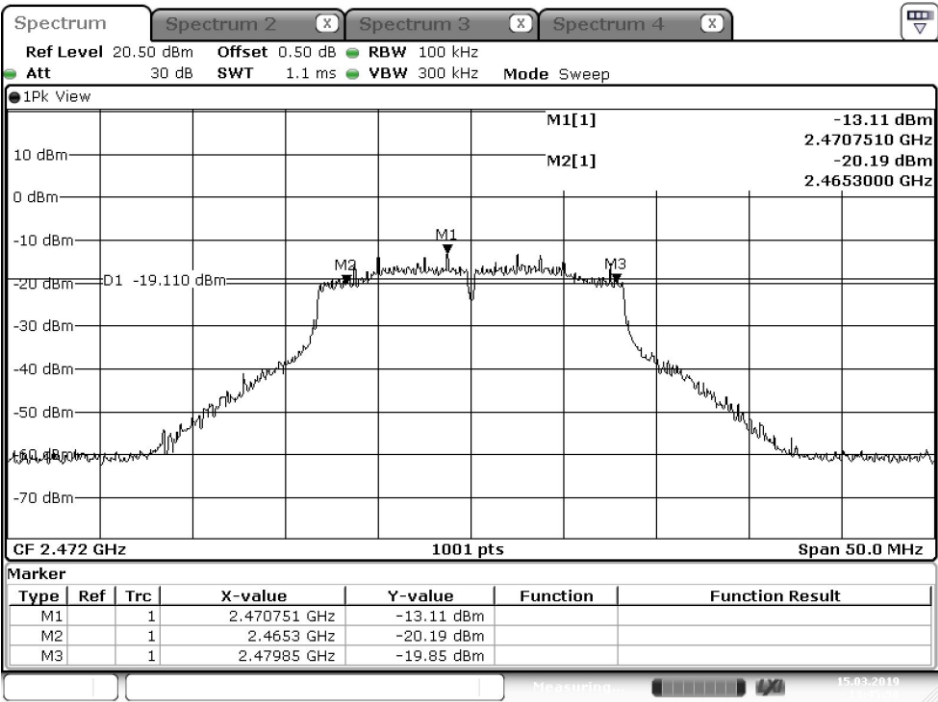


Figure Channel 13:



Date: 15.MAR.2019 13:45:59

待測物名稱：Intel® Dual Band Wireless-AC 7265

待測物型號：7265NGW

測試項目：佔用頻帶寬度

測試頻道：--

測試模式：Mode 1: 發射器 802.11n-20MHz

6 dB 頻寬：100kHz

視頻頻寬：300kHz

量測天線：--

測試距離：Conducted

檢測器：峰值

環境溫度：20 °C

測試日期：108 年 03 月 15 日

環境濕度：52 %

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	A	15200	>500	Pass
		B	16350	>500	Pass
06	2437	A	16650	>500	Pass
		B	17050	>500	Pass
11	2462	A	15200	>500	Pass
		B	16400	>500	Pass
12	2467	A	15250	>500	Pass
		B	15200	>500	Pass
13	2472	A	15250	>500	Pass
		B	15800	>500	Pass

Figure Channel 01 (Chain A)

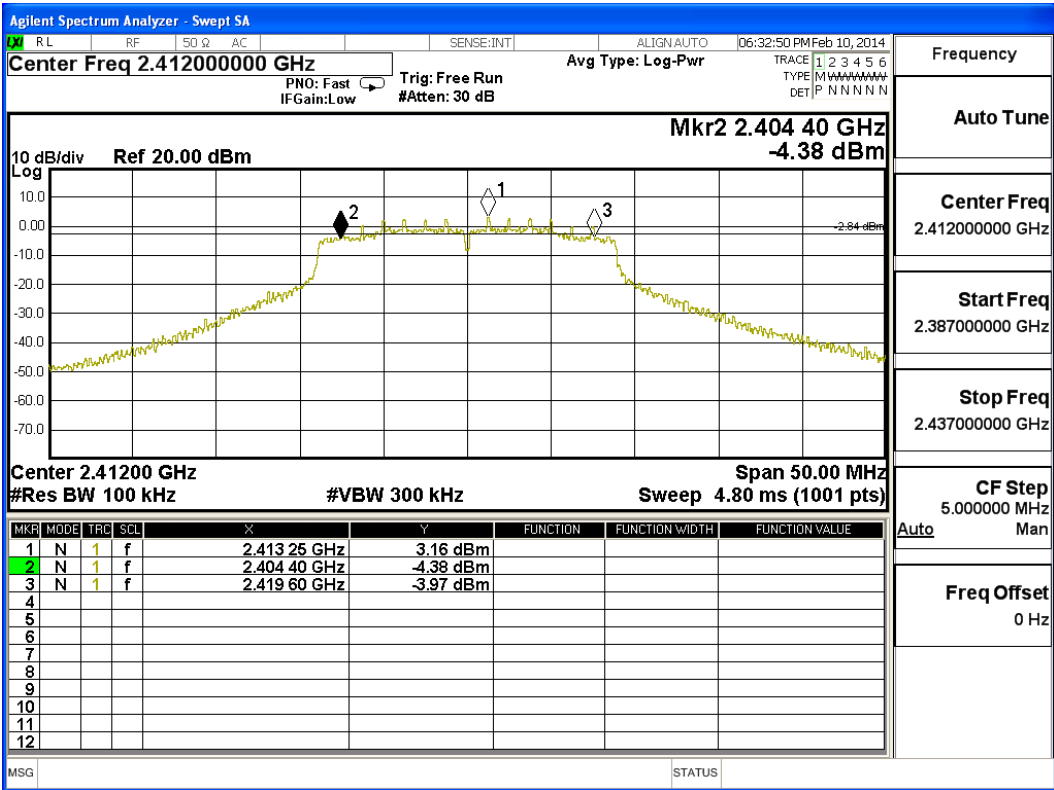


Figure Channel 01 (Chain B)

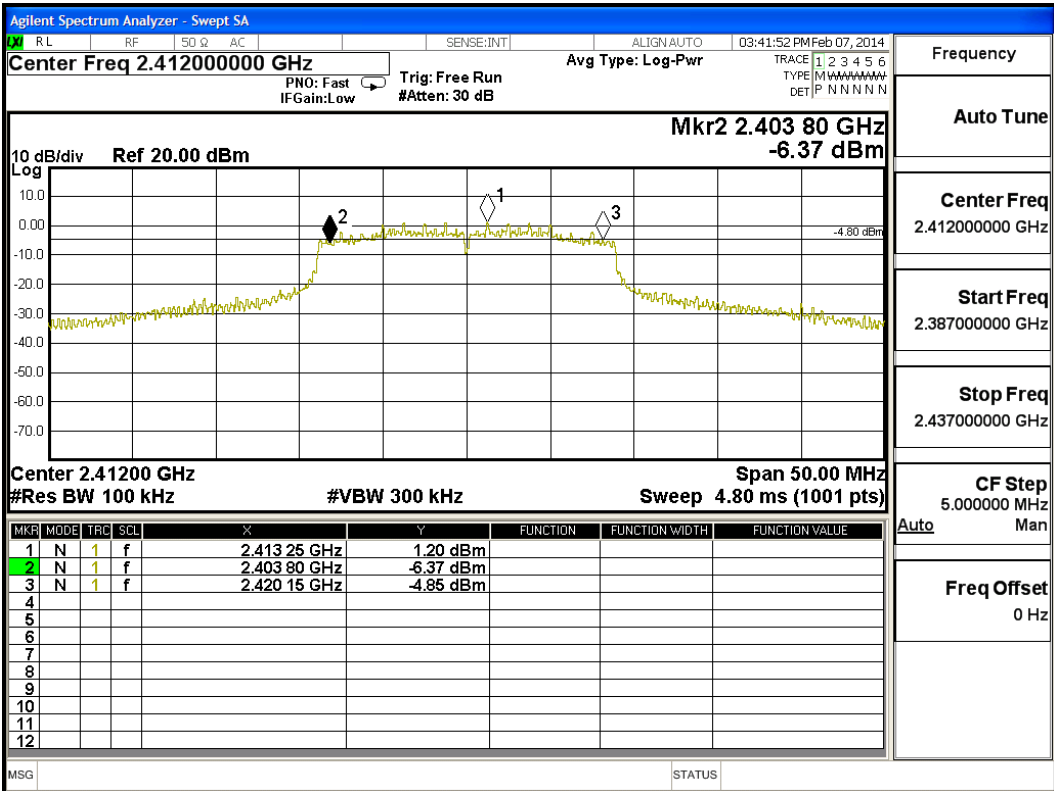


Figure Channel 06 (Chain A)

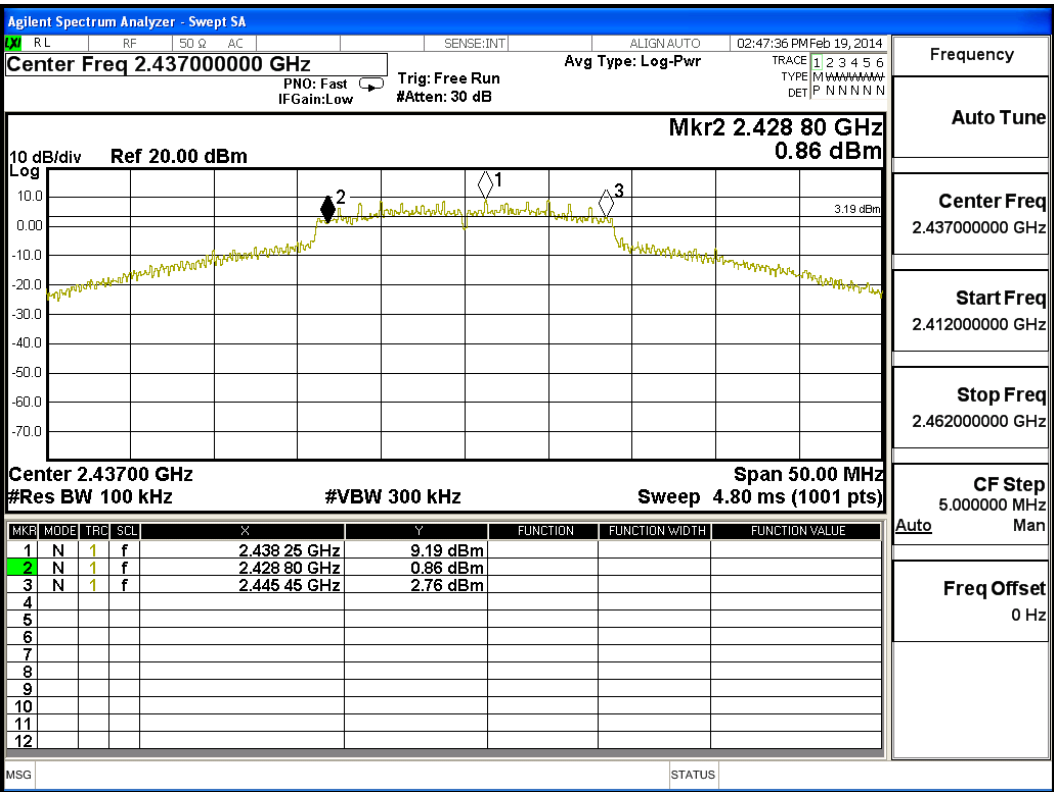


Figure Channel 06 (Chain B)

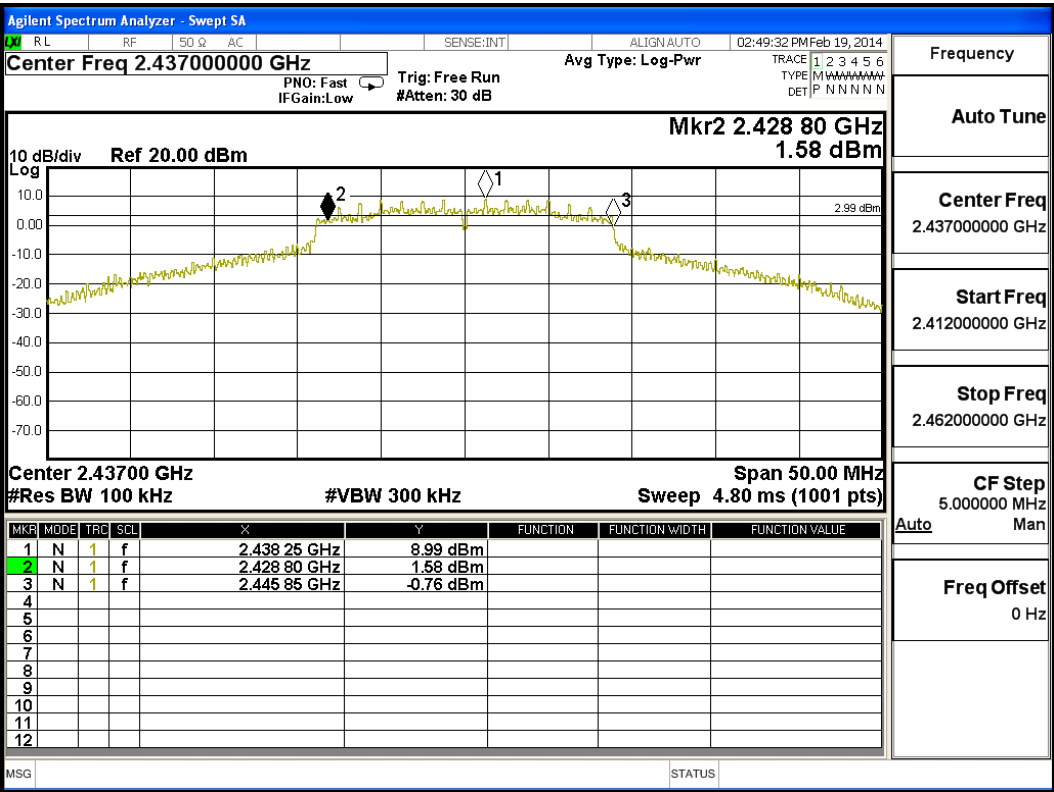


Figure Channel 11 (Chain A)

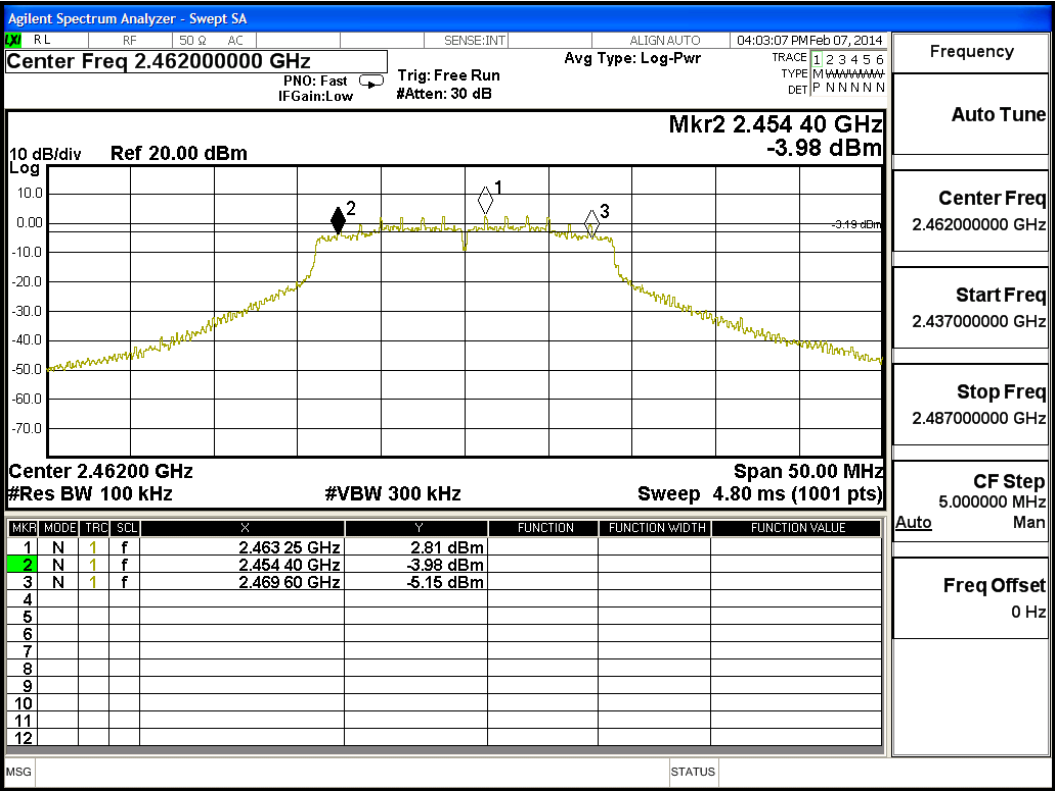


Figure Channel 11 (Chain B)

