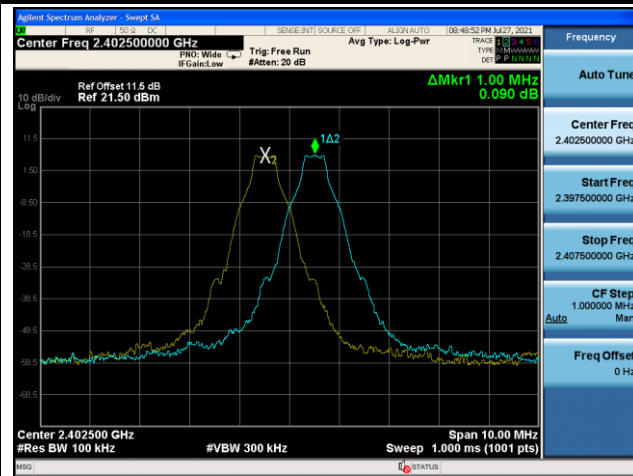
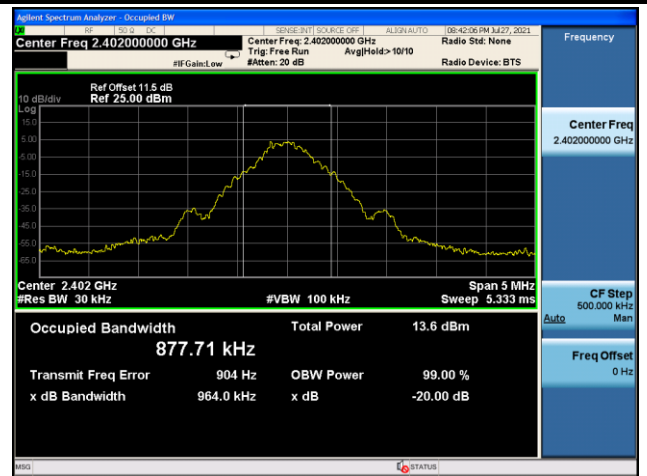


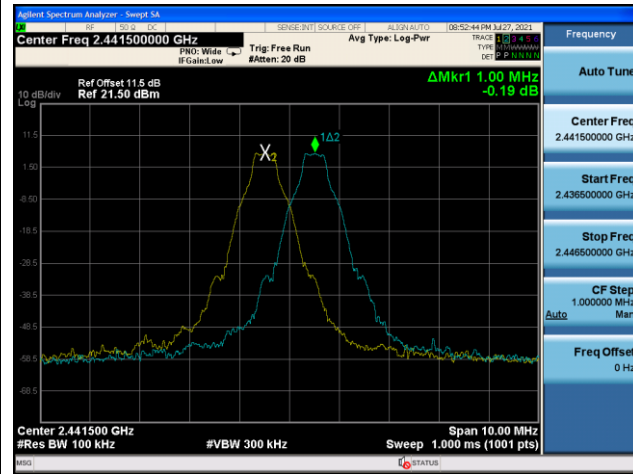
CH00 (2402MHz) DH5(1Mbps)- Channel Separation



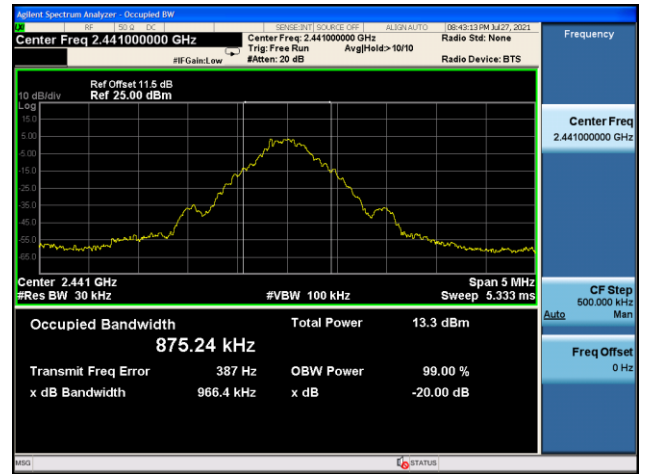
CH00 (2402MHz) DH5(1Mbps)- 20dB Bandwidth



