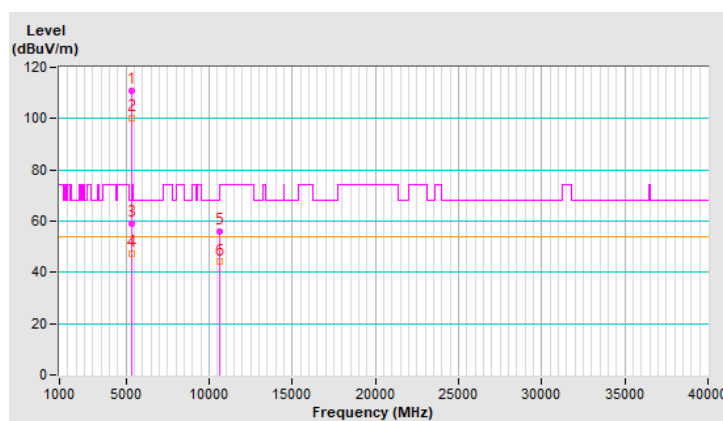


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	111.08 PK			1.60 H	312	103.30	7.78
2	*5320.00	100.19 AV			1.60 H	312	92.41	7.78
3	5350.00	59.05 PK	74.00	-14.95	1.60 H	312	51.21	7.84
4	5350.00	47.52 AV	54.00	-6.48	1.60 H	312	39.68	7.84
5	10640.00	55.89 PK	74.00	-18.11	1.73 H	323	40.48	15.41
6	10640.00	44.01 AV	54.00	-9.99	1.73 H	323	28.60	15.41
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.

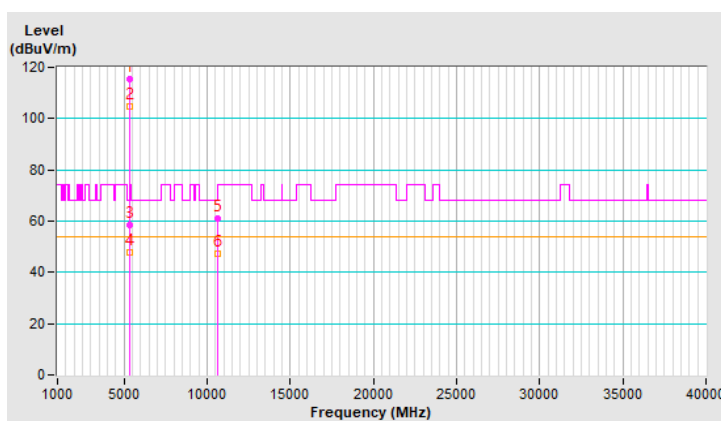


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頡

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	115.51 PK			2.15 V	283	107.73	7.78
2	*5320.00	104.66 AV			2.15 V	283	96.88	7.78
3	5350.00	58.66 PK	74.00	-15.34	2.15 V	283	50.82	7.84
4	5350.00	47.81 AV	54.00	-6.19	2.15 V	283	39.97	7.84
5	10640.00	60.86 PK	74.00	-13.14	1.65 V	130	45.45	15.41
6	10640.00	47.28 AV	54.00	-6.72	1.65 V	130	31.87	15.41
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.

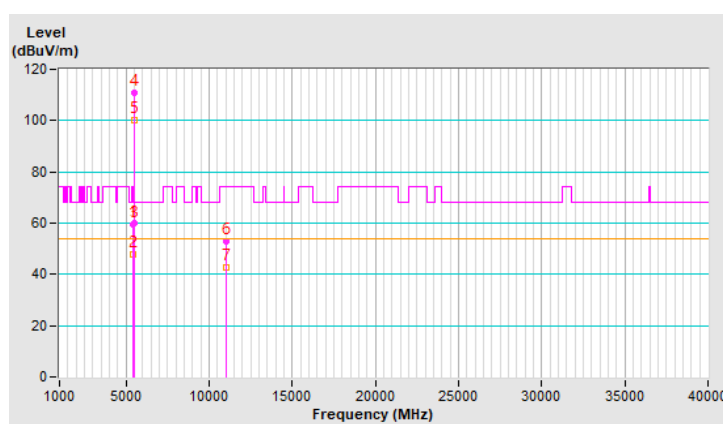


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 100 : 5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	59.62 PK	74.00	-14.38	1.69 H	311	51.67	7.95
2	5460.00	47.95 AV	54.00	-6.05	1.69 H	311	40.00	7.95
3	#5470.00	59.76 PK	68.20	-8.44	1.69 H	311	51.79	7.97
4	*5500.00	110.97 PK			1.69 H	311	102.96	8.01
5	*5500.00	100.09 AV			1.69 H	311	92.08	8.01
6	11000.00	53.11 PK	74.00	-20.89	1.61 H	296	37.22	15.89
7	11000.00	42.75 AV	54.00	-11.25	1.61 H	296	26.86	15.89
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.

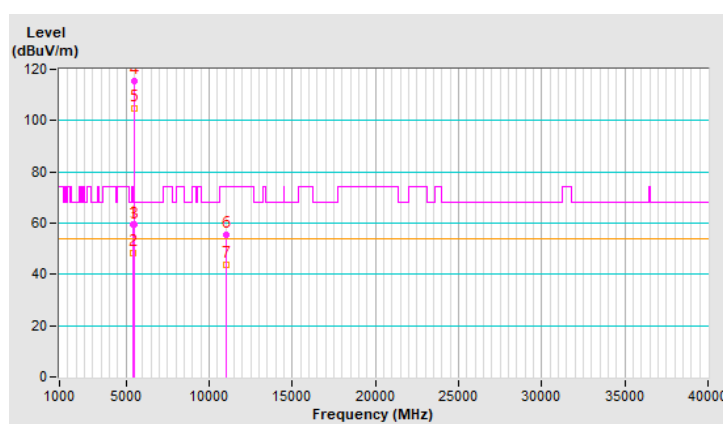


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	59.38 PK	74.00	-14.62	2.12 V	277	51.43	7.95
2	5460.00	48.25 AV	54.00	-5.75	2.12 V	277	40.30	7.95
3	#5470.00	59.30 PK	68.20	-8.90	2.12 V	277	51.33	7.97
4	*5500.00	115.67 PK			2.12 V	277	107.66	8.01
5	*5500.00	104.76 AV			2.12 V	277	96.75	8.01
6	11000.00	55.35 PK	74.00	-18.65	1.50 V	130	39.46	15.89
7	11000.00	43.72 AV	54.00	-10.28	1.50 V	130	27.83	15.89
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.

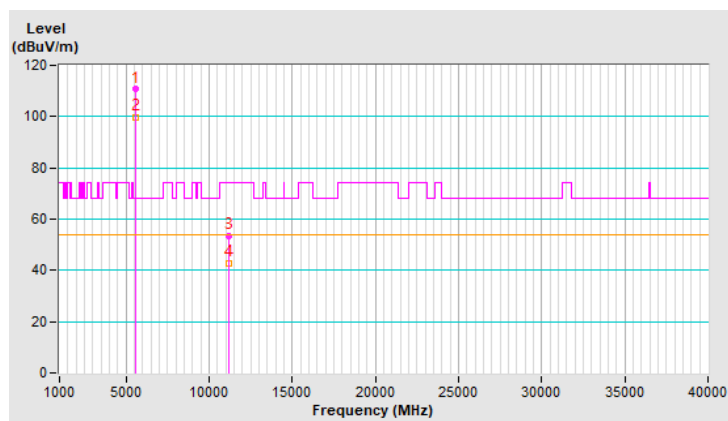


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	110.59 PK			1.73 H	311	103.05	7.54
2	*5580.00	99.51 AV			1.73 H	311	91.97	7.54
3	11160.00	53.23 PK	74.00	-20.77	1.58 H	302	37.18	16.05
4	11160.00	42.74 AV	54.00	-11.26	1.58 H	302	26.69	16.05
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.

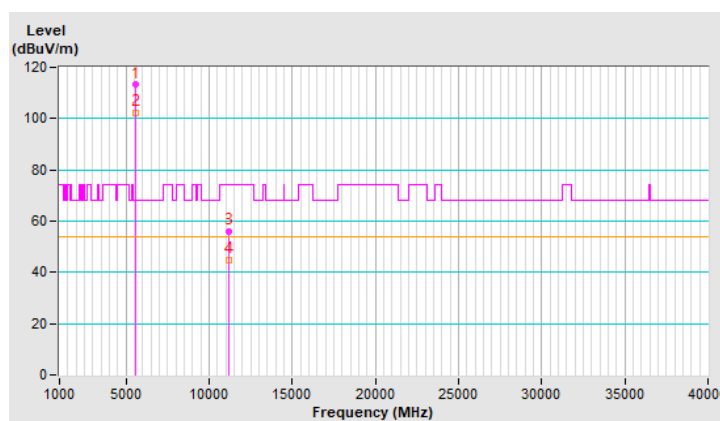


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	113.14 PK			2.19 V	290	105.60	7.54
2	*5580.00	102.21 AV			2.19 V	290	94.67	7.54
3	11160.00	55.91 PK	74.00	-18.09	1.47 V	132	39.86	16.05
4	11160.00	44.69 AV	54.00	-9.31	1.47 V	132	28.64	16.05
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.

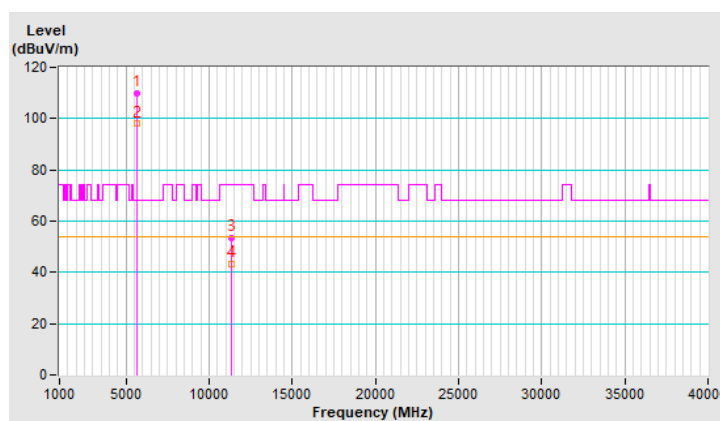


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 132 : 5660 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 10 月 26 日	測試者：	吳俊穎

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	*5660.00	109.83 PK			1.93 H	313	102.61	7.22
2	*5660.00	97.93 AV			1.93 H	313	90.71	7.22
3	11320.00	53.61 PK	74.00	-20.39	1.60 H	296	37.05	16.56
4	11320.00	43.19 AV	54.00	-10.81	1.60 H	296	26.63	16.56
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

Remarks:

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

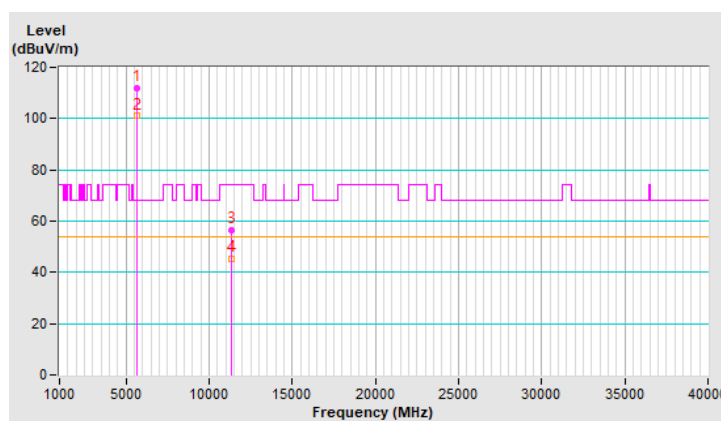


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 132 : 5660 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 10 月 26 日	測試者：	吳俊穎

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	*5660.00	112.02 PK			2.06 V	319	104.80	7.22
2	*5660.00	100.99 AV			2.06 V	319	93.77	7.22
3	11320.00	56.32 PK	74.00	-17.68	1.52 V	136	39.76	16.56
4	11320.00	45.14 AV	54.00	-8.86	1.52 V	136	28.58	16.56
5	#16980.00	-	-	-	-	-	-	-
6	22640.00	-	-	-	-	-	-	-
7	#28300.00	-	-	-	-	-	-	-
8	#33960.00	-	-	-	-	-	-	-
9	39620.00	-	-	-	-	-	-	-

Remarks:

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

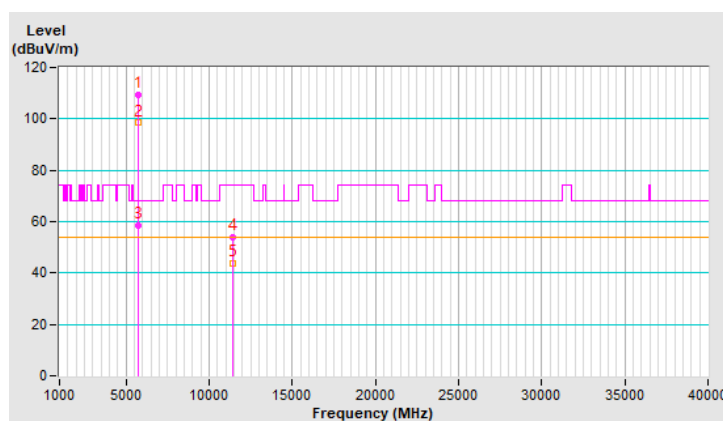


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 140：5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊穎

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	109.47 PK			1.68 H	307	102.34	7.13
2	*5700.00	98.46 AV			1.68 H	307	91.33	7.13
3	#5725.00	58.71 PK	68.20	-9.49	1.68 H	307	51.54	7.17
4	11400.00	53.90 PK	74.00	-20.10	1.59 H	299	37.25	16.65
5	11400.00	43.60 AV	54.00	-10.40	1.59 H	299	26.95	16.65
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.

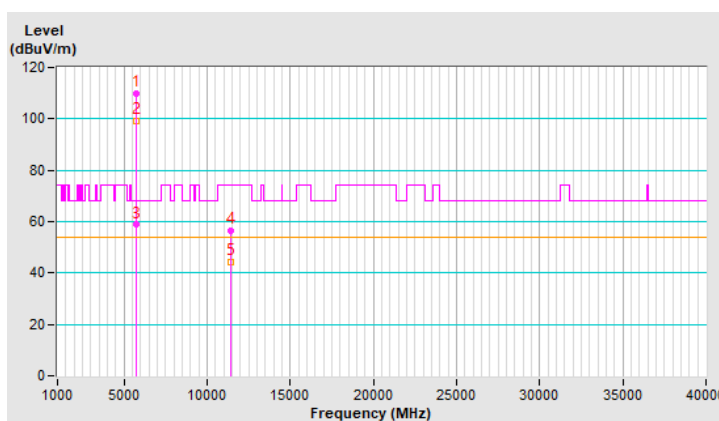


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	109.85 PK			1.99 V	313	102.72	7.13
2	*5700.00	98.99 AV			1.99 V	313	91.86	7.13
3	#5725.00	58.74 PK	68.20	-9.46	1.99 V	313	51.57	7.17
4	11400.00	56.28 PK	74.00	-17.72	1.49 V	136	39.63	16.65
5	11400.00	44.42 AV	54.00	-9.58	1.49 V	136	27.77	16.65
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.

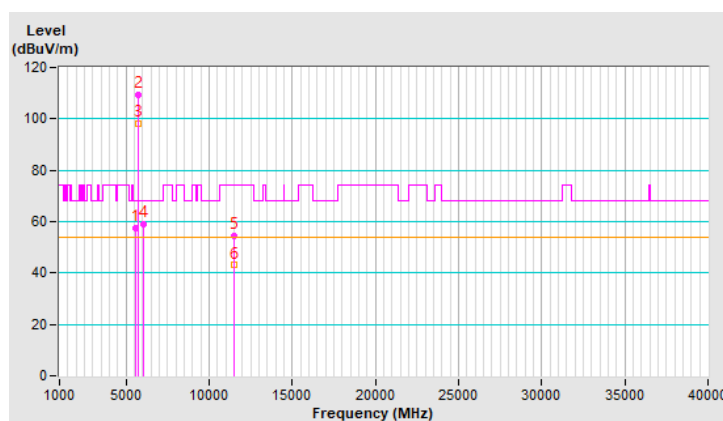


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5595.12	57.56 PK	68.20	-10.64	1.48 H	312	50.12	7.44
2	*5745.00	109.36 PK			1.48 H	312	102.15	7.21
3	*5745.00	98.30 AV			1.48 H	312	91.09	7.21
4	#6013.60	58.86 PK	68.20	-9.34	1.48 H	312	51.27	7.59
5	11490.00	54.43 PK	74.00	-19.57	1.68 H	305	37.67	16.76
6	11490.00	42.97 AV	54.00	-11.03	1.68 H	305	26.21	16.76
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

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

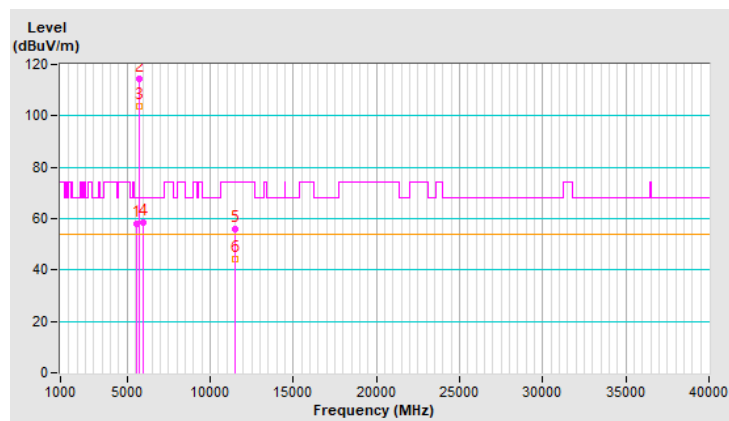


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5554.27	58.11 PK	68.20	-10.09	2.10 V	280	50.42	7.69
2	*5745.00	114.59 PK			2.10 V	280	107.38	7.21
3	*5745.00	103.69 AV			2.10 V	280	96.48	7.21
4	#5960.87	58.48 PK	68.20	-9.72	2.10 V	280	51.03	7.45
5	11490.00	56.02 PK	74.00	-17.98	1.70 V	218	39.26	16.76
6	11490.00	44.33 AV	54.00	-9.67	1.70 V	218	27.57	16.76
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

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

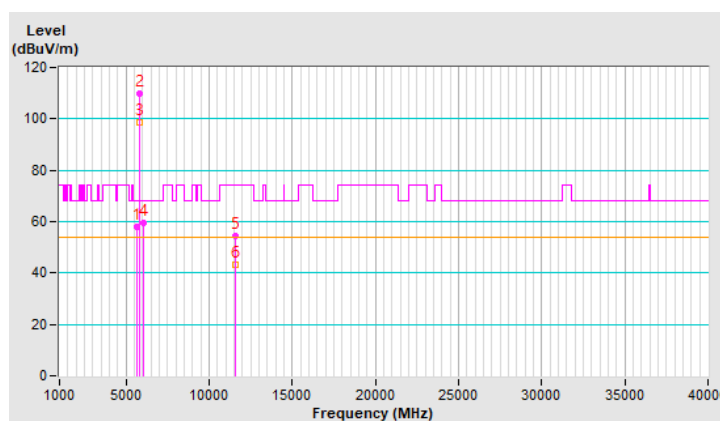


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5638.35	57.97 PK	68.20	-10.23	1.47 H	311	50.69	7.28
2	*5785.00	109.75 PK			1.47 H	311	102.47	7.28
3	*5785.00	98.65 AV			1.47 H	311	91.37	7.28
4	#6024.05	59.71 PK	68.20	-8.49	1.47 H	311	52.12	7.59
5	11570.00	54.40 PK	74.00	-19.60	1.66 H	313	37.41	16.99
6	11570.00	43.29 AV	54.00	-10.71	1.66 H	313	26.30	16.99
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

