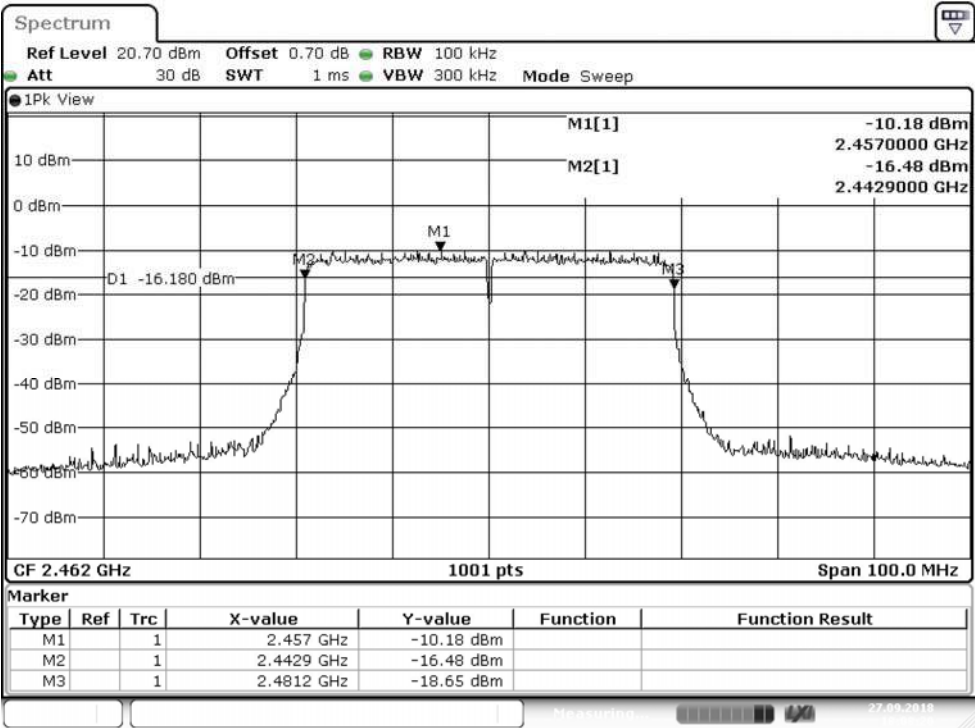


Figure Channel 11:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

6 dB 頻寬：100kHz

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：佔用頻帶寬度

測試模式：Mode 3: MIMO: 發射器 802.11ax (20MHz)

視頻頻寬：300kHz

測試距離：Conducted

環境溫度：20 °C

環境濕度：52 %

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	A	19100	>500	Pass
07	2442	A	19100	>500	Pass
11	2462	A	19150	>500	Pass
12	2467	A	19150	>500	Pass
13	2472	A	19150	>500	Pass
01	2412	B	19100	>500	Pass
07	2442	B	19150	>500	Pass
11	2462	B	19100	>500	Pass
12	2467	B	19150	>500	Pass
13	2472	B	19150	>500	Pass

Figure Channel 01: (Chain A)

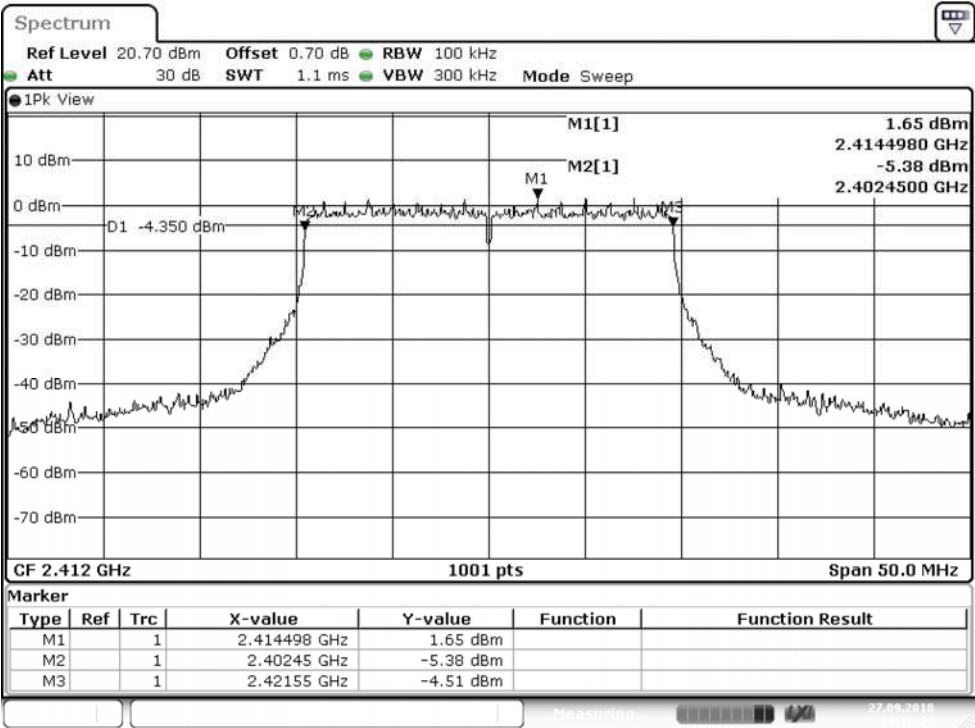
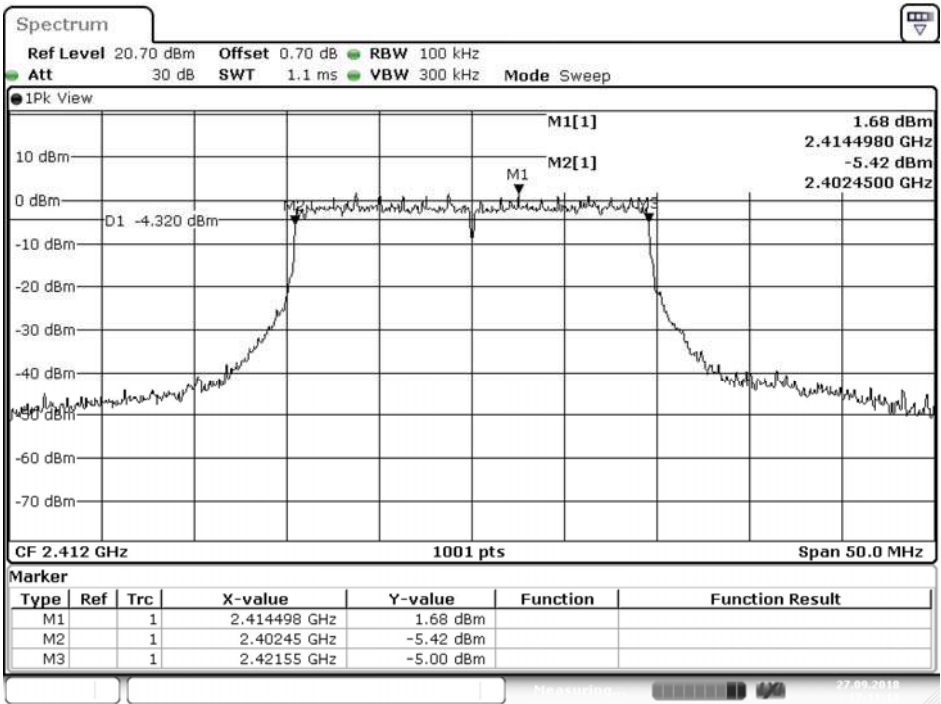


Figure Channel 01: (Chain B)



Date: 27.SEP.2018 17:11:18

Figure Channel 07: (Chain A)

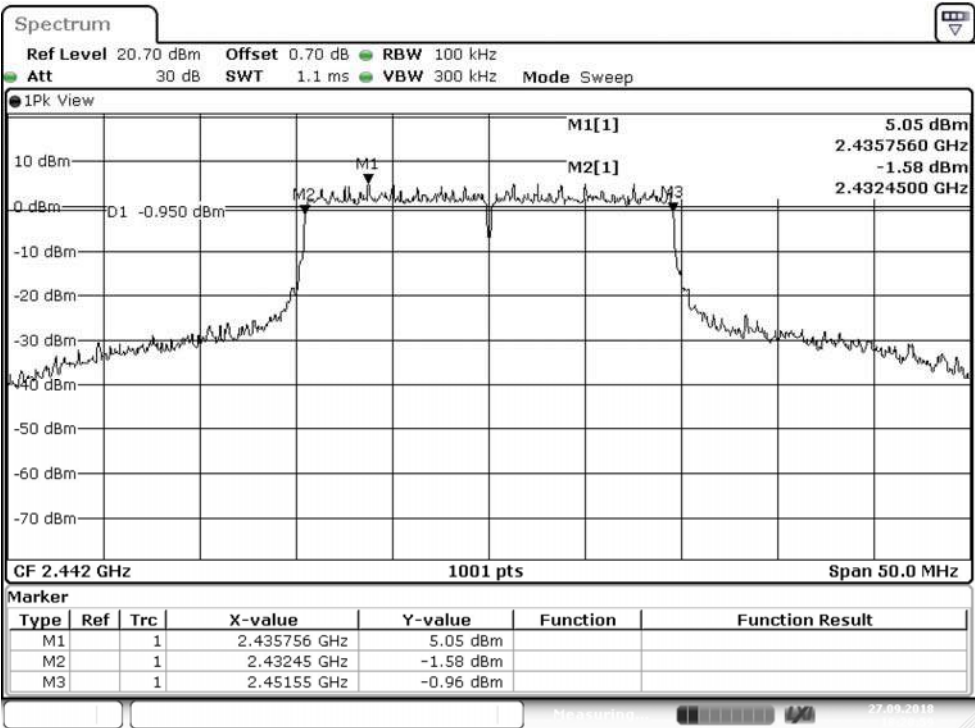
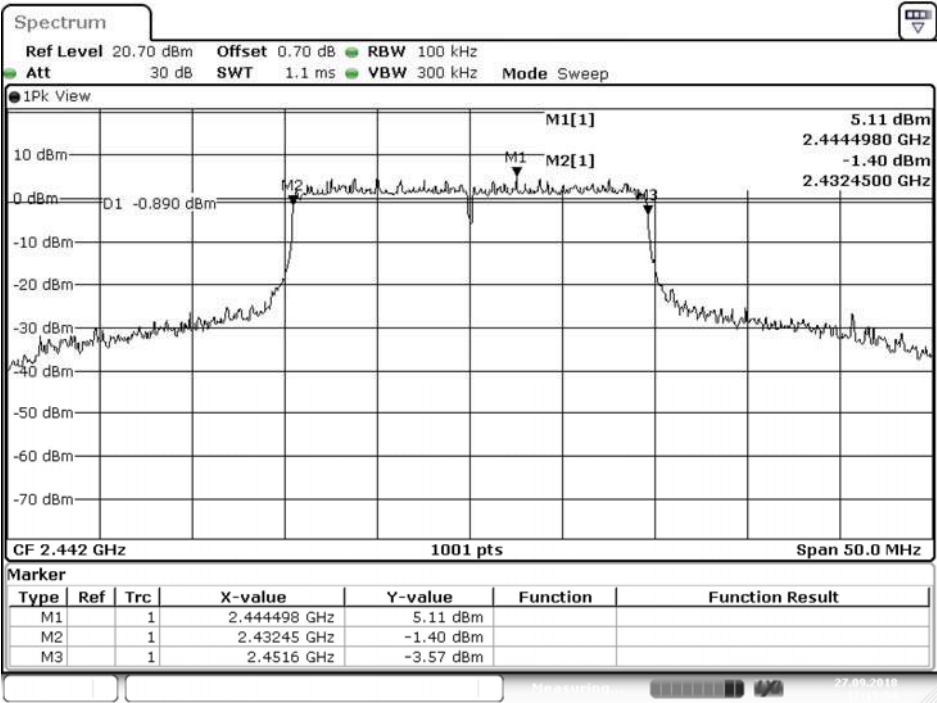


Figure Channel 07: (Chain B)



Date: 27.SEP.2018 17:15:54

Figure Channel 11: (Chain A)

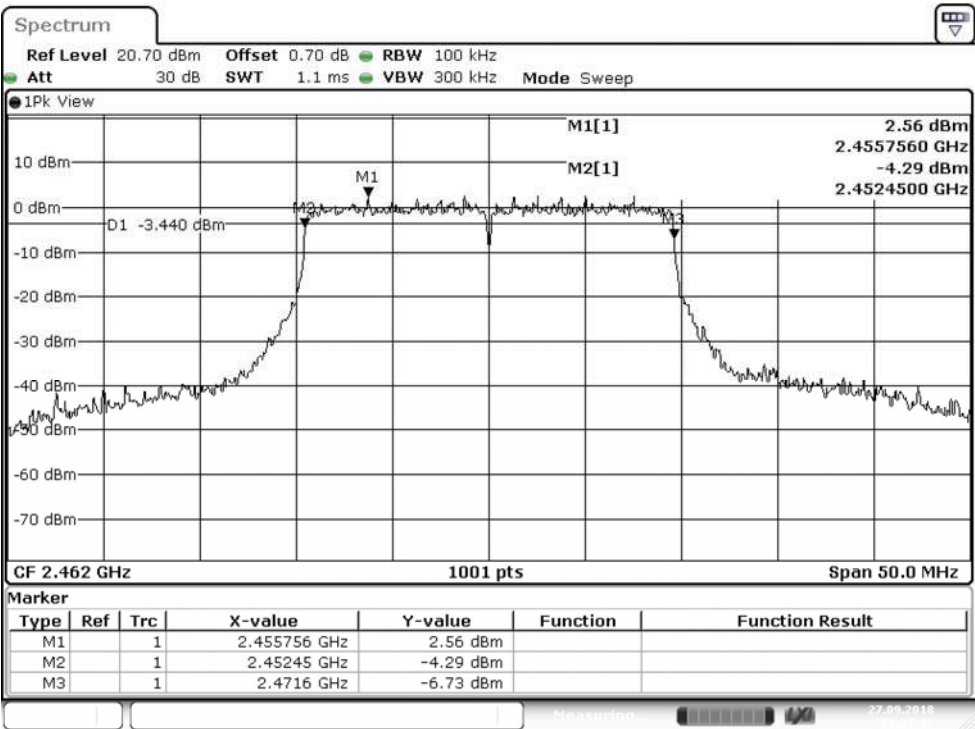
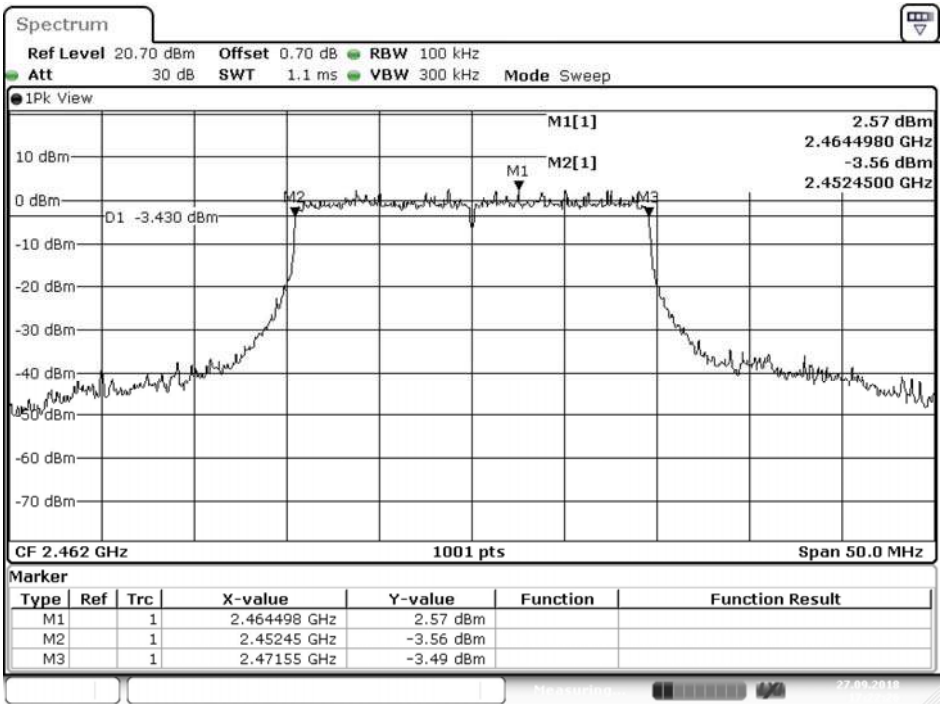


Figure Channel 11: (Chain B)



Date: 27.SEP.2018 17:22:26

Figure Channel 12: (Chain A)

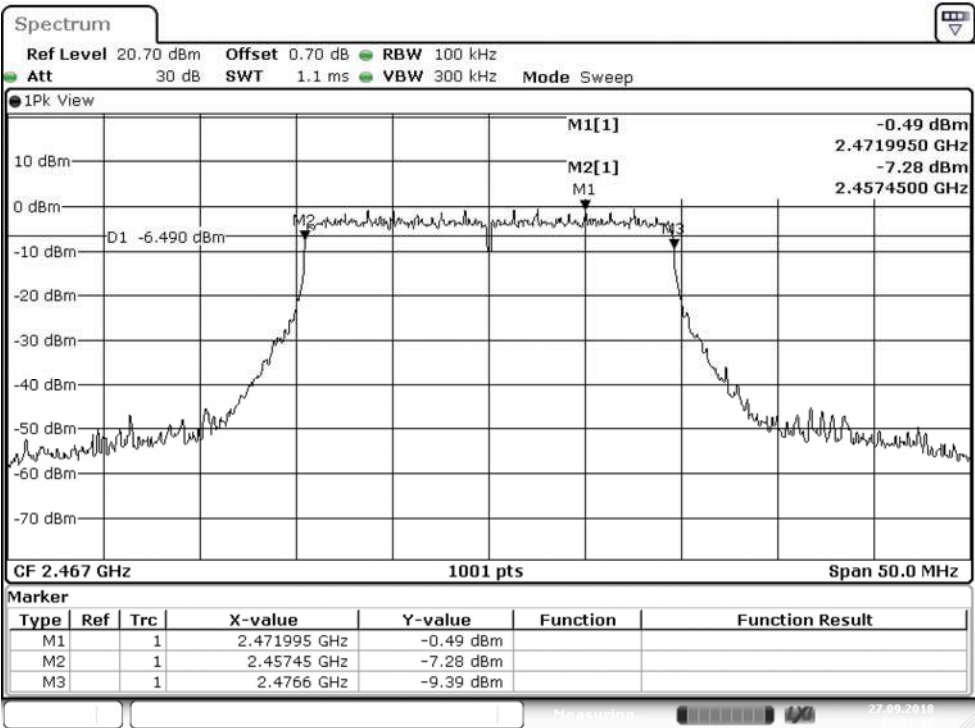
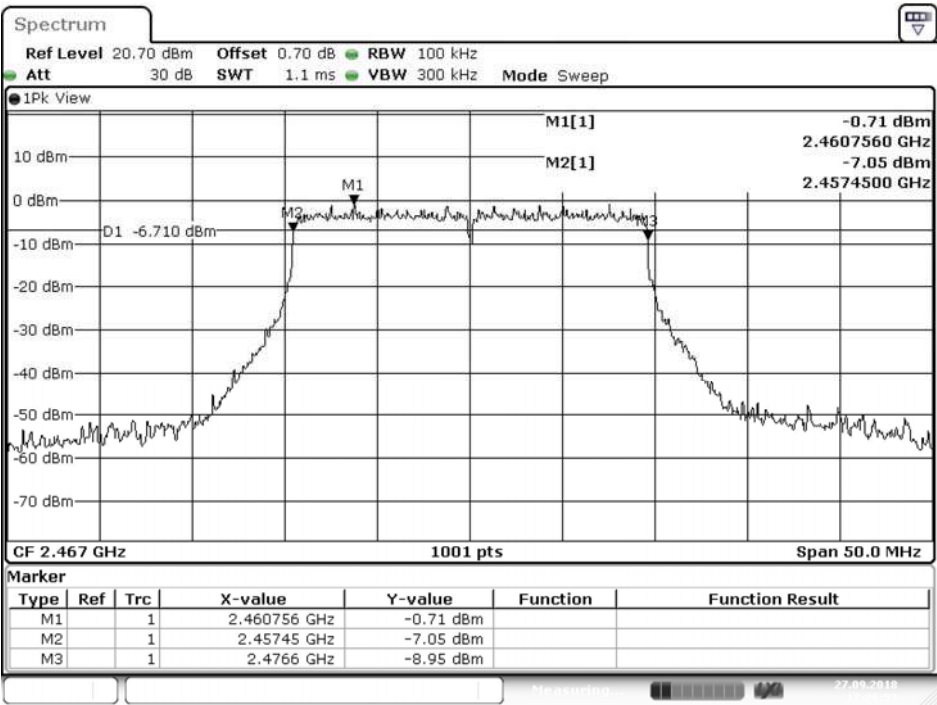


Figure Channel 12: (Chain B)



Date: 27.SEP.2018 17:26:52

Figure Channel 13: (Chain A)

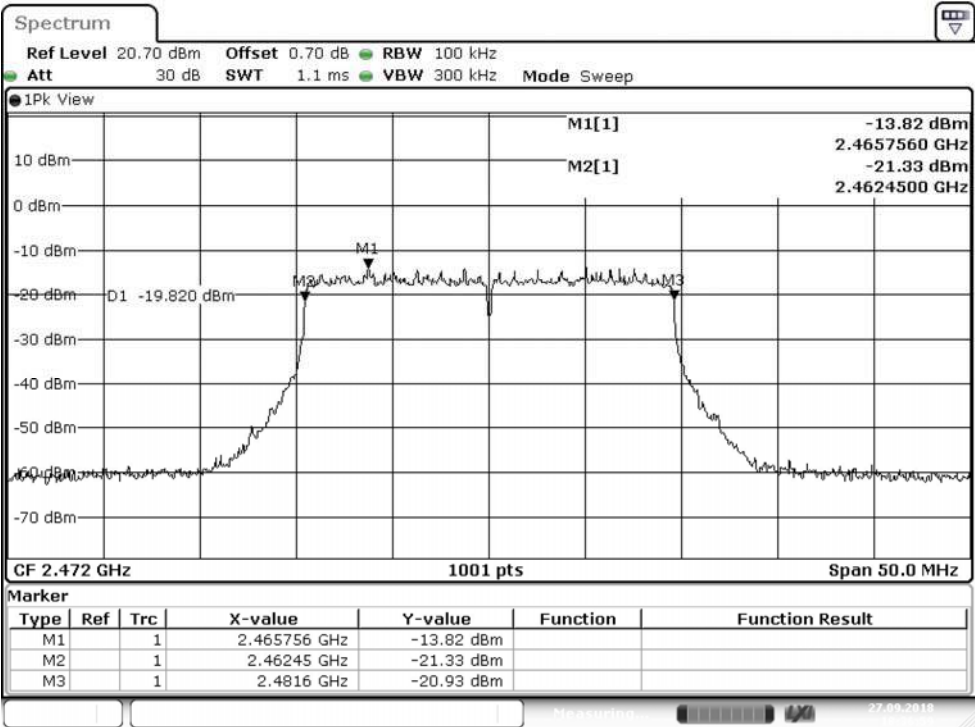
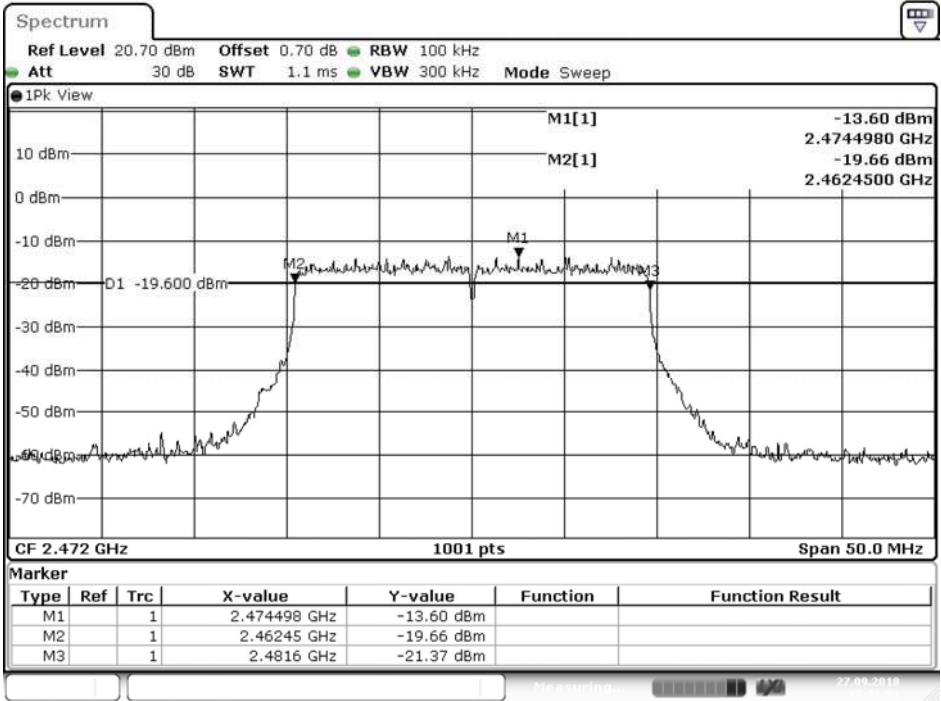


Figure Channel 13: (Chain B)



Date: 27.SEP.2018 17:31:53

待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

6 dB 頻寬：100kHz

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：佔用頻帶寬度

測試模式：Mode 3: MIMO: 發射器 802.11ax (40MHz)

視頻頻寬：300kHz

測試距離：Conducted

環境溫度：20 °C

環境濕度：52 %

Channel No.	Frequency (MHz)	Chain	Measurement Level (kHz)	Required Limit (kHz)	Result
03	2422	A	38300	>500	Pass
07	2442	A	38300	>500	Pass
09	2452	A	38300	>500	Pass
10	2457	A	38300	>500	Pass
11	2462	A	38300	>500	Pass
03	2422	B	38300	>500	Pass
07	2442	B	38300	>500	Pass
09	2452	B	38300	>500	Pass
10	2457	B	38300	>500	Pass
11	2462	B	38300	>500	Pass

Figure Channel 03: (Chain A)

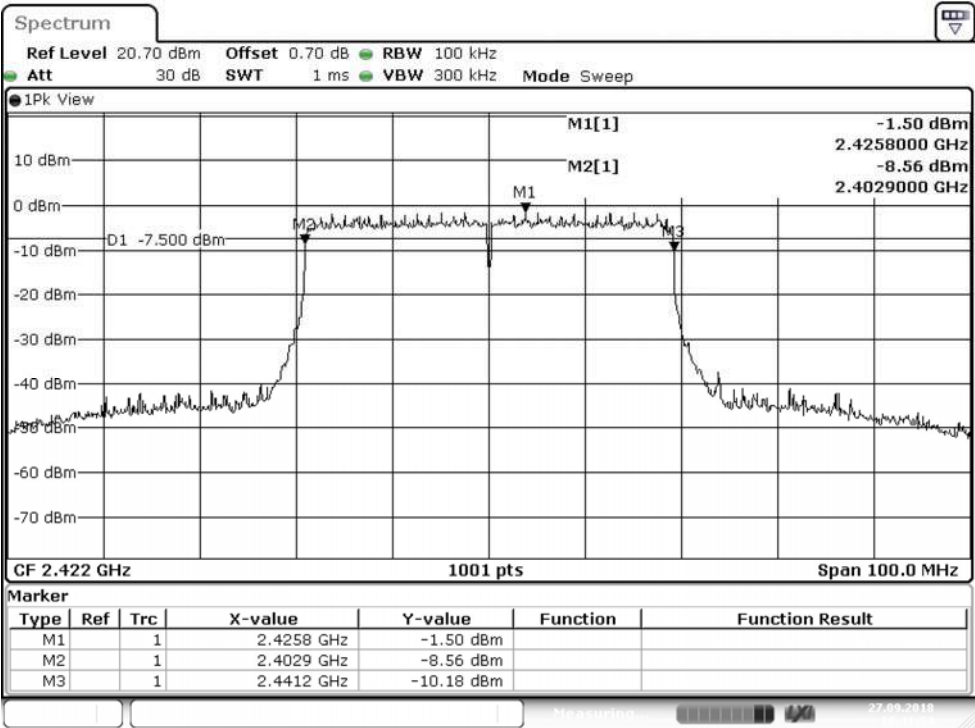
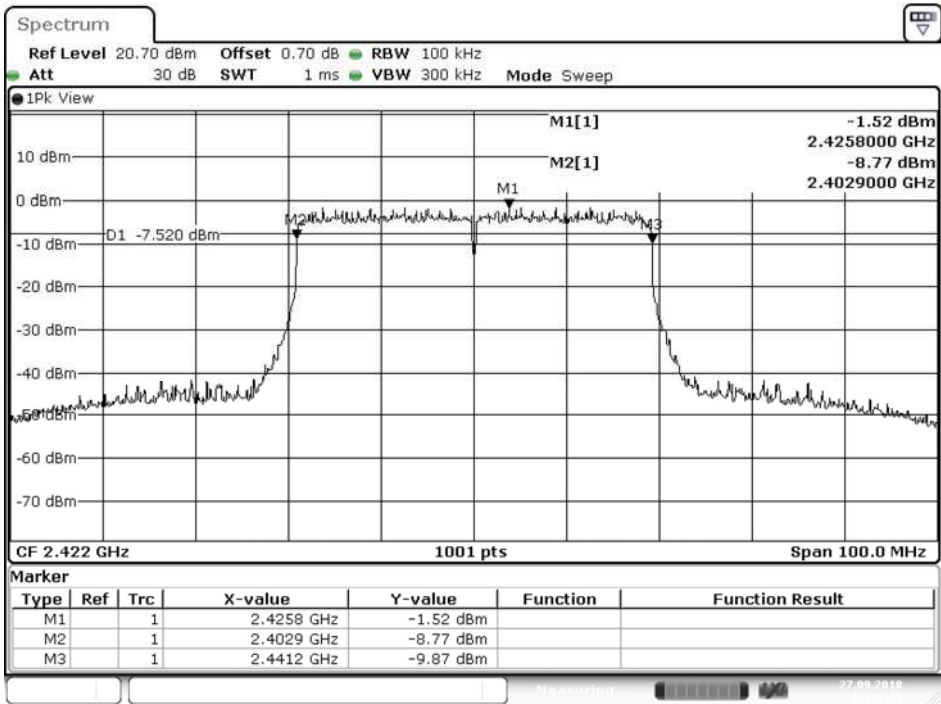


Figure Channel 03: (Chain B)



Date: 27.SEP.2018 17:36:49

Figure Channel 07: (Chain A)

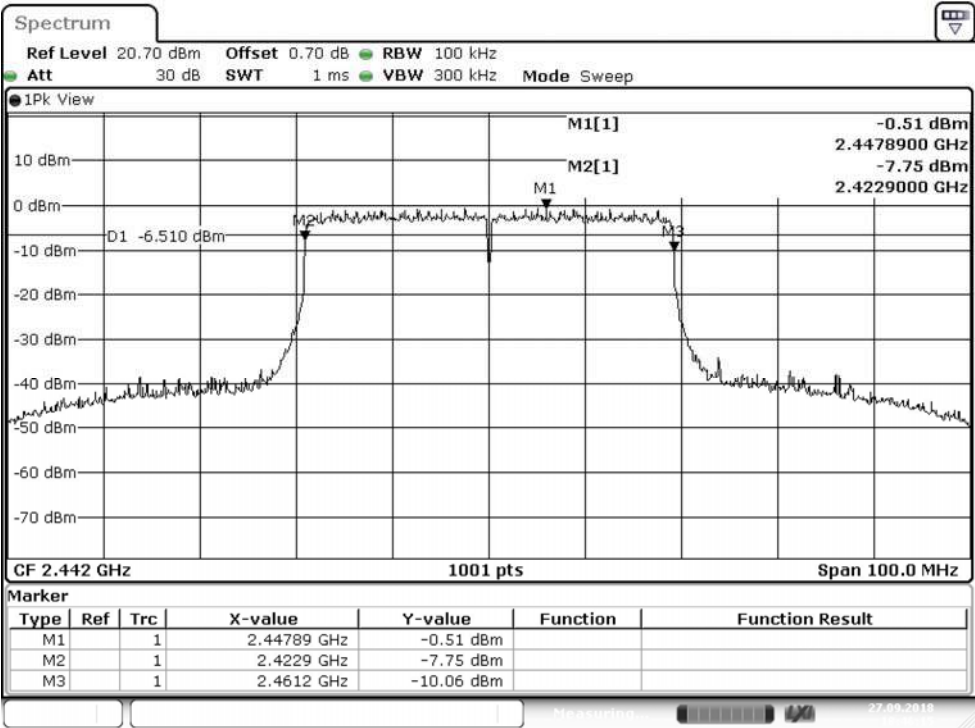
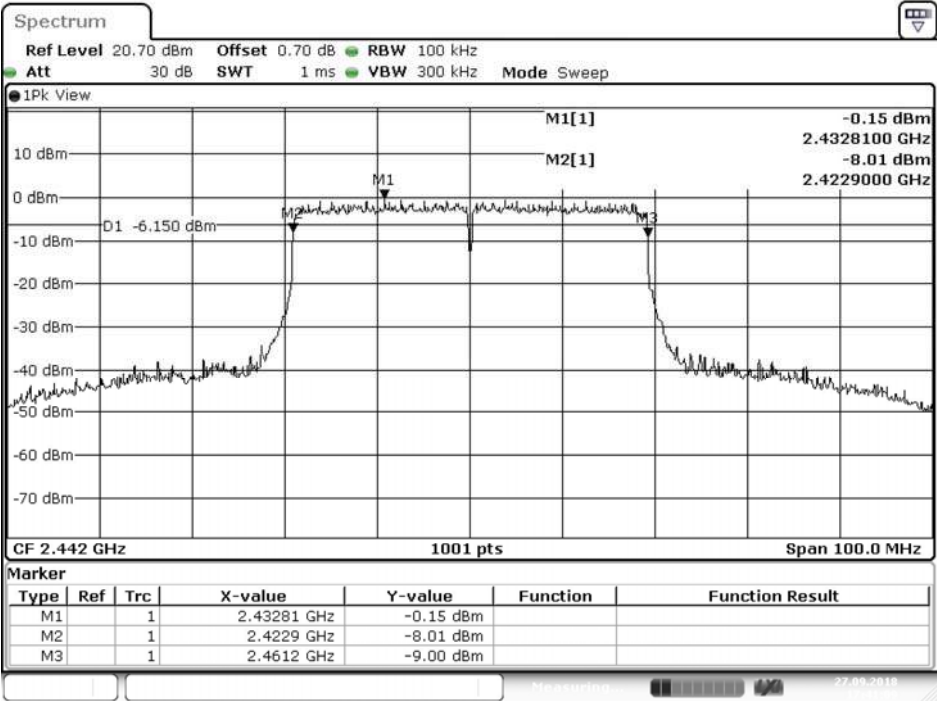


Figure Channel 07: (Chain B)



Date: 27.SEP.2018 17:41:10

Figure Channel 09: (Chain A)

