低功率射頻電機技術規範測試報告

報告編號.	RT160913E02F
申請者	網件有限公司
產品名稱	AC1750 Smart WiFi Router
型號	R6400v2
系列型號	R6700v3
製造廠商	Netgear, Inc.
商標或廠牌	NETGEAR
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電機技術規範 107 年 1 月修訂
試驗結果	合格

香港商立德國際商品試驗有限公司桃園分公司 新竹實驗室
日期 107 年 07 月 18 日

報告簽署人簽章: 陳瓊美

目　　錄

報告發行紀錄 5

1　低功率射頻電機量測記錄表 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 18
2.3　測試架構圖 19

3　適用規範 20

3.1　規範要求 20
3.2　限制使用之頻帶 24

2.4 GHz 頻段測試紀錄結果 25

4　帶外發射之量測 25

4.1　適用標準 25
4.2　量測方法 25
4.3　量測儀器 26
4.4　測試配置 30
4.5　場強度之計算 30
4.6　量測結果 31
4.6.1　發射諧波 31
4.6.2　接收諧波 55
4.6.3　其它不必要之訊號 61
4.7　量測結果判定 63
4.8　配置照片 63

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 (模式一) 66
5.7　量測結果 (模式二) 68
5.8　量測結果判定 69
5.9　配置照片 69

6　6 dB 頻寬之要求 70

6.1　適用標準 70
6.2　量測方法 70
6.3　量測儀器 70
6.4　測試配置 70
6.5　量測結果 71
6.6　量測結果判定 72

7　傳導輸出功率之量測 73

7.1　適用標準 73
7.2　量測方法 73
7.3　量測儀器 73
7.4　測試配置 73
7.5　量測結果 74

7.6 量測結果判定 74

8 功率頻譜密度之量測 75

8.1 適用標準 75
8.2 量測方法 75
8.3 量測儀器 75
8.4 測試配置 75
8.5 量測結果 76
8.6 量測結果判定 78

U-NII 頻段測試紀錄結果 79

9 帶外發射之量測 79

9.1 適用標準 79
9.2 量測方法 79
9.3 量測儀器 80
9.4 帶外發射之測試配置 84
9.5 場強度之計算 84
9.6 帶外發射之量測結果 85
9.6.1 發射諧波 85
9.6.2 接收諧波 161
9.6.3 其它不必要之訊號 185
9.7 量測結果判定 186
9.8 輻射量測之配置照片 186

10 電源線傳導干擾之量測 187

10.1 適用標準 187
10.2 量測方法 187
10.3 量測儀器 187
10.4 測試配置 187
10.5 干擾值之計算 187
10.6 量測結果 (模式一) 188
10.7 量測結果 (模式二) 190
10.8 量測結果判定 191
10.9 配置照片 191

11 傳導輸出功率量測及發射頻寬之要求 192

11.1 適用標準 192
11.2 量測方法 192
11.3 量測儀器 192
11.4 測試配置 193
11.5 峰值傳導輸出功率之量測結果 194
11.6 量測結果判定 200

12 功率頻譜密度之量測 201

12.1 適用標準 201
12.2 量測方法 201
12.3 量測功率頻譜密度之儀器 203
12.4 功率頻譜密度之測試配置 203
12.5 功率頻譜密度之量測結果 204
12.6 量測結果判定 211

13 6 dB 頻寬之要求 212

13.1 適用標準 212

13.2 量測方法 212
13.3 量測儀器 212
13.4 測試配置 212
13.5 量測結果 213
13.6 量測結果判定 214

14 電波暴露量之評估 215

14.1 適用標準 215
14.2 評估方法 215
14.3 評估結果 215

15 Radiated Out of Band Emisison (OOBE) Measurement (For U-NII-3 Band)..... 216

16 檢測實驗室基本資料 234

報告發行紀錄

Issue No.	Description	Date Issued
RT160913E02F	Original release.	107 年 07 月 18 日

證 明 書

產 品 名 稱： AC1750 Smart WiFi Router
商 標： NETGEAR
型 號： R6400v2
系 列 型 號： R6700v3
申 請 者： 網件有限公司
量 測 規 範： 低功率射頻電機技術規範 LP0002
ANSI C63.10-2013

香港商立德國際商品試驗有限公司桃園分公司在此證明上述待測設備樣品(型號：R6400v2)，收件日期 105 年 09 月 13 日，於 105 年 09 月 22 日至 106 年 10 月 27 日，已在本公司的標準測試場地完成量測。報告中所描述之測試結果和待測設備的架構組合，均根據樣品實際的量測情況作詳實的記錄。

立德桃園分公司依"**低功率射頻電機技術規範**"、"**低功率電波輻射性電機管理辦法**"及"**電信管制射頻器材審驗辦法**"製作測試結果報告。

特 此 證 明 ！

報告製作者： 吳苡臻 ， 日 期： 107 年 07 月 18 日
吳 苡 臻 / 專員

審 核 者： 陳瓊美 ， 日 期： 107 年 07 月 18 日
陳 瓊 美 / 經理

香港商立德國際商品試驗有限公司桃園分公司
實驗室地址：300 新竹市科學工業園區力行一路 1 號 E-2

此份報告不得摘錄複製，除全份
複製外，需經實驗室書面同意。

1 低功率射頻電機量測記錄表

申請廠商: 網件有限公司

製造廠商: Netgear, Inc.

申請廠商地址: 台北市內湖區基湖路 3 巷 9 號 3 樓

廠牌: NETGEAR

產品名稱: AC1750 Smart WiFi Router

型號: R6400v2

系列型號: R6700v3

量測單位名稱: 香港商立德國際商品試驗有限公司桃園分公司 新竹實驗室

量測單位地址: 300 新竹市科學工業園區力行一路 1 號 E-2

量測單位認可編號: TAF 2022

量 測 規 範: 低功率射頻電機技術規範 LP0002
ANSI C63.10-2013
KDB 558074
KDB 662911
KDB 789033

WLAN 2.4GHz 頻段概要

項次	量測項目	規　　範	量測結果判定
1	帶外發射	低功率射頻電機技術規範 3.10.1.5 節	合格
2	電源線傳導干擾	低功率射頻電機技術規範 2.3 節	合格
3	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6 節	合格
4	峰值傳導輸出功率	低功率射頻電機技術規範 3.10.1.2 節	合格
5	功率頻譜密度	低功率射頻電機技術規範 3.10.1.6 節	合格

WLAN 5.150~5.250GHz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	低功率射頻電機技術規範2.3節	合格
2	帶外發射	低功率射頻電機技術規範4.7.4節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範4.7.3.1節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範4.7.3.1節	合格

WLAN 5.250~5.350GHz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	低功率射頻電機技術規範2.3節	合格
2	帶外發射	低功率射頻電機技術規範4.7.4節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範4.7.3.2節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範4.7.3.2節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻電機技術規範4.7.7.1及4.7.7.2 節	合格(註)

註: 此份測試報告未包含發射功率控制(TPC)及動態頻率選擇(DFS)量測項目，請參閱DFS報告

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	低功率射頻電機技術規範2.3節	合格
2	帶外發射	低功率射頻電機技術規範4.7.4節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範4.7.3.2節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範4.7.3.2節	合格
5	發射功率控制(TPC)及動態頻率選擇(DFS)	低功率射頻電機技術規範4.7.7.1及4.7.7.2 節	合格(註)

註: 此份測試報告未包含發射功率控制(TPC)及動態頻率選擇(DFS)量測項目，請參閱DFS報告

WLAN 5.725~5.850GHz 頻段概要

項次	量測項目	規　　範	量測結果判定
1	電源線傳導干擾	低功率射頻電機技術規範2.3節	合格
2	帶外發射	低功率射頻電機技術規範4.7.4節	合格
3	最大傳導輸出功率	低功率射頻電機技術規範4.7.3.3節	合格
4	最大功率頻譜密度	低功率射頻電機技術規範4.7.3.3節	合格
5	6dB 頻寬	低功率射頻電機技術規範4.7.5節	合格

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

項次	量測項目	規　　範	量測結果判定
1	電波暴露量	低功率射頻電機技術規範第 5.20.2 節	合格

2 一般敘述

2.1 待測設備

產 品 名 稱 ：	AC1750 Smart WiFi Router
型 號 ：	R6400v2
系 列 型 號 ：	R6700v3
額 定 電 源 ：	12Vdc from power adapter
調 變 方 式 ：	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM 256QAM for OFDM in 11ac mode only
調 變 技 術 ：	DSSS, OFDM
傳 輸 速 率 ：	802.11b: up to 11Mbps 802.11a/g: up to 54Mbps 802.11n: up to 450Mbps 802.11ac: up to 1300Mbps
載 波 頻 率 ：	**2.4GHz:** 2.412 ~ 2.462GHz **5GHz:** 5.18~ 5.24GHz, 5.26 ~ 5.32GHz, 5.50 ~ 5.70GHz, 5.745 ~ 5.825GHz
頻 道 數 ：	**2.4GHz:** 802.11b, 802.11g, 802.11n (HT20), VHT20: 11 802.11n (HT40), VHT40: 7 **5GHz:** 802.11a, 802.11n (HT20), 802.11ac (VHT20): 24 802.11n (HT40), 802.11ac (VHT40): 11 802.11ac (VHT80): 5
發 射 功 率 ：	**2.4GHz:** 27.49 dBm **5GHz:** **CDD Mode:** **5.18 ~ 5.24GHz:** 27.19 dBm **5.26 ~ 5.32GHz:** 23.32 dBm **5.50 ~ 5.72GHz:** 23.23 dBm **5.745 ~ 5.825GHz:** 29.61 dBm **Beamforming Mode:** **5.18 ~ 5.24GHz:** 27.66 dBm **5.26 ~ 5.32GHz:** 23.33 dBm **5.50 ~ 5.72GHz:** 23.51 dBm **5.745 ~ 5.825GHz:** 29.53 dBm
天 線 種 類 ：	見註
電 源 線 類 別 ：	見註
信 號 線 類 別 ：	NA
配 件 ：	Adapter x 1

註

1. 此待測設備依銷售需求而設有下列型號,詳列如下：

Brand	Model Name	Different
NETGEAR	R6400v2	for Marketing
	R6700v3	Remove USB 2.0

此次測試選擇 R6400v2 為代表測試。

2. 同一時間發射條件如下:

Condition	Technology	
1	WLAN (2.4GHz)	WLAN (5GHz)
Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.		

3. 此待測設備搭配使用之電源供應器規格如下:

No	Brand Name	Model No.	PN	Spec.
1	NETGEAR	2ABL030F 1 NA	332-10758-01	Input: 100-120Vac, 50/60Hz, 1.0A Output: 12Vdc, 2.5A DC output cable (Unshielded, 1.8m)
2	NETGEAR	AD2067F10	332-10797-01	Input: 100-120Vac, 50/60Hz, 1.0A Output: 12Vdc, 2.5A DC output cable (Unshielded, 1.8m)
Note: From the above adapters, the radiated emission worse case was found in Adapter 2. Therefore only the test data of the mode was recorded in this report.				

4. 此待測設備搭配測試的天線，其資料如下:

Frequency range (MHz)	Directional Antenna Gain (dBi)
2412 ~ 2462	5.65
5180 ~ 5240	5.95
5260 ~ 5320	5.95
5500 ~ 5700	5.98
5745 ~ 5825	5.98

5. 此待測物之技術的種類為 3TX / 3RX 之組合。

2.4GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11b	1 ~ 11Mbps	3TX	3RX
802.11g	6 ~ 54Mbps	3TX	3RX
802.11n (HT20)	MCS 0~7	3TX	3RX
	MCS 8~15	3TX	3RX
	MCS16~23	3TX	3RX
802.11n (HT40)	MCS 0~7	3TX	3RX
	MCS 8~15	3TX	3RX
	MCS16~23	3TX	3RX
5GHz Band			
MODULATION MODE	**DATA RATE (MCS)**	**TX & RX CONFIGURATION**	
802.11a	6 ~ 54Mbps	3TX	3RX
802.11n (HT20)	MCS 0~7	3TX	3RX
	MCS 8~15	3TX	3RX
	MCS16~23	3TX	3RX
802.11n (HT40)	MCS 0~7	3TX	3RX
	MCS 8~15	3TX	3RX
	MCS16~23	3TX	3RX
802.11ac (VHT20)	MCS0~8 Nss=1	3TX	3RX
	MCS0~8 Nss=2	3TX	3RX
	MCS0~9 Nss=3	3TX	3RX
802.11ac (VHT40)	MCS0~9 Nss=1	3TX	3RX
	MCS0~9 Nss=2	3TX	3RX
	MCS0~9 Nss=3	3TX	3RX
802.11ac (VHT80)	MCS0~9 Nss=1	3TX	3RX
	MCS0~9 Nss=2	3TX	3RX
	MCS0~9 Nss=3	3TX	3RX

Note:
1. All of modulation mode support beamforming function except 802.11a modulation mode and 2.4GHz band.
2. The modulation and bandwidth are similar for 802.11n mode for 20MHz (40MHz) and 802.11ac mode for 20MHz (40MHz), therefore investigated worst case to representative mode in test report.
3. The EUT support Beamforming and CDD mode, therefore both mode were investigated and the worst case scenario was identified. The worst case data were presented in test report.

6. 此報告中，場強輻射量測經過評估後以下列測試模式進行最終量測。

量測項目	發射	接收
2412 ~ 2462MHz		
1GHz 以上量測	802.11b: Ch 1, 6, 11 802.11g: Ch 1, 6, 11 802.11n (HT20): Ch 1, 6, 11 802.11n (HT40): Ch 3, 6, 9	Ch 1, 6, 11
其它不必要之訊號	802.11b : Ch 6	Ch 6
5180 ~ 5240MHz		
1GHz 以上量測	802.11a: Ch 36, 40, 48 802.11ac (VHT20): Ch 36, 40, 48 802.11ac (VHT40): Ch 38, 46 802.11ac (VHT80): Ch 42	Ch 36, 40, 48
5260 ~ 5320MHz & 5500 ~ 5720MHz		
1GHz 以上量測	802.11a: Ch 52, 60, 64, 100, 116, 140 802.11ac (VHT20): Ch 52, 60, 64, 100, 116, 140 802.11ac (VHT40): Ch 54, 62, 102, 110, 134 802.11ac (VHT80): Ch 58, 106, 122	Ch 52, 60, 64, 100, 116, 140
5745 ~ 5825MHz		
1GHz 以上量測	802.11a: Ch 149, 157, 165 802.11ac (VHT20): Ch 149, 157, 165 802.11ac (VHT40): Ch 151, 159 802.11ac (VHT80): Ch 155	Ch 149, 157, 165
其它不必要之訊號	802.11ac (VHT40): Ch 110	Ch 110

*電源線傳導干擾量測經過評估後，2412 ~ 2462MHz以802.11b : Ch 6測試模式進行最終量測，5180 ~ 5825MHz以802.11ac (VHT40): Ch 110測試模式進行最終量測。

7. 待測設備的測試模式如下:

電源線傳導干擾	
測試模式	描述
一	Power from adapter 2
二	Power from adapter 1
場強輻射	
測試模式	描述
一	Power from adapter 2

8. Duty cycle of test signal.

2.4GHz頻段

If duty cycle of test signal is ≥ 98 %, duty factor is not required.

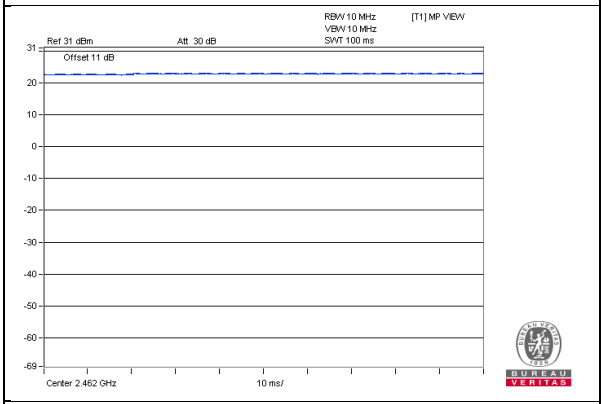
802.11b: duty cycle of test signal is 100 %

802.11g: Duty cycle = 2.063/2.084 = 0.99

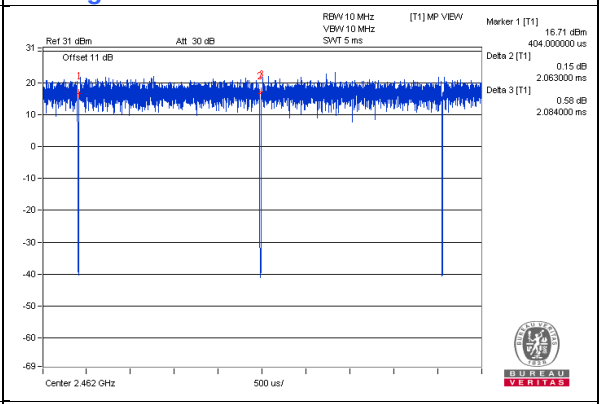
802.11n (HT20): Duty cycle = 1.919/1.914 = 0.989

802.11n (HT40): Duty cycle = 0.946/0.962 = 0.983

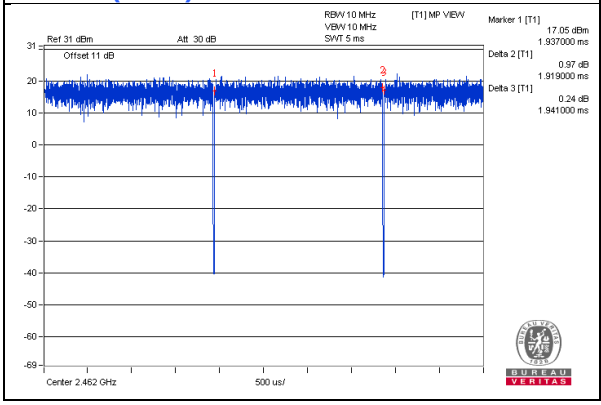
802.11b



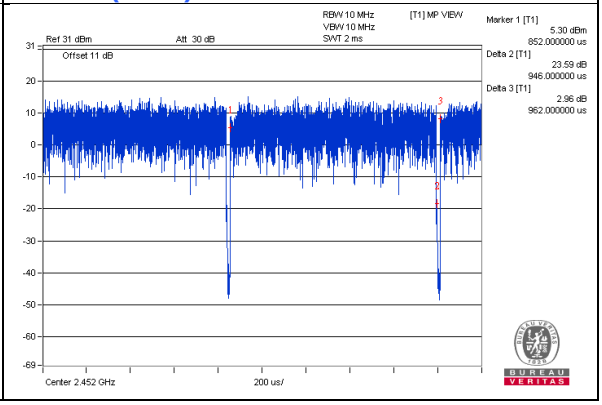
802.11g



802.11n (HT20)



802.11n (HT40)

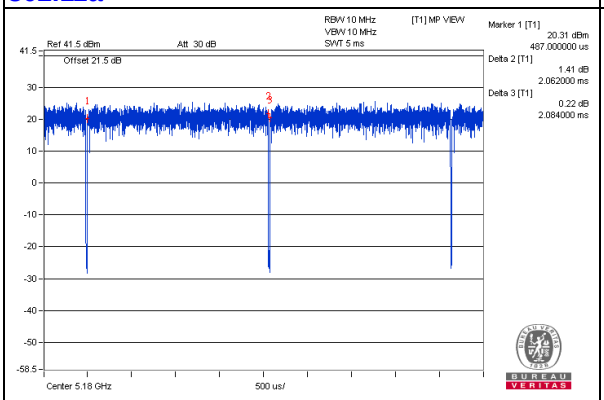


5GHz 頻段

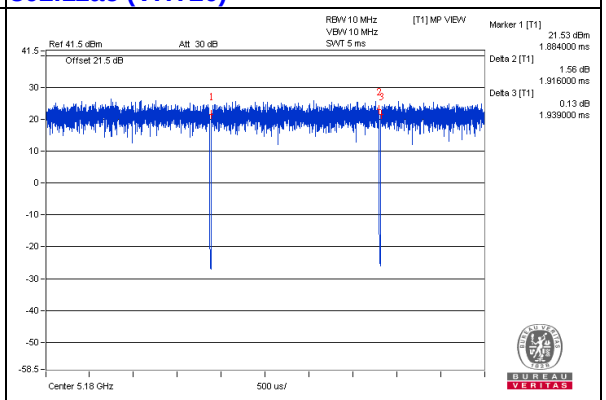
If duty cycle of test signal is ≥ 98 %, duty factor is not required.
If duty cycle of test signal is < 98%, duty factor shall be considered.

802.11a: Duty cycle = 2.062 ms/2.084 ms = 0.989
802.11ac (VHT20): Duty cycle = 1.916 ms/1.939 ms = 0.988
802.11ac (VHT40): Duty cycle = 1.178 ms/1.201 ms = 0.981
802.11ac (VHT80): Duty cycle = 0.459 ms/0.477 ms = 0.962, Duty factor = 10 * log(1/0.962) = 0.17

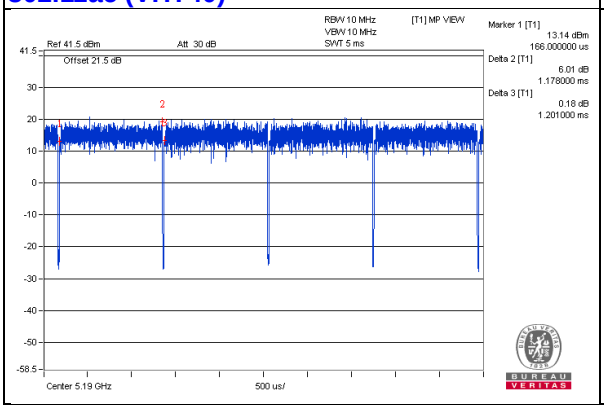
802.11a



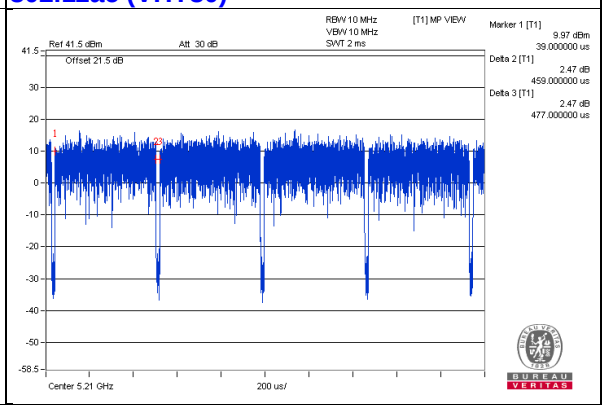
802.11ac (VHT20)



802.11ac (VHT40)



802.11ac (VHT80)



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:

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:

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

5GHz 頻段:

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

頻道	對應頻率	頻道	對應頻率
36	5180 MHz	116	5580 MHz
40	5200 MHz	120	5600 MHz
44	5220 MHz	124	5620 MHz
48	5240 MHz	128	5640 MHz
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):

頻道	對應頻率	頻道	對應頻率
38	5190 MHz	118	5590 MHz
46	5230 MHz	126	5630 MHz
54	5270 MHz	134	5670 MHz
62	5310 MHz	151	5755 MHz
102	5510 MHz	159	5795 MHz
110	5550 MHz		

802.11ac (VHT80):

頻道	對應頻率	頻道	對應頻率
42	5210MHz	122	5610 MHz
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:160913E02F。

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。

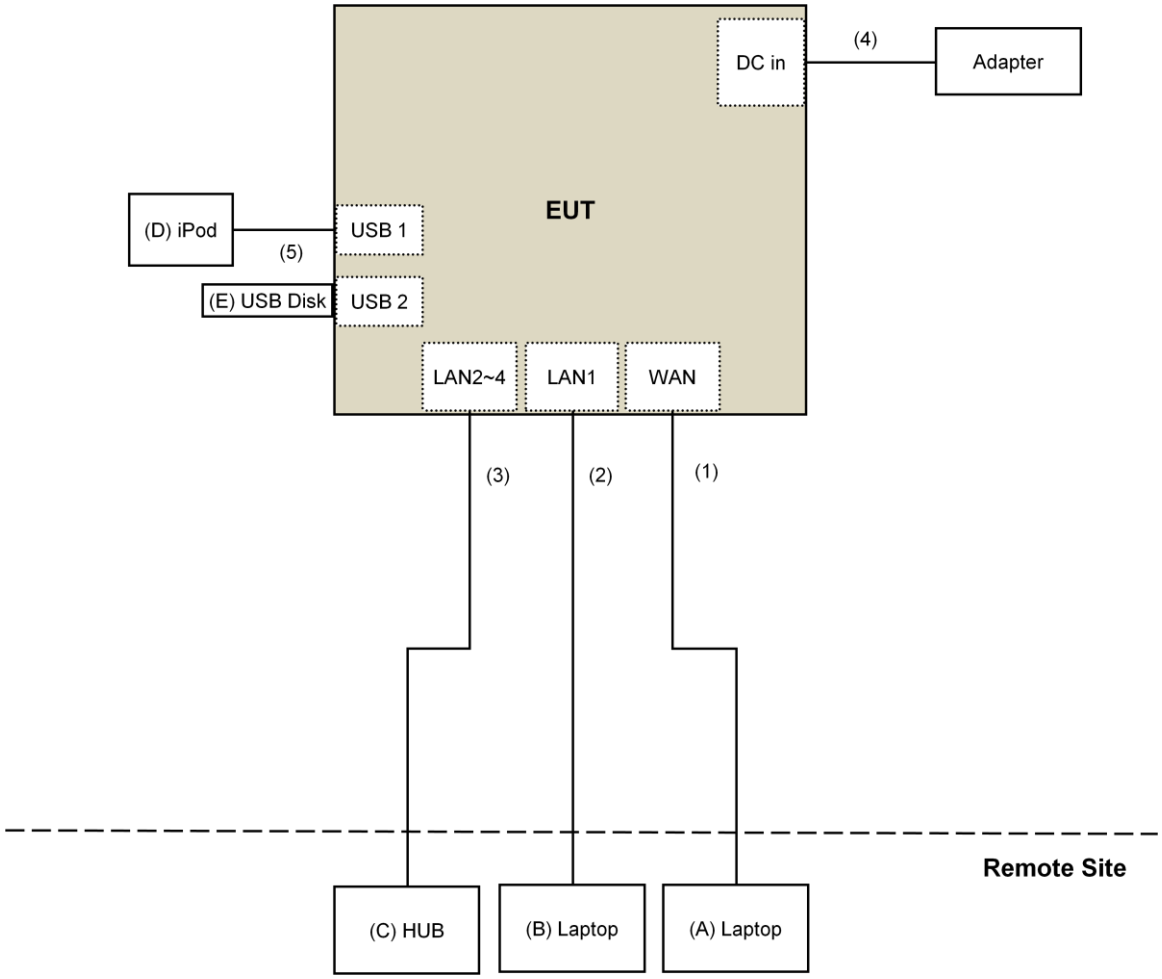
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Laptop	DELL	E5430	4YV4VY1	FCC DoC	Provided by Lab
B.	Laptop	DELL	E5430	HYV4VY1	FCC DoC	Provided by Lab
C.	HUB	ZyXEL	ES-116P	S060H02000215	FCC DoC	Provided by Lab
D.	iPod	Apple	MC749TA/A	CC4DN25WDFDM	NA	Provided by Lab
E.	USB Disk	Transcend(16GB)	NA	NA	NA	Provided by Lab

Note:

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	RJ-45 Cable	1	10	No	0	Provided by Lab
2.	RJ-45 Cable	1	10	No	0	Provided by Lab
3.	RJ-45 Cable	3	10	No	0	Provided by Lab
4.	DC Cable	1	1.8	No	0	Supplied by client
5.	USB Cable	1	0.1	Yes	0	Provided by Lab

2.3 測試架構圖


DC in
(4)
Adapter
EUT
(D) iPod
USB 1
(5)
(E) USB Disk
USB 2
LAN2~4
LAN1
WAN
(3)
(2)
(1)
Remote Site
(C) HUB
(B) Laptop
(A) Laptop

3 適用規範

3.1 規範要求

(1)傳導之規定

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

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

(註)：隨頻率之對數遞減。

(2)帶外發射之規定

(I) 操作於 2.4000~2.4835 GHz band:

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

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

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

(III) 操作於 5.725 GHz~5.850 GHz 頻段:

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

在5.725 GHz～5.850 GHz 頻段操作且天線增益大於10dBi 之設備於106 年3 月2日前得適用3.10.1.5帶外發射限制；在5.725 GHz～5.850 GHz 頻段操作且天線增益小於等於10dBi之設備於107年3月2 日前得適用3.10.1.5帶外發射限制規定。

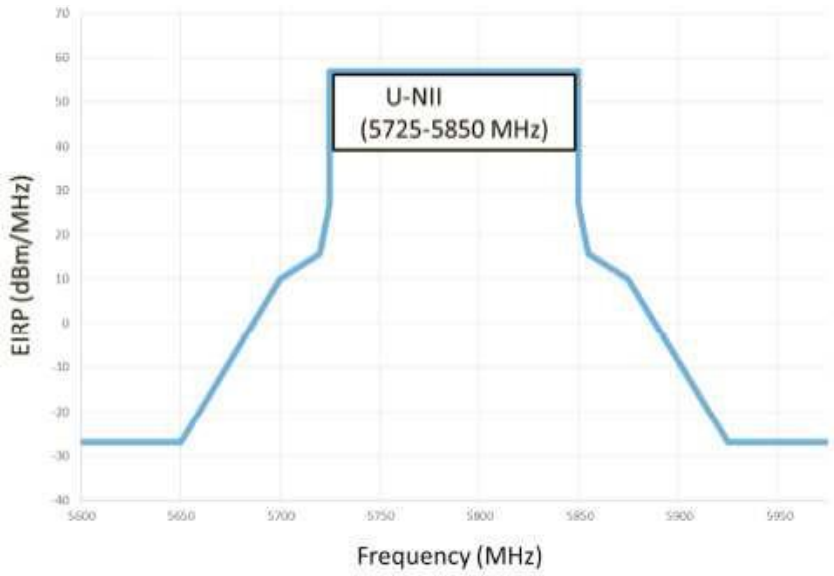


圖 1

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

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

(3)天線之規定

天線規格不受第 2.2 節規定之限制。

(4)天線增益之要求

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

(I) 操作於 2400 MHz～2483.5 MHz 頻段：

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

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

(a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合 3.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過6 dBi，每超過3 dBi，總和傳導輸出功率限制值應降低1 dB。方向性增益值應計算如下：

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

(ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。

(b) 同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加8 dB。方向性增益值計算同(a)。

(c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

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

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

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

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

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

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

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

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

(IV) 操作於 5.725 GHz~5.850 GHz 頻段:

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

率限制值。

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

(5) 6dB 頻寬之要求

(I) 操作於 2400 MHz～2483.5 MHz 頻段：

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

(II) 操作於 5.725 GHz~5.850 GHz 頻段:

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

(6)傳導輸出功率之要求

(I) 操作於 2.4000~2.4835 GHz band:

依據國家通訊傳播委員會低功率射頻電機技術規範 3.10.1.2 節之規定：

數位調變技術系統：1 W(含)以下。

(II) 操作於 5.15 GHz~5.25 GHz 頻段:

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.1 節之要求:

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

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

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

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

(IV) 操作於 5.725 GHz~5.850 GHz 頻段:

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

(7)功率頻譜密度之要求

(I) 操作於 2.4000~2.4835 GHz band:

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

(II) 操作於 5.15 GHz~5.25 GHz 頻段:

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.3.1 節之要求:

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

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

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

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

(IV) 操作於5.725 GHz~5.850 GHz頻段:

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

(8)發射功率控制(TPC)及動態頻率選擇(DFS)之要求

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

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

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

(1) 最低動態頻率選擇的偵測門檻
   (A) 最大EIRP 為200 mW～1 W之設備，其最低動態頻率選擇的偵測門檻值為-64dBm。
   (B) 最大EIRP 低於200 mW，且功率頻譜密度小於10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-62 dBm。
   (C) 最大EIRP 低於200 mW，且功率頻譜密度大於或等於10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-64 dBm。
   (D) 此偵測門檻值為1 微秒內之平均接收功率，並以0 dBi 天線為參考基準。頻道初始設定得由系統隨機選取或使用者手動選取。
(2) 操作模式：動態頻率選擇之規定適用於以下之操作模式：
   (A) 頻道可用性檢查時間之規定，適用於主控運作模式。
   (B) 頻道移動時間之規定，適用於主控及受控運作模式。
(3) 頻道可用性檢查時間：設備必須檢查其可在某一頻道上起始傳送之前是否有雷達系統已經操作在該頻道上，以及何時其必須移動到另一新的頻道，在60 秒內若沒有偵測到功率位準大過上述之干擾門檻值的雷達訊號時，設備才可開始使用該頻道。
(4) 頻道移動時間：在偵測到雷達的存在後，所有在該操作頻道上的所有傳輸須在10秒內停止，在偵測到雷達訊號後，該期間內的傳輸應維持最多200 毫秒的正常通訊。另外，間歇性的管理與控制訊號可在剩餘的時間中傳送，以便撤離該操作頻道。
(5) 不可佔用期間：某一頻道已被頻道可用性檢查或”服務中”監視顯示含有雷達系統，至少須有30 分鐘的不可佔用期間。不可佔用期間起始於偵測到雷達系統的當時。

(9)無線資訊傳輸設備必須擁有安全功能之要求:

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

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

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

(12)電波暴露量之評估

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

限制值如下：

(1) 職業性/可控制之暴露

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

註 1：標記*表平面波等效功率密度。

註 2：f 表測試頻率，單位：MHz。

(2) 一般人/不可控制之暴露

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

註 1：標記*表平面波等效功率密度。
註 2：f 表測試頻率，單位：MHz。

3.2 限制使用之頻帶

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

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

2.4 GHz 頻段測試紀錄結果

4 帶外發射之量測

4.1 適用標準

請見本報告 3.1 節第 2 項(I)的規定。

4.2 量測方法

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

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

4.3 量測儀器

For 2.4GHz 802.11b, 802.11n (HT40) above 1GHz test:
For 5GHz 802.11ac (VHT20), 802.11ac (VHT80) above 1GHz test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Keysight	N9038A	MY54450088	July 08, 2017	July 07, 2018
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Dec. 27, 2016	Dec. 26, 2017
Pre-Amplifier EMCI	EMC12630SE	980385	Feb. 02, 2017	Feb. 01, 2018
RF Cable	EMC104-SM-SM-1200 EMC104-SM-SM-2000 EMC104-SM-SM-5000	160923 150318 150321	Feb. 02, 2017 Mar. 29, 2017 Mar. 29, 2017	Feb. 01, 2018 Mar. 28, 2018 Mar. 28, 2018
Pre-Amplifier EMCI	EMC184045SE	980387	Feb. 02, 2017	Feb. 01, 2018
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 15, 2016	Dec. 14, 2017
RF Cable	SUCOFLEX 102	36432/2 36433/2	Jan. 15, 2017	Jan. 14, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 4.
4. The CANADA Site Registration No. is 20331-2
5. Loop antenna was used for all emissions below 30 MHz.
6. 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	Value
Radiated emissions (1GHz ~6GHz)	5.16 dB
Radiated emissions (6GHz ~18GHz)	4.91 dB
Radiated emissions (18GHz ~40GHz)	5.30 dB

For 2.4GHz other above 1GHz test:
For 5GHz other above 1GHz (UNII-1 & UNII-3) test

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 20, 2016	July 19, 2017
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Jan. 19, 2016	Jan. 18, 2017
Pre-Amplifier Agilent	8449B	3008A01922	Sep. 18, 2016	Sep. 17, 2017
RF Cable	EMC104-SM-SM-2000 EMC104-SM-SM-5000 EMC104-SM-SM-5000	150318 150323 150324	Mar. 30, 2016	Mar. 29, 2017
Pre-Amplifier EMCI	EMC184045	980143	Jan. 15, 2016	Jan. 14, 2017
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Jan. 08, 2016	Jan. 07, 2017
RF Cable	SUCOFLEX 102	36432/2 36441/2	Jan. 16, 2016	Jan. 15, 2017
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA
Spectrum Analyzer R&S	FSP40	100060	May 11, 2016	May 10, 2017
Power meter Anritsu	ML2495A	1014008	May 5, 2016	May 4, 2017
Power sensor Anritsu	MA2411B	0917122	May 5, 2016	May 4, 2017

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 966 Chamber No. 4.
3. The CANADA Site Registration No. is 20331-2
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	Value
Radiated emissions (1GHz ~6GHz)	3.43 dB
Radiated emissions (6GHz ~18GHz)	3.49 dB
Radiated emissions (18GHz ~40GHz)	4.11 dB

For 5GHz other above 1GHz (UNII-2A & UNII-2C) test

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 20, 2016	July 19, 2017
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Jan. 19, 2016	Jan. 18, 2017
Pre-Amplifier Agilent	8449B	3008A01922	Sep. 18, 2016	Sep. 17, 2017
RF Cable	EMC104-SM-SM-2000 EMC104-SM-SM-5000 EMC104-SM-SM-5000	150318 150323 150324	Mar. 30, 2016	Mar. 29, 2017
Pre-Amplifier EMCI	EMC184045	980143	Jan. 15, 2016	Jan. 14, 2017
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Jan. 08, 2016	Jan. 07, 2017
RF Cable	SUCOFLEX 102	36432/2 36441/2	Jan. 16, 2016	Jan. 15, 2017
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA
Spectrum Analyzer R&S	FSv40	100964	June 28, 2016	June 27, 2017
Power meter Anritsu	ML2495A	1014008	May 5, 2016	May 4, 2017
Power sensor Anritsu	MA2411B	0917122	May 5, 2016	May 4, 2017
AC Power Source Extech Electronics	6205	1440452	NA	NA
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	Jan. 15, 2016	Jan. 14, 2017
Digital Multimeter FLUKE	87III	73680266	Nov. 10, 2016	Nov. 09, 2017

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 966 Chamber No. 4.
3. The CANADA Site Registration No. is 20331-2
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	Value
Radiated emissions (1GHz ~6GHz)	3.43 dB
Radiated emissions (6GHz ~18GHz)	3.49 dB
Radiated emissions (18GHz ~40GHz)	4.11 dB

For 2.4GHz below 1GHz test:
For 5GHz below 1GHz test:

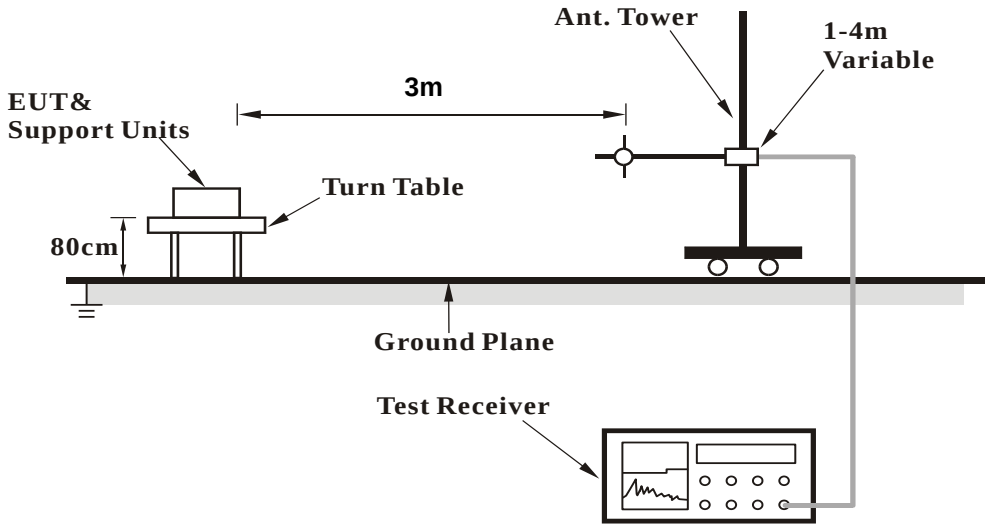
DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Agilent	N9038A	MY50010156	July 12, 2017	July 11, 2018
Pre-Amplifier(*) EMCI	EMC001340	980142	Jan. 20, 2016	Jan. 19, 2018
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 17, 2017	Jan. 16, 2018
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	May 06, 2017	May 05, 2018
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Dec. 29, 2016	Dec. 28, 2017
RF Cable	8D	966-3-1 966-3-2 966-3-3	Apr. 01, 2017	Mar. 31, 2018
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Oct. 03, 2017	Oct. 02, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA

Note:
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 3.
4. The CANADA Site Registration No. is 20331-1
5 Loop antenna was used for all emissions below 30 MHz.
6. 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.