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

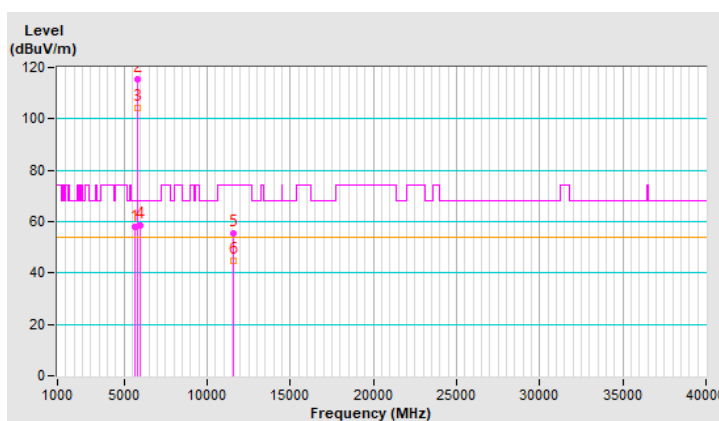


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5618.87	57.75 PK	68.20	-10.45	2.18 V	281	50.41	7.34
2	*5785.00	115.40 PK			2.18 V	281	108.12	7.28
3	*5785.00	104.20 AV			2.18 V	281	96.92	7.28
4	#5999.82	58.55 PK	68.20	-9.65	2.18 V	281	50.97	7.58
5	11570.00	55.65 PK	74.00	-18.35	1.55 V	304	38.66	16.99
6	11570.00	44.97 AV	54.00	-9.03	1.55 V	304	27.98	16.99
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

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

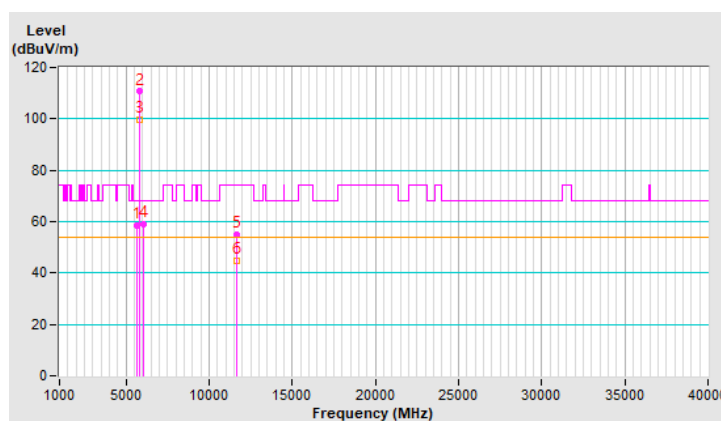


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 165：5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5625.05	58.42 PK	68.20	-9.78	1.46 H	312	51.10	7.32
2	*5825.00	110.63 PK			1.46 H	312	103.35	7.28
3	*5825.00	99.50 AV			1.46 H	312	92.22	7.28
4	#6020.25	59.02 PK	68.20	-9.18	1.46 H	312	51.43	7.59
5	11650.00	54.96 PK	74.00	-19.04	1.62 H	315	37.72	17.24
6	11650.00	44.73 AV	54.00	-9.27	1.62 H	315	27.49	17.24
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

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

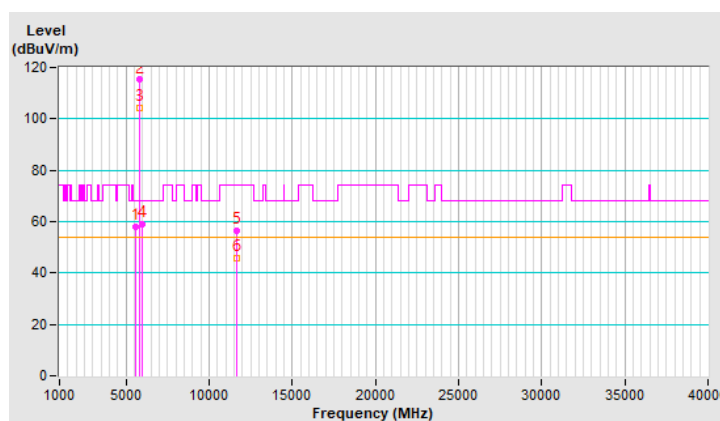


操作模式：	發射 802.11ax (HE20)	調變技術：	OFDMA
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5598.93	58.18 PK	68.20	-10.02	2.08 V	289	50.77	7.41
2	*5825.00	115.23 PK			2.08 V	289	107.95	7.28
3	*5825.00	104.19 AV			2.08 V	289	96.91	7.28
4	#5956.60	59.13 PK	68.20	-9.07	2.08 V	289	51.68	7.45
5	11650.00	56.43 PK	74.00	-17.57	1.59 V	307	39.19	17.24
6	11650.00	45.69 AV	54.00	-8.31	1.59 V	307	28.45	17.24
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

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

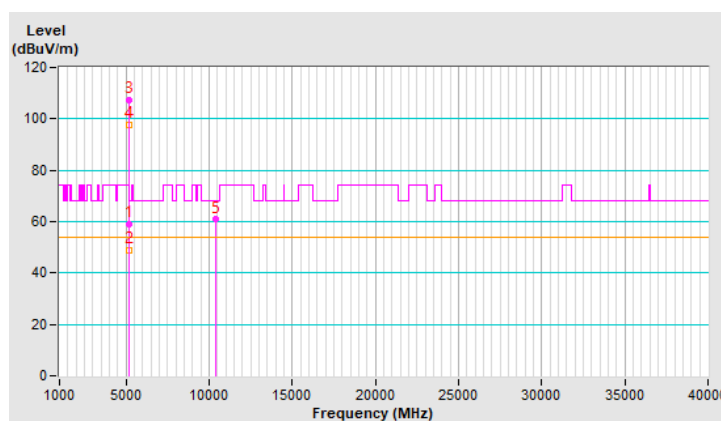


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	59.16 PK	74.00	-14.84	1.73 H	303	52.35	6.81
2	5150.00	48.76 AV	54.00	-5.24	1.73 H	303	41.95	6.81
3	*5190.00	107.46 PK			1.73 H	303	100.35	7.11
4	*5190.00	97.46 AV			1.73 H	303	90.35	7.11
5	#10380.00	60.79 PK	68.20	-7.41	1.81 H	142	46.20	14.59
6	15570.00	-	-	-	-	-	-	-
7	20760.00	-	-	-	-	-	-	-
8	#25950.00	-	-	-	-	-	-	-
9	#31140.00	-	-	-	-	-	-	-
10	#36330.00	-	-	-	-	-	-	-

Remarks:

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

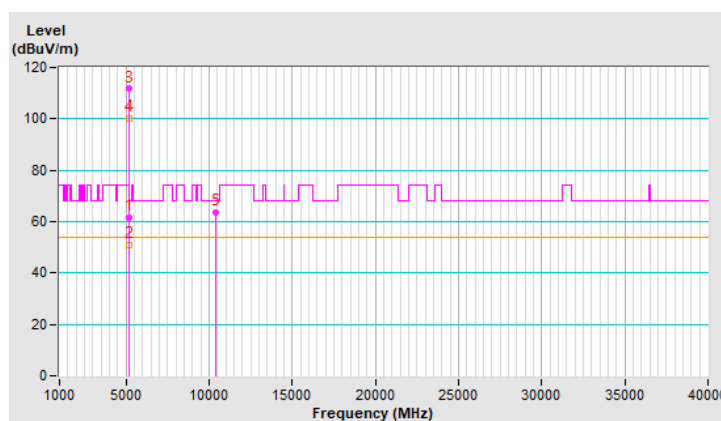


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 38 : 5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	61.65 PK	74.00	-12.35	2.13 V	285	54.84	6.81
2	5150.00	50.76 AV	54.00	-3.24	2.13 V	285	43.95	6.81
3	*5190.00	111.65 PK			2.13 V	285	104.54	7.11
4	*5190.00	100.31 AV			2.13 V	285	93.20	7.11
5	#10380.00	63.54 PK	68.20	-4.66	1.63 V	130	48.95	14.59
6	15570.00	-	-	-	-	-	-	-
7	20760.00	-	-	-	-	-	-	-
8	#25950.00	-	-	-	-	-	-	-
9	#31140.00	-	-	-	-	-	-	-
10	#36330.00	-	-	-	-	-	-	-

Remarks:

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

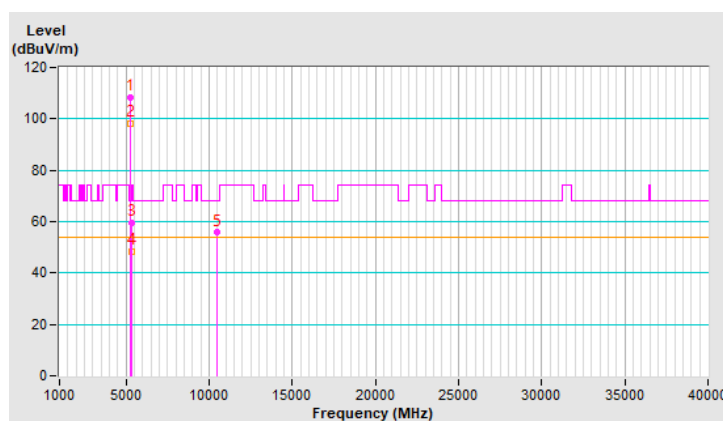


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	108.26 PK			1.71 H	306	100.96	7.30
2	*5230.00	98.11 AV			1.71 H	306	90.81	7.30
3	5350.00	59.33 PK	74.00	-14.67	1.71 H	306	51.49	7.84
4	5350.00	48.43 AV	54.00	-5.57	1.71 H	306	40.59	7.84
5	#10460.00	55.69 PK	68.20	-12.51	1.50 H	310	40.76	14.93
6	15690.00	-	-	-	-	-	-	-
7	20920.00	-	-	-	-	-	-	-
8	#26150.00	-	-	-	-	-	-	-
9	31380.00	-	-	-	-	-	-	-
10	#36610.00	-	-	-	-	-	-	-

Remarks:

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

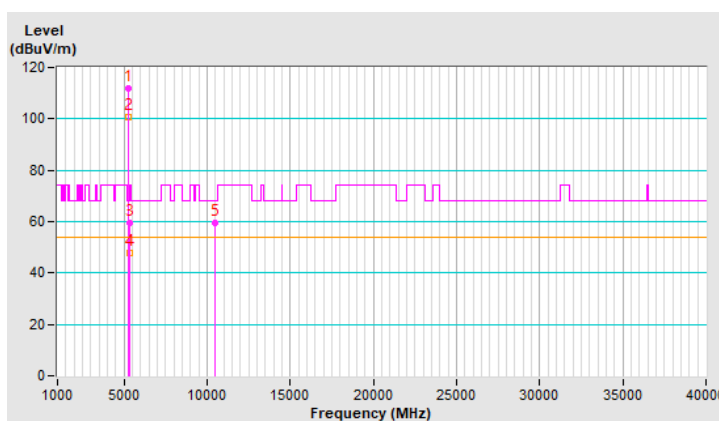


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	112.05 PK			2.27 V	279	104.75	7.30
2	*5230.00	100.75 AV			2.27 V	279	93.45	7.30
3	5350.00	59.53 PK	74.00	-14.47	2.27 V	279	51.69	7.84
4	5350.00	47.95 AV	54.00	-6.05	2.27 V	279	40.11	7.84
5	#10460.00	59.35 PK	68.20	-8.85	1.57 V	133	44.42	14.93
6	15690.00	-	-	-	-	-	-	-
7	20920.00	-	-	-	-	-	-	-
8	#26150.00	-	-	-	-	-	-	-
9	31380.00	-	-	-	-	-	-	-
10	#36610.00	-	-	-	-	-	-	-

Remarks:

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

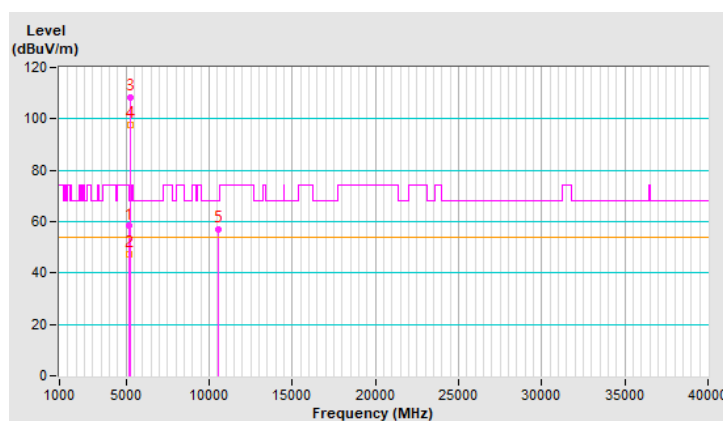


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 54 : 5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊穎

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	58.27 PK	74.00	-15.73	1.46 H	298	51.46	6.81
2	5150.00	47.35 AV	54.00	-6.65	1.46 H	298	40.54	6.81
3	*5270.00	108.32 PK			1.46 H	298	100.80	7.52
4	*5270.00	97.81 AV			1.46 H	298	90.29	7.52
5	#10540.00	57.18 PK	68.20	-11.02	1.59 H	307	41.98	15.20
6	15810.00	-	-	-	-	-	-	-
7	21080.00	-	-	-	-	-	-	-
8	#26350.00	-	-	-	-	-	-	-
9	31620.00	-	-	-	-	-	-	-
10	#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.

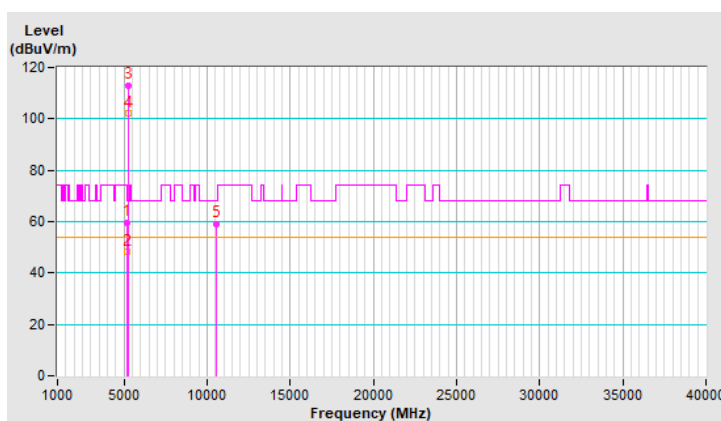


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 54：5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	59.47 PK	74.00	-14.53	2.17 V	282	52.66	6.81
2	5150.00	48.07 AV	54.00	-5.93	2.17 V	282	41.26	6.81
3	*5270.00	113.11 PK			2.17 V	282	105.59	7.52
4	*5270.00	102.03 AV			2.17 V	282	94.51	7.52
5	#10540.00	58.91 PK	68.20	-9.29	1.18 V	291	43.71	15.20
6	15810.00	-	-	-	-	-	-	-
7	21080.00	-	-	-	-	-	-	-
8	#26350.00	-	-	-	-	-	-	-
9	31620.00	-	-	-	-	-	-	-
10	#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.

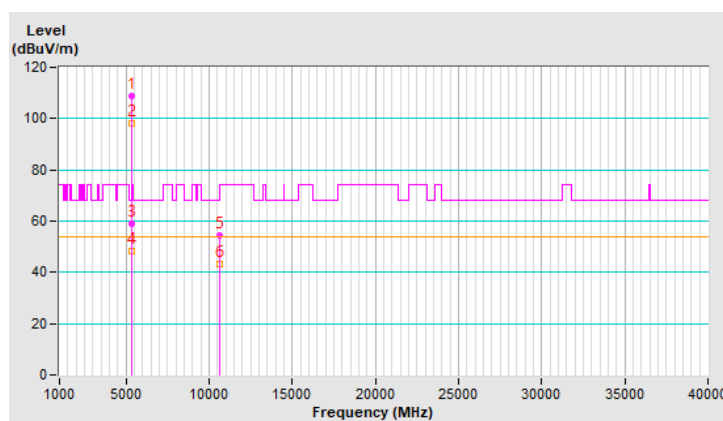


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 62：5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	108.90 PK			1.60 H	311	101.14	7.76
2	*5310.00	98.20 AV			1.60 H	311	90.44	7.76
3	5350.00	59.02 PK	74.00	-14.98	1.60 H	311	51.18	7.84
4	5350.00	48.26 AV	54.00	-5.74	1.60 H	311	40.42	7.84
5	10620.00	54.32 PK	74.00	-19.68	1.68 H	305	38.96	15.36
6	10620.00	43.21 AV	54.00	-10.79	1.68 H	305	27.85	15.36
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.

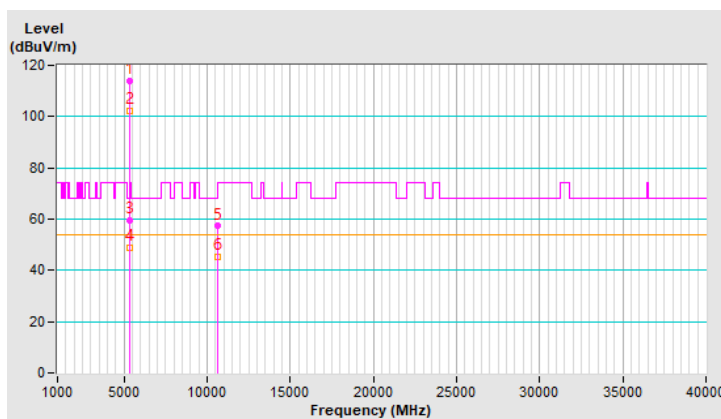


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 62：5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	113.79 PK			1.97 V	282	106.03	7.76
2	*5310.00	102.31 AV			1.97 V	282	94.55	7.76
3	5350.00	59.52 PK	74.00	-14.48	1.97 V	282	51.68	7.84
4	5350.00	48.79 AV	54.00	-5.21	1.97 V	282	40.95	7.84
5	10620.00	57.28 PK	74.00	-16.72	1.62 V	128	41.92	15.36
6	10620.00	45.31 AV	54.00	-8.69	1.62 V	128	29.95	15.36
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.

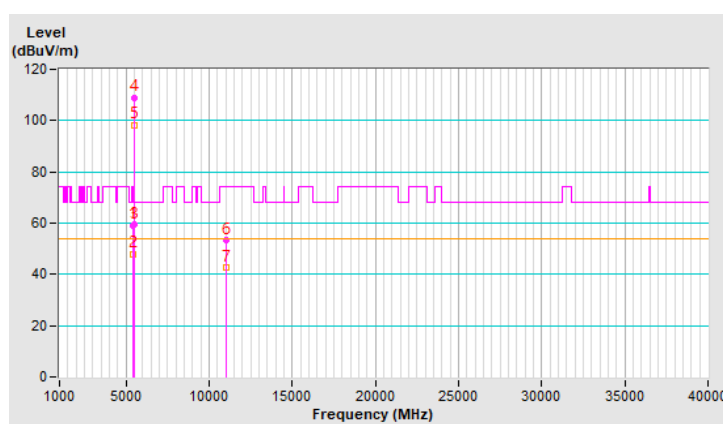


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	58.84 PK	74.00	-15.16	1.93 H	311	50.89	7.95
2	5460.00	47.97 AV	54.00	-6.03	1.93 H	311	40.02	7.95
3	#5470.00	59.25 PK	68.20	-8.95	1.93 H	311	51.28	7.97
4	*5510.00	108.65 PK			1.93 H	311	100.70	7.95
5	*5510.00	98.06 AV			1.93 H	311	90.11	7.95
6	11020.00	53.14 PK	74.00	-20.86	1.64 H	298	37.24	15.90
7	11020.00	42.51 AV	54.00	-11.49	1.64 H	298	26.61	15.90
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.