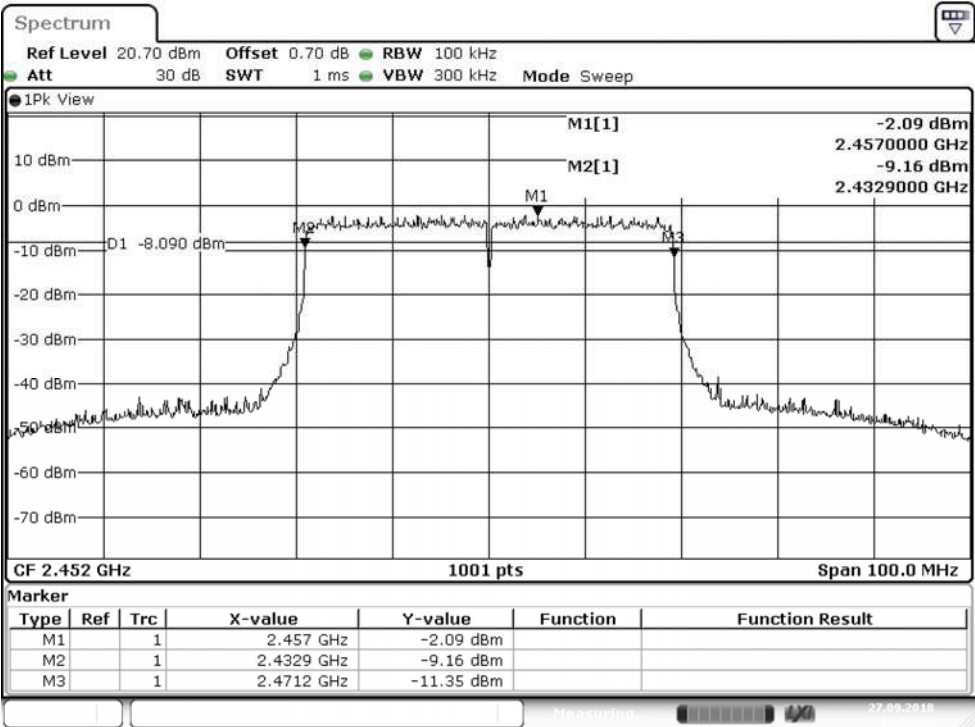
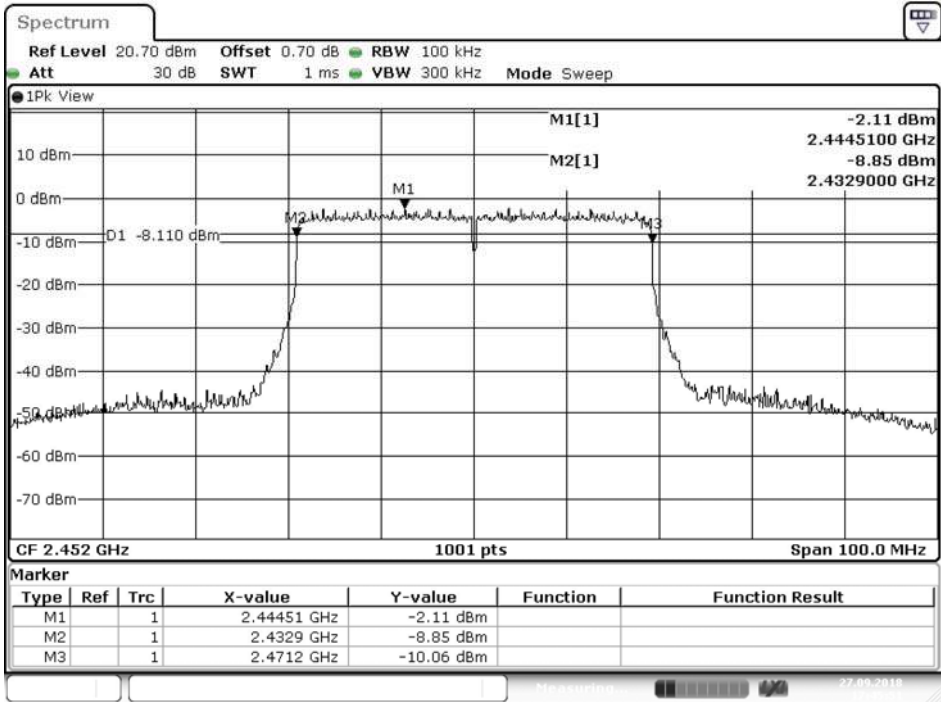


Figure Channel 09: (Chain B)



Date: 27.SEP.2018 17:45:52

Figure Channel 10: (Chain A)

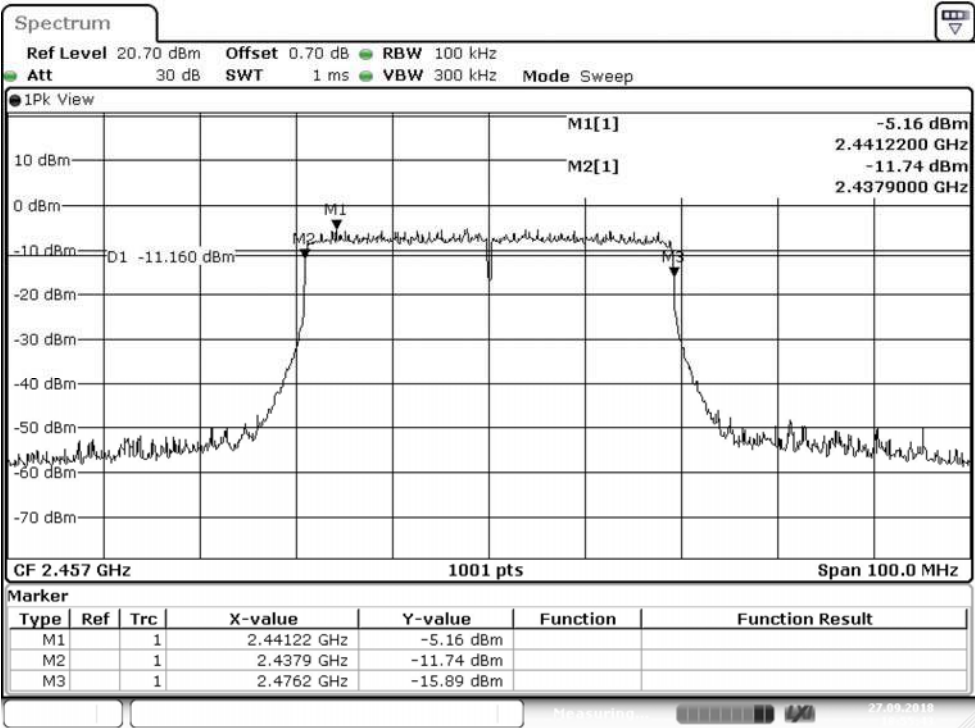
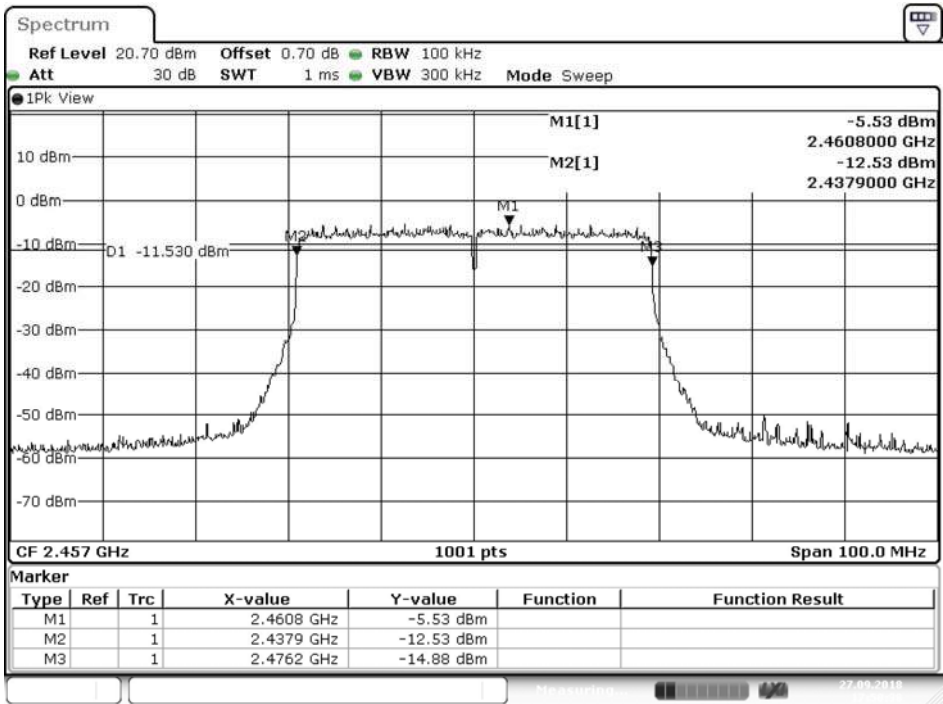


Figure Channel 10: (Chain B)



Date: 27.SEP.2018 17:50:38

Figure Channel 11: (Chain A)

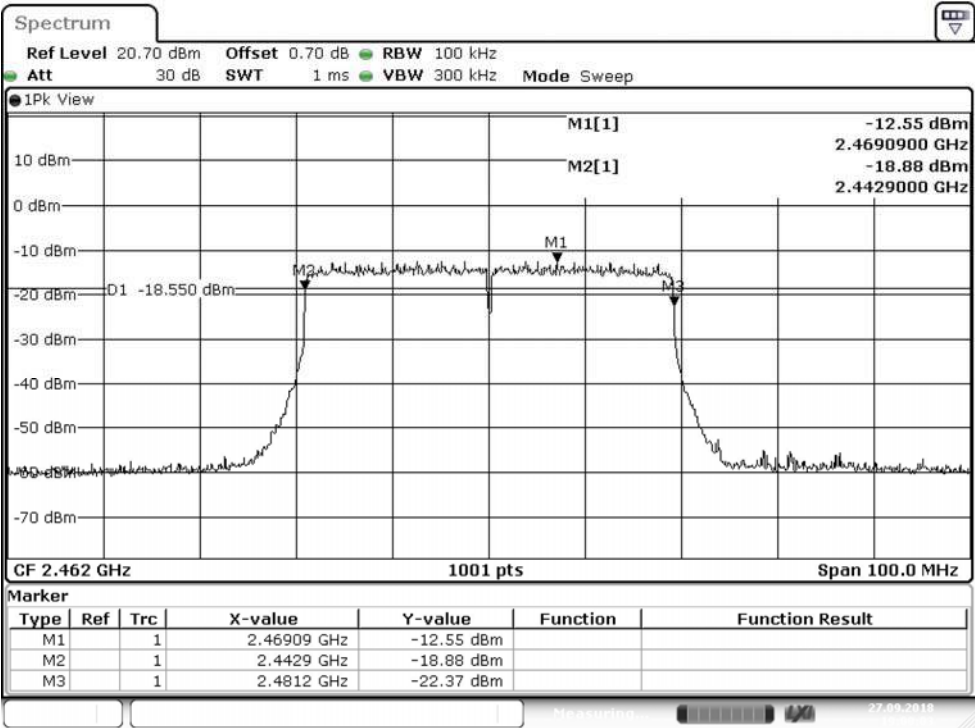
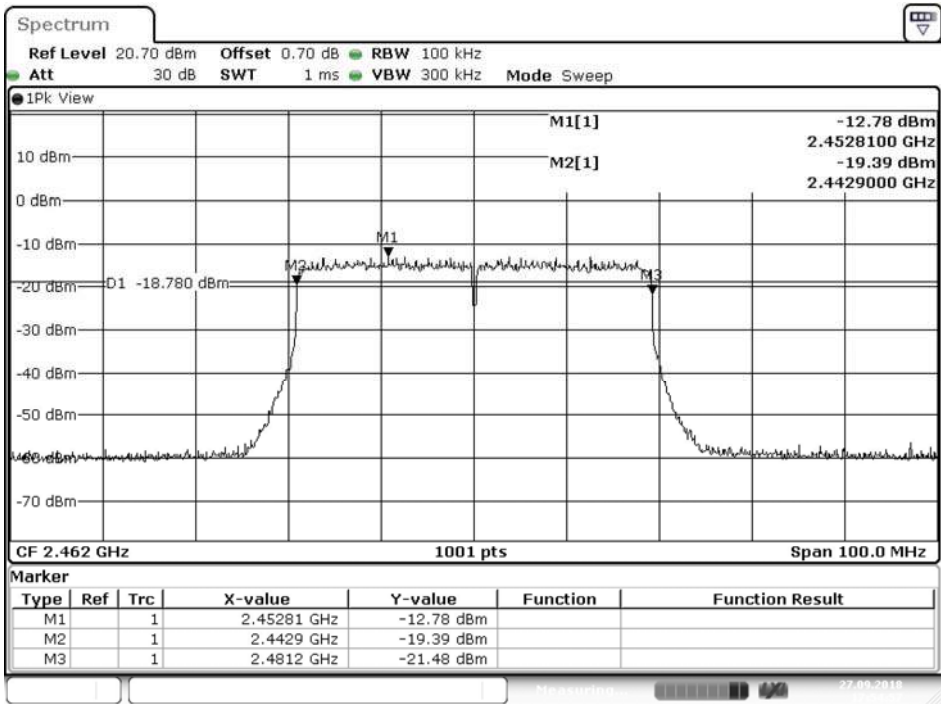


Figure Channel 11: (Chain B)



Date: 27.SEP.2018 17:54:57

佔用頻道寬度測試結果:	PASS
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10. 發射電功率密度

10.1. 適用標準

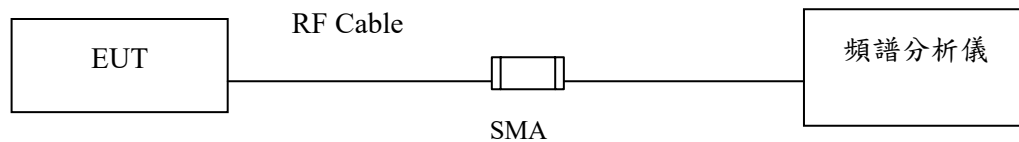
依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.6 節，在使用頻率範圍之任意 3 千赫(kHz)頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm，且應依 3.10.1.3 之方式降低功率頻譜密度限制值。

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 $\pm 1.23\text{dB}$ 。

10.5. 功率密度量測結果

待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 1: SISO A: 發射器 802.11b

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	6.130	$\leq 8\text{dBm}$	Pass
07	2442	7.380	$\leq 8\text{dBm}$	Pass
11	2462	7.240	$\leq 8\text{dBm}$	Pass
12	2467	5.250	$\leq 8\text{dBm}$	Pass
13	2472	4.590	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

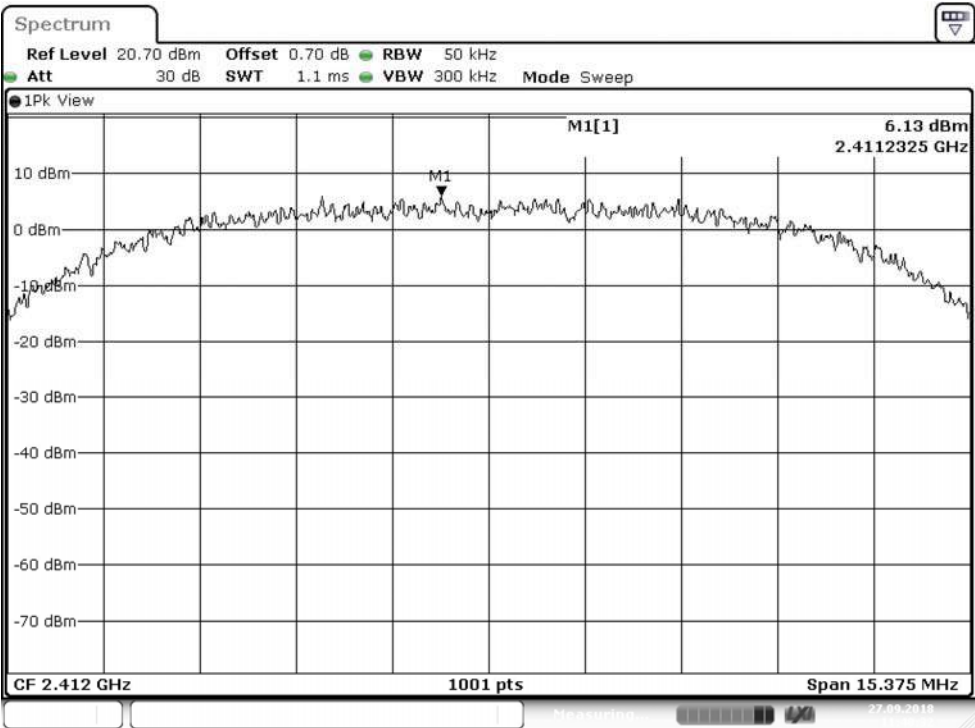


Figure Channel 07:

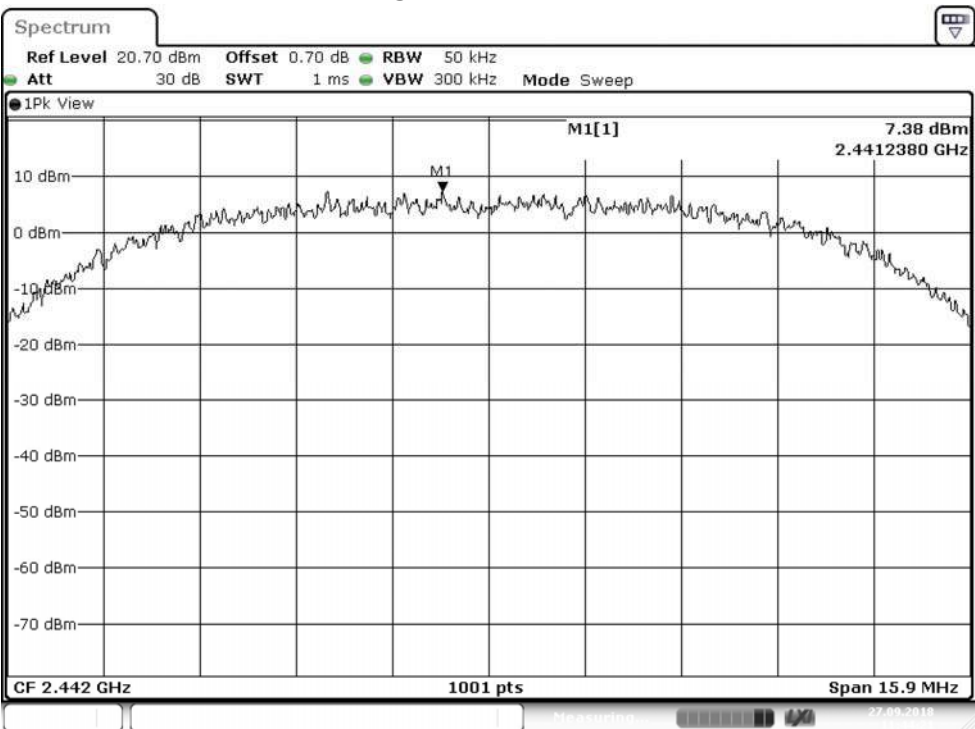


Figure Channel 11:

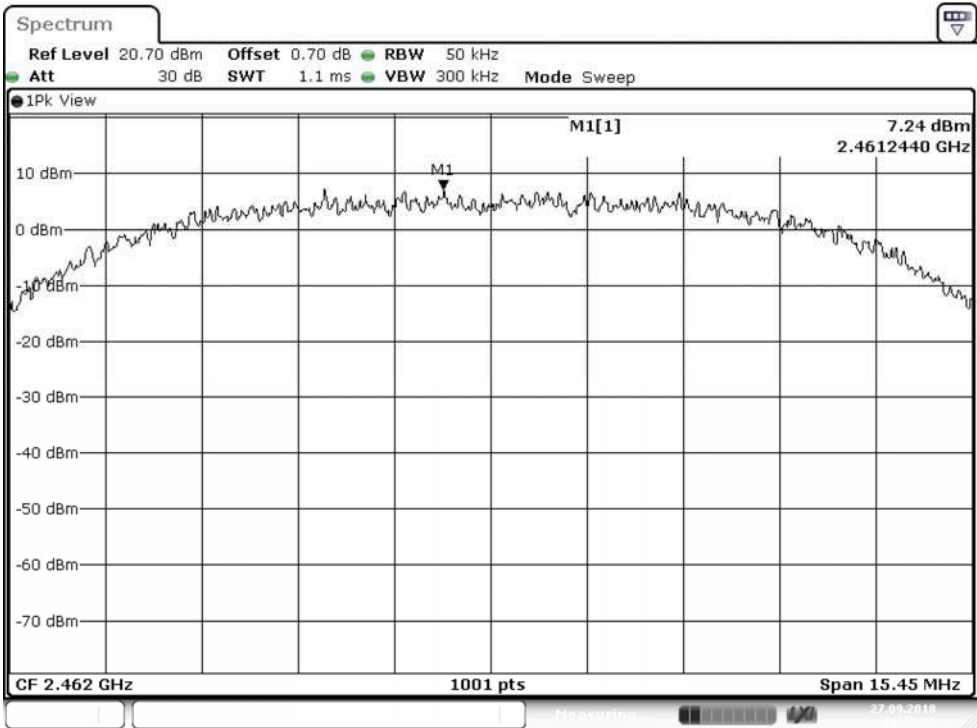


Figure Channel 12:

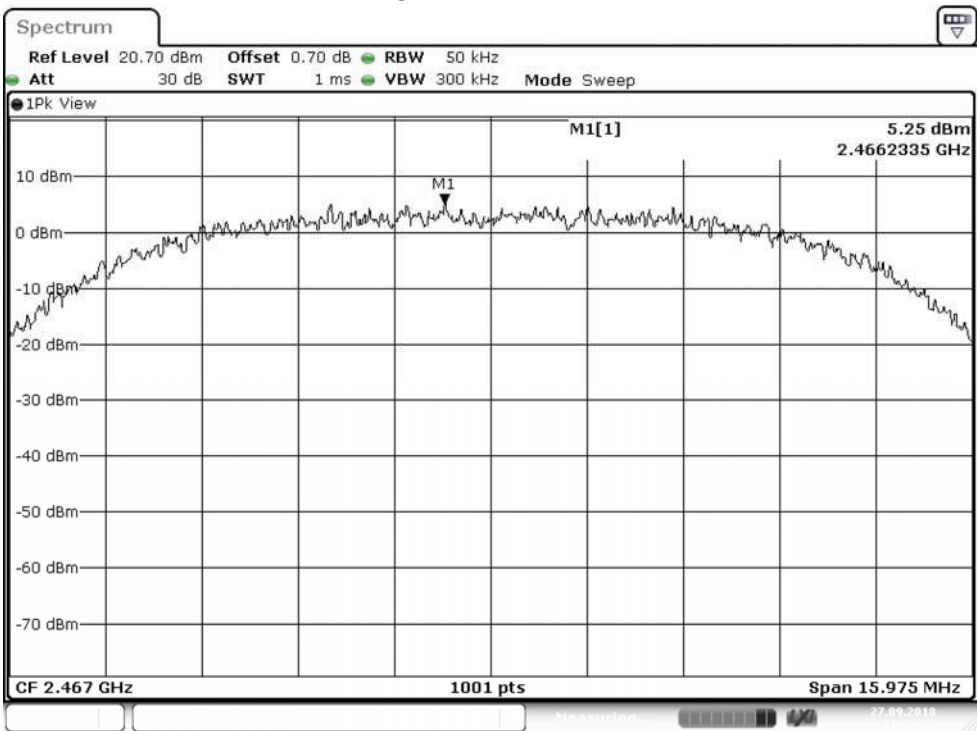
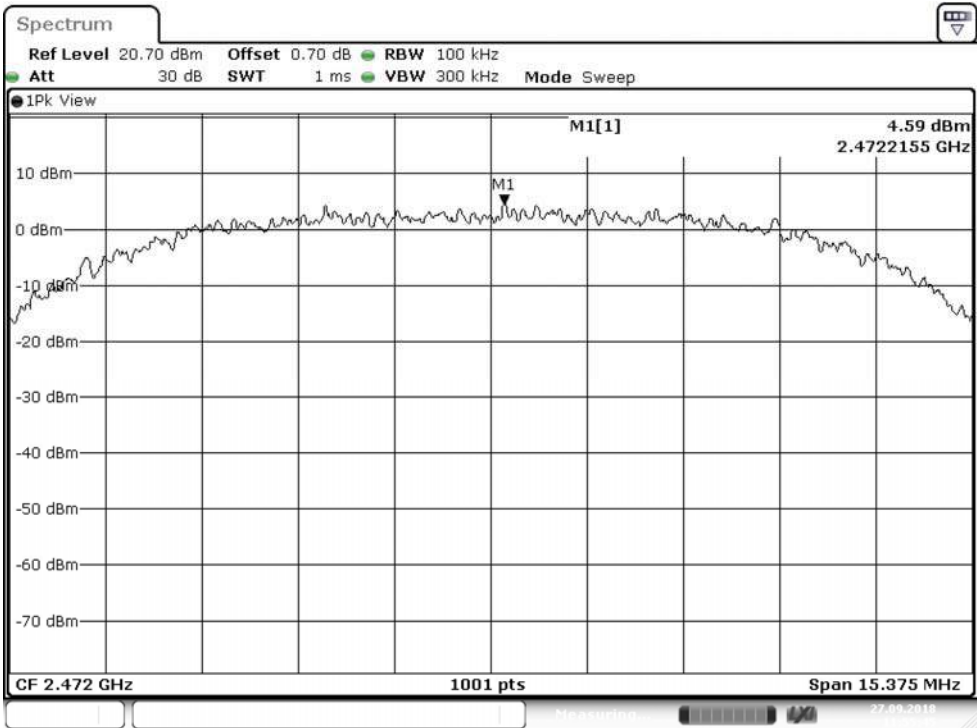


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 1: SISO A: 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	4.880	$\leq 8\text{dBm}$	Pass
07	2442	6.580	$\leq 8\text{dBm}$	Pass
11	2462	5.880	$\leq 8\text{dBm}$	Pass
12	2467	2.920	$\leq 8\text{dBm}$	Pass
13	2472	-10.470	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

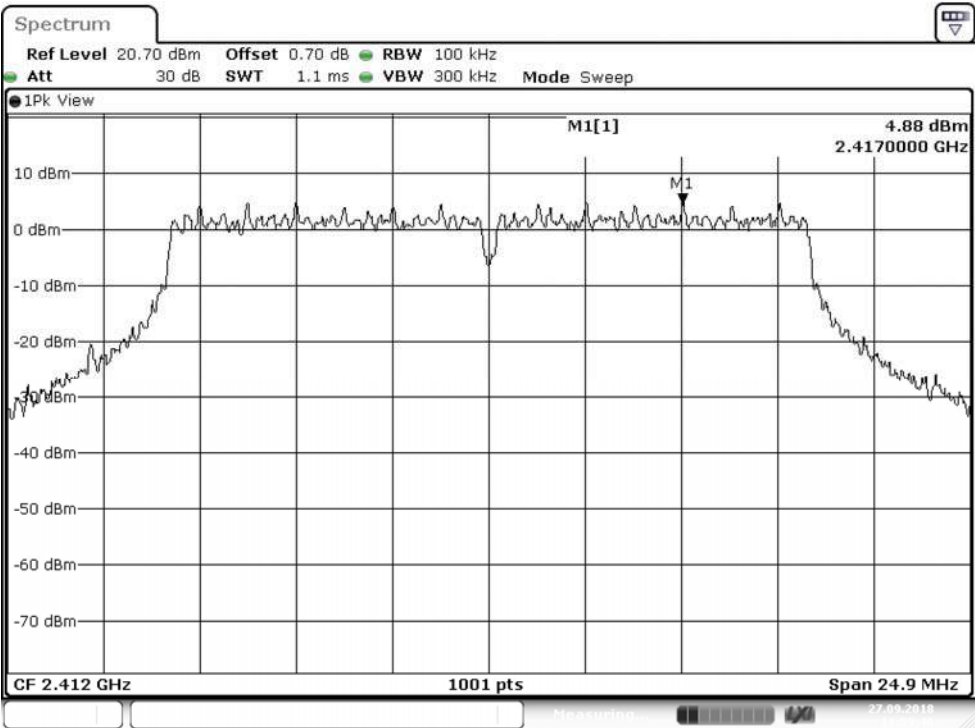


Figure Channel 07:

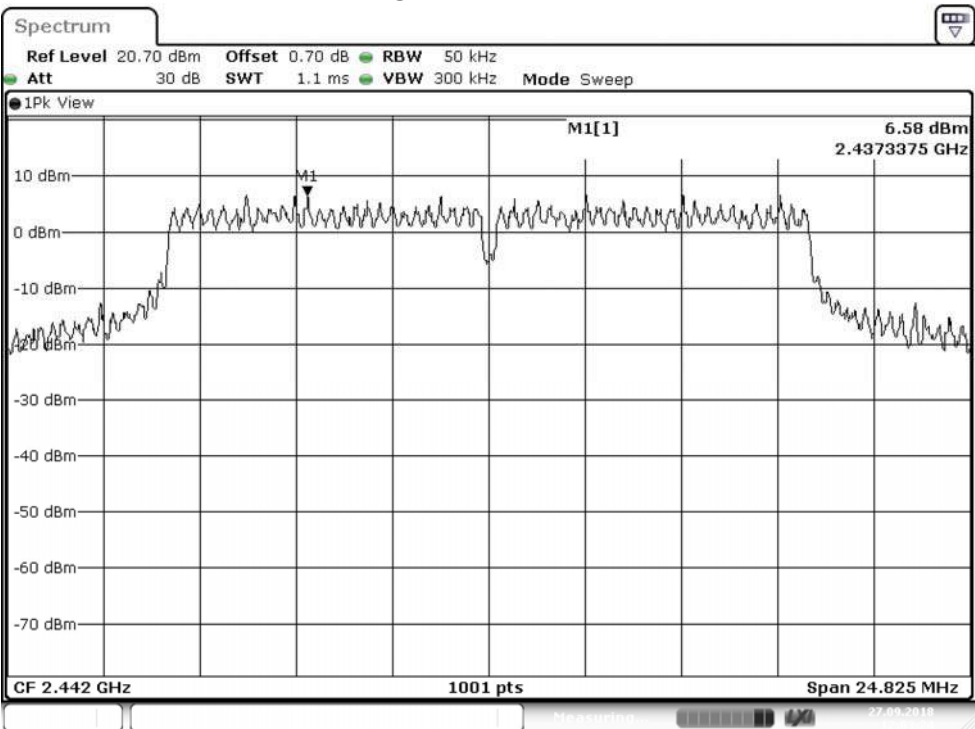


Figure Channel 11:

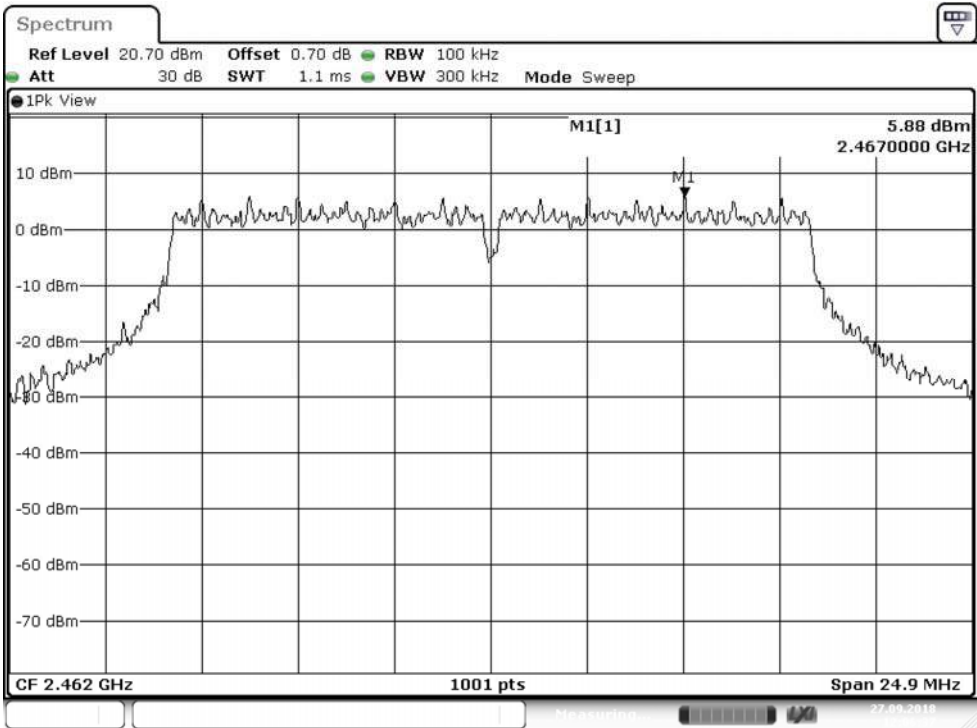


Figure Channel 12:

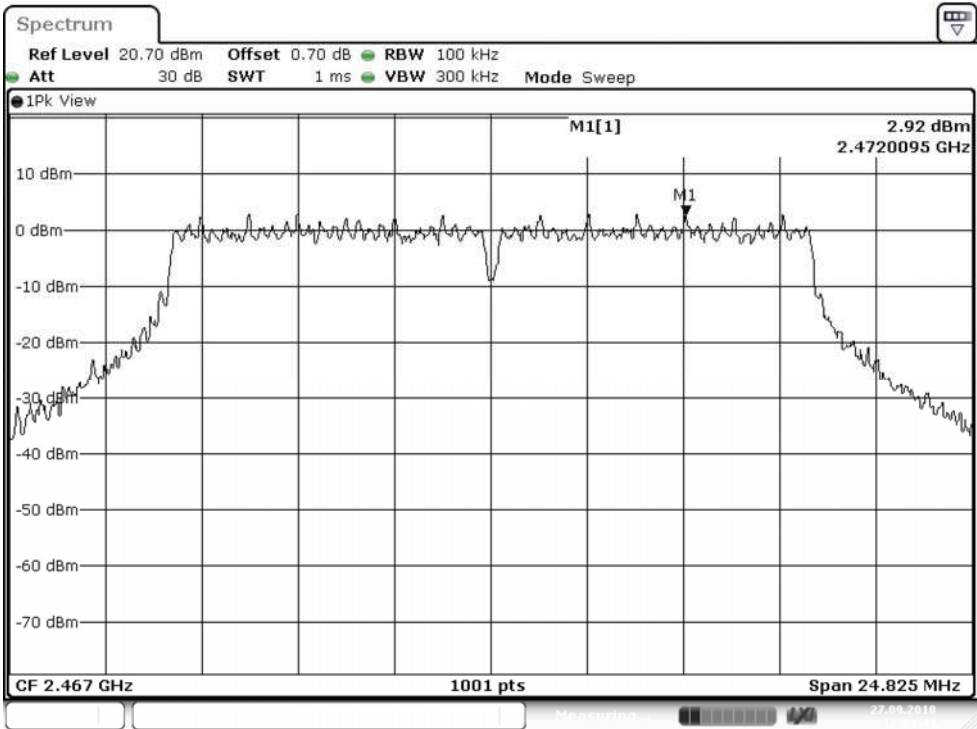
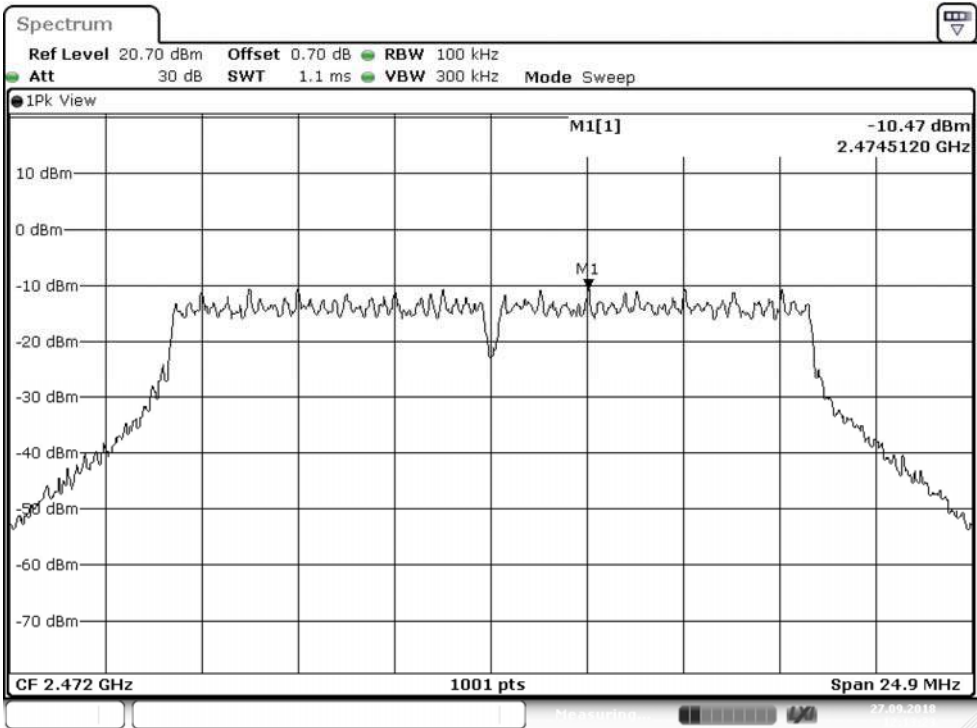


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 1: SISO A: 發射器 802.11n (20MHz)

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	4.860	$\leq 8\text{dBm}$	Pass
07	2442	6.410	$\leq 8\text{dBm}$	Pass
11	2462	5.860	$\leq 8\text{dBm}$	Pass
12	2467	2.780	$\leq 8\text{dBm}$	Pass
13	2472	-10.830	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