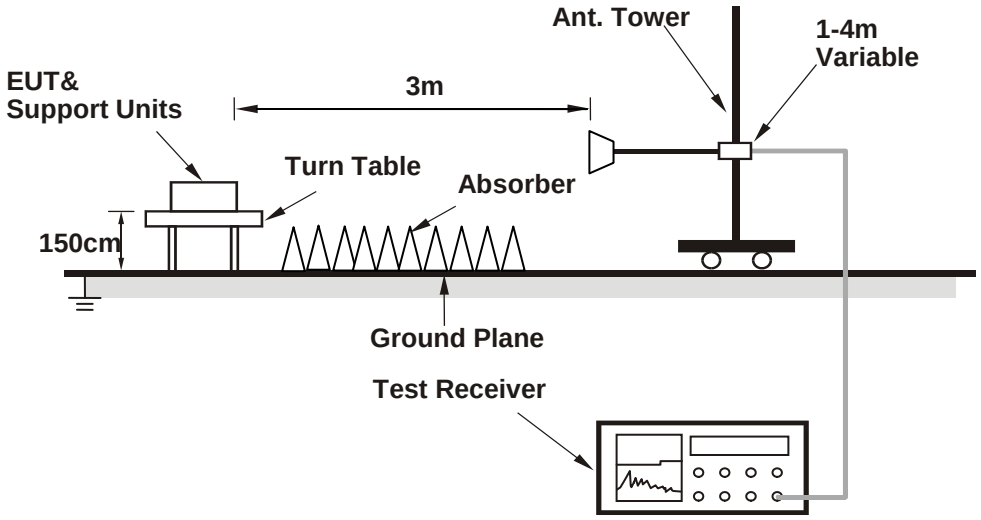
Measurement	Value
Radiated emissions (30MHz-1GHz)	5.32 dB

4.4 測試配置

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



4.5 場強度之計算

場強之計算公式如下：

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

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

量測結果請見下頁。

4.6 量測結果

4.6.1 發射諧波

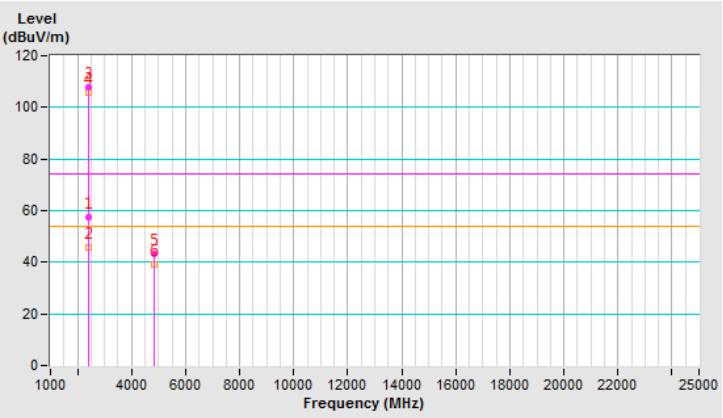
802.11b

操 作 模 式 ：	發射	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度 ：	22℃	量測場地濕度 ：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	57.7 PK	74.0	-16.3	1.11 H	115	59.0	-1.3
2	2390.00	46.0 AV	54.0	-8.0	1.11 H	115	47.3	-1.3
3	*2412.00	107.8 PK			1.11 H	115	108.9	-1.1
4	*2412.00	105.6 AV			1.11 H	115	106.7	-1.1
5	4824.00	43.1 PK	74.0	-30.9	1.10 H	88	39.9	3.2
6	4824.00	39.1 AV	54.0	-14.9	1.10 H	88	35.9	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

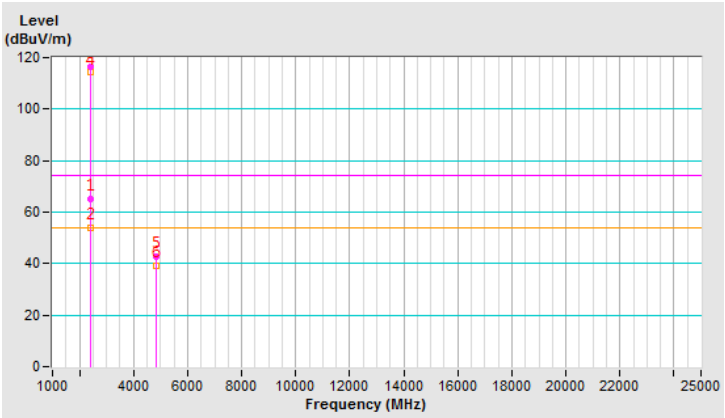


操 作 模 式 ：	發射	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	65.2 PK	74.0	-8.8	1.74 V	180	66.5	-1.3
2	2390.00	53.9 AV	54.0	-0.1	1.74 V	180	55.2	-1.3
3	*2412.00	116.5 PK			1.74 V	180	117.6	-1.1
4	*2412.00	114.2 AV			1.74 V	180	115.3	-1.1
5	4824.00	42.8 PK	74.0	-31.2	1.70 V	202	39.6	3.2
6	4824.00	39.0 AV	54.0	-15.0	1.70 V	202	35.8	3.2
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

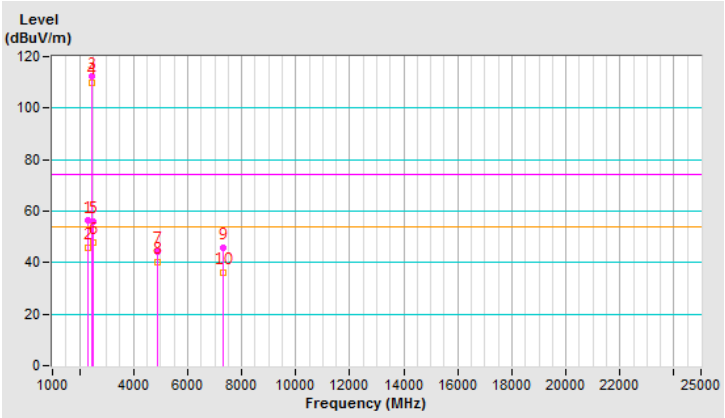


操 作 模 式 ：	發射	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2319.00	56.2 PK	74.0	-17.8	1.09 H	125	57.8	-1.6
2	2319.00	46.0 AV	54.0	-8.0	1.09 H	125	47.6	-1.6
3	*2437.00	112.2 PK			1.09 H	125	113.4	-1.2
4	*2437.00	109.9 AV			1.09 H	125	111.1	-1.2
5	2500.00	56.1 PK	74.0	-17.9	1.09 H	125	57.0	-0.9
6	2500.00	47.7 AV	54.0	-6.3	1.09 H	125	48.6	-0.9
7	4874.00	44.2 PK	74.0	-29.8	1.10 H	77	40.9	3.3
8	4874.00	40.3 AV	54.0	-13.7	1.10 H	77	37.0	3.3
9	7311.00	45.7 PK	74.0	-28.3	1.22 H	246	35.9	9.8
10	7311.00	36.3 AV	54.0	-17.7	1.22 H	246	26.5	9.8
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

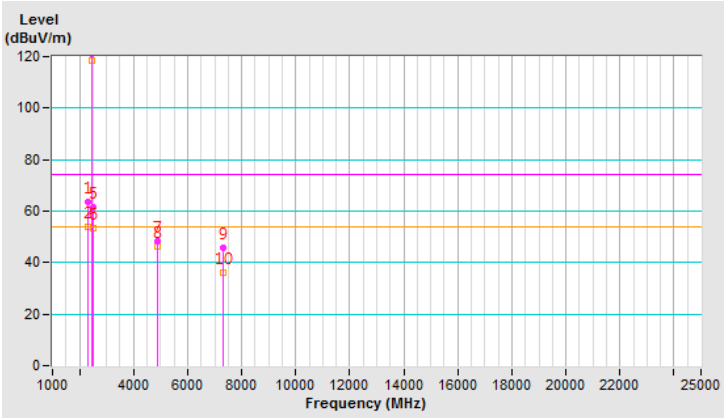


操 作 模 式 ：	發射	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2319.00	63.7 PK	74.0	-10.3	1.72 V	178	65.3	-1.6
2	2319.00	53.9 AV	54.0	-0.1	1.72 V	178	55.5	-1.6
3	*2437.00	120.9 PK			1.72 V	178	122.1	-1.2
4	*2437.00	118.5 AV			1.72 V	178	119.7	-1.2
5	2500.00	61.6 PK	74.0	-12.4	1.72 V	178	62.5	-0.9
6	2500.00	53.6 AV	54.0	-0.4	1.72 V	178	54.5	-0.9
7	4874.00	48.5 PK	74.0	-25.5	1.56 V	189	45.2	3.3
8	4874.00	46.4 AV	54.0	-7.6	1.56 V	189	43.1	3.3
9	7311.00	45.6 PK	74.0	-28.4	1.33 V	218	35.8	9.8
10	7311.00	36.2 AV	54.0	-17.8	1.33 V	218	26.4	9.8
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

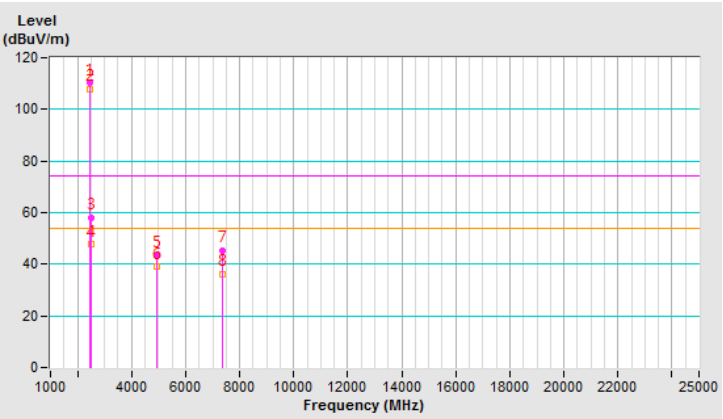


操 作 模 式 ：	發射	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	110.1 PK			1.10 H	118	111.2	-1.1
2	*2462.00	107.9 AV			1.10 H	118	109.0	-1.1
3	2500.00	57.8 PK	74.0	-16.2	1.10 H	118	58.7	-0.9
4	2500.00	47.6 AV	54.0	-6.4	1.10 H	118	48.5	-0.9
5	4924.00	43.2 PK	74.0	-30.8	1.12 H	88	39.7	3.5
6	4924.00	38.9 AV	54.0	-15.1	1.12 H	88	35.4	3.5
7	7386.00	45.2 PK	74.0	-28.8	1.27 H	261	35.3	9.9
8	7386.00	36.1 AV	54.0	-17.9	1.27 H	261	26.2	9.9
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

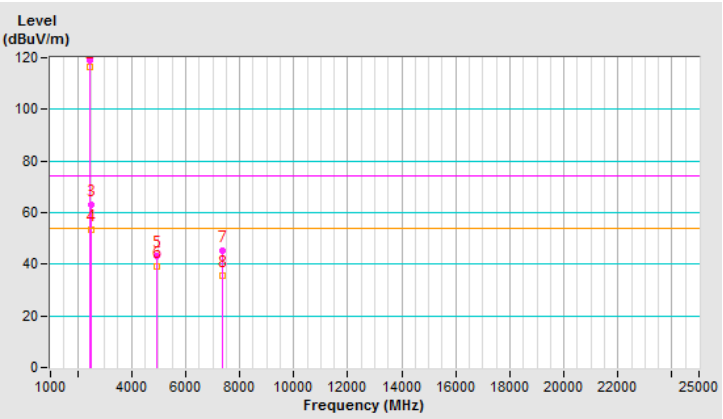


操 作 模 式 ：	發射	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	118.8 PK			1.70 V	181	119.9	-1.1
2	*2462.00	116.5 AV			1.70 V	181	117.6	-1.1
3	2500.00	63.3 PK	74.0	-10.7	1.70 V	181	64.2	-0.9
4	2500.00	53.5 AV	54.0	-0.5	1.70 V	181	54.4	-0.9
5	4924.00	43.1 PK	74.0	-30.9	1.72 V	206	39.6	3.5
6	4924.00	39.1 AV	54.0	-14.9	1.72 V	206	35.6	3.5
7	7386.00	45.2 PK	74.0	-28.8	1.34 V	208	35.3	9.9
8	7386.00	35.8 AV	54.0	-18.2	1.34 V	208	25.9	9.9
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



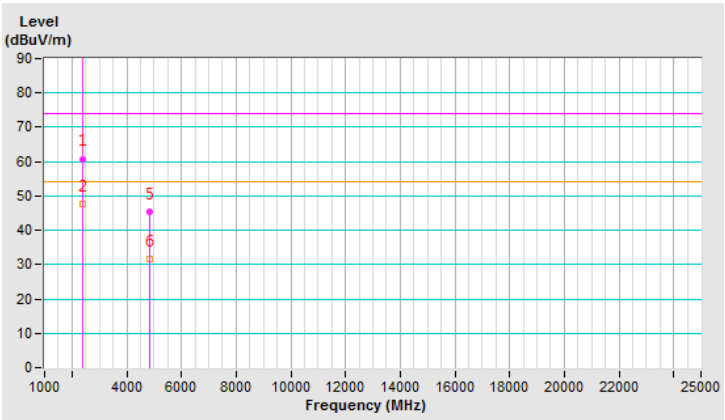
802.11g

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 ：	22℃	量 測 場 地 濕 度 ：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	60.8 PK	74.0	-13.2	1.03 H	108	66.5	-5.7
2	2390.00	47.7 AV	54.0	-6.3	1.03 H	108	53.4	-5.7
3	*2412.00	104.9 PK			1.03 H	108	110.5	-5.6
4	*2412.00	95.8 AV			1.03 H	108	101.4	-5.6
5	4824.00	45.4 PK	74.0	-28.6	3.24 H	62	44.6	0.8
6	4824.00	31.6 AV	54.0	-22.4	3.24 H	62	30.8	0.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

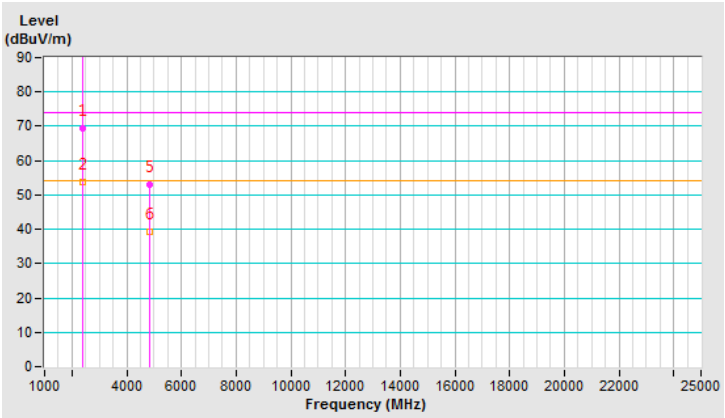


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.5 PK	74.0	-4.5	2.20 V	360	75.2	-5.7
2	2390.00	53.9 AV	54.0	-0.1	2.20 V	360	59.6	-5.7
3	*2412.00	114.4 PK			2.20 V	360	120.0	-5.6
4	*2412.00	104.5 AV			2.20 V	360	110.1	-5.6
5	4824.00	53.1 PK	74.0	-20.9	1.57 V	360	52.3	0.8
6	4824.00	39.3 AV	54.0	-14.7	1.57 V	360	38.5	0.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

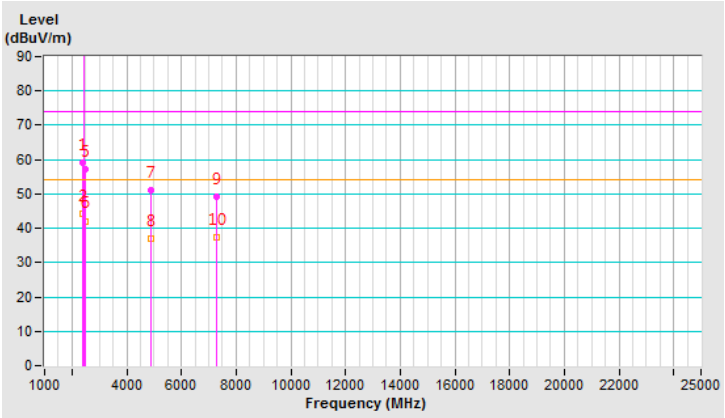


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.2 PK	74.0	-14.8	1.03 H	102	64.9	-5.7
2	2390.00	44.2 AV	54.0	-9.8	1.03 H	102	49.9	-5.7
3	*2437.00	110.2 PK			1.03 H	102	115.7	-5.5
4	*2437.00	100.9 AV			1.03 H	102	106.4	-5.5
5	2483.50	57.2 PK	74.0	-16.8	1.03 H	102	62.7	-5.5
6	2483.50	42.1 AV	54.0	-11.9	1.03 H	102	47.6	-5.5
7	4874.00	51.1 PK	74.0	-22.9	3.19 H	73	50.2	0.9
8	4874.00	37.1 AV	54.0	-16.9	3.19 H	73	36.2	0.9
9	7311.00	49.3 PK	74.0	-24.7	1.17 H	238	41.9	7.4
10	7311.00	37.5 AV	54.0	-16.5	1.17 H	238	30.1	7.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

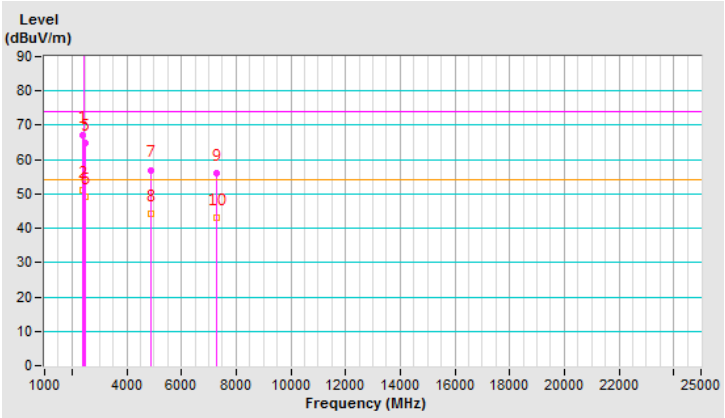


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	67.1 PK	74.0	-6.9	1.50 V	166	72.8	-5.7
2	2390.00	51.2 AV	54.0	-2.8	1.50 V	166	56.9	-5.7
3	*2437.00	119.5 PK			1.50 V	166	125.0	-5.5
4	*2437.00	109.6 AV			1.50 V	166	115.1	-5.5
5	2483.50	64.9 PK	74.0	-9.1	1.50 V	166	70.4	-5.5
6	2483.50	49.3 AV	54.0	-4.7	1.50 V	166	54.8	-5.5
7	4874.00	57.0 PK	74.0	-17.0	2.24 V	185	56.1	0.9
8	4874.00	44.3 AV	54.0	-9.7	2.24 V	185	43.4	0.9
9	7311.00	56.0 PK	74.0	-18.0	2.40 V	183	48.6	7.4
10	7311.00	43.1 AV	54.0	-10.9	2.40 V	183	35.7	7.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

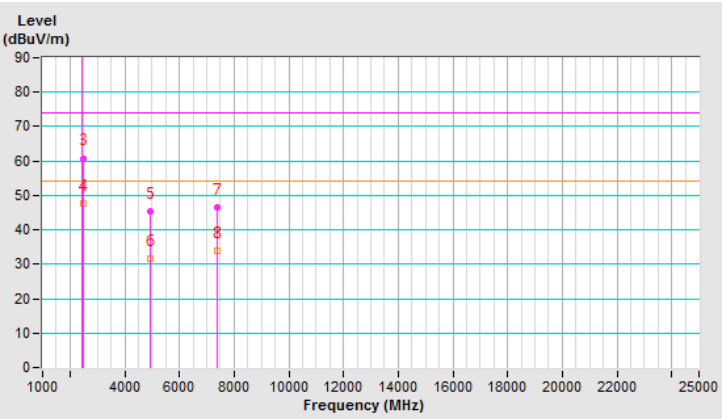


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	105.1 PK			1.03 H	107	110.5	-5.4
2	*2462.00	94.3 AV			1.03 H	107	99.7	-5.4
3	2483.50	60.8 PK	74.0	-13.2	1.03 H	107	66.3	-5.5
4	2483.50	47.8 AV	54.0	-6.2	1.03 H	107	53.3	-5.5
5	4924.00	45.2 PK	74.0	-28.8	3.23 H	37	44.1	1.1
6	4924.00	31.7 AV	54.0	-22.3	3.23 H	37	30.6	1.1
7	7386.00	46.6 PK	74.0	-27.4	1.10 H	244	39.0	7.6
8	7386.00	34.0 AV	54.0	-20.0	1.10 H	244	26.4	7.6
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

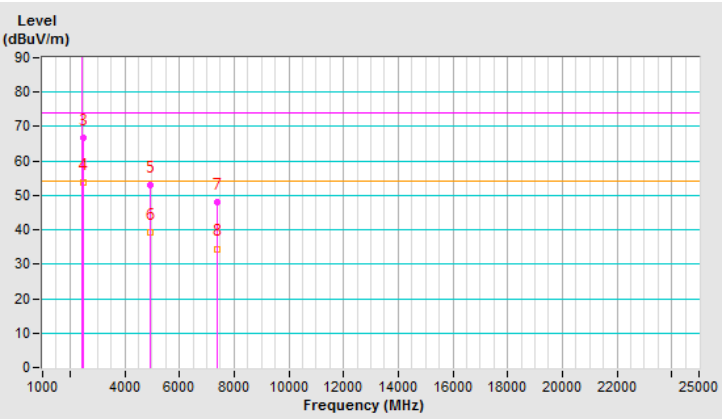


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.0 PK			1.68 V	357	119.4	-5.4
2	*2462.00	103.2 AV			1.68 V	357	108.6	-5.4
3	2483.50	66.8 PK	74.0	-7.2	1.68 V	357	72.3	-5.5
4	2483.50	53.9 AV	54.0	-0.1	1.68 V	357	59.4	-5.5
5	4924.00	53.1 PK	74.0	-20.9	1.54 V	360	52.0	1.1
6	4924.00	39.2 AV	54.0	-14.8	1.54 V	360	38.1	1.1
7	7386.00	47.9 PK	74.0	-26.1	2.34 V	185	40.3	7.6
8	7386.00	34.5 AV	54.0	-19.5	2.34 V	185	26.9	7.6
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



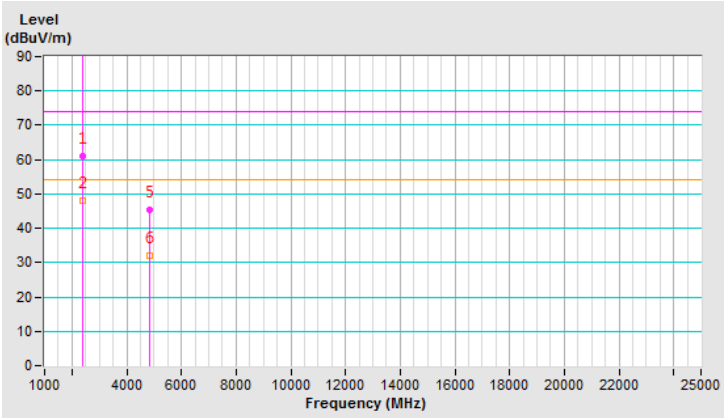
802.11n (HT20)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 ：	22℃	量 測 場 地 濕 度 ：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.1 PK	74.0	-12.9	1.03 H	100	66.8	-5.7
2	2390.00	47.9 AV	54.0	-6.1	1.03 H	100	53.6	-5.7
3	*2412.00	103.1 PK			1.03 H	100	108.7	-5.6
4	*2412.00	92.8 AV			1.03 H	100	98.4	-5.6
5	4824.00	45.5 PK	74.0	-28.5	3.19 H	50	44.7	0.8
6	4824.00	31.9 AV	54.0	-22.1	3.19 H	50	31.1	0.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

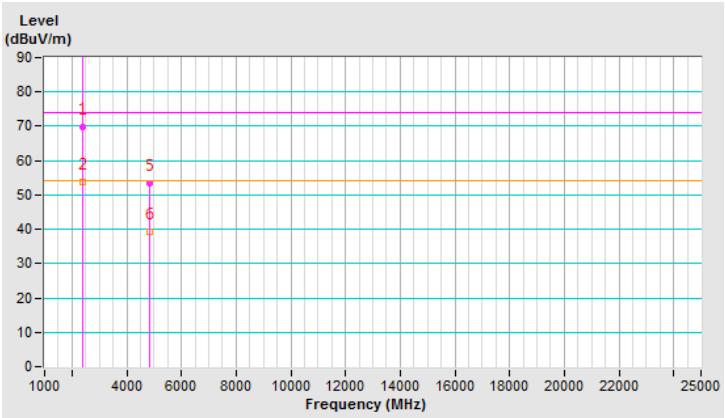


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	69.8 PK	74.0	-4.2	1.84 V	173	75.5	-5.7
2	2390.00	53.6 AV	54.0	-0.4	1.84 V	173	59.3	-5.7
3	*2412.00	112.6 PK			1.84 V	173	118.2	-5.6
4	*2412.00	102.0 AV			1.84 V	173	107.6	-5.6
5	4824.00	53.5 PK	74.0	-20.5	1.56 V	353	52.7	0.8
6	4824.00	39.4 AV	54.0	-14.6	1.56 V	353	38.6	0.8
7	#7236.00	-	-	-	-	-	-	-
8	#9648.00	-	-	-	-	-	-	-
9	12060.00	-	-	-	-	-	-	-
10	14472.00	-	-	-	-	-	-	-
11	#16884.00	-	-	-	-	-	-	-
12	19296.00	-	-	-	-	-	-	-
13	#21708.00	-	-	-	-	-	-	-
14	#24120.00	-	-	-	-	-	-	-

REMARKS:

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

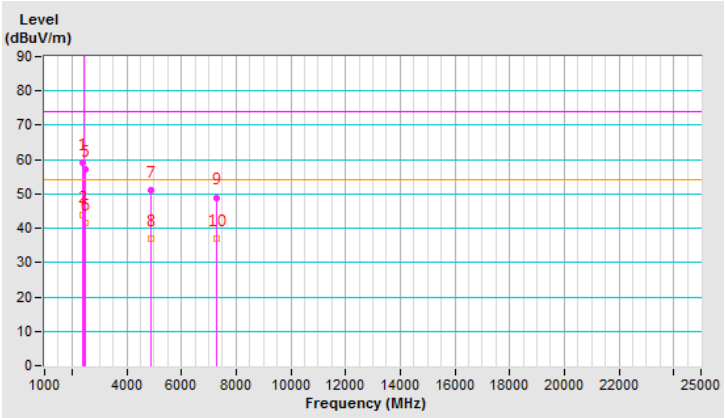


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	59.0 PK	74.0	-15.0	1.03 H	101	64.7	-5.7
2	2390.00	44.0 AV	54.0	-10.0	1.03 H	101	49.7	-5.7
3	*2437.00	110.2 PK			1.03 H	101	115.7	-5.5
4	*2437.00	100.1 AV			1.03 H	101	105.6	-5.5
5	2483.50	57.1 PK	74.0	-16.9	1.03 H	101	62.6	-5.5
6	2483.50	41.7 AV	54.0	-12.3	1.03 H	101	47.2	-5.5
7	4874.00	51.1 PK	74.0	-22.9	3.13 H	77	50.2	0.9
8	4874.00	37.1 AV	54.0	-16.9	3.13 H	77	36.2	0.9
9	7311.00	49.0 PK	74.0	-25.0	1.25 H	246	41.6	7.4
10	7311.00	37.1 AV	54.0	-16.9	1.25 H	246	29.7	7.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

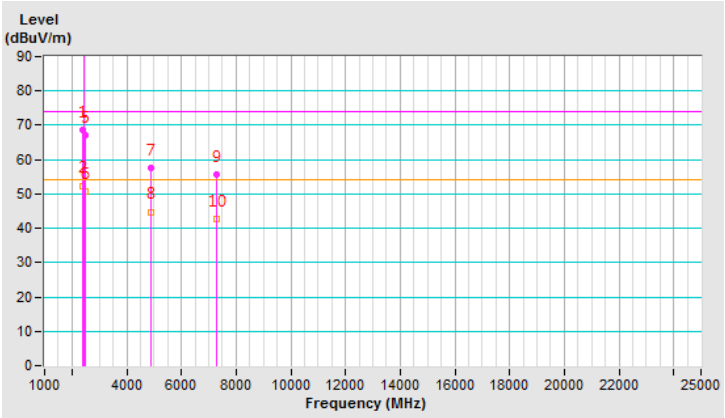


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	68.6 PK	74.0	-5.4	1.61 V	175	74.3	-5.7
2	2390.00	52.4 AV	54.0	-1.6	1.61 V	175	58.1	-5.7
3	*2437.00	120.0 PK			1.61 V	175	125.5	-5.5
4	*2437.00	109.5 AV			1.61 V	175	115.0	-5.5
5	2483.50	67.1 PK	74.0	-6.9	1.61 V	175	72.6	-5.5
6	2483.50	50.7 AV	54.0	-3.3	1.61 V	175	56.2	-5.5
7	4874.00	57.6 PK	74.0	-16.4	1.50 V	1	56.7	0.9
8	4874.00	44.8 AV	54.0	-9.2	1.50 V	1	43.9	0.9
9	7311.00	55.7 PK	74.0	-18.3	2.31 V	176	48.3	7.4
10	7311.00	42.7 AV	54.0	-11.3	2.31 V	176	35.3	7.4
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

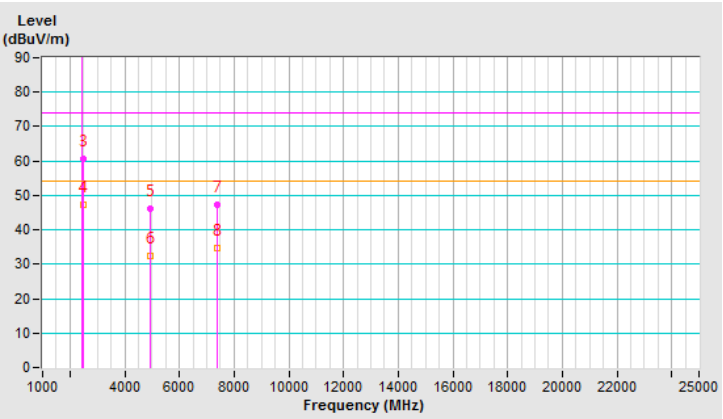


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	104.8 PK			1.03 H	106	110.2	-5.4
2	*2462.00	94.5 AV			1.03 H	106	99.9	-5.4
3	2483.50	60.5 PK	74.0	-13.5	1.03 H	106	66.0	-5.5
4	2483.50	47.2 AV	54.0	-6.8	1.03 H	106	52.7	-5.5
5	4924.00	46.0 PK	74.0	-28.0	3.19 H	64	44.9	1.1
6	4924.00	32.4 AV	54.0	-21.6	3.19 H	64	31.3	1.1
7	7386.00	47.4 PK	74.0	-26.6	1.21 H	233	39.8	7.6
8	7386.00	34.7 AV	54.0	-19.3	1.21 H	233	27.1	7.6
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

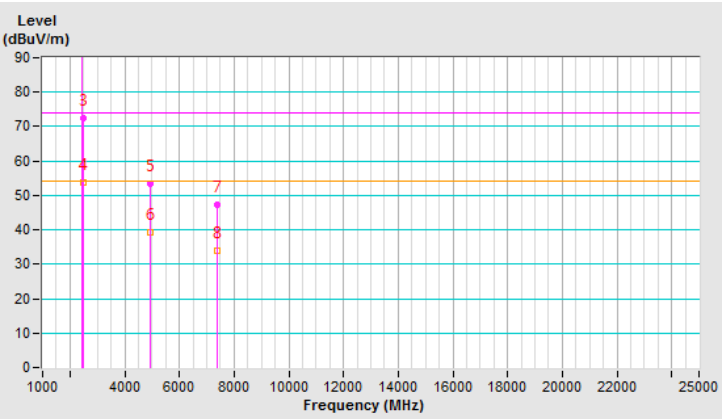


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	114.1 PK			1.72 V	178	119.5	-5.4
2	*2462.00	103.8 AV			1.72 V	178	109.2	-5.4
3	2483.50	72.3 PK	74.0	-1.7	1.72 V	178	77.8	-5.5
4	2483.50	53.9 AV	54.0	-0.1	1.72 V	178	59.4	-5.5
5	4924.00	53.3 PK	74.0	-20.7	1.55 V	360	52.2	1.1
6	4924.00	39.3 AV	54.0	-14.7	1.55 V	360	38.2	1.1
7	7386.00	47.4 PK	74.0	-26.6	2.39 V	181	39.8	7.6
8	7386.00	34.0 AV	54.0	-20.0	2.39 V	181	26.4	7.6
9	#9848.00	-	-	-	-	-	-	-
10	12310.00	-	-	-	-	-	-	-
11	#14772.00	-	-	-	-	-	-	-
12	#17234.00	-	-	-	-	-	-	-
13	19696.00	-	-	-	-	-	-	-
14	22158.00	-	-	-	-	-	-	-
15	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



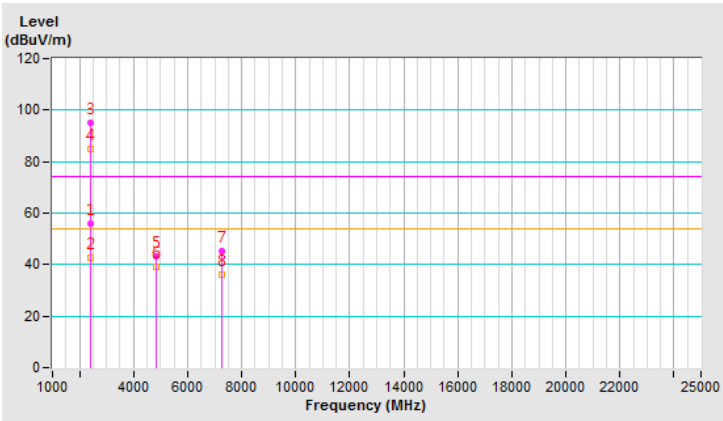
802.11n (HT40)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 3：2422 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 ：	22℃	量 測 場 地 濕 度 ：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	56.0 PK	74.0	-18.0	1.04 H	101	57.3	-1.3
2	2390.00	42.6 AV	54.0	-11.4	1.04 H	101	43.9	-1.3
3	*2422.00	95.0 PK			1.04 H	101	96.3	-1.3
4	*2422.00	84.8 AV			1.04 H	101	86.1	-1.3
5	4844.00	43.4 PK	74.0	-30.6	1.17 H	80	40.1	3.3
6	4844.00	39.2 AV	54.0	-14.8	1.17 H	80	35.9	3.3
7	7266.00	45.2 PK	74.0	-28.8	1.23 H	260	35.4	9.8
8	7266.00	36.1 AV	54.0	-17.9	1.23 H	260	26.3	9.8
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

REMARKS:

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

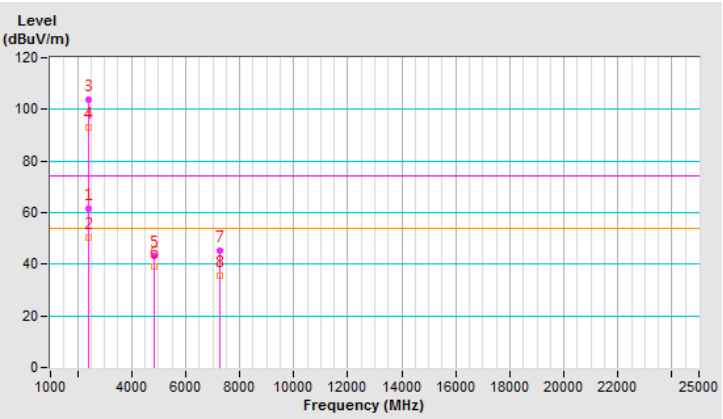


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 3：2422 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	61.6 PK	74.0	-12.4	1.76 V	173	62.9	-1.3
2	2390.00	50.3 AV	54.0	-3.7	1.76 V	173	51.6	-1.3
3	*2422.00	103.6 PK			1.76 V	173	104.9	-1.3
4	*2422.00	93.2 AV			1.76 V	173	94.5	-1.3
5	4844.00	43.1 PK	74.0	-30.9	1.64 V	222	39.8	3.3
6	4844.00	39.4 AV	54.0	-14.6	1.64 V	222	36.1	3.3
7	7266.00	45.3 PK	74.0	-28.7	1.43 V	211	35.5	9.8
8	7266.00	35.7 AV	54.0	-18.3	1.43 V	211	25.9	9.8
9	#9688.00	-	-	-	-	-	-	-
10	12110.00	-	-	-	-	-	-	-
11	#14532.00	-	-	-	-	-	-	-
12	#16954.00	-	-	-	-	-	-	-
13	19376.00	-	-	-	-	-	-	-
14	#21798.00	-	-	-	-	-	-	-
15	#24220.00	-	-	-	-	-	-	-

REMARKS:

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

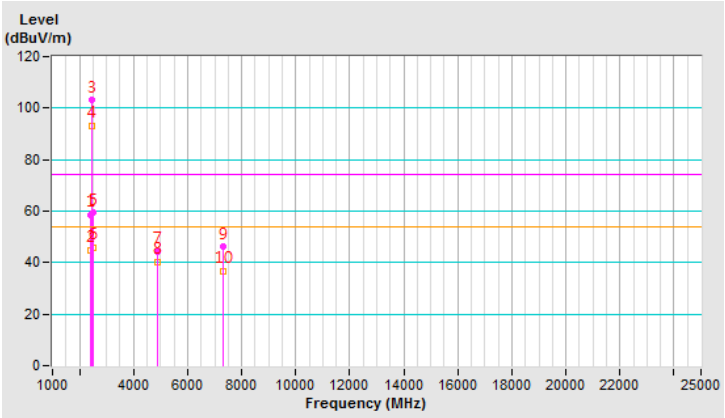


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	58.7 PK	74.0	-15.3	1.13 H	105	60.0	-1.3
2	2390.00	44.8 AV	54.0	-9.2	1.13 H	105	46.1	-1.3
3	*2437.00	103.0 PK			1.13 H	105	104.2	-1.2
4	*2437.00	93.0 AV			1.13 H	105	94.2	-1.2
5	2500.00	59.3 PK	74.0	-14.7	1.13 H	105	60.2	-0.9
6	2500.00	45.9 AV	54.0	-8.1	1.13 H	105	46.8	-0.9
7	4874.00	44.3 PK	74.0	-29.7	1.10 H	88	41.0	3.3
8	4874.00	40.2 AV	54.0	-13.8	1.10 H	88	36.9	3.3
9	7311.00	46.1 PK	74.0	-27.9	1.16 H	240	36.3	9.8
10	7311.00	36.7 AV	54.0	-17.3	1.16 H	240	26.9	9.8
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

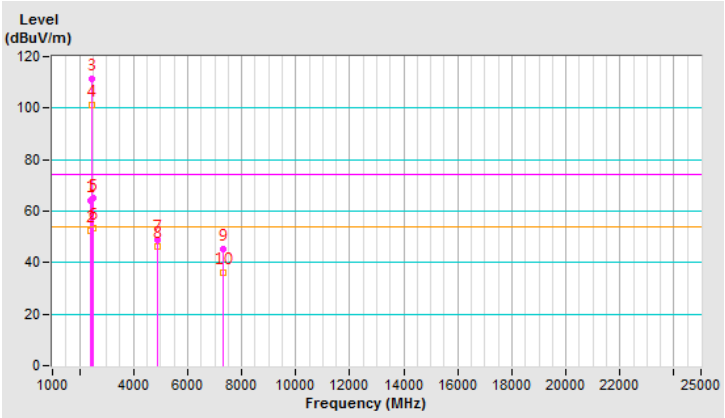


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	64.3 PK	74.0	-9.7	1.78 V	174	65.6	-1.3
2	2390.00	52.5 AV	54.0	-1.5	1.78 V	174	53.8	-1.3
3	*2437.00	111.6 PK			1.78 V	174	112.8	-1.2
4	*2437.00	101.4 AV			1.78 V	174	102.6	-1.2
5	2500.00	64.9 PK	74.0	-9.1	1.78 V	174	65.8	-0.9
6	2500.00	53.6 AV	54.0	-0.4	1.78 V	174	54.5	-0.9
7	4874.00	48.9 PK	74.0	-25.1	1.54 V	200	45.6	3.3
8	4874.00	46.5 AV	54.0	-7.5	1.54 V	200	43.2	3.3
9	7311.00	45.4 PK	74.0	-28.6	1.39 V	207	35.6	9.8
10	7311.00	36.0 AV	54.0	-18.0	1.39 V	207	26.2	9.8
11	#9748.00	-	-	-	-	-	-	-
12	12185.00	-	-	-	-	-	-	-
13	#14622.00	-	-	-	-	-	-	-
14	#17059.00	-	-	-	-	-	-	-
15	19496.00	-	-	-	-	-	-	-
16	#21933.00	-	-	-	-	-	-	-
17	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

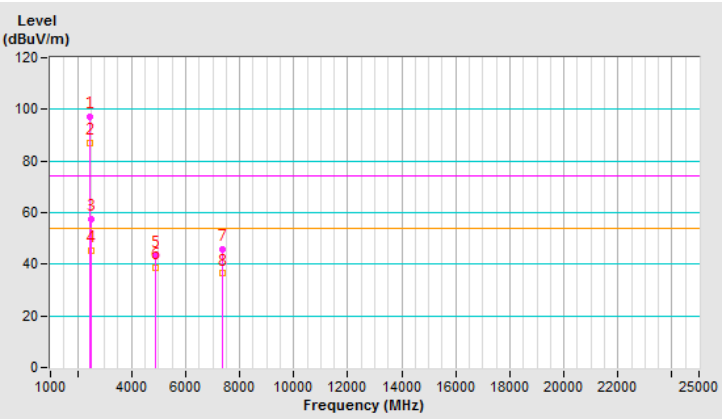


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 9：2452 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	97.3 PK			1.10 H	106	98.4	-1.1
2	*2452.00	86.9 AV			1.10 H	106	88.0	-1.1
3	2500.00	57.3 PK	74.0	-16.7	1.10 H	106	58.2	-0.9
4	2500.00	45.1 AV	54.0	-8.9	1.10 H	106	46.0	-0.9
5	4904.00	43.1 PK	74.0	-30.9	1.09 H	81	39.6	3.5
6	4904.00	38.6 AV	54.0	-15.4	1.09 H	81	35.1	3.5
7	7356.00	45.7 PK	74.0	-28.3	1.24 H	248	35.8	9.9
8	7356.00	36.4 AV	54.0	-17.6	1.24 H	248	26.5	9.9
9	#9808.00	-	-	-	-	-	-	-
10	12260.00	-	-	-	-	-	-	-
11	#14712.00	-	-	-	-	-	-	-
12	#17164.00	-	-	-	-	-	-	-
13	19616.00	-	-	-	-	-	-	-
14	22068.00	-	-	-	-	-	-	-
15	#24520.00	-	-	-	-	-	-	-

REMARKS:

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

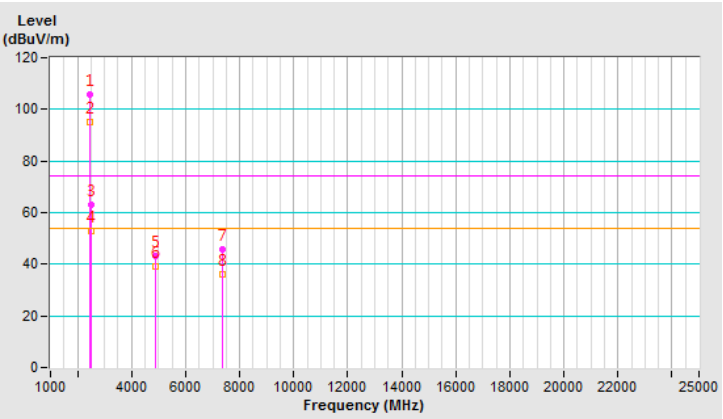


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 9：2452 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2452.00	105.9 PK			1.77 V	181	107.0	-1.1
2	*2452.00	95.3 AV			1.77 V	181	96.4	-1.1
3	2500.00	62.9 PK	74.0	-11.1	1.77 V	181	63.8	-0.9
4	2500.00	52.8 AV	54.0	-1.2	1.77 V	181	53.7	-0.9
5	4904.00	43.2 PK	74.0	-30.8	1.70 V	218	39.7	3.5
6	4904.00	39.2 AV	54.0	-14.8	1.70 V	218	35.7	3.5
7	7356.00	45.7 PK	74.0	-28.3	1.39 V	224	35.8	9.9
8	7356.00	36.0 AV	54.0	-18.0	1.39 V	224	26.1	9.9
9	#9808.00	-	-	-	-	-	-	-
10	12260.00	-	-	-	-	-	-	-
11	#14712.00	-	-	-	-	-	-	-
12	#17164.00	-	-	-	-	-	-	-
13	19616.00	-	-	-	-	-	-	-
14	22068.00	-	-	-	-	-	-	-
15	#24520.00	-	-	-	-	-	-	-

REMARKS:

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



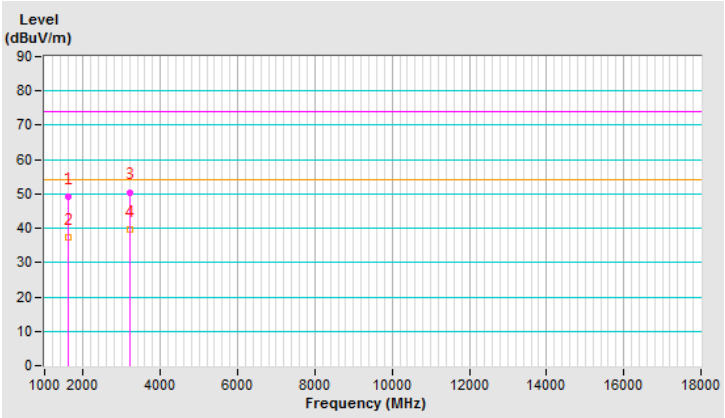
4.6.2 接收諧波

操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1608.00	49.1 PK	74.0	-24.9	1.75 H	134	57.7	-8.6
2	1608.00	37.2 AV	54.0	-16.8	1.75 H	134	45.8	-8.6
3	3216.00	50.5 PK	74.0	-23.5	1.24 H	95	54.1	-3.6
4	3216.00	39.8 AV	54.0	-14.2	1.24 H	95	43.4	-3.6

REMARKS:

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

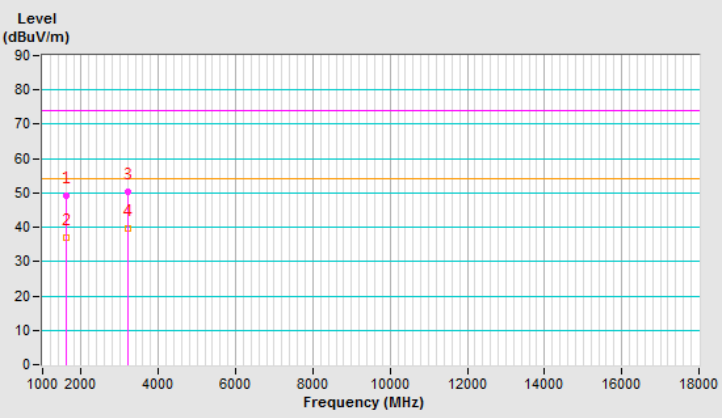


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 1：2412 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1608.00	49.2 PK	74.0	-24.8	1.45 V	100	57.8	-8.6
2	1608.00	37.1 AV	54.0	-16.9	1.45 V	100	45.7	-8.6
3	3216.00	50.4 PK	74.0	-23.6	2.12 V	302	54.0	-3.6
4	3216.00	39.8 AV	54.0	-14.2	2.12 V	302	43.4	-3.6

REMARKS:

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

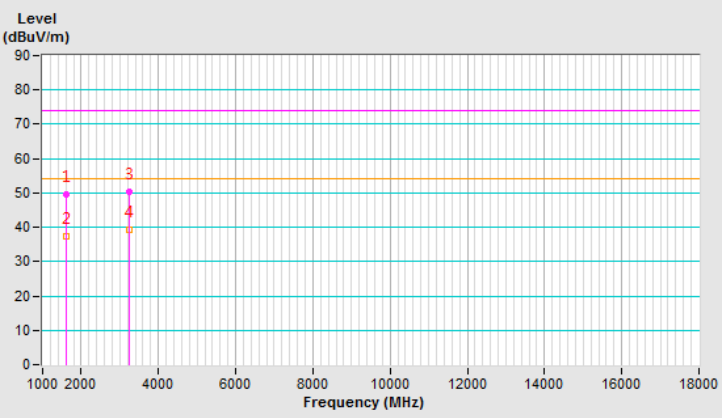


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1624.67	49.4 PK	74.0	-24.6	1.75 H	147	58.0	-8.6
2	1624.67	37.3 AV	54.0	-16.7	1.75 H	147	45.9	-8.6
3	3249.33	50.2 PK	74.0	-23.8	1.20 H	107	53.8	-3.6
4	3249.33	39.3 AV	54.0	-14.7	1.20 H	107	42.9	-3.6

REMARKS:

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

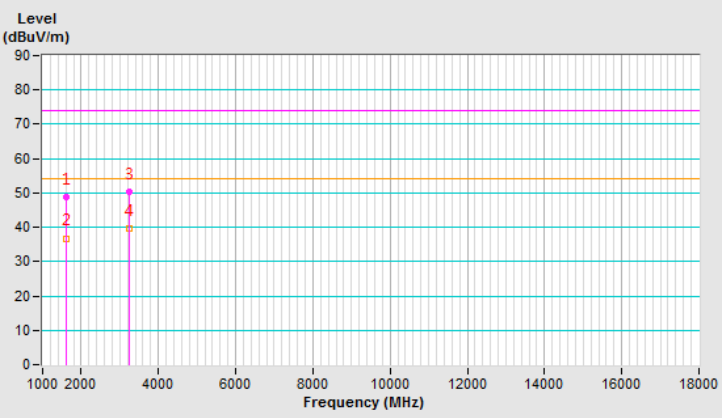


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1624.67	48.9 PK	74.0	-25.1	1.49 V	100	57.5	-8.6
2	1624.67	36.8 AV	54.0	-17.2	1.49 V	100	45.4	-8.6
3	3249.33	50.3 PK	74.0	-23.7	2.11 V	305	53.9	-3.6
4	3249.33	39.6 AV	54.0	-14.4	2.11 V	305	43.2	-3.6

REMARKS:

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

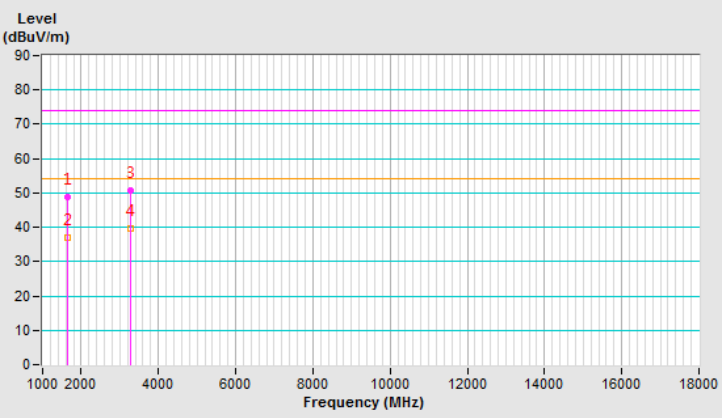


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1641.33	48.7 PK	74.0	-25.3	1.77 H	147	57.3	-8.6
2	1641.33	36.9 AV	54.0	-17.1	1.77 H	147	45.5	-8.6
3	3282.67	50.6 PK	74.0	-23.4	1.26 H	82	54.2	-3.6
4	3282.67	39.8 AV	54.0	-14.2	1.26 H	82	43.4	-3.6

REMARKS:

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

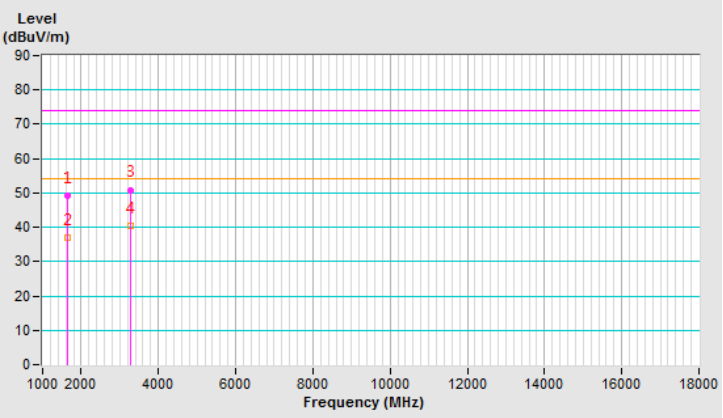


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 11：2462 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	1641.33	49.1 PK	74.0	-24.9	1.50 V	108	57.7	-8.6
2	1641.33	37.0 AV	54.0	-17.0	1.50 V	108	45.6	-8.6
3	3282.67	50.9 PK	74.0	-23.1	2.18 V	293	54.5	-3.6
4	3282.67	40.3 AV	54.0	-13.7	2.18 V	293	43.9	-3.6

REMARKS:

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



4.6.3 其它不必要之訊號

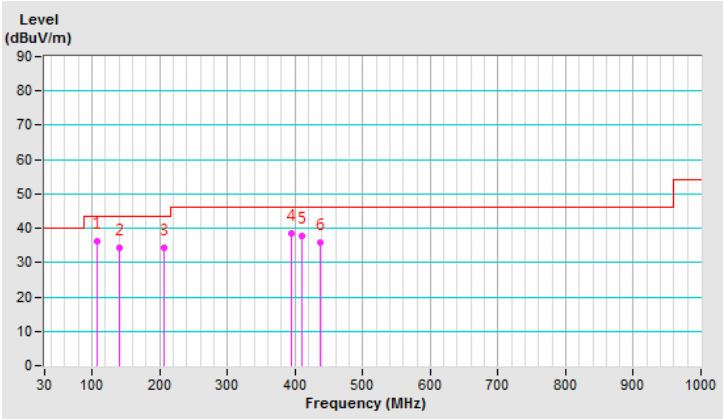
802.11b

操 作 模 式 ：	發射接收	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(QP) RB=VB=120kHz
量測場地溫度 ：	24℃	量測場地濕度 ：	68%RH
測 試 日 期 ：	106 年 10 月 5 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	106.70	36.3 QP	43.5	-7.2	2.00 H	188	47.7	-11.4
2	141.19	34.3 QP	43.5	-9.2	2.00 H	74	42.7	-8.4
3	207.22	34.3 QP	43.5	-9.2	1.50 H	178	45.8	-11.5
4	393.90	38.5 QP	46.0	-7.5	2.00 H	316	44.1	-5.6
5	410.92	37.6 QP	46.0	-8.4	2.00 H	301	42.7	-5.1
6	437.38	35.8 QP	46.0	-10.2	2.00 H	299	39.7	-3.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.

