

NCC 低功率射頻電機型式試驗報告

產品名稱(中文)	Wireless Access point
型號	AP510C
廠牌	Extreme Networks

申請者	香港商極進網路有限公司台灣分公司
地址	臺北市松山區復勢里南京東路4段126號5樓

受理日期	107年04月04日
報告發行日期	109年05月05日
報告號碼	2040799R-E3032160654-A
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。

對各個測試系統與伴隨的連接設施，所執行的量測項目的量測不確定度，在此提供做為系統資訊的參考，符合性決定不考慮測試系統的不確定度而是基於符合性測試的結果決定。

低功率射頻電機量測報告

報告發行日期: 109 年 05 月 05 日

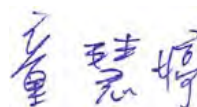
報告號碼: 2040799R-E3032160654-A



產品名稱(中文)	Wireless Access point
申請者	香港商極進網路有限公司台灣分公司
地址	臺北市松山區復勢里南京東路 4 段 126 號 5 樓
製造廠商	Extreme Networks, Inc
待測物額定電壓	DC 37~57 V (Power by PoE)
待測物測試電壓	AC 110V/60Hz
商標或廠牌	Extreme Networks
型式號	AP510C
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 :



行政助理/童慧婷

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
2.3. 量測不確定度.....	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.....	31
3.4. 測試架構圖.....	32
3.5. 連線負載與位準.....	33
3.6. 量測不確定度.....	37
3.7. UNII 偵測頻寬量測結果.....	38
3.8. DFS 偵測門檻值量測結果.....	53
3.9. 頻道可用性檢查時間量測結果.....	81
3.10. 頻率移動時間量測結果.....	84
3.11. 30 分鐘不可佔用期間量測結果.....	88

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)	香港商極進網路有限公司台灣分公司
地址	臺北市松山區復勢里南京東路4段126號5樓
製造廠商	Extreme Networks, Inc
產品名稱	Wireless Access point
產品型號	AP510C
DFS Function	☒ Master ☐ Slave
TPC Function	☒ <500mW not required ☐ $\geq$ 500mW 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	RF electronic technology Co.	RF21S00719A	Metal plate type F antenna	4.10dBi for 5.25~5.35GHz 4.63dBi for 5.47~5.725GHz

1.2. 待測裝置驗證說明

1. 待測裝置規格說明：

待測物為 Wireless Access point，其天線為 Metal plate type F antenna，內建了 WiFi 及 Bluetooth 功能，此報告為 5GHz WLAN 的測試報告；其天線為半固定式 Metal plate type F antenna，悉採 5GHz 為載波，利用寬頻數位調變(OFDM)方式 802.11a：6 – 54Mbps, 802.11n：14.4 – 288.8Mbps using 20MHz channel、30 – 600Mbps using 40MHz channel)來傳送訊號，頻道 36、44、48、52、60、64、100、116、140、149、157、165 (802.11a/n-20MHz)和頻道 38、46、54、62、102、118、134、151、159(802.11n-40MHz)被選擇為測試頻道，速率 6Mbps (802.11a) 與 MCS8 (802.11n)被選擇為測試傳輸速率。

另支援 802.11ac 14.4 – 288.8Mbps using 20MHz channel、802.11ac 30 – 600Mbps using 40MHz channel、802.11ac 65 – 1733.2Mbps using 80MHz channel、802.11ac 130 – 3466Mbps using 160MHz channel、802.11ax 17.2-572Mbps using 20MHz channel、802.11ax 34.4-1148Mbps using 40MHz channel、802.11ax 72.1-2400Mbps using 80MHz channel、802.11ax 144.1-4804Mbps using 160MHz channel 來傳送訊號，頻道 144 (802.11ac-20MHz)和頻道 142(802.11ac-40MHz) 和頻道 42、58、106、122、138、155(802.11ac-80MHz) 和頻道 50、114(802.11ac-160MHz)被選擇為測試頻道，速率 MCS0 (802.11ac-20MHz)與 MCS0 (802.11ac-40MHz) 與 MCS0 (802.11ac-80MHz) 與 MCS0 (802.11ac-160MHz)被選擇為測試傳輸速率。

本報告為複製報告，原申請人(Aerohive Networks, Inc) 因公司合併變更名稱為香港商極進網路有限公司台灣分公司，經申請人同意下沿用原始測試數據，原始報告編號為：1890138R-RFTWP01V00-A。

本案經申請者切結器材不提供隨貨配件，配件由實驗室(或申請者)提供併同檢驗，及其廠牌型號資訊描述於 1.3 章

(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 Metal plate type F antenna。
- <3> 動態頻率選擇之工作頻率範圍：5260-5320MHz, 5500-5700MHz。
- <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: 6.5-450Mbps/802.11ac: up to 3466Mbps
802.11ax: up to 4804Mbps
- <7> 待測物額定電壓：DC 37~57 V (Power by PoE)
- <8> 802.11a/n-20MHz/ac-20MHz/ax-20MHz 共計 25 個工作頻道，
802.11n-40MHz/ac-40MHz/ax-40MHz 共計 12 個工作頻道，
802.11ac-80MHz/ax-80MHz 共計 6 個工作頻道，
802.11ax-160MHz 共計 2 個工作頻道，工作頻道頻率為：

802.11a/n-20MHz/ac-20MHz/ax-20MHz 共計 25 個工作頻道，工作頻道頻率為：

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 036: 5180 MHz		Channel 040: 5200 MHz		Channel 044: 5220 MHz		Channel 048: 5240 MHz	
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	
Channel 149: 5745 MHz		Channel 153: 5765 MHz		Channel 157: 5785 MHz		Channel 161: 5805 MHz	
Channel 165: 5825 MHz							

802.11n-40MHz/ac-40MHz/ax-40MHz 共計 12 個工作頻道，工作頻道頻率為：

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 038: 5190 MHz		Channel 046: 5230 MHz		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		Channel 151: 5755 MHz		Channel 159: 5795 MHz	

802.11ac-80MHz/ax-80MHz 共計 6 個工作頻道，工作頻道頻率為：

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 042: 5210 MHz		Channel 058: 5290 MHz		Channel 106: 5530 MHz		Channel 122: 5610 MHz	
Channel 138: 5690 MHz		Channel 155: 5775 MHz					

802.11ac-80MHz/ax-80MHz 共計 6 個工作頻道，工作頻道頻率為：

Channel	Frequency	Channel	Frequency
Channel 50: 5250 MHz		Channel 114: 5570 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: 802.11ac-20MHz BW Mode 3: 802.11ac-40MHz BW Mode 4: 802.11ac-80MHz BW Mode 5: 802.11ac-160MHz 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:

Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10~40 °C
	Humidity (%RH)	10~90 %
Radiated Emission	Temperature (°C)	10~40 °C
	Humidity (%RH)	10~90 %
Conductive	Temperature (°C)	10~40 °C
	Humidity (%RH)	10~90 %

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：德凱認證股份有限公司

測試實驗室地址：新北市林口區瑞平里瑞樹坑5-22號

電話號碼：+886-2-8601-3788

傳真號碼：+886-2-8601-3789

電子郵件信箱：info.tw@dekra.com

公司網站：<http://www.dekra.com.tw>

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, 2018
Vector Signal Generator	Agilent	E4438C	MY49070137	July, 02, 2018
Horn Antenna	SCHWARZBECK	BBHA9120D	866	July.,16, 2018
Horn Antenna	SCHWARZBECK	BBHA9120D	305	Jan.,11, 2018

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

2.3. 量測不確定度

不確定度已根據 DEKRA 內部文件進行了計算，並在本報告的每個測試章節中進行了描述。報告的擴展不確定性是基於標準不確定性乘以 $k = 2$ 的覆蓋因子得出的，置信度約為 95%。對各個測試系統與伴隨的連接設施，所執行的量測項目的量測不確定度，在此提供做為系統資訊的參考，符合性決定不考慮測試系統的不確定度而是基於符合性測試的結果。

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，以 IP 為基礎架構的設備，使用頻帶寬度為 20 MHz/40MHz/80MHz/160MHz。

待測物之天線增益為 4.63dBi。量測方式是將 50 歐姆(Ω)的收、發天線端連接至測試設備系統進行傳導測試。

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 20.93dBm, EIRP 為 25.56dBm <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)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 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 (μ sec)	Chirp Width (MHz)	PRI (μ sec)	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

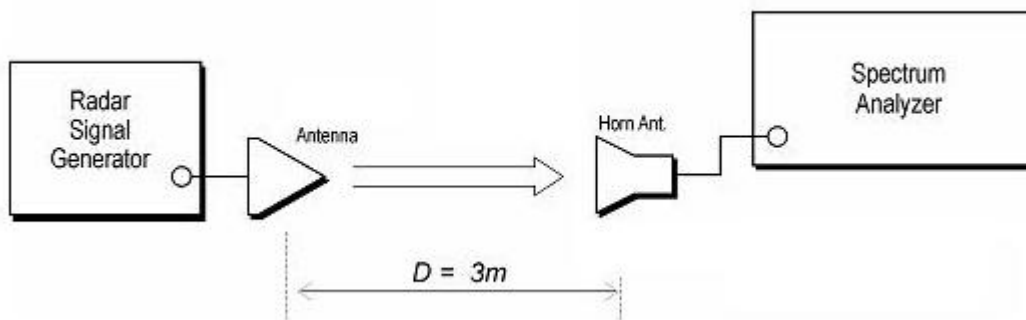
Radar Waveform	Pulse Width (μ sec)	PRI (μ sec)	Hopping Sequence Length (msec)	Pulses Per Hop	Hopping Rate (kHz)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	300	9	.333	70%	30

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。

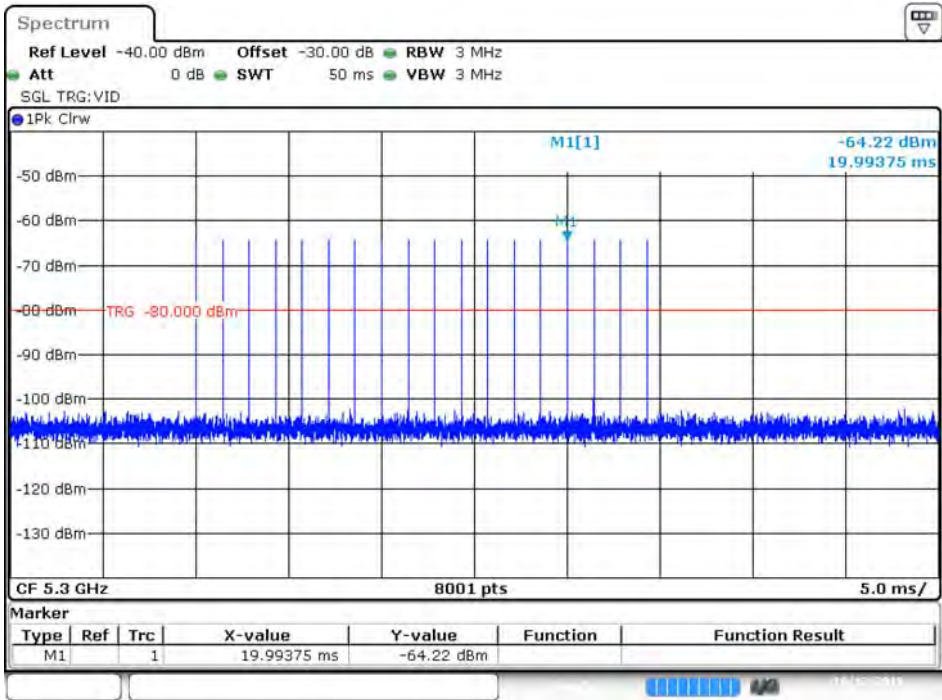
雷達系統波形校驗

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

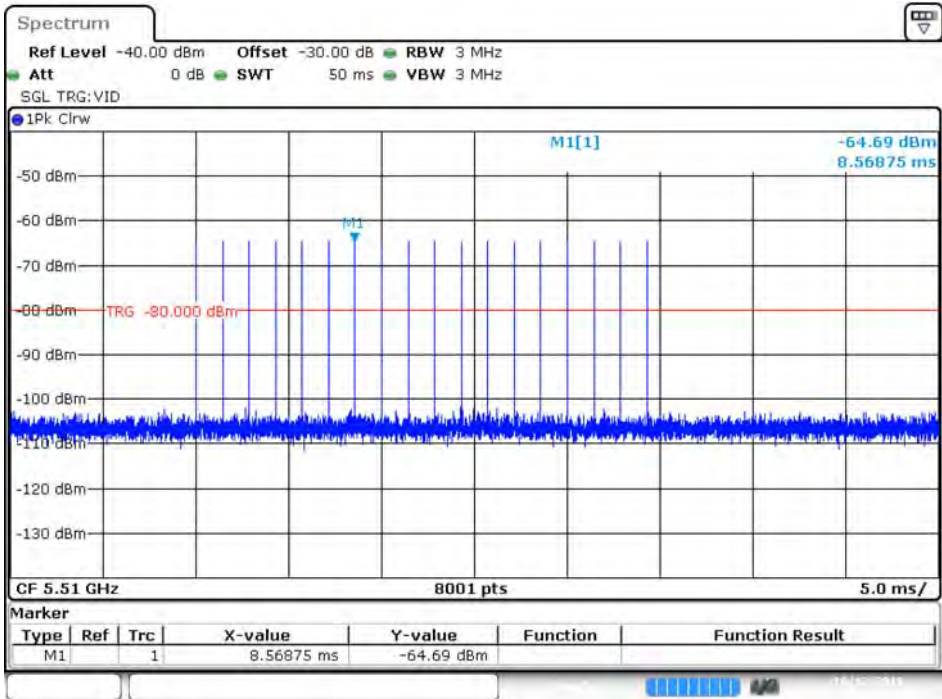


Radar Type 0
Calibration Plot (5300MHz)



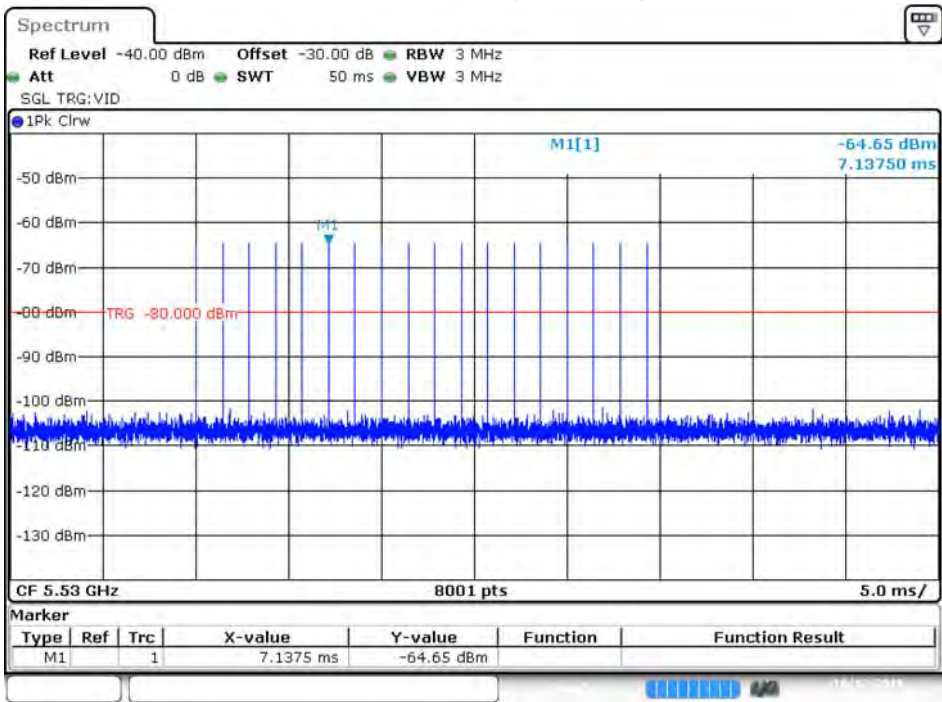
Date: 12.OCT.2018 17:28:26

Calibration Plot (5510MHz)



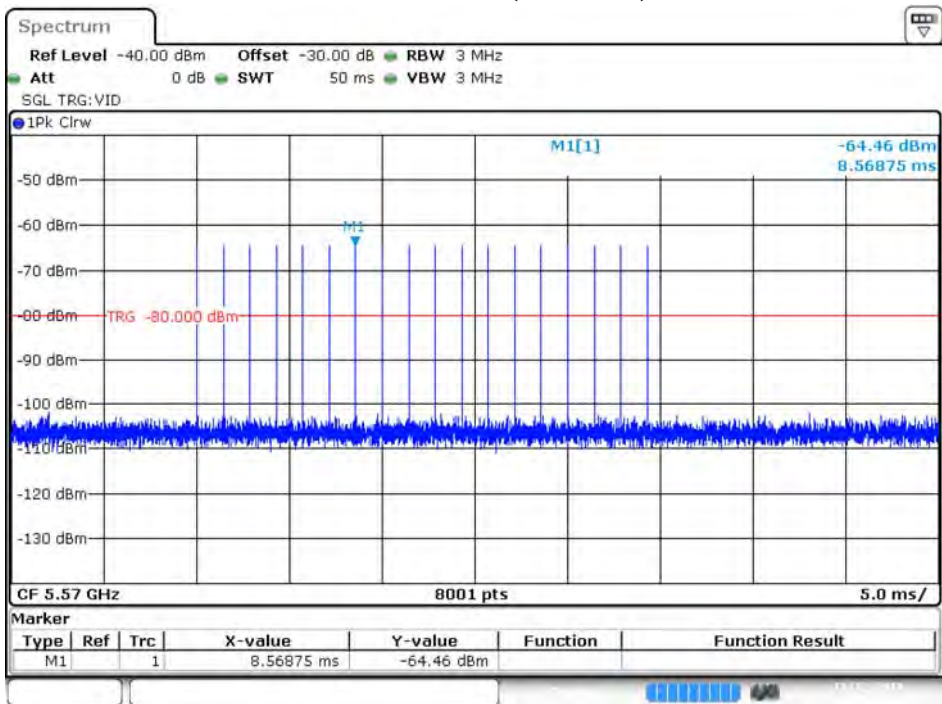
Date: 12.OCT.2018 17:27:37

Calibration Plot (5530MHz)



Date: 12.OCT.2018 17:26:55

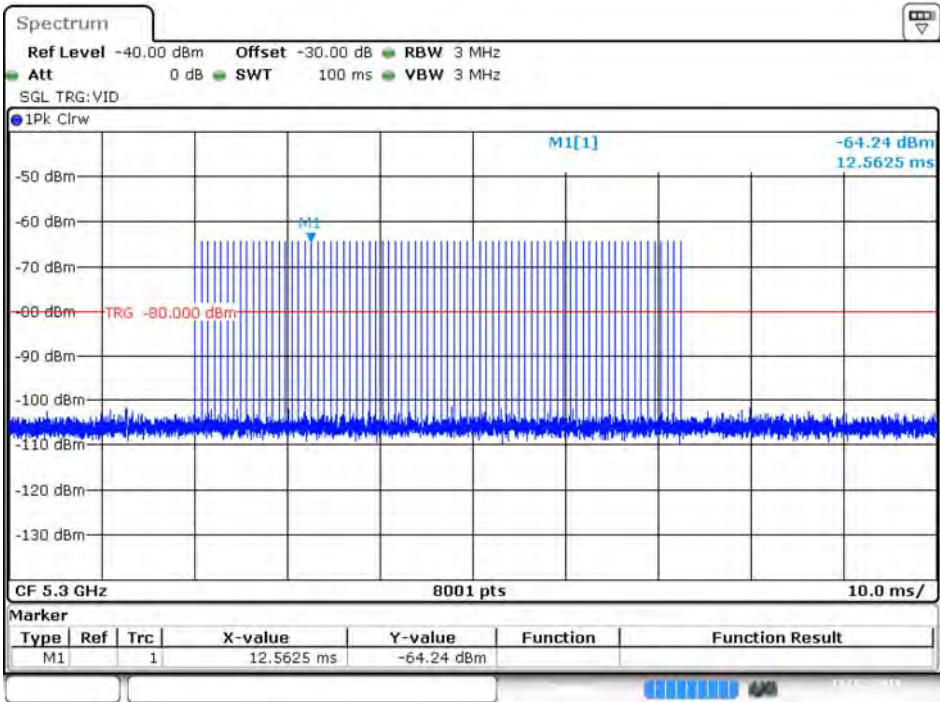
Calibration Plot (5570MHz)



Date: 12.OCT.2018 17:25:36

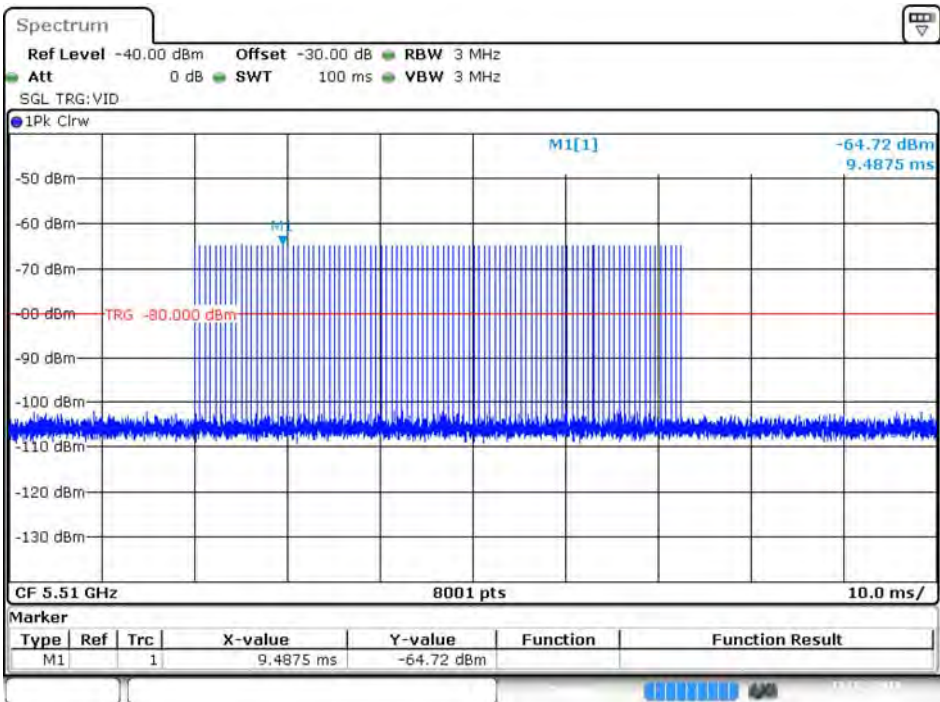
Radar Type 1-A

Calibration Plot (5300MHz)



