

NCC

低功率射頻器材型式試驗報告

產品名稱: AC1200 完整家庭 Mesh Wi-Fi 系統
型號: Deco M4
廠牌: tp-link
申請者: 聯洲國際有限公司
申請者地址: 新北市板橋區中山路一段 156 號 4 樓
測試標準: LP0002 (109 年版) 5.7 章節
參考法規: ANSI C63.10-2013
測試結果: 符合
接收日期: 2021/11/15
測試日期: 2021/12/09~2021/12/31
發行日期: 2022/01/04

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本測試報告僅對實驗室所受測之樣品負責

本測試報告非經本公司同意不可局部複製使用

修訂紀錄

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CONTENTS

Description	Page
1. 一般資訊	5
2. 產品資訊	6
2.1. 待測物裝置資料	6
2.2. 通道清單	7
2.3. 測試模式	7
2.4. 測試系統組合圖	8
2.5. 測試周邊	8
2.6. 待測裝置測試時之典型操作程式	8
3. 量測不確定度	9
4. 測試設備明細	10
5. 測試結果	12
5.1. 電源端點干擾測試	13
5.1.1. 適用標準	13
5.1.2. 量測方法	13
5.1.3. 測試架構圖	13
5.1.4. 電源端點測試結果	14
5.2. 功率限制值	16
5.2.1. 適用標準	16
5.2.2. 量測方法	17
5.2.3. 測試架構圖	17
5.2.4. 功率限制值測試結果	18
5.3. 天線之要求	19
5.3.1. 適用標準	19
5.3.2. 天線樣式	19
5.4. 26dB 佔用頻寬	20
5.4.1. 適用標準	20
5.4.2. 量測方法	20
5.4.3. 測試架構圖	20
5.4.4. 26dB 佔用頻寬測試結果	21
5.5. 6dB 佔用頻寬	25
5.5.1. 適用標準	25
5.5.2. 量測方法	25
5.5.3. 測試架構圖	25
5.5.4. 6dB 佔用頻寬測試結果	26
5.6. 最大功率頻譜密度	29
5.6.1. 適用標準	29
5.6.2. 量測方法	29
5.6.3. 測試架構圖	30
5.6.4. 峰值功率頻譜密度測試結果	31
5.7. 操作頻帶外的峰值發射	39
5.7.1. 適用標準	39
5.7.2. 量測方法	40
5.7.3. 測試架構圖	40
5.7.4. 操作頻帶外的峰值發射測試結果	41
5.8. 不必要之發射	71
5.8.1. 適用標準	71
5.8.2. 量測方法	71

5.8.3. 測試架構圖	72
5.8.4. 不必要之發射測試結果.....	73

1. 一般資訊

申請者	聯洲國際有限公司
申請者地址	新北市板橋區中山路一段 156 號 4 樓
實驗室	台灣曼瑞檢測科技有限公司
實驗室地址	33377 台灣桃園市龜山區復興二路 38 號
實驗室資訊	1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm. 2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada. 3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC, Industry Taiwan, EU and TELEC Rules.
實驗室測試環境條件	溫度 (°C) : 20-35 / 濕度 (%RH) : 30-65

2. 產品資訊

2.1. 待測物裝置資料

產品名稱	AC1200 完整家庭 Mesh Wi-Fi 系統
產品型號	Deco M4
待測物額定電壓	AC 100 ~ 240V/50~60Hz
無線規格	802.11a/n/ac
頻率範圍	For 802.11a/n-HT20/ac-VHT20: 5180~5250MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40: 5190~5230MHz, 5755~5795MHz For 802.11ac-VHT80: 5210MHz, 5775MHz
調變模式	802.11a/n/ac: OFDM
傳輸速率	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 866.6Mbps
頻道控制	Auto
配件	
電源供應器	Model: T120150-2B1 Input: 100-240V ~ 50/60Hz, 0.6A Output: 12V, 1.5A
網路線	Brand: 永鉅 M/N: RJ45 Cable Length: 1.5 m

2.2. 通道清單

802.11a/n-HT20/ac-VHT20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	149	5745 MHz	153	5765 MHz
157	5785 MHz	161	5805 MHz	165	5825 MHz

802.11n-HT40/ac-VHT4

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz
159	5795 MHz	--	--	--	--

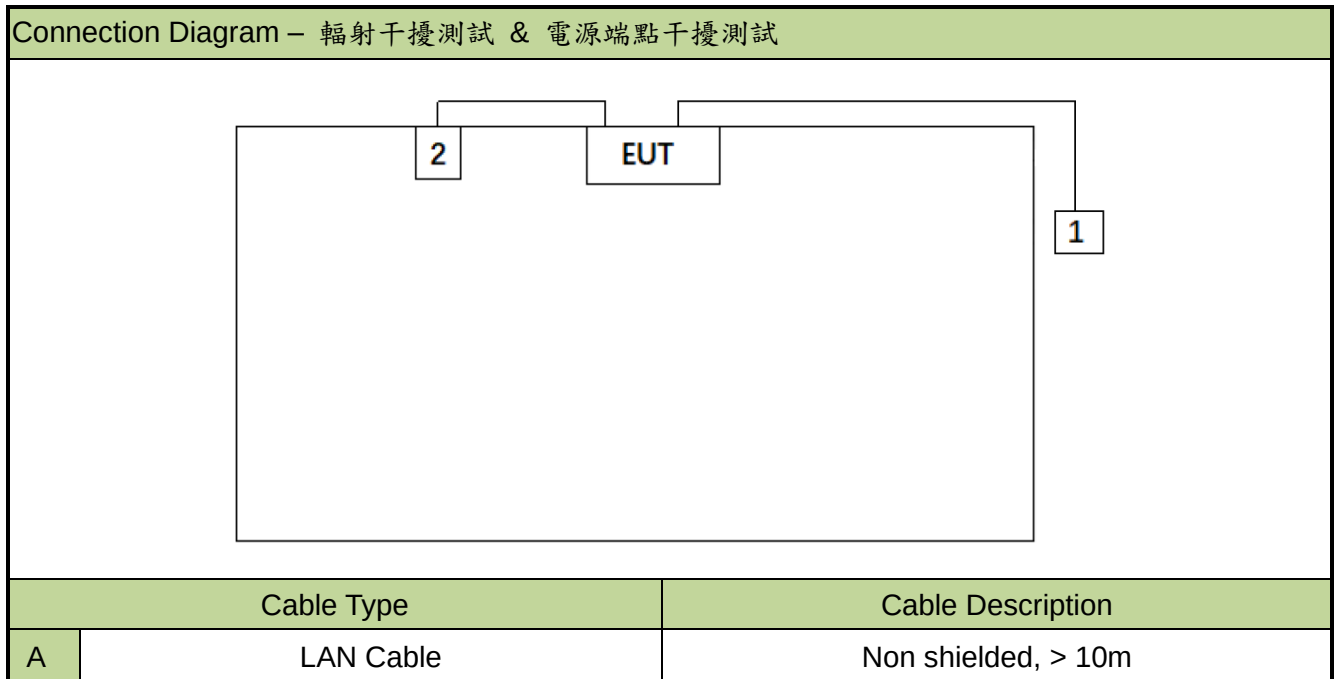
802.11ac-VHT80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	155	5775 MHz	--	--

2.3. 測試模式

Mode 1: 發射器 802.11a (6Mbps) (CDD mode)
Mode 2: 發射器 802.11ac-VHT20 (MCS0) (CDD mode)
Mode 3: 發射器 802.11ac-VHT40 (MCS0) (CDD mode)
Mode 4: 發射器 802.11ac-VHT80 (MCS0) (CDD mode)
Mode 5: 接收器

2.4. 測試系統組合圖



2.5. 測試周邊

No.	周邊名稱	廠牌	型號	序號	電源線
1	Notebook	ThinkPad	E495	N/A	Non-shielded, 0.8m
2	AC Adapter	TP-Link Corporation Limited	T120150-2B1	N/A	Non-shielded, 0.8m

2.6. 待測裝置測試時之典型操作程式

1.	Setup the EUT and simulators as shown on 2.4
2.	Turn on the power of all equipment.
3.	Execute “QATool, version: 5.0.2” program
4.	Configure the test channel and the data rate.
5.	Start test.

3. 量測不確定度

電源傳導量測-電源線 (Conducted Emission- Power Line)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 2.53dB
電源傳導量測-通訊埠 (Conducted Emission- Impedance Stabilization Network Measurement)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 3.96dB
輻射干擾量測 (Radiated Spurious Emission)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 3.92dB (Below 30M)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 4.25dB (30M~1G)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 4.40dB (1G~18G)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 4.45dB (18G~40G)
頻率誤差量測 (Frequency Error)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 78.4\text{Hz}$
傳導功率量測 (Conducted Power)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.84\text{dB}$
傳導干擾量測 (Conducted Spurious Emission)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 2.65\text{ dB}$
佔用頻寬量測 (Occupied Bandwidth)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 3.3%
溫度 / 濕度 (Temp. / Humidity)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.82^\circ\text{C} / \pm 3\%$
直流電源 (DC Voltage)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.3\%$

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

4. 測試設備明細

電源傳導 – SR2

儀器名稱	廠牌	型號	財產編號	校正年限	校正有效日期
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2022/3/23
Two-Line V-Network	R&S	ENV 216	MRTTWA00020	1 year	2022/4/24
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24
Temperature/Humidity Meter	TFA	35.1083	MRTTWA00050	1 year	2022/6/3

輻射干擾 – AC1/AC2

儀器名稱	廠牌	型號	財產編號	校正年限	校正有效日期
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2022/4/27
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2022/10/4
Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2022/4/24
Broadband Horn Antenna	RFSPIN	DRH18-E	MRTTWA00087	1 year	2022/6/28
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2022/4/24
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2022/4/24
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SE	MRTTWA00088	1 year	2022/6/28
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2022/4/24
Signal Analyzer	R&S	FSV40	MRTTWA00007	1 year	2022/3/23
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2022/11/14
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2022/6/28
Cable	Rosnol	K1K50-UP0264-K 1K50-4M	MRTTWE00012	1 year	2022/6/20
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00034	1 year	2022/6/28
Cable	HUBERSUHNER	EMC105-NM-NM- 3000	MRTTWE00035	1 year	2022/6/28
Temperature/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00032	1 year	2022/6/6

傳導量測設備 -SR2

儀器名稱	廠牌	型號	財產編號	校正年限	校正有效日期
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2022/4/21
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2022/11/14
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2022/7/19
Attenuator	WTI	218FS-20	MRTTWE00027	1 year	2022/6/16
Attenuator	WTI	218FS-10	MRTTWE00028	1 year	2022/6/16
Attenuator	WTI	218FS-06	MRTTWE00029	1 year	2022/6/16
Temperature/Humidity Meter	TFA	35.1083	MRTTWA00050	1 year	2022/6/3

EMI 測試軟體

軟體名稱	廠牌	版本
e3	Audix	9.160520a
EMI	Quietek	V3

5. 測試結果

產品名稱
型號

AC1200 完整家庭 Mesh Wi-Fi 系統
Deco M4

章節	量測項目	限制值	測試結果	測試數據
3.3	電源傳導	低功率射頻器材技術規範 3.3 節	符合	第 5.1 章節
5.7.3	峰值傳導輸出功率	參考第 5.2 章節	符合	第 5.2 章節
3.2 及 5.7.8	天線之要求	低功率射頻器材技術規範 3.2 節及 5.7.8 節	符合	第 5.3 章節
5.7.5	26dB 佔用頻寬	N/A	符合	第 5.4 章節
5.7.5	6dB 佔用頻寬	$\geq 500\text{KHz}$	符合	第 5.5 章節
5.7.3	功率頻譜密度	參考第 5.6 章節	符合	第 5.6 章節
5.7.3	操作頻帶外的峰值 發射	低功率射頻器材技術規範 5.7.3 節	符合	第 5.7 章節
3.6 及 5.7.3	不必要之發射	低功率射頻器材技術規範 3.6 節	符合	第 5.8 章節
5.7.4	發射功率控制	至少具有 6dB 低於平均 EIRP 值 30dBm 的能力	符合	第 5.9 章節

5.1. 電源端點干擾測試

5.1.1. 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範之第 3.3 節，以市電為電源之低功率射頻器材，其傳導回電源線上頻率自 150kHz 至 30MHz 之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限值。測量時應經過 50 微亨利(μH)及 50 歐姆(Ω)之電源線阻抗模擬網路(LISN)。頻率重疊處，以較低限值為準。

Frequency 頻率範圍 MHz	傳導限制值(dBuV)	
	準尖峰值	平均值
0.15 - 0.50	66-56 ^(註)	56-46 ^(註)
0.50 - 5.0	56	46
5.0 - 30	60	50

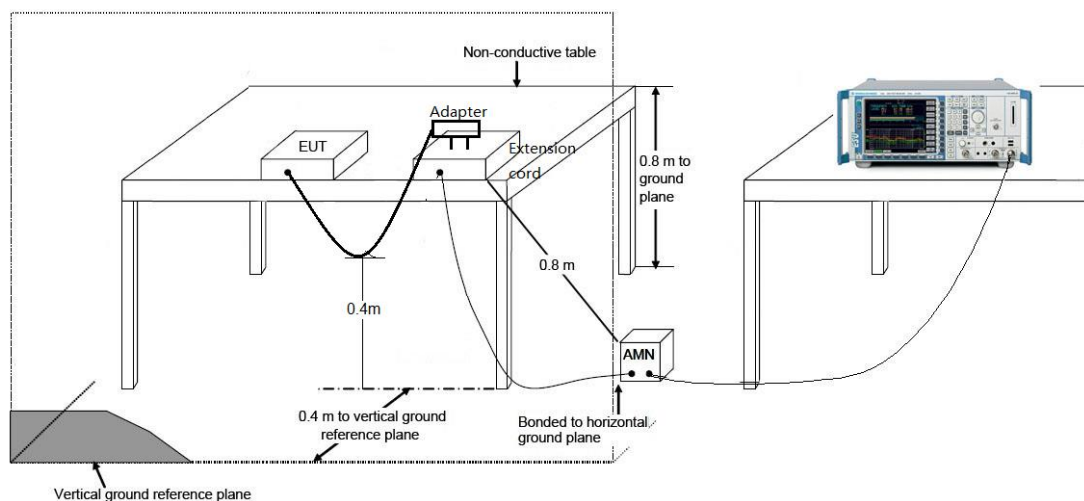
註:隨頻率之對數遞減

5.1.2. 量測方法

待測物置於高 80 公分之非導體桌面（落地型產品置於地上），將待測物之電源線接至電源阻抗網路器(LISN)，同時保持待測物至 LISN 距 80 公分，並將電源線多餘部份以 30 至 40 公分之八字形捆綁於電源線中央並離地 40cm，於在正常工作狀態下，執行待測物之火線(Line)及地線(neutral)各一次量測。電源端點場強之測量範圍由 0.15MHz –30MHz，所量測之讀值皆為準尖峰值(Quasi-Peak Value)及平均值(Average Value)。場強接收機之解析頻寬為 9kHz。

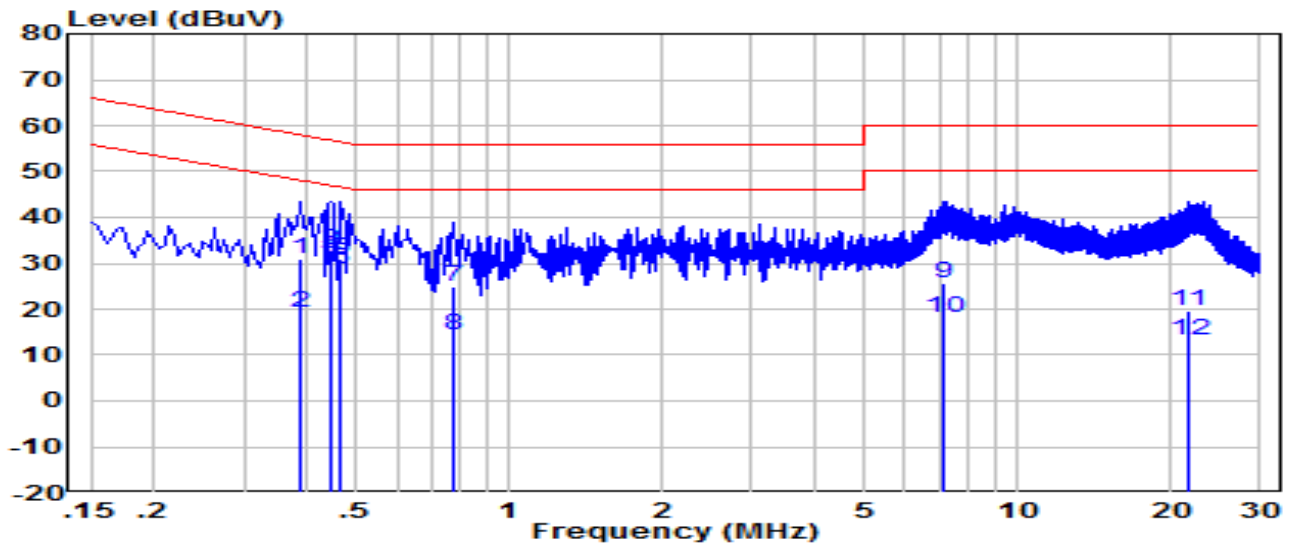
備 註：經初測驗證過，電源端點干擾測試對測試頻道數並無差異，因此檢附其中一個測試頻道之測試數。

5.1.3. 測試架構圖



5.1.4. 電源端點測試結果

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	CE_ENV216-L1	Temp. / Humidity	18°C /48%
Polarity	Line1	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at channel 5785MHz	Test Voltage	110V/60Hz