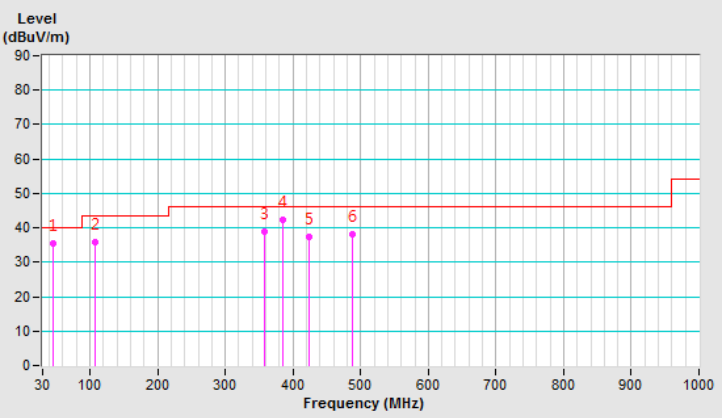


操 作 模 式 ：	發射接收	調 變 技 術 ：	DSSS
基 本 波 頻 率 ：	CH 6：2437 MHz	測 試 儀 器 ：	(QP) RB=VB=120kHz
量測場地溫度：	24℃	量測場地濕度：	68%RH
測 試 日 期 ：	106 年 10 月 5 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	44.67	35.5 QP	40.0	-4.5	1.50 V	303	43.7	-8.2
2	106.70	35.9 QP	43.5	-7.6	1.00 V	242	47.3	-11.4
3	357.50	38.8 QP	46.0	-7.2	1.00 V	310	45.1	-6.3
4	384.49	42.4 QP	46.0	-3.6	1.00 V	246	48.1	-5.7
5	424.04	37.3 QP	46.0	-8.7	1.00 V	261	41.8	-4.5
6	488.23	38.0 QP	46.0	-8.0	1.00 V	12	41.3	-3.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.



4.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

4.8 配置照片

請參照 Test Setup Photos

5 電源線傳導干擾之量測

5.1 適用標準

請見本報告 3.1 節第 1 項的規定。

5.2 量測方法

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

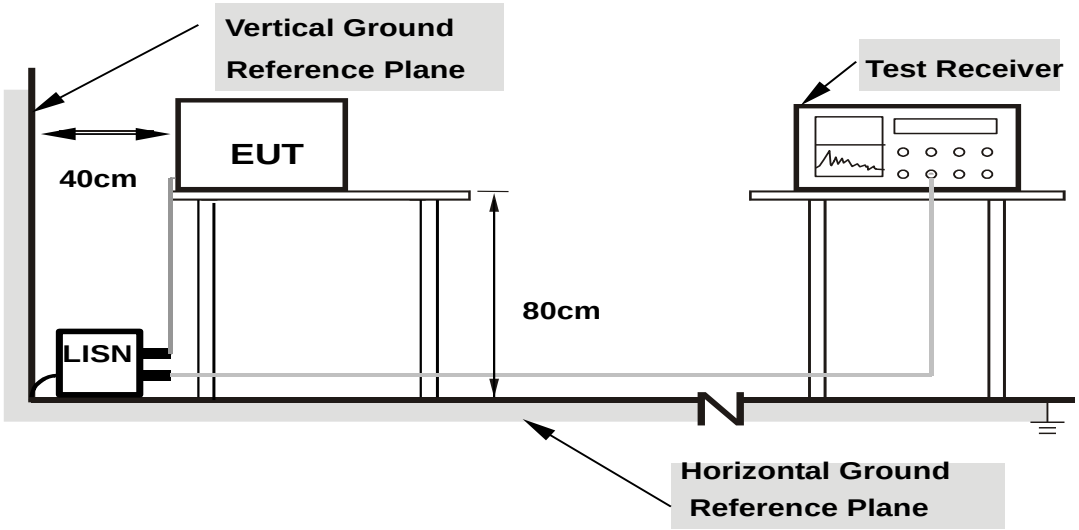
5.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	100375	May 09, 2016	May 08, 2017
Line-Impedance Stabilization Network (for EUT) SCHWARZBECK	NSLK-8127	8127-522	Aug. 31, 2016	Aug. 30, 2017
Line-Impedance Stabilization Network (for Peripheral) R&S	ENV216	100072	June 13, 2016	June 12, 2017
RF Cable	5D-FB	COACAB-002	Mar. 04, 2016	Mar. 03, 2017
10 dB PAD Mini-Circuits	HAT-10+	CONATT-003	Sep. 13, 2016	Sep. 12, 2017
50 ohms Terminator	N/A	04	Nov. 18, 2015	Nov. 17, 2016
50 ohms Terminator	50	3	Oct. 21, 2015	Oct. 20, 2016
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. C.
3 The VCCI Con C Registration No. is C-3611.
4 The measurement uncertainty is 2.98 dB, which is calculated as per the document CISPR 16-4-2 This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5.4 測試配置



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

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

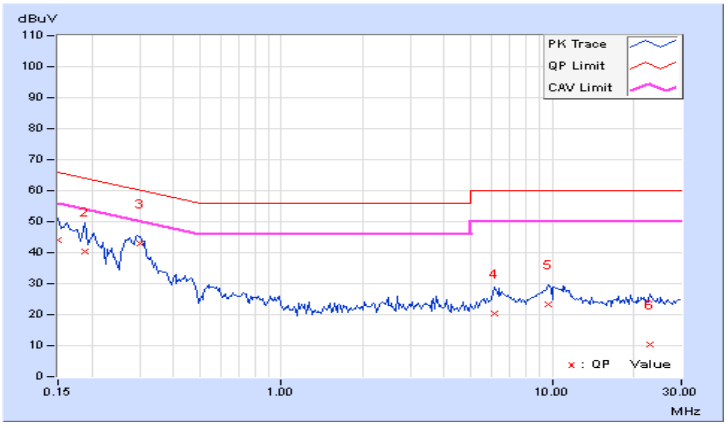
5.6 量測結果 (模式一)

操作模式	發射	測試日期	105 年 10 月 12 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	25℃
調變技術	DSSS	量測場地濕度	75%RH
測試者	李慶貫	測試模式	一

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15000	10.14	33.86	21.72	44.00	31.86	66.00	56.00	-22.00	-24.14
0.18906	10.12	30.20	16.55	40.32	26.67	64.08	54.08	-23.76	-27.41
0.30234	**10.11**	**32.88**	**26.59**	**42.99**	**36.70**	**60.18**	**50.18**	**-17.19**	**-13.48**
6.14844	10.35	9.95	2.14	20.30	12.49	60.00	50.00	-39.70	-37.51
9.69922	10.42	12.84	8.43	23.26	18.85	60.00	50.00	-36.74	-31.15
23.10547	10.92	-0.72	-3.89	10.20	7.03	60.00	50.00	-49.80	-42.97

NOTE:

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

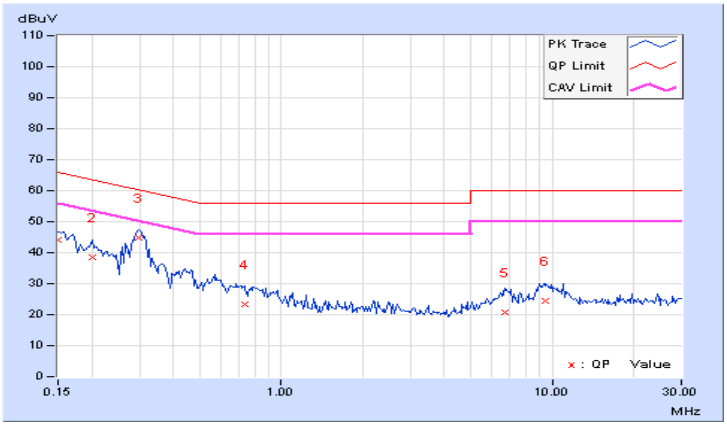


操作模式	發射	測試日期	105 年 10 月 12 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	25℃
調變技術	DSSS	量測場地濕度	75%RH
測試者	李慶貫	測試模式	一

		6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15000	10.19	33.88	21.16	44.07	31.35	66.00	56.00	-21.93	-24.65
0.20078	10.07	28.34	17.64	38.41	27.71	63.58	53.58	-25.17	-25.87
0.29844	10.08	34.73	25.44	44.81	35.52	60.29	50.29	-15.48	-14.77
0.73203	10.16	13.20	6.08	23.36	16.24	56.00	46.00	-32.64	-29.76
6.71875	10.39	10.50	2.08	20.89	12.47	60.00	50.00	-39.11	-37.53
9.50000	10.47	13.87	9.33	24.34	19.80	60.00	50.00	-35.66	-30.20

NOTE:

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



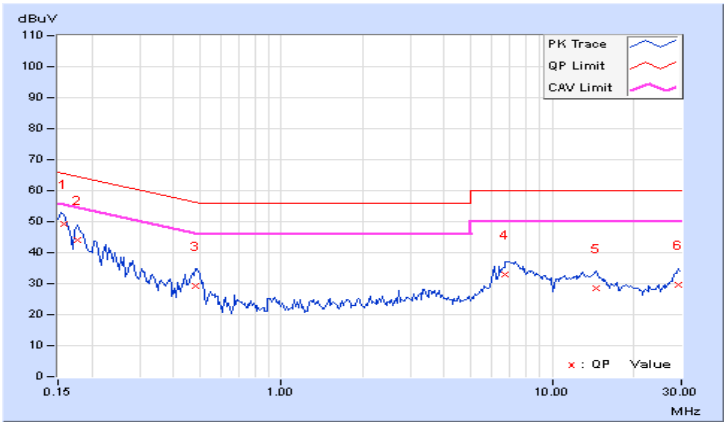
5.7 量測結果 (模式二)

操作模式	發射	測試日期	105 年 10 月 12 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	25℃
調變技術	DSSS	量測場地濕度	75%RH
測試者	李慶貫	測試模式	二

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15781	10.14	39.12	27.18	49.26	37.32	65.58	55.58	-16.32	-18.26
0.17734	10.13	34.11	21.41	44.24	31.54	64.61	54.61	-20.37	-23.07
0.48203	10.11	19.09	12.98	29.20	23.09	56.30	46.30	-27.10	-23.21
6.71875	10.36	22.49	18.09	32.85	28.45	60.00	50.00	-27.15	-21.55
14.52734	10.62	17.72	12.85	28.34	23.47	60.00	50.00	-31.66	-26.53
29.19141	11.14	18.37	13.24	29.51	24.38	60.00	50.00	-30.49	-25.62

NOTE:

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

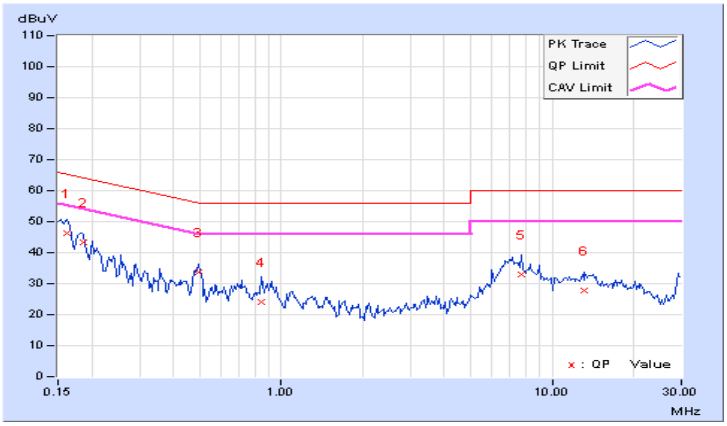


操作模式	發射	測試日期	105 年 10 月 12 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	25℃
調變技術	DSSS	量測場地濕度	75%RH
測試者	李慶貫	測試模式	二

		6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.16172	10.16	36.25	24.18	46.41	34.34	65.38	55.38	-18.97	-21.04
0.18516	10.11	33.28	22.63	43.39	32.74	64.25	54.25	-20.86	-21.51
0.49375	10.11	23.48	18.56	33.59	28.67	56.10	46.10	-22.51	-17.43
0.84922	10.18	13.93	9.17	24.11	19.35	56.00	46.00	-31.89	-26.65
7.68359	10.42	22.40	17.66	32.82	28.08	60.00	50.00	-27.18	-21.92
13.21484	10.61	17.11	12.22	27.72	22.83	60.00	50.00	-32.28	-27.17

NOTE:

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



5.8 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

5.9 配置照片

請參照 Test Setup Photos

6 6 dB 頻寬之要求

6.1 適用標準

請見本報告 3.1 節第 5 項(I)的規定。

6.2 量測方法

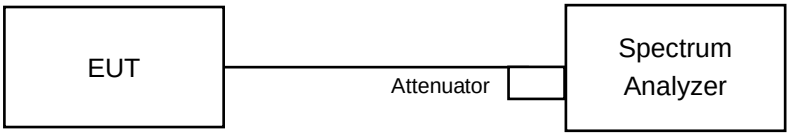
a) 將待測物輸出經由衰減器接到頻譜分析儀上。
b) 設定待測物處於連續發射狀態。
c) 計算最大輸出功率峰值減 6dB 的最大頻率範圍。

6.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 11, 2016	May 10, 2017

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

6.4 測試配置



6.5 量測結果

操作模式	發射	測試日期	105 年 10 月 08 日
量測場地溫度	25℃	量測場地濕度	60%RH
測試者	鄭又瑋		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
1	2412	8.15	8.13	8.15	0.5	PASS
6	2437	8.62	8.62	8.62	0.5	PASS
11	2462	8.13	8.13	8.55	0.5	PASS

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
1	2412	16.47	16.48	16.46	0.5	PASS
6	2437	16.44	16.46	16.42	0.5	PASS
11	2462	16.48	16.43	16.45	0.5	PASS

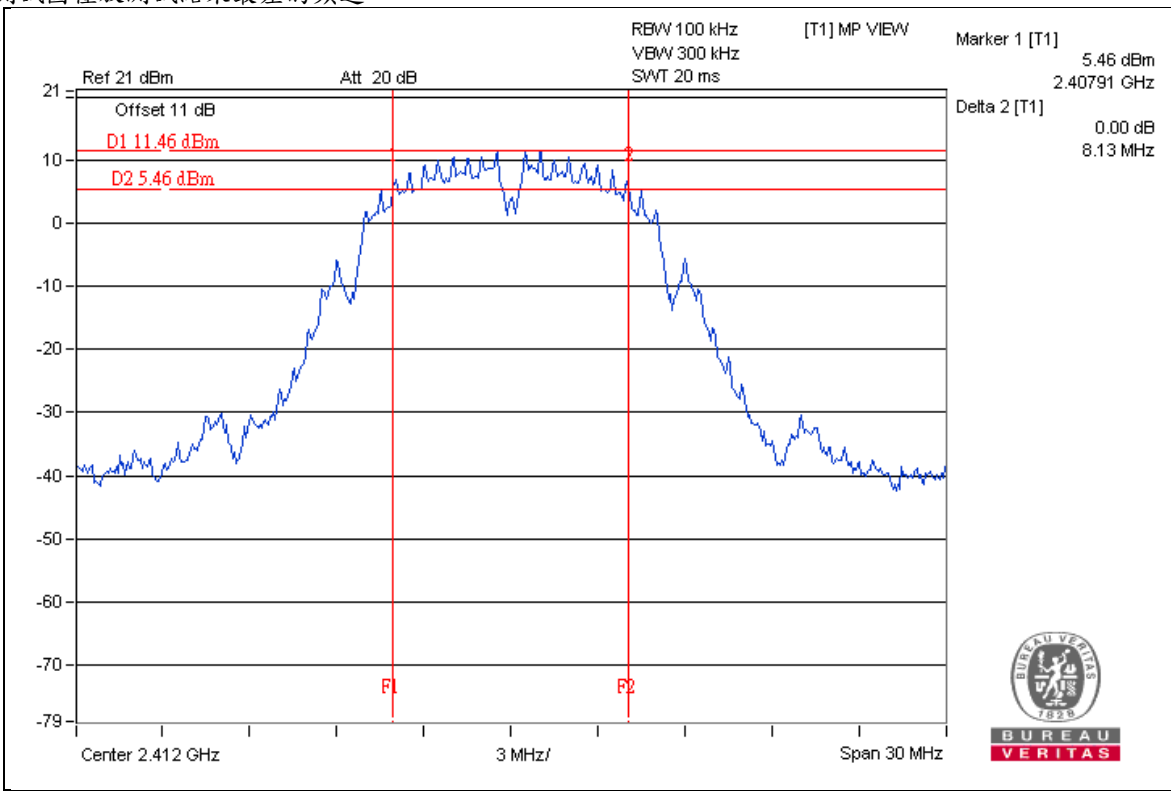
802.11n (HT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
1	2412	17.64	17.62	17.65	0.5	Pass
6	2437	17.61	17.65	17.66	0.5	Pass
11	2462	17.65	17.69	17.68	0.5	Pass

802.11n (HT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
3	2422	36.16	35.98	35.87	0.5	Pass
6	2437	36.43	36.01	35.88	0.5	Pass
9	2452	36.18	36.46	35.97	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，符合低功率射頻電機技術規範之要求。

7 傳導輸出功率之量測

7.1 適用標準

請見本報告 3.1 節第 6 項(I)及 4 項(I)的規定。

7.2 量測方法

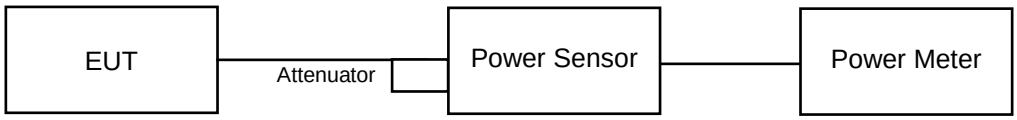
a) 將待測物輸出經由衰減器接到功率計上。
b) 設定待測物處於連續發射狀態。
c) 計算其最大輸出功率。

7.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power meter Anritsu	ML2495A	1014008	May 11, 2017	May 10, 2018
Power sensor Anritsu	MA2411B	0917122	May 11, 2017	May 10, 2018

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	106 年 10 月 27 日
量測場地溫度	25℃	量測場地濕度	60%RH
測試者	陳高逸		

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
1	2412	19.64	19.02	19.20	255.02	24.07	30	Pass
6	2437	22.96	22.95	22.20	560.898	27.49	30	Pass
11	2462	19.45	19.43	18.65	249.087	23.96	30	Pass

802.11g

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
1	2412	16.77	16.27	16.12	130.824	21.17	30	Pass
6	2437	22.90	22.77	22.01	543.073	27.35	30	Pass
11	2462	15.35	15.12	15.07	98.923	19.95	30	Pass

802.11n (HT20)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
1	2412	14.76	14.21	14.22	82.71	19.18	30	Pass
6	2437	22.53	22.56	21.93	515.318	27.12	30	Pass
11	2462	15.02	14.72	15.87	100.054	20.00	30	Pass

802.11n (HT40)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
3	2422	7.89	7.52	10.18	22.224	13.47	30	Pass
6	2437	13.66	13.50	15.60	81.922	19.13	30	Pass
9	2452	9.38	9.36	11.69	32.057	15.06	30	Pass

7.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

8 功率頻譜密度之量測

8.1 適用標準

請見本報告 3.1 節第 7 項(I)的規定。

8.2 量測方法

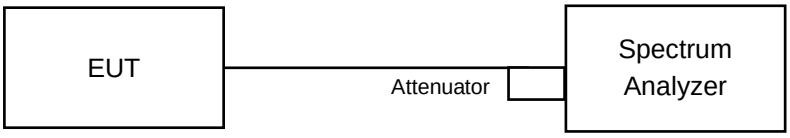
a) 將待測物之天線埠連接至測試儀器。
b) 設定解析頻寬為 3 kHz，視訊頻寬為 10kHz，掃描時間設為自動, 直至掃描信號穩定。
c) 使用峰值功能鍵,並找到最大的峰值準位。

8.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 11, 2016	May 10, 2017

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

8.4 測試配置



8.5 量測結果

操作模式	發射	測試日期	105 年 10 月 08 日
量測場地溫度	25℃	量測場地濕度	60%RH
測試者	鄭又瑋		

802.11b

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=3) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-10.79	4.77	-6.02	8.00	Pass
	6	2437	-7.63	4.77	-2.86	8.00	Pass
	11	2462	-11.52	4.77	-6.75	8.00	Pass
1	1	2412	-10.49	4.77	-5.72	8.00	Pass
	6	2437	-7.03	4.77	-2.26	8.00	Pass
	11	2462	-11.62	4.77	-6.85	8.00	Pass
2	1	2412	-10.18	4.77	-5.41	8.00	Pass
	6	2437	-7.43	4.77	-2.66	8.00	Pass
	11	2462	-10.59	4.77	-5.82	8.00	Pass

NOTE: Directional gain = 5.65dBi < 6dBi , so the power density limit shall not be reduced.

802.11g

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=3) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-15.71	4.77	-10.94	8.00	Pass
	6	2437	-9.57	4.77	-4.80	8.00	Pass
	11	2462	-16.79	4.77	-12.02	8.00	Pass
1	1	2412	-15.83	4.77	-11.06	8.00	Pass
	6	2437	-10.03	4.77	-5.26	8.00	Pass
	11	2462	-17.57	4.77	-12.80	8.00	Pass
2	1	2412	-15.68	4.77	-10.91	8.00	Pass
	6	2437	-9.73	4.77	-4.96	8.00	Pass
	11	2462	-17.38	4.77	-12.61	8.00	Pass

NOTE: Directional gain = 5.65dBi < 6dBi , so the power density limit shall not be reduced.

802.11n (HT20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=3) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-18.63	4.77	-13.86	8.00	Pass
	6	2437	-10.67	4.77	-5.90	8.00	Pass
	11	2462	-17.13	4.77	-12.36	8.00	Pass
1	1	2412	-18.25	4.77	-13.48	8.00	Pass
	6	2437	-9.86	4.77	-5.09	8.00	Pass
	11	2462	-17.69	4.77	-12.92	8.00	Pass
2	1	2412	-18.13	4.77	-13.36	8.00	Pass
	6	2437	-9.82	4.77	-5.05	8.00	Pass
	11	2462	-17.93	4.77	-13.16	8.00	Pass

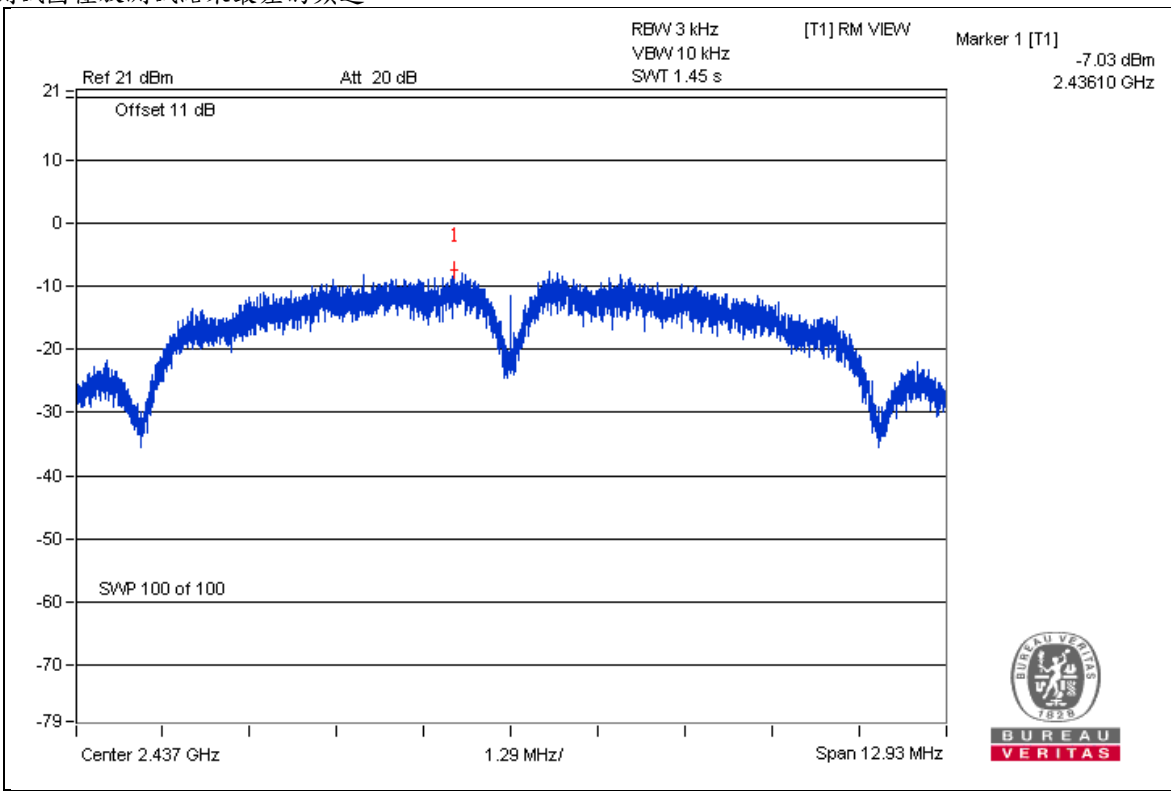
NOTE: Directional gain = 5.65dBi < 6dBi , so the power density limit shall not be reduced.

802.11n (HT40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/3kHz)	10 log (N=3) dB	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Pass /Fail
0	3	2422	-23.92	4.77	-19.15	8.00	Pass
	6	2437	-17.90	4.77	-13.13	8.00	Pass
	9	2452	-22.80	4.77	-18.03	8.00	Pass
1	3	2422	-23.41	4.77	-18.64	8.00	Pass
	6	2437	-19.84	4.77	-15.07	8.00	Pass
	9	2452	-22.98	4.77	-18.21	8.00	Pass
2	3	2422	-24.01	4.77	-19.24	8.00	Pass
	6	2437	-18.61	4.77	-13.84	8.00	Pass
	9	2452	-22.29	4.77	-17.52	8.00	Pass

NOTE: Directional gain = 5.65dBi < 6dBi , so the power density limit shall not be reduced.

**此測試圖僅放測試結果最差的頻道。



8.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

U-NII 頻段測試紀錄結果

9 帶外發射之量測

9.1 適用標準

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

9.2 量測方法

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

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

9.3 量測儀器

For 5GHz 802.11ac (VHT20), 802.11ac (VHT80) above 1GHz test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Keysight	N9038A	MY54450088	July 08, 2017	July 07, 2018
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Dec. 27, 2016	Dec. 26, 2017
Pre-Amplifier EMCI	EMC12630SE	980385	Feb. 02, 2017	Feb. 01, 2018
RF Cable	EMC104-SM-SM-1200 EMC104-SM-SM-2000 EMC104-SM-SM-5000	160923 150318 150321	Feb. 02, 2017 Mar. 29, 2017 Mar. 29, 2017	Feb. 01, 2018 Mar. 28, 2018 Mar. 28, 2018
Pre-Amplifier EMCI	EMC184045SE	980387	Feb. 02, 2017	Feb. 01, 2018
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Dec. 15, 2016	Dec. 14, 2017
RF Cable	SUCOFLEX 102	36432/2 36433/2	Jan. 15, 2017	Jan. 14, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 4.
4. The CANADA Site Registration No. is 20331-2
5. Loop antenna was used for all emissions below 30 MHz.
6. 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	Value
Radiated emissions (1GHz ~6GHz)	5.16 dB
Radiated emissions (6GHz ~18GHz)	4.91 dB
Radiated emissions (18GHz ~40GHz)	5.30 dB

For 5GHz other above 1GHz (UNII-1 & UNII-3) test

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 20, 2016	July 19, 2017
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Jan. 19, 2016	Jan. 18, 2017
Pre-Amplifier Agilent	8449B	3008A01922	Sep. 18, 2016	Sep. 17, 2017
RF Cable	EMC104-SM-SM-2000 EMC104-SM-SM-5000 EMC104-SM-SM-5000	150318 150323 150324	Mar. 30, 2016	Mar. 29, 2017
Pre-Amplifier EMCI	EMC184045	980143	Jan. 15, 2016	Jan. 14, 2017
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Jan. 08, 2016	Jan. 07, 2017
RF Cable	SUCOFLEX 102	36432/2 36441/2	Jan. 16, 2016	Jan. 15, 2017
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA
Spectrum Analyzer R&S	FSP40	100060	May 11, 2016	May 10, 2017
Power meter Anritsu	ML2495A	1014008	May 5, 2016	May 4, 2017
Power sensor Anritsu	MA2411B	0917122	May 5, 2016	May 4, 2017

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 966 Chamber No. 4.
3. The CANADA Site Registration No. is 20331-2
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	Value
Radiated emissions (1GHz ~6GHz)	3.43 dB
Radiated emissions (6GHz ~18GHz)	3.49 dB
Radiated emissions (18GHz ~40GHz)	4.11 dB

For 5GHz other above 1GHz (UNII-2A & UNII-2C) test

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver Keysight	N9038A	MY54450088	July 20, 2016	July 19, 2017
Horn_Antenna SCHWARZBECK	BBHA 9120D	9120D-783	Jan. 19, 2016	Jan. 18, 2017
Pre-Amplifier Agilent	8449B	3008A01922	Sep. 18, 2016	Sep. 17, 2017
RF Cable	EMC104-SM-SM-2000 EMC104-SM-SM-5000 EMC104-SM-SM-5000	150318 150323 150324	Mar. 30, 2016	Mar. 29, 2017
Pre-Amplifier EMCI	EMC184045	980143	Jan. 15, 2016	Jan. 14, 2017
Horn_Antenna SCHWARZBECK	BBHA 9170	BBHA9170608	Jan. 08, 2016	Jan. 07, 2017
RF Cable	SUCOFLEX 102	36432/2 36441/2	Jan. 16, 2016	Jan. 15, 2017
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208410	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP02	NA	NA
Spectrum Analyzer R&S	FSv40	100964	June 28, 2016	June 27, 2017
Power meter Anritsu	ML2495A	1014008	May 5, 2016	May 4, 2017
Power sensor Anritsu	MA2411B	0917122	May 5, 2016	May 4, 2017
AC Power Source Extech Electronics	6205	1440452	NA	NA
Temperature & Humidity Chamber Giant Force	GTH-150-40-SP-AR	MAA0812-008	Jan. 15, 2016	Jan. 14, 2017
Digital Multimeter FLUKE	87III	73680266	Nov. 10, 2016	Nov. 09, 2017

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 966 Chamber No. 4.
3. The CANADA Site Registration No. is 20331-2
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	Value
Radiated emissions (1GHz ~6GHz)	3.43 dB
Radiated emissions (6GHz ~18GHz)	3.49 dB
Radiated emissions (18GHz ~40GHz)	4.11 dB

For 5GHz below 1GHz test:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver Agilent	N9038A	MY50010156	July 12, 2017	July 11, 2018
Pre-Amplifier(*) EMCI	EMC001340	980142	Jan. 20, 2016	Jan. 19, 2018
Loop Antenna(*) Electro-Metrics	EM-6879	264	Dec. 16, 2016	Dec. 15, 2018
RF Cable	NA	LOOPCAB-001 LOOPCAB-002	Jan. 17, 2017	Jan. 16, 2018
Pre-Amplifier Mini-Circuits	ZFL-1000VH2B	AMP-ZFL-05	May 06, 2017	May 05, 2018
Trilog Broadband Antenna SCHWARZBECK	VULB 9168	9168-361	Dec. 29, 2016	Dec. 28, 2017
RF Cable	8D	966-3-1 966-3-2 966-3-3	Apr. 01, 2017	Mar. 31, 2018
Fixed attenuator Mini-Circuits	UNAT-5+	PAD-3m-3-01	Oct. 03, 2017	Oct. 02, 2018
Software	ADT_Radiated_V8.7.08	NA	NA	NA
Antenna Tower & Turn Table Max-Full	MF-7802	MF780208406	NA	NA

Note:

1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. *The calibration interval of the above test instruments is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in 966 Chamber No. 3.
4. The CANADA Site Registration No. is 20331-1
5 Loop antenna was used for all emissions below 30 MHz.
6. 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	Value
Radiated emissions (30MHz-1GHz)	5.32 dB

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	
789033 D02 General UNII Test Procedure New Rules v02r01			Field Strength at 3m	
			PK:74 (dBµV/m)	AV:54 (dBµV/m)
操作頻帶	Applicable To		EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 4.7.4.1 節		PK:-27 (dBm/MHz)	PK:68.2(dBµV/m)
5250~5350 MHz	技術規範 4.7.4.1 節			
5470~5725 MHz	技術規範 4.7.4.1 節			
5725~5850 MHz	☒	技術規範 4.7.4.2 節	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBµV/m) *1 PK:105.2 (dBµV/m) *2 PK: 110.8(dBµV/m) *3 PK:122.2 (dBµV/m) *4
	☐	技術規範 4.7.4.7 節	適用 3.10.1.5 節帶外發射限制	

*1 beyond 75 MHz or more above of the band edge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Note:

有效等向輻射功率限制值轉換場強之公式如下:

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

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

9.6 帶外發射之量測結果

9.6.1 發射諧波

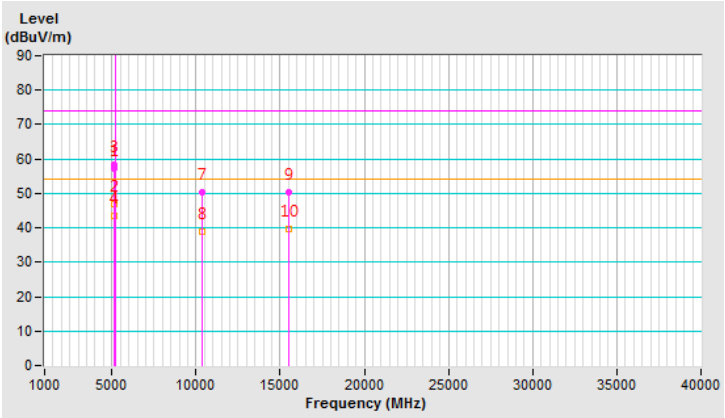
802.11a

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 36：5180 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 ：	22℃	量 測 場 地 濕 度 ：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5097.00	57.1 PK	74.0	-16.9	2.76 H	60	55.7	1.4
2	5097.00	46.9 AV	54.0	-7.1	2.76 H	60	45.5	1.4
3	5150.00	58.3 PK	74.0	-15.7	2.76 H	60	56.8	1.5
4	5150.00	43.5 AV	54.0	-10.5	2.76 H	60	42.0	1.5
5	*5180.00	111.1 PK			2.76 H	60	109.5	1.6
6	*5180.00	101.2 AV			2.76 H	60	99.6	1.6
7	#10360.00	50.2 PK	74.0	-23.8	1.69 H	187	38.7	11.5
8	#10360.00	39.0 AV	54.0	-15.0	1.69 H	187	27.5	11.5
9	15540.00	50.4 PK	74.0	-23.6	2.24 H	316	37.3	13.1
10	15540.00	39.6 AV	54.0	-14.4	2.24 H	316	26.5	13.1
11	20720.00	-	-	-	-	-	-	-
12	#25900.00	-	-	-	-	-	-	-
13	#31080.00	-	-	-	-	-	-	-
14	#36260.00	-	-	-	-	-	-	-

REMARKS:

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

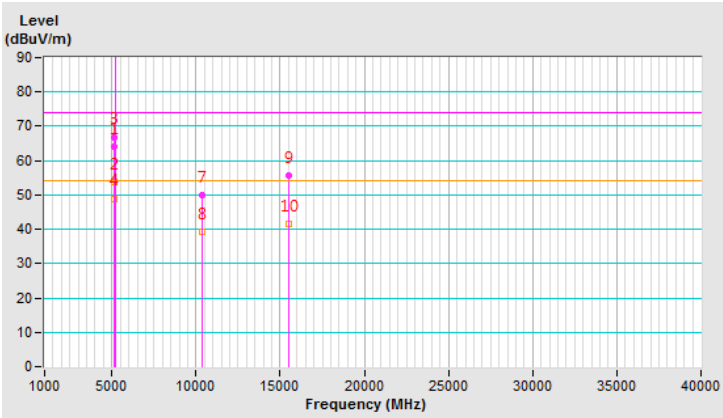


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 36：5180 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5097.00	64.0 PK	74.0	-10.0	1.79 V	168	62.6	1.4
2	5097.00	53.9 AV	54.0	-0.1	1.79 V	168	52.5	1.4
3	5150.00	66.9 PK	74.0	-7.1	1.73 V	150	65.4	1.5
4	5150.00	49.0 AV	54.0	-5.0	1.73 V	150	47.5	1.5
5	*5180.00	117.5 PK			1.73 V	150	115.9	1.6
6	*5180.00	107.7 AV			1.73 V	150	106.1	1.6
7	#10360.00	50.1 PK	74.0	-23.9	2.29 V	194	38.6	11.5
8	#10360.00	39.3 AV	54.0	-14.7	2.29 V	194	27.8	11.5
9	15540.00	55.8 PK	74.0	-18.2	1.20 V	182	42.7	13.1
10	15540.00	41.4 AV	54.0	-12.6	1.20 V	182	28.3	13.1
11	20720.00	-	-	-	-	-	-	-
12	#25900.00	-	-	-	-	-	-	-
13	#31080.00	-	-	-	-	-	-	-
14	#36260.00	-	-	-	-	-	-	-

REMARKS:

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

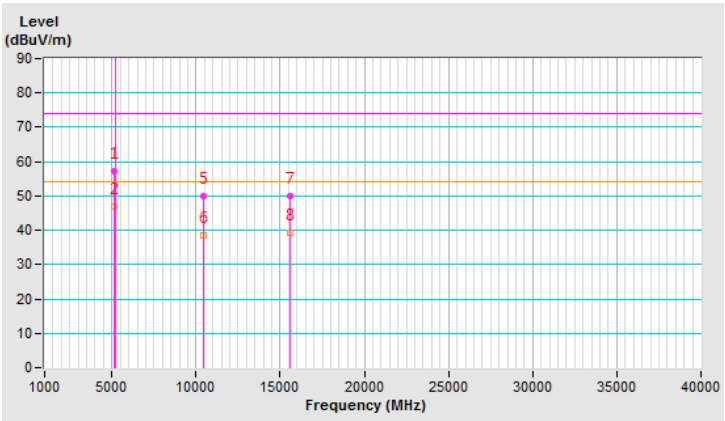


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 40：5200 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5121.00	57.1 PK	74.0	-16.9	2.75 H	58	55.7	1.4
2	5121.00	46.8 AV	54.0	-7.2	2.75 H	58	45.4	1.4
3	*5200.00	110.2 PK			2.75 H	58	108.5	1.7
4	*5200.00	100.1 AV			2.75 H	58	98.4	1.7
5	#10400.00	49.8 PK	74.0	-24.2	1.63 H	209	38.2	11.6
6	#10400.00	38.5 AV	54.0	-15.5	1.63 H	209	26.9	11.6
7	15600.00	49.9 PK	74.0	-24.1	2.23 H	291	36.8	13.1
8	15600.00	39.2 AV	54.0	-14.8	2.23 H	291	26.1	13.1
9	20800.00	-	-	-	-	-	-	-
10	#26000.00	-	-	-	-	-	-	-
11	31200.00	-	-	-	-	-	-	-
12	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

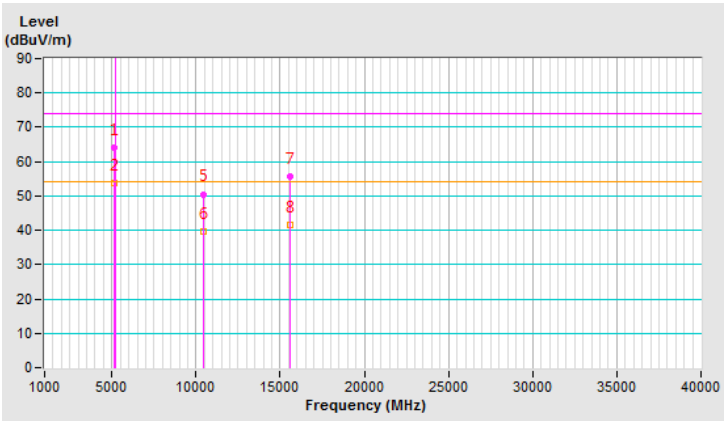


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 40：5200 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5121.00	64.1 PK	74.0	-9.9	1.73 V	169	62.7	1.4
2	5121.00	53.8 AV	54.0	-0.2	1.73 V	169	52.4	1.4
3	*5200.00	115.9 PK			1.73 V	169	114.2	1.7
4	*5200.00	106.7 AV			1.73 V	169	105.0	1.7
5	#10400.00	50.5 PK	74.0	-23.5	2.23 V	189	38.9	11.6
6	#10400.00	39.6 AV	54.0	-14.4	2.23 V	189	28.0	11.6
7	15600.00	55.6 PK	74.0	-18.4	1.23 V	173	42.5	13.1
8	15600.00	41.4 AV	54.0	-12.6	1.23 V	173	28.3	13.1
9	20800.00	-	-	-	-	-	-	-
10	#26000.00	-	-	-	-	-	-	-
11	31200.00	-	-	-	-	-	-	-
12	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

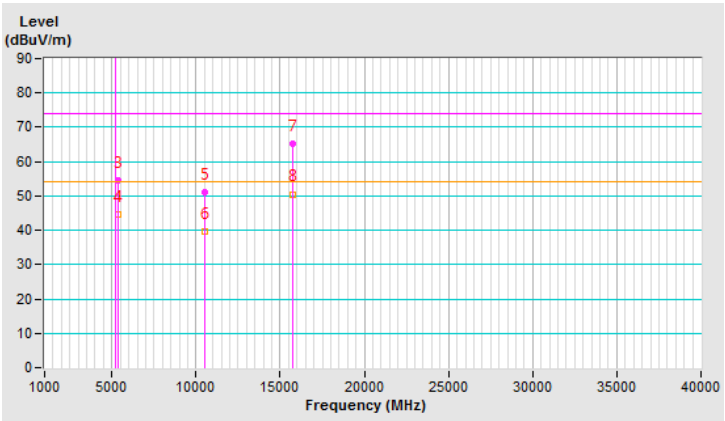


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 48：5240 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	116.2 PK			2.81 H	62	114.6	1.6
2	*5240.00	106.8 AV			2.81 H	62	105.2	1.6
3	5401.00	54.6 PK	74.0	-19.4	2.81 H	62	52.5	2.1
4	5401.00	44.7 AV	54.0	-9.3	2.81 H	62	42.6	2.1
5	#10480.00	51.1 PK	74.0	-22.9	1.62 H	209	39.1	12.0
6	#10480.00	39.6 AV	54.0	-14.4	1.62 H	209	27.6	12.0
7	15720.00	65.2 PK	74.0	-8.8	2.17 H	304	52.0	13.2
8	15720.00	50.5 AV	54.0	-3.5	2.17 H	304	37.3	13.2
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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

