

NCC 低功率射頻電機型式試驗報告

產品名稱(中文)	Access Point
型號	APEX0365, APEX0367
廠牌	Aruba

申請者	慧與科技股份有限公司
地址	臺北市南港區經貿二路 66 號 10 樓之 1

受理日期	105 年 12 月 30 日
報告發行日期	108 年 03 月 15 日
報告號碼	1920162R-RFTWP01V00
報告版本	V1.0



本測試報告只針對受測產品有效。

本測試報告內之測試結果可藉由測試儀器設備之校正報告與本報告內所評估量測不確定度追溯至國家或國際標準不得使用本報告宣稱產品是由 TAF 或任何政府機構背書。

本測試報告非經德凱認證同意不可複製使用。

低功率射頻電機量測報告

報告發行日期: 108 年 03 月 15 日

報告號碼: 1920162R-RFTWP01V00



產品名稱(中文)	Access Point
申請者	慧與科技股份有限公司
地址	臺北市南港區經貿二路 66 號 10 樓之 1
製造廠商	Hewlett Packard Enterprise Company
待測物額定電壓	DC 57V (by PoE)
待測物測試電壓	DC 57V (by PoE)
商標或廠牌	Aruba
型式號	APEX0365, APEX0367
試驗標準	低功率射頻電機技術規範(107 年 01 月) FCC CFR Title 47 Part 15 Subpart E 15.407 (h): 2015 KDB 905462 D02, KDB 905462 D04, KDB 905462 D06 FCC 14-30
試驗結果	符合

項次	量測項目	標稱規格	測試結果	量測設備	量測不確定度
1	發射功率控制	低功率射頻電機技術規範 4.7.4.1 節	N/A	請參閱 3.2 節	
2	動態頻率選擇	低功率射頻電機技術規範 4.7.7.2 節	PASS	請參閱 3.5 節	請參閱 3.6 節
3	以下空白	--	--	--	--

報告製作者 :



高級工程行政專員 / 周家琪

測試工程師 :



工程師 / 江元傑

實驗室簽署人 :



協理 / 林介書

目 錄

項 目	頁數
1. 基本資料.....	4
1.1. 待測物裝置資料.....	4
1.2. 待測裝置驗證說明.....	5
2. 測試實驗室資料.....	7
2.1. 試驗單位與週遭環境.....	7
2.2. 測試設備明細.....	8
3. 動態頻率選擇.....	9
3.1. 適用標準.....	9
3.2. 待測物量測說明.....	10
3.3. 測試方法.....	27
3.4. 測試架構圖.....	28
3.5. 連線負載與位準.....	29
3.6. 量測不確定度.....	32
3.7. UNII 偵測頻寬量測結果.....	33
3.8. DFS 偵測門檻值量測結果.....	48
3.9. 頻道可用性檢查時間量測結果.....	92
3.10. 頻率移動時間量測結果.....	100
3.11. 30 分鐘不可佔用期間量測結果.....	106

附件 1: 待測物測試擺設相片

附件 2: 待測物內部相片

1. 基本資料

1.1. 待測物裝置資料

申請者(或公司)	慧與科技股份有限公司
地址	臺北市南港區經貿二路 66 號 10 樓之 1
製造廠商	Hewlett Packard Enterprise Company
產品名稱	Access Point
產品型號	APEX0365, APEX0367
DFS Function	☒ Master ☐ Slave
TPC Function	☐ <500mW not required ☒ $\geq 500\text{mW}$ employ a TPC
Communication Mode	☒ IP Based Systems ☐ Frame Based System ☐ Other System
Antenna type	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Model No.	Antenna Type	Peak Gain
1	Grand-Tek Technology	APEX0365 (Ant0, Ant1)	Cross-polarize Antenna	4.3 dBi for 5.25~5.35GHz 4.3 dBi for 5.47~5.725GHz Beamforming Gain: 0dBi Antenna Gain #0*(Note1) : -0.9dBi Antenna Gain #1*(Note1) : -0.9dBi
	PCTEL	APEX0367 (Ant0, Ant1)	Cross-polarize Antenna	6.5 dBi for 5.25~5.35GHz 6.5 dBi for 5.47~5.725GHz Beamforming Gain: 0dBi Antenna Gain #0*(Note1) : 3.8dBi Antenna Gain #1*(Note1) : 3.8dBi

1.2. 待測裝置驗證說明

1. 待測裝置規格說明:

待測物為 Access Point，其天線為 Cross-polarize Antenna，其天線為 Cross-polarize Antenna，
悉採 5GHz 為載波

另支援 802.11ac 14.4 – 288.8Mbps using 20MHz channel、802.11ac 30 – 600Mbps using
40MHz channel、802.11ac 65 – 867Mbps using 80MHz channel 來傳送訊號，。

。

(1) 待測裝置為同一體。

(2) 發射體主要功能特性有:

<1> 待測裝置利用無線電波,分別借由無線電波,傳送及接收,達到資料傳送之目的。

<2> 待測裝置傳送訊號,使用 5GHz 為載波頻率，利用數位調變方式來傳送訊號，且其天線
為 Cross-polarize Antenna。

<3> 動態頻率選擇之工作頻率範圍: 5260-5320MHz, 5500-5720MHz。

<4> 頻道切換方式: 採自動切換控制方式。

<5> 調變方式: 採 OFDM 調變方式。

<6> 傳輸速率:

802.11a: 6 – 54Mbps, 802.11n: 14.4 – 144.4Mbps using 20MHz channel、30 – 300Mbps
using 40MHz channel。802.11ac : 14.4 – 173.4Mbps using 20MHz channel、802.11ac 30 –
400Mbps using 40MHz channel、802.11ac 65 – 866.7Mbps using 80MHz channel、

<7> 待測物額定電壓: DC 57V (by PoE)

<8> 802.11a/n-20MHz/ac-20MHz-20MHz 共計 16 個工作頻道,

802.11n-40MHz/ac-40MHz-40MHz 共計 8 個工作頻道,

802.11ac-80MHz-80MHz 共計 4 個工作頻道,

802.11a/n-20MHz/ac-20MHz-20MHz 共計 16 個工作頻道, 工作頻道頻率為:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 052:	5260 MHz	Channel 056:	5280 MHz	Channel 060:	5300 MHz	Channel 064:	5320 MHz
Channel 100:	5500 MHz	Channel 104:	5520 MHz	Channel 108:	5540 MHz	Channel 112:	5560 MHz
Channel 116:	5580 MHz	Channel 120:	5600 MHz	Channel 124:	5620 MHz	Channel 128:	5640 MHz
Channel 132:	5660 MHz	Channel 136:	5680 MHz	Channel 140:	5700 MHz	Channel 144:	5720 MHz

802.11n-40MHz/ac-40MHz-40MHz 共計 8 個工作頻道, 工作頻道頻率為:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 054:	5270 MHz	Channel 062:	5310 MHz	Channel 102:	5510 MHz	Channel 110:	5550 MHz
Channel 118:	5590 MHz	Channel 126:	5630 MHz	Channel 134:	5670 MHz	Channel 142:	5710 MHz

802.11ac-80MHz-80MHz 共計 4 個工作頻道, 工作頻道頻率為:

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 058:	5290 MHz	Channel 106:	5530 MHz	Channel 122:	5610 MHz	Channel 138:	5690 MHz

<9> 關於受測物詳細說明, 請參閱製造商規格或使用手冊。

測試模式	Mode 1: 802.11a Mode 2: 802.11n-40MHz BW Mode 3: 802.11ac-80MHz BW
------	--

2. 測試實驗室資料

2.1. 試驗單位與週遭環境

實驗室環境條件:

項 目	實際測試條件
溫度 (°C)	20-35
濕度 (%RH)	30-65
大氣壓力 (mbar)	950-1000

德凱認證股份有限公司是家專為無線產品、手機、通訊、電磁相容及安全規範的技術測試暨認證顧問之專業實驗室，實驗室秉持著公正客觀的態度及全套完整測試設備，和本身完善的品質系統，實驗室皆依 ISO/IEC 17025、EN 45001 及 ISO/IEC Guide 25 管理實驗室，並取得各國認證機構之合格證書，實驗室之相關合格證書，可由德凱認證股份有限公司的網站下載，下載網址:

<http://www.dekra.com.tw/english/about/certificates.aspx?bval=5>

實驗室之詳細地址、位置與聯絡方式，可由德凱認證股份有限公司的網站查詢，網址:

http://www.dekra.com.tw/index_en

財團法人全國認證基金會 認證

特定服務計畫：電信設備測試實驗室認證服務計畫

初次認證日期：一百零三年十月二十四日

認證有效期間：一百零六年十二月十三日起至一百零九年十二月十二日止

認可測試領域：低功率射頻電機(工作頻率9kHz to 220GHz)

認可編號：3023

測試實驗室名稱：德凱認證股份有限公司

測試實驗室位置：新北市林口區瑞平里瑞樹坑5-22號

2.2. 測試設備明細

Dynamic Frequency Selection (DFS) / CTR

Instrument	Manufacturer	Type No.	Serial No	Cal. Date
Spectrum Analyzer	Agilent	N9010A	MY52100213	Sep., 21, 2016
Vector Signal Generator	Agilent	E4438C	MY49070137	July, 02, 2016
Double-Ridged Waveguide Horn	ETS-Lindgren	3117	00201366	July.,16, 2016
Double-Ridged Waveguide Horn	ETS-Lindgren	3117	00201259	Jan.,11, 2016

Instrument	Manufacturer	Type No.	Serial No
Notebook Pc	Hp	HSTNN-155C	CNU8476RVZ
Notebook Pc	Dell	Latitude E5420	24357736765
RF Cable	WOKEN	L1406-031C	S02-130729-305
RF Cable	SUHNER	SUCOFLEX 106	3474516

Software	Manufacturer	Function
Agilent Signal Studio for Pulse Building V1.3.13.0	Agilent	Radar Signal Generation Software
Agilent DFS_TEST V6.9	Agilent	Radar Signal Generation Software
Media Player Classic v6.4.8.6	Gabest.org	Multimedia Player

3. 動態頻率選擇

3.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.7.2 節動態頻率選擇(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-64 dBm。

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

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

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

(2) 操作模式：動態頻率選擇之規定適用於以下之操作模式：

(A) 頻道可用性檢查時間之規定，適用於主控運作模式。

(B) 頻道移動時間之規定，適用於主控及受控運作模式。

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

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

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

3.2. 待測物量測說明

待測物動態頻率選擇操作於下列之頻帶:

5.25-5.35 GHz

5.47-5.725 GHz

待測物為主控運作設備且有偵測雷達系統功能。

待測物為 IEEE 802.11a/n/ac-80，以 IP 為基礎架構的設備，使用頻帶寬度為 20 MHz/40MHz/80MHz。

待測物之天線增益為 4.3dBi(APEX0365)/6.5(APEX0367)dBi。量測方式是將 50 歐姆(Ω)的收、發射天線連接至測試無線網路設備系統進行輻射測試。

受控運作設備為 Notebook Pc Dell Latitude E5420 內建無線網路卡(Intel 9560NGW)

由於待測物為主控運作設備，待測物最大傳導輸出功率為 23.25dBm, EIRP 為 29.75dBm >27dBm。

使用特定頻道前 DFS 量測要求

要求	操作模式		
	主控	受控〔有雷達偵測功能〕	受控〔無雷達偵測功能〕
不可佔用期間	✓	✓	✓
DFS 偵測門檻值	✓	✓	不需測試
頻道可用性檢查時間	✓	不需測試	不需測試
頻道均勻分配使用功能	✓	不需測試	不需測試
U-NII 偵測頻寬	✓	✓	不需測試

Applicability of DFS requirements during normal operation

需求	操作模式		
	主控	受控〔有雷達偵測功能〕	受控〔無雷達偵測功能〕
DFS 偵測門檻值	✓	✓	不需測試
頻率關閉傳輸時間	✓	✓	✓
頻率移動時間	✓	✓	✓
U-NII 偵測頻寬	✓	✓	不需測試

偵測門檻值：主控或受控設備，操作模式包含”服務中”監視顯示

最大傳輸功率 (EIRP)	偵測門檻值 (註一與註二)
$\geq 200 \sim 1000$ milliwatt	-64 dBm
< 200 milliwatt and PSD < 10 dBm/MHz	-62 dBm
< 200 milliwatt and PSD ≥ 10 dBm/MHz	-64 dBm
註一：此位準為接收機輸入端以 0dBi 的接收天線為參考基準。 註二：測試過程中，在傳輸波形振幅上再加上額外的 1dB，以說明在量測設備上的變異，此可以確保測試信號是在偵測臨界值處或其上來觸發 DFS 的反應。	

DFS 測試項目及限制值

測試項目	限制值
U-NII 偵測頻寬	U-NII 99% occupied bandwidth 大於 100%
不可佔用期間	30 分鐘
頻道可用性檢查時間	60 秒
頻率移動時間	10 秒
頻道關閉傳輸時間	200 毫秒 + 在 10 秒週期內的 60 毫秒 〔註一與註二〕
註一：頻道移動時間與頻道關閉傳輸時間開始的瞬間如下所述： ● 對短脈衝雷達信號，此瞬間為叢訊的結束時間點算起。 ● 對跳頻雷達信號，此瞬間為最後一個產生的叢訊結束時間點算起。 ● 對長脈衝雷達測試信號，此瞬間為雷達波型信號結束的 12 秒時間點算起。 註二：頻道關閉傳輸時間包含於頻道移動時間起始的 200 毫秒，加上在 10 秒週期內剩下為了促成頻道移動所需的任何額外間歇性的管理與控制信號〔合計時間為 60 毫秒〕。此控制信號的合計持續時間不包含傳輸間的 quiet 週期。	

短脈衝雷達測試信號

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

Type 2~4 須測試至少各 30 種不同參數的雷達波形，若個別 Type 的測試超過 30 次，超過的雷達波形仍需與先前的雷達波形不同，不可重複；而 Type 1 則需重複測試至少 30 次相同的雷達波形。Aggregate 為短脈衝雷達測試信號 Type 1~4 偵測成功百分比的平均值。

長脈衝雷達測試信號

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

長脈衝雷達測試信號的參數皆為隨機組合，須測試至少各 30 種不同參數的雷達波形，若長脈衝雷達測試信號測試超過 30 次，超過的雷達波形仍需與先前的雷達波形不同，不可重複。

跳頻雷達測試信號

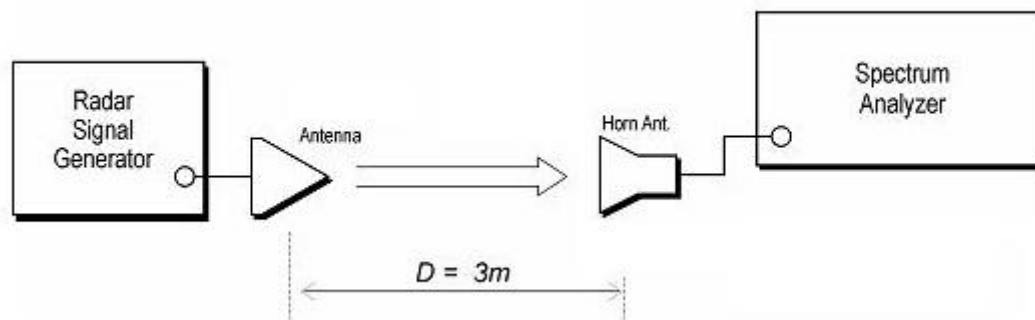
Radar Waveform	Pulse Width (μsec)	PRI (μsec)	Hopping Sequence Length (msec)	Pulses Per Hop	Hopping Rate (kHz)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	300	9	.333	70%	30

對於跳頻雷達測試信號而言，每個波形使用相同的脈波叢參數，但跳頻序列對每個波形都不同，並從跳頻序列中選擇 100 單位長度的區段。

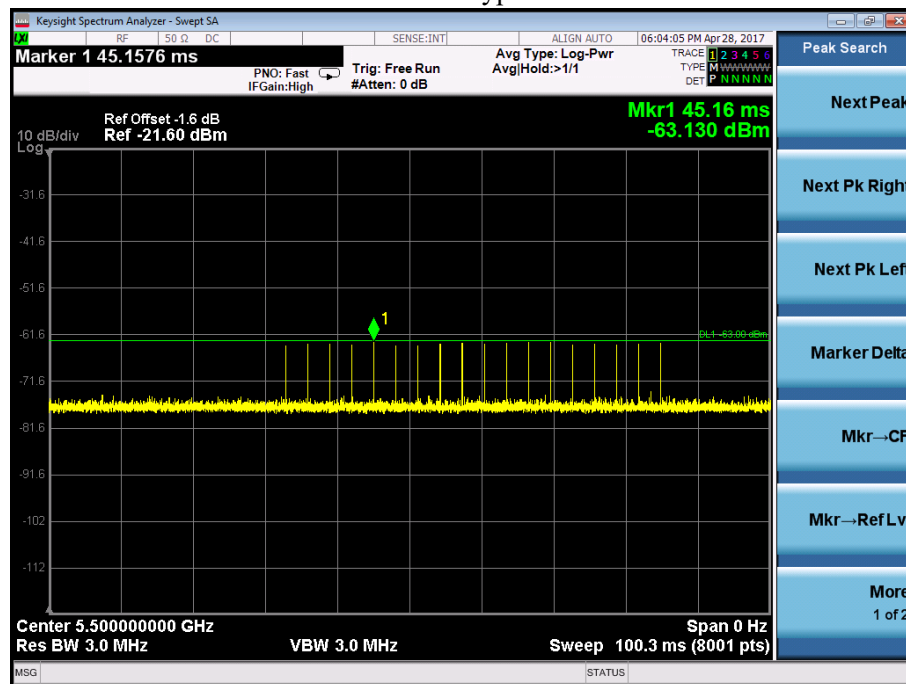
雷達系統波形校驗

下圖之設備架構為用於校驗輻射測試之雷達波形，使用頻譜分析儀確認雷達測試信號之振幅位準。
將頻譜分析儀的中心頻率設為雷達波之頻率，頻率掃瞄範圍調整為零〔時域〕，解析頻寬與視訊頻寬分別為 3MHz 與 3MHz，並使用 peak detection 觀察雷達訊號產生器所創建的雷達波。
將雷達訊號產生器的振幅位準調整至頻譜分析儀上觀察到的位準為-63dBm，此位準為接收機輸入端以 0dBi 的接收天線為參考基準。

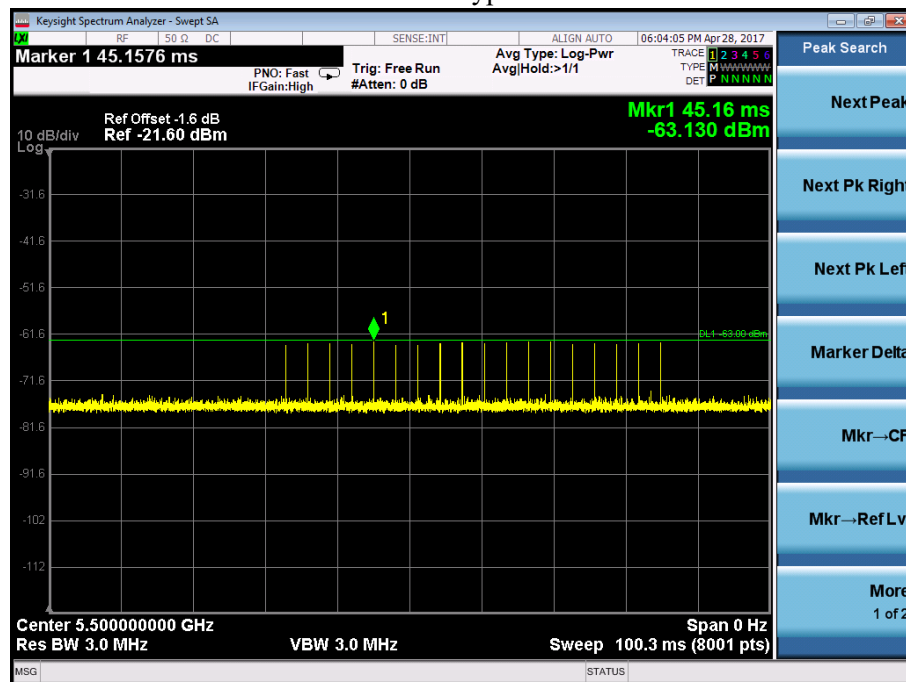
校驗架構圖



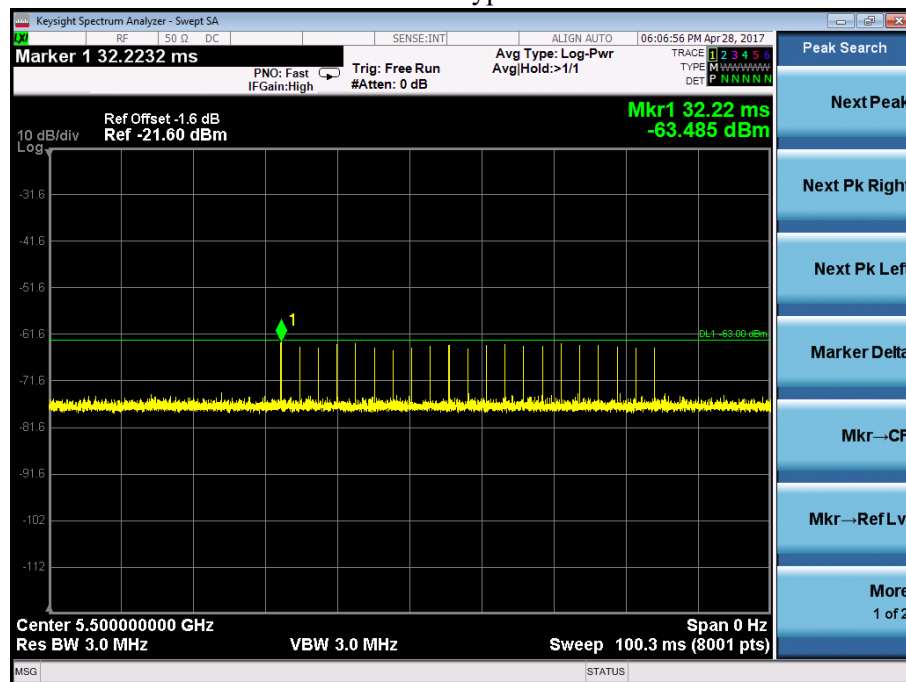
11a CH100 5500MHz Radar Type 0 Calibration Plot



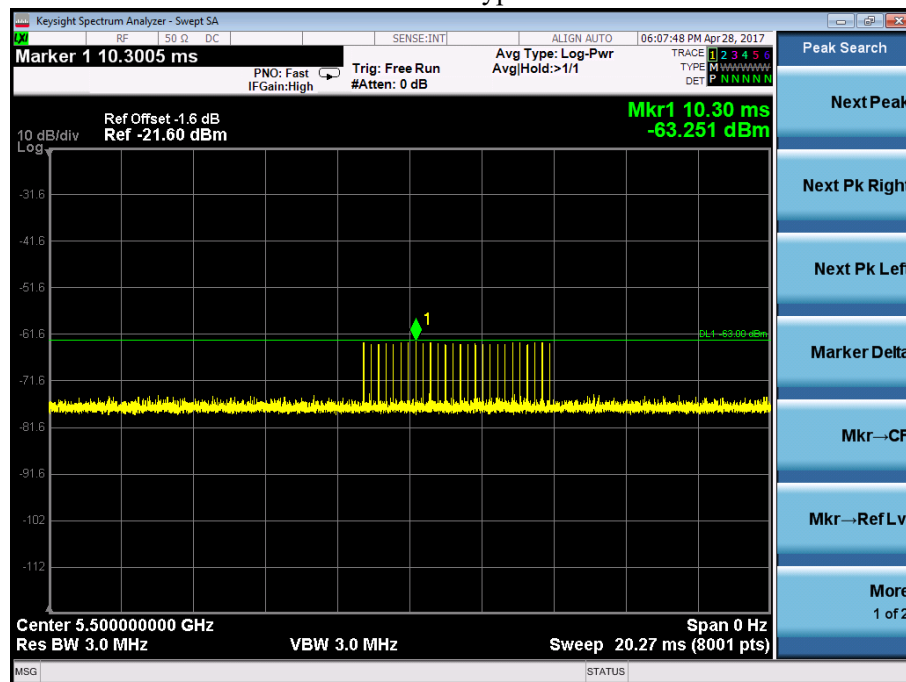
11a CH100 5500MHz Radar Type 1A Calibration Plot



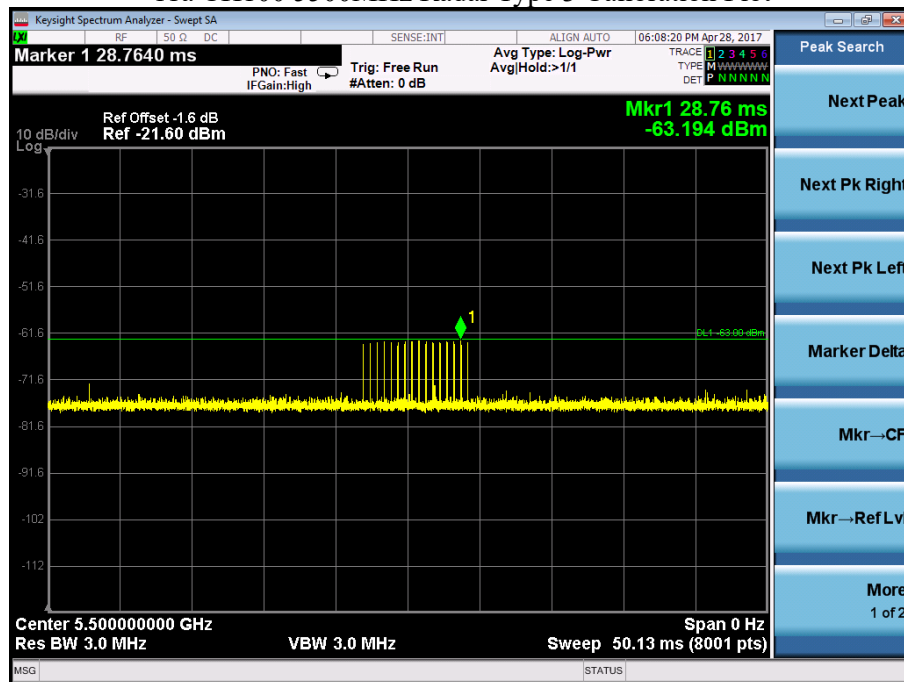
11a CH100 5500MHz Radar Type 1B Calibration Plot



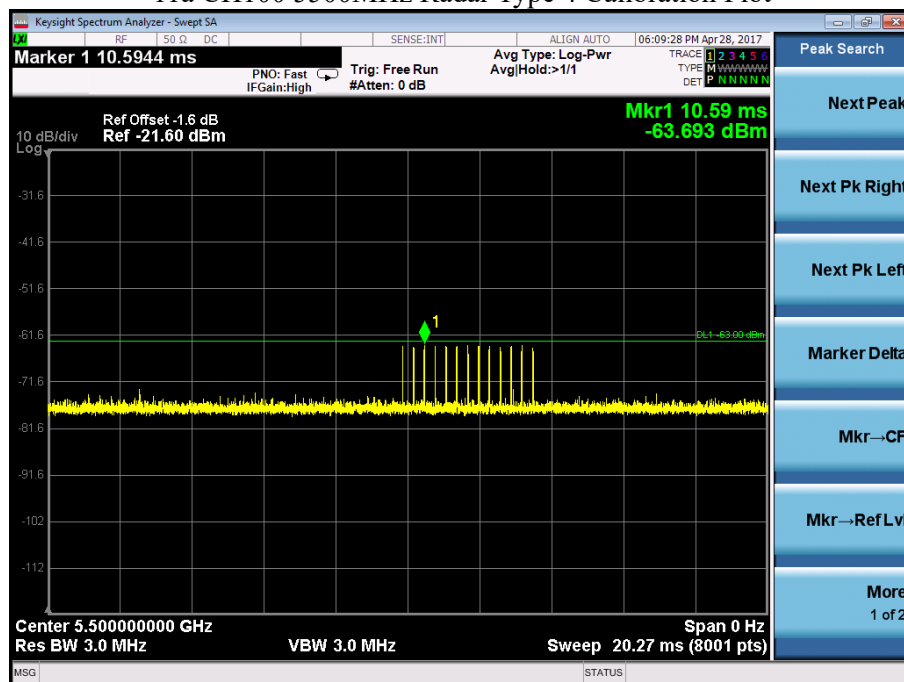
11a CH100 5500MHz Radar Type 2 Calibration Plot