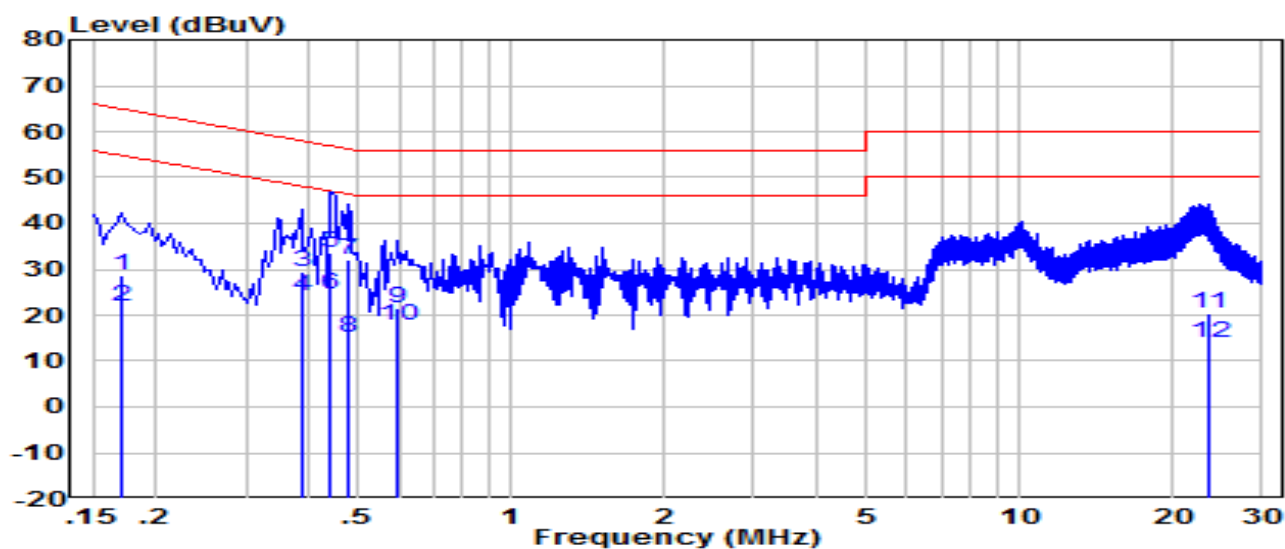


No	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Remark (QP/PK/AV)
1	0.390	21.38	9.62	31.00	-27.06	58.06	QP
2	0.390	9.78	9.62	19.40	-28.66	48.06	Average
3	0.446	23.17	9.63	32.80	-24.15	56.95	QP
4	*	21.87	9.63	31.50	-15.45	46.95	Average
5	0.466	21.47	9.63	31.10	-25.49	56.59	QP
6	0.466	18.97	9.63	28.60	-17.99	46.59	Average
7	0.778	15.35	9.65	25.00	-31.00	56.00	QP
8	0.778	4.65	9.65	14.30	-31.70	46.00	Average
9	7.160	15.70	9.80	25.50	-34.50	60.00	QP
10	7.160	8.30	9.80	18.10	-31.90	50.00	Average
11	21.680	9.71	9.99	19.70	-40.30	60.00	QP
12	21.680	3.31	9.99	13.30	-36.70	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement(dBμV) = Reading(dBμV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	CE_ENV216-N	Temp. / Humidity	18°C /48%
Polarity	Neutral	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at channel 5785MHz	Test Voltage	110V/60Hz



No	Frequency (MHz)	Reading (dBμV)	C.F (dB)	Measurement (dBμV)	Margin (dB)	Limit (dBμV)	Remark (QP/PK/AV)
1	0.170	19.08	9.62	28.70	-36.26	64.96	QP
2	0.170	12.38	9.62	22.00	-32.96	54.96	Average
3	0.386	19.88	9.62	29.50	-28.65	58.15	QP
4	0.386	14.68	9.62	24.30	-23.85	48.15	Average
5	0.438	23.77	9.63	33.40	-23.70	57.10	QP
6	*	0.438	9.63	24.70	-22.40	47.10	Average
7	0.478	22.57	9.63	32.20	-24.17	56.37	QP
8	0.478	5.57	9.63	15.20	-31.17	46.37	Average
9	0.598	11.76	9.64	21.40	-34.60	56.00	QP
10	0.598	8.16	9.64	17.80	-28.20	46.00	Average
11	23.470	10.32	10.08	20.40	-39.60	60.00	QP
12	23.470	4.02	10.08	14.10	-35.90	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = LISN Factor (dB)+ Cable Loss (dB).
3. Measurement(dBμV) = Reading(dBμV) + C.F (Correction Factor).

5.2. 功率限制值

5.2.1. 適用標準

1. 使用於5.15 GHz~5.25 GHz 頻段

(1)供戶外操作使用:

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(C)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(D)在水平面仰角超過30 度時，其最大EIRP 應小於或等於21 dBm。

(2)供室內操作使用:

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(C)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3)供固定式點對點操作使用:

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(C)使用超過23 dBi 方向增益之指向性天線時，應依超過23 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(D)固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4)供用戶端裝置(Client Device)操作使用:

(A)最大傳導輸出功率應小於或等於250 mW。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

(C)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 使用頻率於5.25 GHz~5.35 GHz 與5.470 GHz~5.725 GHz 頻段

(1)最大傳導輸出功率應小於或等於250 mW或 $11\text{dBm}+10\log B$ (B 是26 dB發射頻寬，單位MHz)之較小者。

(2)最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(3)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

3. 使用頻率於5.725 GHz~5.850 GHz 頻段

(1)最大傳導輸出功率應小於或等於1 W。

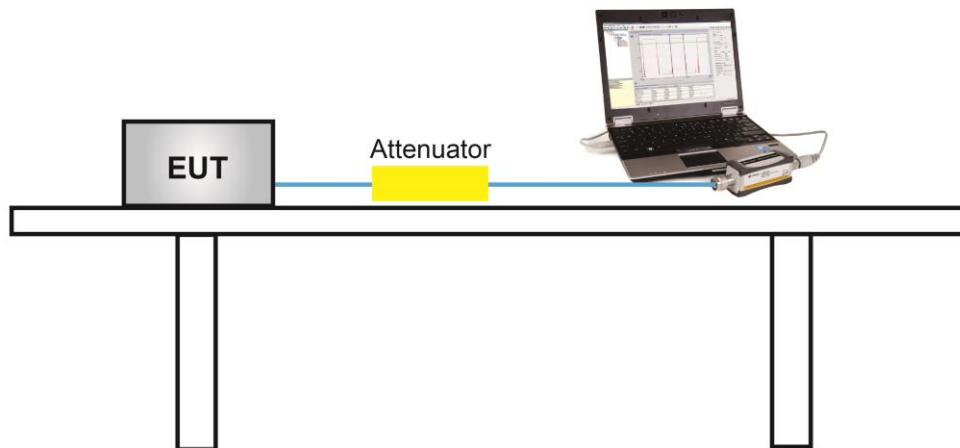
(2)在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

(3)供固定式點對點操作時，使用方向增益超過 6 dBi 之發射天線，可不需(4)除(3)外，使用超過 6 dBi 方向增益之發射天線時，應依超過 6 dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

5.2.2. 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，峰值發射功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制(如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等)調整得出正確之峰值量測或使用峰值功率表。

5.2.3. 測試架構圖



5.2.4. 功率限制值測試結果

Product	AC1200 完整家庭 Mesh Wi-Fi 系統	Temperature	15~22°C
Test Engineer	Eric Lin	Relative Humidity	45~55%
Test Site	SR2	Test Date	2021/12/09~2021/12/15

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)	Result
				Ant 0	Ant 1			
11a	6Mbps	36	5180	20.23	20.03	23.14	≤ 30.00	Pass
11a	6Mbps	44	5220	23.69	22.53	26.16	≤ 30.00	Pass
11a	6Mbps	48	5240	23.98	22.56	26.34	≤ 30.00	Pass
11a	6Mbps	149	5745	22.71	22.79	25.76	≤ 30.00	Pass
11a	6Mbps	157	5785	23.45	23.49	26.48	≤ 30.00	Pass
11a	6Mbps	165	5825	23.98	22.98	26.52	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	20.95	20.35	23.67	≤ 30.00	Pass
11ac-VHT20	MCS0	40	5220	23.91	22.99	26.48	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	24.02	23.16	26.62	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	23.19	22.88	26.05	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	23.78	23.71	26.76	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	24.23	23.52	26.90	≤ 30.00	Pass
11ac-VHT40	MCS0	38	5190	17.42	17.30	20.37	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	23.90	22.79	26.39	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	22.87	22.68	25.79	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	22.69	23.35	26.04	≤ 30.00	Pass
11ac-VHT80	MCS0	42	5210	15.05	14.79	17.93	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	23.37	22.98	26.19	≤ 30.00	Pass

Note: The Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

5.3. 天線之要求

5.3.1. 適用標準

低功率射頻器材之發射機或收發信機所使用之天線，應為全固定、半固定式或以獨特之耦合(unique coupling)方式連接機體。製造者可設計供使用者因損壞而替換之天線，但不得設計或使用原認證以外之天線或可供引接各類電纜之標準天線插座或電氣連接頭，如：BNC、F type、N type、M type、UG type、RCA、SMA、SMB...等及其他各類工業或通訊標準接頭。

5.3.2. 天線樣式

此AC1200 完整家庭Mesh Wi-Fi 系統其天線為全固定式Monopole Antenna (檢附天線規格書, MFR: tp-link, M/N: M4-ANT)

Antenna Type	Frequency Band (GHz)	Max Peak Gain (dBi)	CDD Directional Gain (dBi)	
			For Power	For PSD
Monopole	2.4 ~ 2.5	1.5	1.5	4.51
	5.15 ~ 5.25	1.0	1.0	4.01
	5.725 ~ 5.85	1.0	1.0	4.01

Note: The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

For CDD transmissions, directional gain is calculated as follows, $N_{ANT} = 2$, $N_{SS} = 1$.

If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log (N_{ANT} / N_{SS})$ dB = 3.01;
- For power measurements on IEEE 802.11 devices,
Array Gain = 0 dB for $N_{ANT} \leq 4$;

5.4. 26dB 佔用頻寬

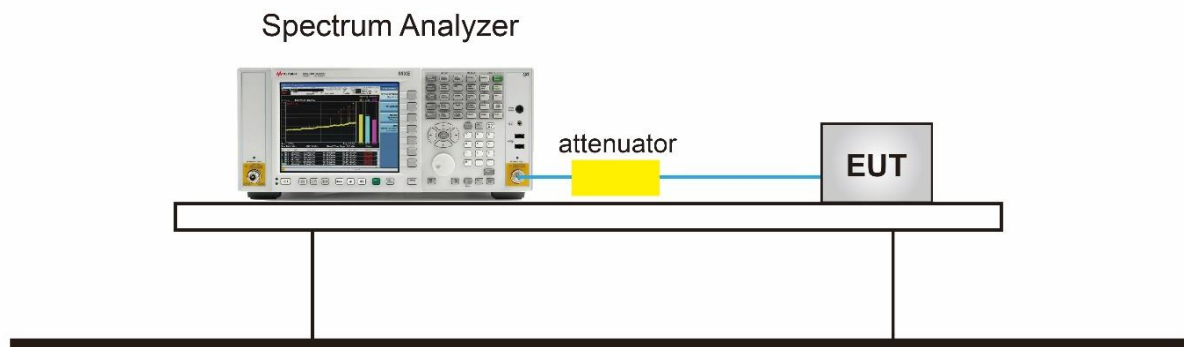
5.4.1.適用標準

N/A

5.4.2.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，峰值發射功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制(如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等)調整得出正確之峰值量測或使用峰值功率表。

5.4.3.測試架構圖



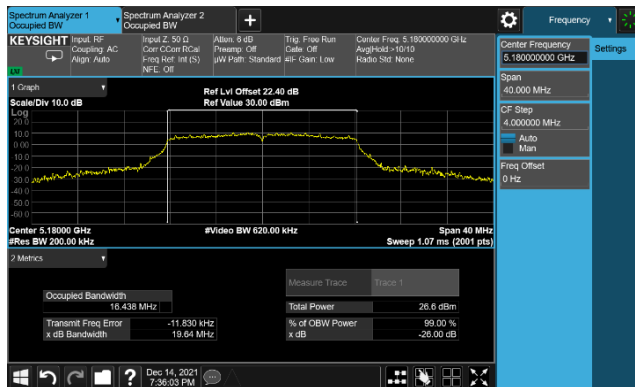
5.4.4.26dB 佔用頻寬測試結果

待測物名稱	AC1200 完整家庭 Mesh Wi-Fi 系統	溫度	19~24°C
測試工程師	Eric Lin	濕度	58~61%
測試場地	SR2	測試日期	2021/12/14~2021/12/19

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
802.11a	6Mbps	36	5180	19.64	16.44
802.11a	6Mbps	44	5220	20.78	16.53
802.11a	6Mbps	48	5240	27.21	16.69
802.11a	6Mbps	149	5745	30.70	16.90
802.11a	6Mbps	157	5785	32.93	17.83
802.11a	6Mbps	165	5825	32.60	17.99
802.11ac-VHT20	MCS0	36	5180	19.91	17.57
802.11ac-VHT20	MCS0	44	5220	35.97	18.83
802.11ac-VHT20	MCS0	48	5240	35.76	18.74
802.11ac-VHT20	MCS0	149	5745	26.86	17.85
802.11ac-VHT20	MCS0	157	5785	29.56	17.97
802.11ac-VHT20	MCS0	165	5825	35.83	18.82
802.11ac-VHT40	MCS0	38	5190	39.97	35.96
802.11ac-VHT40	MCS0	46	5230	73.13	37.46
802.11ac-VHT40	MCS0	151	5755	55.73	36.42
802.11ac-VHT40	MCS0	159	5795	66.01	36.58
802.11ac-VHT80	MCS0	42	5210	80.86	75.21
802.11ac-VHT80	MCS0	155	5775	114.7	75.76

802.11a 26dB Bandwidth & 99% Bandwidth

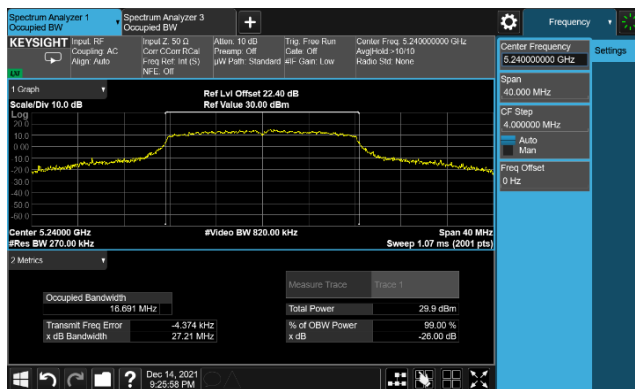
Channel 36 (5180MHz)



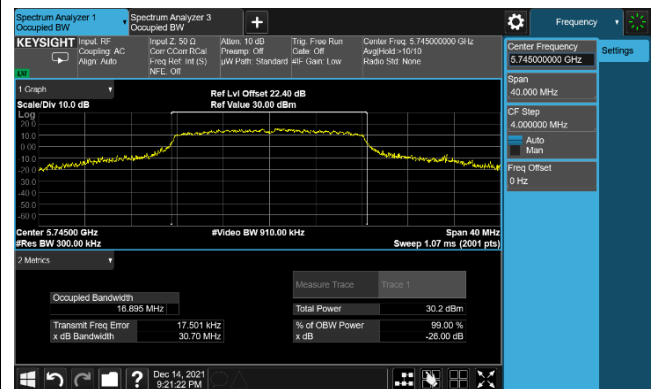
Channel 44 (5220MHz)



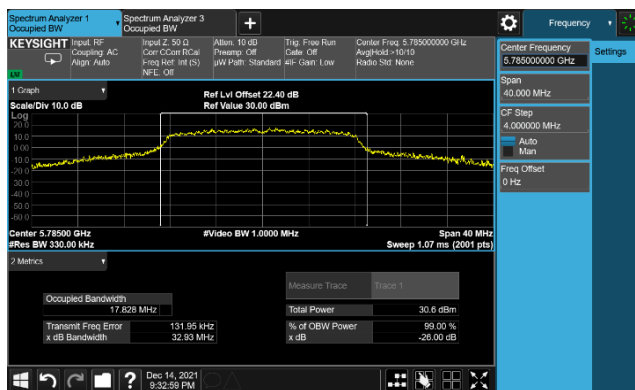
Channel 48 (5240MHz)



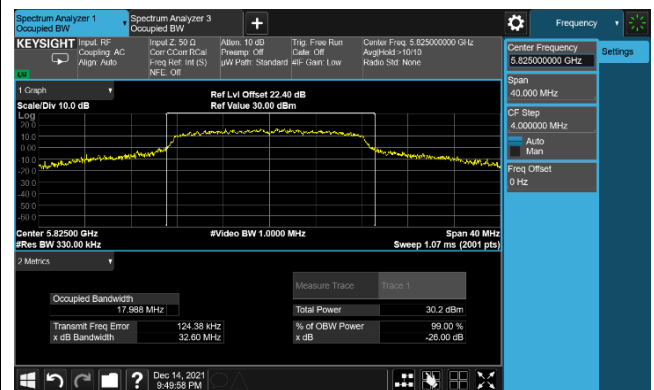
Channel 149 (5745MHz)



Channel 157 (5785MHz)

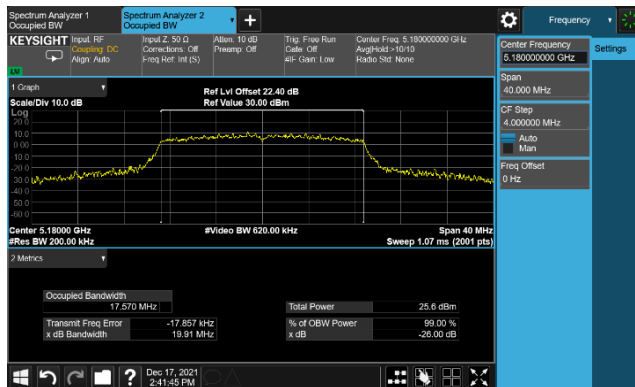


Channel 165 (5825MHz)

