

低功率射頻電機技術規範測試報告

報告編號	RT171005D11E
申請者	網件有限公司
產品名稱	AC1750 無線路由器
型號	R6350
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 10 日修訂
試驗結果	合格

香港商立德國際商品試驗有限公司桃園分公司

日期 107 年 8 月 7 日

報告簽署人簽章:

賴正軒



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報告發行紀錄

Issue No.	Description	Date Issued
RT171005D11E	Original release.	107 年 8 月 7 日

證 明 書

發行日期：107 年 8 月 7 日

產 品 名 稱：AC1750 無線路由器
商 標：NETGEAR
型 號：R6350
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一組(型號：R6350)，收件日期 106 年 10 月 5 日，於 106 年 10 月 31 日至 106 年 12 月 11 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：



張嘉宴 / 高級專員

， 日 期：

107 年 8 月 7 日

審 核 者：



賴正軒 / 技術副理

， 日 期：

107 年 8 月 7 日

香港商立德國際商品試驗有限公司桃園分公司

實驗室地址：新北市林口區嘉寶里 14 鄰 47-2 號

此份報告不得摘錄複製，除全份複製外，需經實驗室書面同意。



1 低功率射頻電機量測記錄表

申請廠商：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 無線路由器

型號：R6350

量測單位名稱：香港商立德國際商品試驗有限公司桃園分公司 林口實驗室

量測單位地址：新北市林口區嘉寶里14鄰47-2號

量測單位認可編號：TAF 2021 (9kHz~40GHz)

量測規範：
低功率射頻電機技術規範 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
4	6 dB 頻寬	低功率射頻電機技術規範 3.10.1.6 節	合格
5	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
6	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 5.725~5.850GHz 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 無線路由器
型號：	R6350
額定電源：	12Vdc from 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: 11.0/ 5.5/ 2.0/ 1.0Mbps 802.11g: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps 802.11n: up to 600Mbps 802.11ac: up to 1733Mbps
載波頻率：	2.4GHz: 2412 ~ 2462MHz 5.0GHz: 5180 ~ 5240MHz, 5745 ~ 5825MHz
頻道數：	2.4GHz: 802.11b, 802.11g, 802.11n (20MHz): 11 802.11n (40MHz): 7 5180 ~ 5240MHz 4 for 802.11a, 802.11n (20MHz), 802.11ac (20MHz) 2 for 802.11n (40MHz), 802.11ac (40MHz) 1 for 802.11ac (80MHz) 5745 ~ 5825MHz 5 for 802.11a, 802.11n (20MHz), 802.11ac (20MHz) 2 for 802.11n (40MHz), 802.11ac (40MHz) 1 for 802.11ac (80MHz)
發射功率(電場強度)：	2.4GHz: 27.73dBm 5180 ~ 5240MHz: 28.60dBm 5745 ~ 5825MHz: 29.19dBm
天線種類：	見註
電源線類別：	見註
信號線類別：	N/A
配件：	Adapter

註 1: 此待測物之技術的種類為4Tx / 4Rx之組合。

Modulation Mode	Tx Function
802.11b	2TX
802.11g	2TX
802.11n (20MHz)	2TX
802.11n (40MHz)	2TX
802.11a	4TX
802.11n (20MHz)	4TX
802.11n (40MHz)	4TX
802.11ac (20MHz)	4TX
802.11ac (40MHz)	4TX
802.11ac (80MHz)	4TX

註 2: 此待測設備搭配測試的天線，其資料如下：

For 2.4GHz:

Frequency Band (MHz)	Chain No.	天線型式	商標	P/N	增益(dBi)	接頭型式
2412-2462	Chain 0	Dipole	WNC	90VEAF15.G01	2.61	I-PEX
	Chain 1	Dipole	WNC	90VEAF15.G02	3.15	I-PEX

The directional gain table:

Frequency (MHz)	Max. Gain (dBi)
2412-2462	5.89
(i) If transmit signals are <i>correlated</i>, then $\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{\text{ANT}}] \text{ dBi}$ [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]	

For 5GHz

Frequency Band (MHz)	Chain No.	天線型式	商標	型號	增益 (dBi)	接頭型式
5180-5240	Chain 0	PIFA	WNC	90VEAF15.G04	4.56	N/A
	Chain 1	Dipole	WNC	90VEAF15.G01	3.92	I-PEX
	Chain 2	Dipole	WNC	90VEAF15.G02	5.21	I-PEX
	Chain 3	Dipole	WNC	90VEAF15.G03	5.25	I-PEX
5745-5825	Chain 0	PIFA	WNC	90VEAF15.G04	4.67	N/A
	Chain 1	Dipole	WNC	90VEAF15.G01	4.06	I-PEX
	Chain 2	Dipole	WNC	90VEAF15.G02	3.49	I-PEX
	Chain 3	Dipole	WNC	90VEAF15.G03	3.13	I-PEX

The directional gain table:

Frequency (MHz)	Max. Gain (dBi)
5180-5240	6.92
5745-5825	7.28

The directional gain info are from operation description of antenna specifications exhibit, which calculate by each degrees (15 degrees/step) to find worst case antenna configuration and define directional gain.

The directional antenna gain information is declared by manufacturer and more detailed features description please refer to operation description of antenna specifications exhibit.

註 3: 此待測設備搭配使用之電源供應器規格如下：

Brand	NETGEAR
Model	2ABB018F 1 NA
P/N	332-10928-01
AC Input Power	100-240V, 50/60Hz, 0.6A
DC Output Power	12.0V, 1.5A
Plug Type	US Plug
Cable	Non-shielded DC cable (1.8m)

註 4: 此報告中，場強輻射量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, 2, 6, 10, 11 802.11g: Ch 1, 2, 6, 10, 11 802.11n (20MHz): Ch 1, 2, 6, 10, 11 802.11n (40MHz): Ch 3, 4, 6, 8, 9	802.11g: Ch 6
其它不必要之訊號	802.11g: Ch 6	
5180 ~ 5240MHz, 5745 ~ 5825MHz		
1GHz 以上量測	CDD Mode 802.11a: Ch 36, 40, 48, 149, 157, 165 802.11ac (20MHz): Ch 36, 40, 48, 149, 157, 165 802.11ac (40MHz): Ch 38, 46, 151, 159 802.11ac (80MHz): Ch 42, 155 Beamforming Mode 802.11ac (20MHz): Ch 36, 40, 48, 149, 157, 165 802.11ac (40MHz): Ch 38, 46, 151, 159 802.11ac (80MHz): Ch 42, 155	802.11a: Ch 40
其它不必要之訊號	802.11a: Ch 40	

註 5: 此報告中For WLAN 5GHz頻段，峰值傳導輸出功率量測，以CDD Mode和Beamforming Mode分別進行測試並記錄最終量測結果於報告中。其峰值傳導輸出功率量測之外的測試項目僅以CDD Mode進行測試，並記錄最終量測結果於報告中

註 6: 此報告中傳輸模式，場強輻射量測及電源線傳導干擾量測之外的測試項目，以DSSS調變技術和OFDM調變技術分別進行測試並記錄最終量測結果於報告中。

註 7: 此待測設備，經評估經評估兩個正交軸方位評估測試擺設方式：平躺、垂直，其中以**平躺**擺放擁有最大干擾值，故以此擺放方式進行最終量測，並將測試結果紀錄。

註 8: Duty cycle of test signal.

2.4GHz频段

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

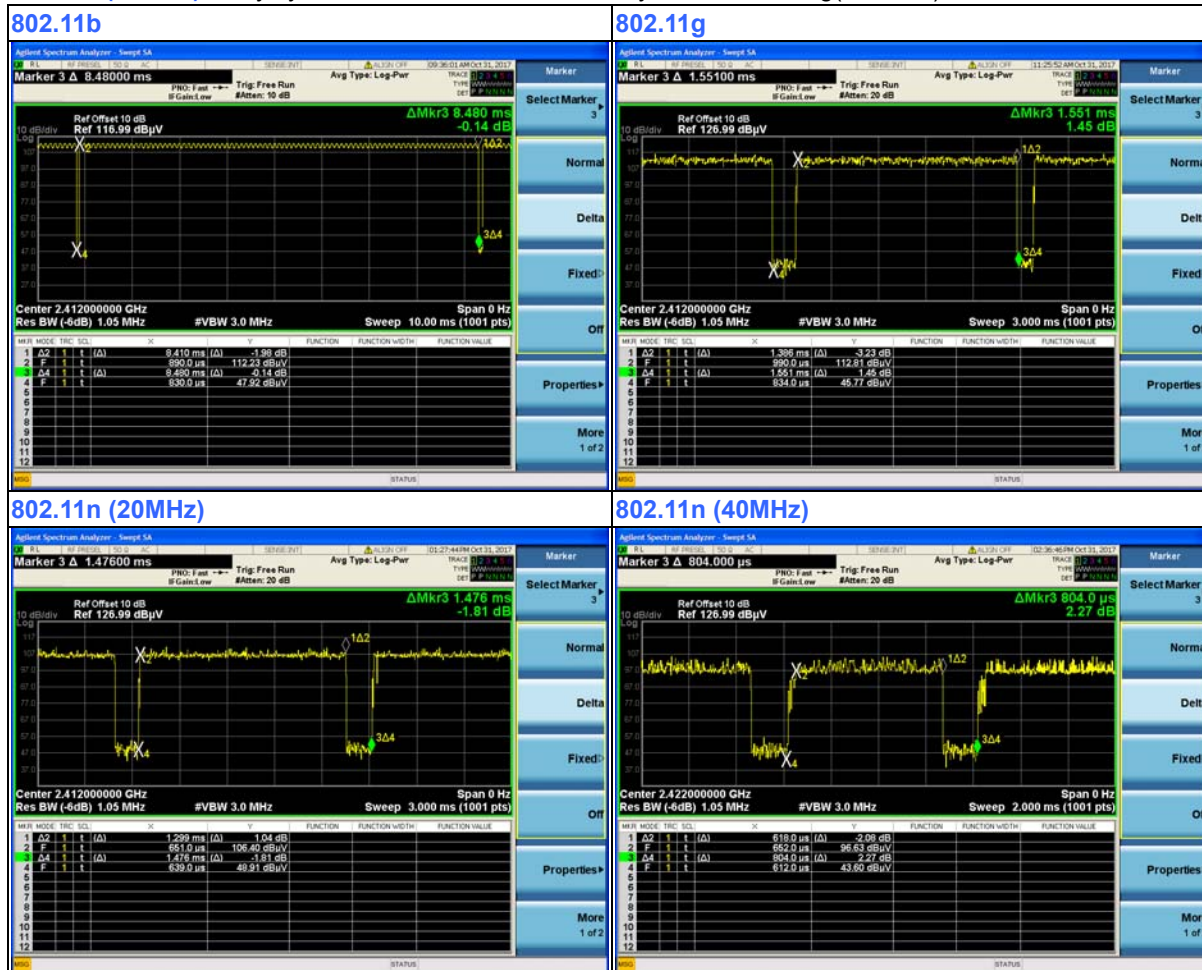
If duty cycle of test signal is $< 98\%$, duty factor shall be considered.

802.11b: Duty cycle = Duty cycle of test signal is $> 98\%$.

802.11g: Duty cycle = $1.386/1.551 = 0.894$, Duty factor = $10 * \log(1/0.894) = 0.49$

802.11n (20MHz): Duty cycle = $1.299/1.476 = 0.880$, Duty factor = $10 * \log(1/0.880) = 0.56$

802.11n (40MHz): Duty cycle = $0.618/0.804 = 0.769$, Duty factor = $10 * \log(1/0.769) = 1.14$



5GHz 频段

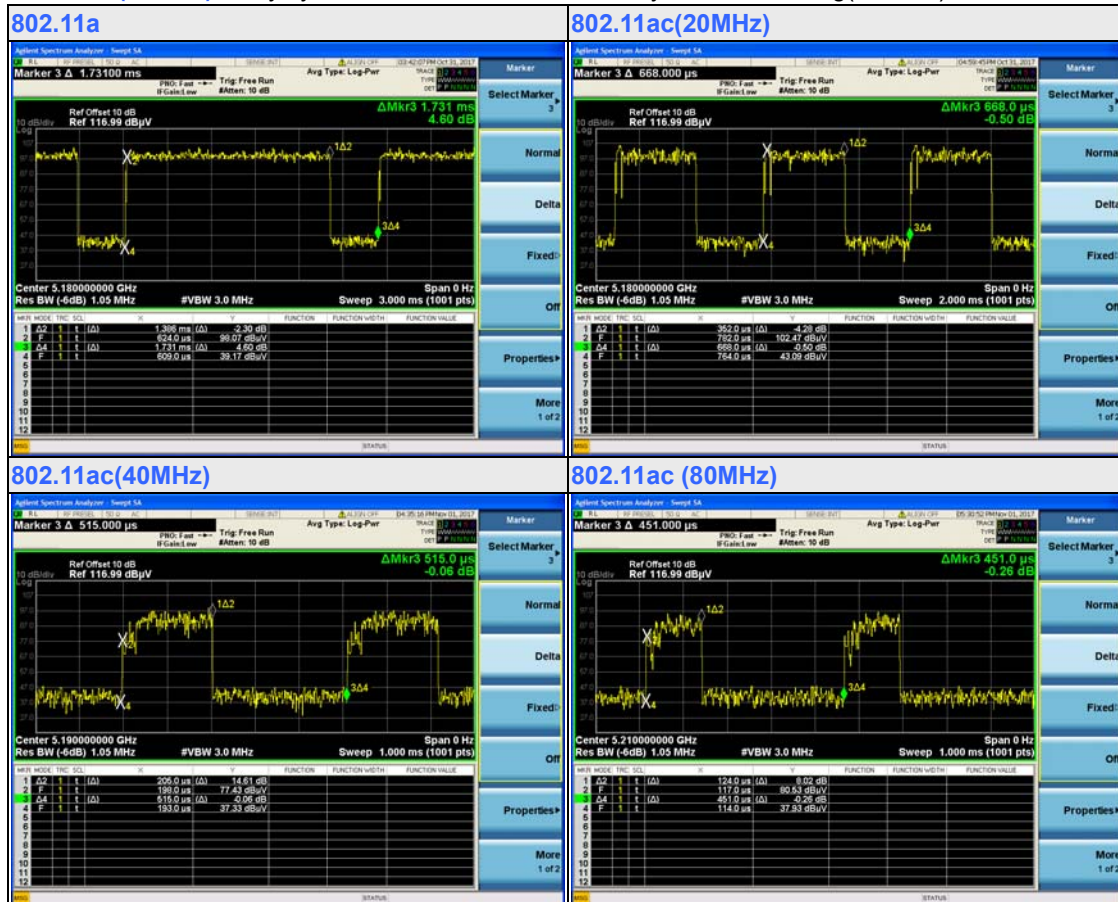
Duty cycle of test signal is < 98 %, duty factor is required

802.11a: Duty cycle = $1.386/1.731 = 0.801$, Duty factor = $10 * \log(1/0.801) = 0.97$

802.11ac (20MHz): Duty cycle = $0.352/0.668 = 0.527$, Duty factor = $10 * \log(1/0.527) = 2.78$

802.11ac (40MHz): Duty cycle = $0.205/0.515 = 0.398$, Duty factor = $10 * \log(1/0.398) = 4.00$

802.11ac (80MHz): Duty cycle = $0.124/0.451 = 0.275$, Duty factor = $10 * \log(1/0.275) = 5.61$



此裝置各頻道的中心頻率如下：

2.4 GHz 頻段：

802.11b, 802.11g, 802.11n (20MHz):

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 (40MHz):

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 (20MHz), 802.11ac (20MHz):

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

802.11n (40MHz), 802.11ac (40MHz):

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

802.11ac (80MHz):

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

詳細之規格請參考使用說明書，產品的照片請參照 BV 報告編號: 180726D10-1。

2.2 輔助測試之週邊設備描述

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

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	NOTEBOOK PC	DELL	PP27L	8SNZ12S	FCC DoC Approved	Provided by Lab

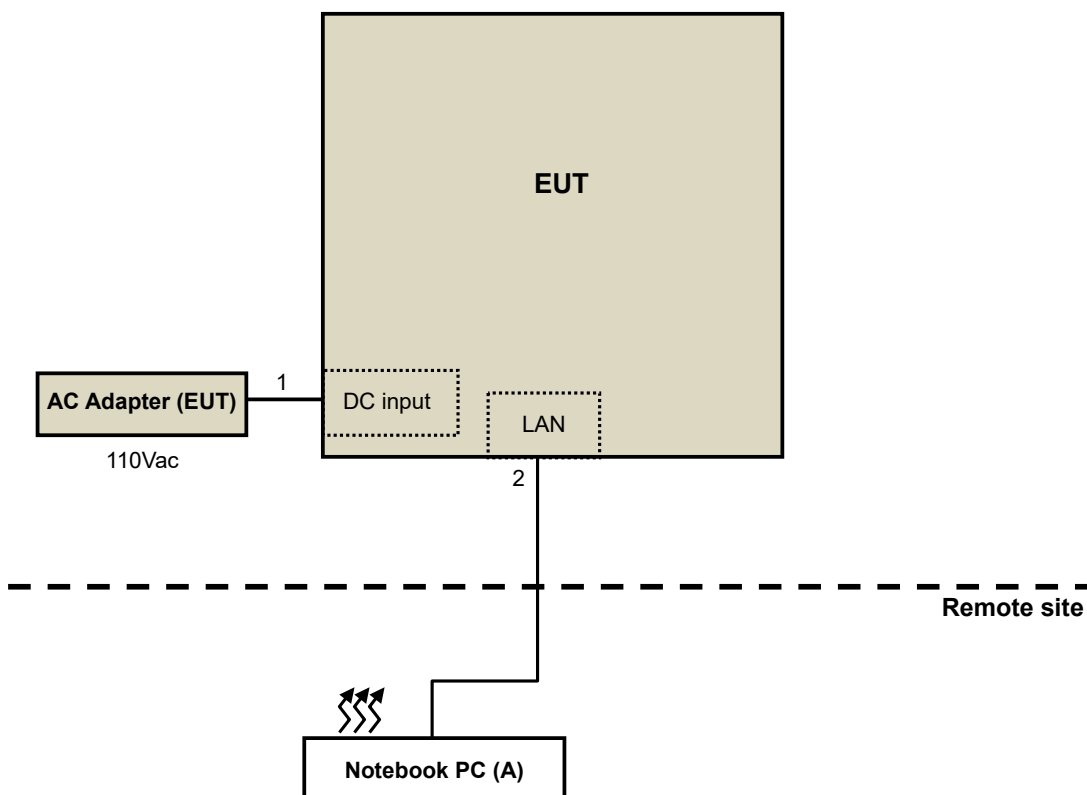
Note:

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

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	DC cable	1	1.8	N	0	Supplied by client
2.	LAN cable	1	10	N	0	Provided by Lab

Note: The core(s) is(are) originally attached to the cable(s).

2.3 測試架構圖



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。

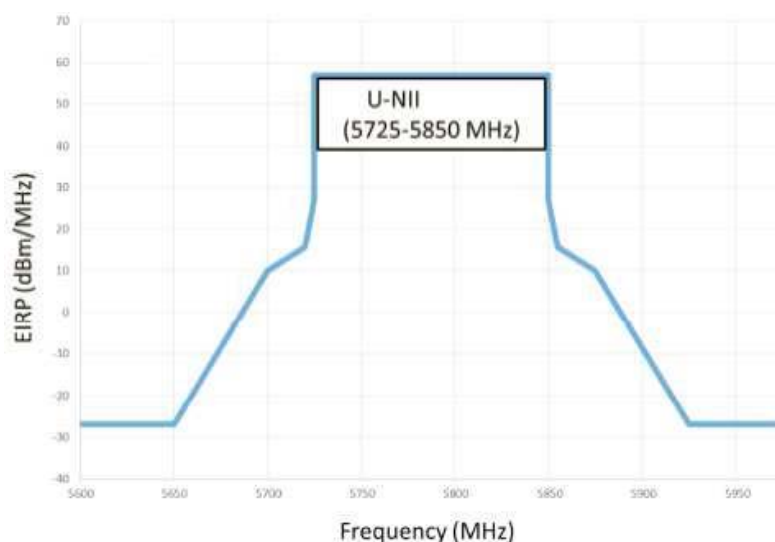


圖 1

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= $10\log(\text{天線陣列之單元數目}) + \text{各單元中最高之方向性增益值}$ 。
 - (ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。
 - (b) 同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加8 dB。方向性增益值計算同(a)。
 - (c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

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

(II) 操作於 5.15 GHz~5.25 GHz 頻段：

- (A) 供戶外操作使用：使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。在水平面仰角超過30 度時，其最大EIRP 應小於或等於21 dBm。
- (B) 供室內操作使用：使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。
- (C) 供固定式點對點操作使用：使用超過23 dBi方向增益之指向性天線時，應依超過23 dBi天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。
- (D) 供用戶端裝置(Client Device)操作使用：使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

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

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

(IV) 操作於 5.725 GHz~5.850 GHz 頻段:

- (A) 供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。
- (B) 除(A)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(5) 6dB 頻寬之要求

(I) 操作於 2400 MHz~2483.5 MHz 頻段：

對使用數位調變技術(digital modulation techniques)系統之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範 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

量測頻率 9kHz ~ 30MHz :

將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態。接收天線置於3米外離地1米的高度。測試桌面要360度旋轉，另外接收天線也要分別設置為Open軸性(Loop antenna面向EUT)與Close軸性(Loop antenna與EUT垂直)與 ground-parallel軸性(Loop antenna面向地板) 作量測，以找出最大的輻射電場強度。

量測頻率 30MHz 以上:

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

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

4.3 量測儀器

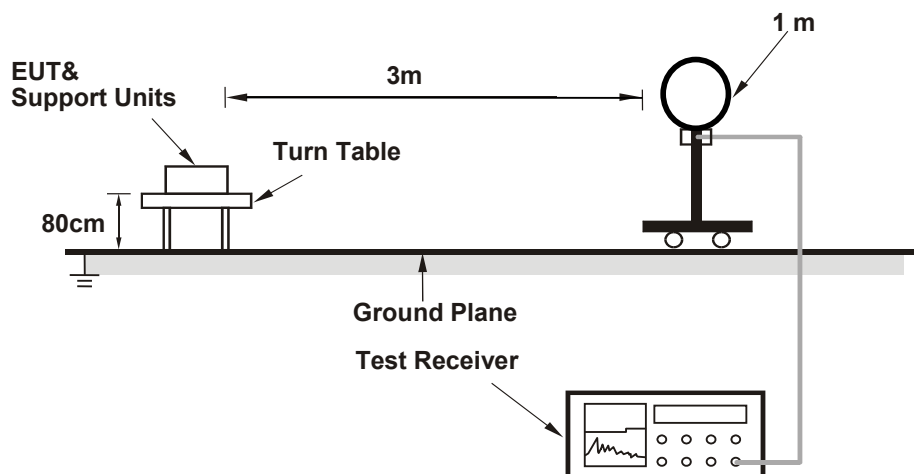
Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
HP Preamplifier	8447D	2432A03504	Feb. 21, 2017	Feb. 20, 2018
HP Preamplifier	8449B	3008A01201	Feb. 22, 2017	Feb. 21, 2018
MITEQ Preamplifier	AMF-6F-260400-33-8P	892164	Feb. 21, 2017	Feb. 20, 2018
Agilent TEST RECEIVER	N9038A	MY51210129	Feb. 8, 2017	Feb. 7, 2018
Schwarzbeck Antenna	VULB 9168	139	Dec. 13, 2016	Dec. 12, 2017
Schwarzbeck Antenna	VHBA 9123	480	May 19, 2017	May 18, 2019
Schwarzbeck Horn Antenna	BBHA-9170	212	Dec. 30, 2016	Dec. 29, 2017
Schwarzbeck Horn Antenna	BBHA 9120-D1	D130	Dec. 27, 2016	Dec. 26, 2017
ADT. Turn Table	TT100	0306	NA	NA
ADT. Tower	AT100	0306	NA	NA
Software	Radiated_V7.6.15.9.5	NA	NA	NA
SUHNER RF cable With 4dB PAD	SF104	CABLE-CH6	Aug. 14, 2017	Aug. 13, 2018
SUHNER RF cable With 3dB PAD	SF102	Cable-CH8-3.6m	Aug. 14, 2017	Aug. 13, 2018
KEYSIGHT MIMO Powermeasurement Test set	U2021XA	U2021XA-001	May 31, 2017	May 30, 2018
KEYSIGHT Spectrum Analyzer	N9030A	MY54490260	Jul. 26, 2017	Jul. 25, 2018
Loop Antenna EMCI	LPA600	270	Aug. 11, 2017	Aug. 10, 2019
EMCO Horn Antenna	3115	00028257	Dec. 15, 2016	Dec. 14, 2017
Highpass filter Wainwright Instruments	WHK 3.1/18G-10SS	SN 8	NA	NA
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 29, 2017	Sep. 28, 2018
Anritsu Power Sensor	MA2411B	0738404	Apr. 24, 2017	Apr. 23, 2018
Anritsu Power Meter	ML2495A	0842014	Apr. 24, 2017	Apr. 23, 2018

- NOTE:** 1. The calibration interval of the above test instruments is 12/24 months. And the calibrations are traceable to NML/ROC and NIST/USA.
2. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
3. The test was performed in Chamber No. 6.
4. The Industry Canada Reference No. IC 7450E-6.
5. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

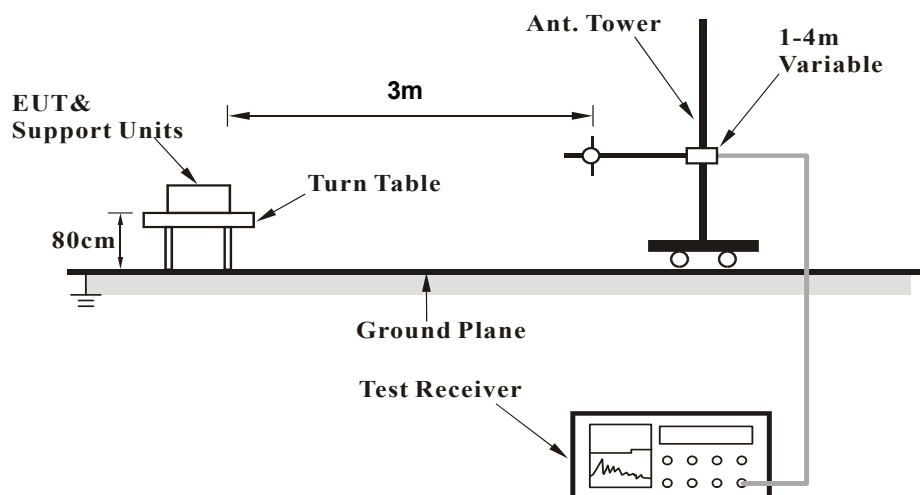
Measurement	Frequency	Uncertainty
Radiated emissions	9kHz ~ 30MHz	±2.38 dB
	30MHz ~ 1GHz	±5.54 dB
	Above 1GHz	±5.48 dB

4.4 測試配置

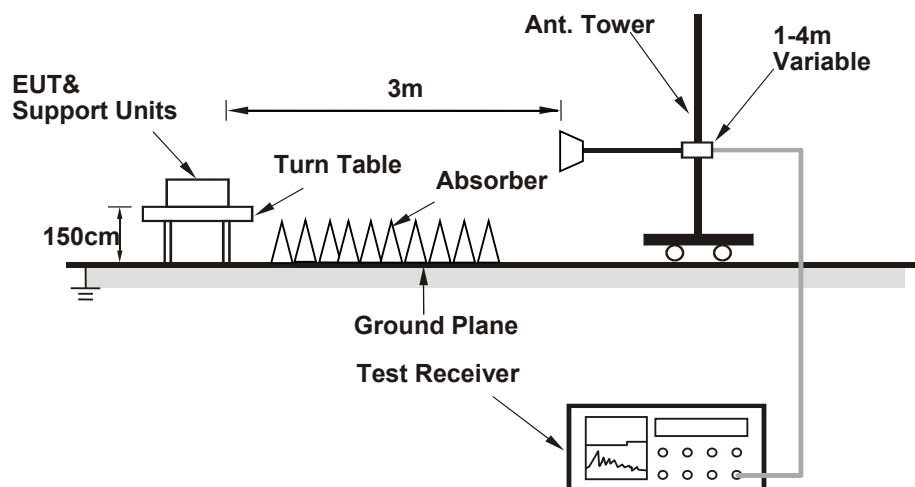
<Frequency Range 9kHz ~ 30MHz>



<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



4.5 場強度之計算

場強之計算公式如下：

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

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

量測結果請見下頁。

4.6 量測結果

4.6.1 發射諧波

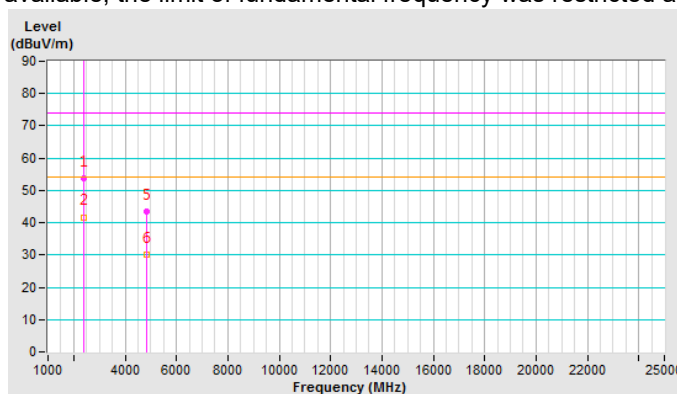
802.11b

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：	28°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	53.79 PK	74.00	-20.21	1.27 H	16	56.10	-2.31
2	2390.00	41.75 AV	54.00	-12.25	1.27 H	16	44.06	-2.31
3	*2412.00	101.18 PK			1.27 H	16	103.35	-2.17
4	*2412.00	98.18 AV			1.27 H	16	100.35	-2.17
5	4824.00	43.34 PK	74.00	-30.66	2.81 H	327	39.18	4.16
6	4824.00	30.19 AV	54.00	-23.81	2.81 H	327	26.03	4.16
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.

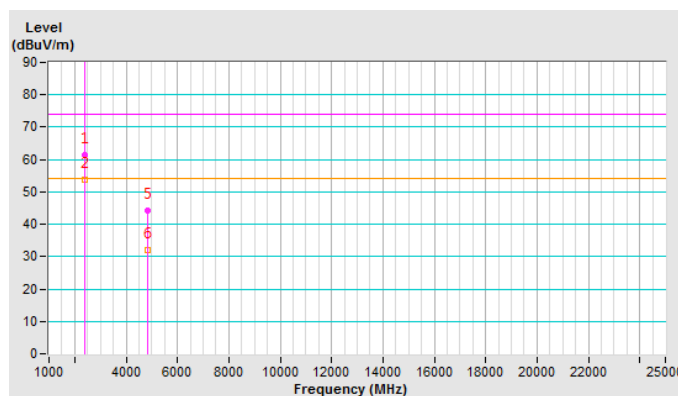


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	61.45 PK	74.00	-12.55	2.01 V	199	63.76	-2.31
2	2390.00	53.72 AV	54.00	-0.28	2.01 V	199	56.03	-2.31
3	*2412.00	110.80 PK			2.01 V	199	112.97	-2.17
4	*2412.00	106.84 AV			2.01 V	199	109.01	-2.17
5	4824.00	44.14 PK	74.00	-29.86	1.24 V	117	39.98	4.16
6	4824.00	31.94 AV	54.00	-22.06	1.24 V	117	27.78	4.16
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.