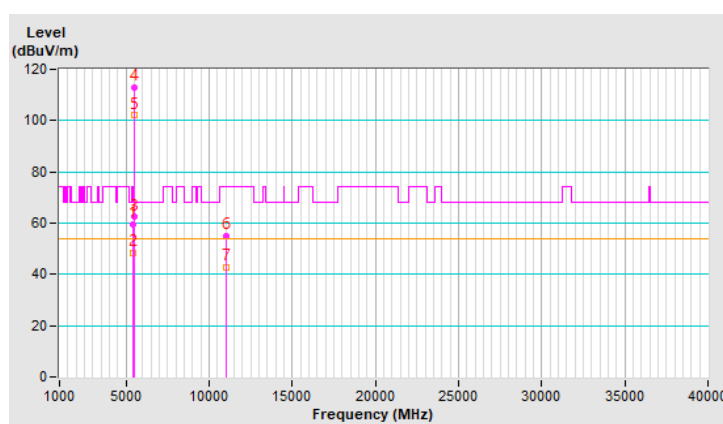


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	59.55 PK	74.00	-14.45	2.11 V	279	51.60	7.95
2	5460.00	48.30 AV	54.00	-5.70	2.11 V	279	40.35	7.95
3	#5470.00	62.37 PK	68.20	-5.83	2.11 V	279	54.40	7.97
4	*5510.00	112.95 PK			2.11 V	279	105.00	7.95
5	*5510.00	102.00 AV			2.11 V	279	94.05	7.95
6	11020.00	54.90 PK	74.00	-19.10	1.56 V	127	39.00	15.90
7	11020.00	42.95 AV	54.00	-11.05	1.56 V	127	27.05	15.90
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.

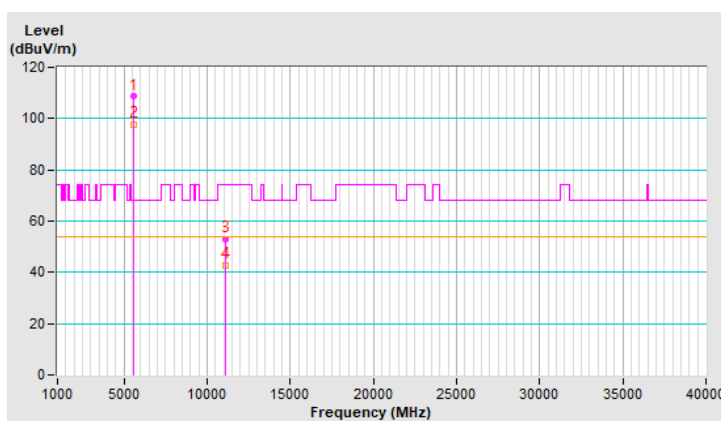


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	108.59 PK			1.76 H	311	100.87	7.72
2	*5550.00	97.60 AV			1.76 H	311	89.88	7.72
3	11100.00	53.11 PK	74.00	-20.89	1.60 H	298	37.16	15.95
4	11100.00	42.88 AV	54.00	-11.12	1.60 H	298	26.93	15.95
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.

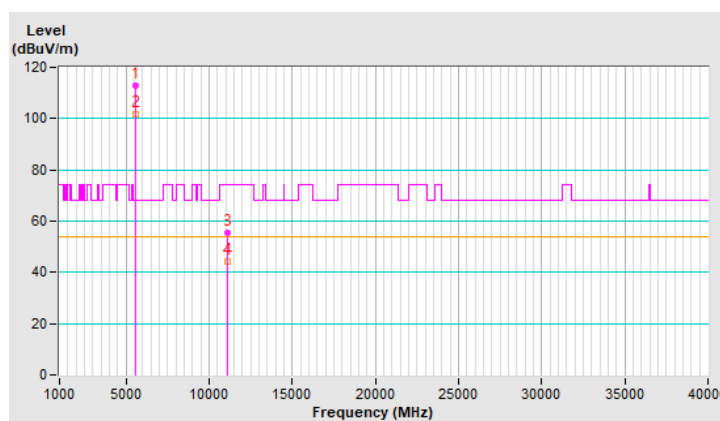


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	112.79 PK			2.09 V	281	105.07	7.72
2	*5550.00	101.72 AV			2.09 V	281	94.00	7.72
3	11100.00	55.27 PK	74.00	-18.73	1.56 V	131	39.32	15.95
4	11100.00	44.09 AV	54.00	-9.91	1.56 V	131	28.14	15.95
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.

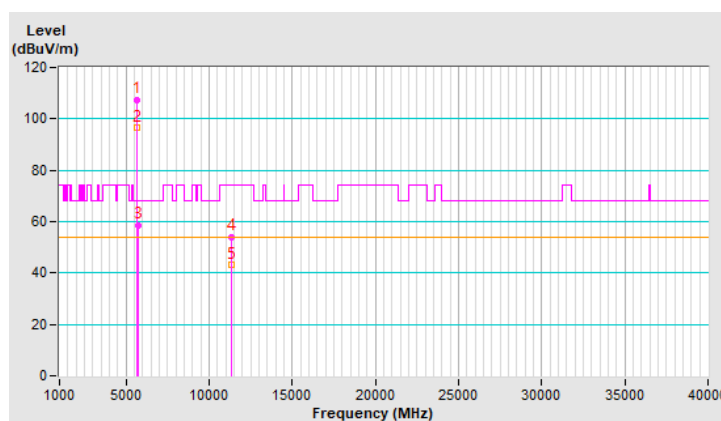


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊穎

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	107.49 PK			1.63 H	308	100.29	7.20
2	*5670.00	96.37 AV			1.63 H	308	89.17	7.20
3	#5725.00	58.65 PK	68.20	-9.55	1.63 H	308	51.48	7.17
4	11340.00	53.83 PK	74.00	-20.17	1.65 H	303	37.26	16.57
5	11340.00	43.02 AV	54.00	-10.98	1.65 H	303	26.45	16.57
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.

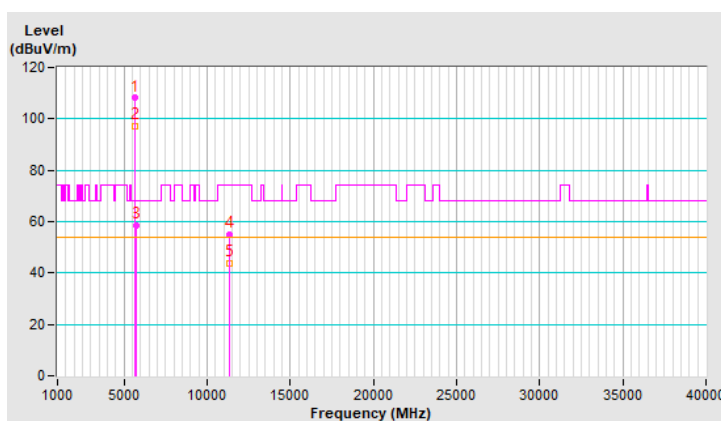


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	108.12 PK			2.37 V	256	100.92	7.20
2	*5670.00	97.08 AV			2.37 V	256	89.88	7.20
3	#5725.00	58.49 PK	68.20	-9.71	2.37 V	256	51.32	7.17
4	11340.00	55.14 PK	74.00	-18.86	1.48 V	129	38.57	16.57
5	11340.00	43.88 AV	54.00	-10.12	1.48 V	129	27.31	16.57
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.

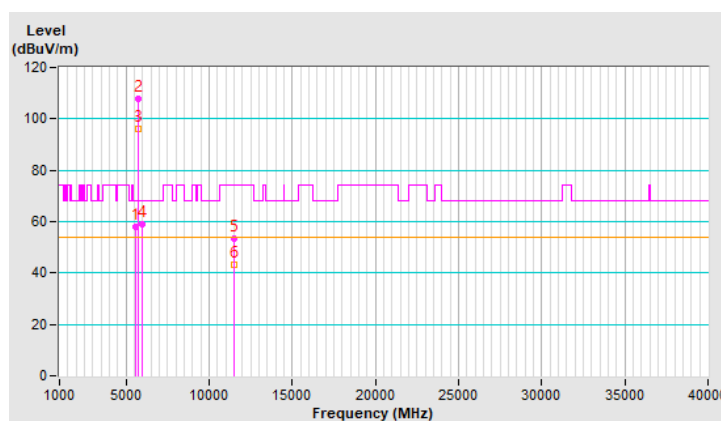


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 16 日	測試者：	吳俊頤

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	#5615.07	58.08 PK	68.20	-10.12	1.56 H	313	50.72	7.36
2	*5755.00	107.80 PK			1.56 H	313	100.58	7.22
3	*5755.00	96.27 AV			1.56 H	313	89.05	7.22
4	#5993.65	59.15 PK	68.20	-9.05	1.56 H	313	51.60	7.55
5	11510.00	53.40 PK	74.00	-20.60	1.64 H	299	36.59	16.81
6	11510.00	43.09 AV	54.00	-10.91	1.64 H	299	26.28	16.81
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

Remarks:

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

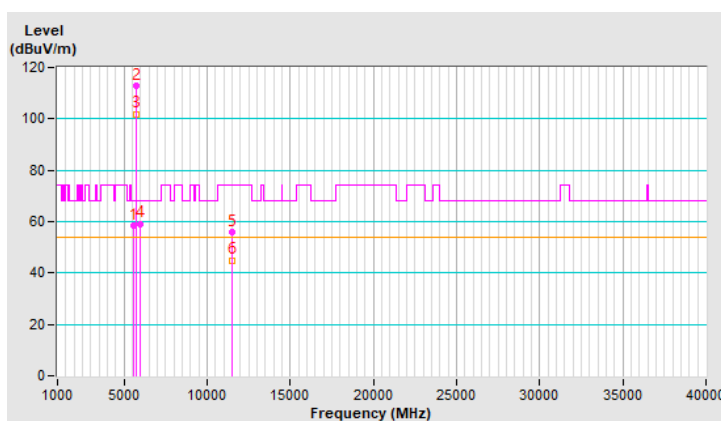


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	#5593.70	58.28 PK	68.20	-9.92	2.02 V	281	50.83	7.45
2	*5755.00	112.69 PK			2.02 V	281	105.47	7.22
3	*5755.00	101.72 AV			2.02 V	281	94.50	7.22
4	#5936.65	58.99 PK	68.20	-9.21	2.02 V	281	51.64	7.35
5	11510.00	55.69 PK	74.00	-18.31	1.57 V	296	38.88	16.81
6	11510.00	44.96 AV	54.00	-9.04	1.57 V	296	28.15	16.81
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

Remarks:

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

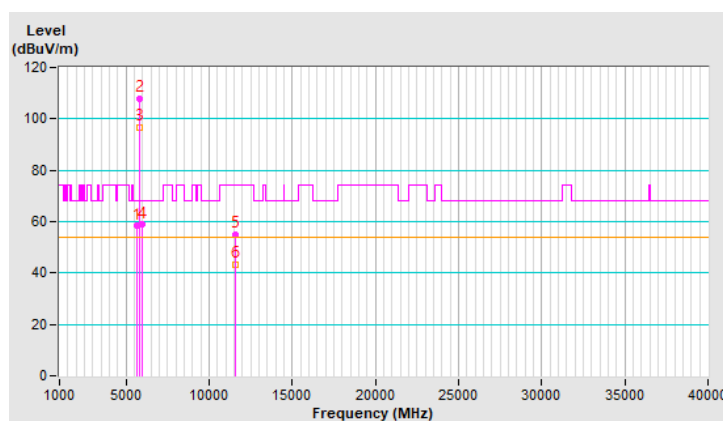


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 16 日	測試者：	吳俊頤

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	#5638.82	58.28 PK	68.20	-9.92	1.54 H	313	51.00	7.28
2	*5795.00	107.86 PK			1.54 H	313	100.56	7.30
3	*5795.00	96.55 AV			1.54 H	313	89.25	7.30
4	#5996.02	58.75 PK	68.20	-9.45	1.54 H	313	51.17	7.58
5	11590.00	54.78 PK	74.00	-19.22	1.64 H	304	37.74	17.04
6	11590.00	43.41 AV	54.00	-10.59	1.64 H	304	26.37	17.04
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

Remarks:

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

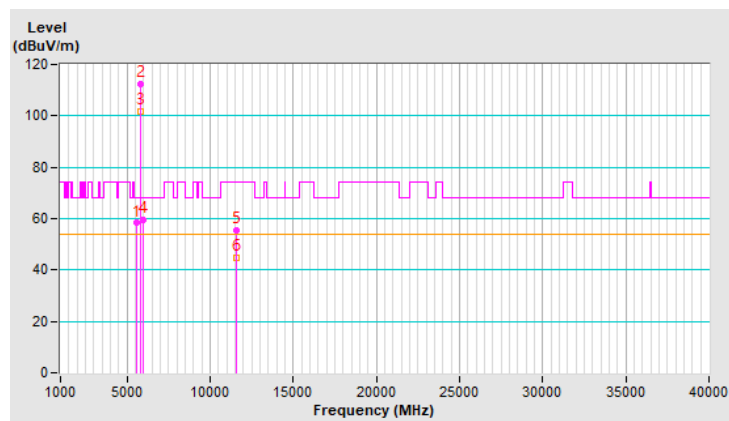


操作模式：	發射 802.11ax (HE40)	調變技術：	OFDMA
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 16 日	測試者：	吳俊頤

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	#5585.15	58.26 PK	68.20	-9.94	2.17 V	284	50.75	7.51
2	*5795.00	112.47 PK			2.17 V	284	105.17	7.30
3	*5795.00	101.76 AV			2.17 V	284	94.46	7.30
4	#5977.50	59.57 PK	68.20	-8.63	2.17 V	284	52.06	7.51
5	11590.00	55.63 PK	74.00	-18.37	1.64 V	297	38.59	17.04
6	11590.00	44.60 AV	54.00	-9.40	1.64 V	297	27.56	17.04
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

Remarks:

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

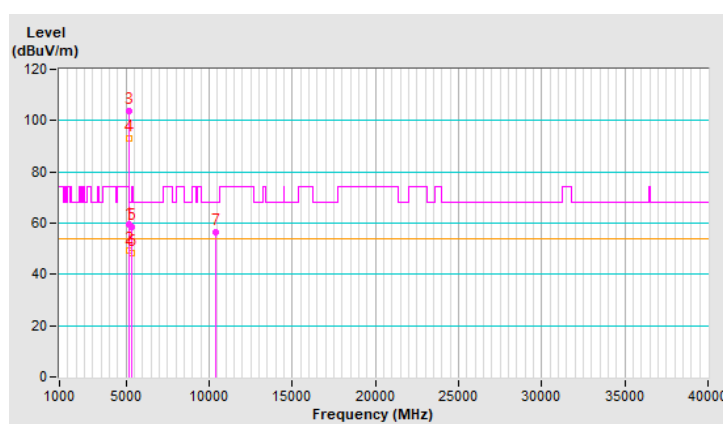


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 42：5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	59.24 PK	74.00	-14.76	1.64 H	303	52.43	6.81
2	5150.00	49.54 AV	54.00	-4.46	1.64 H	303	42.73	6.81
3	*5210.00	103.95 PK			1.64 H	303	96.74	7.21
4	*5210.00	93.28 AV			1.64 H	303	86.07	7.21
5	5350.00	58.63 PK	74.00	-15.37	1.64 H	303	50.79	7.84
6	5350.00	48.55 AV	54.00	-5.45	1.64 H	303	40.71	7.84
7	#10420.00	56.48 PK	68.20	-11.72	1.27 H	289	41.76	14.72
8	15630.00	-	-	-	-	-	-	-
9	20840.00	-	-	-	-	-	-	-
10	#26050.00	-	-	-	-	-	-	-
11	31260.00	-	-	-	-	-	-	-
12	36470.00	-	-	-	-	-	-	-

Remarks:

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

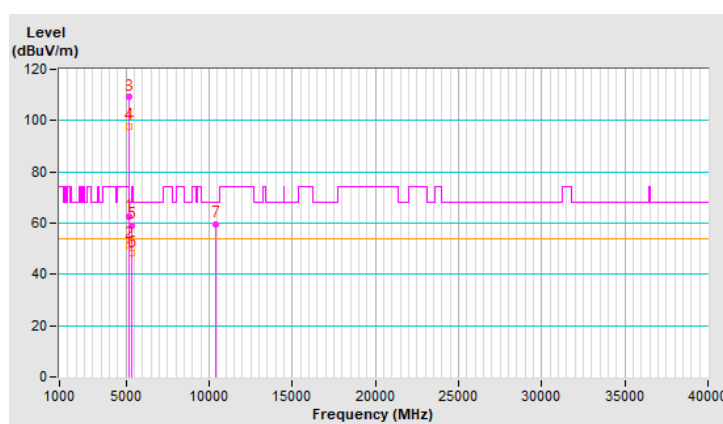


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 42：5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	62.29 PK	74.00	-11.71	2.01 V	287	55.48	6.81
2	5150.00	51.38 AV	54.00	-2.62	2.01 V	287	44.57	6.81
3	*5210.00	109.08 PK			2.01 V	287	101.87	7.21
4	*5210.00	97.74 AV			2.01 V	287	90.53	7.21
5	5350.00	59.18 PK	74.00	-14.82	2.01 V	287	51.34	7.84
6	5350.00	48.09 AV	54.00	-5.91	2.01 V	287	40.25	7.84
7	#10420.00	59.44 PK	68.20	-8.76	1.54 V	132	44.72	14.72
8	15630.00	-	-	-	-	-	-	-
9	20840.00	-	-	-	-	-	-	-
10	#26050.00	-	-	-	-	-	-	-
11	31260.00	-	-	-	-	-	-	-
12	36470.00	-	-	-	-	-	-	-

Remarks:

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

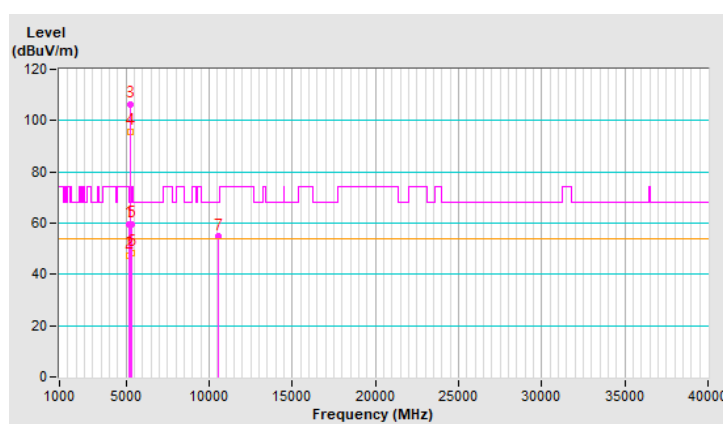


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 58：5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊穎

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	59.45 PK	74.00	-14.55	1.47 H	298	52.64	6.81
2	5150.00	47.47 AV	54.00	-6.53	1.47 H	298	40.66	6.81
3	*5290.00	106.27 PK			1.47 H	298	98.60	7.67
4	*5290.00	95.66 AV			1.47 H	298	87.99	7.67
5	5350.00	59.48 PK	74.00	-14.52	1.47 H	298	51.64	7.84
6	5350.00	48.15 AV	54.00	-5.85	1.47 H	298	40.31	7.84
7	#10580.00	54.73 PK	68.20	-13.47	1.65 H	308	39.45	15.28
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.

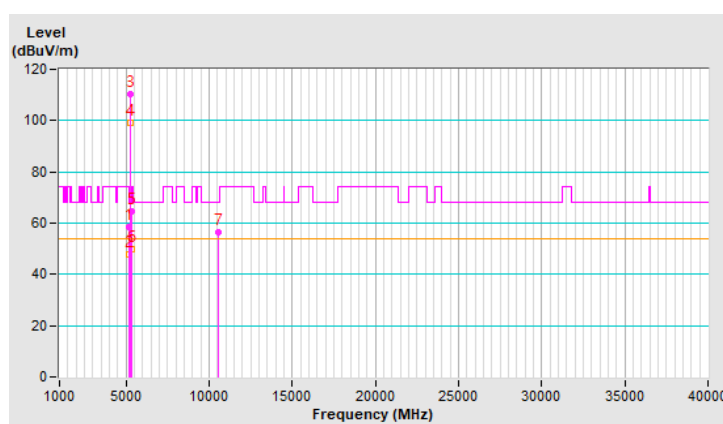


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 58：5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 14 日	測試者：	吳俊頤

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	58.50 PK	74.00	-15.50	2.06 V	282	51.69	6.81
2	5150.00	47.81 AV	54.00	-6.19	2.06 V	282	41.00	6.81
3	*5290.00	110.46 PK			2.06 V	282	102.79	7.67
4	*5290.00	99.37 AV			2.06 V	282	91.70	7.67
5	5350.00	64.72 PK	74.00	-9.28	2.06 V	282	56.88	7.84
6	5350.00	49.87 AV	54.00	-4.13	2.06 V	282	42.03	7.84
7	#10580.00	56.44 PK	68.20	-11.76	1.55 V	134	41.16	15.28
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.