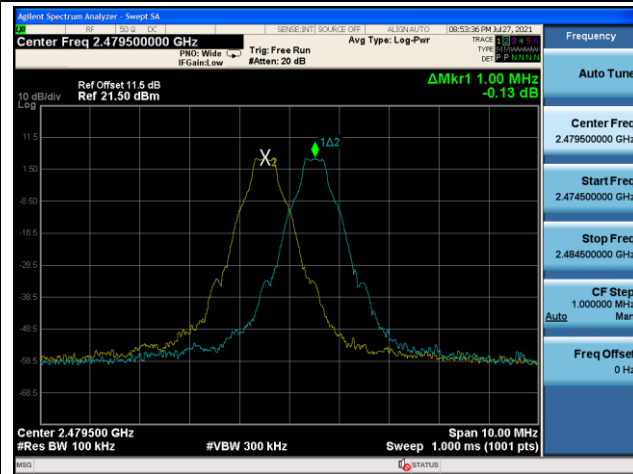
CH39 (2441MHz) DH5(1Mbps)- Channel Separation



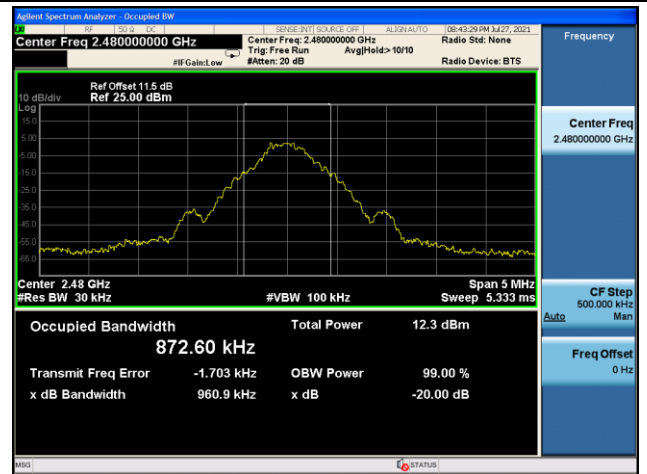
CH39 (2441MHz) DH5(1Mbps)- 20dB Bandwidth



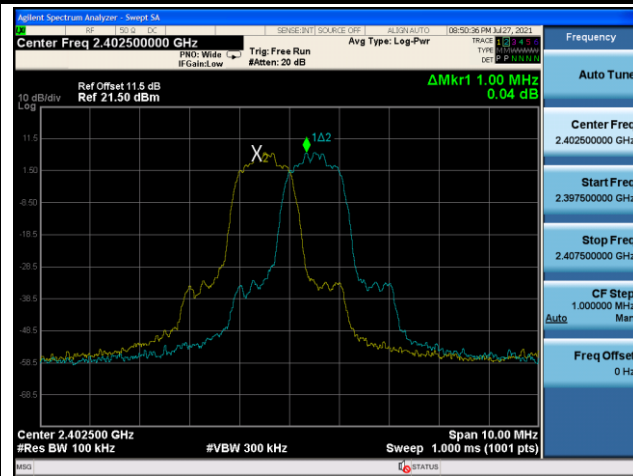
CH78 (2480MHz) DH5(1Mbps)- Channel Separation



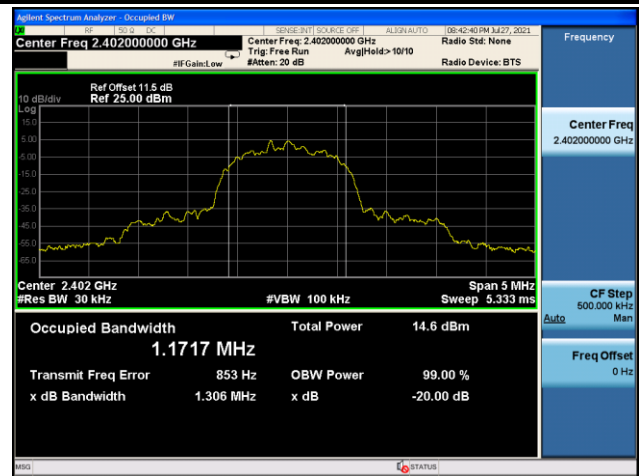
CH78 (2480MHz) DH5(1Mbps)- 20dB Bandwidth



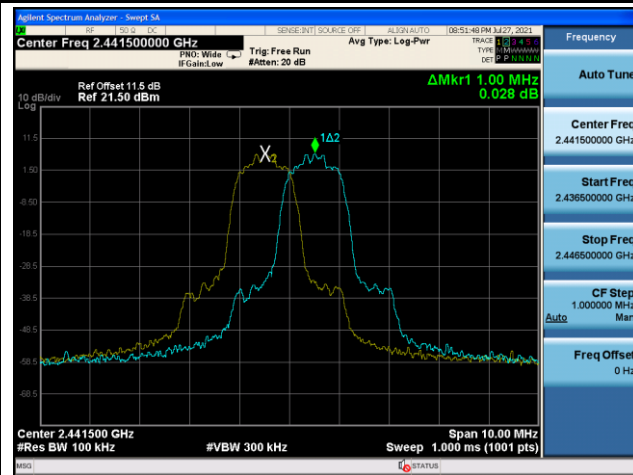
CH00 (2402MHz) 3-DH5(3Mbps)- Channel Separation