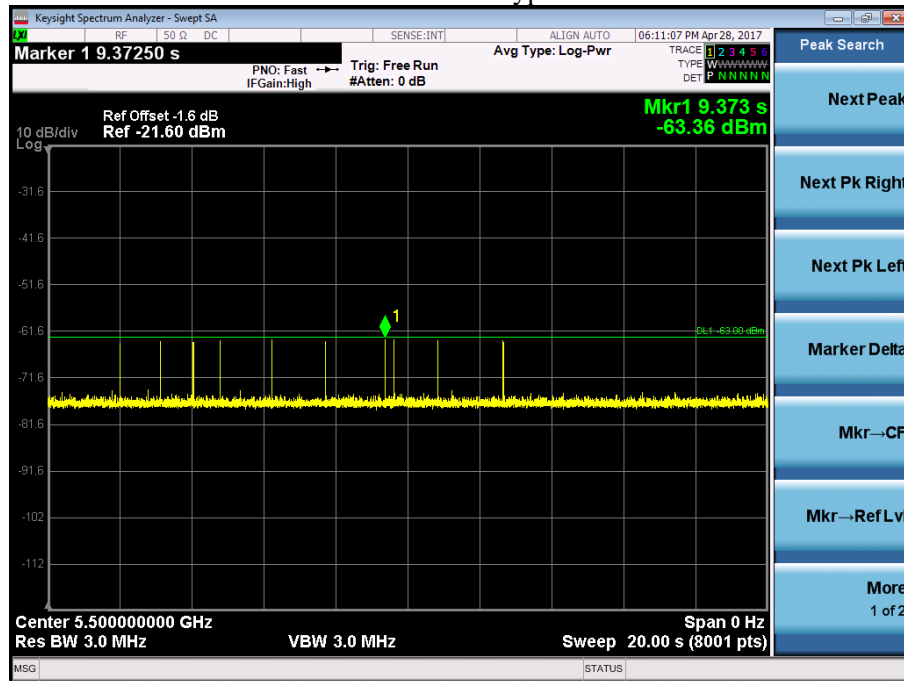
11a CH100 5500MHz Radar Type 3 Calibration Plot



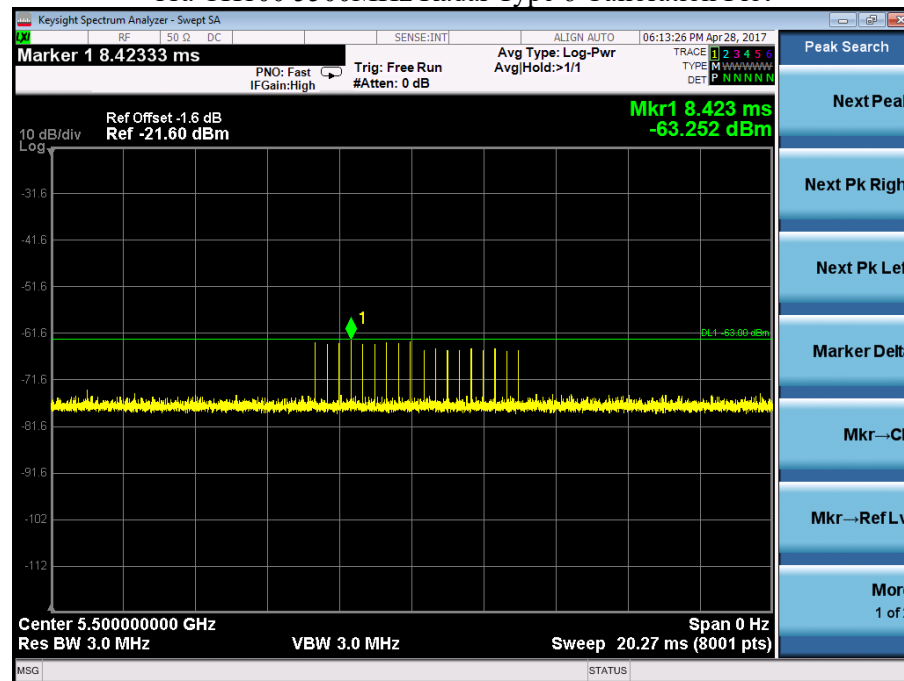
11a CH100 5500MHz Radar Type 4 Calibration Plot



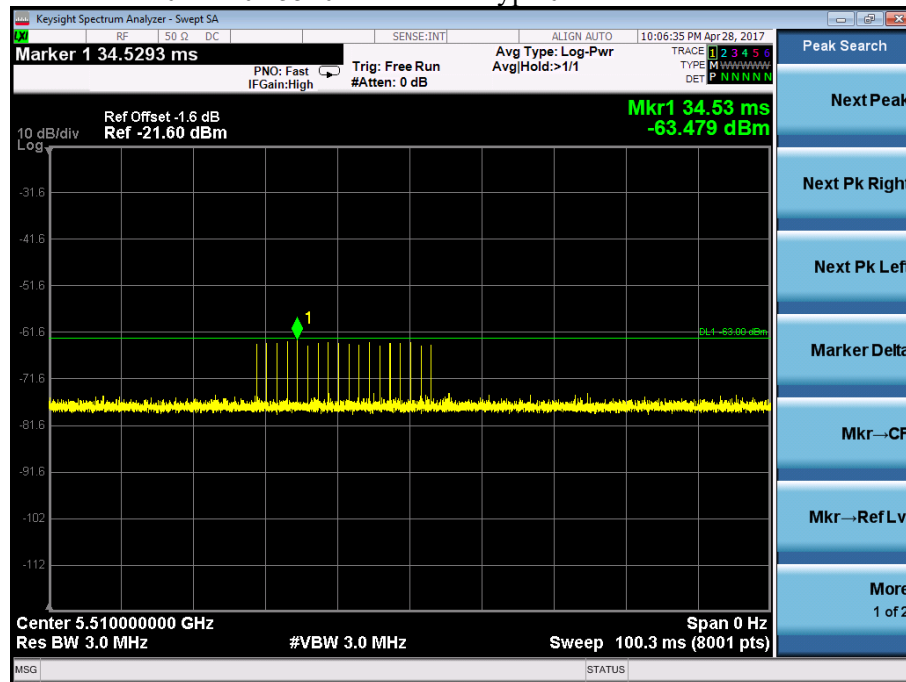
11a CH100 5500MHz Radar Type 5 Calibration Plot



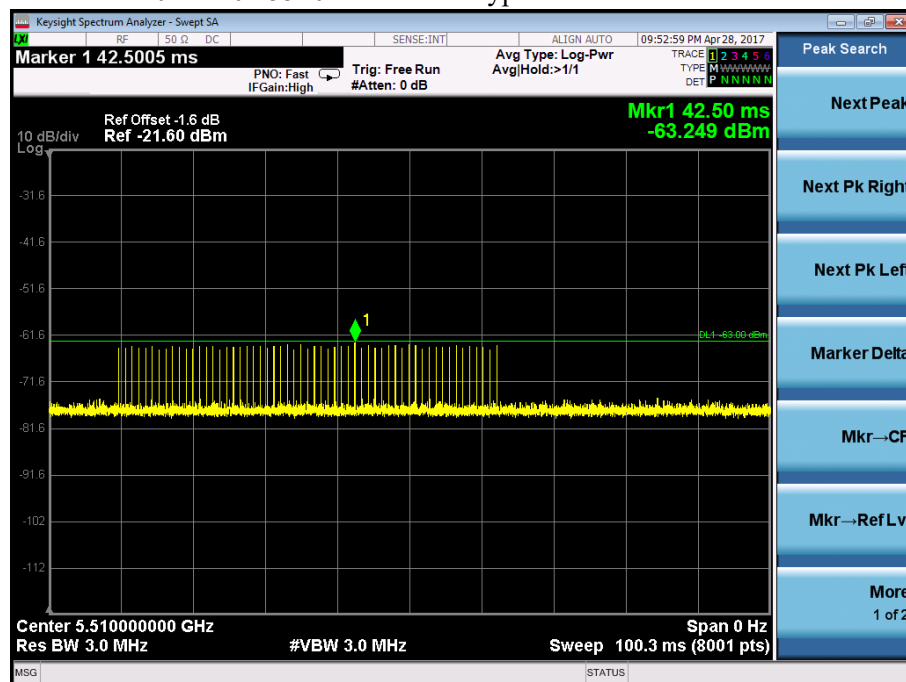
11a CH100 5500MHz Radar Type 6 Calibration Plot



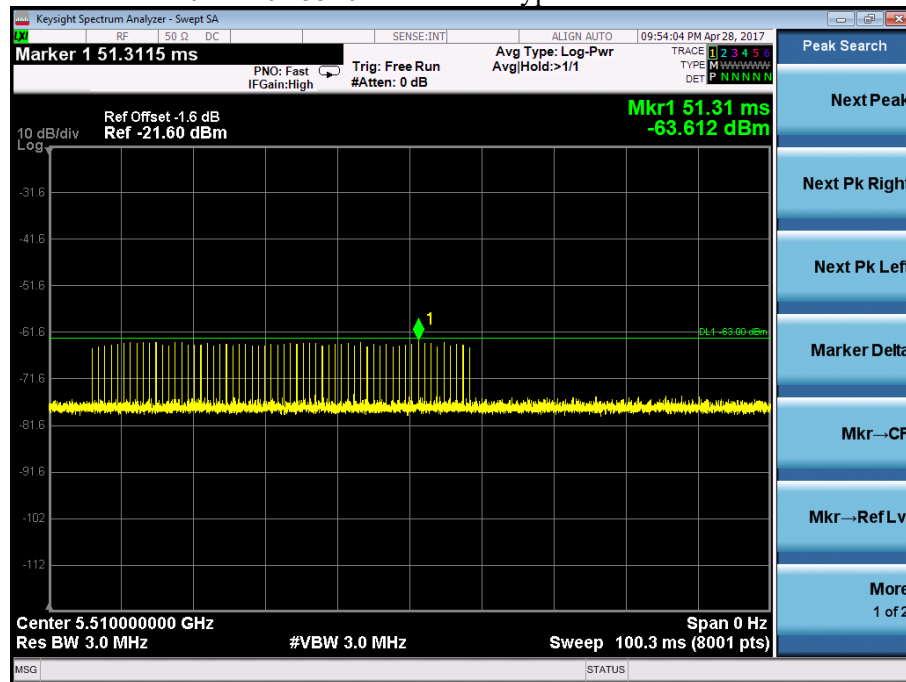
11n40 CH102 5510MHz Radar Type 0 Calibration Plot



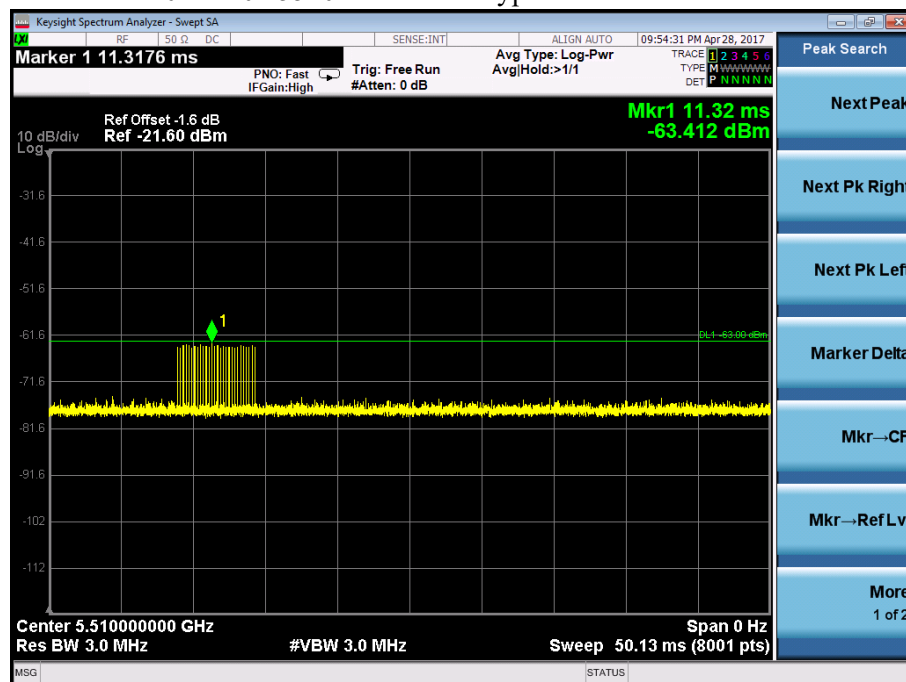
11n40 CH102 5510MHz Radar Type 1A Calibration Plot



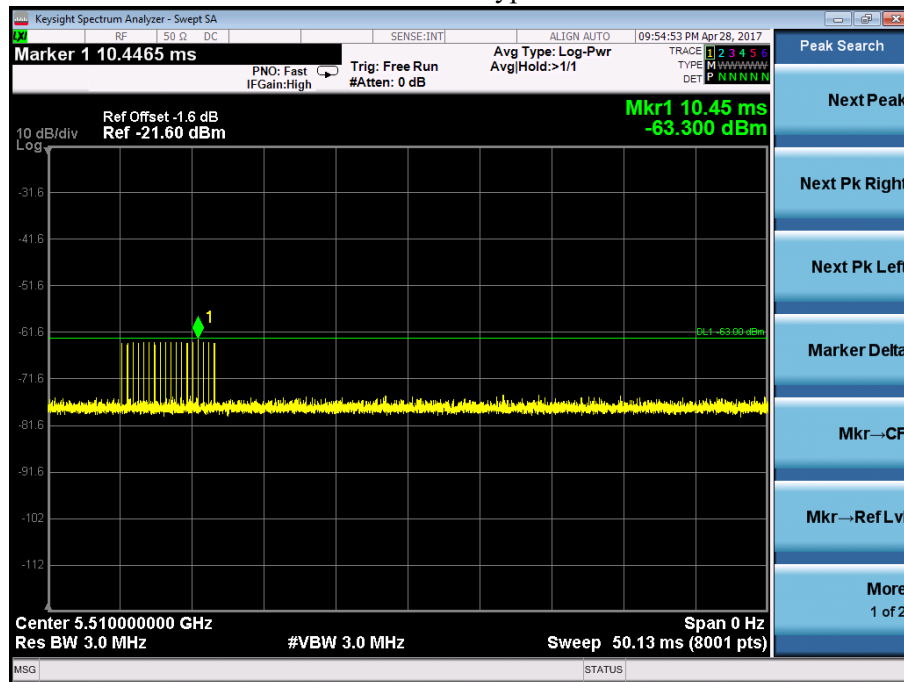
11n40 CH102 5510MHz Radar Type 1B Calibration Plot



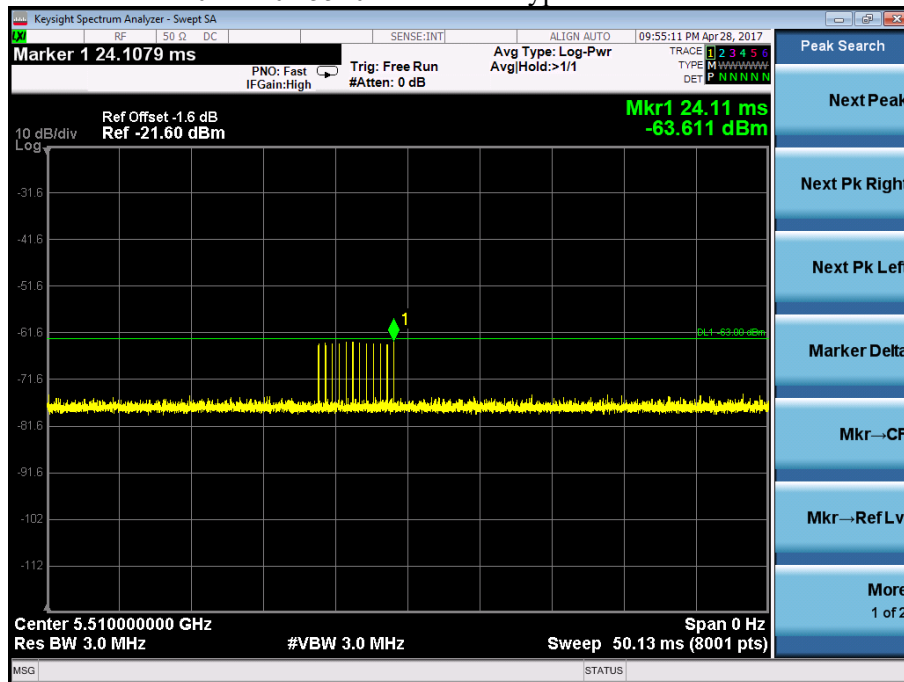
11n40 CH102 5510MHz Radar Type 2 Calibration Plot



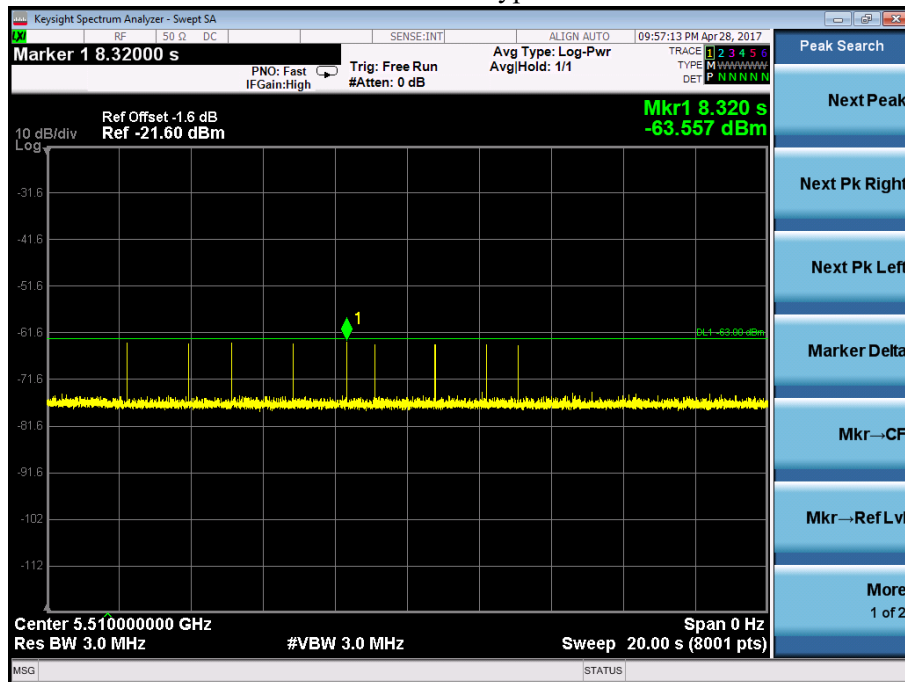
11n40 CH102 5510MHz Radar Type 3 Calibration Plot



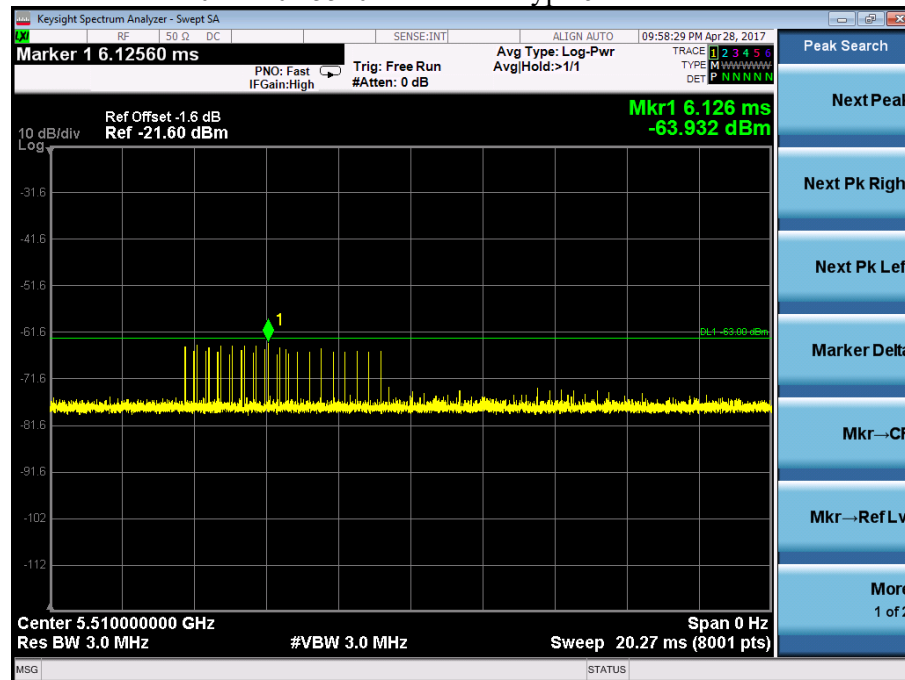
11n40 CH102 5510MHz Radar Type 4 Calibration Plot



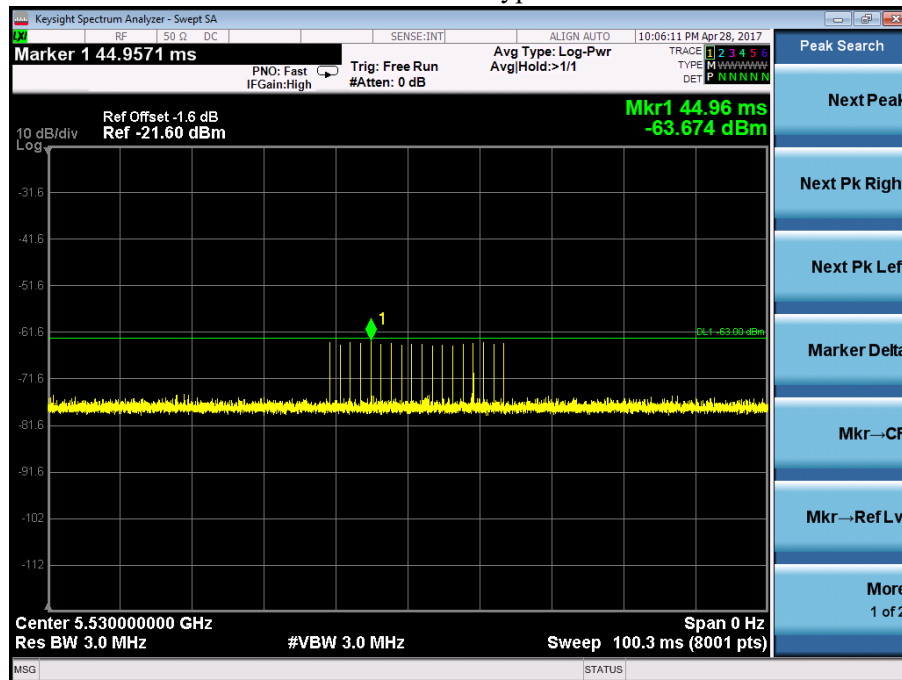
11n40 CH102 5510MHz Radar Type 5 Calibration Plot



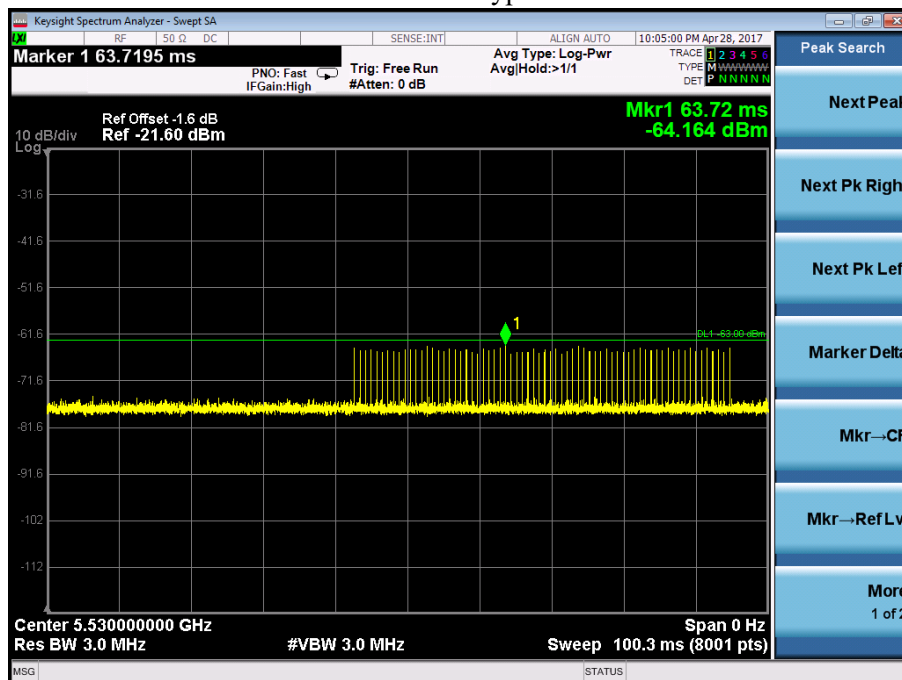
11n40 CH102 5510MHz Radar Type 6 Calibration Plot



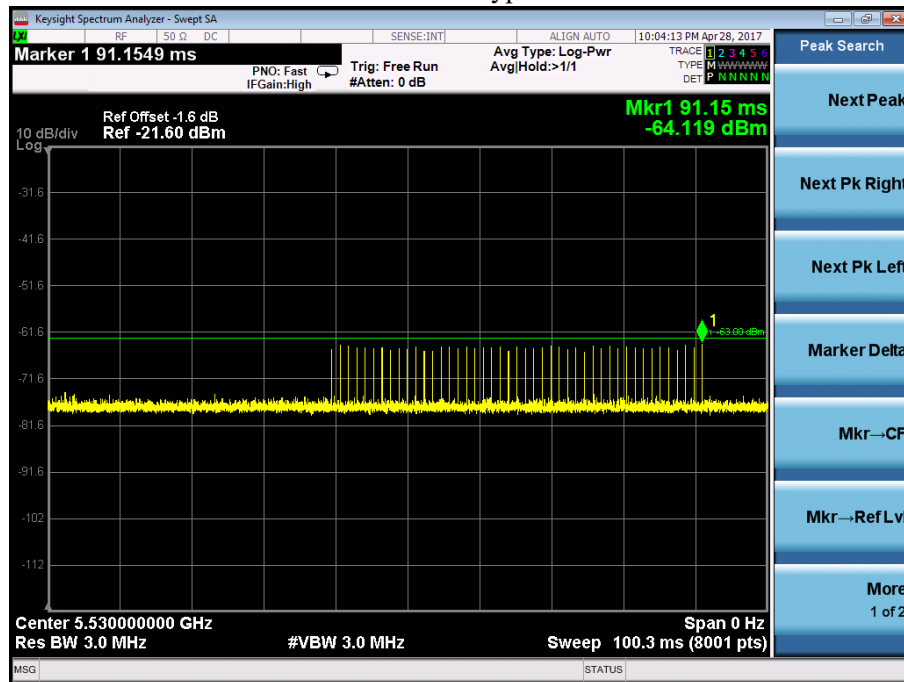
11ac80 CH106 5530MHz Radar Type 0 Calibration Plot