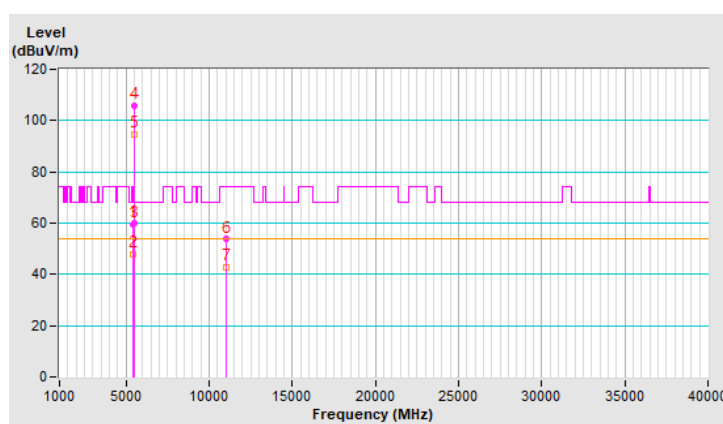


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 106：5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	59.63 PK	74.00	-14.37	1.60 H	310	51.68	7.95
2	5460.00	47.98 AV	54.00	-6.02	1.60 H	310	40.03	7.95
3	#5470.00	59.75 PK	68.20	-8.45	1.60 H	310	51.78	7.97
4	*5530.00	105.78 PK			1.60 H	310	97.95	7.83
5	*5530.00	94.76 AV			1.60 H	310	86.93	7.83
6	11060.00	53.69 PK	74.00	-20.31	1.66 H	301	37.77	15.92
7	11060.00	42.92 AV	54.00	-11.08	1.66 H	301	27.00	15.92
8	#16590.00	-	-	-	-	-	-	-
9	22120.00	-	-	-	-	-	-	-
10	#27650.00	-	-	-	-	-	-	-
11	#33180.00	-	-	-	-	-	-	-
12	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.

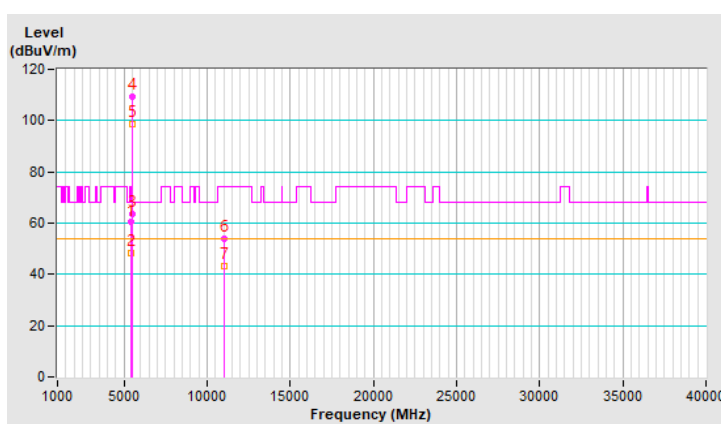


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 106：5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	60.27 PK	74.00	-13.73	2.12 V	281	52.32	7.95
2	5460.00	48.46 AV	54.00	-5.54	2.12 V	281	40.51	7.95
3	#5470.00	63.54 PK	68.20	-4.66	2.12 V	281	55.57	7.97
4	*5530.00	109.40 PK			2.12 V	281	101.57	7.83
5	*5530.00	98.51 AV			2.12 V	281	90.68	7.83
6	11060.00	54.15 PK	74.00	-19.85	1.63 V	296	38.23	15.92
7	11060.00	43.46 AV	54.00	-10.54	1.63 V	296	27.54	15.92
8	#16590.00	-	-	-	-	-	-	-
9	22120.00	-	-	-	-	-	-	-
10	#27650.00	-	-	-	-	-	-	-
11	#33180.00	-	-	-	-	-	-	-
12	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.

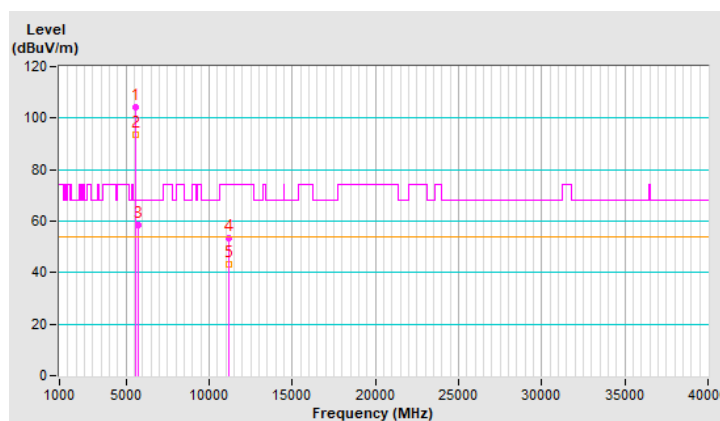


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 122 : 5610 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	*5610.00	104.23 PK			1.74 H	312	96.86	7.37
2	*5610.00	93.47 AV			1.74 H	312	86.10	7.37
3	#5725.00	58.58 PK	68.20	-9.62	1.74 H	312	51.41	7.17
4	11220.00	53.42 PK	74.00	-20.58	1.67 H	305	37.21	16.21
5	11220.00	43.06 AV	54.00	-10.94	1.67 H	305	26.85	16.21
6	#16830.00	-	-	-	-	-	-	-
7	22440.00	-	-	-	-	-	-	-
8	#28050.00	-	-	-	-	-	-	-
9	#33660.00	-	-	-	-	-	-	-
10	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.

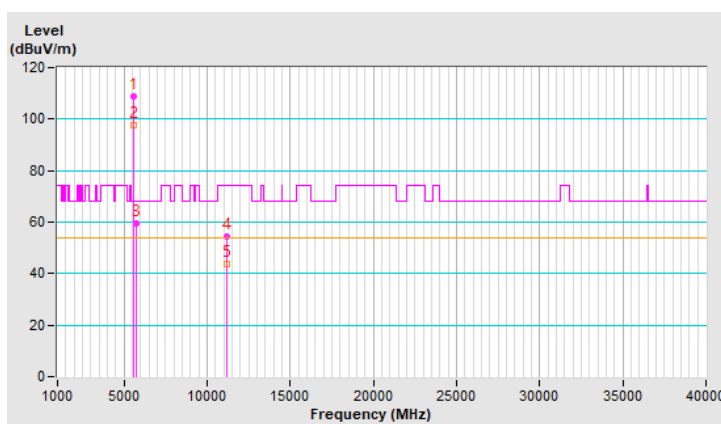


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 122：5610 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 15 日	測試者：	吳俊頤

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	*5610.00	108.82 PK			2.15 V	285	101.45	7.37
2	*5610.00	97.67 AV			2.15 V	285	90.30	7.37
3	#5725.00	59.38 PK	68.20	-8.82	2.15 V	285	52.21	7.17
4	11220.00	54.54 PK	74.00	-19.46	1.64 V	300	38.33	16.21
5	11220.00	43.77 AV	54.00	-10.23	1.64 V	300	27.56	16.21
6	#16830.00	-	-	-	-	-	-	-
7	22440.00	-	-	-	-	-	-	-
8	#28050.00	-	-	-	-	-	-	-
9	#33660.00	-	-	-	-	-	-	-
10	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.

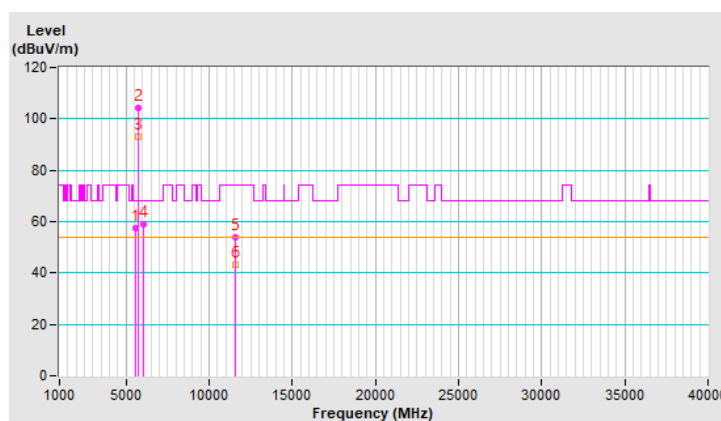


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 16 日	測試者：	吳俊頤

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	#5572.80	57.58 PK	68.20	-10.62	1.47 H	312	50.00	7.58
2	*5775.00	104.08 PK			1.47 H	312	96.82	7.26
3	*5775.00	93.03 AV			1.47 H	312	85.77	7.26
4	#6024.05	59.22 PK	68.20	-8.98	1.47 H	312	51.63	7.59
5	11550.00	53.81 PK	74.00	-20.19	1.66 H	300	36.89	16.92
6	11550.00	43.33 AV	54.00	-10.67	1.66 H	300	26.41	16.92
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.

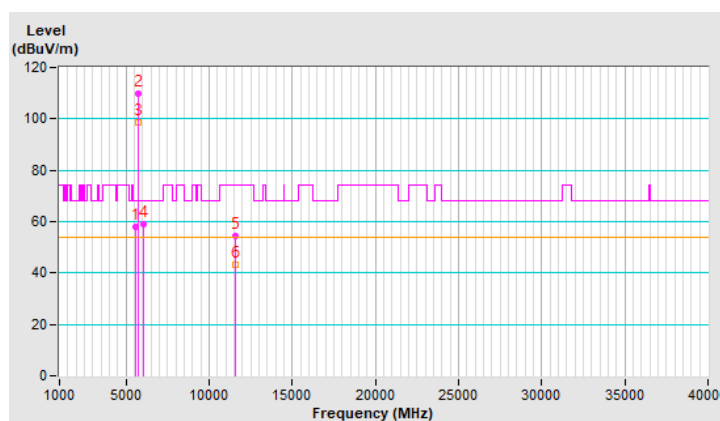


操作模式：	發射 802.11ax (HE80)	調變技術：	OFDMA
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 16 日	測試者：	吳俊頤

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	#5569.95	57.83 PK	68.20	-10.37	2.10 V	280	50.23	7.60
2	*5775.00	109.90 PK			2.10 V	280	102.64	7.26
3	*5775.00	98.84 AV			2.10 V	280	91.58	7.26
4	#6019.77	58.91 PK	68.20	-9.29	2.10 V	280	51.32	7.59
5	11550.00	54.48 PK	74.00	-19.52	1.57 V	307	37.56	16.92
6	11550.00	43.40 AV	54.00	-10.60	1.57 V	307	26.48	16.92
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.



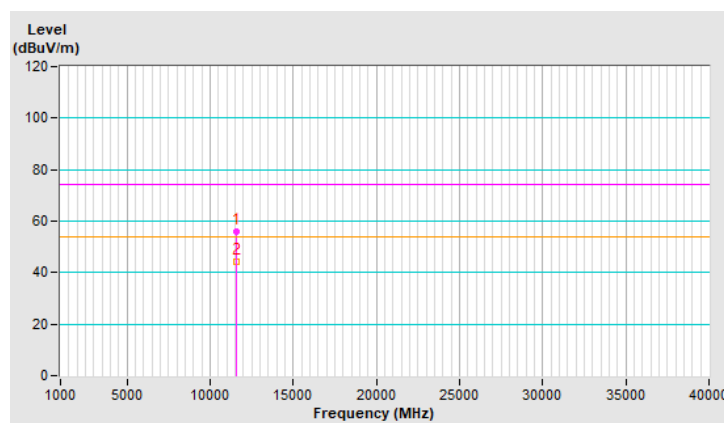
9.6.2 接收諧波

操作模式：	接收		
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz(RMS)
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 16 日	測試者：	吳俊頤

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	11570.00	55.81 PK	74.00	-18.19	1.29 H	168	38.82	16.99
2	11570.00	44.11 AV	54.00	-9.89	1.29 H	168	27.12	16.99

Remarks:

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

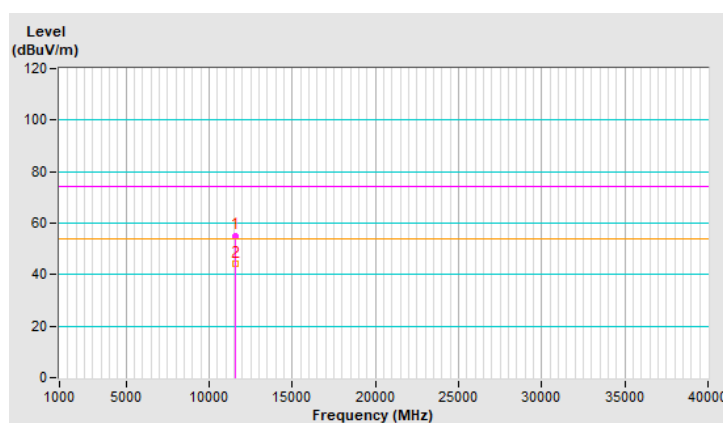


操作模式：	接收		
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz(RMS)
量測場地溫度：	22 °C	量測場地濕度：	58% RH
測試日期：	110 年 9 月 16 日	測試者：	吳俊穎

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	11570.00	55.03 PK	74.00	-18.97	2.16 V	325	38.04	16.99
2	11570.00	44.04 AV	54.00	-9.96	2.16 V	325	27.05	16.99

Remarks:

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



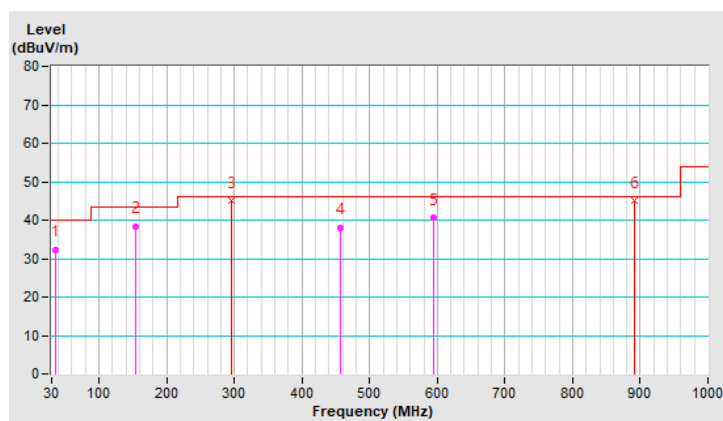
9.6.3 其它不必要之訊號

操作模式：	發射接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	27 °C	量測場地濕度：	62% RH
測試日期：	110 年 11 月 1 日	測試者：	張君煌

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	36.21	32.13 QP	40.00	-7.87	3.64 H	354	40.31	-8.18
2	154.11	38.24 QP	43.50	-5.26	2.38 H	360	44.41	-6.17
3	296.27	44.92 QP	46.00	-1.08	1.14 H	174	49.21	-4.29
4	457.67	38.05 QP	46.00	-7.95	2.85 H	215	38.70	-0.65
5	594.01	40.54 QP	46.00	-5.46	1.68 H	206	38.39	2.15
6	890.99	44.99 QP	46.00	-1.01	1.42 H	193	37.40	7.59

Remarks:

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

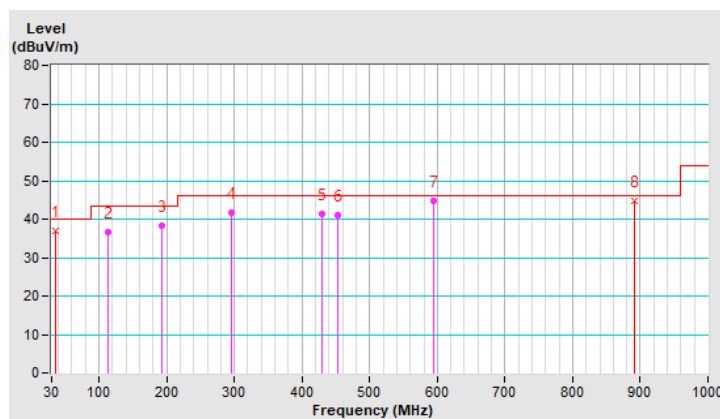


操作模式：	發射接收 802.11a	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	27 °C	量測場地濕度：	62% RH
測試日期：	110 年 11 月 1 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.67	37.01 QP	40.00	-2.99	1.21 V	126	45.15	-8.14
2	114.05	36.56 QP	43.50	-6.94	1.38 V	198	45.97	-9.41
3	192.81	38.23 QP	43.50	-5.27	1.84 V	101	46.90	-8.67
4	296.31	41.75 QP	46.00	-4.25	2.58 V	186	46.04	-4.29
5	428.96	41.49 QP	46.00	-4.51	1.47 V	163	42.71	-1.22
6	452.77	40.98 QP	46.00	-5.02	1.18 V	167	41.75	-0.77
7	594.01	44.88 QP	46.00	-1.12	1.23 V	144	42.73	2.15
8	890.98	44.70 QP	46.00	-1.30	1.05 V	171	37.11	7.59

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable 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 輻射量測之配置照片

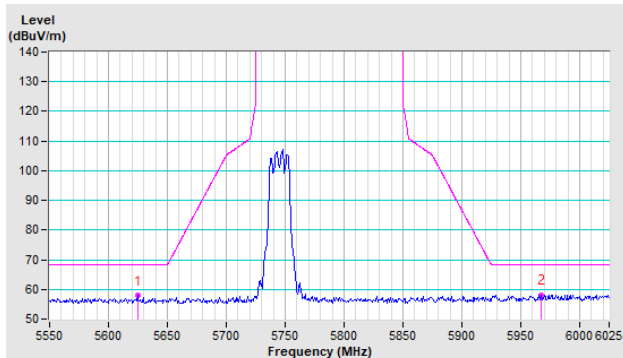
請參照 Test Setup Photos: BHKO-WTW-P21090237_TSup

9.7.1 帶外發射之量測 (For 5.725 GHz~5.850 GHz band)