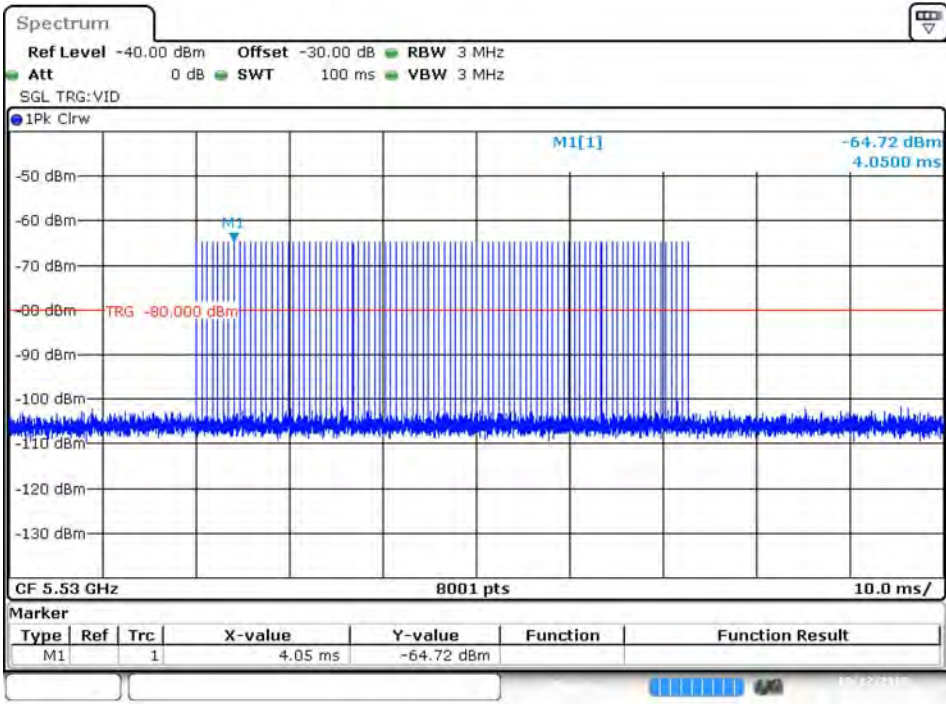
Date: 12 OCT.2018 17:30:07

Calibration Plot (5510MHz)



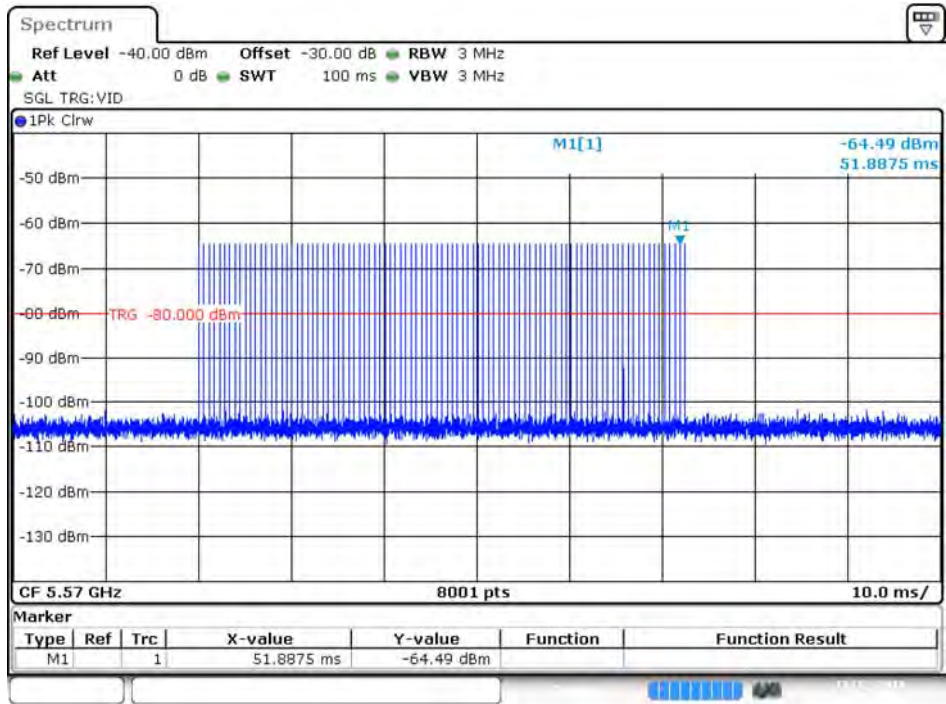
Date: 12 OCT.2018 17:31:34

Calibration Plot (5530MHz)



Date: 12.OCT.2018 17:32:06

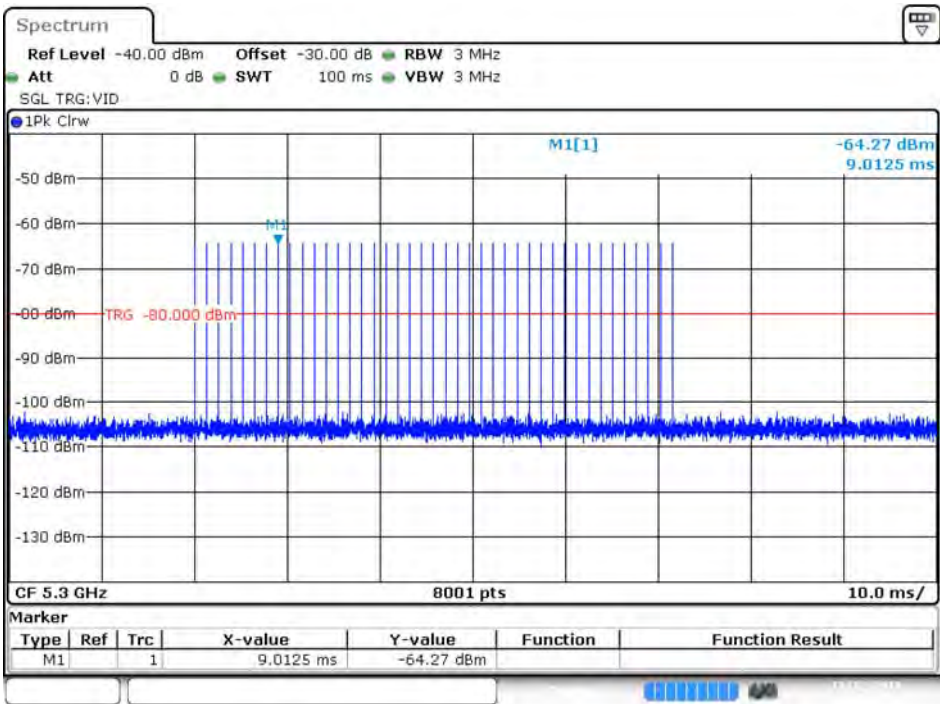
Calibration Plot (5570MHz)



Date: 12.OCT.2018 17:35:35

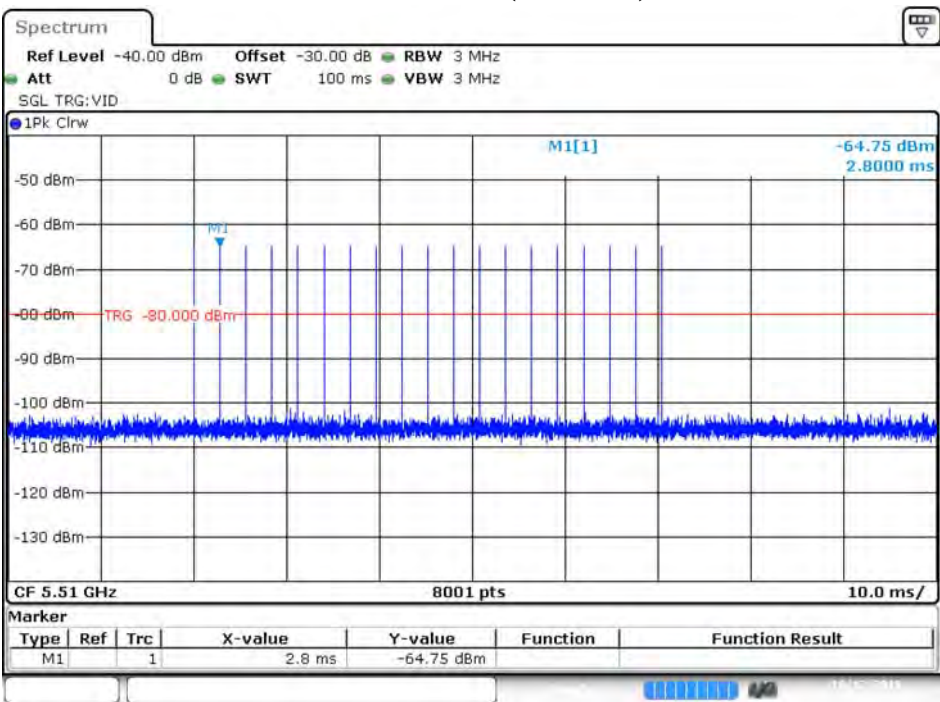
Radar Type 1-B

Calibration Plot (5300MHz)



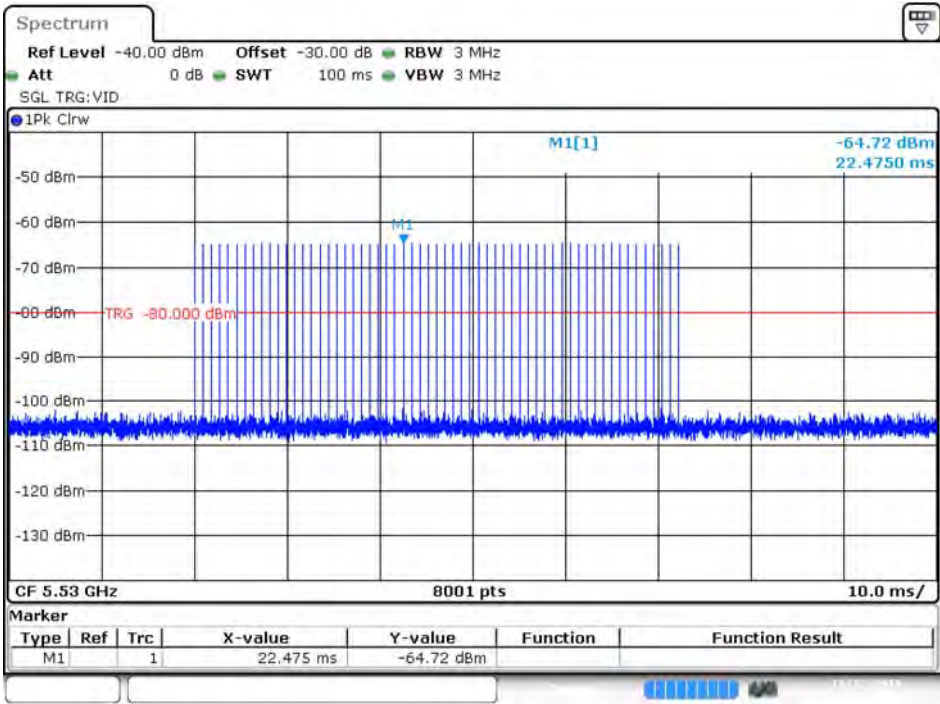
Date: 12.OCT.2018 17:30:40

Calibration Plot (5510MHz)



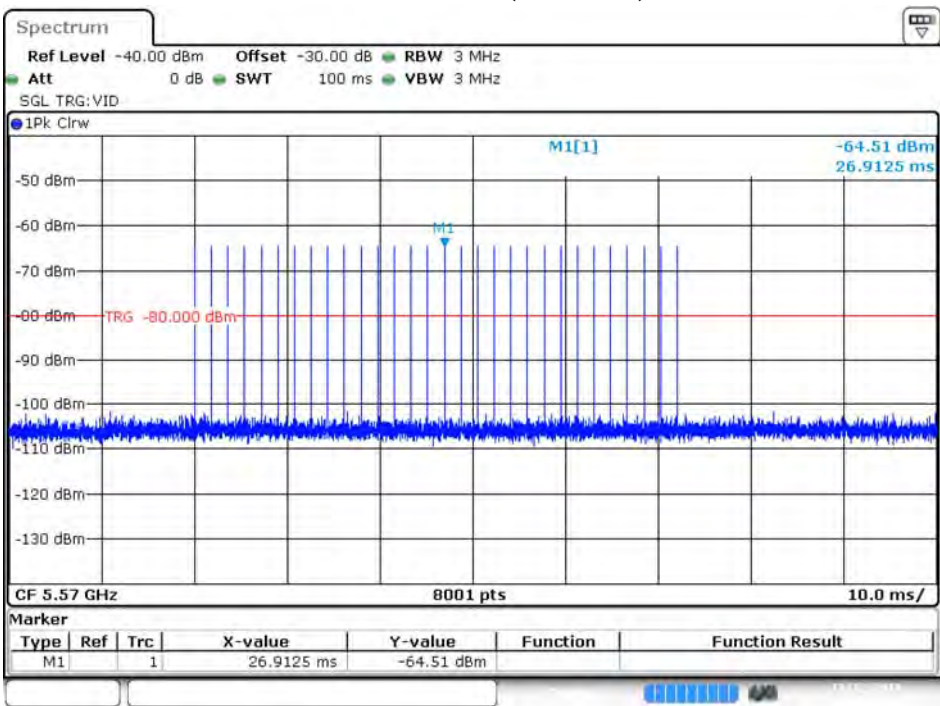
Date: 12.OCT.2018 17:31:11

Calibration Plot (5530MHz)



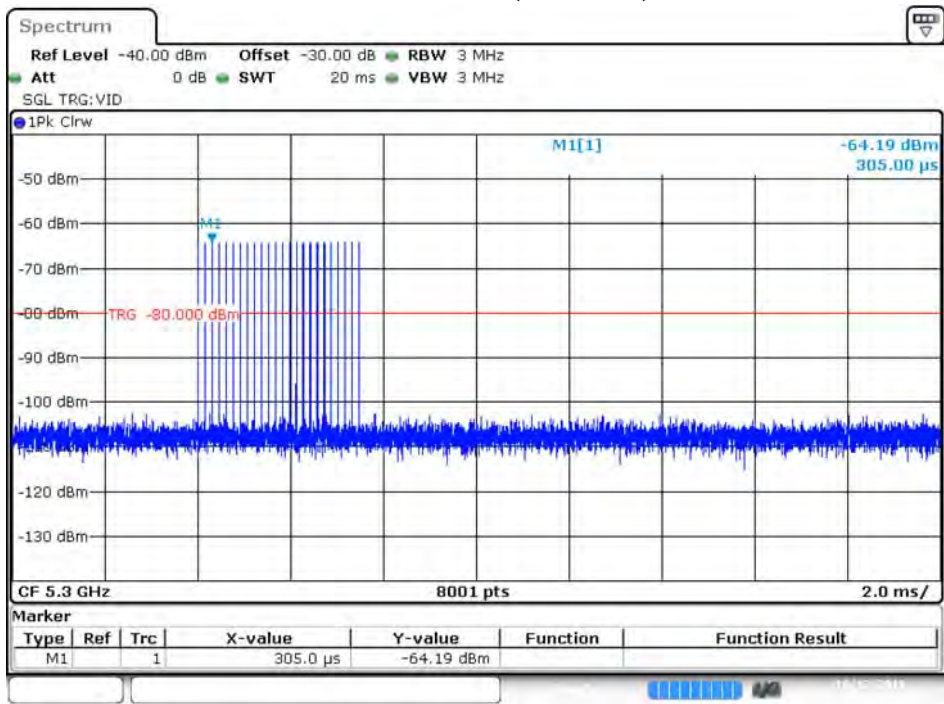
Date: 12 OCT.2018 17:32:33

Calibration Plot (5570MHz)



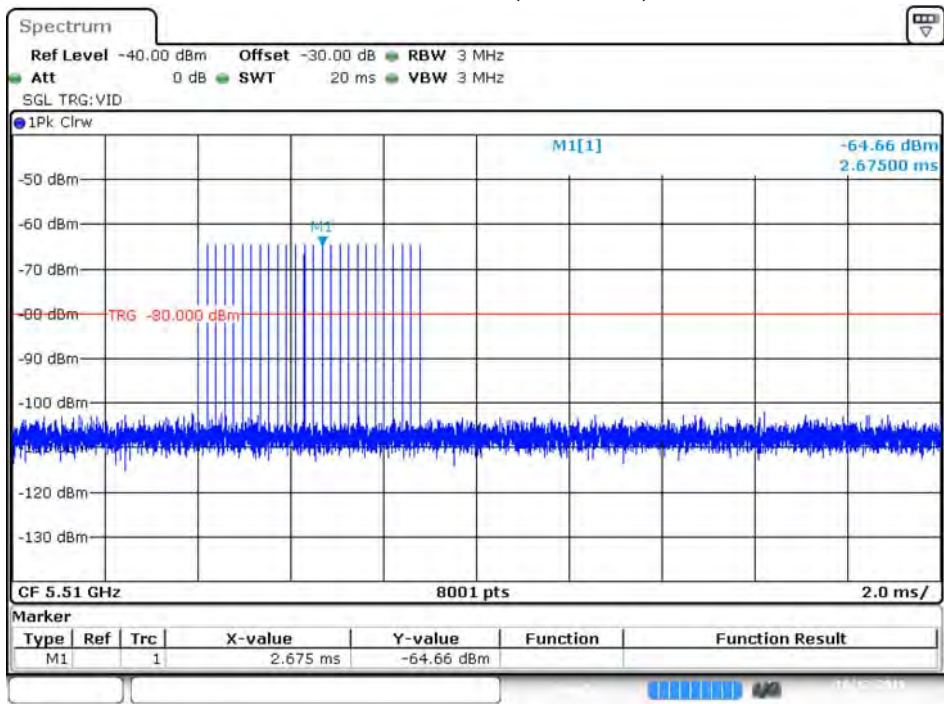
Date: 12 OCT.2018 17:33:26

Radar Type 2
Calibration Plot (5300MHz)



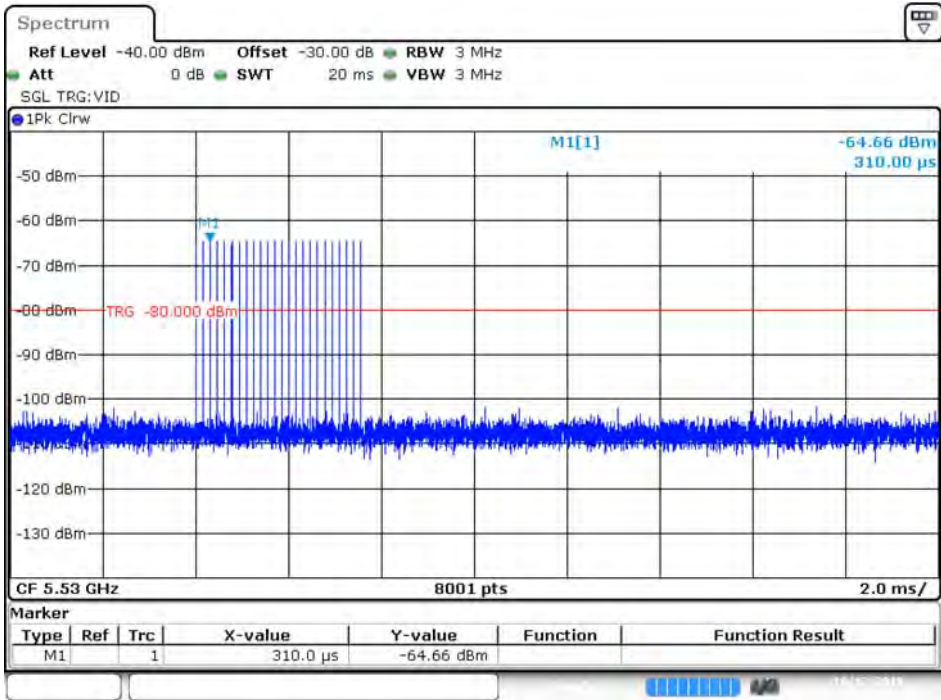
Date: 12.OCT.2018 17:37:56

Calibration Plot (5510MHz)