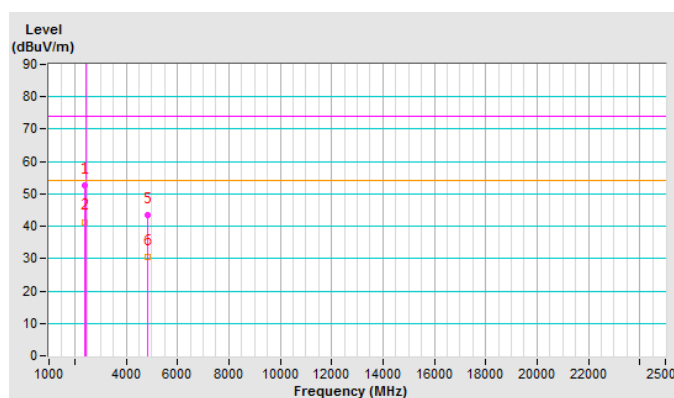


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 2 : 2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28°C	量測場地濕度：	69%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	52.52 PK	74.00	-21.48	1.22 H	83	54.83	-2.31
2	2390.00	41.36 AV	54.00	-12.64	1.22 H	83	43.67	-2.31
3	*2417.00	102.13 PK			1.22 H	83	104.27	-2.14
4	*2417.00	99.05 AV			1.22 H	83	101.19	-2.14
5	4834.00	43.55 PK	74.00	-30.45	2.88 H	347	39.37	4.18
6	4834.00	30.39 AV	54.00	-23.61	2.88 H	347	26.21	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

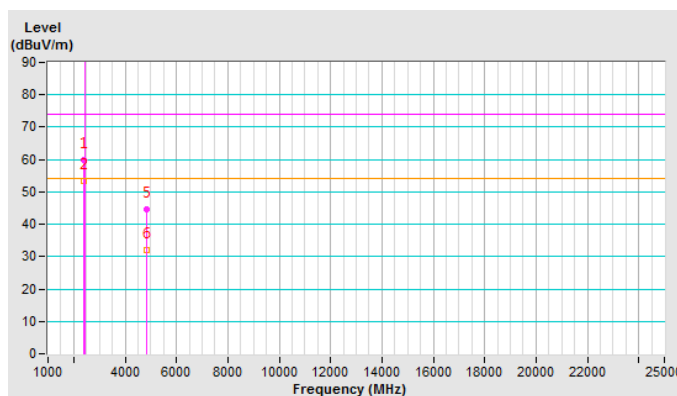


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 2 : 2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	59.83 PK	74.00	-14.17	1.20 V	347	62.14	-2.31
2	2390.00	53.33 AV	54.00	-0.67	1.20 V	347	55.64	-2.31
3	*2417.00	111.75 PK			1.20 V	347	113.89	-2.14
4	*2417.00	107.93 AV			1.20 V	347	110.07	-2.14
5	4834.00	44.46 PK	74.00	-29.54	2.11 V	105	40.28	4.18
6	4834.00	32.01 AV	54.00	-21.99	2.11 V	105	27.83	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.



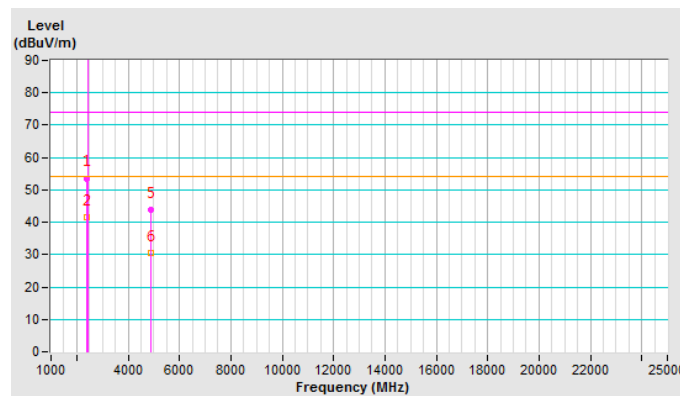
操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	53.58 PK	74.00	-20.42	1.21 H	5	55.89	-2.31
2	2390.00	41.70 AV	54.00	-12.30	1.21 H	5	44.01	-2.31
3	*2437.00	102.82 PK			1.21 H	5	104.83	-2.01
4	*2437.00	99.21 AV			1.21 H	5	101.22	-2.01
5	4874.00	43.68 PK	74.00	-30.32	2.89 H	321	39.43	4.25
6	4874.00	30.54 AV	54.00	-23.46	2.89 H	321	26.29	4.25
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

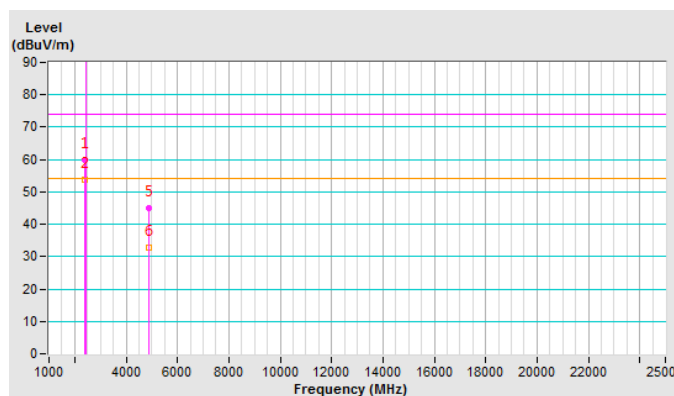


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	59.93 PK	74.00	-14.07	1.18 V	354	62.24	-2.31
2	2390.00	53.70 AV	54.00	-0.30	1.18 V	354	56.01	-2.31
3	*2437.00	112.62 PK			1.18 V	354	114.63	-2.01
4	*2437.00	108.74 AV			1.18 V	354	110.75	-2.01
5	4874.00	45.08 PK	74.00	-28.92	1.22 V	128	40.83	4.25
6	4874.00	32.91 AV	54.00	-21.09	1.22 V	128	28.66	4.25
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

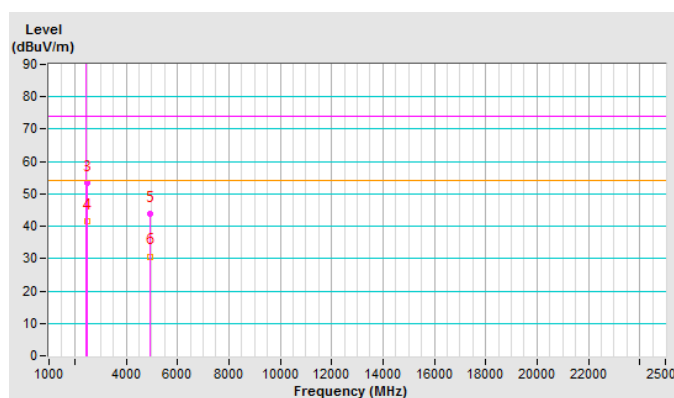


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2457.00	102.45 PK			1.35 H	67	104.32	-1.87
2	*2457.00	99.35 AV			1.35 H	67	101.22	-1.87
3	2483.50	53.46 PK	74.00	-20.54	1.35 H	67	55.17	-1.71
4	2483.50	41.38 AV	54.00	-12.62	1.35 H	67	43.09	-1.71
5	4914.00	43.71 PK	74.00	-30.29	2.81 H	305	39.42	4.29
6	4914.00	30.68 AV	54.00	-23.32	2.81 H	305	26.39	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

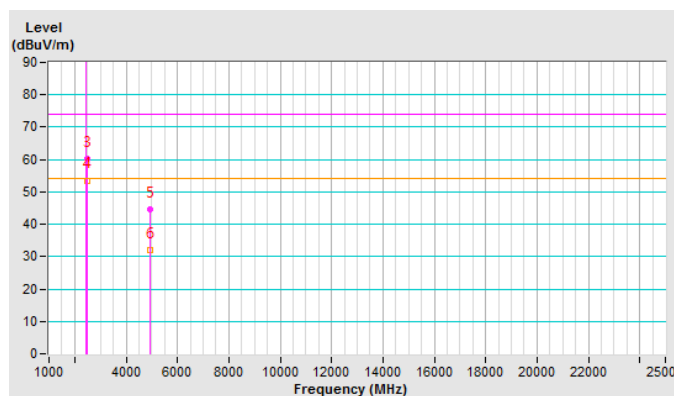


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2457.00	111.95 PK			1.31 V	348	113.82	-1.87
2	*2457.00	108.54 AV			1.31 V	348	110.41	-1.87
3	2483.50	60.17 PK	74.00	-13.83	1.31 V	348	61.88	-1.71
4	2483.50	53.57 AV	54.00	-0.43	1.31 V	348	55.28	-1.71
5	4914.00	44.56 PK	74.00	-29.44	2.29 V	175	40.27	4.29
6	4914.00	32.08 AV	54.00	-21.92	2.29 V	175	27.79	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.



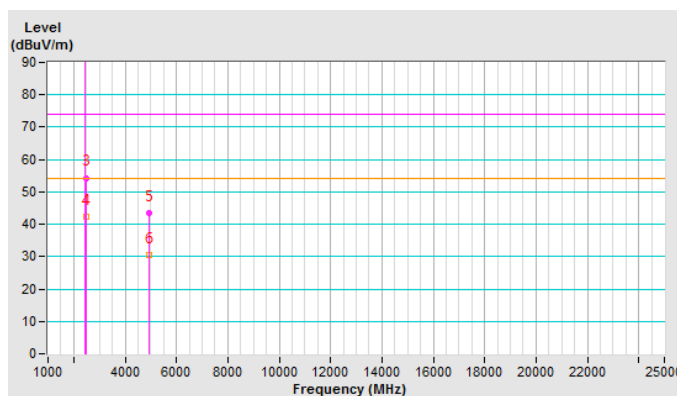
操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	102.04 PK			1.29 H	11	103.89	-1.85
2	*2462.00	99.13 AV			1.29 H	11	100.98	-1.85
3	2483.50	54.32 PK	74.00	-19.68	1.29 H	11	56.03	-1.71
4	2483.50	42.26 AV	54.00	-11.74	1.29 H	11	43.97	-1.71
5	4924.00	43.57 PK	74.00	-30.43	2.97 H	332	39.27	4.30
6	4924.00	30.39 AV	54.00	-23.61	2.97 H	332	26.09	4.30
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

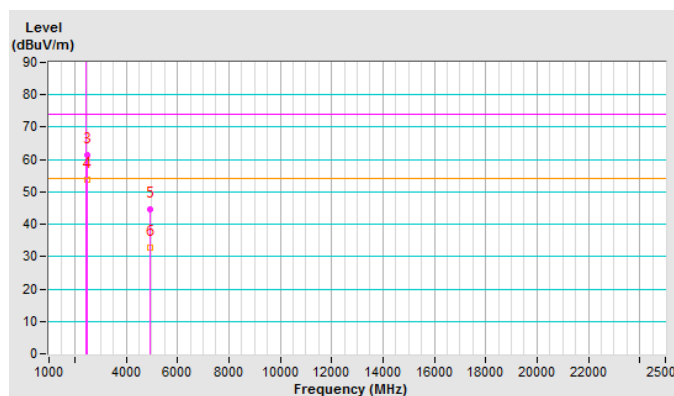


操作模式：	發射	調變技術：	DSSS
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	111.91 PK			1.20 V	352	113.76	-1.85
2	*2462.00	108.53 AV			1.20 V	352	110.38	-1.85
3	2483.50	61.46 PK	74.00	-12.54	1.20 V	352	63.17	-1.71
4	2483.50	53.74 AV	54.00	-0.26	1.20 V	352	55.45	-1.71
5	4924.00	44.53 PK	74.00	-29.47	1.31 V	129	40.23	4.30
6	4924.00	32.73 AV	54.00	-21.27	1.31 V	129	28.43	4.30
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

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



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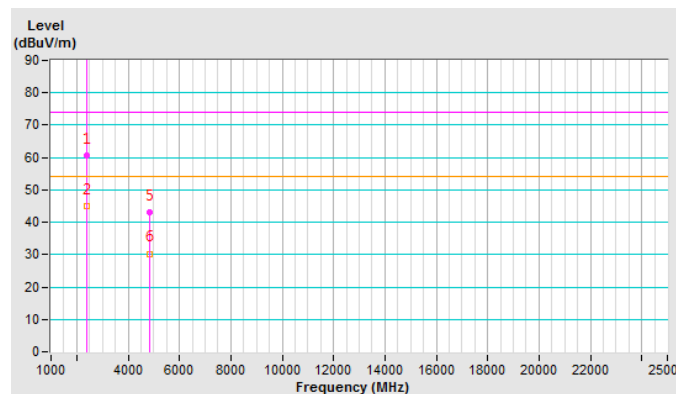
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1 : 2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	28°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	60.73 PK	74.00	-13.27	1.25 H	192	63.04	-2.31
2	2390.00	44.94 AV	54.00	-9.06	1.25 H	192	47.25	-2.31
3	*2412.00	103.68 PK			1.25 H	192	105.85	-2.17
4	*2412.00	96.09 AV			1.25 H	192	98.26	-2.17
5	4824.00	42.99 PK	74.00	-31.01	2.99 H	318	38.83	4.16
6	4824.00	30.28 AV	54.00	-23.72	2.99 H	318	26.12	4.16
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.

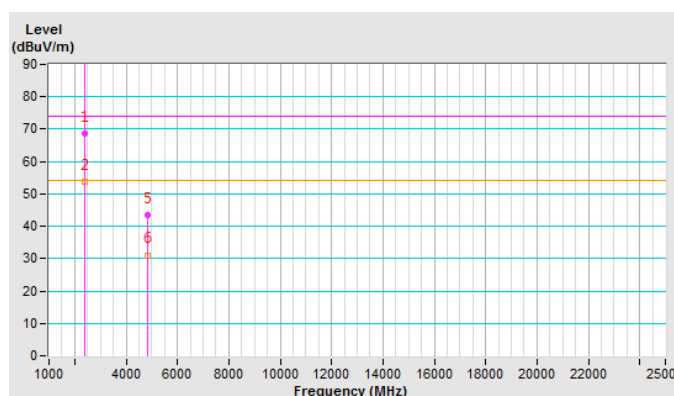


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	68.58 PK	74.00	-5.42	1.36 V	341	70.89	-2.31
2	2390.00	53.72 AV	54.00	-0.28	1.36 V	341	56.03	-2.31
3	*2412.00	113.43 PK			1.36 V	341	115.60	-2.17
4	*2412.00	105.72 AV			1.36 V	341	107.89	-2.17
5	4824.00	43.39 PK	74.00	-30.61	1.51 V	224	39.23	4.16
6	4824.00	31.04 AV	54.00	-22.96	1.51 V	224	26.88	4.16
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.



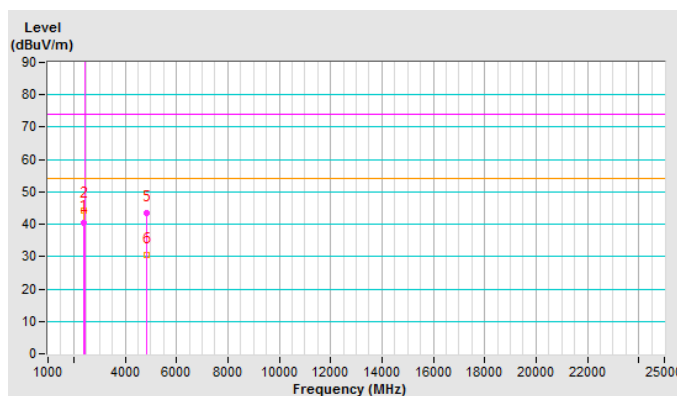
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2 : 2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	22°C	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	40.51 PK	74.00	-33.49	1.18 H	102	42.82	-2.31
2	2390.00	44.40 AV	54.00	-9.60	1.18 H	102	46.71	-2.31
3	*2417.00	105.15 PK			1.18 H	102	107.29	-2.14
4	*2417.00	97.95 AV			1.18 H	102	100.09	-2.14
5	4834.00	43.31 PK	74.00	-30.69	2.81 H	331	39.13	4.18
6	4834.00	30.56 AV	54.00	-23.44	2.81 H	331	26.38	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.



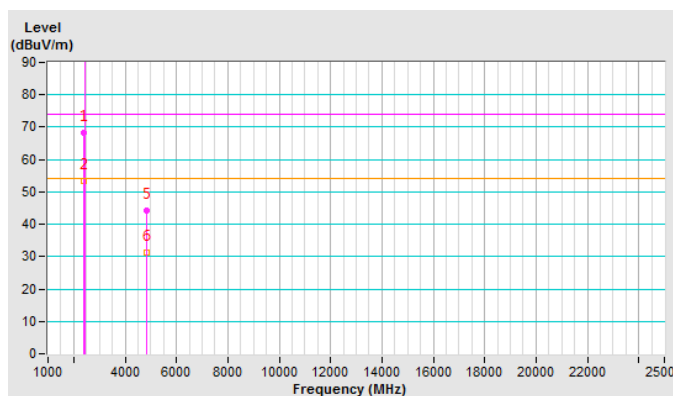
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2 : 2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	22°C	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	68.15 PK	74.00	-5.85	1.56 V	338	70.46	-2.31
2	2390.00	53.25 AV	54.00	-0.75	1.56 V	338	55.56	-2.31
3	*2417.00	116.19 PK			1.56 V	338	118.33	-2.14
4	*2417.00	106.94 AV			1.56 V	338	109.08	-2.14
5	4834.00	44.26 PK	74.00	-29.74	2.57 V	301	40.08	4.18
6	4834.00	31.33 AV	54.00	-22.67	2.57 V	301	27.15	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.



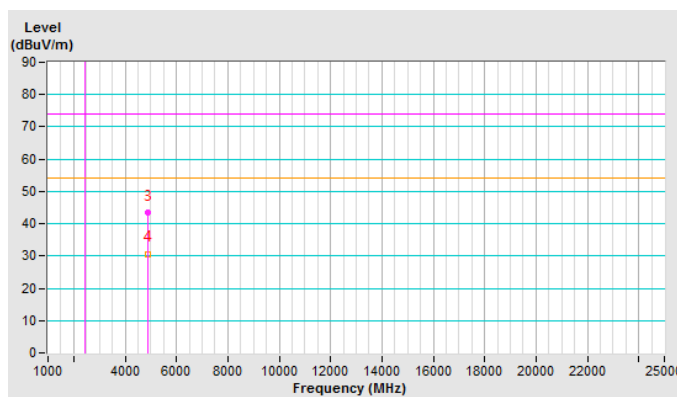
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	28°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	108.28 PK			1.53 H	203	110.29	-2.01
2	*2437.00	101.13 AV			1.53 H	203	103.14	-2.01
3	4874.00	43.51 PK	74.00	-30.49	3.05 H	304	39.26	4.25
4	4874.00	30.68 AV	54.00	-23.32	3.05 H	304	26.43	4.25
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

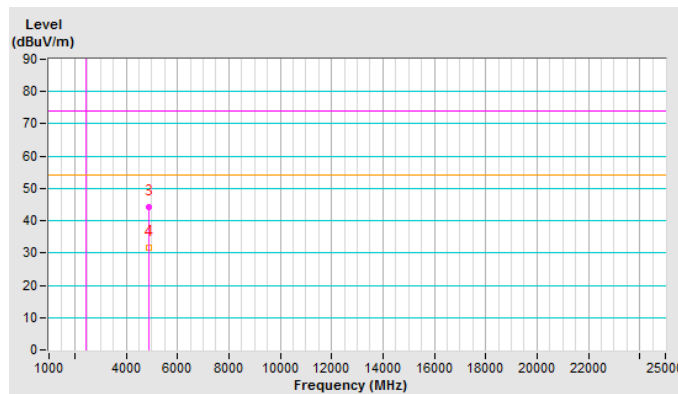


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	28°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	118.66 PK			1.29 V	204	120.67	-2.01
2	*2437.00	110.70 AV			1.29 V	204	112.71	-2.01
3	4874.00	44.36 PK	74.00	-29.64	1.59 V	229	40.11	4.25
4	4874.00	31.79 AV	54.00	-22.21	1.59 V	229	27.54	4.25
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

REMARKS:

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



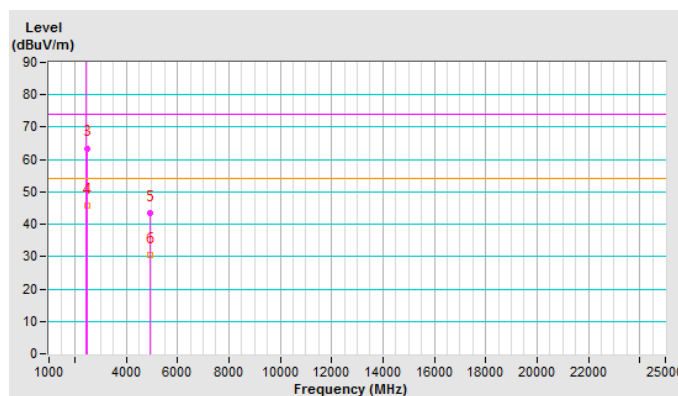
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	22℃	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2457.00	105.65 PK			1.21 H	115	107.52	-1.87
2	*2457.00	98.40 AV			1.21 H	115	100.27	-1.87
3	2483.50	63.46 PK	74.00	-10.54	1.21 H	115	65.17	-1.71
4	2483.50	45.91 AV	54.00	-8.09	1.21 H	115	47.62	-1.71
5	4914.00	43.40 PK	74.00	-30.60	2.88 H	300	39.11	4.29
6	4914.00	30.58 AV	54.00	-23.42	2.88 H	300	26.29	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

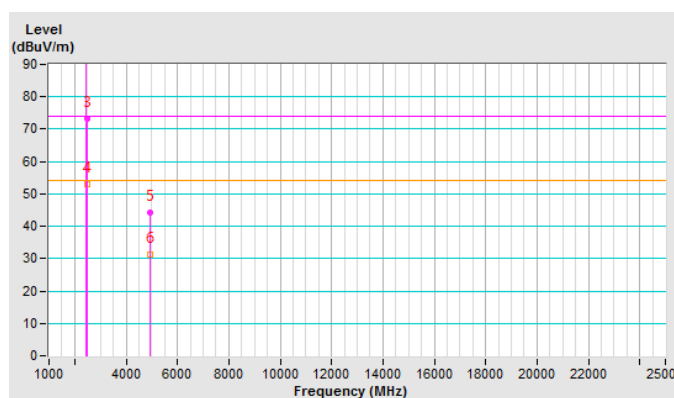


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	22℃	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2457.00	115.45 PK			1.55 V	20	117.32	-1.87
2	*2457.00	105.70 AV			1.55 V	20	107.57	-1.87
3	2483.50	73.09 PK	74.00	-0.91	1.55 V	20	74.80	-1.71
4	2483.50	53.07 AV	54.00	-0.93	1.55 V	20	54.78	-1.71
5	4914.00	44.26 PK	74.00	-29.74	2.59 V	324	39.97	4.29
6	4914.00	31.33 AV	54.00	-22.67	2.59 V	324	27.04	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

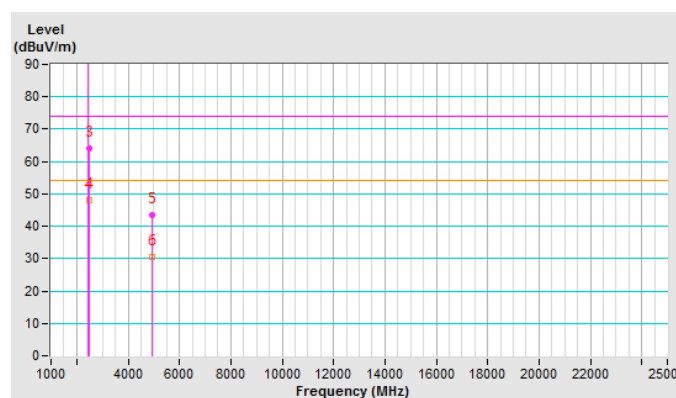


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	105.03 PK			1.22 H	201	106.88	-1.85
2	*2462.00	97.63 AV			1.22 H	201	99.48	-1.85
3	2483.50	64.06 PK	74.00	-9.94	1.22 H	201	65.77	-1.71
4	2483.50	47.92 AV	54.00	-6.08	1.22 H	201	49.63	-1.71
5	4924.00	43.44 PK	74.00	-30.56	3.23 H	294	39.14	4.30
6	4924.00	30.49 AV	54.00	-23.51	3.23 H	294	26.19	4.30
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

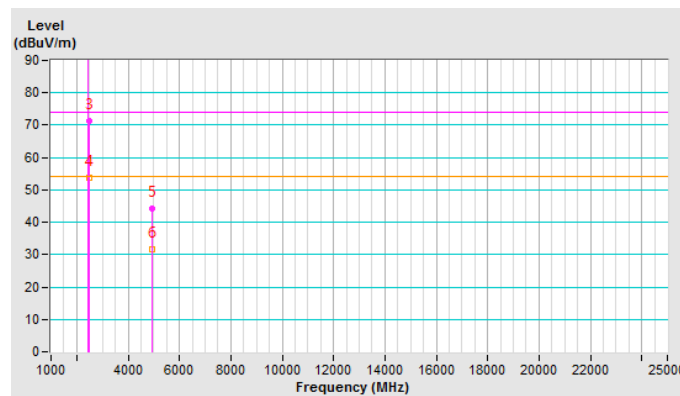


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	114.16 PK			1.77 V	206	116.01	-1.85
2	*2462.00	106.70 AV			1.77 V	206	108.55	-1.85
3	2483.50	71.20 PK	74.00	-2.80	1.77 V	206	72.91	-1.71
4	2483.50	53.71 AV	54.00	-0.29	1.77 V	206	55.42	-1.71
5	4924.00	44.32 PK	74.00	-29.68	1.69 V	218	40.02	4.30
6	4924.00	31.63 AV	54.00	-22.37	1.69 V	218	27.33	4.30
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (20MHz)

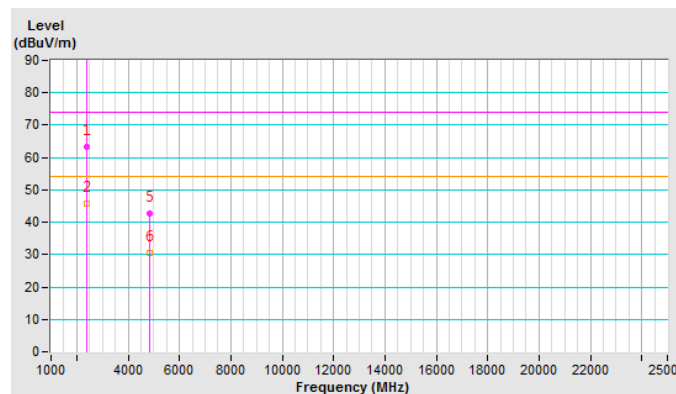
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	63.31 PK	74.00	-10.69	1.27 H	198	65.62	-2.31
2	2390.00	45.82 AV	54.00	-8.18	1.27 H	198	48.13	-2.31
3	*2412.00	103.02 PK			1.27 H	198	105.19	-2.17
4	*2412.00	94.80 AV			1.27 H	198	96.97	-2.17
5	4824.00	42.64 PK	74.00	-31.36	3.01 H	228	38.48	4.16
6	4824.00	30.35 AV	54.00	-23.65	3.01 H	228	26.19	4.16
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.

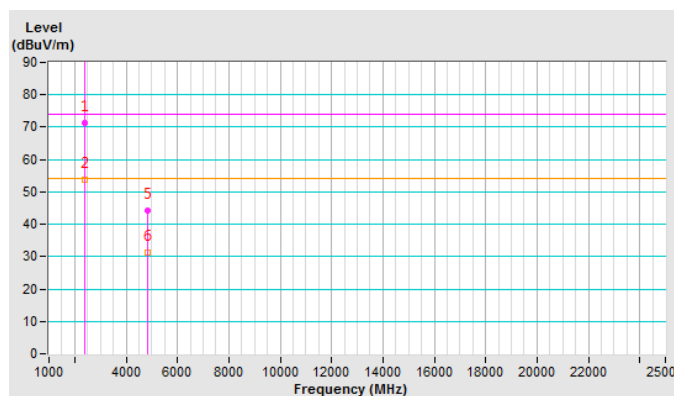


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 1：2412 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.00	71.35 PK	74.00	-2.65	1.63 V	164	73.66	-2.31
2	2390.00	53.71 AV	54.00	-0.29	1.63 V	164	56.02	-2.31
3	*2412.00	112.23 PK			1.63 V	164	114.40	-2.17
4	*2412.00	104.66 AV			1.63 V	164	106.83	-2.17
5	4824.00	44.29 PK	74.00	-29.71	2.86 V	117	40.13	4.16
6	4824.00	31.38 AV	54.00	-22.62	2.86 V	117	27.22	4.16
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.



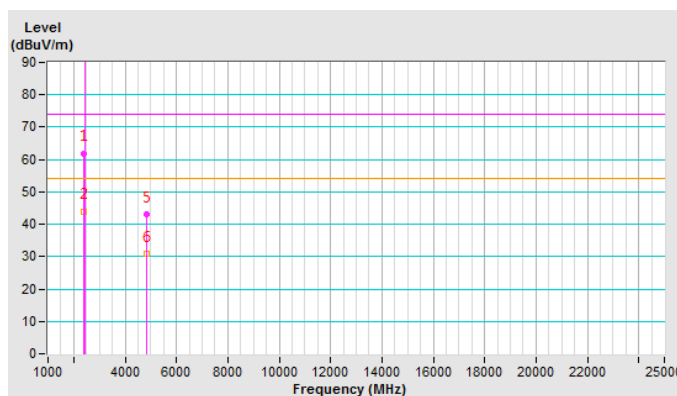
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2 : 2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	22°C	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	61.93 PK	74.00	-12.07	1.17 H	79	64.24	-2.31
2	2390.00	44.02 AV	54.00	-9.98	1.17 H	79	46.33	-2.31
3	*2417.00	105.24 PK			1.17 H	79	107.38	-2.14
4	*2417.00	95.02 AV			1.17 H	79	97.16	-2.14
5	4834.00	42.95 PK	74.00	-31.05	2.91 H	17	38.77	4.18
6	4834.00	30.75 AV	54.00	-23.25	2.91 H	17	26.57	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

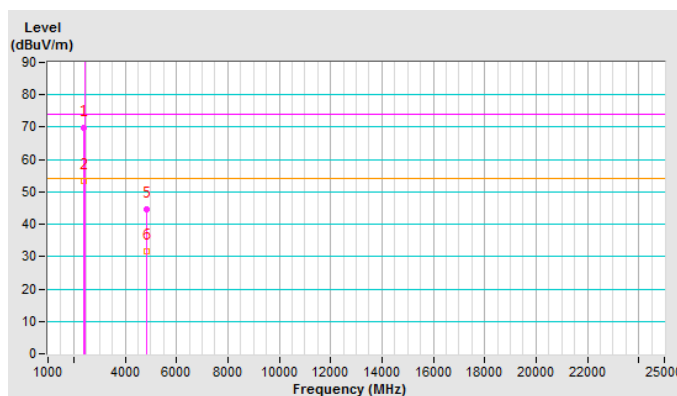


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 2 : 2417 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	22°C	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	69.80 PK	74.00	-4.20	1.47 V	325	72.11	-2.31
2	2390.00	53.52 AV	54.00	-0.48	1.47 V	325	55.83	-2.31
3	*2417.00	114.16 PK			1.47 V	325	116.30	-2.14
4	*2417.00	104.59 AV			1.47 V	325	106.73	-2.14
5	4834.00	44.57 PK	74.00	-29.43	1.99 V	98	40.39	4.18
6	4834.00	31.61 AV	54.00	-22.39	1.99 V	98	27.43	4.18
7	7251.00	-	-	-	-	-	-	-
8	#9668.00	-	-	-	-	-	-	-
9	12085.00	-	-	-	-	-	-	-
10	#14502.00	-	-	-	-	-	-	-
11	#16919.00	-	-	-	-	-	-	-
12	19336.00	-	-	-	-	-	-	-
13	#21753.00	-	-	-	-	-	-	-
14	#24170.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.