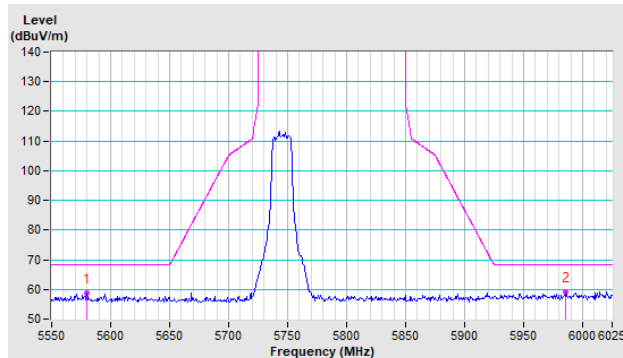
802.11a

CH 149 5745 MHz

Horizontal

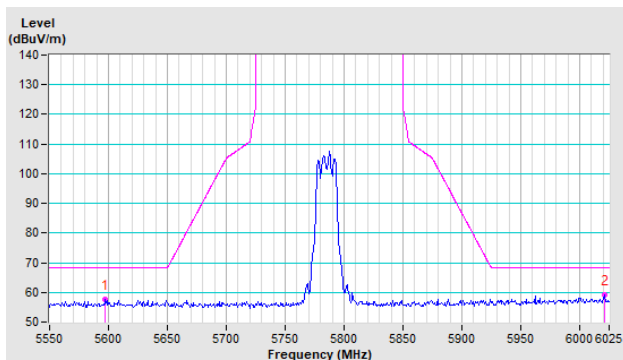


Vertical

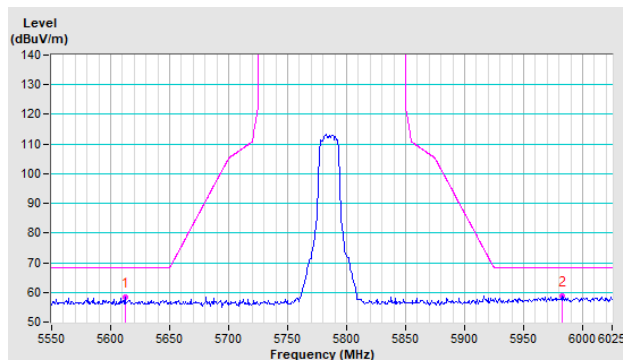


CH 157 5785 MHz

Horizontal

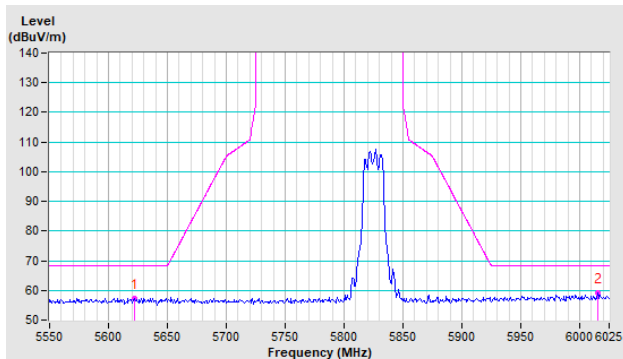


Vertical

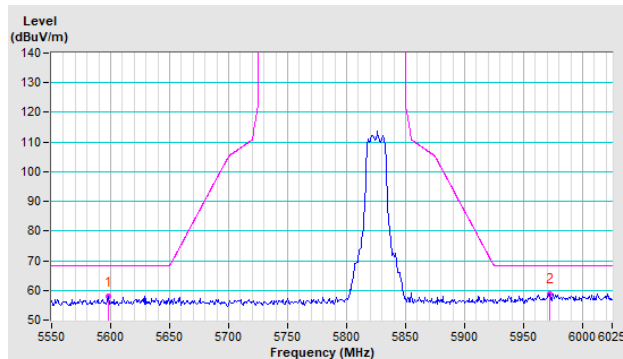


CH 165 5825 MHz

Horizontal



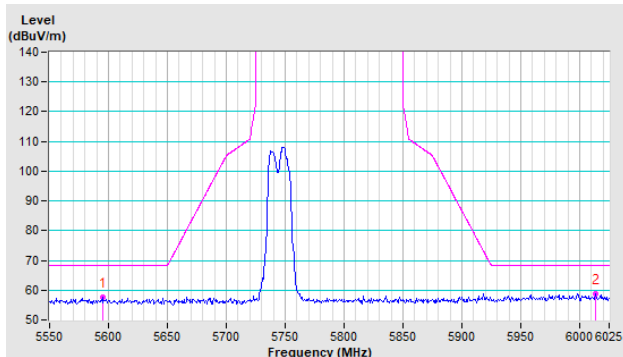
Vertical



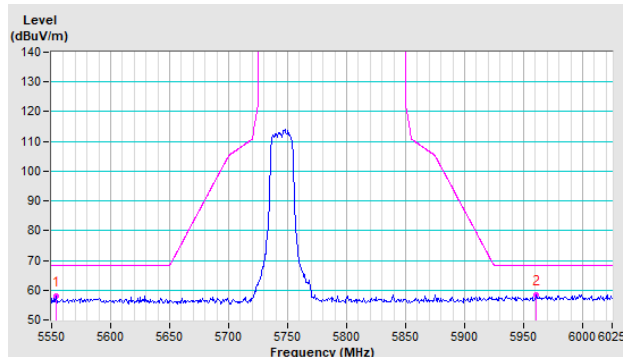
802.11ax (HE20)

CH 149 5745 MHz

Horizontal

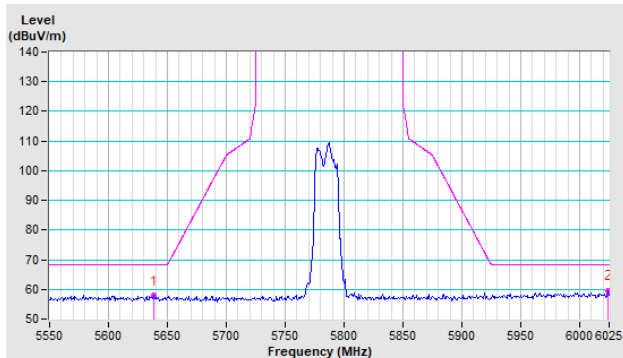


Vertical

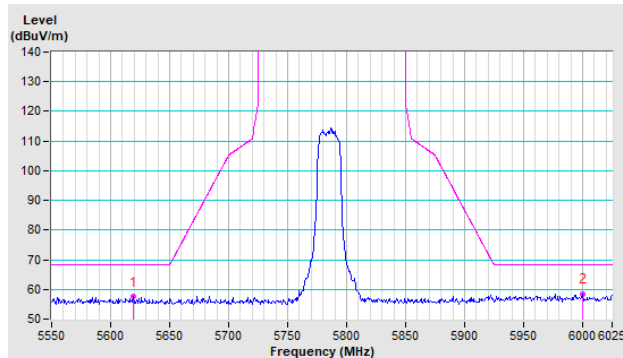


CH 157 5785 MHz

Horizontal

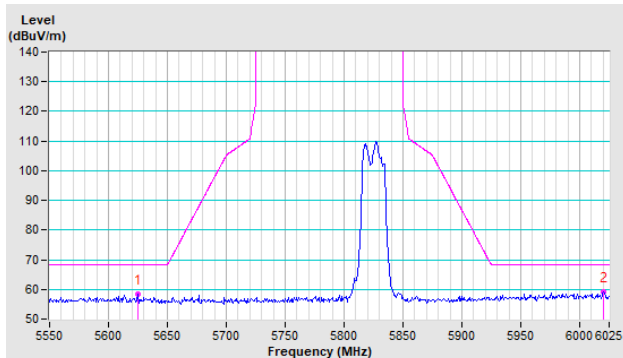


Vertical

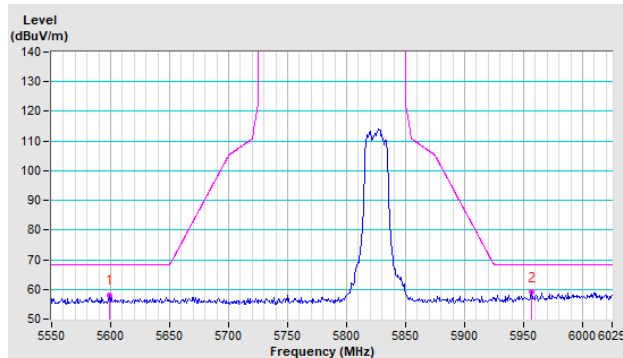


CH 165 5825 MHz

Horizontal



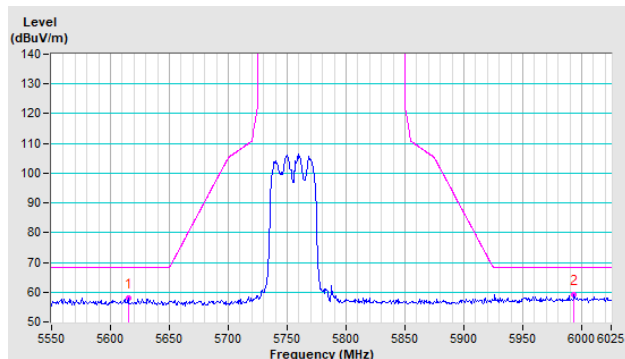
Vertical



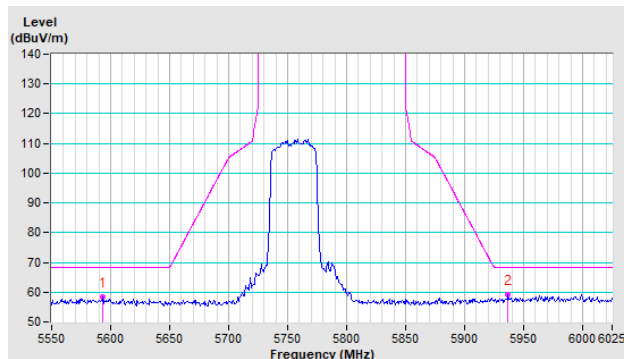
802.11ax (HE40)

CH 151 5755 MHz

Horizontal

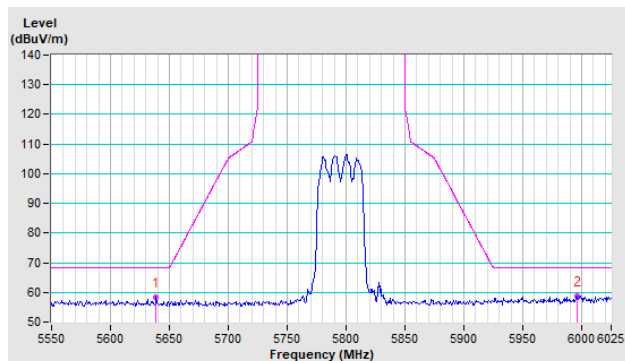


Vertical

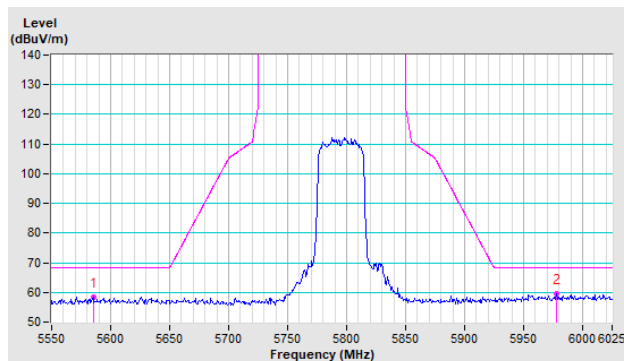


CH 159 5795 MHz

Horizontal



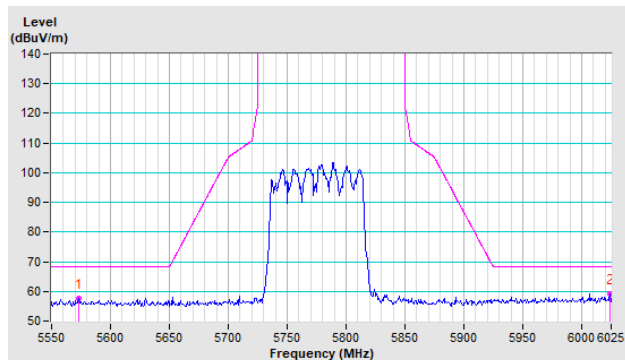
Vertical



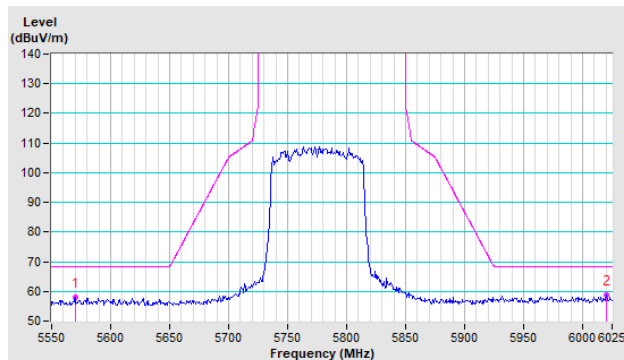
802.11ax (HE80)

CH 155 5775 MHz

Horizontal



Vertical



9.8 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

10 電源線傳導干擾之量測

10.1 適用標準

請見本報告 3.1 節第 1 項的規定。

10.2 量測方法

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

10.3 量測儀器

同 5.3 節

10.4 測試配置

同 5.4 節

10.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

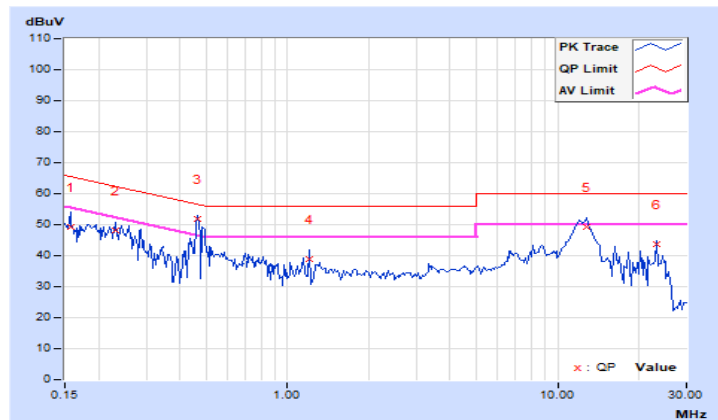
10.6 量測結果

操作模式：	發射接收 802.11a	基本波頻率：	CH 157 : 5785 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25 °C	量測場地濕度：	75% RH
測試日期：	110 年 10 月 27 日	測試者：	張君煌

Phase Of Power : Line (L)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.88	39.28	30.40	49.16	40.28	65.58	55.58	-16.42	-15.30
2	0.23203	9.88	38.22	30.75	48.10	40.63	62.38	52.38	-14.28	-11.75
3	0.46641	9.91	41.79	32.59	51.70	42.50	56.58	46.58	-4.88	-4.08
4	1.20703	9.96	28.78	21.24	38.74	31.20	56.00	46.00	-17.26	-14.80
5	12.80469	10.29	38.85	31.92	49.14	42.21	60.00	50.00	-10.86	-7.79
6	23.12891	10.48	33.09	32.27	43.57	42.75	60.00	50.00	-16.43	-7.25

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

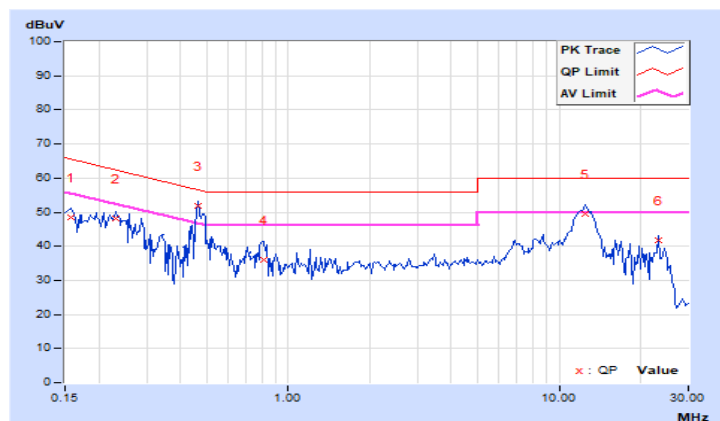


操作模式：	發射接收 802.11a	基本波頻率：	CH 157 : 5785 MHz
量測頻率範圍：	150kHz ~ 30MHz	檢測器與頻寬：	準峰值 (QP) / 平均值 (AV), 9kHz
量測場地溫度：	25 °C	量測場地濕度：	75% RH
測試日期：	110 年 10 月 27 日	測試者：	張君煌

Phase Of Power : Neutral (N)										
No	Frequency (MHz)	Correction Factor (dB)	Reading Value (dBuV)		Emission Level (dBuV)		Limit (dBuV)		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15781	9.89	38.60	30.25	48.49	40.14	65.58	55.58	-17.09	-15.44
2	0.23203	9.89	38.10	30.62	47.99	40.51	62.38	52.38	-14.39	-11.87
3	0.46641	9.92	41.87	32.73	51.79	42.65	56.58	46.58	-4.79	-3.93
4	0.81016	9.94	26.01	20.02	35.95	29.96	56.00	46.00	-20.05	-16.04
5	12.50391	10.30	39.20	32.32	49.50	42.62	60.00	50.00	-10.50	-7.38
6	23.12891	10.50	31.10	30.33	41.60	40.83	60.00	50.00	-18.40	-9.17

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

請參照 Test Setup Photos: BHKO-WTW-P21090237_TSup

11 傳導輸出功率量測及發射頻寬之要求

11.1 適用標準

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

11.2 量測方法

傳導輸出功率量測方法:

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

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

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

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 10 月 29 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	戴瑋倫		

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	15.43	15.59	71.138	18.52	23.97	Pass
40	5200	15.31	15.86	72.510	18.60	23.97	Pass
48	5240	15.09	15.90	71.189	18.52	23.97	Pass
52	5260	15.23	15.87	71.979	18.57	23.81	Pass
60	5300	15.16	15.74	70.307	18.47	23.77	Pass
64	5320	15.21	15.46	68.345	18.35	23.78	Pass
100	5500	15.07	15.65	68.865	18.38	23.79	Pass
116	5580	15.12	16.03	72.595	18.61	23.77	Pass
132	5660	15.29	15.92	72.891	18.63	23.82	Pass
140	5700	15.37	15.88	73.161	18.64	23.85	Pass
149	5745	15.32	16.39	77.592	18.90	30.00	Pass
157	5785	15.44	16.33	77.948	18.92	30.00	Pass
165	5825	15.46	16.11	75.988	18.81	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(19.26) = 23.85\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(19.34) = 23.86\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(19.13) = 23.82\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(19.04) = 23.80\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(19.15) = 23.82\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(19.42) = 23.88\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(19.29) = 23.85\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(19.11) = 23.81\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(18.96) = 23.77\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(19.01) = 23.78\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(19.03) = 23.79\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(18.95) = 23.77\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(19.15) = 23.82\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(19.46) = 23.89\text{ dBm} > 23.97\text{dBm}$.

802.11n (HT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	14.66	14.82	59.580	17.75	23.97	Pass
40	5200	14.62	14.96	60.306	17.80	23.97	Pass
48	5240	14.23	15.15	59.219	17.72	23.97	Pass
52	5260	14.50	15.31	62.146	17.93	23.97	Pass
60	5300	14.46	15.06	59.988	17.78	23.97	Pass
64	5320	14.53	14.75	58.233	17.65	23.97	Pass
100	5500	14.47	15.01	59.685	17.76	23.97	Pass
116	5580	14.28	15.55	62.684	17.97	23.97	Pass
132	5660	14.59	15.22	62.040	17.93	23.97	Pass
140	5700	14.51	15.23	61.591	17.90	23.97	Pass
149	5745	14.66	15.75	66.825	18.25	30.00	Pass
157	5785	14.57	15.82	66.836	18.25	30.00	Pass
165	5825	14.85	15.41	65.303	18.15	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(21.10) = 24.24\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(21.00) = 24.22\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(21.03) = 24.23\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(20.92) = 24.20\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(20.81) = 24.18\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(21.21) = 24.26\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(21.06) = 24.23\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(20.85) = 24.19\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(21.02) = 24.23\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(21.01) = 24.22\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(20.92) = 24.20\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(21.29) = 24.28\text{ dBm} > 23.97\text{dBm}$.

802.11n (HT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.02	15.40	66.442	18.22	23.97	Pass
46	5230	14.85	15.53	66.276	18.21	23.97	Pass
54	5270	14.82	15.51	65.902	18.19	23.97	Pass
62	5310	14.86	15.07	62.756	17.98	23.97	Pass
102	5510	14.84	15.11	62.913	17.99	23.97	Pass
110	5550	14.87	15.59	66.915	18.26	23.97	Pass
134	5670	14.97	15.80	69.424	18.42	23.97	Pass
151	5755	15.11	16.05	72.706	18.62	30.00	Pass
159	5795	15.18	16.02	72.955	18.63	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(41.99) = 27.23\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(41.74) = 27.21\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(41.64) = 27.19\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(41.63) = 27.19\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(42.01) = 27.23\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(41.64) = 27.19\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(41.65) = 27.19\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(41.71) = 27.20\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(41.90) = 27.22\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(41.77) = 27.20\text{ dBm} > 23.97\text{dBm}$.