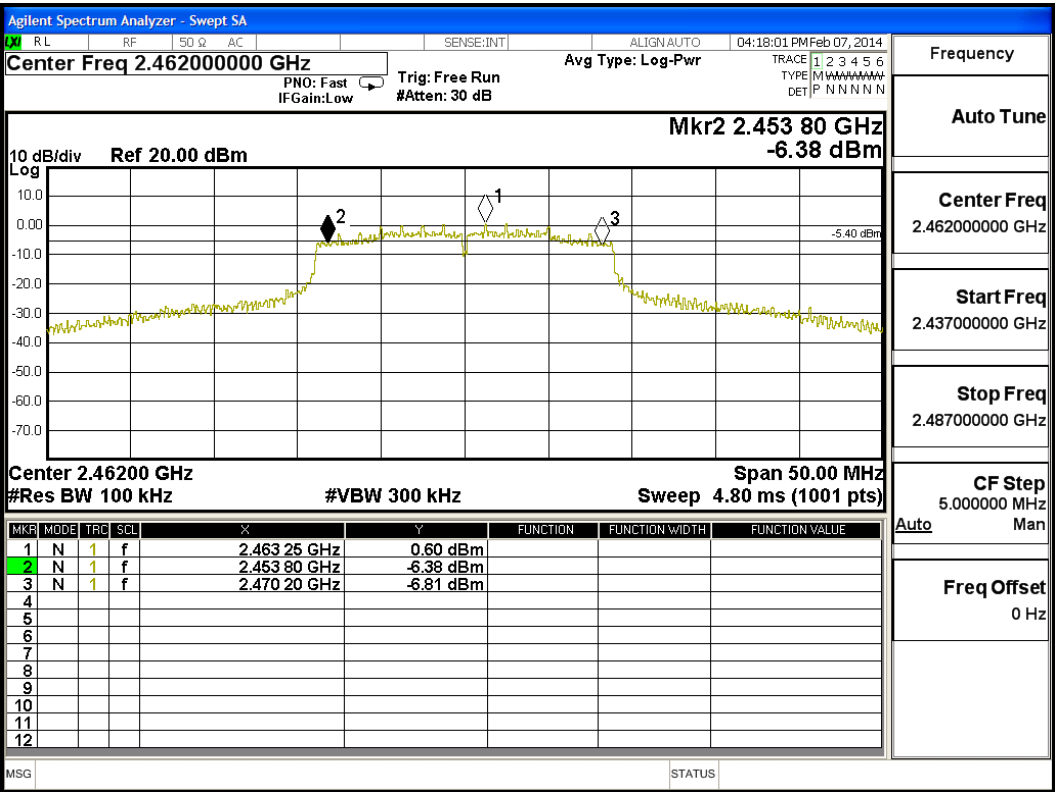
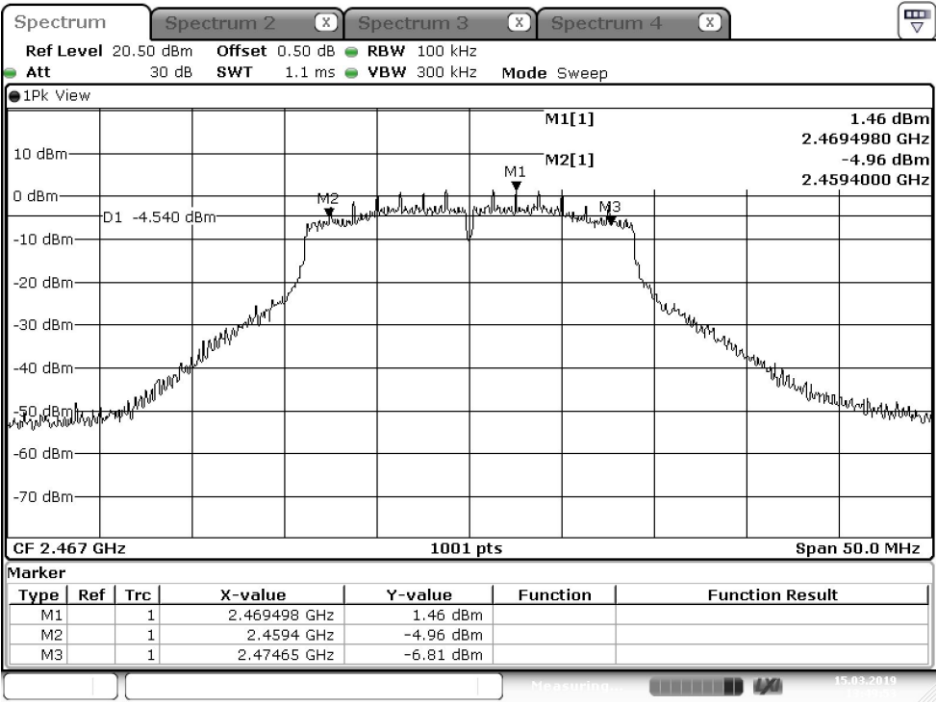
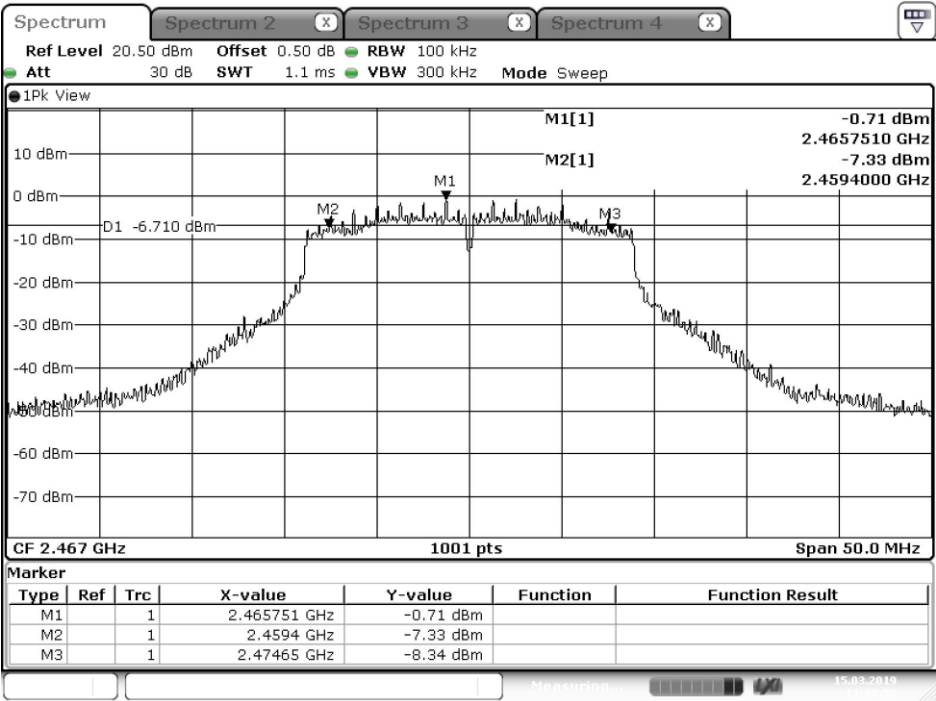


Figure Channel 12 (Chain A)



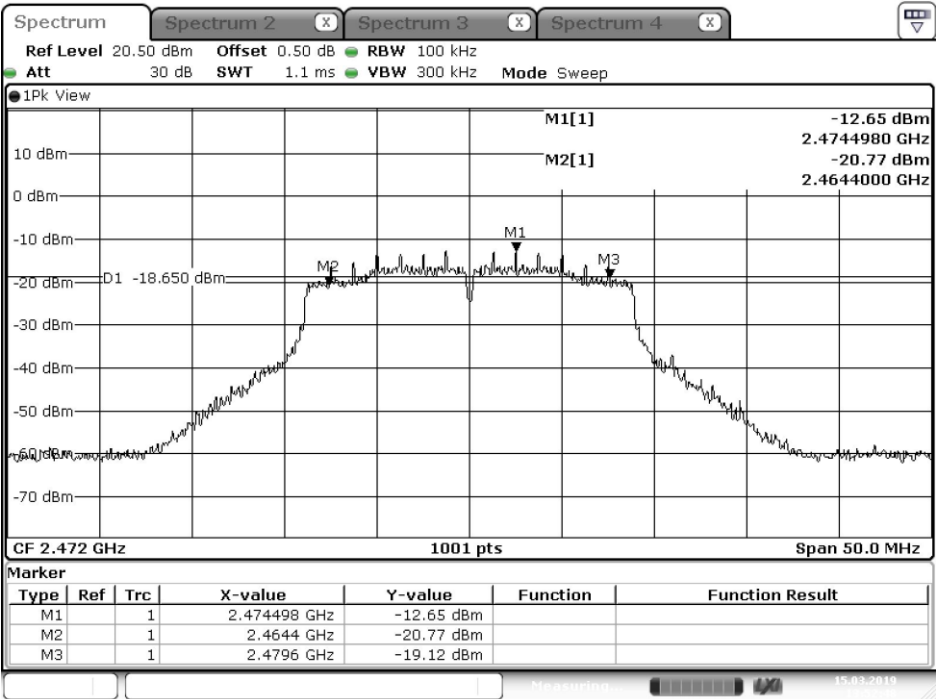
Date: 15.MAR.2019 13:49:53

Figure Channel 12 (Chain B)



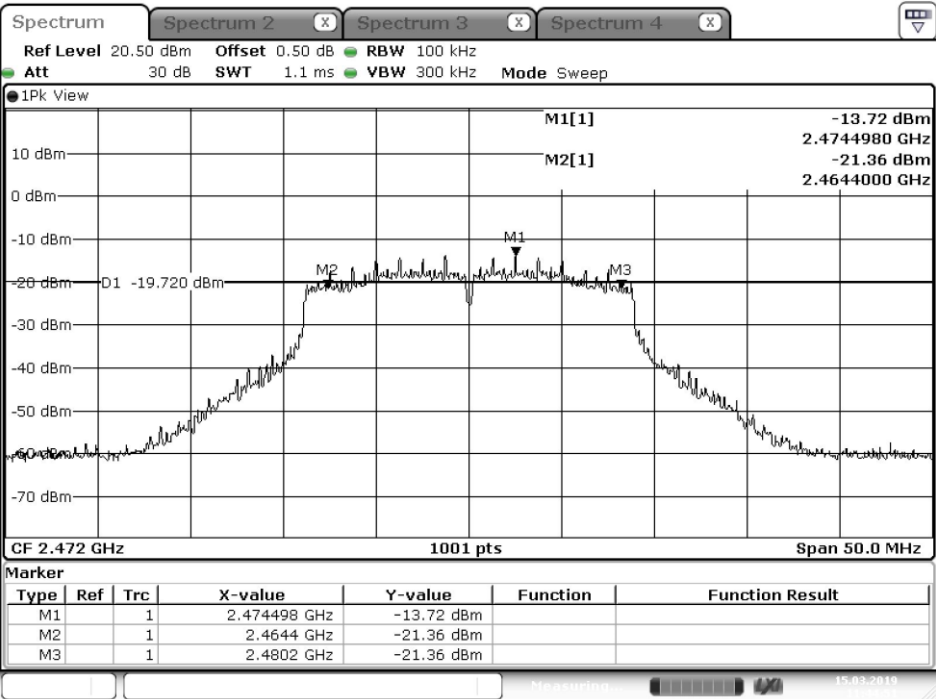
Date: 15.MAR.2019 11:39:50

Figure Channel 13 (Chain A)



Date: 15.MAR.2019 13:52:48

Figure Channel 13 (Chain B)



Date: 15.MAR.2019 11:44:51

待測物名稱：Intel® Dual Band Wireless-AC 7265

待測物型號：7265NGW

測試項目：佔用頻帶寬度

測試頻道：--

測試模式：Mode 1: 發射器 802.11n-40MHz

6 dB 頻寬：100kHz

視頻頻寬：300kHz

量測天線：--

測試距離：Conducted

檢測器：峰值

環境溫度：20 °C

測試日期：108 年 03 月 15 日

環境濕度：52 %

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
03	2422	A	35300	>500	Pass
		B	35300	>500	Pass
06	2437	A	35200	>500	Pass
		B	35400	>500	Pass
09	2452	A	35400	>500	Pass
		B	35400	>500	Pass
10	2457	A	35300	>500	Pass
		B	35300	>500	Pass
11	2462	A	35300	>500	Pass
		B	35300	>500	Pass

Figure Channel 03 (Chain A)

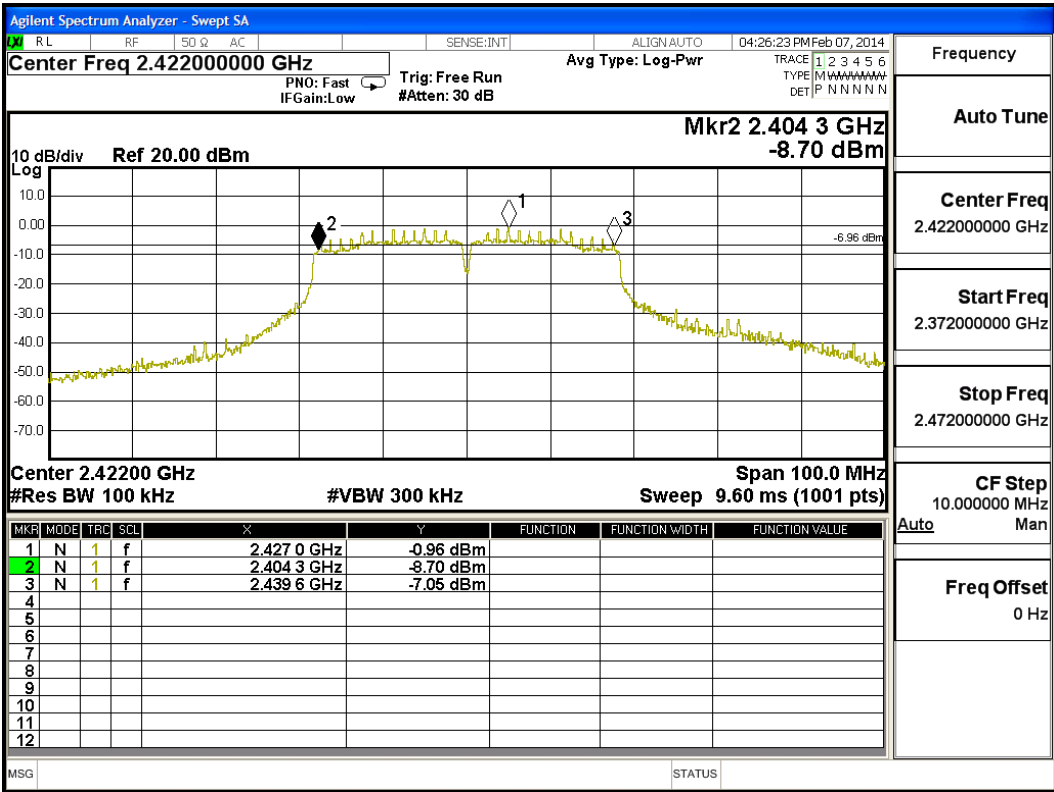


Figure Channel 03 (Chain B)

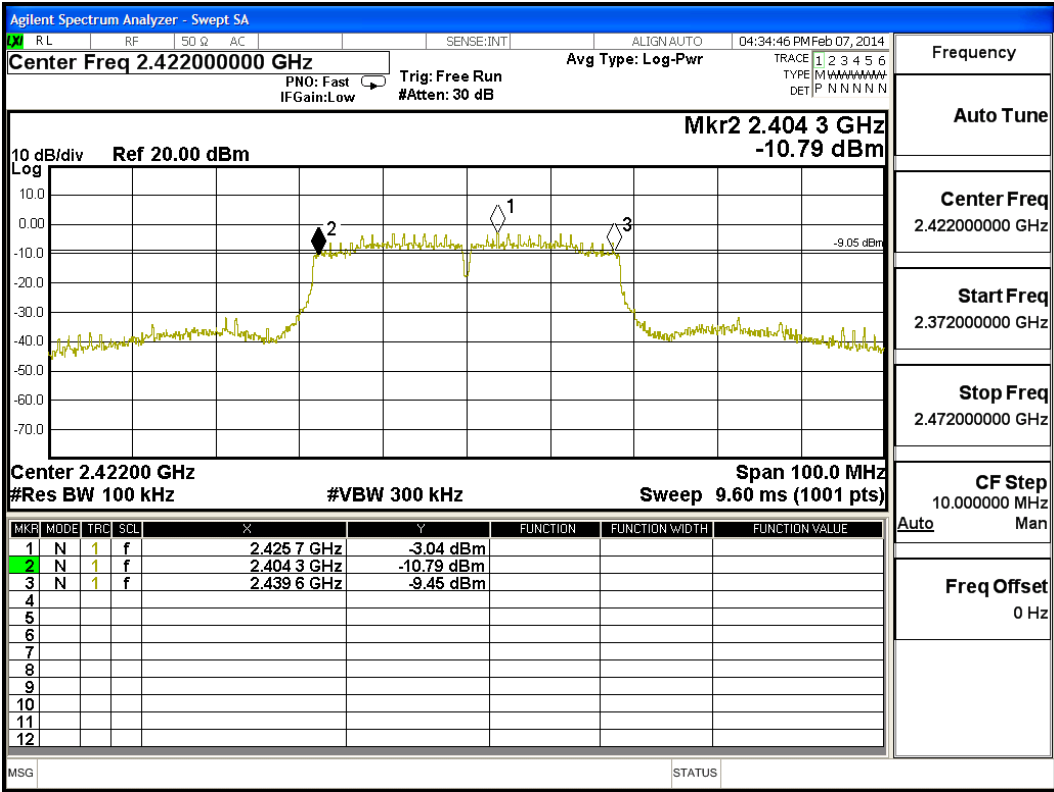


Figure Channel 06 (Chain A)

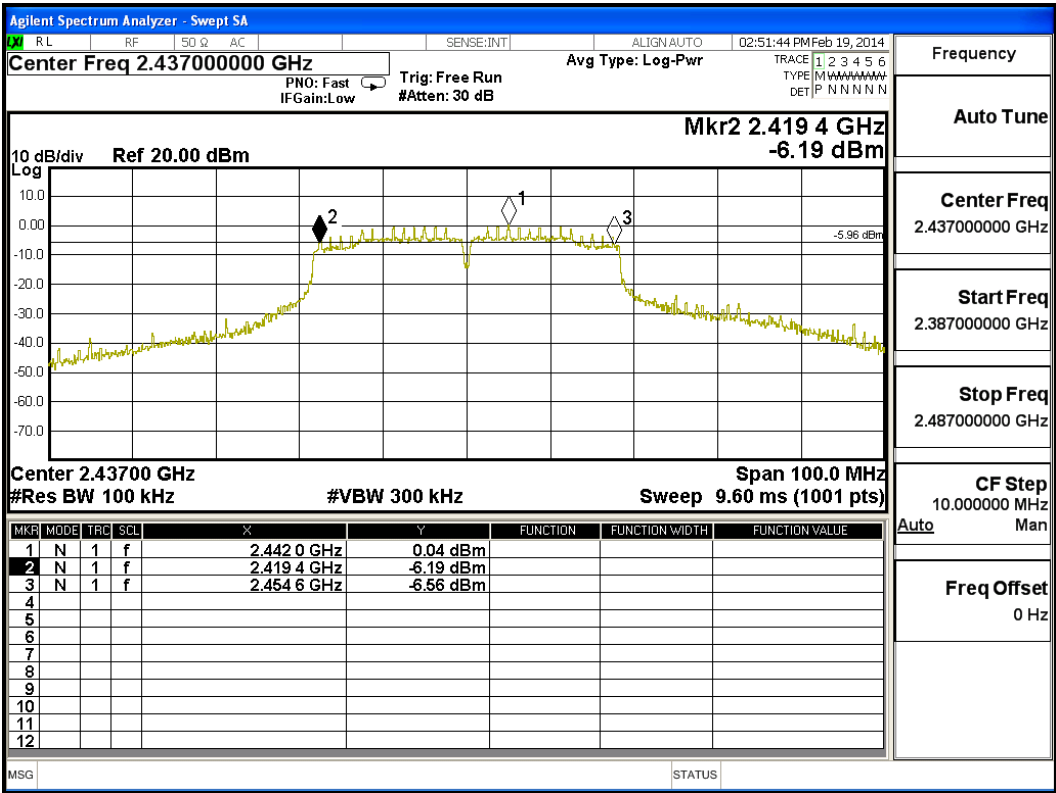


Figure Channel 06 (Chain B)