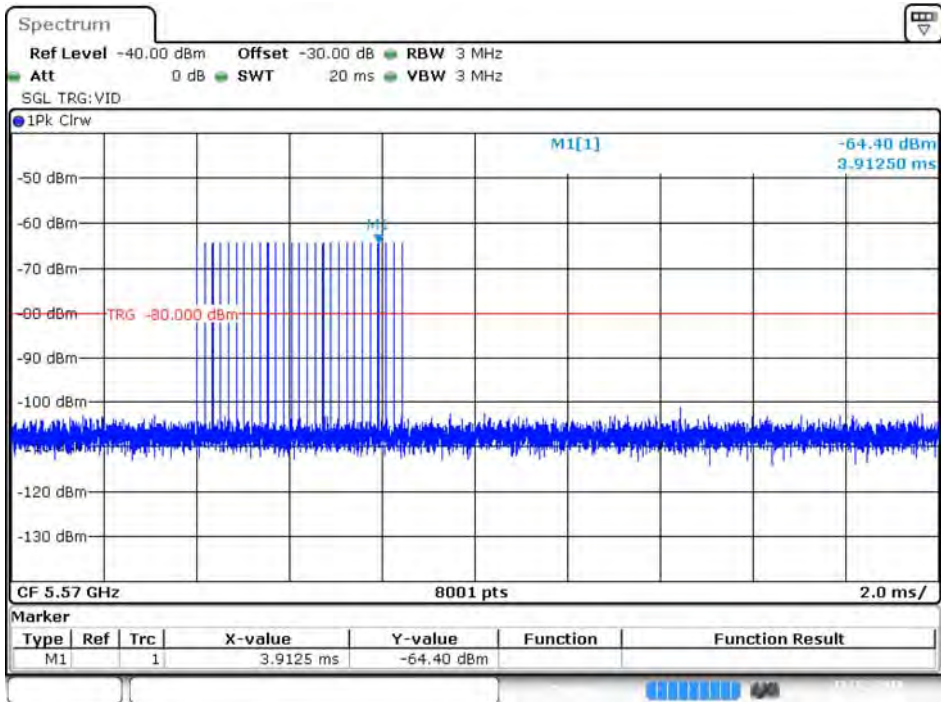
Date: 12.OCT.2018 17:37:28

Calibration Plot (5530MHz)



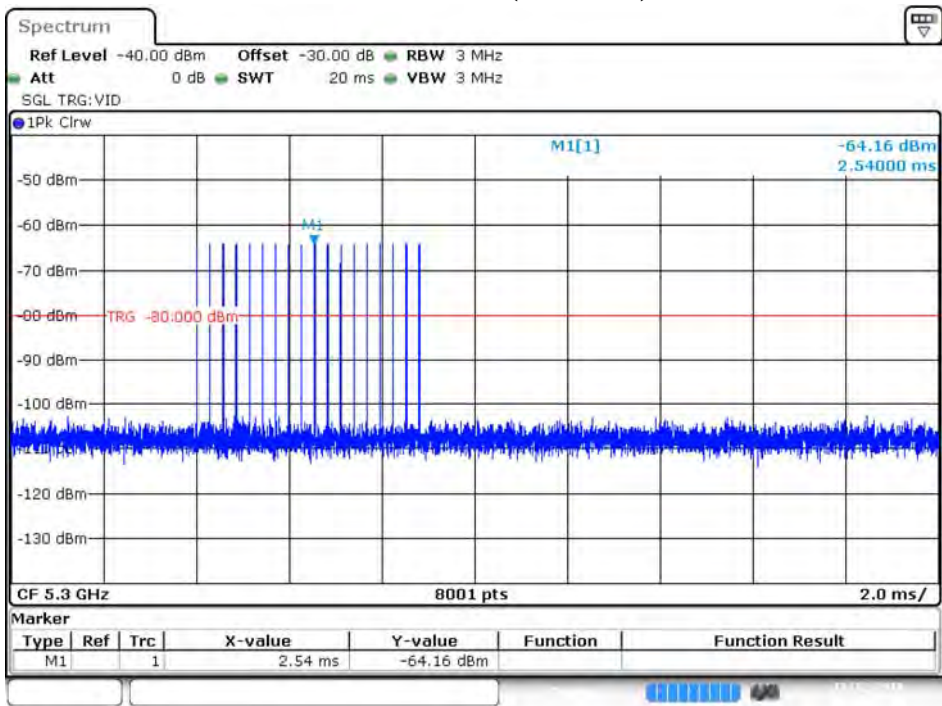
Date: 12.OCT.2018 17:37:02

Calibration Plot (5570MHz)



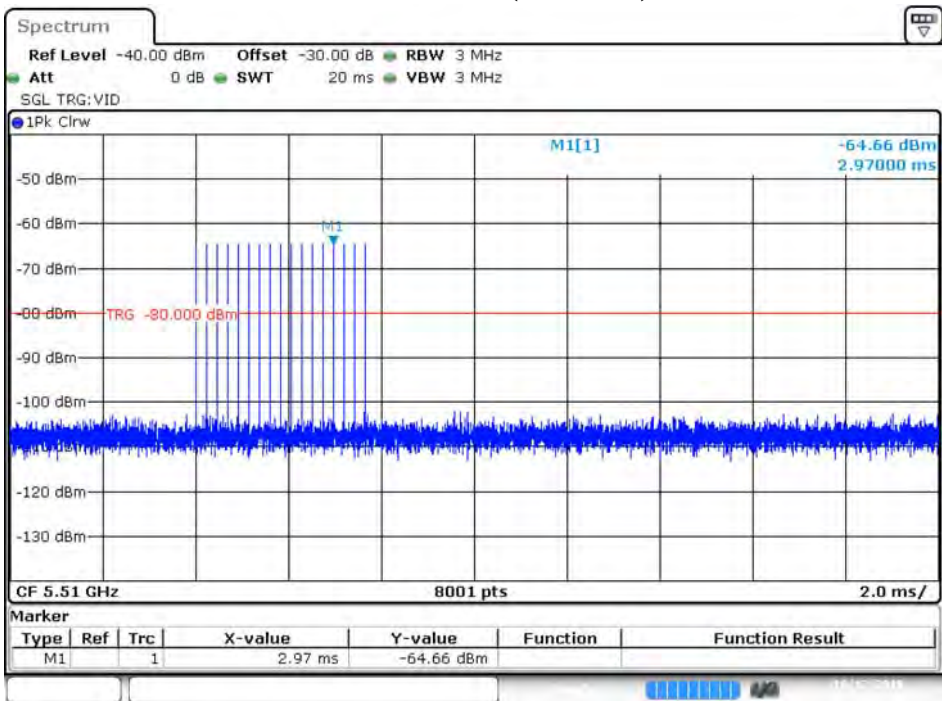
Date: 12.OCT.2018 17:36:34

Radar Type 3
Calibration Plot (5300MHz)



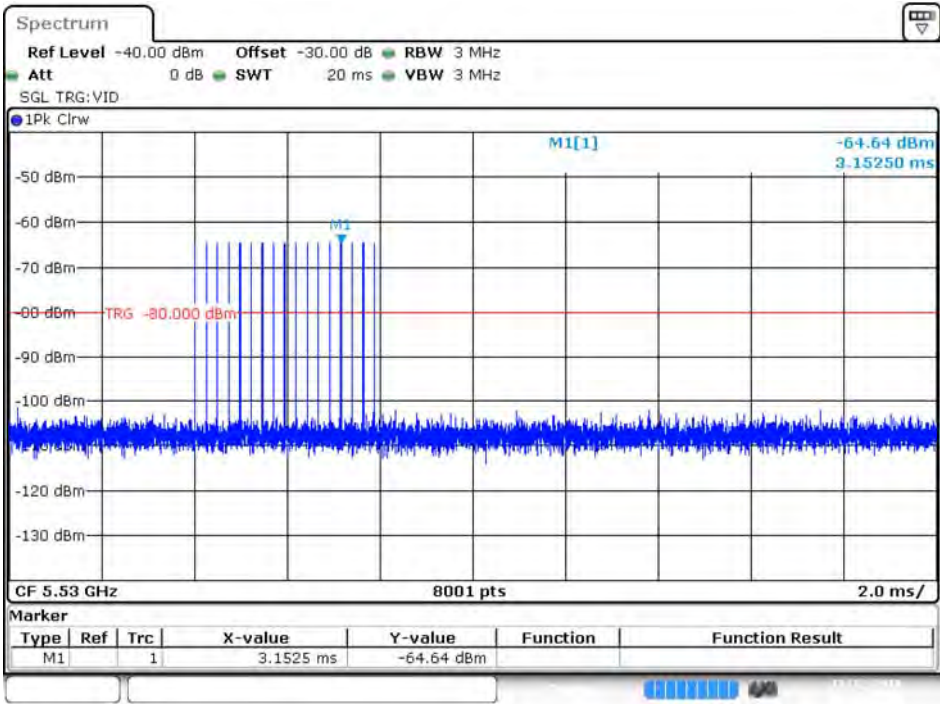
Date: 12.OCT.2018 17:38:19

Calibration Plot (5510MHz)



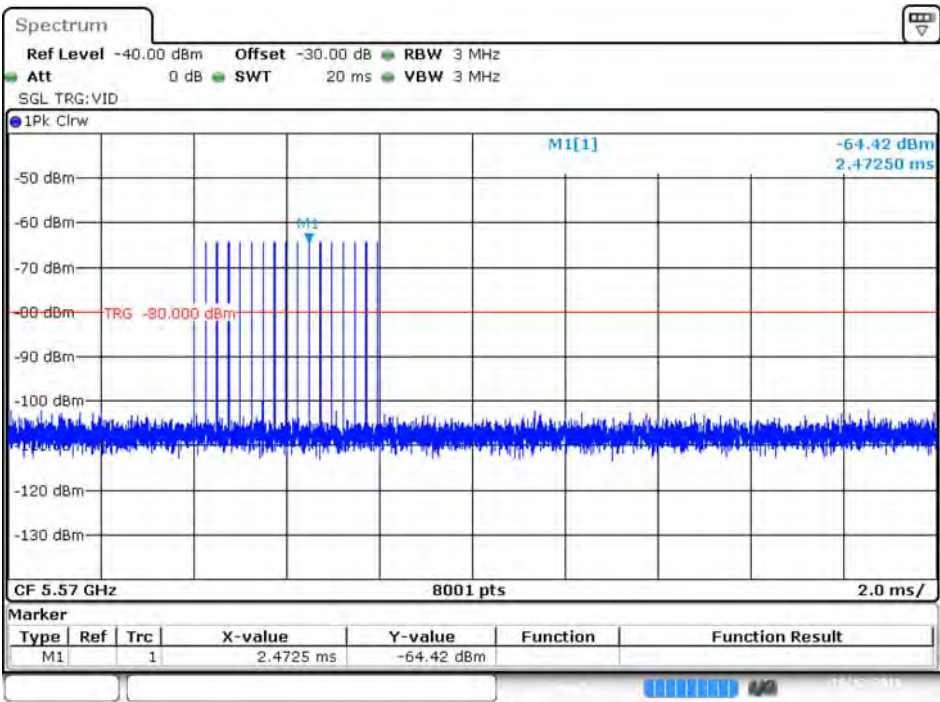
Date: 12.OCT.2018 17:39:44

Calibration Plot (5530MHz)



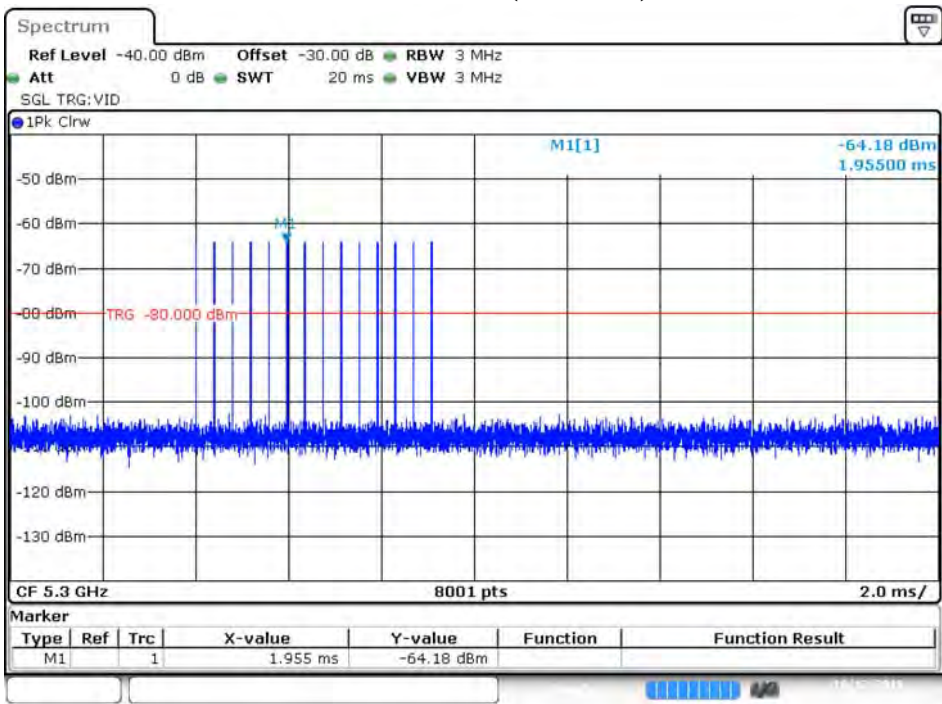
Date: 12.OCT.2018 17:40:26

Calibration Plot (5570MHz)



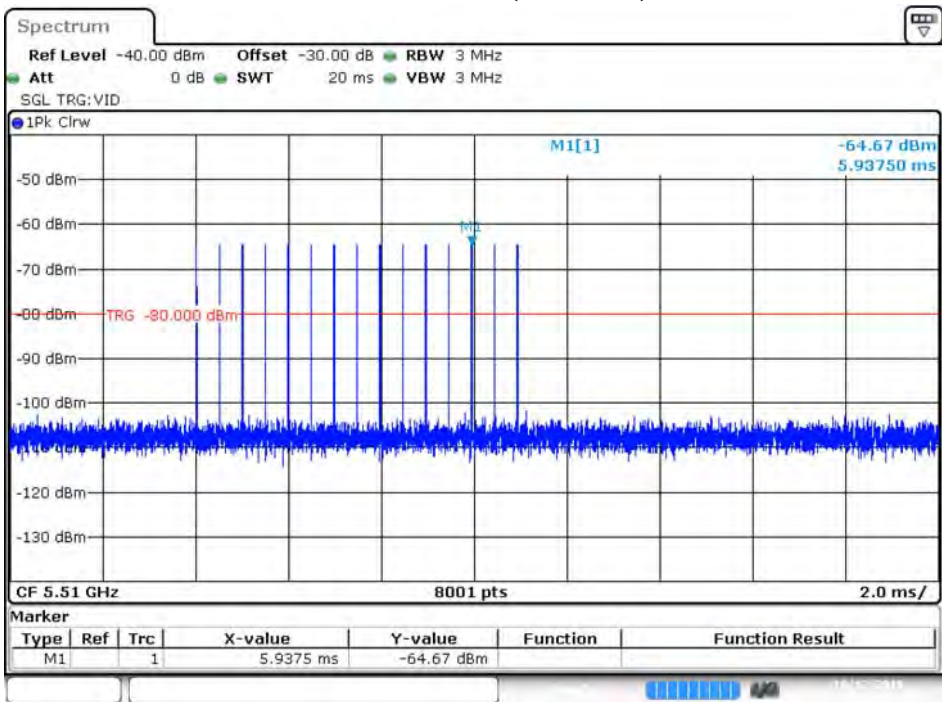
Date: 12.OCT.2018 17:40:58

Radar Type 4
Calibration Plot (5300MHz)



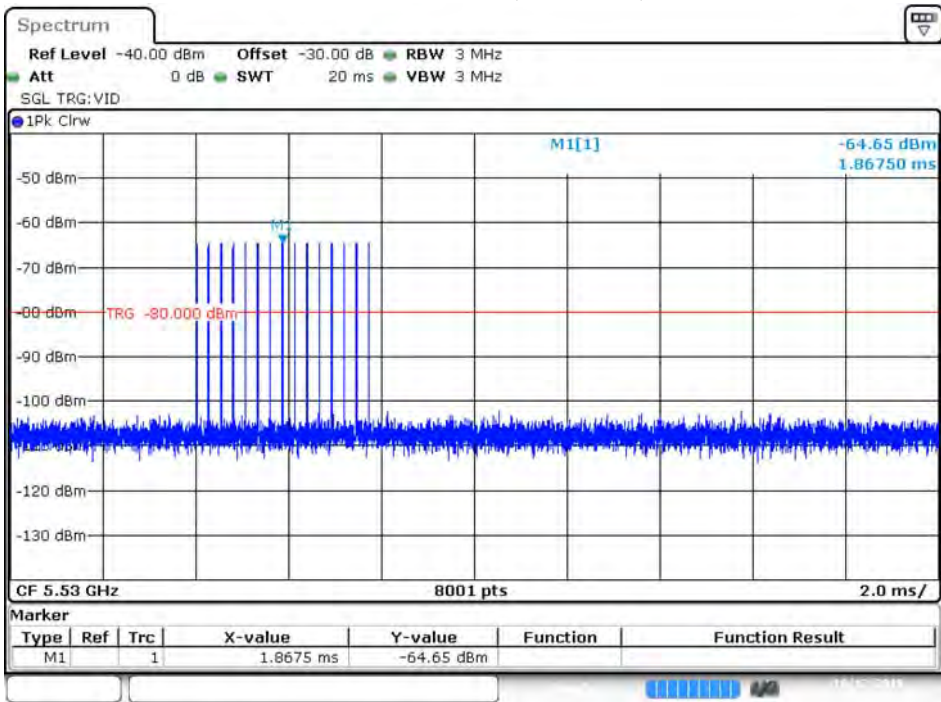
Date: 12.OCT.2018 17:43:20

Calibration Plot (5510MHz)



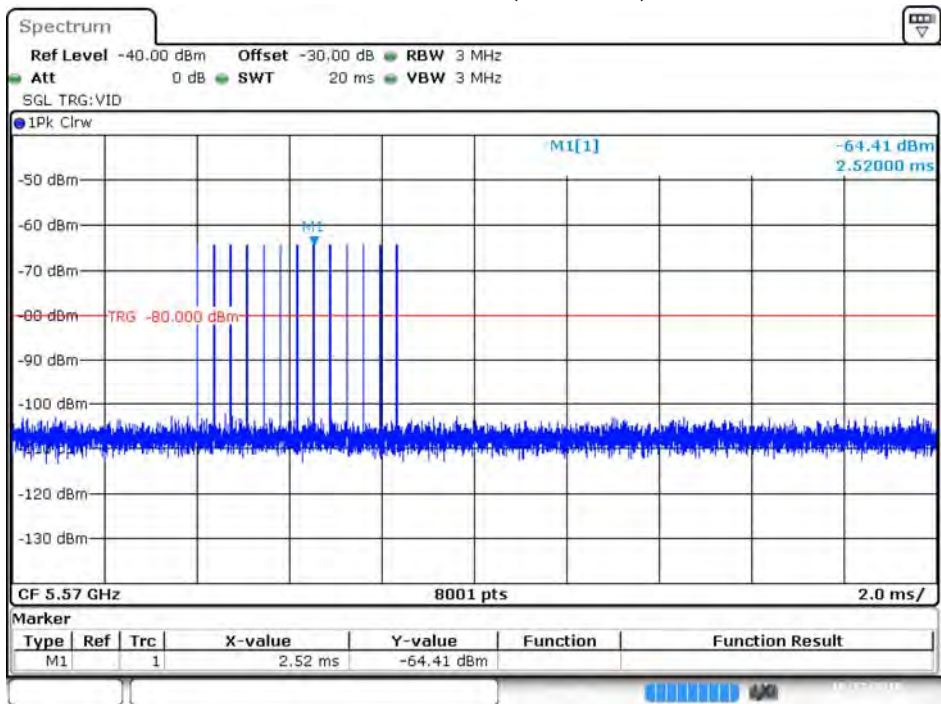
Date: 12.OCT.2018 17:42:54

Calibration Plot (5530MHz)



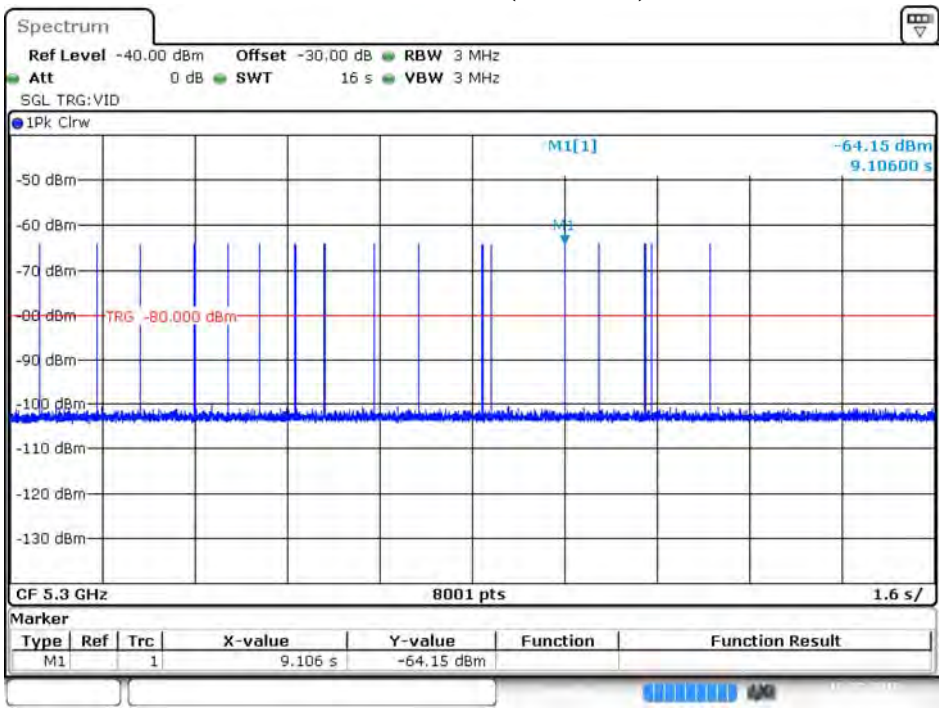
Date: 12.OCT.2018 17:42:25

Calibration Plot (5570MHz)