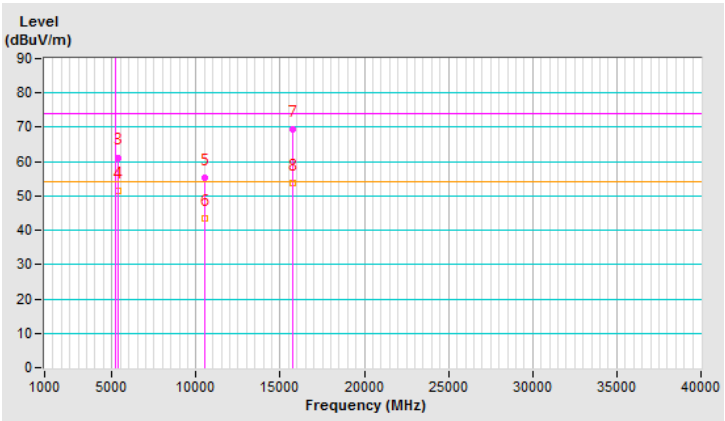


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 48：5240 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	120.9 PK			1.77 V	172	119.3	1.6
2	*5240.00	112.0 AV			1.77 V	172	110.4	1.6
3	5401.00	61.2 PK	74.0	-12.8	1.77 V	172	59.1	2.1
4	5401.00	51.5 AV	54.0	-2.5	1.77 V	172	49.4	2.1
5	#10480.00	55.4 PK	74.0	-18.6	2.28 V	196	43.4	12.0
6	#10480.00	43.3 AV	54.0	-10.7	2.28 V	196	31.3	12.0
7	15720.00	69.4 PK	74.0	-4.6	1.21 V	168	56.2	13.2
8	15720.00	53.9 AV	54.0	-0.1	1.21 V	168	40.7	13.2
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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

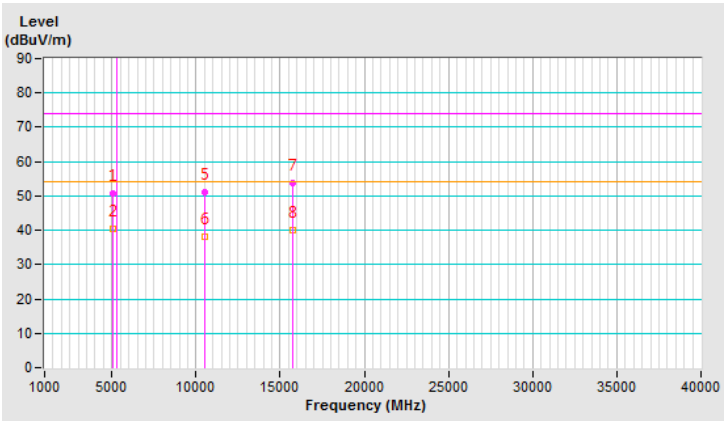


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 52：5260 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5038.00	50.8 PK	74.0	-23.2	2.94 H	156	49.5	1.3
2	5038.00	40.5 AV	54.0	-13.5	2.94 H	156	39.2	1.3
3	*5260.00	108.4 PK			2.94 H	156	106.7	1.7
4	*5260.00	99.2 AV			2.94 H	156	97.5	1.7
5	#10520.00	51.1 PK	74.0	-22.9	1.45 H	302	38.8	12.3
6	#10520.00	38.2 AV	54.0	-15.8	1.45 H	302	25.9	12.3
7	15780.00	53.7 PK	74.0	-20.3	2.14 H	99	40.6	13.1
8	15780.00	39.9 AV	54.0	-14.1	2.14 H	99	26.8	13.1
9	21040.00	-	-	-	-	-	-	-
10	#26300.00	-	-	-	-	-	-	-
11	31560.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

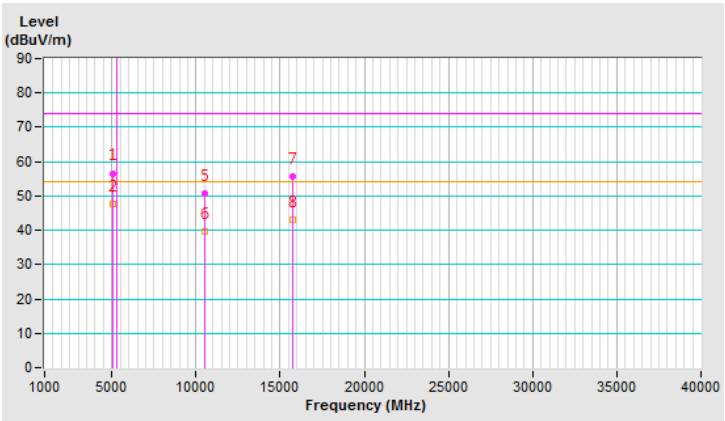


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 52：5260 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5038.00	56.6 PK	74.0	-17.4	2.02 V	167	55.3	1.3
2	5038.00	47.7 AV	54.0	-6.3	2.02 V	167	46.4	1.3
3	*5260.00	115.1 PK			2.02 V	167	113.4	1.7
4	*5260.00	105.8 AV			2.02 V	167	104.1	1.7
5	#10520.00	50.7 PK	74.0	-23.3	2.30 V	233	38.4	12.3
6	#10520.00	39.5 AV	54.0	-14.5	2.30 V	233	27.2	12.3
7	15780.00	55.8 PK	74.0	-18.2	1.00 V	185	42.7	13.1
8	15780.00	43.0 AV	54.0	-11.0	1.00 V	185	29.9	13.1
9	21040.00	-	-	-	-	-	-	-
10	#26300.00	-	-	-	-	-	-	-
11	31560.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

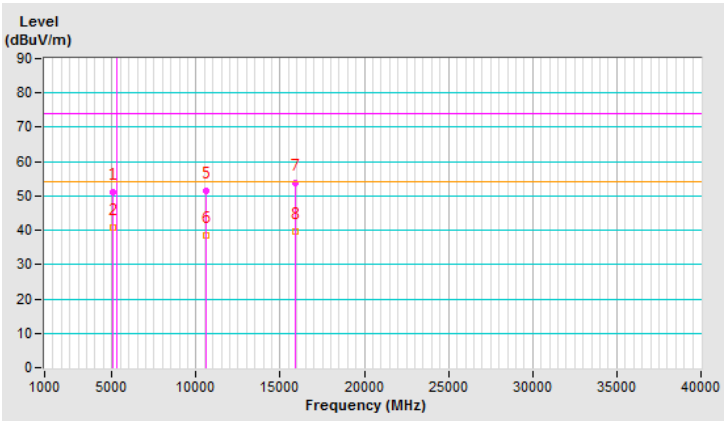


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 60：5300 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5079.00	51.2 PK	74.0	-22.8	2.93 H	146	49.9	1.3
2	5079.00	40.7 AV	54.0	-13.3	2.93 H	146	39.4	1.3
3	*5300.00	108.5 PK			2.93 H	146	106.7	1.8
4	*5300.00	99.2 AV			2.93 H	146	97.4	1.8
5	10600.00	51.6 PK	74.0	-22.4	1.42 H	287	39.1	12.5
6	10600.00	38.6 AV	54.0	-15.4	1.42 H	287	26.1	12.5
7	15900.00	53.6 PK	74.0	-20.4	2.08 H	109	40.6	13.0
8	15900.00	39.8 AV	54.0	-14.2	2.08 H	109	26.8	13.0
9	21200.00	-	-	-	-	-	-	-
10	#26500.00	-	-	-	-	-	-	-
11	31800.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

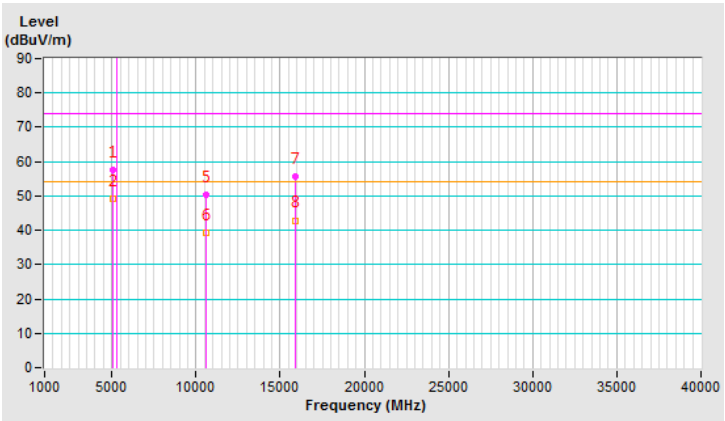


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 60：5300 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5079.00	57.5 PK	74.0	-16.5	1.98 V	155	56.2	1.3
2	5079.00	49.2 AV	54.0	-4.8	1.98 V	155	47.9	1.3
3	*5300.00	115.2 PK			1.98 V	155	113.4	1.8
4	*5300.00	105.9 AV			1.98 V	155	104.1	1.8
5	10600.00	50.2 PK	74.0	-23.8	2.30 V	242	37.7	12.5
6	10600.00	39.1 AV	54.0	-14.9	2.30 V	242	26.6	12.5
7	15900.00	55.5 PK	74.0	-18.5	1.05 V	189	42.5	13.0
8	15900.00	42.9 AV	54.0	-11.1	1.05 V	189	29.9	13.0
9	21200.00	-	-	-	-	-	-	-
10	#26500.00	-	-	-	-	-	-	-
11	31800.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

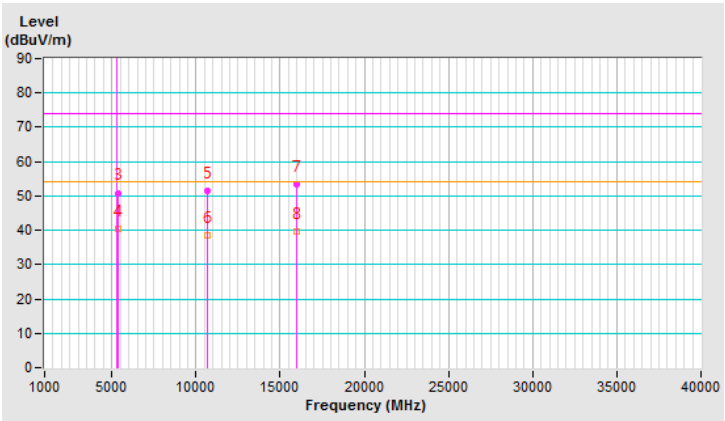


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 64：5320 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	107.8 PK			2.96 H	142	106.0	1.8
2	*5320.00	98.8 AV			2.96 H	142	97.0	1.8
3	5350.00	50.9 PK	74.0	-23.1	2.96 H	142	49.0	1.9
4	5350.00	40.5 AV	54.0	-13.5	2.96 H	142	38.6	1.9
5	10640.00	51.3 PK	74.0	-22.7	1.42 H	303	38.8	12.5
6	10640.00	38.4 AV	54.0	-15.6	1.42 H	303	25.9	12.5
7	15960.00	53.5 PK	74.0	-20.5	2.11 H	86	40.6	12.9
8	15960.00	39.8 AV	54.0	-14.2	2.11 H	86	26.9	12.9
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

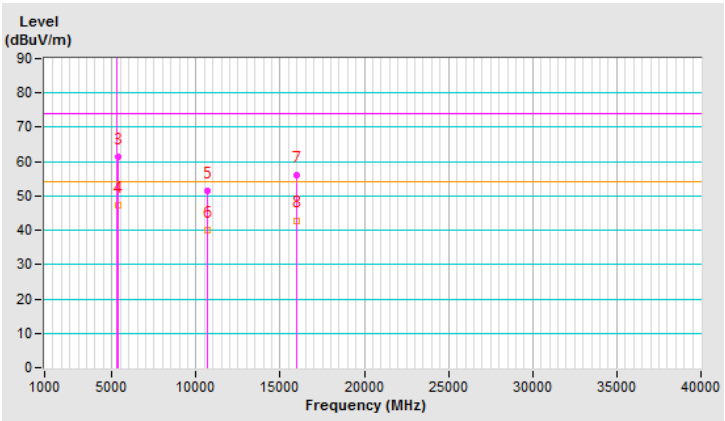


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 64：5320 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	114.7 PK			2.00 V	181	112.9	1.8
2	*5320.00	105.5 AV			2.00 V	181	103.7	1.8
3	5350.00	61.5 PK	74.0	-12.5	2.00 V	181	59.6	1.9
4	5350.00	47.3 AV	54.0	-6.7	2.00 V	181	45.4	1.9
5	10640.00	51.4 PK	74.0	-22.6	2.35 V	229	38.9	12.5
6	10640.00	39.9 AV	54.0	-14.1	2.35 V	229	27.4	12.5
7	15960.00	55.9 PK	74.0	-18.1	1.00 V	187	43.0	12.9
8	15960.00	42.9 AV	54.0	-11.1	1.00 V	187	30.0	12.9
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

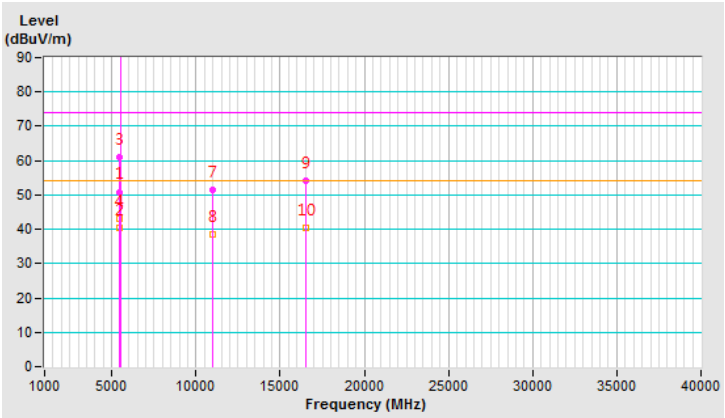


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 100：5500 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.00	50.9 PK	74.0	-23.1	2.91 H	164	48.8	2.1
2	5418.00	40.5 AV	54.0	-13.5	2.91 H	164	38.4	2.1
3	#5470.00	61.1 PK	74.0	-12.9	2.91 H	164	59.0	2.1
4	#5470.00	43.2 AV	54.0	-10.8	2.91 H	164	41.1	2.1
5	*5500.00	106.9 PK			2.91 H	164	104.8	2.1
6	*5500.00	97.8 AV			2.91 H	164	95.7	2.1
7	11000.00	51.5 PK	74.0	-22.5	1.40 H	304	38.3	13.2
8	11000.00	38.4 AV	54.0	-15.6	1.40 H	304	25.2	13.2
9	#16500.00	54.1 PK	74.0	-19.9	2.09 H	93	39.1	15.0
10	#16500.00	40.3 AV	54.0	-13.7	2.09 H	93	25.3	15.0
11	#22000.00	-	-	-	-	-	-	-
12	#27500.00	-	-	-	-	-	-	-
13	#33000.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

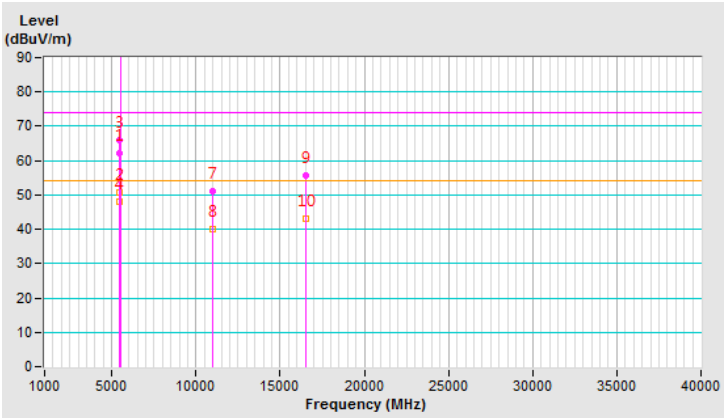


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 100：5500 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.00	62.1 PK	74.0	-11.9	2.11 V	94	60.0	2.1
2	5418.00	50.8 AV	54.0	-3.2	2.11 V	94	48.7	2.1
3	#5470.00	66.1 PK	74.0	-7.9	2.11 V	94	64.0	2.1
4	#5470.00	48.0 AV	54.0	-6.0	2.11 V	94	45.9	2.1
5	*5500.00	114.7 PK			2.11 V	94	112.6	2.1
6	*5500.00	104.8 AV			2.11 V	94	102.7	2.1
7	11000.00	51.0 PK	74.0	-23.0	2.27 V	225	37.8	13.2
8	11000.00	39.9 AV	54.0	-14.1	2.27 V	225	26.7	13.2
9	#16500.00	55.6 PK	74.0	-18.4	1.00 V	201	40.6	15.0
10	#16500.00	43.0 AV	54.0	-11.0	1.00 V	201	28.0	15.0
11	#22000.00	-	-	-	-	-	-	-
12	#27500.00	-	-	-	-	-	-	-
13	#33000.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

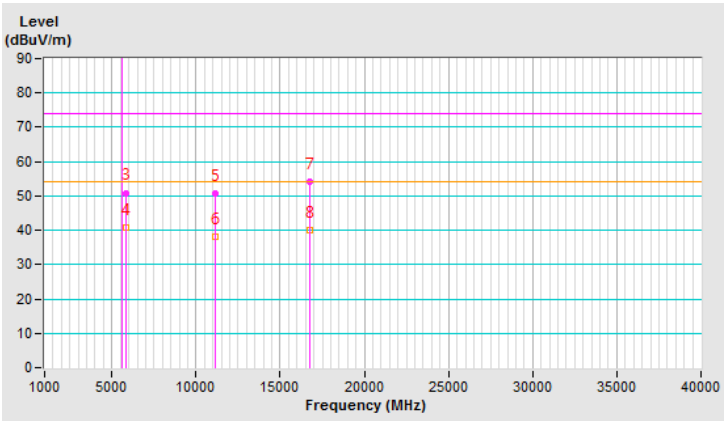


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 116：5580 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	106.7 PK			2.86 H	173	104.4	2.3
2	*5580.00	97.5 AV			2.86 H	173	95.2	2.3
3	#5815.00	50.9 PK	74.0	-23.1	2.86 H	173	48.2	2.7
4	#5815.00	40.7 AV	54.0	-13.3	2.86 H	173	38.0	2.7
5	11160.00	50.7 PK	74.0	-23.3	1.40 H	305	37.6	13.1
6	11160.00	38.0 AV	54.0	-16.0	1.40 H	305	24.9	13.1
7	#16740.00	54.1 PK	74.0	-19.9	2.20 H	99	38.0	16.1
8	#16740.00	40.1 AV	54.0	-13.9	2.20 H	99	24.0	16.1
9	22320.00	-	-	-	-	-	-	-
10	#27900.00	-	-	-	-	-	-	-
11	#33480.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

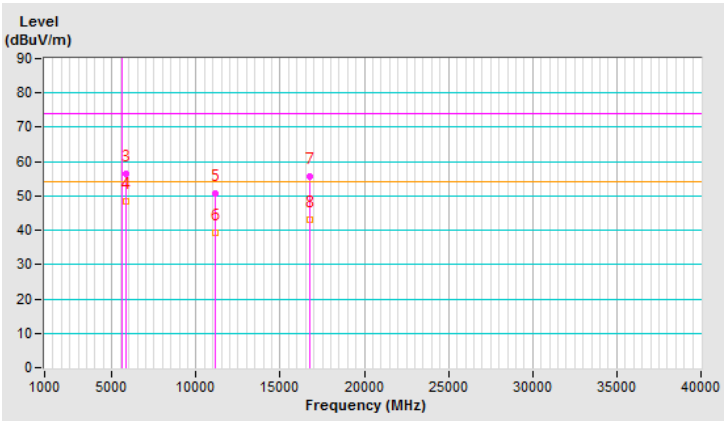


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 116：5580 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5580.00	114.9 PK			2.05 V	84	112.6	2.3
2	*5580.00	105.0 AV			2.05 V	84	102.7	2.3
3	#5815.00	56.3 PK	74.0	-17.7	2.05 V	84	53.6	2.7
4	#5815.00	48.3 AV	54.0	-5.7	2.05 V	84	45.6	2.7
5	11160.00	50.7 PK	74.0	-23.3	2.32 V	228	37.6	13.1
6	11160.00	39.4 AV	54.0	-14.6	2.32 V	228	26.3	13.1
7	#16740.00	55.8 PK	74.0	-18.2	1.04 V	191	39.7	16.1
8	#16740.00	43.2 AV	54.0	-10.8	1.04 V	191	27.1	16.1
9	22320.00	-	-	-	-	-	-	-
10	#27900.00	-	-	-	-	-	-	-
11	#33480.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

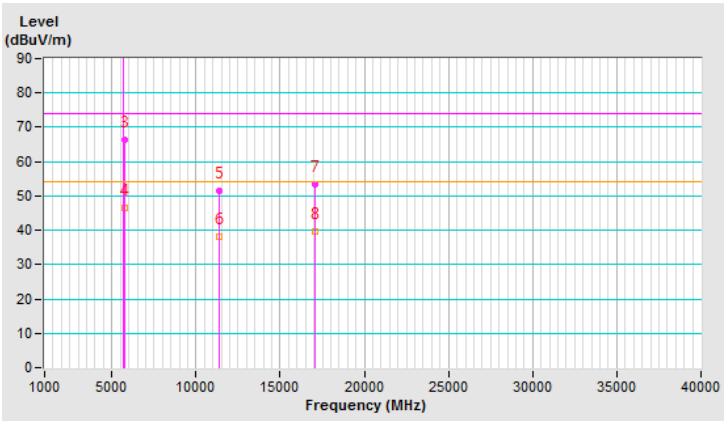


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 140：5700 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	107.1 PK			2.90 H	159	104.4	2.7
2	*5700.00	98.0 AV			2.90 H	159	95.3	2.7
3	#5725.00	66.4 PK	74.0	-7.6	2.90 H	159	63.7	2.7
4	#5725.00	46.4 AV	54.0	-7.6	2.90 H	159	43.7	2.7
5	11400.00	51.3 PK	74.0	-22.7	1.51 H	304	38.0	13.3
6	11400.00	38.1 AV	54.0	-15.9	1.51 H	304	24.8	13.3
7	#17100.00	53.5 PK	74.0	-20.5	2.12 H	90	35.8	17.7
8	#17100.00	39.7 AV	54.0	-14.3	2.12 H	90	22.0	17.7
9	22800.00	-	-	-	-	-	-	-
10	#28500.00	-	-	-	-	-	-	-
11	#34200.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

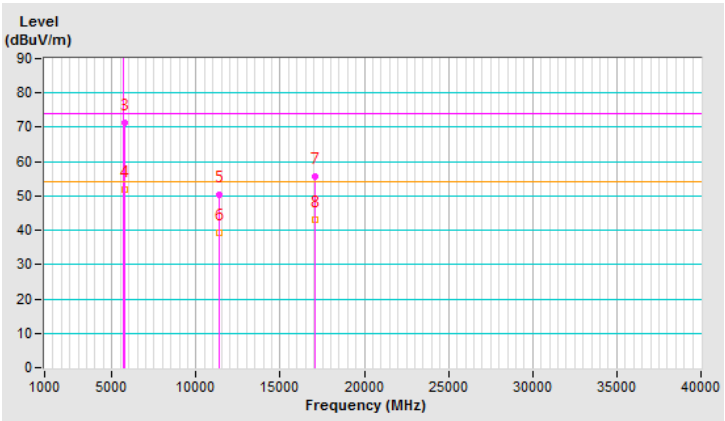


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 140：5700 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	114.7 PK			2.06 V	89	112.0	2.7
2	*5700.00	105.1 AV			2.06 V	89	102.4	2.7
3	#5725.00	71.2 PK	74.0	-2.8	2.06 V	89	68.5	2.7
4	#5725.00	51.8 AV	54.0	-2.2	2.06 V	89	49.1	2.7
5	11400.00	50.2 PK	74.0	-23.8	2.31 V	220	36.9	13.3
6	11400.00	39.1 AV	54.0	-14.9	2.31 V	220	25.8	13.3
7	#17100.00	55.7 PK	74.0	-18.3	1.06 V	189	38.0	17.7
8	#17100.00	43.2 AV	54.0	-10.8	1.06 V	189	25.5	17.7
9	22800.00	-	-	-	-	-	-	-
10	#28500.00	-	-	-	-	-	-	-
11	#34200.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

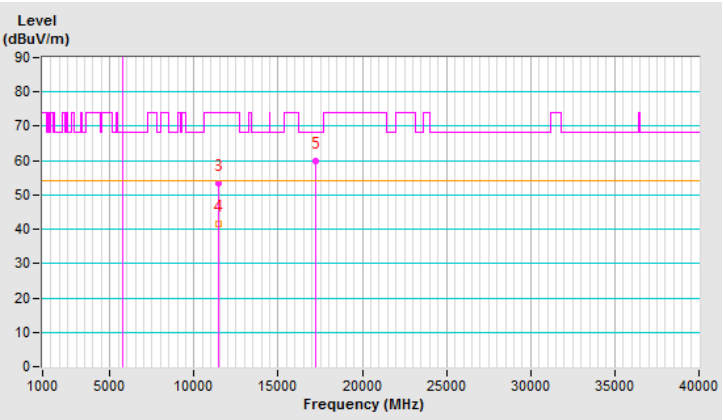


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	114.5 PK			1.07 H	171	111.8	2.7
2	*5745.00	106.8 AV			1.07 H	171	104.1	2.7
3	11490.00	53.4 PK	74.0	-20.6	1.40 H	5	40.0	13.4
4	11490.00	41.7 AV	54.0	-12.3	1.40 H	5	28.3	13.4
5	#17235.00	59.7 PK	68.2	-8.5	2.19 H	294	41.4	18.3
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

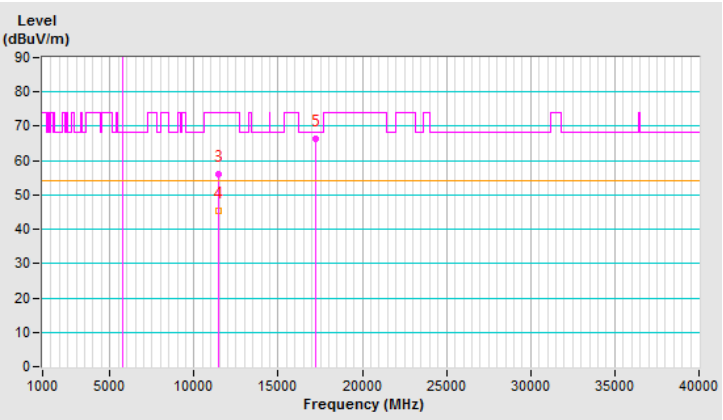


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	122.1 PK			1.78 V	6	119.4	2.7
2	*5745.00	112.1 AV			1.78 V	6	109.4	2.7
3	11490.00	56.0 PK	74.0	-18.0	2.18 V	280	42.6	13.4
4	11490.00	45.2 AV	54.0	-8.8	2.18 V	280	31.8	13.4
5	#17235.00	66.5 PK	68.2	-1.7	1.94 V	360	48.2	18.3
6	22980.00	-	-	-	-	-	-	-
7	#28725.00	-	-	-	-	-	-	-
8	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

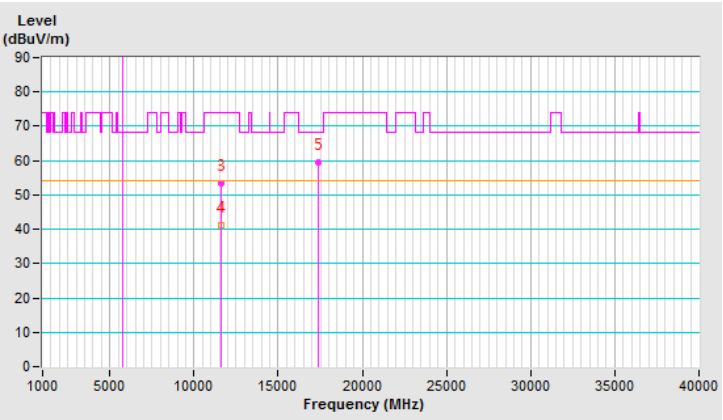


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	114.4 PK			1.02 H	167	111.7	2.7
2	*5785.00	106.9 AV			1.02 H	167	104.2	2.7
3	11570.00	53.2 PK	74.0	-20.8	1.42 H	0	40.1	13.1
4	11570.00	41.3 AV	54.0	-12.7	1.42 H	0	28.2	13.1
5	#17355.00	59.5 PK	68.2	-8.7	2.22 H	297	40.7	18.8
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

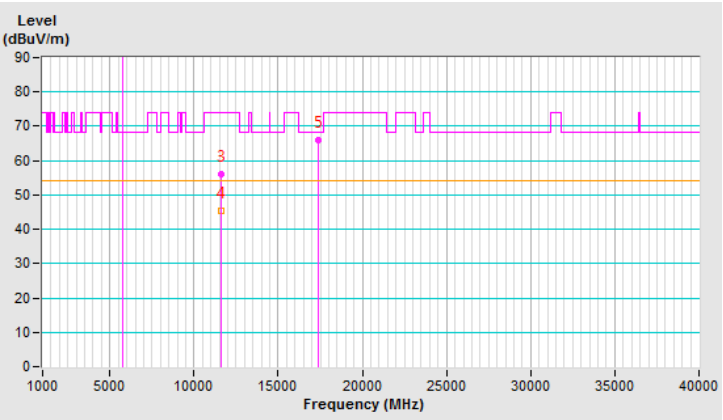


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	121.6 PK			1.87 V	4	118.9	2.7
2	*5785.00	111.6 AV			1.87 V	4	108.9	2.7
3	11570.00	55.9 PK	74.0	-18.1	2.17 V	266	42.8	13.1
4	11570.00	45.2 AV	54.0	-8.8	2.17 V	266	32.1	13.1
5	#17355.00	66.0 PK	68.2	-2.2	1.88 V	360	47.2	18.8
6	#23140.00	-	-	-	-	-	-	-
7	#28925.00	-	-	-	-	-	-	-
8	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

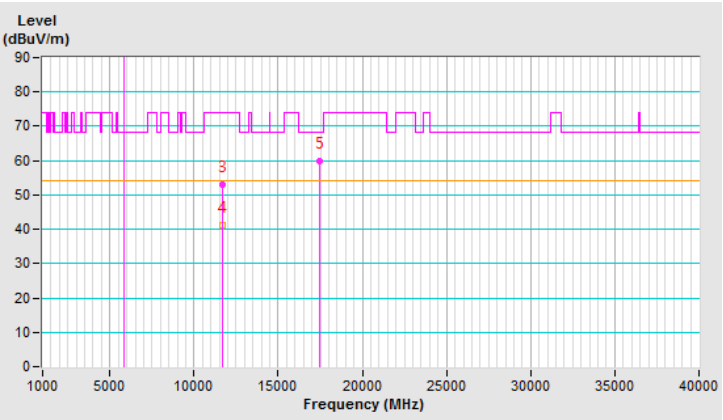


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	115.1 PK			1.02 H	167	112.4	2.7
2	*5825.00	107.2 AV			1.02 H	167	104.5	2.7
3	11650.00	53.1 PK	74.0	-20.9	1.42 H	1	40.0	13.1
4	11650.00	41.1 AV	54.0	-12.9	1.42 H	1	28.0	13.1
5	#17475.00	59.7 PK	68.2	-8.5	2.17 H	303	40.5	19.2
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#34950.00	-	-	-	-	-	-	-

REMARKS:

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

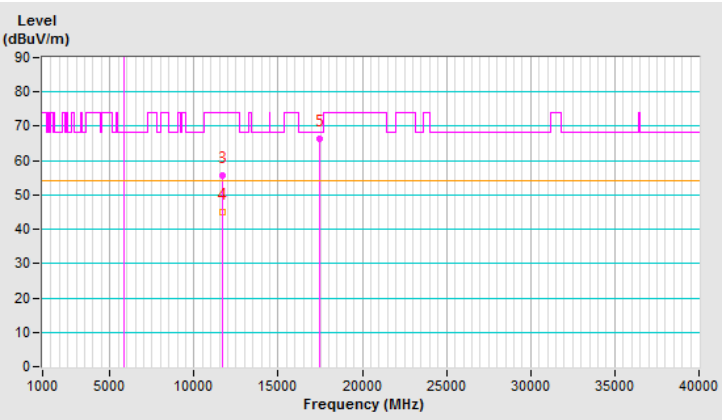


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	121.6 PK			1.97 V	5	118.9	2.7
2	*5825.00	111.7 AV			1.97 V	5	109.0	2.7
3	11650.00	55.5 PK	74.0	-18.5	2.14 V	255	42.4	13.1
4	11650.00	44.9 AV	54.0	-9.1	2.14 V	255	31.8	13.1
5	#17475.00	66.5 PK	68.2	-1.7	1.83 V	360	47.3	19.2
6	#23300.00	-	-	-	-	-	-	-
7	#29125.00	-	-	-	-	-	-	-
8	#34950.00	-	-	-	-	-	-	-

REMARKS:

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



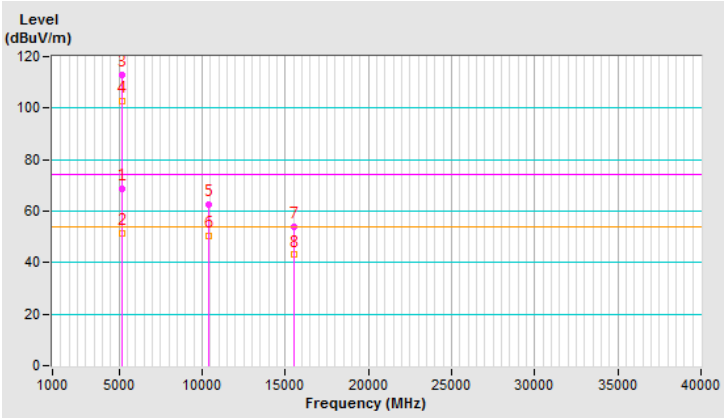
802.11ac (VHT20)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 36：5180 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 ：	22℃	量 測 場 地 濕 度 ：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	68.5 PK	74.0	-5.5	1.13 H	196	64.5	4.0
2	5150.00	51.4 AV	54.0	-2.6	1.13 H	196	47.4	4.0
3	*5180.00	112.8 PK			1.13 H	196	108.8	4.0
4	*5180.00	102.7 AV			1.13 H	196	98.7	4.0
5	#10360.00	62.4 PK	74.0	-11.6	1.25 H	343	48.8	13.6
6	#10360.00	50.4 AV	54.0	-3.6	1.25 H	343	36.8	13.6
7	15540.00	54.1 PK	74.0	-19.9	1.45 H	195	40.9	13.2
8	15540.00	43.0 AV	54.0	-11.0	1.45 H	195	29.8	13.2
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#36260.00	-	-	-	-	-	-	-

REMARKS:

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

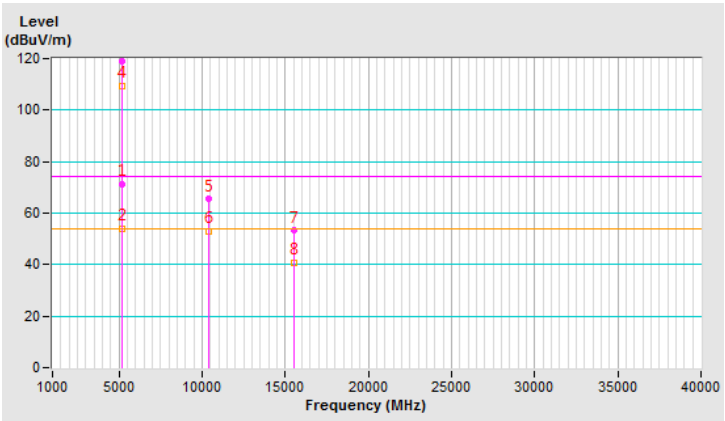


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 36：5180 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	71.4 PK	74.0	-2.6	1.89 V	173	67.4	4.0
2	5150.00	53.9 AV	54.0	-0.1	1.89 V	173	49.9	4.0
3	*5180.00	118.8 PK			1.89 V	173	114.8	4.0
4	*5180.00	109.3 AV			1.89 V	173	105.3	4.0
5	#10360.00	65.4 PK	74.0	-8.6	2.09 V	19	51.8	13.6
6	#10360.00	52.9 AV	54.0	-1.1	2.09 V	19	39.3	13.6
7	15540.00	53.2 PK	74.0	-20.8	1.98 V	199	40.0	13.2
8	15540.00	40.6 AV	54.0	-13.4	1.98 V	199	27.4	13.2
9	20720.00	-	-	-	-	-	-	-
10	#25900.00	-	-	-	-	-	-	-
11	#31080.00	-	-	-	-	-	-	-
12	#36260.00	-	-	-	-	-	-	-

REMARKS:

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

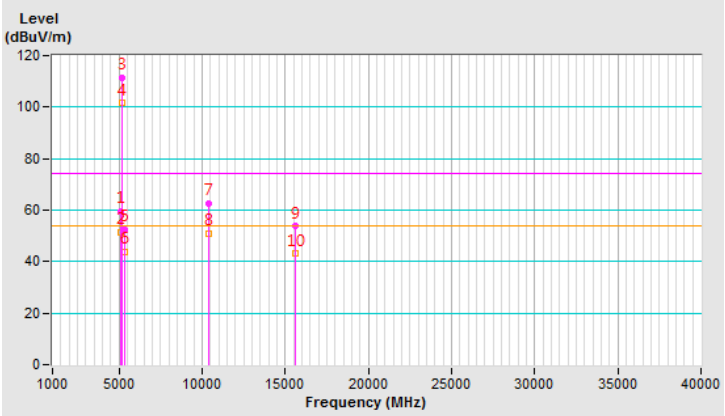


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 40：5200 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5115.00	59.7 PK	74.0	-14.3	1.06 H	207	55.8	3.9
2	5115.00	51.4 AV	54.0	-2.6	1.06 H	207	47.5	3.9
3	*5200.00	111.6 PK			1.06 H	207	107.6	4.0
4	*5200.00	101.5 AV			1.06 H	207	97.5	4.0
5	5355.00	52.3 PK	74.0	-21.7	1.06 H	207	47.9	4.4
6	5355.00	43.6 AV	54.0	-10.4	1.06 H	207	39.2	4.4
7	#10400.00	62.7 PK	74.0	-11.3	1.33 H	350	49.1	13.6
8	#10400.00	50.8 AV	54.0	-3.2	1.33 H	350	37.2	13.6
9	15600.00	53.7 PK	74.0	-20.3	1.44 H	210	40.3	13.4
10	15600.00	43.0 AV	54.0	-11.0	1.44 H	210	29.6	13.4
11	20800.00	-	-	-	-	-	-	-
12	#26000.00	-	-	-	-	-	-	-
13	31200.00	-	-	-	-	-	-	-
14	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

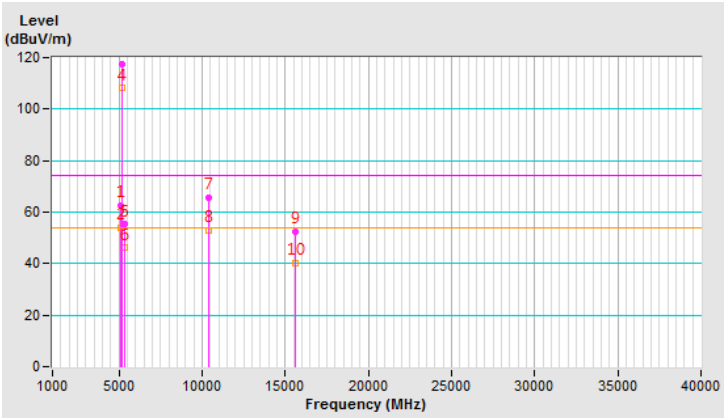


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 40：5200 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5115.00	62.6 PK	74.0	-11.4	1.86 V	173	58.7	3.9
2	5115.00	53.9 AV	54.0	-0.1	1.86 V	173	50.0	3.9
3	*5200.00	117.6 PK			1.86 V	173	113.6	4.0
4	*5200.00	108.1 AV			1.86 V	173	104.1	4.0
5	5355.00	55.2 PK	74.0	-18.8	1.86 V	174	50.8	4.4
6	5355.00	46.1 AV	54.0	-7.9	1.86 V	174	41.7	4.4
7	#10400.00	65.8 PK	74.0	-8.2	2.12 V	40	52.2	13.6
8	#10400.00	53.0 AV	54.0	-1.0	2.12 V	40	39.4	13.6
9	15600.00	52.6 PK	74.0	-21.4	1.99 V	200	39.2	13.4
10	15600.00	40.3 AV	54.0	-13.7	1.99 V	200	26.9	13.4
11	20800.00	-	-	-	-	-	-	-
12	#26000.00	-	-	-	-	-	-	-
13	31200.00	-	-	-	-	-	-	-
14	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

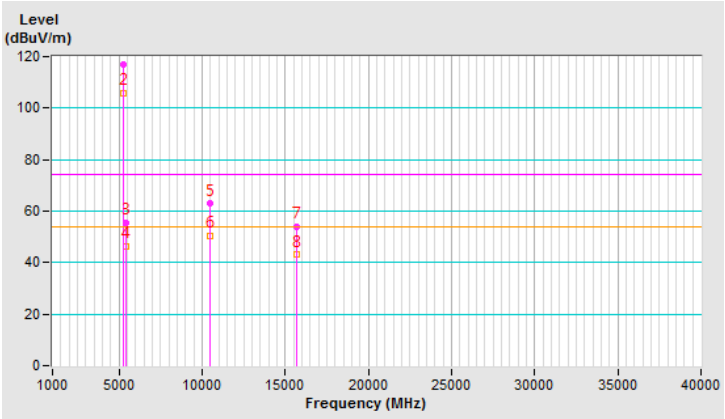


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 48：5240 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	116.9 PK			1.05 H	207	112.7	4.2
2	*5240.00	106.0 AV			1.05 H	207	101.8	4.2
3	5398.00	55.4 PK	74.0	-18.6	1.05 H	207	51.0	4.4
4	5398.00	46.4 AV	54.0	-7.6	1.05 H	207	42.0	4.4
5	#10480.00	62.8 PK	74.0	-11.2	1.27 H	360	49.1	13.7
6	#10480.00	50.3 AV	54.0	-3.7	1.27 H	360	36.6	13.7
7	15720.00	53.8 PK	74.0	-20.2	1.49 H	196	39.8	14.0
8	15720.00	43.0 AV	54.0	-11.0	1.49 H	196	29.0	14.0
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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

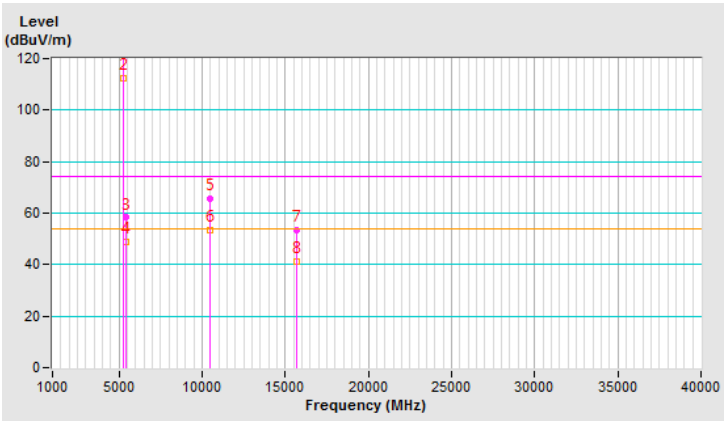


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 48：5240 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5240.00	122.9 PK			1.89 V	193	118.7	4.2
2	*5240.00	112.6 AV			1.89 V	193	108.4	4.2
3	5398.00	58.3 PK	74.0	-15.7	1.89 V	193	53.9	4.4
4	5398.00	48.9 AV	54.0	-5.1	1.89 V	193	44.5	4.4
5	#10480.00	65.8 PK	74.0	-8.2	2.09 V	40	52.1	13.7
6	#10480.00	53.4 AV	54.0	-0.6	2.09 V	40	39.7	13.7
7	15720.00	53.4 PK	74.0	-20.6	2.06 V	205	39.4	14.0
8	15720.00	41.1 AV	54.0	-12.9	2.06 V	205	27.1	14.0
9	20960.00	-	-	-	-	-	-	-
10	#26200.00	-	-	-	-	-	-	-
11	31440.00	-	-	-	-	-	-	-
12	#36680.00	-	-	-	-	-	-	-

REMARKS:

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

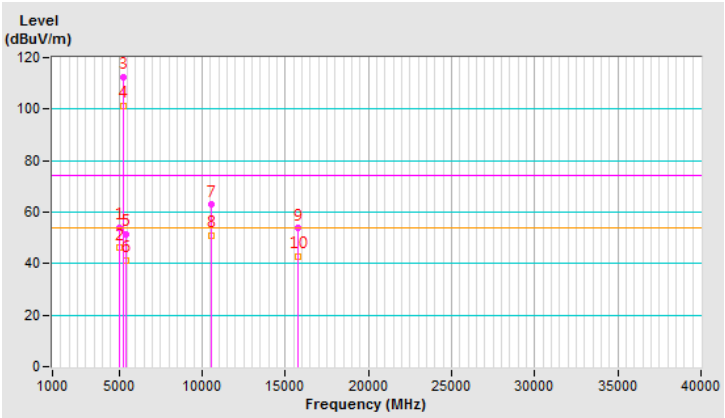


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 52：5260 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5046.00	54.1 PK	74.0	-19.9	1.04 H	187	50.2	3.9
2	5046.00	46.1 AV	54.0	-7.9	1.04 H	187	42.2	3.9
3	*5260.00	112.3 PK			1.04 H	187	108.1	4.2
4	*5260.00	101.4 AV			1.04 H	187	97.2	4.2
5	5415.00	51.3 PK	74.0	-22.7	1.04 H	187	46.9	4.4
6	5415.00	41.4 AV	54.0	-12.6	1.04 H	187	37.0	4.4
7	#10520.00	62.8 PK	74.0	-11.2	1.29 H	360	49.0	13.8
8	#10520.00	50.7 AV	54.0	-3.3	1.29 H	360	36.9	13.8
9	15780.00	53.7 PK	74.0	-20.3	1.39 H	190	39.6	14.1
10	15780.00	42.9 AV	54.0	-11.1	1.39 H	190	28.8	14.1
11	21040.00	-	-	-	-	-	-	-
12	#26300.00	-	-	-	-	-	-	-
13	31560.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