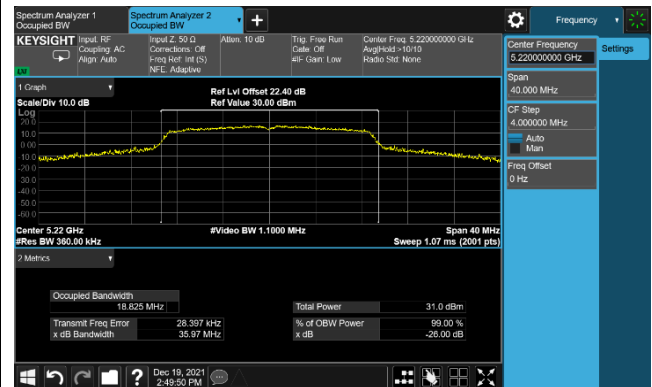


802.11ac-VHT20 26dB Bandwidth & 99% Bandwidth

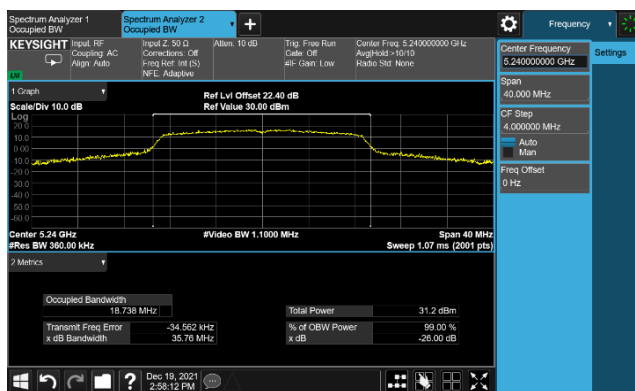
Channel 36 (5180MHz)



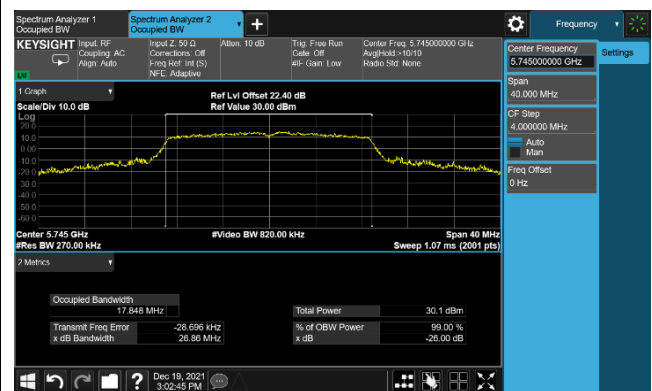
Channel 44 (5220MHz)



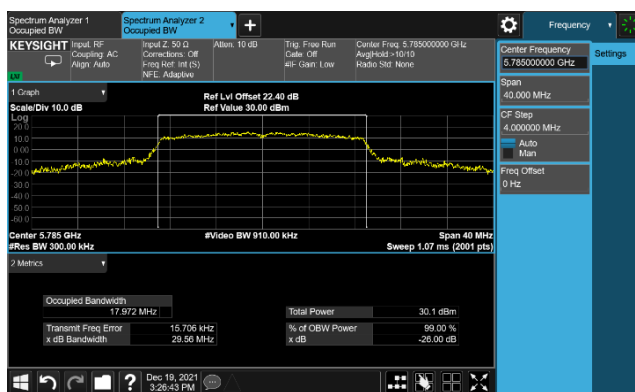
Channel 48 (5240MHz)



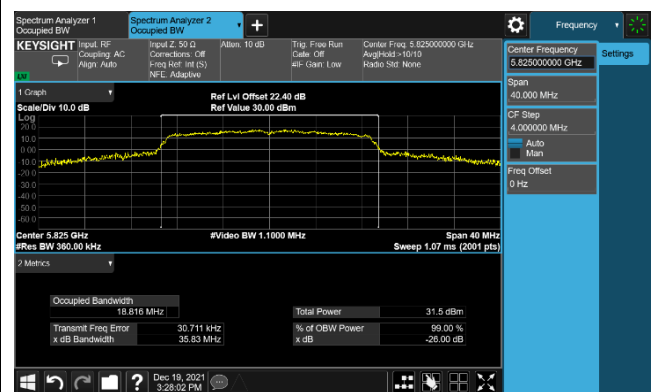
Channel 149 (5745MHz)



Channel 157 (5785MHz)

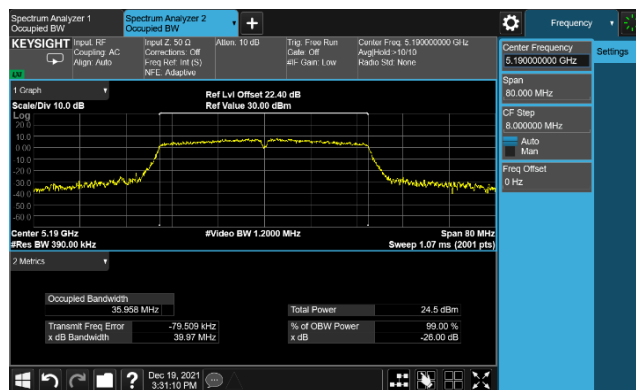


Channel 165 (5825MHz)

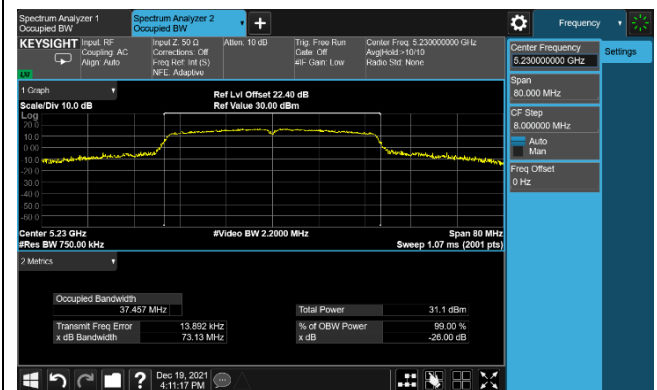


802.11ac-VHT40 26dB Bandwidth & 99% Bandwidth

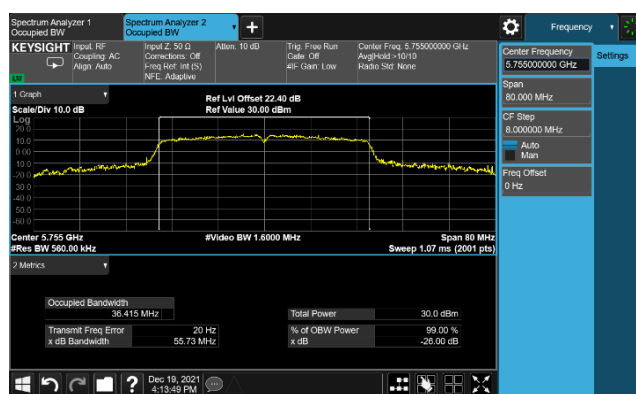
Channel 38 (5190MHz)



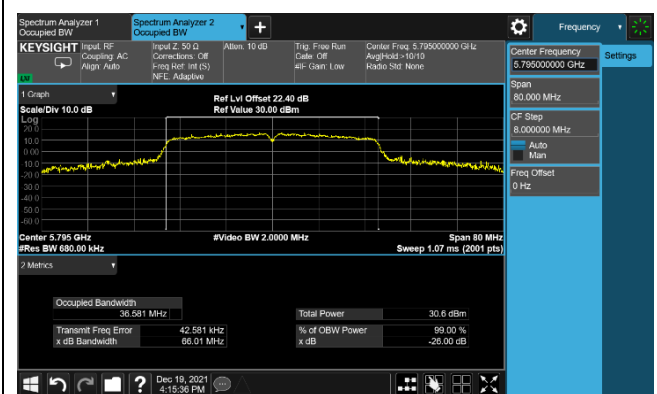
Channel 46 (5230MHz)



Channel 151 (5755MHz)

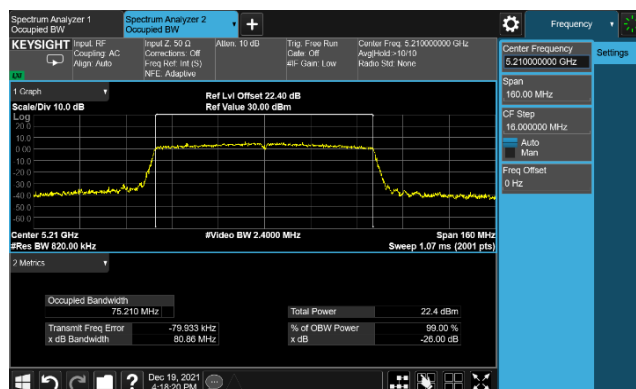


Channel 159 (5795MHz)

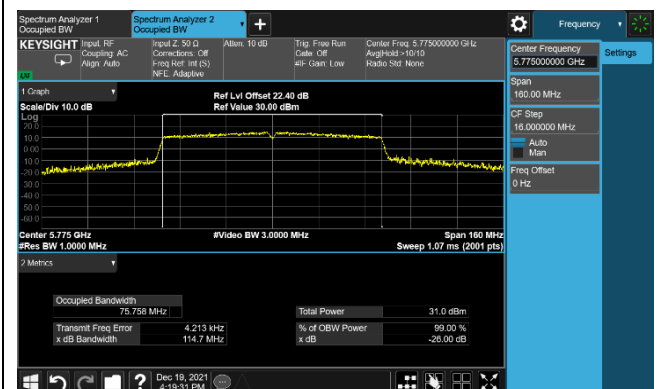


802.11ac-VHT80 26dB Bandwidth & 99% Bandwidth

Channel 42 (5210MHz)



Channel 155 (5775MHz)



5.5. 6dB 佔用頻寬

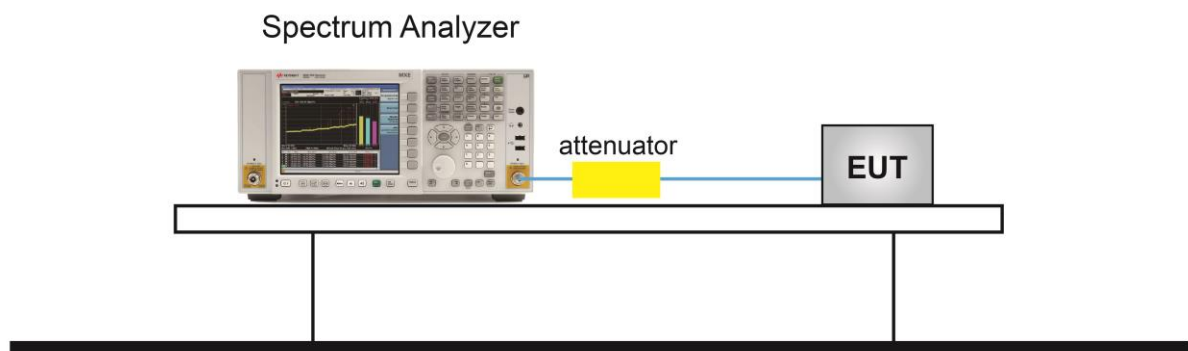
5.5.1.適用標準

在 5.725 GHz~5.850 GHz 頻段操作之設備，其 6 dB 頻寬至少應有 500 kHz。

5.5.2.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，峰值發射功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制(如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等)調整得出正確之峰值量測或使用峰值功率表。

5.5.3.測試架構圖



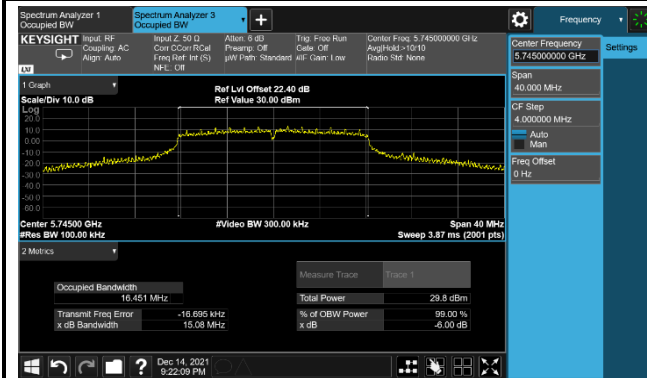
5.5.4.6dB 佔用頻寬測試結果

待測物名稱	AC1200 完整家庭 Mesh Wi-Fi 系統	溫度	15~22°C
測試工程師	Eric Lin	濕度	45~55%
測試場地	SR2	測試日期	2021/12/15~2021/12/19
模式	U-NII-3		

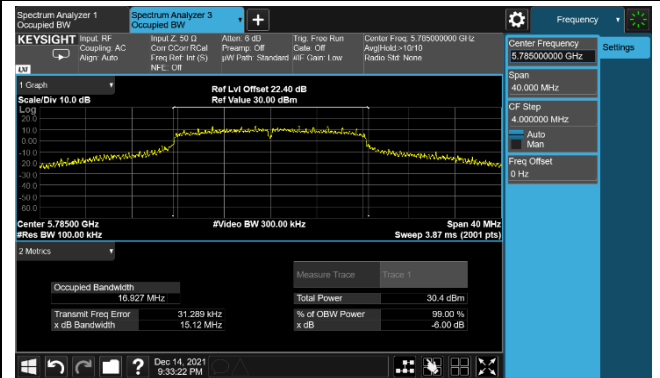
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11a	6Mbps	149	5745	15.08	≥ 0.5	Pass
802.11a	6Mbps	157	5785	15.12	≥ 0.5	Pass
802.11a	6Mbps	165	5825	15.12	≥ 0.5	Pass
802.11ac-VHT20	MCS0	149	5745	15.05	≥ 0.5	Pass
802.11ac-VHT20	MCS0	157	5785	15.15	≥ 0.5	Pass
802.11ac-VHT20	MCS0	165	5825	14.18	≥ 0.5	Pass
802.11ac-VHT40	MCS0	151	5755	35.13	≥ 0.5	Pass
802.11ac-VHT40	MCS0	159	5795	32.59	≥ 0.5	Pass
802.11ac-VHT80	MCS0	155	5775	75.11	≥ 0.5	Pass

802.11a 6dB Bandwidth

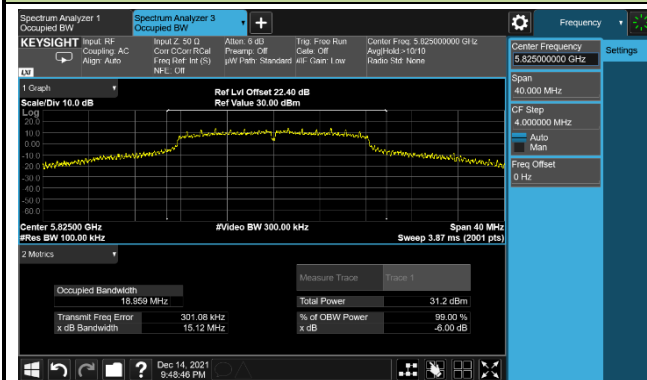
Channel 149 (5745MHz)



Channel 157 (5785MHz)

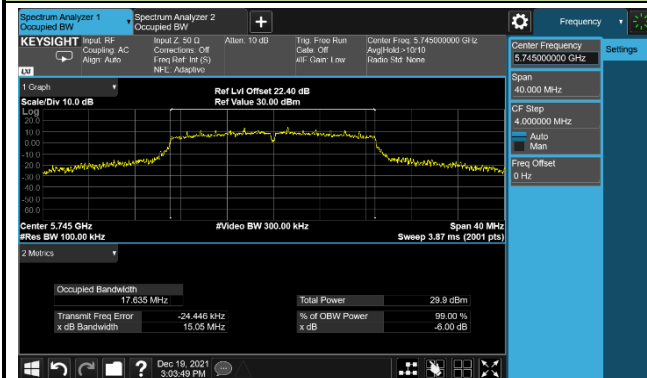


Channel 165 (5825MHz)

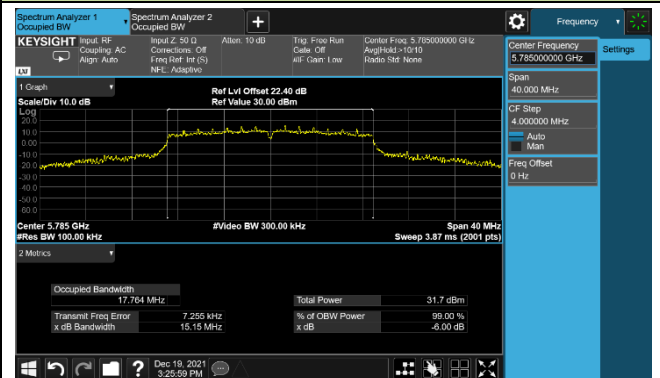


802.11ac-VHT20 6dB Bandwidth

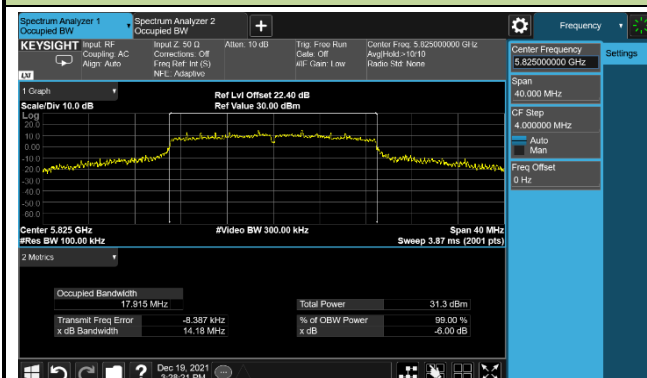
Channel 149 (5745MHz)



Channel 157 (5785MHz)