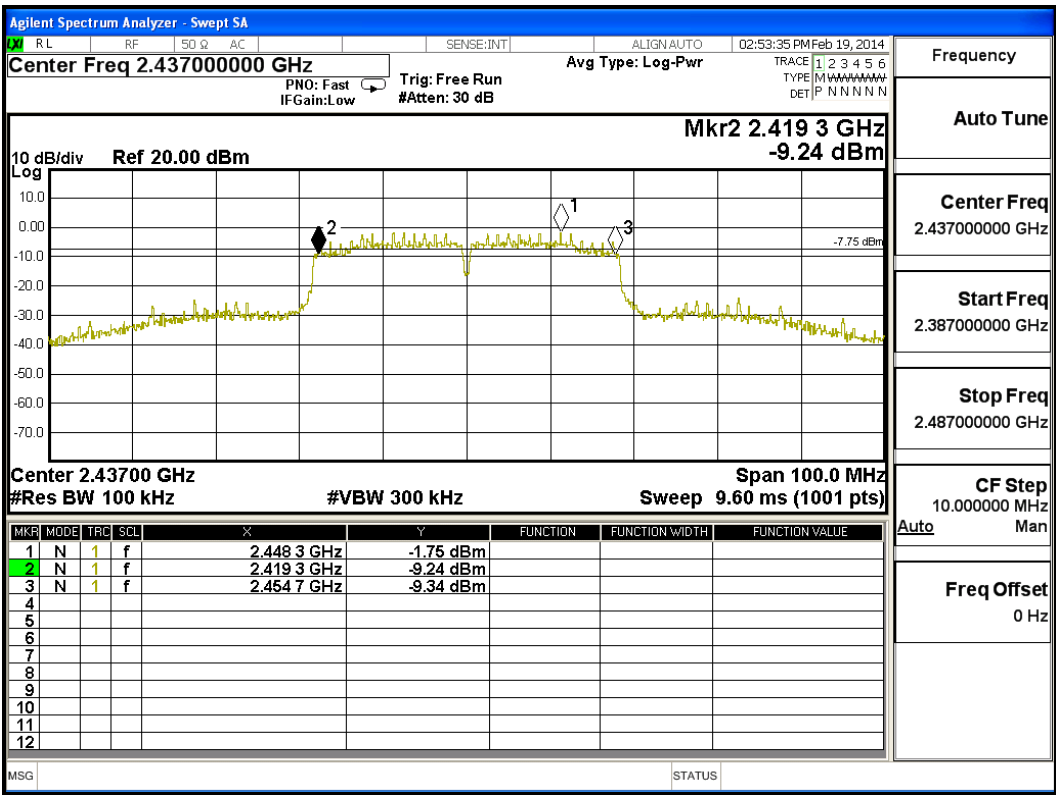


Figure Channel 09 (Chain A)

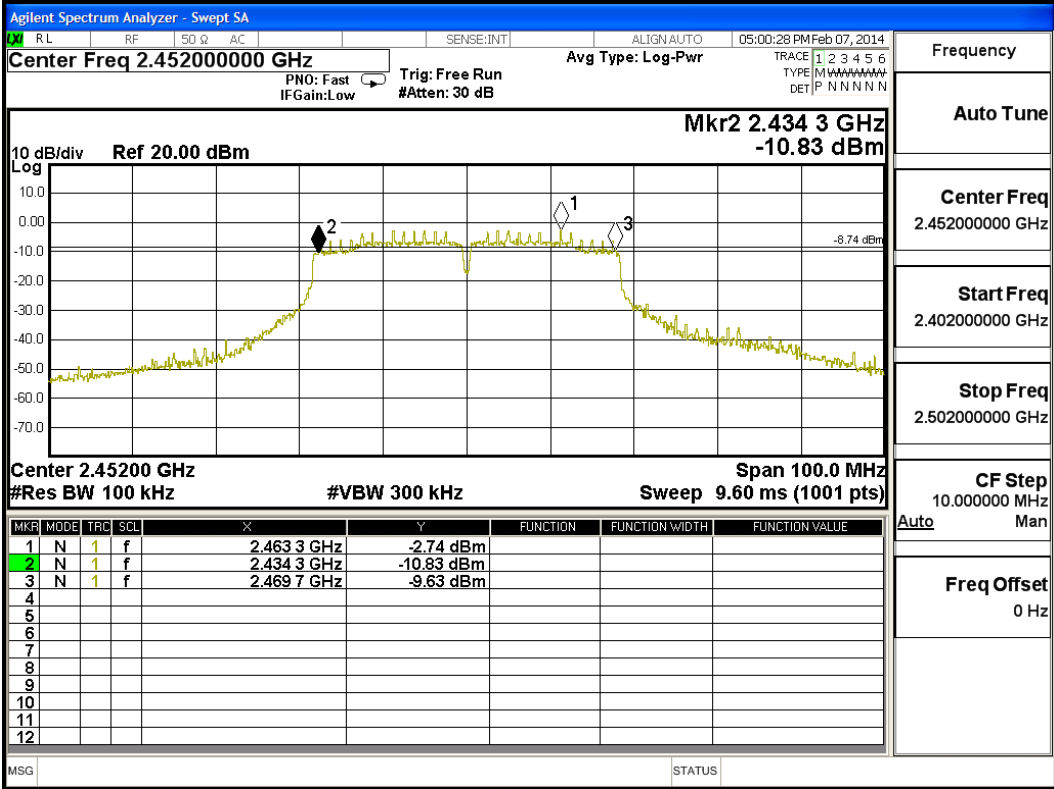


Figure Channel 09 (Chain B)

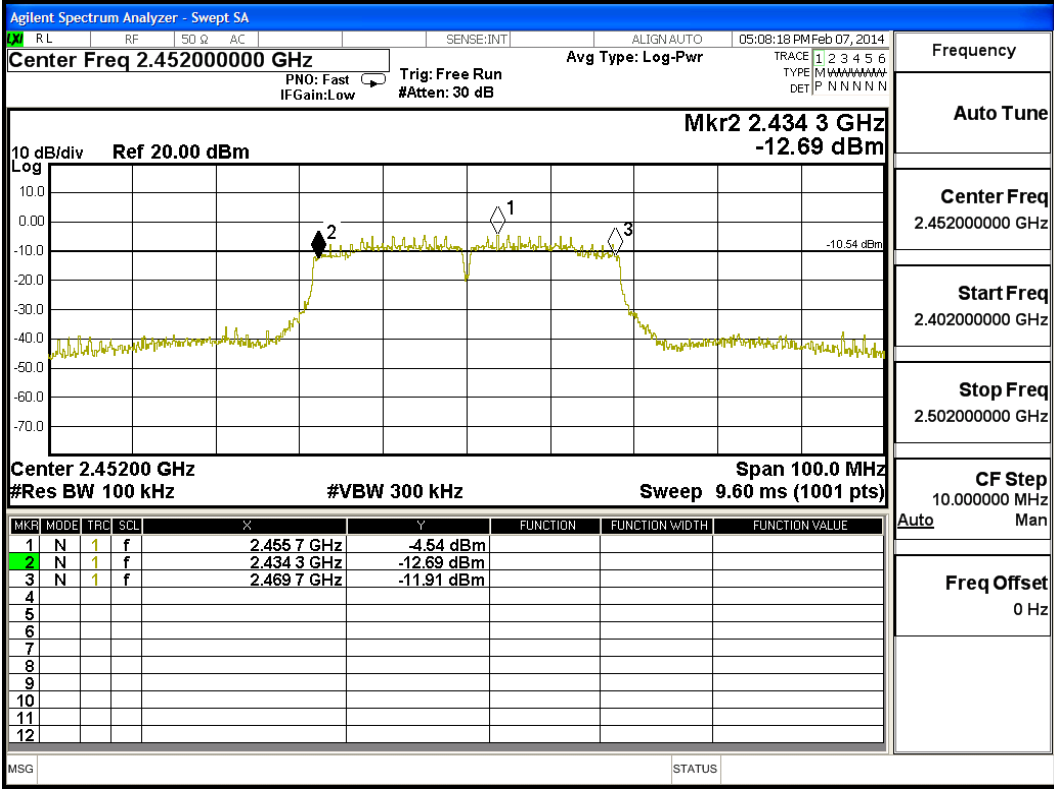
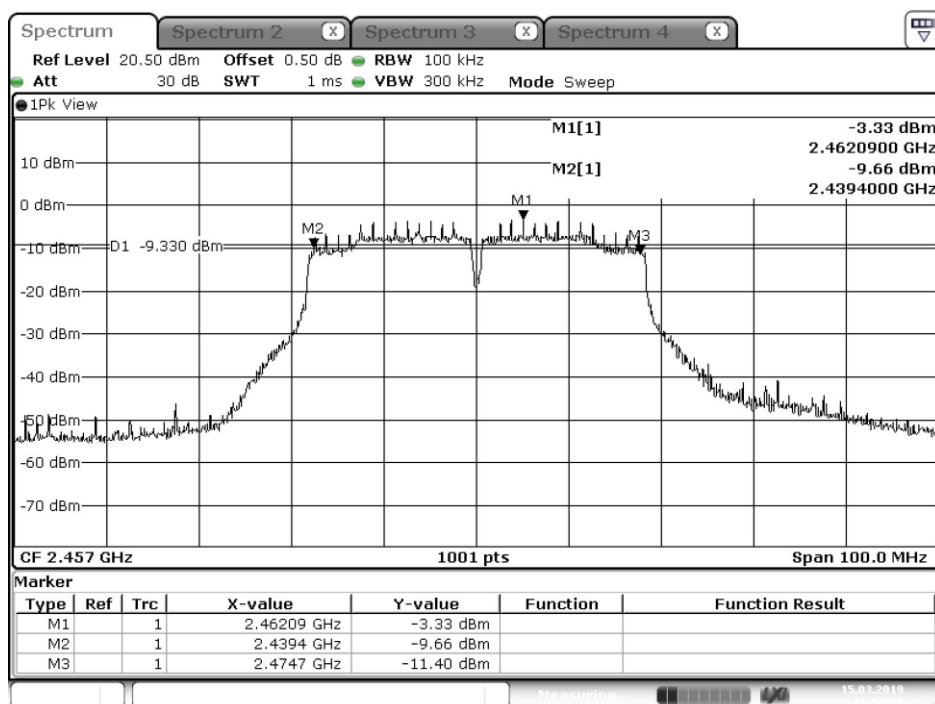
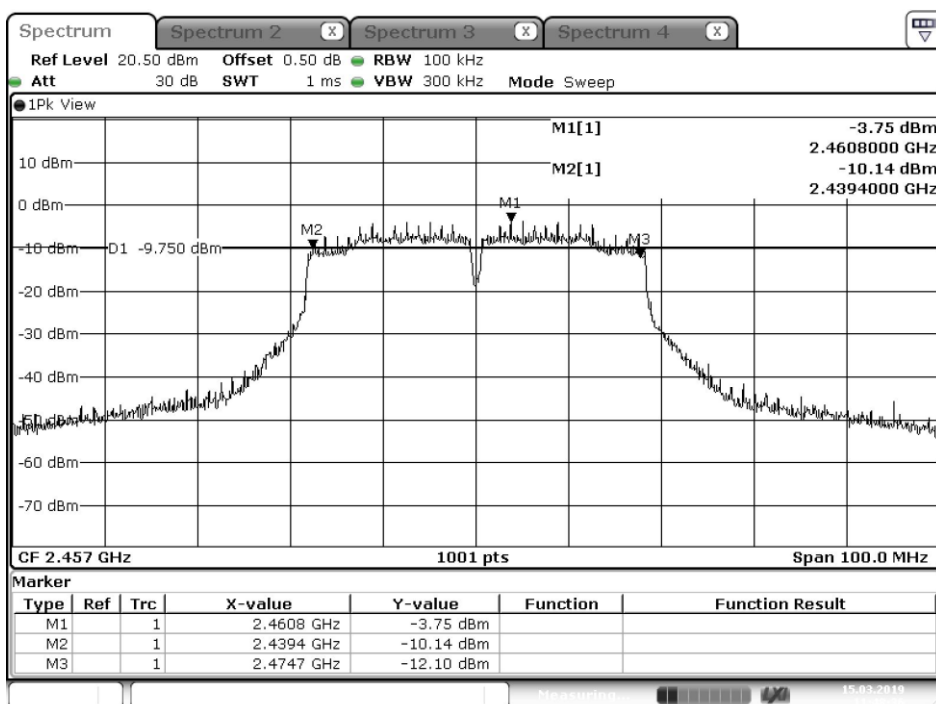


Figure Channel 10 (Chain A)



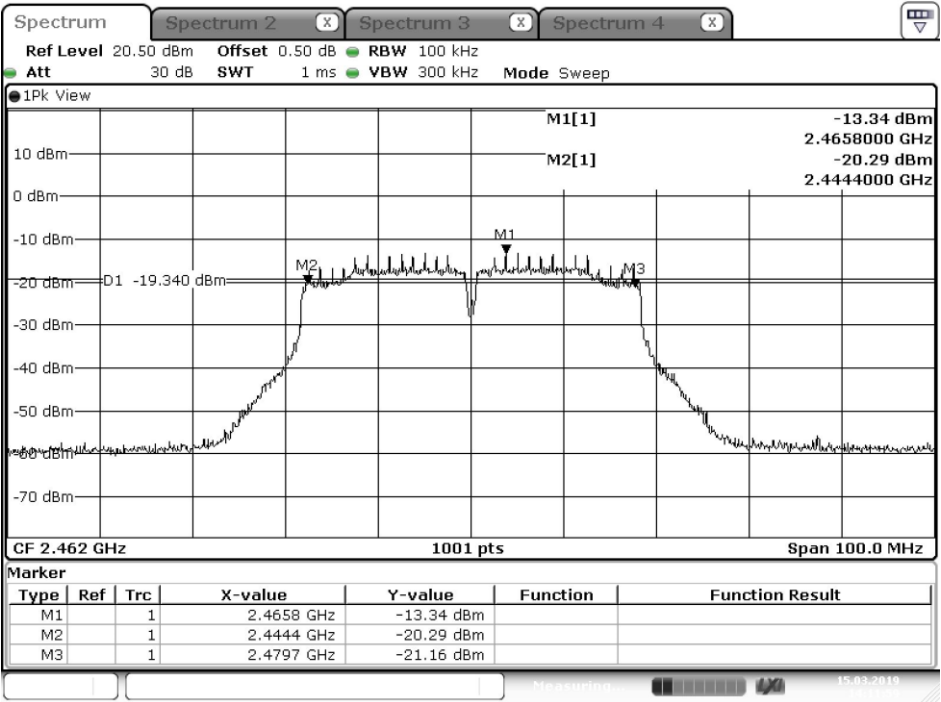
Date: 15.MAR.2019 13:57:03

Figure Channel 10 (Chain B)



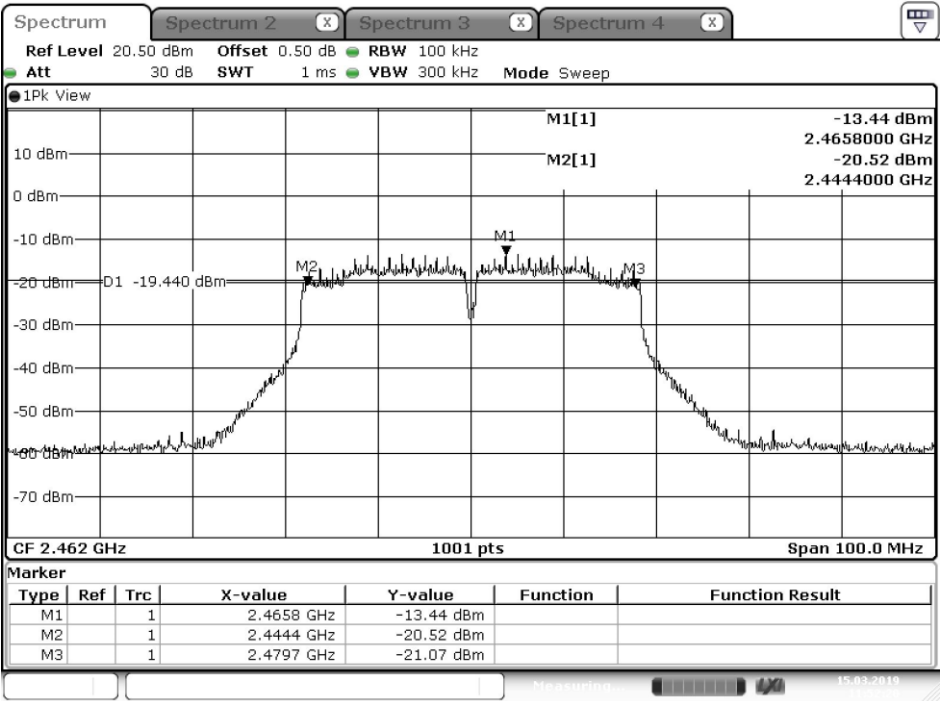
Date: 15.MAR.2019 11:48:37

Figure Channel 11 (Chain A)



Date: 15.MAR.2019 14:12:00

Figure Channel 11 (Chain B)



Date: 15.MAR.2019 11:52:21

佔用頻道寬度測試結果:

PASS

10. 發射電功率密度

10.1. 適用標準

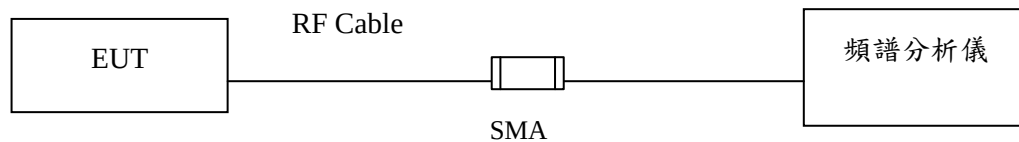
依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.6 節，在使用頻率範圍之任意 3 千赫(kHz)頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm，且應依 3.10.1.3 之方式降低功率頻譜密度限制值。

10.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端。找出發射峰值並擴展於通帶內，設定頻譜分析儀之解析度頻寬為 3kHz，視訊頻寬大於解析度頻寬，掃瞄時間為頻率掃瞄範圍除以 3kHz。(SWEEP TIME = SPAN/3kHz)。

待測物應在正常發射狀態下量測。

10.3. 測試架構圖



10.4. 量測不確定度

此項測試之量測不確定度為±1.23dB。

10.5. 功率密度量測結果

待測物名稱：Intel® Dual Band Wireless-AC 7265

待測物型號：7265NGW

測試項目：功率密度

測試頻道：--

測試模式：Mode 1: 發射器 802.11b

量測天線：--

測試距離：Conducted

檢測器：峰值

環境溫度：20 °C

測試日期：103 年 02 月 18 日

環境濕度：50 %

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	-7.214	$\leq 8\text{dBm}$	Pass
06	2437	-6.484	$\leq 8\text{dBm}$	Pass
11	2462	-6.693	$\leq 8\text{dBm}$	Pass
12	2467	6.230	$\leq 8\text{dBm}$	Pass
13	2472	3.800	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