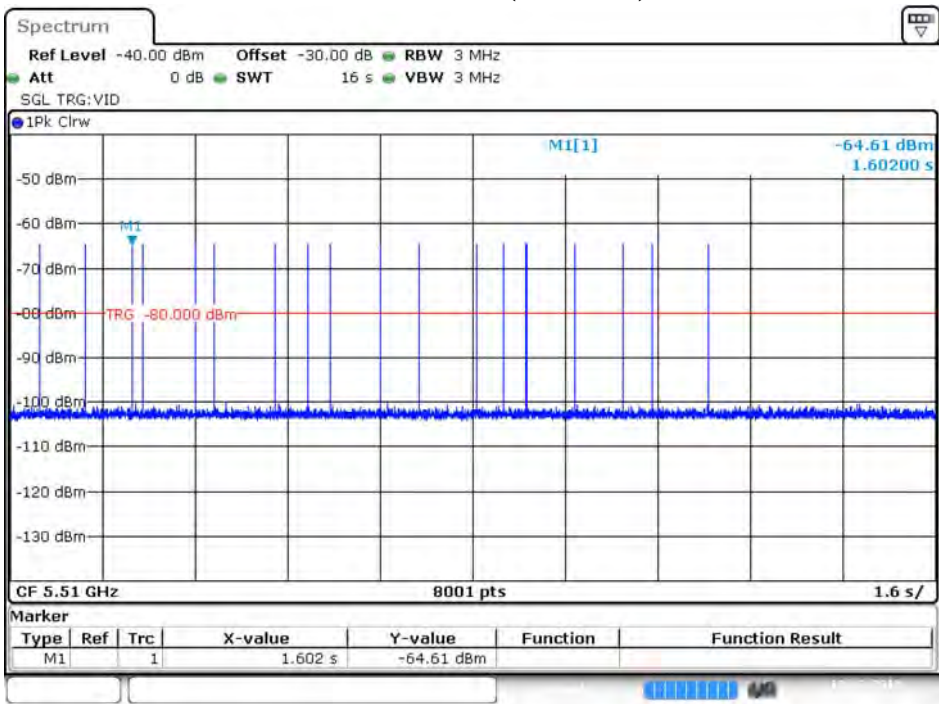
Date: 12.OCT.2018 17:41:22

Radar Type 5
Calibration Plot (5300MHz)



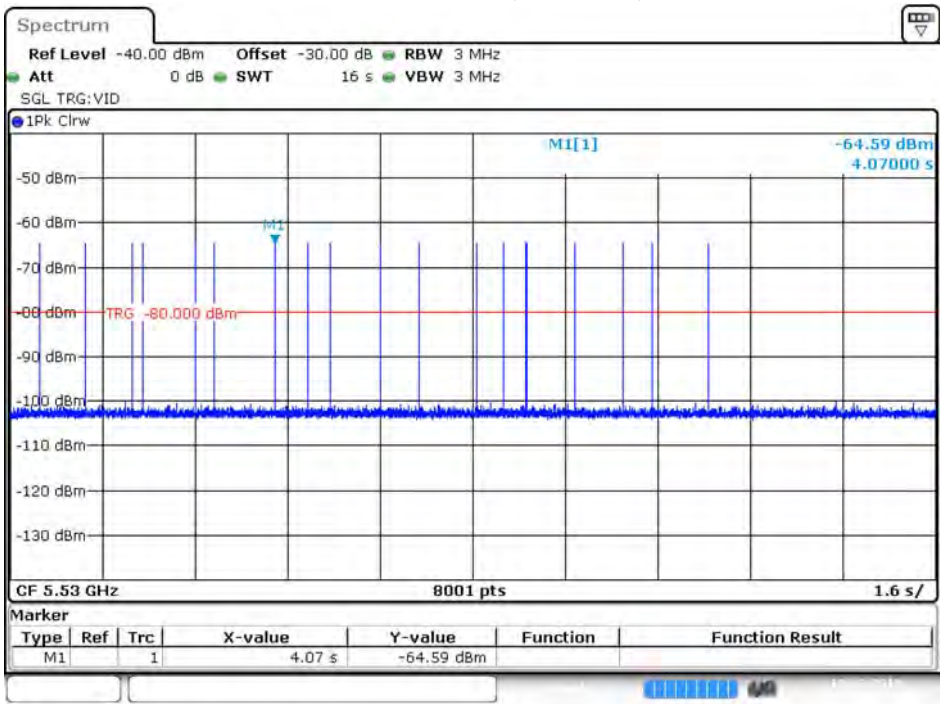
Date: 12.OCT.2018 17:48:34

Calibration Plot (5510MHz)



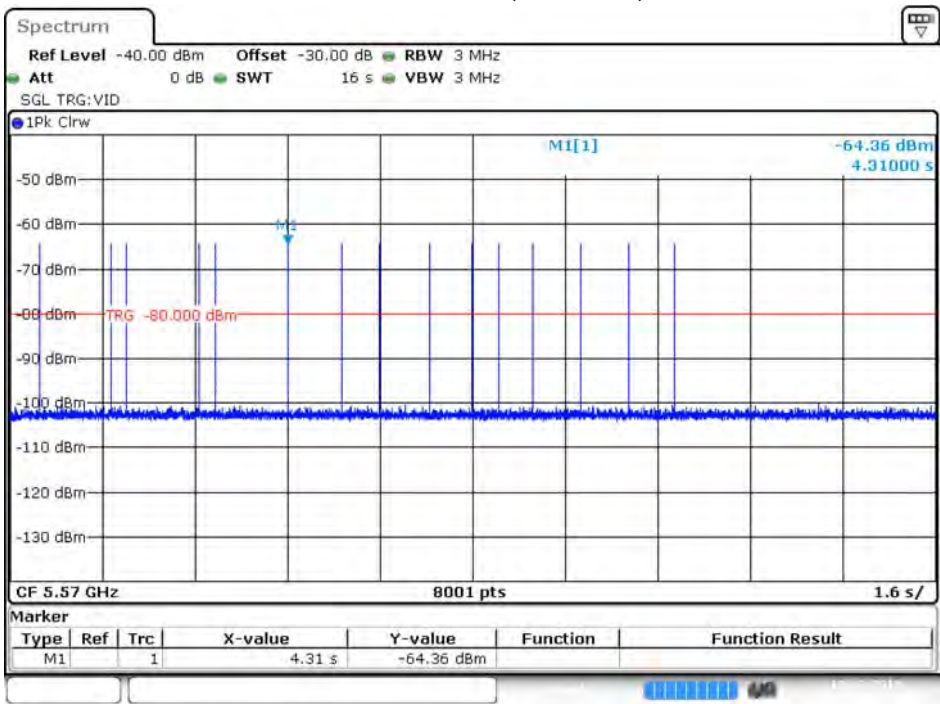
Date: 12.OCT.2018 17:49:25

Calibration Plot (5530MHz)



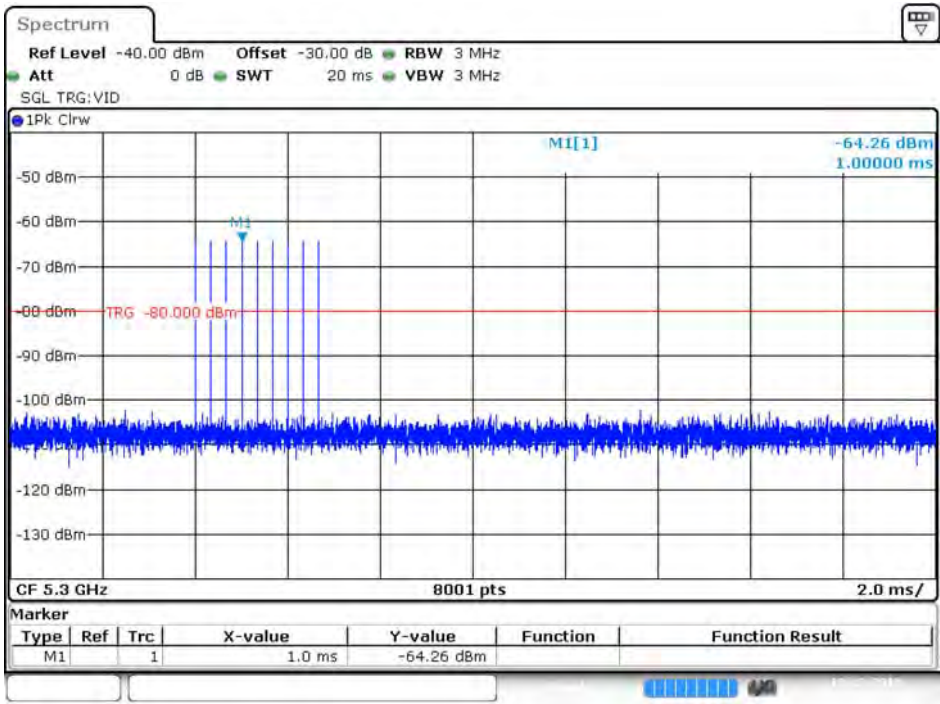
Date: 12.OCT.2018 17:50:17

Calibration Plot (5570MHz)



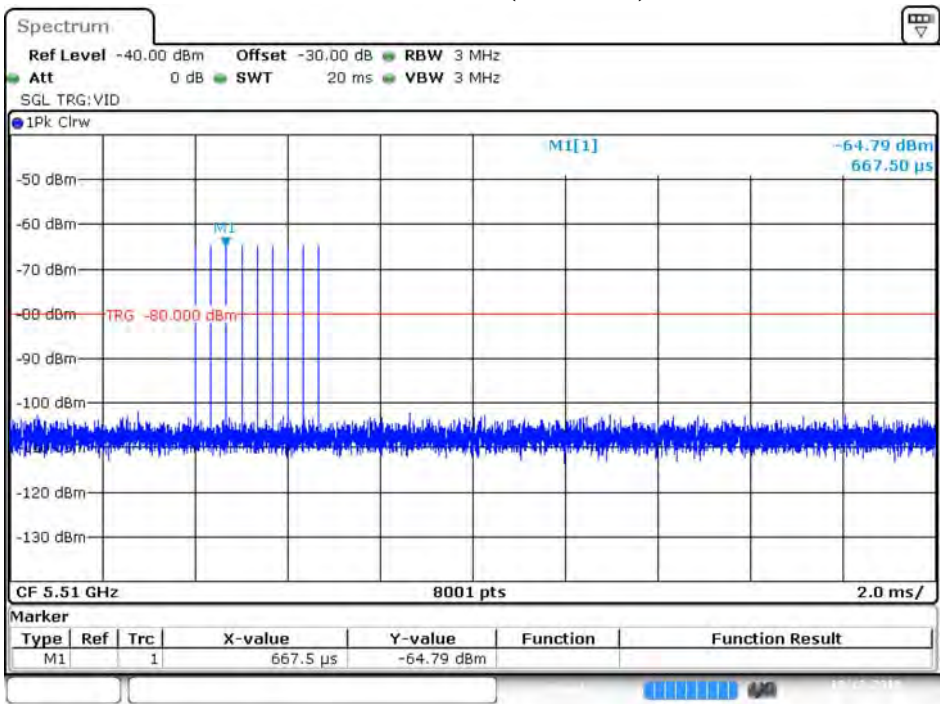
Date: 12.OCT.2018 17:50:57

Radar Type 6
Calibration Plot (5300MHz)



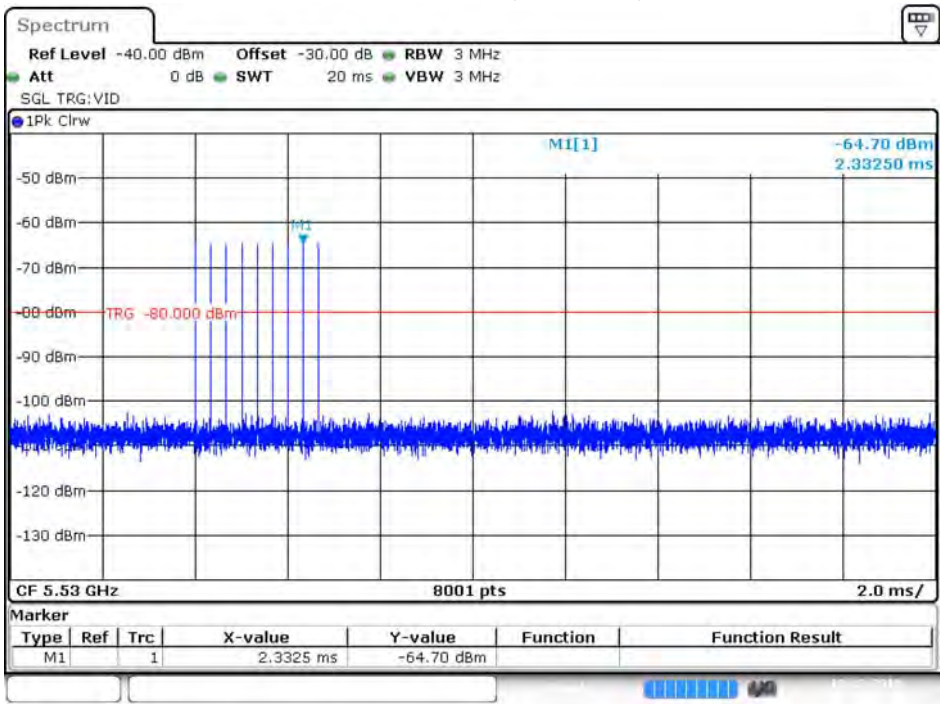
Date: 12.OCT.2018 17:46:34

Calibration Plot (5510MHz)



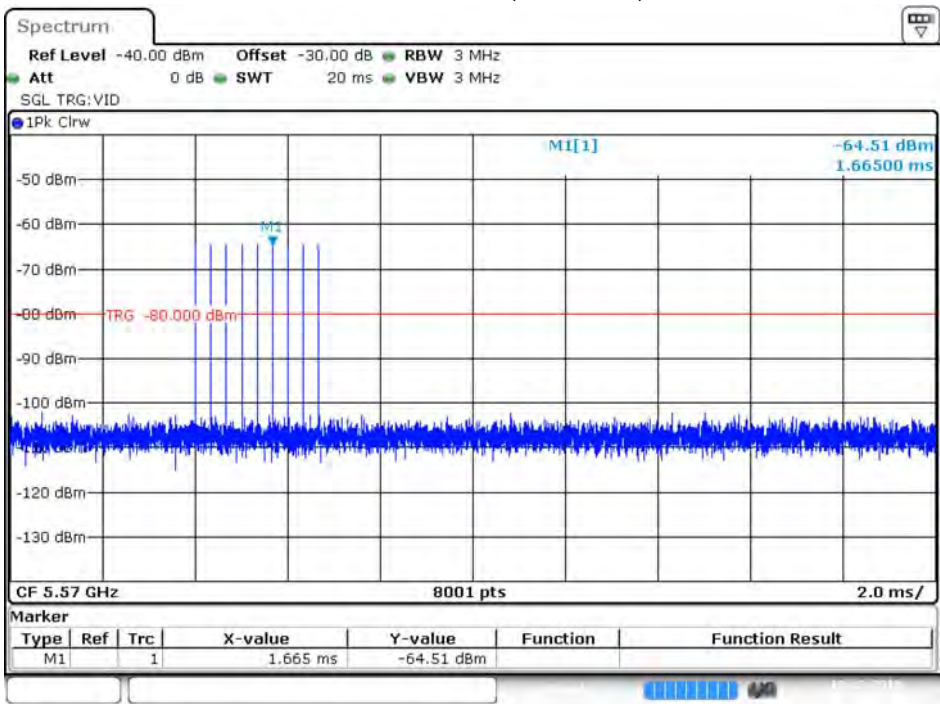
Date: 12.OCT.2018 17:44:35

Calibration Plot (5530MHz)



Date: 12.OCT.2018 17:45:38

Calibration Plot (5570MHz)



Date: 12.OCT.2018 17:46:07

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起無線功能，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。

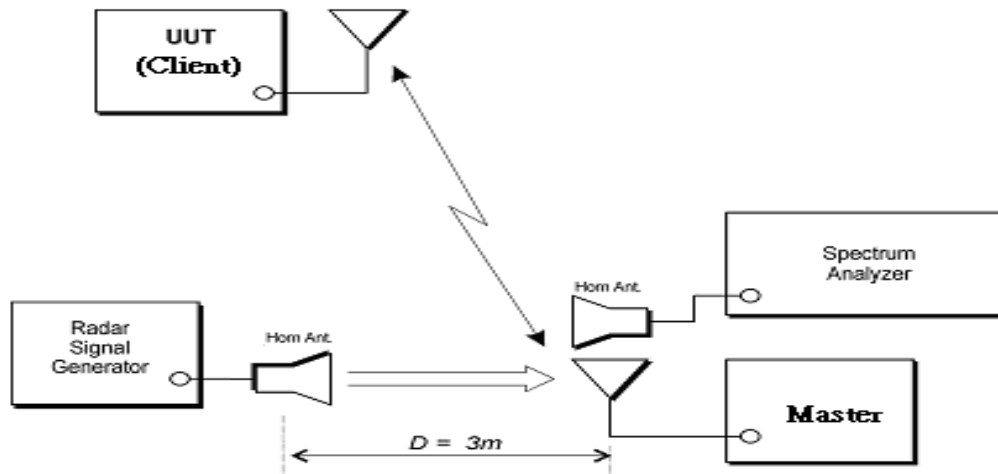
4.頻率移動時間及頻道關閉傳輸時間

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

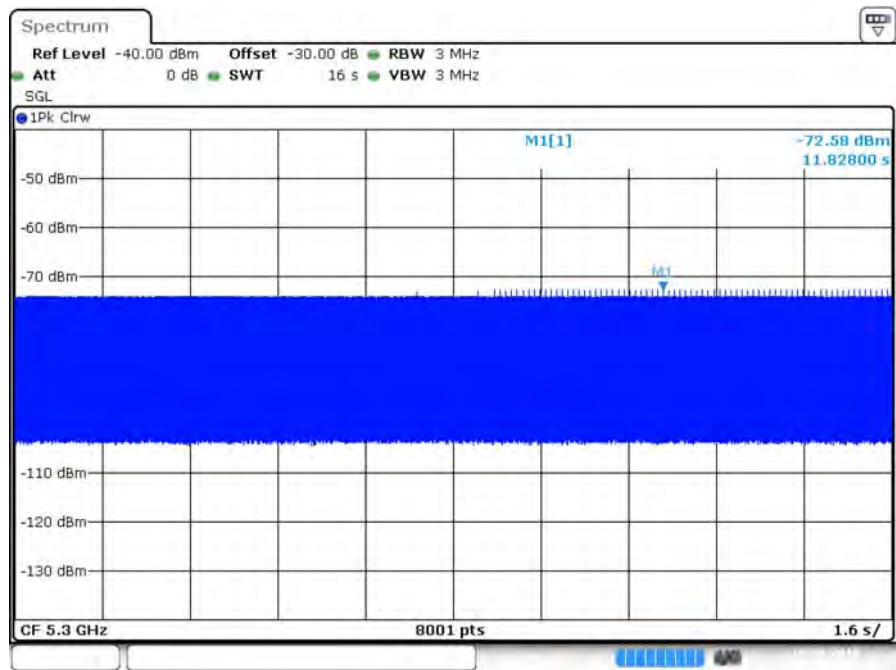
某一頻道已被頻道可用性檢查或”服務中”監視顯示含有雷達系統，至少須有 30 分鐘的不可佔用期間。不可佔用期間起始於偵測到雷達系統的當時。

3.4. 測試架構圖

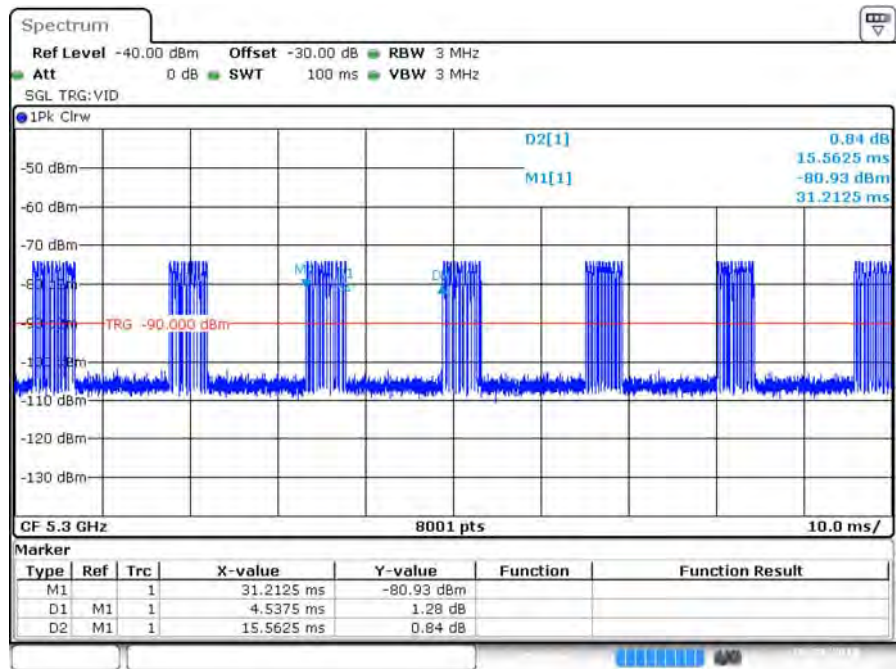


3.5. 連線負載與位準

Plot of WLAN Traffic at 5300MHz-802.11a (ETH6)