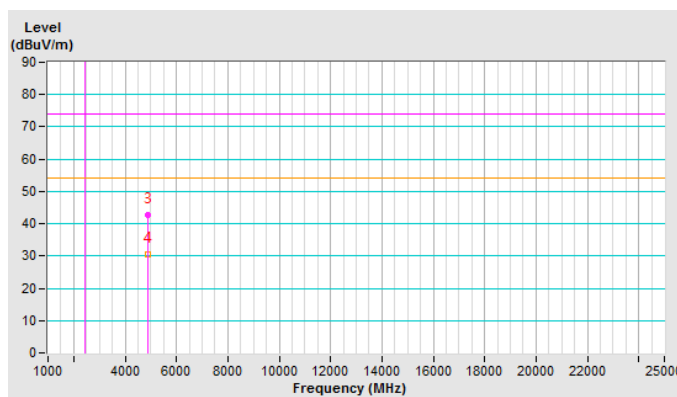
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	107.83 PK			1.58 H	199	109.84	-2.01
2	*2437.00	98.58 AV			1.58 H	199	100.59	-2.01
3	4874.00	42.81 PK	74.00	-31.19	3.00 H	231	38.56	4.25
4	4874.00	30.53 AV	54.00	-23.47	3.00 H	231	26.28	4.25
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

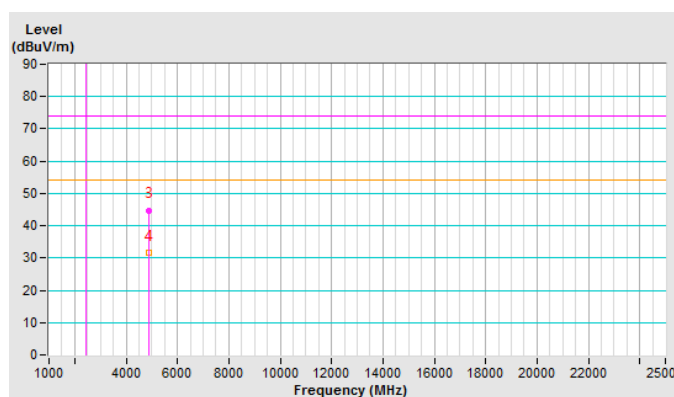


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	28°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2437.00	116.88 PK			1.81 V	210	118.89	-2.01
2	*2437.00	108.91 AV			1.81 V	210	110.92	-2.01
3	4874.00	44.78 PK	74.00	-29.22	3.22 V	108	40.53	4.25
4	4874.00	31.80 AV	54.00	-22.20	3.22 V	108	27.55	4.25
5	7311.00	-	-	-	-	-	-	-
6	#9748.00	-	-	-	-	-	-	-
7	12185.00	-	-	-	-	-	-	-
8	#14622.00	-	-	-	-	-	-	-
9	#17059.00	-	-	-	-	-	-	-
10	19496.00	-	-	-	-	-	-	-
11	#21933.00	-	-	-	-	-	-	-
12	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

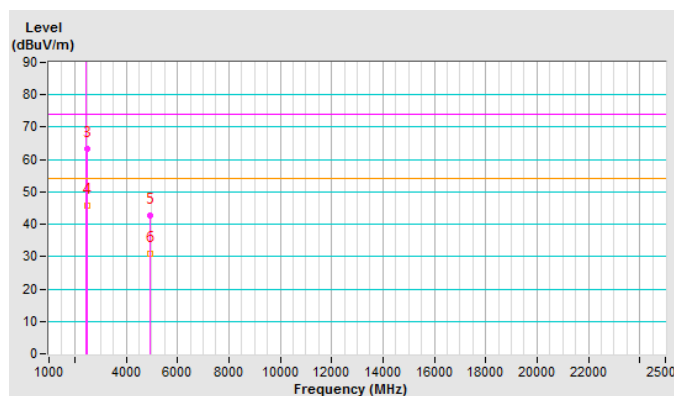


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	22℃	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2457.00	105.29 PK			1.00 H	27	107.16	-1.87
2	*2457.00	97.51 AV			1.00 H	27	99.38	-1.87
3	2483.50	63.27 PK	74.00	-10.73	1.00 H	27	64.98	-1.71
4	2483.50	45.86 AV	54.00	-8.14	1.00 H	27	47.57	-1.71
5	4914.00	42.82 PK	74.00	-31.18	2.84 H	36	38.53	4.29
6	4914.00	30.78 AV	54.00	-23.22	2.84 H	36	26.49	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

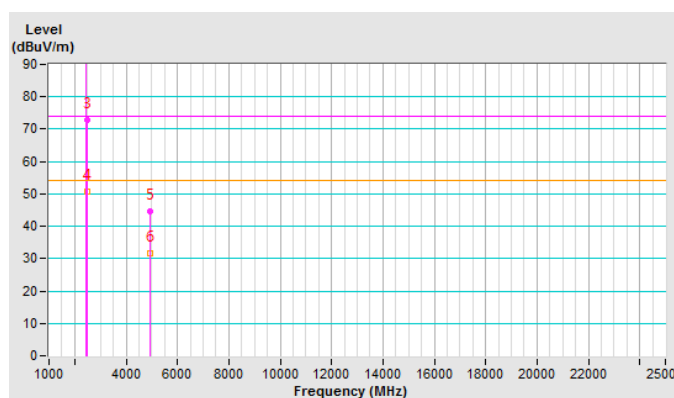


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 10：2457 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	22℃	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2457.00	114.26 PK			1.16 V	338	116.13	-1.87
2	*2457.00	104.43 AV			1.16 V	338	106.30	-1.87
3	2483.50	72.98 PK	74.00	-1.02	1.16 V	338	74.69	-1.71
4	2483.50	50.84 AV	54.00	-3.16	1.16 V	338	52.55	-1.71
5	4914.00	44.67 PK	74.00	-29.33	2.68 V	311	40.38	4.29
6	4914.00	31.63 AV	54.00	-22.37	2.68 V	311	27.34	4.29
7	7371.00	-	-	-	-	-	-	-
8	#9828.00	-	-	-	-	-	-	-
9	12285.00	-	-	-	-	-	-	-
10	#14742.00	-	-	-	-	-	-	-
11	#17199.00	-	-	-	-	-	-	-
12	19656.00	-	-	-	-	-	-	-
13	22113.00	-	-	-	-	-	-	-
14	#24570.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

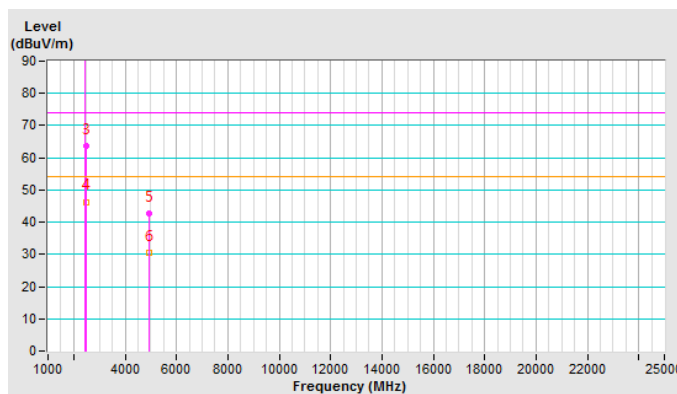


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2462.00	103.09 PK			1.42 H	188	104.94	-1.85
2	*2462.00	94.96 AV			1.42 H	188	96.81	-1.85
3	2483.50	63.63 PK	74.00	-10.37	1.42 H	188	65.34	-1.71
4	2483.50	46.30 AV	54.00	-7.70	1.42 H	188	48.01	-1.71
5	4924.00	42.53 PK	74.00	-31.47	2.98 H	211	38.23	4.30
6	4924.00	30.44 AV	54.00	-23.56	2.98 H	211	26.14	4.30
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

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

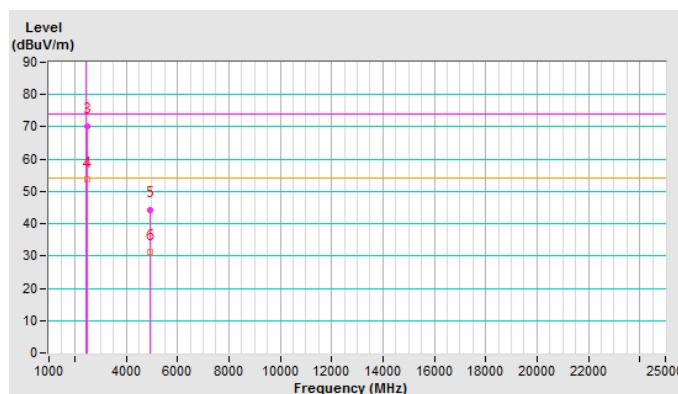


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 11：2462 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=820Hz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	112.09 PK			1.94 V	206	113.94	-1.85
2	*2462.00	104.55 AV			1.94 V	206	106.40	-1.85
3	2483.50	70.36 PK	74.00	-3.64	1.94 V	206	72.07	-1.71
4	2483.50	53.72 AV	54.00	-0.28	1.94 V	206	55.43	-1.71
5	4924.00	44.41 PK	74.00	-29.59	2.88 V	132	40.11	4.30
6	4924.00	31.41 AV	54.00	-22.59	2.88 V	132	27.11	4.30
7	7386.00	-	-	-	-	-	-	-
8	#9848.00	-	-	-	-	-	-	-
9	12310.00	-	-	-	-	-	-	-
10	#14772.00	-	-	-	-	-	-	-
11	#17234.00	-	-	-	-	-	-	-
12	19696.00	-	-	-	-	-	-	-
13	22158.00	-	-	-	-	-	-	-
14	#24620.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (40MHz)

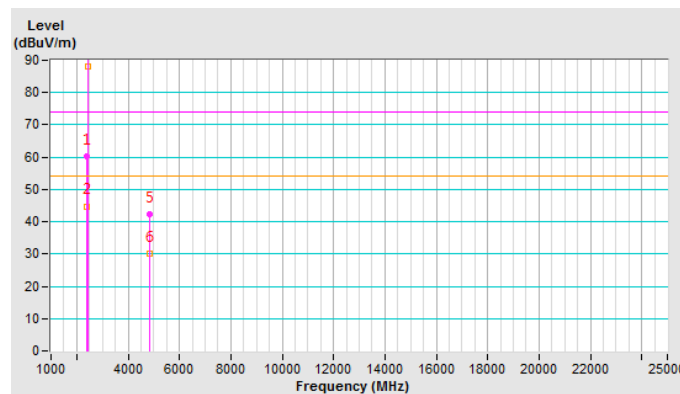
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3 : 2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	60.18 PK	74.00	-13.82	1.13 H	190	62.49	-2.31
2	2390.00	44.77 AV	54.00	-9.23	1.13 H	190	47.08	-2.31
3	*2422.00	97.04 PK			1.13 H	190	99.15	-2.11
4	*2422.00	88.09 AV			1.13 H	190	90.20	-2.11
5	4844.00	42.43 PK	74.00	-31.57	2.59 H	193	38.23	4.20
6	4844.00	30.13 AV	54.00	-23.87	2.59 H	193	25.93	4.20
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#24220.00	-	-	-	-	-	-	-

REMARKS:

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

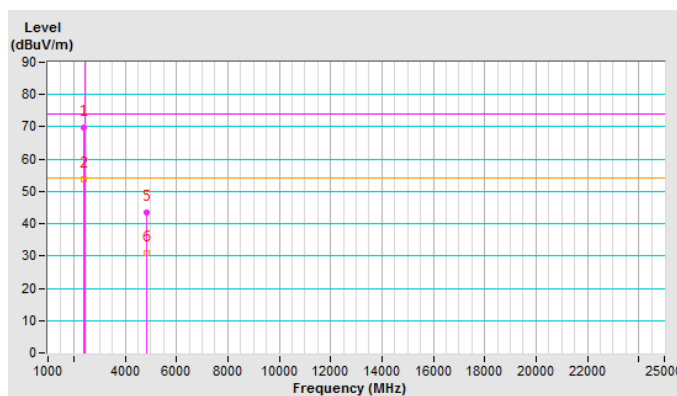


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 3：2422 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	69.90 PK	74.00	-4.10	1.45 V	168	72.21	-2.31
2	2390.00	53.74 AV	54.00	-0.26	1.45 V	168	56.05	-2.31
3	*2422.00	106.28 PK			1.45 V	168	108.39	-2.11
4	*2422.00	98.48 AV			1.45 V	168	100.59	-2.11
5	4844.00	43.44 PK	74.00	-30.56	1.22 V	208	39.24	4.20
6	4844.00	30.93 AV	54.00	-23.07	1.22 V	208	26.73	4.20
7	7266.00	-	-	-	-	-	-	-
8	#9688.00	-	-	-	-	-	-	-
9	12110.00	-	-	-	-	-	-	-
10	#14532.00	-	-	-	-	-	-	-
11	#16954.00	-	-	-	-	-	-	-
12	19376.00	-	-	-	-	-	-	-
13	#21798.00	-	-	-	-	-	-	-
14	#24220.00	-	-	-	-	-	-	-

REMARKS:

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



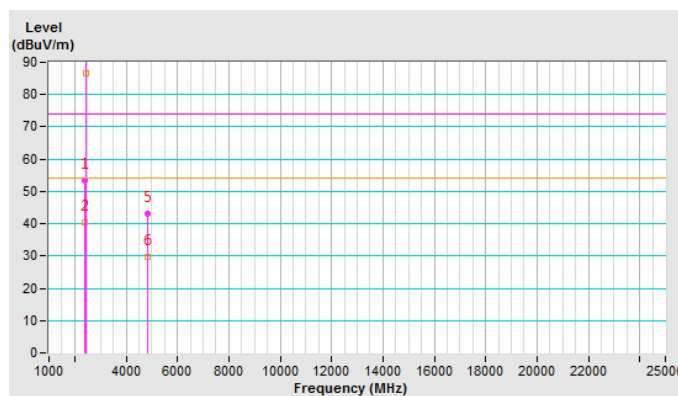
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 4：2427 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	22℃	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	53.27 PK	74.00	-20.73	3.21 H	297	55.58	-2.31
2	2390.00	40.38 AV	54.00	-13.62	3.21 H	297	42.69	-2.31
3	*2427.00	98.34 PK			3.21 H	297	100.42	-2.08
4	*2427.00	86.74 AV			3.21 H	297	88.82	-2.08
5	4854.00	43.22 PK	74.00	-30.78	3.72 H	273	39.01	4.21
6	4854.00	29.62 AV	54.00	-24.38	3.72 H	273	25.41	4.21
7	7281.00	-	-	-	-	-	-	-
8	#9708.00	-	-	-	-	-	-	-
9	12135.00	-	-	-	-	-	-	-
10	#14562.00	-	-	-	-	-	-	-
11	#16989.00	-	-	-	-	-	-	-
12	19416.00	-	-	-	-	-	-	-
13	#21843.00	-	-	-	-	-	-	-
14	#24270.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

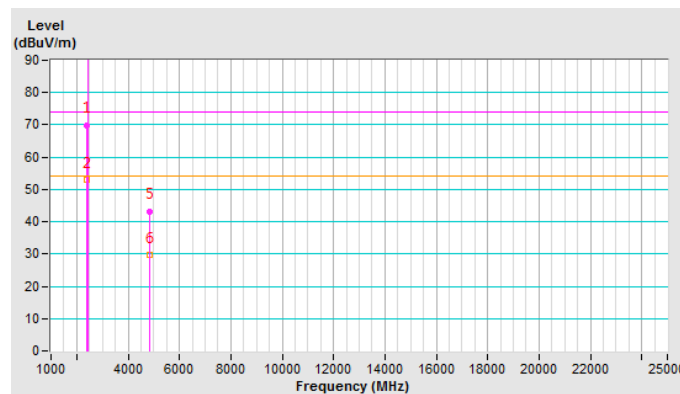


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 4：2427 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	22°C	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	69.96 PK	74.00	-4.04	1.38 V	76	72.27	-2.31
2	2390.00	53.03 AV	54.00	-0.97	1.38 V	76	55.34	-2.31
3	*2427.00	106.27 PK			1.38 V	76	108.35	-2.08
4	*2427.00	94.47 AV			1.38 V	76	96.55	-2.08
5	4854.00	43.26 PK	74.00	-30.74	1.19 V	266	39.05	4.21
6	4854.00	29.65 AV	54.00	-24.35	1.19 V	266	25.44	4.21
7	7281.00	-	-	-	-	-	-	-
8	#9708.00	-	-	-	-	-	-	-
9	12135.00	-	-	-	-	-	-	-
10	#14562.00	-	-	-	-	-	-	-
11	#16989.00	-	-	-	-	-	-	-
12	19416.00	-	-	-	-	-	-	-
13	#21843.00	-	-	-	-	-	-	-
14	#24270.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.



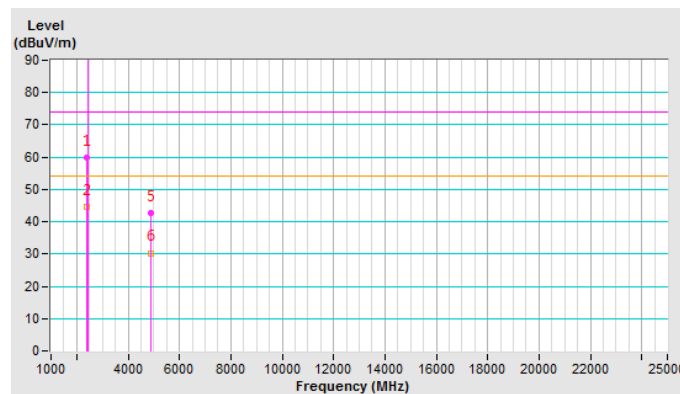
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	60.01 PK	74.00	-13.99	1.23 H	188	62.32	-2.31
2	2390.00	44.70 AV	54.00	-9.30	1.23 H	188	47.01	-2.31
3	*2437.00	102.41 PK			1.23 H	188	104.42	-2.01
4	*2437.00	93.27 AV			1.23 H	188	95.28	-2.01
5	4874.00	42.79 PK	74.00	-31.21	2.55 H	221	38.54	4.25
6	4874.00	30.29 AV	54.00	-23.71	2.55 H	221	26.04	4.25
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#24370.00	-	-	-	-	-	-	-

REMARKS:

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

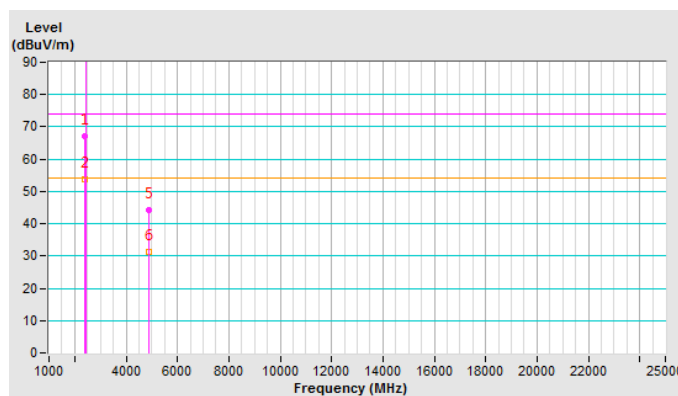


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	67.19 PK	74.00	-6.81	1.00 V	170	69.50	-2.31
2	2390.00	53.77 AV	54.00	-0.23	1.00 V	170	56.08	-2.31
3	*2437.00	111.23 PK			1.00 V	170	113.24	-2.01
4	*2437.00	103.12 AV			1.00 V	170	105.13	-2.01
5	4874.00	44.08 PK	74.00	-29.92	1.28 V	195	39.83	4.25
6	4874.00	31.22 AV	54.00	-22.78	1.28 V	195	26.97	4.25
7	7311.00	-	-	-	-	-	-	-
8	#9748.00	-	-	-	-	-	-	-
9	12185.00	-	-	-	-	-	-	-
10	#14622.00	-	-	-	-	-	-	-
11	#17059.00	-	-	-	-	-	-	-
12	19496.00	-	-	-	-	-	-	-
13	#21933.00	-	-	-	-	-	-	-
14	#24370.00	-	-	-	-	-	-	-

REMARKS:

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



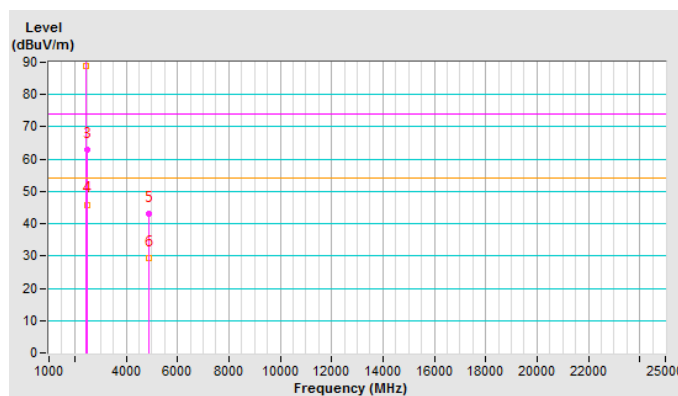
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 8：2447 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	22℃	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2447.00	100.50 PK			1.56 H	306	102.45	-1.95
2	*2447.00	88.81 AV			1.56 H	306	90.76	-1.95
3	2483.50	63.03 PK	74.00	-10.97	1.56 H	306	64.74	-1.71
4	2483.50	45.92 AV	54.00	-8.08	1.56 H	306	47.63	-1.71
5	4894.00	43.13 PK	74.00	-30.87	1.84 H	330	38.86	4.27
6	4894.00	29.23 AV	54.00	-24.77	1.84 H	330	24.96	4.27
7	7341.00	-	-	-	-	-	-	-
8	#9788.00	-	-	-	-	-	-	-
9	12235.00	-	-	-	-	-	-	-
10	#14682.00	-	-	-	-	-	-	-
11	#17129.00	-	-	-	-	-	-	-
12	19576.00	-	-	-	-	-	-	-
13	22023.00	-	-	-	-	-	-	-
14	#24470.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.

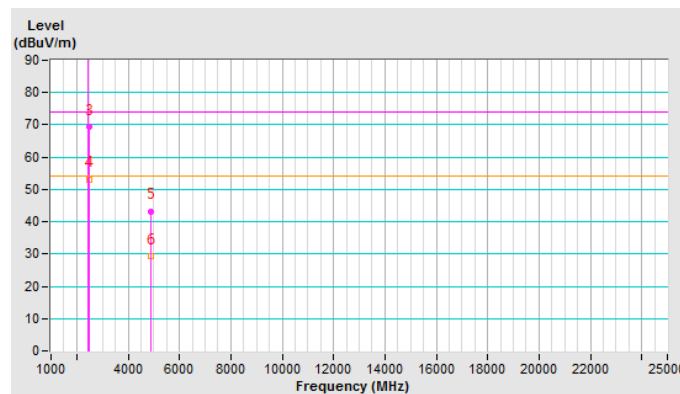


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 8：2447 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	22℃	量測場地濕度：	74%RH
測試日期：	106 年 12 月 1 日	測試者：	魏郡崎

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	*2447.00	107.23 PK			1.86 V	339	109.18	-1.95
2	*2447.00	95.62 AV			1.86 V	339	97.57	-1.95
3	2483.50	69.47 PK	74.00	-4.53	1.86 V	339	71.18	-1.71
4	2483.50	53.16 AV	54.00	-0.84	1.86 V	339	54.87	-1.71
5	4894.00	43.28 PK	74.00	-30.72	1.82 V	360	39.01	4.27
6	4894.00	29.38 AV	54.00	-24.62	1.82 V	360	25.11	4.27
7	7341.00	-	-	-	-	-	-	-
8	#9788.00	-	-	-	-	-	-	-
9	12235.00	-	-	-	-	-	-	-
10	#14682.00	-	-	-	-	-	-	-
11	#17129.00	-	-	-	-	-	-	-
12	19576.00	-	-	-	-	-	-	-
13	22023.00	-	-	-	-	-	-	-
14	#24470.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = 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.



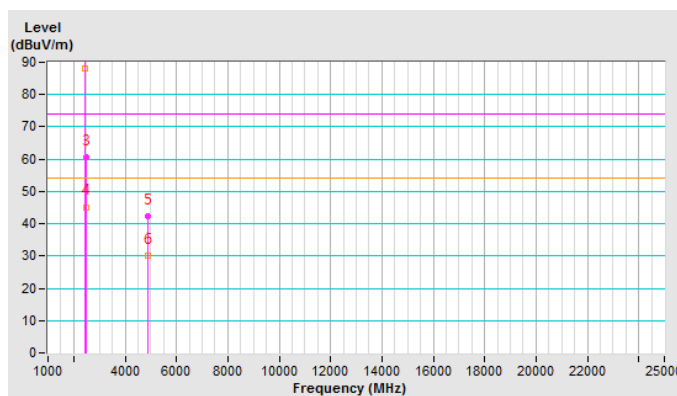
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	97.17 PK			1.38 H	211	99.08	-1.91
2	*2452.00	88.26 AV			1.38 H	211	90.17	-1.91
3	2483.50	60.47 PK	74.00	-13.53	1.38 H	211	62.18	-1.71
4	2483.50	45.18 AV	54.00	-8.82	1.38 H	211	46.89	-1.71
5	4904.00	42.38 PK	74.00	-31.62	2.54 H	209	38.08	4.30
6	4904.00	30.14 AV	54.00	-23.86	2.54 H	209	25.84	4.30
7	7356.00	-	-	-	-	-	-	-
8	#9808.00	-	-	-	-	-	-	-
9	12260.00	-	-	-	-	-	-	-
10	#14712.00	-	-	-	-	-	-	-
11	#17164.00	-	-	-	-	-	-	-
12	19616.00	-	-	-	-	-	-	-
13	22068.00	-	-	-	-	-	-	-
14	#24520.00	-	-	-	-	-	-	-

REMARKS:

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

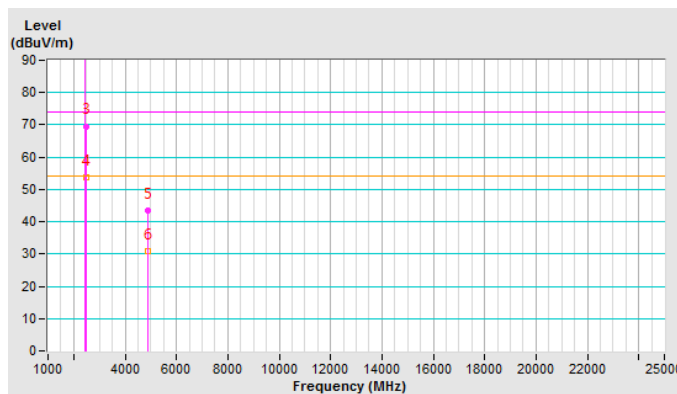


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 9：2452 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.8kHz
量測場地溫度：	28℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	106.29 PK			1.44 V	174	108.20	-1.91
2	*2452.00	98.52 AV			1.44 V	174	100.43	-1.91
3	2483.50	69.57 PK	74.00	-4.43	1.44 V	174	71.28	-1.71
4	2483.50	53.73 AV	54.00	-0.27	1.44 V	174	55.44	-1.71
5	4904.00	43.43 PK	74.00	-30.57	1.38 V	184	39.13	4.30
6	4904.00	30.85 AV	54.00	-23.15	1.38 V	184	26.55	4.30
7	7356.00	-	-	-	-	-	-	-
8	#9808.00	-	-	-	-	-	-	-
9	12260.00	-	-	-	-	-	-	-
10	#14712.00	-	-	-	-	-	-	-
11	#17164.00	-	-	-	-	-	-	-
12	19616.00	-	-	-	-	-	-	-
13	22068.00	-	-	-	-	-	-	-
14	#24520.00	-	-	-	-	-	-	-

REMARKS:

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



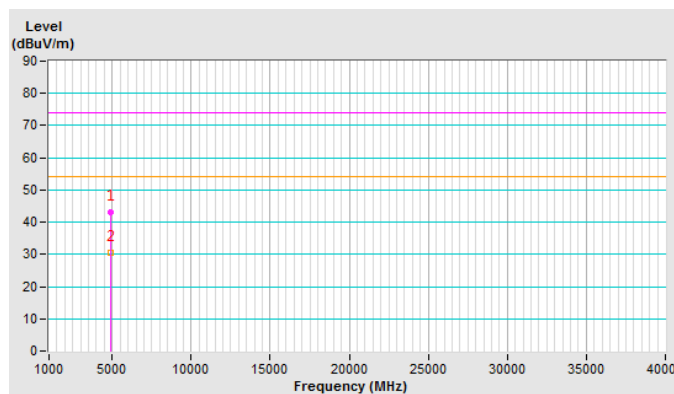
4.6.2 接收諧波

操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 6 : 2437 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度 :	26°C	量測場地濕度 :	69%RH
測 試 日 期 :	106 年 11 月 2 日	測 試 者 :	魏郡崎

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	4874.00	43.23 PK	74.00	-30.77	2.88 H	351	38.98	4.25
2	4874.00	30.56 AV	54.00	-23.44	2.88 H	351	26.31	4.25

REMARKS:

1. Emission Level(dBuV/m) = 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

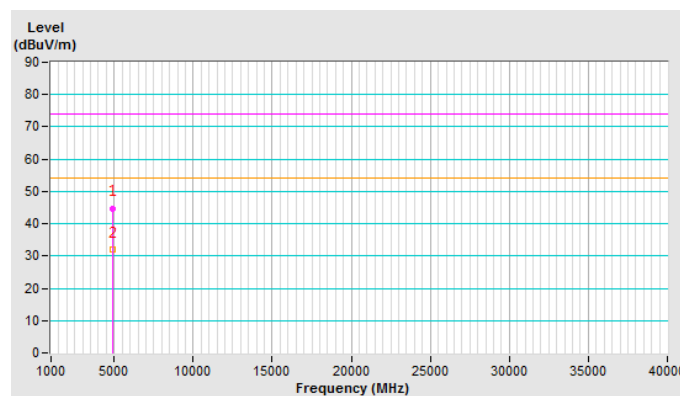


操作模式：	接收		
基本波頻率：	CH 6 : 2437 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	4874.00	44.77 PK	74.00	-29.23	1.22 V	109	40.52	4.25
2	4874.00	32.13 AV	54.00	-21.87	1.22 V	109	27.88	4.25

REMARKS:

1. Emission Level(dBuV/m) = 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

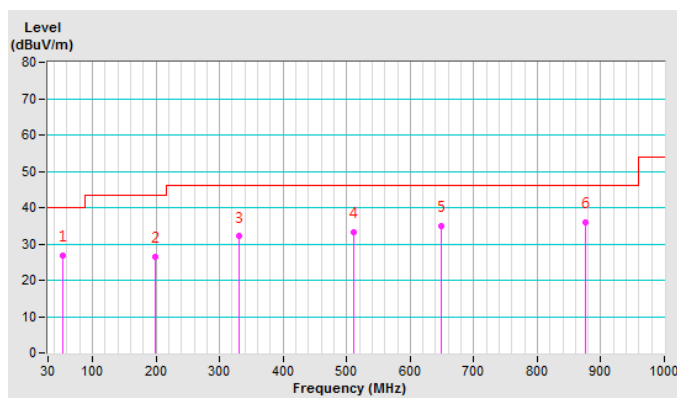
802.11g

操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	27°C	量測場地濕度：	68%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	53.82	26.89 QP	40.00	-13.11	1.09 H	115	35.84	-8.95
2	198.56	26.37 QP	43.50	-17.13	1.19 H	201	37.88	-11.51
3	331.51	32.11 QP	46.00	-13.89	1.74 H	42	38.54	-6.43
4	511.95	33.37 QP	46.00	-12.63	1.19 H	83	35.96	-2.59
5	649.05	35.02 QP	46.00	-10.98	1.08 H	211	34.99	0.03
6	876.52	35.93 QP	46.00	-10.07	1.86 H	221	31.95	3.98

REMARKS:

1. Emission Level(dBuV/m) = 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.

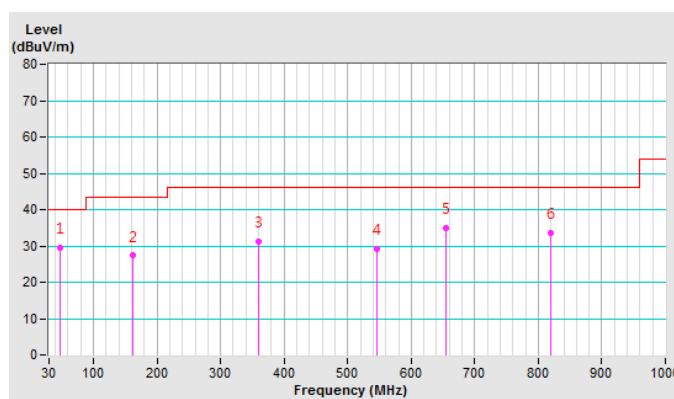


操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 6：2437 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	27°C	量測場地濕度：	68%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	47.83	29.64 QP	40.00	-10.36	1.66 V	201	38.85	-9.21
2	161.00	27.31 QP	43.50	-16.19	1.82 V	85	36.14	-8.83
3	360.55	31.29 QP	46.00	-14.71	1.44 V	220	37.54	-6.25
4	545.89	29.32 QP	46.00	-16.68	2.08 V	213	31.59	-2.27
5	653.84	35.02 QP	46.00	-10.98	1.56 V	188	34.99	0.03
6	820.16	33.57 QP	46.00	-12.43	2.11 V	251	29.96	3.61

REMARKS:

1. Emission Level(dBuV/m) = 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。

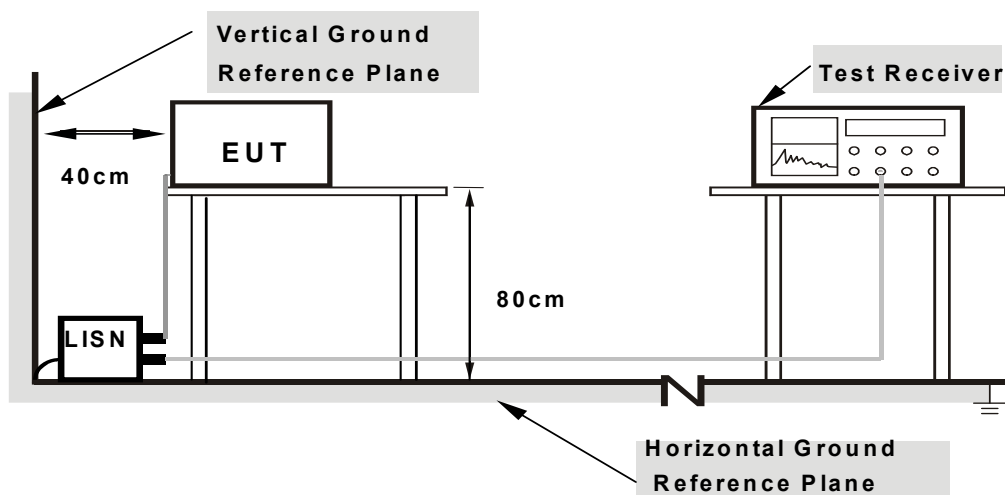
5.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
ROHDE & SCHWARZ TEST RECEIVER	ESCS 30	100276	Apr. 10, 2017	Apr. 9, 2018
ROHDE & SCHWARZ Artificial Mains Network (for EUT)	ENV216	101197	May 22, 2017	May 21, 2018
LISN With Adapter (for EUT)	AD10	C10Ada-002	May 22, 2017	May 21, 2018
ROHDE & SCHWARZ Artificial Mains Network (for peripherals)	ESH3-Z5	100218	Nov. 23, 2016	Nov. 22, 2017
SCHWARZBECK Artificial Mains Network (For EUT)	NNLK8129	8129229	May 9, 2017	May 8, 2018
Software	Cond_V7.3.7.4	NA	NA	NA
RF cable (JYEBAO) With 10dB PAD	5D-FB	Cable-C10.01	Feb. 14, 2017	Feb. 13, 2018
SUHNER Terminator (For ROHDE & SCHWARZ LISN)	65BNC-5001	E1-011484	May 18, 2017	May 17, 2018