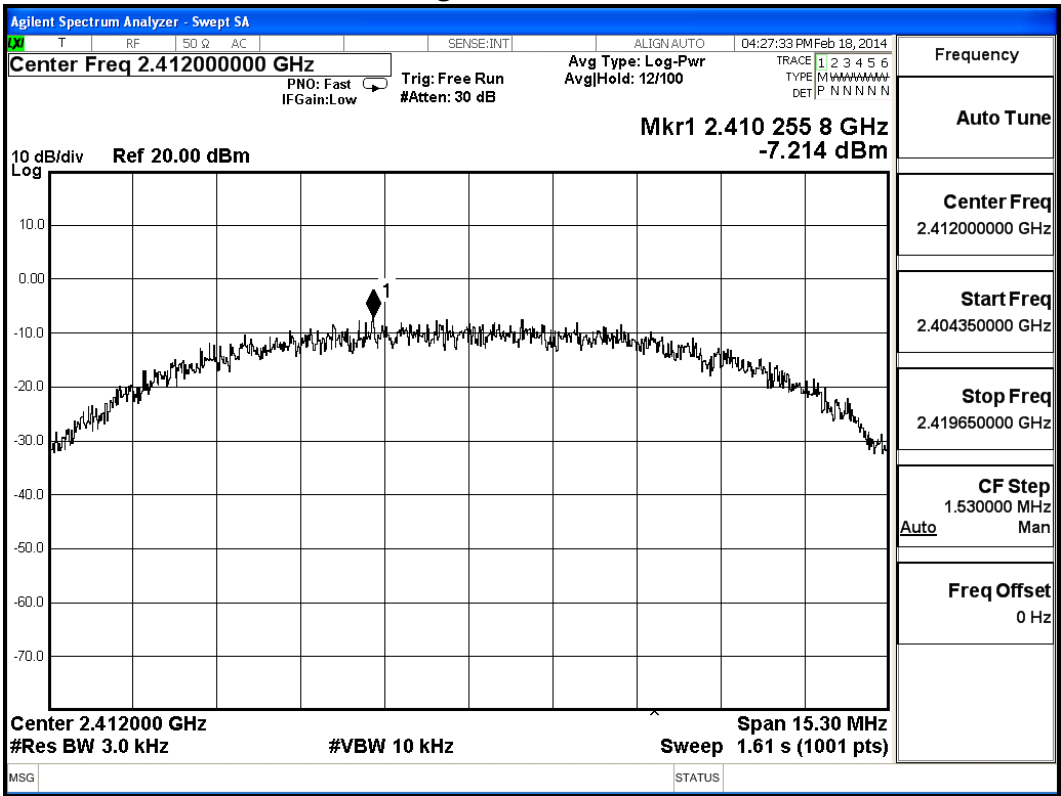


Figure Channel 06:

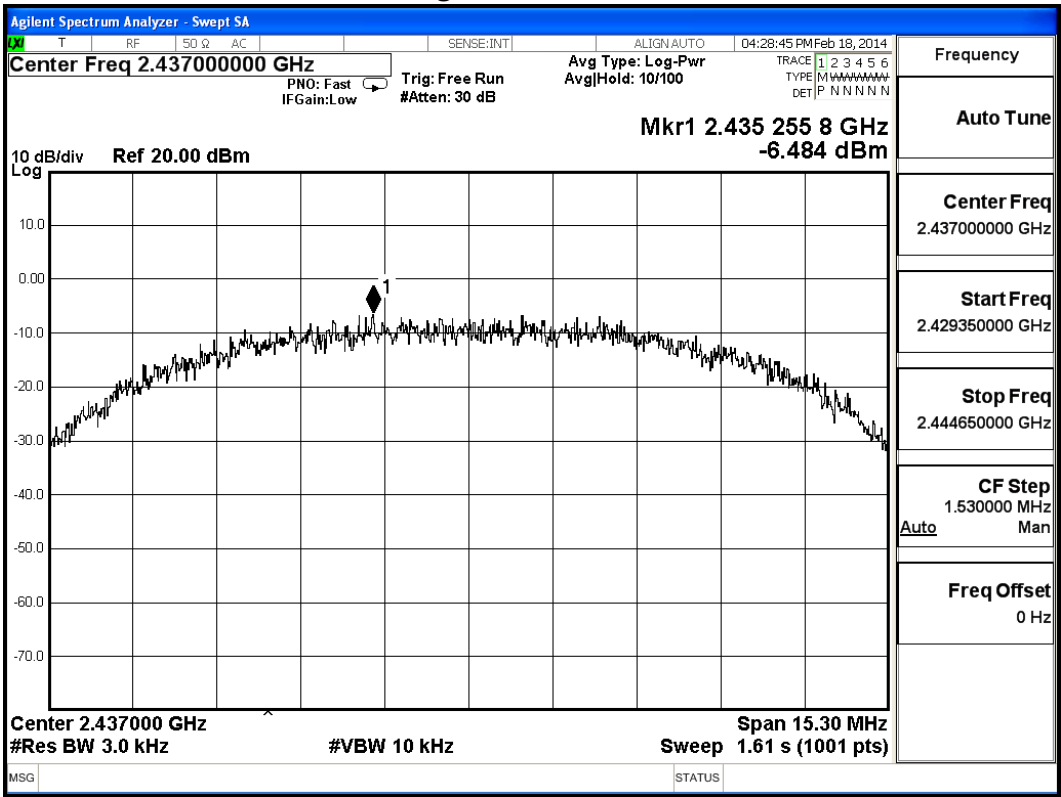


Figure Channel 11:

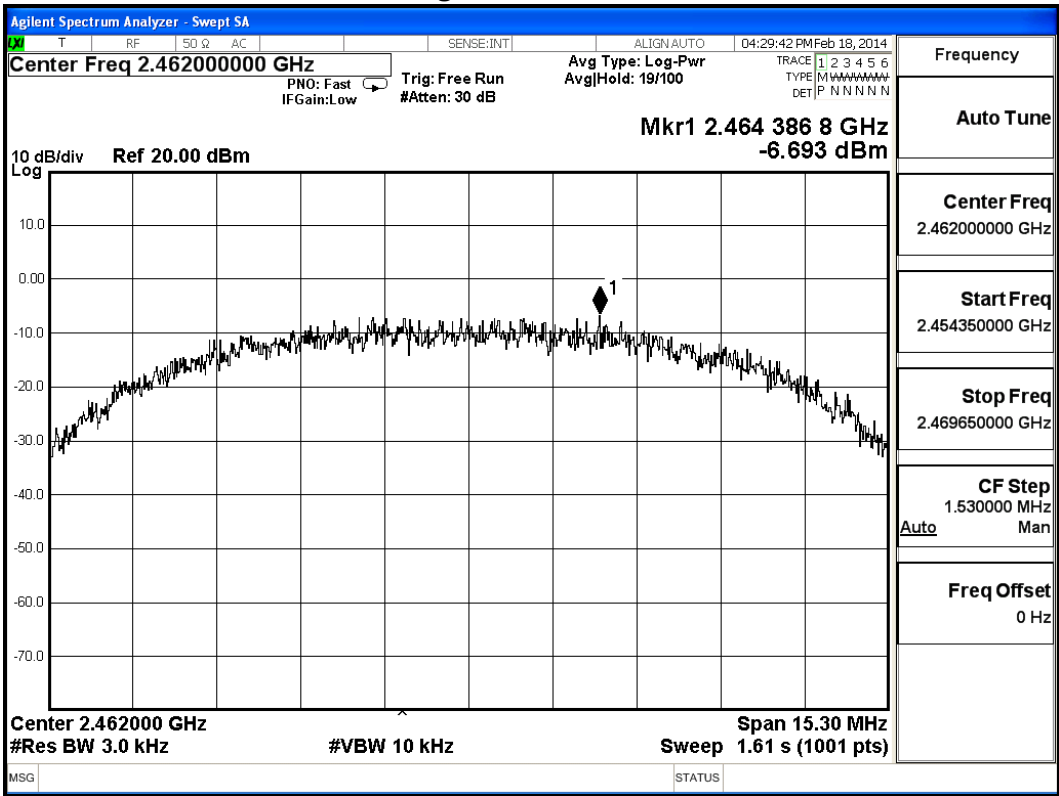
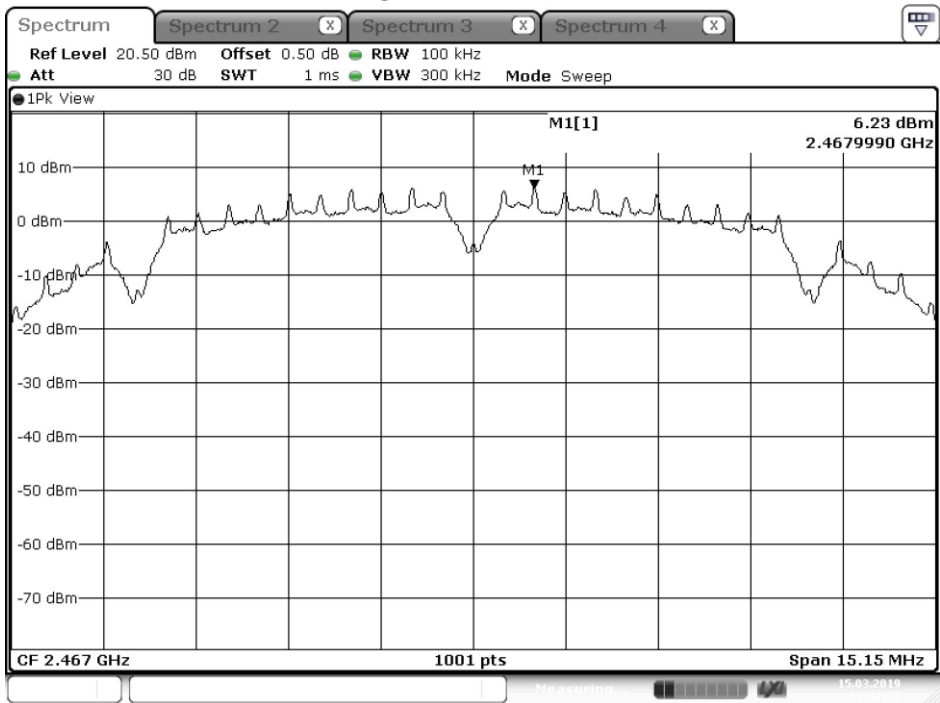
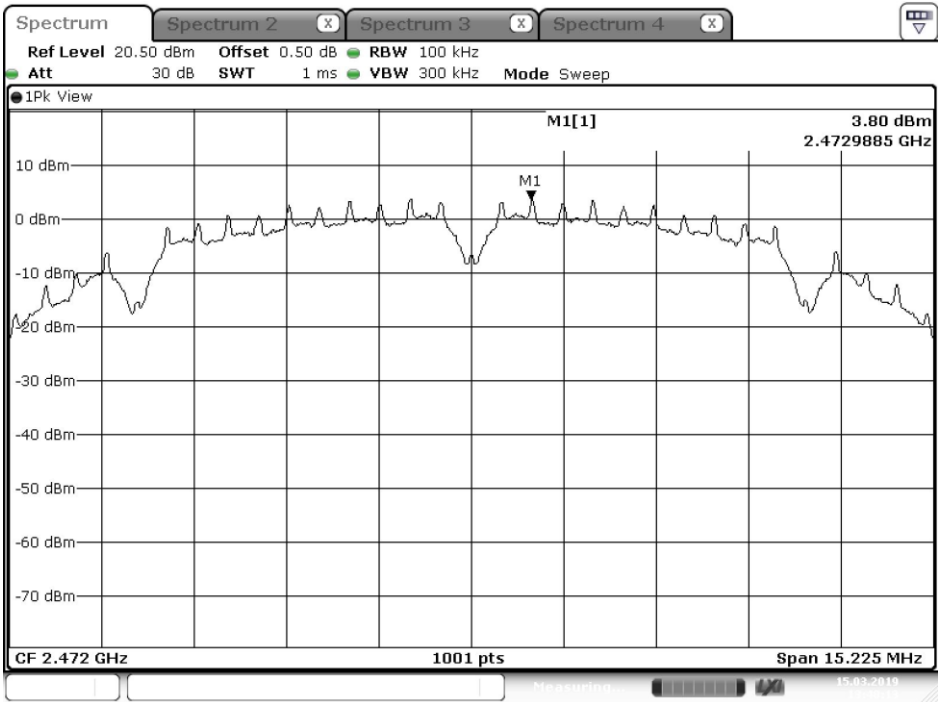


Figure Channel 12:



Date: 15.MAR.2019 13:37:25

Figure Channel 13:



Date: 15.MAR.2019 13:40:13

待測物名稱：Intel® Dual Band Wireless-AC 7265

待測物型號：7265NGW

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：103年02月18日

測試項目：功率密度

測試模式：Mode 1: 發射器 802.11g

測試距離：Conducted

環境溫度：20 °C

環境濕度：50 %

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	-13.172	≤8dBm	Pass
06	2437	-9.313	≤8dBm	Pass
11	2462	-14.116	≤8dBm	Pass
12	2467	-0.900	≤8dBm	Pass
13	2472	-12.710	≤8dBm	Pass

Figure Channel 01:

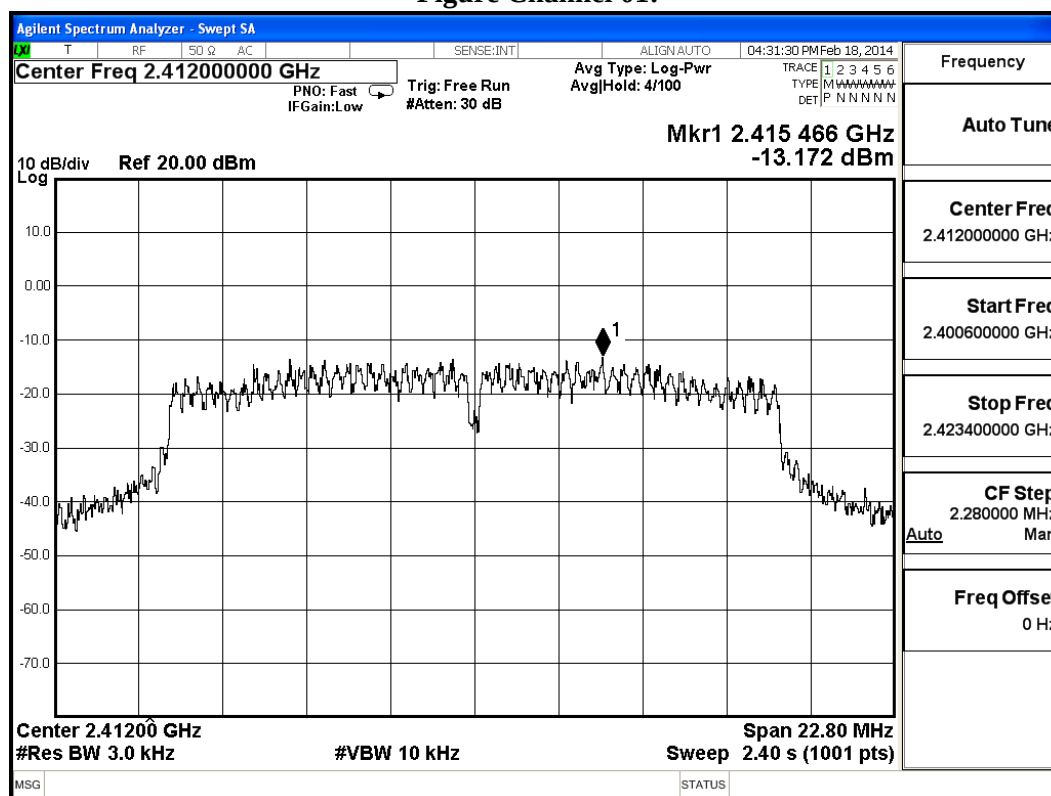


Figure Channel 06:

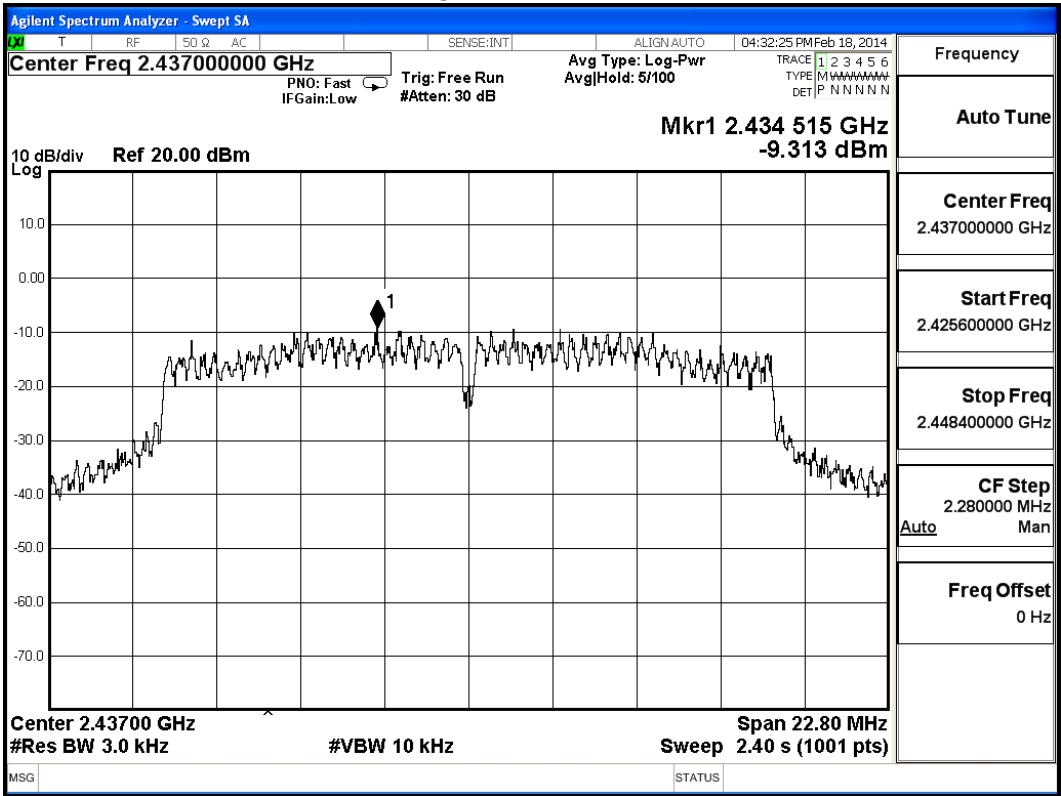


Figure Channel 11:

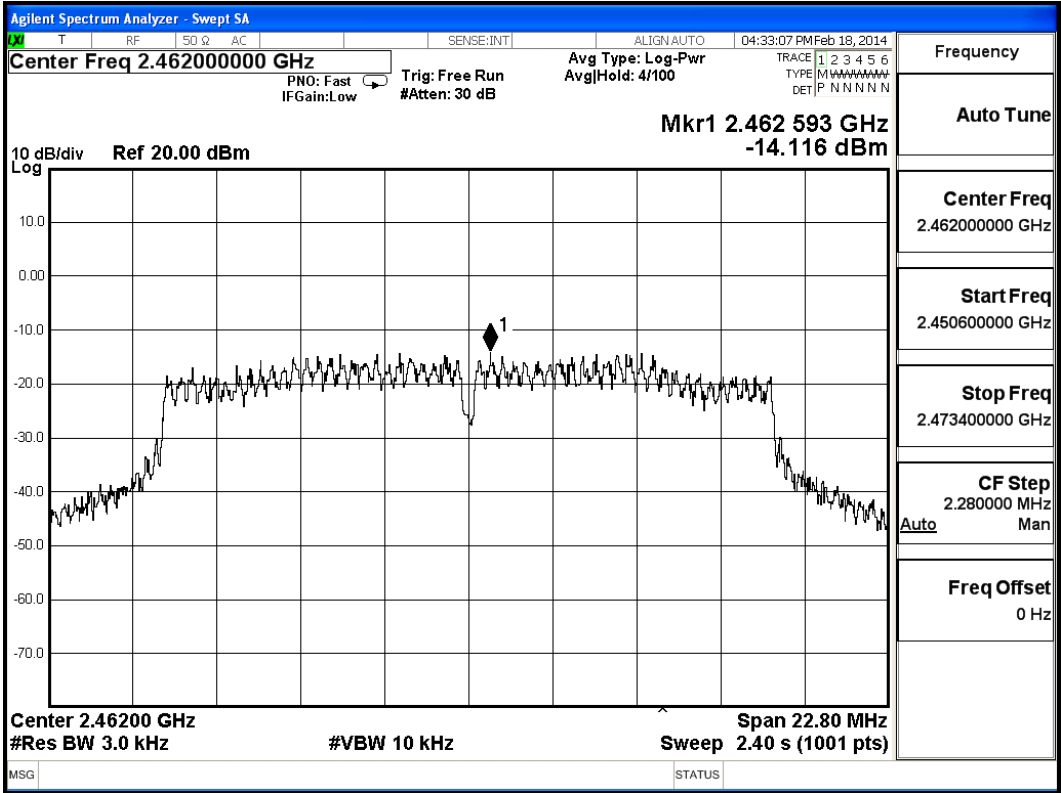
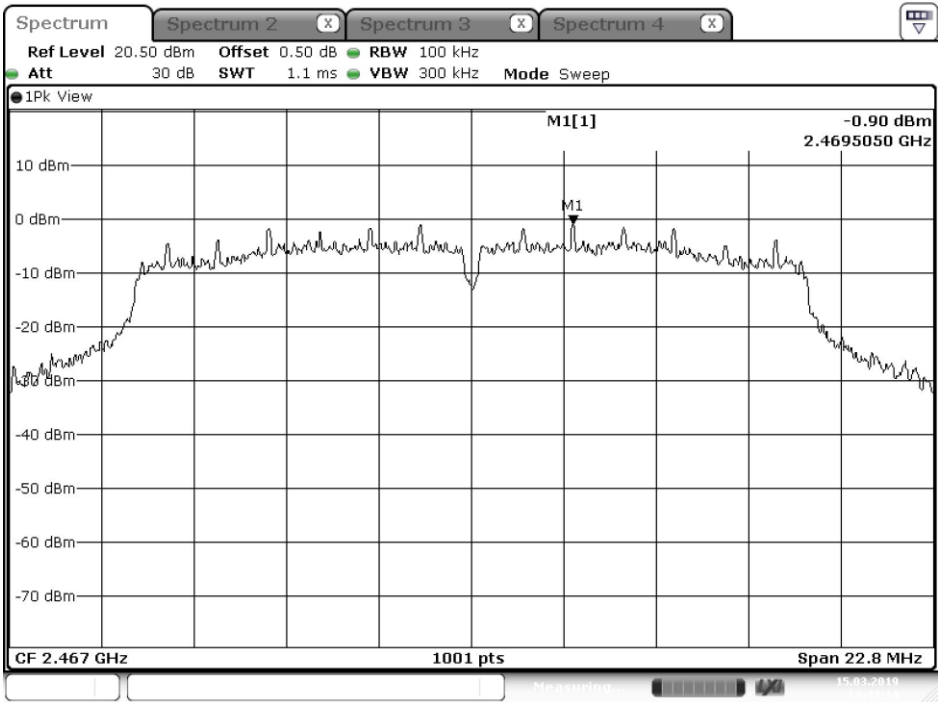
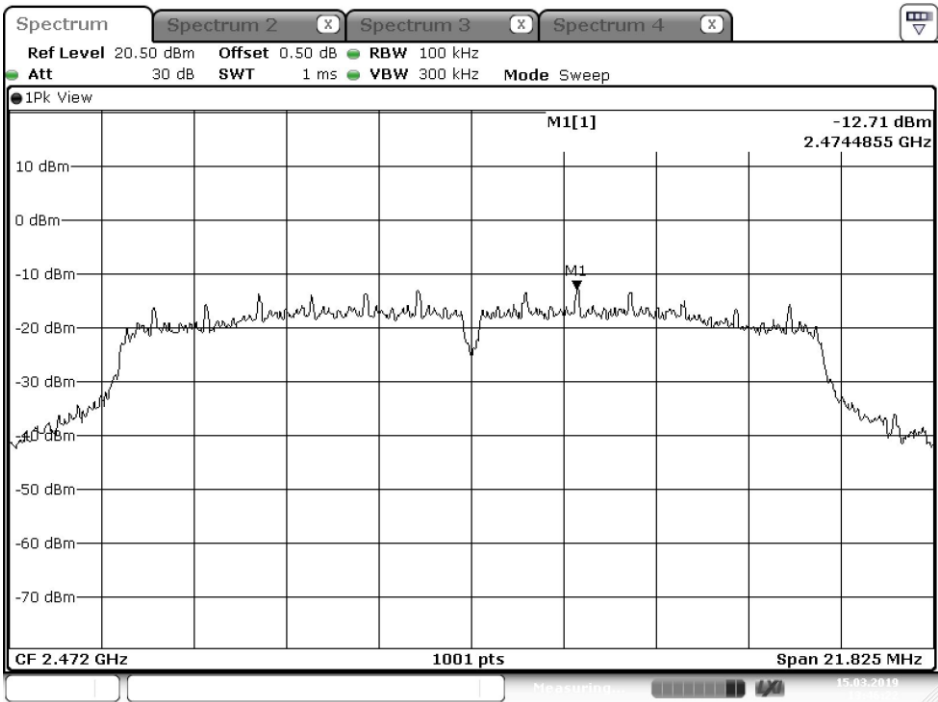


Figure Channel 12:



Date: 15.MAR.2019 13:43:15

Figure Channel 13:



Date: 15.MAR.2019 13:46:22

待測物名稱：Intel® Dual Band Wireless-AC 7265

待測物型號：7265NGW

測試項目：功率密度

測試頻道：--

測試模式：Mode 1: 發射器 802.11n-20MHz

量測天線：--

測試距離：Conducted

檢測器：峰值

環境溫度：20 °C

測試日期：108 年 03 月 15 日

環境濕度：50 %

Channel No.	Frequency (MHz)	Chain	Measure Level (dBm)	10*log(2) (dB)	Total PPSD (dBm)	Limit (dBm)	Result
01	2412	A	-12.879	3.01	-9.869	≤8dBm	Pass
		B	-13.934	3.01	-10.924	≤8dBm	Pass
06	2437	A	-6.266	3.01	-3.256	≤8dBm	Pass
		B	-6.113	3.01	-3.103	≤8dBm	Pass
11	2462	A	-12.68	3.01	-9.670	≤8dBm	Pass
		B	-13.775	3.01	-10.765	≤8dBm	Pass
12	2467	A	1.35	3.01	4.360	≤8dBm	Pass
		B	-0.77	3.01	2.240	≤8dBm	Pass
13	2472	A	-12.69	3.01	-9.680	≤8dBm	Pass
		B	-13.81	3.01	-10.800	≤8dBm	Pass

Figure Channel 01 (Chain A)

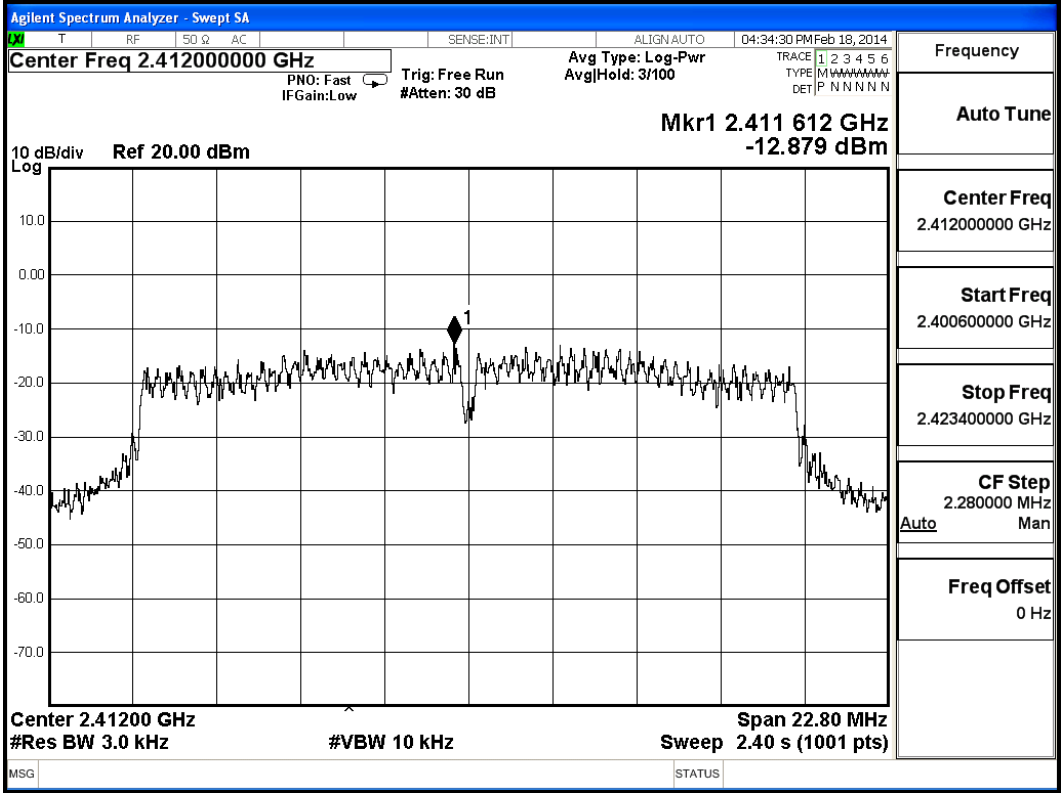


Figure Channel 01 (Chain B)

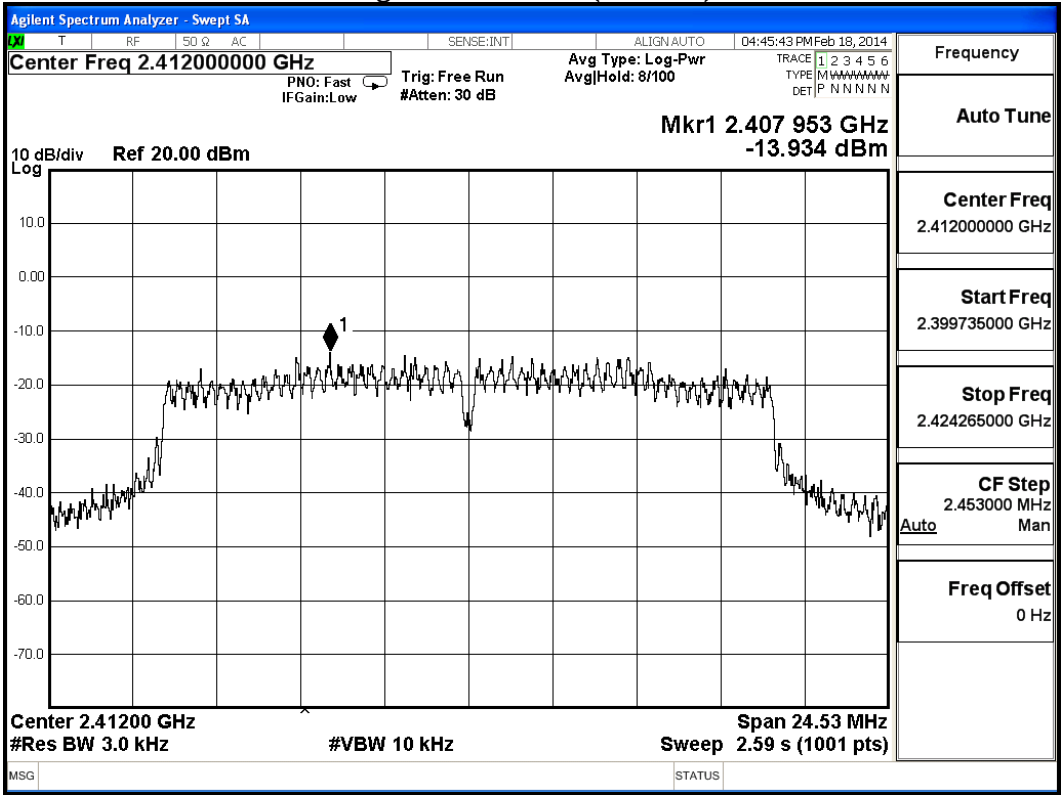


Figure Channel 06 (Chain A)

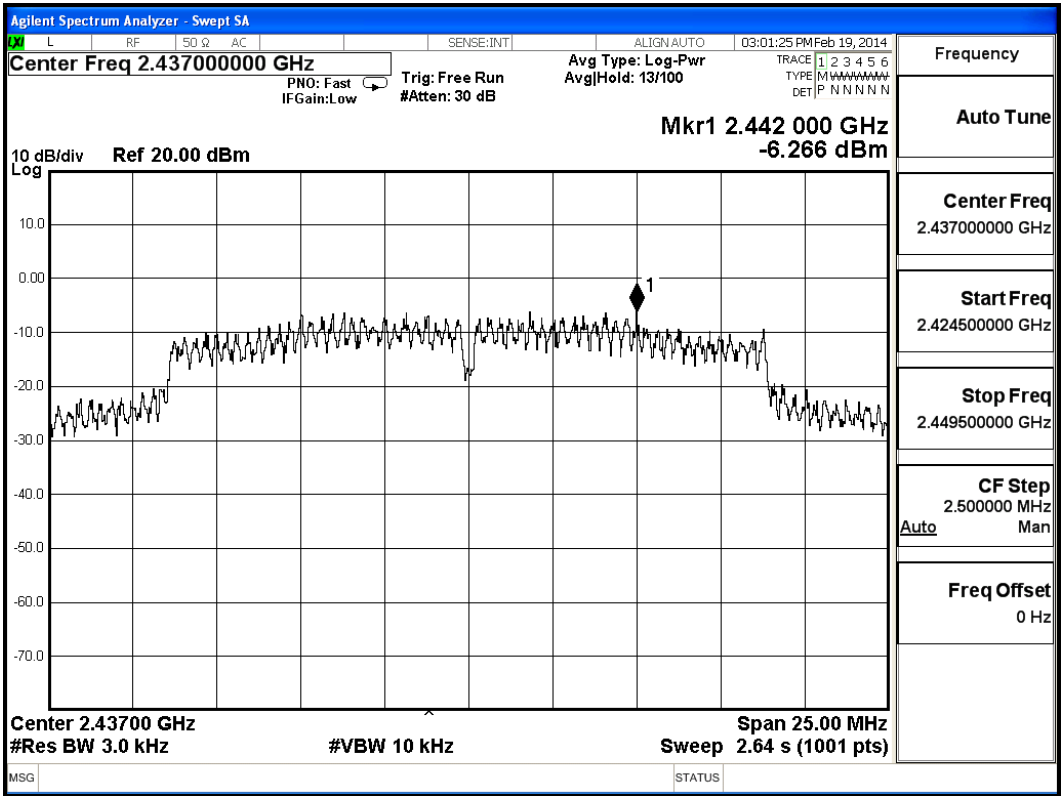


Figure Channel 06 (Chain B)

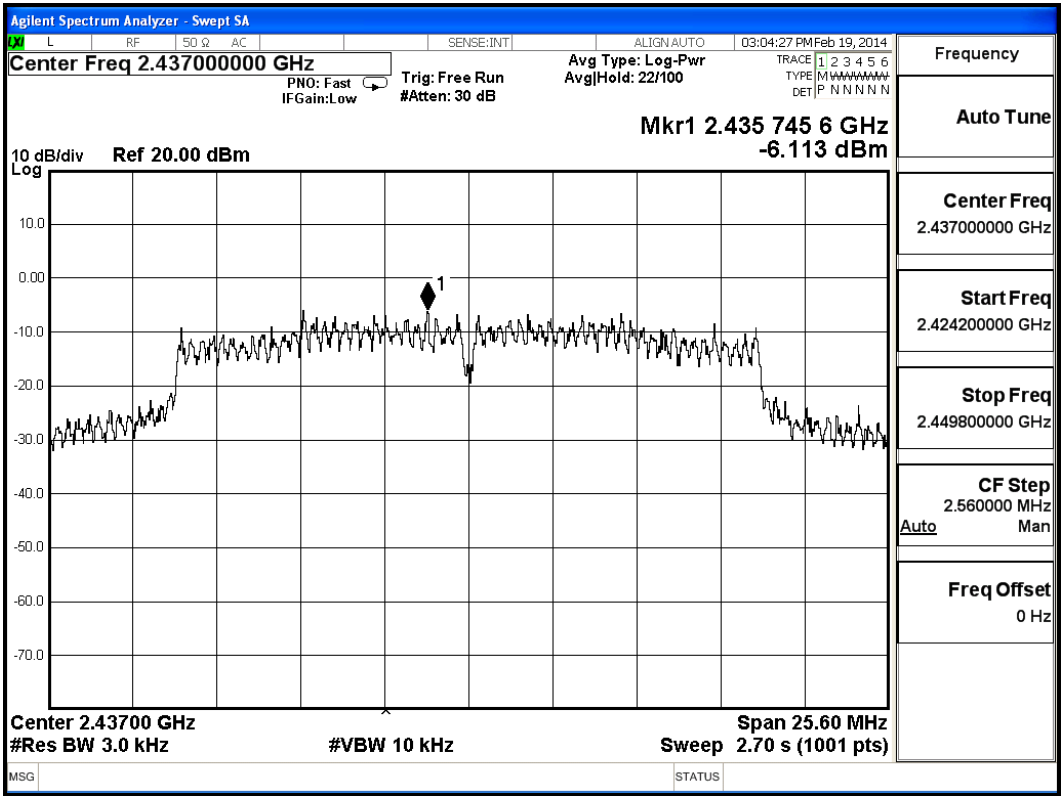


Figure Channel 11 (Chain A)

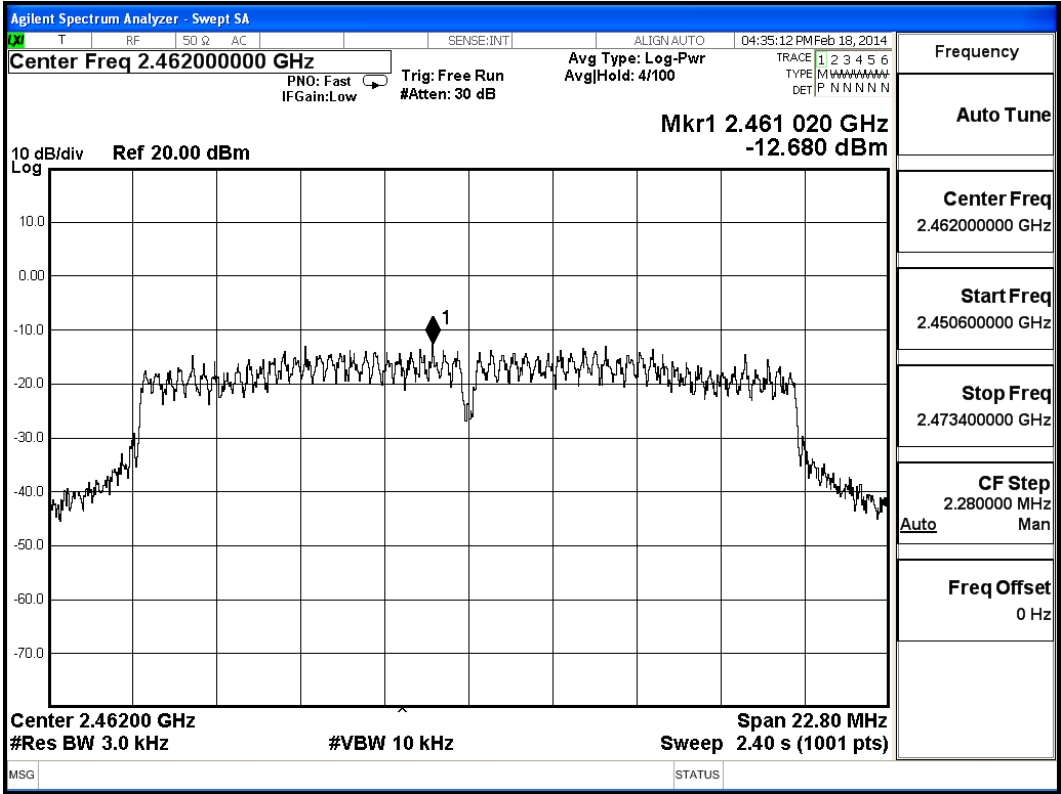


Figure Channel 11 (Chain B)