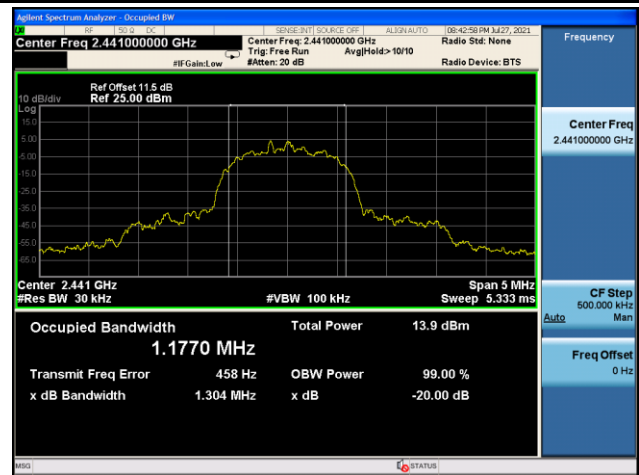
CH00 (2402MHz) 3-DH5(3Mbps)- 20dB Bandwidth



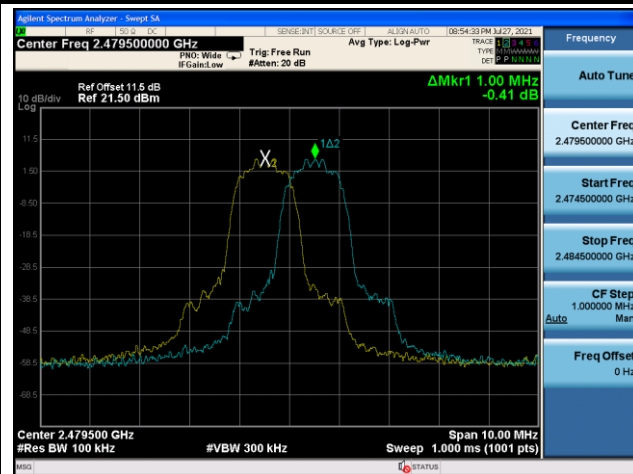
CH39 (2441MHz) 3-DH5(3Mbps)- Channel Separation



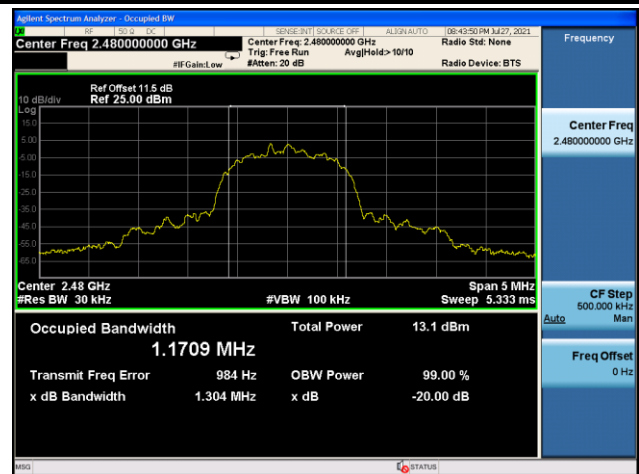
CH39 (2441MHz) 3-DH5(3Mbps)- 20dB Bandwidth



CH78 (2480MHz) 3-DH5(3Mbps)-Channel Separation



CH78 (2480MHz) 3-DH5(3Mbps)- 20dB Bandwidth



5.8. 跳頻頻道數

5.8.1 量測方法

(一) 啟動受測物之跳頻功能。

(二) 頻譜分析儀設定如下：

1. 頻率掃描範圍為受測物之操作頻帶。
2. 解析頻寬不小於1%的頻率掃描範圍，視訊頻寬不小於解析頻寬。
3. 掃描時間為自動，檢波功能為峰值，訊號軌跡為最大保留(Max Hold)