Notes: 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 Shielded Room No. 10.
 3. The following table is for the measurement uncertainty, which is calculated as per the document CISPR 16-4. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Uncertainty
Conducted emissions	± 2.79

5.4 測試配置



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

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

5.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

5.6 量測結果

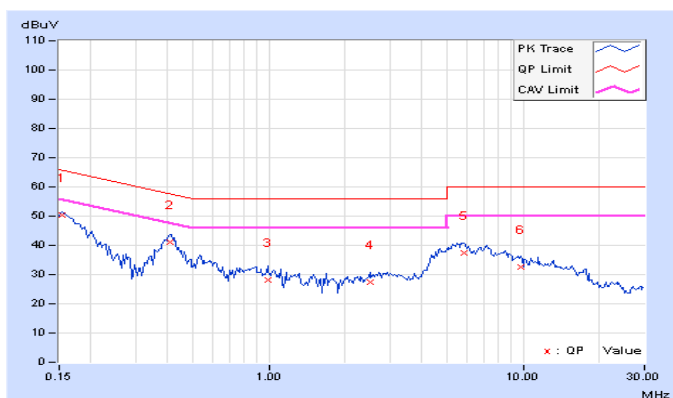
CDD Mode:

操作模式	發射	測試日期	106 年 11 月 10 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	張君煌		

		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.
0.15391	9.65	40.59	24.28	50.24	33.93	65.79	55.79	-15.55	-21.86
0.40781	9.69	31.34	24.62	41.03	34.31	57.69	47.69	-16.66	-13.38
0.98984	9.79	18.20	12.08	27.99	21.87	56.00	46.00	-28.01	-24.13
2.49609	9.93	17.57	11.74	27.50	21.67	56.00	46.00	-28.50	-24.33
5.82422	10.09	27.31	21.93	37.40	32.02	60.00	50.00	-22.60	-17.98
9.84375	10.18	22.59	17.32	32.77	27.50	60.00	50.00	-27.23	-22.50

NOTE:

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

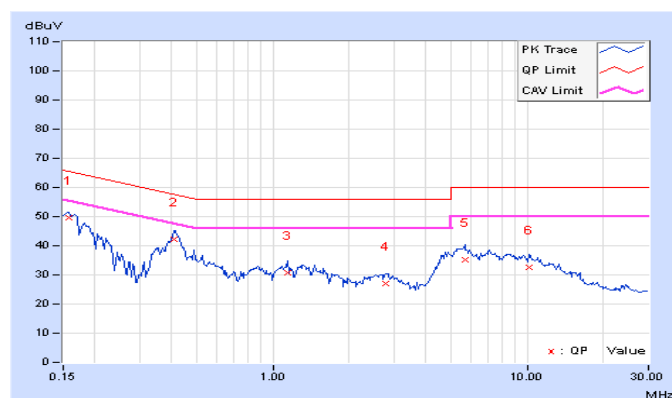


操作模式	發射	測試日期	106 年 11 月 10 日
基本波頻率	CH 6: 2437MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	張君煌		

		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.
0.15781	9.69	39.78	25.78	49.47	35.47	65.58	55.58	-16.11	-20.11
0.40781	9.73	32.62	26.21	42.35	35.94	57.69	47.69	-15.34	-11.75
1.14453	9.81	20.82	16.42	30.63	26.23	56.00	46.00	-25.37	-19.77
2.76953	9.99	17.20	11.53	27.19	21.52	56.00	46.00	-28.81	-24.48
5.68359	10.19	25.13	19.44	35.32	29.63	60.00	50.00	-24.68	-20.37
10.12500	10.26	22.43	17.25	32.69	27.51	60.00	50.00	-27.31	-22.49

NOTE:

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



5.7 量測結果判定

依據測試數據結果，符合低功率射頻電機技術規範之要求。

5.8 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

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

6.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
ROHDE & SCHWARZ Spectrum Analyzer	FSV40	101042	Sep. 29, 2017	Sep. 28, 2018

NOTE:

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

6.4 測試配置



6.5 量測結果

CDD Mode:

操作模式	發射	測試日期	106 年 12 月 11 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11b

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	10.07	10.06	0.5	PASS
6	2437	10.11	10.10	0.5	PASS
11	2462	9.54	10.04	0.5	PASS

802.11g

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	16.34	16.34	0.5	PASS
6	2437	16.37	16.38	0.5	PASS
11	2462	16.38	16.36	0.5	PASS

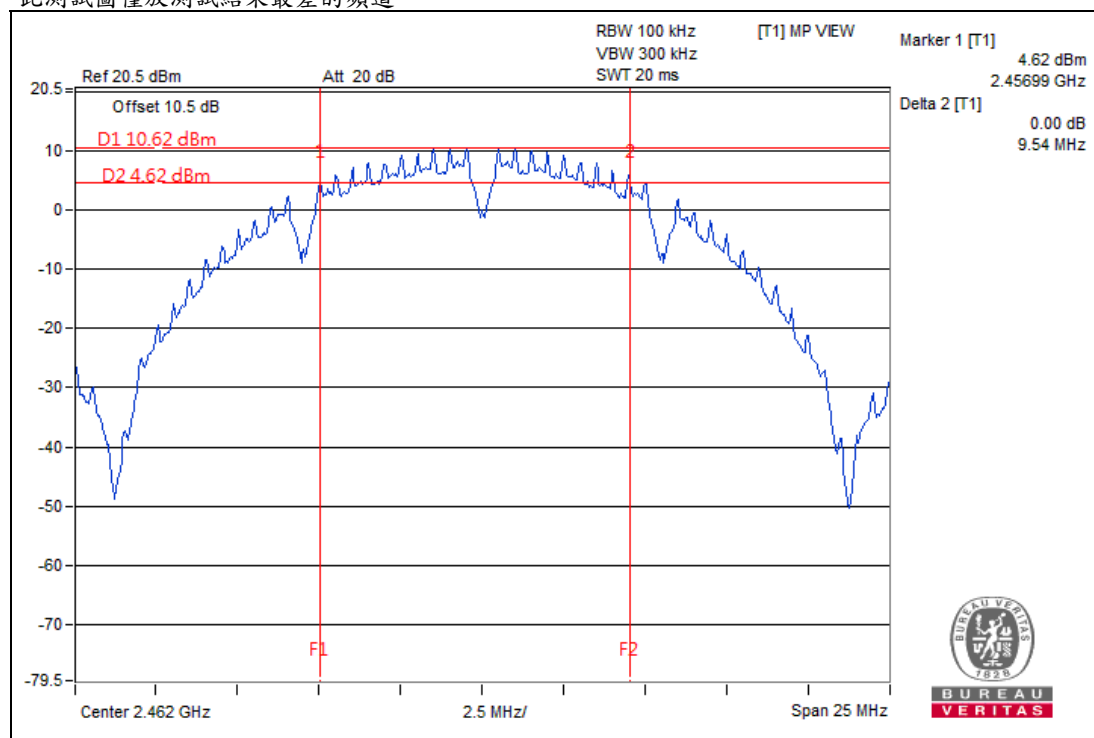
802.11n (20MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
1	2412	17.57	17.61	0.5	PASS
6	2437	17.55	17.58	0.5	PASS
11	2462	16.96	17.59	0.5	PASS

802.11n (40MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
3	2422	33.91	35.11	0.5	PASS
6	2437	35.09	35.75	0.5	PASS
9	2452	33.86	35.10	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

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

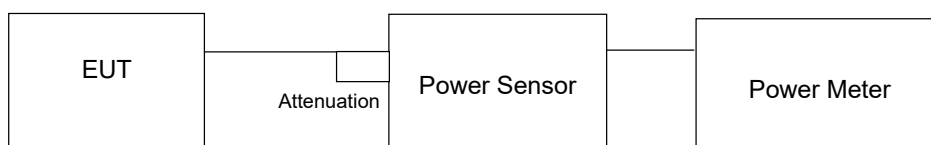
7.3 量測儀器

Description & Manufacturer	Model No.	Serial No.	Date Of Calibration	Due Date Of Calibration
Anritsu Power Sensor	MA2411B	0738404	Apr. 24, 2017	Apr. 23, 2018
Anritsu Power Meter	ML2495A	0842014	Apr. 24, 2017	Apr. 23, 2018

NOTE:

- The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
- The measurement uncertainty is 1.393dB, which is calculated as per the document ETSI TR 100 028. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- Measurement Bandwidth of ML2495A is 65MHz greater than 6dB bandwidth of emission.

7.4 測試配置



7.5 量測結果

操作模式	發射	測試日期	106 年 12 月 11 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11b

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	20.36	20.49	220.587	23.44	30	Pass
2	2417	20.95	21.06	252.095	24.02	30	Pass
6	2437	24.37	25.04	592.681	27.73	30	Pass
10	2457	21.20	21.34	267.970	24.28	30	Pass
11	2462	21.17	21.32	266.437	24.26	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				
1	2412	17.03	17.14	102.227	20.10	30	Pass
2	2417	20.03	20.12	203.495	23.09	30	Pass
6	2437	21.97	22.77	346.632	25.40	30	Pass
10	2457	19.58	19.71	184.323	22.66	30	Pass
11	2462	17.42	17.50	111.442	20.47	30	Pass

802.11n (20MHz)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
1	2412	16.33	16.74	90.160	19.55	30	Pass
2	2417	17.32	17.38	108.653	20.36	30	Pass
6	2437	21.35	21.37	273.546	24.37	30	Pass
10	2457	15.86	16.21	80.331	19.05	30	Pass
11	2462	15.24	15.78	71.264	18.53	30	Pass

802.11n (40MHz)

Chan.	Chan. Freq. (MHz)	Average Power (dBm)		Total Power (mW)	Total Power (dBm)	Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
3	2422	13.22	13.53	43.531	16.39	30	Pass
4	2427	15.28	15.51	69.292	18.41	30	Pass
6	2437	17.47	17.78	115.826	20.64	30	Pass
8	2447	15.76	15.93	76.844	18.86	30	Pass
9	2452	13.71	14.05	48.906	16.89	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 10 kHz，視訊頻寬為 30kHz，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

同 6.3 節。

8.4 測試配置

同 6.4 節。

8.5 量測結果

操作模式	發射	測試日期	106 年 12 月 11 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11b

TX chain	Channel	Freq. (MHz)	PSD (dBm)	10 log (N=2) dB	Total PSD (dBm)	Limit (dBm)	Pass /Fail
0	1	2412	-6.33	3.01	-3.32	8	Pass
	6	2437	-4.88	3.01	-1.87	8	Pass
	11	2462	-6.74	3.01	-3.73	8	Pass
1	1	2412	-7.08	3.01	-4.07	8	Pass
	6	2437	-4.15	3.01	-1.14	8	Pass
	11	2462	-7.02	3.01	-4.01	8	Pass

NOTE: Directional gain = 5.89dBi <6dBi, so the power density limit is not reduced.

802.11g

TX chain	Channel	Freq. (MHz)	PSD W/O Duty Factor (dBm/10kHz)	10 log (N=2) dB	Duty Factor (dB)	TOTAL PSD With Duty Factor (dBm/10kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-13.62	3.01	0.49	-10.12	8	Pass
	6	2437	-7.60	3.01	0.49	-4.10	8	Pass
	11	2462	-11.24	3.01	0.49	-7.74	8	Pass
1	1	2412	-13.82	3.01	0.49	-10.32	8	Pass
	6	2437	-7.73	3.01	0.49	-4.23	8	Pass
	11	2462	-11.68	3.01	0.49	-8.18	8	Pass

NOTE: Directional gain = 5.89dBi <6dBi, so the power density limit is not reduced.

802.11n (20MHz)

TX chain	Channel	Freq. (MHz)	PSD W/O Duty Factor (dBm/10kHz)	10 log (N=2) dB	Duty Factor (dB)	TOTAL PSD With Duty Factor (dBm/10kHz)	Limit (dBm/3kHz)	Pass /Fail
0	1	2412	-14.92	3.01	0.56	-11.35	8	Pass
	6	2437	-10.41	3.01	0.56	-6.84	8	Pass
	11	2462	-15.12	3.01	0.56	-11.55	8	Pass
1	1	2412	-14.23	3.01	0.56	-10.66	8	Pass
	6	2437	-9.08	3.01	0.56	-5.51	8	Pass
	11	2462	-15.66	3.01	0.56	-12.09	8	Pass

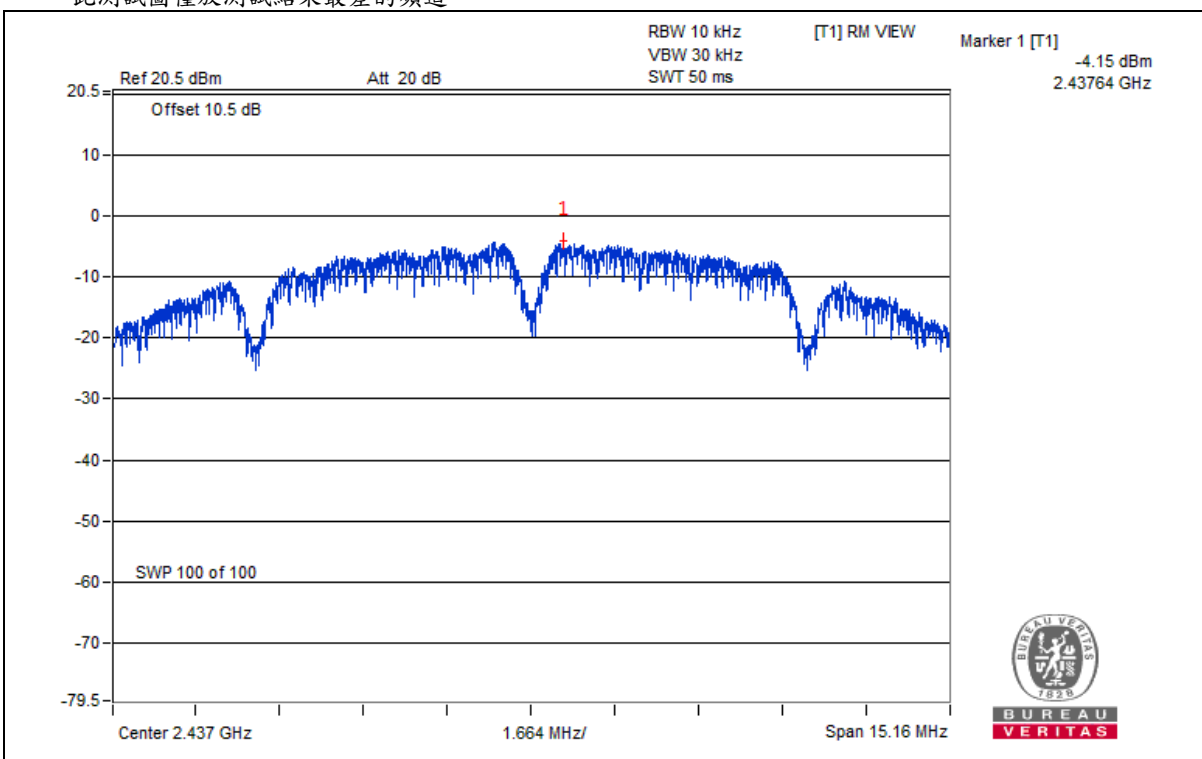
NOTE: Directional gain = 5.89dBi <6dBi, so the power density limit is not reduced.

802.11n (40MHz)

TX chain	Channel	Freq. (MHz)	PSD W/O Duty Factor (dBm/10kHz)	10 log (N=2) dB	Duty Factor (dB)	TOTAL PSD With Duty Factor (dBm/10kHz)	Limit (dBm/3kHz)	Pass /Fail
0	3	2422	-20.52	3.01	1.14	-16.37	8	Pass
	6	2437	-15.75	3.01	1.14	-11.60	8	Pass
	9	2452	-19.77	3.01	1.14	-15.62	8	Pass
1	3	2422	-20.28	3.01	1.14	-16.13	8	Pass
	6	2437	-15.88	3.01	1.14	-11.73	8	Pass
	9	2452	-18.48	3.01	1.14	-14.33	8	Pass

NOTE: Directional gain = 5.89dBi <6dBi, so the power density limit is not reduced.

**此測試圖僅放測試結果最差的頻道。



8.6 測試結果判定

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

量測頻率 9kHz ~ 30MHz :

將待測物置於0.8米高的非金屬桌面，使其操作在工作狀態。接收天線置於3米外離地1米的高度。測試桌面要360度旋轉，另外接收天線也要分別設置為Open軸性(Loop antenna面向EUT)與Close軸性(Loop antenna與EUT垂直)與 ground-parallel軸性(Loop antenna面向地板) 作量測，以找出最大的輻射電場強度。

量測頻率 30MHz 以上:

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

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

9.3 量測儀器

同 4.3 節

9.4 帶外發射之測試配置

同 4.4 節

9.5 場強度之計算

場強之計算公式如下：

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

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

*有效等向輻射功率限制值轉換場強值如下：

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v01r03		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

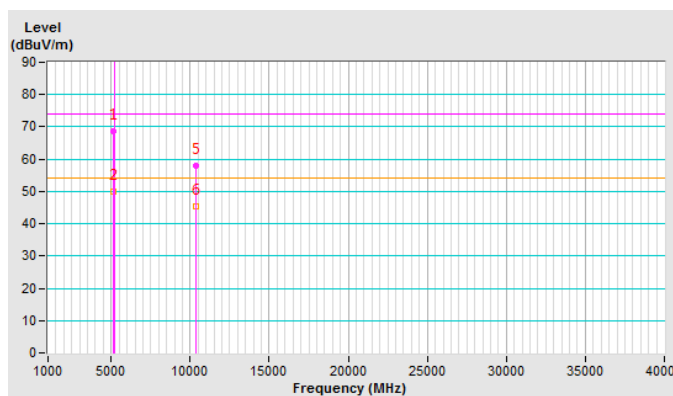
CDD Mode: 802.11a

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=750Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	68.45 PK	74.00	-5.55	1.12 H	268	63.54	4.91
2	5150.00	49.92 AV	54.00	-4.08	1.12 H	268	45.01	4.91
3	*5180.00	108.90 PK			1.12 H	268	103.96	4.94
4	*5180.00	100.21 AV			1.12 H	268	95.27	4.94
5	10360.00	58.07 PK	74.00	-15.93	2.98 H	311	42.54	15.53
6	10360.00	45.41 AV	54.00	-8.59	2.98 H	311	29.88	15.53
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#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.

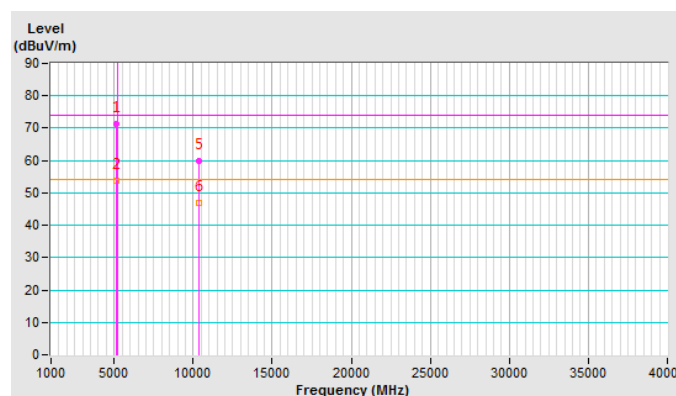


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	71.38 PK	74.00	-2.62	1.54 V	278	66.47	4.91
2	5150.00	53.74 AV	54.00	-0.26	1.54 V	278	48.83	4.91
3	*5180.00	113.23 PK			1.54 V	278	108.29	4.94
4	*5180.00	104.26 AV			1.54 V	278	99.32	4.94
5	10360.00	59.69 PK	74.00	-14.31	1.13 V	202	44.16	15.53
6	10360.00	46.83 AV	54.00	-7.17	1.13 V	202	31.30	15.53
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#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.

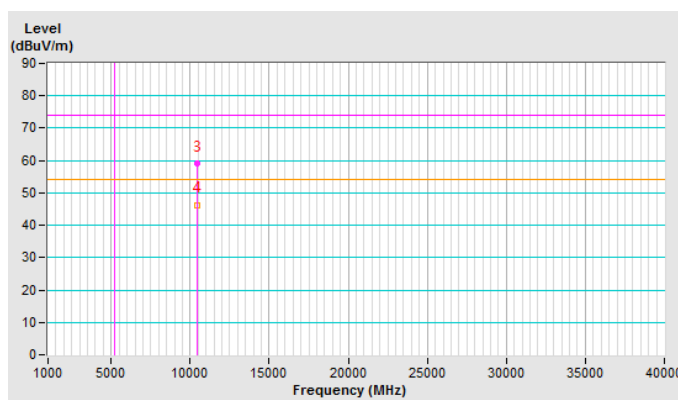


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	113.79 PK			1.25 H	271	108.82	4.97
2	*5200.00	105.13 AV			1.25 H	271	100.16	4.97
3	10400.00	58.99 PK	74.00	-15.01	2.96 H	310	43.41	15.58
4	10400.00	46.33 AV	54.00	-7.67	2.96 H	310	30.75	15.58
5	15600.00	-	-	-	-	-	-	-
6	20800.00	-	-	-	-	-	-	-
7	#26000.00	-	-	-	-	-	-	-
8	31200.00	-	-	-	-	-	-	-
9	#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.

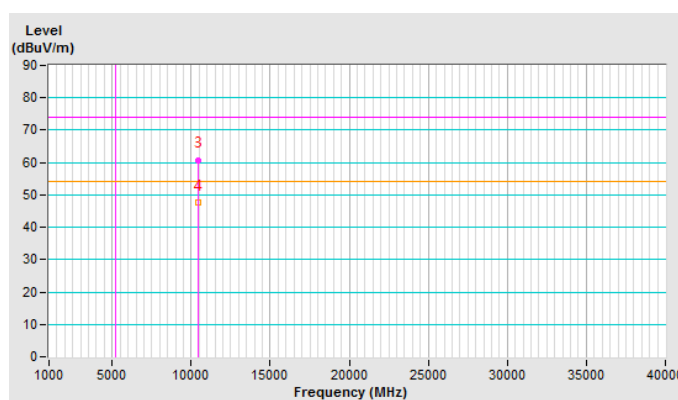


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*5200.00	118.74 PK			1.55 V	286	113.77	4.97
2	*5200.00	109.50 AV			1.55 V	286	104.53	4.97
3	10400.00	60.80 PK	74.00	-13.20	1.15 V	218	45.22	15.58
4	10400.00	47.52 AV	54.00	-6.48	1.15 V	218	31.94	15.58
5	15600.00	-	-	-	-	-	-	-
6	20800.00	-	-	-	-	-	-	-
7	#26000.00	-	-	-	-	-	-	-
8	31200.00	-	-	-	-	-	-	-
9	#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.

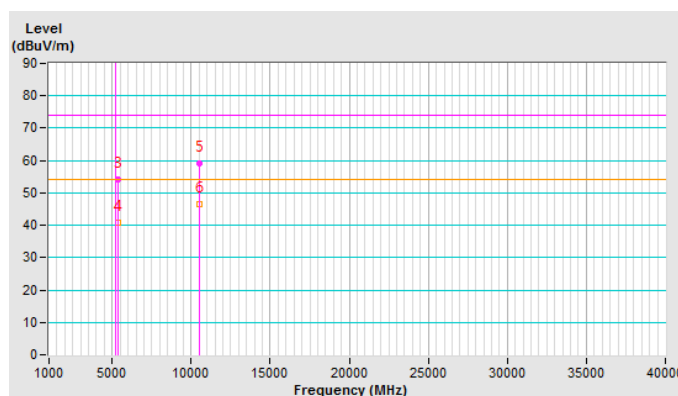


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	113.49 PK			1.22 H	288	108.45	5.04
2	*5240.00	105.06 AV			1.22 H	288	100.02	5.04
3	5350.00	54.22 PK	74.00	-19.78	1.22 H	288	48.87	5.35
4	5350.00	40.91 AV	54.00	-13.09	1.22 H	288	35.56	5.35
5	10480.00	59.04 PK	74.00	-14.96	3.10 H	311	43.28	15.76
6	10480.00	46.45 AV	54.00	-7.55	3.10 H	311	30.69	15.76
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#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.

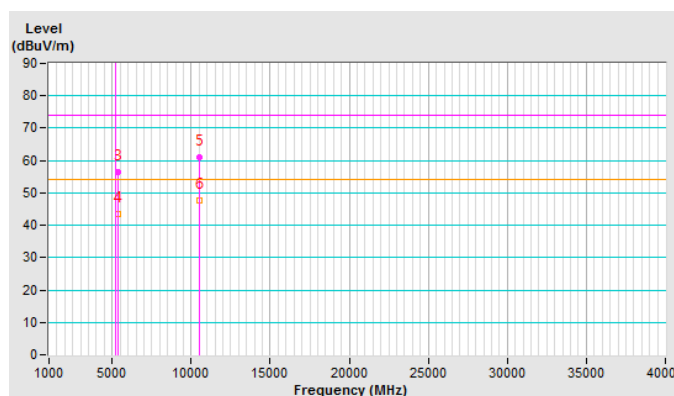


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	117.74 PK			1.53 V	281	112.70	5.04
2	*5240.00	108.84 AV			1.53 V	281	103.80	5.04
3	5350.00	56.37 PK	74.00	-17.63	1.53 V	281	51.02	5.35
4	5350.00	43.57 AV	54.00	-10.43	1.53 V	281	38.22	5.35
5	10480.00	60.88 PK	74.00	-13.12	1.22 V	197	45.12	15.76
6	10480.00	47.64 AV	54.00	-6.36	1.22 V	197	31.88	15.76
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#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.

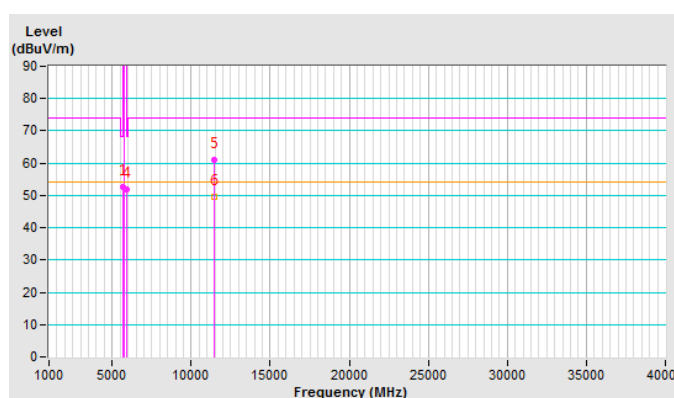


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5649.75	52.57 PK	68.20	-15.63	1.55 H	65	45.96	6.61
2	*5745.00	111.49 PK			1.55 H	65	104.80	6.69
3	*5745.00	102.41 AV			1.55 H	65	95.72	6.69
4	5939.02	51.93 PK	68.20	-16.27	1.55 H	65	44.86	7.07
5	11490.00	61.11 PK	74.00	-12.89	2.23 H	105	44.21	16.90
6	11490.00	49.48 AV	54.00	-4.52	2.23 H	105	32.58	16.90
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

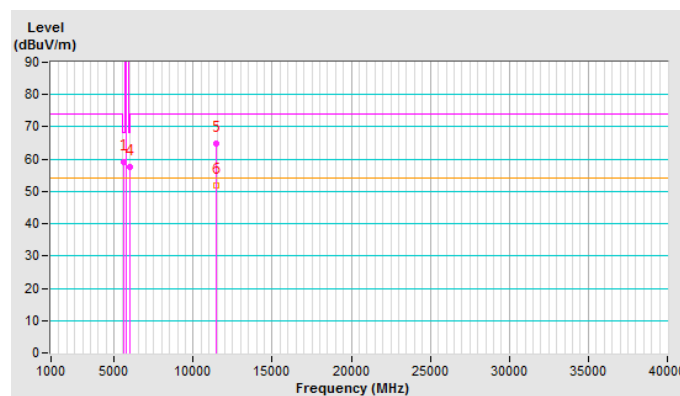


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5634.55	59.03 PK	68.20	-9.17	1.33 V	315	52.43	6.60
2	*5745.00	116.54 PK			1.33 V	315	109.85	6.69
3	*5745.00	107.75 AV			1.33 V	315	101.06	6.69
4	5967.05	57.58 PK	68.20	-10.62	1.33 V	315	50.38	7.20
5	11490.00	64.76 PK	74.00	-9.24	1.22 V	206	47.86	16.90
6	11490.00	51.77 AV	54.00	-2.23	1.22 V	206	34.87	16.90
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

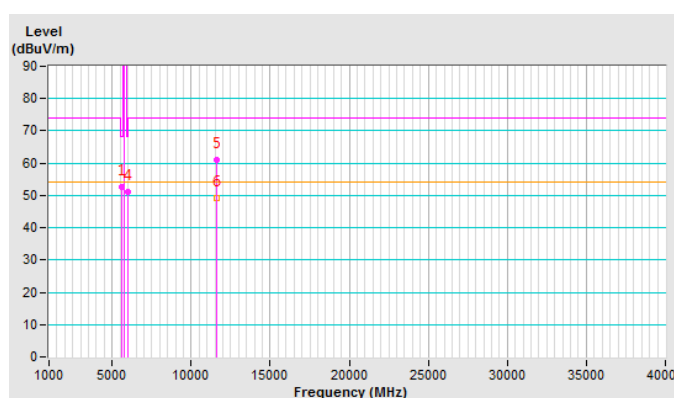


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5623.15	52.73 PK	68.20	-15.47	1.62 H	64	46.14	6.59
2	*5785.00	110.53 PK			1.62 H	64	103.81	6.72
3	*5785.00	101.84 AV			1.62 H	64	95.12	6.72
4	5956.60	51.17 PK	68.20	-17.03	1.62 H	64	44.01	7.16
5	11570.00	60.93 PK	74.00	-13.07	2.54 H	100	44.14	16.79
6	11570.00	49.28 AV	54.00	-4.72	2.54 H	100	32.49	16.79
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

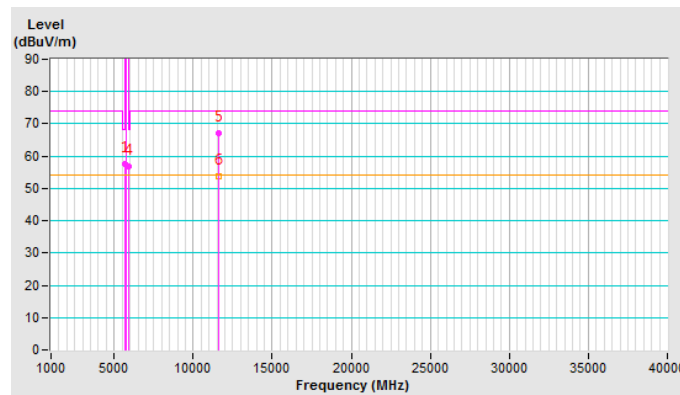


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5649.27	57.53 PK	68.20	-10.67	1.24 V	316	50.92	6.61
2	*5785.00	116.94 PK			1.24 V	316	110.22	6.72
3	*5785.00	107.78 AV			1.24 V	316	101.06	6.72
4	5926.20	56.88 PK	68.20	-11.32	1.24 V	316	49.86	7.02
5	11570.00	66.97 PK	74.00	-7.03	1.03 V	144	50.18	16.79
6	11570.00	53.75 AV	54.00	-0.25	1.03 V	144	36.96	16.79
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

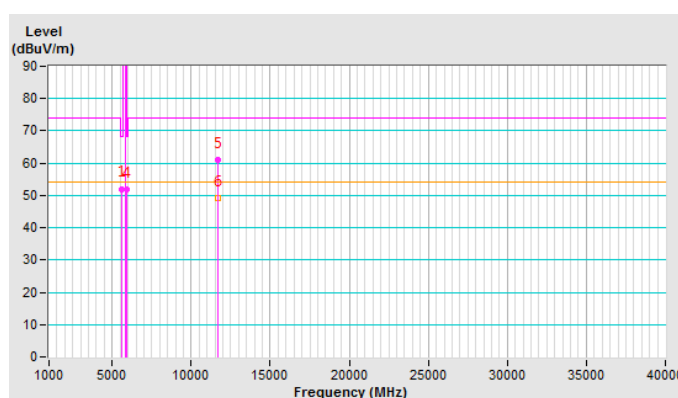


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=750Hz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5637.40	52.02 PK	68.20	-16.18	1.83 H	79	45.42	6.60
2	*5825.00	111.34 PK			1.83 H	79	104.56	6.78
3	*5825.00	102.47 AV			1.83 H	79	95.69	6.78
4	5931.43	51.80 PK	68.20	-16.40	1.83 H	79	44.75	7.05
5	11650.00	60.85 PK	74.00	-13.15	2.86 H	154	44.09	16.76
6	11650.00	49.24 AV	54.00	-4.76	2.86 H	154	32.48	16.76
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (20MHz)

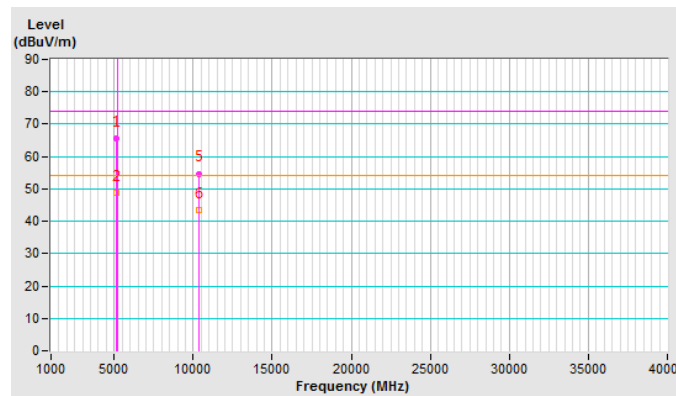
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	65.69 PK	74.00	-8.31	1.50 H	226	60.78	4.91
2	5150.00	48.75 AV	54.00	-5.25	1.50 H	226	43.84	4.91
3	*5180.00	107.81 PK			1.50 H	226	102.87	4.94
4	*5180.00	95.57 AV			1.50 H	226	90.63	4.94
5	10360.00	54.71 PK	74.00	-19.29	3.07 H	341	39.18	15.53
6	10360.00	43.39 AV	54.00	-10.61	3.07 H	341	27.86	15.53
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#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.