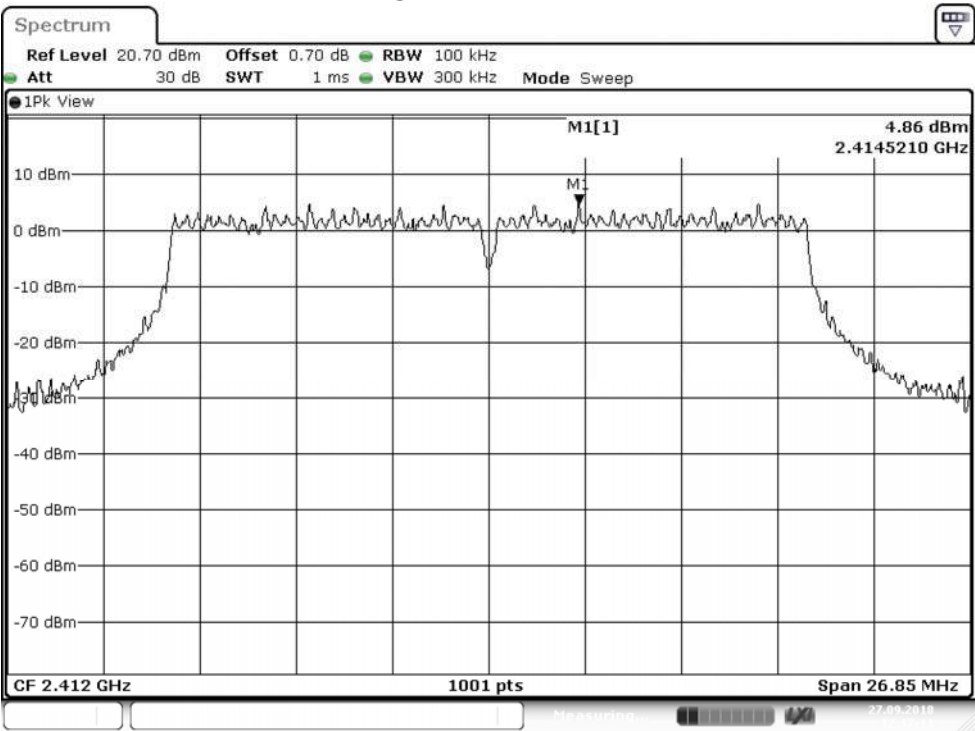


Figure Channel 07:

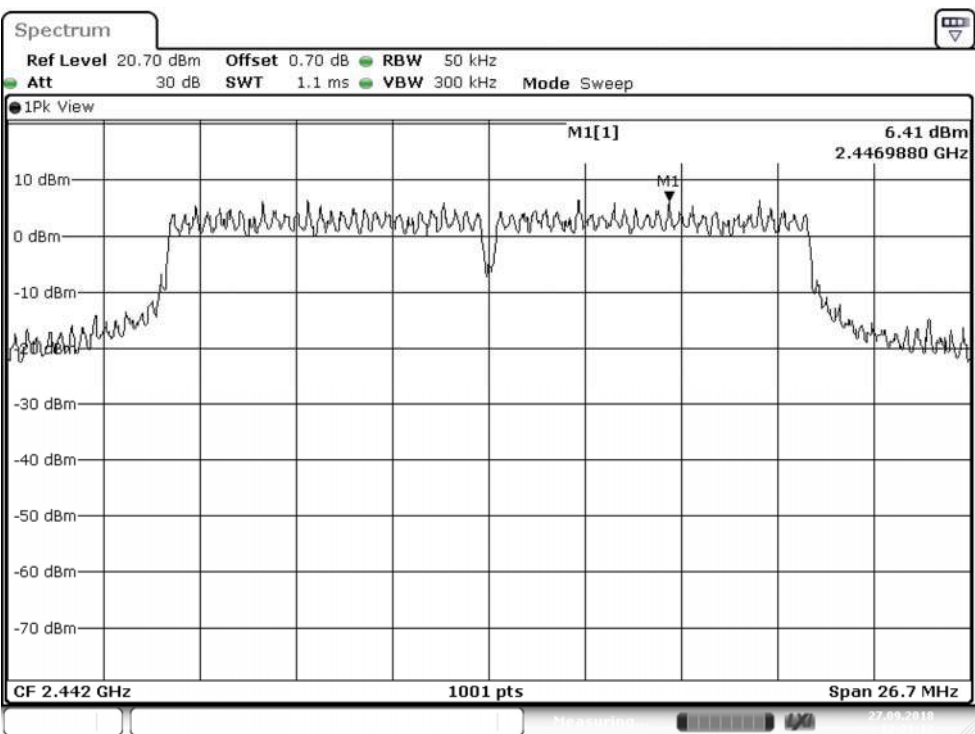


Figure Channel 11:

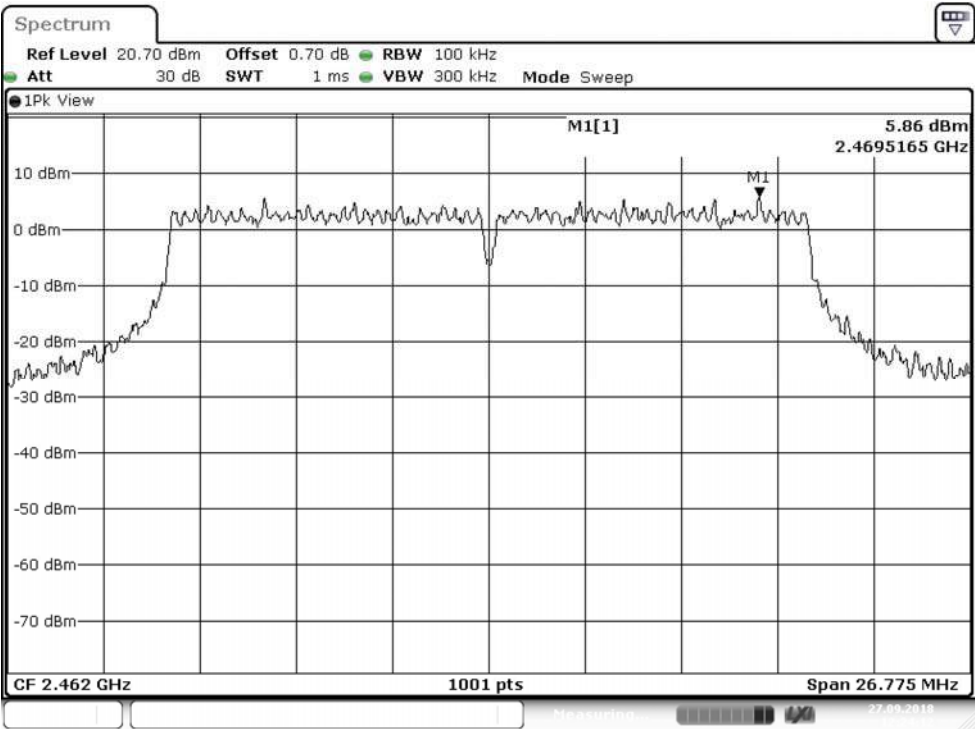


Figure Channel 12:

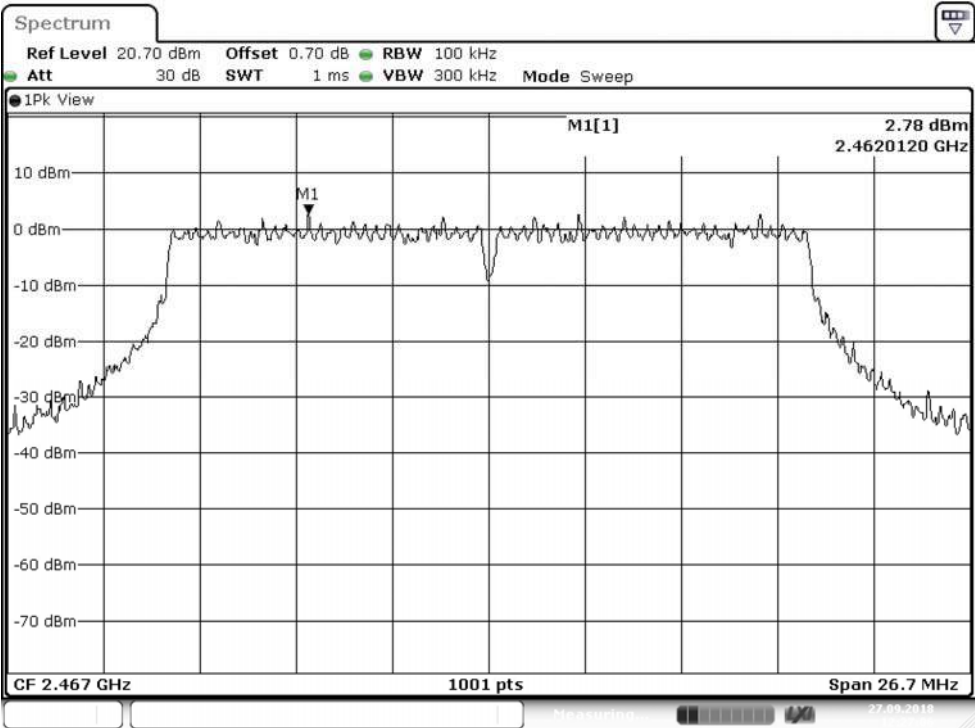
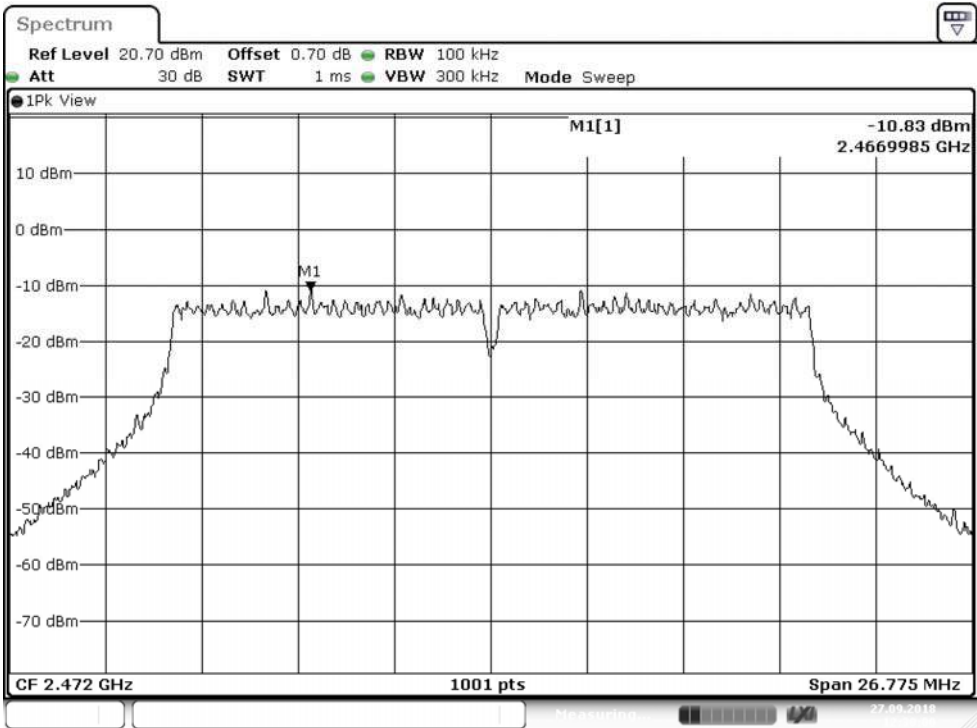


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 1: SISO A: 發射器 802.11n (40MHz)

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
03	2422	1.640	$\leq 8\text{dBm}$	Pass
07	2442	2.540	$\leq 8\text{dBm}$	Pass
09	2452	2.000	$\leq 8\text{dBm}$	Pass
10	2457	-2.590	$\leq 8\text{dBm}$	Pass
11	2462	-9.960	$\leq 8\text{dBm}$	Pass

Figure Channel 03:

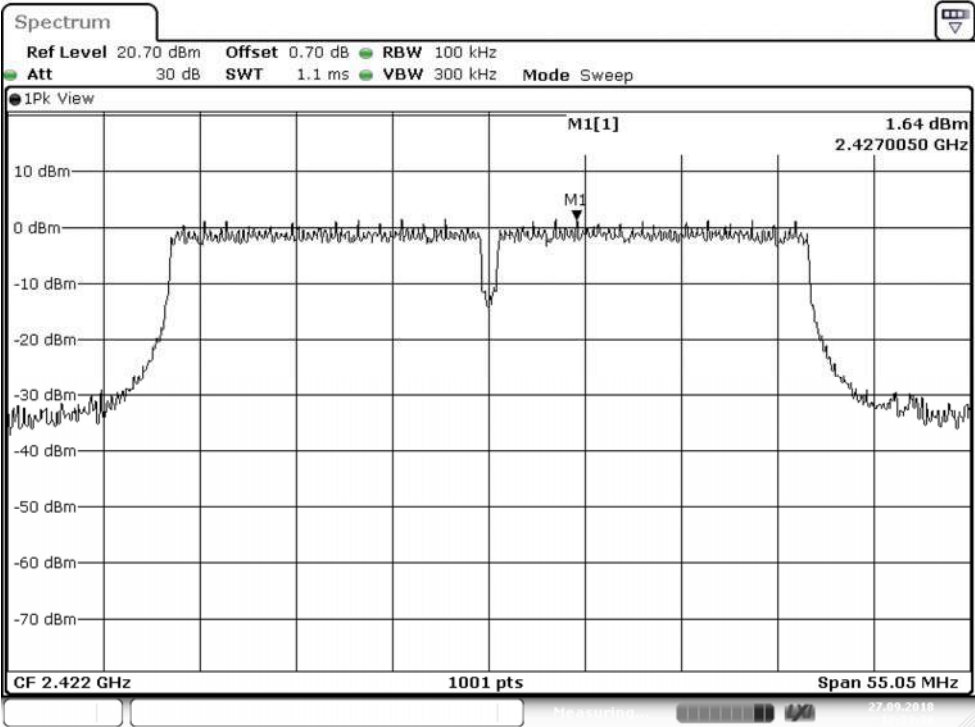


Figure Channel 07:

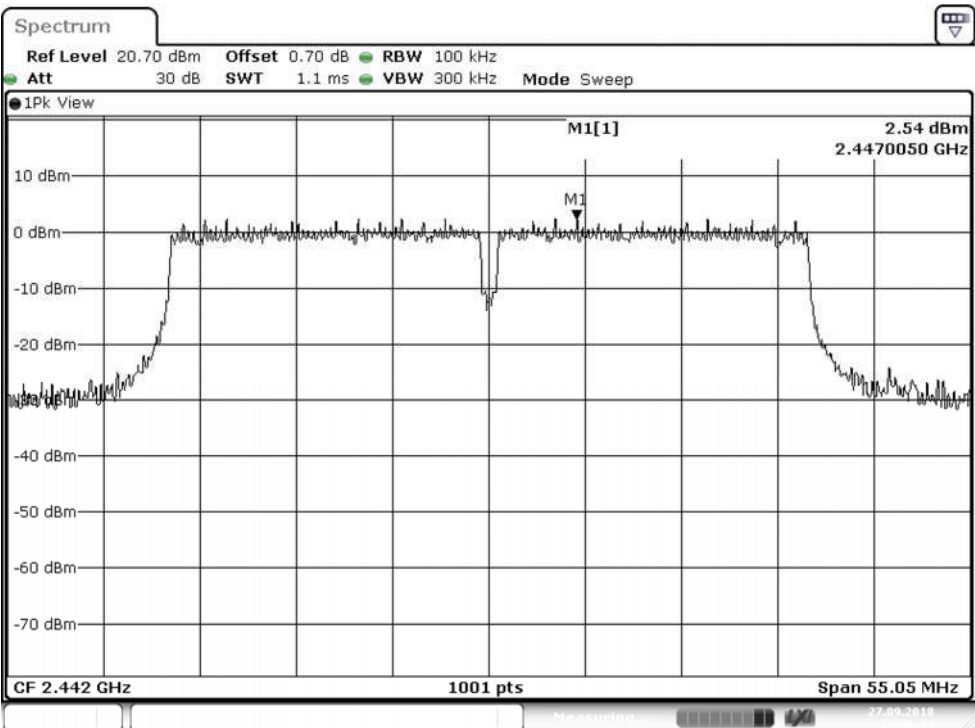


Figure Channel 09:

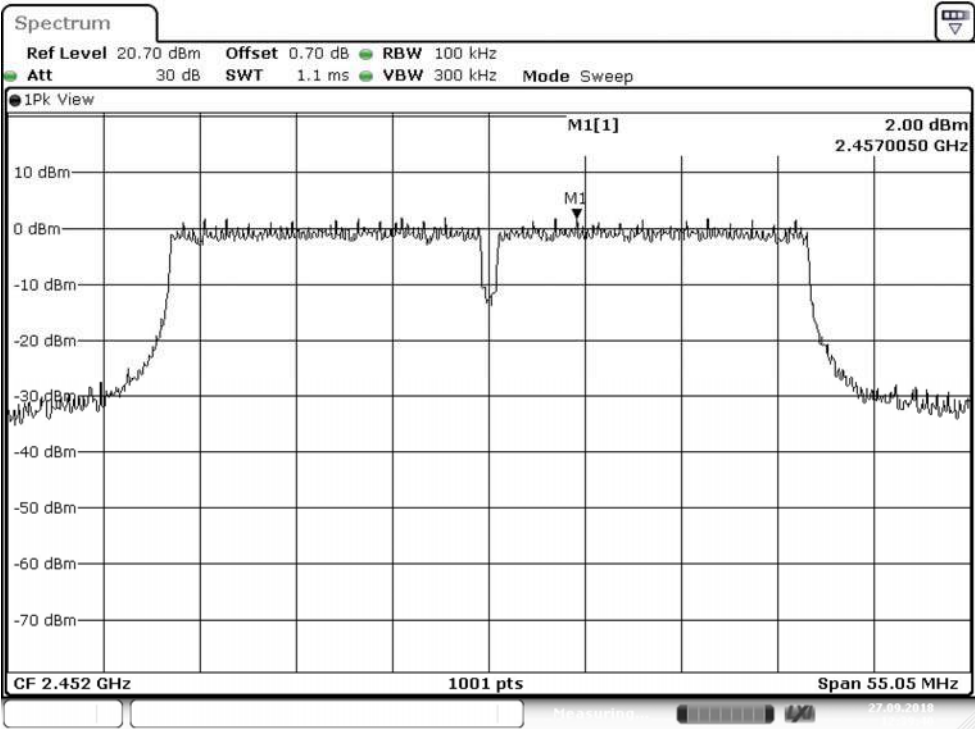


Figure Channel 10:

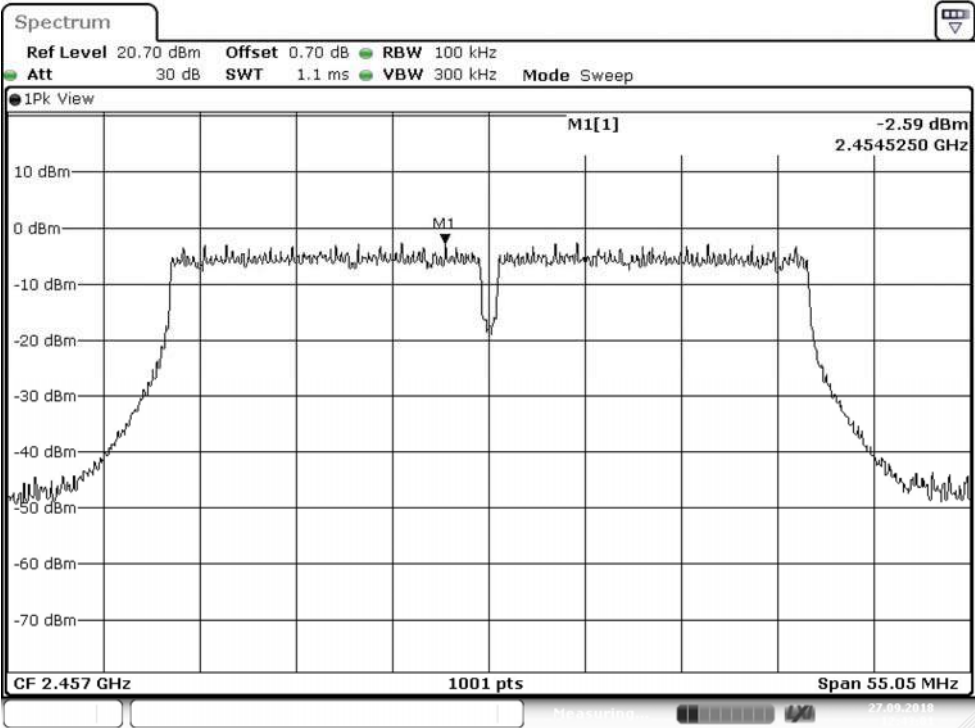
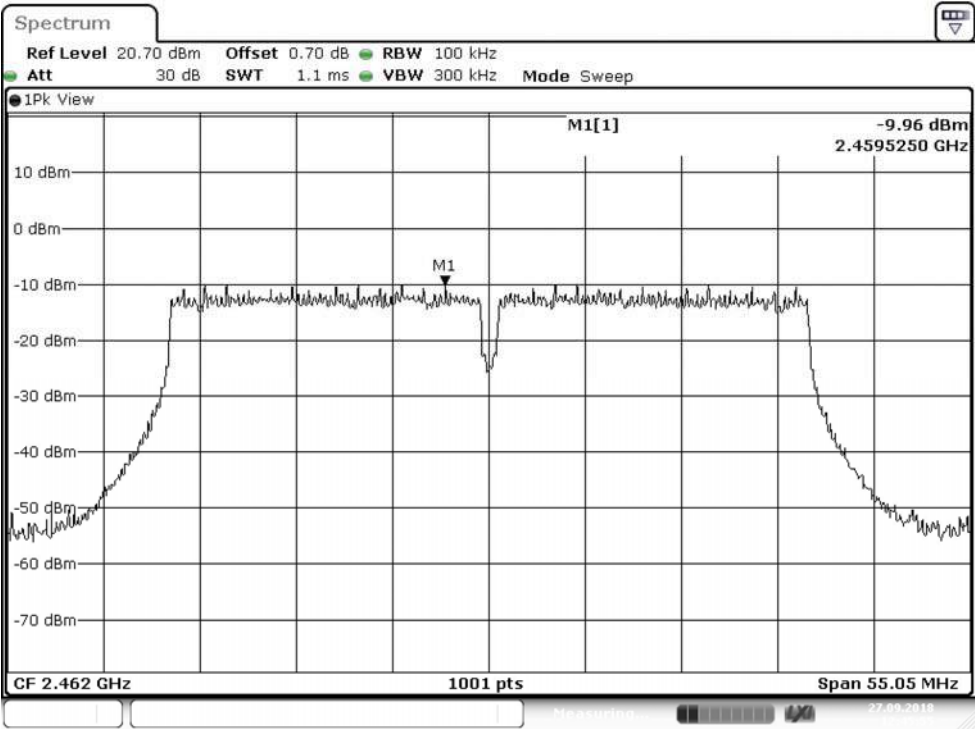


Figure Channel 11:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 2: SISO B: 發射器 802.11b

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	6.400	$\leq 8\text{dBm}$	Pass
07	2442	7.440	$\leq 8\text{dBm}$	Pass
11	2462	6.280	$\leq 8\text{dBm}$	Pass
12	2467	5.250	$\leq 8\text{dBm}$	Pass
13	2472	4.520	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

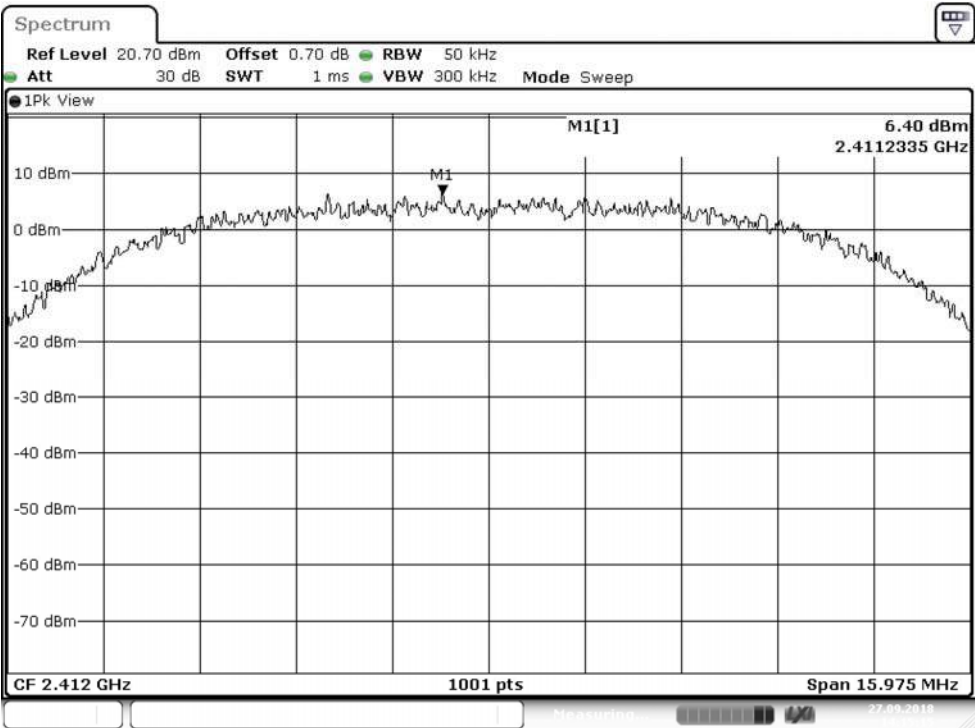


Figure Channel 07:

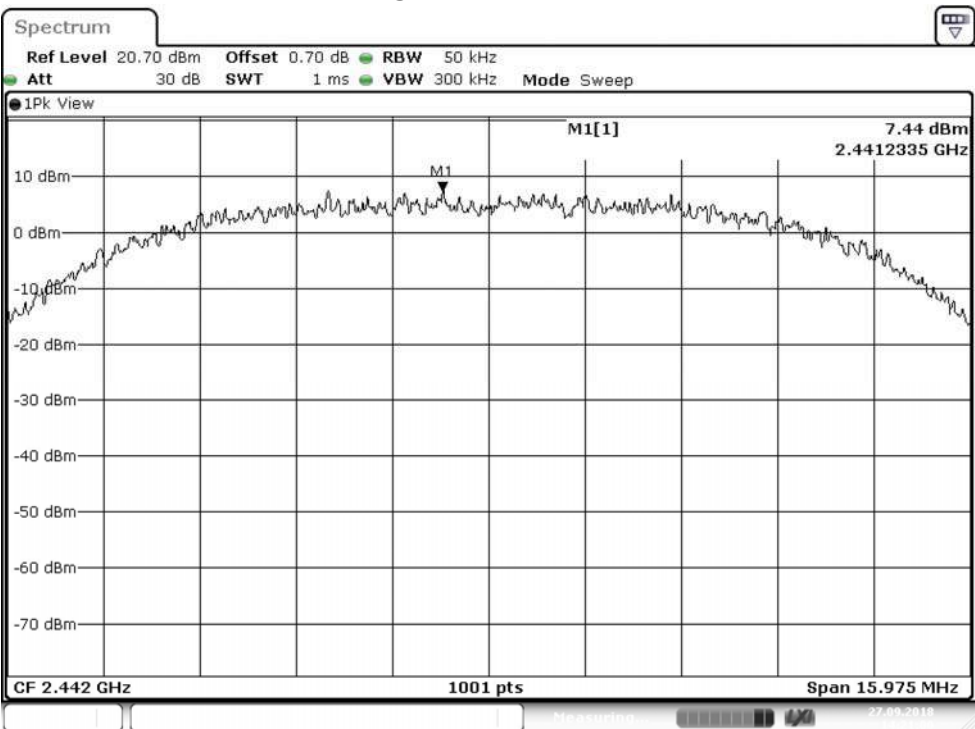


Figure Channel 11:

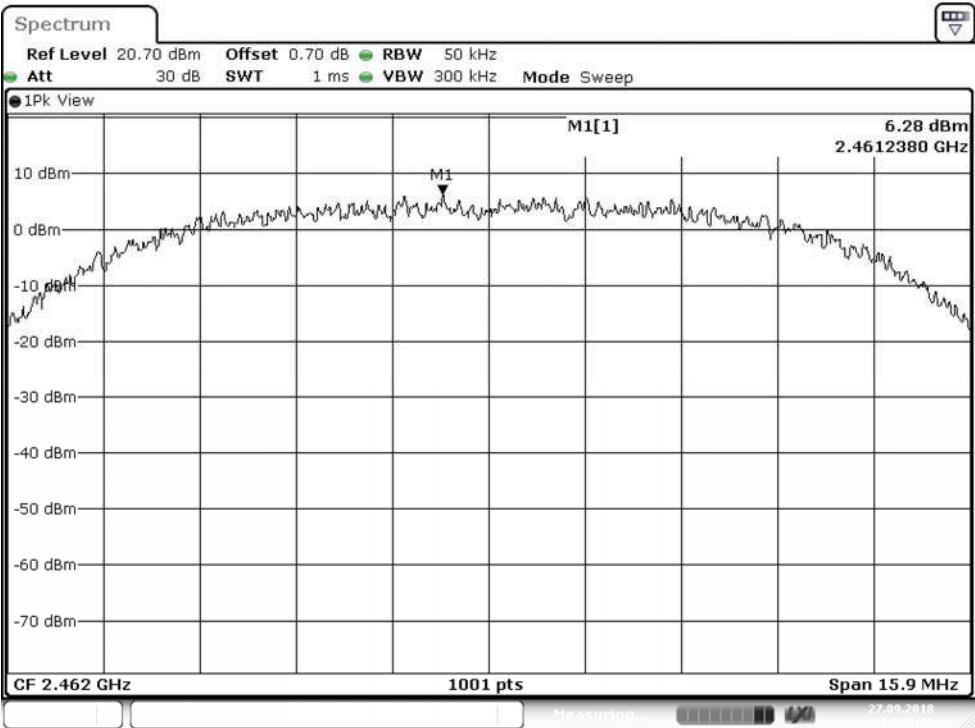


Figure Channel 12:

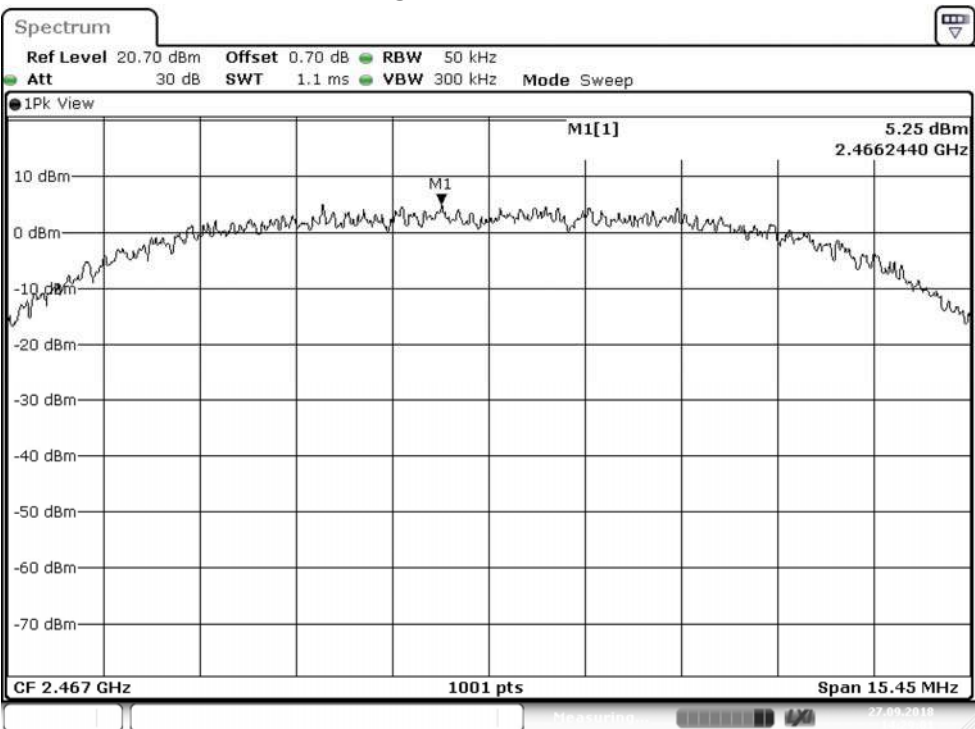
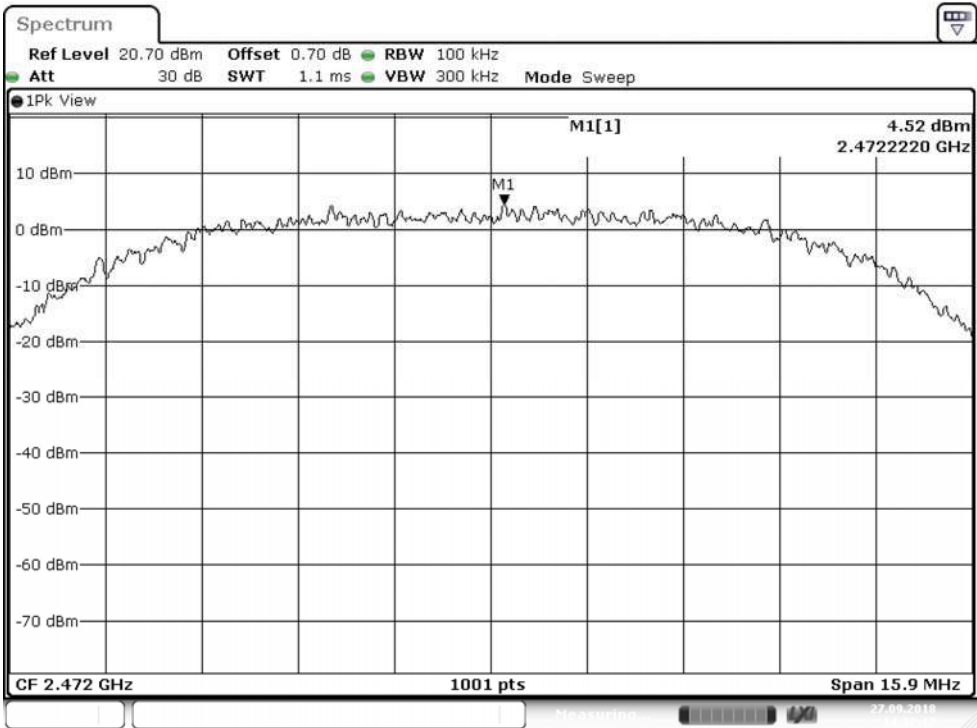


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 2: SISO B: 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	5.030	$\leq 8\text{dBm}$	Pass
07	2442	6.510	$\leq 8\text{dBm}$	Pass
11	2462	6.140	$\leq 8\text{dBm}$	Pass
12	2467	3.050	$\leq 8\text{dBm}$	Pass
13	2472	-10.830	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

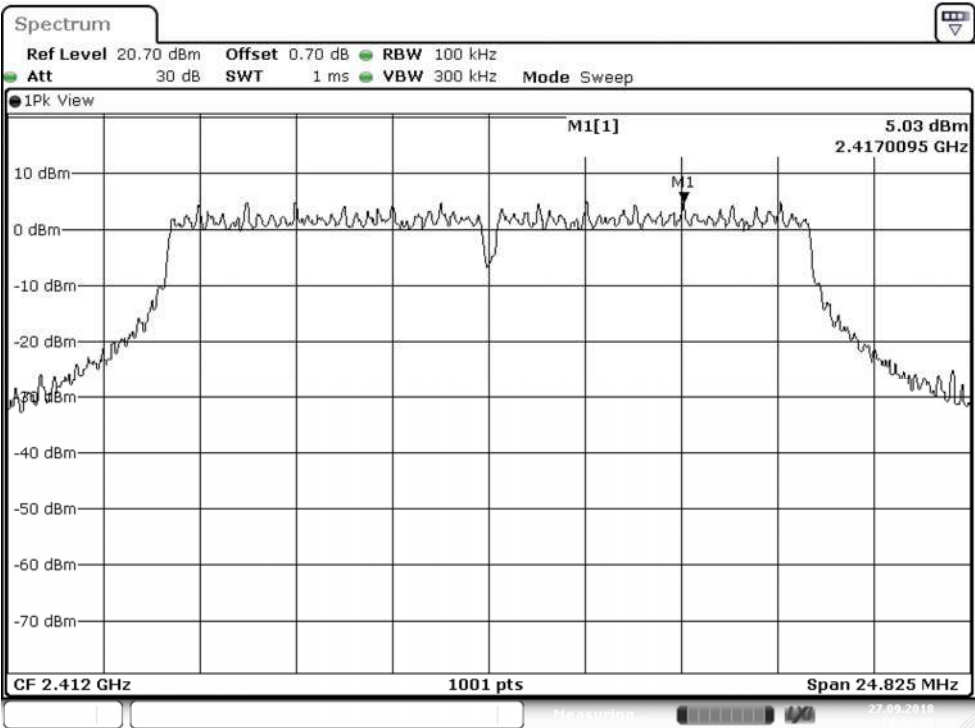


Figure Channel 07:

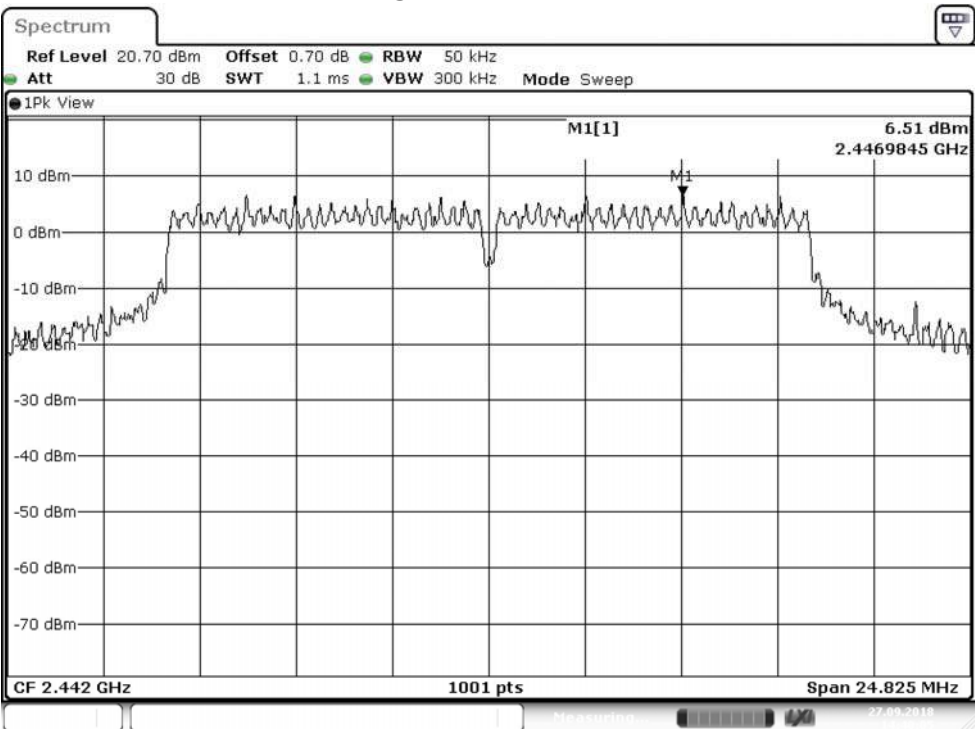


Figure Channel 11:

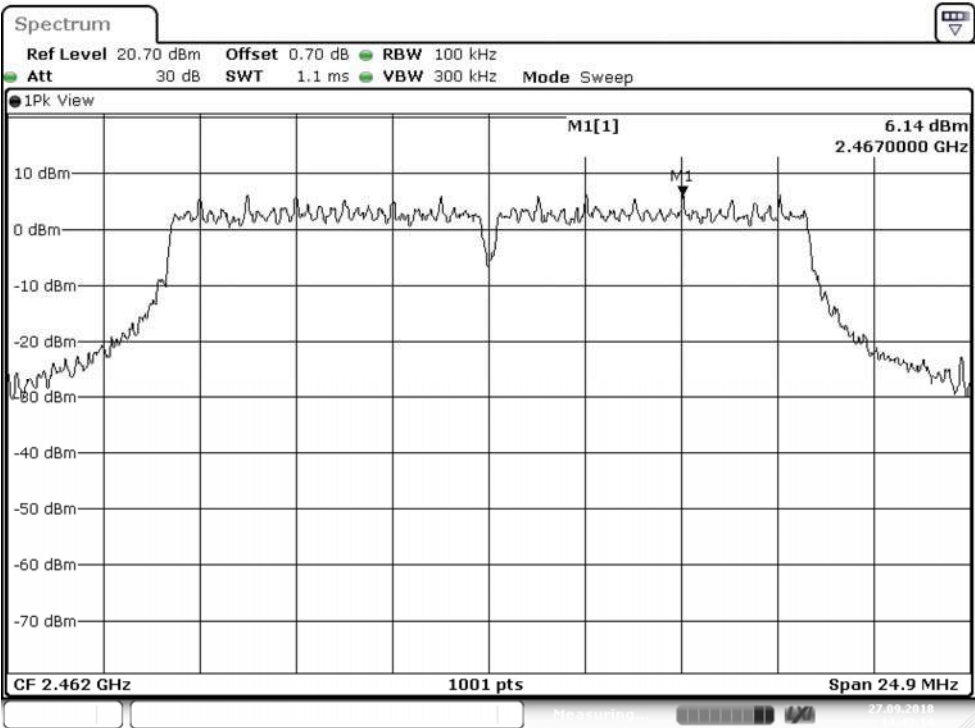


Figure Channel 12:

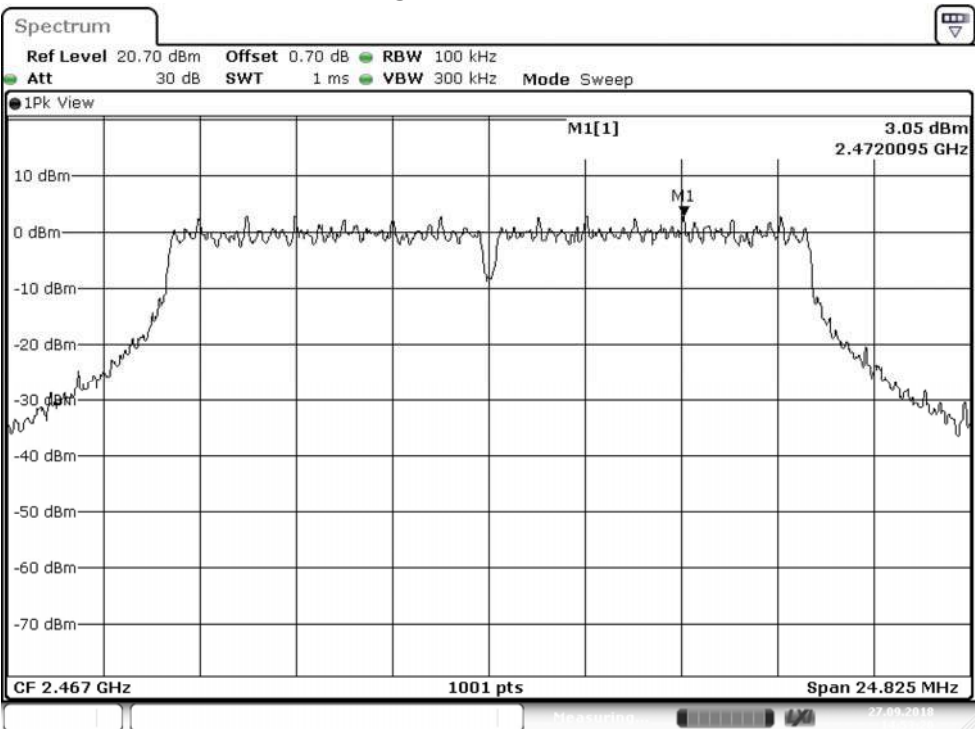
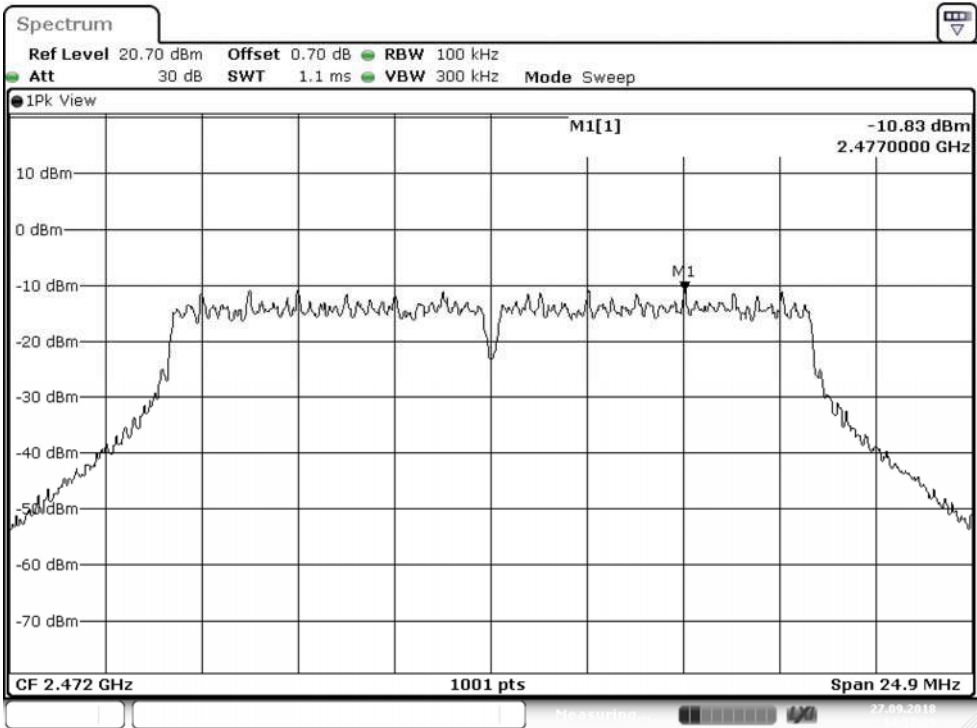


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 2: SISO B: 發射器 802.11n (20MHz)

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	4.870	$\leq 8\text{dBm}$	Pass
07	2442	6.650	$\leq 8\text{dBm}$	Pass
11	2462	6.120	$\leq 8\text{dBm}$	Pass
12	2467	2.790	$\leq 8\text{dBm}$	Pass
13	2472	-11.010	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

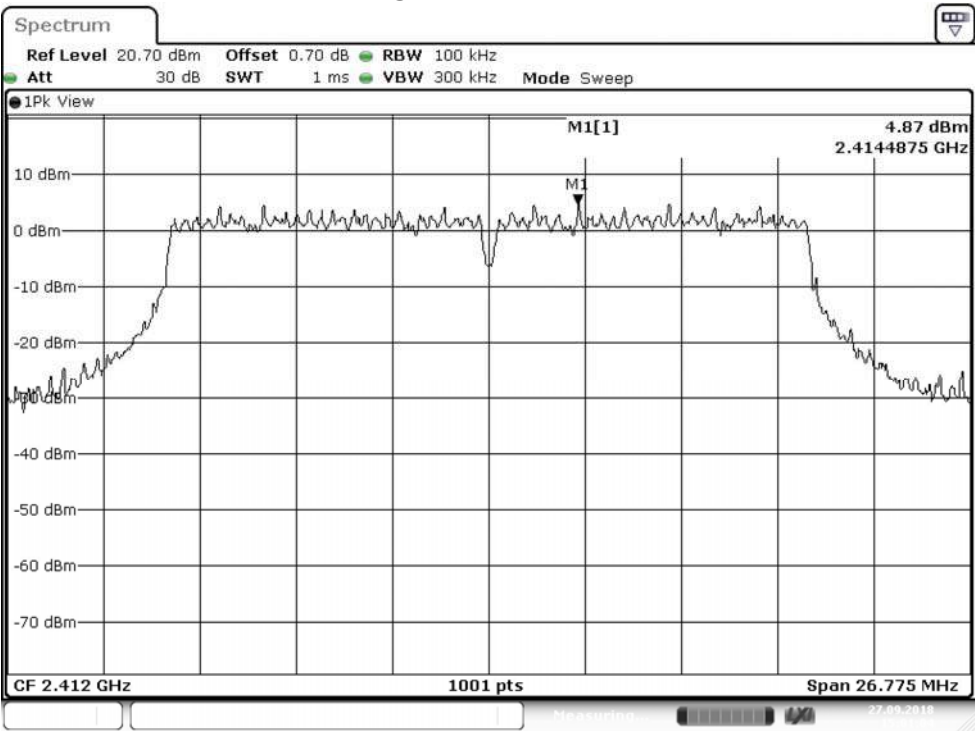


Figure Channel 07:

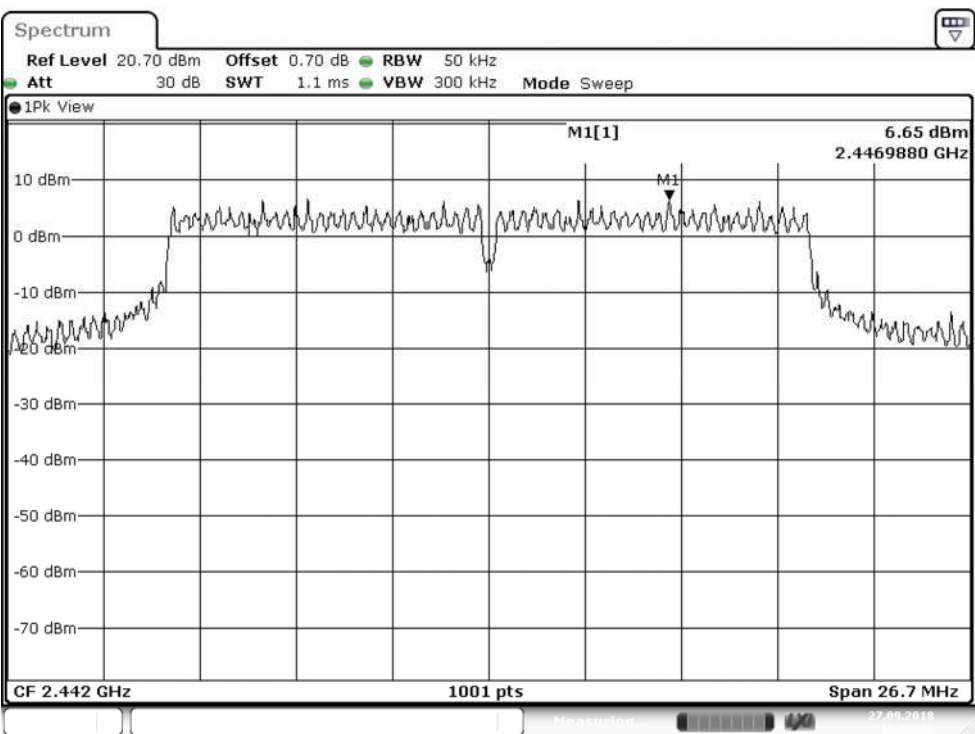


Figure Channel 11:

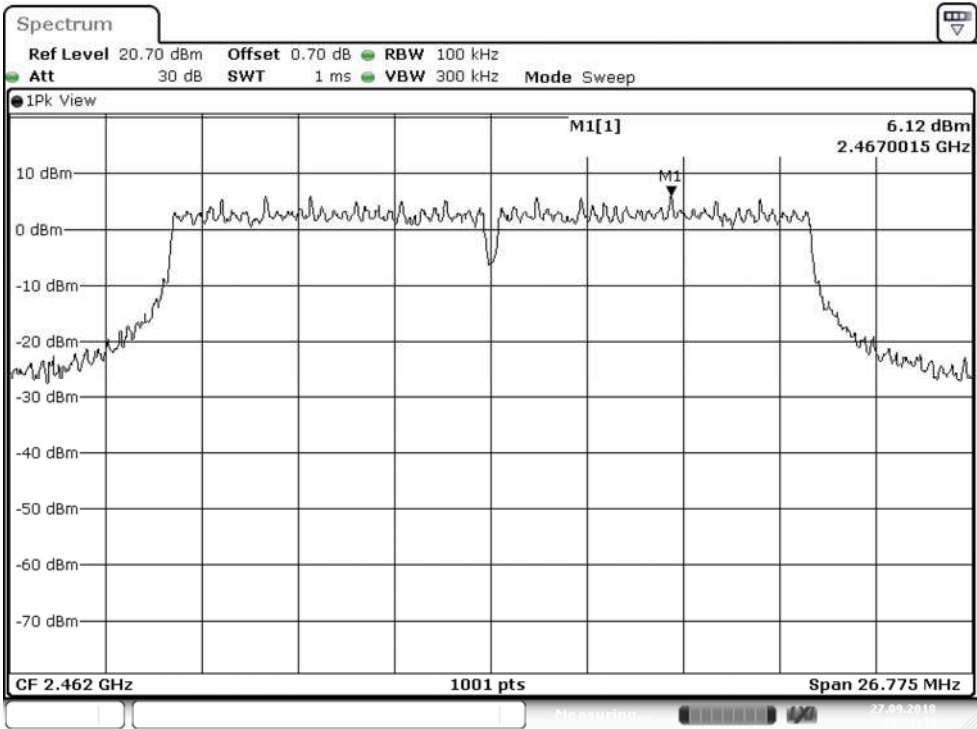


Figure Channel 12:

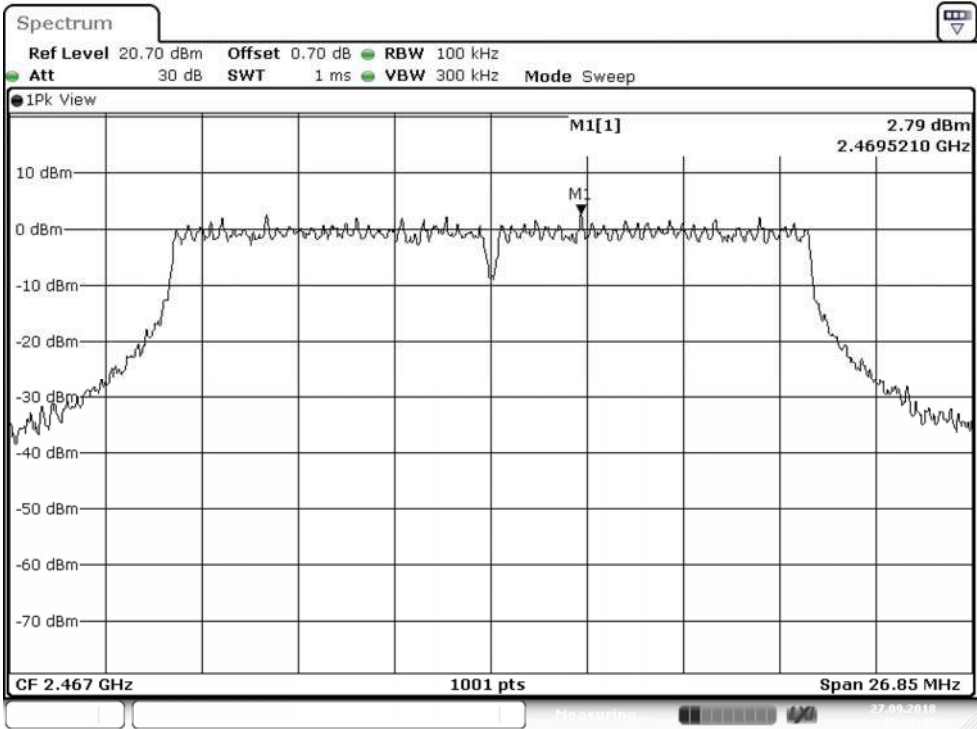
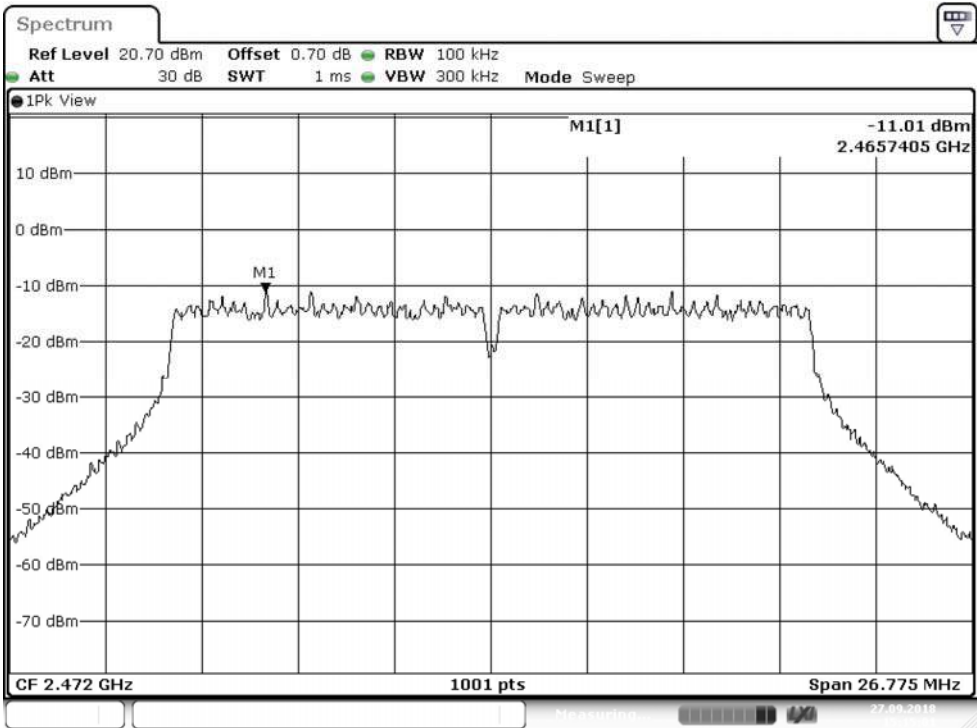


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 2: SISO B: 發射器 802.11n (40MHz)

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
03	2422	1.680	$\leq 8\text{dBm}$	Pass
07	2442	2.650	$\leq 8\text{dBm}$	Pass
09	2452	1.110	$\leq 8\text{dBm}$	Pass
10	2457	-2.510	$\leq 8\text{dBm}$	Pass
11	2462	-10.040	$\leq 8\text{dBm}$	Pass

Figure Channel 03:

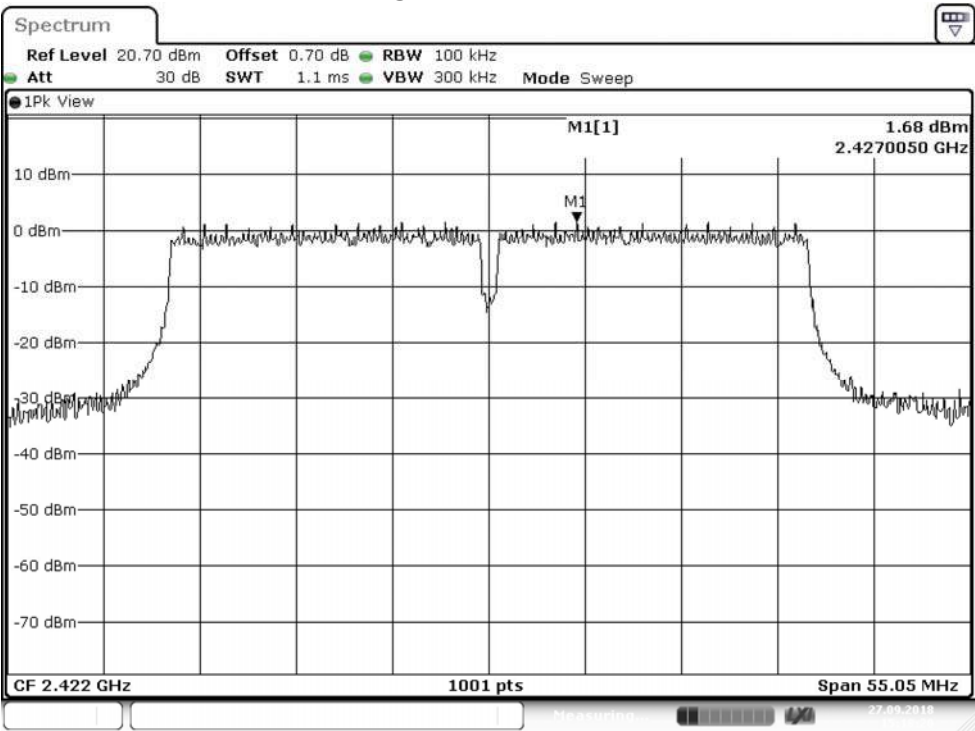


Figure Channel 07:

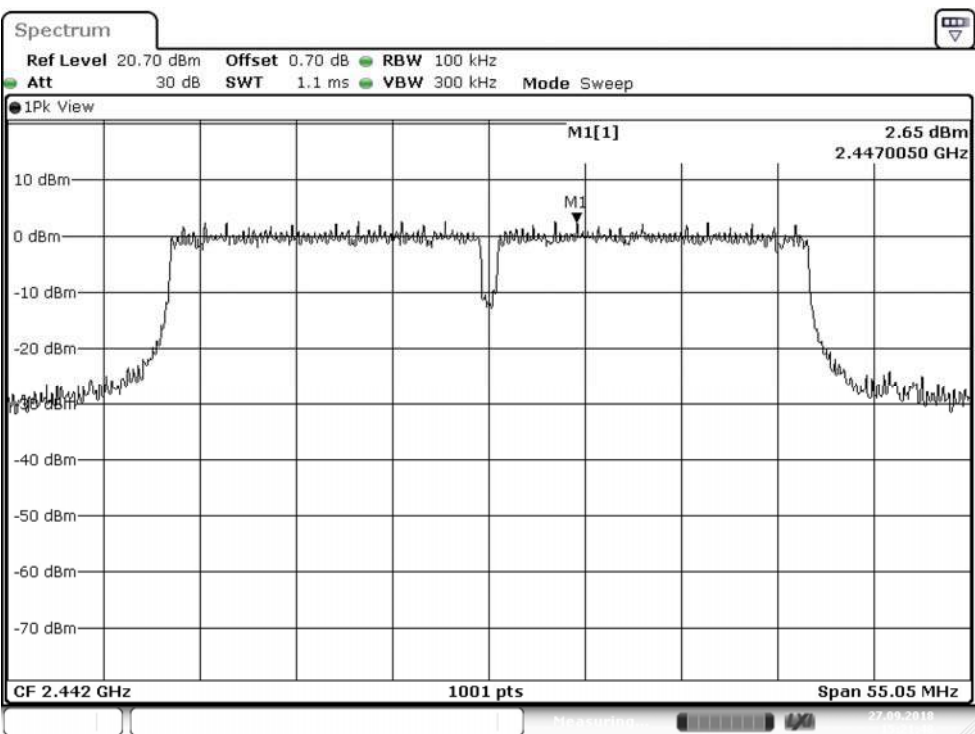


Figure Channel 09:

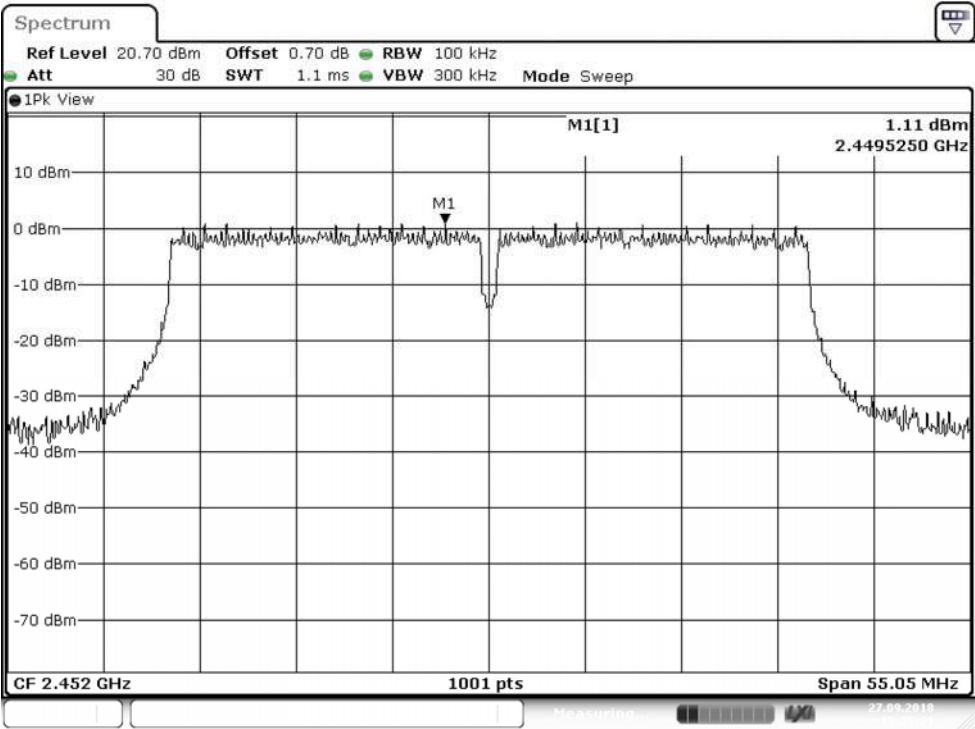


Figure Channel 10:

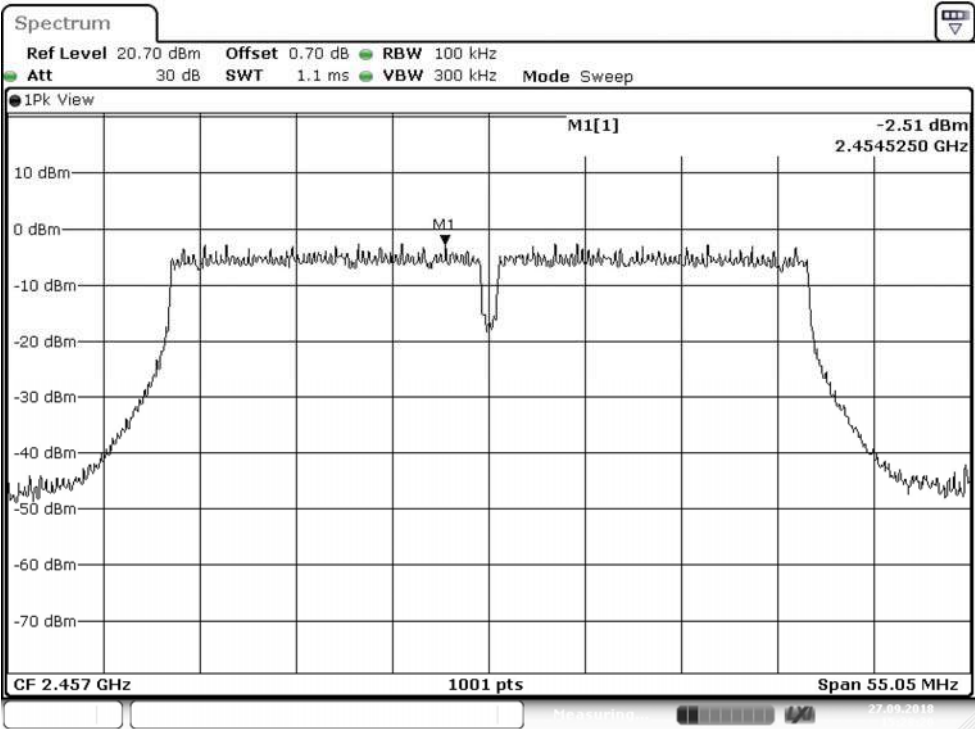
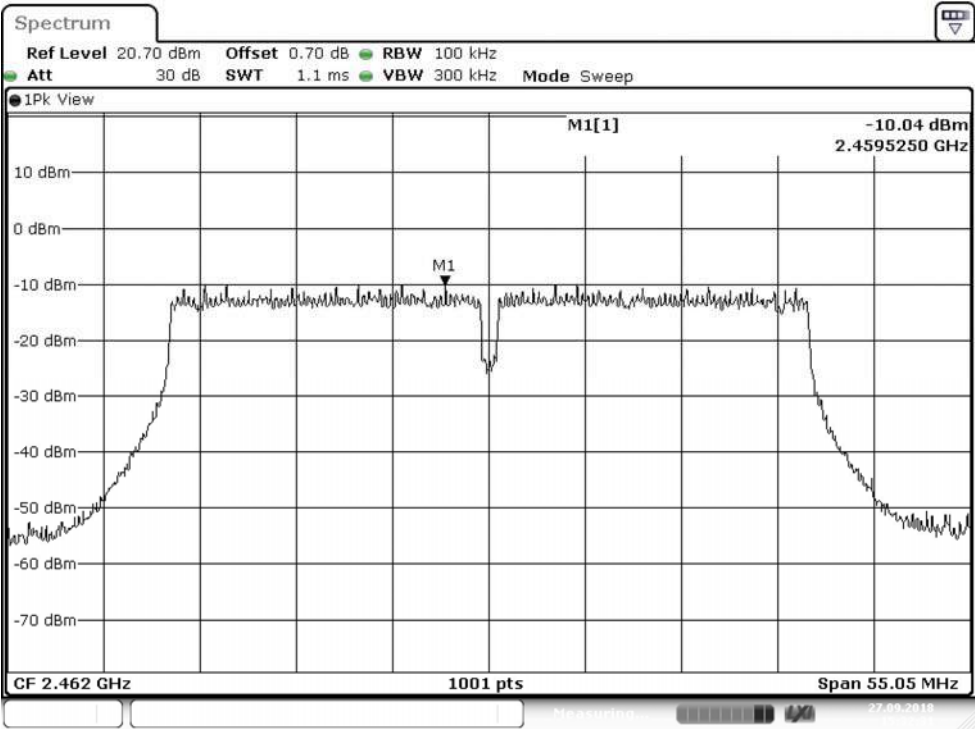


Figure Channel 11:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試項目：功率密度

測試頻道：--

測試模式：Mode 3: MIMO: 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：107 年 09 月 27 日

環境濕度：50 %

Channel No.	Frequency (MHz)	Chain	PPSD/MHz (dBm)	10*log(2) (dB)	Measure Level (dBm)	Limit (dBm)	Result
01	2412.000	A	1.810	3.010	4.820	≤ 8dBm	Pass
		B	1.630	3.010	4.640	≤ 8dBm	Pass
07	2442.000	A	3.080	3.010	6.090	≤ 8dBm	Pass
		B	2.970	3.010	5.980	≤ 8dBm	Pass
11	2462.000	A	2.990	3.010	6.000	≤ 8dBm	Pass
		B	2.820	3.010	5.830	≤ 8dBm	Pass
12	2467.00	A	-0.040	3.010	2.970	≤ 8dBm	Pass
		B	-0.040	3.010	2.970	≤ 8dBm	Pass
13	2472.00	A	-13.580	3.010	-10.570	≤ 8dBm	Pass
		B	-13.210	3.010	-10.200	≤ 8dBm	Pass

Note:

The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 01: (Chain A)

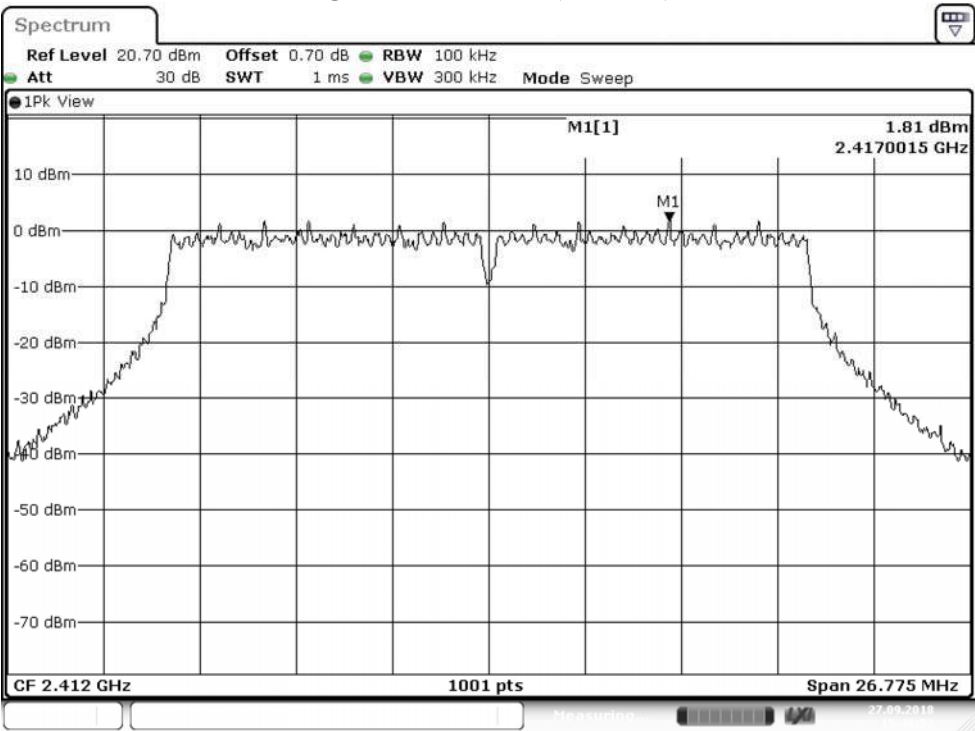
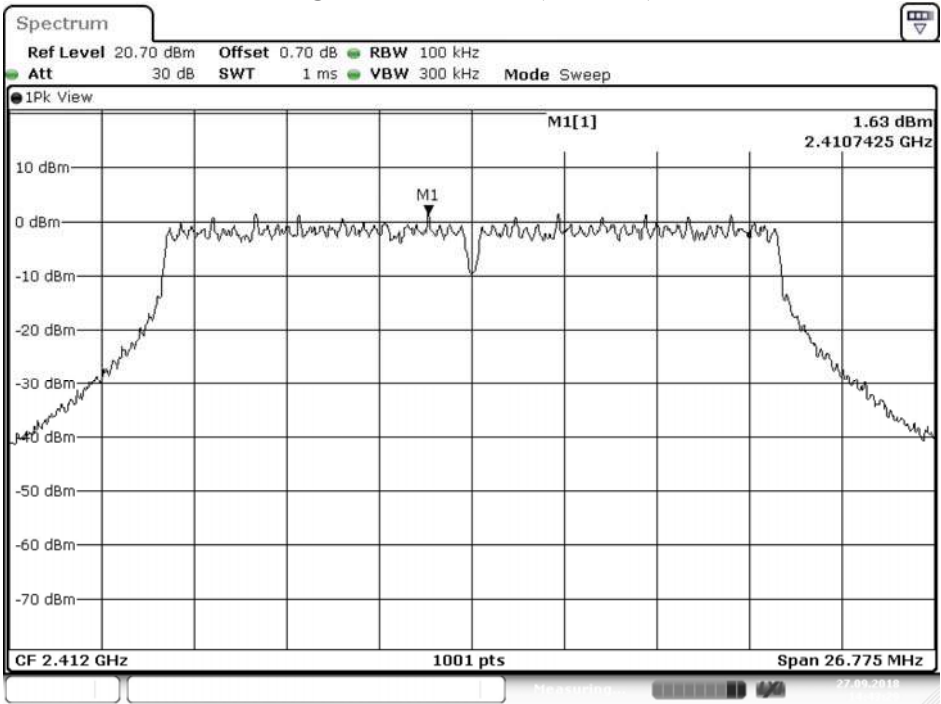