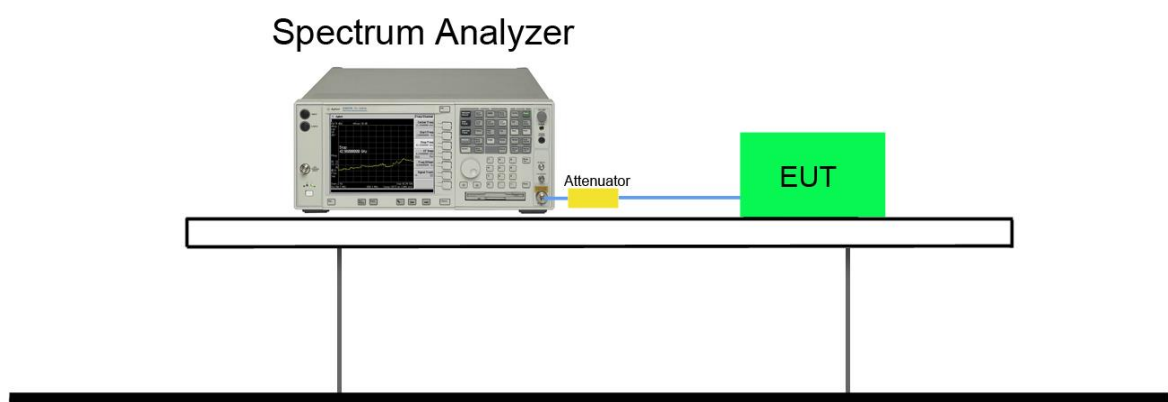
備註: DH1,DH3,DH5為封包傳輸率的差異,其針對此章節無顯著之影響，因此僅檢附DH5為測試數據。

5.8.2 限制要求

(一) 操作於2400 MHz~2483.5 MHz之展頻跳頻系統，須使用至少15 個無重疊的頻道。應使用智慧型跳頻技術，以避免占用於特定跳頻頻道。

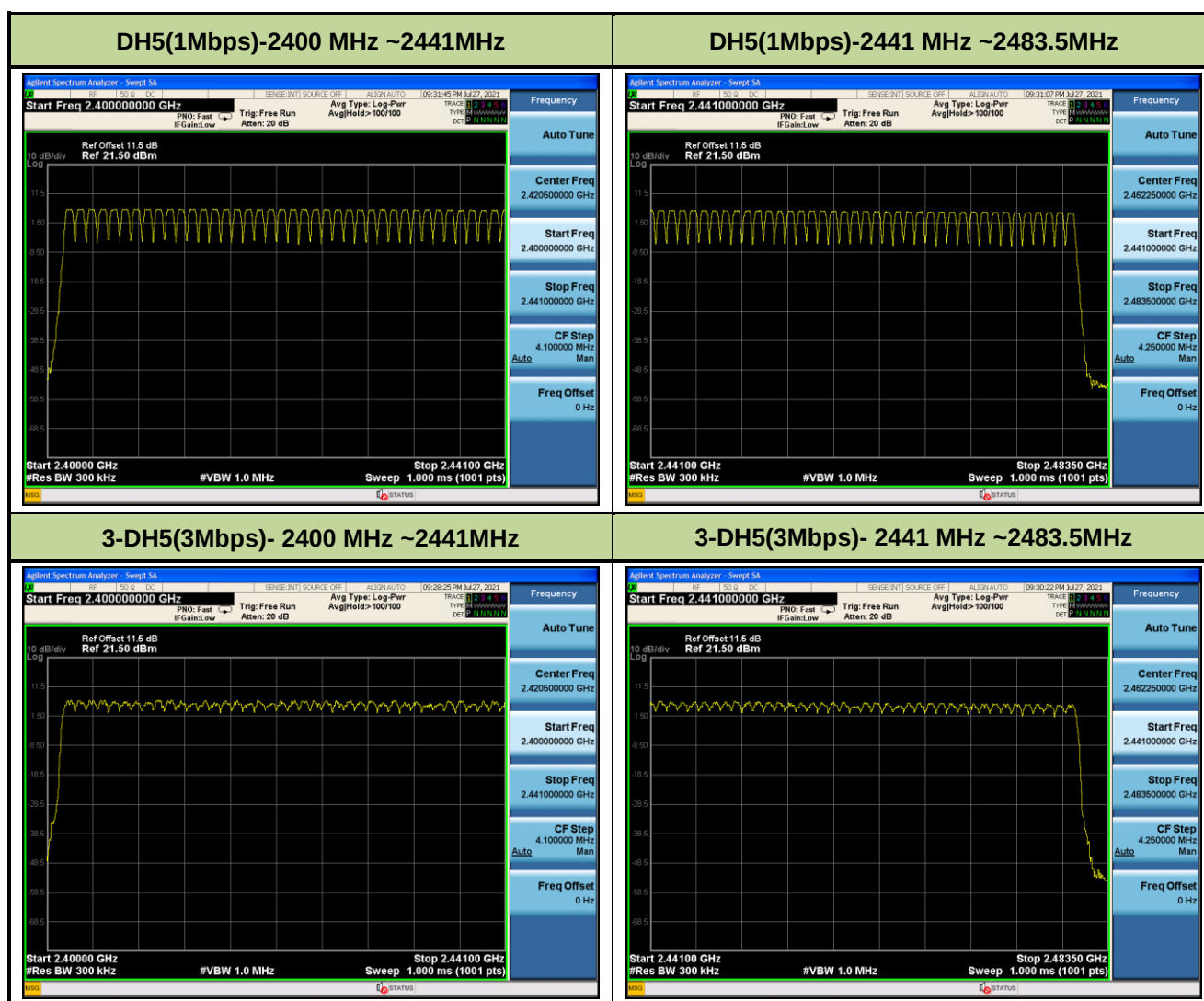
(二) 操作於5725 MHz~5850 MHz 之展頻跳頻系統，至少須使用75 個以上跳頻頻道(hopping channel)，每一跳頻頻道之20 dB頻寬應小於或等於1 MHz。