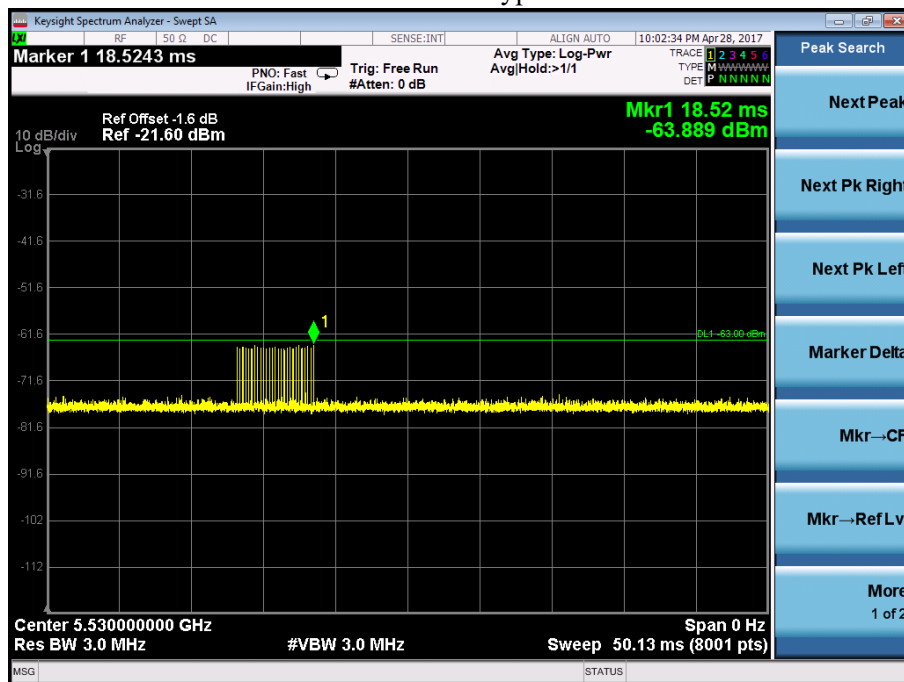
11ac80 CH106 5530MHz Radar Type 1A Calibration Plot



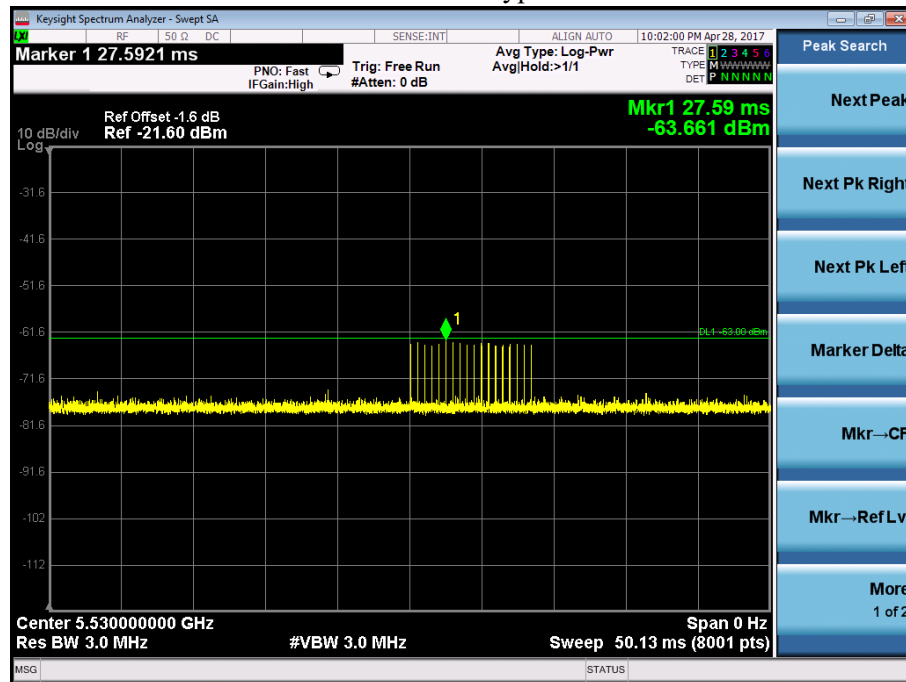
11ac80 CH106 5530MHz Radar Type 1B Calibration Plot



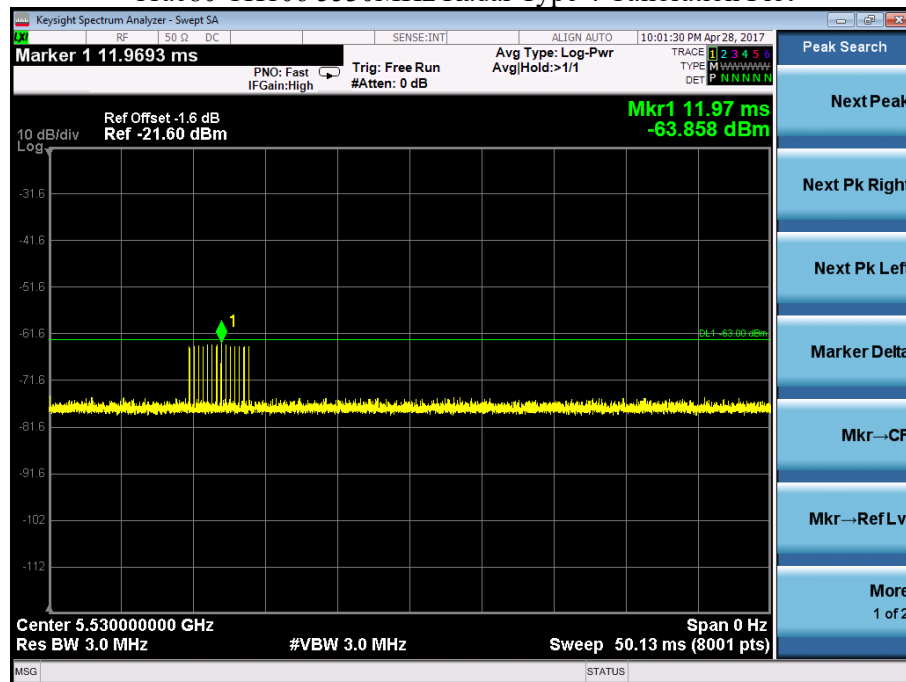
11ac80 CH106 5530MHz Radar Type 2 Calibration Plot



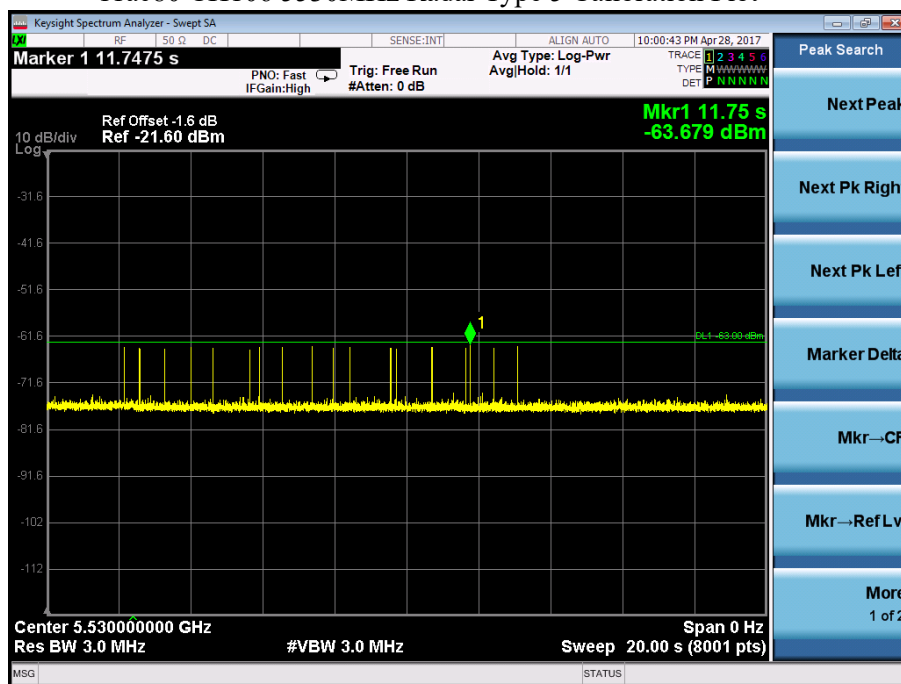
11ac80 CH106 5530MHz Radar Type 3 Calibration Plot



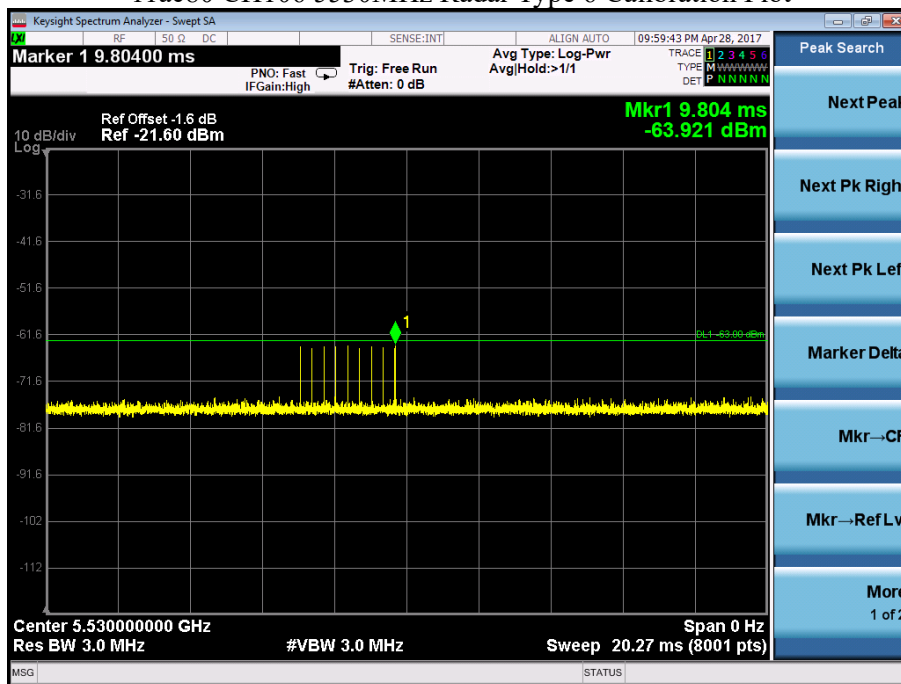
11ac80 CH106 5530MHz Radar Type 4 Calibration Plot



11ac80 CH106 5530MHz Radar Type 5 Calibration Plot



11ac80 CH106 5530MHz Radar Type 6 Calibration Plot



3.3. 測試方法

將待測物、頻譜分析儀、雷達訊號產生器及主控設備依據測試架構圖去配置，頻譜分析儀主要用於監視顯示，確認主控設備偵測到雷達系統後，待測物之頻道移動時間及頻道關閉傳輸時間。設定頻譜分析儀之解析頻寬為 3MHz，視訊頻寬等於解析頻寬，頻率掃描範圍(SPAN)設為零。待測物與主控設備應開啟無線功能，並透過輻射傳導模式互相連結並確保連線負載須大於 17%。

1.UNII 偵測頻寬

待測物在其宣告頻寬測試偵測頻寬,在中心頻率以 1MHz 遞增及遞減雷達訊號每個頻率測試 10 次確認偵測成功機率並紀錄,必須要符合 UNII 99% occupied bandwidth 之 100%頻寬。

2. DFS偵測門檻值

待測物在測試 DFS 偵測門檻值每個雷達波訊號要測試 30 次,偵測雷達訊號在雷達訊號 Type1~4 要符合 60%門檻值,Type1~4 總計要符合 80%,Type5 要符合 80%門檻值, Type6 要符合 70%門檻值。

3. 頻道可用性檢查時間

待測物在使用 DFS 頻道前必須要檢查確認 60 秒鐘後,確認無雷達波才能使用。

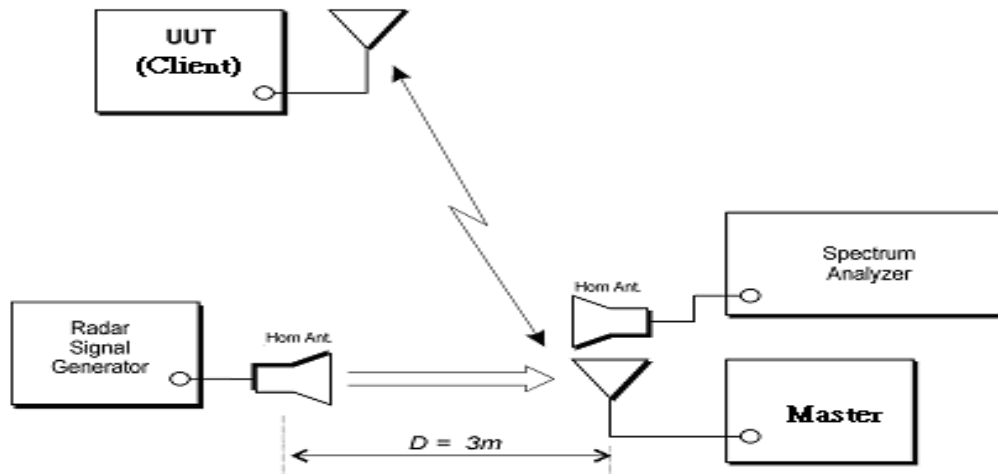
4.頻率移動時間及頻道關閉傳輸時間

在偵測到雷達系統後，所有在該操作頻道上的所有傳輸須在 10 秒內停止，在偵測到雷達信號後，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信號可在剩餘的 60 毫秒時間中傳送，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。

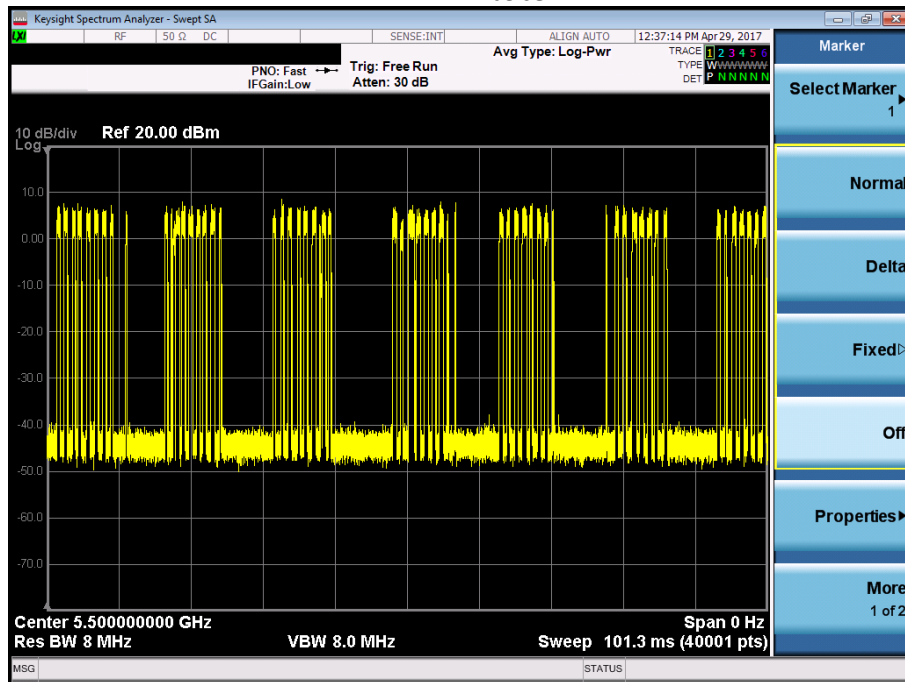
3.4. 測試架構圖



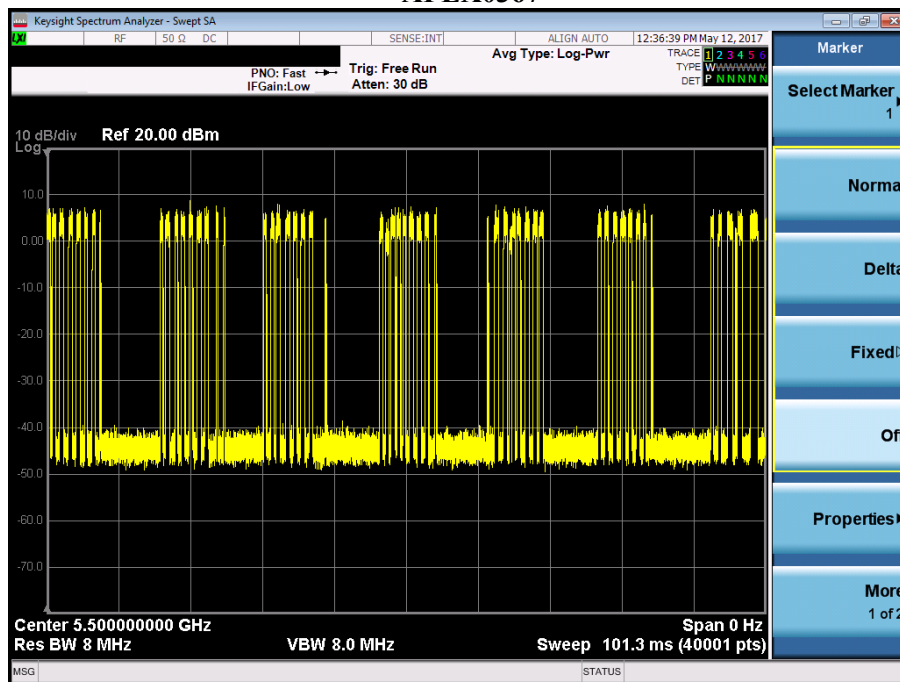
3.5. 連線負載與位準

Plot of WLAN Traffic at 5500MHz-802.11a (ETH6)

APEX0365



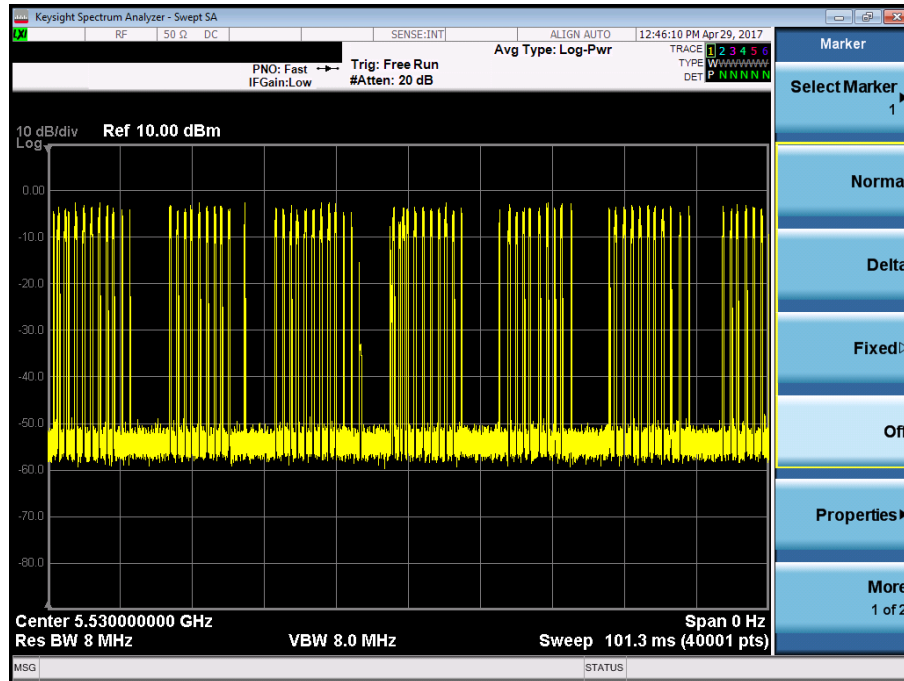
APEX0367



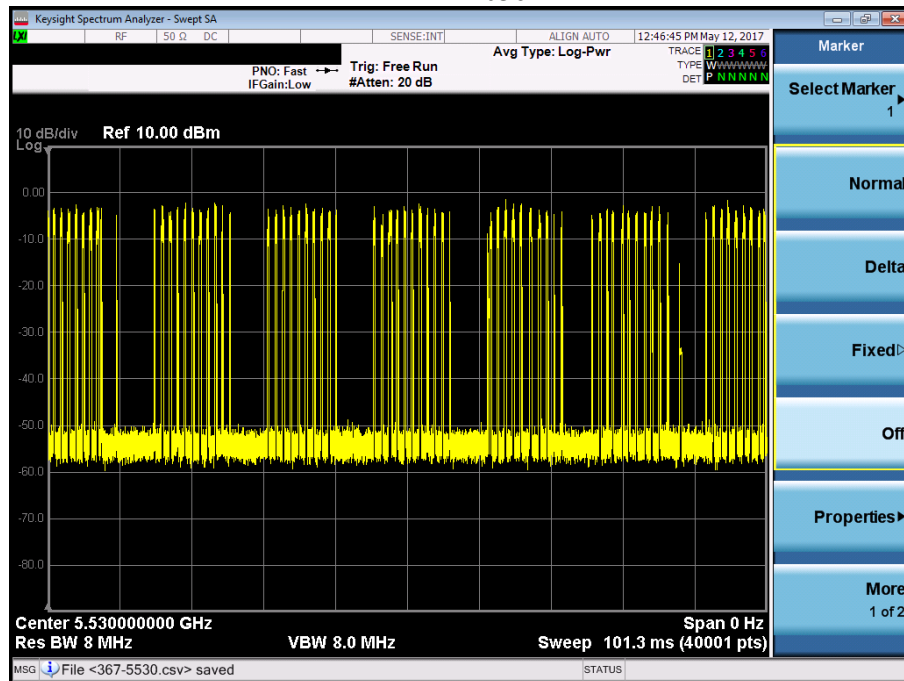
Mode Name	Channel loading	Requirement loading
APEX0365	29.63%	>17%
APEX0367	28.25%	>17%

Plot of WLAN Traffic at 5530MHz-802.11ac 80BW (ETH6)

APEX0365



APEX0367



Mode Name	Channel loading	Requirement loading
APEX0365	19.98%	>17%
APEX0367	18.85%	>17%

3.6. 量測不確定度

此項測試之量測不確定度為 $\pm 1\text{ms}$ 。

3.7. UNII 偵測頻寬量測結果

待測物名稱：Access Point

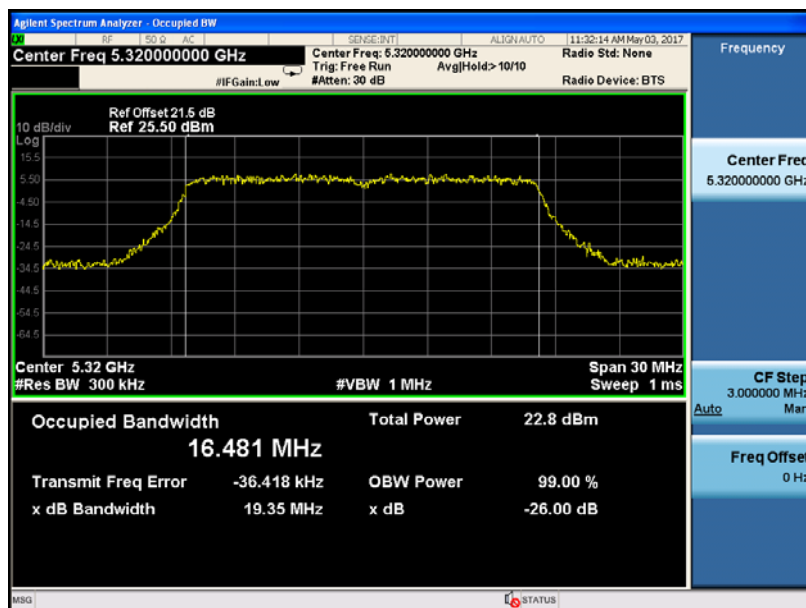
待測物型號：APEX0365, APEX0367 測試項目：UNII 99% occupied bandwidth

檢 測 器：峰值 環境溫度：26 °C

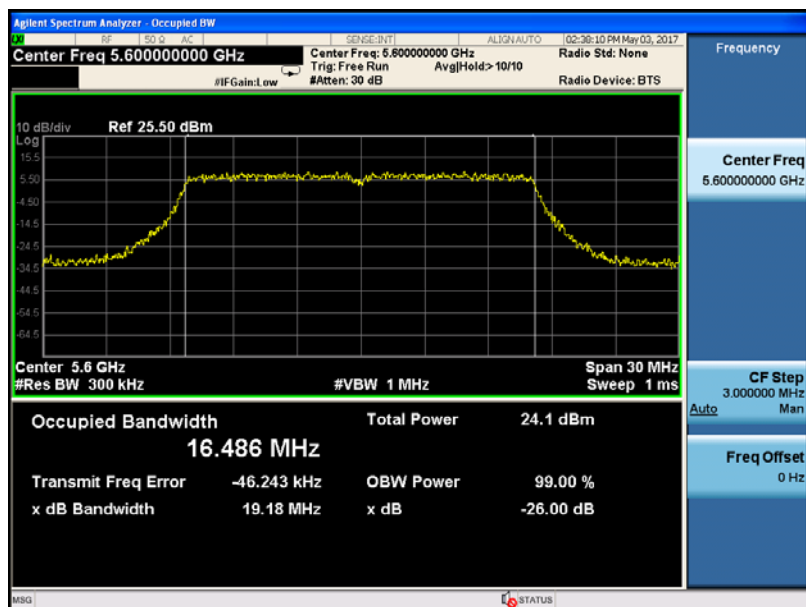
測試日期：106 年 05 月 03 日 環境濕度：58 %

測試模式：Mode 1: 802.11a (ETH6)

APEX0365



APEX0367



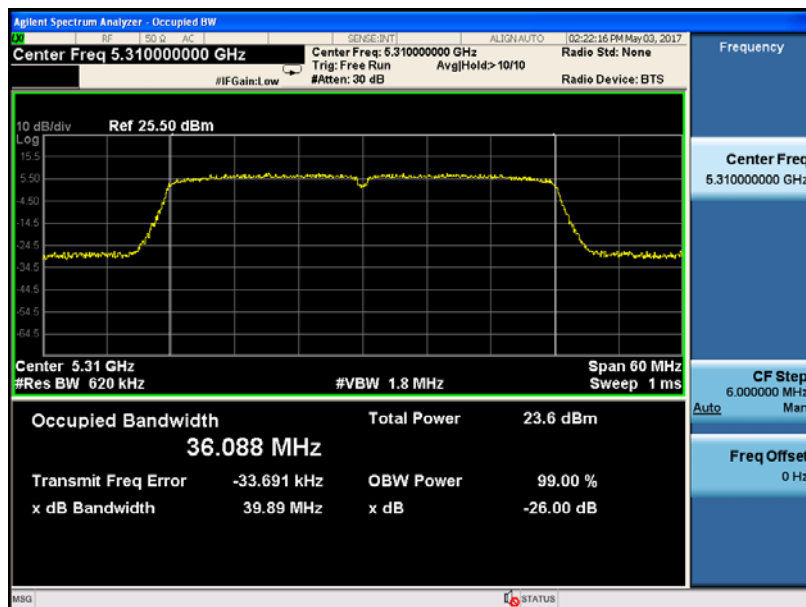
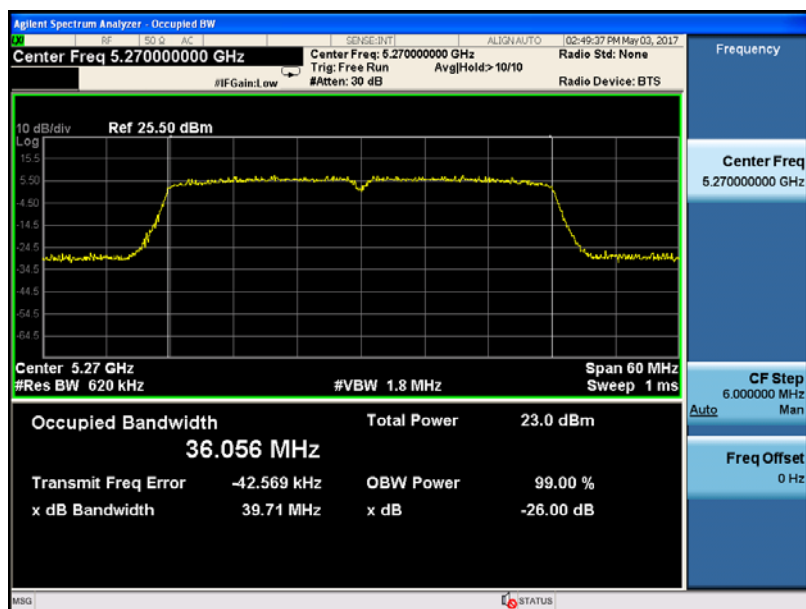
待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：UNII 99% occupied bandwidth

檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 03 日 環境濕度：58 %

測試模式：Mode 2: 802.11n-40MHz BW (ETH6)

APEX0365**APEX0367**

待測物名稱：Access Point

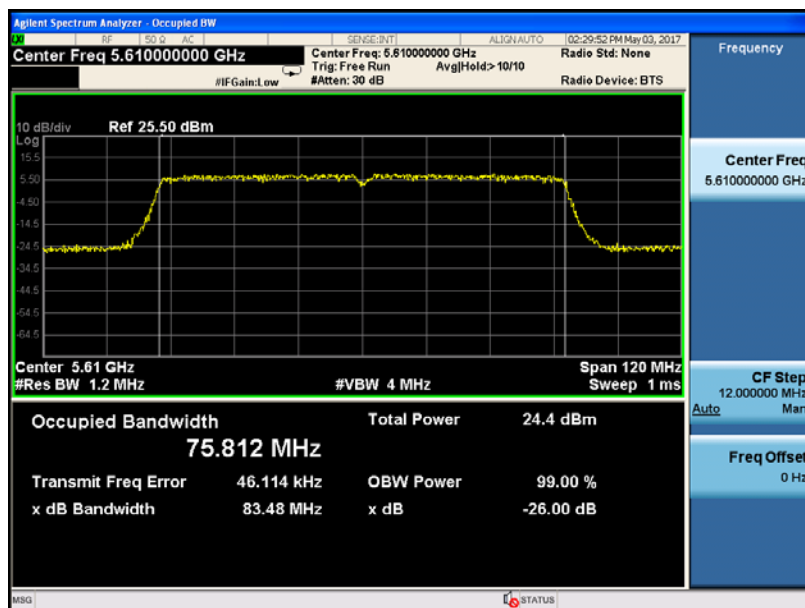
待測物型號：APEX0365, APEX0367 測試項目：UNII 99% occupied bandwidth

檢 測 器：峰值 環境溫度：26 °C

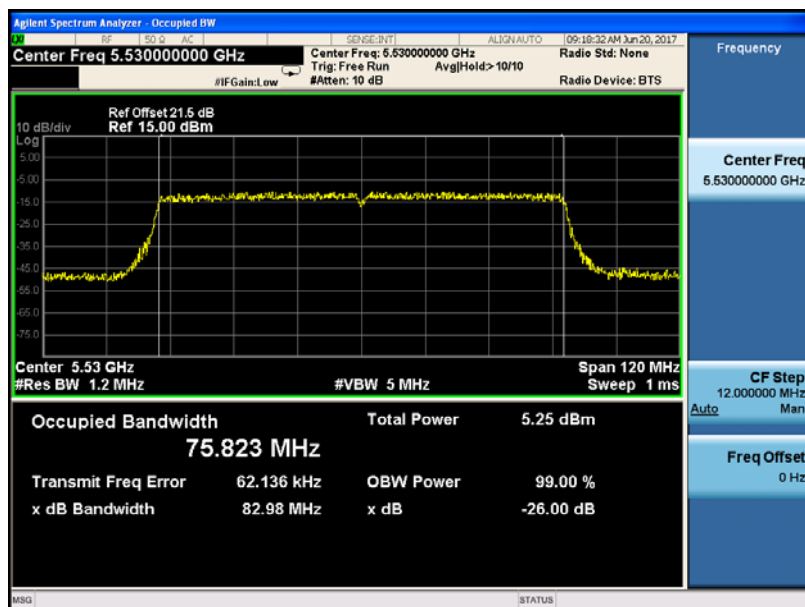
測試日期：106 年 05 月 03 日 環境濕度：58 %

測試模式：Mode 3: 802.11ac-80MHz BW (ETH6)

APEX0365



APEX0367



待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：UNII Detection bandwidth

檢 測 器：峰值

環 境 溫 度：26 °C

測 試 日 期：106 年 05 月 27 日

環 境 濕 度：58 %

測 試 模 式：Mode 1: 802.11a

APEX0365

20 MHz Signal Bandwidth											
EUT Frequency = 5500MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 Fl	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5496	1	1	1	1	1	1	1	1	1	1	100%
5497	1	1	1	1	1	1	1	1	1	1	100%
5498	1	1	1	1	1	1	1	1	1	1	100%
5499	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5501	1	1	1	1	1	1	1	1	1	1	100%
5502	1	1	1	1	1	1	1	1	1	1	100%
5503	1	1	1	1	1	1	1	1	1	1	100%
5504	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510 Fh	1	1	1	1	1	1	1	1	1	1	100%
5511	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = Fh-Fl = 5510MHz - 5490MHz = 20MHz											
EUT 99% Bandwidth = 16.481MHz											
16.481MHz × 100% = 16.481MHz											

APEX0367

20 MHz Signal Bandwidth											
EUT Frequency = 5500MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 Fl	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5496	1	1	1	1	1	1	1	1	1	1	100%
5497	1	1	1	1	1	1	1	1	1	1	100%
5498	1	1	1	1	1	1	1	1	1	1	100%
5499	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5501	1	1	1	1	1	1	1	1	1	1	100%
5502	1	1	1	1	1	1	1	1	1	1	100%
5503	1	1	1	1	1	1	1	1	1	1	100%
5504	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510 Fh	1	1	1	1	1	1	1	1	1	1	100%
5511	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = Fh-Fl = 5510MHz - 5490MHz = 20MHz											
EUT 99% Bandwidth = 16.486MHz											
16.486MHz × 100% = 16.486MHz											

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：UNII Detection bandwidth

檢 測 器：峰值

環 境 溫 度：26 °C

測 試 日 期：106 年 05 月 27 日

環 境 濕 度：58 %

測 試 模 式：Mode 2: 802.11n-40MHz BW

APEX0365

40 MHz Signal Bandwidth											
EUT Frequency = 5510MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 Fl	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5496	1	1	1	1	1	1	1	1	1	1	100%
5497	1	1	1	1	1	1	1	1	1	1	100%
5498	1	1	1	1	1	1	1	1	1	1	100%
5499	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5501	1	1	1	1	1	1	1	1	1	1	100%
5502	1	1	1	1	1	1	1	1	1	1	100%
5503	1	1	1	1	1	1	1	1	1	1	100%
5504	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5511	1	1	1	1	1	1	1	1	1	1	100%
5512	1	1	1	1	1	1	1	1	1	1	100%
5513	1	1	1	1	1	1	1	1	1	1	100%
5514	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5516	1	1	1	1	1	1	1	1	1	1	100%
5517	1	1	1	1	1	1	1	1	1	1	100%
5518	1	1	1	1	1	1	1	1	1	1	100%
5519	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5521	1	1	1	1	1	1	1	1	1	1	100%

5522	1	1	1	1	1	1	1	1	1	1	100%
5523	1	1	1	1	1	1	1	1	1	1	100%
5524	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529	1	1	1	1	1	1	1	1	1	1	100%
5530 Fh	1	1	1	1	1	1	1	1	1	1	100%
5531	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = Fh-Fl = 5530MHz - 5490MHz = 40MHz											
EUT 99% Bandwidth = 36.088MHz											
36.088MHz × 100% = 36.088MHz											

APEX0367

40 MHz Signal Bandwidth											
EUT Frequency = 5510MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 F1	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5496	1	1	1	1	1	1	1	1	1	1	100%
5497	1	1	1	1	1	1	1	1	1	1	100%
5498	1	1	1	1	1	1	1	1	1	1	100%
5499	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5501	1	1	1	1	1	1	1	1	1	1	100%
5502	1	1	1	1	1	1	1	1	1	1	100%
5503	1	1	1	1	1	1	1	1	1	1	100%
5504	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5511	1	1	1	1	1	1	1	1	1	1	100%
5512	1	1	1	1	1	1	1	1	1	1	100%
5513	1	1	1	1	1	1	1	1	1	1	100%
5514	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5516	1	1	1	1	1	1	1	1	1	1	100%
5517	1	1	1	1	1	1	1	1	1	1	100%
5518	1	1	1	1	1	1	1	1	1	1	100%

5519	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5521	1	1	1	1	1	1	1	1	1	1	100%
5522	1	1	1	1	1	1	1	1	1	1	100%
5523	1	1	1	1	1	1	1	1	1	1	100%
5524	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529	1	1	1	1	1	1	1	1	1	1	100%
5530 Fh	1	1	1	1	1	1	1	1	1	1	100%
5531	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = Fh-Fl = 5530MHz - 5490MHz = 40MHz											
EUT 99% Bandwidth = 36.056MHz											
36.056MHz × 100% = 36.056MHz											

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：UNII Detection bandwidth

檢 測 器：峰值

環 境 溫 度：26 °C

測 試 日 期：106 年 05 月 27 日

環 境 濕 度：58 %

測 試 模 式：Mode 3: 802.11ac-80MHz BW

APEX0365

80 MHz Signal Bandwidth											
EUT Frequency = 5530MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 F1	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5496	1	1	1	1	1	1	1	1	1	1	100%
5497	1	1	1	1	1	1	1	1	1	1	100%
5498	1	1	1	1	1	1	1	1	1	1	100%
5499	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5501	1	1	1	1	1	1	1	1	1	1	100%
5502	1	1	1	1	1	1	1	1	1	1	100%
5503	1	1	1	1	1	1	1	1	1	1	100%
5504	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5511	1	1	1	1	1	1	1	1	1	1	100%
5512	1	1	1	1	1	1	1	1	1	1	100%
5513	1	1	1	1	1	1	1	1	1	1	100%

5514	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5516	1	1	1	1	1	1	1	1	1	1	100%
5517	1	1	1	1	1	1	1	1	1	1	100%
5518	1	1	1	1	1	1	1	1	1	1	100%
5519	1	1	1	1	1	1	1	1	1	1	100%
5520	1	1	1	1	1	1	1	1	1	1	100%
5521	1	1	1	1	1	1	1	1	1	1	100%
5522	1	1	1	1	1	1	1	1	1	1	100%
5523	1	1	1	1	1	1	1	1	1	1	100%
5524	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1	1	1	1	1	1	1	100%
5531	1	1	1	1	1	1	1	1	1	1	100%
5532	1	1	1	1	1	1	1	1	1	1	100%
5533	1	1	1	1	1	1	1	1	1	1	100%
5534	1	1	1	1	1	1	1	1	1	1	100%
5535	1	1	1	1	1	1	1	1	1	1	100%
5536	1	1	1	1	1	1	1	1	1	1	100%
5537	1	1	1	1	1	1	1	1	1	1	100%
5538	1	1	1	1	1	1	1	1	1	1	100%
5539	1	1	1	1	1	1	1	1	1	1	100%
5540	1	1	1	1	1	1	1	1	1	1	100%
5541	1	1	1	1	1	1	1	1	1	1	100%
5542	1	1	1	1	1	1	1	1	1	1	100%
5543	1	1	1	1	1	1	1	1	1	1	100%
5544	1	1	1	1	1	1	1	1	1	1	100%
5545	1	1	1	1	1	1	1	1	1	1	100%
5546	1	1	1	1	1	1	1	1	1	1	100%
5547	1	1	1	1	1	1	1	1	1	1	100%
5548	1	1	1	1	1	1	1	1	1	1	100%
5549	1	1	1	1	1	1	1	1	1	1	100%

5550	1	1	1	1	1	1	1	1	1	1	100%
5552	1	1	1	1	1	1	1	1	1	1	100%
5553	1	1	1	1	1	1	1	1	1	1	100%
5554	1	1	1	1	1	1	1	1	1	1	100%
5555	1	1	1	1	1	1	1	1	1	1	100%
5556	1	1	1	1	1	1	1	1	1	1	100%
5557	1	1	1	1	1	1	1	1	1	1	100%
5558	1	1	1	1	1	1	1	1	1	1	100%
5559	1	1	1	1	1	1	1	1	1	1	100%
5560	1	1	1	1	1	1	1	1	1	1	100%
5561	1	1	1	1	1	1	1	1	1	1	100%
5562	1	1	1	1	1	1	1	1	1	1	100%
5563	1	1	1	1	1	1	1	1	1	1	100%
5564	1	1	1	1	1	1	1	1	1	1	100%
5565	1	1	1	1	1	1	1	1	1	1	100%
5566	1	1	1	1	1	1	1	1	1	1	100%
5567	1	1	1	1	1	1	1	1	1	1	100%
5568	1	1	1	1	1	1	1	1	1	1	100%
5569	1	1	1	1	1	1	1	1	1	1	100%
5570 Fh	1	1	1	1	1	1	1	1	1	1	100%
5571	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = Fh-Fl = 5570MHz - 5490MHz = 80MHz											
EUT 99% Bandwidth =75.812MHz											
75.812MHz × 100% =75.812MHz											

APEX0367

80 MHz Signal Bandwidth											
EUT Frequency = 5530MHz											
Radar Frequency (MHz)	DFS Detection Trials (1=Detection, Blank= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5489	0	0	0	0	0	0	0	0	0	0	0%
5490 F1	1	1	1	1	1	1	1	1	1	1	100%
5491	1	1	1	1	1	1	1	1	1	1	100%
5492	1	1	1	1	1	1	1	1	1	1	100%
5493	1	1	1	1	1	1	1	1	1	1	100%
5494	1	1	1	1	1	1	1	1	1	1	100%
5495	1	1	1	1	1	1	1	1	1	1	100%
5496	1	1	1	1	1	1	1	1	1	1	100%
5497	1	1	1	1	1	1	1	1	1	1	100%
5498	1	1	1	1	1	1	1	1	1	1	100%
5499	1	1	1	1	1	1	1	1	1	1	100%
5500	1	1	1	1	1	1	1	1	1	1	100%
5501	1	1	1	1	1	1	1	1	1	1	100%
5502	1	1	1	1	1	1	1	1	1	1	100%
5503	1	1	1	1	1	1	1	1	1	1	100%
5504	1	1	1	1	1	1	1	1	1	1	100%
5505	1	1	1	1	1	1	1	1	1	1	100%
5506	1	1	1	1	1	1	1	1	1	1	100%
5507	1	1	1	1	1	1	1	1	1	1	100%
5508	1	1	1	1	1	1	1	1	1	1	100%
5509	1	1	1	1	1	1	1	1	1	1	100%
5510	1	1	1	1	1	1	1	1	1	1	100%
5511	1	1	1	1	1	1	1	1	1	1	100%
5512	1	1	1	1	1	1	1	1	1	1	100%
5513	1	1	1	1	1	1	1	1	1	1	100%
5514	1	1	1	1	1	1	1	1	1	1	100%
5515	1	1	1	1	1	1	1	1	1	1	100%
5516	1	1	1	1	1	1	1	1	1	1	100%
5517	1	1	1	1	1	1	1	1	1	1	100%
5518	1	1	1	1	1	1	1	1	1	1	100%
5519	1	1	1	1	1	1	1	1	1	1	100%

5520	1	1	1	1	1	1	1	1	1	1	100%
5521	1	1	1	1	1	1	1	1	1	1	100%
5522	1	1	1	1	1	1	1	1	1	1	100%
5523	1	1	1	1	1	1	1	1	1	1	100%
5524	1	1	1	1	1	1	1	1	1	1	100%
5525	1	1	1	1	1	1	1	1	1	1	100%
5526	1	1	1	1	1	1	1	1	1	1	100%
5527	1	1	1	1	1	1	1	1	1	1	100%
5528	1	1	1	1	1	1	1	1	1	1	100%
5529	1	1	1	1	1	1	1	1	1	1	100%
5530	1	1	1	1	1	1	1	1	1	1	100%
5531	1	1	1	1	1	1	1	1	1	1	100%
5532	1	1	1	1	1	1	1	1	1	1	100%
5533	1	1	1	1	1	1	1	1	1	1	100%
5534	1	1	1	1	1	1	1	1	1	1	100%
5535	1	1	1	1	1	1	1	1	1	1	100%
5536	1	1	1	1	1	1	1	1	1	1	100%
5537	1	1	1	1	1	1	1	1	1	1	100%
5538	1	1	1	1	1	1	1	1	1	1	100%
5539	1	1	1	1	1	1	1	1	1	1	100%
5540	1	1	1	1	1	1	1	1	1	1	100%
5541	1	1	1	1	1	1	1	1	1	1	100%
5542	1	1	1	1	1	1	1	1	1	1	100%
5543	1	1	1	1	1	1	1	1	1	1	100%
5544	1	1	1	1	1	1	1	1	1	1	100%
5545	1	1	1	1	1	1	1	1	1	1	100%
5546	1	1	1	1	1	1	1	1	1	1	100%
5547	1	1	1	1	1	1	1	1	1	1	100%
5548	1	1	1	1	1	1	1	1	1	1	100%
5549	1	1	1	1	1	1	1	1	1	1	100%
5550	1	1	1	1	1	1	1	1	1	1	100%
5552	1	1	1	1	1	1	1	1	1	1	100%
5553	1	1	1	1	1	1	1	1	1	1	100%
5554	1	1	1	1	1	1	1	1	1	1	100%
5555	1	1	1	1	1	1	1	1	1	1	100%
5556	1	1	1	1	1	1	1	1	1	1	100%

5557	1	1	1	1	1	1	1	1	1	1	100%
5558	1	1	1	1	1	1	1	1	1	1	100%
5559	1	1	1	1	1	1	1	1	1	1	100%
5560	1	1	1	1	1	1	1	1	1	1	100%
5561	1	1	1	1	1	1	1	1	1	1	100%
5562	1	1	1	1	1	1	1	1	1	1	100%
5563	1	1	1	1	1	1	1	1	1	1	100%
5564	1	1	1	1	1	1	1	1	1	1	100%
5565	1	1	1	1	1	1	1	1	1	1	100%
5566	1	1	1	1	1	1	1	1	1	1	100%
5567	1	1	1	1	1	1	1	1	1	1	100%
5568	1	1	1	1	1	1	1	1	1	1	100%
5569	1	1	1	1	1	1	1	1	1	1	100%
5570 Fh	1	1	1	1	1	1	1	1	1	1	100%
5571	0	0	0	0	0	0	0	0	0	0	0%
Detection Bandwidth = Fh-Fl = 5570MHz - 5490MHz = 80MHz											
EUT 99% Bandwidth = 75.823MHz											
75.823MHz × 100% = 75.823MHz											

3.8. DFS 偵測門檻值量測結果

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367

檢 測 器：峰值

測 試 日 期：106 年 05 月 27 日

測 試 模 式：Mode 1: 802.11a

測 試 項 目：DFS 偵測門檻值

環 境 溫 度：26 °C

環 境 濕 度：58 %

APEX0365

Type 1

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	1	758	70	1
2	5501	1	878	61	1
3	5502	1	578	92	1
4	5503	1	778	68	1
5	5504	1	638	83	1
6	5505	1	658	81	1
7	5506	1	558	95	1
8	5507	1	598	89	1
9	5508	1	838	63	1
10	5509	1	518	102	1
11	5490	1	718	74	1
12	5492	1	818	65	1
13	5493	1	738	72	1
14	5494	1	678	78	1
15	5495	1	698	76	1
16	5496	1	1394	38	1
17	5497	1	2807	19	1
18	5498	1	1711	31	1
19	5499	1	2281	24	1
20	5500	1	2398	23	1
21	5501	1	3064	18	1
22	5502	1	1329	40	1
23	5503	1	2455	22	1
24	5504	1	2420	22	0
25	5505	1	1431	37	1
26	5506	1	807	66	1
27	5507	1	766	69	1
28	5508	1	2093	26	1
29	5509	1	1235	43	1
30	5500	1	917	58	1
Detection Percentage					96.67% (>60%)

Type2

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	3.700000048	206	29	1
2	5501	4.5	167	28	1
3	5502	2.900000095	202	28	1
4	5503	2.900000095	224	26	1
5	5504	2.400000095	209	24	1
6	5505	2.200000048	181	27	1
7	5506	3	164	23	1
8	5507	1.899999976	215	29	1
9	5508	2.100000143	188	23	1
10	5509	1.5	203	25	1
11	5491	2.799999952	195	23	1
12	5492	2.900000095	219	24	1
13	5493	3.600000143	227	27	1
14	5494	2.700000048	174	25	1
15	5495	1.200000048	167	25	1
16	5496	4.5	172	29	1
17	5497	1.399999976	209	27	1
18	5498	3.5	180	23	0
19	5499	1.800000072	197	27	1
20	5501	2.900000095	204	23	1
21	5502	2	189	26	0
22	5503	1.899999976	193	25	1
23	5504	3.299999952	197	23	1
24	5505	1.100000024	225	29	1
25	5506	3.700000048	214	27	1
26	5507	5	230	26	0
27	5508	2.700000048	168	25	1
28	5509	1.700000048	216	25	1
29	5500	3.5	154	25	0
30	5500	1.200000048	179	25	1
Detection Percentage					86.67% (>60%)

Type3

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	8.5	387	17	1
2	5501	7.800000191	435	17	1
3	5502	9.400000572	422	16	1
4	5503	8.199999809	270	17	1
5	5504	10	409	17	1
6	5505	6.700000286	432	18	1
7	5506	6	326	17	1
8	5507	6.400000095	259	17	1
9	5508	8.300000191	466	17	1
10	5509	9.800000191	371	16	0
11	5491	9.400000572	467	17	1
12	5492	9.900000572	499	18	1
13	5493	6.700000286	402	17	1
14	5494	8.5	378	17	1
15	5495	9.900000572	276	18	1
16	5496	6.800000191	495	17	1
17	5497	9.300000191	378	16	1
18	5498	7.300000191	264	18	1
19	5499	6	392	16	1
20	5501	9.800000191	333	17	1
21	5502	10	374	17	1
22	5503	7.800000191	478	16	0
23	5504	9.900000572	472	17	1
24	5505	8.300000191	258	16	1
25	5506	7.5	381	17	1
26	5507	6.700000286	309	17	1
27	5508	9.900000572	286	18	0
28	5509	6.099999905	342	16	0
29	5500	9.699999809	490	18	1
30	5500	6.099999905	313	17	1
Detection Percentage					86.67% (>60%)

Type4

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	11.69999981	470	12	1
2	5501	17.10000038	483	14	0
3	5502	11.60000038	401	13	1
4	5503	18.5	261	13	1
5	5504	11.30000019	412	15	1
6	5505	18.5	439	16	1
7	5506	14.19999981	405	13	1
8	5507	18.60000038	433	16	1
9	5508	12.69999981	290	16	1
10	5509	11.40000057	253	12	0
11	5491	17.20000076	403	12	1
12	5492	18.89999962	292	15	1
13	5493	11.5	455	16	0
14	5494	11.30000019	429	16	1
15	5495	12.80000019	286	12	1
16	5496	16.60000038	307	13	1
17	5497	16.60000038	301	13	1
18	5498	14.40000057	430	14	1
19	5499	18.5	382	13	1
20	5501	17.39999962	265	12	1
21	5502	16	368	12	1
22	5503	16.20000076	446	13	1
23	5504	19.60000038	345	16	1
24	5505	14.90000057	268	13	1
25	5506	16.30000114	447	15	1
26	5507	12	343	15	1
27	5508	15.80000019	422	15	1
28	5509	19.89999962	494	15	1
29	5500	12.10000038	261	12	0
30	5500	14.10000038	439	12	1
Detection Percentage					86.67% (>60%)

Type5

Trial Number	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency(Ghz)	1=Detection 0=No Detection
1	Type 5	15	0.8000000	12.0000000	5.500000000	1
2	Type 5	8	1.5000000	12.0000000	5.500000000	1
3	Type 5	11	1.0909091	12.0000000	5.500000000	1
4	Type 5	20	0.6000000	12.0000000	5.500000000	1
5	Type 5	17	0.7058824	12.0000000	5.500000000	1
6	Type 5	14	0.8571429	12.0000000	5.500000000	1
7	Type 5	15	0.8000000	12.0000000	5.500000000	1
8	Type 5	12	1.0000000	12.0000000	5.500000000	1
9	Type 5	14	0.8571429	12.0000000	5.500000000	1
10	Type 5	8	1.5000000	12.0000000	5.500000000	1
11	Type 5	17	0.7058824	12.0000000	5.503900000	1
12	Type 5	19	0.6315789	12.0000000	5.505100000	1
13	Type 5	15	0.8000000	12.0000000	5.502700000	1
14	Type 5	12	1.0000000	12.0000000	5.501500000	1
15	Type 5	19	0.6315789	12.0000000	5.504700000	1
16	Type 5	14	0.8571429	12.0000000	5.502300000	1
17	Type 5	20	0.6000000	12.0000000	5.505500000	1
18	Type 5	12	1.0000000	12.0000000	5.501500000	1
19	Type 5	14	0.8571429	12.0000000	5.502300000	1
20	Type 5	12	1.0000000	12.0000000	5.501500000	1
21	Type 5	16	0.7500000	12.0000000	5.496500000	1
22	Type 5	12	1.0000000	12.0000000	5.498900000	1
23	Type 5	20	0.6000000	12.0000000	5.494500000	1
24	Type 5	14	0.8571429	12.0000000	5.497700000	0
25	Type 5	13	0.9230769	12.0000000	5.498100000	1
26	Type 5	8	1.5000000	12.0000000	5.500500000	1
27	Type 5	17	0.7058824	12.0000000	5.496100000	0
28	Type 5	19	0.6315789	12.0000000	5.494900000	1
29	Type 5	12	1.0000000	12.0000000	5.498500000	0
30	Type 5	18	0.6666667	12.0000000	5.495700000	0
Detection Percentage						86.67% (>80%)