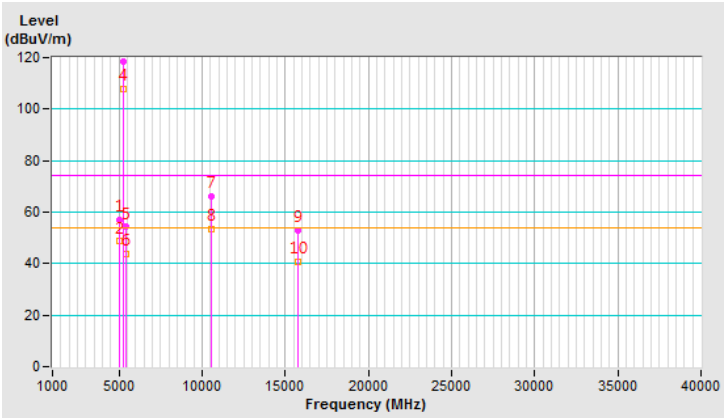


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 52：5260 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5046.00	57.0 PK	74.0	-17.0	1.77 V	173	53.1	3.9
2	5046.00	48.6 AV	54.0	-5.4	1.77 V	173	44.7	3.9
3	*5260.00	118.3 PK			1.77 V	173	114.1	4.2
4	*5260.00	108.0 AV			1.77 V	173	103.8	4.2
5	5415.00	54.2 PK	74.0	-19.8	1.77 V	173	49.8	4.4
6	5415.00	43.9 AV	54.0	-10.1	1.77 V	173	39.5	4.4
7	#10520.00	66.0 PK	74.0	-8.0	2.10 V	29	52.2	13.8
8	#10520.00	53.6 AV	54.0	-0.4	2.10 V	29	39.8	13.8
9	15780.00	52.8 PK	74.0	-21.2	2.02 V	219	38.7	14.1
10	15780.00	40.7 AV	54.0	-13.3	2.02 V	219	26.6	14.1
11	21040.00	-	-	-	-	-	-	-
12	#26300.00	-	-	-	-	-	-	-
13	31560.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

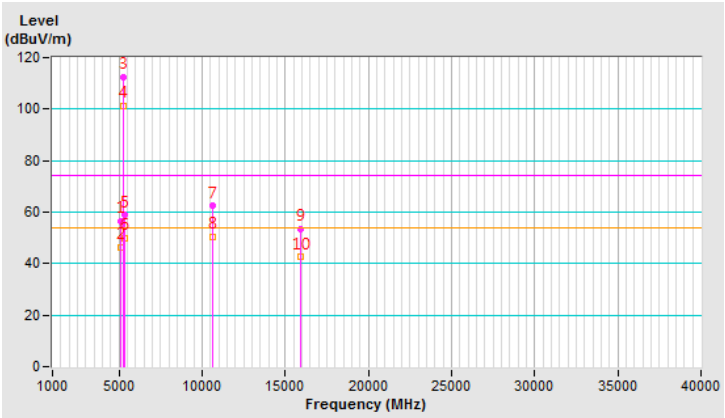


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 60：5300 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5077.00	56.3 PK	74.0	-17.7	1.06 H	195	52.4	3.9
2	5077.00	46.5 AV	54.0	-7.5	1.06 H	195	42.6	3.9
3	*5300.00	112.3 PK			1.06 H	195	108.0	4.3
4	*5300.00	101.4 AV			1.06 H	195	97.1	4.3
5	5378.00	58.8 PK	74.0	-15.2	1.06 H	195	54.4	4.4
6	5378.00	49.8 AV	54.0	-4.2	1.06 H	195	45.4	4.4
7	10600.00	62.3 PK	74.0	-11.7	1.25 H	360	48.5	13.8
8	10600.00	50.3 AV	54.0	-3.7	1.25 H	360	36.5	13.8
9	15900.00	53.4 PK	74.0	-20.6	1.46 H	194	40.2	13.2
10	15900.00	42.5 AV	54.0	-11.5	1.46 H	194	29.3	13.2
11	21200.00	-	-	-	-	-	-	-
12	#26500.00	-	-	-	-	-	-	-
13	31800.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

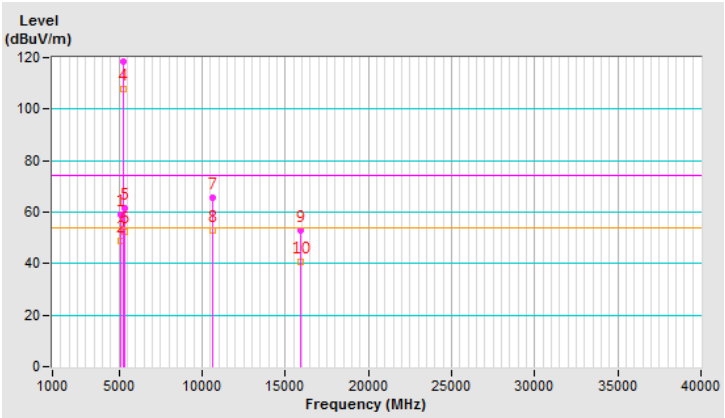


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 60：5300 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5077.00	59.2 PK	74.0	-14.8	1.79 V	184	55.3	3.9
2	5077.00	49.0 AV	54.0	-5.0	1.79 V	184	45.1	3.9
3	*5300.00	118.3 PK			1.79 V	184	114.0	4.3
4	*5300.00	108.0 AV			1.79 V	184	103.7	4.3
5	5378.00	61.7 PK	74.0	-12.3	1.79 V	184	57.3	4.4
6	5378.00	52.3 AV	54.0	-1.7	1.79 V	184	47.9	4.4
7	10600.00	65.7 PK	74.0	-8.3	2.06 V	47	51.9	13.8
8	10600.00	53.0 AV	54.0	-1.0	2.06 V	47	39.2	13.8
9	15900.00	53.0 PK	74.0	-21.0	2.04 V	207	39.8	13.2
10	15900.00	40.6 AV	54.0	-13.4	2.04 V	207	27.4	13.2
11	21200.00	-	-	-	-	-	-	-
12	#26500.00	-	-	-	-	-	-	-
13	31800.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

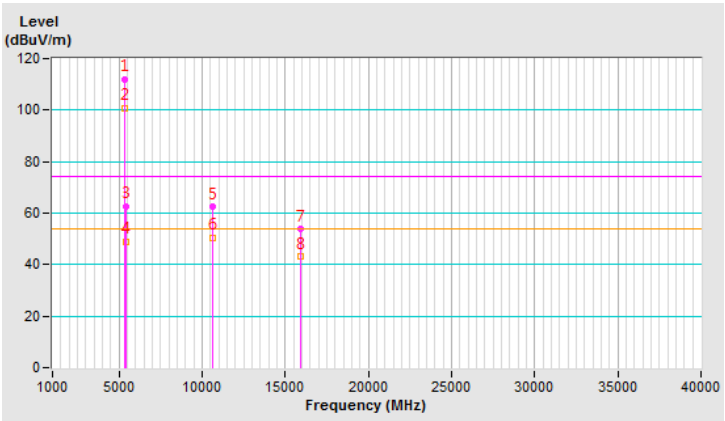


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 64：5320 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	111.8 PK			1.02 H	198	107.5	4.3
2	*5320.00	100.9 AV			1.02 H	198	96.6	4.3
3	5395.00	62.7 PK	74.0	-11.3	1.02 H	198	58.3	4.4
4	5395.00	48.8 AV	54.0	-5.2	1.02 H	198	44.4	4.4
5	10640.00	62.3 PK	74.0	-11.7	1.23 H	345	48.3	14.0
6	10640.00	50.3 AV	54.0	-3.7	1.23 H	345	36.3	14.0
7	15960.00	53.7 PK	74.0	-20.3	1.44 H	214	40.2	13.5
8	15960.00	43.0 AV	54.0	-11.0	1.44 H	214	29.5	13.5
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

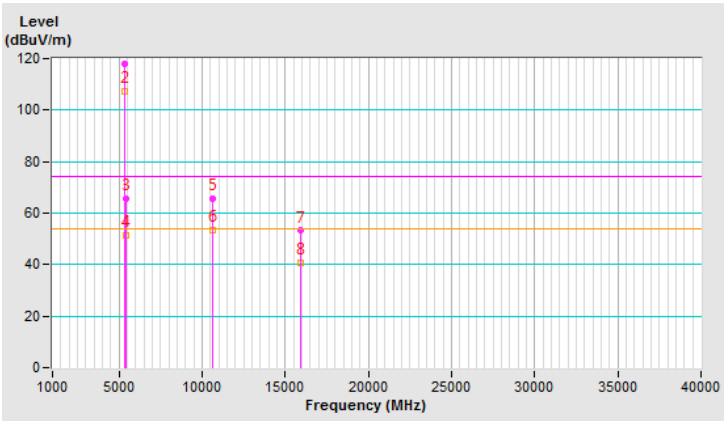


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 64：5320 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5320.00	117.8 PK			1.76 V	173	113.5	4.3
2	*5320.00	107.5 AV			1.76 V	173	103.2	4.3
3	5395.00	65.6 PK	74.0	-8.4	1.76 V	173	61.2	4.4
4	5395.00	51.3 AV	54.0	-2.7	1.76 V	173	46.9	4.4
5	10640.00	65.8 PK	74.0	-8.2	2.05 V	39	51.8	14.0
6	10640.00	53.3 AV	54.0	-0.7	2.05 V	39	39.3	14.0
7	15960.00	53.2 PK	74.0	-20.8	2.00 V	208	39.7	13.5
8	15960.00	40.7 AV	54.0	-13.3	2.00 V	208	27.2	13.5
9	21280.00	-	-	-	-	-	-	-
10	#26600.00	-	-	-	-	-	-	-
11	#31920.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

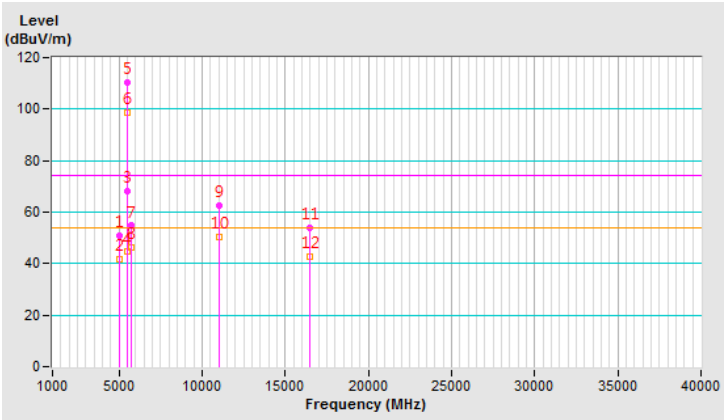


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 100：5500 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5041.00	50.7 PK	74.0	-23.3	1.12 H	209	46.8	3.9
2	5041.00	41.8 AV	54.0	-12.2	1.12 H	209	37.9	3.9
3	#5470.00	68.3 PK	74.0	-5.7	1.12 H	209	63.8	4.5
4	#5470.00	44.5 AV	54.0	-9.5	1.12 H	209	40.0	4.5
5	*5500.00	110.3 PK			1.12 H	209	105.8	4.5
6	*5500.00	98.7 AV			1.12 H	209	94.2	4.5
7	#5729.00	54.7 PK	74.0	-19.3	1.12 H	209	49.8	4.9
8	#5729.00	46.3 AV	54.0	-7.7	1.12 H	209	41.4	4.9
9	11000.00	62.7 PK	74.0	-11.3	1.28 H	355	47.9	14.8
10	11000.00	50.4 AV	54.0	-3.6	1.28 H	355	35.6	14.8
11	#16500.00	54.0 PK	74.0	-20.0	1.41 H	217	38.4	15.6
12	#16500.00	42.9 AV	54.0	-11.1	1.41 H	217	27.3	15.6
13	#22000.00	-	-	-	-	-	-	-
14	#27500.00	-	-	-	-	-	-	-
15	#33000.00	-	-	-	-	-	-	-
16	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

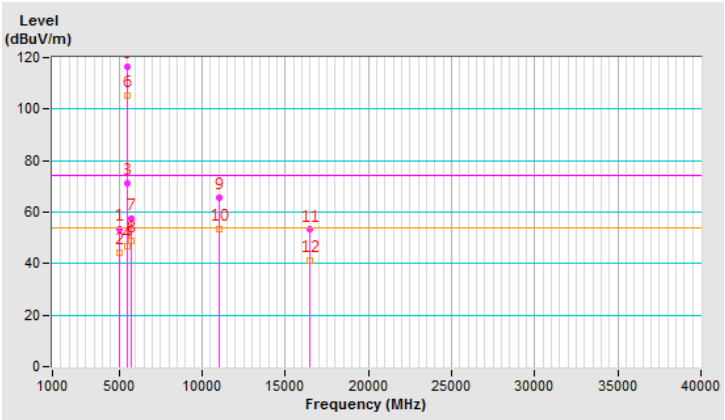


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 100：5500 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5041.00	53.6 PK	74.0	-20.4	1.65 V	180	49.7	3.9
2	5041.00	44.3 AV	54.0	-9.7	1.65 V	180	40.4	3.9
3	#5470.00	71.2 PK	74.0	-2.8	1.67 V	185	66.7	4.5
4	#5470.00	47.0 AV	54.0	-7.0	1.67 V	185	42.5	4.5
5	*5500.00	116.3 PK			1.67 V	185	111.8	4.5
6	*5500.00	105.3 AV			1.67 V	185	100.8	4.5
7	#5729.00	57.6 PK	74.0	-16.4	1.67 V	185	52.7	4.9
8	#5729.00	48.8 AV	54.0	-5.2	1.67 V	185	43.9	4.9
9	11000.00	65.7 PK	74.0	-8.3	2.13 V	37	50.9	14.8
10	11000.00	53.3 AV	54.0	-0.7	2.13 V	37	38.5	14.8
11	#16500.00	53.2 PK	74.0	-20.8	2.04 V	222	37.6	15.6
12	#16500.00	41.1 AV	54.0	-12.9	2.04 V	222	25.5	15.6
13	#22000.00	-	-	-	-	-	-	-
14	#27500.00	-	-	-	-	-	-	-
15	#33000.00	-	-	-	-	-	-	-
16	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

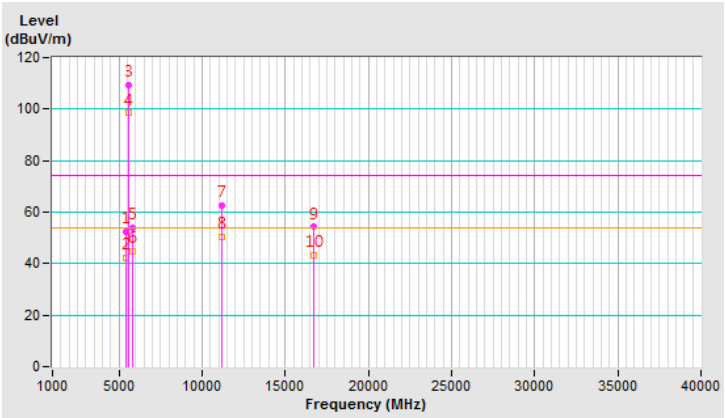


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 116：5580 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.00	52.5 PK	74.0	-21.5	1.09 H	194	48.0	4.5
2	5418.00	42.4 AV	54.0	-11.6	1.09 H	194	37.9	4.5
3	*5580.00	109.3 PK			1.09 H	194	104.7	4.6
4	*5580.00	98.4 AV			1.09 H	194	93.8	4.6
5	#5818.00	53.9 PK	74.0	-20.1	1.09 H	194	48.7	5.2
6	#5818.00	45.0 AV	54.0	-9.0	1.09 H	194	39.8	5.2
7	11160.00	62.7 PK	74.0	-11.3	1.30 H	360	48.3	14.4
8	11160.00	50.5 AV	54.0	-3.5	1.30 H	360	36.1	14.4
9	#16740.00	54.2 PK	74.0	-19.8	1.48 H	206	37.7	16.5
10	#16740.00	43.1 AV	54.0	-10.9	1.48 H	206	26.6	16.5
11	22320.00	-	-	-	-	-	-	-
12	#27900.00	-	-	-	-	-	-	-
13	#33480.00	-	-	-	-	-	-	-
14	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

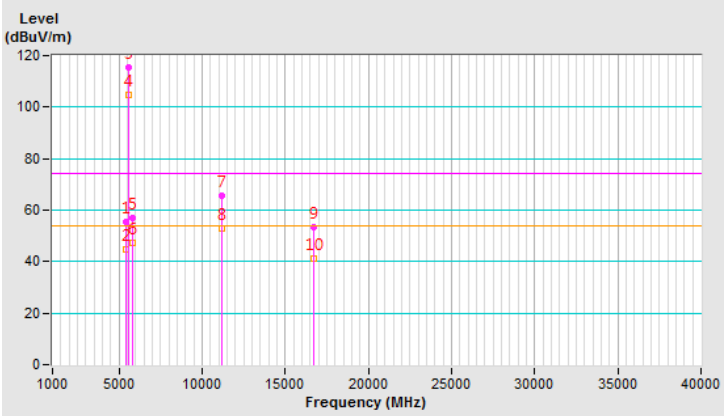


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 116：5580 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5418.00	55.4 PK	74.0	-18.6	1.68 V	188	50.9	4.5
2	5418.00	44.9 AV	54.0	-9.1	1.68 V	188	40.4	4.5
3	*5580.00	115.3 PK			1.68 V	188	110.7	4.6
4	*5580.00	105.0 AV			1.68 V	188	100.4	4.6
5	#5818.00	56.8 PK	74.0	-17.2	1.68 V	188	51.6	5.2
6	#5818.00	47.5 AV	54.0	-6.5	1.68 V	188	42.3	5.2
7	11160.00	65.5 PK	74.0	-8.5	2.08 V	34	51.1	14.4
8	11160.00	52.8 AV	54.0	-1.2	2.08 V	34	38.4	14.4
9	#16740.00	53.4 PK	74.0	-20.6	1.98 V	202	36.9	16.5
10	#16740.00	41.2 AV	54.0	-12.8	1.98 V	202	24.7	16.5
11	22320.00	-	-	-	-	-	-	-
12	#27900.00	-	-	-	-	-	-	-
13	#33480.00	-	-	-	-	-	-	-
14	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

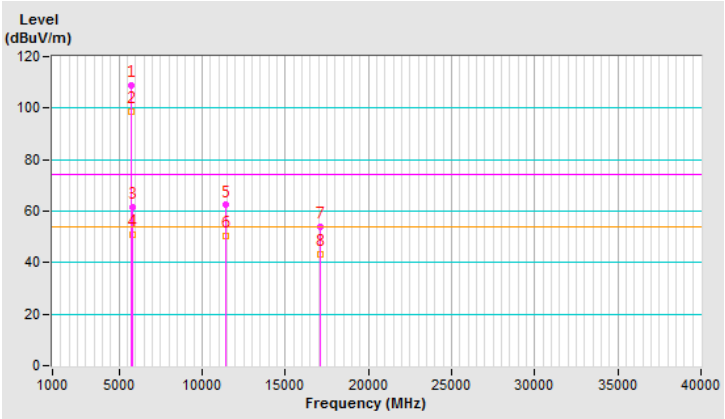


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 140：5700 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	108.9 PK			1.11 H	200	104.1	4.8
2	*5700.00	98.8 AV			1.11 H	200	94.0	4.8
3	#5778.00	61.5 PK	74.0	-12.5	1.11 H	200	56.5	5.0
4	#5778.00	51.1 AV	54.0	-2.9	1.11 H	200	46.1	5.0
5	11400.00	62.3 PK	74.0	-11.7	1.24 H	342	47.9	14.4
6	11400.00	50.4 AV	54.0	-3.6	1.24 H	342	36.0	14.4
7	#17100.00	54.0 PK	74.0	-20.0	1.48 H	200	35.5	18.5
8	#17100.00	43.1 AV	54.0	-10.9	1.48 H	200	24.6	18.5
9	22800.00	-	-	-	-	-	-	-
10	#28500.00	-	-	-	-	-	-	-
11	#34200.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

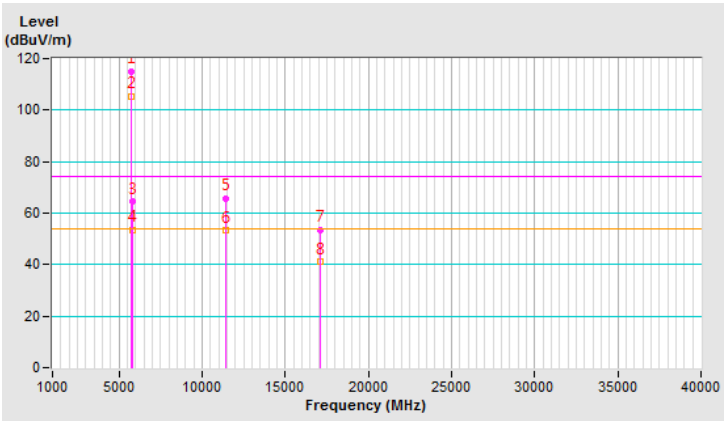


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 140：5700 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5700.00	114.9 PK			1.67 V	188	110.1	4.8
2	*5700.00	105.4 AV			1.67 V	188	100.6	4.8
3	#5778.00	64.4 PK	74.0	-9.6	1.67 V	188	59.4	5.0
4	#5778.00	53.6 AV	54.0	-0.4	1.67 V	188	48.6	5.0
5	11400.00	65.6 PK	74.0	-8.4	2.15 V	31	51.2	14.4
6	11400.00	53.2 AV	54.0	-0.8	2.15 V	31	38.8	14.4
7	#17100.00	53.5 PK	74.0	-20.5	2.07 V	206	35.0	18.5
8	#17100.00	41.0 AV	54.0	-13.0	2.07 V	206	22.5	18.5
9	22800.00	-	-	-	-	-	-	-
10	#28500.00	-	-	-	-	-	-	-
11	#34200.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

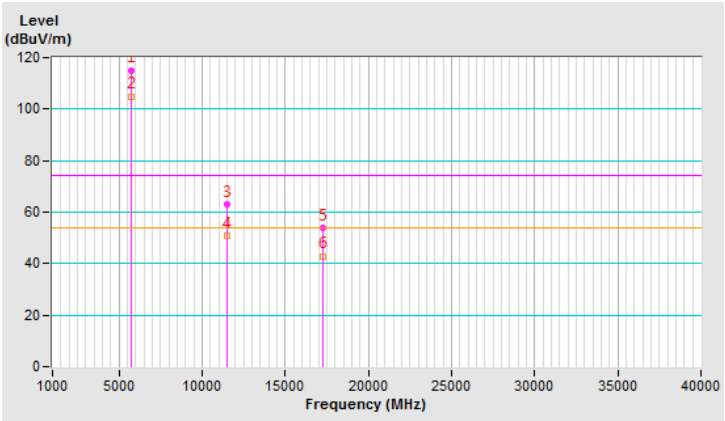


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	114.9 PK			1.07 H	188	109.9	5.0
2	*5745.00	105.0 AV			1.07 H	188	100.0	5.0
3	11490.00	62.8 PK	74.0	-11.2	1.27 H	356	48.7	14.1
4	11490.00	50.6 AV	54.0	-3.4	1.27 H	356	36.5	14.1
5	#17235.00	53.7 PK	74.0	-20.3	1.43 H	204	35.4	18.3
6	#17235.00	42.8 AV	54.0	-11.2	1.43 H	204	24.5	18.3
7	22980.00	-	-	-	-	-	-	-
8	#28725.00	-	-	-	-	-	-	-
9	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

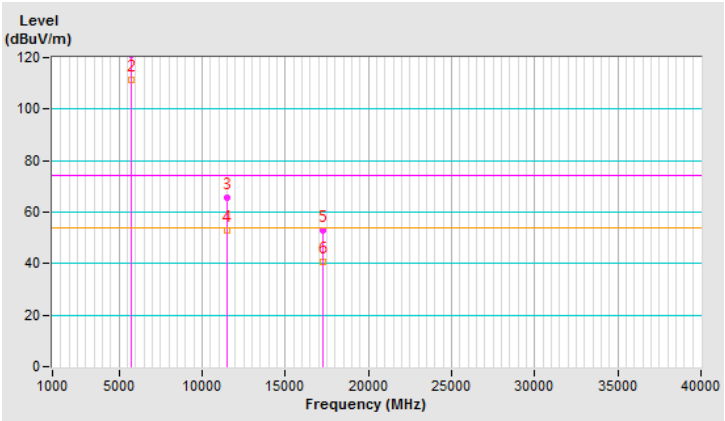


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5745.00	120.9 PK			1.53 V	140	115.9	5.0
2	*5745.00	111.6 AV			1.53 V	140	106.6	5.0
3	11490.00	65.7 PK	74.0	-8.3	2.09 V	31	51.6	14.1
4	11490.00	53.1 AV	54.0	-0.9	2.09 V	31	39.0	14.1
5	#17235.00	53.1 PK	74.0	-20.9	2.01 V	214	34.8	18.3
6	#17235.00	40.8 AV	54.0	-13.2	2.01 V	214	22.5	18.3
7	22980.00	-	-	-	-	-	-	-
8	#28725.00	-	-	-	-	-	-	-
9	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

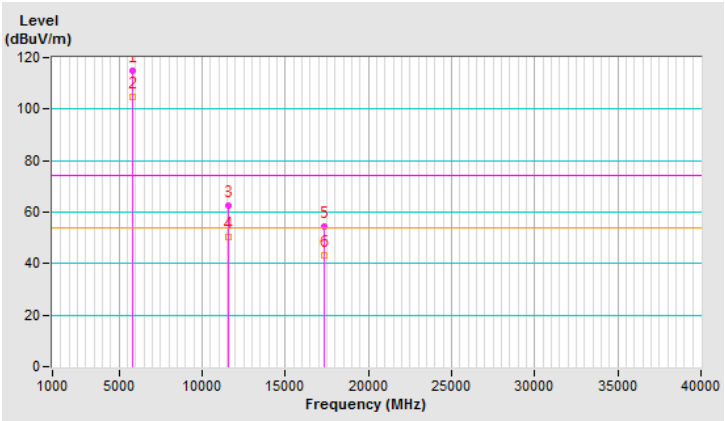


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	114.9 PK			1.12 H	173	109.9	5.0
2	*5785.00	104.8 AV			1.12 H	173	99.8	5.0
3	11570.00	62.4 PK	74.0	-11.6	1.25 H	353	48.4	14.0
4	11570.00	50.3 AV	54.0	-3.7	1.25 H	353	36.3	14.0
5	#17355.00	54.3 PK	74.0	-19.7	1.41 H	207	35.4	18.9
6	#17355.00	43.2 AV	54.0	-10.8	1.41 H	207	24.3	18.9
7	#23140.00	-	-	-	-	-	-	-
8	#28925.00	-	-	-	-	-	-	-
9	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

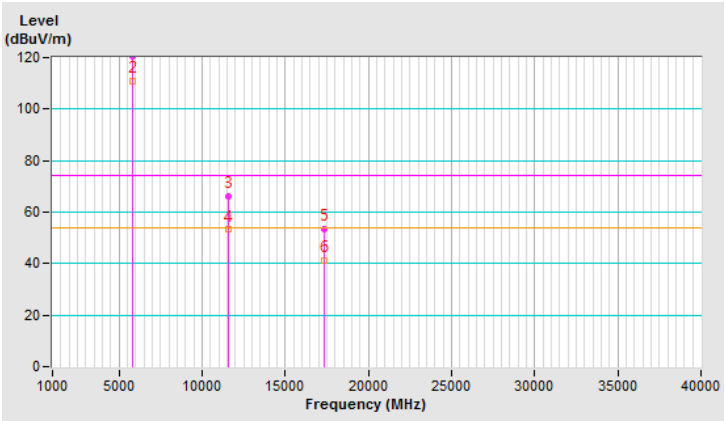


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5785.00	120.4 PK			1.50 V	142	115.4	5.0
2	*5785.00	111.1 AV			1.50 V	142	106.1	5.0
3	11570.00	66.2 PK	74.0	-7.8	2.07 V	39	52.2	14.0
4	11570.00	53.2 AV	54.0	-0.8	2.07 V	39	39.2	14.0
5	#17355.00	53.6 PK	74.0	-20.4	2.06 V	217	34.7	18.9
6	#17355.00	41.1 AV	54.0	-12.9	2.06 V	217	22.2	18.9
7	#23140.00	-	-	-	-	-	-	-
8	#28925.00	-	-	-	-	-	-	-
9	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

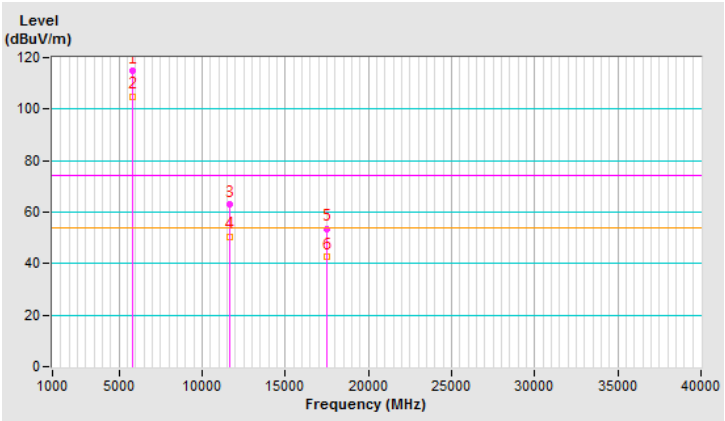


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	114.7 PK			1.04 H	186	109.5	5.2
2	*5825.00	104.9 AV			1.04 H	186	99.7	5.2
3	11650.00	62.8 PK	74.0	-11.2	1.26 H	351	48.7	14.1
4	11650.00	50.5 AV	54.0	-3.5	1.26 H	351	36.4	14.1
5	#17475.00	53.5 PK	74.0	-20.5	1.48 H	200	33.8	19.7
6	#17475.00	42.5 AV	54.0	-11.5	1.48 H	200	22.8	19.7
7	#23300.00	-	-	-	-	-	-	-
8	#29125.00	-	-	-	-	-	-	-
9	#34950.00	-	-	-	-	-	-	-

REMARKS:

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

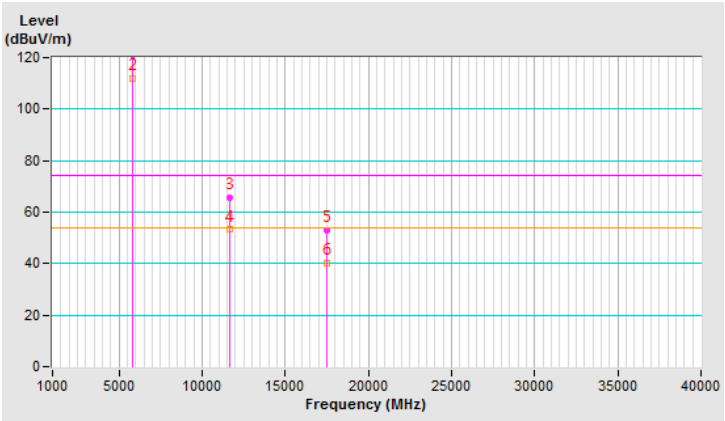


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5825.00	121.1 PK			1.54 V	125	115.9	5.2
2	*5825.00	112.0 AV			1.54 V	125	106.8	5.2
3	11650.00	65.8 PK	74.0	-8.2	2.11 V	27	51.7	14.1
4	11650.00	53.2 AV	54.0	-0.8	2.11 V	27	39.1	14.1
5	#17475.00	52.8 PK	74.0	-21.2	2.07 V	221	33.1	19.7
6	#17475.00	40.4 AV	54.0	-13.6	2.07 V	221	20.7	19.7
7	#23300.00	-	-	-	-	-	-	-
8	#29125.00	-	-	-	-	-	-	-
9	#34950.00	-	-	-	-	-	-	-

REMARKS:

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



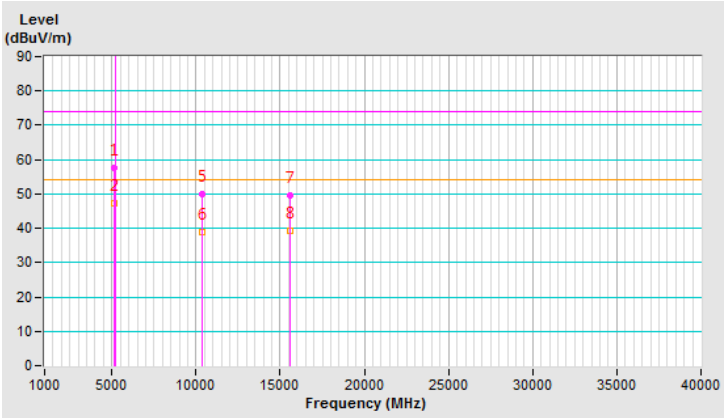
802.11ac (VHT40)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 38：5190 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量 測 場 地 溫 度 ：	22℃	量 測 場 地 濕 度 ：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	57.5 PK	74.0	-16.5	2.77 H	46	56.0	1.5
2	5150.00	47.3 AV	54.0	-6.7	2.77 H	46	45.8	1.5
3	*5190.00	108.4 PK			2.77 H	46	106.7	1.7
4	*5190.00	97.0 AV			2.77 H	46	95.3	1.7
5	#10380.00	50.0 PK	74.0	-24.0	1.65 H	184	38.5	11.5
6	#10380.00	38.9 AV	54.0	-15.1	1.65 H	184	27.4	11.5
7	15570.00	49.6 PK	74.0	-24.4	2.26 H	300	36.5	13.1
8	15570.00	39.3 AV	54.0	-14.7	2.26 H	300	26.2	13.1
9	20760.00	-	-	-	-	-	-	-
10	#25950.00	-	-	-	-	-	-	-
11	#31140.00	-	-	-	-	-	-	-
12	#36330.00	-	-	-	-	-	-	-

REMARKS:

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

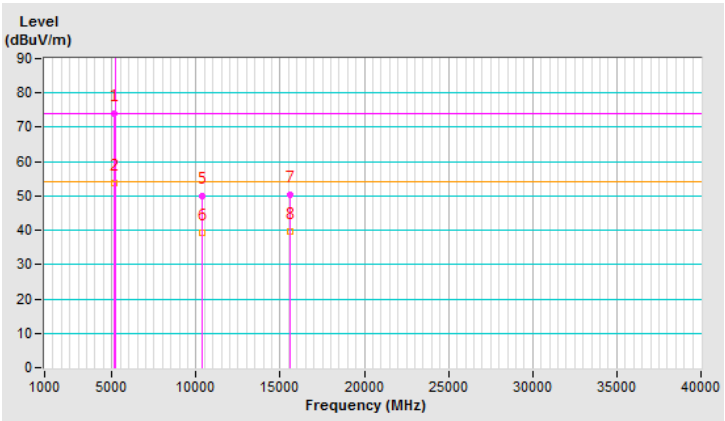


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 38：5190 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	73.8 PK	74.0	-0.2	1.77 V	174	72.3	1.5
2	5150.00	53.9 AV	54.0	-0.1	1.77 V	174	52.4	1.5
3	*5190.00	113.6 PK			1.77 V	174	111.9	1.7
4	*5190.00	102.1 AV			1.77 V	174	100.4	1.7
5	#10380.00	50.1 PK	74.0	-23.9	2.35 V	204	38.6	11.5
6	#10380.00	39.3 AV	54.0	-14.7	2.35 V	204	27.8	11.5
7	15570.00	50.3 PK	74.0	-23.7	1.09 V	157	37.2	13.1
8	15570.00	39.6 AV	54.0	-14.4	1.09 V	157	26.5	13.1
9	20760.00	-	-	-	-	-	-	-
10	#25950.00	-	-	-	-	-	-	-
11	#31140.00	-	-	-	-	-	-	-
12	#36330.00	-	-	-	-	-	-	-

REMARKS:

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

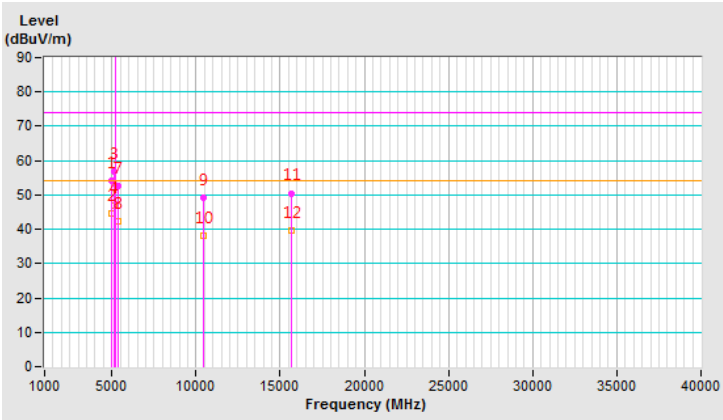


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 46：5230 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5000.00	54.3 PK	74.0	-19.7	2.80 H	49	53.1	1.2
2	5000.00	44.5 AV	54.0	-9.5	2.80 H	49	43.3	1.2
3	5147.00	56.7 PK	74.0	-17.3	2.80 H	49	55.2	1.5
4	5147.00	46.8 AV	54.0	-7.2	2.80 H	49	45.3	1.5
5	*5230.00	112.5 PK			2.80 H	49	110.9	1.6
6	*5230.00	101.6 AV			2.80 H	49	100.0	1.6
7	5396.00	52.6 PK	74.0	-21.4	2.80 H	49	50.5	2.1
8	5396.00	42.4 AV	54.0	-11.6	2.80 H	49	40.3	2.1
9	#10460.00	49.1 PK	74.0	-24.9	1.65 H	200	37.2	11.9
10	#10460.00	38.2 AV	54.0	-15.8	1.65 H	200	26.3	11.9
11	15690.00	50.5 PK	74.0	-23.5	2.24 H	299	37.2	13.3
12	15690.00	39.8 AV	54.0	-14.2	2.24 H	299	26.5	13.3
13	20920.00	-	-	-	-	-	-	-
14	#26150.00	-	-	-	-	-	-	-
15	31380.00	-	-	-	-	-	-	-
16	#36610.00	-	-	-	-	-	-	-

REMARKS:

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

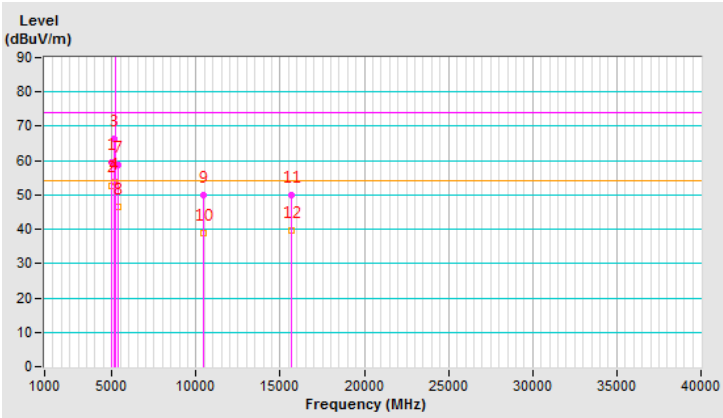


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 46：5230 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5000.00	59.5 PK	74.0	-14.5	1.76 V	191	58.3	1.2
2	5000.00	52.8 AV	54.0	-1.2	1.76 V	191	51.6	1.2
3	5147.00	66.2 PK	74.0	-7.8	1.74 V	174	64.7	1.5
4	5147.00	53.9 AV	54.0	-0.1	1.74 V	174	52.4	1.5
5	*5230.00	117.9 PK			1.75 V	173	116.3	1.6
6	*5230.00	106.8 AV			1.75 V	173	105.2	1.6
7	5396.00	58.8 PK	74.0	-15.2	1.76 V	191	56.7	2.1
8	5396.00	46.6 AV	54.0	-7.4	1.76 V	191	44.5	2.1
9	#10460.00	50.0 PK	74.0	-24.0	2.36 V	198	38.1	11.9
10	#10460.00	38.9 AV	54.0	-15.1	2.36 V	198	27.0	11.9
11	15690.00	50.1 PK	74.0	-23.9	1.11 V	160	36.8	13.3
12	15690.00	39.5 AV	54.0	-14.5	1.11 V	160	26.2	13.3
13	20920.00	-	-	-	-	-	-	-
14	#26150.00	-	-	-	-	-	-	-
15	31380.00	-	-	-	-	-	-	-
16	#36610.00	-	-	-	-	-	-	-

REMARKS:

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

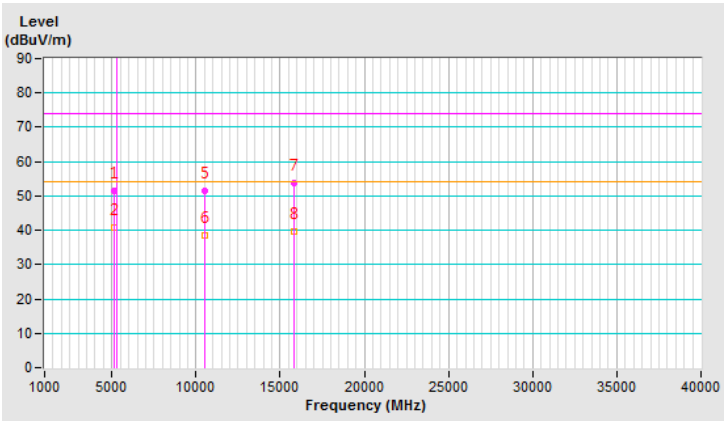


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 54：5270 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	51.4 PK	74.0	-22.6	2.89 H	143	49.9	1.5
2	5150.00	40.8 AV	54.0	-13.2	2.89 H	143	39.3	1.5
3	*5270.00	106.4 PK			2.89 H	143	104.6	1.8
4	*5270.00	95.8 AV			2.89 H	143	94.0	1.8
5	#10540.00	51.5 PK	74.0	-22.5	1.42 H	302	39.2	12.3
6	#10540.00	38.5 AV	54.0	-15.5	1.42 H	302	26.2	12.3
7	15810.00	53.8 PK	74.0	-20.2	2.12 H	102	40.8	13.0
8	15810.00	39.8 AV	54.0	-14.2	2.12 H	102	26.8	13.0
9	21080.00	-	-	-	-	-	-	-
10	#26350.00	-	-	-	-	-	-	-
11	31620.00	-	-	-	-	-	-	-
12	#36890.00	-	-	-	-	-	-	-

REMARKS:

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

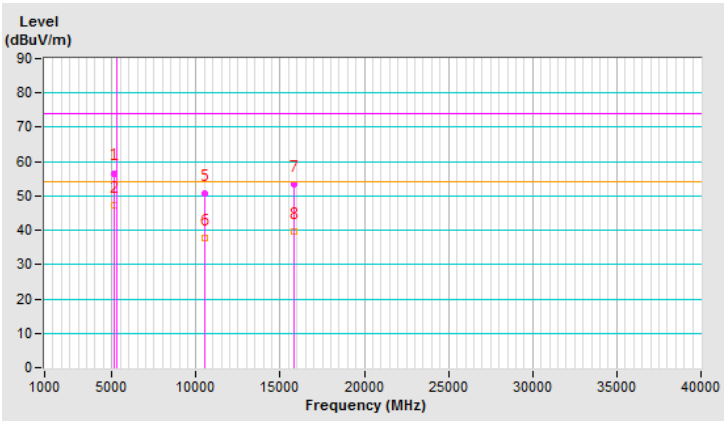


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 54：5270 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	56.6 PK	74.0	-17.4	1.88 V	169	55.1	1.5
2	5150.00	47.2 AV	54.0	-6.8	1.88 V	169	45.7	1.5
3	*5270.00	113.8 PK			1.88 V	169	112.0	1.8
4	*5270.00	102.7 AV			1.88 V	169	100.9	1.8
5	#10540.00	50.6 PK	74.0	-23.4	2.29 V	249	38.3	12.3
6	#10540.00	37.8 AV	54.0	-16.2	2.29 V	249	25.5	12.3
7	15810.00	53.4 PK	74.0	-20.6	1.00 V	172	40.4	13.0
8	15810.00	39.8 AV	54.0	-14.2	1.00 V	172	26.8	13.0
9	21080.00	-	-	-	-	-	-	-
10	#26350.00	-	-	-	-	-	-	-
11	31620.00	-	-	-	-	-	-	-
12	#36890.00	-	-	-	-	-	-	-

REMARKS:

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

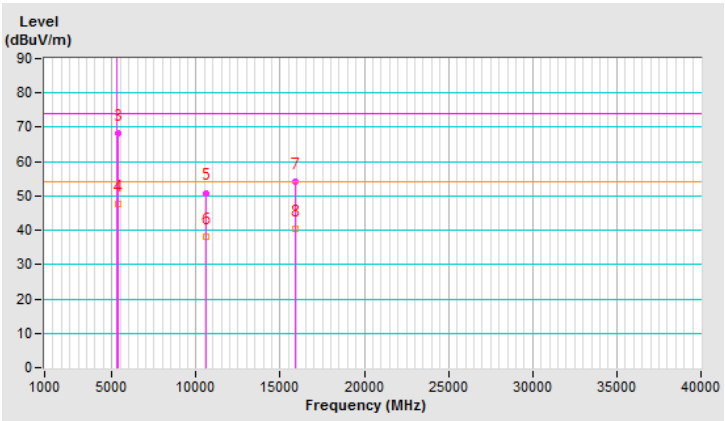


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 62：5310 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	105.9 PK			2.85 H	157	104.1	1.8
2	*5310.00	95.1 AV			2.85 H	157	93.3	1.8
3	5350.00	68.2 PK	74.0	-5.8	2.85 H	157	66.3	1.9
4	5350.00	47.7 AV	54.0	-6.3	2.85 H	157	45.8	1.9
5	10620.00	50.9 PK	74.0	-23.1	1.44 H	290	38.4	12.5
6	10620.00	38.1 AV	54.0	-15.9	1.44 H	290	25.6	12.5
7	15930.00	54.0 PK	74.0	-20.0	2.13 H	109	41.0	13.0
8	15930.00	40.4 AV	54.0	-13.6	2.13 H	109	27.4	13.0
9	21240.00	-	-	-	-	-	-	-
10	#26550.00	-	-	-	-	-	-	-
11	#31860.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