5.8.3 測試架構圖



5.8.4 跳頻頻道數測試結果

Test Mode (Hopping)	Channel Numbers	Frequency (MHz)	Limit (Hopping Channels)	Result
DH5(1Mbps)	79	2402~2480	≥ 15	Pass
3-DH5(3Mbps)	79	2402~2480	≥ 15	Pass



5.9. 占用時間

5.9.1 量測方法

(一) 啟動受測物之跳頻功能。

(二) 頻譜分析儀設定如下：

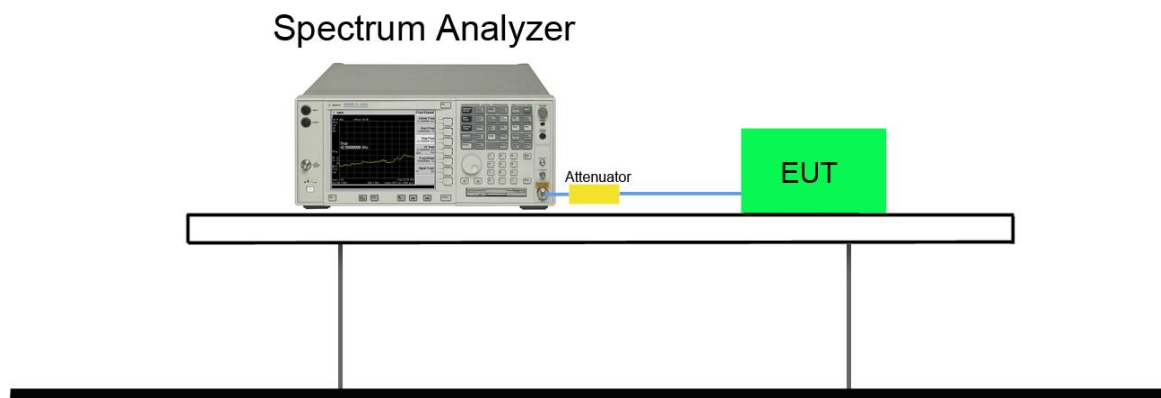
1. 頻率掃描範圍為零，中心頻率為跳頻頻道，解析頻寬為1 MHz，視訊頻寬不小於解析頻寬。
2. 掃描時間為足以測得每一個跳頻頻道之所有停留時間。
3. 檢波功能為峰值，訊號軌跡為最大保留(Max Hold)
4. 利用差值記號功能以決定停留時間。若該值會因不同操作模式而異，對不同模式重複此測試。

5.9.2 限制要求

(一) 操作於2400 MHz~2483.5 MHz之展頻跳頻系統在0.4 秒乘以跳頻頻道數之週期內，任一頻率占用之平均時間應小於或等於0.4 秒。應使用智慧型跳頻技術，以避免占用於特定跳頻頻道。

(二) 操作於5725 MHz~5850 MHz 之展頻跳頻系統在30秒週期內，任一頻率占用之平均時間應小於或等於0.4 秒。應使用智慧型跳頻技術，以避免占用於特定跳頻頻道。

5.9.3 測試架構圖



5.9.4 占用時間測試結果

Test Mode	Frequency (MHz)	Time of Occupancy (ms)	Hopping of Numbers	Sweep time (ms)	Duty cycle	Dwell Time (Sec)	Limit (Sec)	Result
DH5(1Mbps)	2402	2.88	13	50	0.75	0.30	0.4	Pass
	2441	2.89	13	50	0.75	0.30	0.4	Pass
	2480	2.88	13	50	0.75	0.30	0.4	Pass
3-DH5(3Mbps)	2402	2.89	13	50	0.75	0.30	0.4	Pass
	2441	2.89	13	50	0.75	0.30	0.4	Pass
	2480	2.89	13	50	0.75	0.30	0.4	Pass