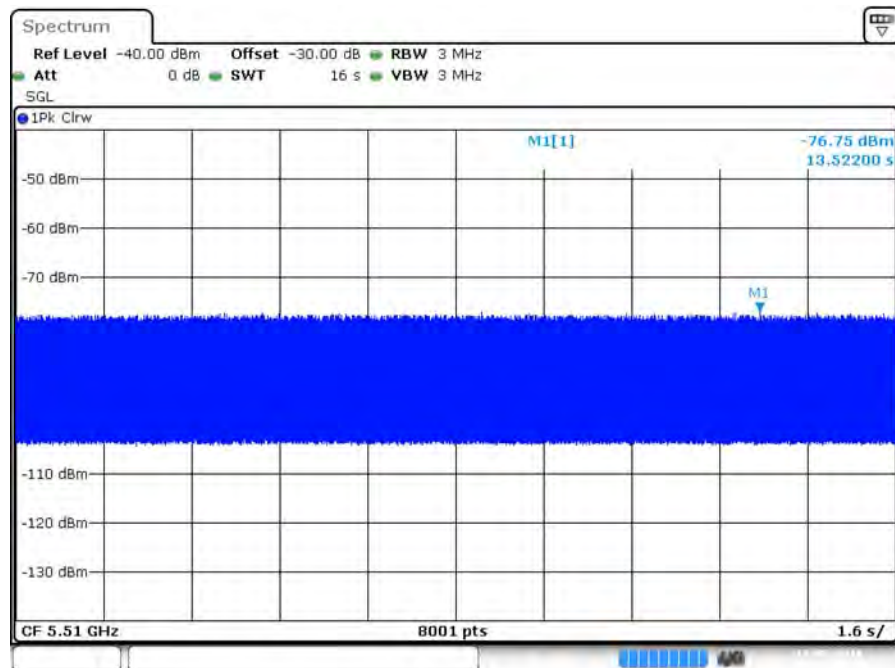
Date: 8.OCT.2018 15:26:04



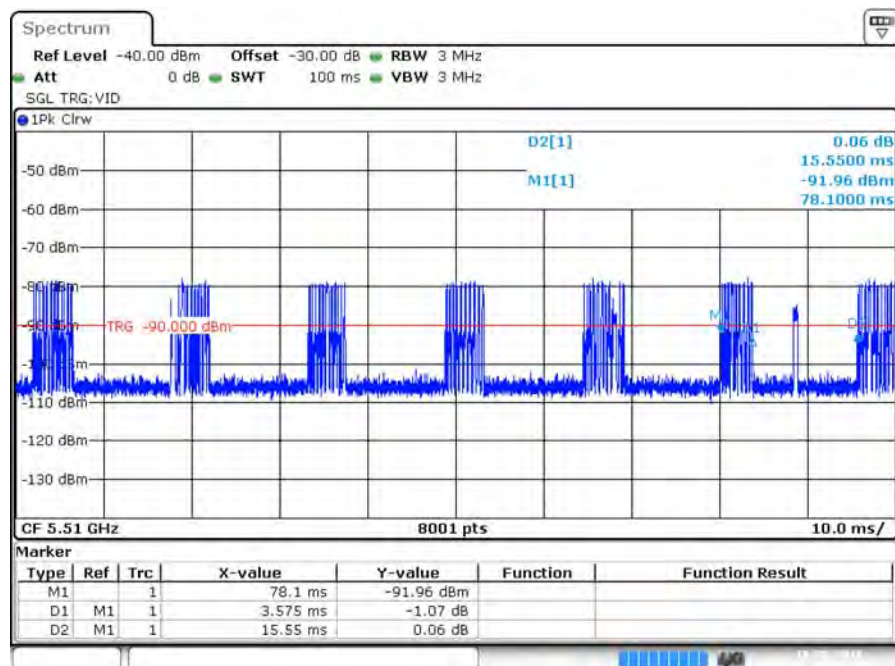
Date: 8.OCT.2018 15:22:52

Channel loading	Requirement loading
31.7625%	>17%

Plot of WLAN Traffic at 5510MHz-802.11ac 40BW (ETH6)



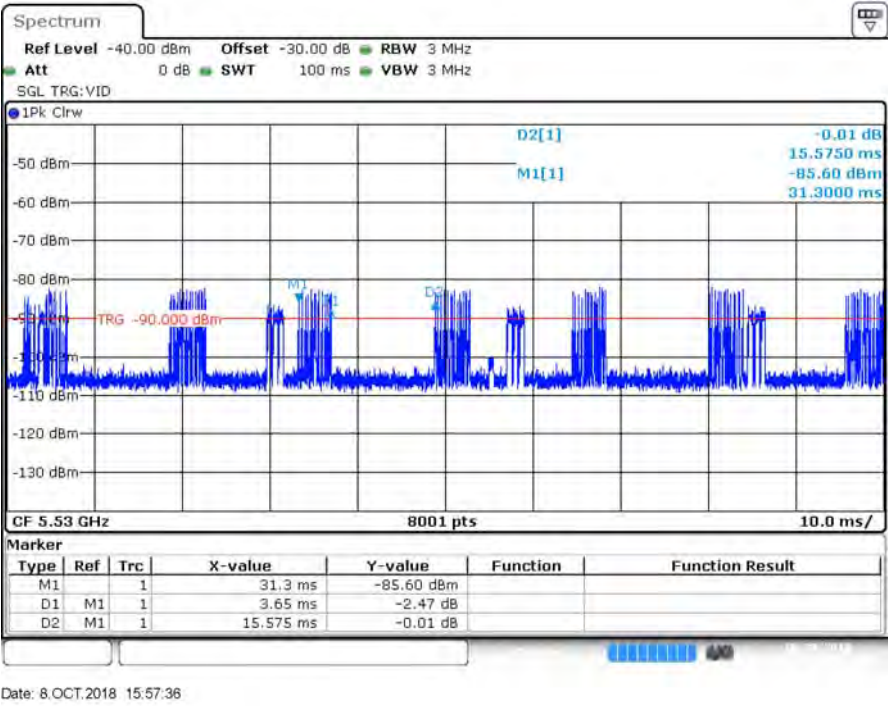
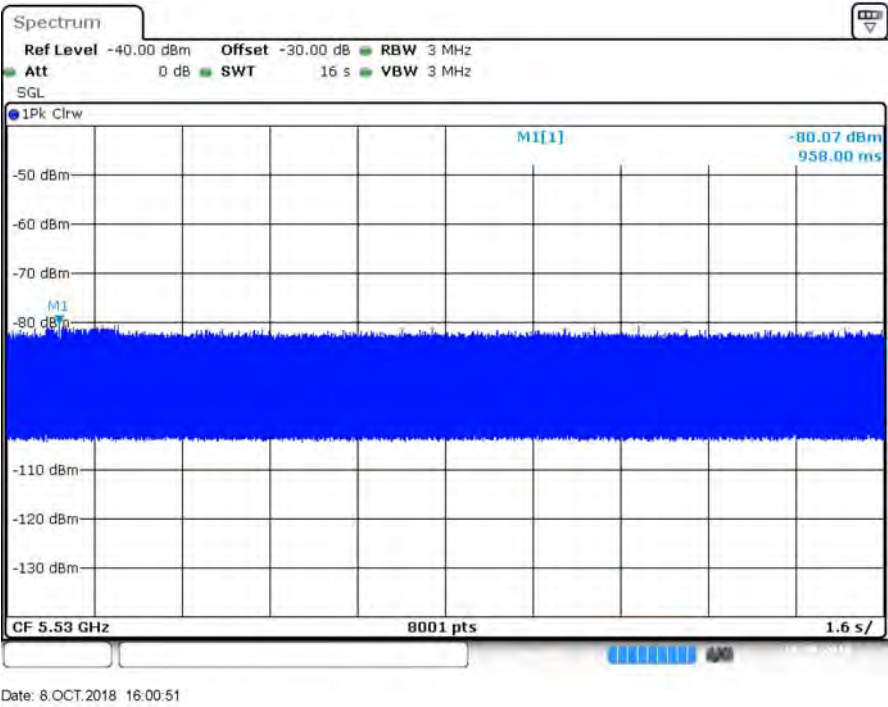
Date: 8.OCT.2018 15:32:33



Date: 8.OCT.2018 15:35:12

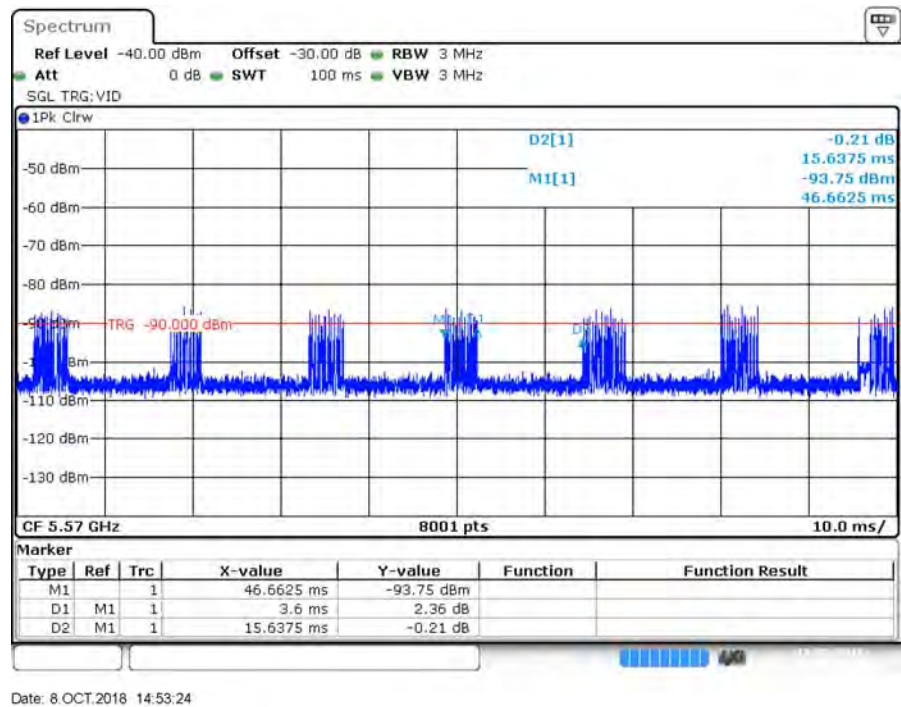
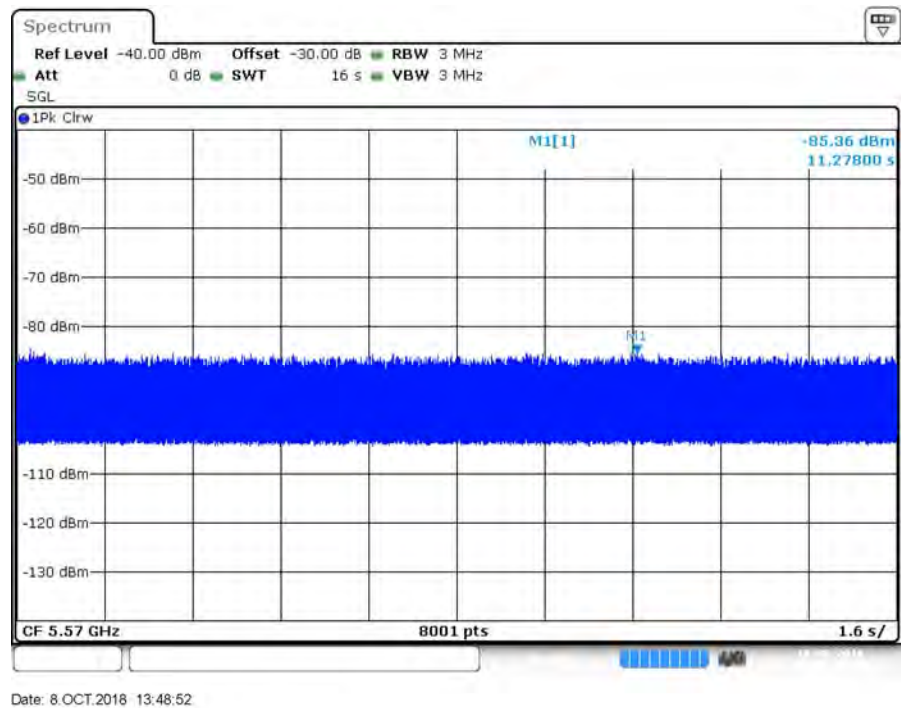
Channel loading	Requirement loading
25.025%	>17%

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



Channel loading	Requirement loading
25.55%	>17%

Plot of WLAN Traffic at 5570MHz -802.11ac 160BW (ETH6)



Channel loading	Requirement loading
25.2%	>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：Wireless Access point

待測物型號：AP510C

測試項目：UNII 99% occupied bandwidth

檢測器：峰值

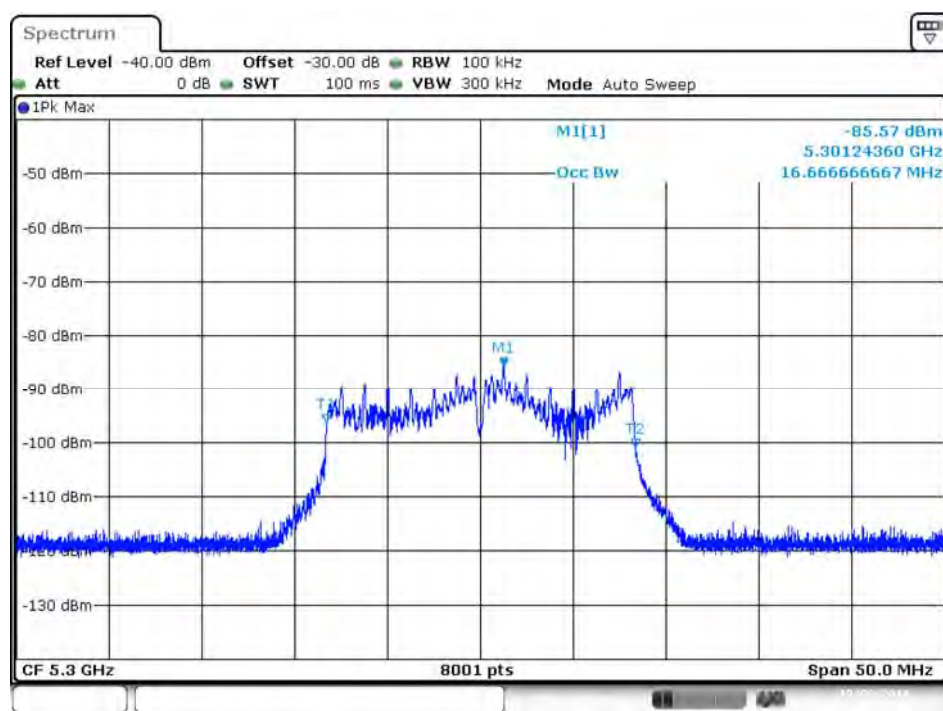
環境溫度：26 °C

測試日期：107 年 10 月 08 日

環境濕度：58 %

測試模式：Mode 1: 802.11a (ETH6)

802.11a



Date: 8.OCT.2018 15:14:57

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：UNII 99% occupied bandwidth

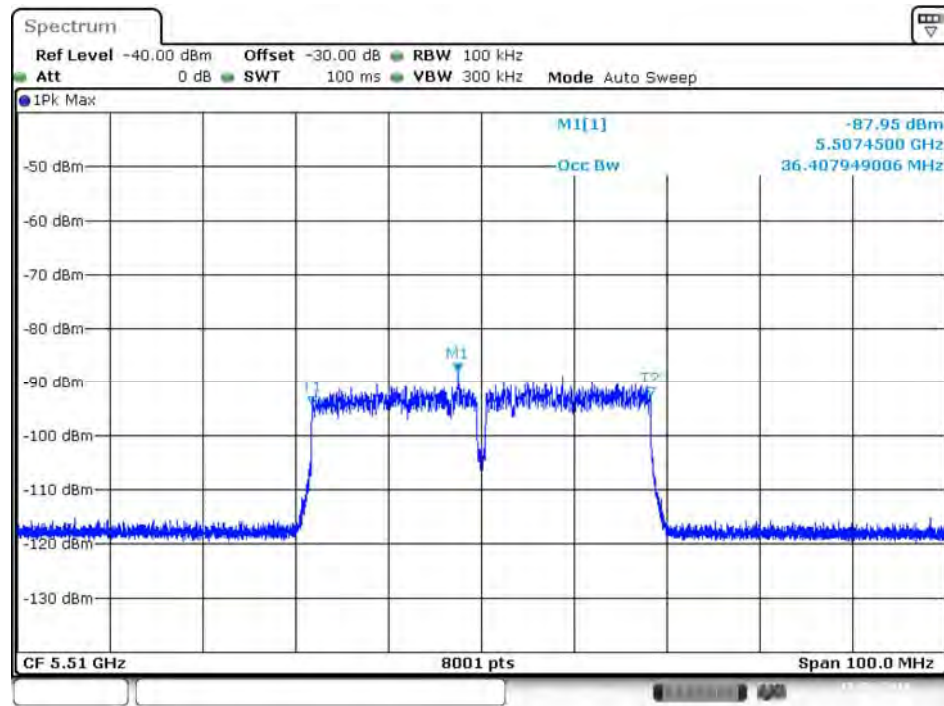
檢 測 器：峰值

環 境 溫 度：26 °C

測試日期：107 年 10 月 08 日

環 境 濕 度：58 %

測試模式：Mode 3: 802.11ac-40MHz BW (ETH6)

802.11ac 40BW

Date: 8.OCT.2018 15:46:43

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：UNII 99% occupied bandwidth

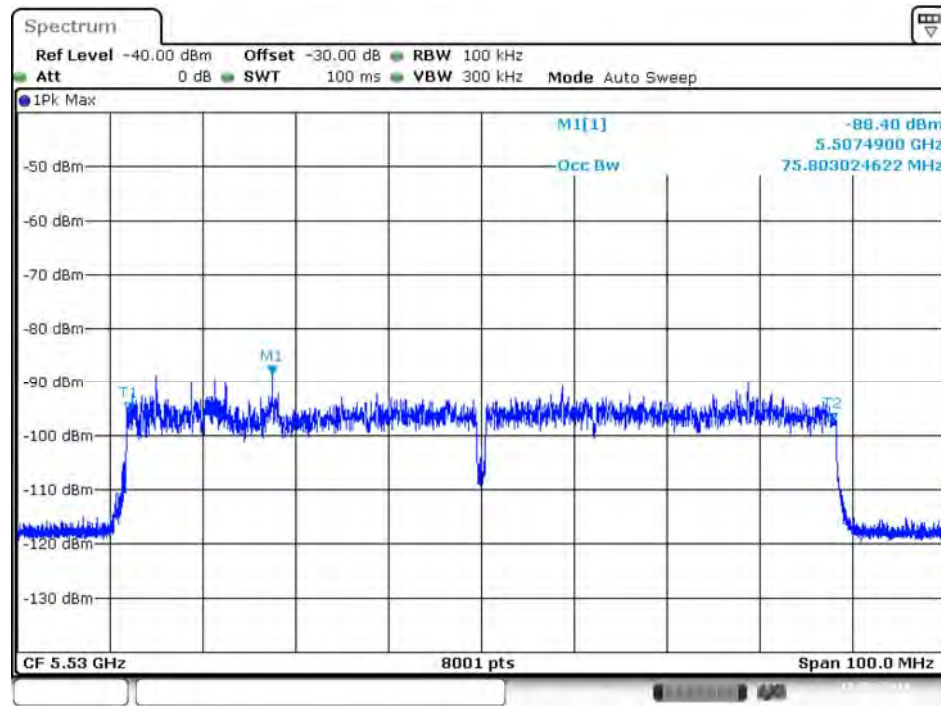
檢 測 器：峰值

環 境 溫 度：26 °C

測試日期：107 年 10 月 08 日

環 境 濕 度：58 %

測試模式：Mode 4: 802.11ac-80MHz BW (ETH6)

802.11ac 80BW

Date: 8.OCT.2018 15:53:13

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：UNII 99% occupied bandwidth

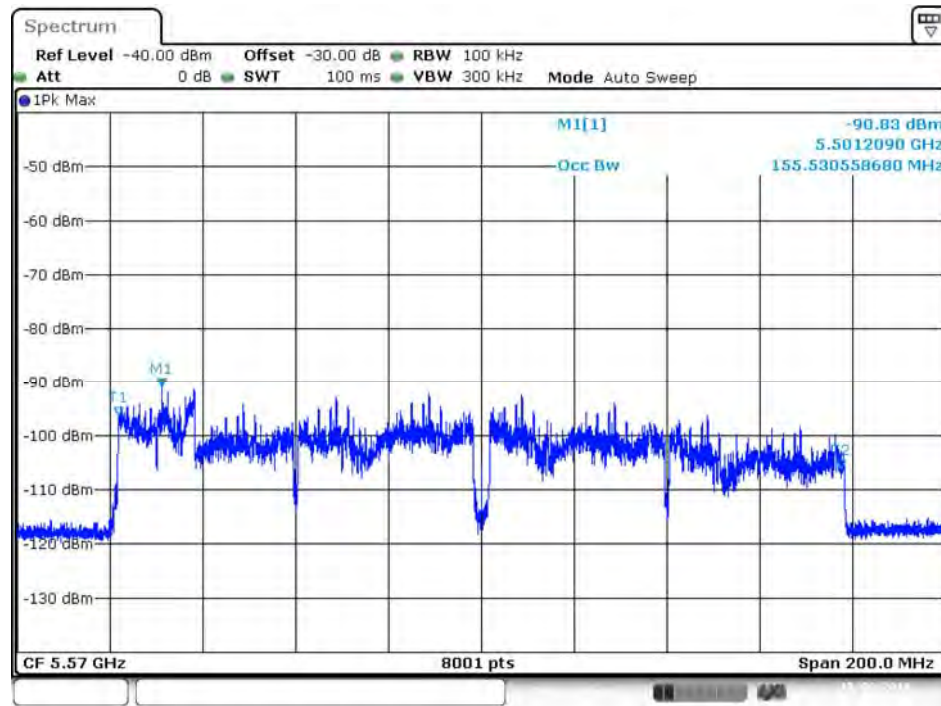
檢 測 器：峰值

環境溫度：26 °C

測試日期：107 年 10 月 08 日

環境濕度：58 %

測試模式：Mode 5: 802.11ac-160MHz BW (ETH6)