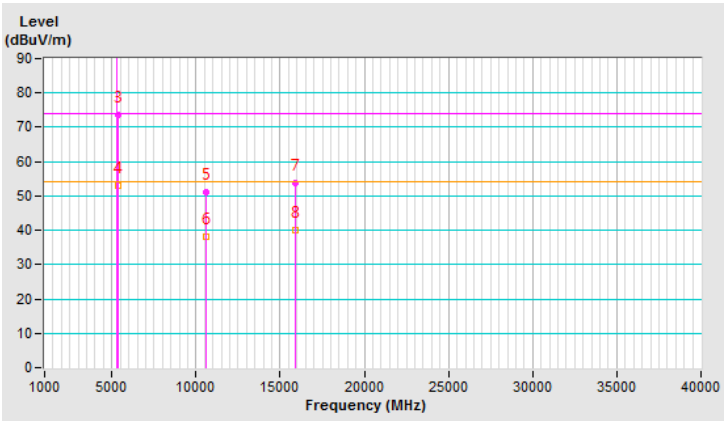


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 62：5310 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5310.00	113.3 PK			1.94 V	176	111.5	1.8
2	*5310.00	102.2 AV			1.94 V	176	100.4	1.8
3	5350.00	73.7 PK	74.0	-0.3	1.94 V	176	71.8	1.9
4	5350.00	53.1 AV	54.0	-0.9	1.94 V	176	51.2	1.9
5	10620.00	51.0 PK	74.0	-23.0	2.34 V	261	38.5	12.5
6	10620.00	38.2 AV	54.0	-15.8	2.34 V	261	25.7	12.5
7	15930.00	53.6 PK	74.0	-20.4	1.00 V	165	40.6	13.0
8	15930.00	40.0 AV	54.0	-14.0	1.00 V	165	27.0	13.0
9	21240.00	-	-	-	-	-	-	-
10	#26550.00	-	-	-	-	-	-	-
11	#31860.00	-	-	-	-	-	-	-
12	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

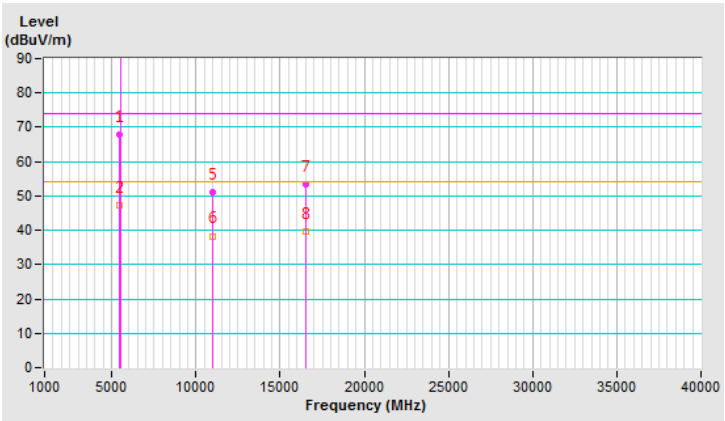


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 102：5510 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	67.9 PK	74.0	-6.1	2.90 H	147	65.8	2.1
2	#5470.00	47.2 AV	54.0	-6.8	2.90 H	147	45.1	2.1
3	*5510.00	104.2 PK			2.90 H	147	102.1	2.1
4	*5510.00	93.1 AV			2.90 H	147	91.0	2.1
5	11020.00	51.1 PK	74.0	-22.9	1.50 H	287	37.9	13.2
6	11020.00	38.3 AV	54.0	-15.7	1.50 H	287	25.1	13.2
7	#16530.00	53.2 PK	74.0	-20.8	2.20 H	111	37.8	15.4
8	#16530.00	39.6 AV	54.0	-14.4	2.20 H	111	24.2	15.4
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

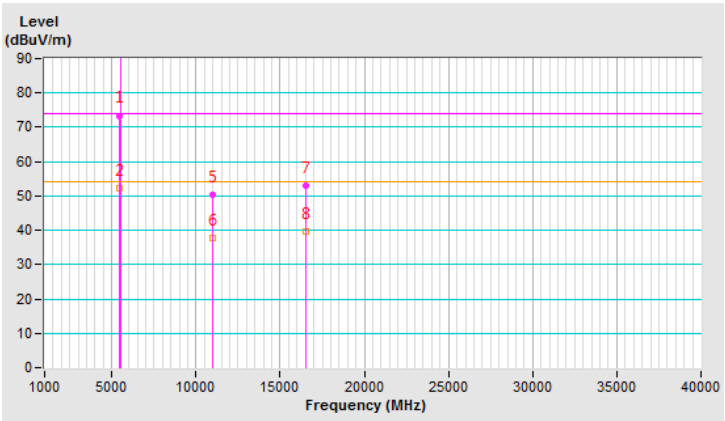


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 102：5510 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5470.00	73.4 PK	74.0	-0.6	2.43 V	357	71.3	2.1
2	#5470.00	52.1 AV	54.0	-1.9	2.43 V	357	50.0	2.1
3	*5510.00	111.4 PK			2.43 V	357	109.3	2.1
4	*5510.00	100.2 AV			2.43 V	357	98.1	2.1
5	11020.00	50.3 PK	74.0	-23.7	2.32 V	262	37.1	13.2
6	11020.00	37.7 AV	54.0	-16.3	2.32 V	262	24.5	13.2
7	#16530.00	53.0 PK	74.0	-21.0	1.00 V	184	37.6	15.4
8	#16530.00	39.5 AV	54.0	-14.5	1.00 V	184	24.1	15.4
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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

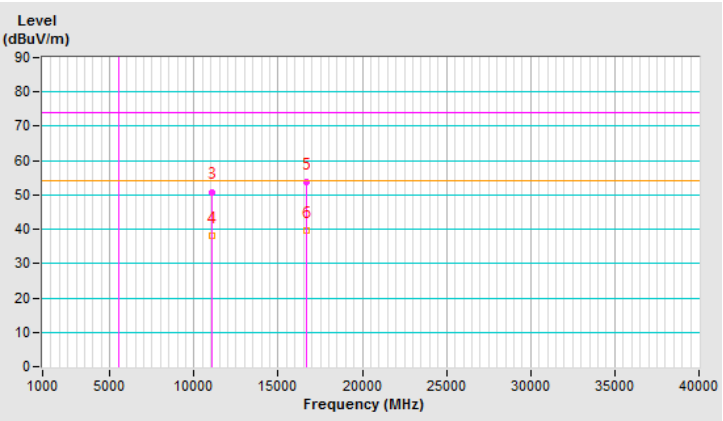


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 110：5550 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	105.3 PK			2.92 H	140	103.0	2.3
2	*5550.00	94.2 AV			2.92 H	140	91.9	2.3
3	11100.00	50.9 PK	74.0	-23.1	1.43 H	314	37.9	13.0
4	11100.00	38.1 AV	54.0	-15.9	1.43 H	314	25.1	13.0
5	#16650.00	53.6 PK	74.0	-20.4	2.18 H	89	37.5	16.1
6	#16650.00	39.6 AV	54.0	-14.4	2.18 H	89	23.5	16.1
7	22200.00	-	-	-	-	-	-	-
8	#27750.00	-	-	-	-	-	-	-
9	#33300.00	-	-	-	-	-	-	-
10	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

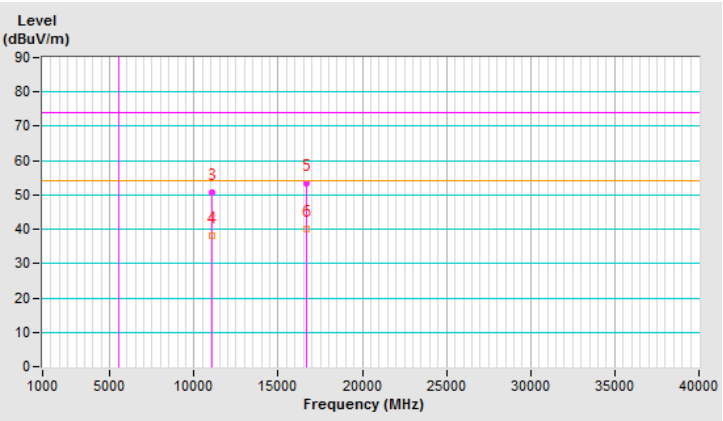


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 110：5550 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5550.00	112.5 PK			2.08 V	357	110.2	2.3
2	*5550.00	101.5 AV			2.08 V	357	99.2	2.3
3	11100.00	50.6 PK	74.0	-23.4	2.33 V	238	37.6	13.0
4	11100.00	38.0 AV	54.0	-16.0	2.33 V	238	25.0	13.0
5	#16650.00	53.4 PK	74.0	-20.6	1.00 V	168	37.3	16.1
6	#16650.00	39.9 AV	54.0	-14.1	1.00 V	168	23.8	16.1
7	22200.00	-	-	-	-	-	-	-
8	#27750.00	-	-	-	-	-	-	-
9	#33300.00	-	-	-	-	-	-	-
10	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

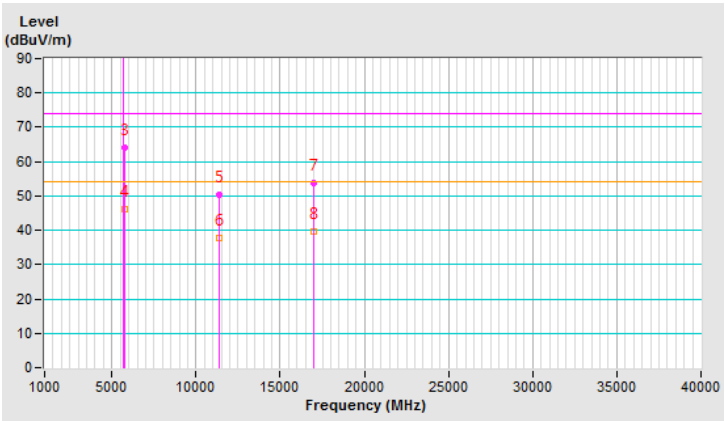


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 134：5670 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	105.2 PK			2.84 H	159	102.7	2.5
2	*5670.00	94.1 AV			2.84 H	159	91.6	2.5
3	#5725.00	64.2 PK	74.0	-9.8	2.84 H	159	61.5	2.7
4	#5725.00	46.1 AV	54.0	-7.9	2.84 H	159	43.4	2.7
5	11340.00	50.3 PK	74.0	-23.7	1.49 H	302	36.7	13.6
6	11340.00	37.7 AV	54.0	-16.3	1.49 H	302	24.1	13.6
7	#17010.00	53.7 PK	74.0	-20.3	2.19 H	106	35.9	17.8
8	#17010.00	39.7 AV	54.0	-14.3	2.19 H	106	21.9	17.8
9	22680.00	-	-	-	-	-	-	-
10	#28350.00	-	-	-	-	-	-	-
11	#34020.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

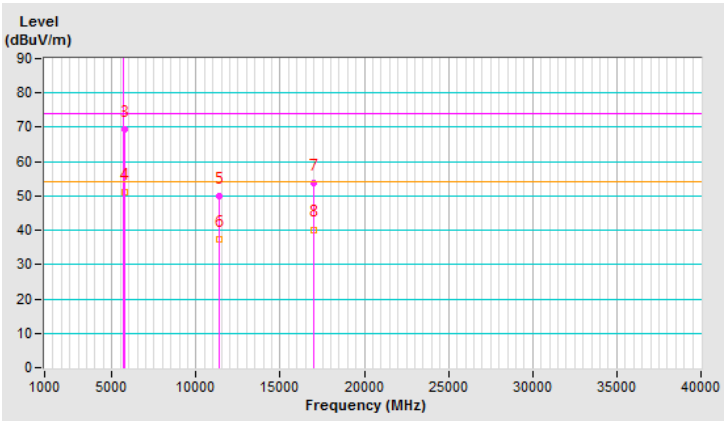


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 134：5670 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5670.00	112.2 PK			2.08 V	356	109.7	2.5
2	*5670.00	101.1 AV			2.08 V	356	98.6	2.5
3	#5725.00	69.5 PK	74.0	-4.5	2.08 V	356	66.8	2.7
4	#5725.00	51.1 AV	54.0	-2.9	2.08 V	356	48.4	2.7
5	11340.00	50.1 PK	74.0	-23.9	2.24 V	236	36.5	13.6
6	11340.00	37.3 AV	54.0	-16.7	2.24 V	236	23.7	13.6
7	#17010.00	53.6 PK	74.0	-20.4	1.00 V	172	35.8	17.8
8	#17010.00	40.2 AV	54.0	-13.8	1.00 V	172	22.4	17.8
9	22680.00	-	-	-	-	-	-	-
10	#28350.00	-	-	-	-	-	-	-
11	#34020.00	-	-	-	-	-	-	-
12	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

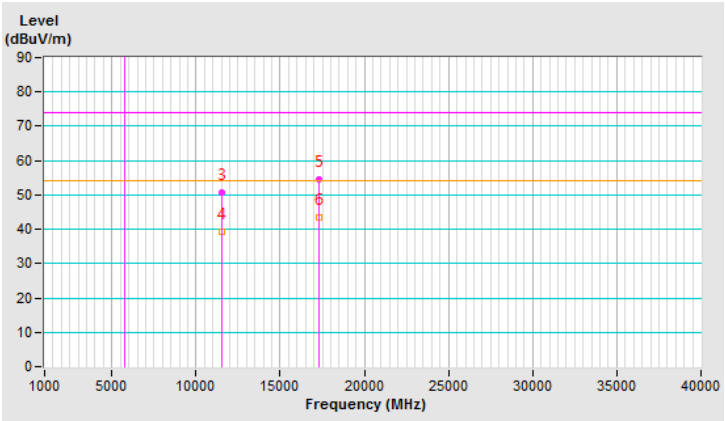


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 151：5755 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5755.00	114.1 PK			1.04 H	168	111.4	2.7
2	*5755.00	102.2 AV			1.04 H	168	99.5	2.7
3	11510.00	50.7 PK	74.0	-23.3	1.44 H	0	37.3	13.4
4	11510.00	39.3 AV	54.0	-14.7	1.44 H	0	25.9	13.4
5	#17265.00	54.6 PK	74.0	-19.4	2.19 H	283	36.3	18.3
6	#17265.00	43.4 AV	54.0	-10.6	2.19 H	283	25.1	18.3
7	23020.00	-	-	-	-	-	-	-
8	#28775.00	-	-	-	-	-	-	-
9	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

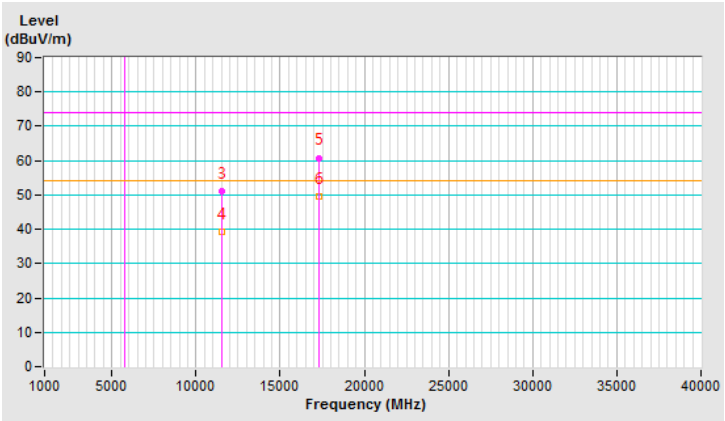


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 151：5755 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5755.00	118.8 PK			1.95 V	5	116.1	2.7
2	*5755.00	107.9 AV			1.95 V	5	105.2	2.7
3	11510.00	51.0 PK	74.0	-23.0	2.12 V	267	37.6	13.4
4	11510.00	39.4 AV	54.0	-14.6	2.12 V	267	26.0	13.4
5	#17265.00	60.8 PK	74.0	-13.2	1.83 V	360	42.5	18.3
6	#17265.00	49.6 AV	54.0	-4.4	1.83 V	360	31.3	18.3
7	23020.00	-	-	-	-	-	-	-
8	#28775.00	-	-	-	-	-	-	-
9	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

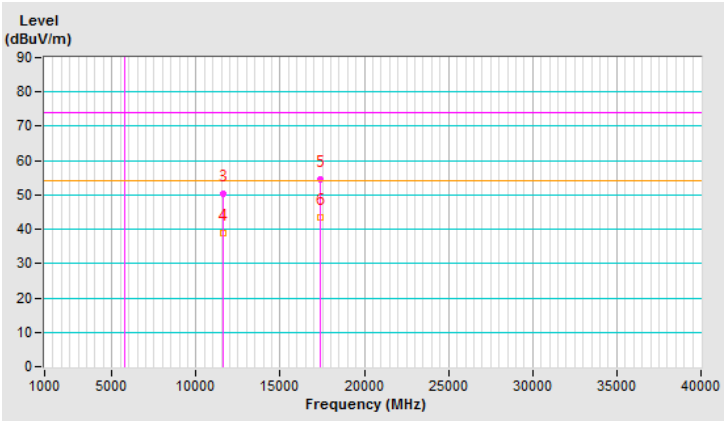


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 159：5795 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	114.8 PK			1.07 H	168	112.1	2.7
2	*5795.00	103.8 AV			1.07 H	168	101.1	2.7
3	11590.00	50.2 PK	74.0	-23.8	1.40 H	8	37.2	13.0
4	11590.00	38.9 AV	54.0	-15.1	1.40 H	8	25.9	13.0
5	#17385.00	54.4 PK	74.0	-19.6	2.21 H	288	35.4	19.0
6	#17385.00	43.4 AV	54.0	-10.6	2.21 H	288	24.4	19.0
7	#23180.00	-	-	-	-	-	-	-
8	#28975.00	-	-	-	-	-	-	-
9	#34770.00	-	-	-	-	-	-	-

REMARKS:

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

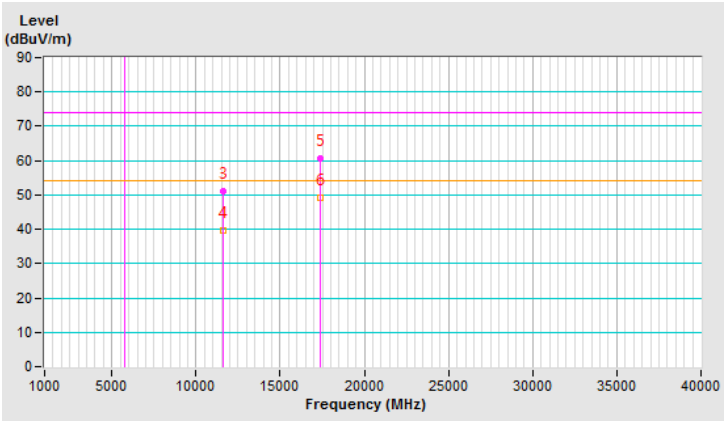


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 159：5795 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5795.00	118.2 PK			1.96 V	5	115.5	2.7
2	*5795.00	108.4 AV			1.96 V	5	105.7	2.7
3	11590.00	51.2 PK	74.0	-22.8	2.20 V	266	38.2	13.0
4	11590.00	39.8 AV	54.0	-14.2	2.20 V	266	26.8	13.0
5	#17385.00	60.7 PK	74.0	-13.3	1.89 V	360	41.7	19.0
6	#17385.00	49.1 AV	54.0	-4.9	1.89 V	360	30.1	19.0
7	#23180.00	-	-	-	-	-	-	-
8	#28975.00	-	-	-	-	-	-	-
9	#34770.00	-	-	-	-	-	-	-

REMARKS:

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



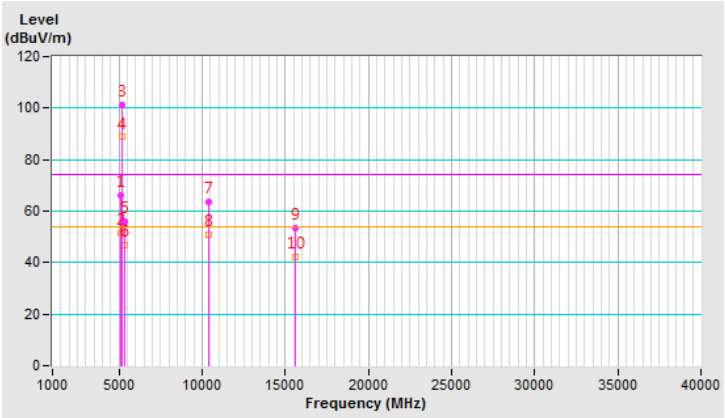
802.11ac (VHT80)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 42：5210 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量 測 場 地 溫 度 ：	22℃	量 測 場 地 濕 度 ：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5143.50	66.1 PK	74.0	-7.9	1.10 H	165	62.1	4.0
2	5143.50	51.2 AV	54.0	-2.8	1.10 H	165	47.2	4.0
3	*5210.00	101.1 PK			1.10 H	165	97.0	4.1
4	*5210.00	88.8 AV			1.10 H	165	84.7	4.1
5	5360.50	55.8 PK	74.0	-18.2	1.10 H	165	51.4	4.4
6	5360.50	46.7 AV	54.0	-7.3	1.10 H	165	42.3	4.4
7	#10420.00	63.4 PK	74.0	-10.6	1.21 H	343	49.8	13.6
8	#10420.00	50.9 AV	54.0	-3.1	1.21 H	343	37.3	13.6
9	15630.00	53.6 PK	74.0	-20.4	1.42 H	194	40.0	13.6
10	15630.00	42.4 AV	54.0	-11.6	1.42 H	194	28.8	13.6
11	20840.00	-	-	-	-	-	-	-
12	#26050.00	-	-	-	-	-	-	-
13	31260.00	-	-	-	-	-	-	-
14	36470.00	-	-	-	-	-	-	-

REMARKS:

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

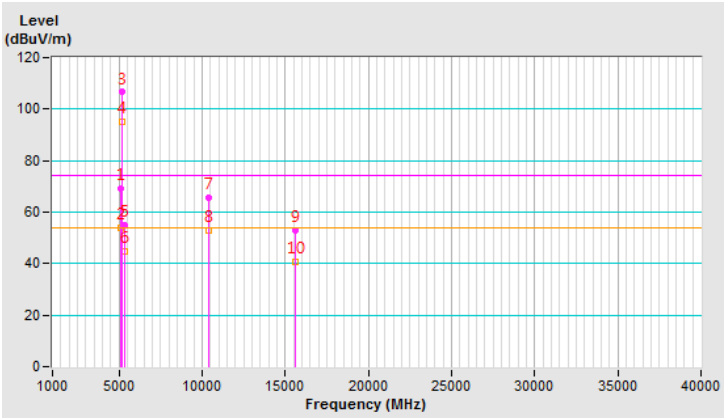


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 42：5210 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5143.50	69.1 PK	74.0	-4.9	1.78 V	141	65.1	4.0
2	5143.50	53.9 AV	54.0	-0.1	1.78 V	141	49.9	4.0
3	*5210.00	106.6 PK			1.78 V	141	102.5	4.1
4	*5210.00	95.3 AV			1.78 V	141	91.2	4.1
5	5360.50	55.1 PK	74.0	-18.9	1.78 V	141	50.7	4.4
6	5360.50	44.6 AV	54.0	-9.4	1.78 V	141	40.2	4.4
7	#10420.00	65.6 PK	74.0	-8.4	2.14 V	23	52.0	13.6
8	#10420.00	52.9 AV	54.0	-1.1	2.14 V	23	39.3	13.6
9	15630.00	53.1 PK	74.0	-20.9	2.03 V	209	39.5	13.6
10	15630.00	40.6 AV	54.0	-13.4	2.03 V	209	27.0	13.6
11	20840.00	-	-	-	-	-	-	-
12	#26050.00	-	-	-	-	-	-	-
13	31260.00	-	-	-	-	-	-	-
14	36470.00	-	-	-	-	-	-	-

REMARKS:

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

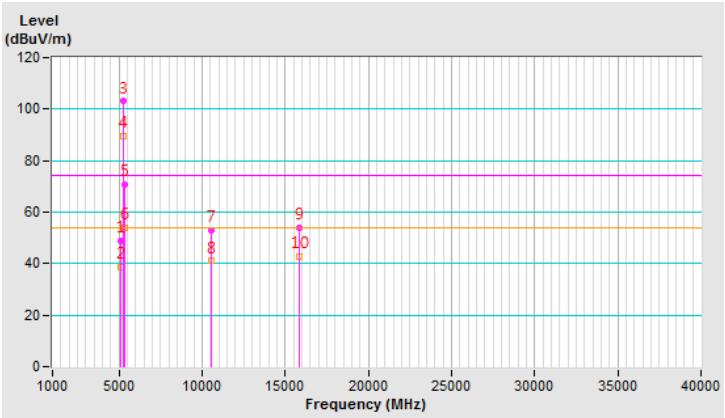


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 58：5290 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5143.60	49.0 PK	74.0	-25.0	1.10 H	177	45.0	4.0
2	5143.60	38.7 AV	54.0	-15.3	1.10 H	177	34.7	4.0
3	*5290.00	103.0 PK			1.10 H	177	98.7	4.3
4	*5290.00	89.5 AV			1.10 H	177	85.2	4.3
5	5351.00	70.8 PK	74.0	-3.2	1.10 H	177	66.4	4.4
6	5351.00	53.8 AV	54.0	-0.2	1.10 H	177	49.4	4.4
7	#10580.00	53.1 PK	74.0	-20.9	1.30 H	350	39.2	13.9
8	#10580.00	41.0 AV	54.0	-13.0	1.30 H	350	27.1	13.9
9	15870.00	54.1 PK	74.0	-19.9	1.49 H	211	40.7	13.4
10	15870.00	42.9 AV	54.0	-11.1	1.49 H	211	29.5	13.4
11	21160.00	-	-	-	-	-	-	-
12	#26450.00	-	-	-	-	-	-	-
13	31740.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

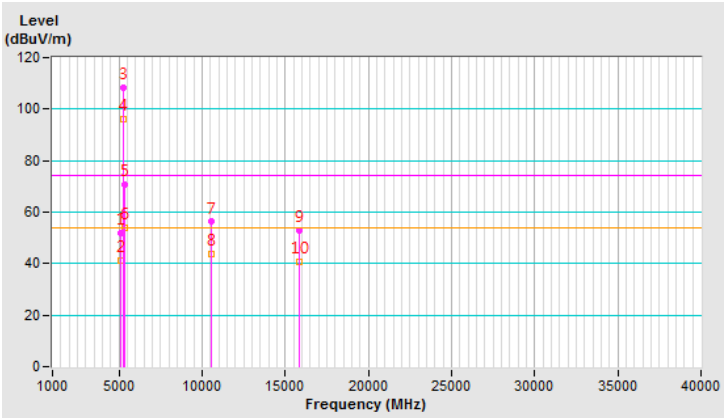


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 58：5290 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5143.60	52.0 PK	74.0	-22.0	1.81 V	137	48.0	4.0
2	5143.60	41.4 AV	54.0	-12.6	1.81 V	137	37.4	4.0
3	*5290.00	108.5 PK			1.81 V	137	104.2	4.3
4	*5290.00	96.0 AV			1.81 V	137	91.7	4.3
5	5351.00	70.9 PK	74.0	-3.1	1.81 V	137	66.5	4.4
6	5351.00	53.9 AV	54.0	-0.1	1.81 V	137	49.5	4.4
7	#10580.00	56.2 PK	74.0	-17.8	2.15 V	42	42.3	13.9
8	#10580.00	43.7 AV	54.0	-10.3	2.15 V	42	29.8	13.9
9	15870.00	52.8 PK	74.0	-21.2	2.01 V	230	39.4	13.4
10	15870.00	40.6 AV	54.0	-13.4	2.01 V	230	27.2	13.4
11	21160.00	-	-	-	-	-	-	-
12	#26450.00	-	-	-	-	-	-	-
13	31740.00	-	-	-	-	-	-	-
14	#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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

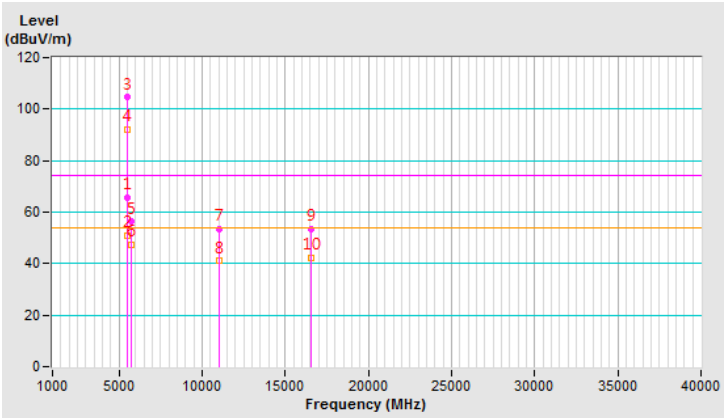


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 106：5530 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5463.00	65.8 PK	74.0	-8.2	1.13 H	177	61.3	4.5
2	#5463.00	51.1 AV	54.0	-2.9	1.13 H	177	46.6	4.5
3	*5530.00	104.5 PK			1.13 H	177	100.0	4.5
4	*5530.00	92.2 AV			1.13 H	177	87.7	4.5
5	#5726.00	56.2 PK	74.0	-17.8	1.13 H	177	51.3	4.9
6	#5726.00	47.3 AV	54.0	-6.7	1.13 H	177	42.4	4.9
7	11060.00	53.5 PK	74.0	-20.5	1.26 H	358	39.0	14.5
8	11060.00	41.0 AV	54.0	-13.0	1.26 H	358	26.5	14.5
9	#16590.00	53.4 PK	74.0	-20.6	1.44 H	205	36.8	16.6
10	#16590.00	42.3 AV	54.0	-11.7	1.44 H	205	25.7	16.6
11	22120.00	-	-	-	-	-	-	-
12	#27650.00	-	-	-	-	-	-	-
13	#33180.00	-	-	-	-	-	-	-
14	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

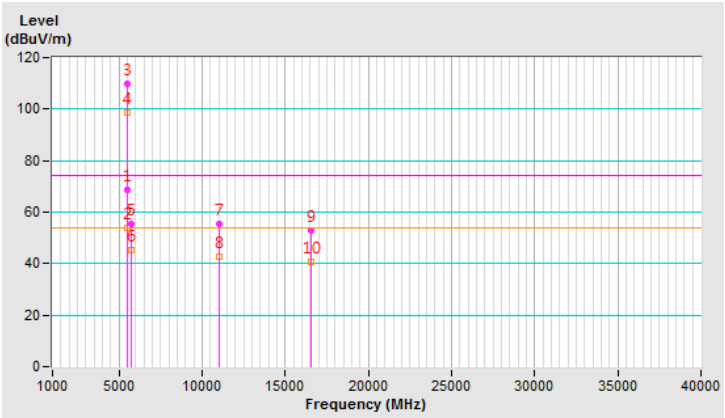


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 106：5530 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5463.00	68.8 PK	74.0	-5.2	3.40 V	152	64.3	4.5
2	#5463.00	53.8 AV	54.0	-0.2	3.40 V	152	49.3	4.5
3	*5530.00	110.0 PK			3.40 V	152	105.5	4.5
4	*5530.00	98.7 AV			3.40 V	152	94.2	4.5
5	#5726.00	55.5 PK	74.0	-18.5	3.40 V	152	50.6	4.9
6	#5726.00	45.2 AV	54.0	-8.8	3.40 V	152	40.3	4.9
7	11060.00	55.6 PK	74.0	-18.4	2.10 V	13	41.1	14.5
8	11060.00	42.9 AV	54.0	-11.1	2.10 V	13	28.4	14.5
9	#16590.00	52.8 PK	74.0	-21.2	2.05 V	225	36.2	16.6
10	#16590.00	40.6 AV	54.0	-13.4	2.05 V	225	24.0	16.6
11	22120.00	-	-	-	-	-	-	-
12	#27650.00	-	-	-	-	-	-	-
13	#33180.00	-	-	-	-	-	-	-
14	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

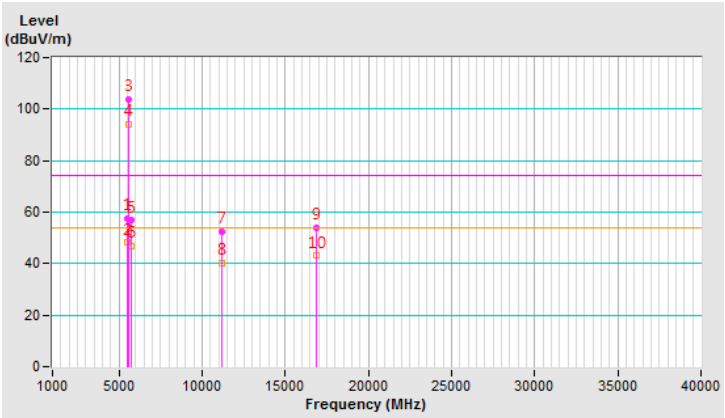


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 122：5610 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5467.00	57.6 PK	74.0	-16.4	1.16 H	173	53.1	4.5
2	#5467.00	48.1 AV	54.0	-5.9	1.16 H	173	43.6	4.5
3	*5610.00	103.6 PK			1.16 H	173	98.9	4.7
4	*5610.00	94.3 AV			1.16 H	173	89.6	4.7
5	#5725.00	56.7 PK	74.0	-17.3	1.16 H	173	51.8	4.9
6	#5725.00	47.0 AV	54.0	-7.0	1.16 H	173	42.1	4.9
7	11220.00	52.5 PK	74.0	-21.5	1.27 H	359	38.1	14.4
8	11220.00	40.1 AV	54.0	-13.9	1.27 H	359	25.7	14.4
9	#16830.00	54.1 PK	74.0	-19.9	1.53 H	198	37.1	17.0
10	#16830.00	43.0 AV	54.0	-11.0	1.53 H	198	26.0	17.0
11	22440.00	-	-	-	-	-	-	-
12	#28050.00	-	-	-	-	-	-	-
13	#33660.00	-	-	-	-	-	-	-
14	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

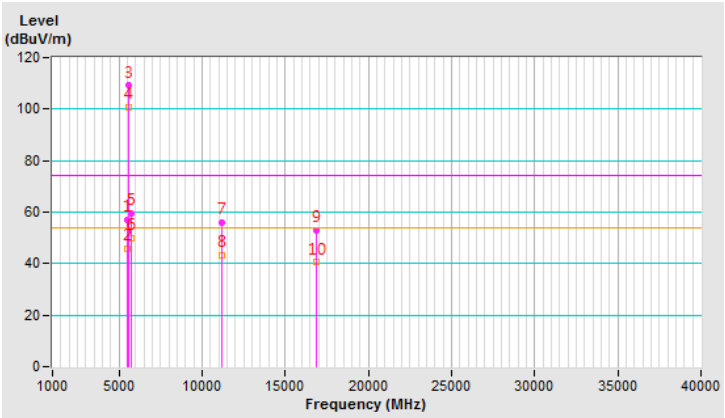


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 122：5610 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5467.00	56.9 PK	74.0	-17.1	3.32 V	155	52.4	4.5
2	#5467.00	46.0 AV	54.0	-8.0	3.32 V	155	41.5	4.5
3	*5610.00	109.1 PK			3.32 V	155	104.4	4.7
4	*5610.00	100.8 AV			3.32 V	155	96.1	4.7
5	#5725.00	59.7 PK	74.0	-14.3	3.32 V	155	54.8	4.9
6	#5725.00	49.7 AV	54.0	-4.3	3.32 V	155	44.8	4.9
7	11220.00	55.9 PK	74.0	-18.1	2.11 V	22	41.5	14.4
8	11220.00	43.4 AV	54.0	-10.6	2.11 V	22	29.0	14.4
9	#16830.00	52.8 PK	74.0	-21.2	2.12 V	226	35.8	17.0
10	#16830.00	40.5 AV	54.0	-13.5	2.12 V	226	23.5	17.0
11	22440.00	-	-	-	-	-	-	-
12	#28050.00	-	-	-	-	-	-	-
13	#33660.00	-	-	-	-	-	-	-
14	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. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

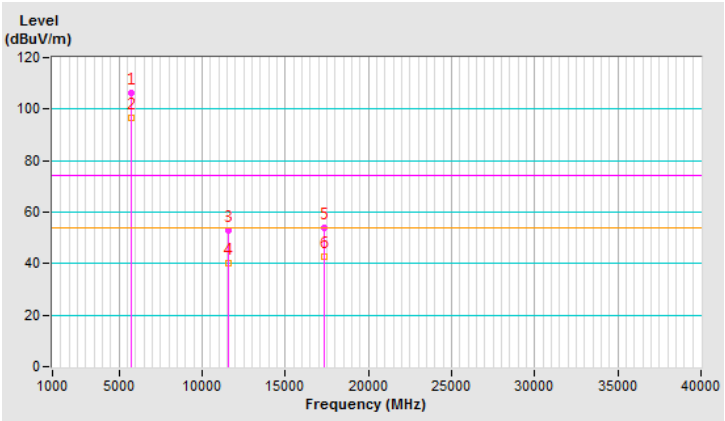


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 155：5775 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5775.00	106.3 PK			1.06 H	176	101.3	5.0
2	*5775.00	96.8 AV			1.06 H	176	91.8	5.0
3	11550.00	53.0 PK	74.0	-21.0	1.24 H	352	39.0	14.0
4	11550.00	40.4 AV	54.0	-13.6	1.24 H	352	26.4	14.0
5	#17325.00	53.8 PK	74.0	-20.2	1.46 H	205	35.2	18.6
6	#17325.00	42.8 AV	54.0	-11.2	1.46 H	205	24.2	18.6
7	23100.00	-	-	-	-	-	-	-
8	#28875.00	-	-	-	-	-	-	-
9	#34650.00	-	-	-	-	-	-	-

REMARKS:

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

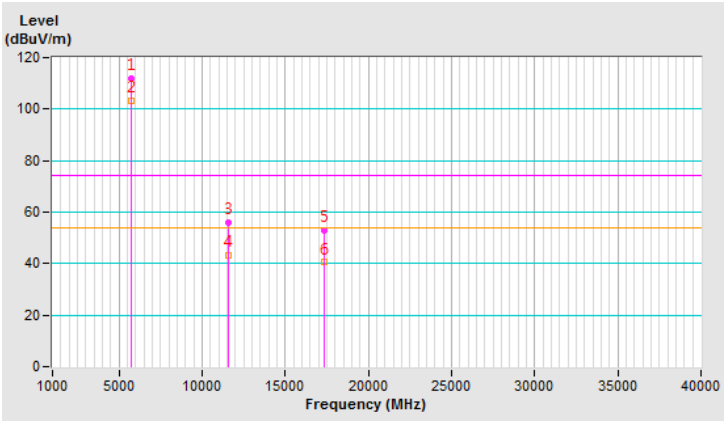


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 155：5775 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	22℃	量測場地濕度：	64%RH
測 試 日 期 ：	106 年 10 月 27 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5775.00	111.8 PK			2.54 V	134	106.8	5.0
2	*5775.00	103.3 AV			2.54 V	134	98.3	5.0
3	11550.00	56.0 PK	74.0	-18.0	2.12 V	31	42.0	14.0
4	11550.00	43.3 AV	54.0	-10.7	2.12 V	31	29.3	14.0
5	#17325.00	52.8 PK	74.0	-21.2	2.02 V	235	34.2	18.6
6	#17325.00	40.5 AV	54.0	-13.5	2.02 V	235	21.9	18.6
7	23100.00	-	-	-	-	-	-	-
8	#28875.00	-	-	-	-	-	-	-
9	#34650.00	-	-	-	-	-	-	-

REMARKS:

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



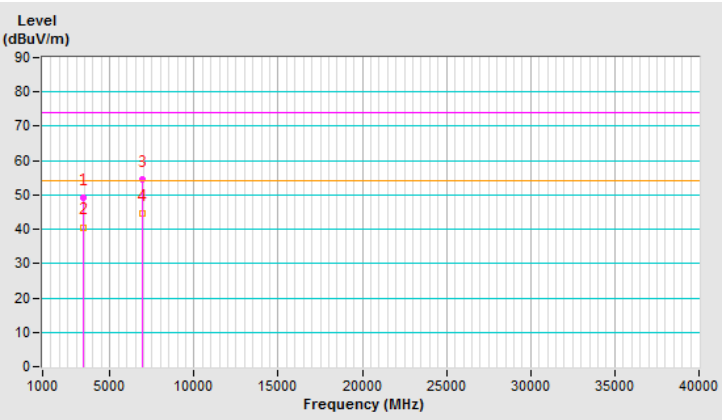
9.6.2 接收諧波

操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 36：5180 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3453.33	49.2 PK	74.0	-24.8	1.68 H	140	52.4	-3.2
2	3453.33	40.6 AV	54.0	-13.4	1.68 H	140	43.8	-3.2
3	6906.67	54.6 PK	74.0	-19.4	2.00 H	310	48.0	6.6
4	6906.67	44.5 AV	54.0	-9.5	2.00 H	310	37.9	6.6

REMARKS:

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

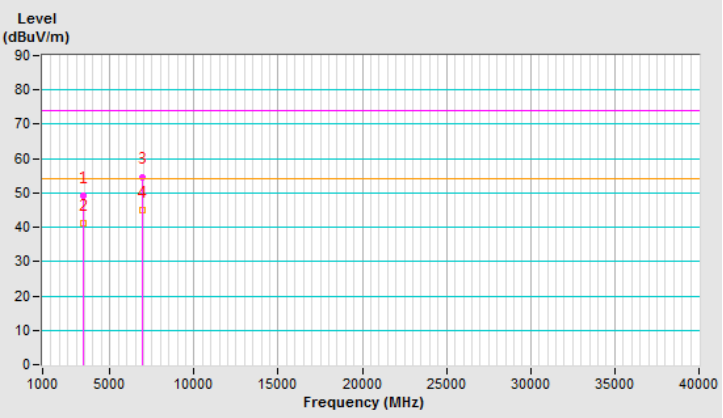


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 36：5180 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3453.33	49.2 PK	74.0	-24.8	1.89 V	335	52.4	-3.2
2	3453.33	41.1 AV	54.0	-12.9	1.89 V	335	44.3	-3.2
3	6906.67	54.7 PK	74.0	-19.3	1.45 V	214	48.1	6.6
4	6906.67	44.9 AV	54.0	-9.1	1.45 V	214	38.3	6.6

REMARKS:

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

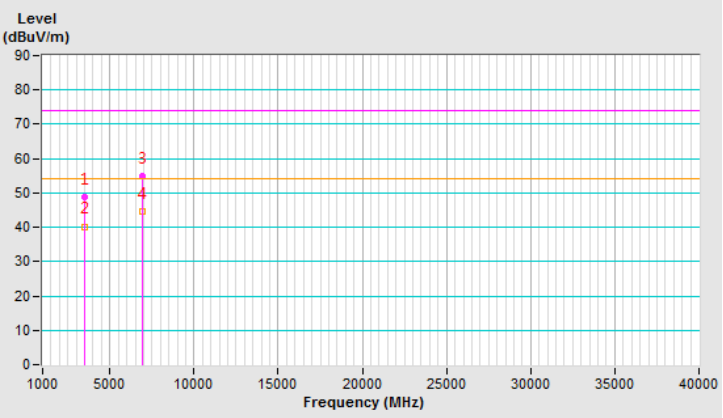


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 40：5200 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3466.67	48.8 PK	74.0	-25.2	1.62 H	128	51.9	-3.1
2	3466.67	40.2 AV	54.0	-13.8	1.62 H	128	43.3	-3.1
3	6933.33	54.8 PK	74.0	-19.2	2.01 H	307	48.2	6.6
4	6933.33	44.6 AV	54.0	-9.4	2.01 H	307	38.0	6.6

REMARKS:

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

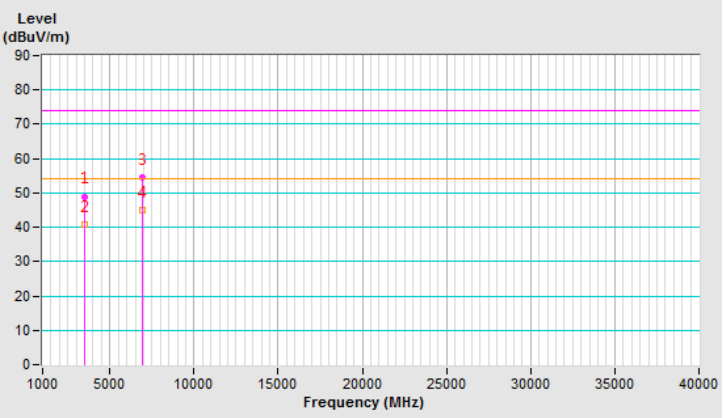


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 40：5200 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3466.67	49.0 PK	74.0	-25.0	1.85 V	325	52.1	-3.1
2	3466.67	40.9 AV	54.0	-13.1	1.85 V	325	44.0	-3.1
3	6933.33	54.6 PK	74.0	-19.4	1.46 V	219	48.0	6.6
4	6933.33	45.1 AV	54.0	-8.9	1.46 V	219	38.5	6.6

REMARKS:

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

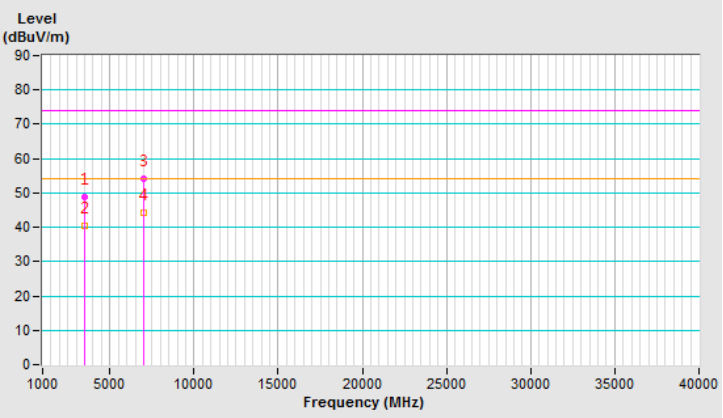


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 48：5240 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3493.33	48.7 PK	74.0	-25.3	1.71 H	141	51.8	-3.1
2	3493.33	40.3 AV	54.0	-13.7	1.71 H	141	43.4	-3.1
3	6986.67	54.0 PK	74.0	-20.0	2.02 H	306	47.2	6.8
4	6986.67	44.1 AV	54.0	-9.9	2.02 H	306	37.3	6.8