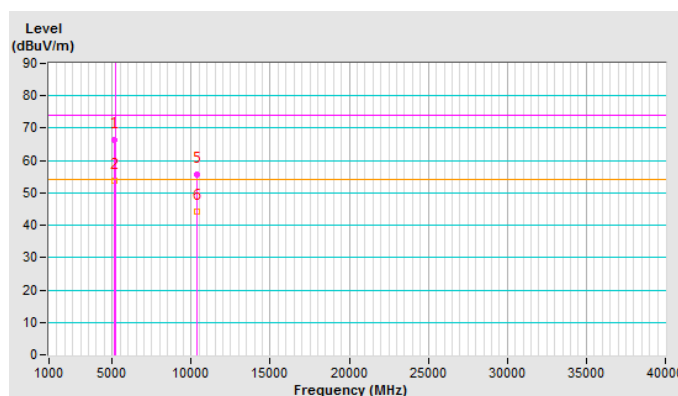


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	66.32 PK	74.00	-7.68	1.54 V	52	61.41	4.91
2	5150.00	53.75 AV	54.00	-0.25	1.54 V	52	48.84	4.91
3	*5180.00	114.08 PK			1.54 V	52	109.14	4.94
4	*5180.00	102.07 AV			1.54 V	52	97.13	4.94
5	10360.00	55.82 PK	74.00	-18.18	2.25 V	105	40.29	15.53
6	10360.00	44.13 AV	54.00	-9.87	2.25 V	105	28.60	15.53
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#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.

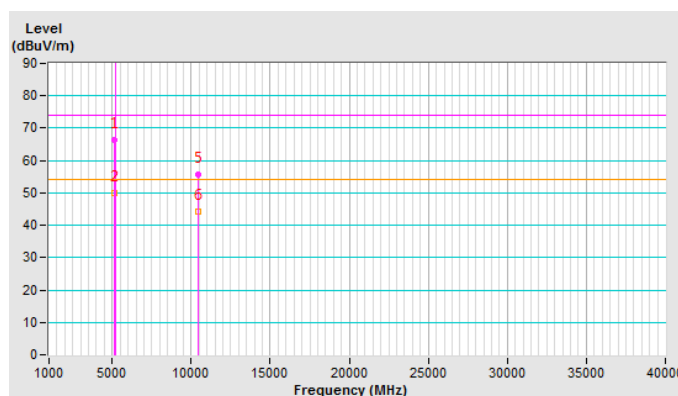


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	66.22 PK	74.00	-7.78	1.44 H	231	61.31	4.91
2	5150.00	49.83 AV	54.00	-4.17	1.44 H	231	44.92	4.91
3	*5200.00	110.72 PK			1.44 H	231	105.75	4.97
4	*5200.00	98.58 AV			1.44 H	231	93.61	4.97
5	10400.00	55.75 PK	74.00	-18.25	3.11 H	351	40.17	15.58
6	10400.00	44.33 AV	54.00	-9.67	3.11 H	351	28.75	15.58
7	15600.00	-	-	-	-	-	-	-
8	20800.00	-	-	-	-	-	-	-
9	#26000.00	-	-	-	-	-	-	-
10	31200.00	-	-	-	-	-	-	-
11	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

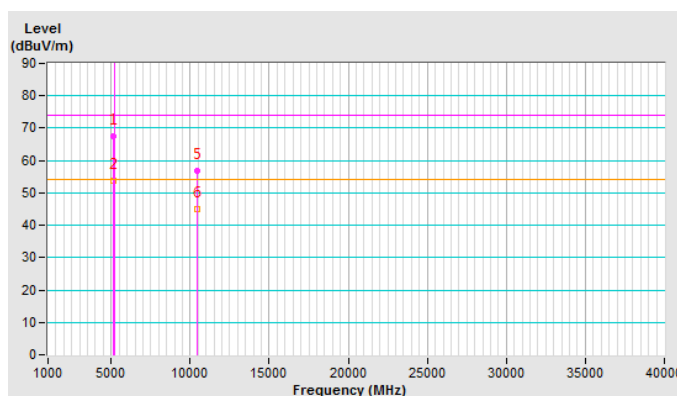


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	67.50 PK	74.00	-6.50	2.29 V	161	62.59	4.91
2	5150.00	53.71 AV	54.00	-0.29	2.29 V	161	48.80	4.91
3	*5200.00	117.08 PK			2.29 V	161	112.11	4.97
4	*5200.00	104.12 AV			2.29 V	161	99.15	4.97
5	10400.00	56.76 PK	74.00	-17.24	2.53 V	118	41.18	15.58
6	10400.00	45.05 AV	54.00	-8.95	2.53 V	118	29.47	15.58
7	15600.00	-	-	-	-	-	-	-
8	20800.00	-	-	-	-	-	-	-
9	#26000.00	-	-	-	-	-	-	-
10	31200.00	-	-	-	-	-	-	-
11	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

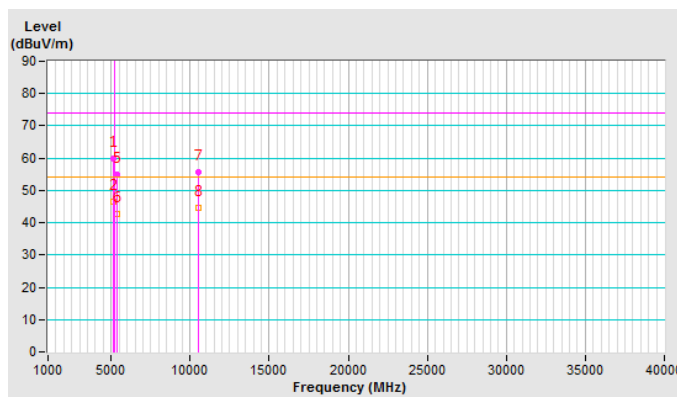


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	59.74 PK	74.00	-14.26	1.58 H	230	54.83	4.91
2	5150.00	46.43 AV	54.00	-7.57	1.58 H	230	41.52	4.91
3	*5240.00	110.28 PK			1.58 H	230	105.24	5.04
4	*5240.00	98.52 AV			1.58 H	230	93.48	5.04
5	5350.00	54.90 PK	74.00	-19.10	1.58 H	230	49.55	5.35
6	5350.00	42.84 AV	54.00	-11.16	1.58 H	230	37.49	5.35
7	10480.00	55.81 PK	74.00	-18.19	2.99 H	325	40.05	15.76
8	10480.00	44.49 AV	54.00	-9.51	2.99 H	325	28.73	15.76
9	15720.00	-	-	-	-	-	-	-
10	20960.00	-	-	-	-	-	-	-
11	#26200.00	-	-	-	-	-	-	-
12	31440.00	-	-	-	-	-	-	-
13	#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.

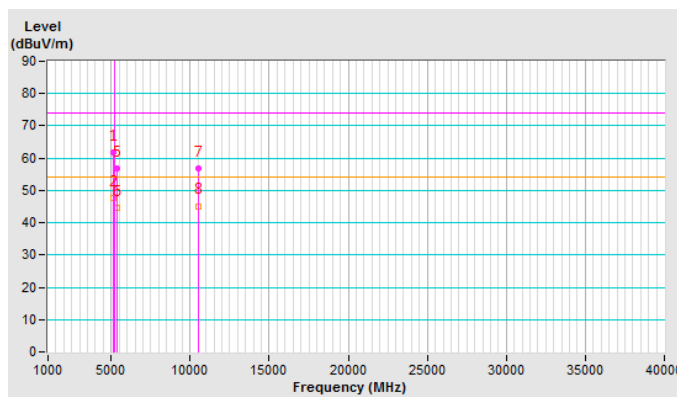


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 10 月 31 日	測試者：	魏郡崎

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	61.71 PK	74.00	-12.29	2.48 V	159	56.80	4.91
2	5150.00	47.74 AV	54.00	-6.26	2.48 V	159	42.83	4.91
3	*5240.00	117.03 PK			2.48 V	159	111.99	5.04
4	*5240.00	104.05 AV			2.48 V	159	99.01	5.04
5	5350.00	56.63 PK	74.00	-17.37	2.48 V	159	51.28	5.35
6	5350.00	44.48 AV	54.00	-9.52	2.48 V	159	39.13	5.35
7	10480.00	56.78 PK	74.00	-17.22	2.18 V	133	41.02	15.76
8	10480.00	45.19 AV	54.00	-8.81	2.18 V	133	29.43	15.76
9	15720.00	-	-	-	-	-	-	-
10	20960.00	-	-	-	-	-	-	-
11	#26200.00	-	-	-	-	-	-	-
12	31440.00	-	-	-	-	-	-	-
13	#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.

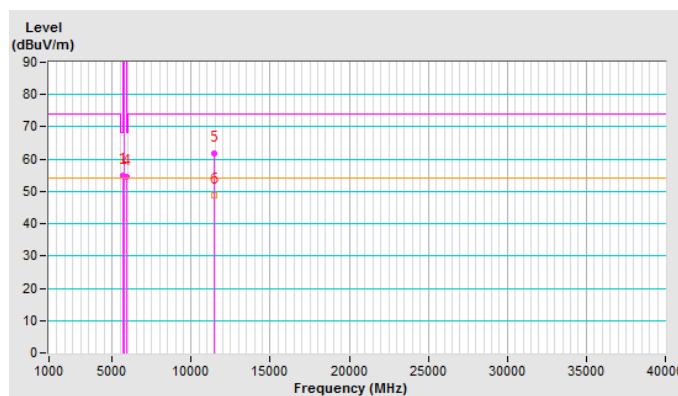


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5643.57	55.05 PK	68.20	-13.15	1.00 H	290	48.43	6.62
2	*5745.00	110.80 PK			1.00 H	290	104.11	6.69
3	*5745.00	98.70 AV			1.00 H	290	92.01	6.69
4	5932.85	54.56 PK	68.20	-13.64	1.00 H	290	47.51	7.05
5	11490.00	61.73 PK	74.00	-12.27	1.93 H	271	44.83	16.90
6	11490.00	48.74 AV	54.00	-5.26	1.93 H	271	31.84	16.90
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

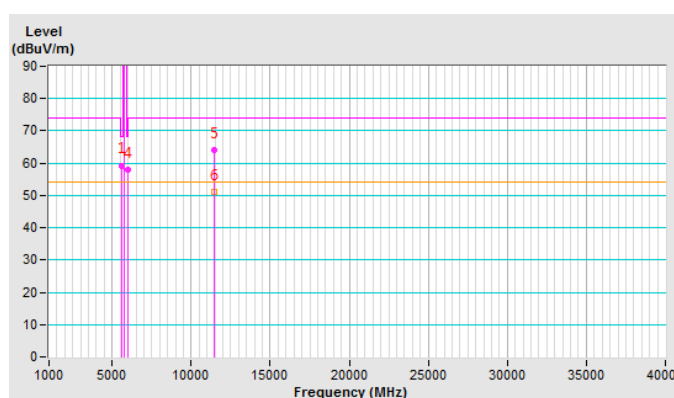


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5629.80	59.27 PK	68.20	-8.93	2.15 V	35	52.68	6.59
2	*5745.00	117.75 PK			2.15 V	35	111.06	6.69
3	*5745.00	104.54 AV			2.15 V	35	97.85	6.69
4	5971.80	57.99 PK	68.20	-10.21	2.15 V	35	50.77	7.22
5	11490.00	63.98 PK	74.00	-10.02	1.05 V	190	47.08	16.90
6	11490.00	51.21 AV	54.00	-2.79	1.05 V	190	34.31	16.90
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

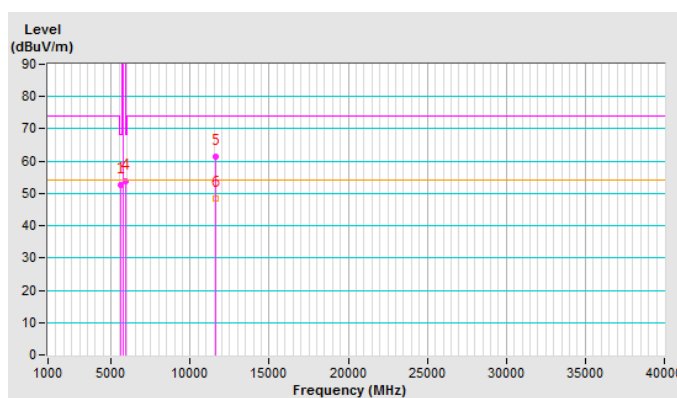


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5638.82	52.77 PK	68.20	-15.43	1.10 H	256	46.16	6.61
2	*5785.00	110.74 PK			1.10 H	256	104.02	6.72
3	*5785.00	98.58 AV			1.10 H	256	91.86	6.72
4	5930.00	53.66 PK	68.20	-14.54	1.10 H	256	46.62	7.04
5	11570.00	61.36 PK	74.00	-12.64	2.18 H	255	44.57	16.79
6	11570.00	48.28 AV	54.00	-5.72	2.18 H	255	31.49	16.79
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

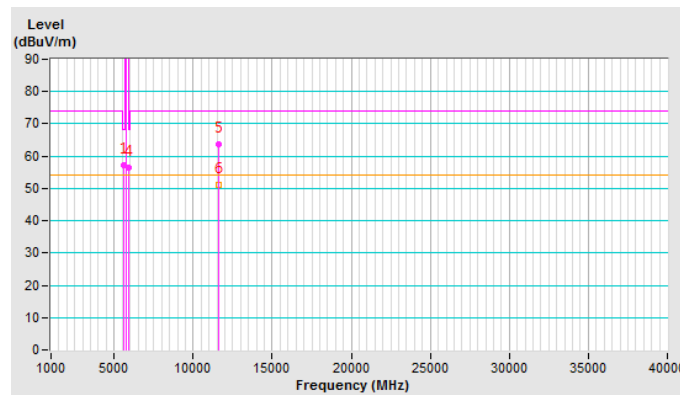


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5630.75	57.27 PK	68.20	-10.93	2.12 V	294	50.67	6.60
2	*5785.00	117.20 PK			2.12 V	294	110.48	6.72
3	*5785.00	104.26 AV			2.12 V	294	97.54	6.72
4	5927.62	56.58 PK	68.20	-11.62	2.12 V	294	49.56	7.02
5	11570.00	63.68 PK	74.00	-10.32	1.19 V	183	46.89	16.79
6	11570.00	50.97 AV	54.00	-3.03	1.19 V	183	34.18	16.79
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

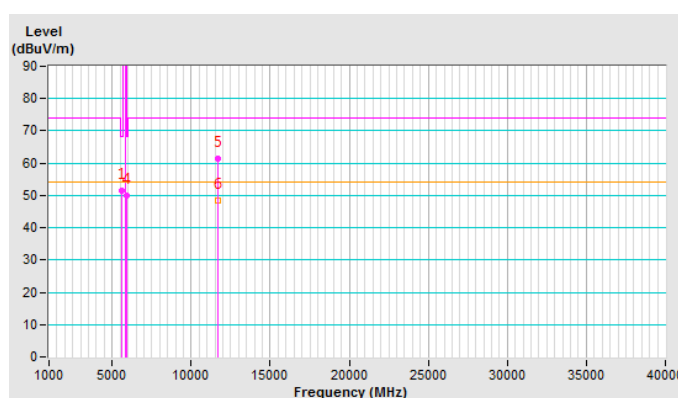


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5635.02	51.35 PK	68.20	-16.85	1.24 H	293	44.75	6.60
2	*5825.00	110.91 PK			1.24 H	293	104.13	6.78
3	*5825.00	98.72 AV			1.24 H	293	91.94	6.78
4	5930.48	49.89 PK	68.20	-18.31	1.24 H	293	42.85	7.04
5	11650.00	61.44 PK	74.00	-12.56	1.94 H	276	44.68	16.76
6	11650.00	48.42 AV	54.00	-5.58	1.94 H	276	31.66	16.76
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

REMARKS:

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

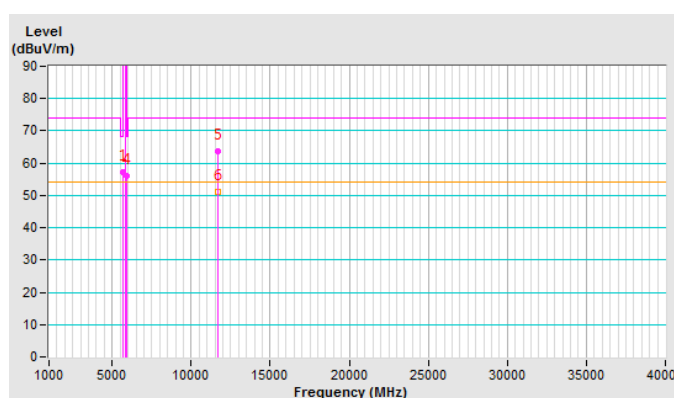


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5641.68	57.26 PK	68.20	-10.94	2.11 V	299	50.66	6.60
2	*5825.00	117.45 PK			2.11 V	299	110.67	6.78
3	*5825.00	104.41 AV			2.11 V	299	97.63	6.78
4	5927.62	56.12 PK	68.20	-12.08	2.11 V	299	49.10	7.02
5	11650.00	63.74 PK	74.00	-10.26	1.55 V	176	46.98	16.76
6	11650.00	50.97 AV	54.00	-3.03	1.55 V	176	34.21	16.76
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (40MHz)

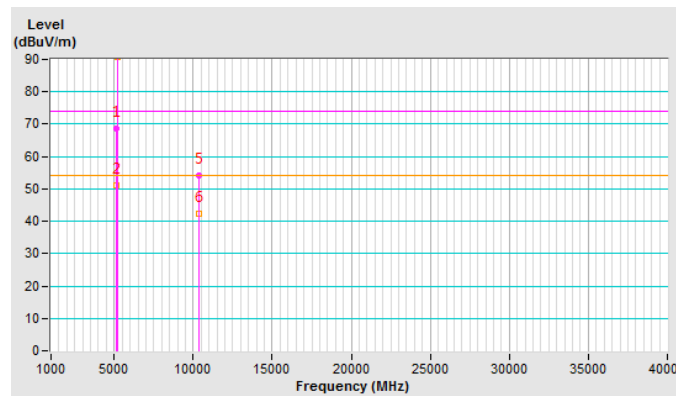
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 1 日	測試者：	魏郡崎

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	68.49 PK	74.00	-5.51	2.26 H	252	63.58	4.91
2	5150.00	51.21 AV	54.00	-2.79	2.26 H	252	46.30	4.91
3	*5190.00	102.45 PK			2.26 H	252	97.49	4.96
4	*5190.00	90.65 AV			2.26 H	252	85.69	4.96
5	10380.00	54.09 PK	74.00	-19.91	3.11 H	208	38.53	15.56
6	10380.00	42.37 AV	54.00	-11.63	3.11 H	208	26.81	15.56
7	15570.00	-	-	-	-	-	-	-
8	20760.00	-	-	-	-	-	-	-
9	#25950.00	-	-	-	-	-	-	-
10	#31140.00	-	-	-	-	-	-	-
11	#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.

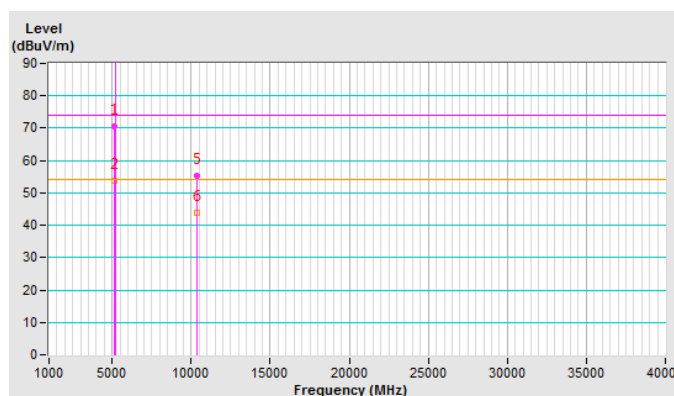


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 1 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	70.61 PK	74.00	-3.39	2.86 V	286	65.70	4.91
2	5150.00	53.73 AV	54.00	-0.27	2.86 V	286	48.82	4.91
3	*5190.00	107.90 PK			2.86 V	286	102.94	4.96
4	*5190.00	94.61 AV			2.86 V	286	89.65	4.96
5	10380.00	55.37 PK	74.00	-18.63	2.85 V	104	39.81	15.56
6	10380.00	43.88 AV	54.00	-10.12	2.85 V	104	28.32	15.56
7	15570.00	-	-	-	-	-	-	-
8	20760.00	-	-	-	-	-	-	-
9	#25950.00	-	-	-	-	-	-	-
10	#31140.00	-	-	-	-	-	-	-
11	#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.

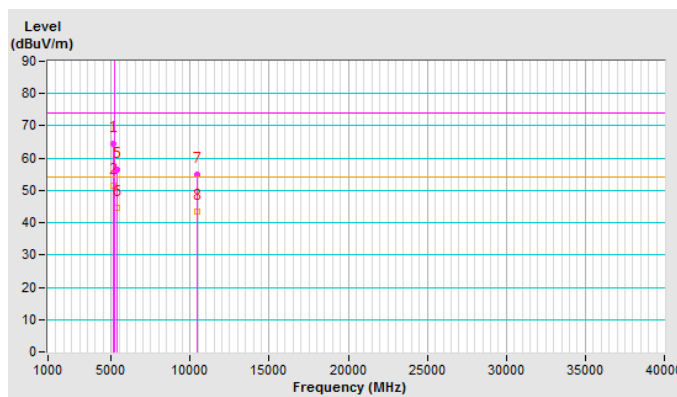


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 1 日	測試者：	魏郡崎

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	64.56 PK	74.00	-9.44	2.27 H	250	59.65	4.91
2	5150.00	51.52 AV	54.00	-2.48	2.27 H	250	46.61	4.91
3	*5230.00	108.13 PK			2.27 H	250	103.11	5.02
4	*5230.00	94.30 AV			2.27 H	250	89.28	5.02
5	5350.00	56.30 PK	74.00	-17.70	2.27 H	250	50.95	5.35
6	5350.00	44.52 AV	54.00	-9.48	2.27 H	250	39.17	5.35
7	10460.00	54.99 PK	74.00	-19.01	3.29 H	198	39.28	15.71
8	10460.00	43.40 AV	54.00	-10.60	3.29 H	198	27.69	15.71
9	15690.00	-	-	-	-	-	-	-
10	20920.00	-	-	-	-	-	-	-
11	#26150.00	-	-	-	-	-	-	-
12	31380.00	-	-	-	-	-	-	-
13	#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.

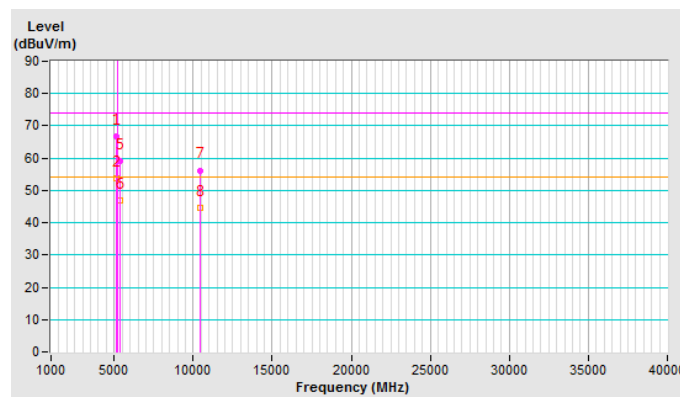


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 1 日	測試者：	魏郡崎

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	66.86 PK	74.00	-7.14	2.55 V	271	61.95	4.91
2	5150.00	53.72 AV	54.00	-0.28	2.55 V	271	48.81	4.91
3	*5230.00	113.23 PK			2.55 V	271	108.21	5.02
4	*5230.00	98.57 AV			2.55 V	271	93.55	5.02
5	5350.00	59.08 PK	74.00	-14.92	2.55 V	271	53.73	5.35
6	5350.00	46.95 AV	54.00	-7.05	2.55 V	271	41.60	5.35
7	10460.00	56.24 PK	74.00	-17.76	2.88 V	109	40.53	15.71
8	10460.00	44.55 AV	54.00	-9.45	2.88 V	109	28.84	15.71
9	15690.00	-	-	-	-	-	-	-
10	20920.00	-	-	-	-	-	-	-
11	#26150.00	-	-	-	-	-	-	-
12	31380.00	-	-	-	-	-	-	-
13	#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.

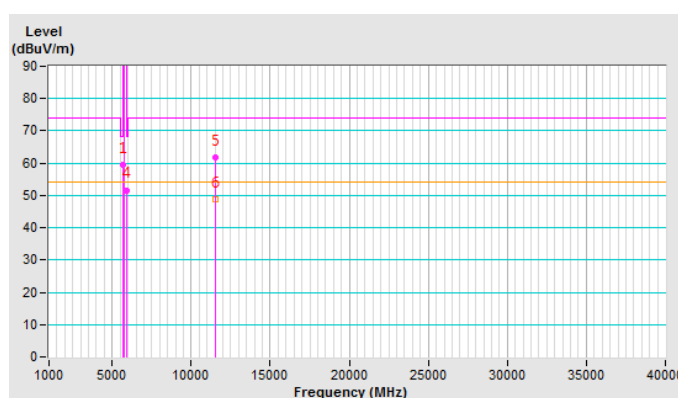


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5647.73	59.44 PK	68.20	-8.76	1.02 H	292	52.83	6.61
2	*5755.00	107.25 PK			1.02 H	292	100.55	6.70
3	*5755.00	94.93 AV			1.02 H	292	88.23	6.70
4	5932.96	51.65 PK	68.20	-16.55	1.02 H	292	44.60	7.05
5	11510.00	61.73 PK	74.00	-12.27	2.59 H	174	44.86	16.87
6	11510.00	48.78 AV	54.00	-5.22	2.59 H	174	31.91	16.87
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

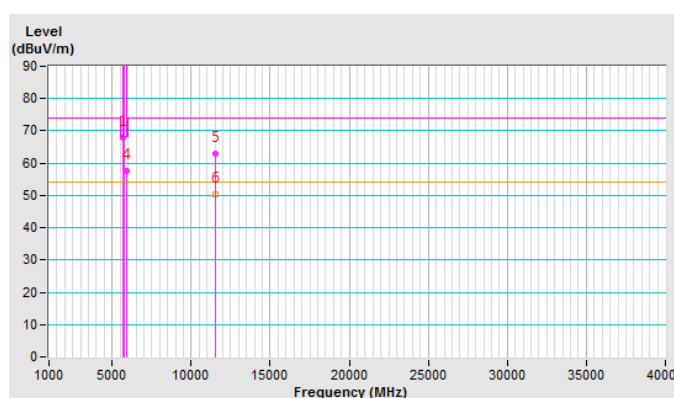


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5649.21	67.94 PK	68.20	-0.26	1.16 V	296	61.33	6.61
2	*5755.00	115.24 PK			1.16 V	296	108.54	6.70
3	*5755.00	100.78 AV			1.16 V	296	94.08	6.70
4	5937.01	57.50 PK	68.20	-10.70	1.16 V	296	50.43	7.07
5	11510.00	63.07 PK	74.00	-10.93	1.12 V	190	46.20	16.87
6	11510.00	50.34 AV	54.00	-3.66	1.12 V	190	33.47	16.87
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

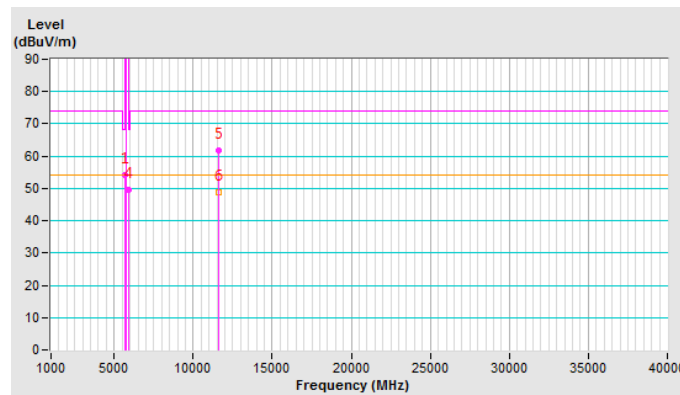


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5652.28	53.97 PK	69.89	-15.92	1.51 H	288	47.36	6.61
2	*5795.00	107.57 PK			1.51 H	288	100.84	6.73
3	*5795.00	95.34 AV			1.51 H	288	88.61	6.73
4	5927.52	49.62 PK	68.20	-18.58	1.51 H	288	42.60	7.02
5	11590.00	61.68 PK	74.00	-12.32	2.66 H	162	44.93	16.75
6	11590.00	48.83 AV	54.00	-5.17	2.66 H	162	32.08	16.75
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

REMARKS:

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

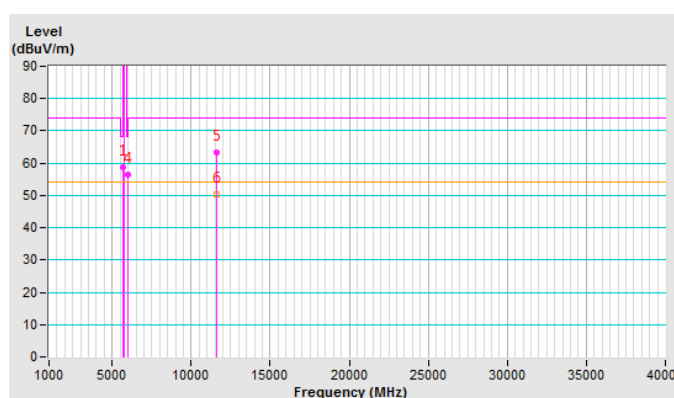


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5647.36	58.62 PK	68.20	-9.58	1.96 V	24	52.01	6.61
2	*5795.00	115.76 PK			1.96 V	24	109.03	6.73
3	*5795.00	101.46 AV			1.96 V	24	94.73	6.73
4	5968.69	56.47 PK	68.20	-11.73	1.96 V	24	49.27	7.20
5	11590.00	63.13 PK	74.00	-10.87	1.27 V	188	46.38	16.75
6	11590.00	50.26 AV	54.00	-3.74	1.27 V	188	33.51	16.75
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (80MHz)

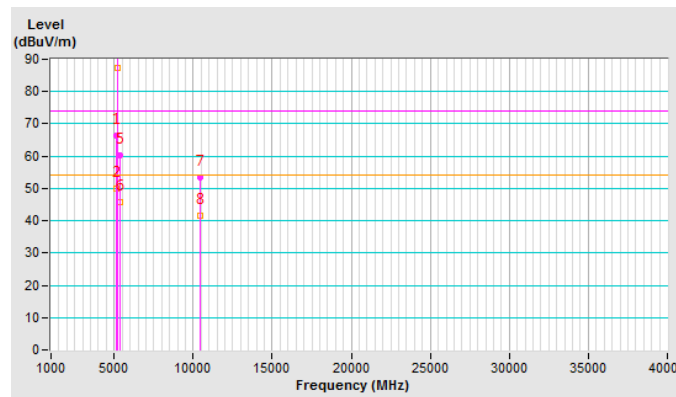
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 1 日	測試者：	魏郡崎

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	66.33 PK	74.00	-7.67	2.31 H	189	61.42	4.91
2	5150.00	49.80 AV	54.00	-4.20	2.31 H	189	44.89	4.91
3	*5210.00	100.11 PK			2.31 H	189	95.13	4.98
4	*5210.00	87.49 AV			2.31 H	189	82.51	4.98
5	5350.00	60.13 PK	74.00	-13.87	2.31 H	189	54.78	5.35
6	5350.00	45.74 AV	54.00	-8.26	2.31 H	189	40.39	5.35
7	10420.00	53.22 PK	74.00	-20.78	2.88 H	254	37.59	15.63
8	10420.00	41.71 AV	54.00	-12.29	2.88 H	254	26.08	15.63
9	15630.00	-	-	-	-	-	-	-
10	20840.00	-	-	-	-	-	-	-
11	#26050.00	-	-	-	-	-	-	-
12	31260.00	-	-	-	-	-	-	-
13	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.