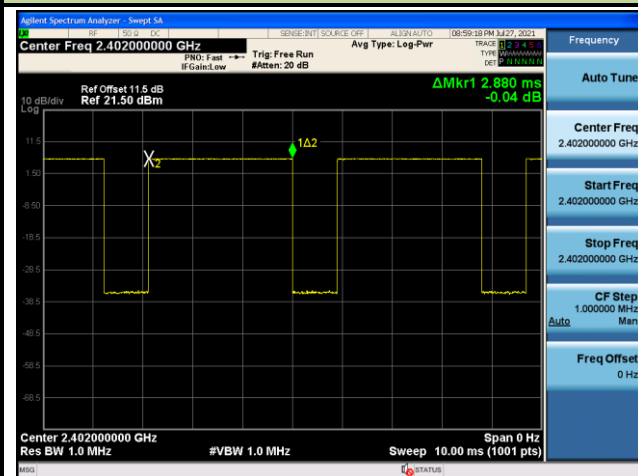
備註：(1) $\text{Duty cycle} = ((\text{Time slot length (ms)} * \text{Hopping of Number}) / \text{Sweep time (ms)})$ 。

$\text{Dwell time} = ((\text{Duty cycle} * (\text{Time Period} < 0.4 * 79 >)) / (\text{Total Hopping of Number} < 79 >))$

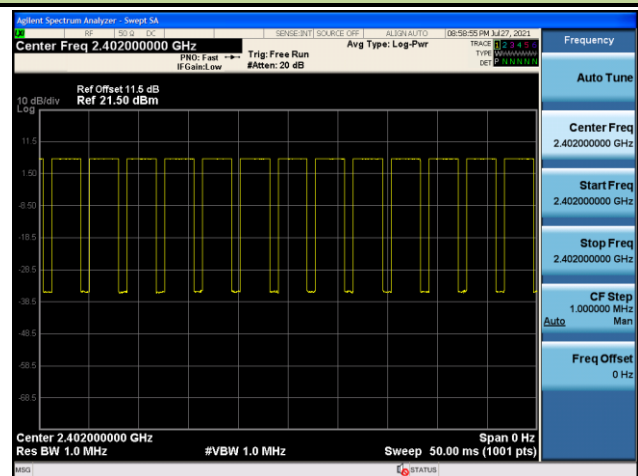
(2) 經初測驗證過，Dwell Time 針對測試頻道數並無明顯差異，故僅檢附最差狀況之測試頻道。