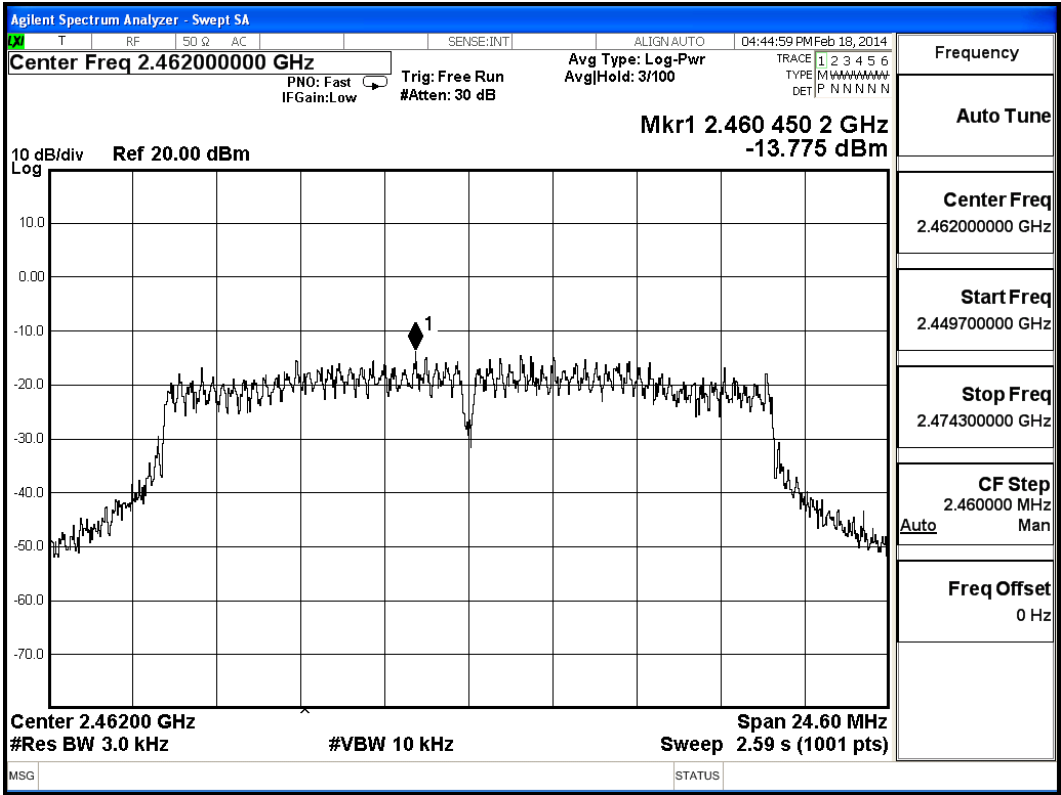
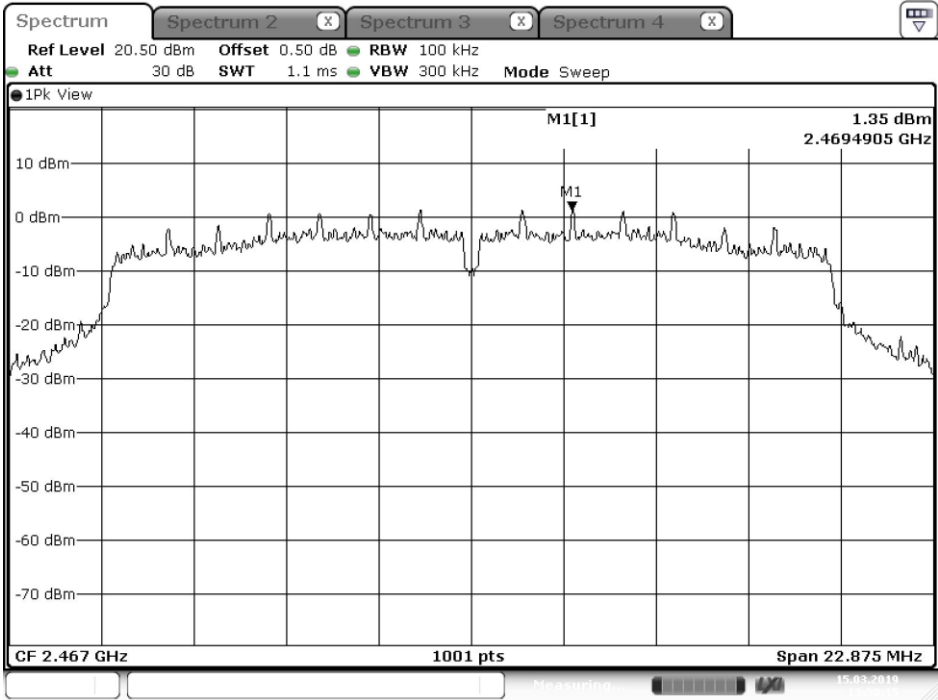
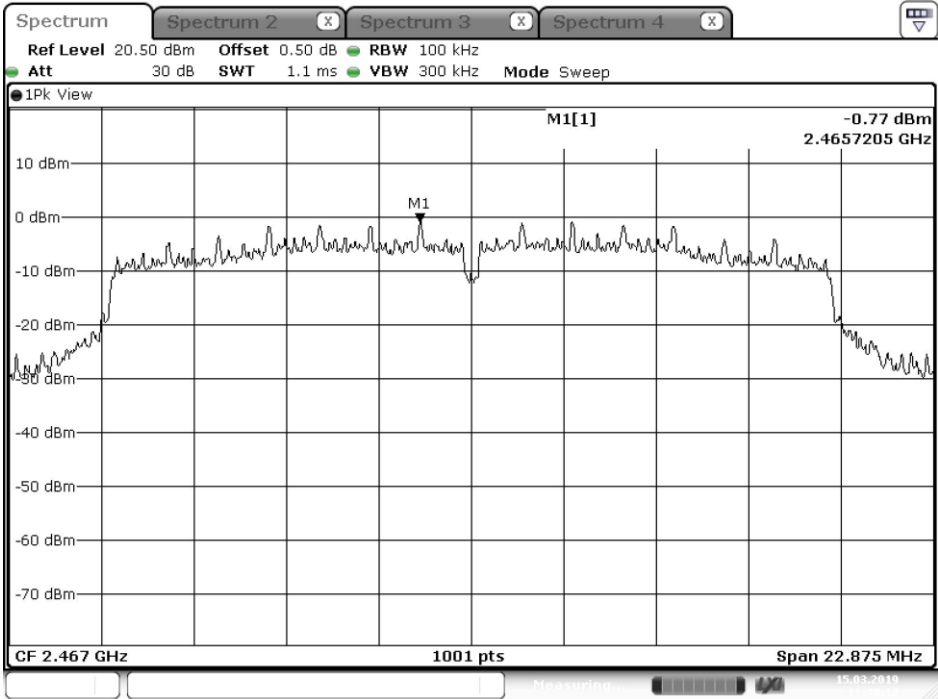


Figure Channel 12 (Chain A)



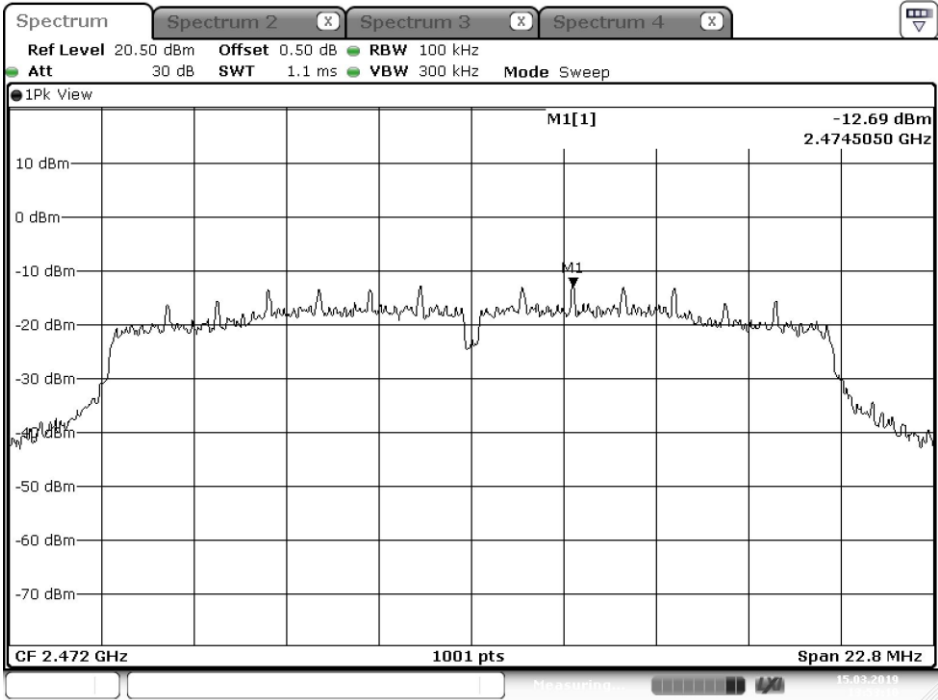
Date: 15.MAR.2019 13:50:16

Figure Channel 12 (Chain B)



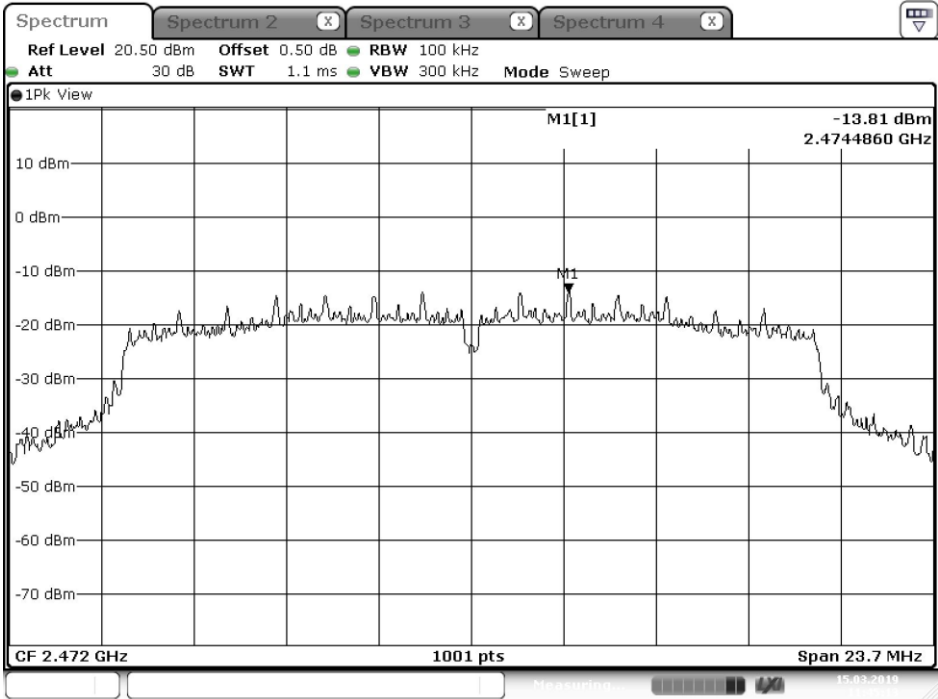
Date: 15.MAR.2019 11:40:13

Figure Channel 13 (Chain A)



Date: 15.MAR.2019 13:53:11

Figure Channel 13 (Chain B)



Date: 15.MAR.2019 11:45:14

待測物名稱：Intel® Dual Band Wireless-AC 7265

待測物型號：7265NGW

測試項目：功率密度

測試頻道：--

測試模式：Mode 1: 發射器 802.11n-40MHz

量測天線：--

測試距離：Conducted

檢測器：峰值

環境溫度：20 °C

測試日期：108 年 03 月 15 日

環境濕度：50 %

Channel No.	Frequency (MHz)	Chain	Measure Level (dBm)	10*log(2) (dB)	Measure Level (dBm)	Limit (dBm)	Result
03	2422	A	-15.506	3.01	-12.496	≤ 8dBm	Pass
		B	-17.235	3.01	-14.225	≤ 8dBm	Pass
06	2437	A	-15.081	3.01	-12.071	≤ 8dBm	Pass
		B	-15.996	3.01	-12.986	≤ 8dBm	Pass
09	2452	A	-16.951	3.01	-13.941	≤ 8dBm	Pass
		B	-18.138	3.01	-15.128	≤ 8dBm	Pass
10	2457	A	-3.52	3.01	-0.510	≤ 8dBm	Pass
		B	-3.96	3.01	-0.950	≤ 8dBm	Pass
11	2462	A	-13.44	3.01	-10.430	≤ 8dBm	Pass
		B	-13.58	3.01	-10.570	≤ 8dBm	Pass

Figure Channel 03 (Chain A)

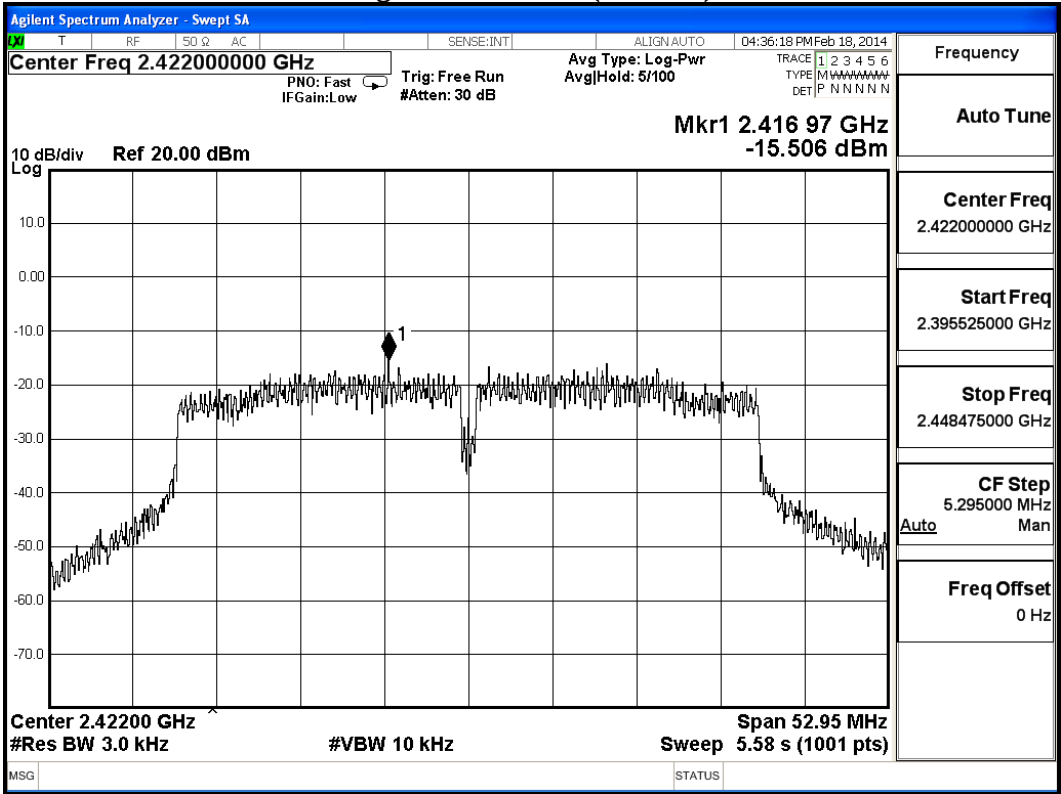


Figure Channel 03 (Chain B)

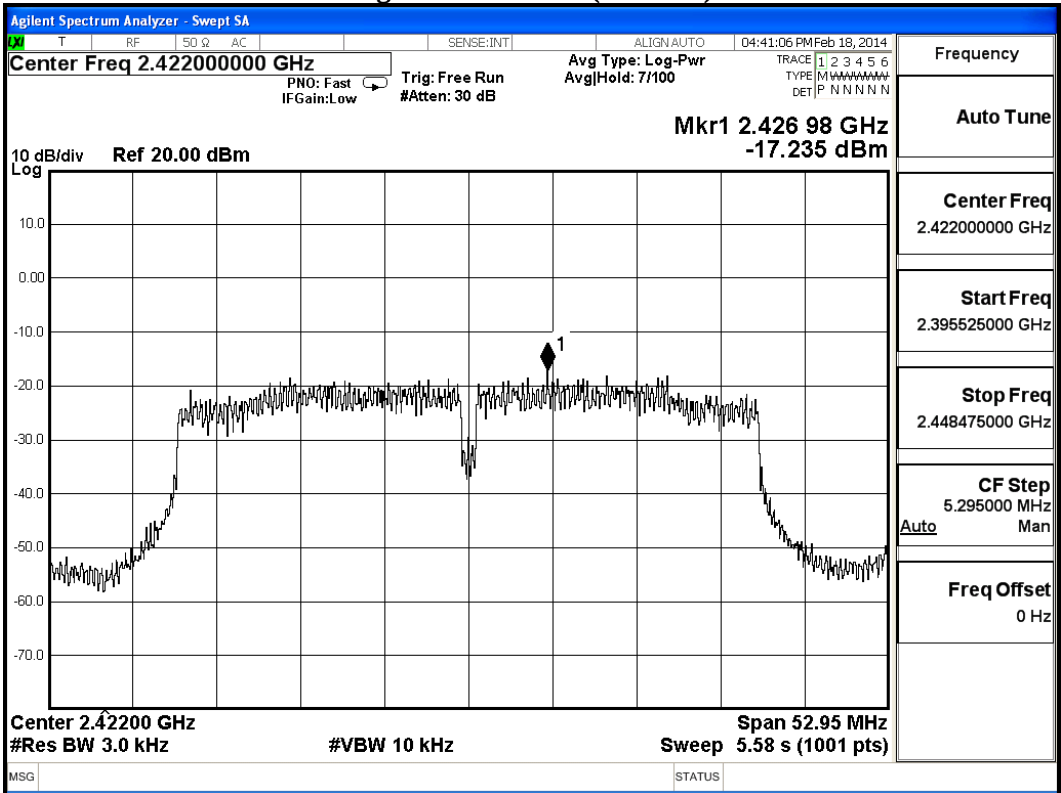


Figure Channel 06 (Chain A)