802.11ac 160BW

Date: 8.OCT.2018 14:58:56

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：UNII Detection bandwidth

檢測器：峰值

環境溫度：26 °C

測試日期：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 2:802.11ac-20MHz BW

Test Channel: 5300MHz											
Radar Frequency (MHz)	DFS Detection Trials (1= Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5290 (FL)	1	1	1	1	1	1	1	1	1	1	100
5291	1	1	1	1	1	1	1	1	1	1	100
5292	1	1	1	1	1	1	1	1	1	1	100
5293	1	1	1	1	1	1	1	1	1	1	100
5294	1	1	1	1	1	1	1	1	1	1	100
5295	1	1	1	1	1	1	1	1	1	1	100
5296	1	1	1	1	1	1	1	1	1	1	100
5297	1	1	1	1	1	1	1	1	1	1	100
5298	1	1	1	1	1	1	1	1	1	1	100
5299	1	1	1	1	1	1	1	1	1	1	100
5300	1	1	1	1	1	1	1	1	1	1	100
5301	1	1	1	1	1	1	1	1	1	1	100
5302	1	1	1	1	1	1	1	1	1	1	100
5303	1	1	1	1	1	1	1	1	1	1	100
5304	1	1	1	1	1	1	1	1	1	1	100
5305	1	1	1	1	1	1	1	1	1	1	100
5306	1	1	1	1	1	1	1	1	1	1	100
5307	1	1	1	1	1	1	1	1	1	1	100
5308	1	1	1	1	1	1	1	1	1	1	100
5309	1	1	1	1	1	1	1	1	1	1	100
5310 (FH)	1	1	1	1	1	1	1	1	1	1	100
Detection Bandwidth = FH - FL = 5310MHz - 5290MHz = 20MHz											
EUT 99% Bandwidth = 16.6667MHz											
UNII Detection Bandwidth Min. Limit = 16.6667MHz * 100% =16.6667MHz											

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：UNII Detection bandwidth

檢測器：峰值

環境溫度：26 °C

測試日期：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 3: 802.11ac-40MHz BW

Test Channel: 5510MHz											
Radar Frequency (MHz)	DFS Detection Trials (1= Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
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
Detection Bandwidth = FH - FL = 5530MHz - 5490MHz = 40MHz											
EUT 99% Bandwidth = 36.4079MHz											
UNII Detection Bandwidth Min. Limit = 36.4079MHz * 100% =36.4079MHz											

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：UNII Detection bandwidth

檢測器：峰值

環境溫度：26 °C

測試日期：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 4: 802.11ac-80MHz BW

Test Channel: 5530MHz											
Radar Frequency (MHz)	DFS Detection Trials (1= Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
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	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
5551	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
Detection Bandwidth = FH - FL = 5570MHz - 5490MHz = 80MHz											
EUT 99% Bandwidth = 75.803MHz											
UNII Detection Bandwidth Min. Limit = 75.803MHz X 100% =75.803MHz											

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：UNII Detection bandwidth

檢測器：峰值

環境溫度：26 °C

測試日期：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 5: 802.11ac-160MHz BW

Test Channel: 5570MHz											
Radar Frequency (MHz)	DFS Detection Trials (1= Detection, 0= No Detection)										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5490	0	0	0	0	0	0	0	0	0	0	0
5491	0	0	0	0	0	0	0	0	0	0	0
5492 (FL)	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
5551	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	1	1	1	1	1	1	1	1	1	1	100
5571	1	1	1	1	1	1	1	1	1	1	100
5572	1	1	1	1	1	1	1	1	1	1	100
5573	1	1	1	1	1	1	1	1	1	1	100
5574	1	1	1	1	1	1	1	1	1	1	100
5575	1	1	1	1	1	1	1	1	1	1	100
5576	1	1	1	1	1	1	1	1	1	1	100
5577	1	1	1	1	1	1	1	1	1	1	100
5578	1	1	1	1	1	1	1	1	1	1	100
5579	1	1	1	1	1	1	1	1	1	1	100
5580	1	1	1	1	1	1	1	1	1	1	100
5581	1	1	1	1	1	1	1	1	1	1	100
5582	1	1	1	1	1	1	1	1	1	1	100
5583	1	1	1	1	1	1	1	1	1	1	100
5584	1	1	1	1	1	1	1	1	1	1	100

5585	1	1	1	1	1	1	1	1	1	1	100
5586	1	1	1	1	1	1	1	1	1	1	100
5587	1	1	1	1	1	1	1	1	1	1	100
5588	1	1	1	1	1	1	1	1	1	1	100
5589	1	1	1	1	1	1	1	1	1	1	100
5590	1	1	1	1	1	1	1	1	1	1	100
5591	1	1	1	1	1	1	1	1	1	1	100
5592	1	1	1	1	1	1	1	1	1	1	100
5593	1	1	1	1	1	1	1	1	1	1	100
5594	1	1	1	1	1	1	1	1	1	1	100
5595	1	1	1	1	1	1	1	1	1	1	100
5596	1	1	1	1	1	1	1	1	1	1	100
5597	1	1	1	1	1	1	1	1	1	1	100
5598	1	1	1	1	1	1	1	1	1	1	100
5599	1	1	1	1	1	1	1	1	1	1	100
5600	1	1	1	1	1	1	1	1	1	1	100
5601	1	1	1	1	1	1	1	1	1	1	100
5602	1	1	1	1	1	1	1	1	1	1	100
5603	1	1	1	1	1	1	1	1	1	1	100
5604	1	1	1	1	1	1	1	1	1	1	100
5605	1	1	1	1	1	1	1	1	1	1	100
5606	1	1	1	1	1	1	1	1	1	1	100
5607	1	1	1	1	1	1	1	1	1	1	100
5608	1	1	1	1	1	1	1	1	1	1	100
5609	1	1	1	1	1	1	1	1	1	1	100
5610	1	1	1	1	1	1	1	1	1	1	100
5611	1	1	1	1	1	1	1	1	1	1	100
5612	1	1	1	1	1	1	1	1	1	1	100
5613	1	1	1	1	1	1	1	1	1	1	100
5614	1	1	1	1	1	1	1	1	1	1	100
5615	1	1	1	1	1	1	1	1	1	1	100
5616	1	1	1	1	1	1	1	1	1	1	100
5617	1	1	1	1	1	1	1	1	1	1	100
5618	1	1	1	1	1	1	1	1	1	1	100

5619	1	1	1	1	1	1	1	1	1	1	100
5620	1	1	1	1	1	1	1	1	1	1	100
5621	1	1	1	1	1	1	1	1	1	1	100
5622	1	1	1	1	1	1	1	1	1	1	100
5623	1	1	1	1	1	1	1	1	1	1	100
5624	1	1	1	1	1	1	1	1	1	1	100
5625	1	1	1	1	1	1	1	1	1	1	100
5626	1	1	1	1	1	1	1	1	1	1	100
5627	1	1	1	1	1	1	1	1	1	1	100
5628	1	1	1	1	1	1	1	1	1	1	100
5629	1	1	1	1	1	1	1	1	1	1	100
5630	1	1	1	1	1	1	1	1	1	1	100
5631	1	1	1	1	1	1	1	1	1	1	100
5632	1	1	1	1	1	1	1	1	1	1	100
5633	1	1	1	1	1	1	1	1	1	1	100
5634	1	1	1	1	1	1	1	1	1	1	100
5635	1	1	1	1	1	1	1	1	1	1	100
5636	1	1	1	1	1	1	1	1	1	1	100
5637	1	1	1	1	1	1	1	1	1	1	100
5638	1	1	1	1	1	1	1	1	1	1	100
5639	1	1	1	1	1	1	1	1	1	1	100
5640	1	1	1	1	1	1	1	1	1	1	100
5641	1	1	1	1	1	1	1	1	1	1	100
5642	1	1	1	1	1	1	1	1	1	1	100
5643	1	1	1	1	1	1	1	1	1	1	100
5644	1	1	1	1	1	1	1	1	1	1	100
5645	1	1	1	1	1	1	1	1	1	1	100
5646	1	1	1	1	1	1	1	1	1	1	100
5647	1	1	1	1	1	1	1	1	1	1	100
5648 (FH)	1	1	1	1	1	1	1	1	1	1	100
5649	0	0	0	0	0	0	0	0	0	0	0
5650	0	0	0	0	0	0	0	0	0	0	0
Detection Bandwidth = FH - FL = 5648MHz - 5492MHz = 156MHz											
EUT 99% Bandwidth = 155.5305MHz											
UNII Detection Bandwidth Min. Limit = 155.5305MHz X 100% =155.5305MHz											

3.8. DFS 偵測門檻值量測結果

待測物名稱：Wireless Access point

待測物型號：AP510C

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：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 2:802.11ac-20MHz BW

Type 1

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	1	678	78	1
2	5300	1	598	89	1
3	5300	1	758	70	1
4	5300	1	698	76	1
5	5300	1	898	59	1
6	5300	1	578	92	1
7	5300	1	858	62	1
8	5300	1	738	72	1
9	5300	1	538	98	1
10	5300	1	518	102	1
11	5300	1	618	86	1
12	5300	1	718	74	1
13	5300	1	818	65	1
14	5300	1	878	61	1
15	5300	1	778	68	1
16	5300	1	819	65	1
17	5300	1	1953	27	1
18	5300	1	1339	40	1
19	5300	1	1051	51	1
20	5300	1	2079	26	1
21	5300	1	2710	20	1
22	5300	1	1022	52	1
23	5300	1	2393	23	1
24	5300	1	1606	33	1
25	5300	1	1042	51	1
26	5300	1	1509	35	1
27	5300	1	1549	35	1
28	5300	1	2484	22	1
29	5300	1	2219	24	1
30	5300	1	1132	47	1
Detection Percentage(%)					100%

Type2

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	4.1	222	25	1
2	5300	2.5	193	27	1
3	5300	1.7	175	24	1
4	5300	2.3	226	28	1
5	5300	1.7	166	27	1
6	5300	5	195	24	1
7	5300	1.1	183	26	0
8	5300	3.9	151	27	1
9	5300	1.6	153	27	1
10	5300	5	175	25	1
11	5300	3.9	151	26	1
12	5300	2.8	205	25	1
13	5300	1.2	230	23	1
14	5300	2.6	227	25	1
15	5300	4.8	180	23	1
16	5300	4	197	23	1
17	5300	4.3	183	27	1
18	5300	2.3	177	26	1
19	5300	2.6	155	25	0
20	5300	1.6	207	28	1
21	5300	3.9	205	27	1
22	5300	1.1	208	25	1
23	5300	1.9	165	27	1
24	5300	3.9	228	26	1
25	5300	5	217	26	1
26	5300	2.7	153	24	1
27	5300	2.1	218	24	1
28	5300	1.3	174	24	1
29	5300	3.4	213	26	1
30	5300	3.9	191	25	1
Detection Percentage(%)					93.33%

Type3

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	6.8	211	17	1
2	5300	7.4	235	17	1
3	5300	9.3	450	16	1
4	5300	6	296	18	1
5	5300	7.7	362	16	1
6	5300	9.3	353	18	1
7	5300	8.3	330	18	0
8	5300	8.4	363	17	1
9	5300	6.3	356	16	1
10	5300	8.2	373	17	1
11	5300	7.9	264	18	0
12	5300	9.6	277	17	1
13	5300	8.2	348	17	1
14	5300	9.3	222	17	0
15	5300	6.6	268	16	1
16	5300	9.6	377	17	1
17	5300	9.7	393	18	1
18	5300	6.6	201	16	1
19	5300	7.3	428	17	0
20	5300	6.5	282	18	1
21	5300	9.5	218	16	1
22	5300	6.5	467	18	1
23	5300	9.5	221	17	1
24	5300	7.4	465	18	1
25	5300	7	293	17	0
26	5300	7.6	474	17	1
27	5300	6	269	17	1
28	5300	7	421	17	1
29	5300	8.6	245	17	1
30	5300	8.5	379	17	1
Detection Percentage(%)					83.33%

Type4

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5300	15.3	477	13	1
2	5300	14.4	374	13	1
3	5300	16.9	246	14	1
4	5300	17.3	457	15	1
5	5300	15.7	330	15	1
6	5300	12.6	341	16	1
7	5300	19.4	270	14	1
8	5300	19.8	428	14	1
9	5300	11.6	480	14	0
10	5300	13.9	324	15	1
11	5300	13.5	478	13	1
12	5300	14.5	366	12	1
13	5300	14.9	420	14	1
14	5300	12.2	203	14	1
15	5300	13.7	424	16	1
16	5300	17.8	445	13	1
17	5300	14.2	322	14	1
18	5300	13.5	425	15	1
19	5300	18.5	455	14	1
20	5300	17.9	218	15	0
21	5300	19.4	408	14	1
22	5300	11.1	376	13	1
23	5300	11.8	354	13	1
24	5300	16	264	16	1
25	5300	13	452	13	1
26	5300	13.1	401	14	1
27	5300	17.1	481	13	0
28	5300	12.9	365	16	1
29	5300	13.5	266	16	1
30	5300	16.9	346	15	1
Detection Percentage(%)					90%

Mode 2-802.11ac-20MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	100	>60%	Pass
2	93.33	>60%	Pass
3	83.33	>60%	Pass
4	90.00	>60%	Pass
Total Type 1~4	91.67	>80%	Pass
5	86.67	>80%	Pass
6	86.67	>70%	Pass

Type5

Center Freq: 5300MHz			Low Edge: 5291MHz		High Edge: 5310MHz	
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename	1= Detection 0= No Detection	
1	12		5300	Statistical Check RandParm For Radar Type 5 1 trail	1	
2	12		5300	Statistical Check RandParm For Radar Type 5 2 trail	1	
3	14		5300	Statistical Check RandParm For Radar Type 5 3 trail	1	
4	20		5300	Statistical Check RandParm For Radar Type 5 4 trail	1	
5	17		5300	Statistical Check RandParm For Radar Type 5 5 trail	1	
6	16		5300	Statistical Check RandParm For Radar Type 5 6 trail	1	
7	8		5300	Statistical Check RandParm For Radar Type 5 7 trail	0	
8	8		5300	Statistical Check RandParm For Radar Type 5 8 trail	1	
9	11		5300	Statistical Check RandParm For Radar Type 5 9 trail	1	
10	15		5300	Statistical Check RandParm For Radar Type 5 10 trail	0	
11	10		5294	Statistical Check RandParm For Radar Type 5 11 trail	1	
12	18		5297.2	Statistical Check RandParm For Radar Type 5 12 trail	1	
13	12		5294.8	Statistical Check RandParm For Radar Type 5 13 trail	1	
14	11		5294.4	Statistical Check RandParm For Radar Type 5 14 trail	1	
15	20		5298	Statistical Check RandParm For Radar Type 5 15 trail	1	
16	10		5294	Statistical Check RandParm For Radar Type 5 16 trail	1	
17	17		5296.8	Statistical Check RandParm For Radar Type 5 17 trail	1	
18	14		5295.6	Statistical Check RandParm For Radar Type 5 18 trail	1	
19	15		5296	Statistical Check RandParm For Radar Type 5 19 trail	0	
20	8		5293.2	Statistical Check RandParm For Radar Type 5 20 trail	1	
21	10		5306	Statistical Check RandParm For Radar Type 5 21 trail	1	
22	17		5303.2	Statistical Check RandParm For Radar Type 5 22 trail	1	
23	11		5305.6	Statistical Check RandParm For Radar Type 5 23 trail	1	
24	11		5305.6	Statistical Check RandParm For Radar Type 5 24 trail	1	
25	5		5308	Statistical Check RandParm For Radar Type 5 25 trail	0	
26	16		5303.6	Statistical Check RandParm For Radar Type 5 26 trail	1	
27	12		5305.2	Statistical Check RandParm For Radar Type 5 27 trail	1	
28	5		5308	Statistical Check RandParm For Radar Type 5 28 trail	1	
29	13		5304.8	Statistical Check RandParm For Radar Type 5 29 trail	1	
30	20		5302	Statistical Check RandParm For Radar Type 5 30 trail	1	
Detection Percentage (%)					86.67	
Limit					≥ 80	

Type6

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	0
9	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	1
11	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	1
12	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	0
13	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	1
14	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	1
15	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	0
21	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	1
22	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	1
25	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	1
26	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	0
29	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5300	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			86.67
Limit			>70

待測物名稱：Wireless Access point

待測物型號：AP510C

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：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 3: 802.11ac-40MHz BW

Type 1

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5510	1	878	61	1
2	5510	1	698	76	1
3	5510	1	838	63	1
4	5510	1	558	95	1
5	5510	1	578	92	1
6	5510	1	798	67	1
7	5510	1	678	78	1
8	5510	1	598	89	1
9	5510	1	638	83	1
10	5510	1	858	62	1
11	5510	1	718	74	1
12	5510	1	618	86	1
13	5510	1	538	98	1
14	5510	1	898	59	1
15	5510	1	758	70	1
16	5510	1	2692	20	1
17	5510	1	2886	19	1
18	5510	1	1211	44	1
19	5510	1	1232	43	1
20	5510	1	1504	36	1
21	5510	1	1164	46	1
22	5510	1	2045	26	1
23	5510	1	2607	21	1
24	5510	1	1289	41	1
25	5510	1	663	80	1
26	5510	1	1876	29	1
27	5510	1	2063	26	1
28	5510	1	1804	30	1
29	5510	1	2318	23	1
30	5510	1	733	72	1
Detection Percentage(%)					100%

Type2

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5510	3.7	220	26	1
2	5510	3.2	216	24	1
3	5510	1.6	187	26	1
4	5510	2.2	194	27	1
5	5510	2.1	226	28	1
6	5510	4.1	216	28	0
7	5510	3.9	165	26	1
8	5510	2	165	29	1
9	5510	2.3	215	28	1
10	5510	3	219	24	1
11	5510	2.3	198	28	1
12	5510	4.4	201	27	1
13	5510	3.7	151	29	1
14	5510	3.4	169	23	1
15	5510	2	196	26	0
16	5510	2.4	200	26	1
17	5510	4	219	23	1
18	5510	4.2	195	24	1
19	5510	3.3	201	25	1
20	5510	3.7	154	26	1
21	5510	4.7	178	26	1
22	5510	4.4	177	28	1
23	5510	2.9	193	26	0
24	5510	2.5	161	28	1
25	5510	3.3	153	28	1
26	5510	4.6	200	24	1
27	5510	2.2	215	25	1
28	5510	2	220	25	1
29	5510	1.2	187	24	1
30	5510	1.2	204	23	1
Detection Percentage(%)					90%

Type3

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5510	7.8	352	17	1
2	5510	9.2	427	17	1
3	5510	8.8	290	17	1
4	5510	8.7	235	18	1
5	5510	9.9	370	17	1
6	5510	7.7	366	17	1
7	5510	6.2	214	17	0
8	5510	7.3	374	16	1
9	5510	6.4	374	17	1
10	5510	7.8	436	18	1
11	5510	8.8	296	16	1
12	5510	9.6	455	16	1
13	5510	6.4	200	16	1
14	5510	9.4	409	16	1
15	5510	8.3	332	16	1
16	5510	6.7	330	17	1
17	5510	7	236	17	0
18	5510	9.6	316	17	1
19	5510	7.7	499	18	1
20	5510	6.2	222	18	1
21	5510	7.2	449	16	1
22	5510	9.4	487	18	1
23	5510	6	346	16	1
24	5510	7.5	379	16	1
25	5510	7.1	494	18	1
26	5510	8.4	224	18	1
27	5510	9.4	277	16	1
28	5510	6	499	17	1
29	5510	6.9	392	17	1
30	5510	8	224	17	1
Detection Percentage(%)					93.33%

Type4

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5510	20	467	13	1
2	5510	18.3	270	12	1
3	5510	12.2	418	15	1
4	5510	12.7	486	14	1
5	5510	11	440	16	1
6	5510	12.4	247	15	0
7	5510	14.3	216	13	1
8	5510	15	410	13	1
9	5510	14.6	431	12	1
10	5510	12.4	210	12	1
11	5510	13.6	237	15	0
12	5510	16.9	486	12	1
13	5510	14	300	15	1
14	5510	12.8	493	15	1
15	5510	15.3	225	14	1
16	5510	17.4	337	13	1
17	5510	12.1	288	12	1
18	5510	15	487	12	1
19	5510	17.3	217	15	0
20	5510	19.9	386	16	1
21	5510	14.9	383	13	1
22	5510	19.6	462	14	1
23	5510	12.1	439	15	1
24	5510	13.1	389	13	1
25	5510	18.1	383	14	0
26	5510	14.6	250	14	1
27	5510	17.9	344	16	1
28	5510	12.5	410	13	1
29	5510	11.1	254	14	1
30	5510	15.8	321	14	1
Detection Percentage (%)					86.67%

Mode 3- 802.11ac-40MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	100	>60%	Pass
2	90	>60%	Pass
3	93.33	>60%	Pass
4	86.67	>60%	Pass
Total Type 1~4	92.50	>80%	Pass
5	86.6	>80%	Pass
6	86.6	>70%	Pass