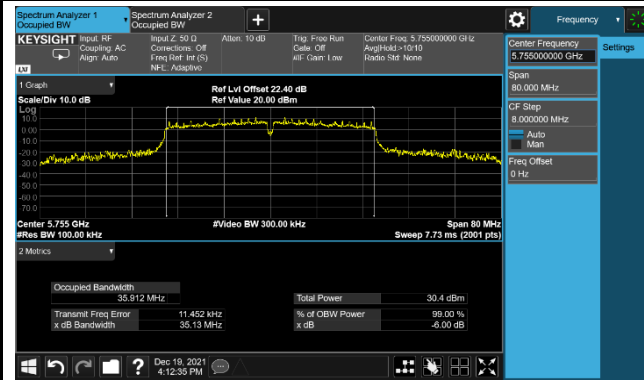


Channel 165 (5825MHz)

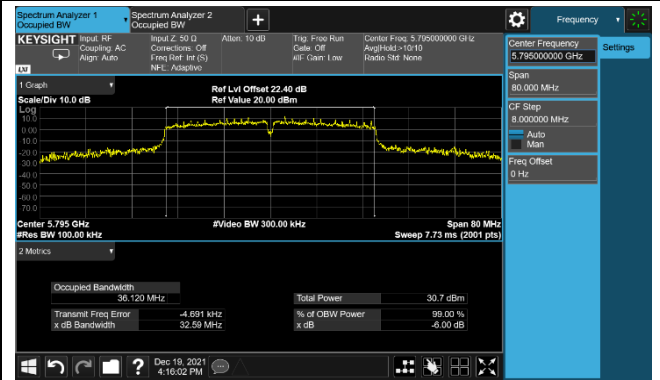


802.11ac-VHT40 6dB Bandwidth

Channel 151 (5755MHz)

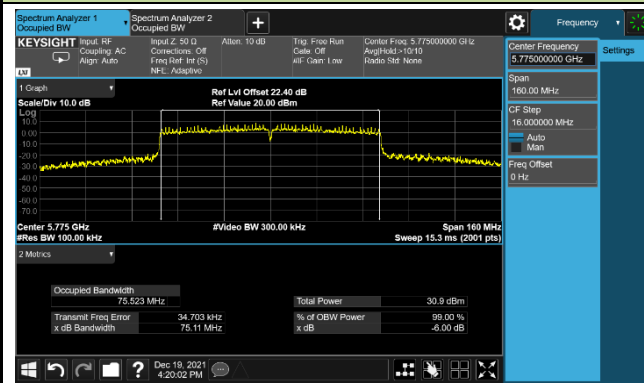


Channel 159 (5795MHz)



802.11ac-VHT80 6dB Bandwidth

Channel 155 (5775MHz)



5.6. 最大功率頻譜密度

5.6.1. 適用標準

1. 使用於5.15 GHz~5.25 GHz 頻段

(1)供戶外操作使用:在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(2)供室內操作使用:

(A)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(B)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(3)供固定式點對點操作使用:

(A) 在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

(B)使用超過23 dBi 方向增益之指向性天線時，應依超過23 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

(C)固定式點對點操作，不包括點對多點系統、全方向性應用及多台共站發射機傳送相同資訊。

(4)供用戶端裝置(Client Device)操作使用:

(A)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

(B)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

2. 使用頻率於5.25 GHz~5.35 GHz 與5.470 GHz~5.725 GHz 頻段

(1)最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(2)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

3. 使用頻率於5.725 GHz~5.850 GHz 頻段

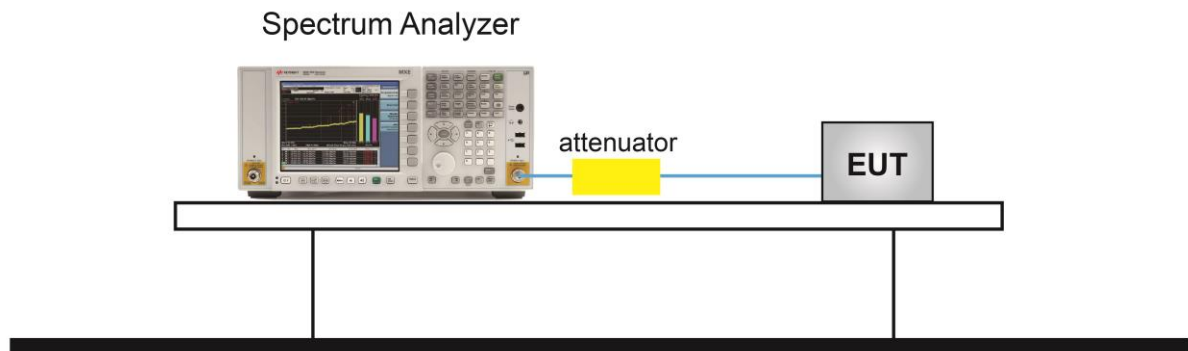
(1)在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

(2)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需(4)除(3)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

5.6.2. 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，量測定於1MHz/510kHz頻寬。

5.6.3.測試架構圖



5.6.4.峰值功率頻譜密度測試結果

待測物名稱	AC1200 完整家庭 Mesh Wi-Fi 系統	溫度	20°C
測試工程師	Eric Lin	濕度	50%
測試場地	SR2	測試日期	2021/12/19
模式	Power Spectral Density (U-NII -1)		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	PSD (dBm/MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	36	5180	10.34	9.38	95.81	13.08	≤ 17.00	Pass
11a	6Mbps	44	5220	13.32	11.91	95.81	15.87	≤ 17.00	Pass
11a	6Mbps	48	5240	13.28	11.80	95.81	15.80	≤ 17.00	Pass
11ac-VHT20	MCS0	36	5180	10.10	9.24	95.43	12.90	≤ 17.00	Pass
11ac-VHT20	MCS0	44	5220	13.43	11.94	95.43	15.96	≤ 17.00	Pass
11ac-VHT20	MCS0	48	5240	12.92	11.90	95.43	15.65	≤ 17.00	Pass
11ac-VHT40	MCS0	38	5190	4.32	3.81	91.63	7.46	≤ 17.00	Pass
11ac-VHT40	MCS0	46	5230	10.22	9.24	91.63	13.15	≤ 17.00	Pass
11ac-VHT80	MCS0	42	5210	-1.57	-2.02	84.38	1.96	≤ 17.00	Pass

Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/MHz).

When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

待測物名稱	AC1200 完整家庭 Mesh Wi-Fi 系統	溫度	20°C
測試工程師	Eric Lin	濕度	50%
測試場地	SR2	測試日期	2021/12/19
模式	Power Spectral Density (U-NII-3)		

Test Mode	Data Rate/ MCS	Ch. No.	Freq. (MHz)	PSD (dBm/510kHz)		Duty Cycle (%)	Total PSD (dBm/ 510kHz)	Limit (dBm/ 500kHz)	Result
				Ant 0	Ant 1				
11a	6Mbps	149	5745	10.28	9.85	95.81	13.26	≤ 30.00	Pass
11a	6Mbps	157	5785	11.41	10.96	95.81	14.39	≤ 30.00	Pass
11a	6Mbps	165	5825	11.69	11.15	95.81	14.62	≤ 30.00	Pass
11ac-VHT20	MCS0	149	5745	10.34	9.75	95.43	13.27	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	11.03	10.91	95.43	14.18	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	11.45	10.90	95.43	14.40	≤ 30.00	Pass
11ac-VHT40	MCS0	151	5755	7.01	6.67	91.63	10.23	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	7.92	7.97	91.63	11.34	≤ 30.00	Pass
11ac-VHT80	MCS0	155	5775	3.81	3.62	84.38	7.46	≤ 30.00	Pass

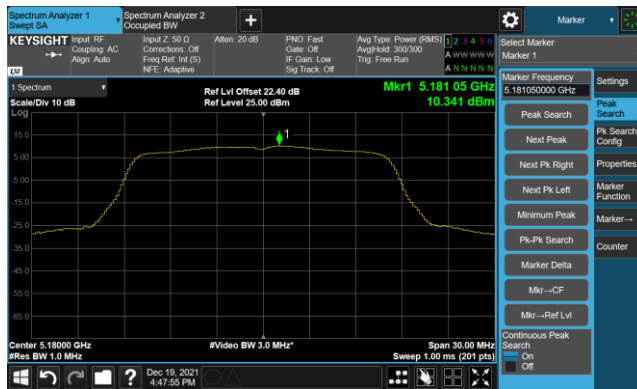
Note 1: When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz)

When EUT duty cycle < 98%, the total PSD (dBm/510kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/510kHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

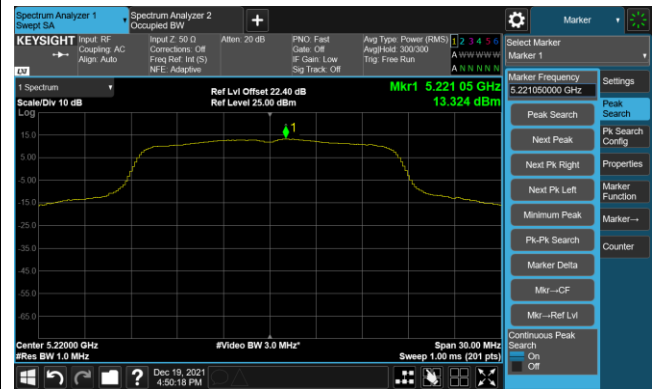
Note 2: PSD Limit (dBm/500kHz) = 30 dBm/500kHz.

802.11a Power Spectral Density – Ant 0

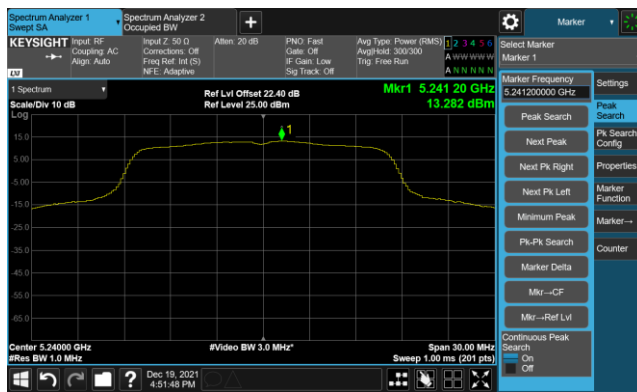
Channel 36 (5180MHz)



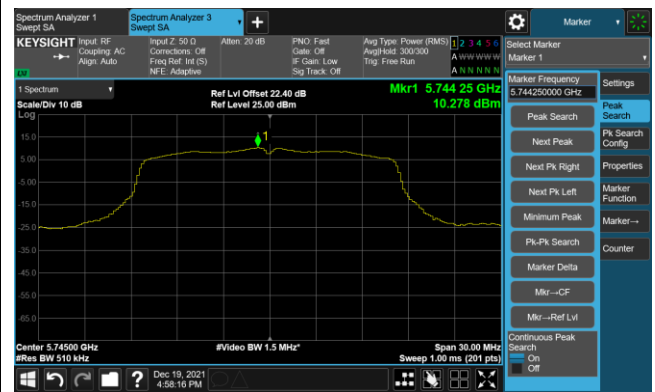
Channel 44 (5220MHz)



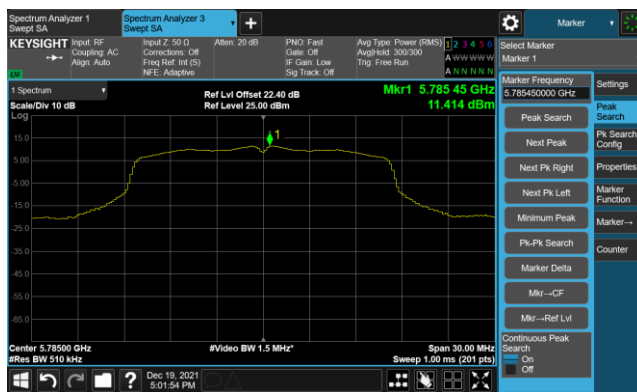
Channel 48 (5240MHz)



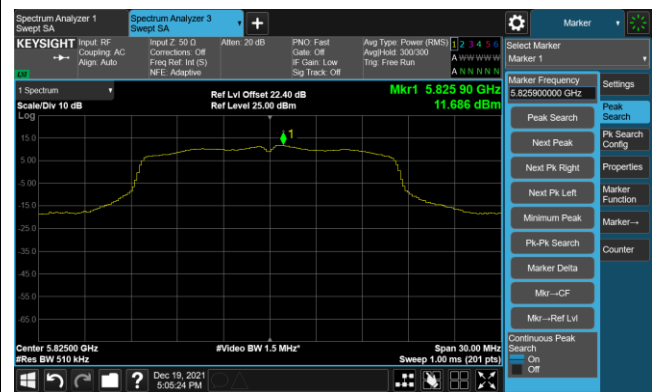
Channel 149 (5745MHz)



Channel 157 (5785MHz)

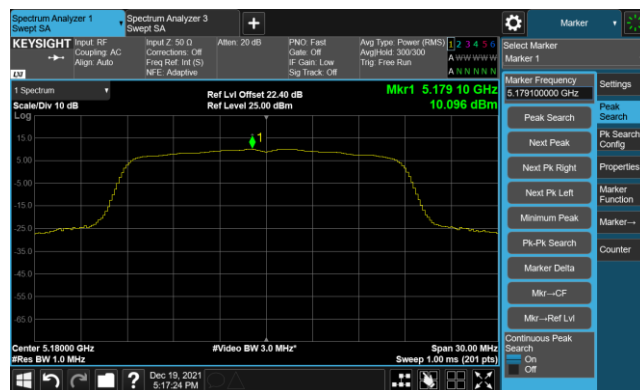


Channel 165 (5825MHz)

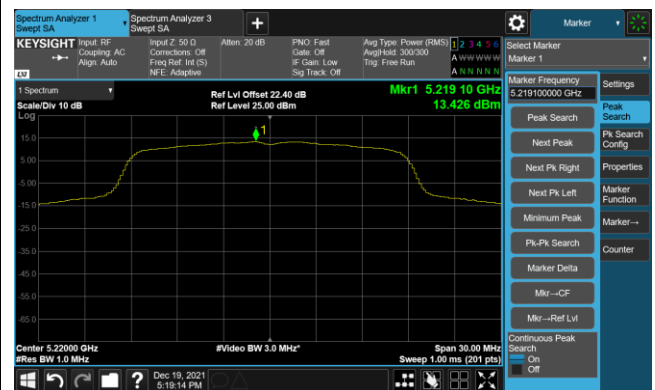


802.11ac-VHT20 Power Spectral Density – Ant 0

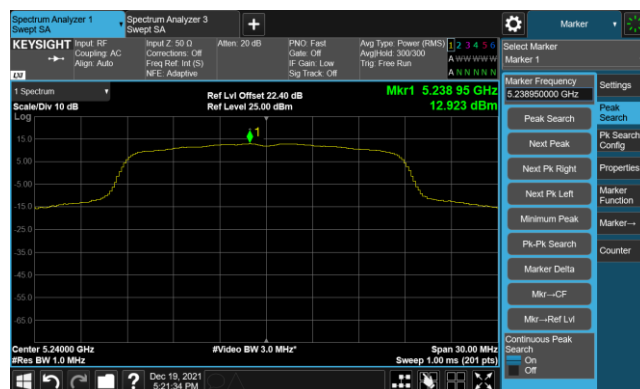
Channel 36 (5180MHz)



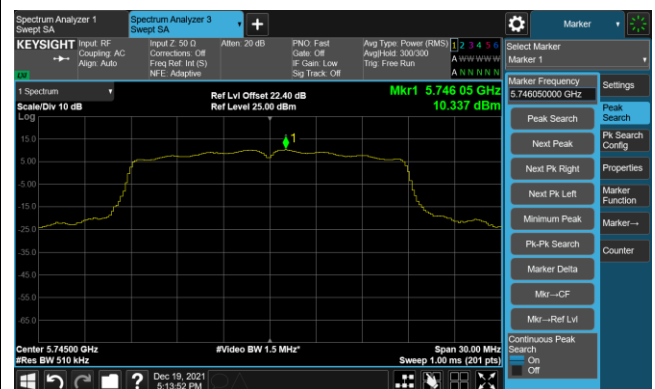
Channel 44 (5220MHz)



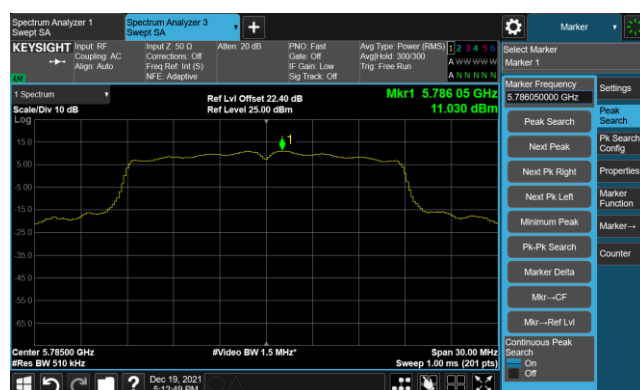
Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

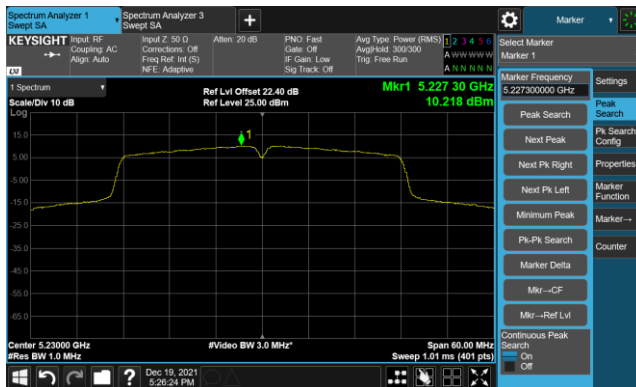


Channel 165 (5825MHz)