REMARKS:

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

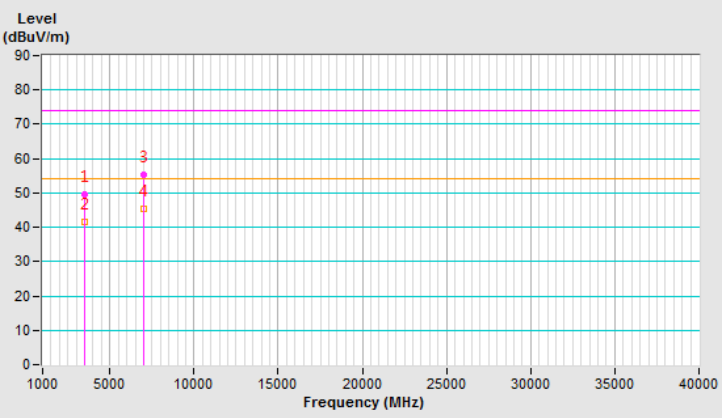


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 48：5240 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3493.33	49.6 PK	74.0	-24.4	1.91 V	341	52.7	-3.1
2	3493.33	41.6 AV	54.0	-12.4	1.91 V	341	44.7	-3.1
3	6986.67	55.3 PK	74.0	-18.7	1.44 V	205	48.5	6.8
4	6986.67	45.3 AV	54.0	-8.7	1.44 V	205	38.5	6.8

REMARKS:

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

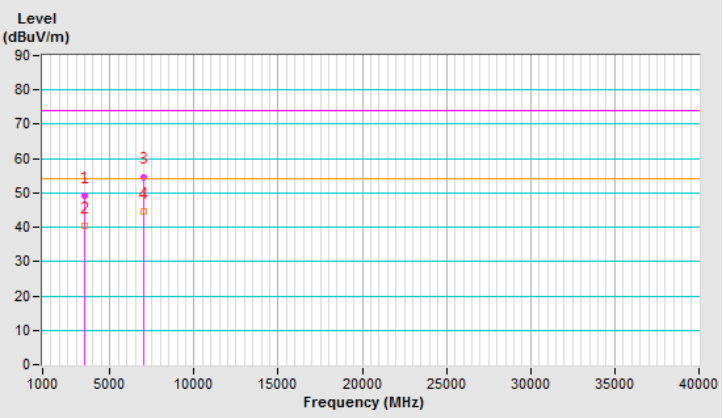


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 52：5260 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3506.67	49.3 PK	74.0	-24.7	1.75 H	136	52.4	-3.1
2	3506.67	40.4 AV	54.0	-13.6	1.75 H	136	43.5	-3.1
3	7013.33	54.7 PK	74.0	-19.3	2.08 H	296	47.9	6.8
4	7013.33	44.7 AV	54.0	-9.3	2.08 H	296	37.9	6.8

REMARKS:

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

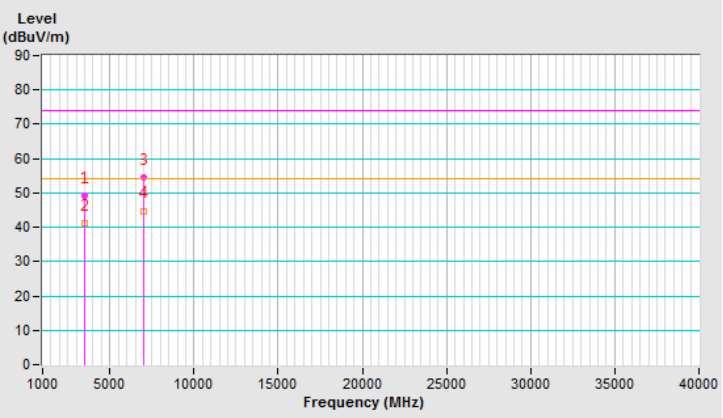


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 52：5260 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3506.67	49.3 PK	74.0	-24.7	1.89 V	342	52.4	-3.1
2	3506.67	41.0 AV	54.0	-13.0	1.89 V	342	44.1	-3.1
3	7013.33	54.5 PK	74.0	-19.5	1.41 V	196	47.7	6.8
4	7013.33	44.8 AV	54.0	-9.2	1.41 V	196	38.0	6.8

REMARKS:

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

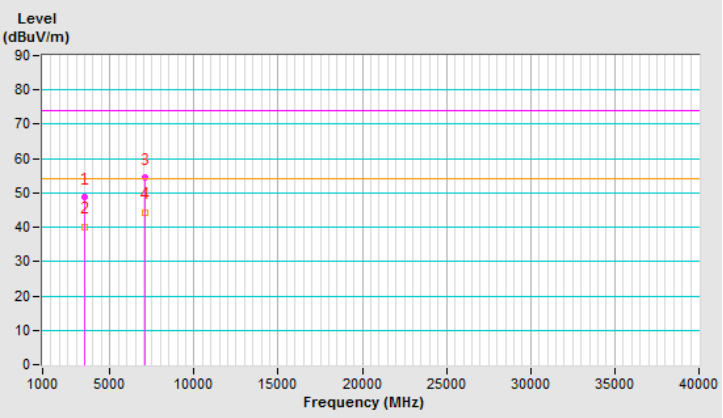


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 60：5300 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3533.33	48.9 PK	74.0	-25.1	1.70 H	132	52.0	-3.1
2	3533.33	40.2 AV	54.0	-13.8	1.70 H	132	43.3	-3.1
3	7066.67	54.4 PK	74.0	-19.6	2.05 H	309	47.3	7.1
4	7066.67	44.4 AV	54.0	-9.6	2.05 H	309	37.3	7.1

REMARKS:

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

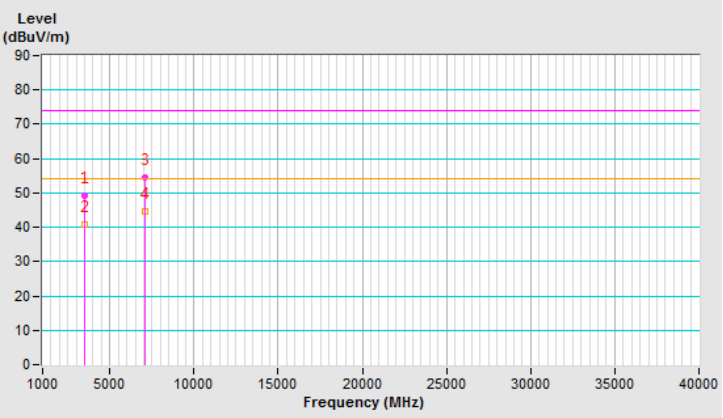


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 60：5300 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3533.33	49.1 PK	74.0	-24.9	1.94 V	354	52.2	-3.1
2	3533.33	40.9 AV	54.0	-13.1	1.94 V	354	44.0	-3.1
3	7066.67	54.5 PK	74.0	-19.5	1.43 V	211	47.4	7.1
4	7066.67	44.6 AV	54.0	-9.4	1.43 V	211	37.5	7.1

REMARKS:

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

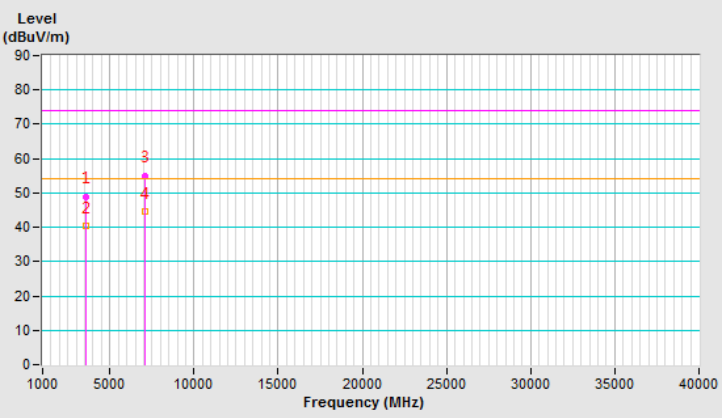


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 64：5320 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3546.67	49.0 PK	74.0	-25.0	1.68 H	138	52.1	-3.1
2	3546.67	40.4 AV	54.0	-13.6	1.68 H	138	43.5	-3.1
3	7093.33	55.1 PK	74.0	-18.9	2.04 H	305	47.9	7.2
4	7093.33	44.5 AV	54.0	-9.5	2.04 H	305	37.3	7.2

REMARKS:

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

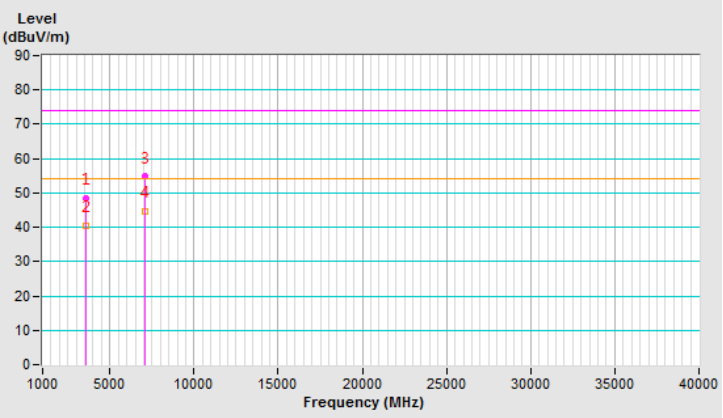


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 64：5320 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3546.67	48.6 PK	74.0	-25.4	1.93 V	337	51.7	-3.1
2	3546.67	40.6 AV	54.0	-13.4	1.93 V	337	43.7	-3.1
3	7093.33	54.8 PK	74.0	-19.2	1.33 V	203	47.6	7.2
4	7093.33	44.8 AV	54.0	-9.2	1.33 V	203	37.6	7.2

REMARKS:

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

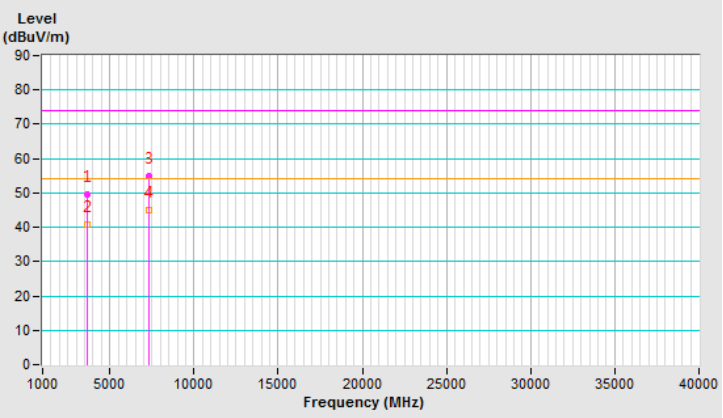


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 100：5500 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3666.67	49.6 PK	74.0	-24.4	1.69 H	110	52.3	-2.7
2	3666.67	40.8 AV	54.0	-13.2	1.69 H	110	43.5	-2.7
3	7333.33	55.0 PK	74.0	-19.0	2.07 H	303	47.5	7.5
4	7333.33	44.9 AV	54.0	-9.1	2.07 H	303	37.4	7.5

REMARKS:

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

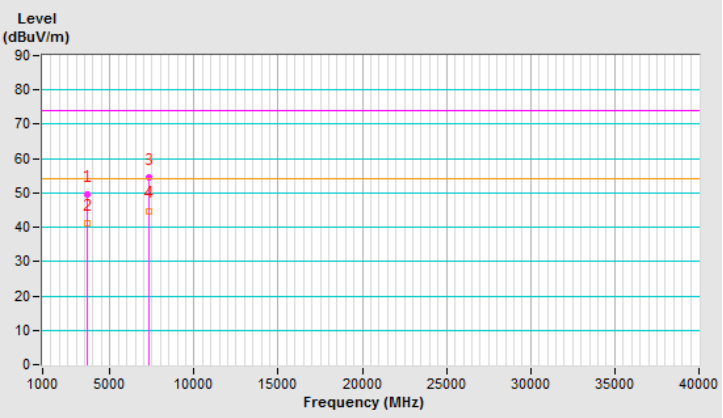


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 100：5500 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3666.67	49.5 PK	74.0	-24.5	1.88 V	351	52.2	-2.7
2	3666.67	41.2 AV	54.0	-12.8	1.88 V	351	43.9	-2.7
3	7333.33	54.4 PK	74.0	-19.6	1.42 V	219	46.9	7.5
4	7333.33	44.8 AV	54.0	-9.2	1.42 V	219	37.3	7.5

REMARKS:

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

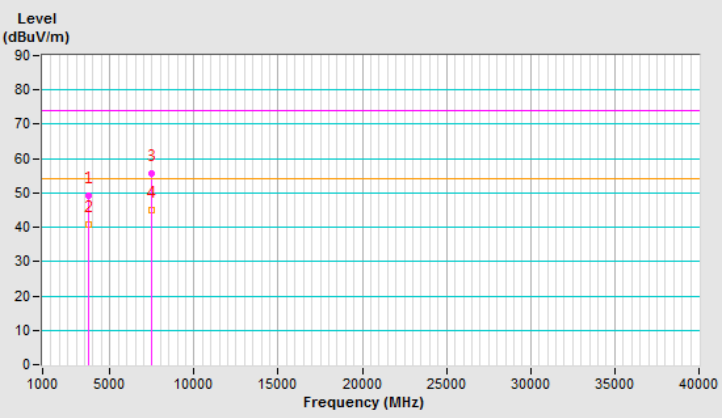


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 116：5580 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3720.00	49.2 PK	74.0	-24.8	1.77 H	119	51.6	-2.4
2	3720.00	40.8 AV	54.0	-13.2	1.77 H	119	43.2	-2.4
3	7440.00	55.5 PK	74.0	-18.5	2.03 H	309	47.8	7.7
4	7440.00	44.9 AV	54.0	-9.1	2.03 H	309	37.2	7.7

REMARKS:

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

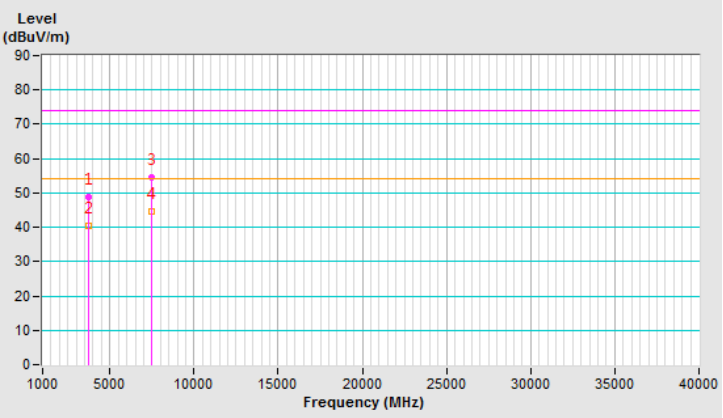


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 116：5580 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3720.00	48.8 PK	74.0	-25.2	1.86 V	339	51.2	-2.4
2	3720.00	40.5 AV	54.0	-13.5	1.86 V	339	42.9	-2.4
3	7440.00	54.4 PK	74.0	-19.6	1.43 V	215	46.7	7.7
4	7440.00	44.5 AV	54.0	-9.5	1.43 V	215	36.8	7.7

REMARKS:

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

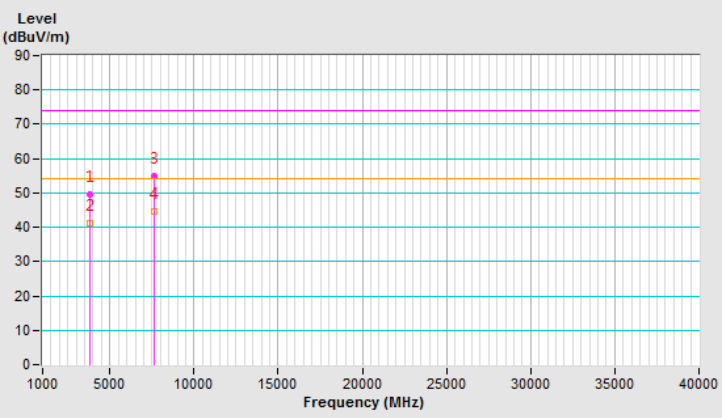


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 140：5700 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3800.00	49.5 PK	74.0	-24.5	1.71 H	138	51.6	-2.1
2	3800.00	41.0 AV	54.0	-13.0	1.71 H	138	43.1	-2.1
3	7600.00	55.0 PK	74.0	-19.0	1.99 H	303	46.9	8.1
4	7600.00	44.6 AV	54.0	-9.4	1.99 H	303	36.5	8.1

REMARKS:

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

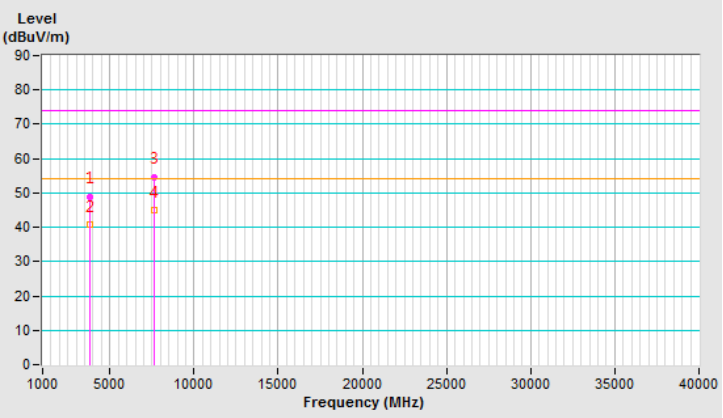


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 140：5700 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	68%RH
測 試 日 期 ：	105 年 11 月 10 日	測 試 者 ：	羅益偉

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3800.00	49.0 PK	74.0	-25.0	1.89 V	360	51.1	-2.1
2	3800.00	40.7 AV	54.0	-13.3	1.89 V	360	42.8	-2.1
3	7600.00	54.7 PK	74.0	-19.3	1.41 V	198	46.6	8.1
4	7600.00	45.0 AV	54.0	-9.0	1.41 V	198	36.9	8.1

REMARKS:

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

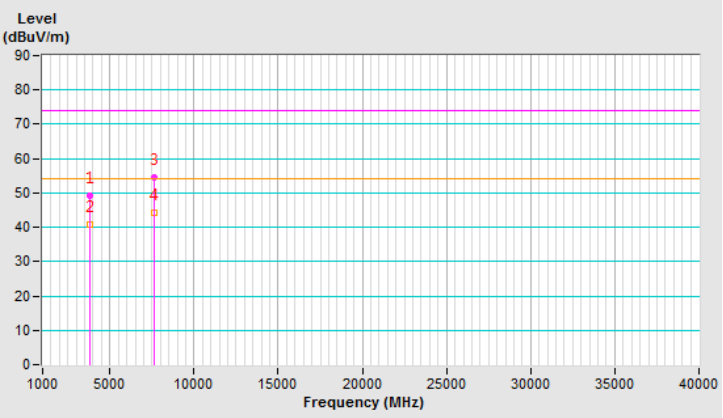


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3830.00	49.2 PK	74.0	-24.8	1.69 H	130	51.3	-2.1
2	3830.00	40.9 AV	54.0	-13.1	1.69 H	130	43.0	-2.1
3	7660.00	54.4 PK	74.0	-19.6	1.98 H	311	46.2	8.2
4	7660.00	44.2 AV	54.0	-9.8	1.98 H	311	36.0	8.2

REMARKS:

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

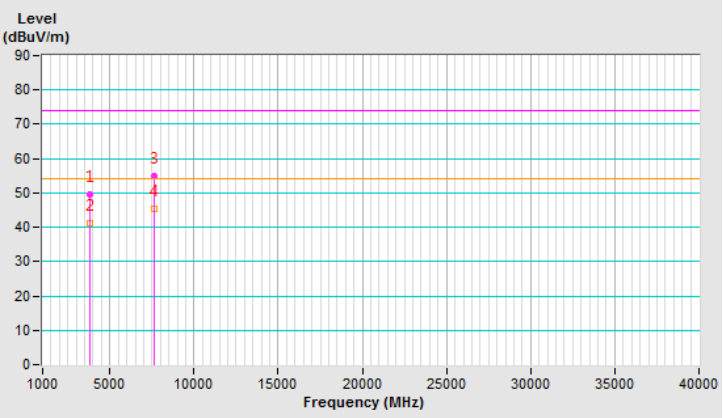


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3830.00	49.6 PK	74.0	-24.4	1.87 V	328	51.7	-2.1
2	3830.00	41.2 AV	54.0	-12.8	1.87 V	328	43.3	-2.1
3	7660.00	55.0 PK	74.0	-19.0	1.40 V	217	46.8	8.2
4	7660.00	45.4 AV	54.0	-8.6	1.40 V	217	37.2	8.2

REMARKS:

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

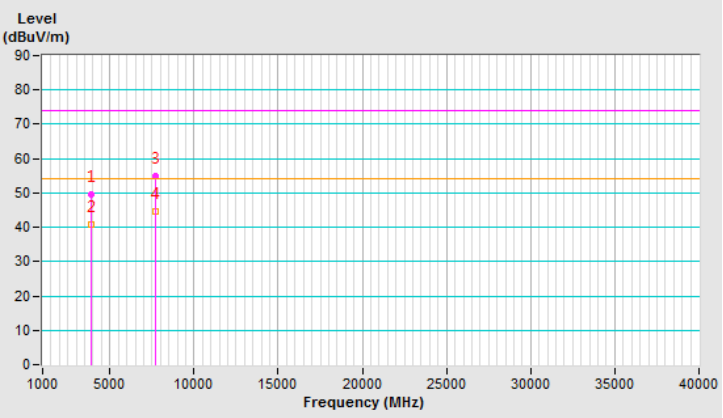


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3856.67	49.7 PK	74.0	-24.3	1.69 H	128	51.7	-2.0
2	3856.67	40.9 AV	54.0	-13.1	1.69 H	128	42.9	-2.0
3	7713.33	54.9 PK	74.0	-19.1	2.03 H	305	46.6	8.3
4	7713.33	44.7 AV	54.0	-9.3	2.03 H	305	36.4	8.3

REMARKS:

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

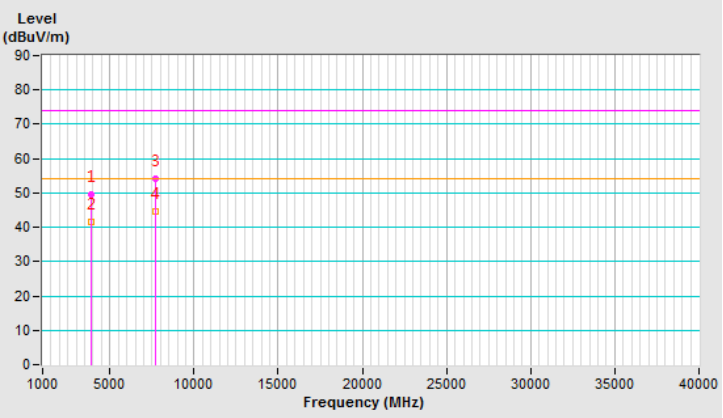


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3856.67	49.5 PK	74.0	-24.5	1.85 V	319	51.5	-2.0
2	3856.67	41.5 AV	54.0	-12.5	1.85 V	319	43.5	-2.0
3	7713.33	54.2 PK	74.0	-19.8	1.46 V	212	45.9	8.3
4	7713.33	44.5 AV	54.0	-9.5	1.46 V	212	36.2	8.3

REMARKS:

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

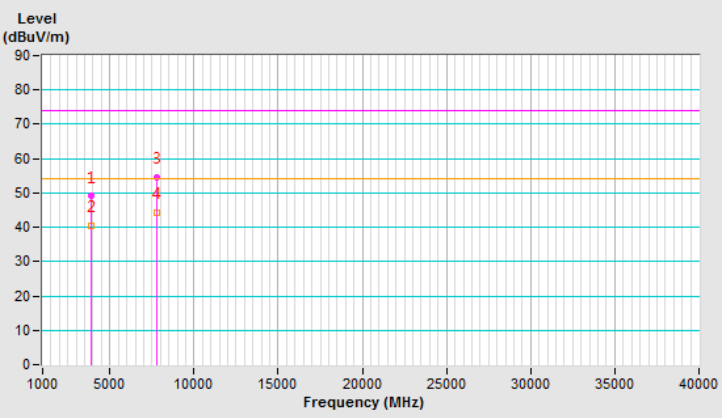


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3883.33	49.2 PK	74.0	-24.8	1.71 H	124	51.3	-2.1
2	3883.33	40.6 AV	54.0	-13.4	1.71 H	124	42.7	-2.1
3	7766.67	54.7 PK	74.0	-19.3	2.03 H	299	46.5	8.2
4	7766.67	44.4 AV	54.0	-9.6	2.03 H	299	36.2	8.2

REMARKS:

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

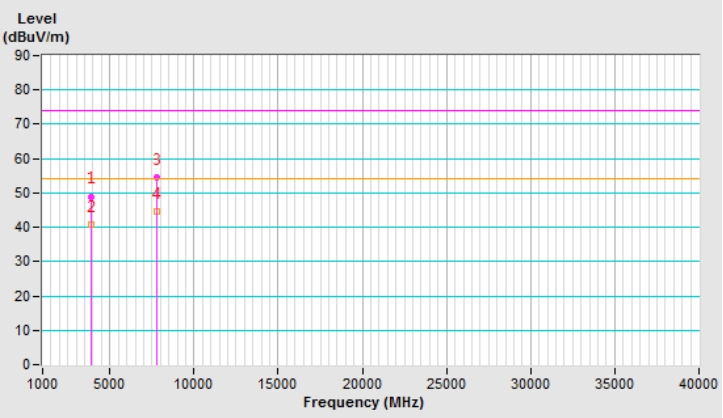


操 作 模 式 ：	接收		
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz
量測場地溫度：	22℃	量測場地濕度：	70%RH
測 試 日 期 ：	105 年 10 月 7 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	3883.33	49.0 PK	74.0	-25.0	1.88 V	350	51.1	-2.1
2	3883.33	40.9 AV	54.0	-13.1	1.88 V	350	43.0	-2.1
3	7766.67	54.5 PK	74.0	-19.5	1.39 V	208	46.3	8.2
4	7766.67	44.6 AV	54.0	-9.4	1.39 V	208	36.4	8.2

REMARKS:

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



9.6.3 其它不必要之訊號

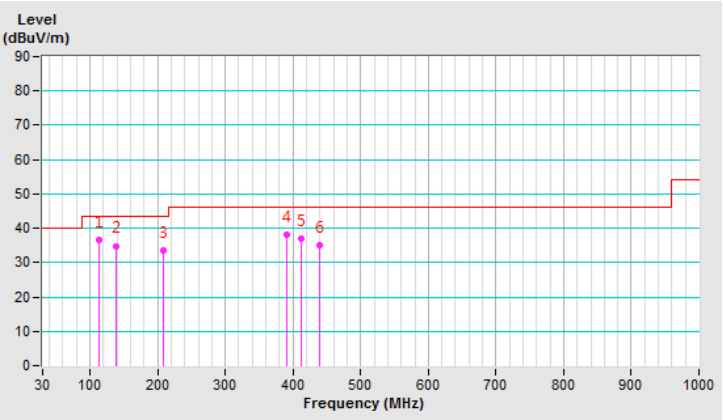
802.11ac (VHT40)

操 作 模 式 ：	發射接收	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 110：5550 MHz	測 試 儀 器 ：	(QP) RB=VB=120kHz
量測場地溫度 ：	24℃	量測場地濕度 ：	68%RH
測 試 日 期 ：	106 年 10 月 5 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	113.08	36.7 QP	43.5	-6.8	2.00 H	319	47.5	-10.8
2	139.27	34.9 QP	43.5	-8.6	2.00 H	84	43.5	-8.6
3	207.56	33.4 QP	43.5	-10.1	1.50 H	153	45.0	-11.6
4	391.20	38.1 QP	46.0	-7.9	2.00 H	314	43.7	-5.6
5	412.16	37.0 QP	46.0	-9.0	2.00 H	311	42.0	-5.0
6	438.76	35.0 QP	46.0	-11.0	2.00 H	301	38.9	-3.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.

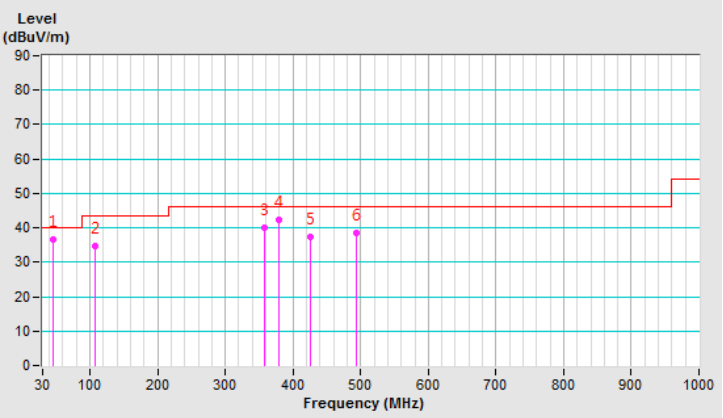


操 作 模 式 ：	發射接收	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 110：5550 MHz	測 試 儀 器 ：	(QP) RB=VB=120kHz
量測場地溫度：	24℃	量測場地濕度：	68%RH
測 試 日 期 ：	106 年 10 月 5 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	45.20	36.7 QP	40.0	-3.3	1.00 V	180	45.0	-8.3
2	106.73	34.8 QP	43.5	-8.7	1.00 V	220	46.2	-11.4
3	357.25	40.1 QP	46.0	-5.9	1.00 V	303	46.4	-6.3
4	380.15	42.2 QP	46.0	-3.8	1.00 V	255	48.0	-5.8
5	425.61	37.3 QP	46.0	-8.7	1.00 V	258	41.7	-4.4
6	492.93	38.6 QP	46.0	-7.4	1.00 V	258	41.9	-3.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
4. Margin value = Emission Level – Limit value
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz.



9.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

9.8 輻射量測之配置照片

請參照 Test Setup Photos

10 電源線傳導干擾之量測

10.1 適用標準

請見本報告 3.1 節第 1 項的規定。

10.2 量測方法

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

10.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Test Receiver R&S	ESCS 30	100375	May 09, 2016	May 08, 2017
Line-Impedance Stabilization Network (for EUT) SCHWARZBECK	NSLK-8127	8127-522	Aug. 31, 2016	Aug. 30, 2017
Line-Impedance Stabilization Network (for Peripheral) R&S	ENV216	100072	June 13, 2016	June 12, 2017
RF Cable	5D-FB	COACAB-002	Mar. 04, 2016	Mar. 03, 2017
10 dB PAD Mini-Circuits	HAT-10+	CONATT-003	Sep. 13, 2016	Sep. 12, 2017
50 ohms Terminator	N/A	EMC-03	Sep. 29, 2016	Sep. 28, 2017
50 ohms Terminator	N/A	EMC-02	Sep. 29, 2016	Sep. 28, 2017
Software BVADT	BVADT_Cond_ V7.3.7.4	NA	NA	NA

Note:

1. The calibration interval of the above test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in Shielded Room No. C.
3 The VCCI Con C Registration No. is C-3611.
4 The measurement uncertainty is 2.98 dB, which is calculated as per the document CISPR 16-4-2 This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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

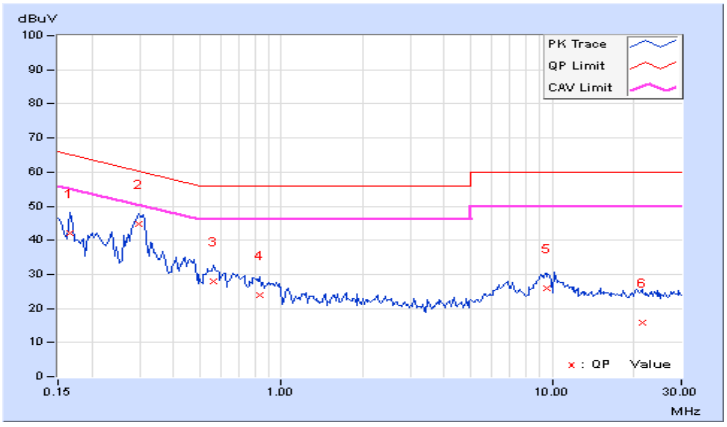
10.6 量測結果 (模式一)

操作模式	發射	測試日期	105 年 11 月 16 日
基本波頻率	Ch 110: 5550MHz	量測場地溫度	26℃
調變技術	OFDM	量測場地濕度	60%RH
測試者	李慶貫	測試模式	一

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.16565	10.15	31.96	17.93	42.11	28.08	65.18	55.18	-23.07	-27.10
0.29849	**10.08**	**34.78**	**27.55**	**44.86**	**37.63**	**60.28**	**50.28**	**-15.42**	**-12.65**
0.56033	10.12	17.83	12.66	27.95	22.78	56.00	46.00	-28.05	-23.22
0.83366	10.18	13.75	8.66	23.93	18.84	56.00	46.00	-32.07	-27.16
9.61723	10.47	15.33	9.69	25.80	20.16	60.00	50.00	-34.20	-29.84
21.45715	10.89	4.82	3.03	15.71	13.92	60.00	50.00	-44.29	-36.08

NOTE:

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

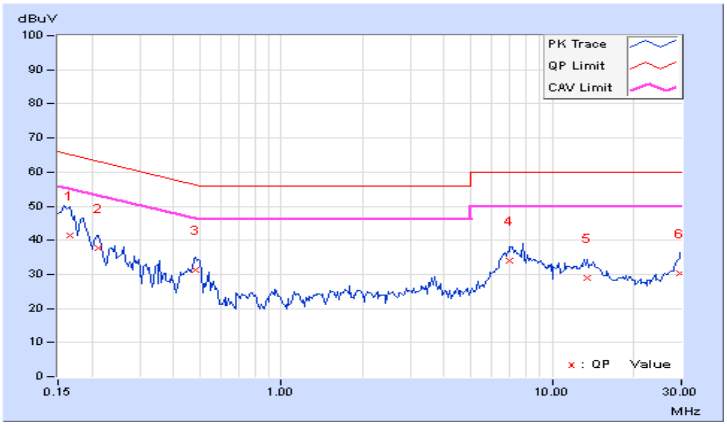


操作模式	發射	測試日期	105 年 11 月 16 日
基本波頻率	Ch 110: 5550MHz	量測場地溫度	26℃
調變技術	OFDM	量測場地濕度	60%RH
測試者	李慶貫	測試模式	一

		6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.16569	10.13	31.29	15.22	41.42	25.35	65.17	55.17	-23.75	-29.82
0.21255	10.12	27.66	16.45	37.78	26.57	63.11	53.11	-25.33	-26.54
0.48208	10.11	21.33	15.66	31.44	25.77	56.30	46.30	-24.86	-20.53
7.00001	10.37	23.53	18.99	33.90	29.36	60.00	50.00	-26.10	-20.64
13.51175	10.57	18.22	12.95	28.79	23.52	60.00	50.00	-31.21	-26.48
29.69928	11.16	19.22	14.33	30.38	25.49	60.00	50.00	-29.62	-24.51

NOTE:

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



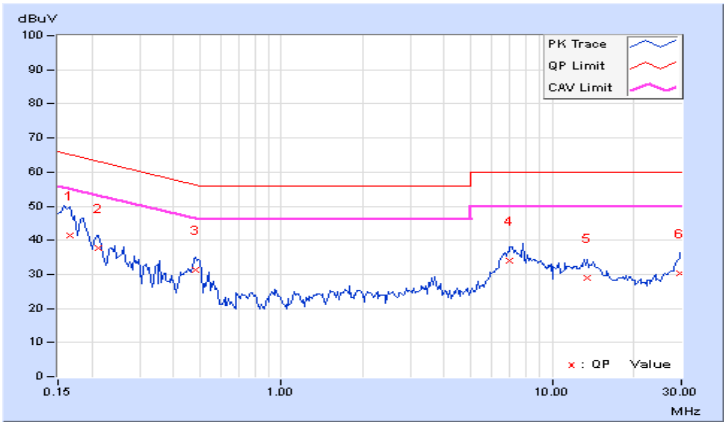
10.7 量測結果 (模式二)

操作模式	發射	測試日期	105 年 11 月 16 日
基本波頻率	Ch 110: 5550MHz	量測場地溫度	26℃
調變技術	OFDM	量測場地濕度	60%RH
測試者	李慶貫	測試模式	二

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.16569	10.13	31.29	15.22	41.42	25.35	65.17	55.17	-23.75	-29.82
0.21255	10.12	27.66	16.45	37.78	26.57	63.11	53.11	-25.33	-26.54
0.48208	10.11	21.33	15.66	31.44	25.77	56.30	46.30	-24.86	-20.53
7.00001	10.37	23.53	18.99	33.90	29.36	60.00	50.00	-26.10	-20.64
13.51175	10.57	18.22	12.95	28.79	23.52	60.00	50.00	-31.21	-26.48
29.69928	11.16	19.22	14.33	30.38	25.49	60.00	50.00	-29.62	-24.51

NOTE:

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

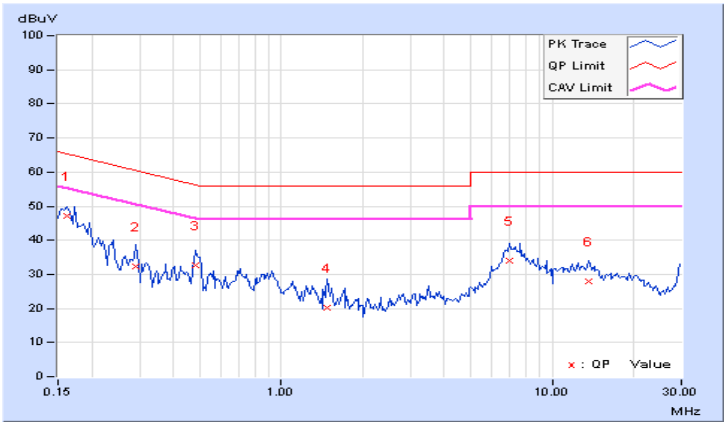


操作模式	發射	測試日期	105 年 11 月 16 日
基本波頻率	Ch 110: 5550MHz	量測場地溫度	26℃
調變技術	OFDM	量測場地濕度	60%RH
測試者	李慶貫	測試模式	二

		6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.16175	10.16	36.89	25.47	47.05	35.63	65.37	55.37	-18.32	-19.74
0.29066	10.08	22.36	17.69	32.44	27.77	60.51	50.51	-28.07	-22.74
0.48205	10.11	22.69	18.92	32.80	29.03	56.30	46.30	-23.50	-17.27
1.48439	10.19	10.13	6.29	20.32	16.48	56.00	46.00	-35.68	-29.52
6.97269	10.40	23.66	19.16	34.06	29.56	60.00	50.00	-25.94	-20.44
13.58208	10.62	17.19	11.86	27.81	22.48	60.00	50.00	-32.19	-27.52

NOTE:

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



10.8 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

10.9 配置照片

請參照 Test Setup Photos

11 傳導輸出功率量測及發射頻寬之要求

11.1 適用標準

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

11.2 量測方法

傳導輸出功率量測方法:

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

發射頻寬量測方法:

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) 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:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Power meter Anritsu	ML2495A	1014008	May 11, 2017	May 10, 2018
Power sensor Anritsu	MA2411B	0917122	May 11, 2017	May 10, 2018

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

發射頻寬之量測儀器:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	July 1, 2017	June 30, 2018

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

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 峰值傳導輸出功率之量測結果

操作模式	發射	測試日期	106 年 10 月 27 日
量測場地溫度	25℃	量測場地濕度	60%RH
測試者	鄭樹營		

For UNII-1, UNII-3

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
36	5180	19.12	18.73	20.10	258.632	24.13	30.00	Pass
40	5200	18.49	17.89	19.60	223.351	23.49	30.00	Pass
48	5240	21.80	21.86	23.40	523.594	27.19	30.00	Pass
149	5745	24.69	24.69	24.82	892.273	29.50	30.00	Pass
157	5785	24.68	24.86	24.96	913.29	29.61	30.00	Pass
165	5825	24.69	24.66	24.79	888.158	29.48	30.00	Pass

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
36	5180	20.07	19.77	21.21	328.597	25.17	30.00	Pass
40	5200	18.55	18.53	20.37	251.792	24.01	30.00	Pass
48	5240	22.70	22.52	23.39	583.131	27.66	30.00	Pass
149	5745	24.65	24.60	24.70	875.267	29.42	30.00	Pass
157	5785	24.60	24.76	24.90	896.659	29.53	30.00	Pass
165	5825	24.59	24.63	24.72	874.625	29.42	30.00	Pass

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
38	5190	17.12	16.69	17.91	159.991	22.04	30.00	Pass
46	5230	21.59	21.23	22.46	453.149	26.56	30.00	Pass
151	5755	24.42	24.22	24.38	815.092	29.11	30.00	Pass
159	5795	24.53	24.50	24.60	854.033	29.31	30.00	Pass

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
42	5210	17.07	17.68	16.70	156.321	21.94	30.00	Pass
155	5775	21.75	21.99	22.35	479.54	26.81	30.00	Pass

For UNII-2A, UNII-2C

CDD Mode

802.11a

Power Output:

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
52	5260	18.34	18.39	18.90	214.883	23.32	24.00	Pass
60	5300	18.37	18.36	18.76	212.418	23.27	24.00	Pass
64	5320	18.41	18.33	18.62	210.198	23.23	24.00	Pass
100	5500	18.35	18.36	18.64	210.054	23.22	24.00	Pass
116	5580	18.22	18.70	18.45	210.489	23.23	24.00	Pass
140	5700	18.32	18.69	18.33	209.958	23.22	24.00	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
52	5260	20.55	20.42	20.18
60	5300	20.72	20.46	20.44
64	5320	20.80	20.45	20.54
100	5500	20.53	20.49	20.33
120	5600	20.48	20.48	20.39
140	5700	20.45	20.88	20.42

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.18	24.04 > 24
60	5300	20.44	24.1 > 24
64	5320	20.45	24.1 > 24
100	5500	20.33	24.08 > 24
120	5600	20.39	24.09 > 24
140	5700	20.42	24.1 > 24

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
52	5260	18.33	18.38	18.93	215.105	23.33	24.00	Pass
60	5300	18.38	18.36	18.77	212.75	23.28	24.00	Pass
64	5320	18.39	18.32	18.65	210.226	23.23	24.00	Pass
100	5500	18.28	18.46	18.66	210.895	23.24	24.00	Pass
116	5580	18.28	18.69	18.52	212.38	23.27	24.00	Pass
140	5700	18.40	18.66	18.32	210.554	23.23	24.00	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
52	5260	22.25	20.49	21.40
60	5300	22.07	20.76	20.80
64	5320	21.17	20.74	20.73
100	5500	20.84	20.69	20.68
120	5600	20.90	20.76	20.94
140	5700	22.24	21.92	20.58

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
52	5260	20.49	24.11 > 24
60	5300	20.76	24.17 > 24
64	5320	20.73	24.16 > 24
100	5500	20.68	24.15 > 24
120	5600	20.76	24.17 > 24
140	5700	20.58	24.13 > 24

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
54	5270	18.22	18.11	18.84	207.648	23.17	24.00	Pass
62	5310	17.77	17.75	18.23	185.934	22.69	24.00	Pass
102	5510	16.92	17.33	17.44	158.742	22.01	24.00	Pass
110	5550	18.33	18.98	18.89	224.591	23.51	24.00	Pass
134	5670	18.54	18.83	18.36	216.383	23.35	24.00	Pass

26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
54	5270	43.25	42.24	41.19
62	5310	41.32	41.30	40.76
102	5510	41.49	41.36	41.27
118	5590	41.75	41.18	41.85
134	5670	53.39	60.08	45.93

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
54	5270	41.19	27.14 > 24
62	5310	40.76	27.1 > 24
102	5510	41.27	27.15 > 24
118	5590	41.18	27.14 > 24
134	5670	45.93	27.62 > 24

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)			Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
58	5290	17.71	17.93	17.83	181.781	22.60	24.00	Pass
106	5530	17.51	17.91	17.80	178.422	22.51	24.00	Pass
122	5610	18.22	18.80	18.44	212.055	23.26	24.00	Pass