Type5

Center Freq: 5510MHz				Low Edge: 5290MHz		High Edge: 5310MHz	
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename		1= Detection 0= No Detection	
1	12	1	5510	Statistical Check RandParm For Radar Type 5 1 trail		1	
2	12	1	5510	Statistical Check RandParm For Radar Type 5 2 trail		1	
3	14	1	5510	Statistical Check RandParm For Radar Type 5 3 trail		1	
4	20	1	5510	Statistical Check RandParm For Radar Type 5 4 trail		1	
5	17	1	5510	Statistical Check RandParm For Radar Type 5 5 trail		1	
6	16	1	5510	Statistical Check RandParm For Radar Type 5 6 trail		1	
7	8	1	5510	Statistical Check RandParm For Radar Type 5 7 trail		0	
8	8	1	5510	Statistical Check RandParm For Radar Type 5 8 trail		1	
9	11	1	5510	Statistical Check RandParm For Radar Type 5 9 trail		1	
10	15	1	5510	Statistical Check RandParm For Radar Type 5 10 trail		0	
11	10	2	5494	Statistical Check RandParm For Radar Type 5 11 trail		1	
12	18	2	5492	Statistical Check RandParm For Radar Type 5 12 trail		1	
13	12	2	5494.4	Statistical Check RandParm For Radar Type 5 13 trail		1	
14	11	2	5494.4	Statistical Check RandParm For Radar Type 5 14 trail		1	
15	20	2	5494.4	Statistical Check RandParm For Radar Type 5 15 trail		1	
16	10	2	5496	Statistical Check RandParm For Radar Type 5 16 trail		1	
17	17	2	5494.8	Statistical Check RandParm For Radar Type 5 17 trail		1	
18	14	2	5495.6	Statistical Check RandParm For Radar Type 5 18 trail		1	
19	15	2	5495.2	Statistical Check RandParm For Radar Type 5 19 trail		0	
20	8	2	5492.8	Statistical Check RandParm For Radar Type 5 20 trail		1	
21	10	3	5524	Statistical Check RandParm For Radar Type 5 21 trail		1	
22	17	3	5524.8	Statistical Check RandParm For Radar Type 5 22 trail		1	
23	11	3	5526.8	Statistical Check RandParm For Radar Type 5 23 trail		1	
24	11	3	5524.8	Statistical Check RandParm For Radar Type 5 24 trail		1	
25	5	3	5524.4	Statistical Check RandParm For Radar Type 5 25 trail		0	
26	16	3	5526	Statistical Check RandParm For Radar Type 5 26 trail		1	
27	12	3	5522.4	Statistical Check RandParm For Radar Type 5 27 trail		1	
28	5	3	5527.6	Statistical Check RandParm For Radar Type 5 28 trail		1	
29	13	3	5522.4	Statistical Check RandParm For Radar Type 5 29 trail		1	
30	20	3	5526.4	Statistical Check RandParm For Radar Type 5 30 trail		1	
Detection Percentage (%)						86.6	
Limit						≥ 80	

Type6

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	0
9	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	1
11	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	1
12	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	0
13	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	1
14	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	1
15	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	0
21	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	1
22	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	1
25	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	1
26	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	0
29	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5510	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			86.6
Limit			>70

待測物名稱：Wireless Access point

待測物型號：AP510C

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：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 4: 802.11ac-80MHz BW

Type 1

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	1	838	63	1
2	5530	1	778	68	1
3	5530	1	678	78	1
4	5530	1	818	65	1
5	5530	1	718	74	1
6	5530	1	558	95	1
7	5530	1	638	83	0
8	5530	1	618	86	1
9	5530	1	538	98	1
10	5530	1	738	72	1
11	5530	1	578	92	1
12	5530	1	658	81	1
13	5530	1	3066	18	1
14	5530	1	698	76	0
15	5530	1	598	89	1
16	5530	1	1041	51	1
17	5530	1	2997	18	1
18	5530	1	1138	47	1
19	5530	1	1295	41	1
20	5530	1	3039	18	1
21	5530	1	2660	20	1
22	5530	1	1057	50	1
23	5530	1	1713	31	0
24	5530	1	2287	24	1
25	5530	1	2532	21	1
26	5530	1	1097	49	1
27	5530	1	785	68	1
28	5530	1	2844	19	1
29	5530	1	863	62	1
30	5530	1	2773	20	1
Detection Percentage(%)					90%

Type2

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	3.8	229	29	1
2	5530	4.5	199	24	1
3	5530	3	169	23	1
4	5530	4	216	24	0
5	5530	1.9	211	25	1
6	5530	4.9	219	27	1
7	5530	4.8	170	27	0
8	5530	3.4	193	28	1
9	5530	1.2	173	27	1
10	5530	4.4	172	27	0
11	5530	1.2	196	29	1
12	5530	4.9	189	26	1
13	5530	3.1	208	26	1
14	5530	5	192	25	1
15	5530	3.1	156	23	1
16	5530	2.6	213	24	1
17	5530	1	150	25	0
18	5530	3.1	211	29	1
19	5530	3.4	210	29	1
20	5530	4.9	184	23	1
21	5530	3.7	183	25	1
22	5530	4.8	201	28	0
23	5530	3.6	176	24	1
24	5530	3.3	229	23	1
25	5530	4.7	169	28	1
26	5530	3.1	161	23	1
27	5530	2.4	160	26	1
28	5530	1.4	187	29	1
29	5530	4.1	208	25	1
30	5530	3	205	26	1
Detection Percentage(%)					83.33%

Type3

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	9.1	447	17	1
2	5530	6.2	309	17	1
3	5530	6.9	301	16	1
4	5530	6.4	405	16	1
5	5530	8.5	433	18	1
6	5530	7.2	267	18	1
7	5530	6.4	238	16	1
8	5530	8.5	303	16	1
9	5530	7.3	248	16	1
10	5530	8.9	356	16	0
11	5530	9.6	292	17	1
12	5530	6.1	494	16	1
13	5530	7	230	17	1
14	5530	7.9	389	17	1
15	5530	6.2	411	17	1
16	5530	8.3	445	17	1
17	5530	8.5	287	16	1
18	5530	6.4	354	17	1
19	5530	8.3	437	18	1
20	5530	7.6	382	17	1
21	5530	9.2	368	16	1
22	5530	9.6	214	17	1
23	5530	9.7	436	16	1
24	5530	10	416	17	1
25	5530	8.8	341	16	1
26	5530	9.5	292	16	1
27	5530	9.2	385	16	1
28	5530	7.8	427	17	1
29	5530	8.1	321	18	1
30	5530	8.4	274	17	1
Detection Percentage(%)					96.67%

Type4

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5530	11	442	13	1
2	5530	13.8	407	14	1
3	5530	11.9	463	15	1
4	5530	11	250	12	1
5	5530	12.6	465	12	1
6	5530	18	495	16	1
7	5530	12.4	470	16	0
8	5530	19.7	413	14	1
9	5530	11.3	229	15	1
10	5530	11.6	460	12	1
11	5530	11.6	226	16	1
12	5530	11.7	284	14	1
13	5530	12.2	465	15	1
14	5530	19.1	491	13	1
15	5530	15.8	468	15	1
16	5530	13	430	14	1
17	5530	14.8	439	16	0
18	5530	16.2	350	13	1
19	5530	17.2	328	15	1
20	5530	18.6	207	12	1
21	5530	16.2	430	16	1
22	5530	11.9	212	15	1
23	5530	11.2	280	16	1
24	5530	14.2	493	12	1
25	5530	11.6	413	14	1
26	5530	12.7	437	13	1
27	5530	11.3	329	13	1
28	5530	14.7	454	14	1
29	5530	19.2	284	16	1
30	5530	13.9	306	16	1
Detection Percentage (%)					93.33%

Mode 4- 802.11ac-80MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	90.00	>60%	Pass
2	83.33	>60%	Pass
3	96.67	>60%	Pass
4	93.33	>60%	Pass
Total Type 1~4	90.83	>80%	Pass
5	83.33	>80%	Pass
6	90.00	>70%	Pass

Type5

Center Freq: 5530MHz				Low Edge: 5652MHz		High Edge: 5668MHz	
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename			1= Detection 0= No Detection
1	7		5530	Statistical Check RandParm For Radar Type 5 1 trail			1
2	18		5530	Statistical Check RandParm For Radar Type 5 2 trail			1
3	12		5530	Statistical Check RandParm For Radar Type 5 3 trail			1
4	13		5530	Statistical Check RandParm For Radar Type 5 4 trail			1
5	20		5530	Statistical Check RandParm For Radar Type 5 5 trail			1
6	10		5530	Statistical Check RandParm For Radar Type 5 6 trail			1
7	10		5530	Statistical Check RandParm For Radar Type 5 7 trail			1
8	15		5530	Statistical Check RandParm For Radar Type 5 8 trail			1
9	12		5530	Statistical Check RandParm For Radar Type 5 9 trail			1
10	18		5530	Statistical Check RandParm For Radar Type 5 10 trail			1
11	11		5494.4	Statistical Check RandParm For Radar Type 5 11 trail			0
12	18		5497.2	Statistical Check RandParm For Radar Type 5 12 trail			1
13	7		5492.8	Statistical Check RandParm For Radar Type 5 13 trail			1
14	20		5498	Statistical Check RandParm For Radar Type 5 14 trail			1
15	12		5494.8	Statistical Check RandParm For Radar Type 5 15 trail			1
16	11		5494.4	Statistical Check RandParm For Radar Type 5 16 trail			0
17	11		5494.4	Statistical Check RandParm For Radar Type 5 17 trail			1
18	15		5496	Statistical Check RandParm For Radar Type 5 18 trail			1
19	14		5495.6	Statistical Check RandParm For Radar Type 5 19 trail			0
20	19		5497.6	Statistical Check RandParm For Radar Type 5 20 trail			1
21	13		5564.8	Statistical Check RandParm For Radar Type 5 21 trail			1
22	7		5567.2	Statistical Check RandParm For Radar Type 5 22 trail			1
23	17		5563.2	Statistical Check RandParm For Radar Type 5 23 trail			1
24	17		5563.2	Statistical Check RandParm For Radar Type 5 24 trail			0
25	7		5567.2	Statistical Check RandParm For Radar Type 5 25 trail			1
26	13		5564.8	Statistical Check RandParm For Radar Type 5 26 trail			1
27	12		5565.2	Statistical Check RandParm For Radar Type 5 27 trail			1
28	15		5564	Statistical Check RandParm For Radar Type 5 28 trail			1
29	15		5564	Statistical Check RandParm For Radar Type 5 29 trail			0
30	8		5566.8	Statistical Check RandParm For Radar Type 5 30 trail			1
Detection Percentage (%)							83.33
Limit							≥80

Type6

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	0
9	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	1
11	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	1
12	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	1
13	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	0
14	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	1
15	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	1
21	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	1
22	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	1
25	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	1
26	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	0
29	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5530	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			90.00
Limit			>70

待測物名稱：Wireless Access point

待測物型號：AP510C

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：107 年 10 月 09 日

環境濕度：58 %

測試模式：Mode 5: 802.11ac-160MHz BW

Type 1

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5570	0	0	0	0
2	5570	1	538	98	1
3	5570	1	918	58	1
4	5570	1	618	86	1
5	5570	1	698	76	1
6	5570	1	818	65	1
7	5570	1	898	59	1
8	5570	1	598	89	1
9	5570	1	578	92	0
10	5570	1	678	78	1
11	5570	1	838	63	1
12	5570	1	738	72	1
13	5570	1	758	70	1
14	5570	1	658	81	1
15	5570	1	858	62	1
16	5570	1	558	95	1
17	5570	1	2245	24	1
18	5570	1	2625	21	1
19	5570	1	1027	52	1
20	5570	1	2063	26	1
21	5570	1	2457	22	1
22	5570	1	1466	36	1
23	5570	1	2301	23	1
24	5570	1	1171	46	1
25	5570	1	2494	22	1
26	5570	1	1837	29	1
27	5570	1	846	63	1
28	5570	1	1775	30	1
29	5570	1	1399	38	1
30	5570	1	2154	25	1
Detection Percentage(%)					93.33%

Type2

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5570	4.3	196	24	1
2	5570	2.2	204	25	1
3	5570	3.9	189	28	1
4	5570	4.1	160	25	1
5	5570	2.8	172	25	0
6	5570	2.6	186	23	1
7	5570	4.6	211	28	1
8	5570	2.8	226	24	1
9	5570	2.6	177	24	0
10	5570	3.2	170	27	1
11	5570	2.6	210	25	1
12	5570	2.1	159	27	1
13	5570	4.9	175	23	1
14	5570	1.3	212	26	1
15	5570	2.4	164	26	1
16	5570	4.9	205	28	0
17	5570	4.6	205	28	1
18	5570	4.5	159	25	1
19	5570	3.8	154	25	1
20	5570	2.2	221	27	1
21	5570	2.7	215	28	1
22	5570	1	192	25	0
23	5570	3.2	183	23	1
24	5570	1.7	194	24	1
25	5570	4.1	153	29	0
26	5570	1.5	190	28	1
27	5570	2.1	163	29	1
28	5570	3.8	195	27	1
29	5570	3.2	173	26	1
30	5570	2.5	161	29	1
Detection Percentage(%)					83.33%

Type3

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5570	6.6	417	17	1
2	5570	8.3	459	18	1
3	5570	9.8	330	18	1
4	5570	7.9	297	18	0
5	5570	9.1	337	16	1
6	5570	7.2	467	18	1
7	5570	6	324	18	1
8	5570	6.8	248	16	1
9	5570	9.4	500	17	1
10	5570	6	338	16	1
11	5570	7.5	245	18	1
12	5570	9	464	16	0
13	5570	7.8	425	18	1
14	5570	6	394	17	1
15	5570	9	398	16	1
16	5570	7.5	228	17	1
17	5570	9.8	441	18	1
18	5570	6.9	363	16	1
19	5570	8.9	266	18	1
20	5570	8.7	356	18	1
21	5570	7.3	477	18	1
22	5570	6.9	227	16	1
23	5570	7.6	201	16	1
24	5570	7.2	414	17	1
25	5570	8.8	391	18	1
26	5570	6.9	313	17	1
27	5570	6.6	307	16	1
28	5570	6	463	18	1
29	5570	9.4	227	17	1
30	5570	9.9	265	17	1
Detection Percentage(%)					93.33%

Type4

Trial #	Frequency (MHz)	Pulse Width (us)	PRI (us)	Pulses/Burs	1= Detection 0= No Detection
1	5570	11.8	369	15	0
2	5570	14.5	284	15	1
3	5570	15.8	239	14	1
4	5570	14.3	328	14	1
5	5570	13.4	218	12	1
6	5570	18	398	13	1
7	5570	17.7	348	12	1
8	5570	16.3	471	15	0
9	5570	14.3	405	14	1
10	5570	13	246	16	1
11	5570	13.9	319	15	1
12	5570	19.6	376	12	1
13	5570	17.3	246	13	1
14	5570	18.5	436	15	1
15	5570	14.5	237	15	1
16	5570	19.9	458	13	1
17	5570	19.6	297	14	1
18	5570	15.9	217	14	0
19	5570	19.8	318	16	1
20	5570	12.2	439	13	1
21	5570	15.9	260	14	1
22	5570	16.1	447	12	1
23	5570	15.1	379	15	1
24	5570	17.1	327	12	1
25	5570	12.7	302	15	1
26	5570	17.2	383	14	1
27	5570	16	478	15	1
28	5570	17	334	14	1
29	5570	18.2	238	15	1
30	5570	11.8	328	16	1
Detection Percentage (%)					90.00%

Mode 5- 802.11ac-160MHz BW

Total Type 1~4 Radar Statistical Performance			
Radar Type	Detection Percentage (%)	Limit (%)	Result
1	93.33	>60%	Pass
2	83.33	>60%	Pass
3	93.33	>60%	Pass
4	90.00	>60%	Pass
Total Type 1~4	90.83	>80%	Pass
5	83.33	>80%	Pass
6	86.67	>70%	Pass

Type5

Center Freq: 5570MHz			Low Edge: 5652MHz		High Edge: 5668MHz	
Trial #	Chirp	Offset	VSG Frequency (MHz)	*Filename	1= Detection 0= No Detection	
1	15		5570	Statistical Check RandParm For Radar Type 5 1 trail	1	
2	20		5570	Statistical Check RandParm For Radar Type 5 2 trail	1	
3	17		5570	Statistical Check RandParm For Radar Type 5 3 trail	1	
4	11		5570	Statistical Check RandParm For Radar Type 5 4 trail	1	
5	14		5570	Statistical Check RandParm For Radar Type 5 5 trail	1	
6	13		5570	Statistical Check RandParm For Radar Type 5 6 trail	1	
7	17		5570	Statistical Check RandParm For Radar Type 5 7 trail	0	
8	13		5570	Statistical Check RandParm For Radar Type 5 8 trail	1	
9	15		5570	Statistical Check RandParm For Radar Type 5 9 trail	1	
10	19		5570	Statistical Check RandParm For Radar Type 5 10 trail	1	
11	15		5498	Statistical Check RandParm For Radar Type 5 11 trail	1	
12	6		5494.4	Statistical Check RandParm For Radar Type 5 12 trail	1	
13	10		5496	Statistical Check RandParm For Radar Type 5 13 trail	0	
14	8		5495.2	Statistical Check RandParm For Radar Type 5 14 trail	0	
15	17		5498.8	Statistical Check RandParm For Radar Type 5 15 trail	0	
16	7		5494.8	Statistical Check RandParm For Radar Type 5 16 trail	1	
17	7		5494.8	Statistical Check RandParm For Radar Type 5 17 trail	1	
18	17		5498.8	Statistical Check RandParm For Radar Type 5 18 trail	1	
19	16		5498.4	Statistical Check RandParm For Radar Type 5 19 trail	1	
20	7		5494.8	Statistical Check RandParm For Radar Type 5 20 trail	1	
21	19		5640.4	Statistical Check RandParm For Radar Type 5 21 trail	1	
22	11		5643.6	Statistical Check RandParm For Radar Type 5 22 trail	1	
23	7		5645.2	Statistical Check RandParm For Radar Type 5 23 trail	1	
24	8		5644.8	Statistical Check RandParm For Radar Type 5 24 trail	1	
25	6		5645.6	Statistical Check RandParm For Radar Type 5 25 trail	1	
26	6		5645.6	Statistical Check RandParm For Radar Type 5 26 trail	1	
27	5		5646	Statistical Check RandParm For Radar Type 5 27 trail	1	
28	5		5646	Statistical Check RandParm For Radar Type 5 28 trail	0	
29	9		5644.4	Statistical Check RandParm For Radar Type 5 29 trail	1	
30	13		5642.8	Statistical Check RandParm For Radar Type 5 30 trail	1	
Detection Percentage (%)					83.33	
Limit					≥ 80	

Type6

Trial #	Frequency (MHz)	*Filename	1= Detection 0= No Detection
1	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_1_trail	1
2	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_2_trail	1
3	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_3_trail	1
4	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_4_trail	1
5	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_5_trail	1
6	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_6_trail	1
7	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_7_trail	1
8	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_8_trail	0
9	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_9_trail	1
10	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_10_trail	1
11	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_11_trail	1
12	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_12_trail	1
13	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_13_trail	1
14	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_14_trail	0
15	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_15_trail	1
16	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_16_trail	1
17	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_17_trail	1
18	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_18_trail	1
19	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_19_trail	1
20	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_20_trail	0
21	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_21_trail	1
22	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_22_trail	1
23	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_23_trail	1
24	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_24_trail	1
25	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_25_trail	0
26	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_26_trail	1
27	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_27_trail	1
28	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_28_trail	1
29	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_29_trail	1
30	5570	Statistical_Check_Hopping Frequency List_For_Radar_Type_6_30_trail	1
Detection Percentage (%)			86.67
Limit			>70

3.9. 頻道可用性檢查時間量測結果

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：Initial Channel Availability Check Time

檢測器：峰值

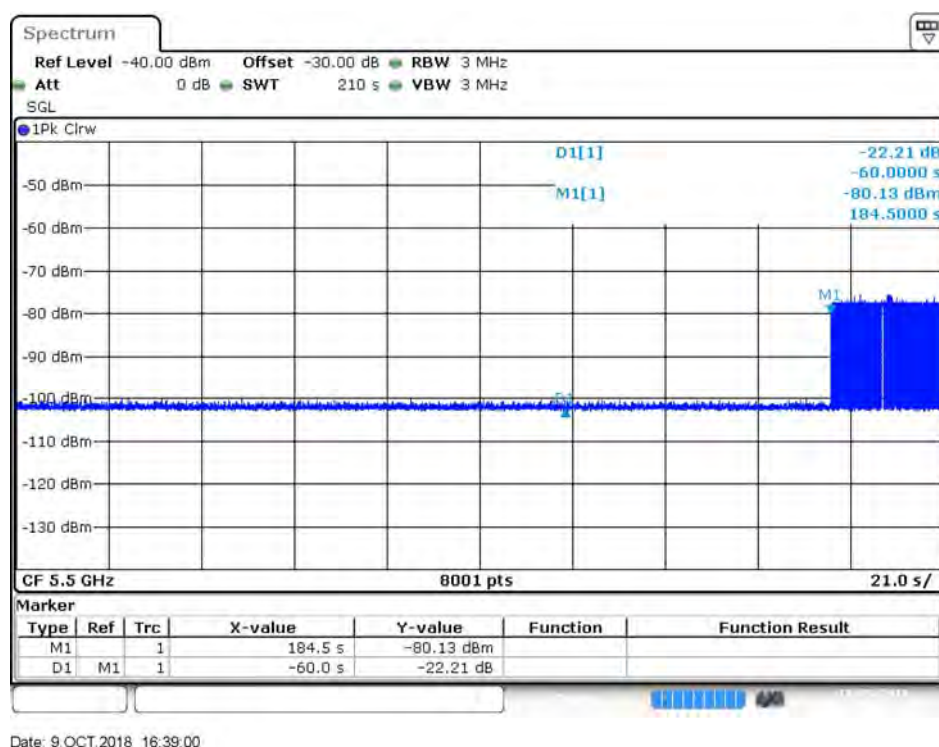
環境溫度：26 °C

測試日期：107 年 10 月 09 日

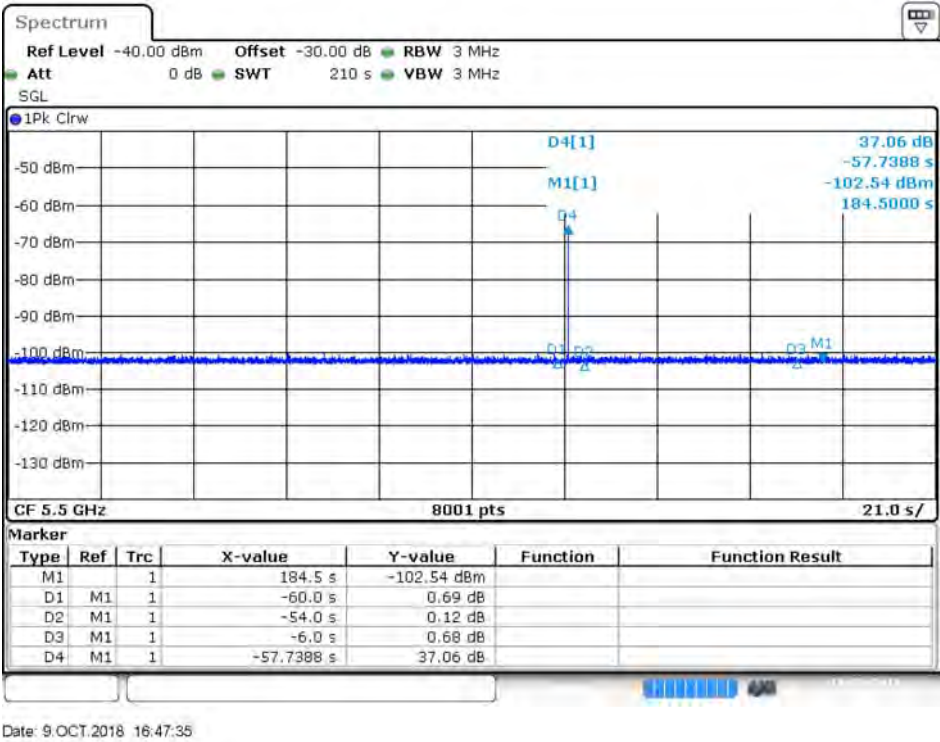
環境濕度：58 %

測試模式：Mode 5: 802.11ac-160MHz BW (ETH6)