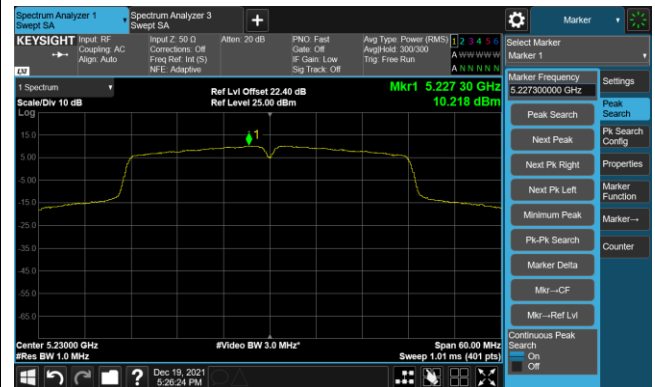


802.11ac-VHT40 Power Spectral Density – Ant 0

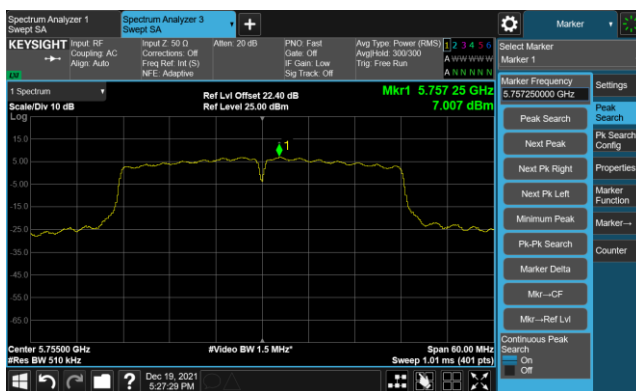
Channel 38 (5190MHz)



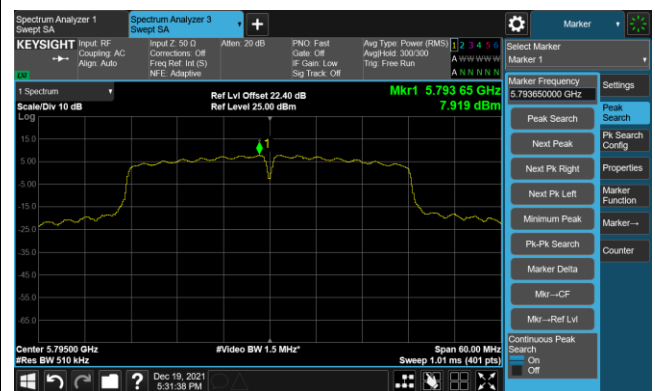
Channel 46 (5230MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)

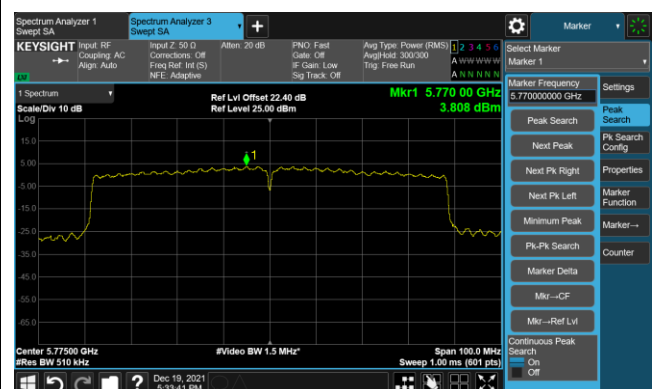


802.11ac-VHT80 Power Spectral Density – Ant 0

Channel 42 (5210MHz)

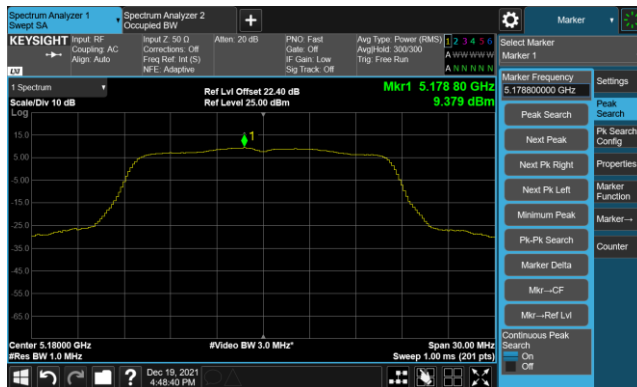


Channel 155 (5775MHz)

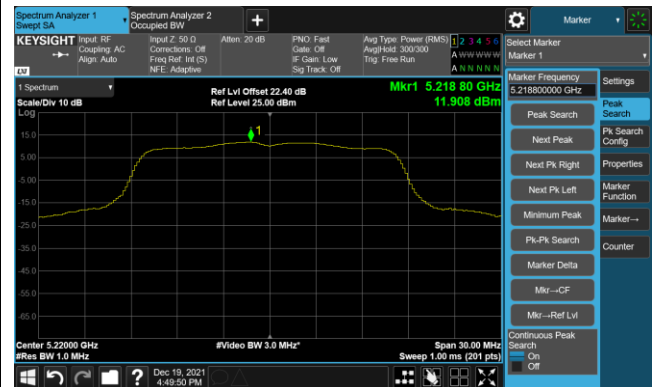


802.11a Power Spectral Density – Ant 1

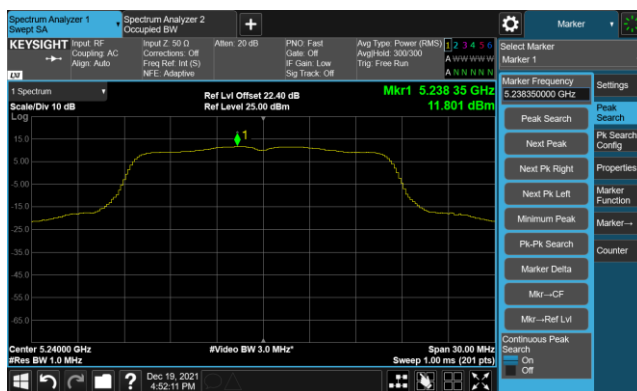
Channel 36 (5180MHz)



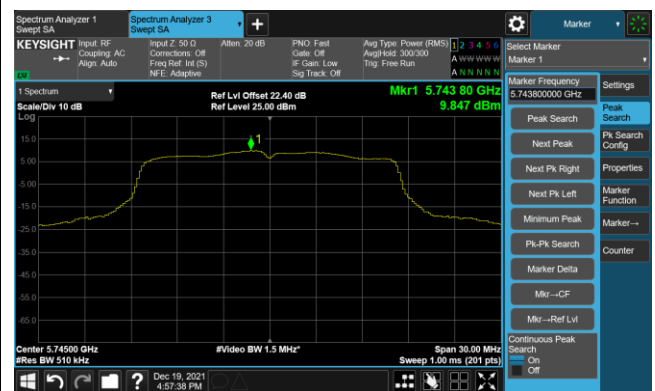
Channel 44 (5220MHz)



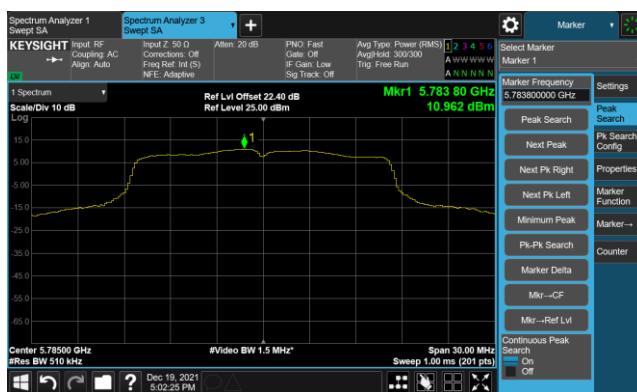
Channel 48 (5240MHz)



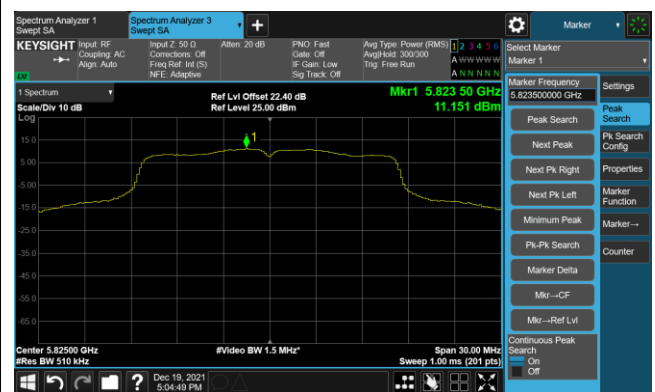
Channel 149 (5745MHz)



Channel 157 (5785MHz)

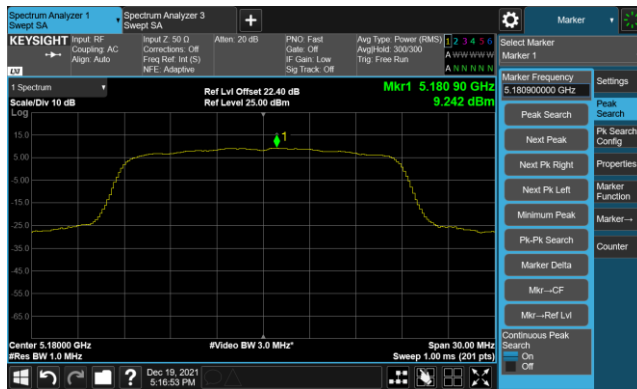


Channel 165 (5825MHz)

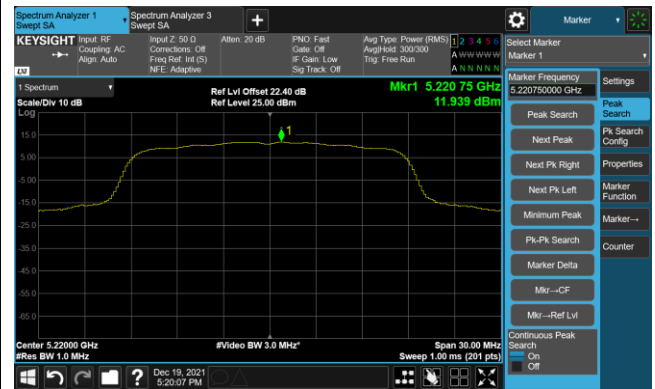


802.11ac-VHT20 Power Spectral Density – Ant 1

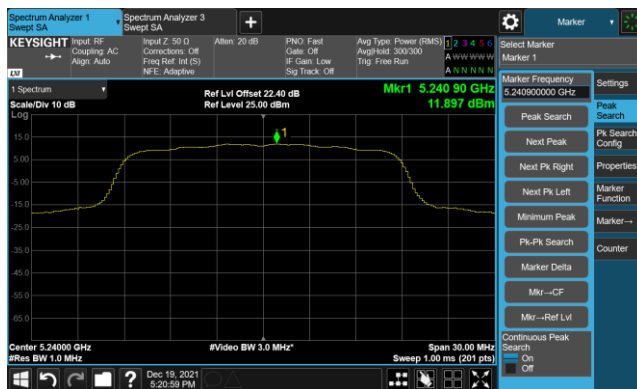
Channel 36 (5180MHz)



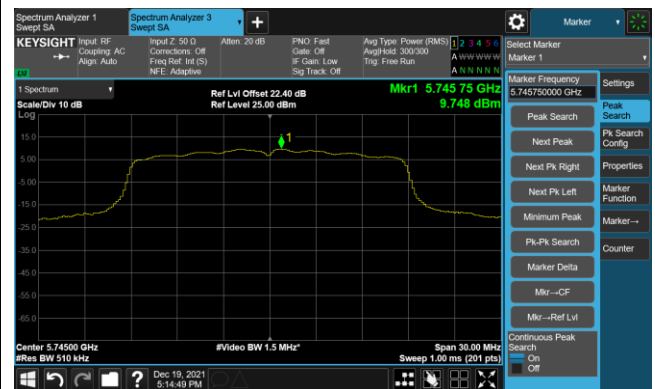
Channel 44 (5220MHz)



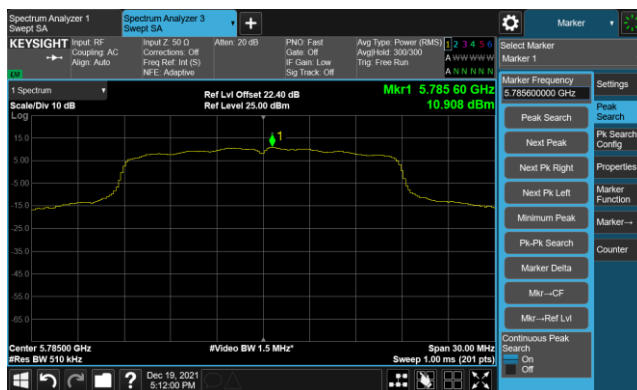
Channel 48 (5240MHz)



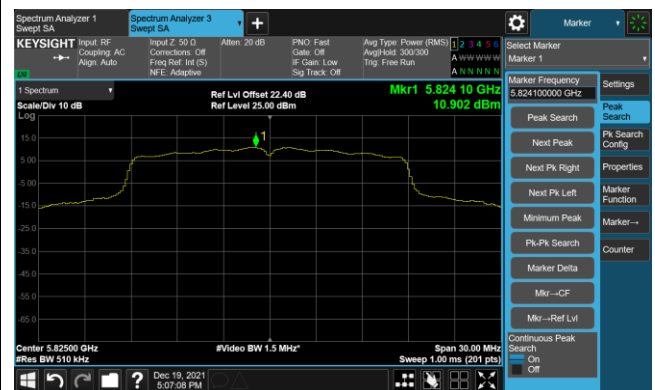
Channel 149 (5745MHz)



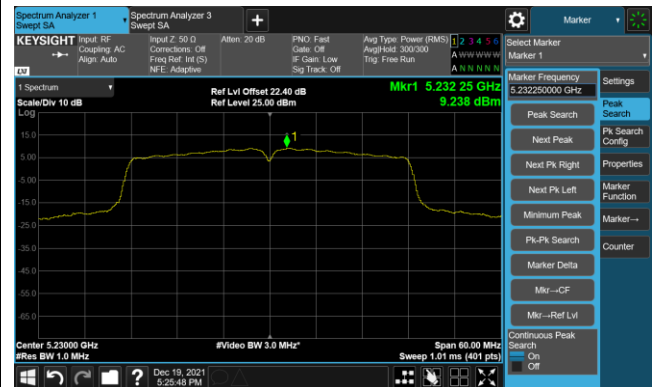
Channel 157 (5785MHz)



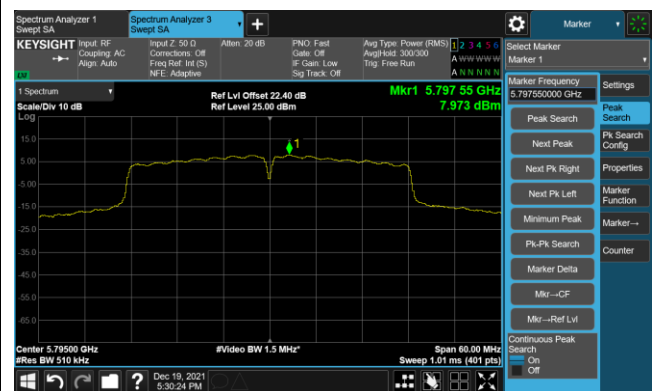
Channel 165 (5825MHz)



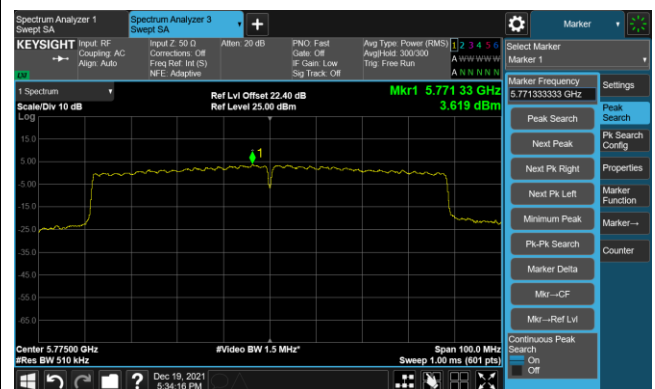
Channel 46 (5230MHz)



Channel 159 (5795MHz)



Channel 155 (5775MHz)