Figure Channel 01: (Chain B)



Date: 27.SEP.2018 14:43:30

Figure Channel 07: (Chain A)

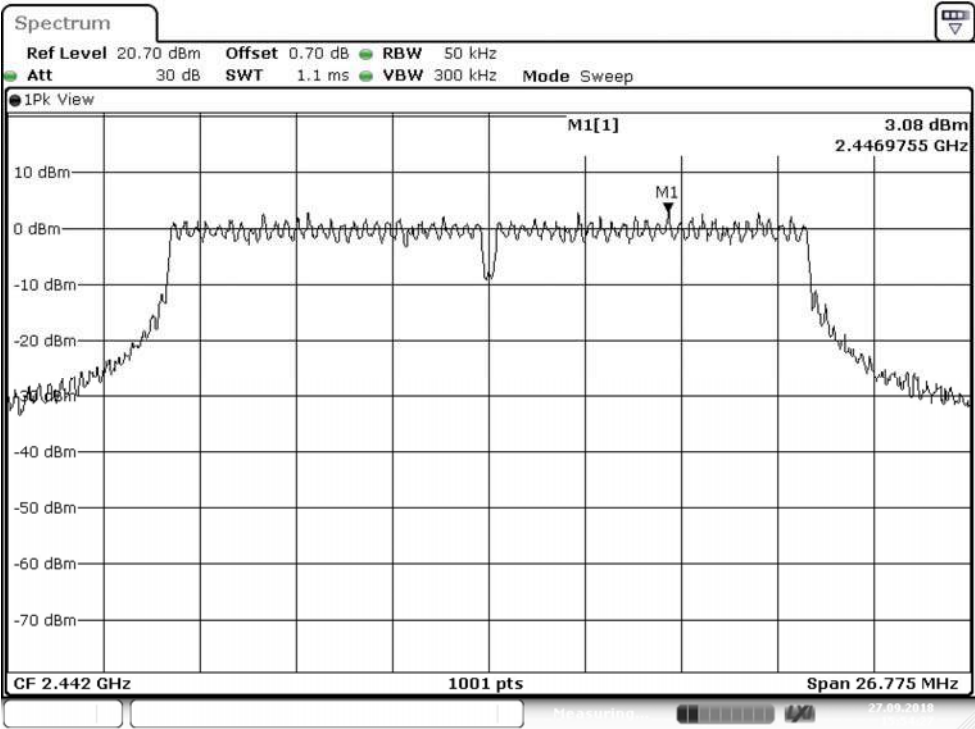
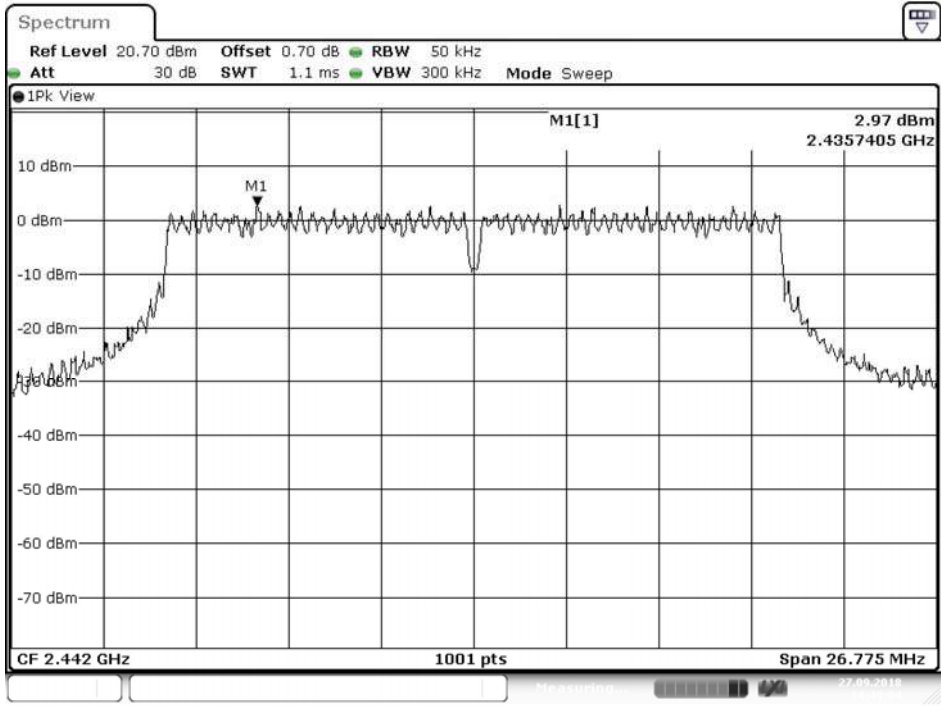


Figure Channel 07: (Chain B)



Date: 27.SEP.2018 14:49:04

Figure Channel 11: (Chain A)

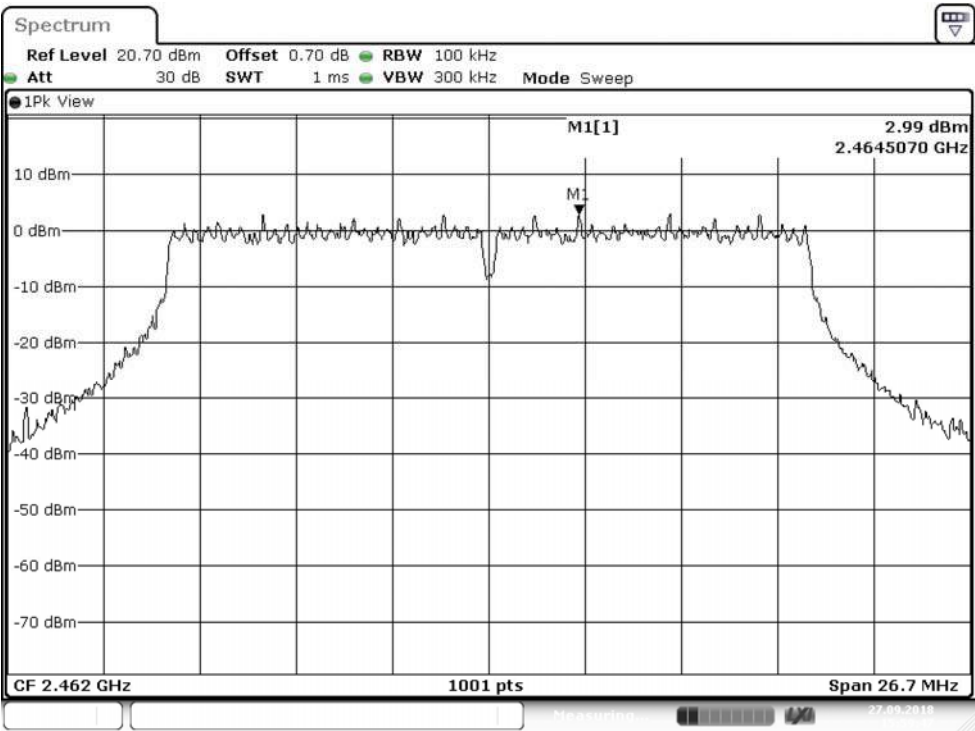
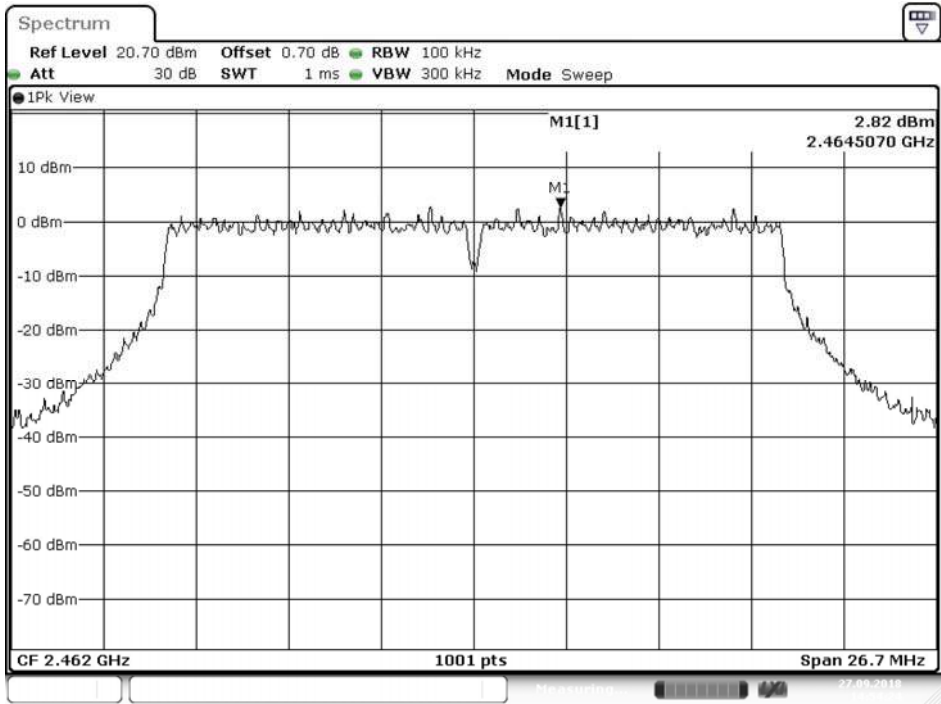


Figure Channel 11: (Chain B)



Date: 27.SEP.2018 14:54:25

Figure Channel 12: (Chain A)

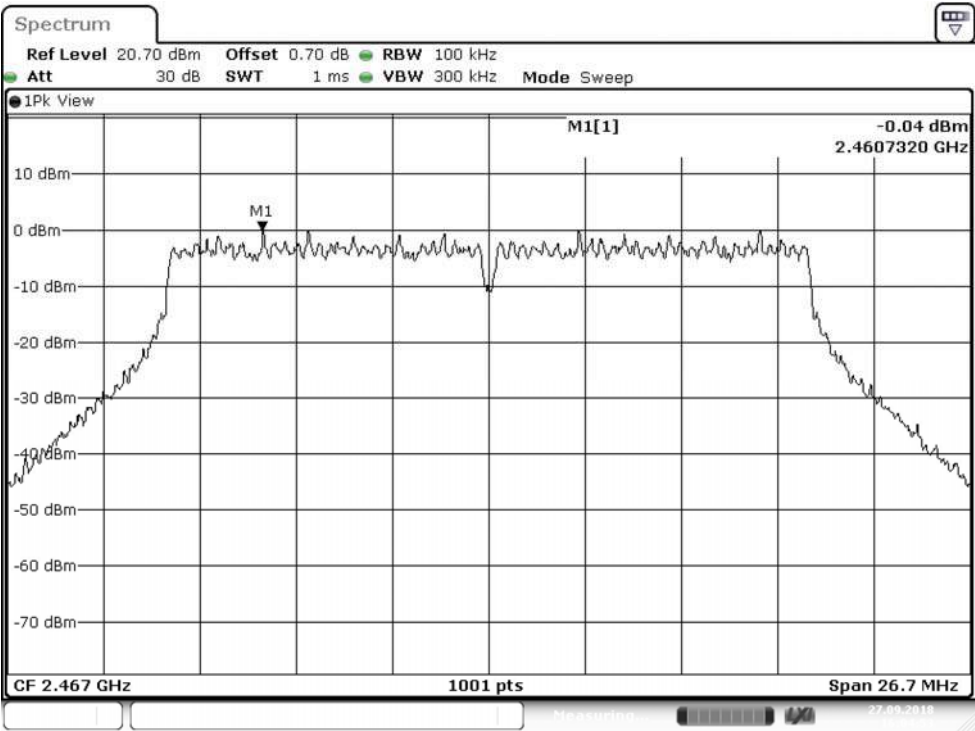
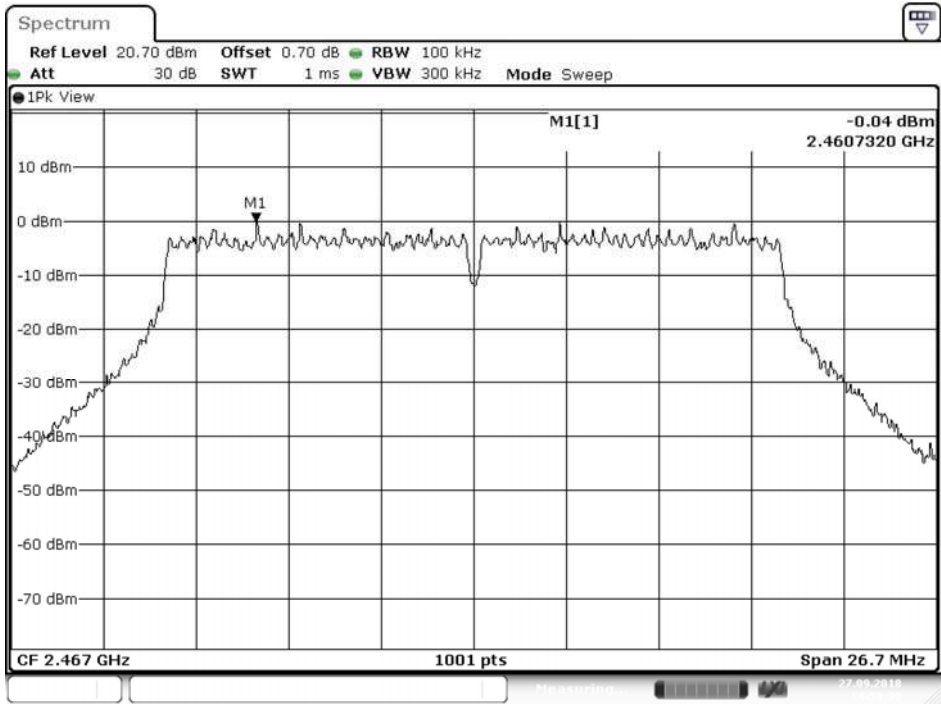


Figure Channel 12: (Chain B)



Date: 27.SEP.2018 14:59:31

Figure Channel 13: (Chain A)

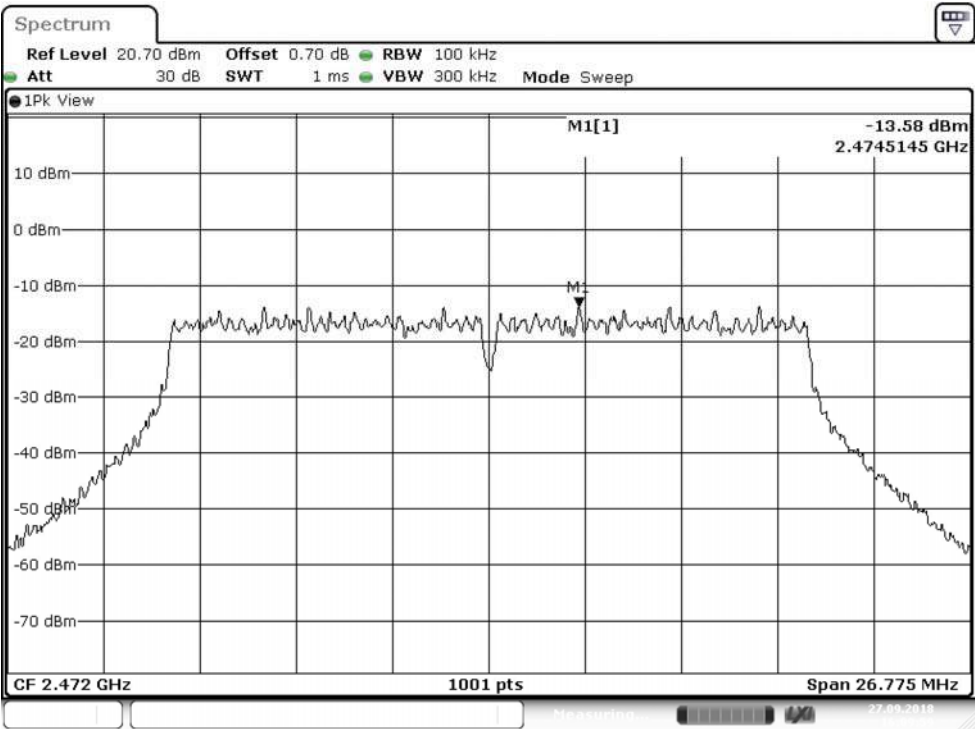
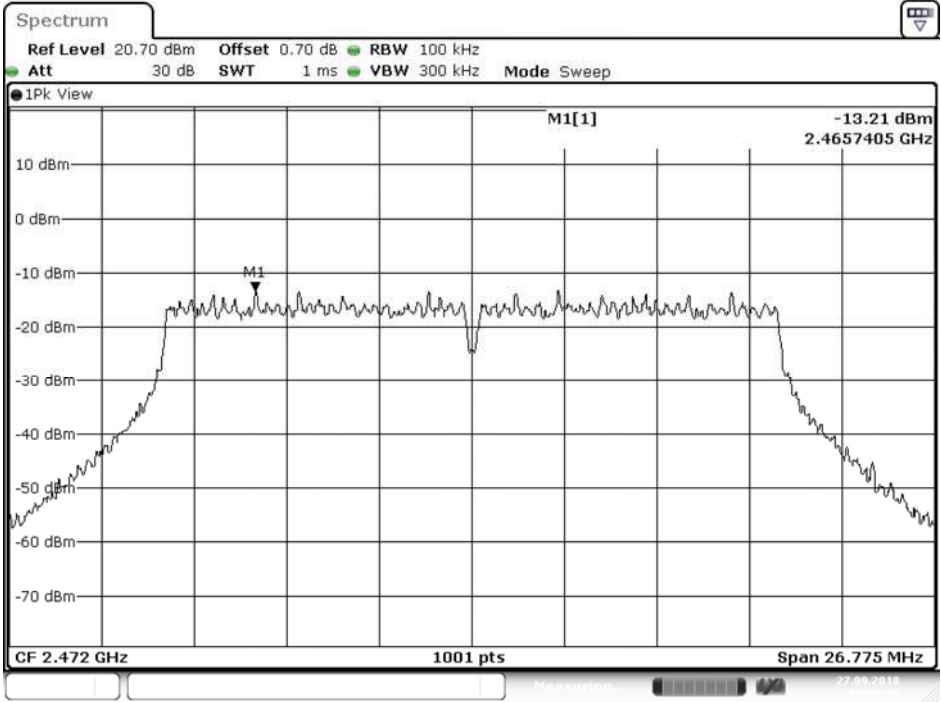


Figure Channel 13: (Chain B)



Date: 27.SEP.2018 15:04:36

待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試項目：功率密度

測試頻道：--

測試模式：Mode 3: MIMO: 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：107 年 09 月 27 日

環境濕度：50 %

Channel No.	Frequency (MHz)	Chain	PPSD/MHz (dBm)	10*log(2) (dB)	Measure Level (dBm)	Limit (dBm)	Result
03	2422.000	A	-1.350	3.010	1.660	$\leq 8\text{dBm}$	Pass
		B	-1.450	3.010	1.560	$\leq 8\text{dBm}$	Pass
07	2442.000	A	-0.230	3.010	2.780	$\leq 8\text{dBm}$	Pass
		B	-0.280	3.010	2.730	$\leq 8\text{dBm}$	Pass
09	2452.000	A	-1.830	3.010	1.180	$\leq 8\text{dBm}$	Pass
		B	-1.830	3.010	1.180	$\leq 8\text{dBm}$	Pass
10	2457.00	A	-5.240	3.010	-2.230	$\leq 8\text{dBm}$	Pass
		B	-5.390	3.010	-2.380	$\leq 8\text{dBm}$	Pass
11	2462.00	A	-12.520	3.010	-9.510	$\leq 8\text{dBm}$	Pass
		B	-12.770	3.010	-9.760	$\leq 8\text{dBm}$	Pass

Note:

The quantity $10 \cdot \log 2$ (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 03: (Chain A)

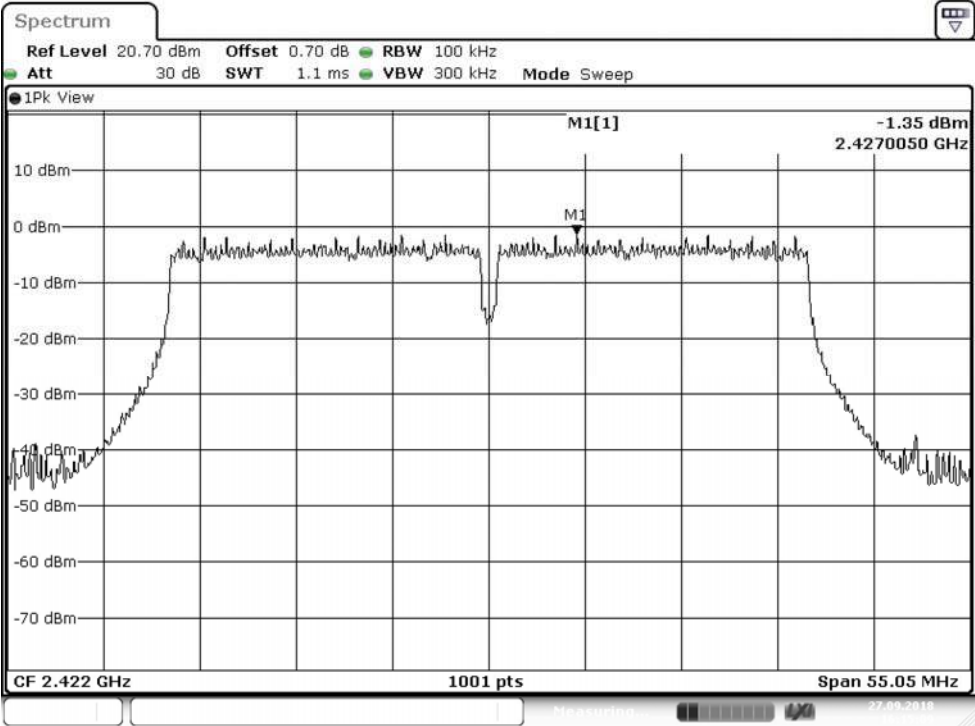
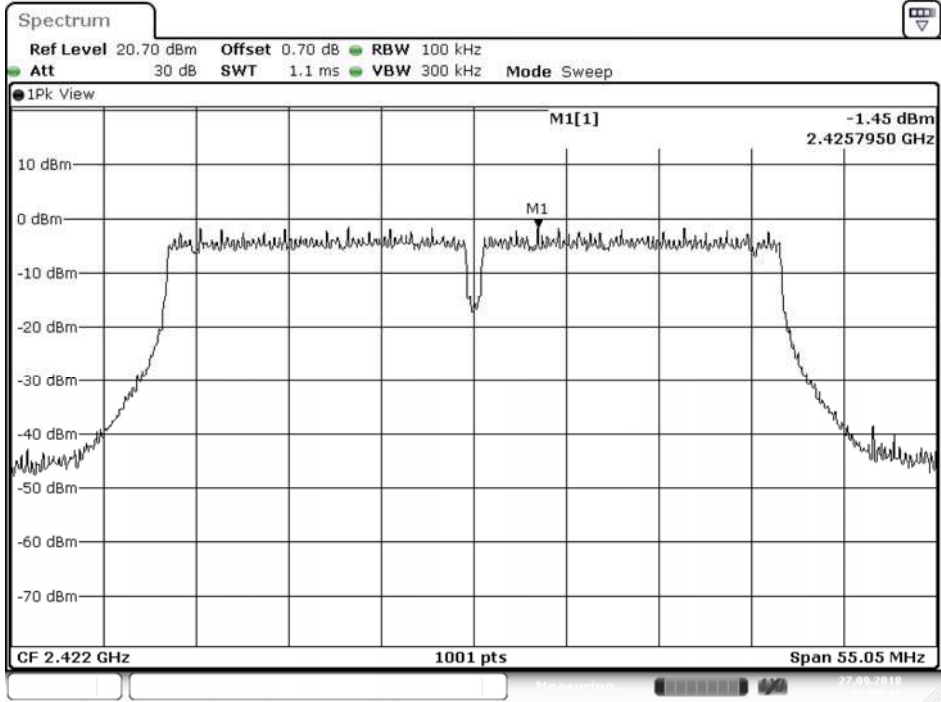


Figure Channel 03: (Chain B)



Date: 27.SEP.2018 15:09:46

Figure Channel 07: (Chain A)

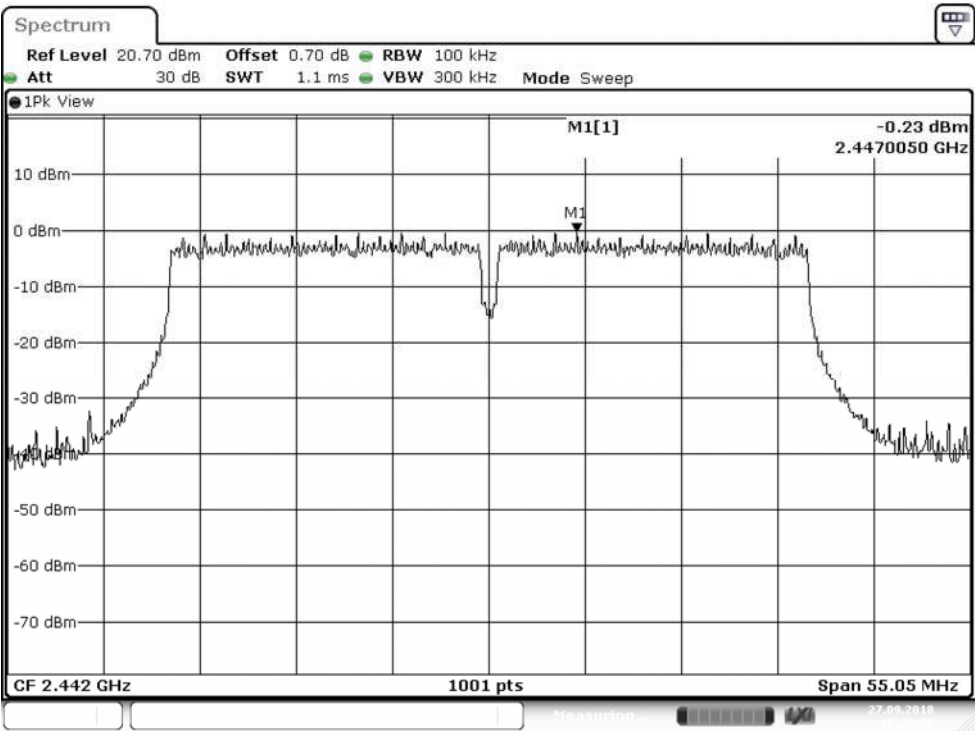
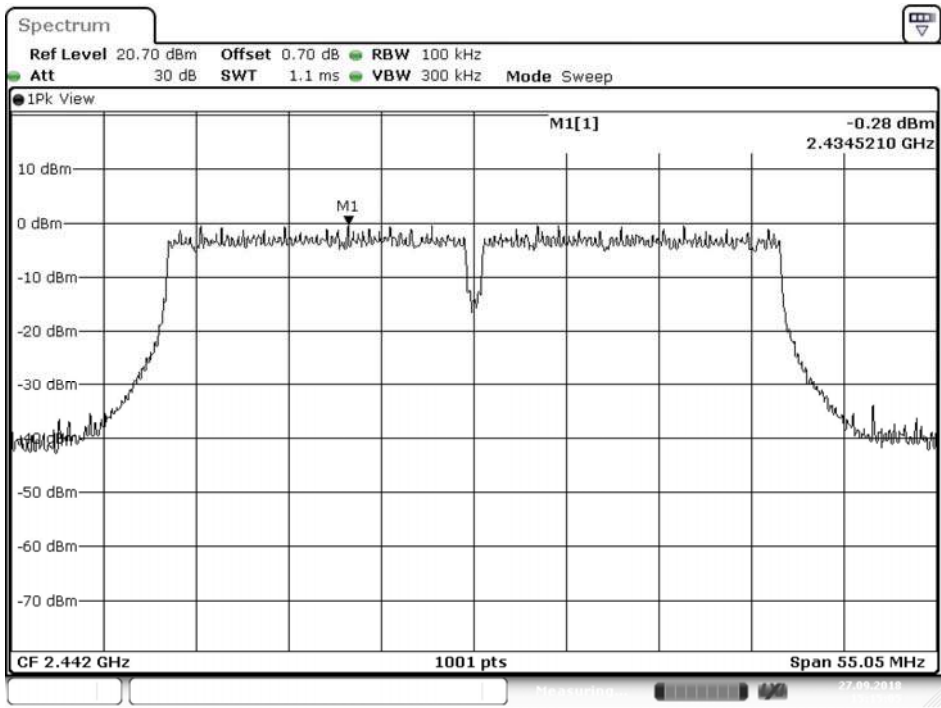


Figure Channel 07: (Chain B)



Date: 27.SEP.2018 15:15:06

Figure Channel 09: (Chain A)

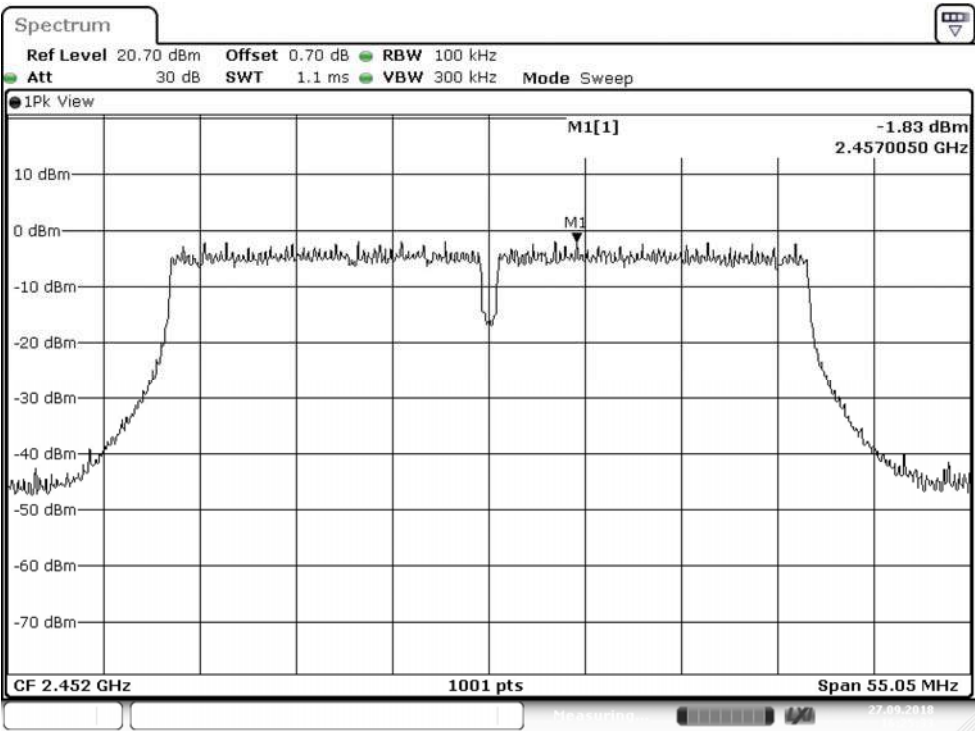
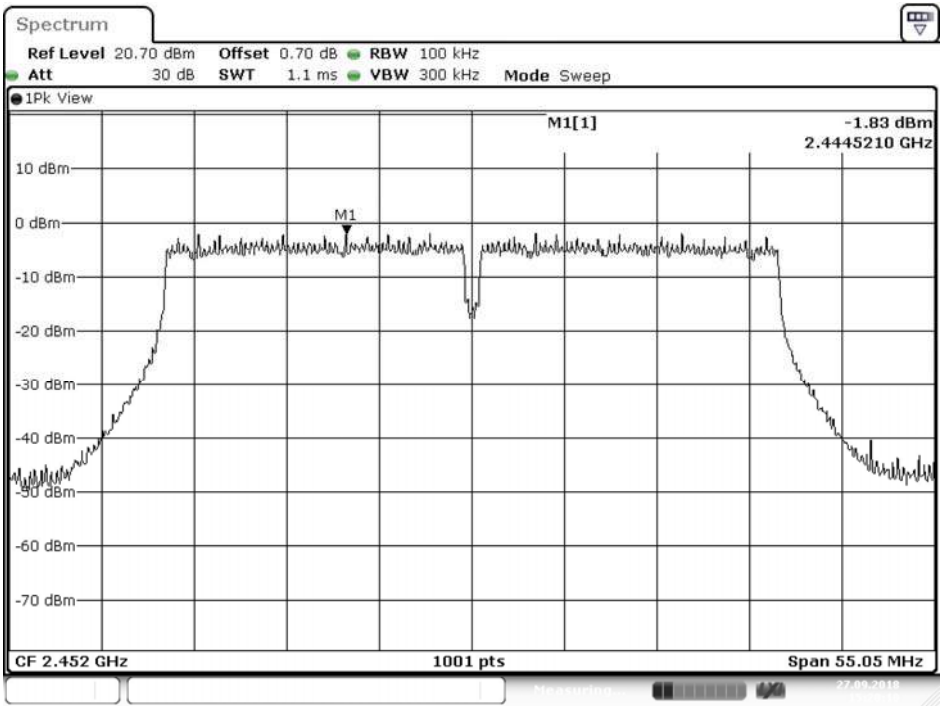


Figure Channel 09: (Chain B)



Date: 27.SEP.2018 15:20:10

Figure Channel 10: (Chain A)

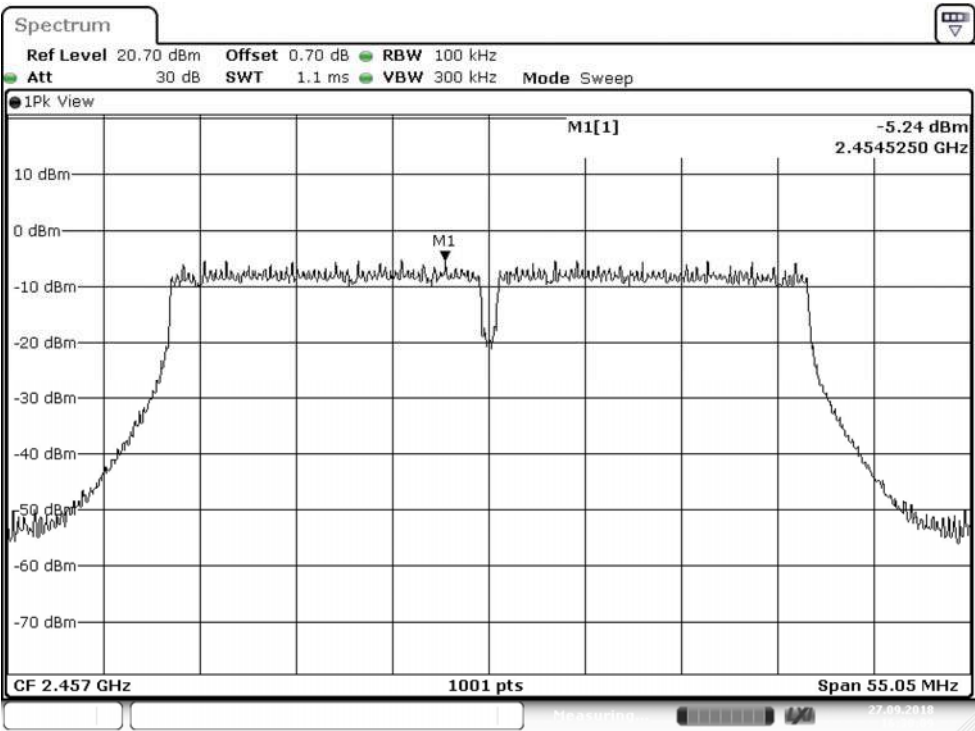
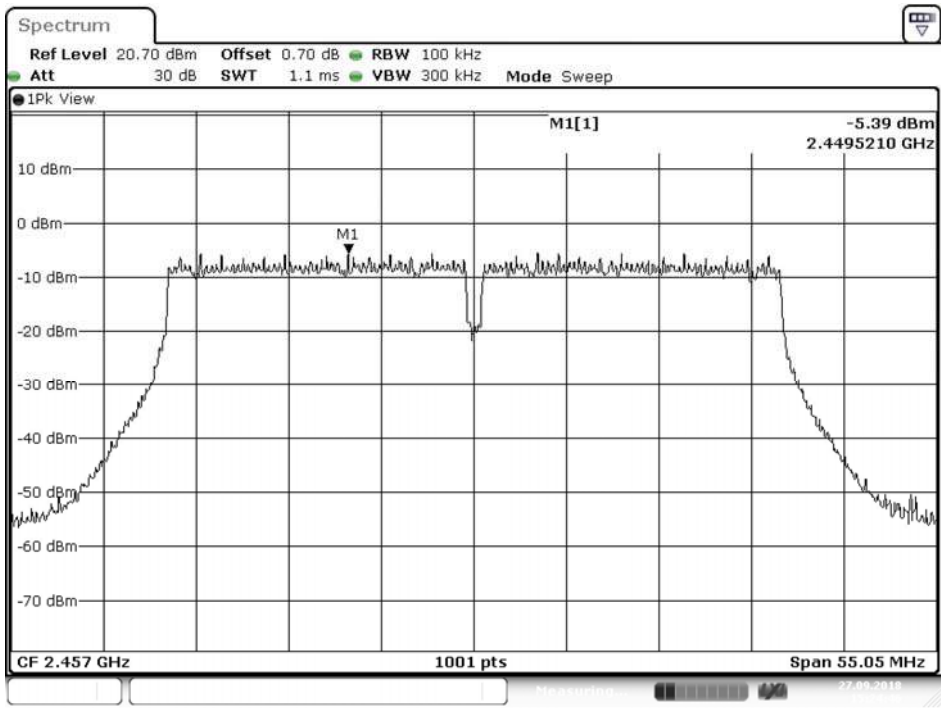