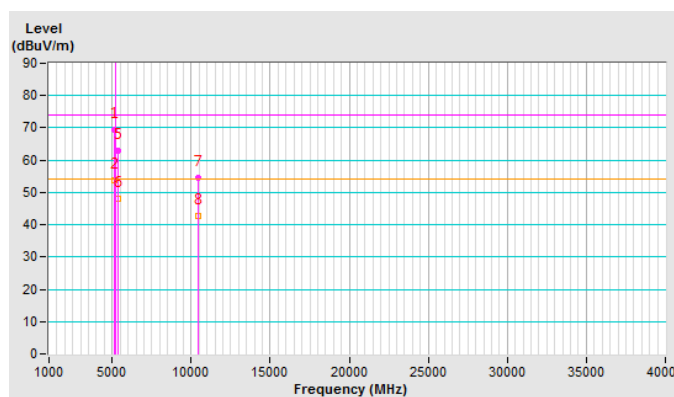


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 1 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	69.23 PK	74.00	-4.77	2.74 V	155	64.32	4.91
2	5150.00	53.76 AV	54.00	-0.24	2.74 V	155	48.85	4.91
3	*5210.00	104.94 PK			2.74 V	155	99.96	4.98
4	*5210.00	91.71 AV			2.74 V	155	86.73	4.98
5	5350.00	62.94 PK	74.00	-11.06	2.74 V	155	57.59	5.35
6	5350.00	48.18 AV	54.00	-5.82	2.74 V	155	42.83	5.35
7	10420.00	54.52 PK	74.00	-19.48	2.73 V	168	38.89	15.63
8	10420.00	42.60 AV	54.00	-11.40	2.73 V	168	26.97	15.63
9	15630.00	-	-	-	-	-	-	-
10	20840.00	-	-	-	-	-	-	-
11	#26050.00	-	-	-	-	-	-	-
12	31260.00	-	-	-	-	-	-	-
13	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.

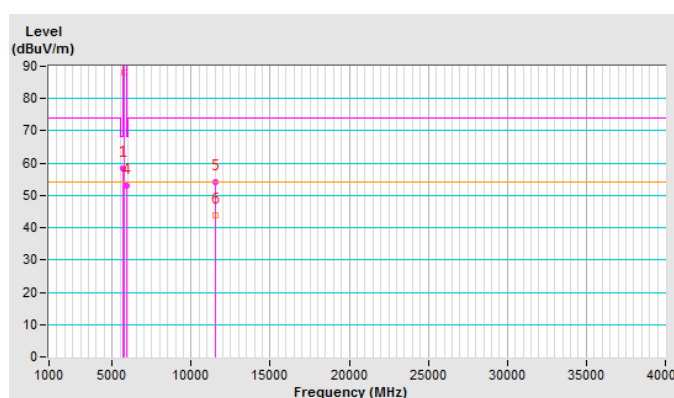


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5647.42	58.48 PK	68.20	-9.72	1.28 H	78	51.87	6.61
2	*5775.00	101.44 PK			1.28 H	78	94.72	6.72
3	*5775.00	88.20 AV			1.28 H	78	81.48	6.72
4	5949.49	53.05 PK	68.20	-15.15	1.28 H	78	45.93	7.12
5	11550.00	54.05 PK	74.00	-19.95	1.95 H	54	37.24	16.81
6	11550.00	43.77 AV	54.00	-10.23	1.95 H	54	26.96	16.81
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

REMARKS:

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

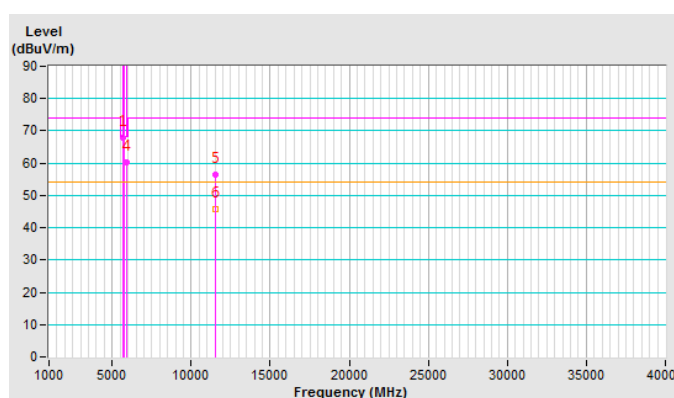


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	5647.22	67.92 PK	68.20	-0.28	3.04 V	9	61.31	6.61
2	*5775.00	110.01 PK			3.04 V	9	103.29	6.72
3	*5775.00	96.35 AV			3.04 V	9	89.63	6.72
4	5937.45	60.40 PK	68.20	-7.80	3.04 V	9	53.33	7.07
5	11550.00	56.57 PK	74.00	-17.43	1.00 V	192	39.76	16.81
6	11550.00	45.64 AV	54.00	-8.36	1.00 V	192	28.83	16.81
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

REMARKS:

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



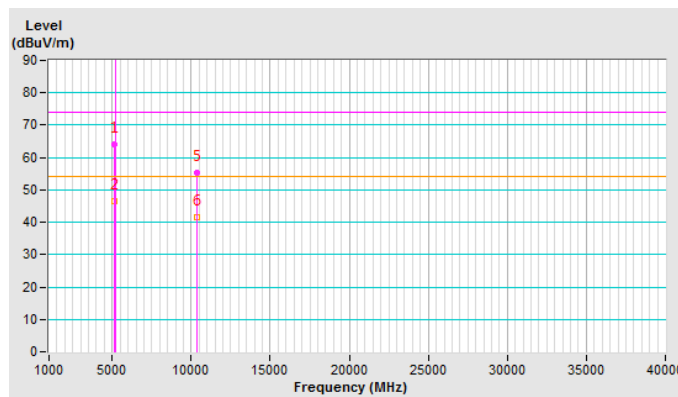
Beamforming_NSS1 Mode: 802.11ac (20MHz)

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=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	63.92 PK	74.00	-10.08	1.44 H	267	59.01	4.91
2	5150.00	46.66 AV	54.00	-7.34	1.44 H	267	41.75	4.91
3	*5180.00	105.47 PK			1.44 H	267	100.53	4.94
4	*5180.00	95.72 AV			1.44 H	267	90.78	4.94
5	10360.00	55.35 PK	74.00	-18.65	1.44 H	295	39.82	15.53
6	10360.00	41.67 AV	54.00	-12.33	1.44 H	295	26.14	15.53
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#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.

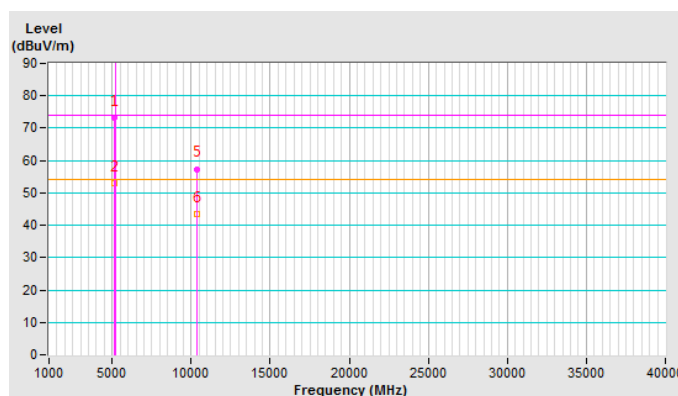


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	73.03 PK	74.00	-0.97	2.98 V	205	68.12	4.91
2	5150.00	53.14 AV	54.00	-0.86	2.98 V	205	48.23	4.91
3	*5180.00	111.22 PK			2.98 V	205	106.28	4.94
4	*5180.00	102.68 AV			2.98 V	205	97.74	4.94
5	10360.00	57.36 PK	74.00	-16.64	2.97 V	36	41.83	15.53
6	10360.00	43.48 AV	54.00	-10.52	2.97 V	36	27.95	15.53
7	15540.00	-	-	-	-	-	-	-
8	20720.00	-	-	-	-	-	-	-
9	#25900.00	-	-	-	-	-	-	-
10	#31080.00	-	-	-	-	-	-	-
11	#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.

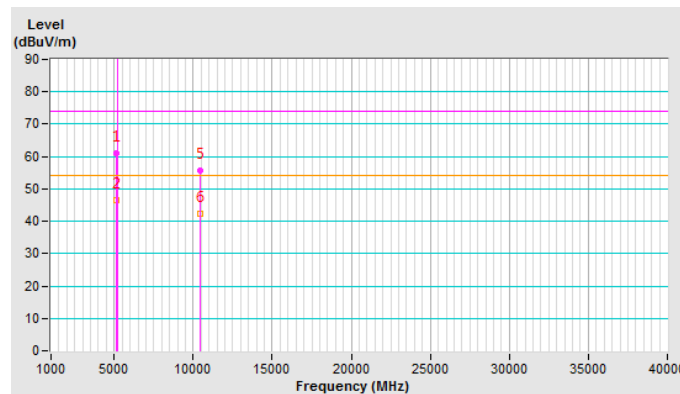


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	61.14 PK	74.00	-12.86	1.59 H	261	56.23	4.91
2	5150.00	46.67 AV	54.00	-7.33	1.59 H	261	41.76	4.91
3	*5200.00	111.56 PK			1.59 H	261	106.59	4.97
4	*5200.00	101.82 AV			1.59 H	261	96.85	4.97
5	10400.00	55.70 PK	74.00	-18.30	1.57 H	299	40.12	15.58
6	10400.00	42.20 AV	54.00	-11.80	1.57 H	299	26.62	15.58
7	15600.00	-	-	-	-	-	-	-
8	20800.00	-	-	-	-	-	-	-
9	#26000.00	-	-	-	-	-	-	-
10	31200.00	-	-	-	-	-	-	-
11	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

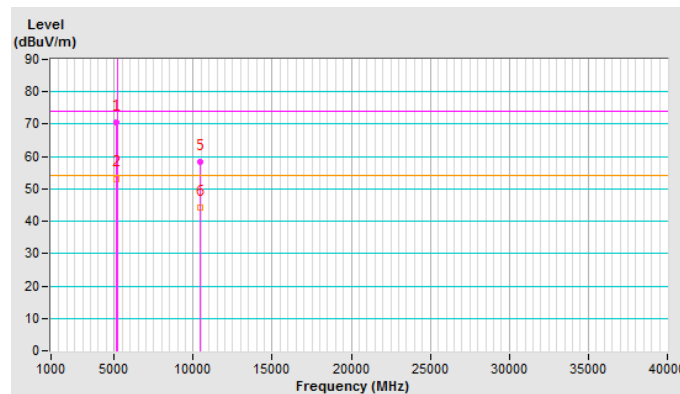


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5150.00	70.57 PK	74.00	-3.43	2.84 V	204	65.66	4.91
2	5150.00	53.19 AV	54.00	-0.81	2.84 V	204	48.28	4.91
3	*5200.00	117.31 PK			2.84 V	204	112.34	4.97
4	*5200.00	107.61 AV			2.84 V	204	102.64	4.97
5	10400.00	58.35 PK	74.00	-15.65	3.11 V	48	42.77	15.58
6	10400.00	44.12 AV	54.00	-9.88	3.11 V	48	28.54	15.58
7	15600.00	-	-	-	-	-	-	-
8	20800.00	-	-	-	-	-	-	-
9	#26000.00	-	-	-	-	-	-	-
10	31200.00	-	-	-	-	-	-	-
11	#36400.00	-	-	-	-	-	-	-

REMARKS:

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

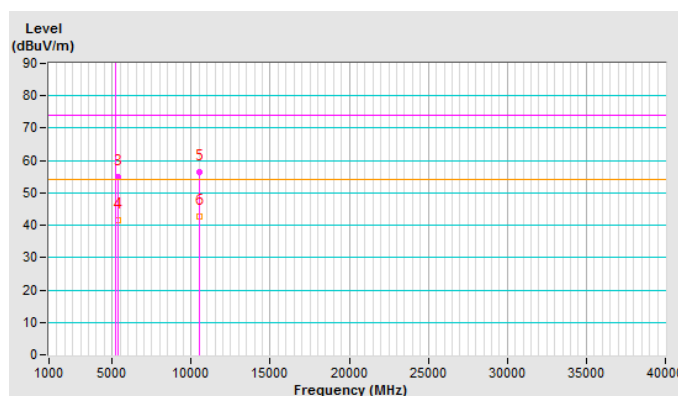


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	112.46 PK			1.73 H	288	107.42	5.04
2	*5240.00	102.33 AV			1.73 H	288	97.29	5.04
3	5350.00	54.93 PK	74.00	-19.07	1.73 H	288	49.58	5.35
4	5350.00	41.46 AV	54.00	-12.54	1.73 H	288	36.11	5.35
5	10480.00	56.38 PK	74.00	-17.62	1.69 H	275	40.62	15.76
6	10480.00	42.57 AV	54.00	-11.43	1.69 H	275	26.81	15.76
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#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.

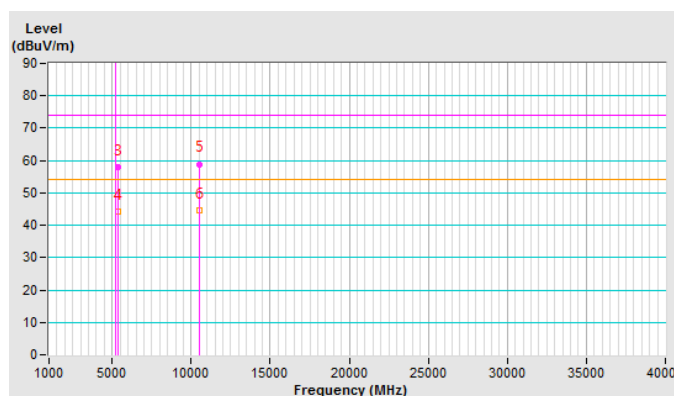


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	118.72 PK			2.57 V	340	113.68	5.04
2	*5240.00	108.04 AV			2.57 V	340	103.00	5.04
3	5350.00	57.81 PK	74.00	-16.19	2.57 V	340	52.46	5.35
4	5350.00	44.18 AV	54.00	-9.82	2.57 V	340	38.83	5.35
5	10480.00	58.88 PK	74.00	-15.12	3.22 V	91	43.12	15.76
6	10480.00	44.47 AV	54.00	-9.53	3.22 V	91	28.71	15.76
7	15720.00	-	-	-	-	-	-	-
8	20960.00	-	-	-	-	-	-	-
9	#26200.00	-	-	-	-	-	-	-
10	31440.00	-	-	-	-	-	-	-
11	#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.

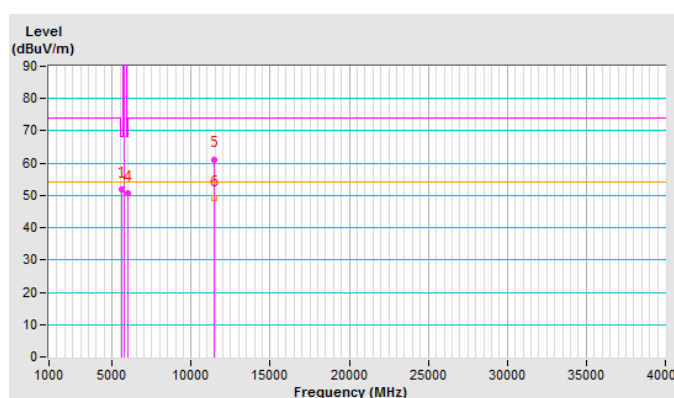


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5621.68	51.82 PK	68.20	-16.38	2.65 H	301	45.24	6.58
2	*5745.00	110.56 PK			2.65 H	301	103.87	6.69
3	*5745.00	102.58 AV			2.65 H	301	95.89	6.69
4	5954.08	50.73 PK	68.20	-17.47	2.65 H	301	43.59	7.14
5	11490.00	61.17 PK	74.00	-12.83	1.78 H	218	44.27	16.90
6	11490.00	49.19 AV	54.00	-4.81	1.78 H	218	32.29	16.90
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

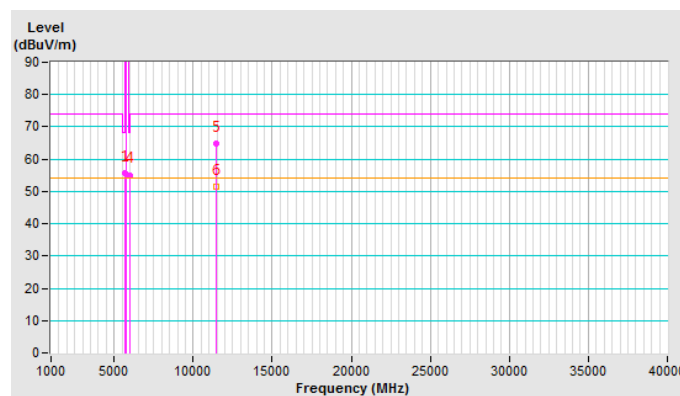


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5648.29	55.55 PK	68.20	-12.65	1.73 V	78	48.95	6.60
2	*5745.00	117.12 PK			1.73 V	78	110.43	6.69
3	*5745.00	108.21 AV			1.73 V	78	101.52	6.69
4	5963.82	55.10 PK	68.20	-13.10	1.73 V	78	47.92	7.18
5	11490.00	64.73 PK	74.00	-9.27	3.51 V	162	47.83	16.90
6	11490.00	51.41 AV	54.00	-2.59	3.51 V	162	34.51	16.90
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

REMARKS:

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

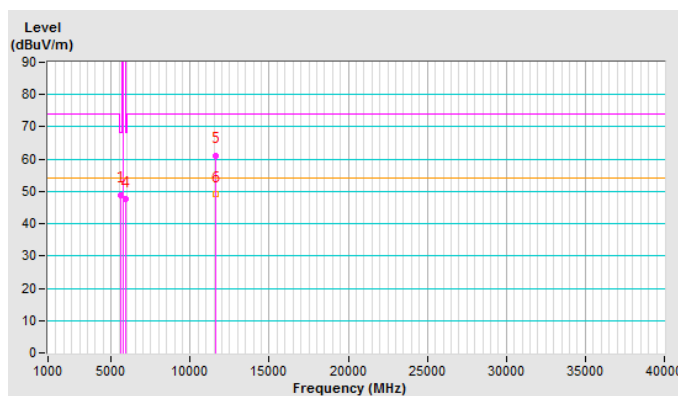


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5621.02	49.00 PK	68.20	-19.20	2.55 H	311	42.41	6.59
2	*5785.00	110.94 PK			2.55 H	311	104.22	6.72
3	*5785.00	102.64 AV			2.55 H	311	95.92	6.72
4	5930.06	47.48 PK	68.20	-20.72	2.55 H	311	40.44	7.04
5	11570.00	61.18 PK	74.00	-12.82	1.81 H	207	44.39	16.79
6	11570.00	49.21 AV	54.00	-4.79	1.81 H	207	32.42	16.79
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

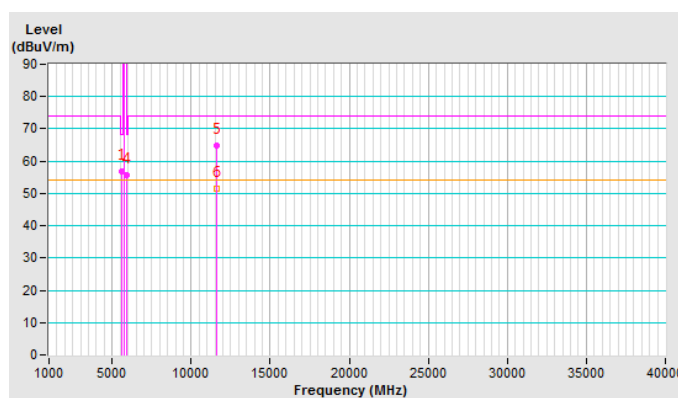


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 157：5785 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5625.16	56.79 PK	68.20	-11.41	3.27 V	136	50.20	6.59
2	*5785.00	117.66 PK			3.27 V	136	110.94	6.72
3	*5785.00	109.03 AV			3.27 V	136	102.31	6.72
4	5929.94	55.78 PK	68.20	-12.42	3.27 V	136	48.74	7.04
5	11570.00	64.68 PK	74.00	-9.32	3.55 V	181	47.89	16.79
6	11570.00	51.45 AV	54.00	-2.55	3.55 V	181	34.66	16.79
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

REMARKS:

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

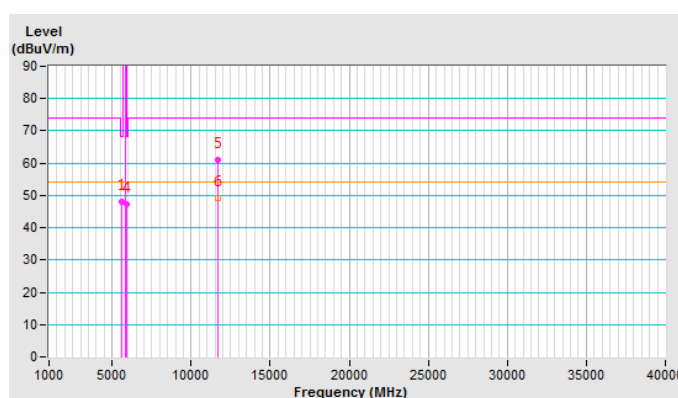


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (m)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	5624.42	48.13 PK	68.20	-20.07	2.88 H	291	41.53	6.60
2	*5825.00	110.69 PK			2.88 H	291	103.91	6.78
3	*5825.00	102.76 AV			2.88 H	291	95.98	6.78
4	5942.34	47.29 PK	68.20	-20.91	2.88 H	291	40.20	7.09
5	11650.00	61.11 PK	74.00	-12.89	2.11 H	211	44.35	16.76
6	11650.00	49.07 AV	54.00	-4.93	2.11 H	211	32.31	16.76
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

REMARKS:

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

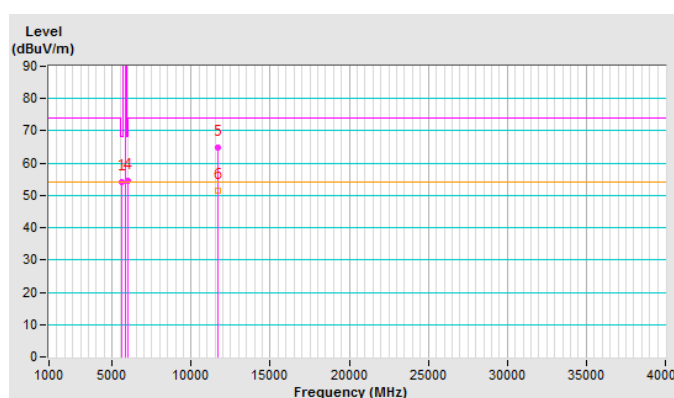


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5626.90	54.03 PK	68.20	-14.17	2.47 V	63	47.44	6.59
2	*5825.00	117.70 PK			2.47 V	63	110.92	6.78
3	*5825.00	109.38 AV			2.47 V	63	102.60	6.78
4	5956.29	54.40 PK	68.20	-13.80	2.47 V	63	47.24	7.16
5	11650.00	64.75 PK	74.00	-9.25	3.22 V	183	47.99	16.76
6	11650.00	51.47 AV	54.00	-2.53	3.22 V	183	34.71	16.76
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (40MHz)

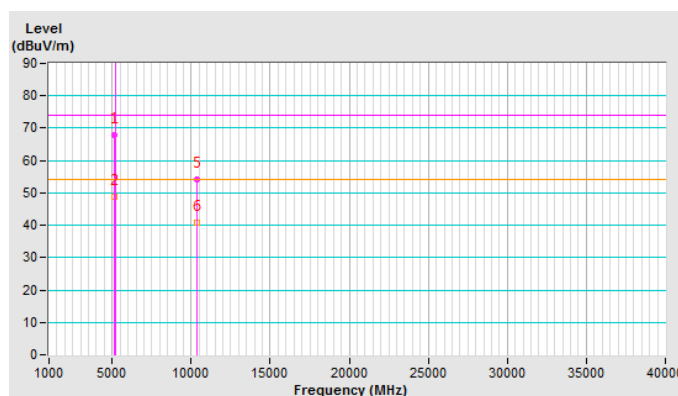
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	67.85 PK	74.00	-6.15	1.52 H	291	62.94	4.91
2	5150.00	48.68 AV	54.00	-5.32	1.52 H	291	43.77	4.91
3	*5190.00	101.83 PK			1.52 H	291	96.87	4.96
4	*5190.00	92.95 AV			1.52 H	291	87.99	4.96
5	10380.00	54.12 PK	74.00	-19.88	1.57 H	159	38.56	15.56
6	10380.00	40.89 AV	54.00	-13.11	1.57 H	159	25.33	15.56
7	15570.00	-	-	-	-	-	-	-
8	20760.00	-	-	-	-	-	-	-
9	#25950.00	-	-	-	-	-	-	-
10	#31140.00	-	-	-	-	-	-	-
11	#36330.00	-	-	-	-	-	-	-

REMARKS:

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

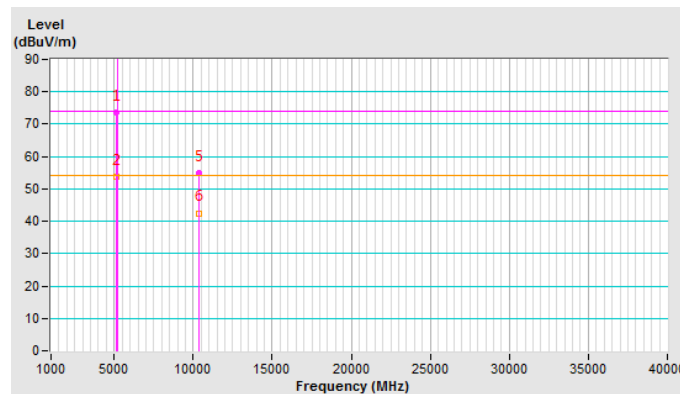


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	73.46 PK	74.00	-0.54	1.99 V	337	68.55	4.91
2	5150.00	53.61 AV	54.00	-0.39	1.99 V	337	48.70	4.91
3	*5190.00	109.61 PK			1.99 V	337	104.65	4.96
4	*5190.00	100.97 AV			1.99 V	337	96.01	4.96
5	10380.00	54.94 PK	74.00	-19.06	1.07 V	200	39.38	15.56
6	10380.00	42.49 AV	54.00	-11.51	1.07 V	200	26.93	15.56
7	15570.00	-	-	-	-	-	-	-
8	20760.00	-	-	-	-	-	-	-
9	#25950.00	-	-	-	-	-	-	-
10	#31140.00	-	-	-	-	-	-	-
11	#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.

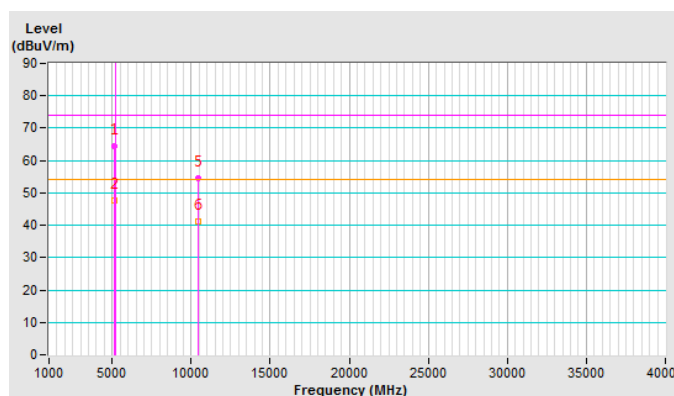


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	64.53 PK	74.00	-9.47	1.51 H	284	59.62	4.91
2	5150.00	47.79 AV	54.00	-6.21	1.51 H	284	42.88	4.91
3	*5230.00	99.95 PK			1.51 H	284	94.93	5.02
4	*5230.00	91.05 AV			1.51 H	284	86.03	5.02
5	10460.00	54.40 PK	74.00	-19.60	1.48 H	167	38.69	15.71
6	10460.00	41.19 AV	54.00	-12.81	1.48 H	167	25.48	15.71
7	15690.00	-	-	-	-	-	-	-
8	20920.00	-	-	-	-	-	-	-
9	#26150.00	-	-	-	-	-	-	-
10	31380.00	-	-	-	-	-	-	-
11	#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.

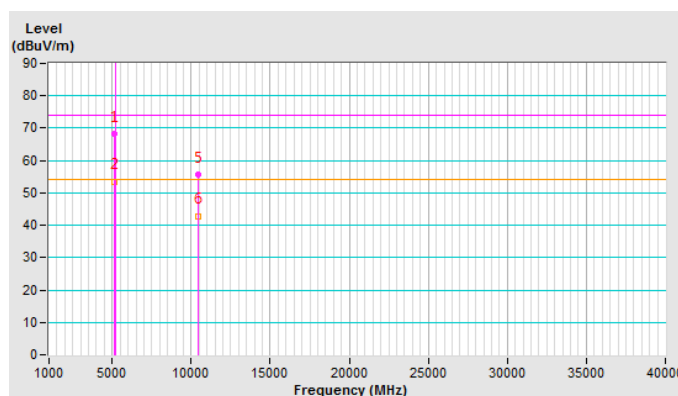


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	68.27 PK	74.00	-5.73	2.96 V	270	63.36	4.91
2	5150.00	53.54 AV	54.00	-0.46	2.96 V	270	48.63	4.91
3	*5230.00	111.85 PK			2.96 V	270	106.83	5.02
4	*5230.00	102.79 AV			2.96 V	270	97.77	5.02
5	10460.00	55.55 PK	74.00	-18.45	1.11 V	195	39.84	15.71
6	10460.00	42.90 AV	54.00	-11.10	1.11 V	195	27.19	15.71
7	15690.00	-	-	-	-	-	-	-
8	20920.00	-	-	-	-	-	-	-
9	#26150.00	-	-	-	-	-	-	-
10	31380.00	-	-	-	-	-	-	-
11	#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.