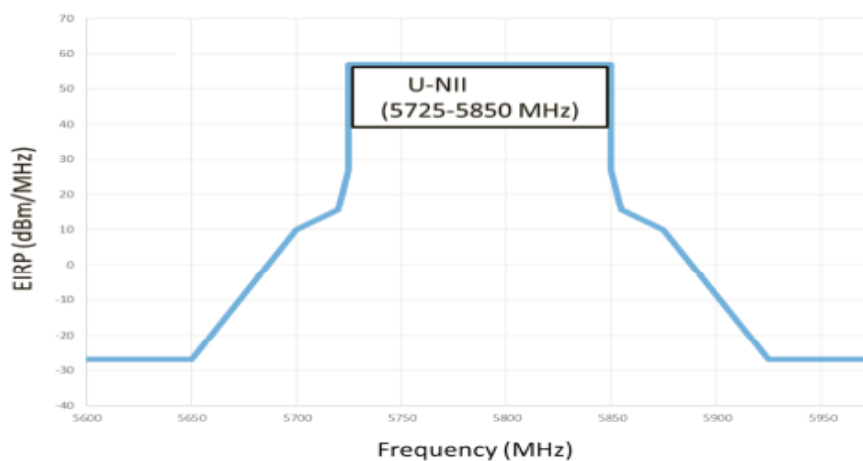


5.7. 操作頻帶外的峰值發射

5.7.1. 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範之第 5.7.3 節：

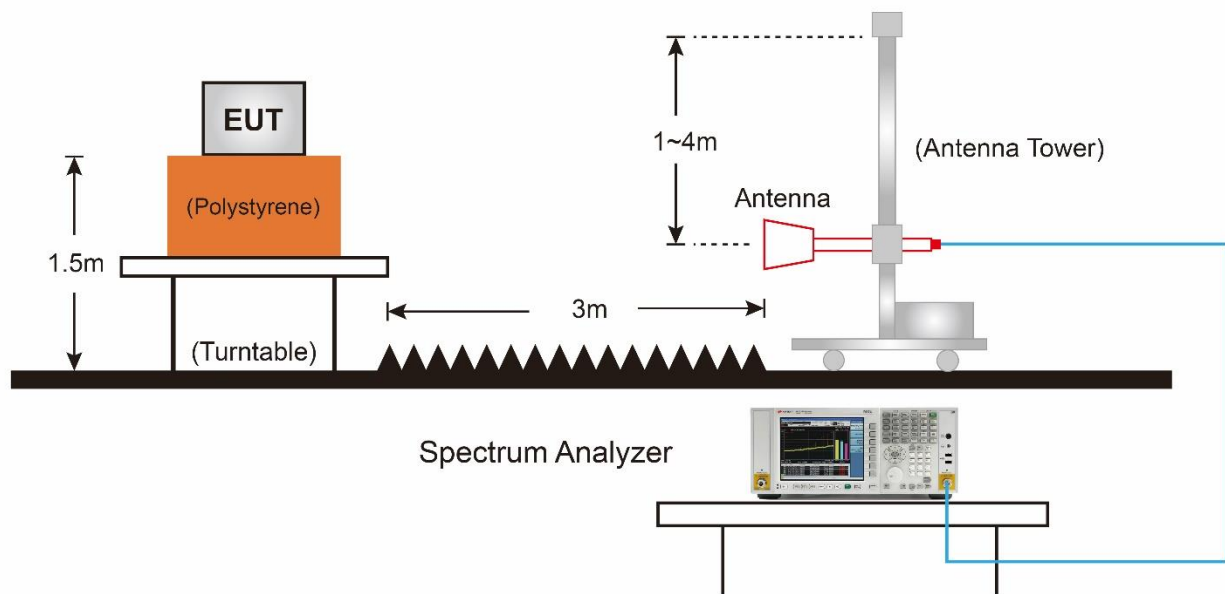
- (1) 在 5.15 GHz~5.35 GHz 及 5.470 GHz~5.725 GHz 頻段操作的發射器：帶外發射之有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。
- (2) 在 5.725 GHz~5.850 GHz 的頻段操作之發射器：所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP) $\leq$ 27 dBm/MHz~15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz~25 MHz，有效等向輻射功率(EIRP) $\leq$ 15.6 dBm/MHz~10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz~75 MHz，有效等向輻射功率(EIRP) $\leq$ 10 dBm/MHz~-27 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 $\geq$ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz；



5.7.2. 量測方法

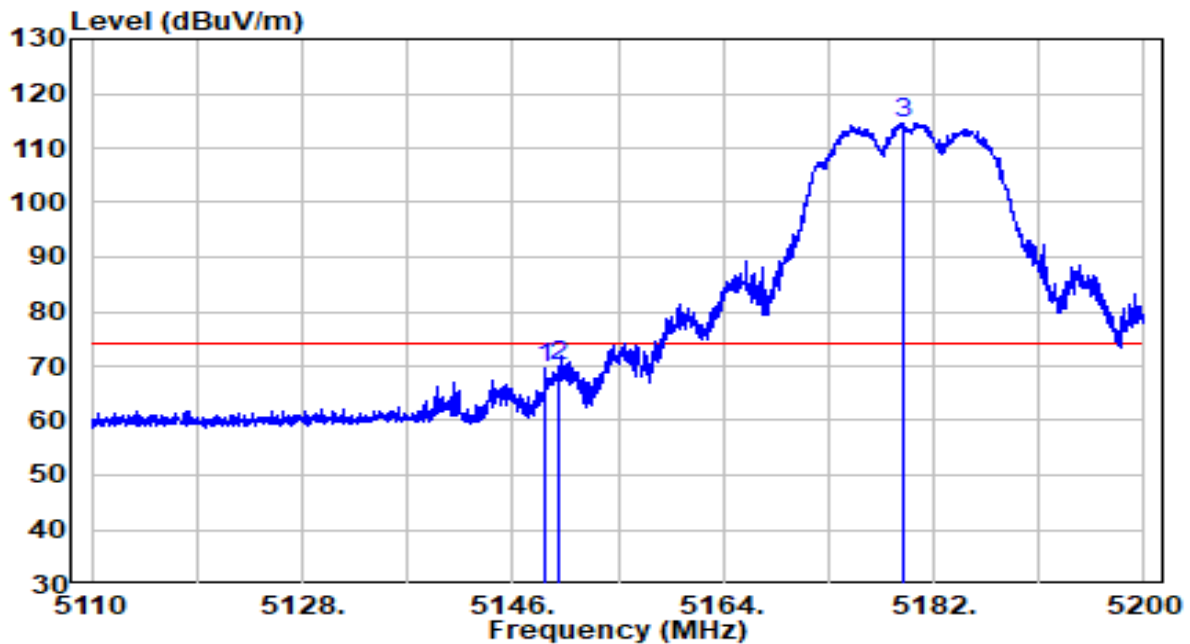
高頻待測物置於高 150 公分之非導體桌面，受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度。接收天線並應於水準及垂直極化方向各量測一次。

5.7.3. 測試架構圖



5.7.4. 操作頻帶外的峰值發射測試結果

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

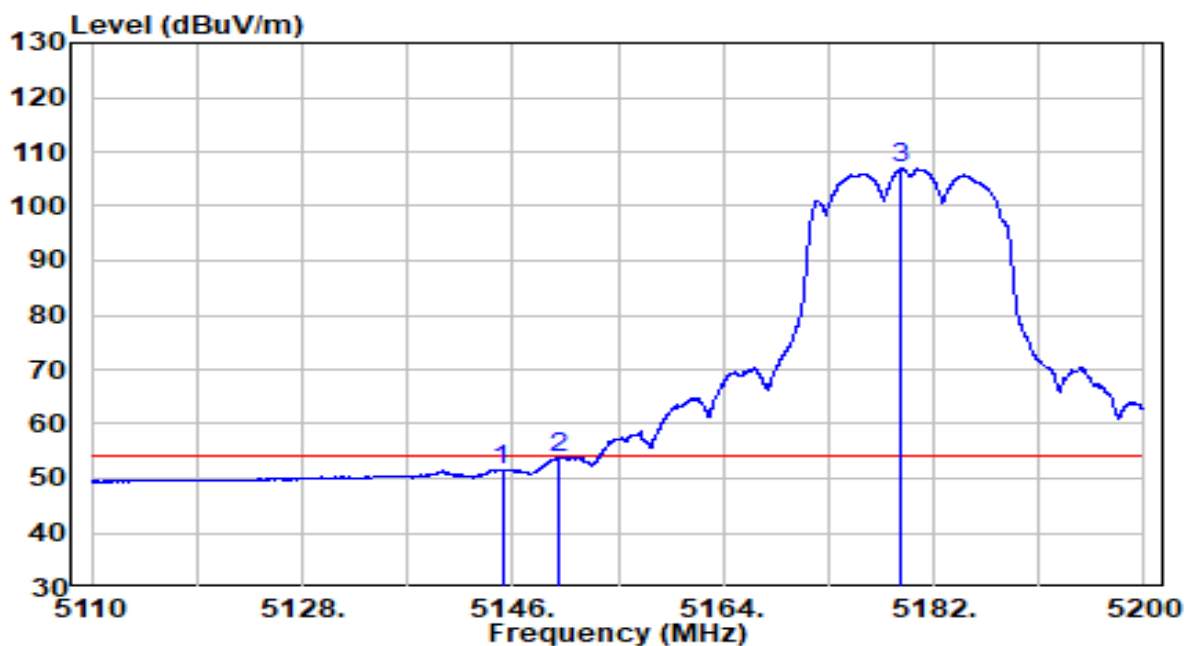


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5148.700	49.37	20.19	69.56	-4.44	74.00	Peak
2	5150.005	49.76	20.20	69.96	-4.04	74.00	Peak
3	* 5179.390	94.46	20.24	114.71	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

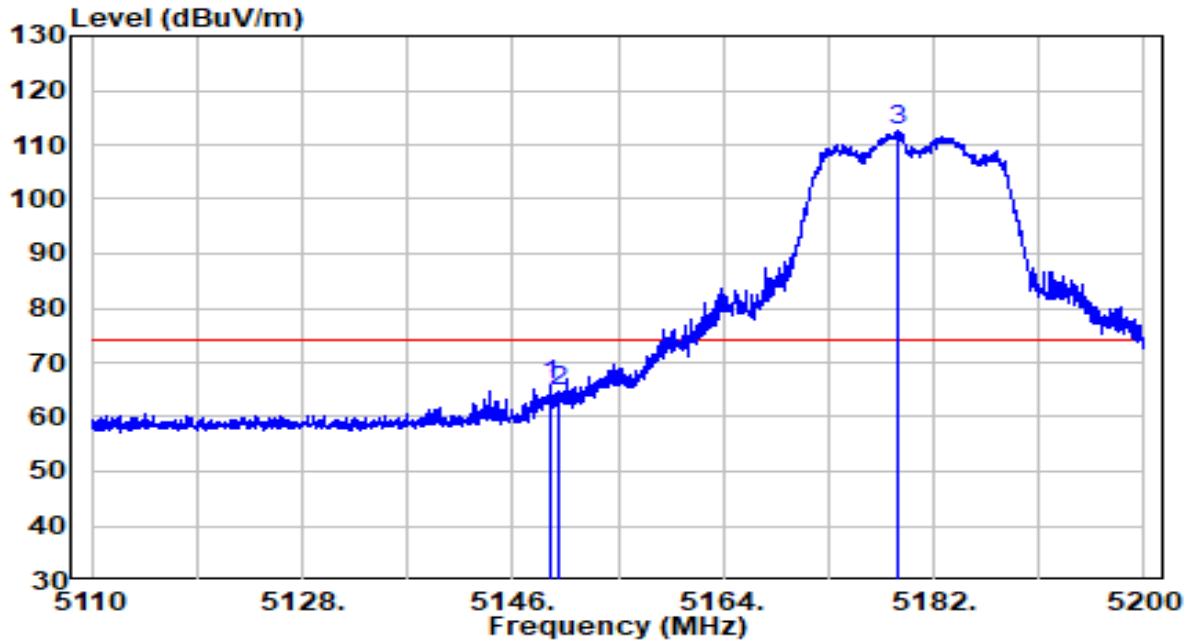


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5145.100	31.49	20.19	51.68	-2.32	54.00	Average
2	5150.005	33.42	20.20	53.62	-0.38	54.00	Average
3	* 5179.255	86.76	20.24	107.00	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

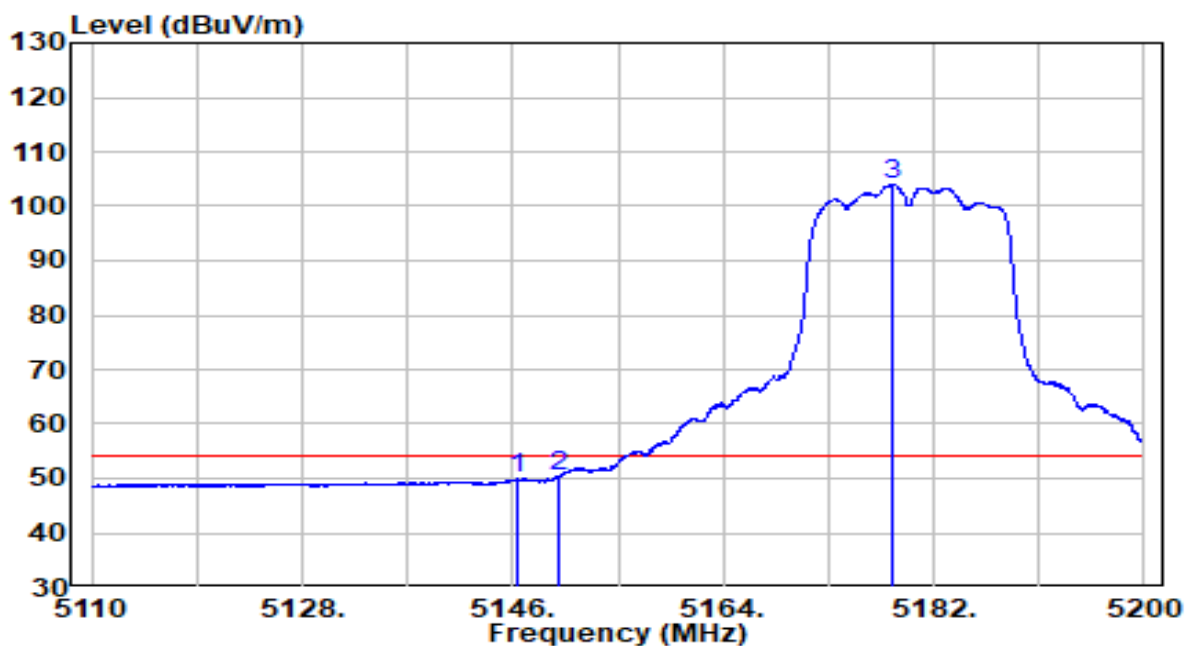


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5149.150	45.79	20.19	65.99	-8.01	74.00	Peak
2	5150.005	44.67	20.20	64.87	-9.13	74.00	Peak
3	* 5178.850	92.44	20.24	112.69	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	110V/60Hz

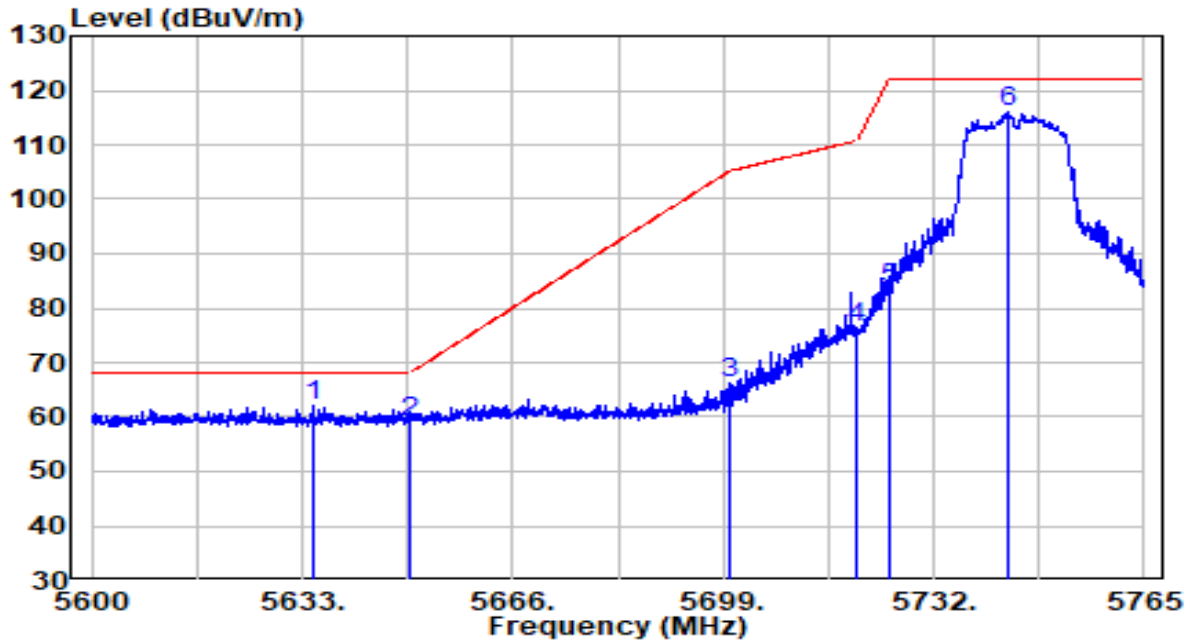


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5146.405	29.86	20.19	50.05	-3.95	54.00	Average
2	5150.000	30.08	20.20	50.28	-3.72	54.00	Average
3	* 5178.490	83.70	20.24	103.95	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5745MHz	Test Voltage	110V/60Hz

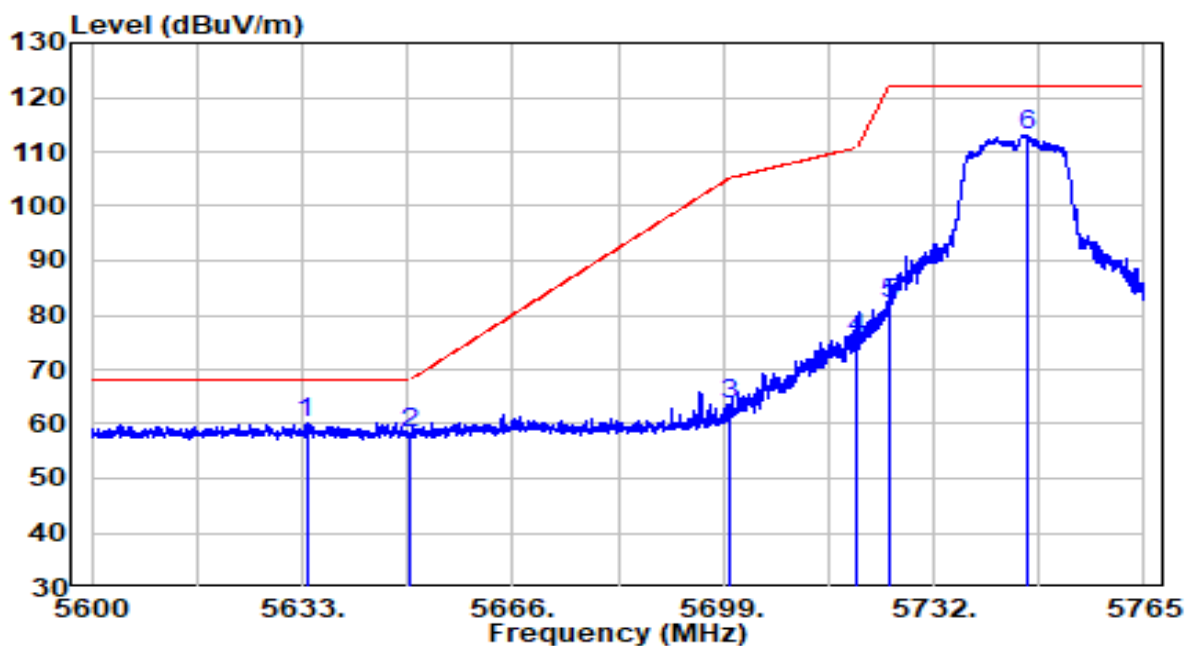


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5634.650	40.87	21.26	62.13	-6.07	68.20	Peak
2		5650.000	37.91	21.32	59.23	-8.97	68.20	Peak
3		5700.000	44.59	21.50	66.09	-39.11	105.20	Peak
4		5720.038	54.88	21.57	76.45	-34.43	110.89	Peak
5		5725.000	62.14	21.59	83.72	-38.48	122.20	Peak
6	*	5743.632	94.30	21.66	115.95	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5745MHz	Test Voltage	110V/60Hz