Type6

Trial Number	File name	1=Detection 0=No Detection
1	Statistical_Check_RandParm_For_Radar_Type_6_1_trail	1
2	Statistical_Check_RandParm_For_Radar_Type_6_2_trail	1
3	Statistical_Check_RandParm_For_Radar_Type_6_3_trail	1
4	Statistical_Check_RandParm_For_Radar_Type_6_4_trail	1
5	Statistical_Check_RandParm_For_Radar_Type_6_5_trail	0
6	Statistical_Check_RandParm_For_Radar_Type_6_6_trail	1
7	Statistical_Check_RandParm_For_Radar_Type_6_7_trail	1
8	Statistical_Check_RandParm_For_Radar_Type_6_8_trail	1
9	Statistical_Check_RandParm_For_Radar_Type_6_9_trail	1
10	Statistical_Check_RandParm_For_Radar_Type_6_10_trail	1
11	Statistical_Check_RandParm_For_Radar_Type_6_11_trail	1
12	Statistical_Check_RandParm_For_Radar_Type_6_12_trail	1
13	Statistical_Check_RandParm_For_Radar_Type_6_13_trail	1
14	Statistical_Check_RandParm_For_Radar_Type_6_14_trail	1
15	Statistical_Check_RandParm_For_Radar_Type_6_15_trail	1
16	Statistical_Check_RandParm_For_Radar_Type_6_16_trail	1
17	Statistical_Check_RandParm_For_Radar_Type_6_17_trail	1
18	Statistical_Check_RandParm_For_Radar_Type_6_18_trail	1
19	Statistical_Check_RandParm_For_Radar_Type_6_19_trail	1
20	Statistical_Check_RandParm_For_Radar_Type_6_20_trail	1
21	Statistical_Check_RandParm_For_Radar_Type_6_21_trail	1
22	Statistical_Check_RandParm_For_Radar_Type_6_22_trail	1
23	Statistical_Check_RandParm_For_Radar_Type_6_23_trail	1
24	Statistical_Check_RandParm_For_Radar_Type_6_24_trail	1
25	Statistical_Check_RandParm_For_Radar_Type_6_25_trail	1
26	Statistical_Check_RandParm_For_Radar_Type_6_26_trail	1
27	Statistical_Check_RandParm_For_Radar_Type_6_27_trail	1
28	Statistical_Check_RandParm_For_Radar_Type_6_28_trail	1
29	Statistical_Check_RandParm_For_Radar_Type_6_29_trail	1
30	Statistical_Check_RandParm_For_Radar_Type_6_30_trail	1
Detection Percentage		96.67 % (>70 %)

Mode 1- 802.11a

Total Type 1~4 Radar Statistical Performance

Radar Type	Detection Percentage (%)	Limit (%)	Result
1	96.67	>60%	Pass
2	86.67	>60%	Pass
3	86.67	>60%	Pass
4	86.67	>60%	Pass
Total Type 1~4	89.17	>80%	Pass
5	86.67	>80%	Pass
6	96.67	>70%	Pass

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：DFS 偵測門檻值

檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 27 日 環境濕度：58 %

測試模式：Mode 2: 802.11n-40MHz BW

APEX0365**Type 1**

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	1	878	61	1
2	5497	1	778	68	1
3	5498	1	658	81	1
4	5499	1	3066	18	1
5	5500	1	698	76	1
6	5501	1	858	62	1
7	5502	1	598	89	1
8	5503	0	0	0	1
9	5504	1	798	67	1
10	5505	1	718	74	1
11	5506	1	678	78	1
12	5507	0	0	0	1
13	5508	1	918	58	1
14	5509	1	758	70	1
15	5510	1	518	102	1
16	5511	1	1755	31	1
17	5512	1	2624	21	1
18	5513	1	1776	30	1
19	5514	1	714	74	1
20	5515	1	2825	19	1
21	5516	1	1968	27	1
22	5517	1	1774	30	1
23	5518	1	2066	26	1
24	5519	1	1220	44	1
25	5520	1	2976	18	1
26	5521	1	3007	18	1
27	5522	1	2950	18	1
28	5523	1	1395	38	1
29	5524	1	2804	19	1
30	5525	1	1337	40	1
Detection Percentage					100% (>60%)

Type2

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	1.200000048	166	28	1
2	5497	4.200000286	213	29	1
3	5498	4.300000191	205	29	1
4	5499	1.200000048	230	27	1
5	5500	1.200000048	200	29	1
6	5501	2	205	29	1
7	5502	4.099999905	209	27	1
8	5503	3.700000048	160	23	1
9	5504	4.200000286	229	29	1
10	5505	1.300000072	219	24	1
11	5506	3.5	164	23	1
12	5507	1	172	29	1
13	5508	3.700000048	171	23	1
14	5509	4.300000191	163	26	1
15	5510	2.299999952	174	28	1
16	5511	4.599999905	222	23	0
17	5512	2.400000095	224	29	1
18	5513	1.100000024	197	29	1
19	5514	1.100000024	170	25	1
20	5515	3	157	29	1
21	5516	1.300000072	164	24	1
22	5517	2.299999952	176	26	1
23	5518	2.100000143	208	24	1
24	5519	5	158	25	1
25	5520	2	228	28	1
26	5521	4.5	182	23	1
27	5522	4.099999905	186	24	1
28	5523	2.900000095	176	25	1
29	5524	1.700000048	176	23	1
30	5525	3.5	176	26	1
Detection Percentage					96.67% (>60%)

Type3

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	18.10000038	417	16	1
2	5497	16.5	446	16	1
3	5498	12.30000019	349	16	0
4	5499	11.69999981	360	14	1
5	5500	14.60000038	499	13	1
6	5501	12.10000038	278	14	1
7	5502	19.20000076	269	12	1
8	5503	12.80000019	365	12	1
9	5504	16.10000038	279	16	1
10	5505	12.60000038	417	14	1
11	5506	14.80000019	318	12	1
12	5507	19.60000038	389	14	1
13	5508	18.30000114	270	15	1
14	5509	15.60000038	303	16	1
15	5510	18.89999962	455	14	1
16	5511	15.10000038	326	12	1
17	5512	12.30000019	264	14	1
18	5513	14.40000057	356	14	1
19	5514	17.60000038	347	12	1
20	5515	13.60000038	438	15	1
21	5516	14.5	477	16	1
22	5517	12.40000057	260	14	1
23	5518	15.80000019	298	16	0
24	5519	17.39999962	295	12	1
25	5520	18.70000076	460	16	1
26	5521	14.19999981	288	16	1
27	5522	15.5	331	12	1
28	5523	12.90000057	351	12	1
29	5524	14.19999981	330	13	0
30	5525	11.80000019	303	15	1
Detection Percentage					90.00% (>60%)

Type4

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	14.30000019	348	14	1
2	5497	19.80000114	436	14	1
3	5498	12.80000019	413	16	1
4	5499	18.20000076	473	12	1
5	5500	18.00000000	347	15	1
6	5501	18.39999962	292	13	1
7	5502	19.10000038	457	13	1
8	5503	13.80000019	251	14	1
9	5504	19.20000076	264	13	1
10	5505	13.40000057	304	15	1
11	5506	19.70000076	427	13	1
12	5507	15.50000000	292	15	1
13	5508	18.30000114	485	14	1
14	5509	16.80000114	311	16	1
15	5510	20.00000000	438	14	1
16	5511	19.39999962	494	15	0
17	5512	18.70000076	494	15	1
18	5513	12.90000057	304	15	1
19	5514	19.10000038	483	16	1
20	5515	17.30000114	319	15	0
21	5516	11.50000000	343	13	1
22	5517	13.69999981	370	16	1
23	5518	16.20000076	303	16	1
24	5519	13.80000019	275	12	1
25	5520	11.10000038	361	16	1
26	5521	17.89999962	426	13	1
27	5522	12.80000019	353	16	0
28	5523	19.20000076	335	16	1
29	5524	12.19999981	426	12	1
30	5525	12.50000000	335	14	1
Detection Percentage					90.00% (>60%)

Type5

Trial Number	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency(Ghz)	1=Detection 0=No Detection
0	Type 5	15	0.8	12	5.51	1
1	Type 5	8	1.5	12	5.51	1
2	Type 5	11	1.090909	12	5.51	1
3	Type 5	20	0.6	12	5.51	1
4	Type 5	17	0.705882	12	5.51	1
5	Type 5	14	0.857143	12	5.51	1
6	Type 5	15	0.8	12	5.51	1
7	Type 5	12	1	12	5.51	1
8	Type 5	14	0.857143	12	5.51	1
9	Type 5	8	1.5	12	5.51	1
10	Type 5	17	0.705882	12	5.4964	1
11	Type 5	19	0.631579	12	5.4976	1
12	Type 5	15	0.8	12	5.4952	1
13	Type 5	12	1	12	5.494	1
14	Type 5	19	0.631579	12	5.4972	0
15	Type 5	14	0.857143	12	5.4948	1
16	Type 5	20	0.6	12	5.498	1
17	Type 5	12	1	12	5.494	1
18	Type 5	14	0.857143	12	5.4948	1
19	Type 5	12	1	12	5.494	0
20	Type 5	16	0.75	12	5.524	1
21	Type 5	12	1	12	5.5264	0
22	Type 5	20	0.6	12	5.522	1
23	Type 5	14	0.857143	12	5.5252	0
24	Type 5	13	0.923077	12	5.5256	1
25	Type 5	8	1.5	12	5.528	1
26	Type 5	17	0.705882	12	5.5236	1
27	Type 5	19	0.631579	12	5.5224	1
28	Type 5	12	1	12	5.526	0
29	Type 5	18	0.666667	12	5.5232	1
Detection Percentage						83.33% (>80%)

Type6

Trial Number	File name	1=Detection 0=No Detection
1	Statistical_Check_RandParm_For_Radar_Type_6_1_trail	1
2	Statistical_Check_RandParm_For_Radar_Type_6_2_trail	1
3	Statistical_Check_RandParm_For_Radar_Type_6_3_trail	1
4	Statistical_Check_RandParm_For_Radar_Type_6_4_trail	1
5	Statistical_Check_RandParm_For_Radar_Type_6_5_trail	1
6	Statistical_Check_RandParm_For_Radar_Type_6_6_trail	1
7	Statistical_Check_RandParm_For_Radar_Type_6_7_trail	1
8	Statistical_Check_RandParm_For_Radar_Type_6_8_trail	1
9	Statistical_Check_RandParm_For_Radar_Type_6_9_trail	1
10	Statistical_Check_RandParm_For_Radar_Type_6_10_trail	1
11	Statistical_Check_RandParm_For_Radar_Type_6_11_trail	1
12	Statistical_Check_RandParm_For_Radar_Type_6_12_trail	1
13	Statistical_Check_RandParm_For_Radar_Type_6_13_trail	1
14	Statistical_Check_RandParm_For_Radar_Type_6_14_trail	1
15	Statistical_Check_RandParm_For_Radar_Type_6_15_trail	1
16	Statistical_Check_RandParm_For_Radar_Type_6_16_trail	1
17	Statistical_Check_RandParm_For_Radar_Type_6_17_trail	1
18	Statistical_Check_RandParm_For_Radar_Type_6_18_trail	1
19	Statistical_Check_RandParm_For_Radar_Type_6_19_trail	1
20	Statistical_Check_RandParm_For_Radar_Type_6_20_trail	1
21	Statistical_Check_RandParm_For_Radar_Type_6_21_trail	1
22	Statistical_Check_RandParm_For_Radar_Type_6_22_trail	1
23	Statistical_Check_RandParm_For_Radar_Type_6_23_trail	1
24	Statistical_Check_RandParm_For_Radar_Type_6_24_trail	1
25	Statistical_Check_RandParm_For_Radar_Type_6_25_trail	1
26	Statistical_Check_RandParm_For_Radar_Type_6_26_trail	1
27	Statistical_Check_RandParm_For_Radar_Type_6_27_trail	1
28	Statistical_Check_RandParm_For_Radar_Type_6_28_trail	1
29	Statistical_Check_RandParm_For_Radar_Type_6_29_trail	1
30	Statistical_Check_RandParm_For_Radar_Type_6_30_trail	1
Detection Percentage		100 % (>70 %)

Mode 2- 802.11n-40MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	100	>60%	Pass
2	96.67	>60%	Pass
3	90.00	>60%	Pass
4	90.00	>60%	Pass
Total Type 1~4	94.1675	>80%	Pass
5	83.33	>80%	Pass
6	100	>70%	Pass

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：DFS 偵測門檻值

檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 27 日 環境濕度：58 %

測試模式：Mode 3: 802.11ac-80MHz BW

APEX0365**Type 1**

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	1	838	63	1
2	5517	1	578	92	1
3	5518	1	738	72	1
4	5519	1	658	81	1
5	5520	1	818	65	1
6	5521	1	538	99	1
7	5522	1	598	89	1
8	5523	1	618	86	1
9	5524	1	778	68	1
10	5525	1	938	57	1
11	5526	1	858	62	1
12	5527	1	718	74	1
13	5528	1	878	61	1
14	5529	1	918	58	1
15	5530	1	798	67	1
16	5531	1	1725	31	1
17	5532	1	852	62	1
18	5533	1	2356	23	1
19	5534	1	917	58	1
20	5535	1	962	55	1
21	5536	1	2230	24	1
22	5537	1	2709	20	1
23	5538	1	1403	38	1
24	5539	1	1788	30	1
25	5540	1	1099	49	1
26	5541	1	1822	29	1
27	5542	1	2473	22	1
28	5543	1	1398	38	1
29	5544	1	676	79	1
30	5545	1	1310	41	1
Detection Percentage					100% (>60%)

Type2

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	4.800000191	161	23	1
2	5517	1.5	185	27	1
3	5518	5	177	28	1
4	5519	4.700000286	168	27	1
5	5520	4.200000286	159	24	1
6	5521	1.200000048	182	25	1
7	5522	2.5	174	25	1
8	5523	2.700000048	219	23	1
9	5524	1.200000048	187	26	1
10	5525	1.399999976	174	23	1
11	5526	2.299999952	197	28	1
12	5527	3.799999952	195	26	1
13	5528	4.400000095	223	25	1
14	5529	1	200	25	1
15	5530	1.5	184	24	1
16	5531	3.100000143	179	23	1
17	5532	2.900000095	222	27	1
18	5533	3.600000143	220	28	1
19	5534	3.700000048	210	23	1
20	5535	1.899999976	221	25	1
21	5536	1.600000024	162	27	1
22	5537	1.300000072	199	23	1
23	5538	4.800000191	206	28	1
24	5539	4.700000286	186	25	1
25	5540	1.100000024	169	29	1
26	5541	3.5	159	23	1
27	5542	4.099999905	171	26	1
28	5543	1.600000024	156	25	1
29	5544	4.5	183	25	1
30	5545	3.299999952	196	25	1
Detection Percentage					100% (>60%)

Type3

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	6.200000286	261	16	1
2	5517	9.600000381	368	16	1
3	5518	6.200000286	449	16	1
4	5519	9.699999809	442	18	1
5	5520	8.199999809	313	16	1
6	5521	6.099999905	463	16	1
7	5522	9.600000381	328	17	1
8	5523	7.300000191	467	17	1
9	5524	9.100000381	401	18	1
10	5525	7	486	18	1
11	5526	7.800000191	332	17	1
12	5527	7.099999905	345	16	1
13	5528	7.099999905	318	18	1
14	5529	6.599999905	341	18	1
15	5530	6	265	17	1
16	5531	6.599999905	350	16	1
17	5532	6.900000095	493	18	1
18	5533	7.400000095	284	16	1
19	5534	6.300000191	445	17	1
20	5535	6.400000095	385	17	1
21	5536	9.5	427	17	1
22	5537	7.5	386	16	1
23	5538	9.100000381	438	16	1
24	5539	7.800000191	319	18	1
25	5540	6.900000095	315	18	1
26	5541	6.200000286	267	18	1
27	5542	8.300000191	308	18	1
28	5543	7.900000095	262	17	1
29	5544	6.900000095	460	16	1
30	5545	6.200000286	469	18	1
Detection Percentage					100% (>60%)

Type4

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	11.60000038	467	13	1
2	5517	19.20000076	459	12	1
3	5518	17.39999962	275	16	1
4	5519	12.19999981	356	16	1
5	5520	17.30000114	433	16	1
6	5521	14.80000019	320	14	1
7	5522	13	397	12	1
8	5523	18.60000038	337	15	
9	5524	18.89999962	470	13	1
10	5525	19.10000038	412	16	1
11	5526	17.39999962	362	13	1
12	5527	15.5	412	15	1
13	5528	18.20000076	408	13	1
14	5529	16.70000076	259	15	1
15	5530	12.19999981	325	15	1
16	5531	11.69999981	391	16	1
17	5532	13.90000057	419	14	1
18	5533	15.30000019	264	15	1
19	5534	14.90000057	448	15	1
20	5535	19.10000038	342	14	1
21	5536	19.5	356	13	1
22	5537	19.60000038	431	13	1
23	5538	17.89999962	332	13	1
24	5539	18.89999962	461	14	1
25	5540	11.30000019	395	13	1
26	5541	13.80000019	445	13	1
27	5542	19.5	342	13	1
28	5543	19.89999962	497	14	1
29	5544	12.30000019	439	16	1
30	5545	17.60000038	428	16	1
Detection Percentage					96.67% (>60%)

Type5

Trial Number	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency(Ghz)	1=Detection 0=No Detection
0	Type 5	15	0.8	12	5.53	1
1	Type 5	8	1.5	12	5.53	1
2	Type 5	11	1.090909	12	5.53	1
3	Type 5	20	0.6	12	5.53	1
4	Type 5	17	0.705882	12	5.53	1
5	Type 5	14	0.857143	12	5.53	1
6	Type 5	15	0.8	12	5.53	1
7	Type 5	12	1	12	5.53	1
8	Type 5	14	0.857143	12	5.53	1
9	Type 5	8	1.5	12	5.53	1
10	Type 5	17	0.705882	12	5.4964	1
11	Type 5	19	0.631579	12	5.4976	1
12	Type 5	15	0.8	12	5.4952	1
13	Type 5	12	1	12	5.494	1
14	Type 5	19	0.631579	12	5.4972	
15	Type 5	14	0.857143	12	5.4948	1
16	Type 5	20	0.6	12	5.498	1
17	Type 5	12	1	12	5.494	1
18	Type 5	14	0.857143	12	5.4948	1
19	Type 5	12	1	12	5.494	
20	Type 5	16	0.75	12	5.564	1
21	Type 5	12	1	12	5.5664	1
22	Type 5	20	0.6	12	5.562	1
23	Type 5	14	0.857143	12	5.5652	
24	Type 5	13	0.923077	12	5.5656	1
25	Type 5	8	1.5	12	5.568	1
26	Type 5	17	0.705882	12	5.5636	
27	Type 5	19	0.631579	12	5.5624	1
28	Type 5	12	1	12	5.566	1
29	Type 5	18	0.666667	12	5.5632	1
Detection Percentage						86.67% (>80%)

Type6

Trial Number	File name	1=Detection 0=No Detection
1	Statistical_Check_RandParm_For_Radar_Type_6_1_trail	1
2	Statistical_Check_RandParm_For_Radar_Type_6_2_trail	1
3	Statistical_Check_RandParm_For_Radar_Type_6_3_trail	1
4	Statistical_Check_RandParm_For_Radar_Type_6_4_trail	1
5	Statistical_Check_RandParm_For_Radar_Type_6_5_trail	1
6	Statistical_Check_RandParm_For_Radar_Type_6_6_trail	1
7	Statistical_Check_RandParm_For_Radar_Type_6_7_trail	1
8	Statistical_Check_RandParm_For_Radar_Type_6_8_trail	1
9	Statistical_Check_RandParm_For_Radar_Type_6_9_trail	1
10	Statistical_Check_RandParm_For_Radar_Type_6_10_trail	1
11	Statistical_Check_RandParm_For_Radar_Type_6_11_trail	1
12	Statistical_Check_RandParm_For_Radar_Type_6_12_trail	1
13	Statistical_Check_RandParm_For_Radar_Type_6_13_trail	1
14	Statistical_Check_RandParm_For_Radar_Type_6_14_trail	1
15	Statistical_Check_RandParm_For_Radar_Type_6_15_trail	1
16	Statistical_Check_RandParm_For_Radar_Type_6_16_trail	1
17	Statistical_Check_RandParm_For_Radar_Type_6_17_trail	1
18	Statistical_Check_RandParm_For_Radar_Type_6_18_trail	1
19	Statistical_Check_RandParm_For_Radar_Type_6_19_trail	1
20	Statistical_Check_RandParm_For_Radar_Type_6_20_trail	1
21	Statistical_Check_RandParm_For_Radar_Type_6_21_trail	1
22	Statistical_Check_RandParm_For_Radar_Type_6_22_trail	1
23	Statistical_Check_RandParm_For_Radar_Type_6_23_trail	1
24	Statistical_Check_RandParm_For_Radar_Type_6_24_trail	1
25	Statistical_Check_RandParm_For_Radar_Type_6_25_trail	1
26	Statistical_Check_RandParm_For_Radar_Type_6_26_trail	1
27	Statistical_Check_RandParm_For_Radar_Type_6_27_trail	1
28	Statistical_Check_RandParm_For_Radar_Type_6_28_trail	1
29	Statistical_Check_RandParm_For_Radar_Type_6_29_trail	1
30	Statistical_Check_RandParm_For_Radar_Type_6_30_trail	1
Detection Percentage		100 % (>70 %)

Mode 3- 802.11ac-80MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	100	>60%	Pass
2	100	>60%	Pass
3	100	>60%	Pass
4	96.67	>60%	Pass
Total Type 1~4	99.1675	>80%	Pass
5	86.67	>80%	Pass
6	100	>70%	Pass

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367

測試項目：DFS 偵測門檻值

檢測器：峰值

環境溫度：26 °C

測試日期：106 年 05 月 27 日

環境濕度：58 %

測試模式：Mode 1: 802.11a

APEX0367**Type 1**

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	1	918	58	1
2	5505	1	578	92	1
3	5506	1	818	65	1
4	5507	1	558	95	1
5	5508	1	678	78	1
6	5509	1	598	89	1
7	5508	1	518	102	1
8	5507	1	738	72	1
9	5506	1	538	99	1
10	5505	1	778	68	1
11	5504	1	858	62	1
12	5503	1	658	81	1
13	5502	1	898	59	1
14	5501	1	758	70	1
15	5500	1	938	57	1
16	5499	1	710	75	1
17	5498	1	1843	29	0
18	5497	1	1520	35	1
19	5496	1	1400	38	1
20	5495	1	2464	22	1
21	5494	1	548	97	1
22	5493	1	1045	51	1
23	5492	1	896	59	1
24	5491	1	2906	19	0
25	5500	1	2179	25	1
26	5501	1	1038	51	1
27	5502	1	2592	21	1
28	5503	1	930	57	1
29	5504	1	2502	22	1
30	5505	1	2116	25	1
Detection Percentage					93.33%(>60%)

Type2

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	3.400000095	199	24	1
2	5505	3	156	23	1
3	5506	1.899999976	184	27	1
4	5507	2.799999952	155	23	1
5	5508	3.100000143	193	24	1
6	5509	2.100000143	197	28	1
7	5508	2.400000095	159	23	1
8	5507	4.300000191	156	25	1
9	5506	3.5	158	26	1
10	5505	2.900000095	192	24	1
11	5504	3.900000095	203	25	1
12	5503	3.700000048	193	27	1
13	5502	2.299999952	179	26	1
14	5501	3	207	28	1
15	5500	3.700000048	207	29	1
16	5499	1.100000024	200	29	1
17	5498	1	158	27	1
18	5497	4.5	179	27	1
19	5496	1.600000024	156	23	1
20	5495	1.300000072	201	25	0
21	5494	4.700000286	192	27	1
22	5493	1.5	163	29	1
23	5492	4.5	164	29	1
24	5491	1.399999976	171	23	1
25	5500	3.5	170	27	1
26	5501	1.899999976	158	24	1
27	5502	4.800000191	189	24	1
28	5503	1.300000072	161	28	1
29	5504	1.800000072	223	23	1
30	5505	3.600000143	182	26	1
Detection Percentage					96.67%>(60%)

Type3

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	7.900000095	372	16	1
2	5505	6.599999905	379	17	1
3	5506	6.200000286	354	16	1
4	5507	7.5	395	18	1
5	5508	7.400000095	395	16	1
6	5509	8.800000191	399	16	1
7	5508	8.400000572	284	16	1
8	5507	6.400000095	475	17	1
9	5506	8.5	487	17	1
10	5505	6.099999905	284	17	1
11	5504	8.199999809	495	16	1
12	5503	6	312	18	1
13	5502	8.5	427	17	1
14	5501	9.800000191	290	16	1
15	5500	9.5	274	17	1
16	5499	9.900000572	378	17	1
17	5498	7.700000286	339	16	1
18	5497	7	301	18	1
19	5496	7.900000095	464	18	1
20	5495	8.900000572	477	16	1
21	5494	6.599999905	328	17	1
22	5493	7.700000286	489	17	1
23	5492	7.900000095	393	17	1
24	5491	9.800000191	474	18	1
25	5500	9.199999809	468	16	1
26	5501	9.400000572	456	16	0
27	5502	6.400000095	459	18	1
28	5503	6.700000286	306	17	0
29	5504	9.600000381	325	17	1
30	5505	8.300000191	409	17	1
Detection Percentage					93.33%>(60%)

Type4

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5500	18.70000076	420	16	1
2	5505	12.60000038	388	14	1
3	5506	18.80000114	369	14	1
4	5507	17.39999962	353	13	1
5	5508	14	334	14	1
6	5509	14.19999981	364	12	0
7	5508	15.40000057	431	12	1
8	5507	16	368	12	1
9	5506	12.60000038	364	16	1
10	5505	17.89999962	484	13	1
11	5504	19.39999962	404	15	1
12	5503	13	392	13	1
13	5502	14.19999981	411	16	1
14	5501	15	486	16	1
15	5500	15.69999981	467	14	1
16	5499	14.80000019	284	15	1
17	5498	18.60000038	438	15	1
18	5497	16.10000038	467	16	1
19	5496	18.10000038	282	13	1
20	5495	15.69999981	397	12	1
21	5494	14.5	308	15	1
22	5493	13.40000057	299	14	1
23	5492	12.5	427	12	1
24	5491	11.69999981	251	14	1
25	5500	17.39999962	400	16	1
26	5501	13.60000038	363	13	1
27	5502	18.20000076	359	16	1
28	5503	19	349	15	1
29	5504	12.60000038	300	15	1
30	5505	17.10000038	331	13	1
Detection Percentage					96.67%>(60%)

Type5

Trial Number	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency(Ghz)	1=Detection 0=No Detection
0	Type 5	15	0.8000000	12.0000000	5.500000000	1
1	Type 5	8	1.5000000	12.0000000	5.500000000	1
2	Type 5	11	1.0909091	12.0000000	5.500000000	1
3	Type 5	20	0.6000000	12.0000000	5.500000000	1
4	Type 5	17	0.7058824	12.0000000	5.500000000	1
5	Type 5	14	0.8571429	12.0000000	5.500000000	1
6	Type 5	15	0.8000000	12.0000000	5.500000000	1
7	Type 5	12	1.0000000	12.0000000	5.500000000	1
8	Type 5	14	0.8571429	12.0000000	5.500000000	1
9	Type 5	8	1.5000000	12.0000000	5.500000000	1
10	Type 5	17	0.7058824	12.0000000	5.503900000	0
11	Type 5	19	0.6315789	12.0000000	5.505100000	1
12	Type 5	15	0.8000000	12.0000000	5.502700000	1
13	Type 5	12	1.0000000	12.0000000	5.501500000	1
14	Type 5	19	0.6315789	12.0000000	5.504700000	1
15	Type 5	14	0.8571429	12.0000000	5.502300000	1
16	Type 5	20	0.6000000	12.0000000	5.505500000	1
17	Type 5	12	1.0000000	12.0000000	5.501500000	1
18	Type 5	14	0.8571429	12.0000000	5.502300000	1
19	Type 5	12	1.0000000	12.0000000	5.501500000	1
20	Type 5	16	0.7500000	12.0000000	5.496500000	0
21	Type 5	12	1.0000000	12.0000000	5.498900000	1
22	Type 5	20	0.6000000	12.0000000	5.494500000	1
23	Type 5	14	0.8571429	12.0000000	5.497700000	1
24	Type 5	13	0.9230769	12.0000000	5.498100000	1
25	Type 5	8	1.5000000	12.0000000	5.500500000	1
26	Type 5	17	0.7058824	12.0000000	5.496100000	1
27	Type 5	19	0.6315789	12.0000000	5.494900000	1
28	Type 5	12	1.0000000	12.0000000	5.498500000	1
29	Type 5	18	0.6666667	12.0000000	5.495700000	1
Detection Percentage						93.33% (>80%)