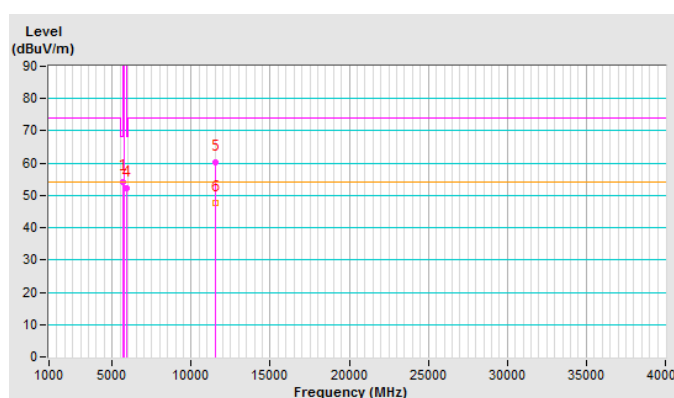


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5644.87	54.23 PK	68.20	-13.97	3.03 H	308	47.62	6.61
2	*5755.00	107.86 PK			3.03 H	308	101.16	6.70
3	*5755.00	99.49 AV			3.03 H	308	92.79	6.70
4	5951.97	52.31 PK	68.20	-15.89	3.03 H	308	45.18	7.13
5	11510.00	60.38 PK	74.00	-13.62	2.43 H	181	43.51	16.87
6	11510.00	47.74 AV	54.00	-6.26	2.43 H	181	30.87	16.87
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

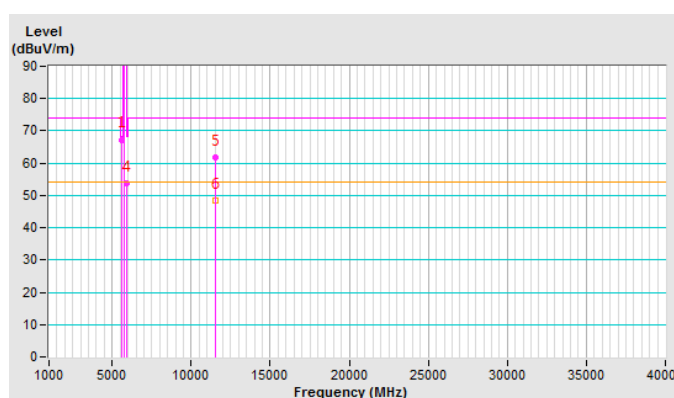


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 151：5755 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5638.86	67.29 PK	68.20	-0.91	3.02 V	120	60.68	6.61
2	*5755.00	114.24 PK			3.02 V	120	107.54	6.70
3	*5755.00	106.51 AV			3.02 V	120	99.81	6.70
4	5945.12	53.59 PK	68.20	-14.61	3.02 V	120	46.49	7.10
5	11510.00	61.76 PK	74.00	-12.24	2.81 V	255	44.89	16.87
6	11510.00	48.30 AV	54.00	-5.70	2.81 V	255	31.43	16.87
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

REMARKS:

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

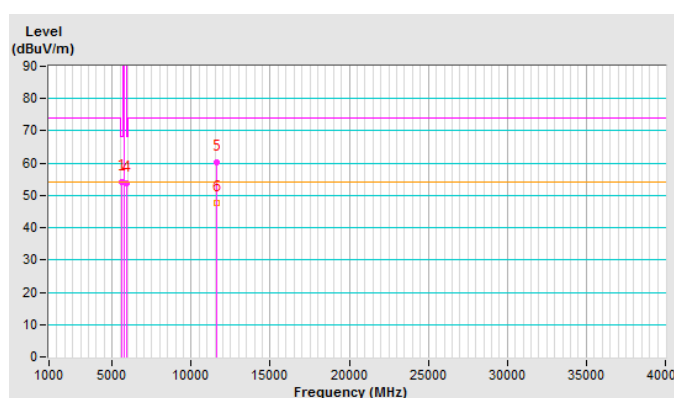


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5622.95	54.05 PK	68.20	-14.15	2.60 H	330	47.46	6.59
2	*5795.00	108.96 PK			2.60 H	330	102.23	6.73
3	*5795.00	99.64 AV			2.60 H	330	92.91	6.73
4	5929.67	53.77 PK	68.20	-14.43	2.60 H	330	46.74	7.03
5	11590.00	60.34 PK	74.00	-13.66	2.98 H	155	43.59	16.75
6	11590.00	47.67 AV	54.00	-6.33	2.98 H	155	30.92	16.75
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

REMARKS:

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

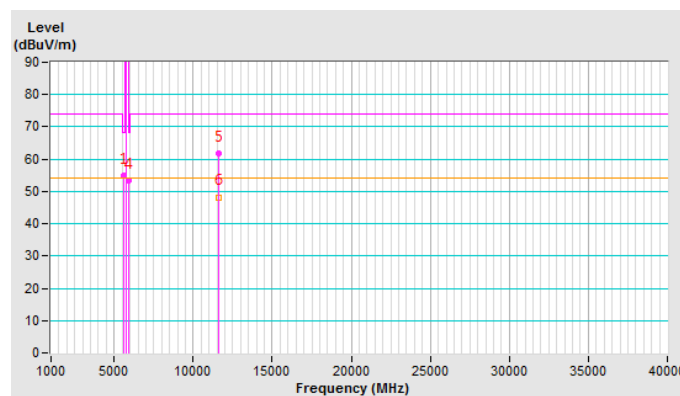


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 159：5795 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=5.1kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5635.19	55.06 PK	68.20	-13.14	1.96 V	82	48.46	6.60
2	*5795.00	114.57 PK			1.96 V	82	107.84	6.73
3	*5795.00	106.84 AV			1.96 V	82	100.11	6.73
4	5950.79	53.37 PK	68.20	-14.83	1.96 V	82	46.24	7.13
5	11590.00	61.68 PK	74.00	-12.32	2.45 V	251	44.93	16.75
6	11590.00	48.24 AV	54.00	-5.76	2.45 V	251	31.49	16.75
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

REMARKS:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. 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 (80MHz)

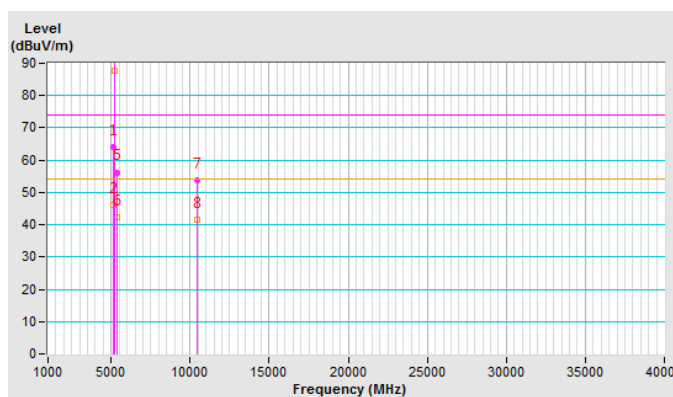
操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26℃	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	63.96 PK	74.00	-10.04	2.47 H	259	59.05	4.91
2	5150.00	45.99 AV	54.00	-8.01	2.47 H	259	41.08	4.91
3	*5210.00	97.04 PK			2.47 H	259	92.06	4.98
4	*5210.00	87.87 AV			2.47 H	259	82.89	4.98
5	5350.00	56.23 PK	74.00	-17.77	2.47 H	259	50.88	5.35
6	5350.00	42.31 AV	54.00	-11.69	2.47 H	259	36.96	5.35
7	10420.00	53.78 PK	74.00	-20.22	1.33 H	81	38.15	15.63
8	10420.00	41.39 AV	54.00	-12.61	1.33 H	81	25.76	15.63
9	15630.00	-	-	-	-	-	-	-
10	20840.00	-	-	-	-	-	-	-
11	#26050.00	-	-	-	-	-	-	-
12	31260.00	-	-	-	-	-	-	-
13	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.

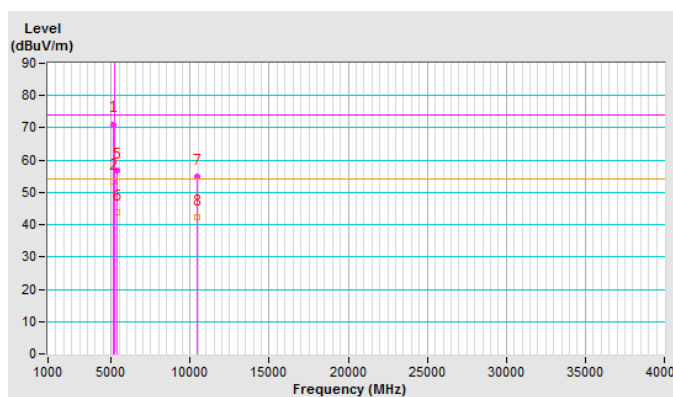


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	71.10 PK	74.00	-2.90	2.31 V	201	66.19	4.91
2	5150.00	53.24 AV	54.00	-0.76	2.31 V	201	48.33	4.91
3	*5210.00	103.64 PK			2.31 V	201	98.66	4.98
4	*5210.00	94.54 AV			2.31 V	201	89.56	4.98
5	5350.00	56.82 PK	74.00	-17.18	2.31 V	201	51.47	5.35
6	5350.00	43.73 AV	54.00	-10.27	2.31 V	201	38.38	5.35
7	10420.00	54.90 PK	74.00	-19.10	1.51 V	217	39.27	15.63
8	10420.00	42.44 AV	54.00	-11.56	1.51 V	217	26.81	15.63
9	15630.00	-	-	-	-	-	-	-
10	20840.00	-	-	-	-	-	-	-
11	#26050.00	-	-	-	-	-	-	-
12	31260.00	-	-	-	-	-	-	-
13	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.

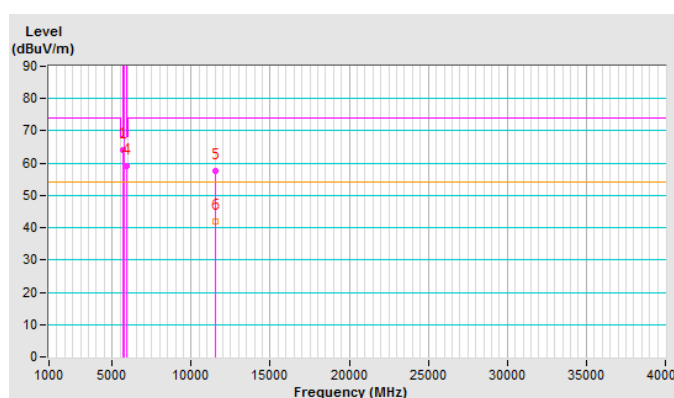


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5646.77	64.00 PK	68.20	-4.20	2.51 H	338	57.39	6.61
2	*5775.00	109.81 PK			2.51 H	338	103.09	6.72
3	*5775.00	100.75 AV			2.51 H	338	94.03	6.72
4	5939.25	58.96 PK	68.20	-9.24	2.51 H	338	51.89	7.07
5	11550.00	57.62 PK	74.00	-16.38	2.58 H	83	40.81	16.81
6	11550.00	41.95 AV	54.00	-12.05	2.58 H	83	25.14	16.81
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

REMARKS:

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

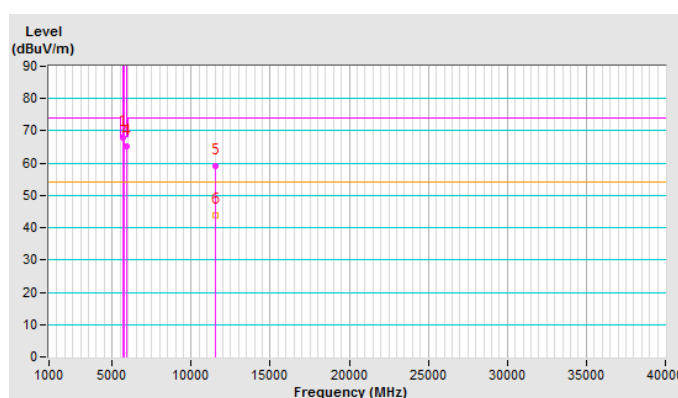


操作模式：	發射	調變技術：	OFDM
基本波頻率：	CH 155：5775 MHz	測試儀器：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=8.2kHz
量測場地溫度：	26°C	量測場地濕度：	69%RH
測試日期：	106 年 11 月 3 日	測試者：	魏郡崎

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	5645.50	67.78 PK	68.20	-0.42	1.82 V	73	61.17	6.61
2	*5775.00	111.20 PK			1.82 V	73	104.48	6.72
3	*5775.00	102.01 AV			1.82 V	73	95.29	6.72
4	5925.10	65.31 PK	68.20	-2.89	1.82 V	73	58.29	7.02
5	11550.00	59.10 PK	74.00	-14.90	1.15 V	193	42.29	16.81
6	11550.00	43.70 AV	54.00	-10.30	1.15 V	193	26.89	16.81
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

REMARKS:

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



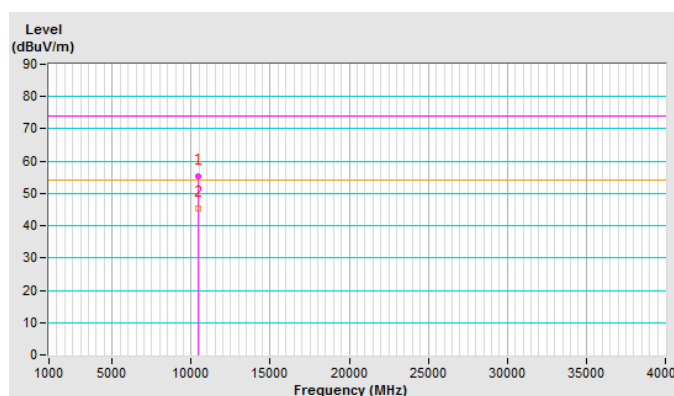
9.6.2 接收諧波

操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度 :	26°C	量測場地濕度 :	69%RH
測 試 日 期 :	106 年 11 月 2 日	測 試 者 :	魏郡崎

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	10400.00	55.41 PK	74.00	-18.59	2.85 H	144	39.83	15.58
2	10400.00	45.29 AV	54.00	-8.71	2.85 H	144	29.71	15.58

REMARKS:

1. Emission Level(dBuV/m) = 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

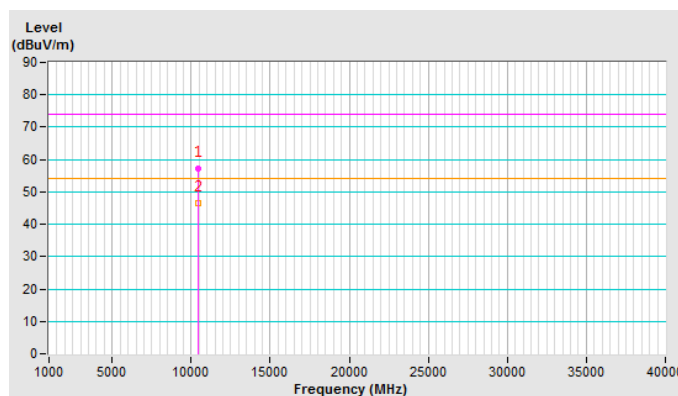


操 作 模 式 :	接收		
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=10Hz
量測場地溫度 :	26°C	量測場地濕度 :	69%RH
測 試 日 期 :	106 年 11 月 2 日	測 試 者 :	魏郡崎

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	10400.00	57.14 PK	74.00	-16.86	1.45 V	83	41.56	15.58
2	10400.00	46.45 AV	54.00	-7.55	1.45 V	83	30.87	15.58

REMARKS:

1. Emission Level(dBuV/m) = 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

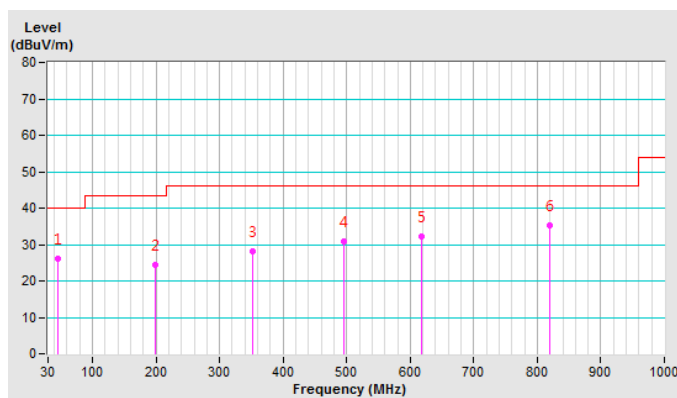
802.11a

操作模式：	發射接收	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	測試儀器：	(QP) RB=VB=120kHz
量測場地溫度：	27°C	量測場地濕度：	68%RH
測試日期：	106 年 11 月 2 日	測試者：	魏郡崎

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	45.82	26.10 QP	40.00	-13.90	1.00 H	211	35.15	-9.05
2	198.56	24.36 QP	43.50	-19.14	1.85 H	144	35.87	-11.51
3	351.82	28.13 QP	46.00	-17.87	1.96 H	155	34.54	-6.41
4	495.54	30.90 QP	46.00	-15.10	1.14 H	12	33.95	-3.05
5	618.43	32.33 QP	46.00	-13.67	1.55 H	52	32.55	-0.22
6	819.77	35.18 QP	46.00	-10.82	1.56 H	178	31.57	3.61

REMARKS:

1. Emission Level(dBuV/m) = 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.

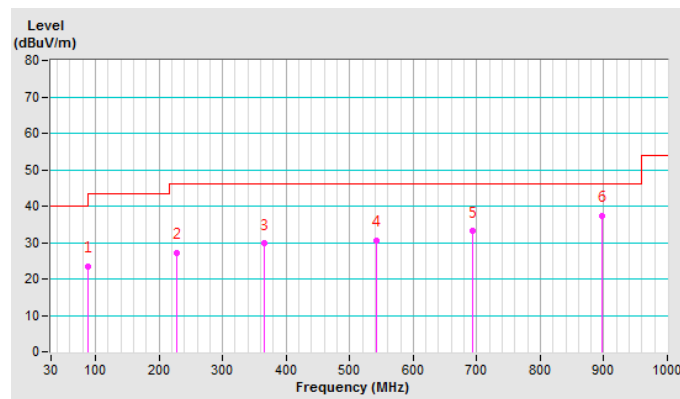


操 作 模 式 :	發射接收	調 變 技 術 :	OFDM
基 本 波 頻 率 :	CH 40 : 5200 MHz	測 試 儀 器 :	(QP) RB=VB=120kHz
量測場地溫度 :	27°C	量測場地濕度 :	68%RH
測 試 日 期 :	106 年 11 月 2 日	測 試 者 :	魏郡崎

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	87.69	23.54 QP	40.00	-16.46	1.19 V	225	38.56	-15.02
2	228.57	27.17 QP	46.00	-18.83	1.52 V	11	38.56	-11.39
3	365.55	29.74 QP	46.00	-16.26	1.85 V	222	35.84	-6.10
4	542.33	30.54 QP	46.00	-15.46	1.04 V	228	32.89	-2.35
5	692.77	33.10 QP	46.00	-12.90	1.15 V	10	32.15	0.95
6	897.99	37.44 QP	46.00	-8.56	1.56 V	208	32.89	4.55

REMARKS:

1. Emission Level(dBuV/m) = 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.

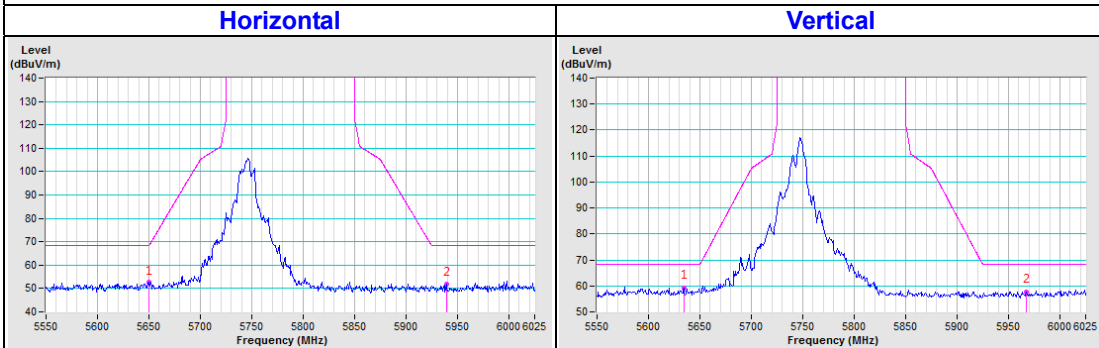


9.6.4 帶外發射之量測 (For 5.725 GHz~5.850 GHz band)

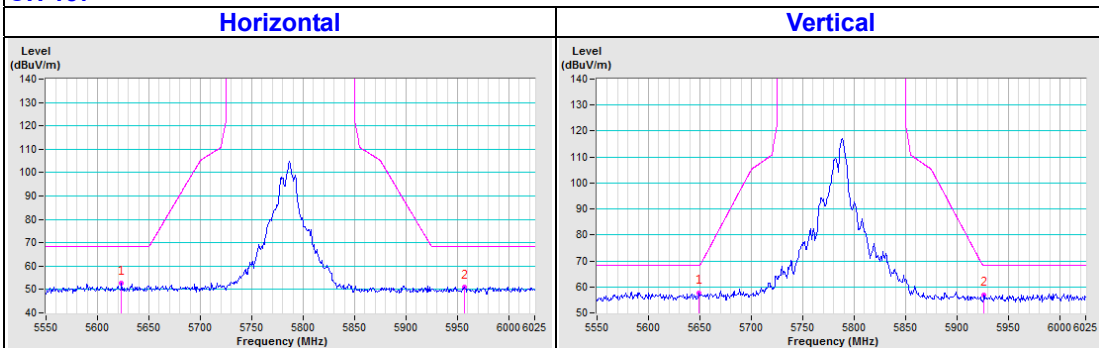
CCD Mode

802.11a

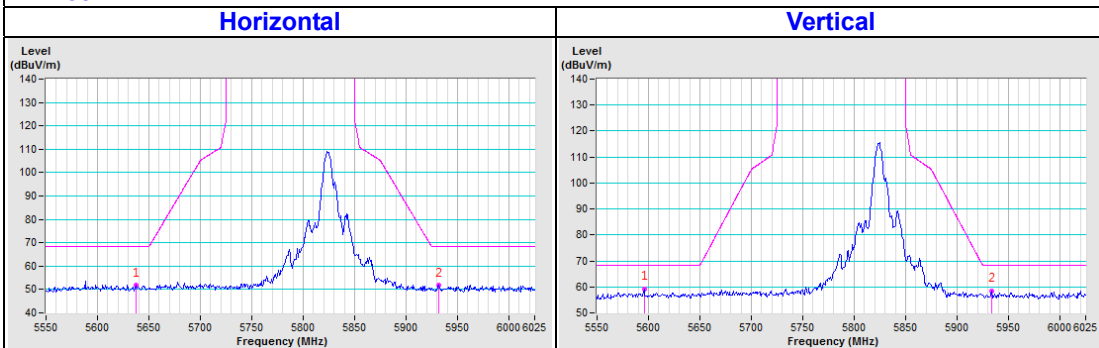
CH 149



CH 157



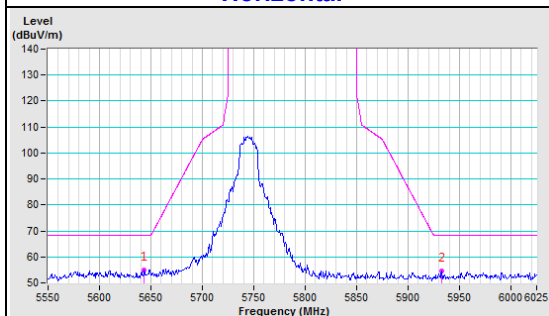
CH 165



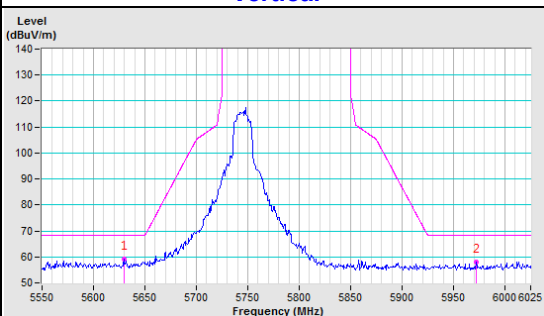
802.11ac (20MHz)

CH 149

Horizontal

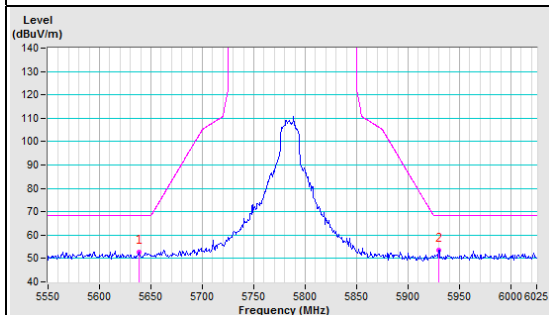


Vertical

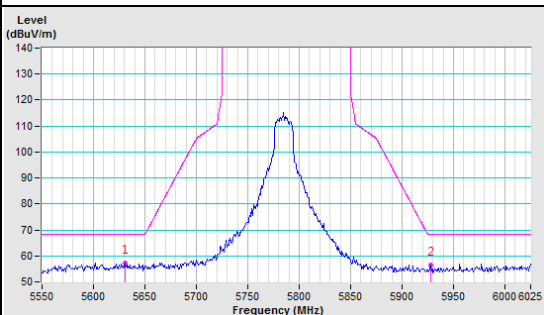


CH 157

Horizontal

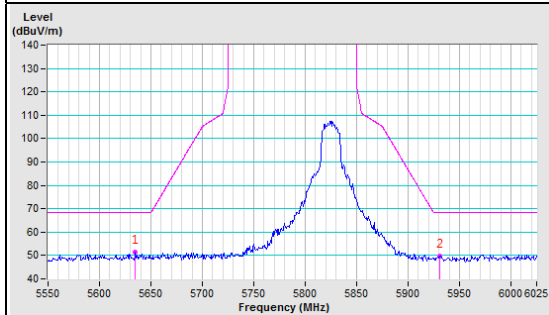


Vertical

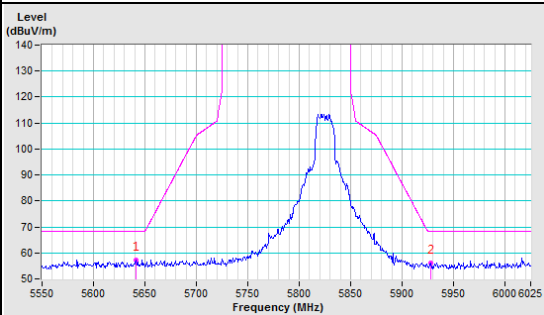


CH 165

Horizontal

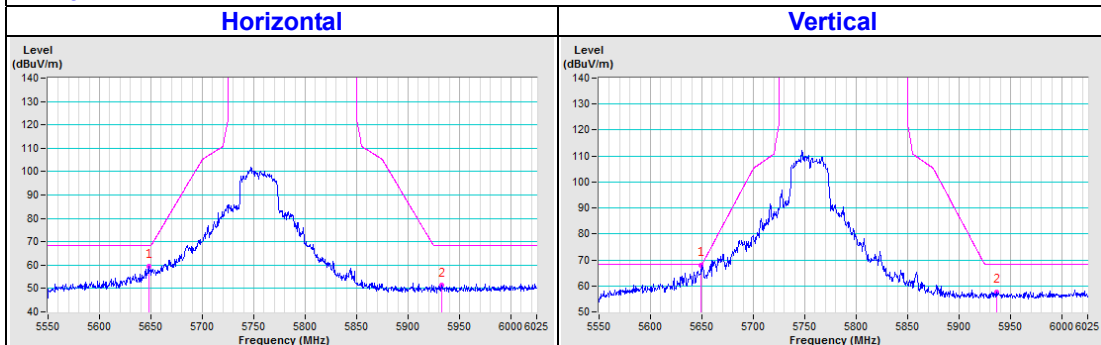


Vertical

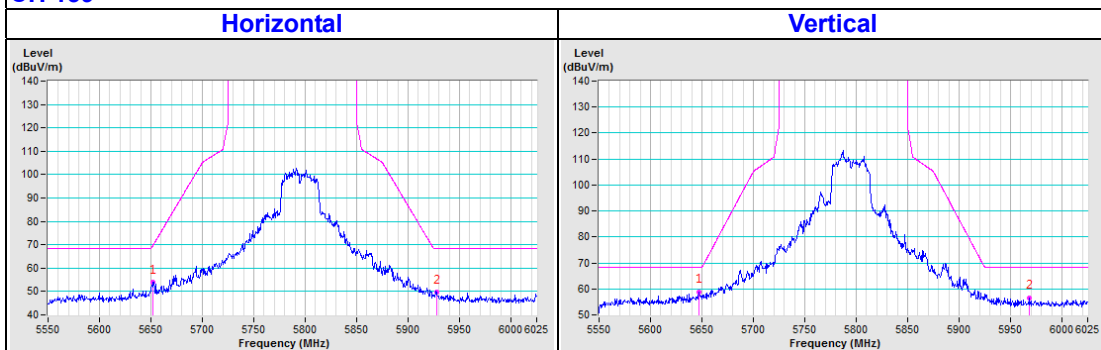


802.11ac (40MHz)

CH 151

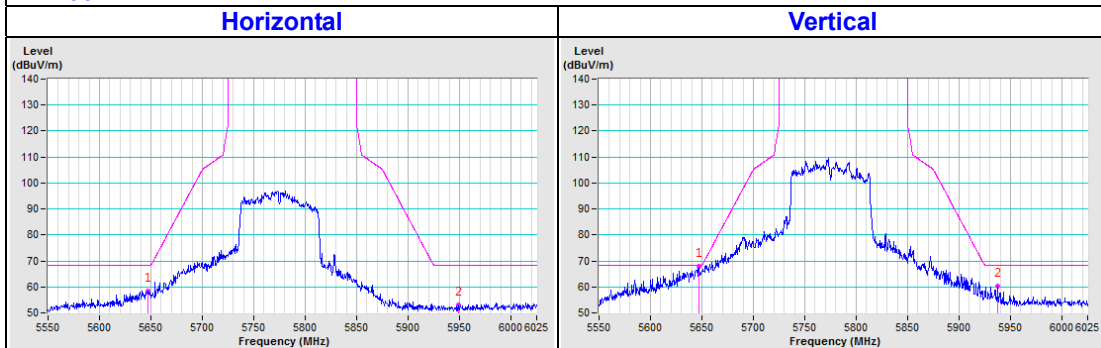


CH 159



802.11ac (80MHz)

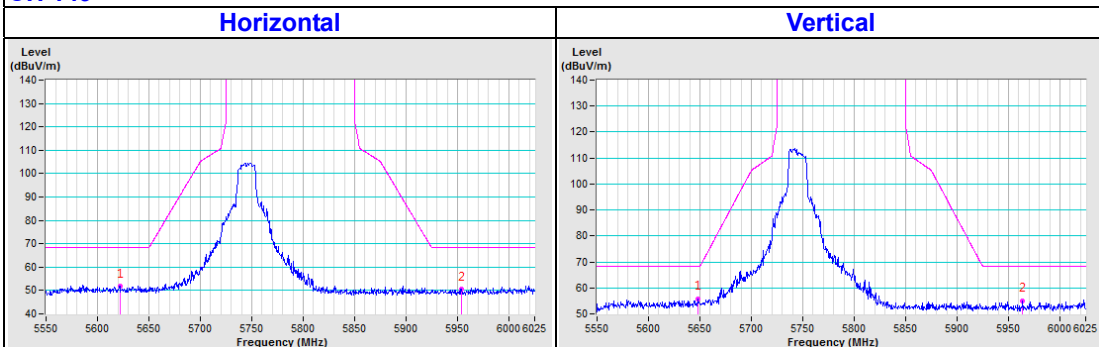
CH 155



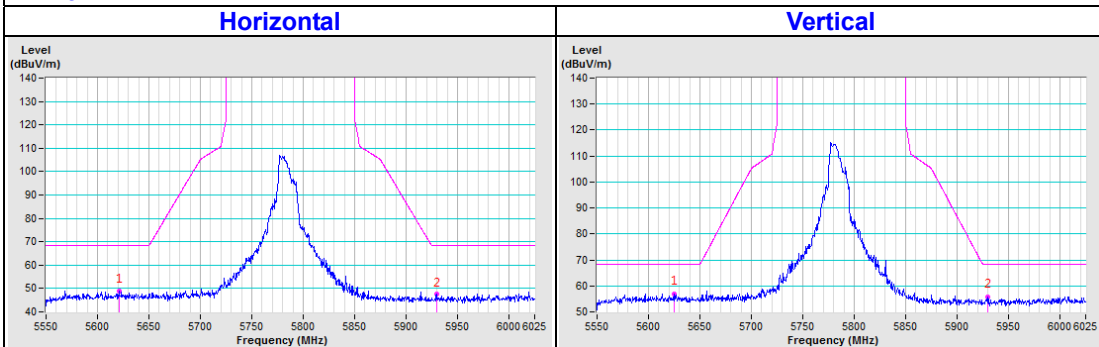
Beamforming_NSS1 Mode

802.11ac (20MHz)