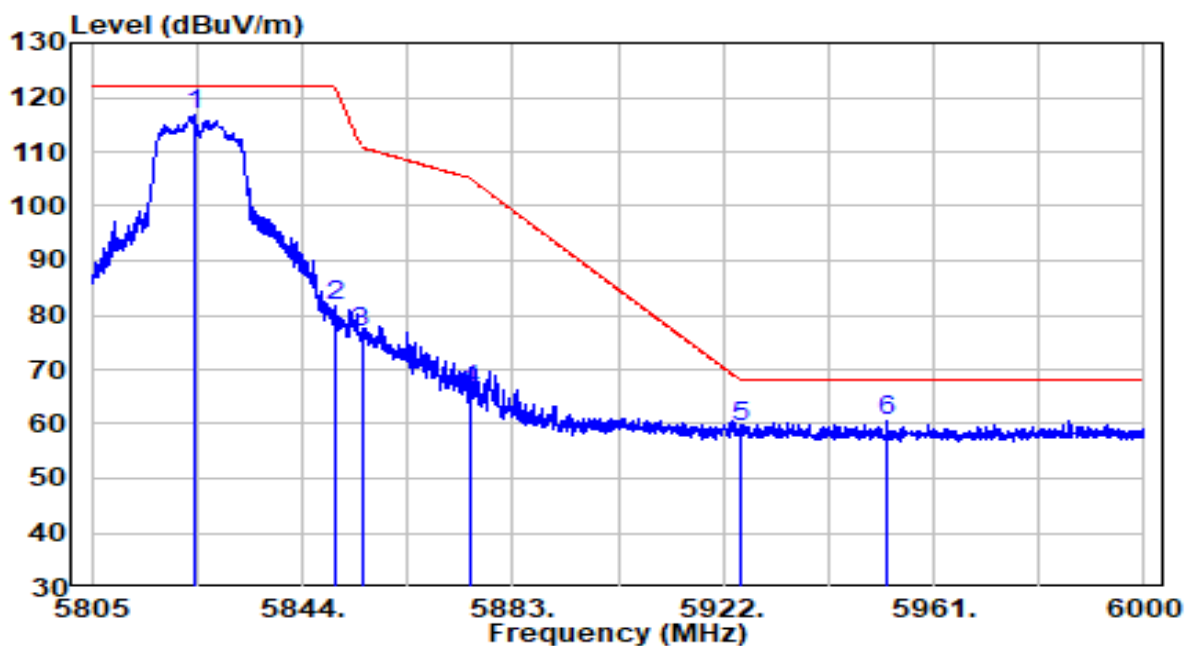


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5633.660	39.09	21.26	60.35	-7.85	68.20	Peak
2		5650.000	36.98	21.32	58.30	-9.90	68.20	Peak
3		5700.000	41.98	21.50	63.48	-41.72	105.20	Peak
4		5720.000	53.91	21.57	75.48	-35.32	110.80	Peak
5		5725.000	60.45	21.59	82.04	-40.16	122.20	Peak
6	*	5746.768	91.49	21.67	113.16	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5825MHz	Test Voltage	110V/60Hz

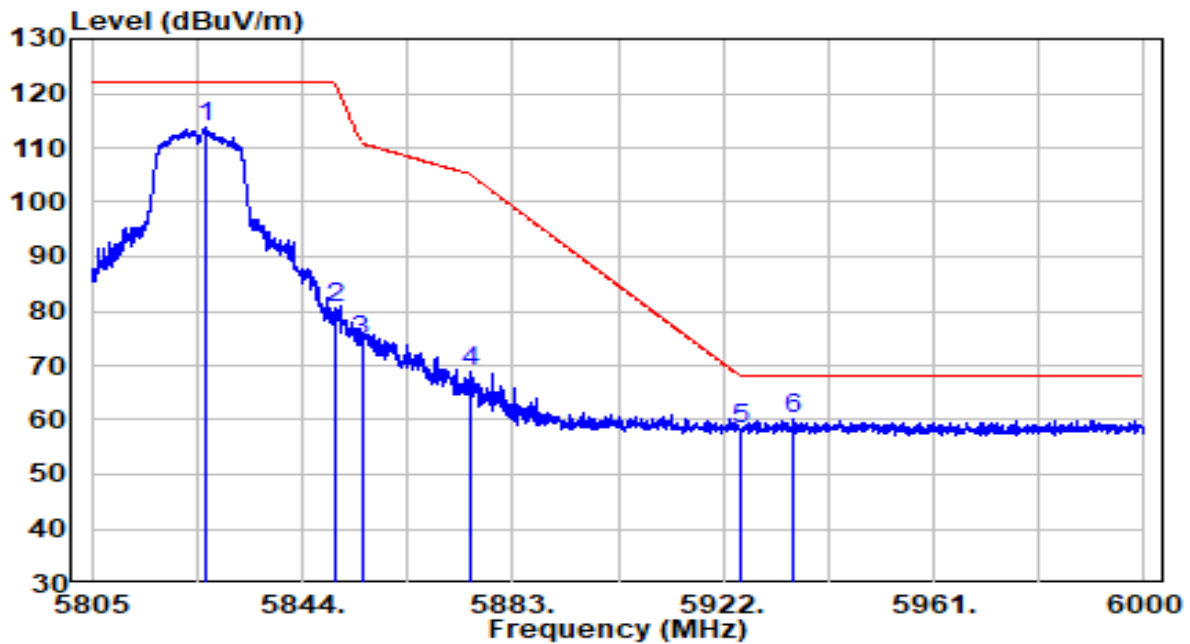


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5823.915	94.67	21.95	116.62	N/A	N/A	Peak
2		5850.045	59.71	22.04	81.75	-40.34	122.10	Peak
3		5855.000	54.62	22.06	76.68	-34.12	110.80	Peak
4		5875.000	43.93	22.14	66.06	-39.14	105.20	Peak
5		5925.000	37.10	22.32	59.42	-8.78	68.20	Peak
6		5952.322	38.10	22.42	60.52	-7.68	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5825MHz	Test Voltage	110V/60Hz

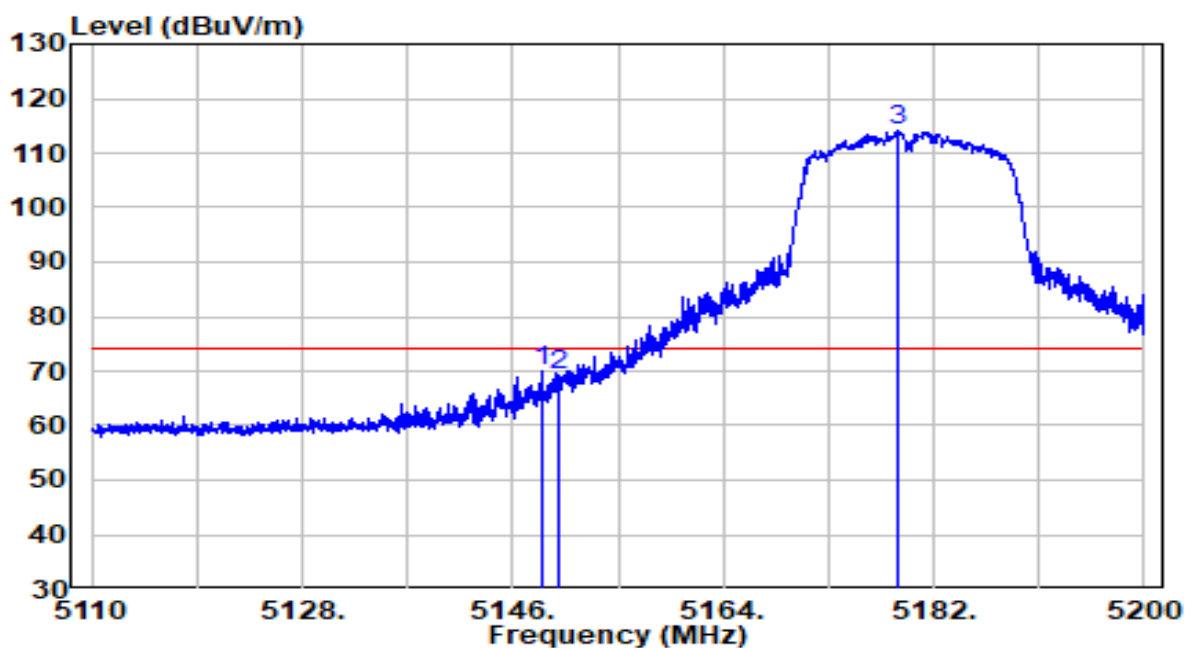


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5826.353	91.88	21.96	113.84	N/A	N/A	Peak
2		5850.000	58.66	22.04	80.70	-41.50	122.20	Peak
3		5855.000	52.40	22.06	74.46	-36.34	110.80	Peak
4		5875.000	46.59	22.14	68.73	-36.47	105.20	Peak
5		5925.000	35.90	22.32	58.22	-9.98	68.20	Peak
6	*	5934.967	37.79	22.35	60.14	-8.06	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5180MHz	Test Voltage	110V/60Hz

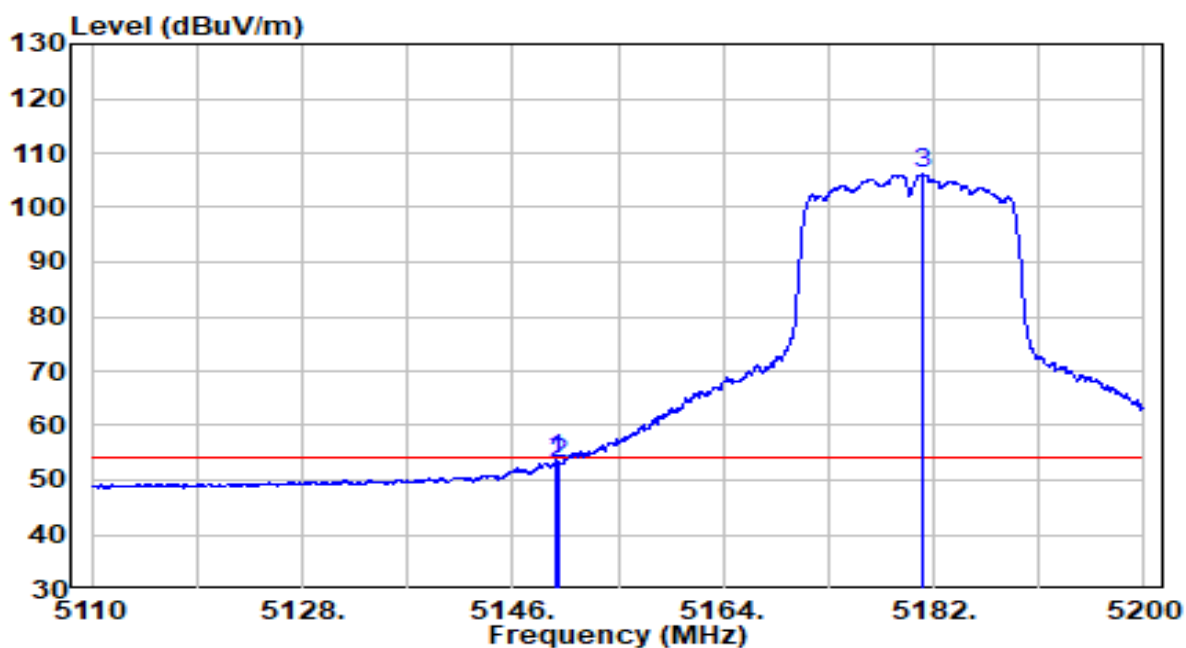


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5148.475	49.73	20.19	69.92	-4.08	74.00	Peak
2	5150.005	49.10	20.20	69.30	-4.70	74.00	Peak
3	* 5178.850	94.02	20.24	114.27	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5180MHz	Test Voltage	110V/60Hz

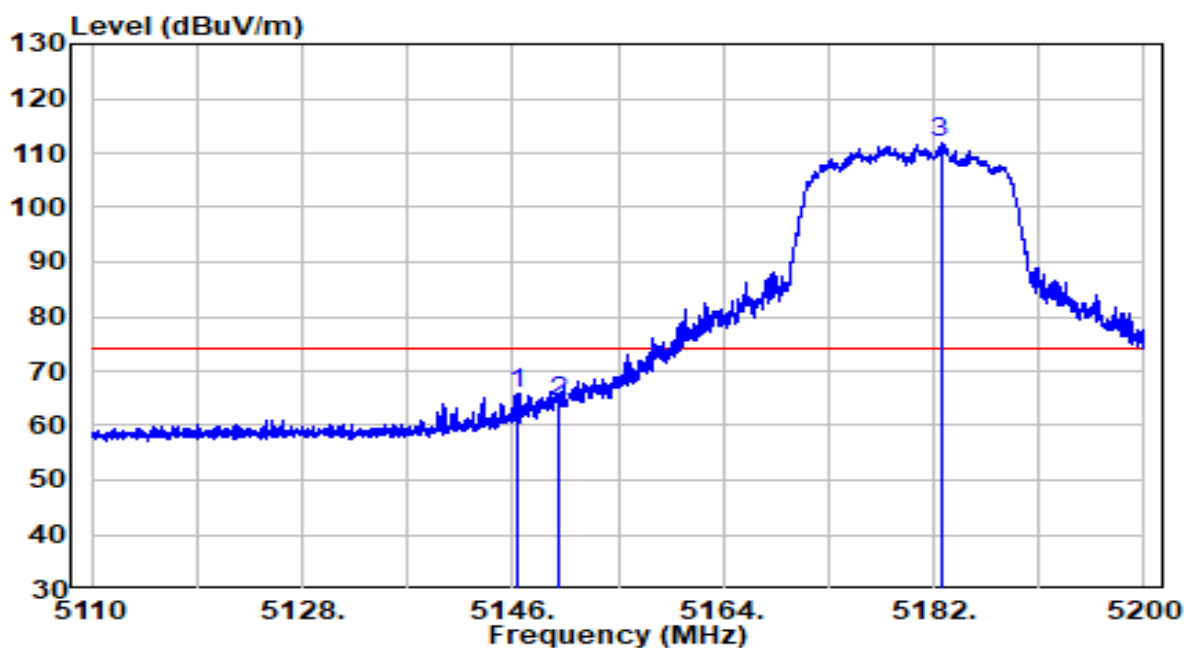


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5149.690	33.57	20.20	53.77	-0.23	54.00	Average
2	5150.005	33.00	20.20	53.19	-0.81	54.00	Average
3	* 5180.965	85.80	20.25	106.05	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5180MHz	Test Voltage	110V/60Hz

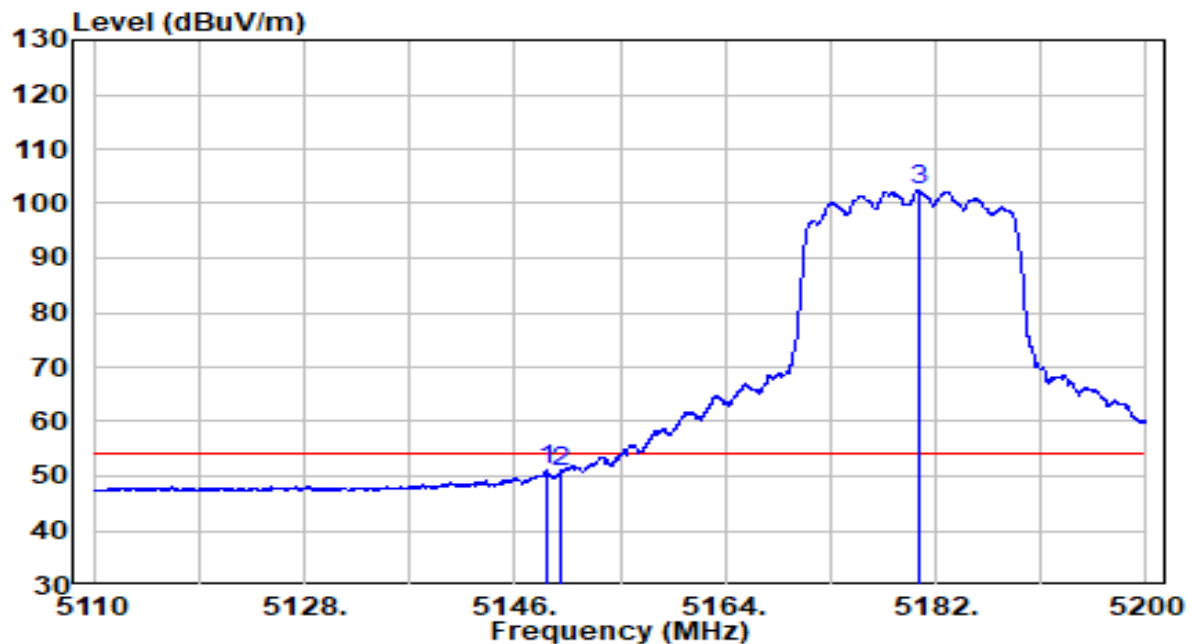


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5146.360	45.67	20.19	65.86	-8.14	74.00	Peak
2	5150.000	44.09	20.20	64.29	-9.71	74.00	Peak
3	* 5182.585	91.72	20.25	111.97	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11n-HT20 at Channel 5180MHz	Test Voltage	110V/60Hz