Type6

Trial Number	File name	1=Detection 0=No Detection
1	Statistical_Check_RandParm_For_Radar_Type_6_1_trail	1
2	Statistical_Check_RandParm_For_Radar_Type_6_2_trail	1
3	Statistical_Check_RandParm_For_Radar_Type_6_3_trail	1
4	Statistical_Check_RandParm_For_Radar_Type_6_4_trail	1
5	Statistical_Check_RandParm_For_Radar_Type_6_5_trail	1
6	Statistical_Check_RandParm_For_Radar_Type_6_6_trail	1
7	Statistical_Check_RandParm_For_Radar_Type_6_7_trail	1
8	Statistical_Check_RandParm_For_Radar_Type_6_8_trail	1
9	Statistical_Check_RandParm_For_Radar_Type_6_9_trail	1
10	Statistical_Check_RandParm_For_Radar_Type_6_10_trail	1
11	Statistical_Check_RandParm_For_Radar_Type_6_11_trail	0
12	Statistical_Check_RandParm_For_Radar_Type_6_12_trail	1
13	Statistical_Check_RandParm_For_Radar_Type_6_13_trail	1
14	Statistical_Check_RandParm_For_Radar_Type_6_14_trail	1
15	Statistical_Check_RandParm_For_Radar_Type_6_15_trail	1
16	Statistical_Check_RandParm_For_Radar_Type_6_16_trail	1
17	Statistical_Check_RandParm_For_Radar_Type_6_17_trail	1
18	Statistical_Check_RandParm_For_Radar_Type_6_18_trail	1
19	Statistical_Check_RandParm_For_Radar_Type_6_19_trail	0
20	Statistical_Check_RandParm_For_Radar_Type_6_20_trail	1
21	Statistical_Check_RandParm_For_Radar_Type_6_21_trail	1
22	Statistical_Check_RandParm_For_Radar_Type_6_22_trail	1
23	Statistical_Check_RandParm_For_Radar_Type_6_23_trail	1
24	Statistical_Check_RandParm_For_Radar_Type_6_24_trail	1
25	Statistical_Check_RandParm_For_Radar_Type_6_25_trail	1
26	Statistical_Check_RandParm_For_Radar_Type_6_26_trail	1
27	Statistical_Check_RandParm_For_Radar_Type_6_27_trail	1
28	Statistical_Check_RandParm_For_Radar_Type_6_28_trail	1
29	Statistical_Check_RandParm_For_Radar_Type_6_29_trail	1
30	Statistical_Check_RandParm_For_Radar_Type_6_30_trail	1
Detection Percentage		93.33%>(70%)

Mode 1- 802.11a

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	93.33	>60%	Pass
2	96.67	>60%	Pass
3	93.33	>60%	Pass
4	96.67	>60%	Pass
Total Type 1~4	95	>80%	Pass
5	93.33	>80%	Pass
6	93.33	>70%	Pass

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：DFS 偵測門檻值

檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 27 日 環境濕度：58 %

測試模式：Mode 2: 802.11n-40MHz BW

APEX0367**Type 1**

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	1	838	63	1
2	5497	1	538	99	1
3	5498	1	798	67	1
4	5499	1	598	89	1
5	5500	1	738	72	1
6	5501	1	858	62	1
7	5502	1	698	76	1
8	5503	1	558	95	1
9	5504	1	718	74	1
10	5505	1	578	92	1
11	5506	1	638	83	1
12	5507	1	678	78	1
13	5508	1	758	70	1
14	5509	1	658	81	1
15	5510	1	878	61	1
16	5511	1	1257	42	1
17	5512	1	781	68	1
18	5513	1	2097	26	1
19	5514	1	1405	38	1
20	5515	1	829	64	1
21	5516	1	651	82	1
22	5517	1	1527	35	1
23	5518	1	2395	23	1
24	5519	1	1691	32	1
25	5520	1	2578	21	1
26	5521	1	1889	28	1

27	5522	1	1696	32	1
28	5523	1	2915	19	1
29	5524	1	1022	52	1
30	5525	1	2769	20	1
Detection Percentage					100% (>60%)

Type2

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	1.5	192	23	1
2	5497	1.899999976	228	26	1
3	5498	3.100000143	162	24	1
4	5499	4.800000191	168	26	1
5	5500	1.100000024	223	25	1
6	5501	2.900000095	198	25	1
7	5502	4.400000095	228	23	1
8	5503	1.899999976	191	29	1
9	5504	3.799999952	156	24	1
10	5505	1.200000048	158	28	1
11	5506	1.200000048	189	28	1
12	5507	3.299999952	184	23	1
13	5508	4.400000095	216	24	1
14	5509	2	159	27	1
15	5510	3.900000095	189	26	1
16	5511	3.600000143	165	27	1
17	5512	3.5	164	27	1
18	5513	4.200000286	162	24	1
19	5514	3.799999952	164	26	1
20	5515	4.599999905	230	24	1
21	5516	3.100000143	167	24	1
22	5517	4.900000095	161	29	1
23	5518	1.5	188	23	1
24	5519	2.900000095	155	24	1
25	5520	3.900000095	167	24	1
26	5521	2.600000143	228	28	1
27	5522	3.200000048	152	28	0
28	5523	4.599999905	196	23	1
29	5524	4	172	25	1
30	5525	3.900000095	213	29	1
Detection Percentage					96.67% (>60%)

Type3

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	8.400000572	457	16	1
2	5497	8	303	17	1
3	5498	6.900000095	316	18	1
4	5499	9	384	18	1
5	5500	6.5	458	16	1
6	5501	9.800000191	491	18	1
7	5502	7	421	18	1
8	5503	6.099999905	310	17	1
9	5504	7	470	17	1
10	5505	9.300000191	326	18	1
11	5506	7.300000191	260	16	1
12	5507	8.900000572	374	17	1
13	5508	7.599999905	303	18	1
14	5509	6.200000286	302	18	1
15	5510	8.699999809	385	18	1
16	5511	7.200000286	495	18	1
17	5512	8.300000191	428	18	1
18	5513	6.5	493	17	1
19	5514	8.699999809	331	18	1
20	5515	8.800000191	481	17	1
21	5516	6.900000095	468	18	1
22	5517	10	279	17	1
23	5518	9.900000572	384	17	1
24	5519	9.699999809	483	17	1
25	5520	8.199999809	250	18	1
26	5521	9.5	258	18	1
27	5522	6.900000095	344	18	1
28	5523	6.800000191	372	18	1
29	5524	9.900000572	294	18	1
30	5525	7.700000286	498	18	1
Detection Percentage					100% (>60%)

Type4

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5496	13	305	13	1
2	5497	15	315	16	1
3	5498	13.40000057	407	13	0
4	5499	15.90000057	425	15	1
5	5500	17.30000114	344	15	1
6	5501	14	467	16	1
7	5502	12.69999981	470	13	1
8	5503	15.80000019	465	14	1
9	5504	18.10000038	488	12	1
10	5505	15.60000038	423	12	1
11	5506	12.40000057	338	15	1
12	5507	18.70000076	320	14	1
13	5508	18.30000114	262	12	1
14	5509	16.60000038	375	12	1
15	5510	16.70000076	433	16	1
16	5511	11.5	476	15	1
17	5512	18.10000038	418	13	1
18	5513	14.40000057	348	15	1
19	5514	13.69999981	440	14	1
20	5515	17.39999962	384	15	1
21	5516	13.30000019	461	15	1
22	5517	15.5	434	13	1
23	5518	12.90000057	266	13	1
24	5519	13.19999981	344	14	1
25	5520	11.40000057	270	16	1
26	5521	15.90000057	294	16	1
27	5522	15.69999981	342	13	1
28	5523	12.60000038	446	14	1
29	5524	16.70000076	258	15	1
30	5525	17	363	12	0
Detection Percentage					93.33% (>60%)

Type5

Trial Number	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency(Ghz)	1=Detection 0=No Detection
0	Type 5	15	0.8	12	5.51	1
1	Type 5	8	1.5	12	5.51	1
2	Type 5	11	1.090909	12	5.51	1
3	Type 5	20	0.6	12	5.51	1
4	Type 5	17	0.705882	12	5.51	1
5	Type 5	14	0.857143	12	5.51	1
6	Type 5	15	0.8	12	5.51	1
7	Type 5	12	1	12	5.51	1
8	Type 5	14	0.857143	12	5.51	1
9	Type 5	8	1.5	12	5.51	1
10	Type 5	17	0.705882	12	5.4964	1
11	Type 5	19	0.631579	12	5.4976	0
12	Type 5	15	0.8	12	5.4952	1
13	Type 5	12	1	12	5.494	1
14	Type 5	19	0.631579	12	5.4972	0
15	Type 5	14	0.857143	12	5.4948	1
16	Type 5	20	0.6	12	5.498	1
17	Type 5	12	1	12	5.494	1
18	Type 5	14	0.857143	12	5.4948	1
19	Type 5	12	1	12	5.494	1
20	Type 5	16	0.75	12	5.524	1
21	Type 5	12	1	12	5.5264	1
22	Type 5	20	0.6	12	5.522	1
23	Type 5	14	0.857143	12	5.5252	0
24	Type 5	13	0.923077	12	5.5256	1
25	Type 5	8	1.5	12	5.528	1
26	Type 5	17	0.705882	12	5.5236	1
27	Type 5	19	0.631579	12	5.5224	1
28	Type 5	12	1	12	5.526	0
29	Type 5	18	0.666667	12	5.5232	1
Detection Percentage						86.67% (>80%)

Type6

Trial Number	File name	1=Detection 0=No Detection
1	Statistical_Check_RandParm_For_Radar_Type_6_1_trail	1
2	Statistical_Check_RandParm_For_Radar_Type_6_2_trail	1
3	Statistical_Check_RandParm_For_Radar_Type_6_3_trail	1
4	Statistical_Check_RandParm_For_Radar_Type_6_4_trail	1
5	Statistical_Check_RandParm_For_Radar_Type_6_5_trail	1
6	Statistical_Check_RandParm_For_Radar_Type_6_6_trail	1
7	Statistical_Check_RandParm_For_Radar_Type_6_7_trail	1
8	Statistical_Check_RandParm_For_Radar_Type_6_8_trail	1
9	Statistical_Check_RandParm_For_Radar_Type_6_9_trail	1
10	Statistical_Check_RandParm_For_Radar_Type_6_10_trail	1
11	Statistical_Check_RandParm_For_Radar_Type_6_11_trail	1
12	Statistical_Check_RandParm_For_Radar_Type_6_12_trail	1
13	Statistical_Check_RandParm_For_Radar_Type_6_13_trail	1
14	Statistical_Check_RandParm_For_Radar_Type_6_14_trail	1
15	Statistical_Check_RandParm_For_Radar_Type_6_15_trail	1
16	Statistical_Check_RandParm_For_Radar_Type_6_16_trail	1
17	Statistical_Check_RandParm_For_Radar_Type_6_17_trail	1
18	Statistical_Check_RandParm_For_Radar_Type_6_18_trail	1
19	Statistical_Check_RandParm_For_Radar_Type_6_19_trail	1
20	Statistical_Check_RandParm_For_Radar_Type_6_20_trail	1
21	Statistical_Check_RandParm_For_Radar_Type_6_21_trail	1
22	Statistical_Check_RandParm_For_Radar_Type_6_22_trail	1
23	Statistical_Check_RandParm_For_Radar_Type_6_23_trail	1
24	Statistical_Check_RandParm_For_Radar_Type_6_24_trail	1
25	Statistical_Check_RandParm_For_Radar_Type_6_25_trail	1
26	Statistical_Check_RandParm_For_Radar_Type_6_26_trail	1
27	Statistical_Check_RandParm_For_Radar_Type_6_27_trail	1
28	Statistical_Check_RandParm_For_Radar_Type_6_28_trail	1
29	Statistical_Check_RandParm_For_Radar_Type_6_29_trail	1
30	Statistical_Check_RandParm_For_Radar_Type_6_30_trail	1
Detection Percentage		100 % (>70 %)

Mode 2- 802.11n-40MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	100	>60%	Pass
2	96.67	>60%	Pass
3	100	>60%	Pass
4	93.33	>60%	Pass
Total Type 1~4	97.5	>80%	Pass
5	86.67	>80%	Pass
6	100	>70%	Pass

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：DFS 偵測門檻值

檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 27 日 環境濕度：58 %

測試模式：Mode 3: 802.11ac-80MHz BW

APEX0367**Type 1**

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	1	598	89	1
2	5517	1	538	99	1
3	5518	1	858	62	1
4	5519	1	778	68	1
5	5520	1	718	74	1
6	5521	1	758	70	1
7	5522	1	658	81	1
8	5523	1	818	65	1
9	5524	1	918	58	1
10	5525	1	878	61	1
11	5526	1	678	78	1
12	5527	1	898	59	1
13	5528	1	3066	18	1
14	5529	1	938	57	1
15	5530	1	618	86	1
16	5531	1	847	63	1
17	5532	1	889	60	1
18	5533	1	2035	26	1
19	5534	1	1020	52	1
20	5535	1	2384	23	1
21	5536	1	1996	27	1
22	5537	1	2327	23	1
23	5538	1	1321	40	1
24	5539	1	2593	21	1
25	5540	1	2105	26	1
26	5541	1	671	79	1
27	5542	1	2824	19	1

28	5543	1	710	75	1
29	5544	1	1779	30	1
30	5545	1	2523	21	1
Detection Percentage					100% (>60%)

Type2

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	1.399999976	189	28	1
2	5517	3.799999952	155	27	1
3	5518	4.900000095	199	23	1
4	5519	2.600000143	207	28	1
5	5520	4.400000095	155	25	1
6	5521	2.799999952	208	28	1
7	5522	2.200000048	203	26	1
8	5523	2.5	209	28	1
9	5524	3.200000048	159	26	1
10	5525	1.300000072	225	26	1
11	5526	1.800000072	190	23	1
12	5527	1.800000072	198	28	1
13	5528	3.200000048	215	23	1
14	5529	2	197	27	1
15	5530	1.100000024	220	24	1
16	5531	2.400000095	219	27	1
17	5532	2	152	23	1
18	5533	2.700000048	160	28	1
19	5534	3.400000095	197	25	1
20	5535	4.800000191	201	25	1
21	5536	3.700000048	170	28	1
22	5537	1.200000048	176	27	1
23	5538	4.599999905	189	25	1
24	5539	2.299999952	157	29	1
25	5540	2.400000095	185	24	1
26	5541	1	174	29	1
27	5542	1.600000024	224	29	1
28	5543	3.200000048	223	29	1
29	5544	2.799999952	220	26	1
30	5545	3.799999952	169	29	1
Detection Percentage					100% (>60%)

Type3

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	6.5	362	17	1
2	5517	7	474	16	1
3	5518	9.699999809	282	16	1
4	5519	6.599999905	262	17	0
5	5520	9.199999809	420	18	1
6	5521	8.699999809	497	17	1
7	5522	6	252	18	1
8	5523	7.400000095	315	16	1
9	5524	7.900000095	313	16	1
10	5525	9.400000572	477	16	1
11	5526	6.800000191	411	16	1
12	5527	8.800000191	307	16	1
13	5528	9.300000191	334	17	1
14	5529	9.400000572	401	18	1
15	5530	6.400000095	500	18	1
16	5531	7.800000191	466	16	1
17	5532	7.300000191	355	18	1
18	5533	8.699999809	297	17	1
19	5534	7.200000286	300	17	1
20	5535	6	320	16	1
21	5536	6.599999905	295	17	1
22	5537	7.599999905	395	16	1
23	5538	8.800000191	424	18	1
24	5539	9.5	414	16	1
25	5540	6.599999905	432	16	1
26	5541	7.400000095	280	17	1
27	5542	9.699999809	368	18	1
28	5543	9.800000191	475	18	1
29	5544	8.199999809	308	17	1
30	5545	9.5	400	17	1
Detection Percentage					96.67%>(60%)

Type4

Trial Number	Freq(MHz)	Pulse Width (us)	PRI (us)	Pulses/Burst	1=Detection 0=No Detection
1	5516	13.40000057	268	14	1
2	5517	12.5	445	14	1
3	5518	13.60000038	266	13	1
4	5519	11.30000019	423	15	1
5	5520	15	391	12	1
6	5521	15.80000019	419	12	1
7	5522	11.19999981	418	15	1
8	5523	11.90000057	265	15	1
9	5524	14.69999981	454	15	1
10	5525	18.70000076	432	15	1
11	5526	14.30000019	411	14	1
12	5527	17	379	15	1
13	5528	15.40000057	324	15	1
14	5529	17	254	14	1
15	5530	16.89999962	425	13	1
16	5531	16.39999962	293	12	1
17	5532	17.70000076	400	14	1
18	5533	18.5	484	13	1
19	5534	14	384	16	1
20	5535	14.80000019	431	12	1
21	5536	18	279	16	1
22	5537	17.10000038	260	15	1
23	5538	15.60000038	292	13	1
24	5539	16.80000114	332	12	0
25	5540	17.39999962	495	12	1
26	5541	11.10000038	301	14	1
27	5542	13.90000057	474	13	1
28	5543	12.10000038	375	14	1
29	5544	11.60000038	476	16	1
30	5545	11.10000038	316	16	1
Detection Percentage					96.67% (>60%)

Type5

Trial Number	Radar Type	Number of Bursts	Burst Period(s)	Waveform Length(s)	Center Frequency(Ghz)	1=Detection 0=No Detection
0	Type 5	15	0.8	12	5.53	1
1	Type 5	8	1.5	12	5.53	1
2	Type 5	11	1.090909	12	5.53	1
3	Type 5	20	0.6	12	5.53	1
4	Type 5	17	0.705882	12	5.53	1
5	Type 5	14	0.857143	12	5.53	1
6	Type 5	15	0.8	12	5.53	1
7	Type 5	12	1	12	5.53	1
8	Type 5	14	0.857143	12	5.53	1
9	Type 5	8	1.5	12	5.53	1
10	Type 5	17	0.705882	12	5.4964	1
11	Type 5	19	0.631579	12	5.4976	1
12	Type 5	15	0.8	12	5.4952	1
13	Type 5	12	1	12	5.494	1
14	Type 5	19	0.631579	12	5.4972	1
15	Type 5	14	0.857143	12	5.4948	1
16	Type 5	20	0.6	12	5.498	0
17	Type 5	12	1	12	5.494	1
18	Type 5	14	0.857143	12	5.4948	0
19	Type 5	12	1	12	5.494	1
20	Type 5	16	0.75	12	5.564	0
21	Type 5	12	1	12	5.5664	1
22	Type 5	20	0.6	12	5.562	1
23	Type 5	14	0.857143	12	5.5652	1
24	Type 5	13	0.923077	12	5.5656	0
25	Type 5	8	1.5	12	5.568	1
26	Type 5	17	0.705882	12	5.5636	0
27	Type 5	19	0.631579	12	5.5624	1
28	Type 5	12	1	12	5.566	1
29	Type 5	18	0.666667	12	5.5632	1
Detection Percentage						83.33% (>80%)

Type6

Trial Number	File name	1=Detection Blank=No Detection
1	Statistical_Check_RandParm_For_Radar_Type_6_1_trail	1
2	Statistical_Check_RandParm_For_Radar_Type_6_2_trail	1
3	Statistical_Check_RandParm_For_Radar_Type_6_3_trail	1
4	Statistical_Check_RandParm_For_Radar_Type_6_4_trail	1
5	Statistical_Check_RandParm_For_Radar_Type_6_5_trail	1
6	Statistical_Check_RandParm_For_Radar_Type_6_6_trail	1
7	Statistical_Check_RandParm_For_Radar_Type_6_7_trail	1
8	Statistical_Check_RandParm_For_Radar_Type_6_8_trail	1
9	Statistical_Check_RandParm_For_Radar_Type_6_9_trail	1
10	Statistical_Check_RandParm_For_Radar_Type_6_10_trail	1
11	Statistical_Check_RandParm_For_Radar_Type_6_11_trail	1
12	Statistical_Check_RandParm_For_Radar_Type_6_12_trail	1
13	Statistical_Check_RandParm_For_Radar_Type_6_13_trail	1
14	Statistical_Check_RandParm_For_Radar_Type_6_14_trail	1
15	Statistical_Check_RandParm_For_Radar_Type_6_15_trail	1
16	Statistical_Check_RandParm_For_Radar_Type_6_16_trail	1
17	Statistical_Check_RandParm_For_Radar_Type_6_17_trail	1
18	Statistical_Check_RandParm_For_Radar_Type_6_18_trail	1
19	Statistical_Check_RandParm_For_Radar_Type_6_19_trail	1
20	Statistical_Check_RandParm_For_Radar_Type_6_20_trail	1
21	Statistical_Check_RandParm_For_Radar_Type_6_21_trail	1
22	Statistical_Check_RandParm_For_Radar_Type_6_22_trail	1
23	Statistical_Check_RandParm_For_Radar_Type_6_23_trail	1
24	Statistical_Check_RandParm_For_Radar_Type_6_24_trail	1
25	Statistical_Check_RandParm_For_Radar_Type_6_25_trail	1
26	Statistical_Check_RandParm_For_Radar_Type_6_26_trail	1
27	Statistical_Check_RandParm_For_Radar_Type_6_27_trail	1
28	Statistical_Check_RandParm_For_Radar_Type_6_28_trail	1
29	Statistical_Check_RandParm_For_Radar_Type_6_29_trail	1
30	Statistical_Check_RandParm_For_Radar_Type_6_30_trail	1
Detection Percentage		100 % (>70 %)

Mode 3- 802.11ac-80MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	100	>60%	Pass
2	100	>60%	Pass
3	96.67	>60%	Pass
4	96.67	>60%	Pass
Total Type 1~4	98.335	>80%	Pass
5	83.33	>80%	Pass
6	100	>70%	Pass

3.9. 頻道可用性檢查時間量測結果

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367

測試項目：Initial Channel Availability Check Time

檢 測 器：峰值

環境溫度：26 °C

測試日期：106 年 04 月 29 日

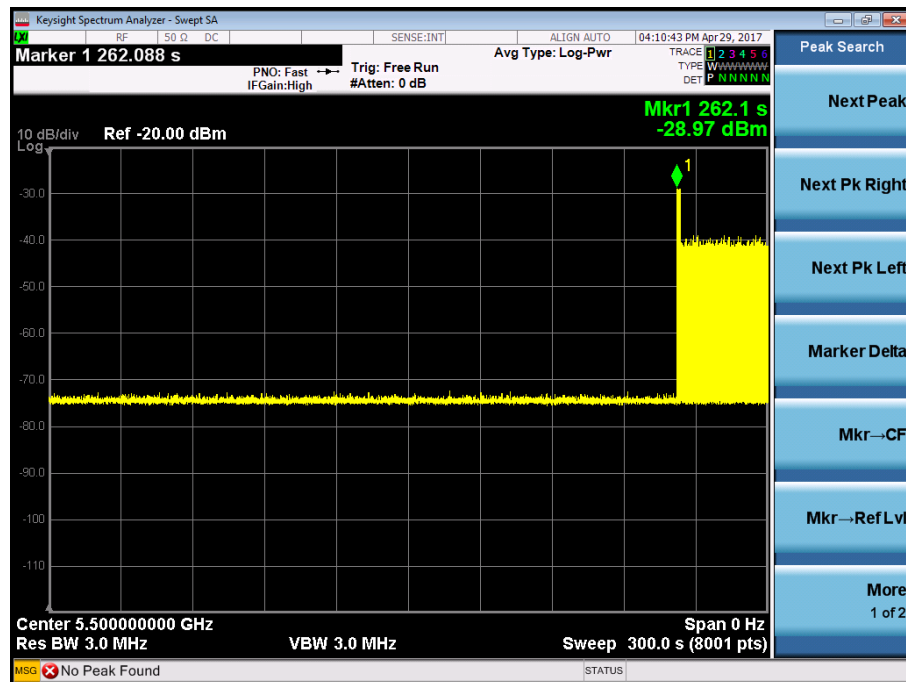
環境濕度：58 %

測試模式：Mode 1: 802.11a (ETH6)

The EUT does not transmit any beacon or data transmission until at least 1 minute after the completion of the power-on cycle (202.1sec). The initial power up time of the EUT is indicated by Marker 1 (262.1 sec) – CAC (60 sec). Initial beacons/data transmission is indicated by Marker 1(262.1 sec)

APEX0365

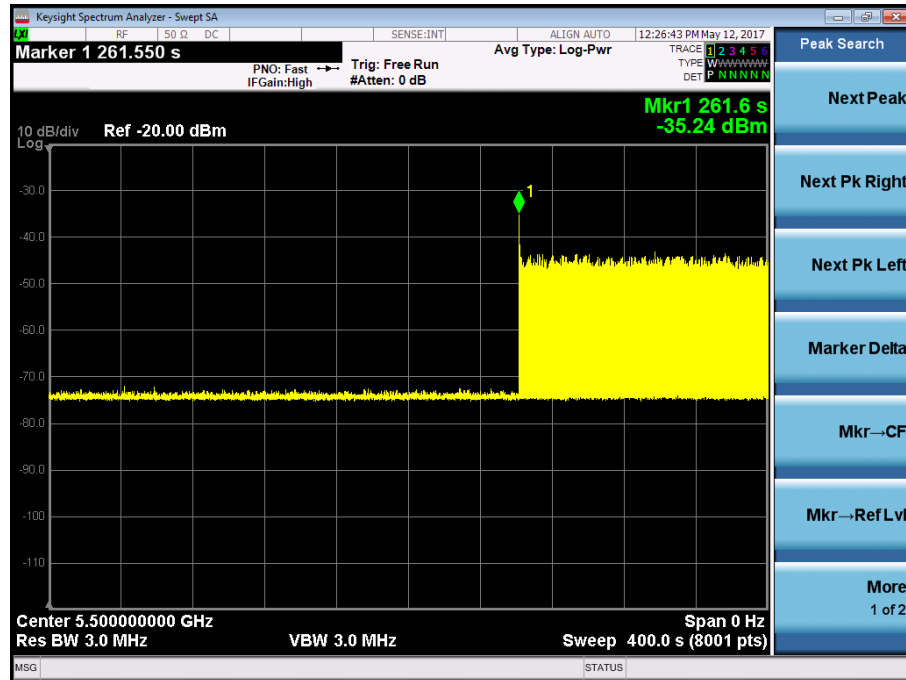
11a CH100 5500MHz



The EUT does not transmit any beacon or data transmission until at least 1 minute after the completion of the power-on cycle (201.6sec). The initial power up time of the EUT is indicated by Marker 1 (261.6 sec) – CAC (60 sec). Initial beacons/data transmission is indicated by Marker 1(261.6 sec)