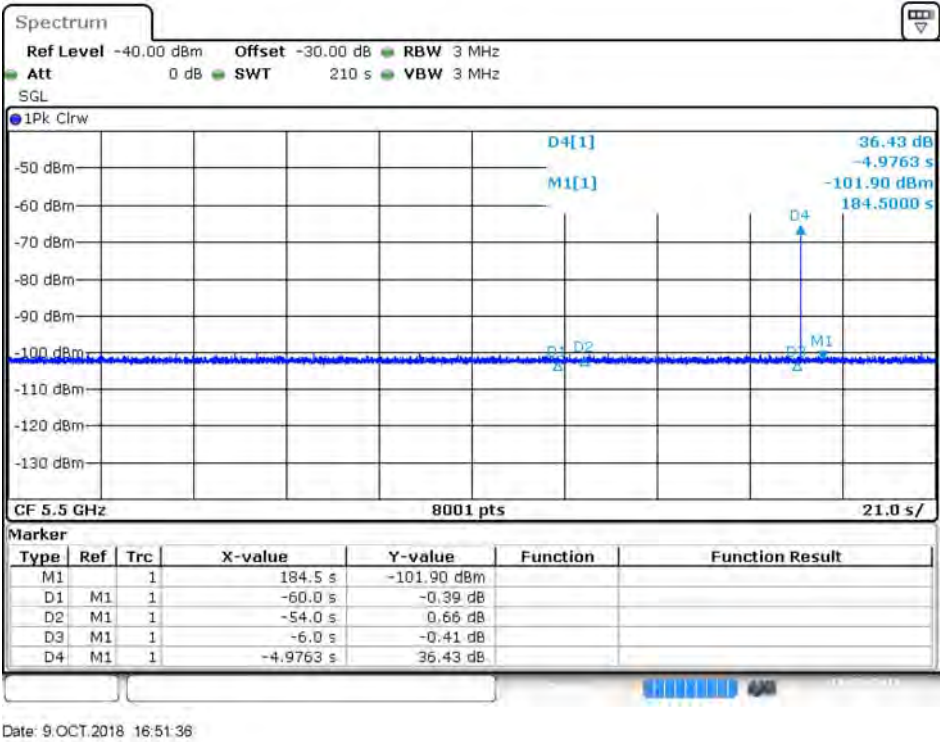
The EUT does not transmit any beacon or data transmission until at least 1 minute after the completion of the power-on cycle (124.4sec). The initial power up time of the EUT is indicated by Marker 1R (184.4 sec) – CAC (60 sec). Initial beacons/data transmission is indicated by Marker 1R (184.4 sec)



待測物名稱：Wireless Access point
待測物型號：AP510C 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：107 年 10 月 09 日 環境濕度：58 %
測試模式：Mode 5: 802.11ac-160MHz BW(ETH6)



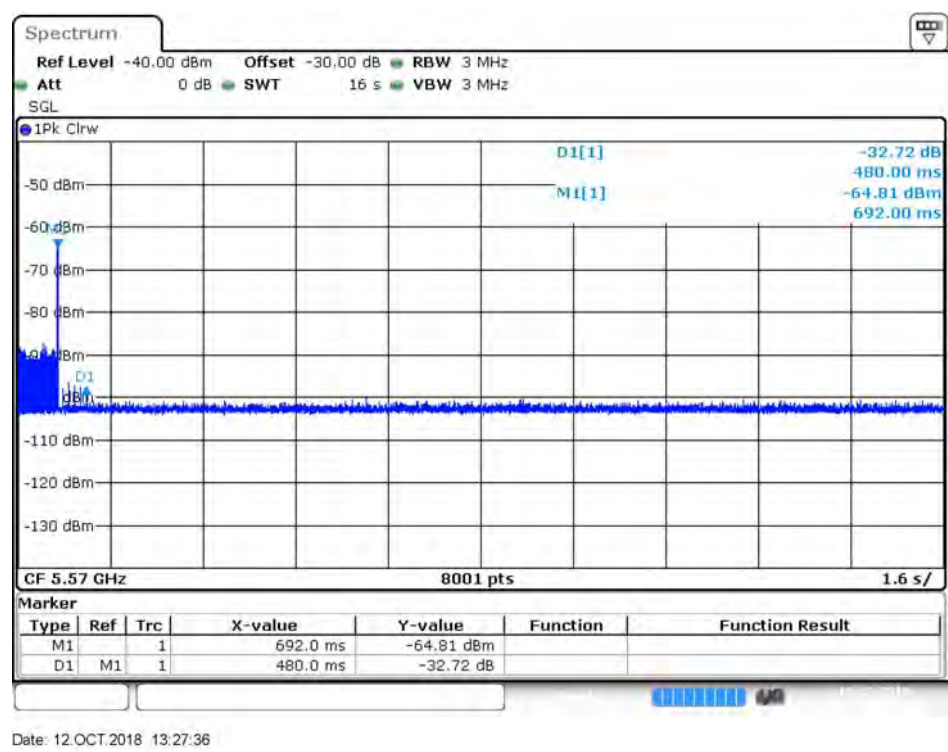
待測物名稱：Wireless Access point
待測物型號：AP510C 測試項目：Radar Burst at the End of the Channel Availability Check Time
檢 測 器：峰值 環境溫度：26 °C
測試日期：107 年 10 月 09 日 環境濕度：58 %
測試模式：Mode 5: 802.11ac-160MHz BW(ETH6)



3.10. 頻率移動時間量測結果

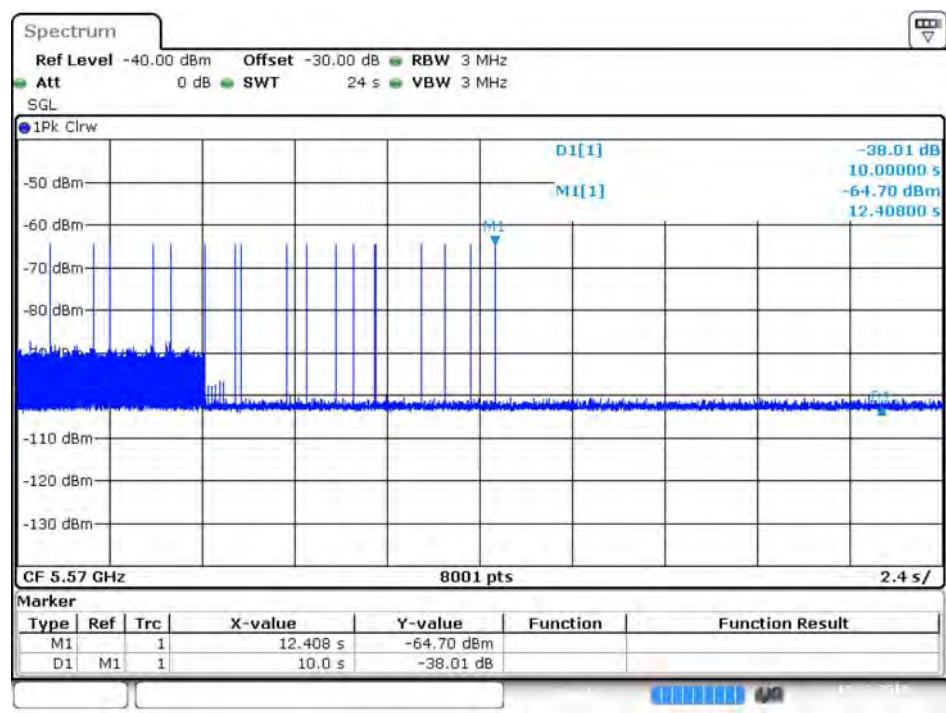
待測物名稱：Wireless Access point
待測物型號：AP510C 測試項目：頻道移動時間(Channel Move Time)
檢 測 器：峰值 環境溫度：26 ℃
測試日期：107 年 10 月 12 日 環境濕度：58 %
測試模式：Mode 5: 802.11ac-160MHz BW (ETH6)

頻道移動時間 for Radar Test Signal 0 at 5570 MHz. (802.11ac-160MHz)



測試項目	量測結果	限制值	結果
頻道移動時間	0.480 秒	10 秒	符合

頻道移動時間 for Radar Test Signal 5 at 5570 MHz. (802.11ac-160MHz)



Date: 12.OCT.2018 13:46:18

測試項目	量測結果	限制值	結果
頻道移動時間	0 秒	10 秒	符合

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：(頻道關閉傳輸時間)Channel Closing Transmission Time

檢測器：峰值

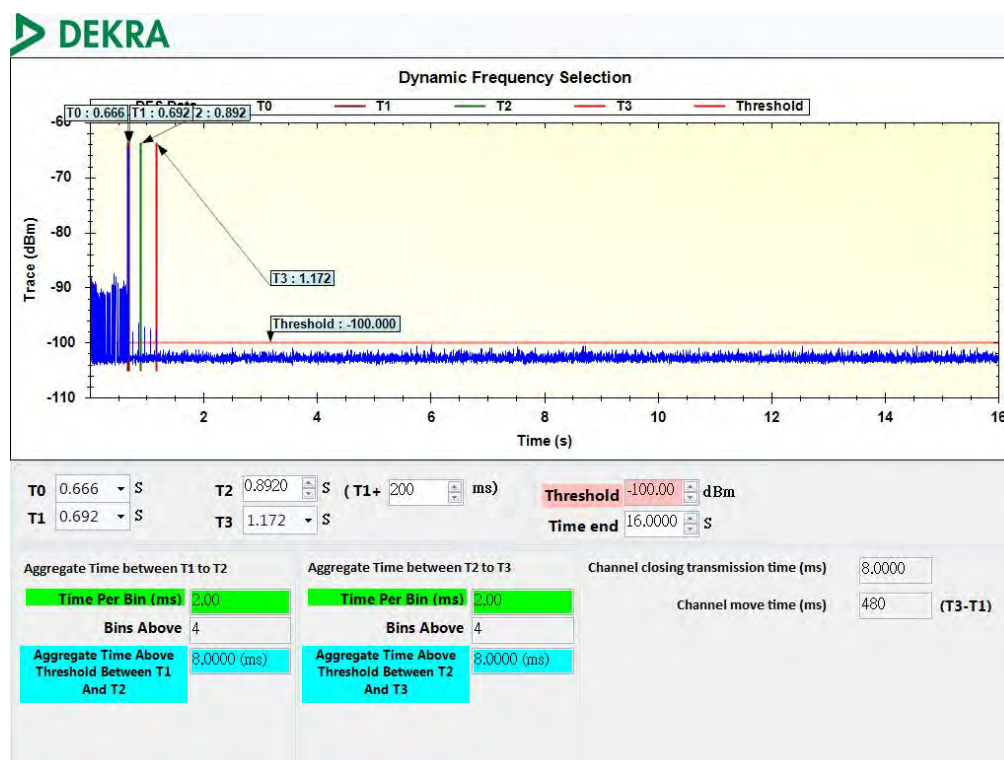
環境溫度：26 °C

測試日期：107年10月12日

環境濕度：58 %

測試模式：Mode 5: 802.11ac-160MHz BW (ETH6)

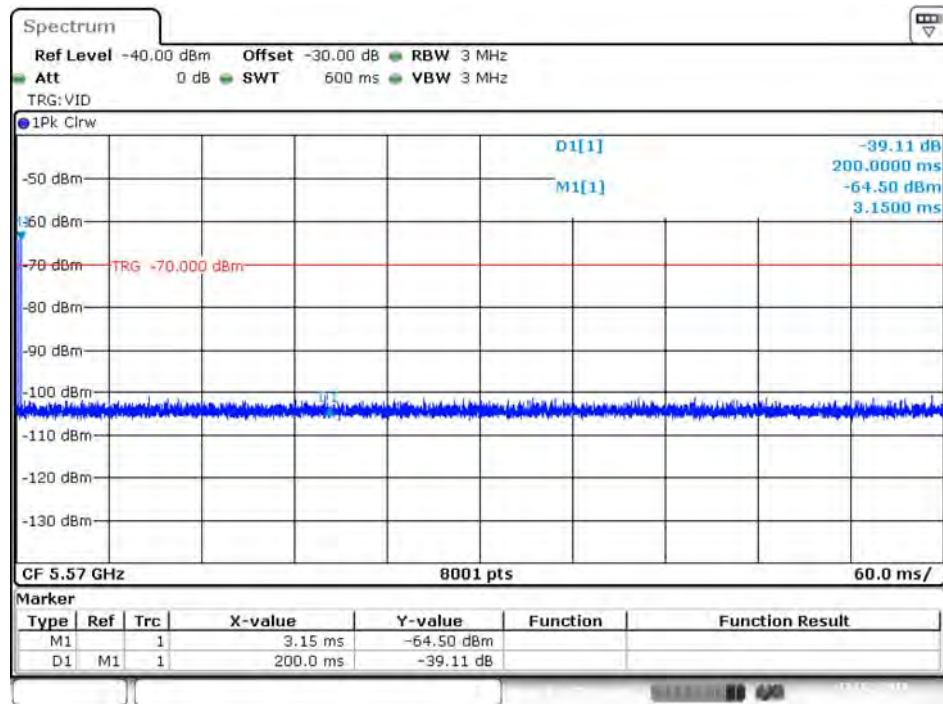
頻道關閉傳輸時間 for Radar Test Signal 0 at 5570 MHz. (802.11ac-160MHz)



Test Item	Test Result (ms)	Limit (ms)
Channel Closing Transmission	8	200 milliseconds + approx. 60 milliseconds over remaining 10 seconds period

*Note: The test result is "bin number X time per bin (600 ms / 8001)"

The results showed that after radar signal injected the channel transmission closing time less than 200 milliseconds and an aggregate of no more than 60 milliseconds.

頻道關閉傳輸時間 for Radar Test Signal 5 at 5570 MHz. (802.11ac-160MHz)


Date: 12 OCT.2018 14:01:49

Test Item	Test Result (ms)	Limit (ms)
Channel Closing Transmission	3.15	200 milliseconds + approx. 60 milliseconds over remaining 10 seconds period

*Note: The test result is "bin number X time per bin (600 ms / 8001)"

The results showed that after radar signal injected the channel transmission closing time less than 200 milliseconds and an aggregate of no more than 60 milliseconds.

3.11. 30 分鐘不可佔用期間量測結果

待測物名稱：Wireless Access point

待測物型號：AP510C

測試項目：30 分鐘不可佔用期間 (Non-Occupancy Period)

檢測器：峰值

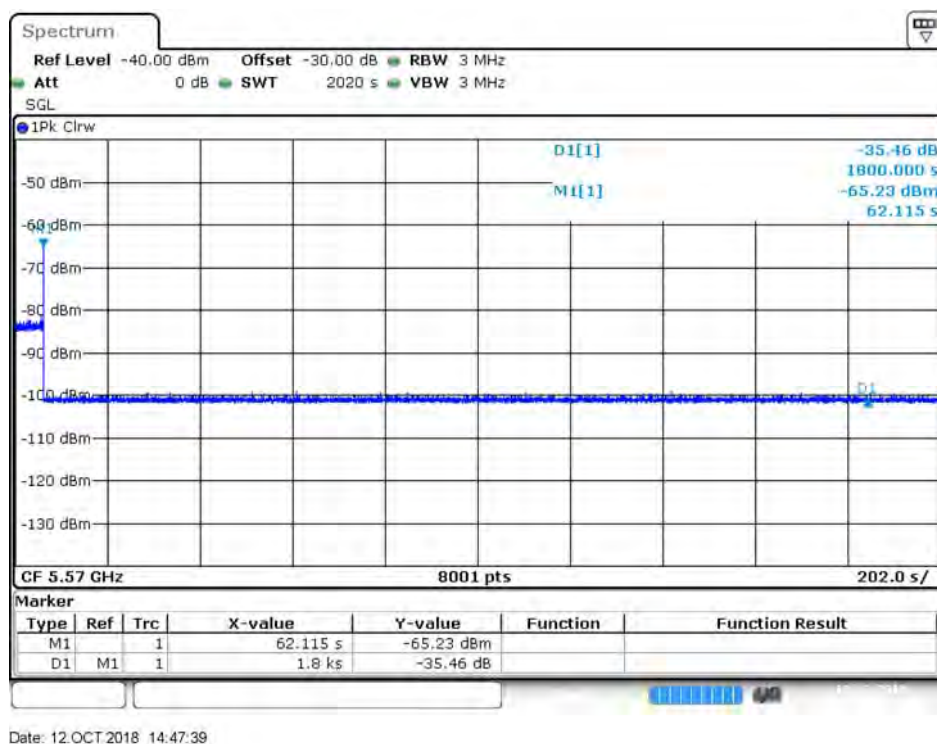
環境溫度：26 °C

測試日期：107 年 10 月 12 日

環境濕度：58 %

測試模式：Mode 5: 802.11ac-160MHz BW (ETH6)

30 分鐘不可佔用期間(Associated test) at 5570 MHz. (802.11ac-160MHz)



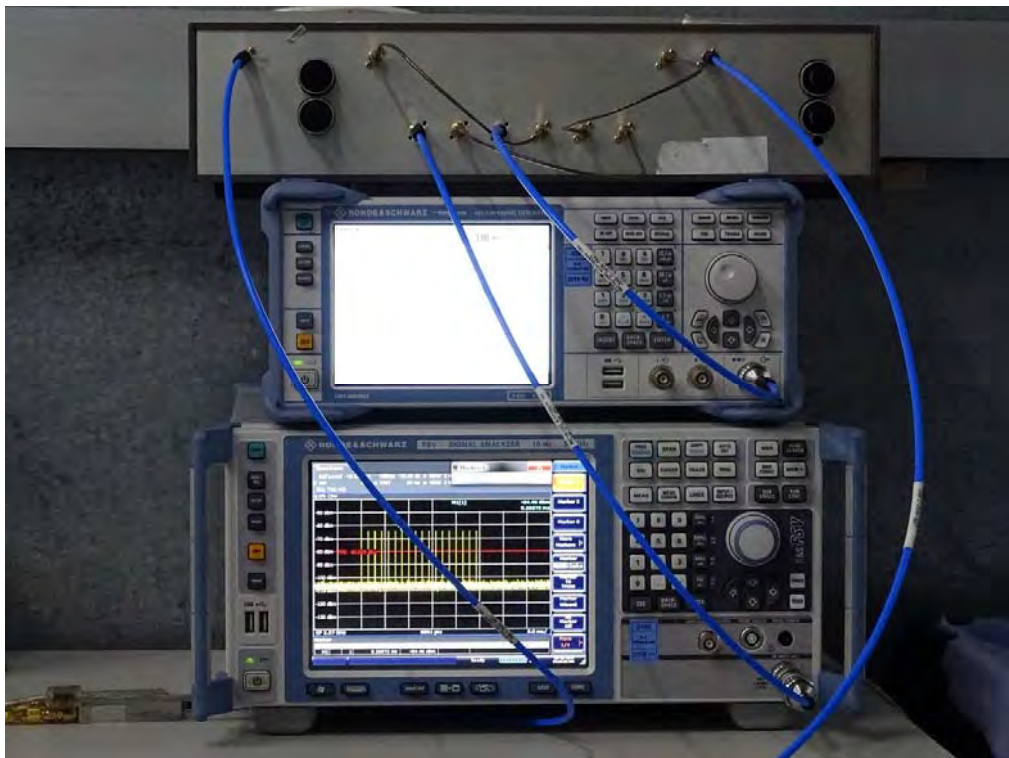
測試項目	量測結果	限制值	結果
不可佔用期間	>30 分鐘	30 分鐘	符合

附件 1: 待測物測試擺設相片

Full DFS Test Setup Photo



DFS Set-up Photo: Spectrum Analyzer and Radar Generator



DFS Set-up Photo: Master



DFS Set-up Photo: Client