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	14.72	14.88	60.409	17.81	23.97	Pass
40	5200	14.68	15.03	61.218	17.87	23.97	Pass
48	5240	14.27	15.21	59.920	17.78	23.97	Pass
52	5260	14.55	15.27	62.161	17.94	23.97	Pass
60	5300	14.50	15.10	60.543	17.82	23.97	Pass
64	5320	14.58	14.81	58.977	17.71	23.97	Pass
100	5500	14.49	15.06	60.182	17.79	23.97	Pass
116	5580	14.33	15.59	63.326	18.02	23.97	Pass
132	5660	14.55	15.23	61.853	17.91	23.97	Pass
140	5700	14.60	15.26	62.414	17.95	23.97	Pass
149	5745	14.72	15.81	67.755	18.31	30.00	Pass
157	5785	14.61	15.91	67.901	18.32	30.00	Pass
165	5825	14.88	15.47	65.998	18.20	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(21.10) = 24.24\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(21.00) = 24.22\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(21.03) = 24.23\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(20.92) = 24.20\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(20.81) = 24.18\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(21.21) = 24.26\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(21.06) = 24.23\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(20.85) = 24.19\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(21.02) = 24.23\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(21.01) = 24.22\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(20.92) = 24.20\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(21.29) = 24.28\text{ dBm} > 23.97\text{dBm}$.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.07	15.44	67.131	18.27	23.97	Pass
46	5230	14.92	15.61	67.437	18.29	23.97	Pass
54	5270	14.90	15.59	67.127	18.27	23.97	Pass
62	5310	14.93	15.10	63.477	18.03	23.97	Pass
102	5510	14.89	15.17	63.717	18.04	23.97	Pass
110	5550	14.91	15.61	67.366	18.28	23.97	Pass
134	5670	15.02	15.85	70.228	18.47	23.97	Pass
151	5755	15.18	16.11	73.793	18.68	30.00	Pass
159	5795	15.25	16.08	74.047	18.70	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(41.99) = 27.23\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(41.74) = 27.21\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(41.64) = 27.19\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(41.63) = 27.19\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(42.01) = 27.23\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(41.64) = 27.19\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(41.65) = 27.19\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(41.71) = 27.20\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(41.90) = 27.22\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(41.77) = 27.20\text{ dBm} > 23.97\text{dBm}$.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	14.77	15.54	65.801	18.18	23.97	Pass
58	5290	14.78	15.30	63.945	18.06	23.97	Pass
106	5530	14.70	15.31	63.475	18.03	23.97	Pass
122	5610	14.76	15.46	65.079	18.13	23.97	Pass
155	5775	14.93	16.14	72.232	18.59	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(83.43) = 30.21\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(82.85) = 30.18\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(83.08) = 30.19\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(82.83) = 30.18\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(83.56) = 30.22\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(83.50) = 30.21\text{ dBm} > 23.97\text{dBm}$.

802.11ax (HE20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	14.76	14.91	60.897	17.85	23.97	Pass
40	5200	14.72	15.06	61.711	17.90	23.97	Pass
48	5240	14.31	15.24	60.397	17.81	23.97	Pass
52	5260	14.58	15.31	62.670	17.97	23.97	Pass
60	5300	14.54	15.15	61.179	17.87	23.97	Pass
64	5320	14.62	14.84	59.452	17.74	23.97	Pass
100	5500	14.53	15.09	60.664	17.83	23.97	Pass
116	5580	14.37	15.63	63.912	18.06	23.97	Pass
132	5660	14.58	15.27	62.359	17.95	23.97	Pass
140	5700	14.63	15.31	63.003	17.99	23.97	Pass
149	5745	14.74	15.86	68.333	18.35	30.00	Pass
157	5785	14.66	15.95	68.597	18.36	30.00	Pass
165	5825	14.92	15.50	66.527	18.23	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(21.10) = 24.24\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(21.00) = 24.22\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(21.03) = 24.23\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(20.92) = 24.20\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(20.81) = 24.18\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(21.21) = 24.26\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(21.06) = 24.23\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(20.85) = 24.19\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(21.02) = 24.23\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(21.01) = 24.22\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(20.92) = 24.20\text{ dBm} > 23.97\text{dBm}$.
6. $11\text{dBm} + 10\log(20.89) = 24.20\text{ dBm} > 23.97\text{dBm}$.
7. $11\text{dBm} + 10\log(21.29) = 24.28\text{ dBm} > 23.97\text{dBm}$.

802.11ax (HE40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	15.10	15.48	67.678	18.30	23.97	Pass
46	5230	14.97	15.66	68.218	18.34	23.97	Pass
54	5270	14.94	15.62	67.664	18.30	23.97	Pass
62	5310	14.95	15.14	63.920	18.06	23.97	Pass
102	5510	14.93	15.19	64.154	18.07	23.97	Pass
110	5550	14.94	15.66	68.002	18.33	23.97	Pass
134	5670	15.05	15.90	70.893	18.51	23.97	Pass
151	5755	15.21	16.18	74.685	18.73	30.00	Pass
159	5795	15.29	16.11	74.638	18.73	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(41.99) = 27.23\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(41.74) = 27.21\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(41.64) = 27.19\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(41.63) = 27.19\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(42.01) = 27.23\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(41.64) = 27.19\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(41.65) = 27.19\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(41.71) = 27.20\text{ dBm} > 23.97\text{dBm}$.
4. $11\text{dBm} + 10\log(41.90) = 27.22\text{ dBm} > 23.97\text{dBm}$.
5. $11\text{dBm} + 10\log(41.77) = 27.20\text{ dBm} > 23.97\text{dBm}$.

802.11ax (HE80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	14.79	15.57	66.188	18.21	23.97	Pass
58	5290	14.82	15.33	64.458	18.09	23.97	Pass
106	5530	14.75	15.35	64.131	18.07	23.97	Pass
122	5610	14.81	15.52	65.914	18.19	23.97	Pass
155	5775	14.99	16.17	72.950	18.63	30.00	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(83.43) = 30.21\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(82.85) = 30.18\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(83.08) = 30.19\text{ dBm} > 23.97\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(82.83) = 30.18\text{ dBm} > 23.97\text{dBm}$.
2. $11\text{dBm} + 10\log(83.56) = 30.22\text{ dBm} > 23.97\text{dBm}$.
3. $11\text{dBm} + 10\log(83.50) = 30.21\text{ dBm} > 23.97\text{dBm}$.

26dB BANDWIDTH:
802.11a

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	19.26	19.11
60	5300	19.34	18.96
64	5320	19.13	19.01
100	5500	19.04	19.03
116	5580	19.15	18.95
132	5660	19.42	19.15
140	5700	19.29	19.46

802.11ax (HE20)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
52	5260	21.10	21.06
60	5300	20.89	20.85
64	5320	21.00	21.02
100	5500	21.03	21.01
116	5580	20.92	20.92
132	5660	20.81	20.89
140	5700	21.21	21.29

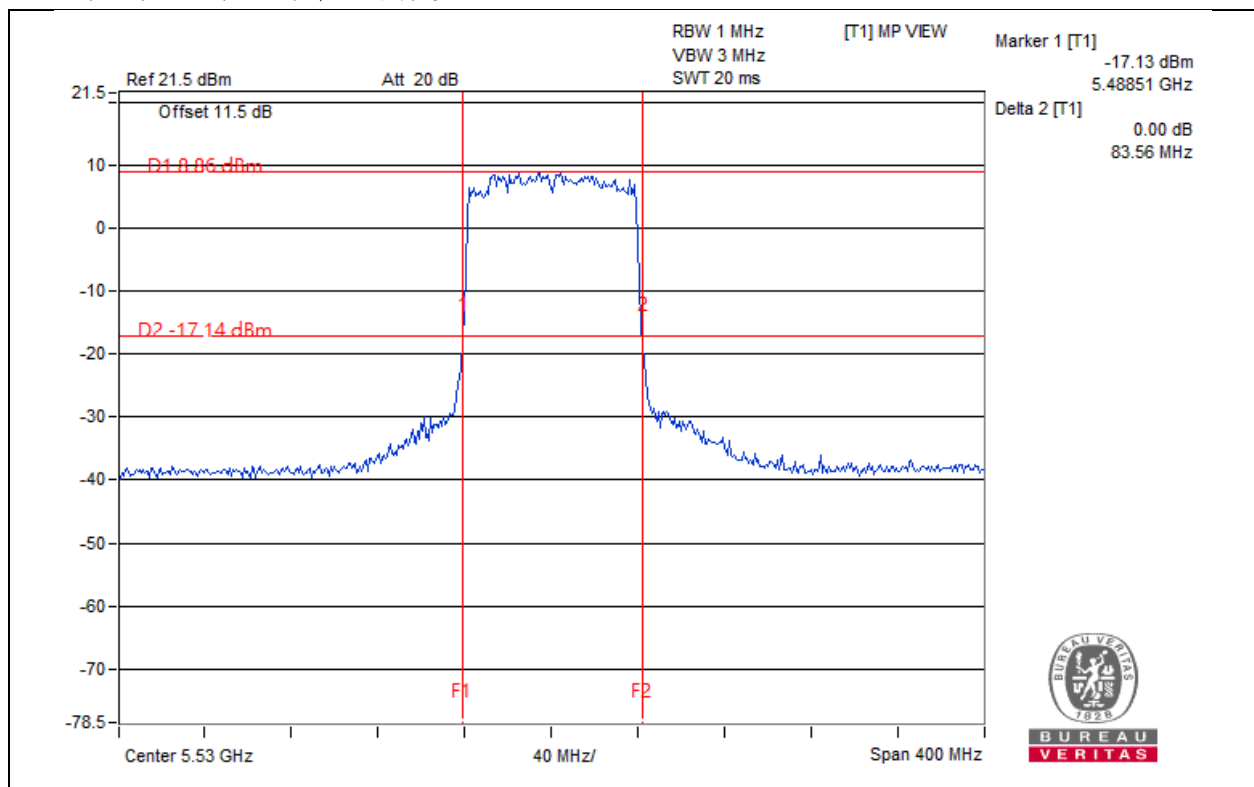
802.11ax (HE40)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
54	5270	41.99	41.64
62	5310	41.74	41.65
102	5510	41.64	41.71
110	5550	41.63	41.9
134	5670	42.01	41.77

802.11ax (HE80)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
58	5290	83.43	82.83
106	5530	82.85	83.56
122	5610	83.08	83.50

**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)(B)及 4 項(II)(D)的規定
☒	5.25 GHz~5.35 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☒	5.470 GHz~5.725 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☒	5.725 GHz~5.850 GHz	請見本報告 3.1 節第 7 項(IV)及 4 項(IV)的規定

12.2 量測方法

For U-NII-1, U-NII-2A, U-NII-2C band:

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

For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-1

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

For U-NII-3 band:

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

12.3 量測功率頻譜密度之儀器

同 6.3 節。

12.4 功率頻譜密度之測試配置

同 6.4 節

12.5 量測結果

操作模式	發射	測試日期	110 年 10 月 29 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	戴瑋倫		

For U-NII-1, U-NII-2A, U-NII-2C Band

802.11a

Chan.	Freq. (MHz)	PSD (dBm)		Total PSD (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1			
36	5180	2.87	3.15	6.02	10.00	Pass
40	5200	2.82	3.43	6.15	10.00	Pass
48	5240	2.30	3.37	5.88	10.00	Pass
52	5260	2.51	3.51	6.05	10.00	Pass
60	5300	2.63	3.19	5.93	10.00	Pass
64	5320	2.44	2.81	5.64	10.00	Pass
100	5500	2.27	3.12	5.73	10.00	Pass
116	5580	2.36	3.66	6.07	10.00	Pass
132	5660	2.60	3.66	6.17	10.00	Pass
140	5700	2.75	3.52	6.16	10.00	Pass

Note: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2/2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7-6) = 10\text{dBm}$.

802.11ax (HE20)

Chan.	Freq. (MHz)	PSD (dBm)		Total PSD (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1			
36	5180	1.71	2.18	4.96	10.00	Pass
40	5200	1.59	2.41	5.03	10.00	Pass
48	5240	1.22	2.37	4.84	10.00	Pass
52	5260	1.39	2.49	4.98	10.00	Pass
60	5300	1.49	2.12	4.83	10.00	Pass
64	5320	1.31	1.73	4.53	10.00	Pass
100	5500	1.28	1.83	4.57	10.00	Pass
116	5580	1.34	2.44	4.93	10.00	Pass
132	5660	1.57	2.40	5.01	10.00	Pass
140	5700	1.61	2.26	4.96	10.00	Pass

Note: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2/2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7-6) = 10\text{dBm}$.

802.11ax (HE40)

Chan.	Freq. (MHz)	PSD (dBm)		Total PSD (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1			
38	5190	-0.72	-0.27	2.52	10.00	Pass
46	5230	-1.08	-0.09	2.45	10.00	Pass
54	5270	-0.87	-0.15	2.52	10.00	Pass
62	5310	-1.07	-0.68	2.14	10.00	Pass
102	5510	-1.05	-0.75	2.11	10.00	Pass
110	5550	-0.93	-0.11	2.51	10.00	Pass
134	5670	-0.91	-0.05	2.55	10.00	Pass

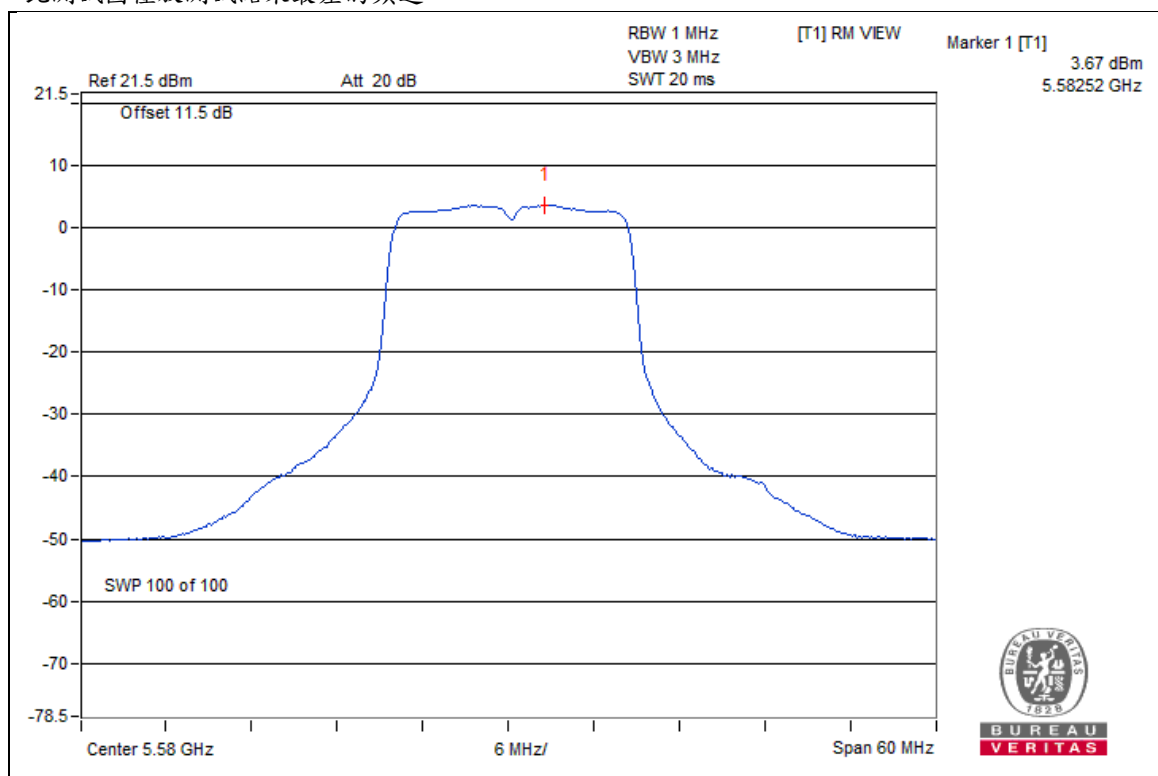
Note: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2/2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7-6) = 10\text{dBm}$.

802.11ax (HE80)

Chan.	Freq. (MHz)	PSD (dBm)		Total PSD (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1			
42	5210	-3.95	-2.98	-0.43	10.00	Pass
58	5290	-4.11	-3.34	-0.70	10.00	Pass
122	5610	-3.98	-2.89	-0.39	10.00	Pass
106	5530	-4.14	-3.35	-0.72	10.00	Pass

Note: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2/2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(7-6) = 10\text{dBm}$.

**此測試圖僅放測試結果最差的頻道。



For U-NII-3 Band

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	-5.99	-3.77	3.01	-0.76	29	Pass
	157	5785	-5.79	-3.57	3.01	-0.56	29	Pass
	165	5825	-5.96	-3.74	3.01	-0.73	29	Pass
1	149	5745	-4.63	-2.41	3.01	0.6	29	Pass
	157	5785	-4.84	-2.62	3.01	0.39	29	Pass
	165	5825	-5.21	-2.99	3.01	0.02	29	Pass

Note: Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7-6)=29\text{dBm/500kHz}$.

802.11ax (HE20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	-7.88	-5.66	3.01	-2.65	29	Pass
	157	5785	-8.07	-5.85	3.01	-2.84	29	Pass
	165	5825	-8.00	-5.78	3.01	-2.77	29	Pass
1	149	5745	-6.59	-4.37	3.01	-1.36	29	Pass
	157	5785	-6.82	-4.60	3.01	-1.59	29	Pass
	165	5825	-7.20	-4.98	3.01	-1.97	29	Pass

Note: Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7-6)=29\text{dBm/500kHz}$.

802.11ax (HE40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	151	5755	-10.02	-7.80	3.01	-4.79	29	Pass
	159	5795	-10.24	-8.02	3.01	-5.01	29	Pass
1	151	5755	-9.17	-6.95	3.01	-3.94	29	Pass
	159	5795	-9.35	-7.13	3.01	-4.12	29	Pass

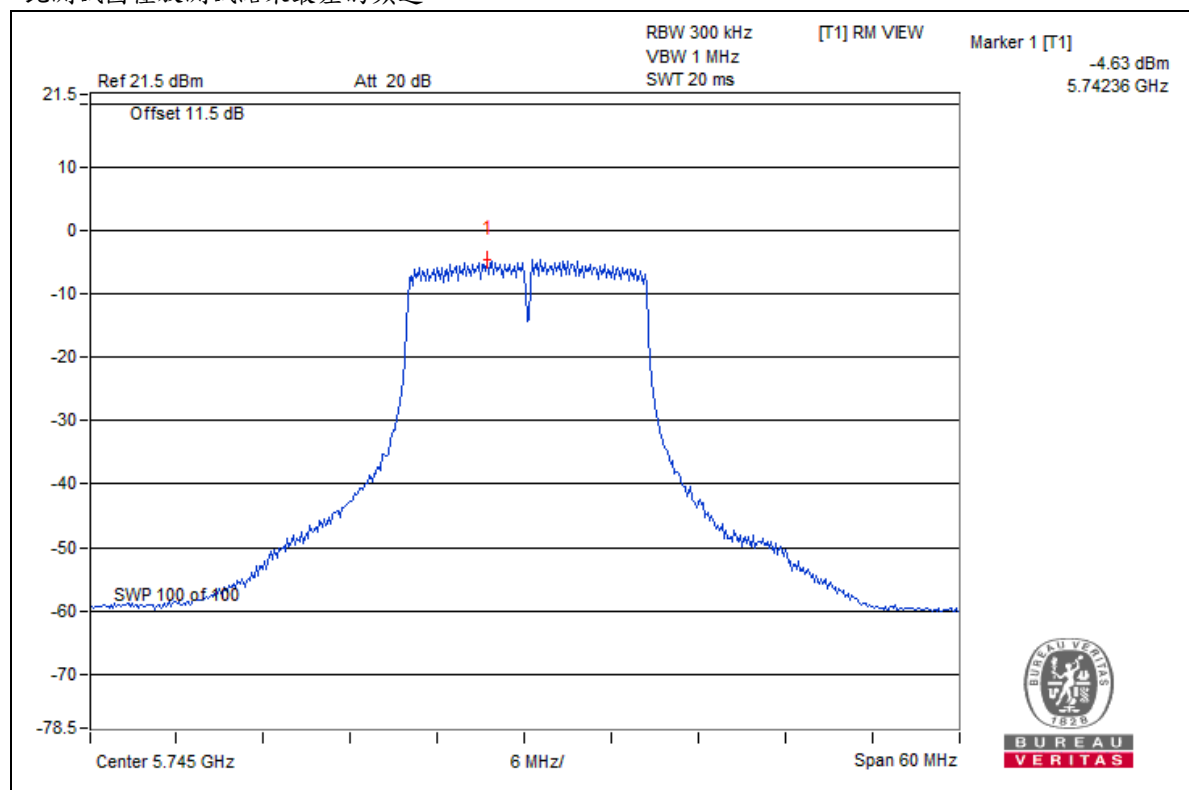
Note: Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7-6)=29\text{dBm/500kHz}$.