Figure Channel 10: (Chain B)



Date: 27.SEP.2018 15:24:47

Figure Channel 11: (Chain A)

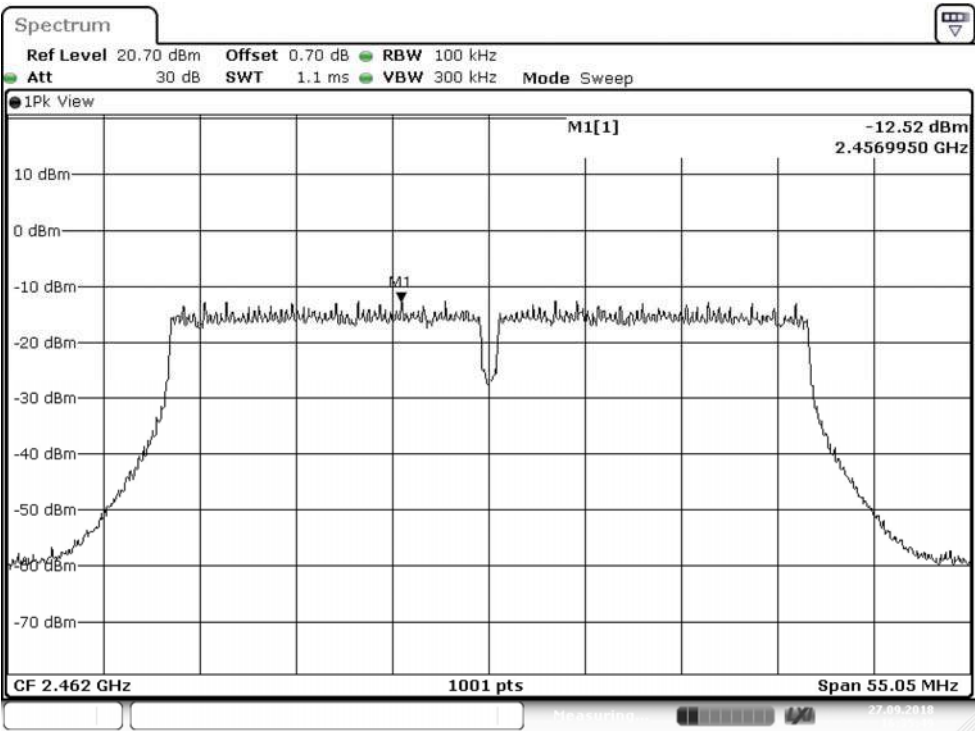
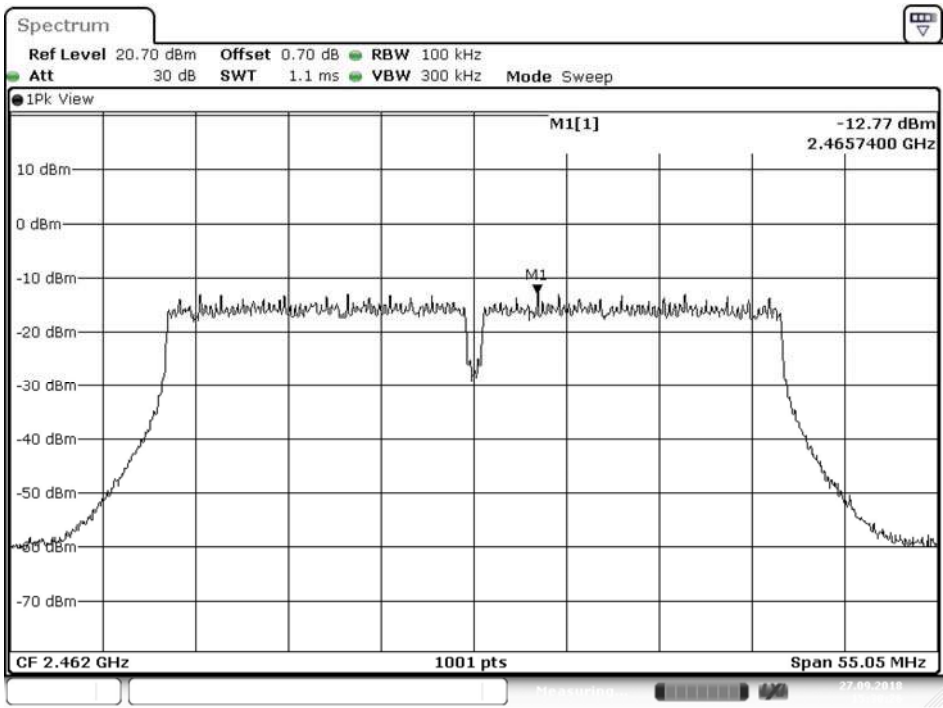


Figure Channel 11: (Chain B)



Date: 27.SEP.2018 15:30:27

待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 1: SISO A: 發射器 802.11ax (20MHz)

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	4.700	$\leq 8\text{dBm}$	Pass
07	2442	6.140	$\leq 8\text{dBm}$	Pass
11	2462	5.650	$\leq 8\text{dBm}$	Pass
12	2467	2.590	$\leq 8\text{dBm}$	Pass
13	2472	-11.200	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

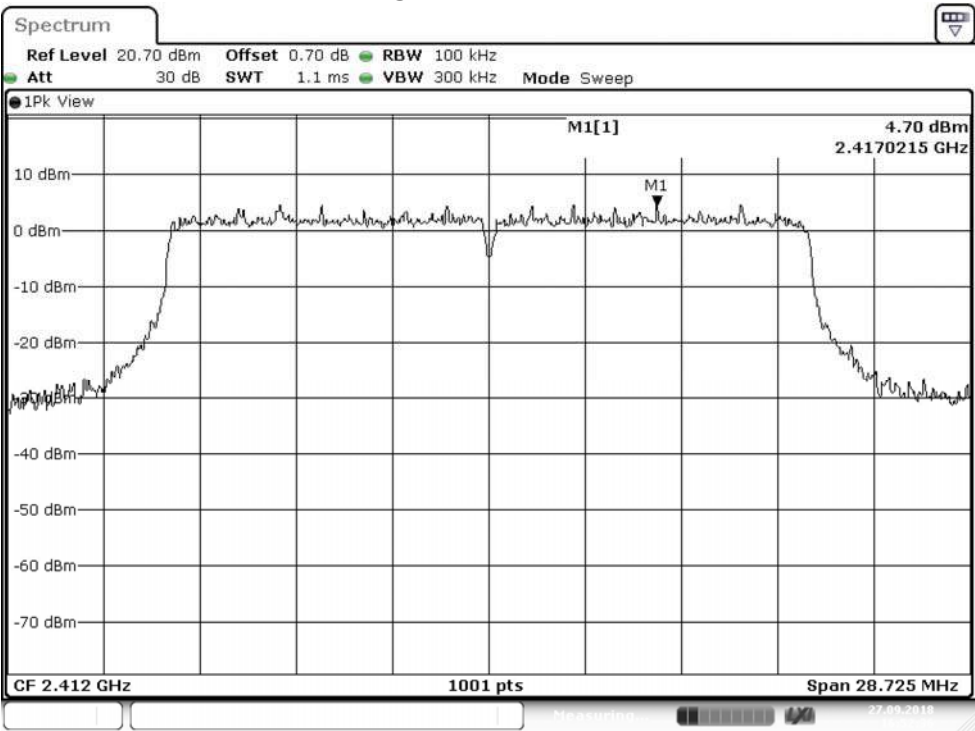


Figure Channel 07:

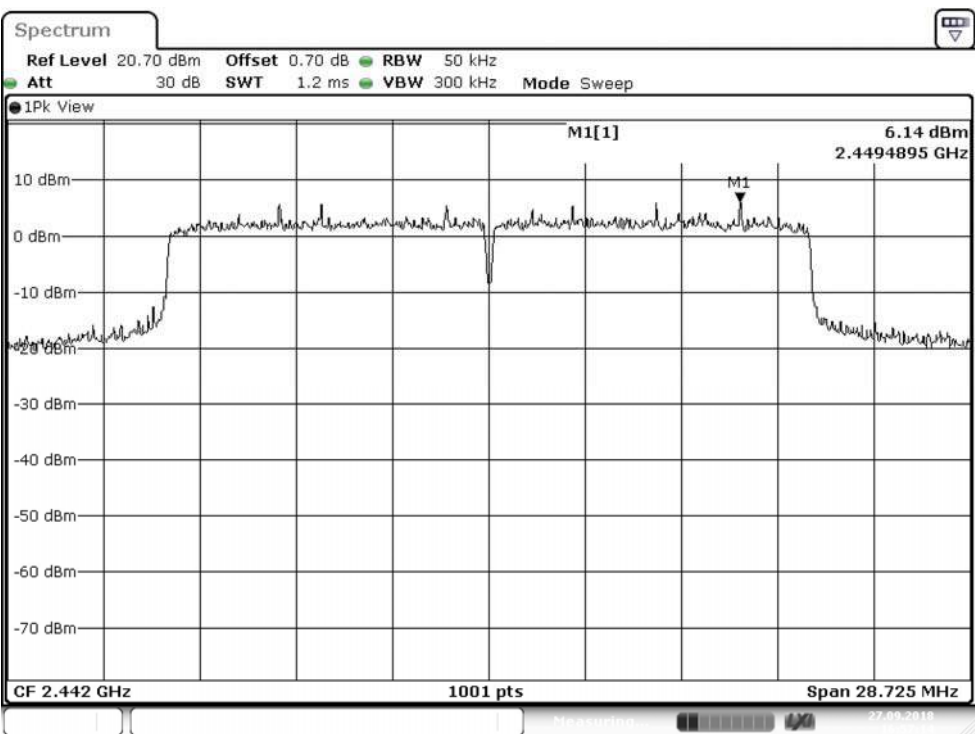


Figure Channel 11:

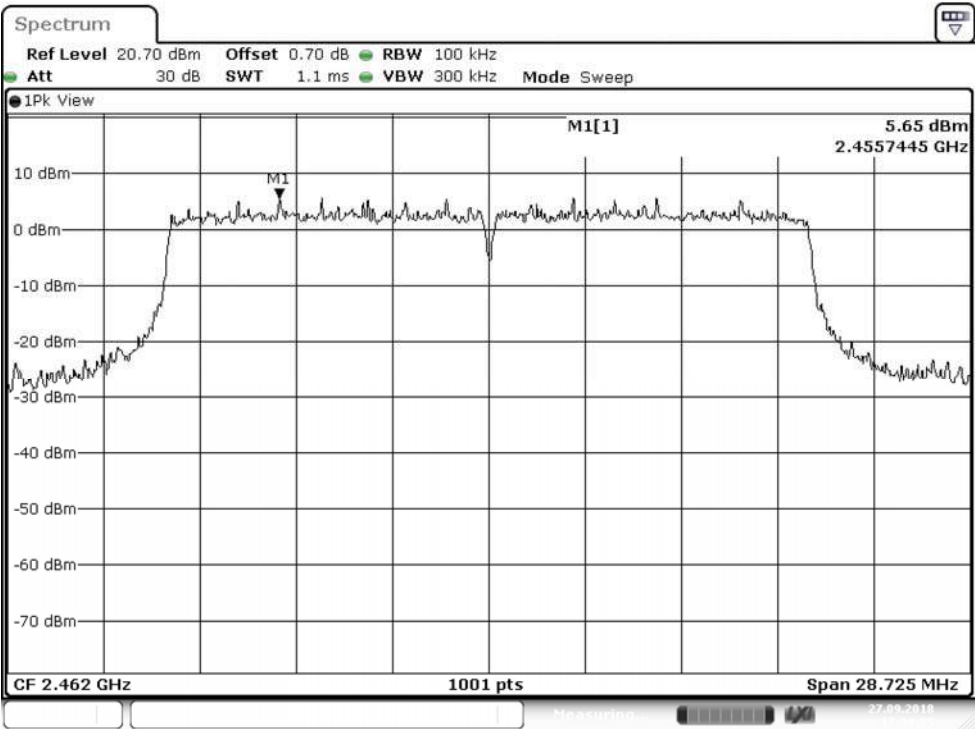


Figure Channel 12:

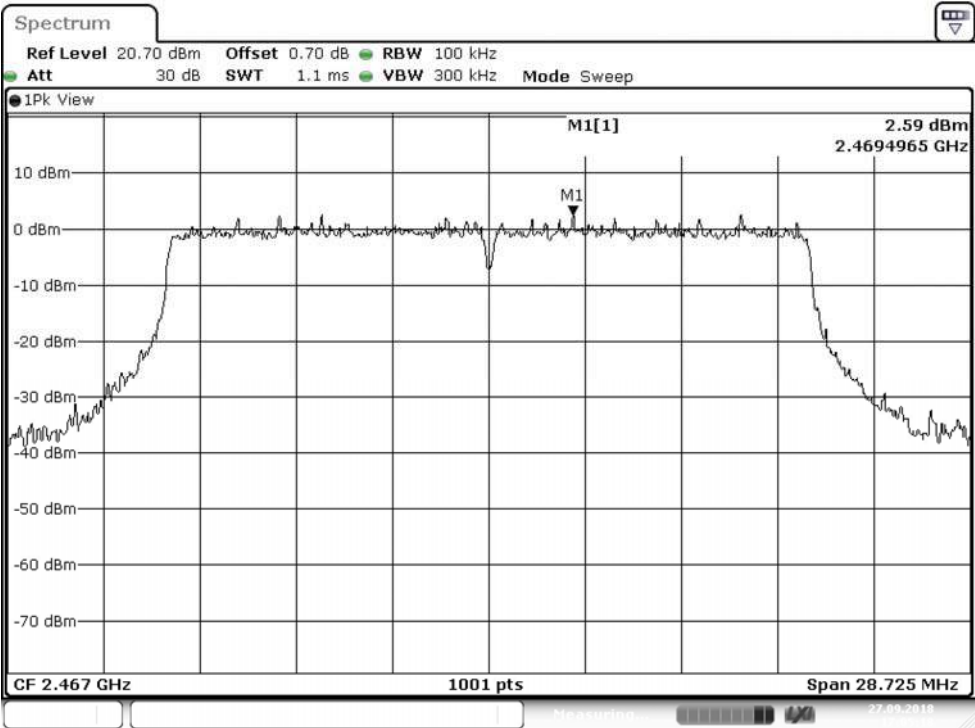
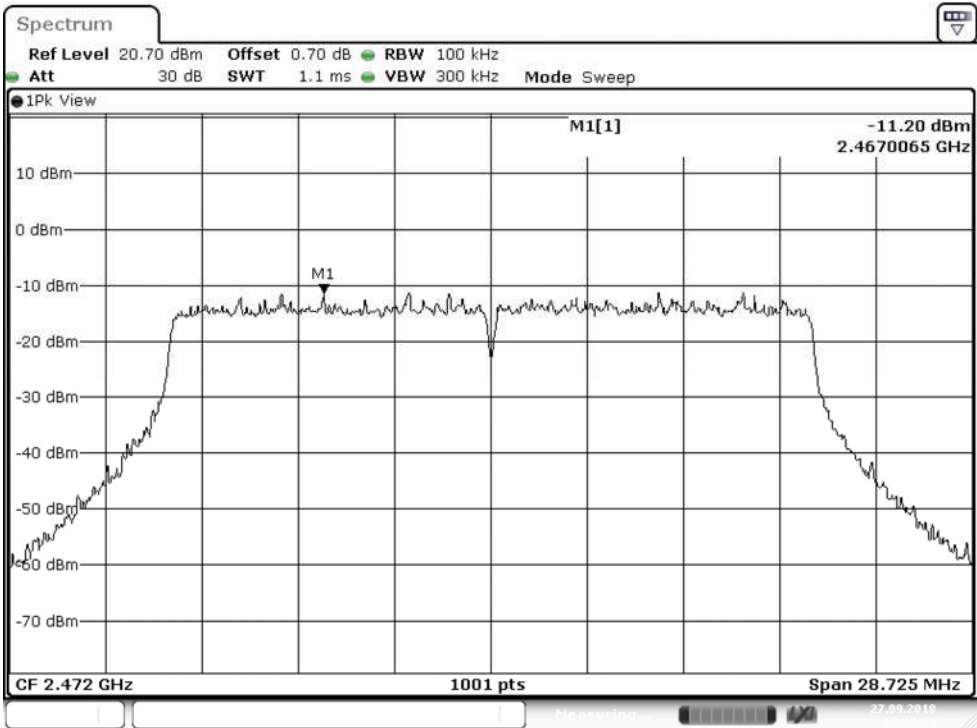


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 1: SISO A: 發射器 802.11ax (40MHz)

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
03	2422	1.470	$\leq 8\text{dBm}$	Pass
07	2442	2.450	$\leq 8\text{dBm}$	Pass
09	2452	1.950	$\leq 8\text{dBm}$	Pass
10	2457	-2.650	$\leq 8\text{dBm}$	Pass
11	2462	-10.140	$\leq 8\text{dBm}$	Pass

Figure Channel 03:

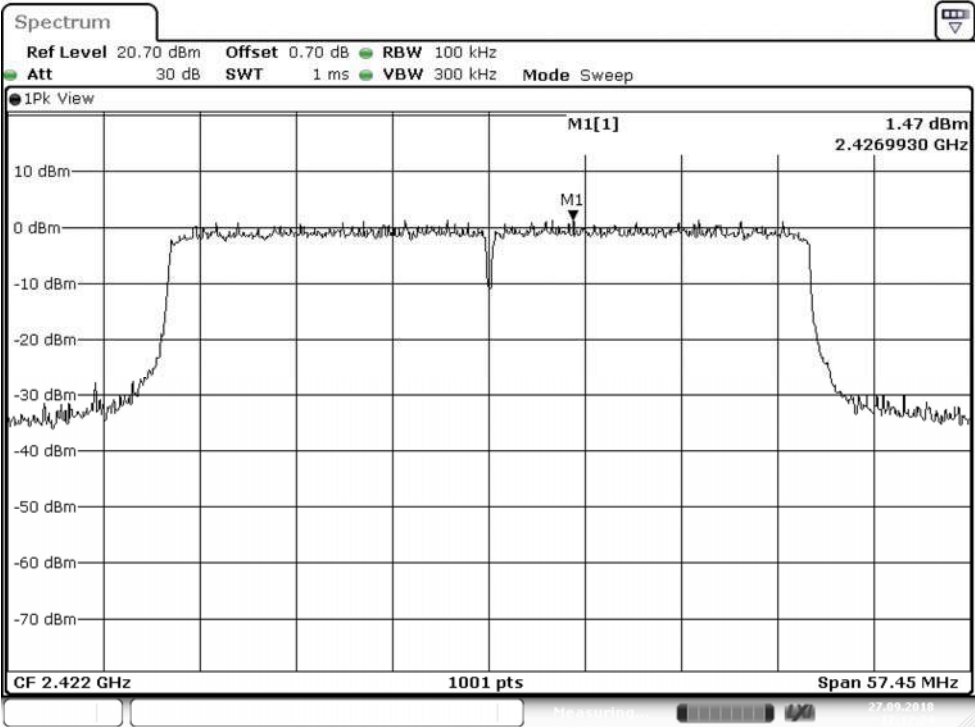


Figure Channel 07:

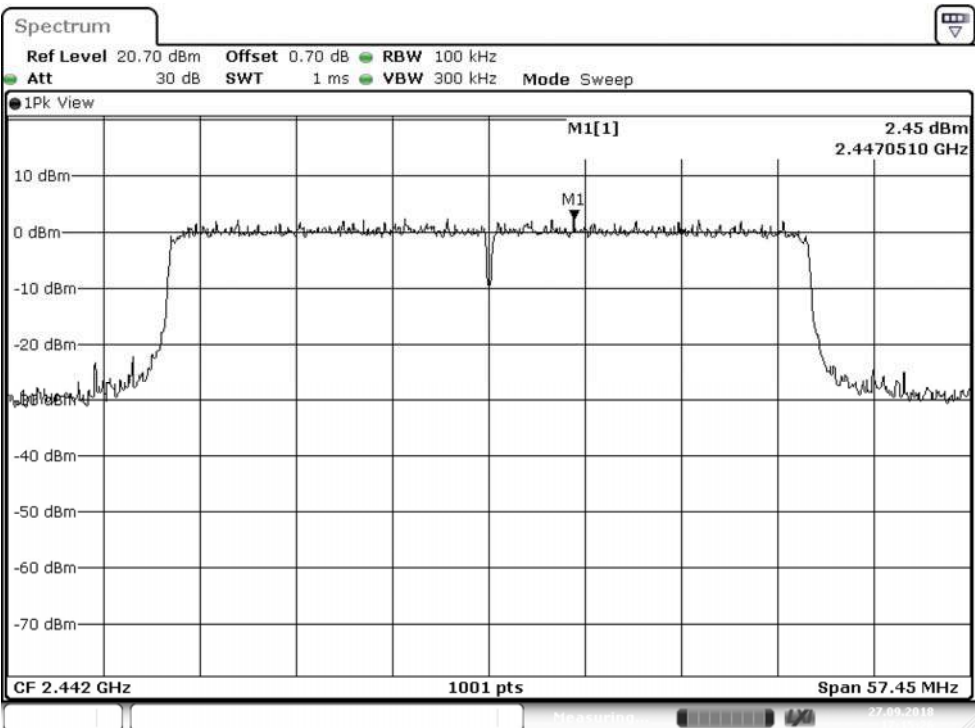


Figure Channel 09:

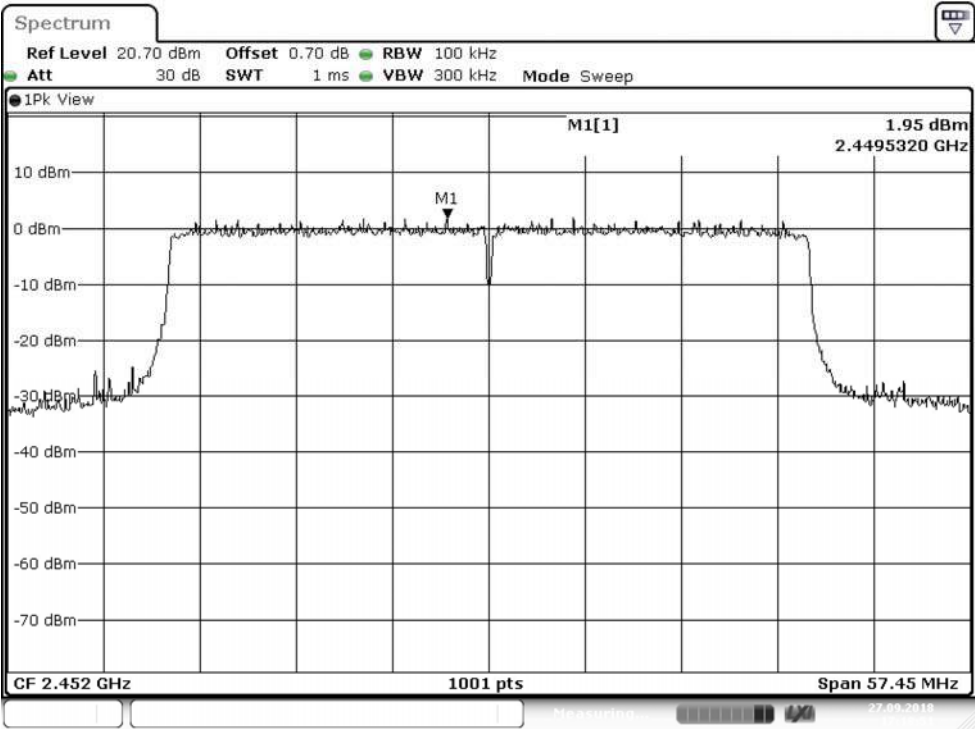


Figure Channel 10:

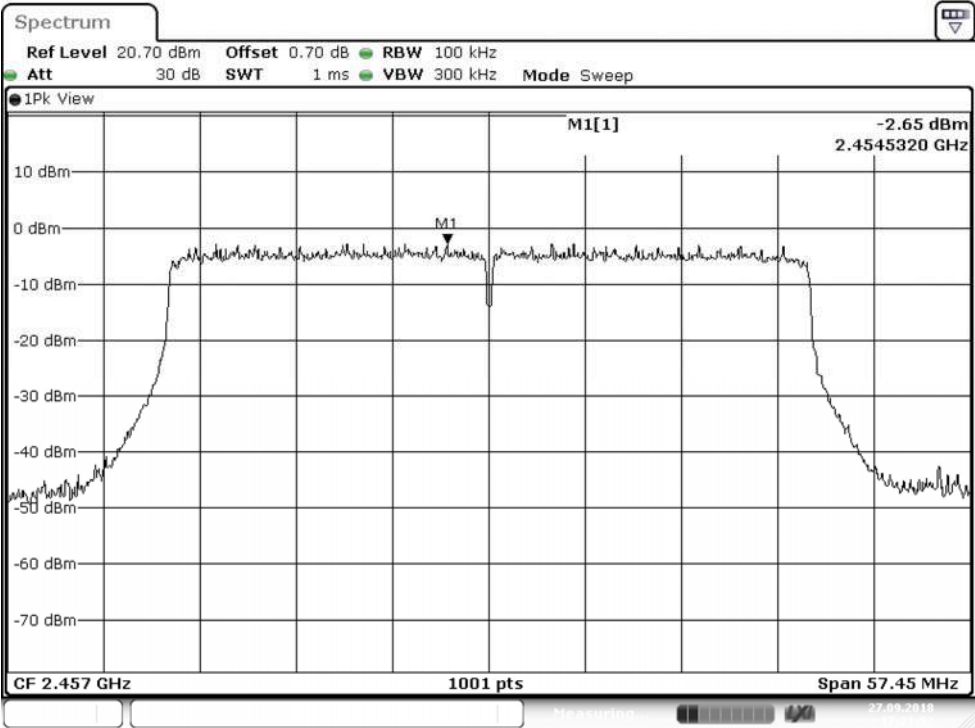
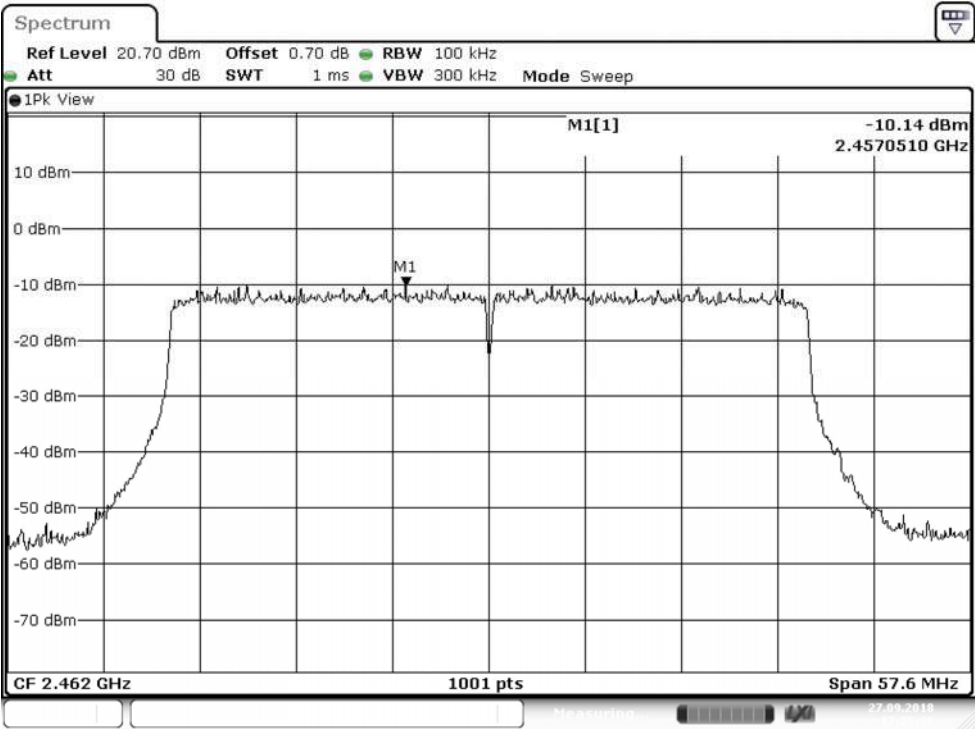


Figure Channel 11:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 2: SISO B: 發射器 802.11ax (20MHz)

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	4.660	$\leq 8\text{dBm}$	Pass
07	2442	6.430	$\leq 8\text{dBm}$	Pass
11	2462	5.740	$\leq 8\text{dBm}$	Pass
12	2467	2.360	$\leq 8\text{dBm}$	Pass
13	2472	-11.290	$\leq 8\text{dBm}$	Pass

Figure Channel 01:

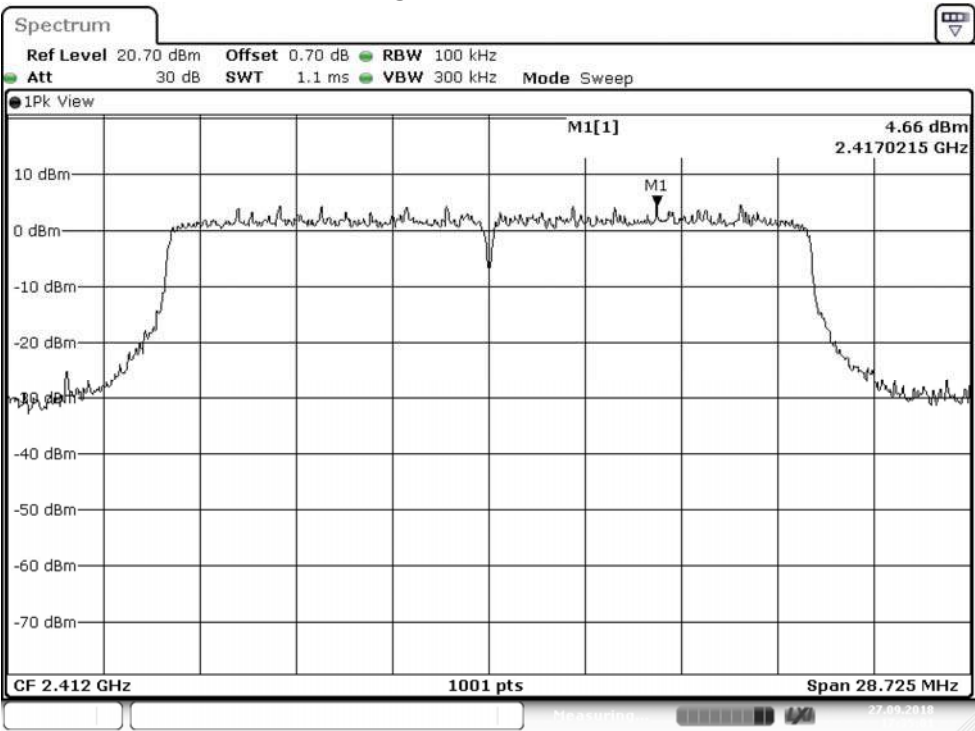


Figure Channel 07:

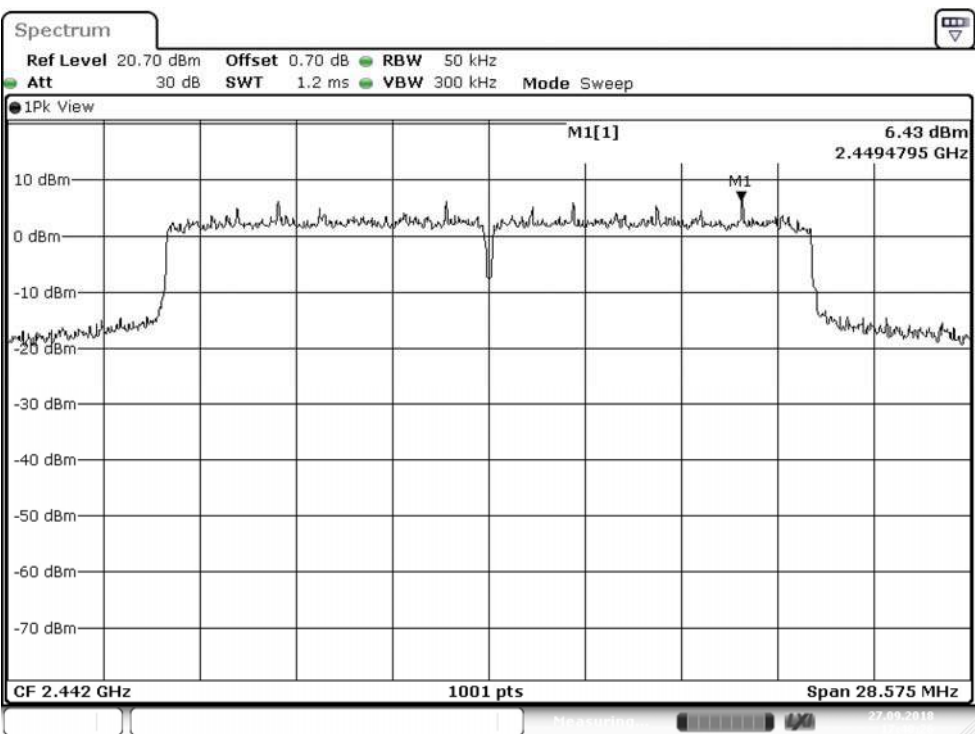


Figure Channel 11:

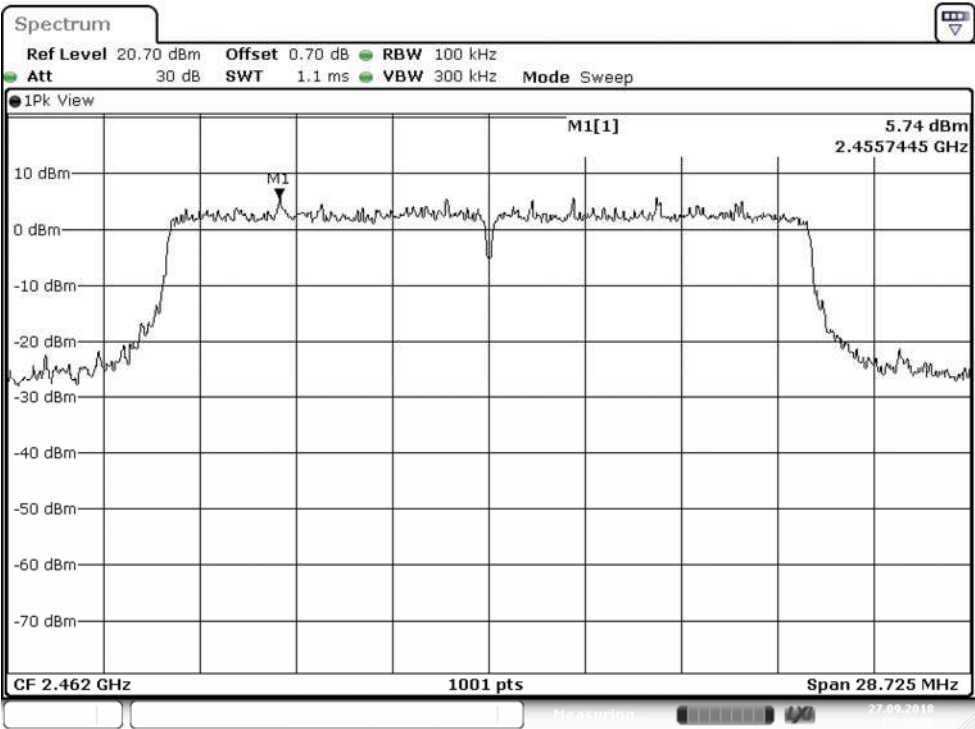


Figure Channel 12:

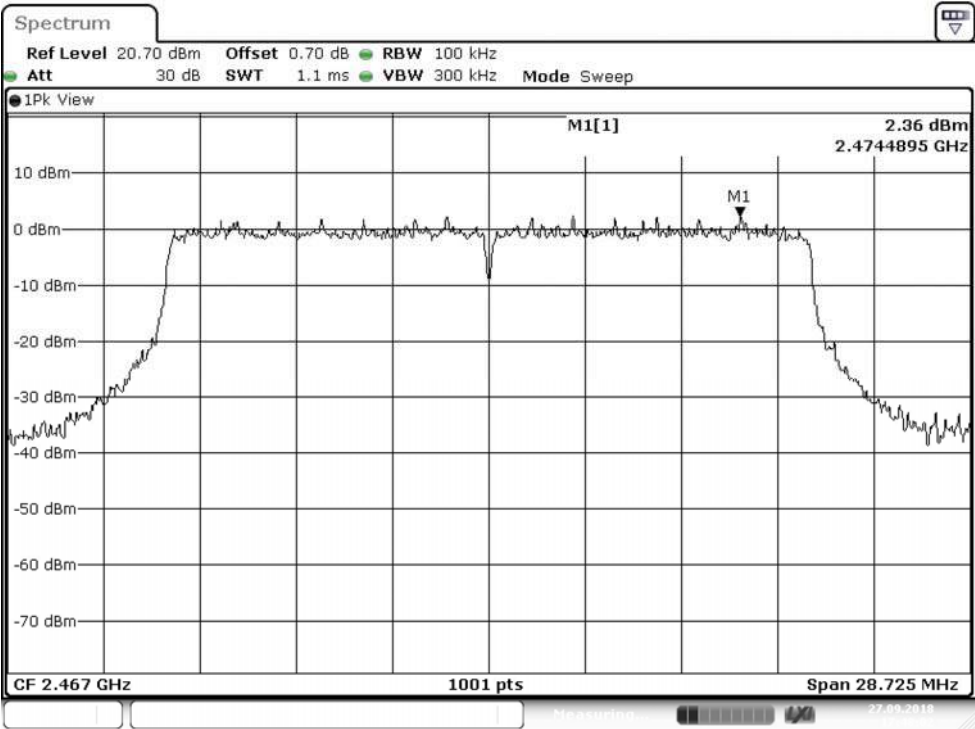
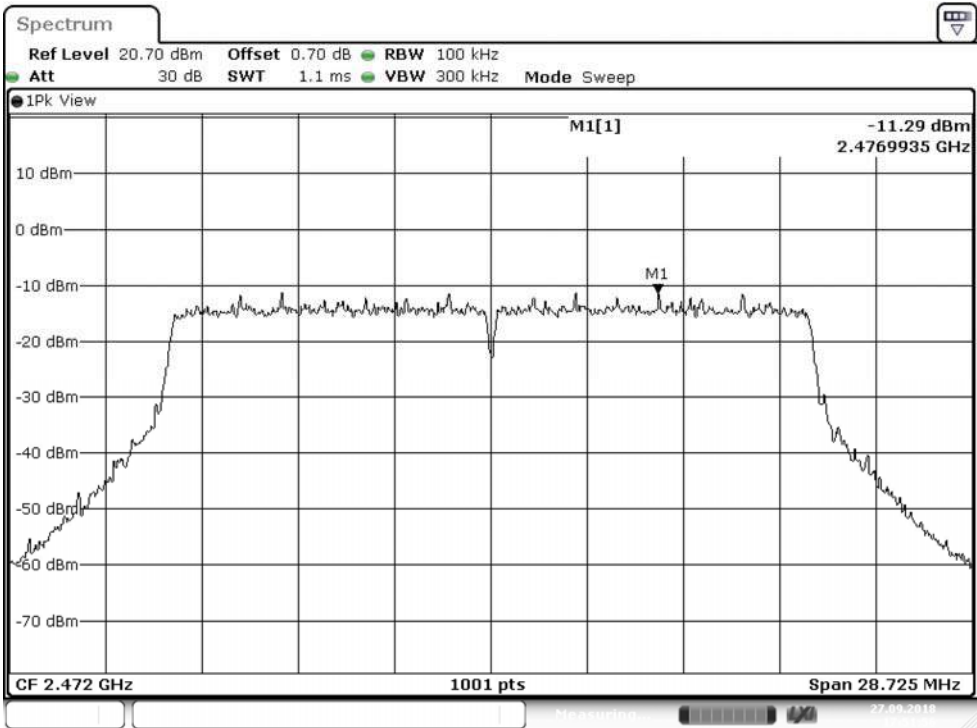


Figure Channel 13:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年09月27日

測試項目：功率密度

測試模式：Mode 2: SISO B: 發射器 802.11ax (40MHz)

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
03	2422	1.440	$\leq 8\text{dBm}$	Pass
07	2442	2.370	$\leq 8\text{dBm}$	Pass
09	2452	0.810	$\leq 8\text{dBm}$	Pass
10	2457	-2.830	$\leq 8\text{dBm}$	Pass
11	2462	-10.190	$\leq 8\text{dBm}$	Pass

Figure Channel 03:

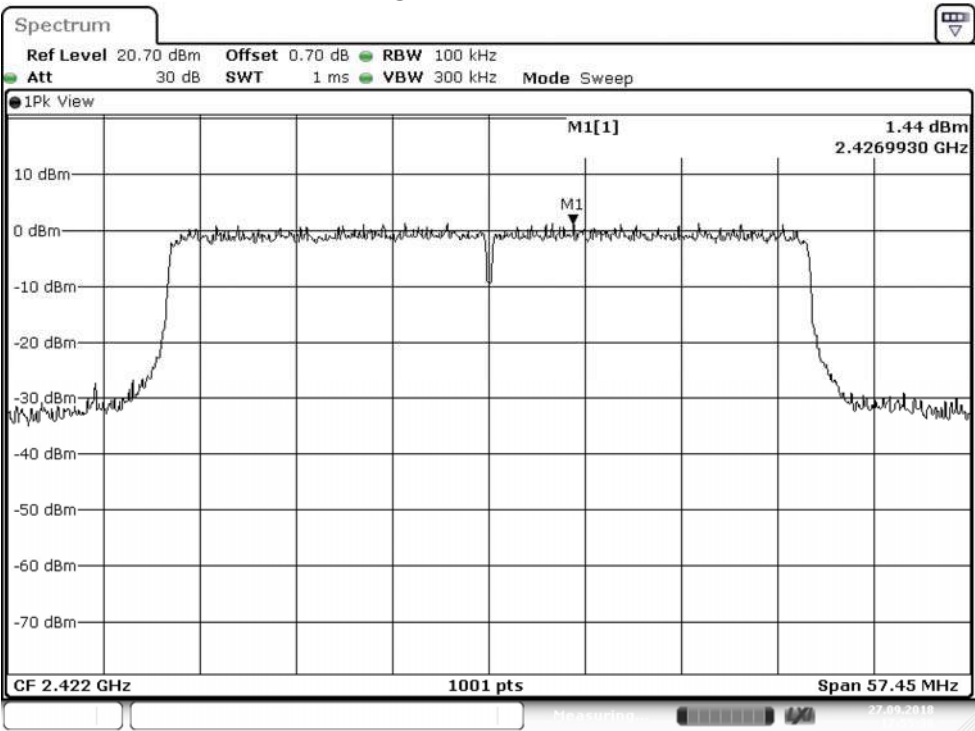


Figure Channel 07:

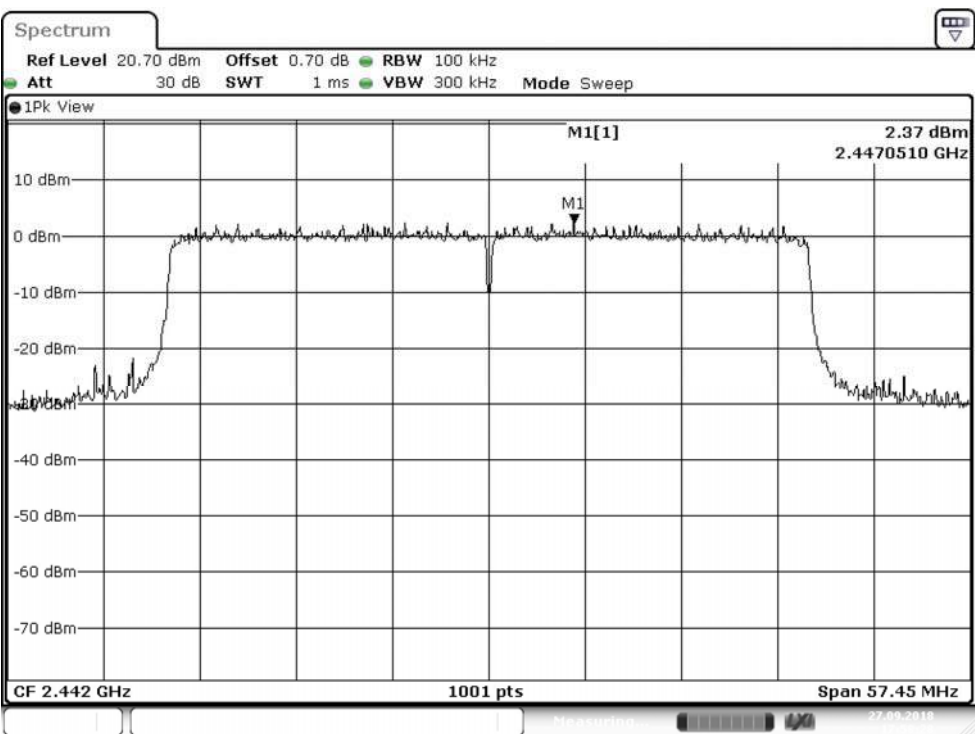


Figure Channel 09:

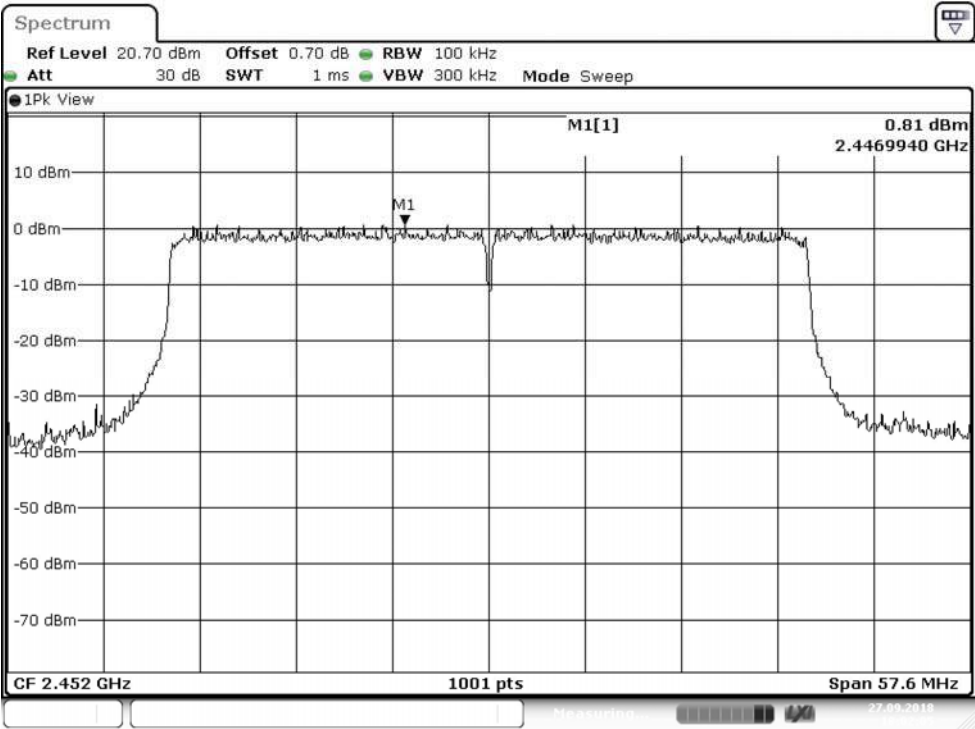


Figure Channel 10:

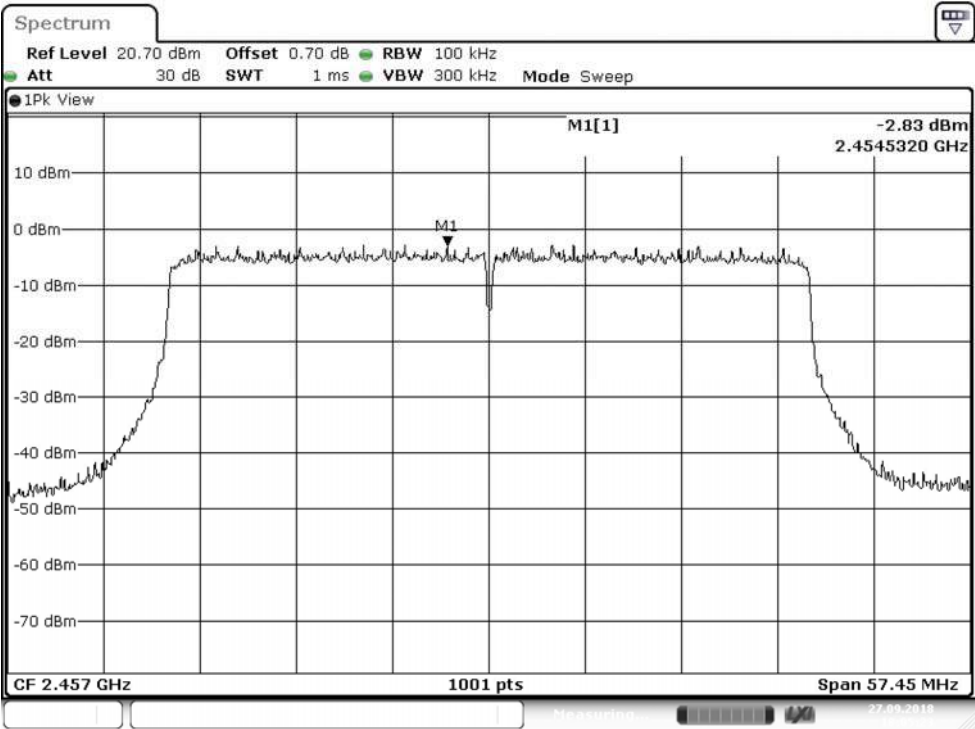
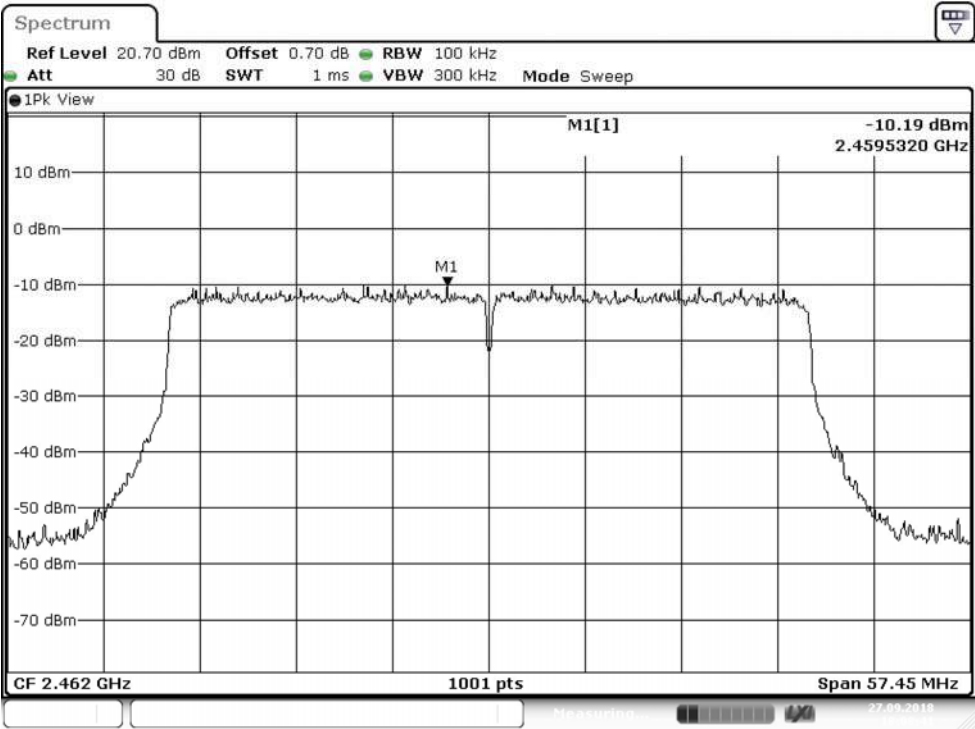


Figure Channel 11:



待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試項目：功率密度

測試頻道：--

測試模式：Mode 3: MIMO: 發射器 802.11ax (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：107 年 09 月 27 日

環境濕度：50 %

Channel No.	Frequency (MHz)	Chain	PPSD/MHz (dBm)	10*log(2) (dB)	Measure Level (dBm)	Limit (dBm)	Result
01	2412.000	A	1.660	3.010	4.670	≤ 8dBm	Pass
		B	1.650	3.010	4.660	≤ 8dBm	Pass
07	2442.000	A	2.720	3.010	5.730	≤ 8dBm	Pass
		B	2.920	3.010	5.930	≤ 8dBm	Pass
11	2462.000	A	2.510	3.010	5.520	≤ 8dBm	Pass
		B	2.540	3.010	5.550	≤ 8dBm	Pass
12	2467.00	A	-0.400	3.010	2.610	≤ 8dBm	Pass
		B	-0.400	3.010	2.610	≤ 8dBm	Pass
13	2472.00	A	-13.810	3.010	-10.800	≤ 8dBm	Pass
		B	-13.510	3.010	-10.500	≤ 8dBm	Pass

Note:

The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 01: (Chain A)

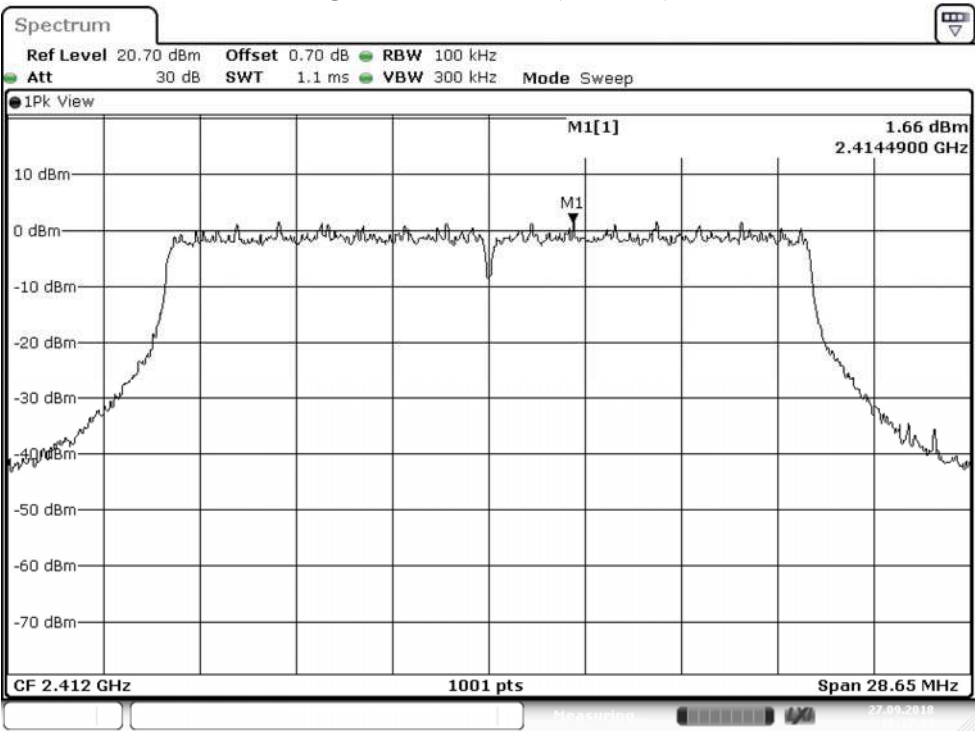
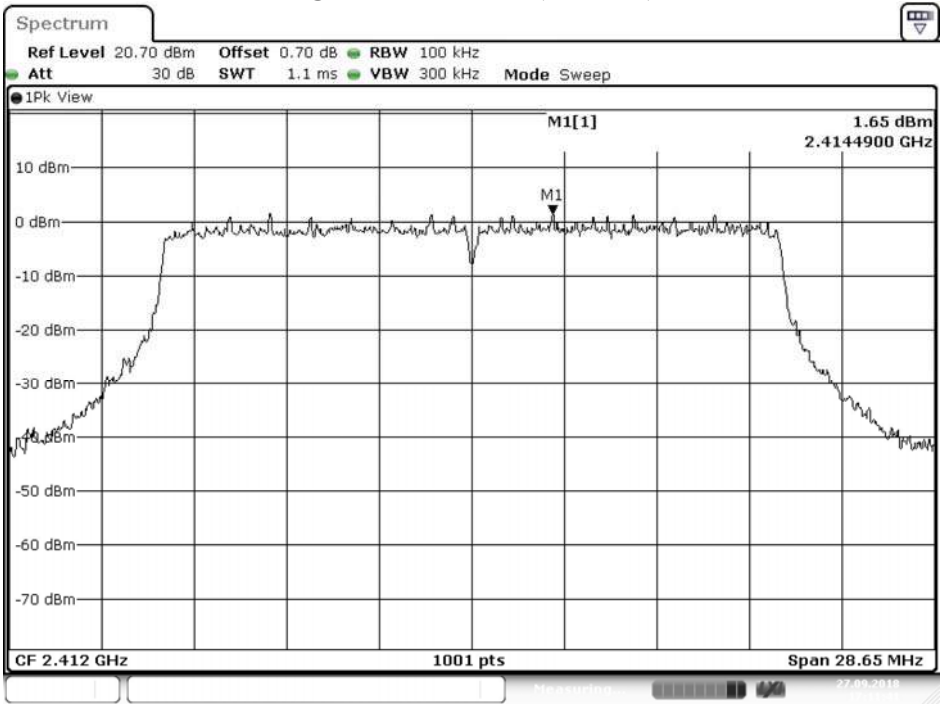


Figure Channel 01: (Chain B)



Date: 27.SEP.2018 17:11:41

Figure Channel 07: (Chain A)

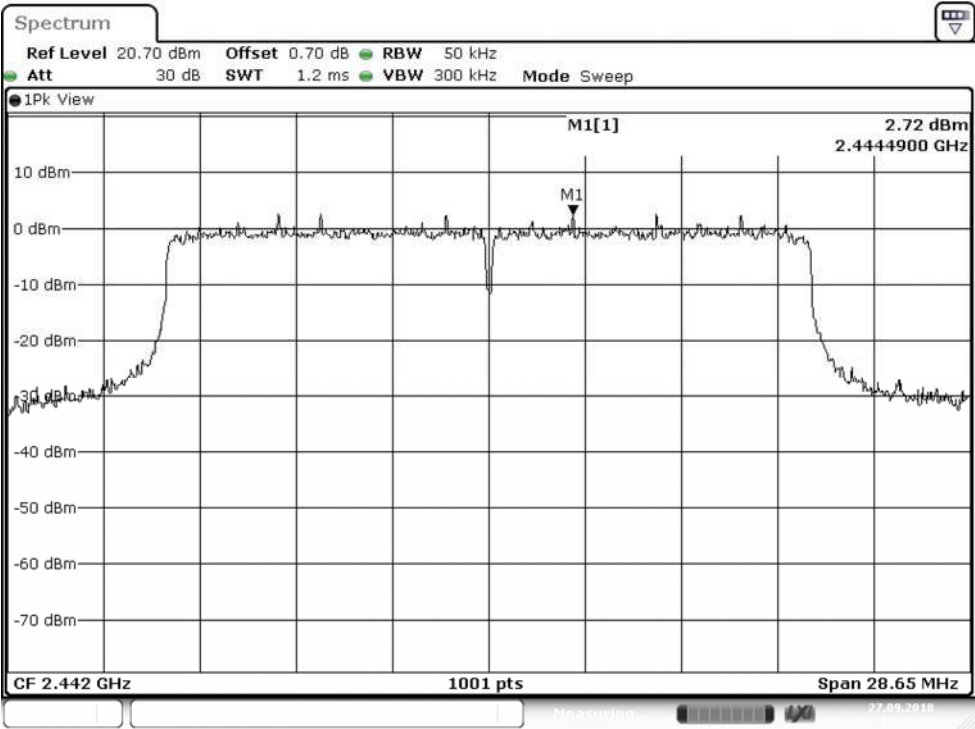
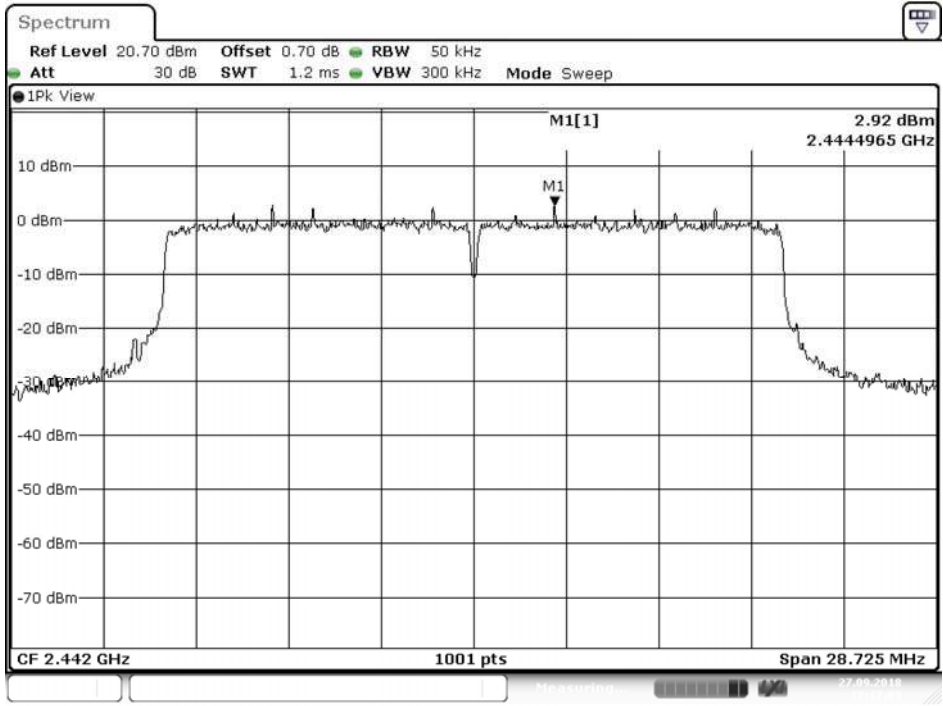


Figure Channel 07: (Chain B)



Date: 27.SEP.2018 17:17:06

Figure Channel 11: (Chain A)

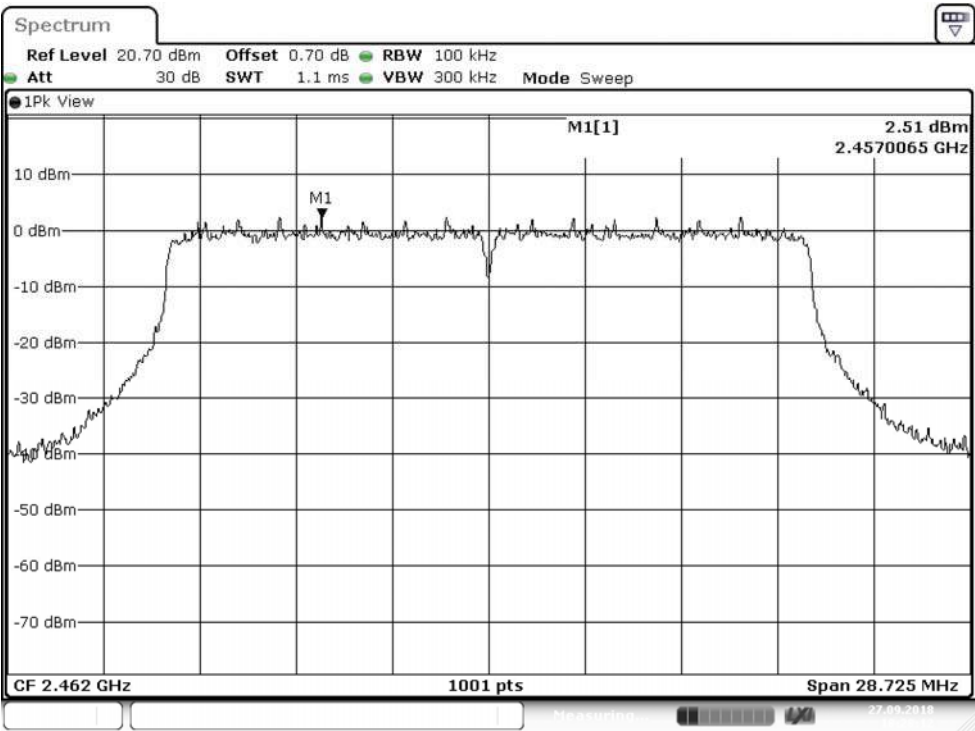
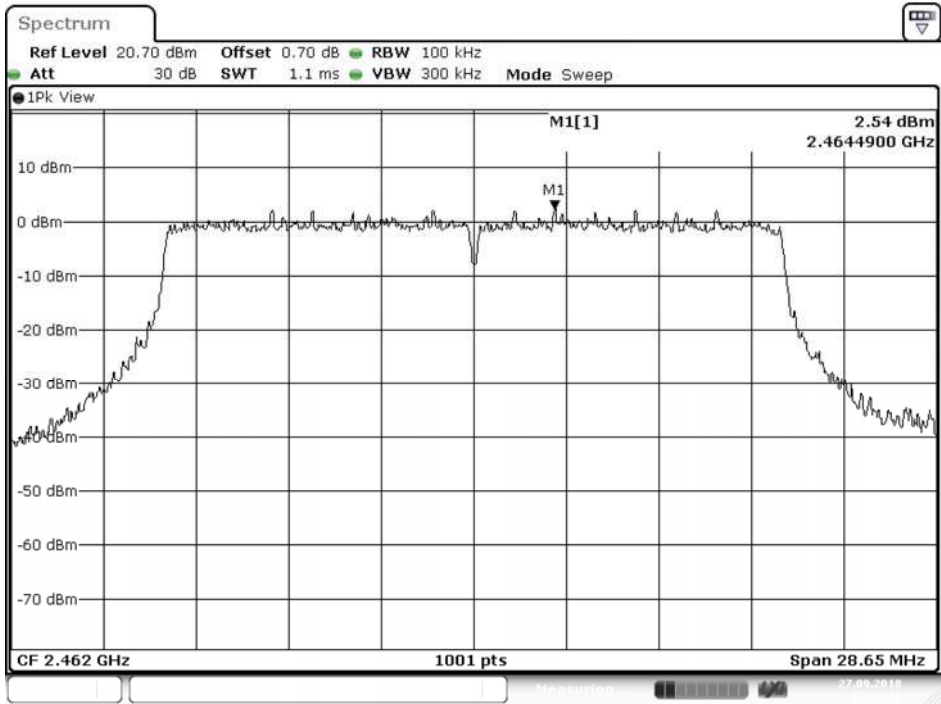


Figure Channel 11: (Chain B)



Date: 27.SEP.2018 17:22:49

Figure Channel 12: (Chain A)

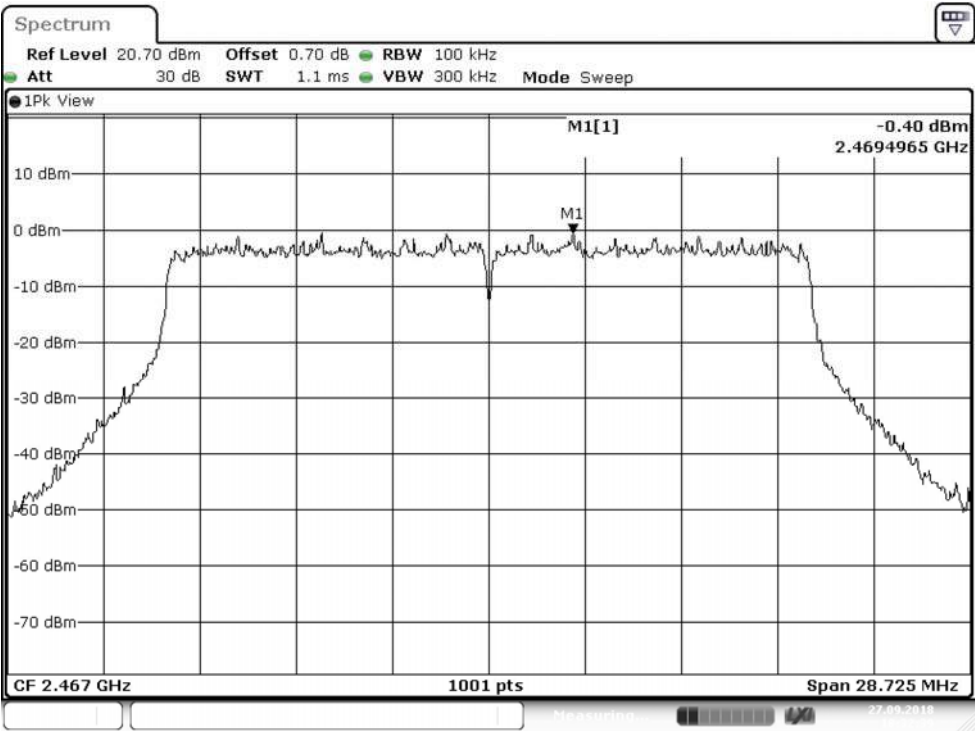
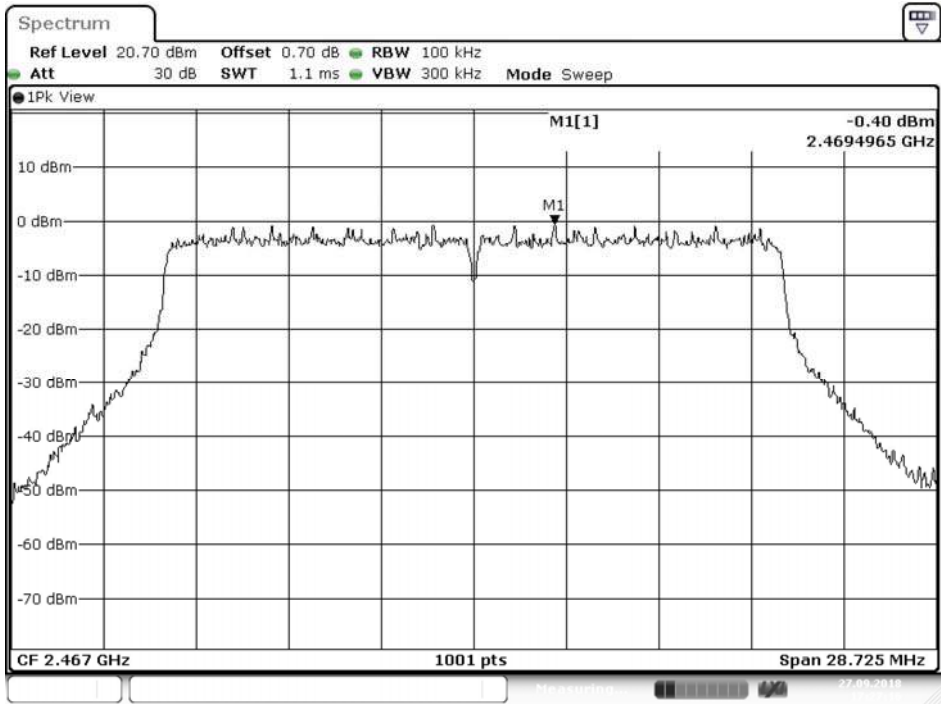


Figure Channel 12: (Chain B)



Date: 27.SEP.2018 17:27:16

Figure Channel 13: (Chain A)