(3) 封包型式共分為 DH1,DH3,DH5 ,僅列最差之模式呈現在報告中。

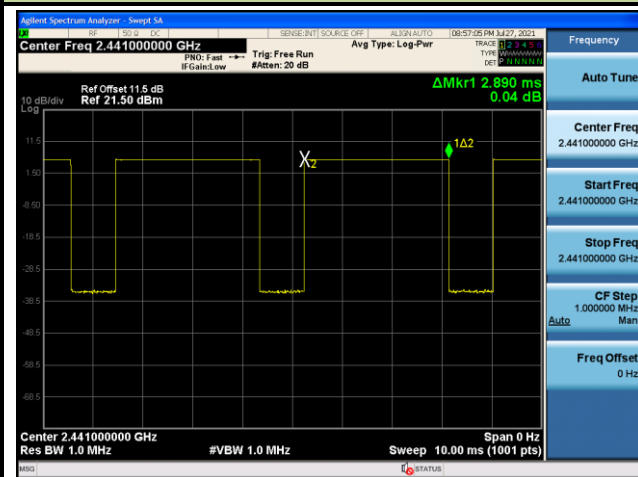
CH00 (2402MHz) DH5(1 Mbps)- Duty Cycle



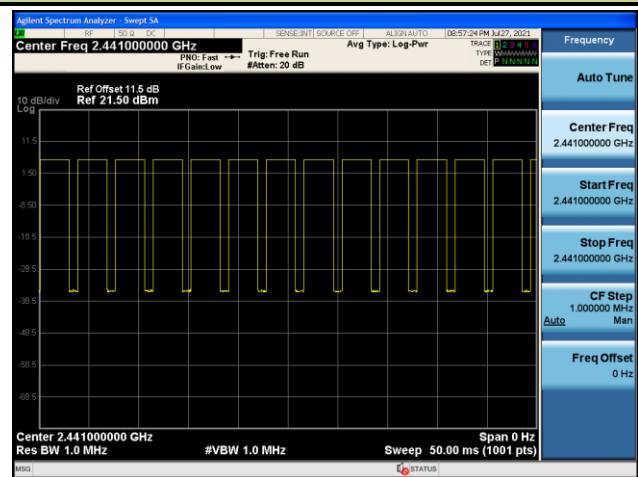
CH00 (2402MHz) DH5(1 Mbps)- Dwell time



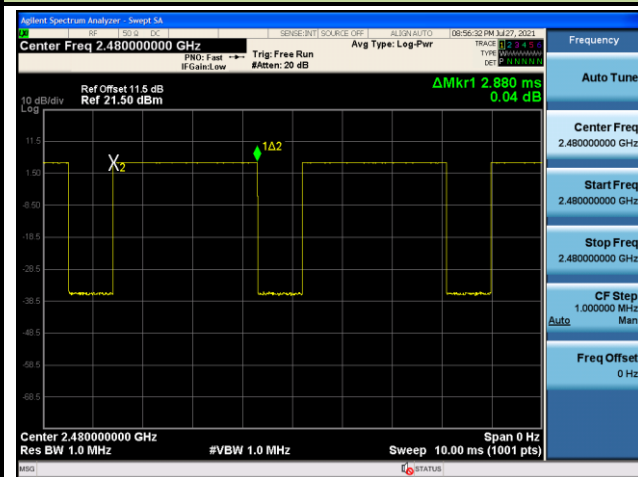
CH39 (2441MHz) DH5(1 Mbps)- Duty Cycle



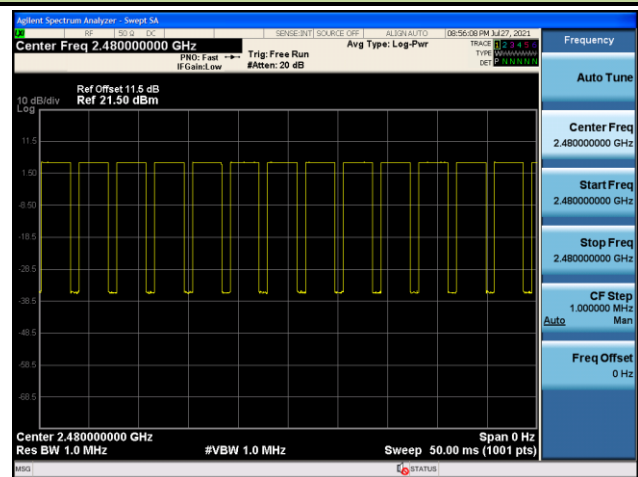
CH39 (2441MHz) DH5(1 Mbps)- Dwell time



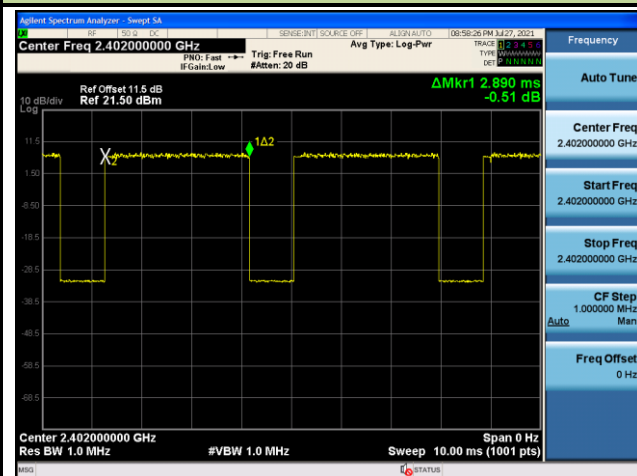
CH78 (2480MHz) DH5(1 Mbps)- Duty Cycle



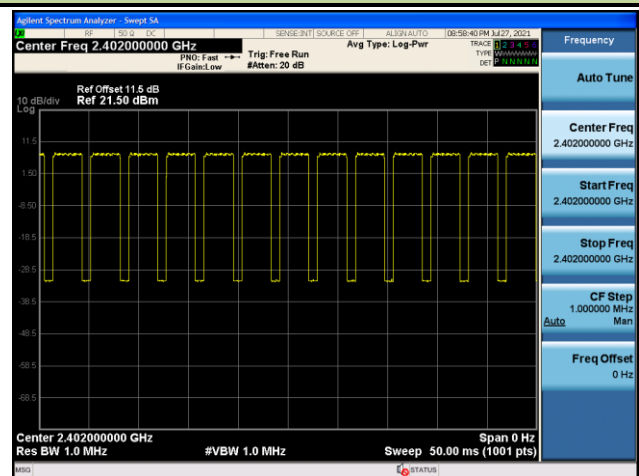