802.11ax (HE80)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=2) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	155	5775	-13.37	-11.15	3.01	-8.14	29	Pass
1	155	5775	-12.06	-9.84	3.01	-6.83	29	Pass

Note: Directional gain = $10 \log[(10^{\text{Chain0/20}} + 10^{\text{Chain1/20}})^2 / 2] = 7\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30-(7-6)=29\text{dBm/500kHz}$.

**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 10 月 29 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	戴瑋倫		

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	16.33	16.36	0.5	Pass
157	5785	16.33	16.37	0.5	Pass
165	5825	16.34	16.38	0.5	Pass

802.11ax (HE20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	18.80	18.69	0.5	Pass
157	5785	18.80	18.73	0.5	Pass
165	5825	18.76	18.75	0.5	Pass

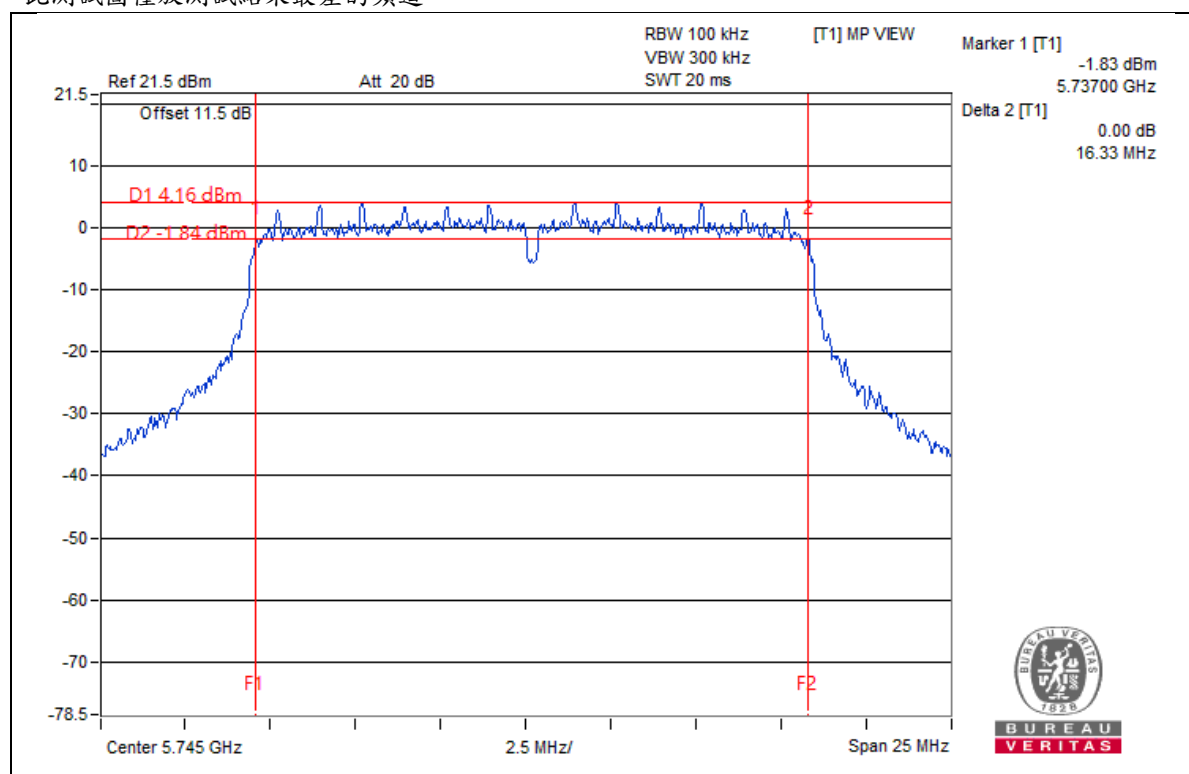
802.11ax (HE40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	37.89	37.21	0.5	Pass
159	5795	37.70	37.54	0.5	Pass

802.11ax (HE80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	77.41	76.56	0.5	Pass

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

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

where

P_d = power density in mW/cm^2

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

14.3 評估結果

電波暴露量之評估	
☐	待測物並非是 WLAN AP/Router 產品，不需進行電波暴露量之評估
☐	待測物為 WLAN AP/Router 產品，需進行電波暴露量之評估
☒	待測物之發射功率大於 20mW，需進行電波暴露量之評估

Frequency Band (MHz)	Max AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Pass/Fail
2412-2462 (WLAN 2.4G)	21.09	3.64	20	0.0591	1	Pass
5180-5240 (WLAN 5G)	18.60	4.27	20	0.0385	1	Pass
5260-5320 (WLAN 5G)	18.57	4.27	20	0.0383	1	Pass
5500-5700 (WLAN 5G)	18.64	4.27	20	0.0389	1	Pass
5745-5825 (WLAN 5G)	18.92	4.27	20	0.0415	1	Pass
2402 -2480 (BT LE)	4.38	3.64	20	0.0013	1	Pass
2402 -2480 (BT EDR)	4.38	3.64	20	0.0013	1	Pass

mmWave

Freq. (MHz)	Field Strength Of Fundamental (dBuV/m)	EIRP (dBm)	EIRP (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Pass/Fail
24066.5278	106.7	11.47	14.028	0.00279	1	Pass

Note:

1. WLAN 2.4GHz & WLAN 5GHz & Bluetooth & mmWave technologies cannot transmit at same time.
2. Output power EIRP (dBm) = Field Strength (dBuV/m)@3m - 95.23, Output power EIRP (mW) = $10^{\frac{(Max\ power\ (dBm))}{10}}$.

附錄：動態頻率選擇

1. EUT Information

1.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands And Mode Of EUT

Operational Mode	Operating Frequency Range	
	5250~5350MHz	5470~5725MHz
Client without radar detection and ad hoc function	✓	✓

1.2 EUT Software and Firmware Version

Table 2: The Eut Software/Firmware Version

No	Product	Model No.	Software/Firmware Version
1	Neat Bar Pro	NF-D1	Kernel Vrsion : 4.19.81+

1.3 Description Of Available Antennas to The EUT

Table 3: Antenna List

ANT No.	Antenna Type	Operation Frequency Range (MHz)	MAX. Gain (dBi)
1	PCB	5250-5350MHz	4.27
1	PCB	5470-5725MHz	4.27
2	PCB	5250-5350MHz	3.69
2	PCB	5470-5725MHz	3.69

1.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

802.11a

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	18.57	71.979
5470~5725	18.64	73.161

802.11ax (HE20)

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	17.97	62.670
5470~5725	18.06	63.912

802.11ax (HE40)

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	18.30	67.664
5470~5725	18.51	70.893

802.11ax (HE80)

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	18.09	64.458
5470~5725	18.19	65.914

1.5 EUT Maximum E.I.R.P. Power

Table 5: The EIRP Output Power List

802.11a

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	22.84	192.309
5470~5725	22.91	195.434

802.11ax (HE20)

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	22.24	167.494
5470~5725	22.33	171.002

802.11ax (HE40)

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	22.57	180.717
5470~5725	22.78	189.671

802.11ax (HE80)

Frequency Band (MHz)	MAX. Power	
	Output Power(dBm)	Output Power(mW)
5250~5350	22.36	172.187
5470~5725	22.46	176.198

1.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Maximum EIRP of this device is **195.434 mW** which less than 500mW, therefore it's not require TPC function.

TPC	E.I.R.P	LP0002
	> 500mW	The TPC mechanism is required for system with an E.I.R.P. of above 500mW
√	< 500mW	The TPC mechanism is not required for system with an E.I.R.P. of less 500mW

1.7 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user. **And the device doesn't have Ad Hoc mode on DFS frequency band.**

2. U-NII DFS Rule Requirements

2.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS Requirements Prior To Use a Channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	✓	✓ note	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓

Note: Per KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 section (b)(5/6),
If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 7: Applicability of DFS Requirements During Normal Operation.

Requirement	Operational Mode	
	Master or Client with radar detection	Client without radar detection
DFS Detection Threshold	✓	Not required
Channel Closing Transmission Time	✓	✓
Channel Move Time	✓	✓
U-NII Detection Bandwidth	✓	Not required

Additional requirements for devices with multiple bandwidth modes	Master or Client with radar detection	Client without radar detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

2.2 Test Limits And Radar Signal Parameters

Detection Threshold Values

Table 8: DFS Detection Thresholds For Master Devices And Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 9: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Parameters of DFS Test Signals

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a ----- Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup} \left\{ \left(\frac{1}{360} \cdot \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 11: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number Of Pulses Per Burst	Number Of Bursts	Minimum Percentage Of Successful Detection	Minimum Number Of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

- a) the Channel center frequency
- b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
- c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$FL + (0.4 * \text{Chirp Width [in MHz]})$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$FH - (0.4 * \text{Chirp Width [in MHz]})$$

Table 12: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses PER HOP	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage Of Successful Detection	Minimum Number Of Trials
6	1	333	9	0.333	300	70%	30

3. Test & Support Equipment List

3.1 Test Instruments

Table 13: Test Instruments List

Description & Manufacturer	Model no.	Serial No.	Calibrated Date	Calibrated Until
Spectrum analyzer	FSV	R&S	2021/5/24	2022/5/23
Signal generator	MXG	KEYSIGHT	2021/5/19	2022/5/18
Horn antenna	BBHA 9120 D1	Schwarzbeck	2020/11/22	2021/11/21
RF coaxial cable	SUCOFLEX 104	HUBER SUHNER	NA	NA

Note: Tested Date: 2021/9/9

3.2 Description of Support Units

Table 14: Support Unit Information.

No.	Product	Brand	Model No.	FCC ID	Gain
1	802.11ax wireless Router	ASUS	RT-AX88U	MSQ-RTAXHP00	5G Ant gain : 2.24dB Maximum EIRP : 26.30dBm

NOTE: This device was functioned as a ☒ Master ☐ Slave device during the DFS test.

Table 15: Software/Firmware Information.

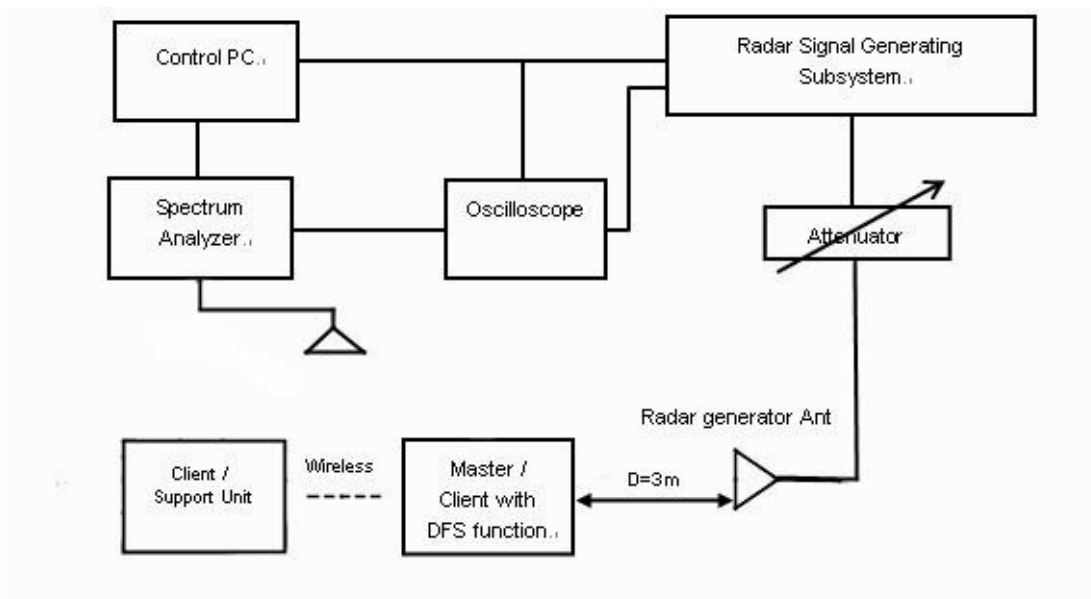
No.	Product	Model No.	Software/Firmware Version
1.	802.11ax wireless Router	RT-AX88U	3.0.0.4.384_5329-gd8d34a4

4. Test Procedure

4.1 DFS Measurement System

A complete DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

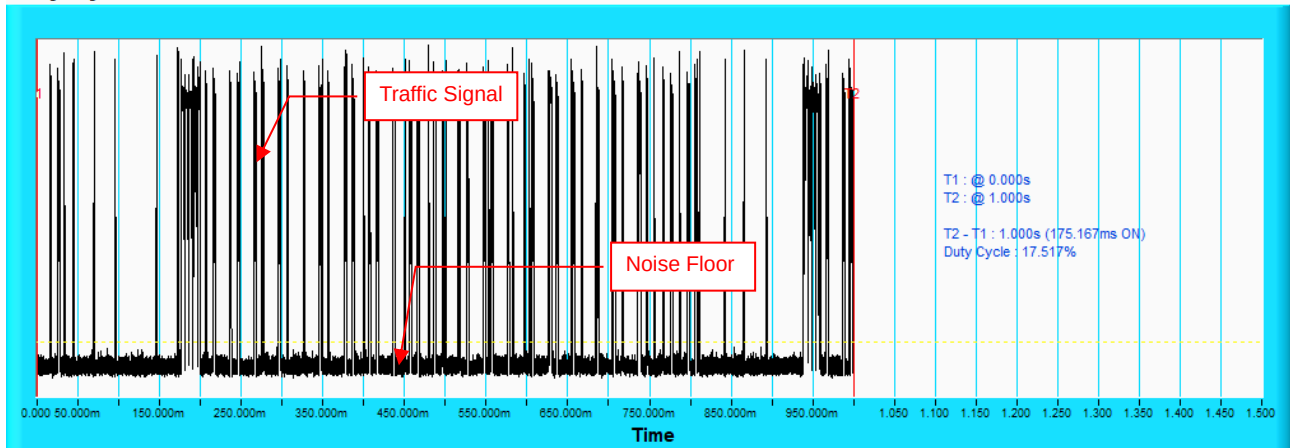
Radiated Setup Configuration of DFS Measurement System



System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

	a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
	b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
V	c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.
	d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

Wireless Traffic Loading Duty Cycle



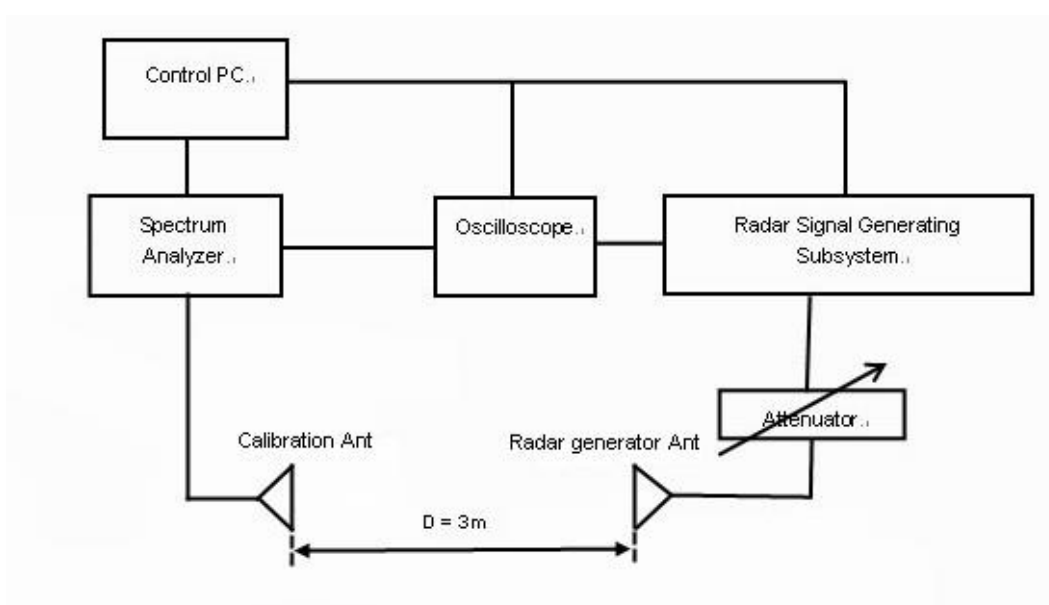
4.2 Calibration of DFS Detection Threshold Level

The measured channel is 5500MHz, 5510MHz, 5530MHz. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The calibrated conducted detection threshold level is set to -64dBm. The tested level is lower than required level hence it provides margin to the limit.

Radiated setup configuration of Calibration of DFS Detection Threshold Level

The radar signal generate system is generating waveform pattern of radar types. The amplitude of the radar signal generator system is adjusted to yield a level of -64 dBm as measured on the spectrum analyzer.

The interference detection threshold level is lower than - 64dBm hence it provides margin to the limit.

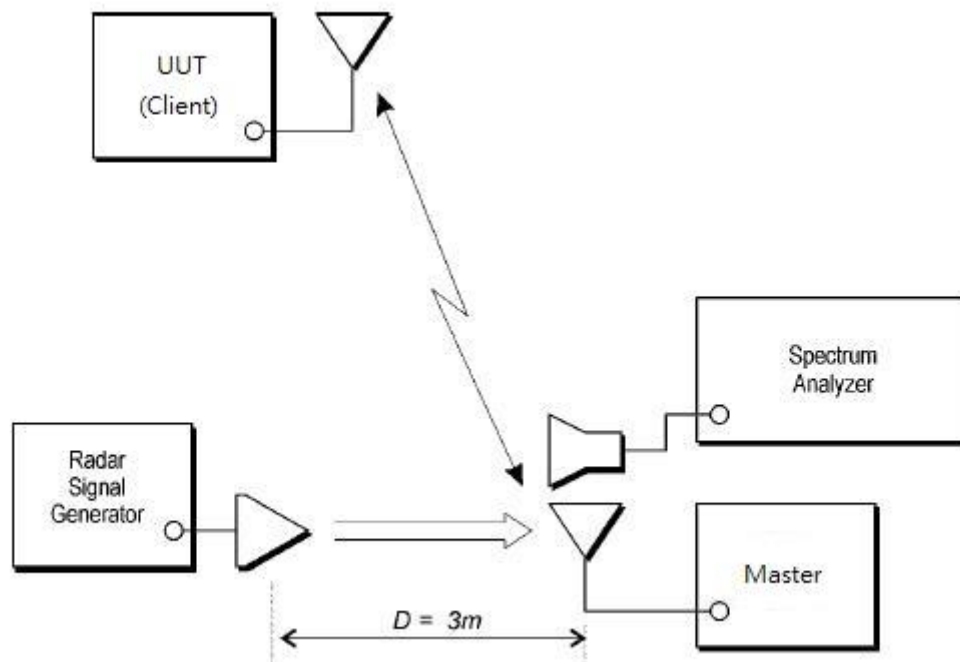


4.3 Deviation From Test Standard

No deviation.