APEX0367

11a CH100 5500MHz



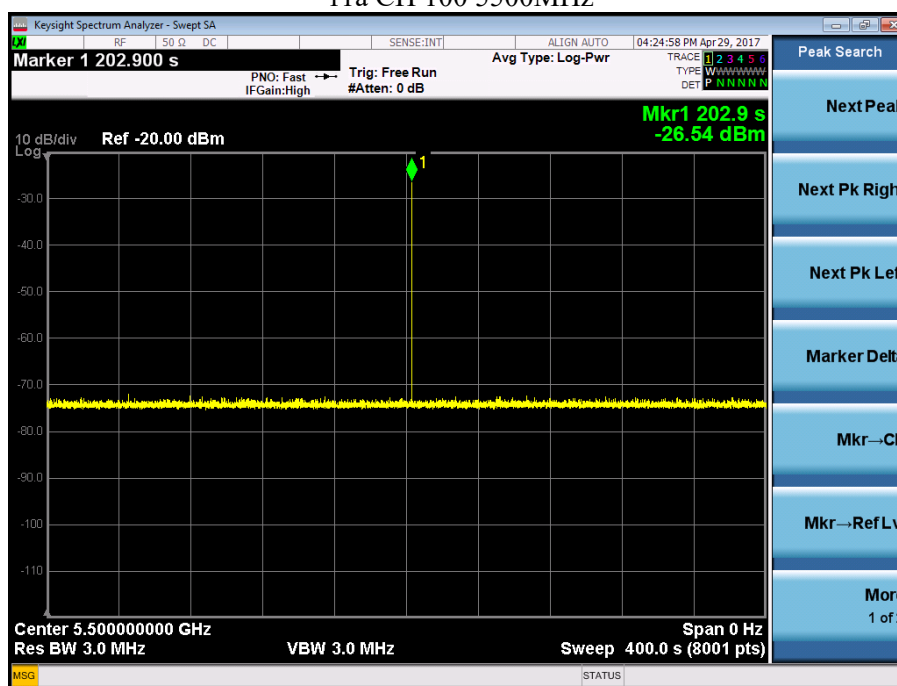
待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：Radar Burst at the Beginning of the Channel
Availability Check Time

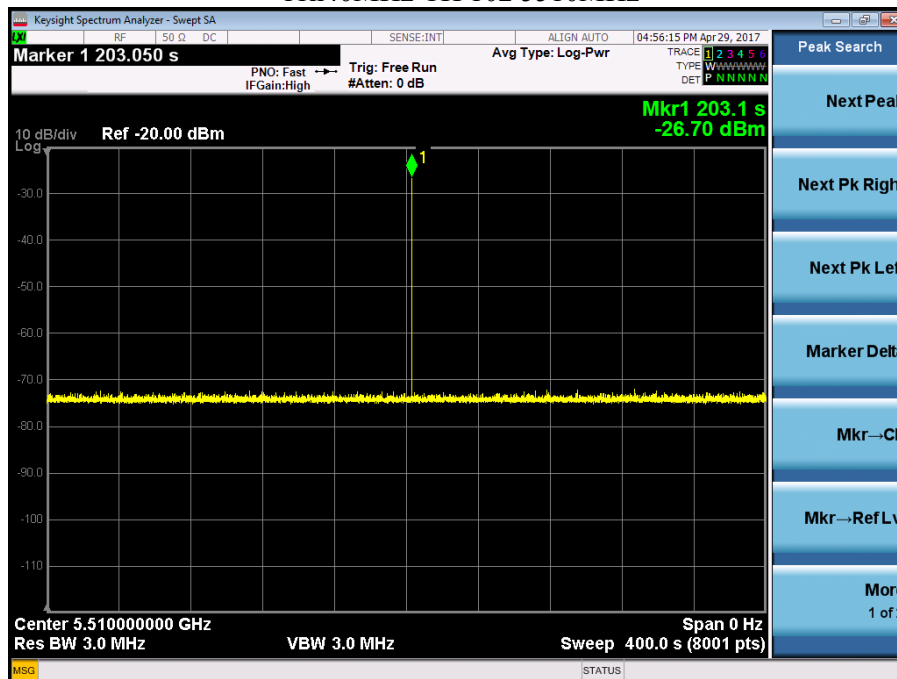
檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 04 月 29 日 環境濕度：58 %

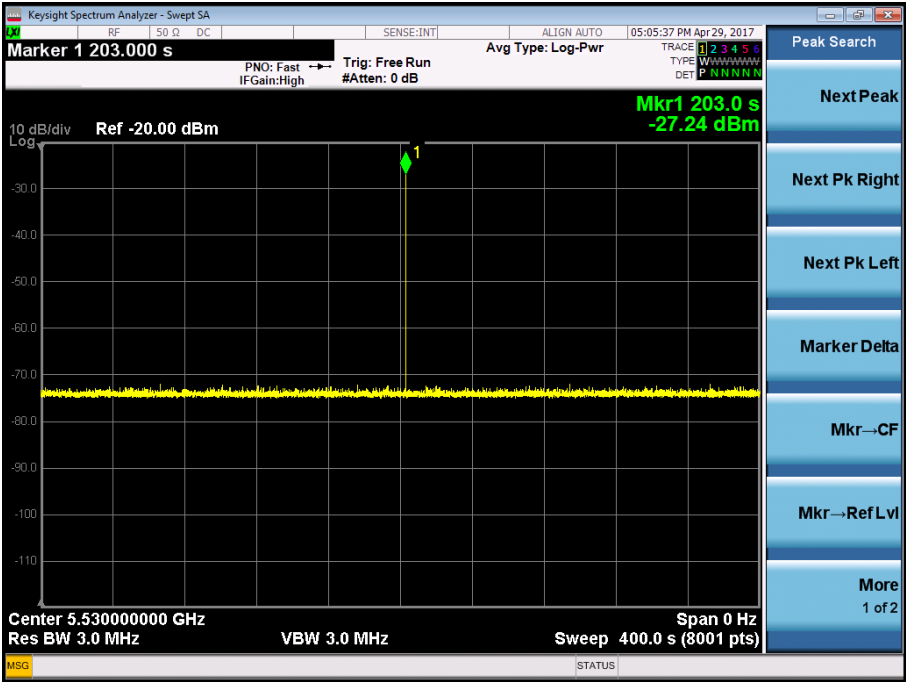
測試模式：Mode 1: 802.11a (ETH6)

APEX0365
11a CH 100 5500MHz

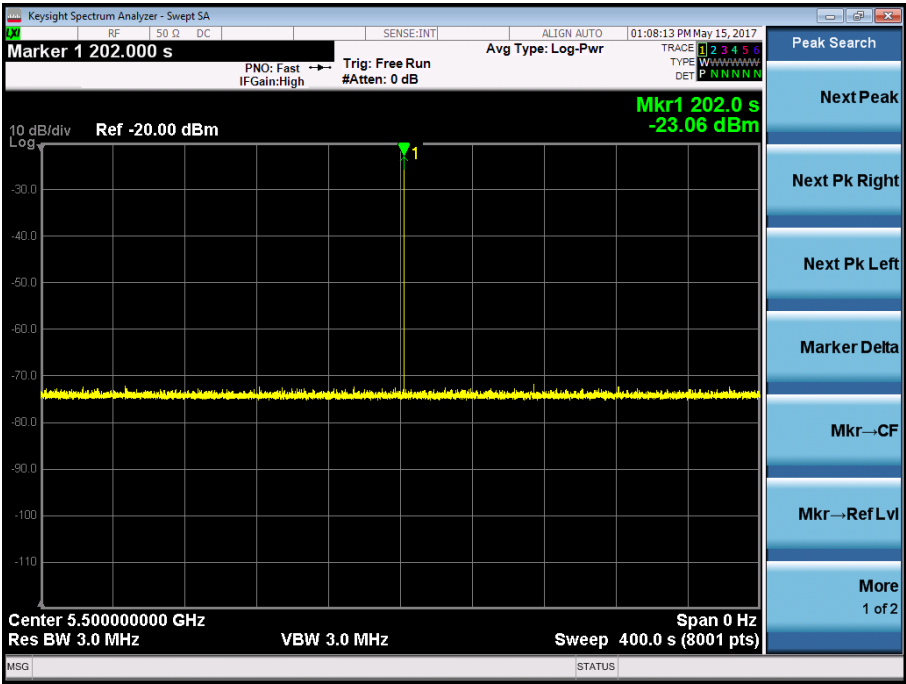
11n40MHz CH 102 5510MHz



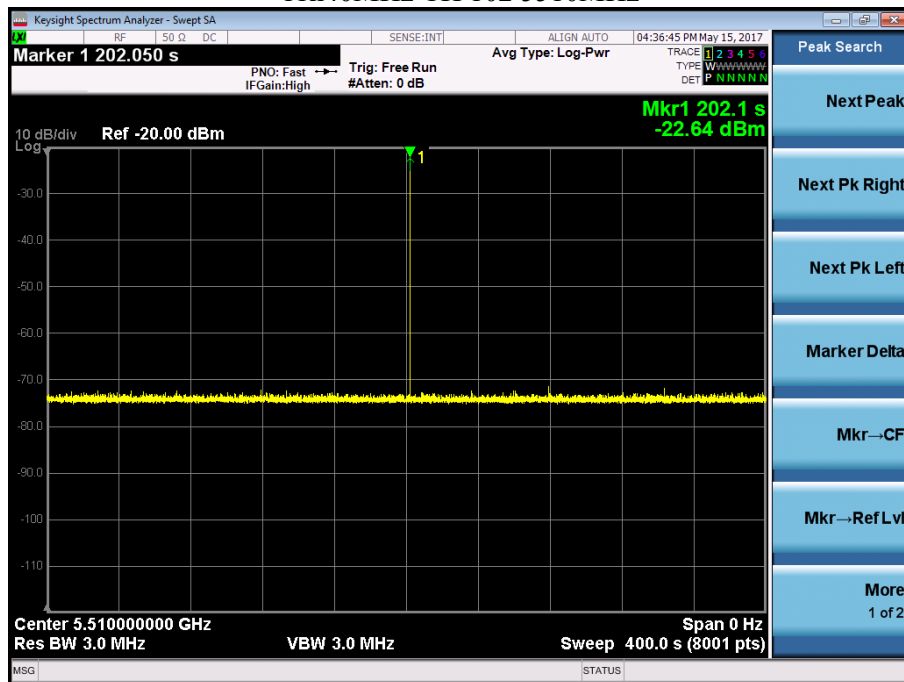
11ac80MHz CH 106 5530MHz



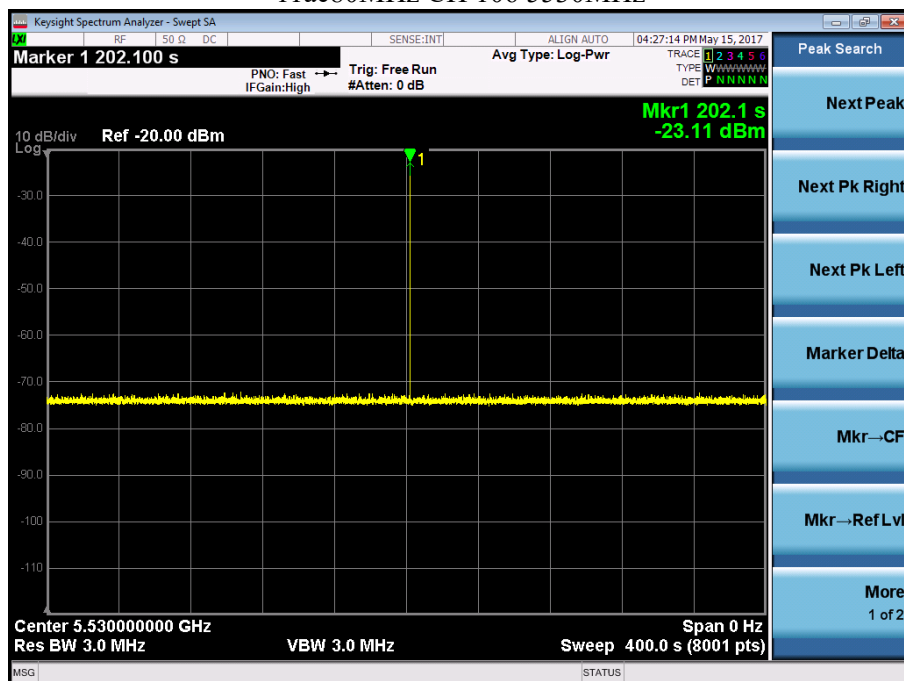
APEX0367
11a CH 100 5500MHz



11n40MHz CH 102 5510MHz



11ac80MHz CH 106 5530MHz



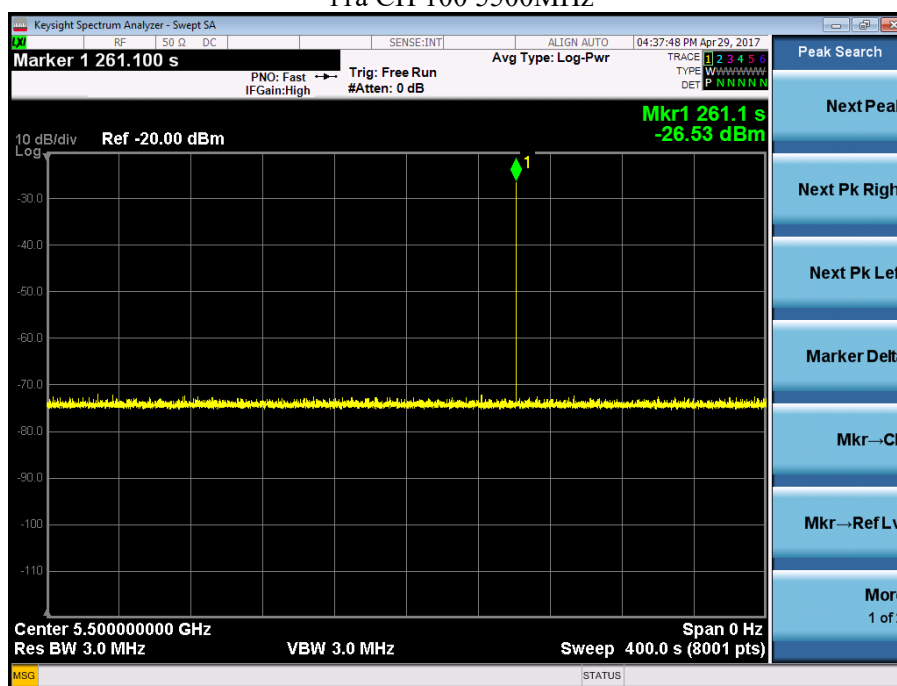
待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：Radar Burst at the End of the Channel Availability Check Time

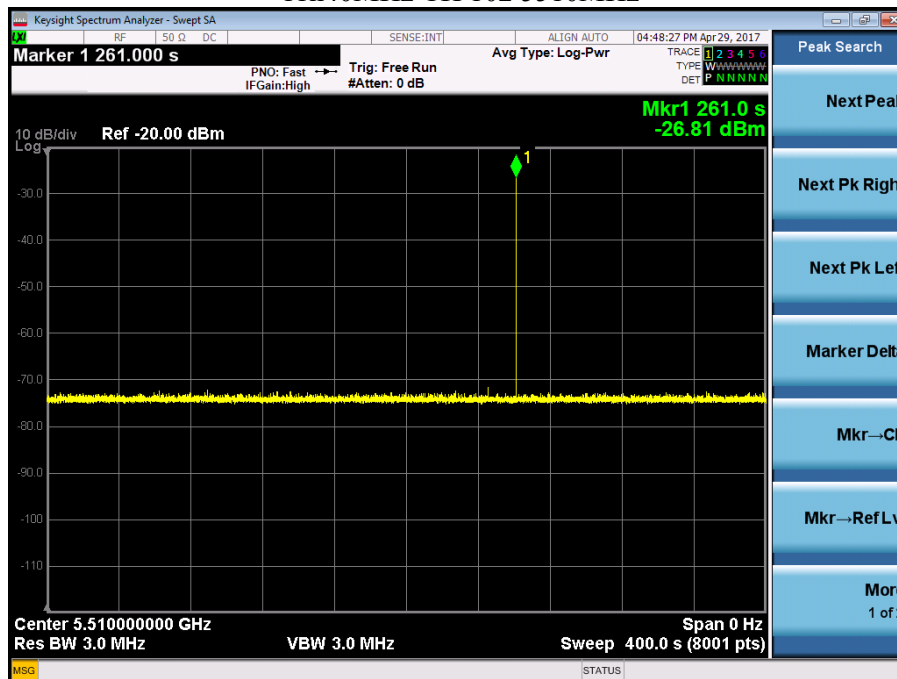
檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 04 月 29 日 環境濕度：58 %

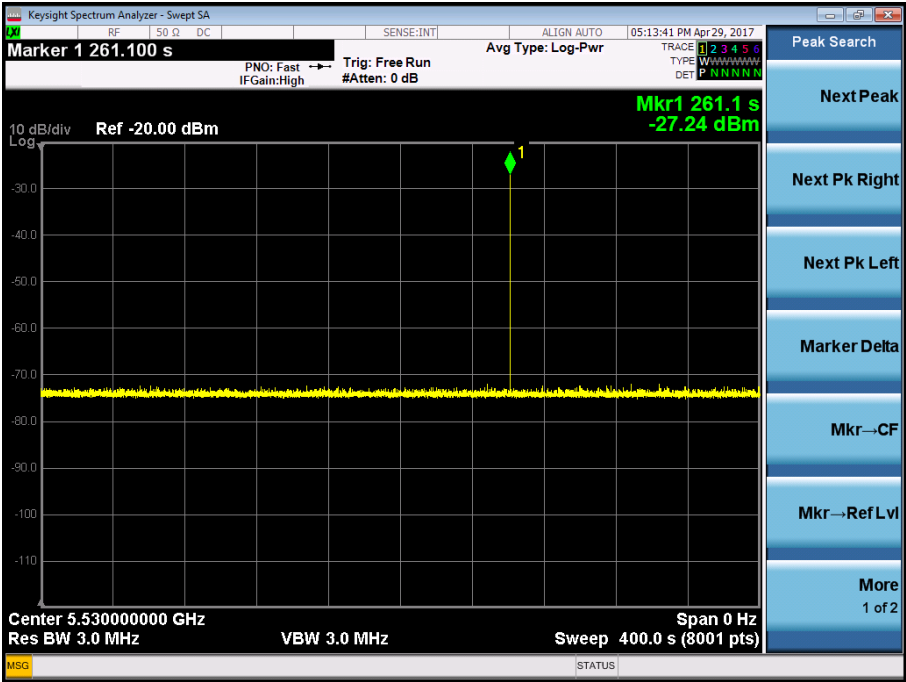
測試模式：Mode 1: 802.11a (ETH6)

APEX0365
11a CH 100 5500MHz

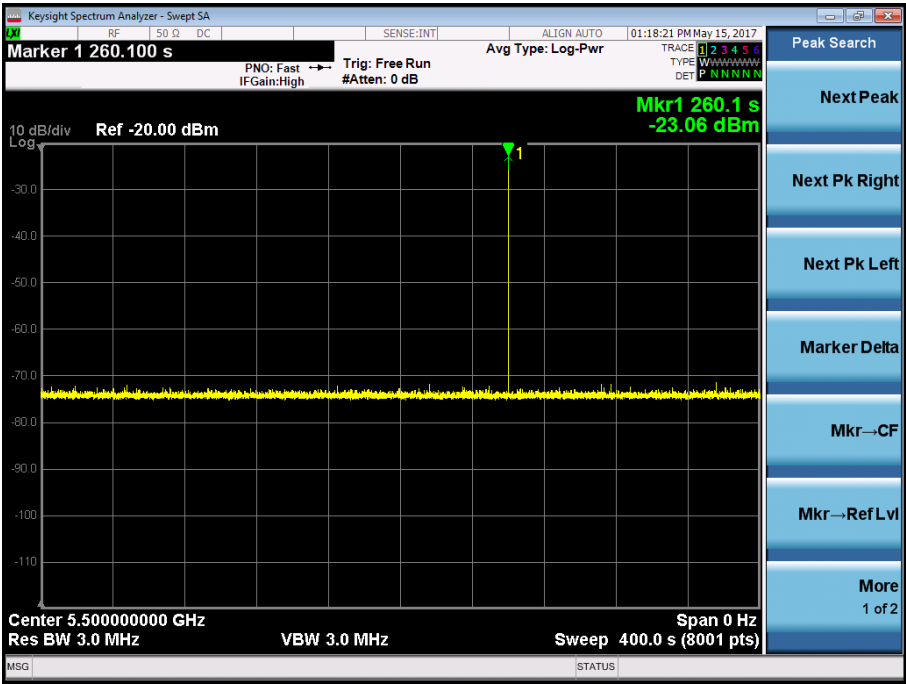
11n40MHz CH 102 5510MHz



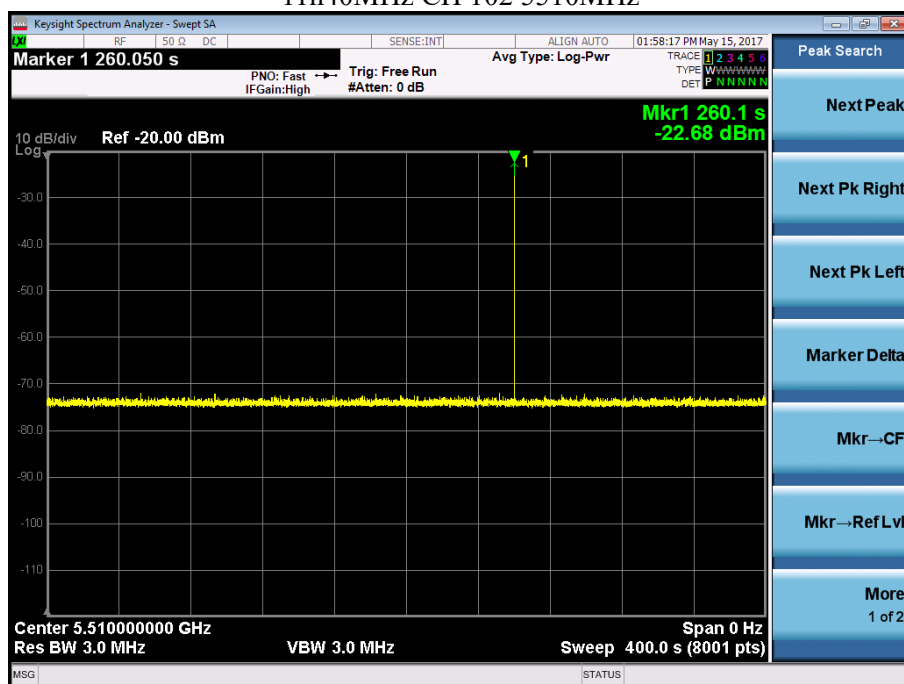
11ac80MHz CH 106 5530MHz



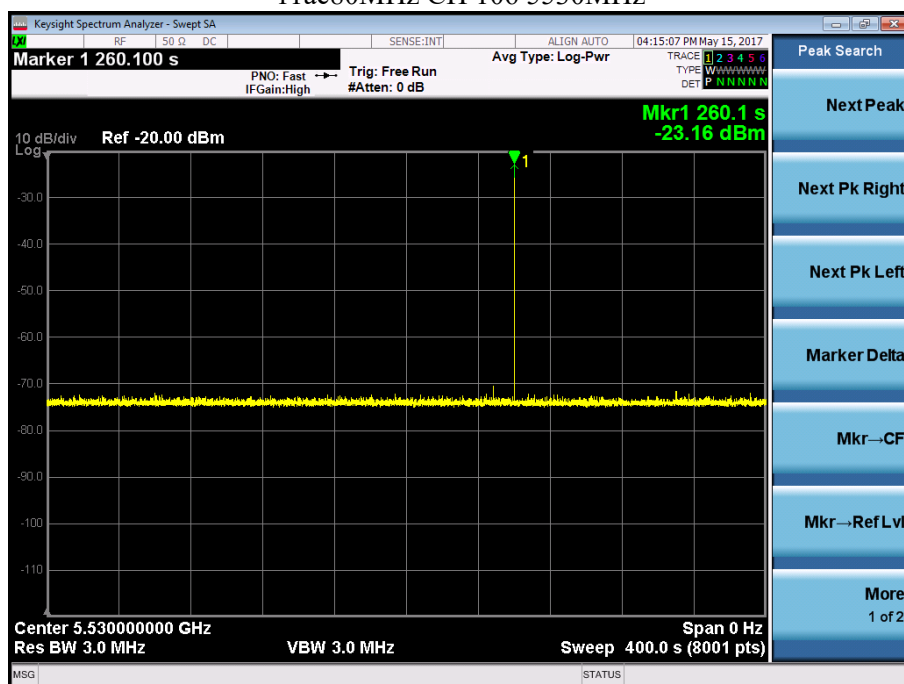
APEX0367
11a CH 100 5500MHz



11n40MHz CH 102 5510MHz



11ac80MHz CH 106 5530MHz



3.10. 頻率移動時間及頻道關閉傳輸時間量測結果

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367

測試項目：頻道移動時間(Channel Move Time) and

頻道關閉傳輸時間(Channel Closing Transmission Time)

檢 測 器：峰值

環境溫度：26 °C

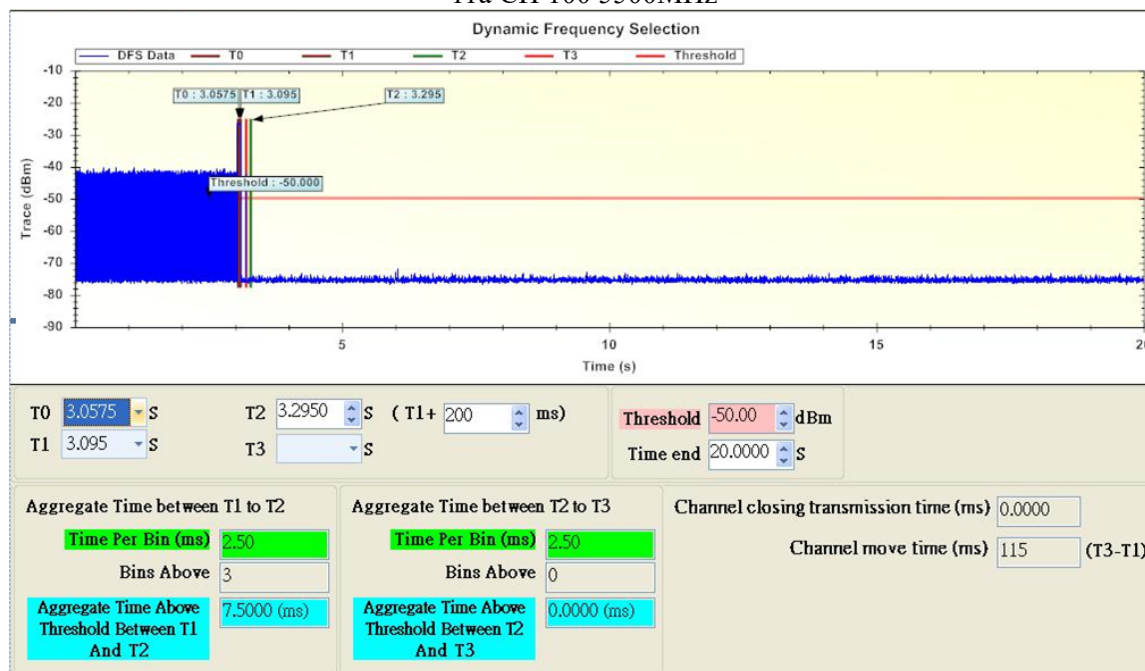
測試日期：106 年 05 月 15 日

環境濕度：58 %

測試模式：Mode 1: 802.11a (ETH6)