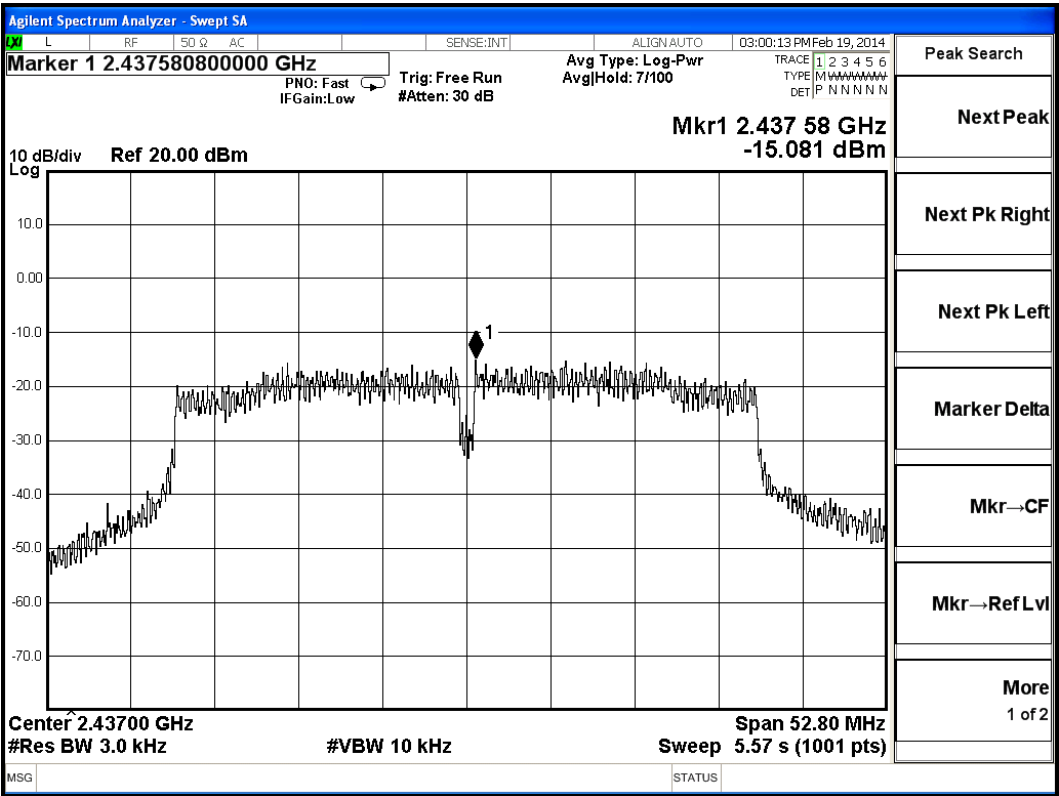


Figure Channel 06 (Chain B)

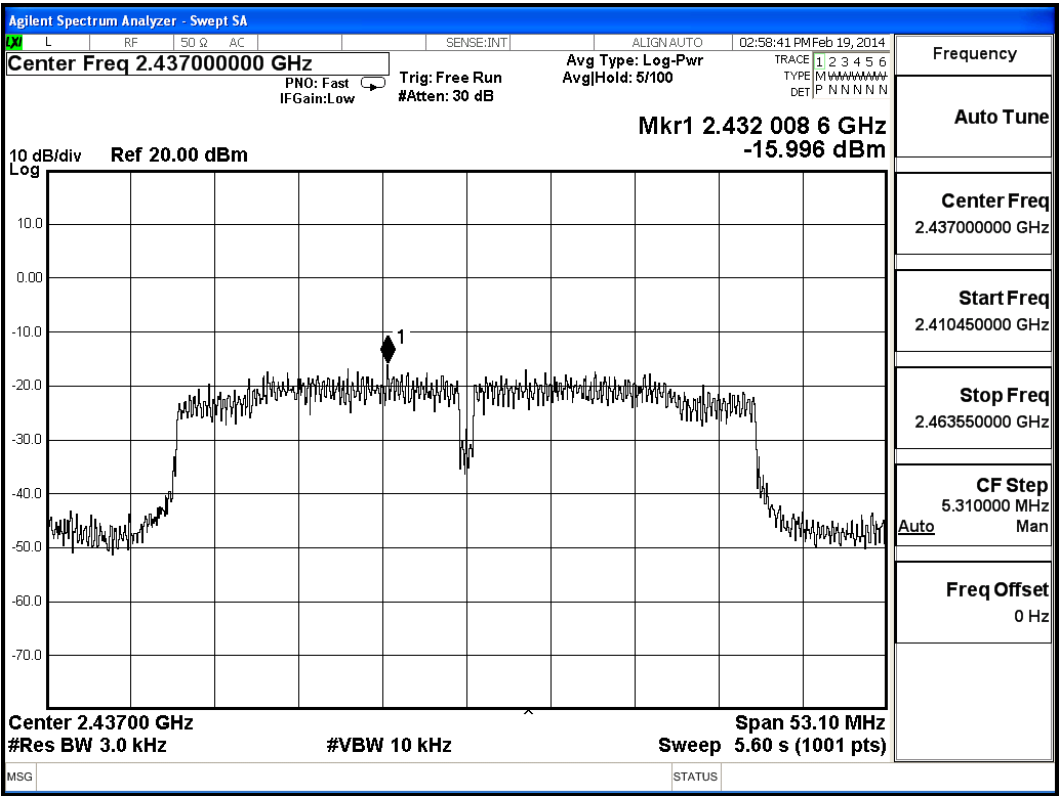


Figure Channel 09 (Chain A)

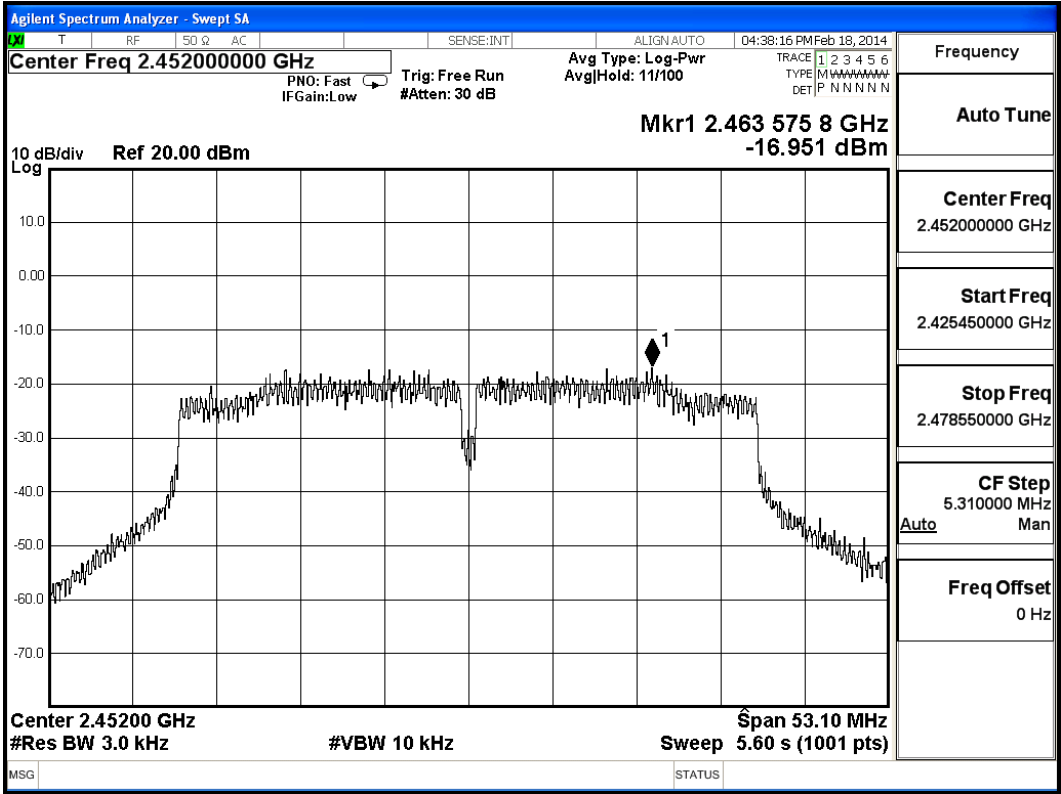


Figure Channel 09 (Chain B)

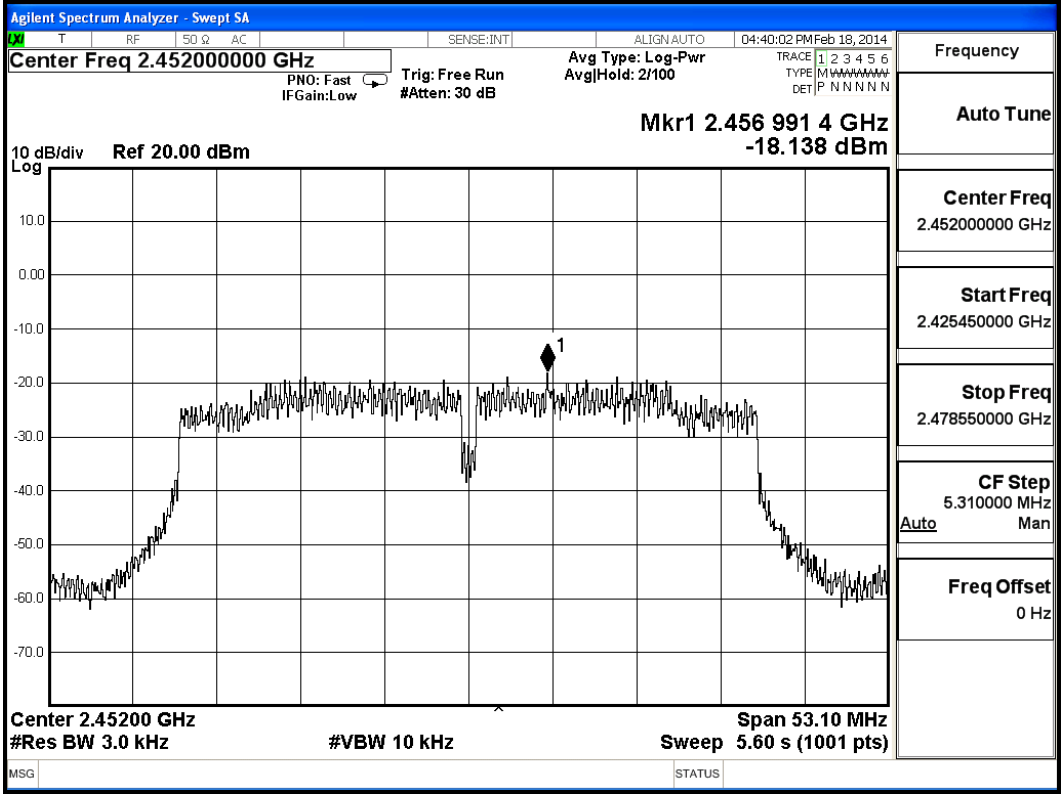
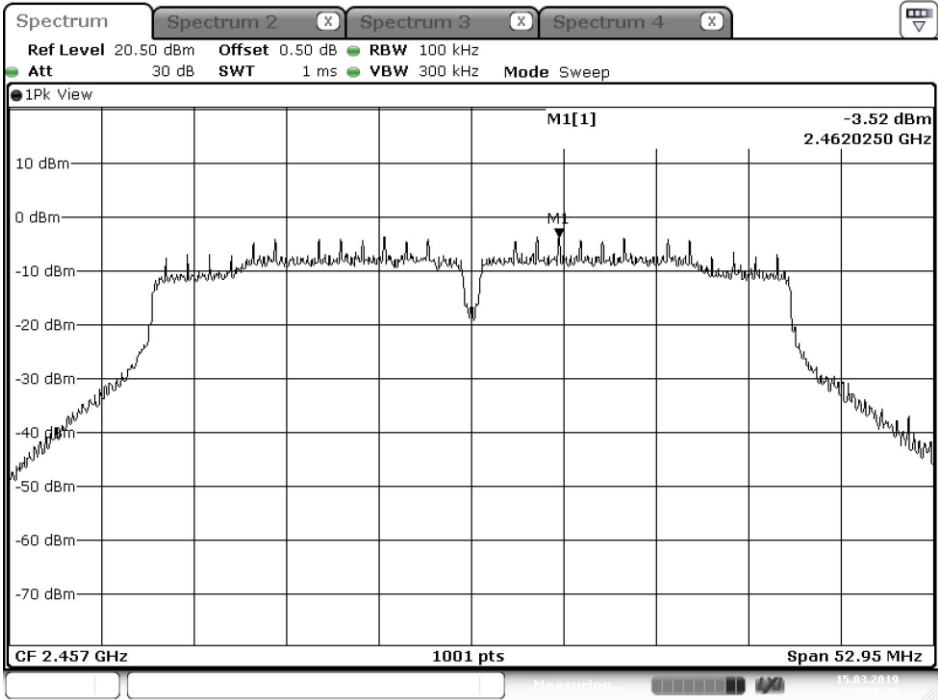
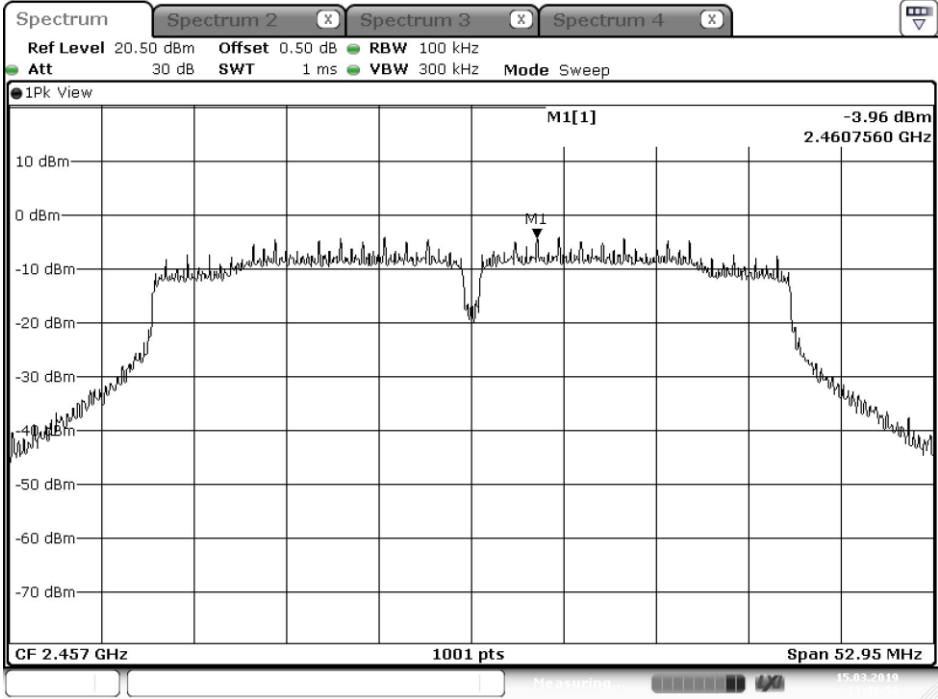


Figure Channel 10 (Chain A)



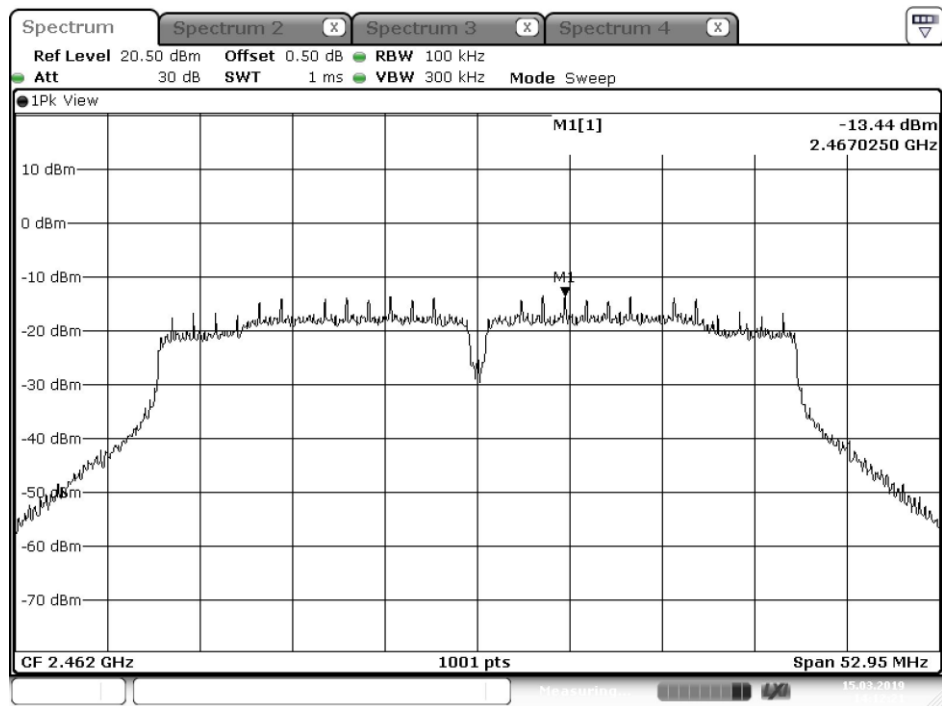
Date: 15.MAR.2019 13:57:24

Figure Channel 10 (Chain B)



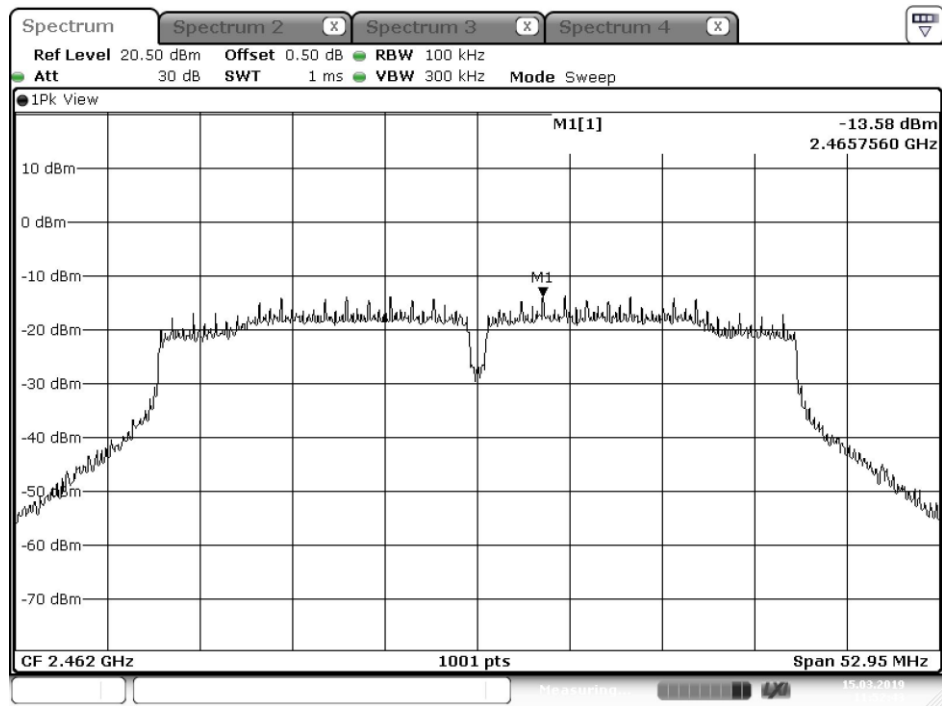
Date: 15.MAR.2019 11:48:59

Figure Channel 11 (Chain A)