4.4 Radiated Test Setup Configuration

4.4.1 Client Without Radar Detection Mode



5. Test Results

5.1 Summary of Test Results

Clause	Test Parameter	Remarks	Pass/Fail
5.7.7	DFS Detection Threshold	Not Applicable	NA
5.7.7	Channel Availability Check Time	Not Applicable	NA
5.7.7	Channel Move Time	Applicable	Pass
5.7.7	Channel Closing Transmission Time	Applicable	Pass
5.7.7	Non- Occupancy Period	Applicable	Pass
5.7.7	Uniform Spreading	Not Applicable	NA
5.7.7	U-NII Detection Bandwidth	Not Applicable	NA
5.7.7	Non-associated test	Applicable	Pass
5.7.7	Non-Co-Channel test	Applicable	Pass

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

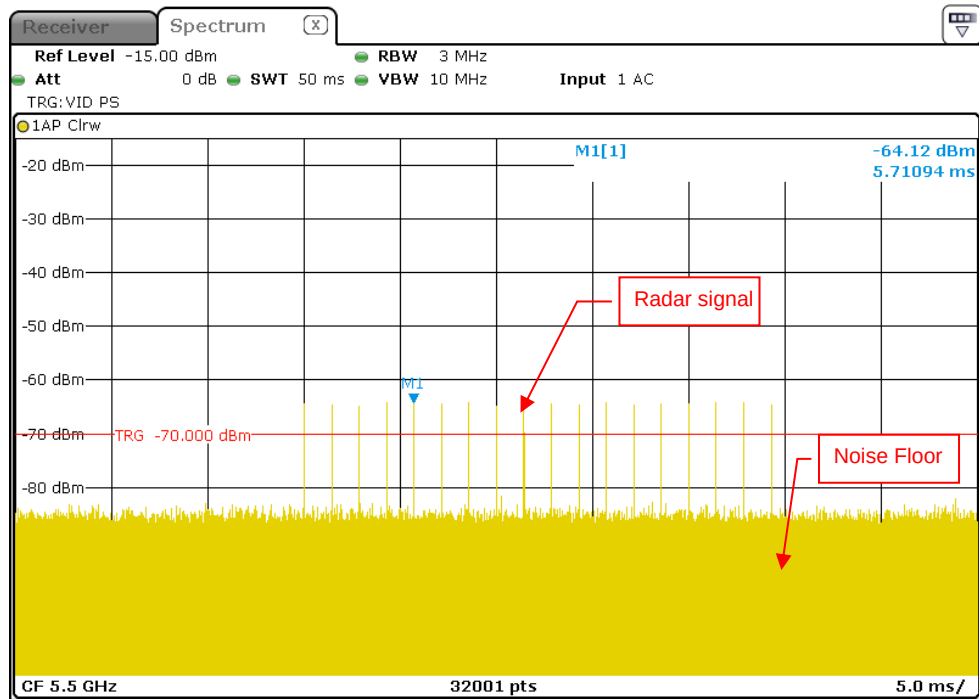
5.2 Test Results

5.2.1 Test Mode: Device Operating In Client Without Radar Detection Mode.

Client with injection at the Master. (The radar test signals are injected into the Master Device)

DFS Detection Threshold

For detection threshold level of -64dBm, the required signal strength at AP antenna location is -64 dBm.



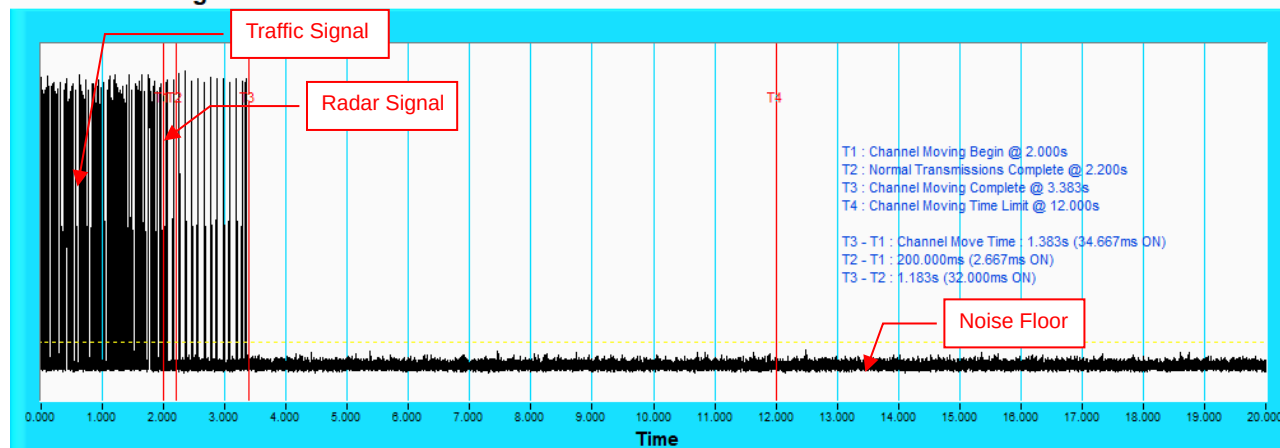
Radar Signal 0

5.2.2 Channel Closing Transmission And Channel Move Time

Radar Signal 0

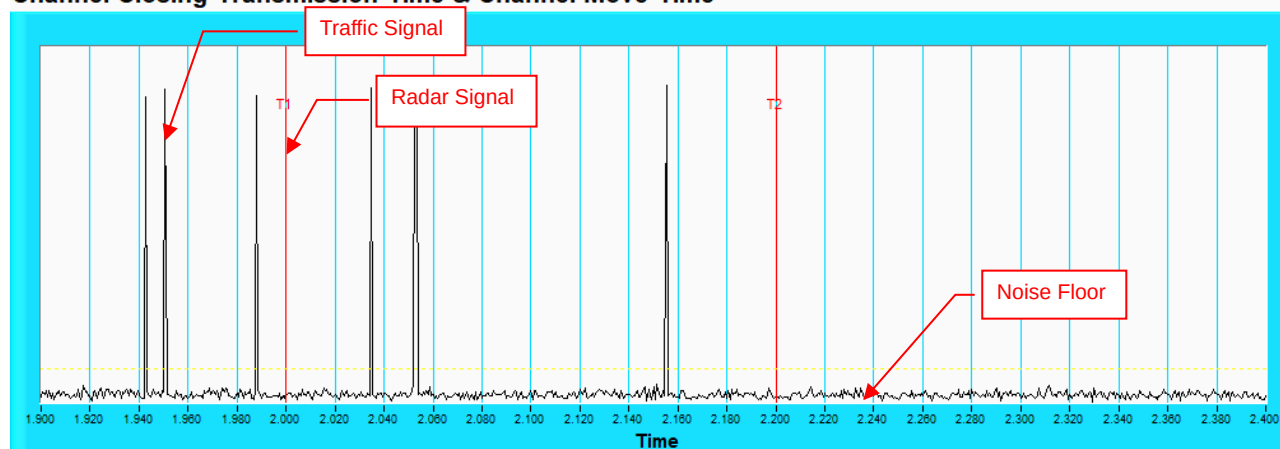
802.11ax HE20

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time

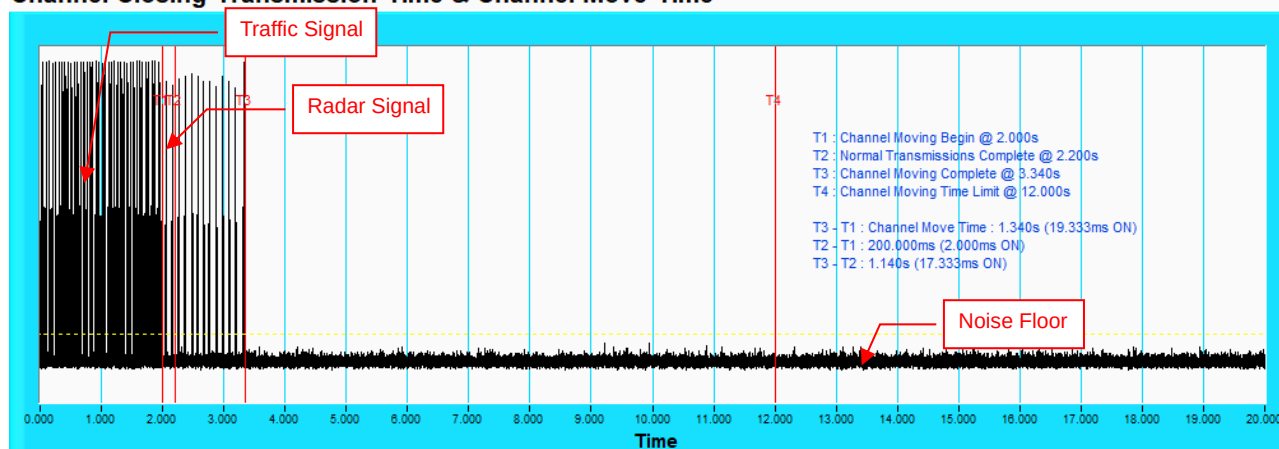


NOTE: An expanded plot for the device vacates the channel in the required 500ms.

Radar Signal 0

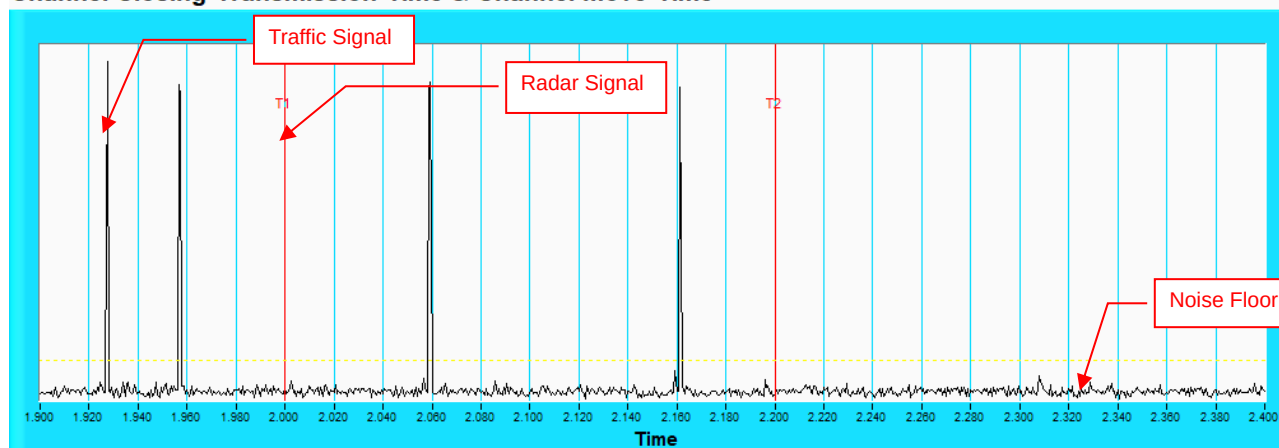
802.11ax HE40

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time

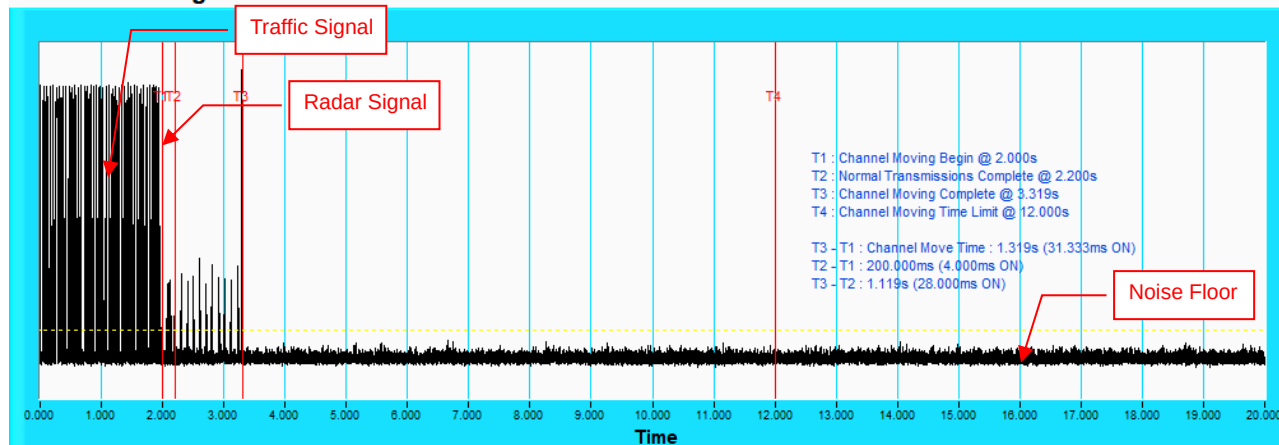


NOTE: An expanded plot for the device vacates the channel in the required 500ms.

Radar Signal 0

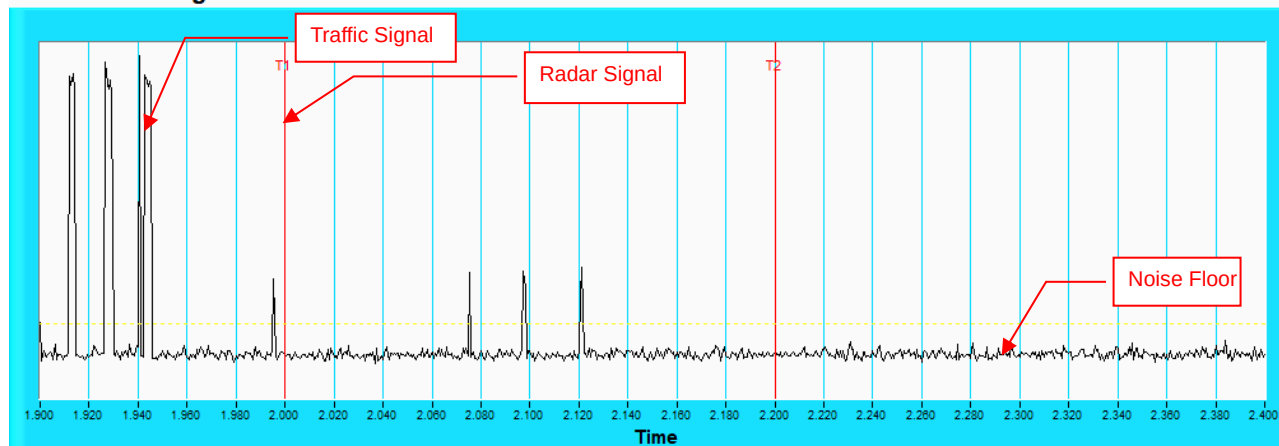
802.11ax HE80

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time



NOTE: An expanded plot for the device vacates the channel in the required 500ms.

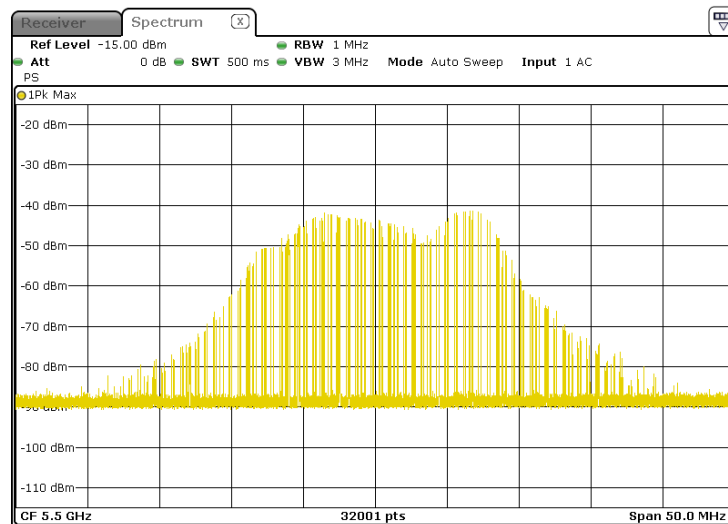
5.2.3 Non-Occupancy Period

Associate test:

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

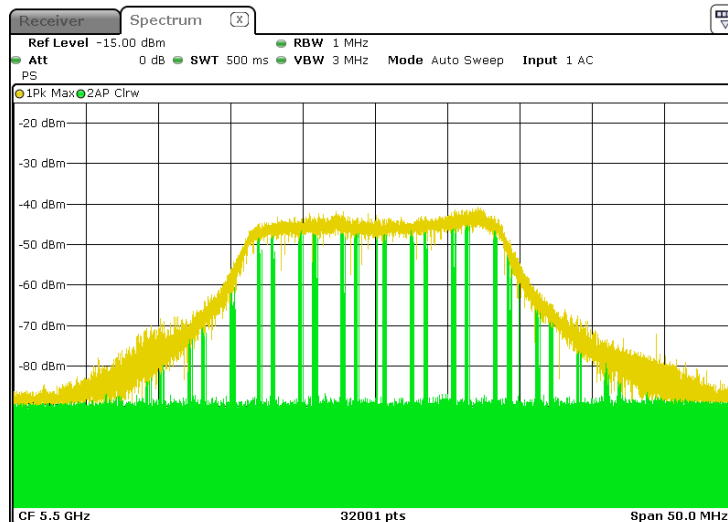
- 1) EUT (Client) links with master on 5500MHz.

Waveform of EUT links up with Master



- 2) Client plays specified files via master.

Waveform of transmission



3) Radar signal 0 is applied to the Master device and WiFi traffic signal stop immediately.

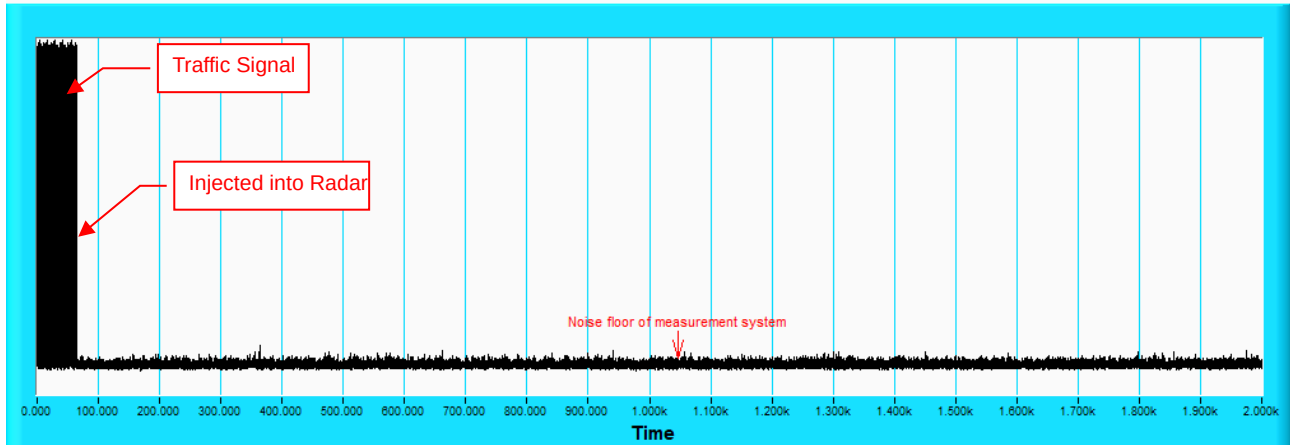
Radar signal applied to the master and traffic stopped as described in section 5.2.2.

4) 5500MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

802.11ax HE20

Non - Occupancy Period

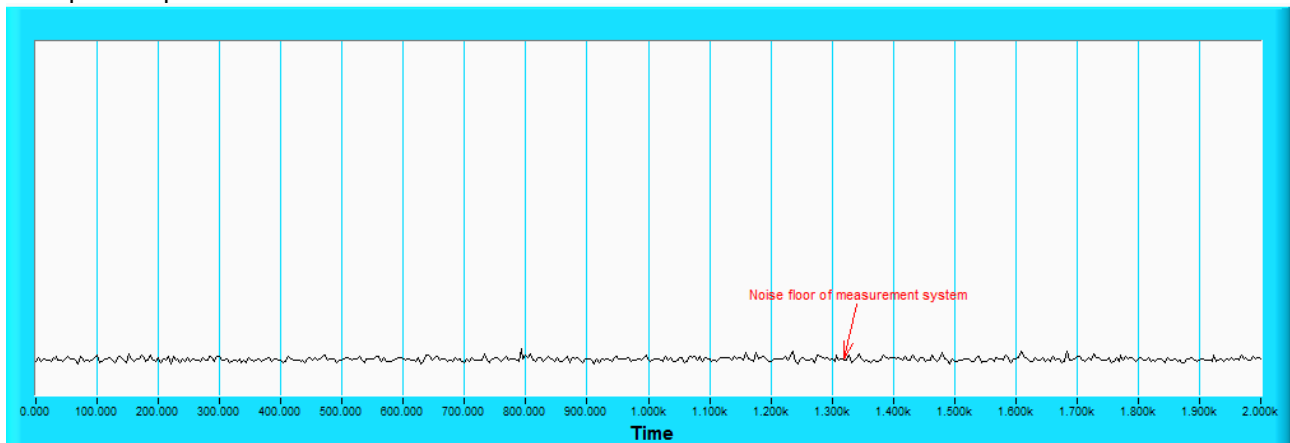


NOTE: Test setup are shown on Test set up photo.pdf

5.2.4 Non-Associated Test

Master was off.

During the 30 minutes observation time, The UUT did not make any transmissions in the DFS band after UUT power up.



5.2.5 Non- Co-Channel Test

The UUT was investigated after radar was detected and confirmed that no co-channel operation with radars.

15 檢測實驗室基本資料

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

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：

Tel: 886-2-26052180

Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：

Tel: 886-3-6668565

Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

您也可以在我们的網站內找到各實驗室的地圖。

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