CH78 (2480MHz) DH5(1 Mbps)- Dwell time



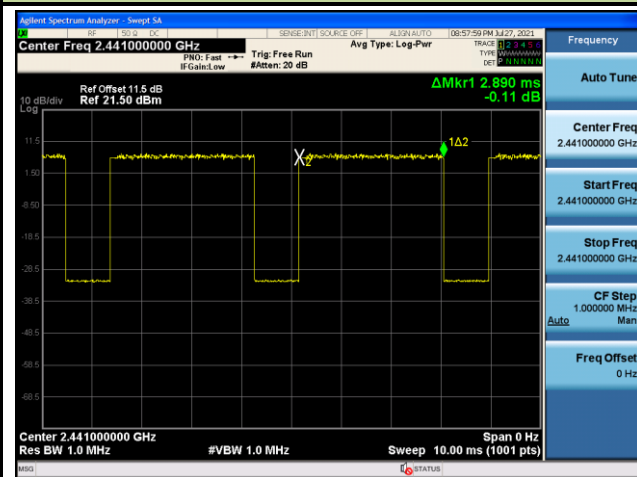
CH00 (2402MHz) 3-DH5(3 Mbps)- Duty Cycle



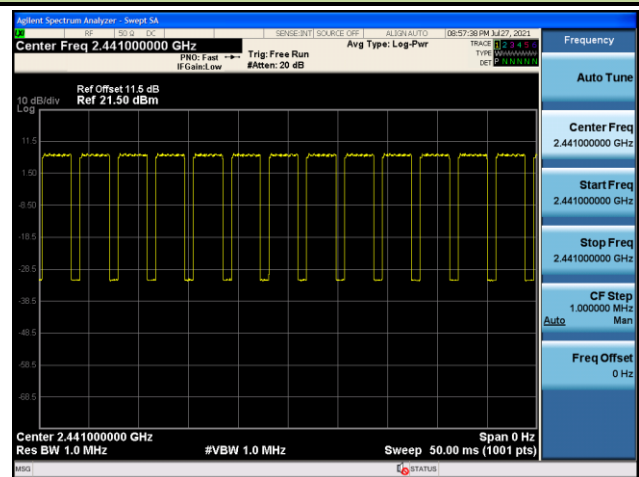
CH00 (2402MHz) 3-DH5(3 Mbps)- Dwell time



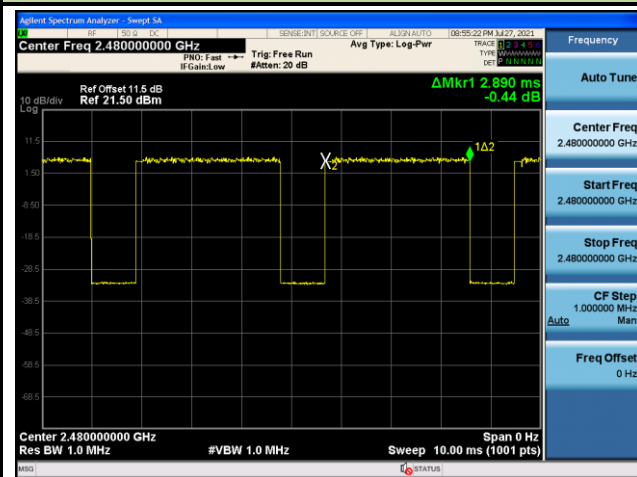
CH39 (2441MHz) 3-DH5(3 Mbps)- Duty Cycle



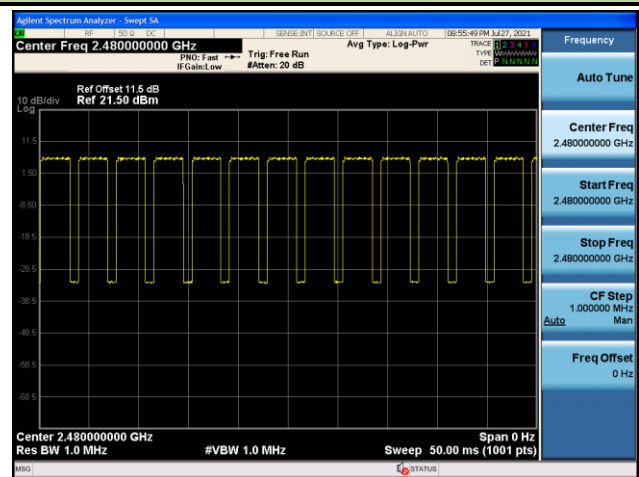
CH39 (2441MHz) 3-DH5(3 Mbps)- Dwell time



CH78 (2480MHz) 3-DH5(3 Mbps)- Duty Cycle



CH78 (2480MHz) 3-DH5(3 Mbps)- Dwell time



The End