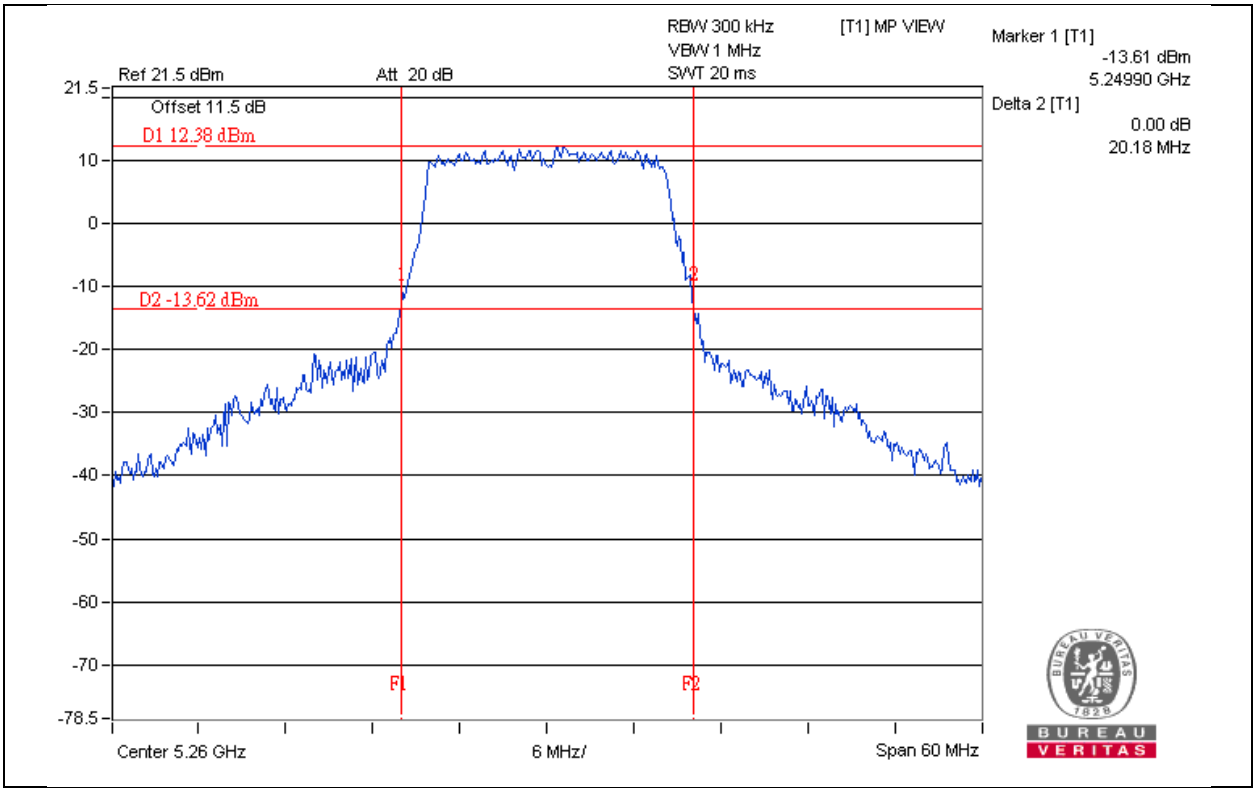
26dB OCCUPIED BANDWIDTH

Channel	Frequency (MHz)	26dBc Bandwidth (MHz)		
		Chain 0	Chain 1	Chain 2
58	5290	83.22	82.70	82.18
106	5530	82.77	82.54	81.97
122	5610	83.76	86.99	83.02

Note: For U-NII-2A, U-NII-2C Band output power limitation is determined based on 26dBc bandwidth

Power Limit = 11dBm + 10logB < U-NII-2A, U-NII-2C >			
Channel Number	Freq.(MHz)	Min. B(MHz)	Determined Conducted Limit (dBm)
58	5290	82.18	30.14 > 24
106	5530	81.97	30.13 > 24
122	5610	83.02	30.19 > 24

**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，符合低功率射頻電機技術規範之要求。

12 功率頻譜密度之量測

12.1 適用標準

	待測物操作頻帶	適用標準
☒	5.15 GHz~5.25 GHz	請見本報告 3.1 節第 7 項(II)及 4 項(II)的規定
☒	5.25 GHz~5.35 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☒	5.470 GHz~5.725 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☒	5.725 GHz~5.850 GHz	請見本報告 3.1 節第 7 項(IV)及 4 項(IV)的規定

12.2 量測方法

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

802.11a, 802.11ac (VHT20), 802.11ac (VHT40)

For U-NII-1~2C:

Using method SA-1

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

For U-NII-3:

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

802.11ac (VHT80)

For U-NII-1~2C:

Using method SA-2

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

For U-NII-3:

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

12.3 量測功率頻譜密度之儀器

For UNII-1 & UNII-3:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 11, 2016	May 10, 2017

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

For UNII-2A & UNII-2C:

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSV40	100964	June 28, 2016	June 27, 2017

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

12.4 功率頻譜密度之測試配置

同 9.4 節

12.5 功率頻譜密度之量測結果

For U-NII-1 & UNII-3:

操作模式	發射	測試日期	105 年 10 月 08 日
量測場地溫度	25℃	量測場地濕度	60%RH
測試者	鄭又瑋		

For U-NII-1:

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)			Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2			
36	5180	6.24	5.42	8.08	11.50	17.00	Pass
40	5200	5.40	4.96	7.40	10.83	17.00	Pass
48	5240	10.14	10.15	12.14	15.69	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)			Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2			
36	5180	6.84	6.74	8.46	12.19	17.00	Pass
40	5200	6.06	6.23	7.62	11.47	17.00	Pass
48	5240	9.98	10.24	11.45	15.38	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)			Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2			
38	5190	1.16	0.44	2.90	6.40	17.00	Pass
46	5230	5.73	5.64	7.78	11.27	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

802.11ac (VHT80)

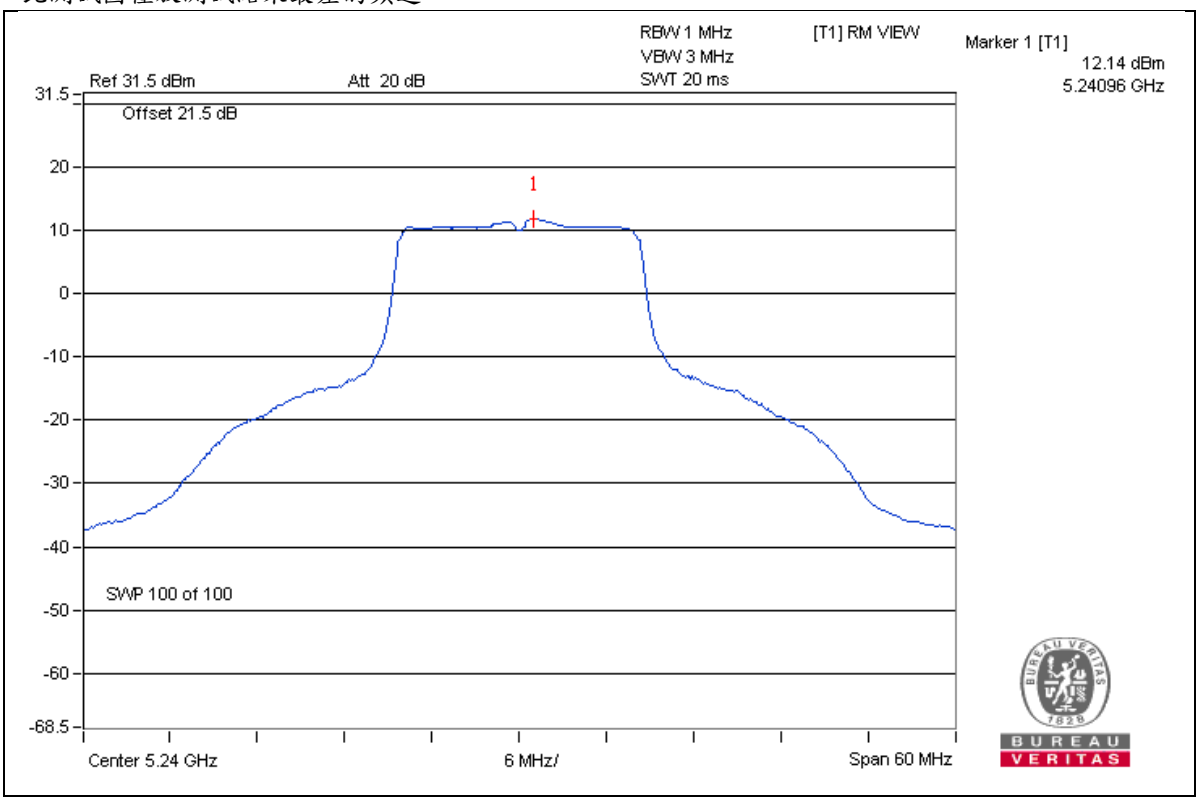
Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)			Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
42	5210	-1.60	-2.45	-1.81	0.17	3.00	17.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

3. Refer to section 2.1 for duty cycle spectrum plot

**此測試圖僅放測試結果最差的頻道。



For U-NII-3:

CDD Mode

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	3.60	5.82	4.77	10.59	30.00	Pass
	157	5785	3.46	5.68	4.77	10.45	30.00	Pass
	165	5825	3.17	5.39	4.77	10.16	30.00	Pass
1	149	5745	4.25	6.47	4.77	11.24	30.00	Pass
	157	5785	4.13	6.35	4.77	11.12	30.00	Pass
	165	5825	4.00	6.22	4.77	10.99	30.00	Pass
2	149	5745	4.37	6.59	4.77	11.36	30.00	Pass
	157	5785	4.24	6.46	4.77	11.23	30.00	Pass
	165	5825	3.81	6.03	4.77	10.80	30.00	Pass

Note: 1. Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

Beamforming Mode

802.11ac (VHT20)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	3.53	5.75	4.77	10.52	30.00	Pass
	157	5785	3.14	5.36	4.77	10.13	30.00	Pass
	165	5825	2.86	5.08	4.77	9.85	30.00	Pass
1	149	5745	3.76	5.98	4.77	10.75	30.00	Pass
	157	5785	3.42	5.64	4.77	10.41	30.00	Pass
	165	5825	3.31	5.53	4.77	10.30	30.00	Pass
2	149	5745	3.95	6.17	4.77	10.94	30.00	Pass
	157	5785	3.96	6.18	4.77	10.95	30.00	Pass
	165	5825	3.46	5.68	4.77	10.45	30.00	Pass

Note: 1. Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

802.11ac (VHT40)

TX chain	Channel	Freq. (MHz)	PSD (dBm/300kHz)	PSD (dBm/500kHz)	10 log (N=3) dB	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	151	5755	-0.07	2.15	4.77	6.92	30.00	Pass
	159	5795	-0.20	2.02	4.77	6.79	30.00	Pass
1	151	5755	0.32	2.54	4.77	7.31	30.00	Pass
	159	5795	0.58	2.80	4.77	7.57	30.00	Pass
2	151	5755	0.38	2.60	4.77	7.37	30.00	Pass
	159	5795	0.69	2.91	4.77	7.68	30.00	Pass

Note: 1. Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

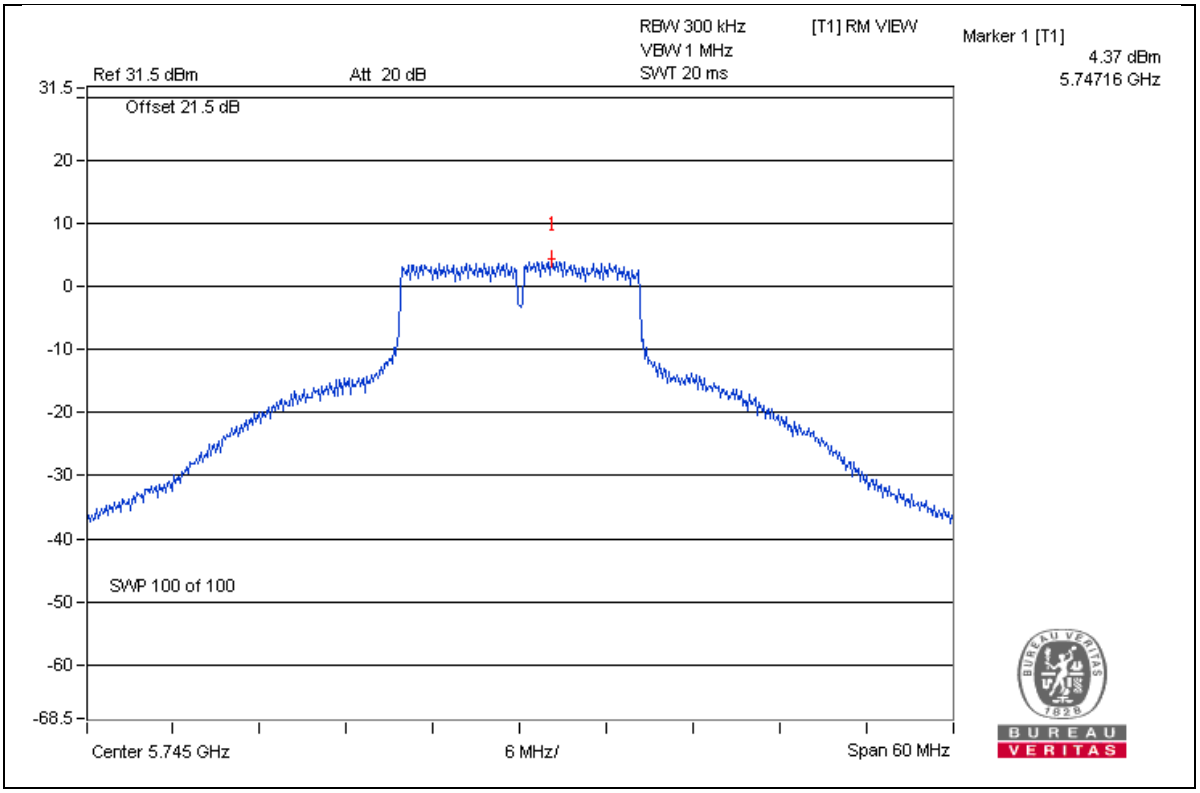
802.11ac (VHT80)

TX chain	Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor		10 log (N=3) dB	Duty Factor (dB)	Total PSD With Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
			(dBm/300kHz)	(dBm/500kHz)					
0	155	5775	-6.21	-3.99	4.77	0.17	0.95	30.00	Pass
1	155	5775	-5.42	-3.20	4.77	0.17	1.74	30.00	Pass
2	155	5775	-5.65	-3.43	4.77	0.17	1.51	30.00	Pass

Note: 1. Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

2. Refer to section 3.3 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



For U-NII-2A & UNII-2C:

操作模式	發射	測試日期	105 年 11 月 16 日
量測場地溫度	24℃	量測場地濕度	62%RH
測試者	林俊鈞		

CDD Mode

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)			Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2			
52	5260	6.50	4.93	6.46	10.79	11.00	Pass
60	5300	5.76	5.28	6.72	10.73	11.00	Pass
64	5320	5.70	5.68	6.70	10.82	11.00	Pass
100	5500	6.17	5.83	6.02	10.78	11.00	Pass
120	5600	6.55	6.47	5.54	10.98	11.00	Pass
140	5700	6.28	6.09	5.40	10.71	11.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For UNII-2A: Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

3. For UNII-2C: Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

Beamforming Mode

802.11ac (VHT20)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)			Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2			
52	5260	5.62	6.18	6.30	10.81	11.00	Pass
60	5300	5.17	6.05	7.17	10.98	11.00	Pass
64	5320	5.11	5.51	7.25	10.83	11.00	Pass
100	5500	5.87	6.03	6.67	10.98	11.00	Pass
120	5600	5.73	6.54	6.23	10.95	11.00	Pass
140	5700	5.99	6.59	5.80	10.91	11.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For UNII-2A: Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

3. For UNII-2C: Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

802.11ac (VHT40)

Chan.	Chan. Freq. (MHz)	PSD (dBm/MHz)			Total Power Density (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2			
54	5270	3.11	2.87	4.21	8.21	11.00	Pass
62	5310	2.43	2.51	4.09	7.85	11.00	Pass
102	5510	2.11	2.40	1.10	6.68	11.00	Pass
118	5590	2.99	3.56	4.19	8.38	11.00	Pass
134	5670	3.47	3.79	2.36	8.02	11.00	Pass

Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For UNII-2A: Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

3. For UNII-2C: Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

802.11ac (VHT80)

Chan.	Chan. Freq. (MHz)	PSD W/O Duty Factor (dBm/MHz)			Duty Factor (dB)	Total PSD With Duty Factor (dBm/MHz)	MAX. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2				
58	5290	-1.64	-0.94	-0.43	0.19	3.99	11.00	Pass
106	5530	-1.33	-0.23	0.00	0.19	4.48	11.00	Pass
122	5610	-0.14	0.43	0.70	0.19	5.31	11.00	Pass

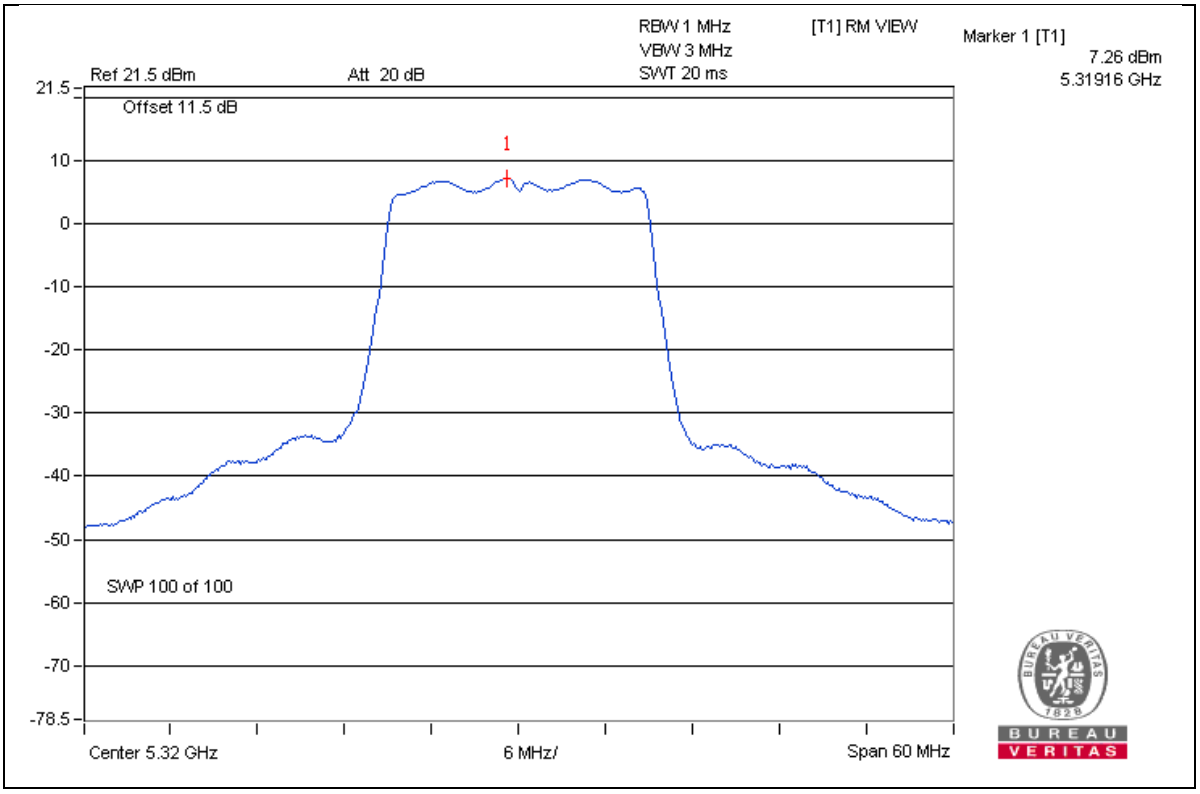
Note: 1. Method a) of power density measurement of KDB 662911 is using for calculating total power density. Total power density is summing entire spectra across corresponding frequency bins on the various outputs by computer.

2. For UNII-2A: Directional gain = 5.95dBi < 6dBi, so the power density limit shall not be reduced.

3. For UNII-2C: Directional gain = 5.98dBi < 6dBi, so the power density limit shall not be reduced.

4. Refer to section 2.1 for duty cycle spectrum plot

**此測試圖僅放測試結果最差的頻道。



12.6 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

13 6 dB 頻寬之要求

13.1 適用標準

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

13.2 量測方法

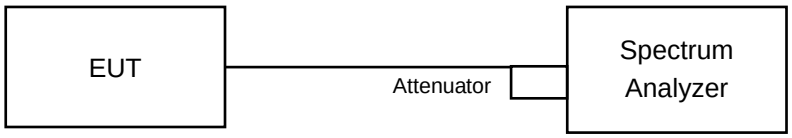
a) 將待測物輸出經由衰減器接到頻譜分析儀上。
b) 設定待測物處於連續發射狀態。
c) 計算由最大輸出功率峰值減6dB的最大頻率範圍。

13.3 量測儀器

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	CALIBRATED DATE	CALIBRATED UNTIL
Spectrum Analyzer R&S	FSP40	100060	May 11, 2016	May 10, 2017

NOTE: 1. The test was performed in Oven room 2.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

13.4 測試配置



13.5 量測結果

操作模式	發射	測試日期	105 年 10 月 08 日
量測場地溫度	25℃	量測場地濕度	60%RH
測試者	鄭又瑋		

CDD Mode

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
149	5745	16.39	16.41	16.38	0.5	PASS
157	5785	16.41	16.40	16.39	0.5	PASS
165	5825	16.40	16.40	16.41	0.5	PASS

Beamforming Mode

802.11ac (VHT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
149	5745	17.63	17.67	17.65	0.5	PASS
157	5785	17.62	17.65	17.64	0.5	PASS
165	5825	17.63	17.66	17.63	0.5	PASS

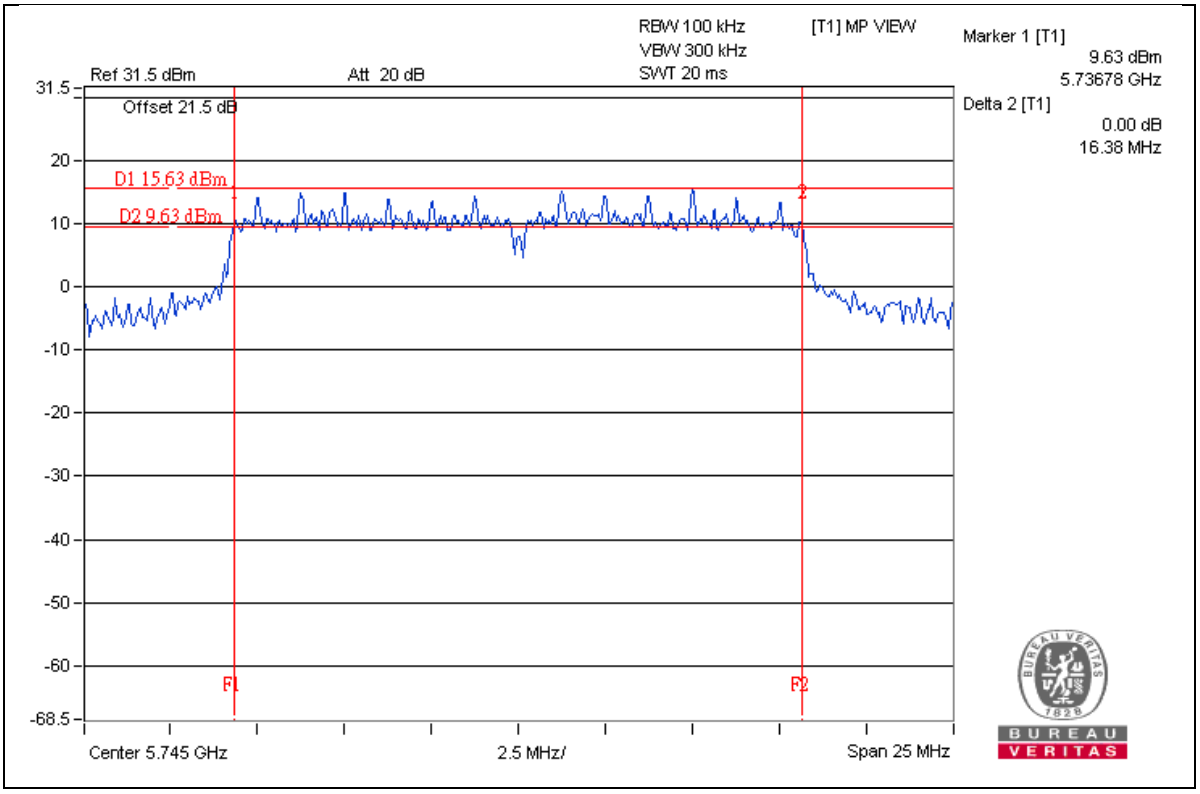
802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
151	5755	36.48	36.50	36.44	0.5	PASS
159	5795	36.44	36.47	36.46	0.5	PASS

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)			Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2		
155	5775	76.10	75.99	76.02	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，符合低功率射頻電機技術規範之要求。

14 電波暴露量之評估

14.1 適用標準

請見本報告 3.1 節第 12 項的規定。

14.2 評估方法

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

b) Pd = (Pout*G) / (4*pi*r^2)

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 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

WLAN:

Frequency (MHz)	Max Power (dBm)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
2412-2462	27.49	560.898	5.65	23	0.30990	1
5180-5240	27.66	583.131	5.95	23	0.34522	1
5260-5320	23.33	215.105	5.95	23	0.12735	1
5500-5700	23.51	224.591	5.98	23	0.13388	1
5745-5825	29.61	913.29	5.98	23	0.54443	1

CONCULSION:

Both of the WLAN 2.4G & WLAN 5G can transmit simultaneously, the formula of calculated the MPE is:
CPD1 / LPD1 + CPD2 / LPD2 + ……etc. < 1
CPD = Calculation power density
LPD = Limit of power density

WLAN 2.4GHz + WLAN 5GHz = 0.30990 / 1 + 0.54443 / 1 = 0.85433

Therefore, the maximum calculation of this situation is 0.219, which is less than the “1” limit.

15 Radiated Out of Band Emisison (OOBE) Measurement (For U-NII-3 Band)

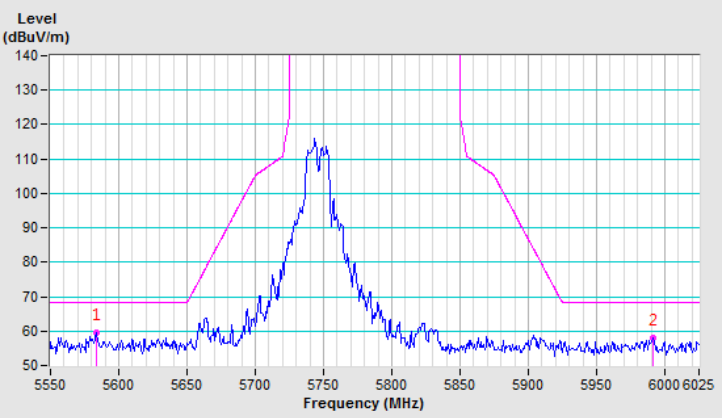
802.11a

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度 ：	23℃	量測場地濕度 ：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5583.25	59.4 PK	68.2	-8.8	1.07 H	171	57.1	2.3
2	#5991.75	58.1 PK	68.2	-10.1	1.07 H	171	54.8	3.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

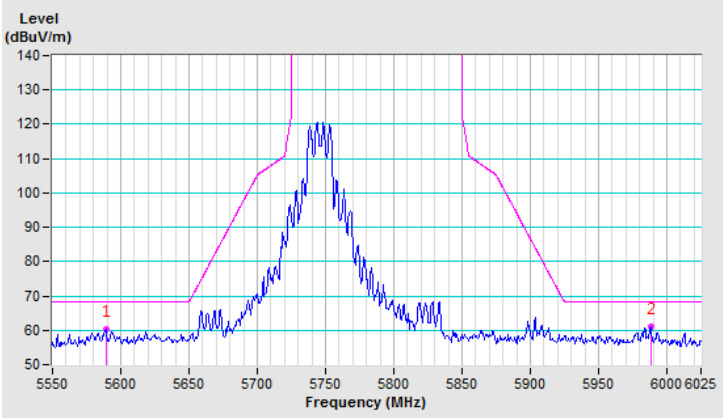


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5588.95	60.2 PK	68.2	-8.0	1.78 V	6	57.9	2.3
2	#5988.43	61.2 PK	68.2	-7.0	1.78 V	6	57.9	3.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

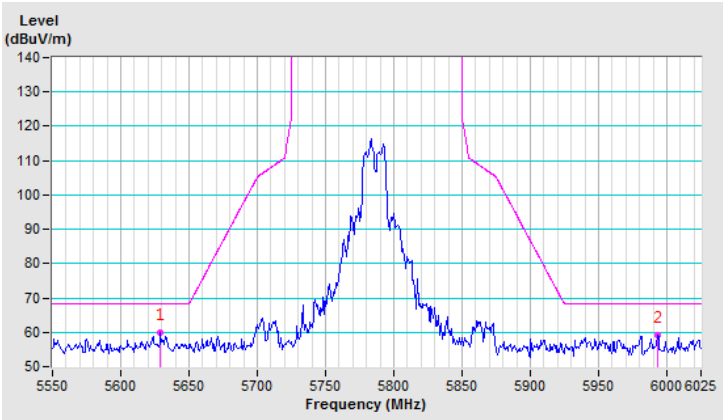


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5628.85	60.0 PK	68.2	-8.2	1.02 H	167	57.5	2.5
2	#5993.65	59.0 PK	68.2	-9.2	1.02 H	167	55.7	3.3

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

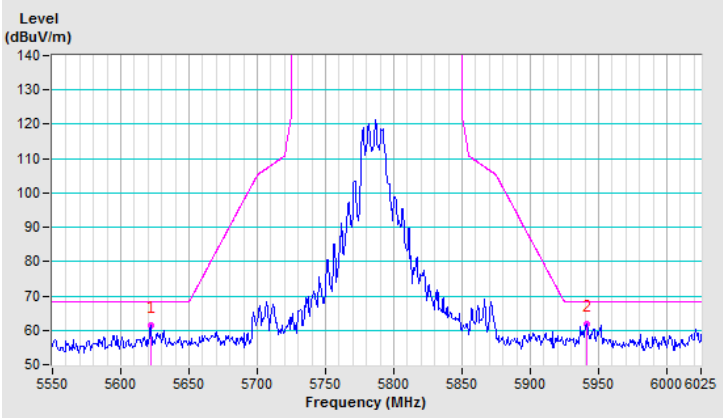


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5621.73	61.4 PK	68.2	-6.8	1.87 V	4	58.9	2.5
2	#5941.40	61.7 PK	68.2	-6.5	1.87 V	4	58.8	2.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

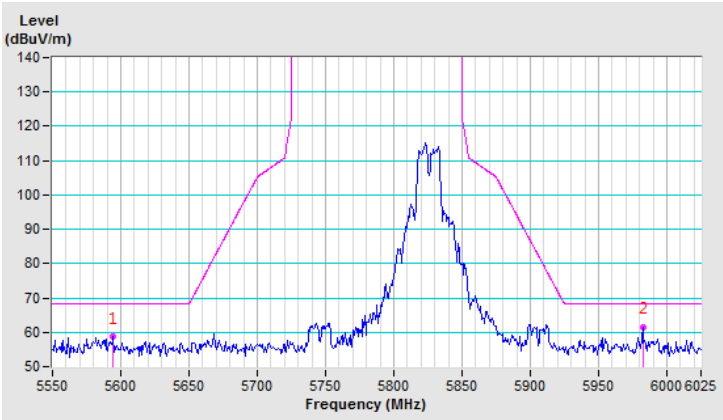


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5594.65	58.6 PK	68.2	-9.6	1.02 H	167	56.3	2.3
2	#5982.25	61.6 PK	68.2	-6.6	1.02 H	167	58.4	3.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

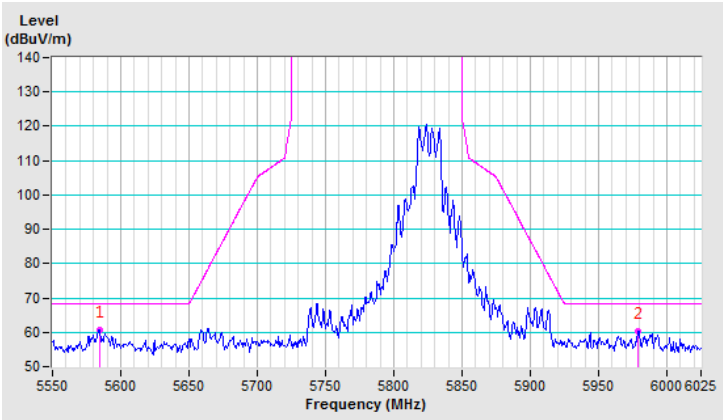


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5584.20	60.7 PK	68.2	-7.5	1.97 V	5	58.4	2.3
2	#5978.93	60.4 PK	68.2	-7.8	1.97 V	5	57.2	3.2

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



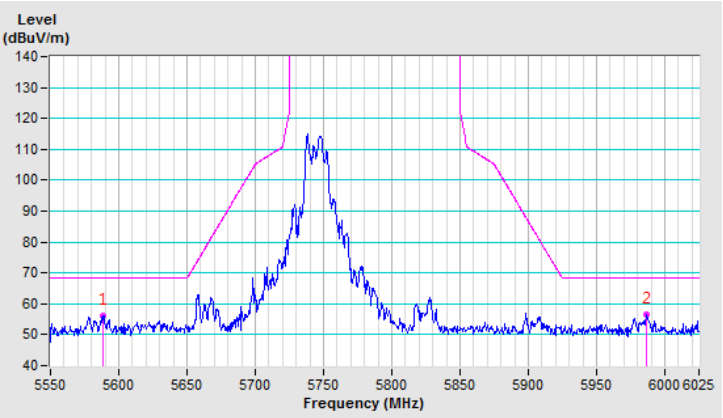
802.11ac (VHT20)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5588.36	56.1 PK	68.2	-12.1	1.07 H	188	51.5	4.6
2	#5986.85	56.5 PK	68.2	-11.7	1.07 H	188	50.9	5.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

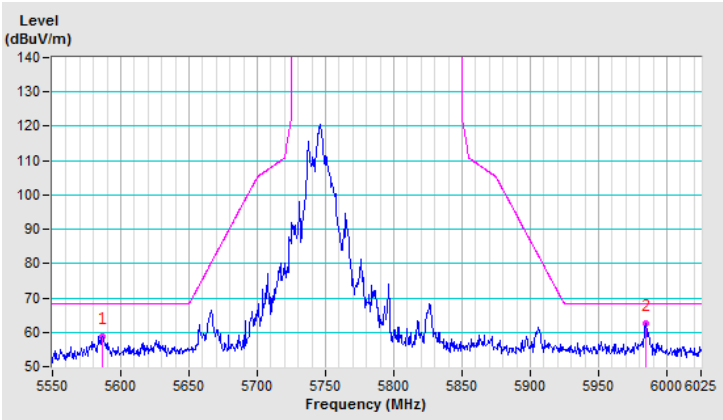


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 149：5745 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5586.29	58.9 PK	68.2	-9.3	1.53 V	140	54.3	4.6
2	#5984.61	62.7 PK	68.2	-5.5	1.53 V	140	57.1	5.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

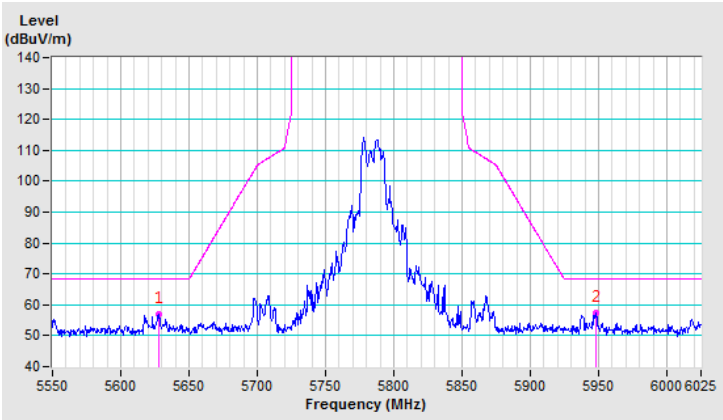


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5628.05	56.9 PK	68.2	-11.3	1.12 H	173	52.2	4.7
2	#5948.42	57.3 PK	68.2	-10.9	1.12 H	173	51.9	5.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

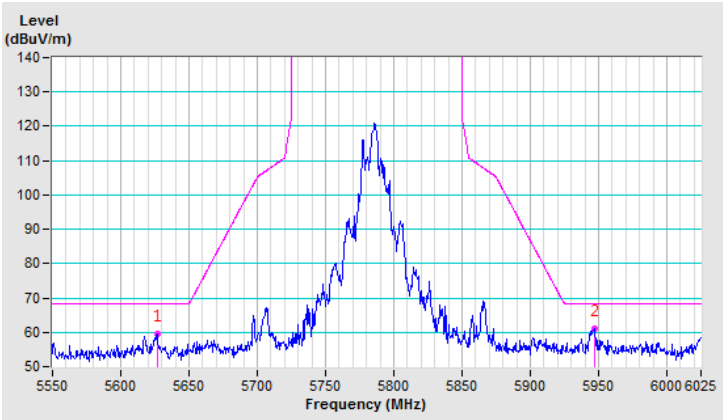


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 157：5785 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5626.61	59.6 PK	68.2	-8.6	1.50 V	142	54.9	4.7
2	#5946.74	61.0 PK	68.2	-7.2	1.50 V	142	55.6	5.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

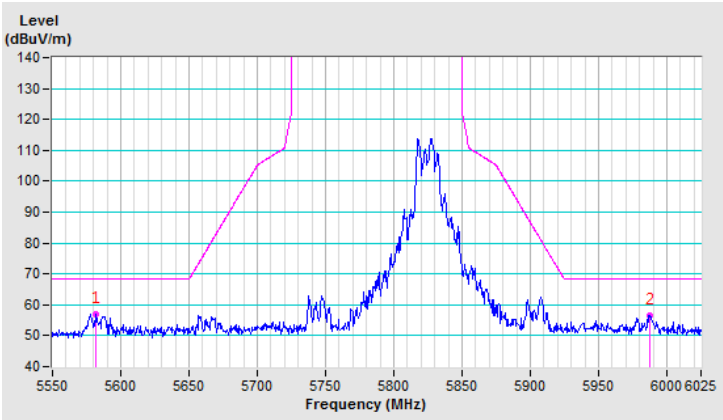


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5582.13	57.1 PK	68.2	-11.1	1.04 H	186	52.5	4.6
2	#5987.52	56.7 PK	68.2	-11.5	1.04 H	186	51.1	5.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

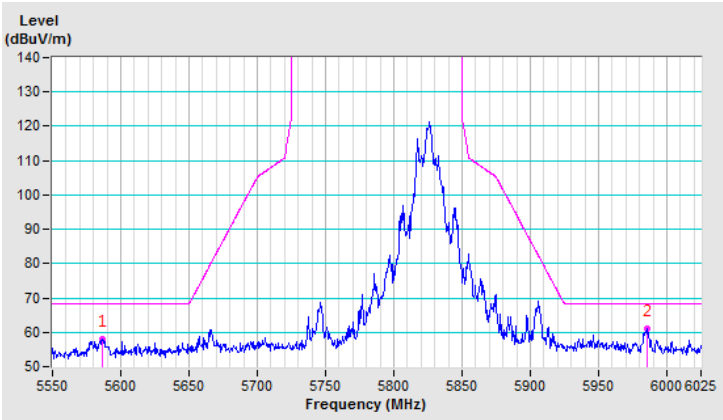


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 165：5825 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5587.01	58.0 PK	68.2	-10.2	1.54 V	125	53.4	4.6
2	#5985.95	61.0 PK	68.2	-7.2	1.54 V	125	55.4	5.6

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



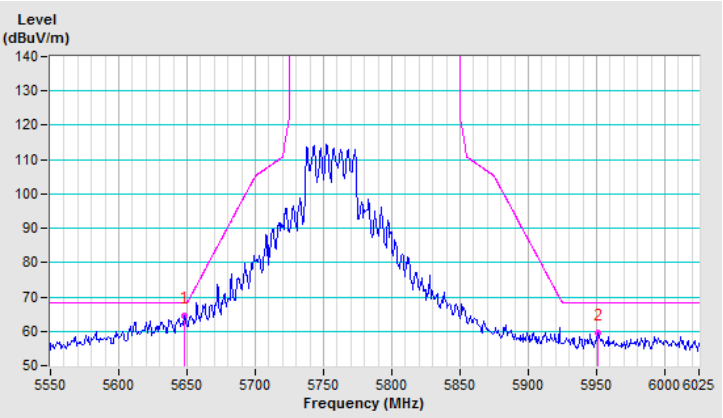
802.11ac (VHT40)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 151：5755 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5647.85	64.5 PK	68.2	-3.7	1.04 H	168	62.0	2.5
2	#5951.37	59.4 PK	68.2	-8.8	1.04 H	168	56.4	3.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

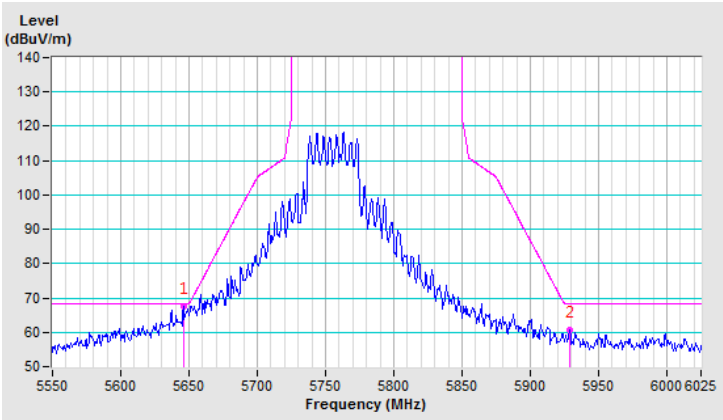


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 151：5755 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5645.95	67.4 PK	68.2	-0.8	1.95 V	5	64.9	2.5
2	#5929.05	60.5 PK	68.2	-7.7	1.95 V	5	57.6	2.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

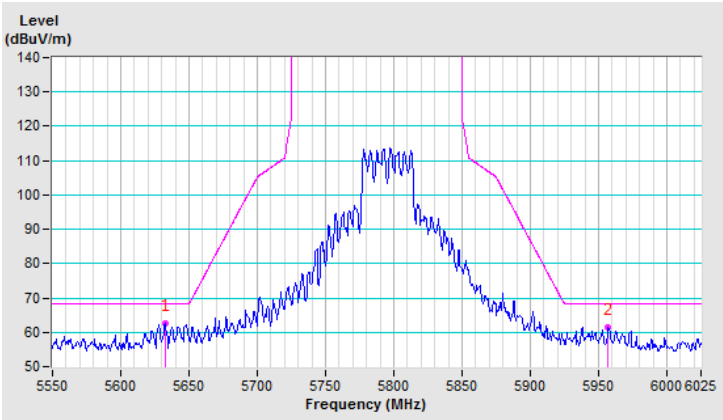


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 159：5795 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5632.65	62.5 PK	68.2	-5.7	1.07 H	168	60.0	2.5
2	#5957.07	61.5 PK	68.2	-6.7	1.07 H	168	58.5	3.0

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

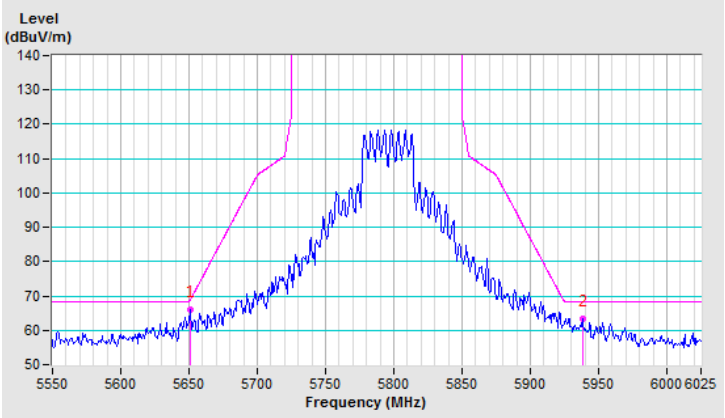


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 159：5795 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	64%RH
測 試 日 期 ：	105 年 9 月 22 日	測 試 者 ：	鄭樹營

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5650.70	65.9 PK	68.7	-2.8	1.96 V	5	63.4	2.5
2	#5938.07	63.2 PK	68.2	-5.0	1.96 V	5	60.3	2.9

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



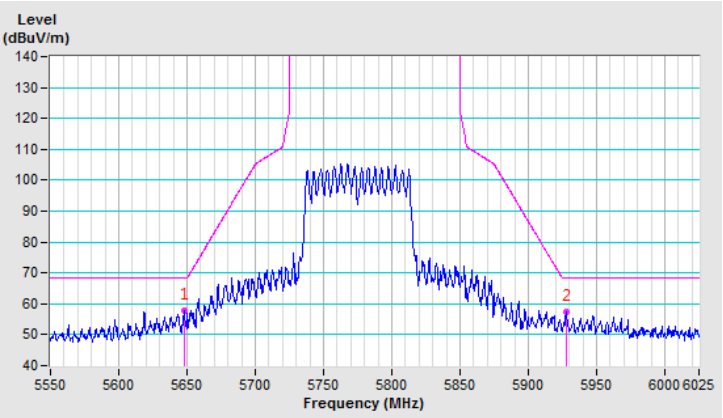
802.11ac (VHT80)

操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 155：5775 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5647.67	58.0 PK	68.2	-10.2	1.06 H	176	53.2	4.8
2	#5927.45	57.5 PK	68.2	-10.7	1.06 H	176	52.1	5.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.

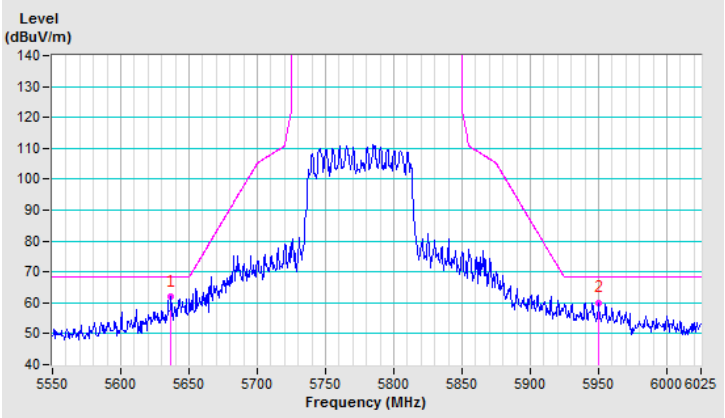


操 作 模 式 ：	發射	調 變 技 術 ：	OFDM
基 本 波 頻 率 ：	CH 155：5775 MHz	測 試 儀 器 ：	(PK) RB=1MHz, VB=3MHz
量測場地溫度：	23℃	量測場地濕度：	65%RH
測 試 日 期 ：	106 年 10 月 4 日	測 試 者 ：	陳志毅

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	#5636.53	61.9 PK	68.2	-6.3	2.56 V	134	57.1	4.8
2	#5950.39	59.9 PK	68.2	-8.3	2.56 V	134	54.5	5.4

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. " # ": The radiated frequency is out of the restricted band.



16 檢測實驗室基本資料

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

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室 ：
Tel: 886-2-26052180
Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室 ：
Tel: 886-3-6668565
Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室:
Tel: 886-3-3183232
Fax: 886-3-3270892

Email:service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

您也可以在我們的網站內找到各實驗室的地圖。

---END---