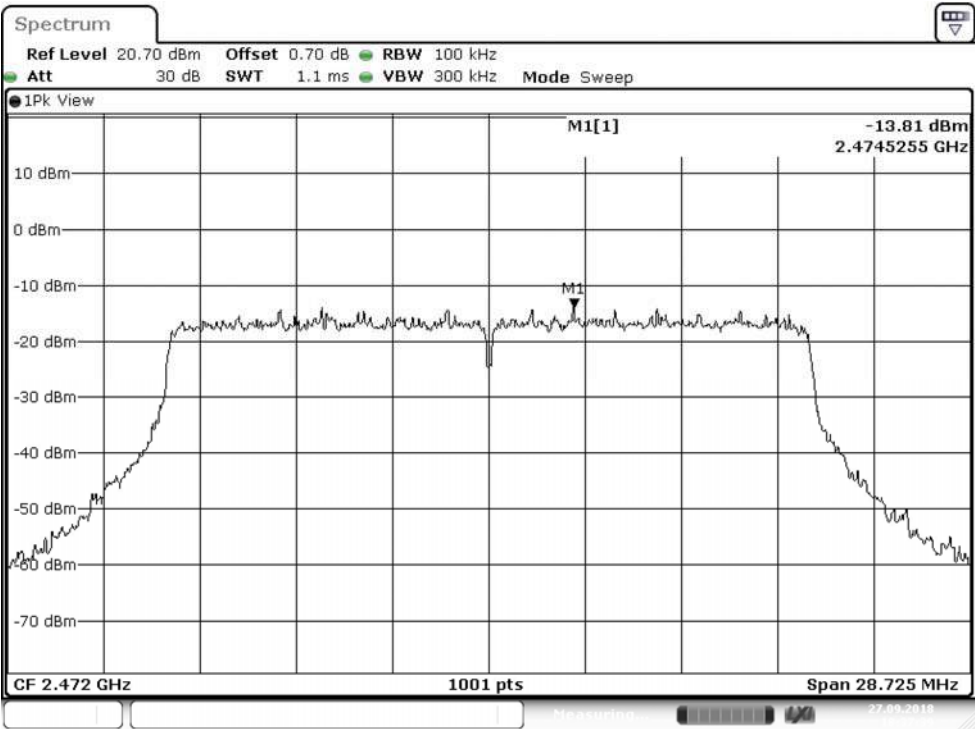
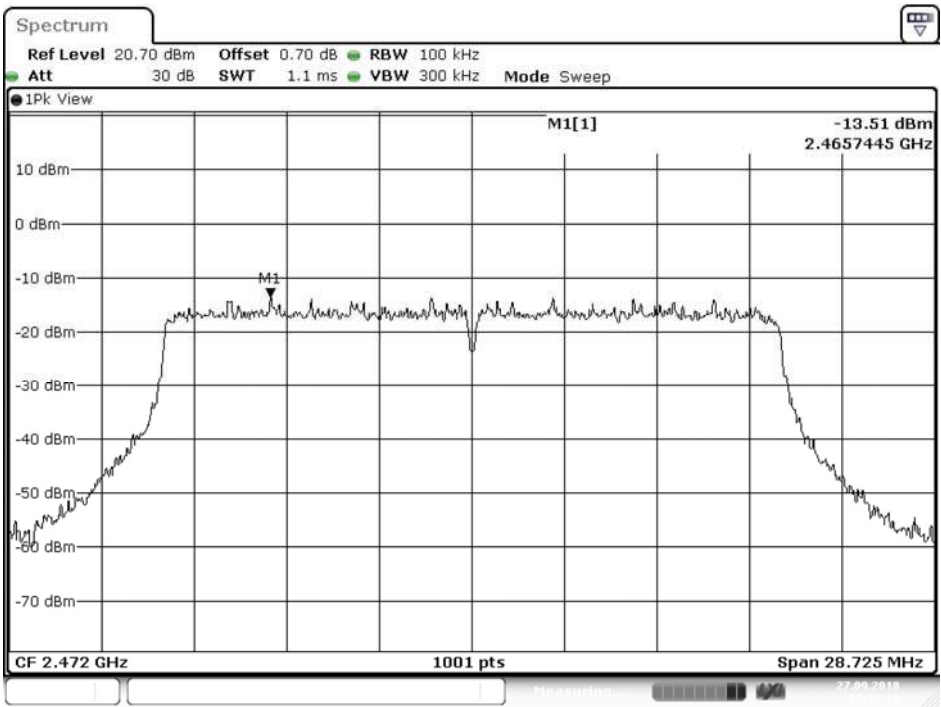


Figure Channel 13: (Chain B)



Date: 27.SEP.2018 17:32:16

待測物名稱：Intel® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試項目：功率密度

測試頻道：--

測試模式：Mode 3: MIMO: 發射器 802.11ax (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：107 年 09 月 27 日

環境濕度：50 %

Channel No.	Frequency (MHz)	Chain	PPSD/MHz (dBm)	10*log(2) (dB)	Measure Level (dBm)	Limit (dBm)	Result
03	2422.000	A	-1.540	3.010	1.470	≤ 8dBm	Pass
		B	-1.630	3.010	1.380	≤ 8dBm	Pass
07	2442.000	A	-0.750	3.010	2.260	≤ 8dBm	Pass
		B	-0.710	3.010	2.300	≤ 8dBm	Pass
09	2452.000	A	-1.990	3.010	1.020	≤ 8dBm	Pass
		B	-2.160	3.010	0.850	≤ 8dBm	Pass
10	2457.00	A	-5.600	3.010	-2.590	≤ 8dBm	Pass
		B	-5.680	3.010	-2.670	≤ 8dBm	Pass
11	2462.00	A	-12.610	3.010	-9.600	≤ 8dBm	Pass
		B	-13.110	3.010	-10.100	≤ 8dBm	Pass

Note:

The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

Figure Channel 03: (Chain A)

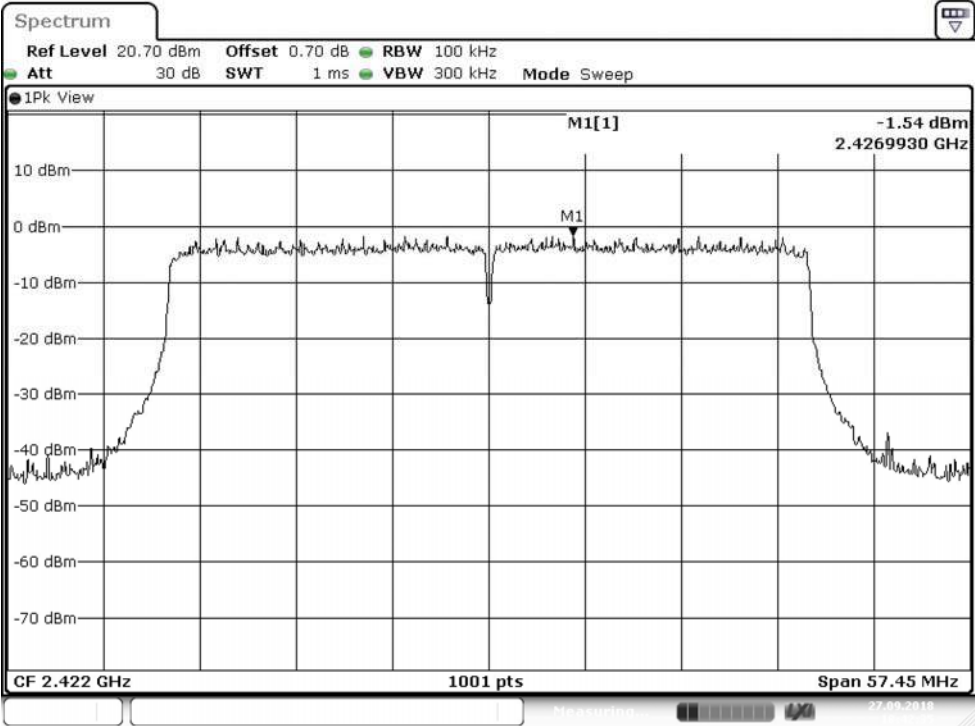
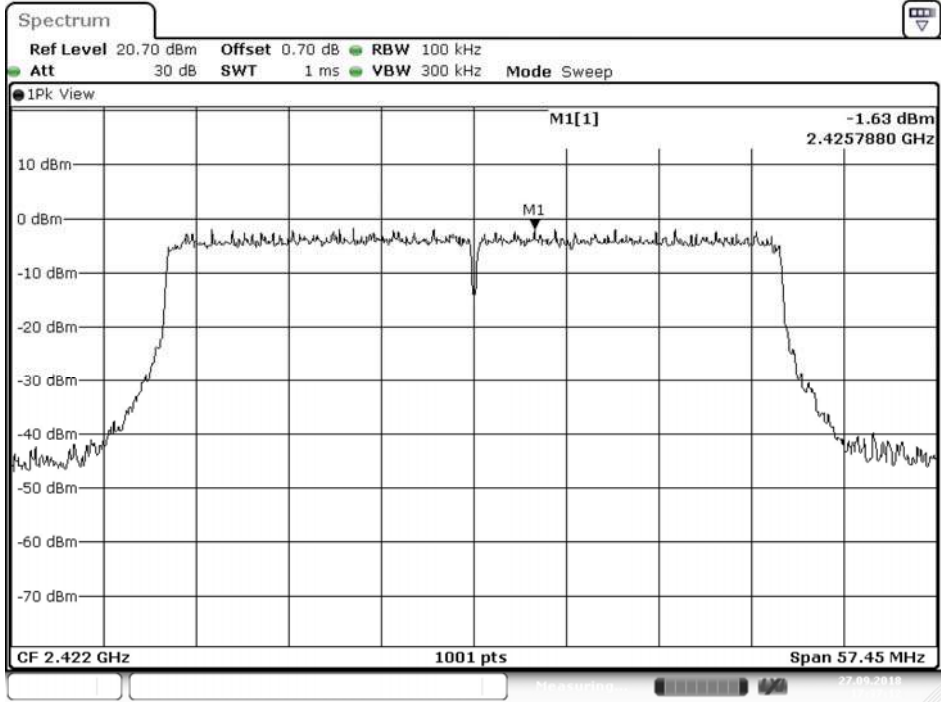


Figure Channel 03: (Chain B)



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

Figure Channel 07: (Chain A)

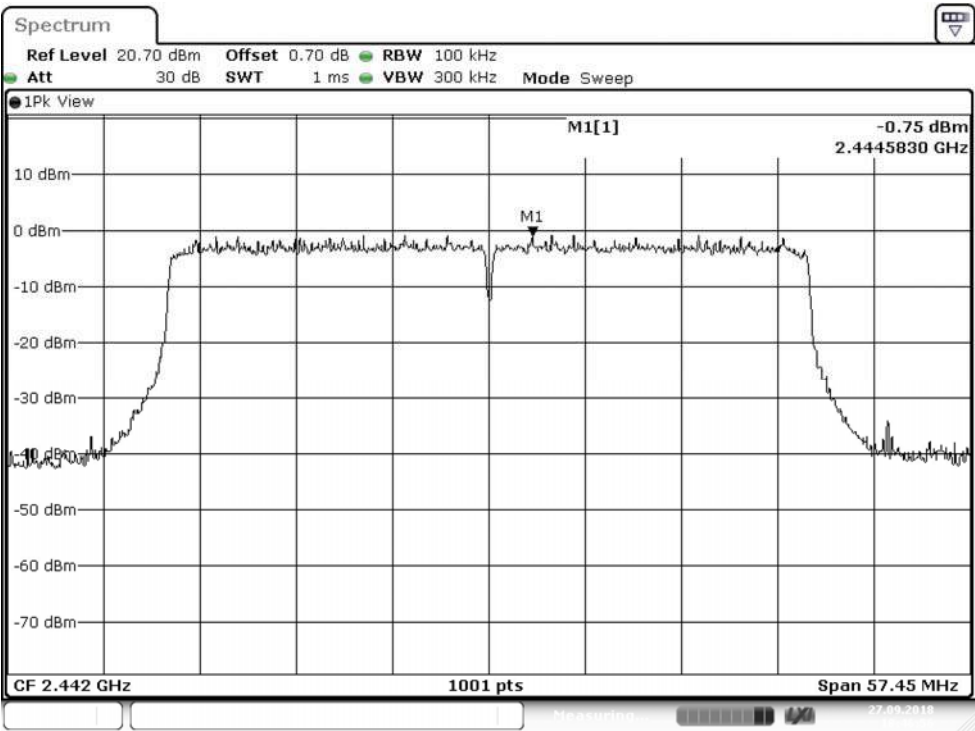
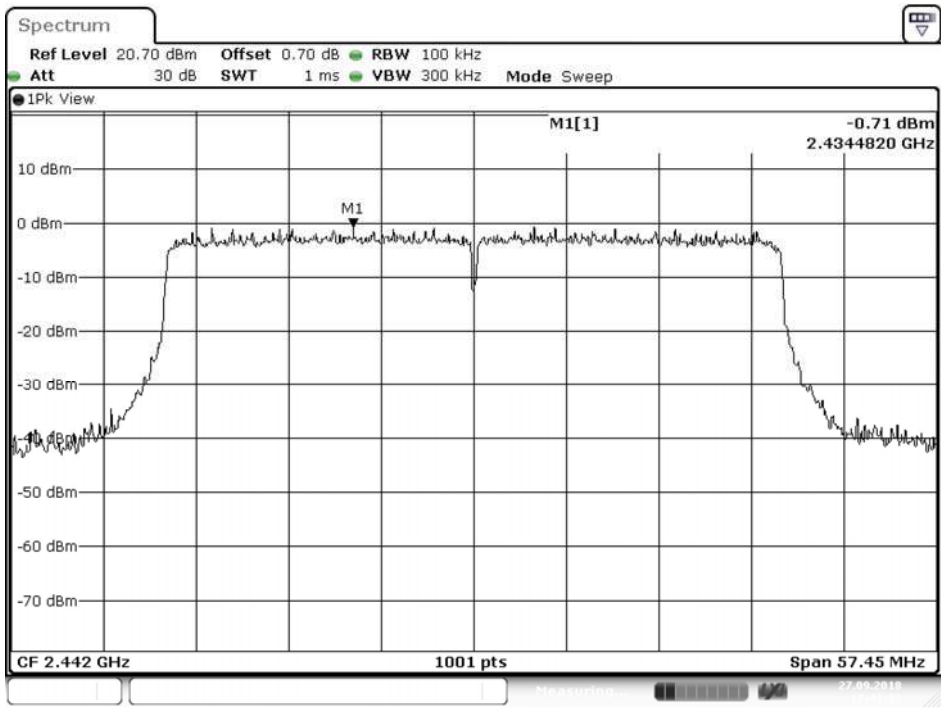


Figure Channel 07: (Chain B)



Date: 27.SEP.2018 17:41:33

Figure Channel 09: (Chain A)

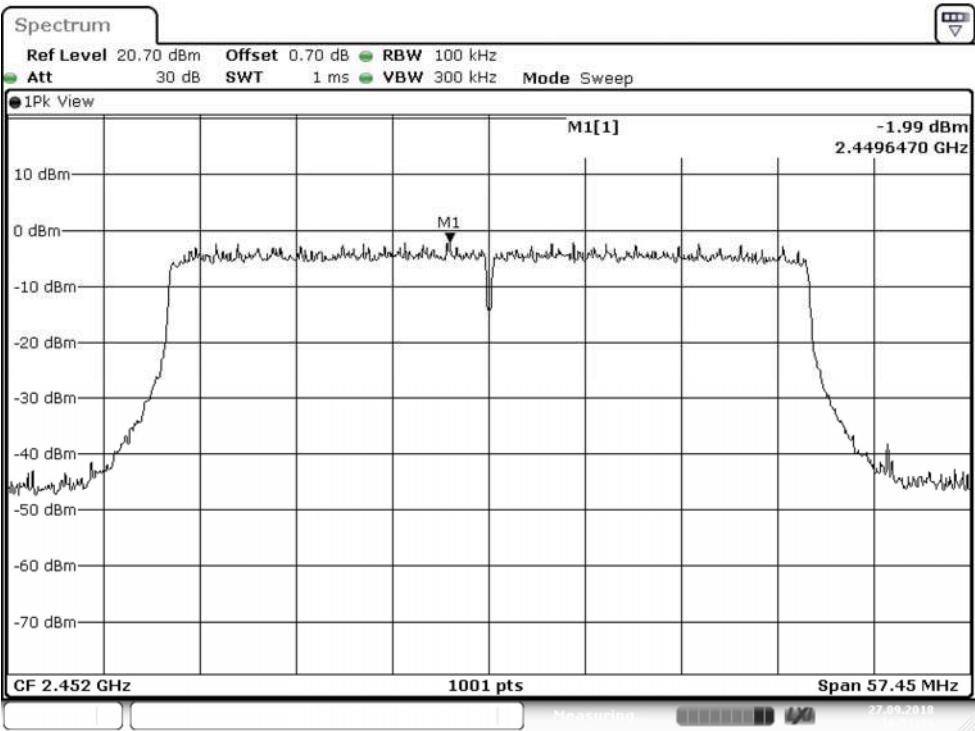
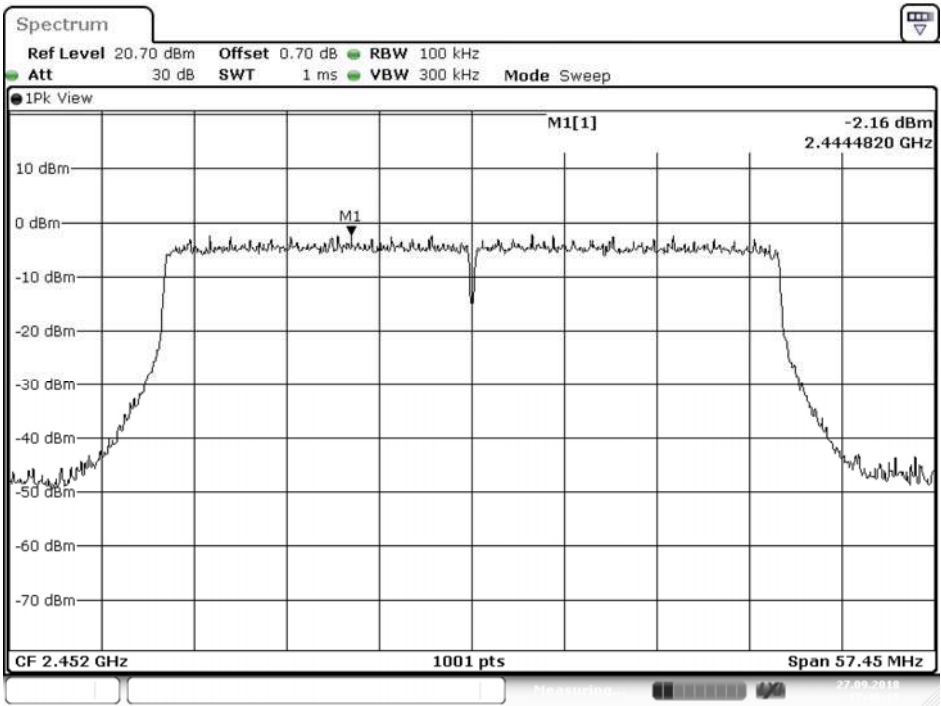


Figure Channel 09: (Chain B)



Date: 27.SEP.2018 17:46:15

Figure Channel 10: (Chain A)

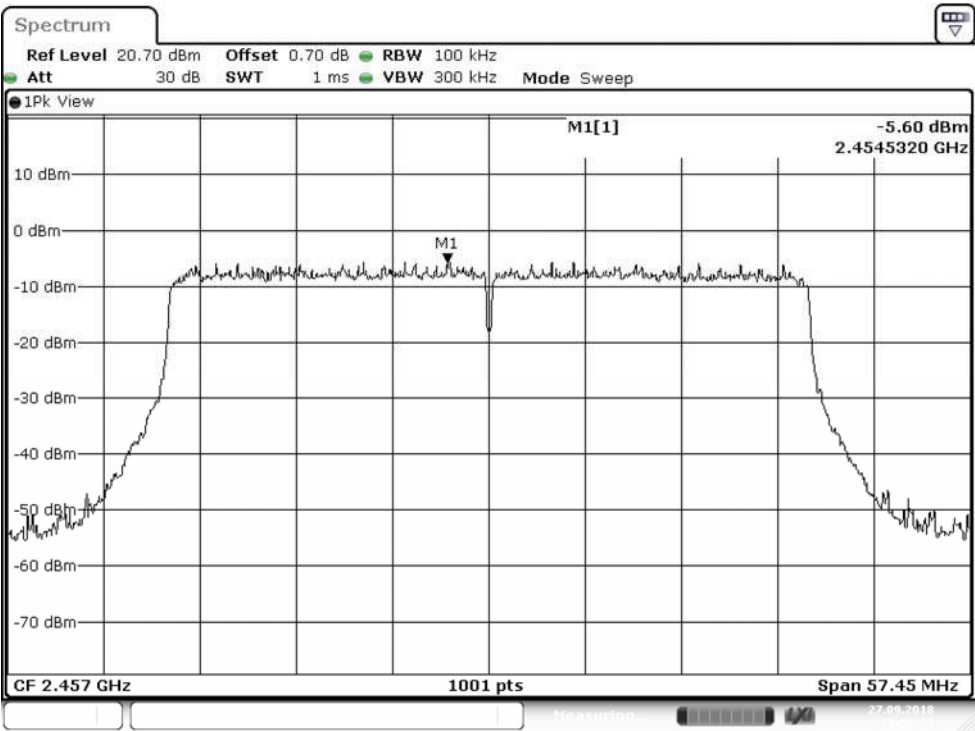
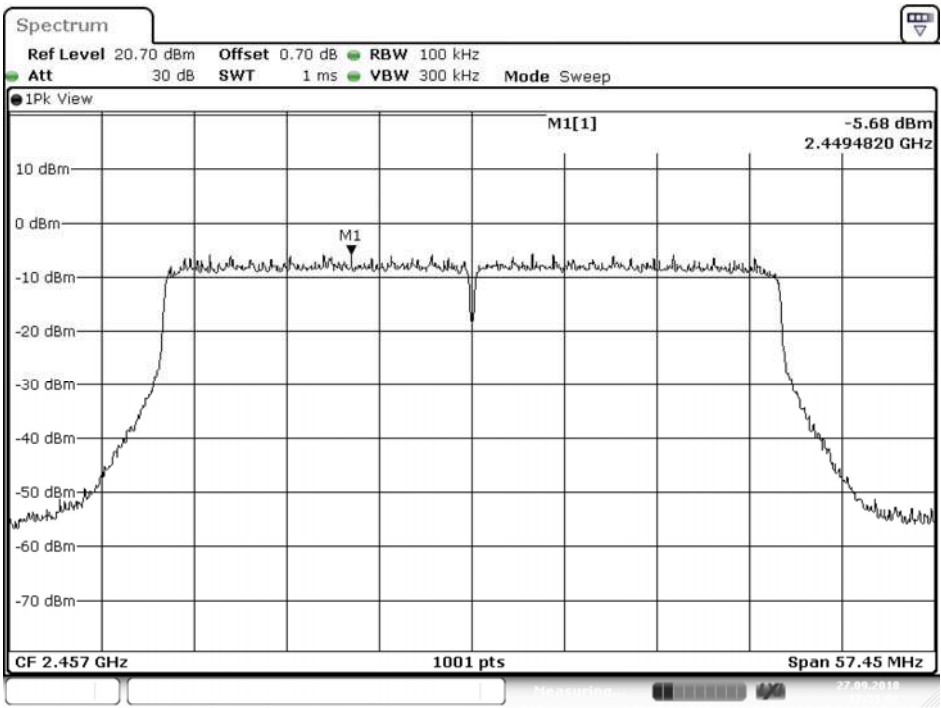


Figure Channel 10: (Chain B)



Date: 27.SEP.2018 17:51:02

Figure Channel 11: (Chain A)

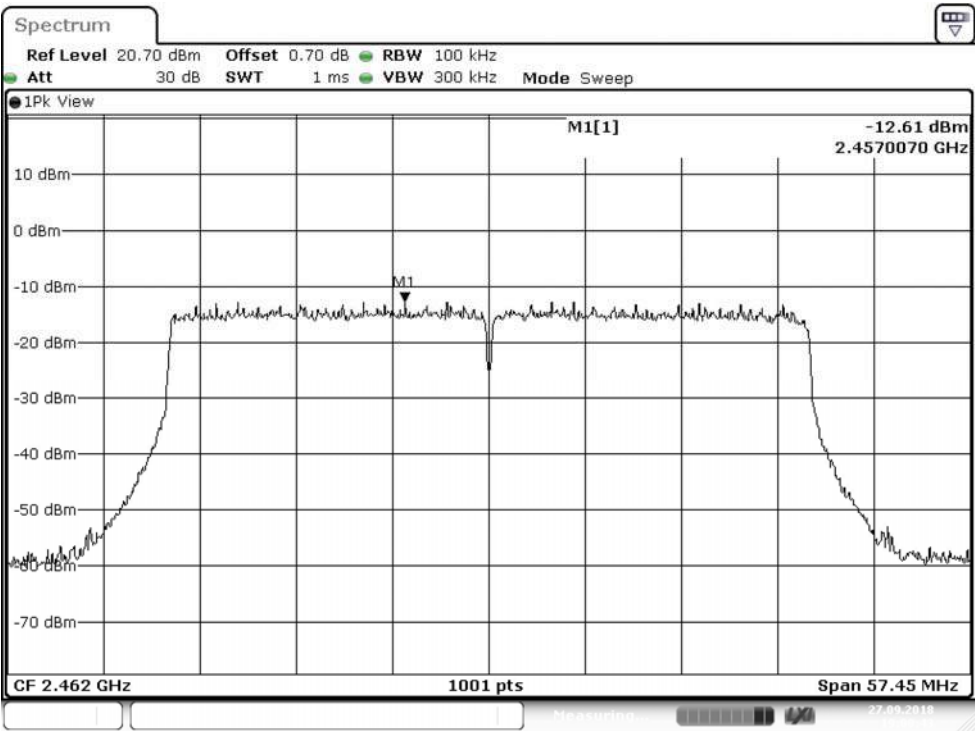
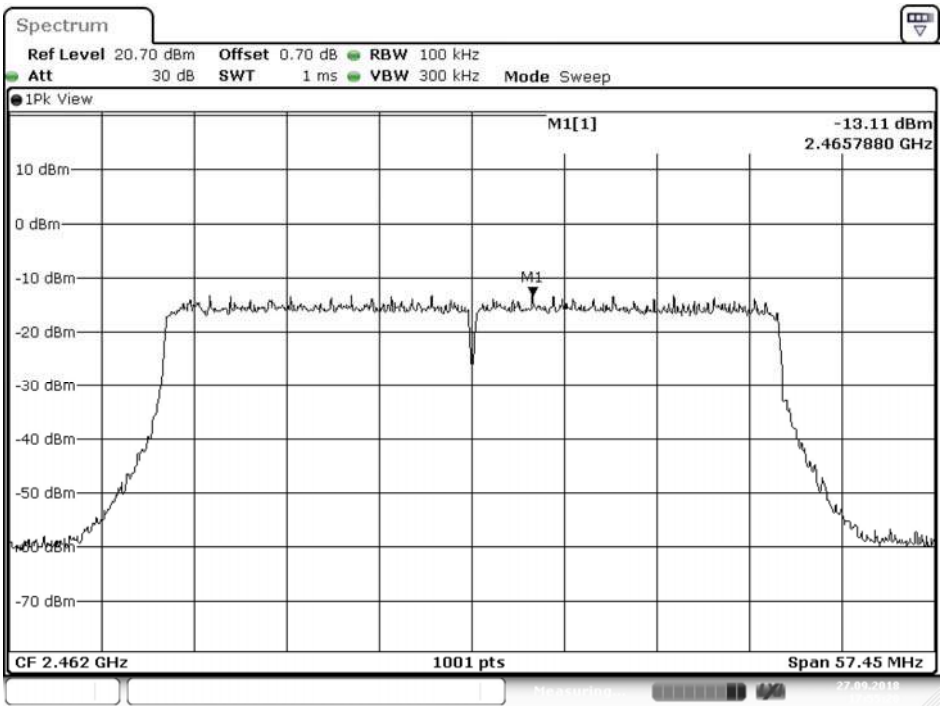


Figure Channel 11: (Chain B)



Date: 27.SEP.2018 17:55:20

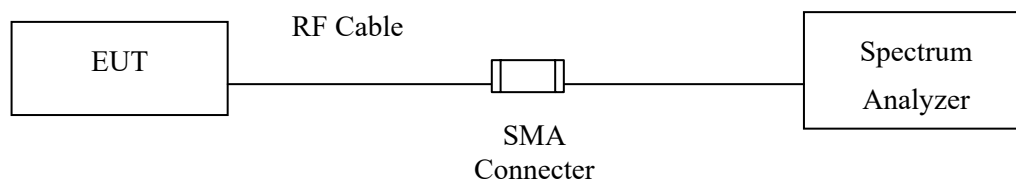
功率密度測試結果:	PASS
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11. Duty Cycle

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® Wi-Fi 6 AX201

待測物型號：AX201D2W

測試頻道：--

量測天線：--

檢測器：峰值

測試日期：107年10月19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:

SISO A

2.4GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11b	8.4400	8.6500	97.57	0.11
802.11g	2.1100	2.3400	90.17	0.45
802.11n20	25.0300	25.1800	99.40	0.03
802.11n40	17.9800	18.1300	99.17	0.04
802.11ax20	24.8300	24.9800	99.40	0.03
802.11ax40	18.7800	18.9300	99.21	0.03

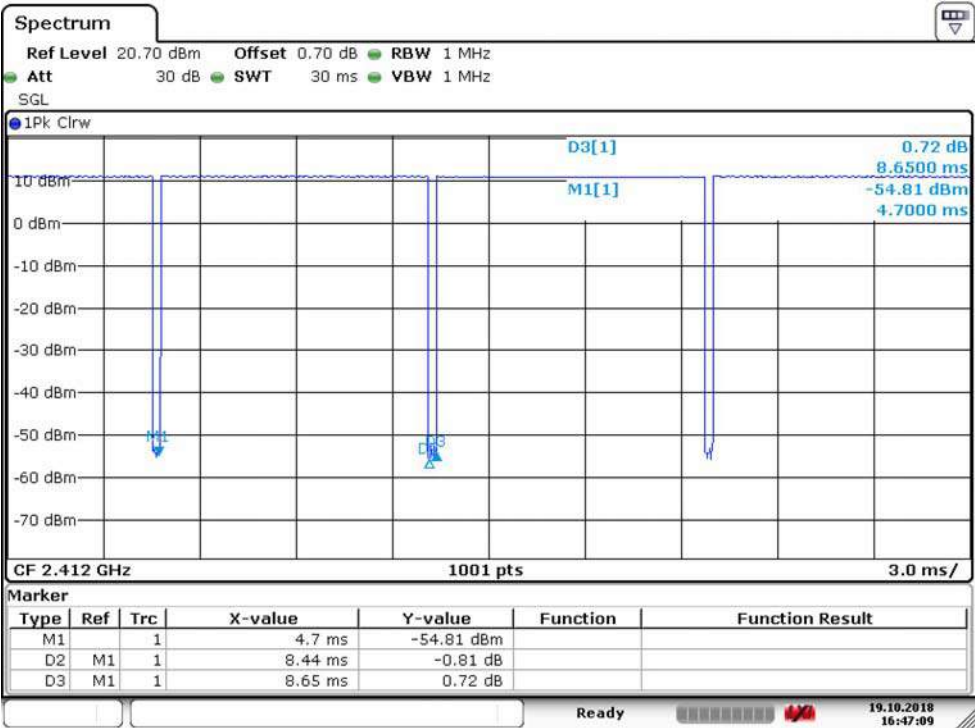
SISO B

2.4GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11b	8.4100	8.5800	98.02	0.09
802.11g	2.1200	2.3500	90.21	0.45
802.11n20	24.9200	25.0500	99.48	0.02
802.11n40	17.9700	18.1000	99.28	0.03
802.11ax20	25.0000	25.1000	99.60	0.02
802.11ax40	18.8200	18.9500	99.31	0.03

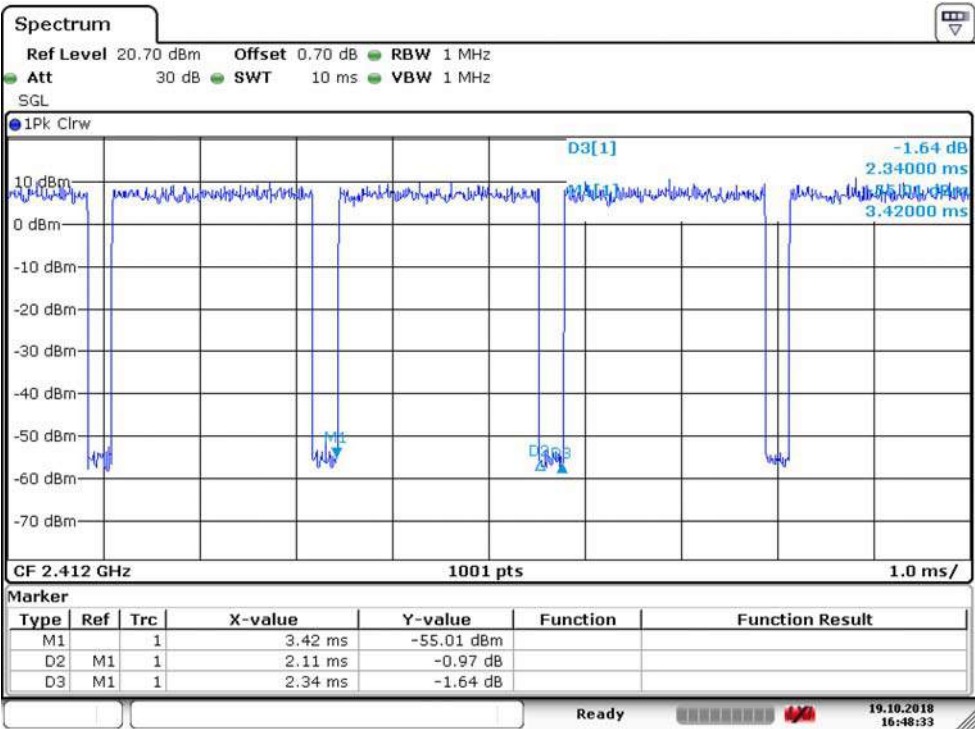
MIMO

2.4GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11n20	18.5000	18.8000	98.40	0.07
802.11n40	8.9000	9.2000	96.74	0.14
802.11ax20	19.7500	20.0500	98.50	0.07
802.11ax40	9.9000	10.2000	97.06	0.13

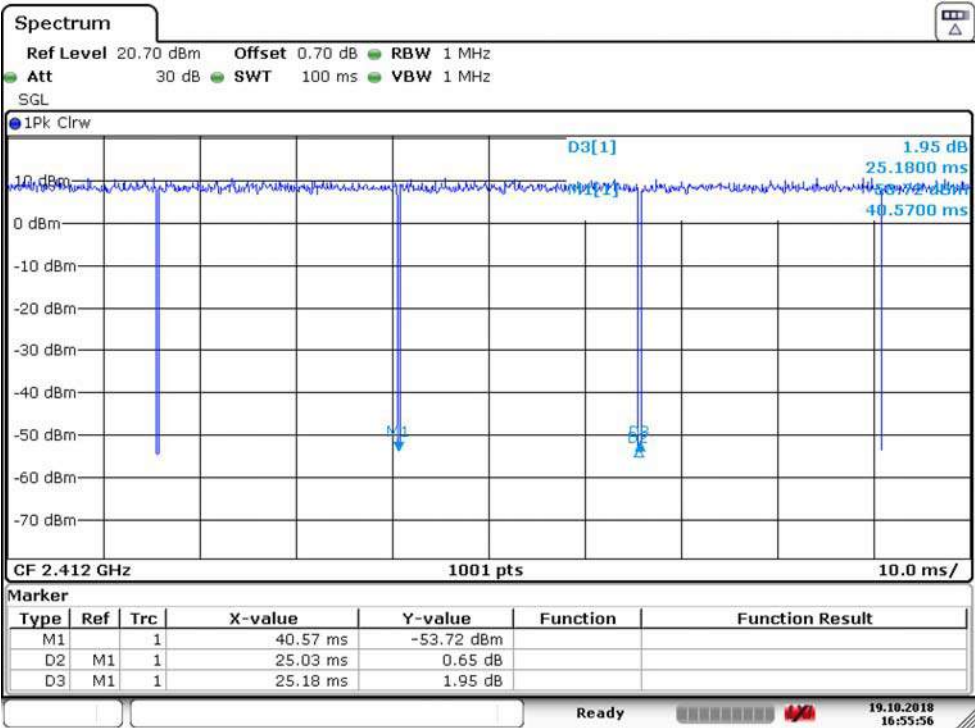
802.11b (SISO A)



802.11g (SISO A)



802.11n20 (SISO A)



802.11n40 (SISO A)