APEX0365

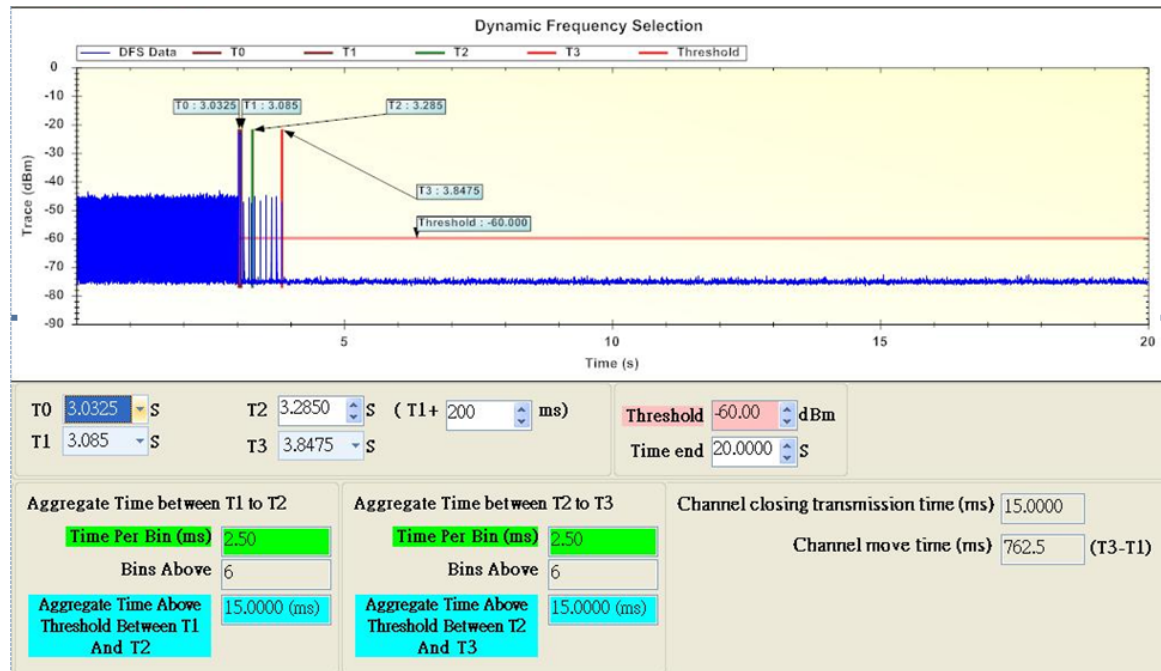
11a CH 100 5500MHz



測試項目	量測結果	限制值	結果
頻道移動時間	0.115 秒	10 秒	符合
頻道關閉傳輸時間	0 秒	200 milliseconds + an aggregate of 60 milliseconds	符合

APEX0367

11a CH 100 5500MHz



測試項目	量測結果	限制值	結果
頻道移動時間	0.7625 秒	10 秒	符合
頻道關閉傳輸時間	0.015 秒	200 milliseconds + an aggregate of 60 milliseconds	符合

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367

測試項目：頻道移動時間(Channel Move Time) and

頻道關閉傳輸時間(Channel Closing Transmission Time)

檢 測 器：峰值

環境溫度：26 °C

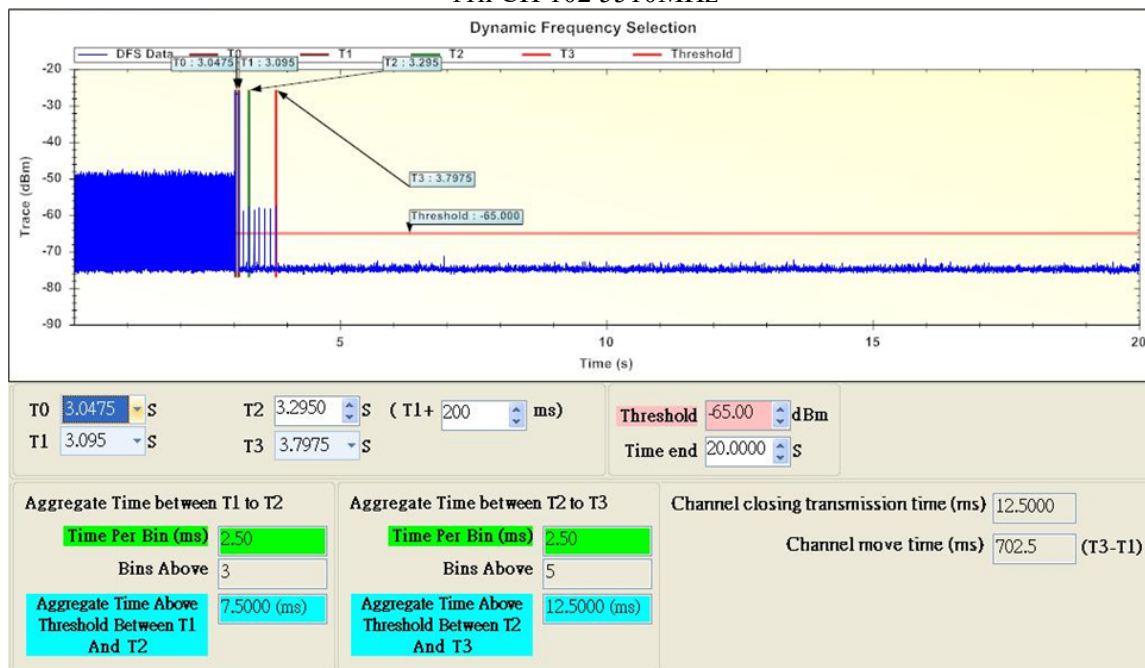
測試日期：106 年 05 月 15 日

環境濕度：58 %

測試模式：Mode 2: 802.11n-40MHz BW(ETH6)

APEX0365

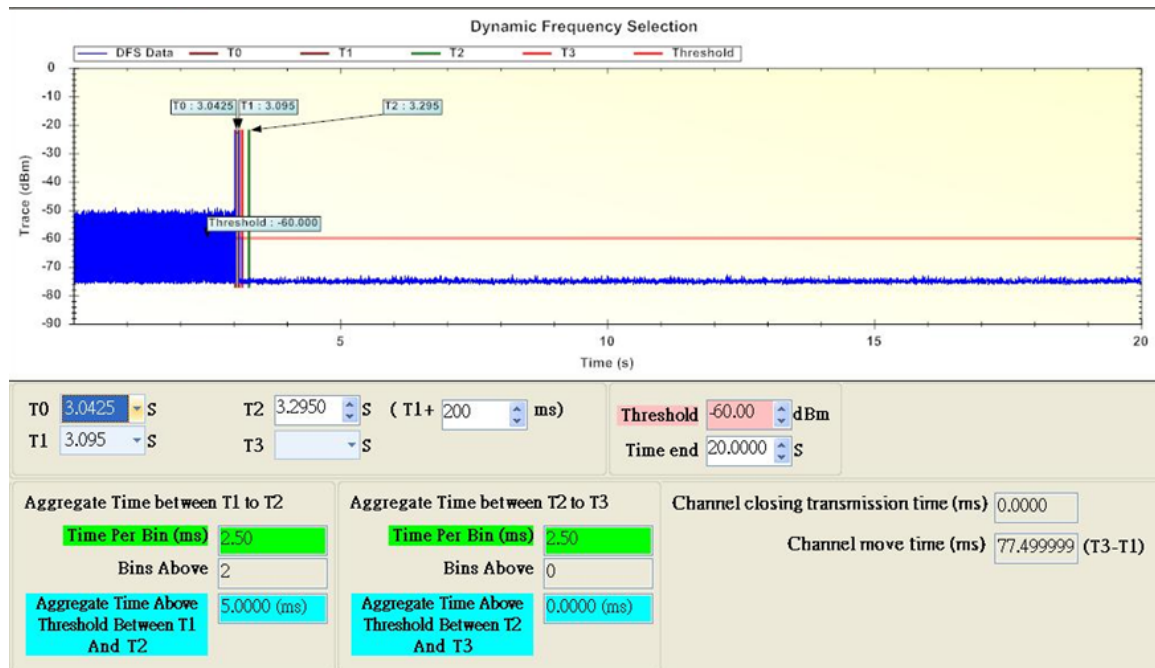
11n CH 102 5510MHz



測試項目	量測結果	限制值	結果
頻道移動時間	0.7025 秒	10 秒	符合
頻道關閉傳輸時間	0.0125 秒	200 milliseconds + an aggregate of 60 milliseconds	符合

APEX0367

11n CH 102 5510MHz



測試項目	量測結果	限制值	結果
頻道移動時間	0.0774 秒	10 秒	符合
頻道關閉傳輸時間	0 秒	200 milliseconds + an aggregate of 60 milliseconds	符合

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367

測試項目：頻道移動時間(Channel Move Time) and

頻道關閉傳輸時間(Channel Closing Transmission Time)

檢 測 器：峰值

環境溫度：26 °C

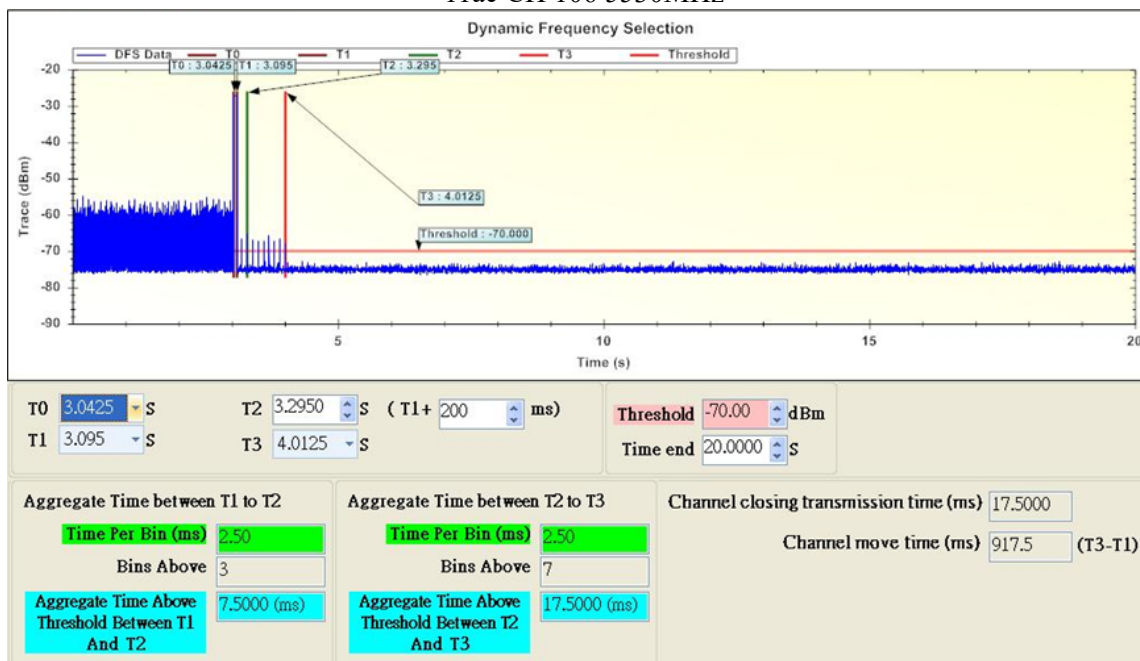
測試日期：106 年 05 月 15 日

環境濕度：58 %

測試模式：Mode 3: 802.11ac-80MHz BW(ETH6)

APEX0365

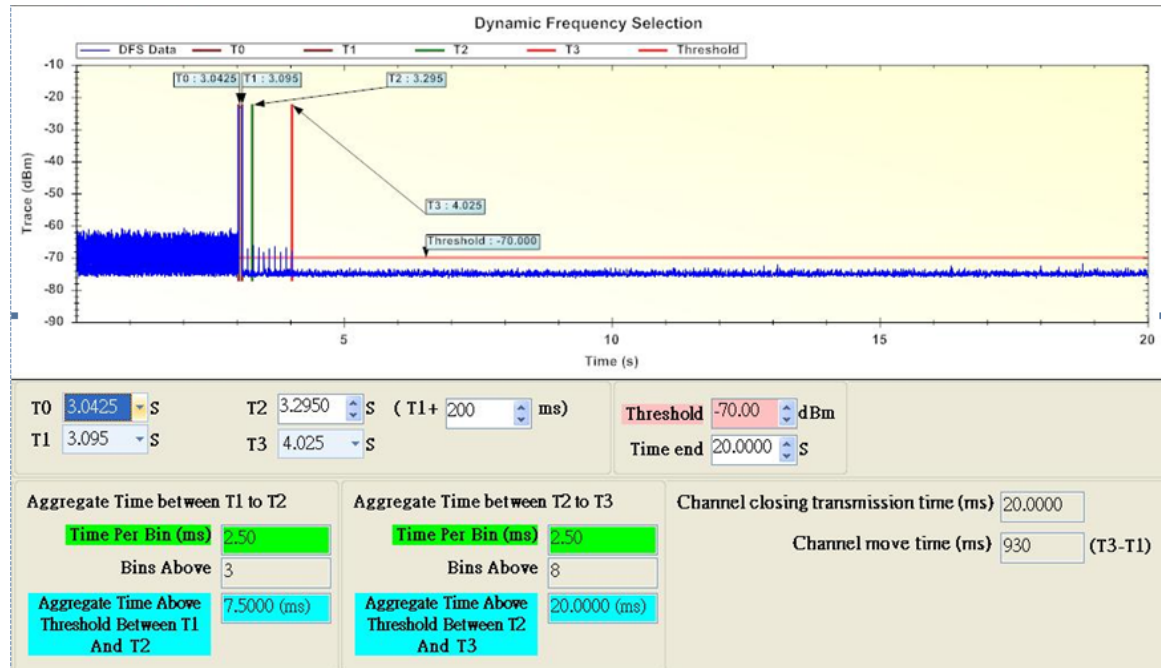
11ac CH 106 5530MHz



測試項目	量測結果	限制值	結果
頻道移動時間	0.9175 秒	10 秒	符合
頻道關閉傳輸時間	0.0175 秒	200 milliseconds + an aggregate of 60 milliseconds	符合

APEX0367

11ac CH 106 5530MHz



測試項目	量測結果	限制值	結果
頻道移動時間	0.93 秒	10 秒	符合
頻道關閉傳輸時間	0.02 秒	200 milliseconds + an aggregate of 60 milliseconds	符合

30 分鐘不可佔用期間量測結果

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：30 分鐘不可佔用期間 (Non-Occupancy Period)

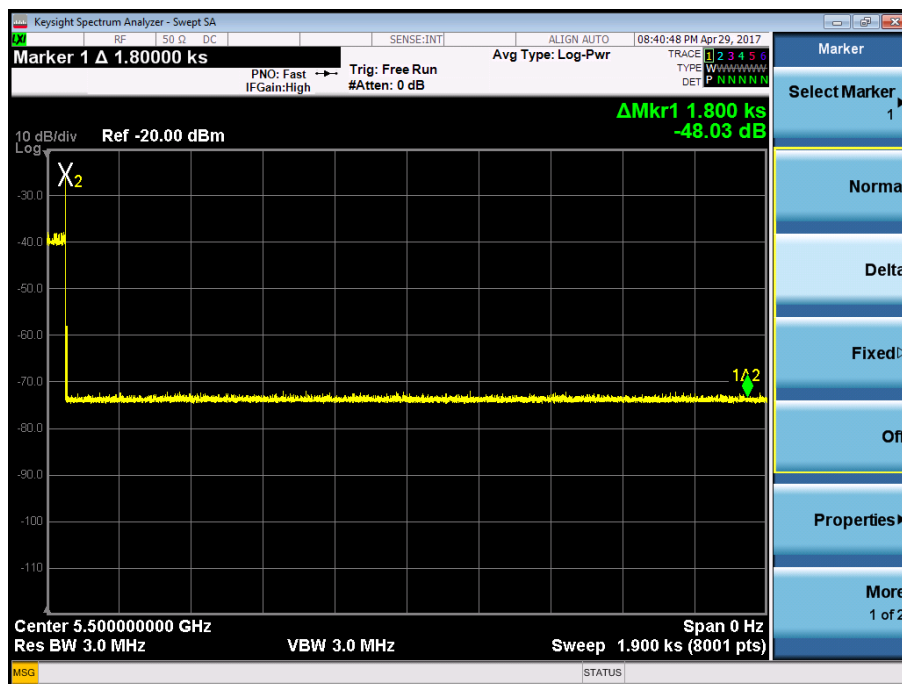
檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 15 日 環境濕度：58 %

測試模式：Mode 1: 802.11a (ETH6)

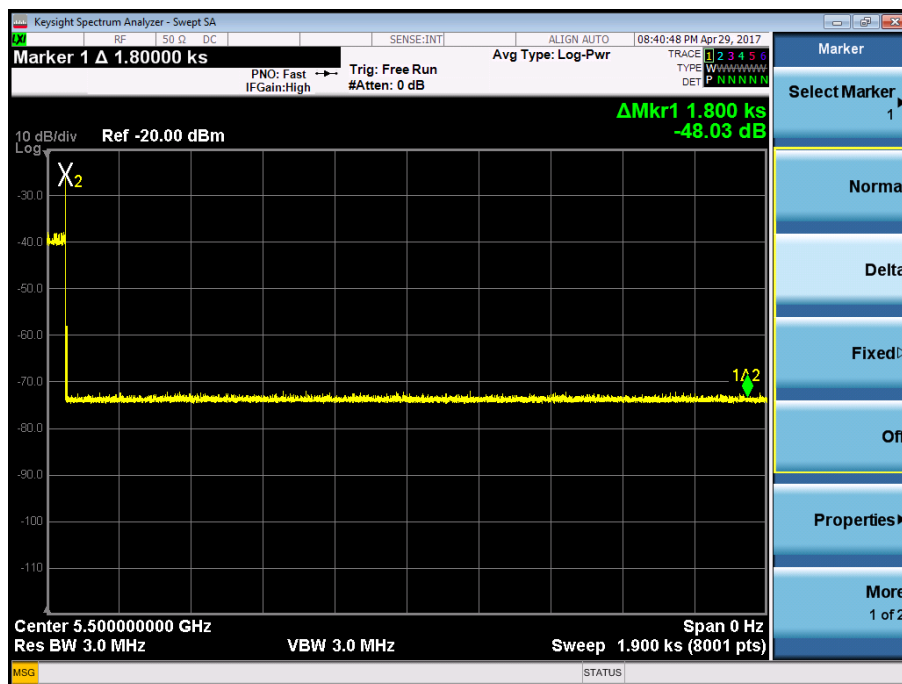
APEX0365

30 分鐘不可佔用期間(Associated test) at 5500 MHz. (802.11a)



測試項目	量測結果	限制值	結果
不可佔用期間	>30 分鐘	≥ 30 分鐘	符合

30 分鐘不可佔用期間(Associated test) at 5500 MHz. (802.11a)



測試項目	量測結果	限制值	結果
不可佔用期間	>30 分鐘	≥30 分鐘	符合

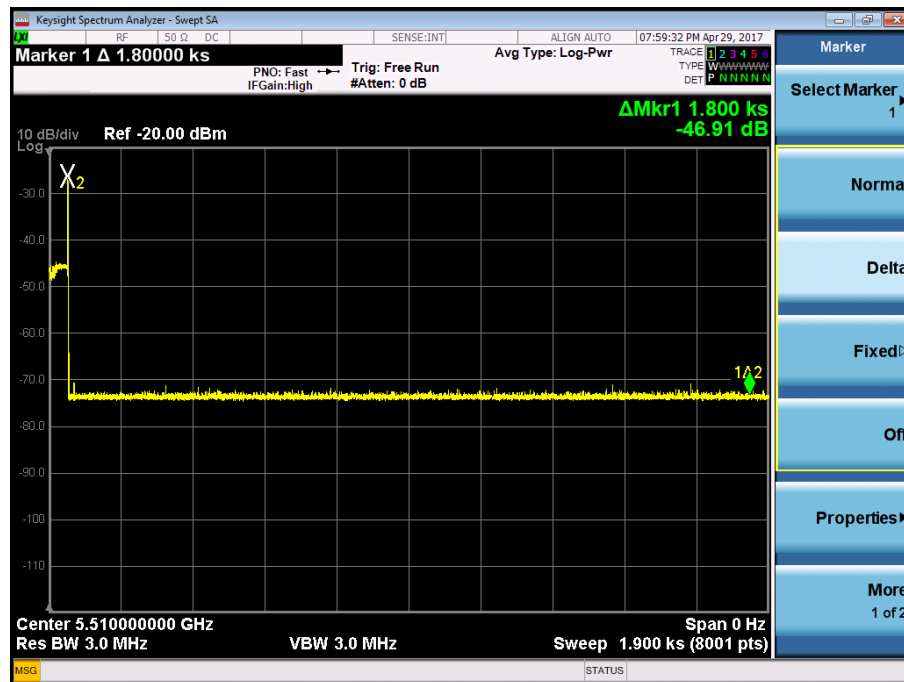
待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：30 分鐘不可佔用期間 (Non-Occupancy Period)

檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 15 日 環境濕度：58 %

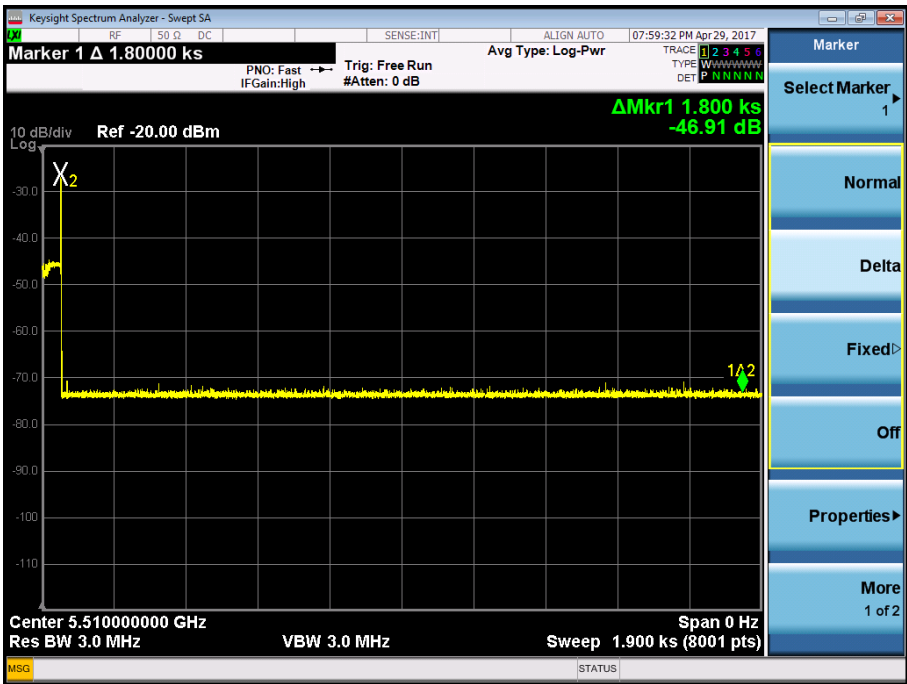
測試模式：Mode 2: 802.11n-40MHz BW (ETH6)

APEX0365**30 分鐘不可佔用期間(Associated test) at 5510 MHz. (802.11n-40MHz)**

測試項目	量測結果	限制值	結果
不可佔用期間	>30 分鐘	≥ 30 分鐘	符合

APEX0367

30 分鐘不可佔用期間(Associated test) at 5510 MHz. (802.11ac-40MHz)



測試項目	量測結果	限制值	結果
不可佔用期間	>30 分鐘	≥30 分鐘	符合

待測物名稱：Access Point

待測物型號：APEX0365, APEX0367 測試項目：30 分鐘不可佔用期間 (Non-Occupancy Period)

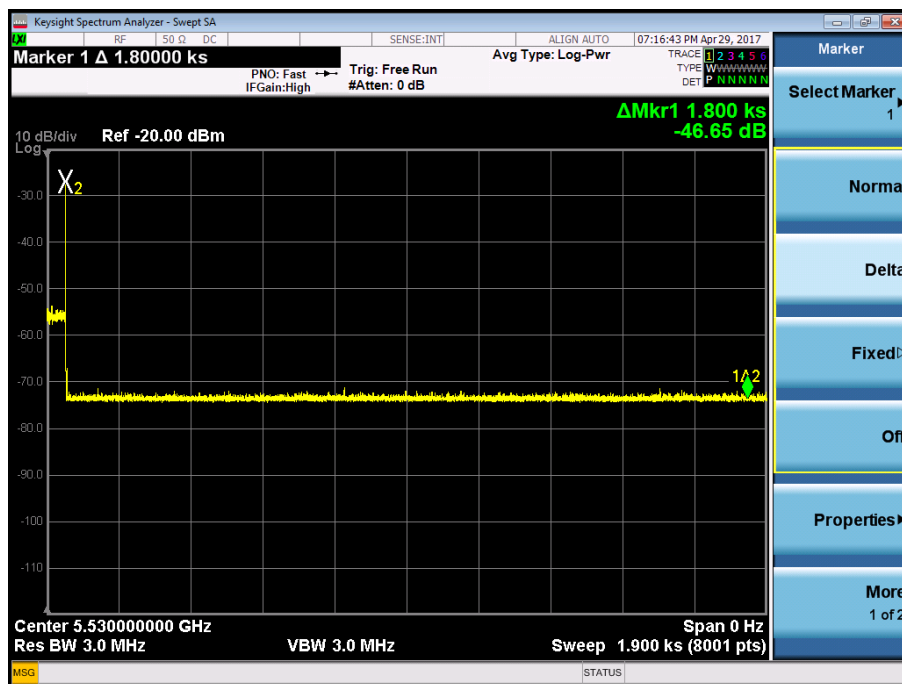
檢 測 器：峰值 環境溫度：26 °C

測試日期：106 年 05 月 15 日 環境濕度：58 %

測試模式：Mode 3: 802.11ac-80MHz BW (ETH6)

APEX0365

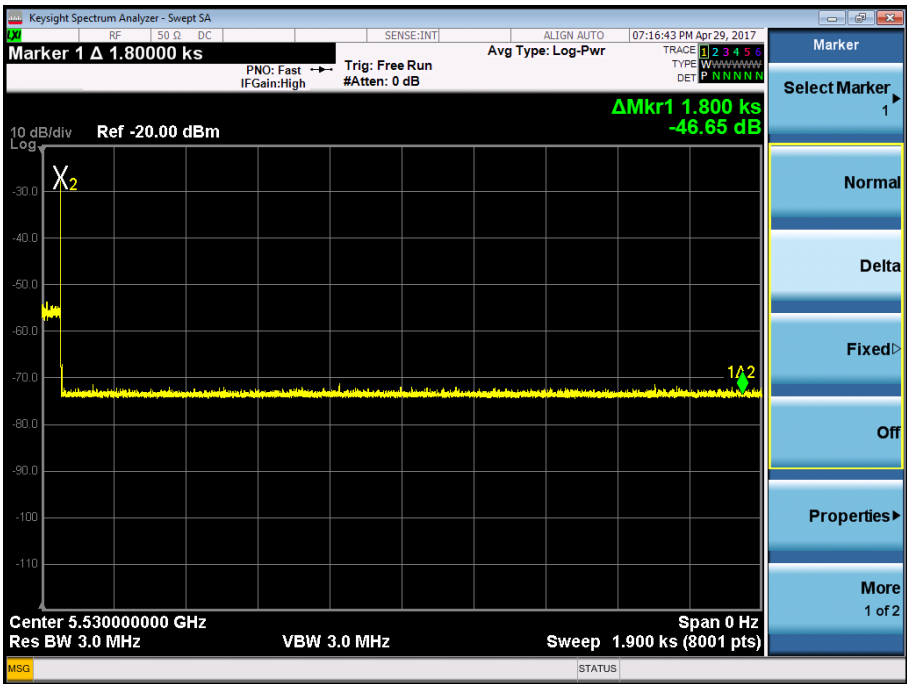
30 分鐘不可佔用期間(Associated test) at 5530 MHz. (802.11n-80MHz)



測試項目	量測結果	限制值	結果
不可佔用期間	>30 分鐘	≥ 30 分鐘	符合

APEX0367

30 分鐘不可佔用期間(Associated test) at 5530 MHz. (802.11n-80MHz)



測試項目	量測結果	限制值	結果
不可佔用期間	>30 分鐘	≥30 分鐘	符合

附件 1: 待測物測試擺設相片

Full DFS Test Setup Photo (APEX0365)



Full DFS Test Setup Photo (APEX0367)



DFS Set-up Photo: Spectrum Analyzer and Radar Generator