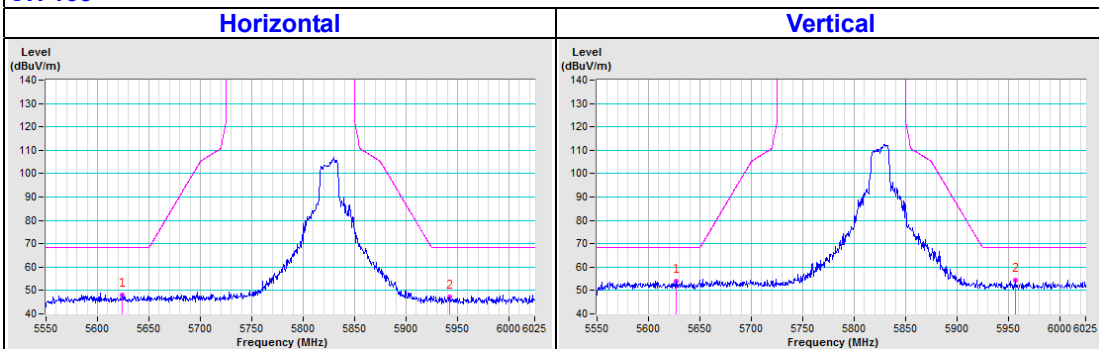
CH 149



CH 157

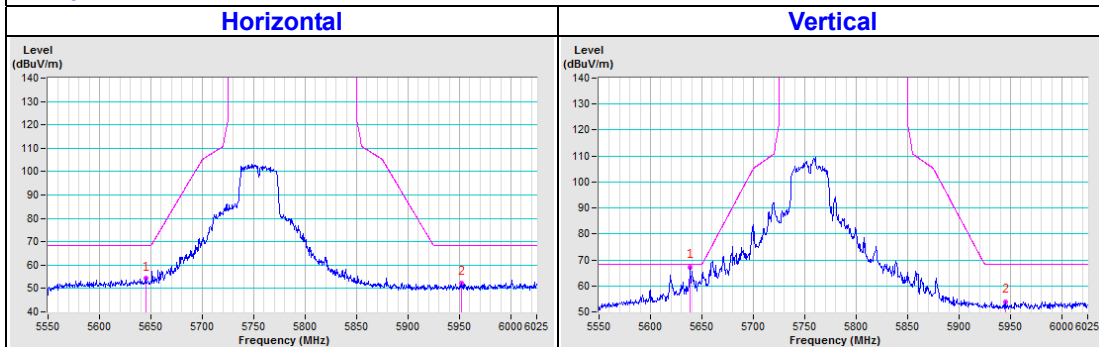


CH 165

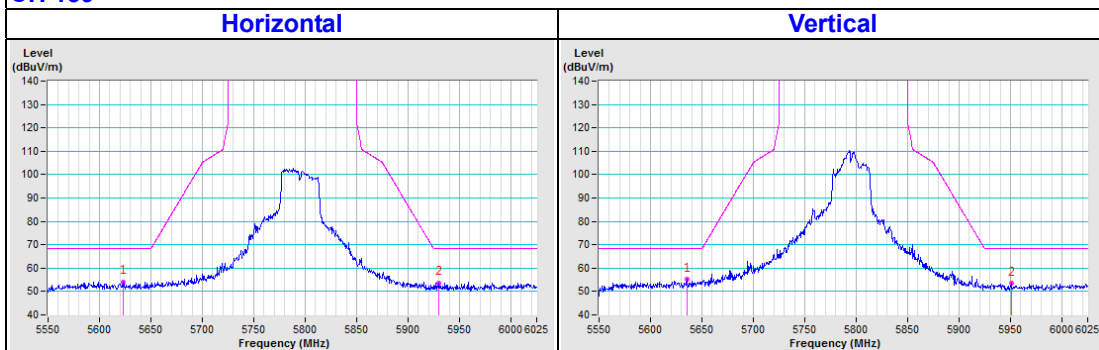


802.11ac (40MHz)

CH 151

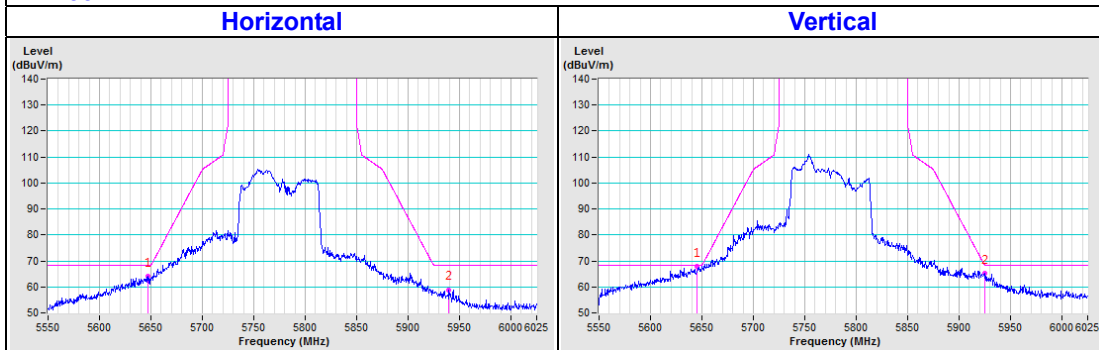


CH 159



802.11ac (80MHz)

CH 155



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

同 5.3 節

10.4 測試配置

同 5.4 節

10.5 干擾值之計算

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

電源傳導干擾電壓之計算公式如下

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

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

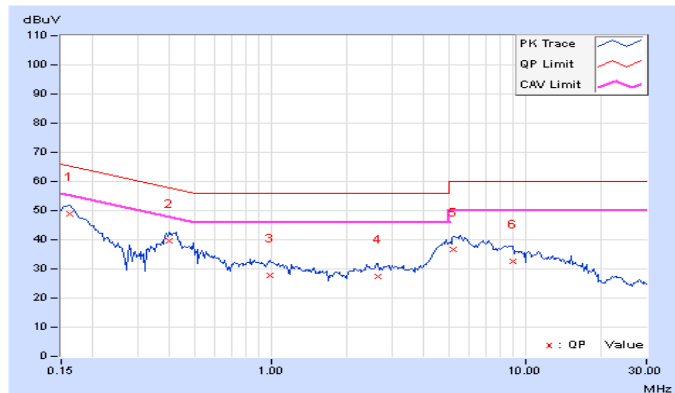
10.6 量測結果

操作模式	發射	測試日期	106 年 11 月 10 日
基本波頻率	CH 40 : 5200 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	張君煌		

		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.
0.16172	9.65	39.20	25.22	48.85	34.87	65.38	55.38	-16.53	-20.51
0.40000	9.69	29.89	21.77	39.58	31.46	57.85	47.85	-18.27	-16.39
0.99375	9.79	18.04	12.47	27.83	22.26	56.00	46.00	-28.17	-23.74
2.63672	9.94	17.29	10.67	27.23	20.61	56.00	46.00	-28.77	-25.39
5.23047	10.08	26.49	20.50	36.57	30.58	60.00	50.00	-23.43	-19.42
8.98047	10.16	22.49	16.93	32.65	27.09	60.00	50.00	-27.35	-22.91

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.

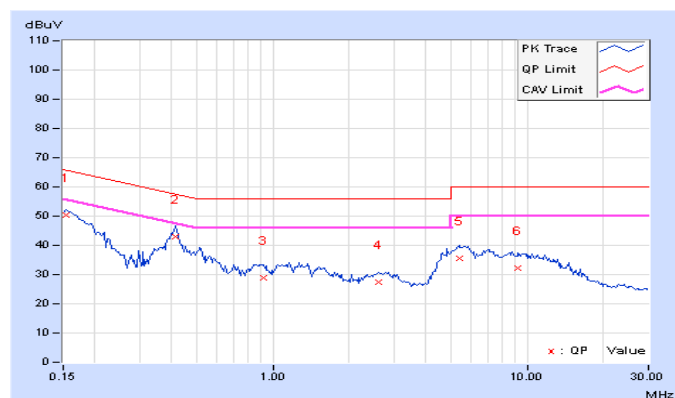


操作模式	發射	測試日期	106 年 11 月 10 日
基本波頻率	CH 40 : 5200 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	張君煌		

		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.
0.15391	9.69	40.65	24.81	50.34	34.50	65.79	55.79	-15.45	-21.29
0.41172	9.73	33.11	27.61	42.84	37.34	57.61	47.61	-14.77	-10.27
0.91563	9.79	19.12	12.84	28.91	22.63	56.00	46.00	-27.09	-23.37
2.61328	9.97	17.26	11.12	27.23	21.09	56.00	46.00	-28.77	-24.91
5.41016	10.18	25.48	19.45	35.66	29.63	60.00	50.00	-24.34	-20.37
9.23047	10.25	22.06	16.67	32.31	26.92	60.00	50.00	-27.69	-23.08

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.



10.7 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。

10.8 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：

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

對於發射的頻道其中心頻率點低於 5.725GHz，但其發射頻寬跨越至 5725~5850 MHz 頻帶：

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

發射頻寬量測方法：

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

11.3 量測儀器

峰值傳導輸出功率量測儀器：同 7.3 節

發射頻寬之量測儀器：同 6.3 節

11.4 測試配置

峰值傳導輸出功率測試配置：同 7.4 節

發射頻寬之測試配置：同 6.4 節

11.5 峰值傳導輸出功率之量測結果

CDD Mode:

操作模式	發射	測試日期	106 年 11 月 21 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11a

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	18.67	18.05	18.02	17.83	261.508	24.17	30.00	Pass
40	5200	23.10	22.46	22.45	22.24	723.658	28.60	30.00	Pass
48	5240	23.07	22.41	22.42	22.23	718.640	28.57	30.00	Pass
149	5745	23.32	22.68	22.62	22.41	757.127	28.79	30.00	Pass
157	5785	23.35	22.70	22.65	22.46	762.756	28.82	30.00	Pass
165	5825	23.41	22.75	22.72	22.52	773.362	28.88	30.00	Pass

802.11ac (20MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	19.77	18.99	18.96	18.83	329.181	25.17	30.00	Pass
40	5200	22.01	21.26	21.18	21.06	551.379	27.41	30.00	Pass
48	5240	22.94	22.17	22.12	22.02	683.756	28.35	30.00	Pass
149	5745	23.64	22.82	22.84	22.72	802.009	29.04	30.00	Pass
157	5785	23.66	22.83	22.85	22.75	805.258	29.06	30.00	Pass
165	5825	23.72	22.90	22.92	22.79	816.481	29.12	30.00	Pass

802.11ac (40MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	16.94	16.55	16.38	16.06	178.433	22.51	30.00	Pass
46	5230	20.83	20.42	20.29	19.98	437.660	26.41	30.00	Pass
151	5755	22.79	22.44	22.27	21.79	685.159	28.36	30.00	Pass
159	5795	23.62	23.27	23.11	22.61	829.502	29.19	30.00	Pass

802.11ac (80MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	15.08	14.74	14.67	14.17	117.427	20.70	30.00	Pass
155	5775	18.68	18.36	18.22	17.69	267.462	24.27	30.00	Pass

Beamforming Mode:

For U-NII-1 Band

802.11ac (20MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	14.83	14.05	14.01	13.88	105.430	20.23	29.08	Pass
40	5200	22.00	21.23	21.14	21.02	547.719	27.39	29.08	Pass
48	5240	22.91	22.12	22.11	22.00	679.408	28.32	29.08	Pass

NOTE: Directional gain = 6.92dBi > 6dBi, so the Conducted Power limit shall be reduced to $30 - (6.92 - 6) = 29.08\text{dBm}$

802.11ac (40MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	15.72	15.31	15.12	14.82	134.136	21.28	29.08	Pass
46	5230	18.91	18.53	18.34	18.02	280.710	24.48	29.08	Pass

NOTE: Directional gain = 6.92dBi > 6dBi, so the Conducted Power limit shall be reduced to $30 - (6.92 - 6) = 29.08\text{dBm}$

802.11ac (80MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	13.21	13.03	12.04	13.14	77.634	18.90	29.08	Pass

NOTE: Directional gain = 6.92dBi > 6dBi, so the Conducted Power limit shall be reduced to $30 - (6.92 - 6) = 29.08\text{dBm}$

For U-NII-3 Band

802.11ac (20MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
149	5745	23.12	22.31	22.34	22.20	712.687	28.53	28.72	Pass
157	5785	23.17	22.36	22.39	22.24	720.552	28.58	28.72	Pass
165	5825	23.16	22.32	22.37	22.23	717.315	28.56	28.72	Pass

NOTE: Directional gain = 7.28dBi >6dBi, so the Conducted Power limit shall be reduced to $30-(7.28-6) = 28.72\text{dBm}$

802.11ac (40MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
151	5755	21.35	21.01	20.86	20.34	492.683	26.93	28.72	Pass
159	5795	22.96	22.64	22.48	21.98	716.123	28.55	28.72	Pass

NOTE: Directional gain = 7.28dBi >6dBi, so the Conducted Power limit shall be reduced to $30-(7.28-6) = 28.72\text{dBm}$

802.11ac (80MHz)

Chan.	Chan. Freq. (MHz)	Maximum Conducted Power (dBm)				Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
155	5775	18.24	17.94	17.78	17.26	242.101	23.84	28.72	Pass

NOTE: Directional gain = 7.28dBi >6dBi, so the Conducted Power limit shall be reduced to $30-(7.28-6) = 28.72\text{dBm}$

CDD Mode:

26dB Bandwidth:

802.11a

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)				Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3	
36	5180	26.85	27.19	31.39	29.66	Pass
40	5200	36.51	36.48	36.72	36.24	Pass
48	5240	36.28	36.41	36.41	36.40	Pass

802.11ac (20MHz)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)				Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3	
36	5180	27.25	27.71	33.85	29.82	Pass
40	5200	39.45	38.96	41.17	38.80	Pass
48	5240	38.54	38.24	37.00	38.11	Pass

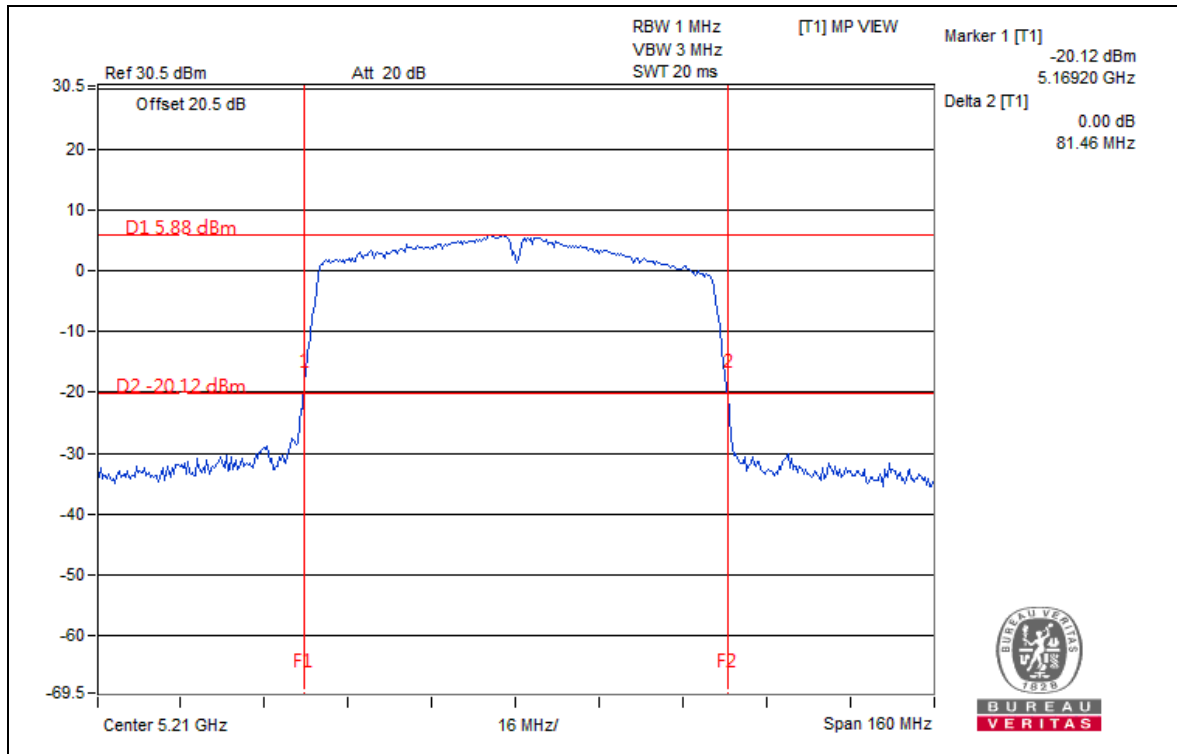
802.11ac (40MHz)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)				Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3	
38	5190	41.00	41.02	41.51	41.13	Pass
46	5230	66.31	72.25	66.46	68.15	Pass

802.11ac (80MHz)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)				Pass/Fail
		Chain 0	Chain 1	Chain 2	Chain 3	
42	5210	81.18	81.02	81.22	81.46	Pass

**此測試圖僅放測試結果最差的頻道。



11.6 量測結果判定

依據測試數據結果，符合低功率射頻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)

For U-NII-1 band:

Using method SA-1, Duty cycle >98%:

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

Using method SA-2, Duty cycle <98%

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

For U-NII-3 band:

Duty cycle >98%

- a. Set span to encompass the entire emission bandwidth (EBW) of the signal.
- b. Set RBW = 500 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
- c. Use the peak marker function to determine the maximum power level in any 500 kHz band segment within the fundamental EBW.
- e. Sweep time = auto, trigger set to "free run".
- f. Trace average at least 100 traces in power averaging mode.
- g. Record the max value

Duty cycle <98%

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

12.3 量測功率頻譜密度之儀器

同 6.3 節。

12.4 功率頻譜密度之測試配置

同 9.4 節

12.5 功率頻譜密度之量測結果

CDD Mode:

For U-NII-1 band

操作模式	發射	測試日期	106 年 11 月 21 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11a

Chan.	Chan. Freq. (MHz)	PSD (dBm)				Duty Factor	Total PSD With Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	3.12	3.69	3.39	3.11	0.97	10.32	16.08	Pass
40	5200	5.09	7.51	7.66	7.21	0.97	13.97	16.08	Pass
48	5240	5.82	6.05	5.84	5.79	0.97	12.86	16.08	Pass

NOTE:

1. Directional gain = 6.92dBi > 6dBi, so the PSD limit shall be reduced to $17 - (6.92 - 6) = 16.08$ dBm.
2. Refer to section 2 for duty cycle spectrum plot.

802.11ac (20MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)				Duty Factor	Total PSD With Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
36	5180	3.67	3.23	3.87	3.16	2.78	12.30	16.08	Pass
40	5200	2.07	2.09	4.04	2.25	2.78	11.50	16.08	Pass
48	5240	0.33	0.86	0.70	0.96	2.78	9.52	16.08	Pass

NOTE:

1. Directional gain = 6.92dBi > 6dBi, so the PSD limit shall be reduced to $17 - (6.92 - 6) = 16.08$ dBm.
2. Refer to section 2 for duty cycle spectrum plot.

802.11ac (40MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)				Duty Factor	Total PSD With Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
38	5190	-9.33	-8.44	-10.29	-9.86	4.00	0.60	16.08	Pass
46	5230	-5.29	-6.14	-5.33	-6.33	4.00	4.27	16.08	Pass

NOTE:

1. Directional gain = 6.92dBi > 6dBi, so the PSD limit shall be reduced to $17 - (6.92 - 6) = 16.08$ dBm.
2. Refer to section 2 for duty cycle spectrum plot.

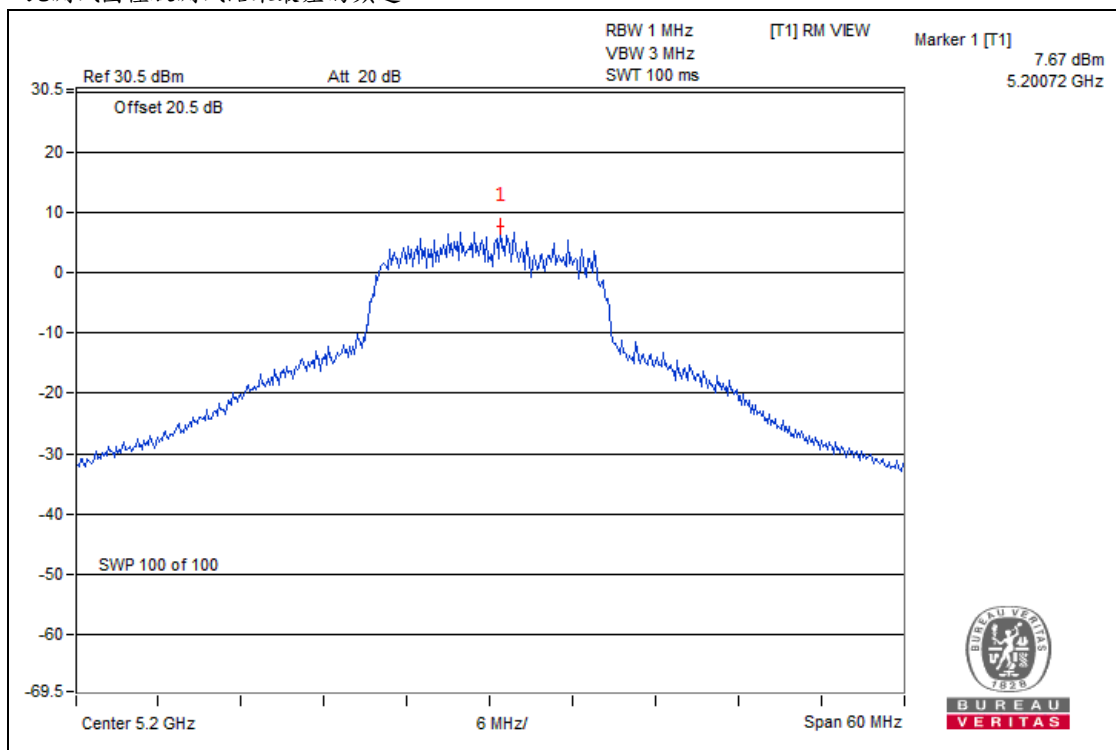
802.11ac (80MHz)

Chan.	Chan. Freq. (MHz)	PSD (dBm)				Duty Factor	Total PSD With Duty Factor (dBm)	MAX. Limit (dBm)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3				
42	5210	-15.31	-15.60	-15.48	-14.91	5.61	-3.69	16.08	Pass

NOTE:

1. Directional gain = 6.92dBi > 6dBi, so the PSD limit shall be reduced to $17 - (6.92 - 6) = 16.08$ dBm.
2. Refer to section 2 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



For U-NII-3 band

操作模式	發射	測試日期	106 年 11 月 21 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11a

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	-2.66	6.02	0.97	4.33	28.72	Pass
	157	5785	-3.89	6.02	0.97	3.10	28.72	Pass
	165	5825	-3.67	6.02	0.97	3.32	28.72	Pass
1	149	5745	-3.22	6.02	0.97	3.77	28.72	Pass
	157	5785	-3.84	6.02	0.97	3.15	28.72	Pass
	165	5825	-3.51	6.02	0.97	3.48	28.72	Pass
2	149	5745	-3.48	6.02	0.97	3.51	28.72	Pass
	157	5785	-3.72	6.02	0.97	3.27	28.72	Pass
	165	5825	-3.78	6.02	0.97	3.21	28.72	Pass
3	149	5745	-3.54	6.02	0.97	3.45	28.72	Pass
	157	5785	-3.59	6.02	0.97	3.4	28.72	Pass
	165	5825	-3.46	6.02	0.97	3.53	28.72	Pass

NOTE:

1. Directional gain = 7.28dBi > 6dBi, so the PSD limit shall be reduced to $30 - (7.28 - 6) = 28.72\text{dBm}$.
2. Refer to section 2 for duty cycle spectrum plot.

802.11ac (20MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	149	5745	-5.18	6.02	2.78	3.62	28.72	Pass
	157	5785	-5.39	6.02	2.78	3.41	28.72	Pass
	165	5825	-5.52	6.02	2.78	3.28	28.72	Pass
1	149	5745	-5.43	6.02	2.78	3.37	28.72	Pass
	157	5785	-5.65	6.02	2.78	3.15	28.72	Pass
	165	5825	-5.00	6.02	2.78	3.80	28.72	Pass
2	149	5745	-5.38	6.02	2.78	3.42	28.72	Pass
	157	5785	-5.46	6.02	2.78	3.34	28.72	Pass
	165	5825	-5.45	6.02	2.78	3.35	28.72	Pass
3	149	5745	-5.49	6.02	2.78	3.31	28.72	Pass
	157	5785	-5.83	6.02	2.78	2.97	28.72	Pass
	165	5825	-5.52	6.02	2.78	3.28	28.72	Pass

NOTE:

1. Directional gain = 7.28dBi > 6dBi, so the PSD limit shall be reduced to $30 - (7.28 - 6) = 28.72\text{dBm}$.
2. Refer to section 2 for duty cycle spectrum plot.

802.11ac (40MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	151	5755	-7.52	6.02	4.00	2.50	28.72	Pass
	159	5795	-7.36	6.02	4.00	2.66	28.72	Pass
1	151	5755	-7.55	6.02	4.00	2.47	28.72	Pass
	159	5795	-7.42	6.02	4.00	2.60	28.72	Pass
2	151	5755	-7.82	6.02	4.00	2.20	28.72	Pass
	159	5795	-7.33	6.02	4.00	2.69	28.72	Pass
3	151	5755	-7.63	6.02	4.00	2.39	28.72	Pass
	159	5795	-7.38	6.02	4.00	2.64	28.72	Pass

NOTE:

1. Directional gain = 7.28dBi >6dBi, so the PSD limit shall be reduced to $30-(7.28-6) = 28.72$ dBm.
2. Refer to section 2 for duty cycle spectrum plot.

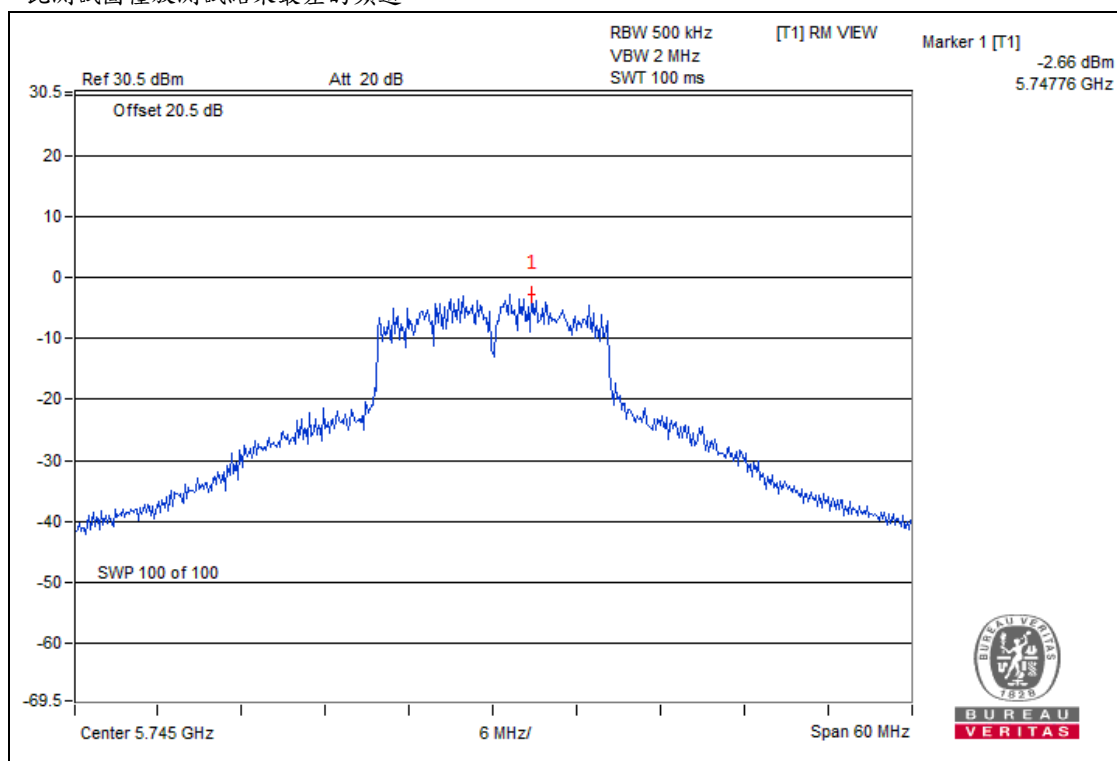
802.11ac (80MHz)

TX chain	Channel	Freq. (MHz)	PSD (dBm/500kHz)	10 log (N=4) dB	Duty Factor	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Pass /Fail
0	155	5775	-24.40	6.02	5.61	-12.77	28.72	Pass
1	155	5775	-24.42	6.02	5.61	-12.79	28.72	Pass
2	155	5775	-25.12	6.02	5.61	-13.49	28.72	Pass
3	155	5775	-24.71	6.02	5.61	-13.08	28.72	Pass

NOTE:

1. Directional gain = 7.28dBi >6dBi, so the PSD limit shall be reduced to $30-(7.28-6) = 28.72$ dBm.
2. Refer to section 2 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

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

13.3 量測儀器

同 6.3 節。

13.4 測試配置

同 6.4 節。

13.5 量測結果

CDD Mode:

操作模式	發射	測試日期	106 年 11 月 21 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	李澤洋		

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	15.17	15.16	15.16	15.17	0.5	Pass
157	5785	15.14	15.17	15.13	15.17	0.5	Pass
165	5825	15.17	15.16	15.18	15.15	0.5	Pass

802.11ac (20MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
149	5745	15.38	15.17	15.39	15.36	0.5	Pass
157	5785	15.37	15.18	15.36	15.17	0.5	Pass
165	5825	15.39	15.37	15.38	15.35	0.5	Pass

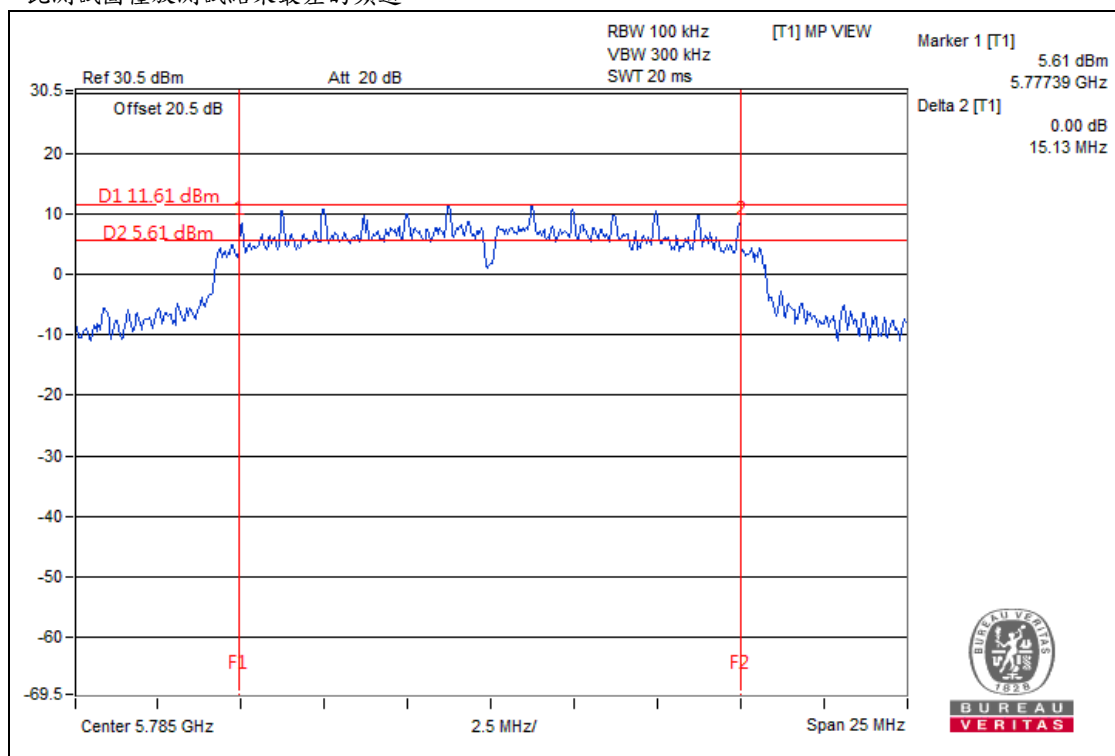
802.11ac (40MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
151	5755	35.10	33.92	33.92	33.92	0.5	Pass
159	5795	32.66	32.65	32.66	32.65	0.5	Pass

802.11ac (80MHz)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1	Chain 2	Chain 3		
155	5775	75.17	75.27	75.27	75.26	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。

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

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

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

14.3 評估結果

電波暴露量之評估
☐ 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

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Pass/Fail
2412-2462	27.73	5.89	25	0.2930	1	Pass
5180-5240	28.60	6.92	25	0.4538	1	Pass
5745-5825	29.19	7.28	25	0.5648	1	Pass

Note:

2.4GHz: Directional gain = 5.89dBi

5180-5240MHz: Directional gain = 6.92dBi

5745-5825MHz: Directional gain = 7.28dBi

The Max Power = Max tune up power

CONCLUSION:

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

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

CPD = Calculation power density

LPD = Limit of power density

$$\text{WLAN 2.4GHz} + \text{WLAN 5GHz} = 0.2930 + 0.5648 = 0.8578$$

Therefore, the maximum calculation of this situation is 0.8578, which is less than the "1" limit.

15 檢測實驗室基本資料

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

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：

Tel: 886-2-26052180

Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：

Tel: 886-3-6668565

Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：

Tel: 886-3-3183232

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Web Site: www.bureauveritas-adt.com

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