Date: 15.MAR.2019 14:12:21

Figure Channel 11 (Chain B)



Date: 15.MAR.2019 11:52:44

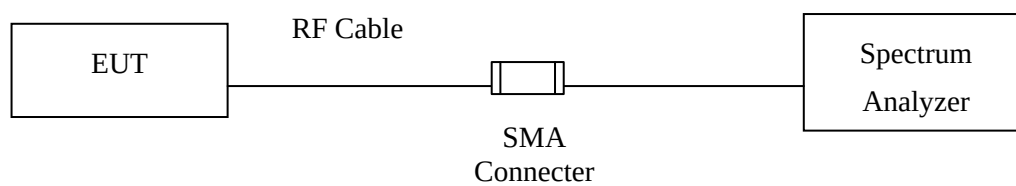
功率密度測試結果:	PASS
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11. Duty Cycle

11.1. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，
待測物應在正常發射狀態下量測。

11.2. 測試架構圖



11.3. 量測不確定度

此項測試之量測不確定度為 $\pm 2.31\text{msec}$

11.4. Duty Cycle 測試結果

待測物名稱：Intel® Dual Band Wireless-AC 7265

待測物型號：7265NGW

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：108年03月13日

測試項目：Duty Cycle

測試模式：--

測試距離：Conducted

環境溫度：20 °C

環境濕度：50 %

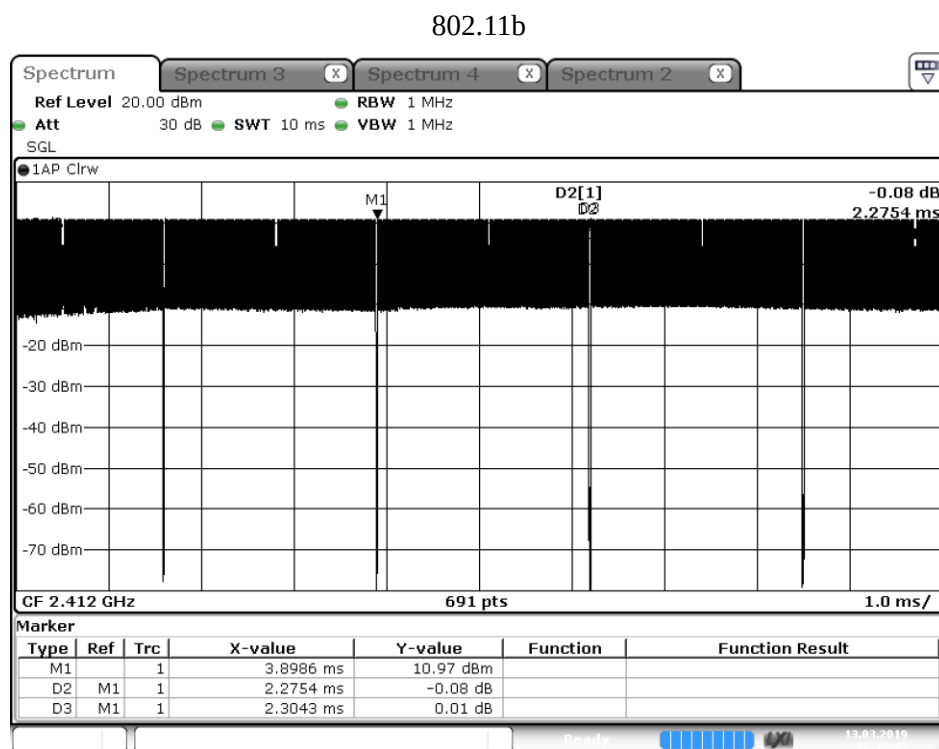
Duty Cycle Formula:

Duty Cycle = Ton / (Ton + Toff)

Duty Factor = 10 Log (1/Duty Cycle)

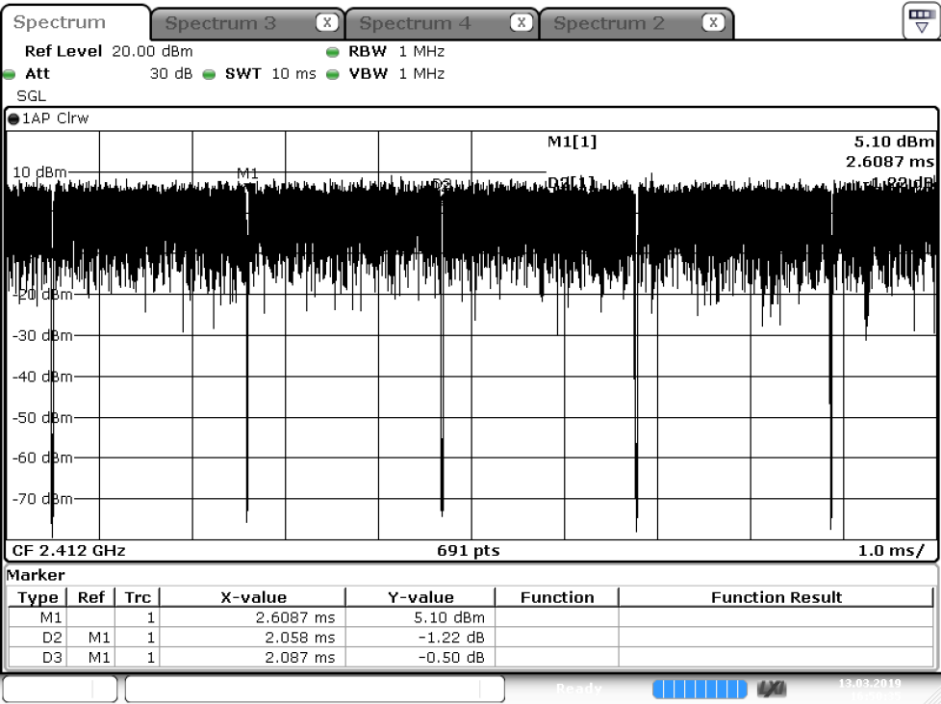
Results:

2.4GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11b	2.2754	2.3043	98.75	0.05
802.11g	2.0580	2.0870	98.61	0.06
802.11n20	0.9855	1.0073	97.84	0.09
802.11n40	0.5000	0.5246	95.30	0.21



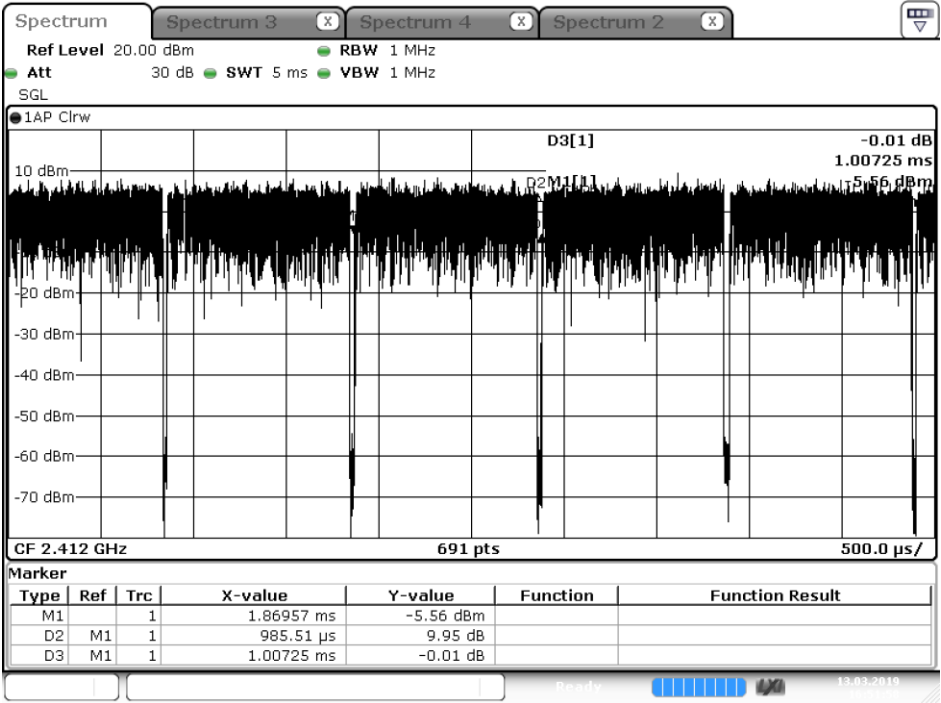
Date: 13.MAR.2019 16:49:43

802.11g

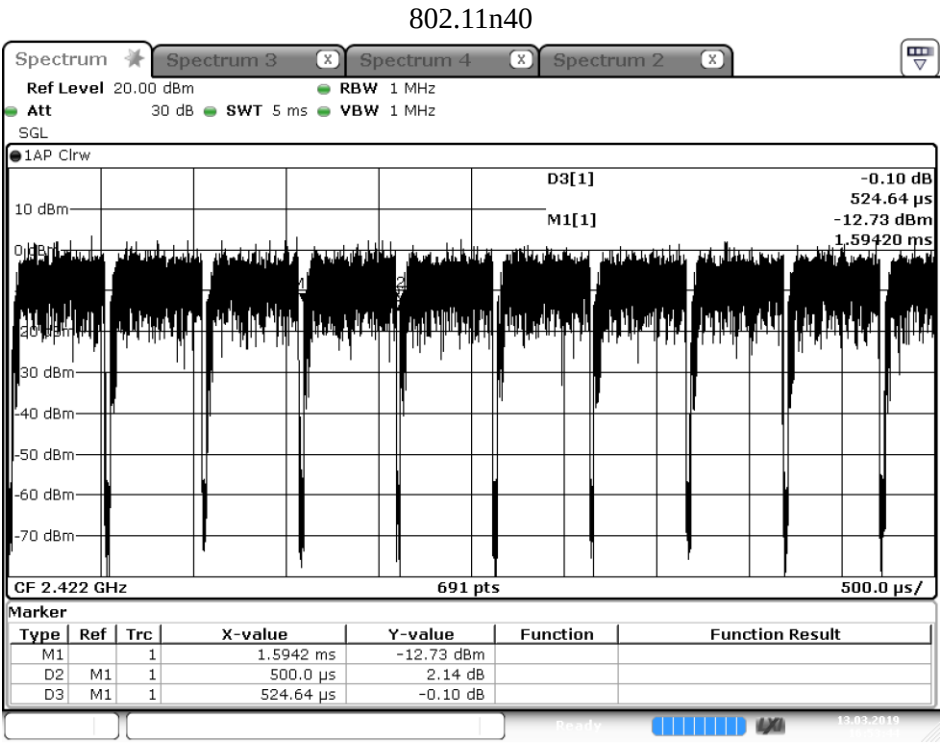


Date: 13.MAR.2019 16:50:36

802.11n20



Date: 13.MAR.2019 16:51:59



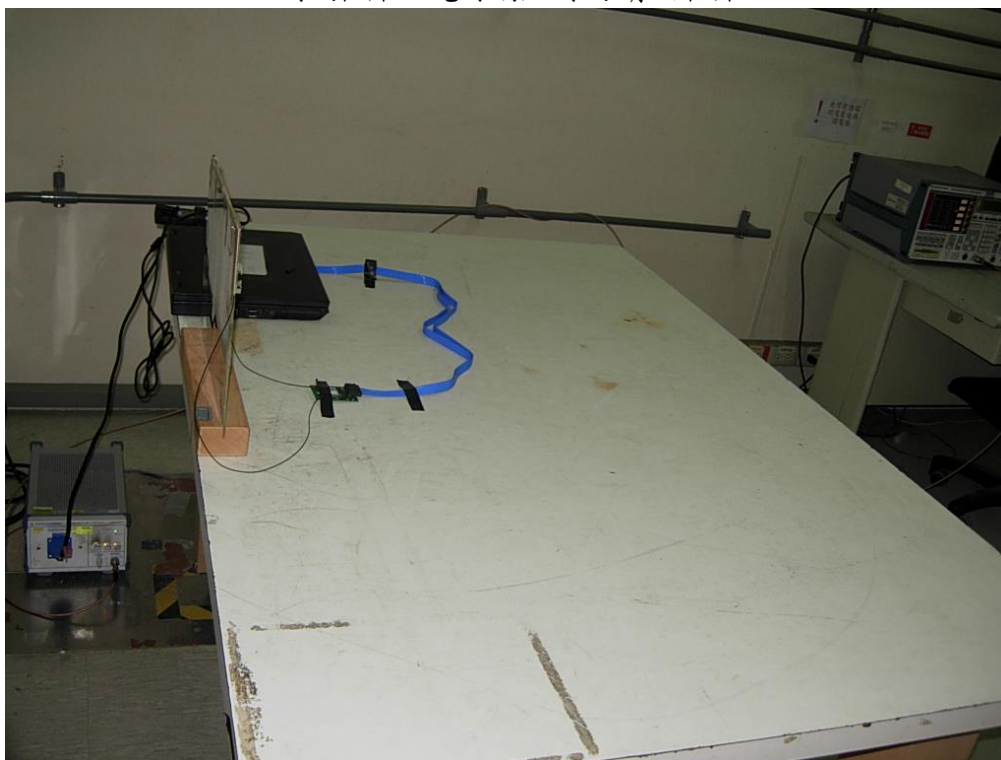
Date: 13.MAR.2019 16:53:45

附件 1: 待測物測試擺設相片

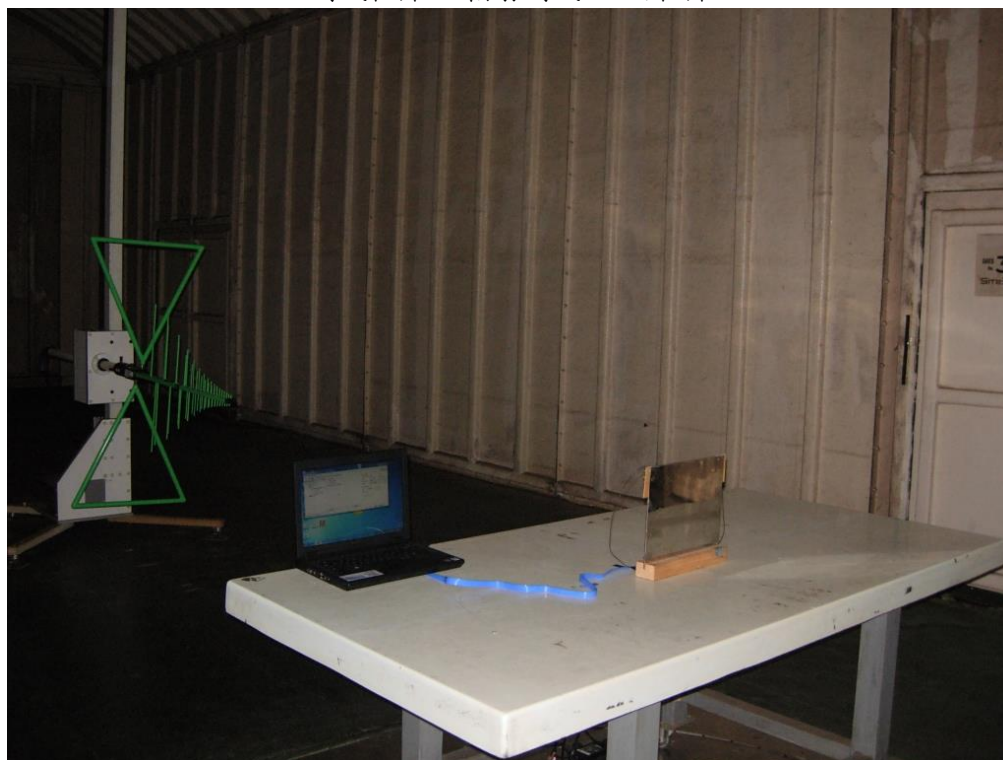
測試相片：電源端點測試 正面相片



測試相片：電源端點測試 背面相片



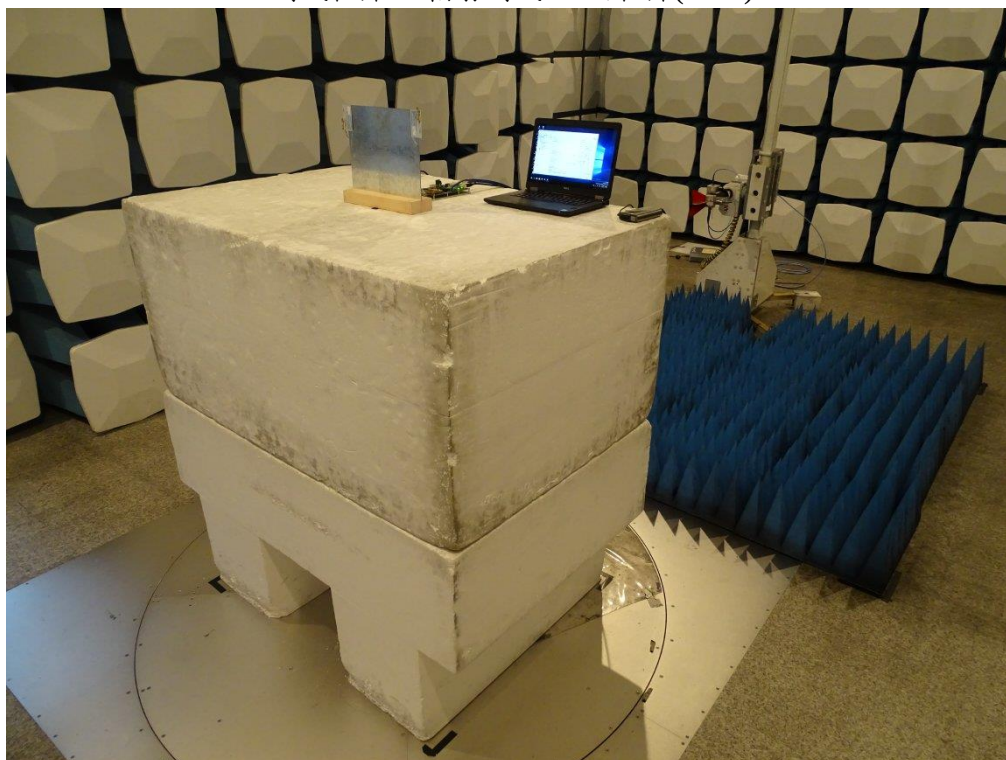
測試相片：輻射測試 正面相片



測試相片：輻射測試 背面相片



測試相片：輻射測試 正面相片(Horn)



測試相片：輻射測試 背面相片(Horn)