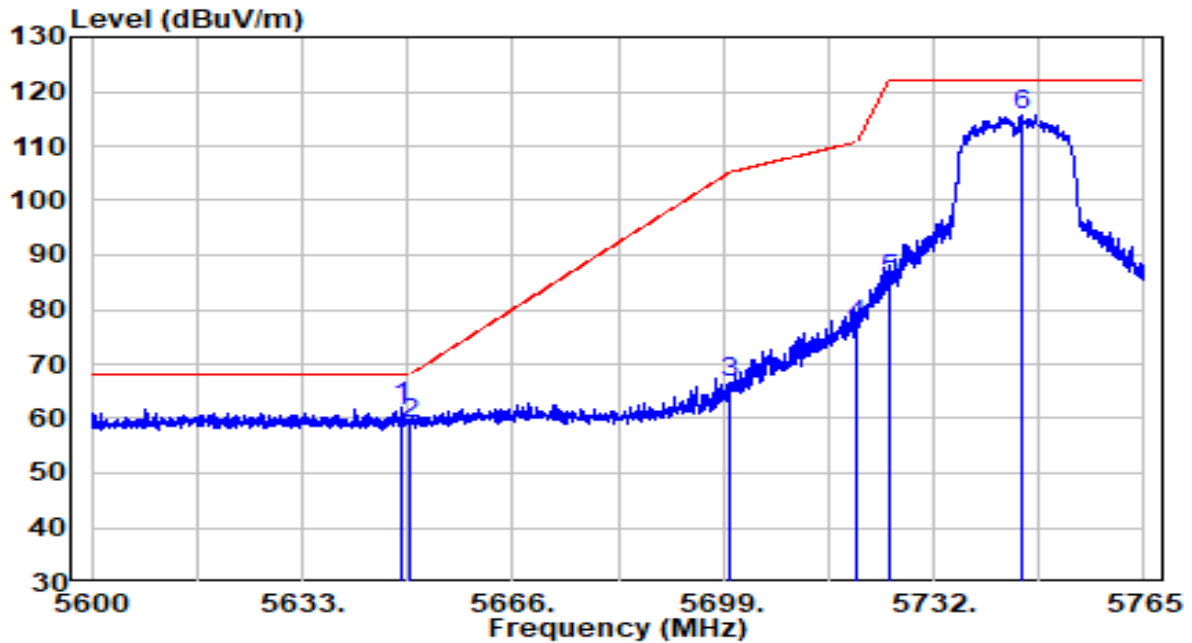


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5148.655	30.78	20.19	50.97	-3.03	54.00	Average
2	5150.005	30.71	20.20	50.90	-3.10	54.00	Average
3	* 5180.515	82.30	20.25	102.55	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5745MHz	Test Voltage	110V/60Hz

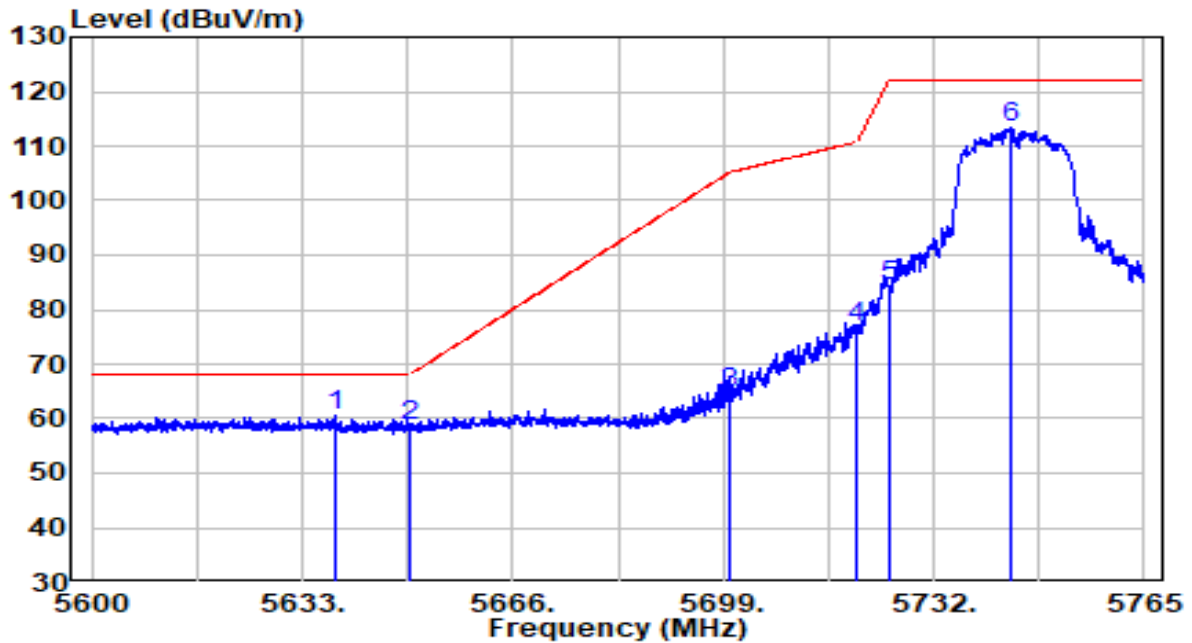


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5648.675	40.59	21.31	61.90	-6.30	68.20	Peak
2		5649.995	37.61	21.32	58.93	-9.27	68.20	Peak
3		5700.000	44.98	21.50	66.48	-38.72	105.20	Peak
4		5720.000	55.48	21.57	77.05	-33.75	110.80	Peak
5		5725.000	63.89	21.59	85.48	-36.72	122.20	Peak
6	*	5745.695	94.05	21.66	115.71	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5745MHz	Test Voltage	110V/60Hz

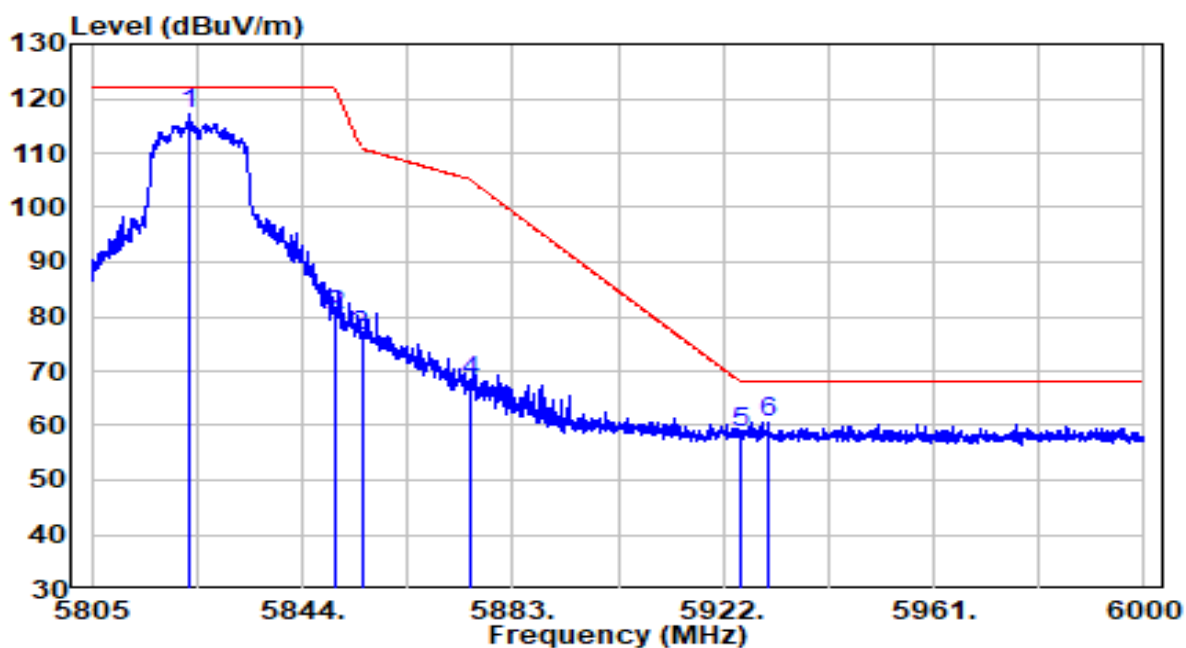


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5638.362	39.28	21.27	60.56	-7.64	68.20	Peak
2		5649.995	37.19	21.32	58.51	-9.69	68.20	Peak
3		5700.000	43.17	21.50	64.67	-40.53	105.20	Peak
4		5720.000	55.36	21.57	76.93	-33.87	110.80	Peak
5		5725.000	62.86	21.59	84.45	-37.75	122.20	Peak
6	*	5744.127	91.89	21.66	113.55	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5825MHz	Test Voltage	110V/60Hz

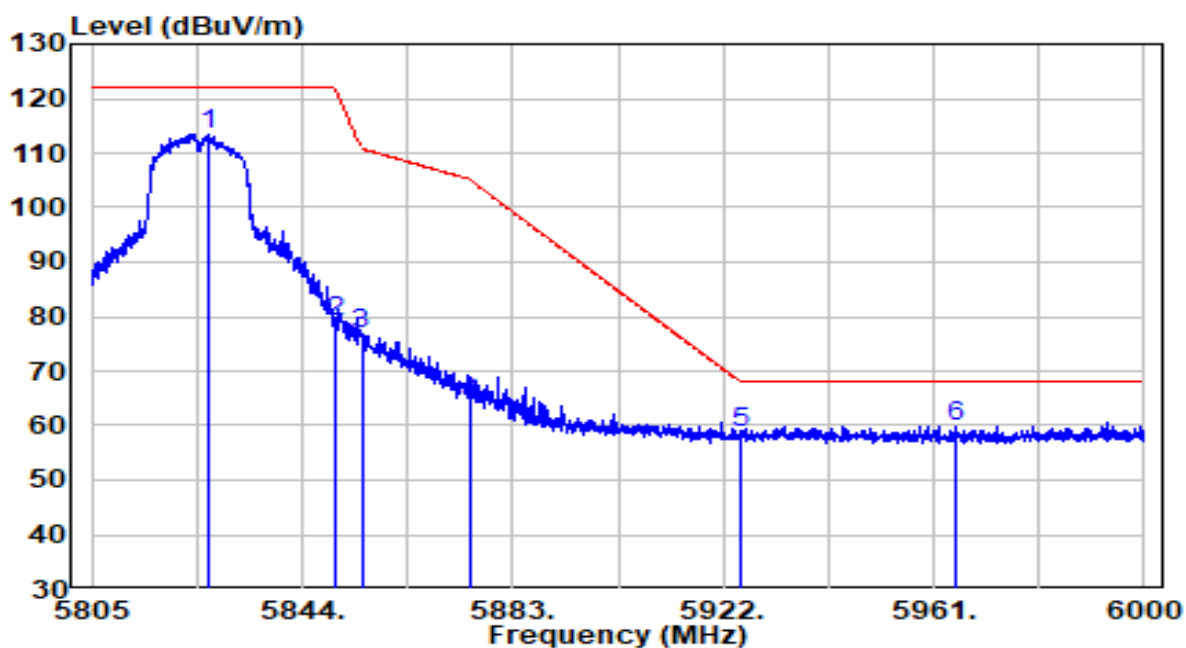


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5823.135	95.13	21.95	117.08	N/A	N/A	Peak
2		5850.000	58.06	22.04	80.10	-42.10	122.20	Peak
3		5855.000	54.37	22.06	76.44	-34.36	110.80	Peak
4		5875.000	45.80	22.14	67.94	-37.26	105.20	Peak
5		5925.000	36.47	22.32	58.79	-9.41	68.20	Peak
6		5930.482	38.34	22.34	60.68	-7.52	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5825MHz	Test Voltage	110V/60Hz

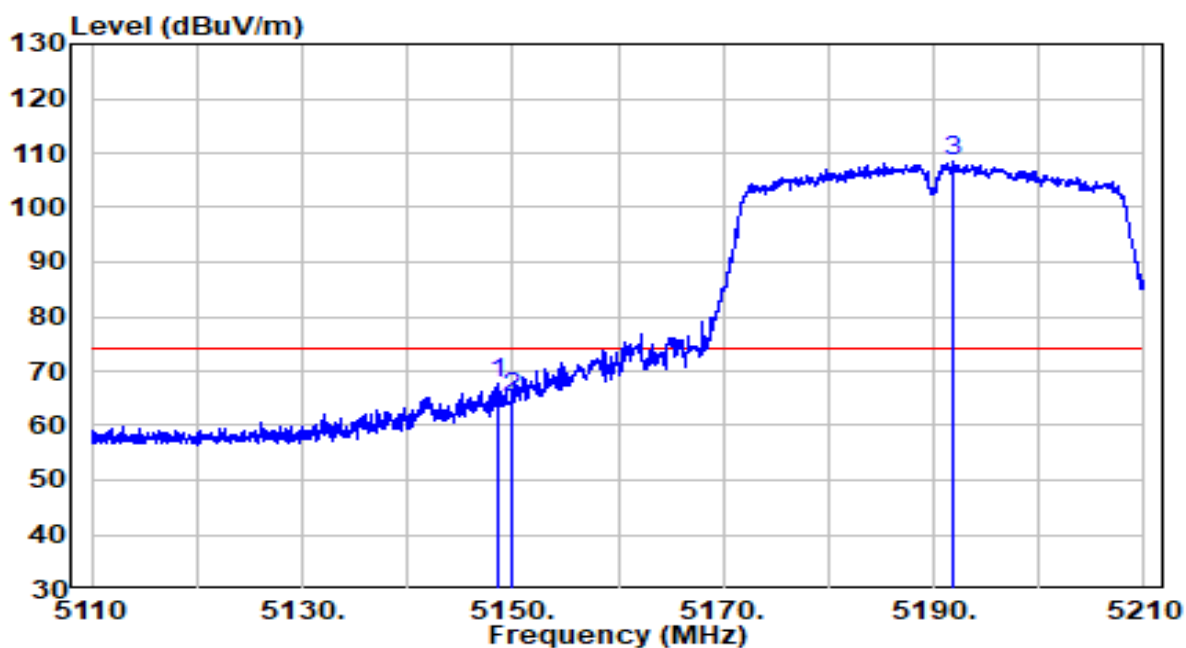


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5826.645	91.62	21.96	113.58	N/A	N/A	Peak
2		5850.000	56.98	22.04	79.02	-43.18	122.20	Peak
3		5855.000	54.89	22.06	76.96	-33.84	110.80	Peak
4		5875.000	41.83	22.14	63.96	-41.24	105.20	Peak
5		5925.000	36.40	22.32	58.71	-9.49	68.20	Peak
6	*	5965.290	37.53	22.46	59.99	-8.21	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5190MHz	Test Voltage	110V/60Hz

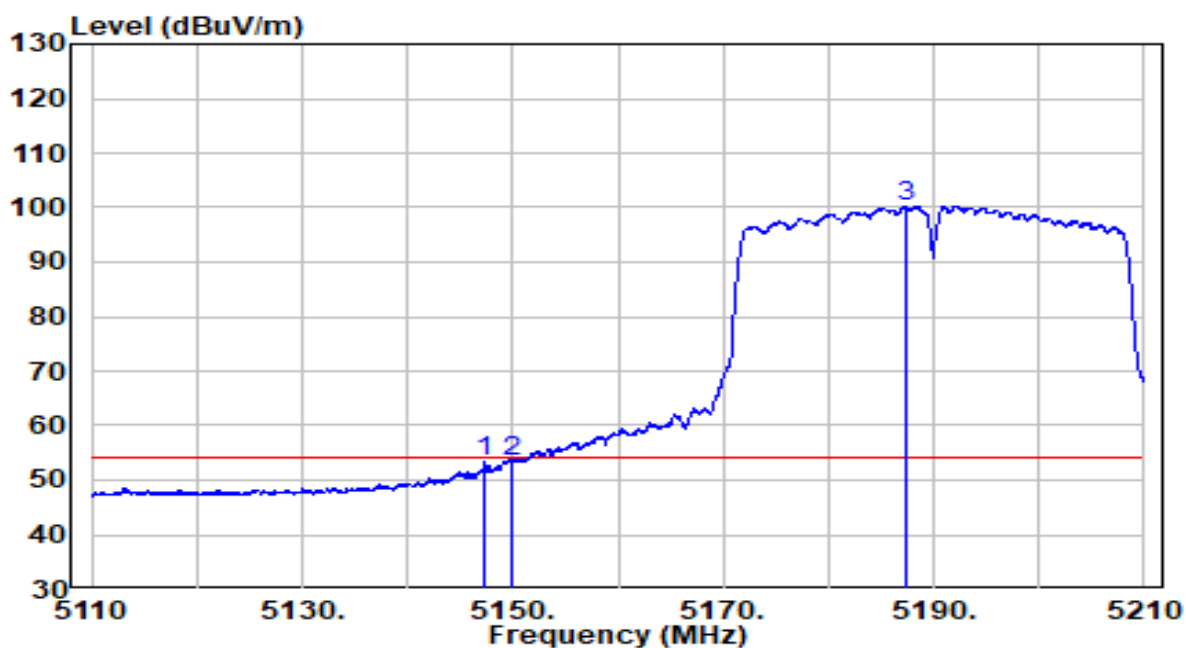


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5148.650	47.39	20.19	67.58	-6.42	74.00	Peak
2	5150.000	45.02	20.20	65.21	-8.79	74.00	Peak
3	* 5191.850	88.25	20.26	108.51	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5190MHz	Test Voltage	110V/60Hz

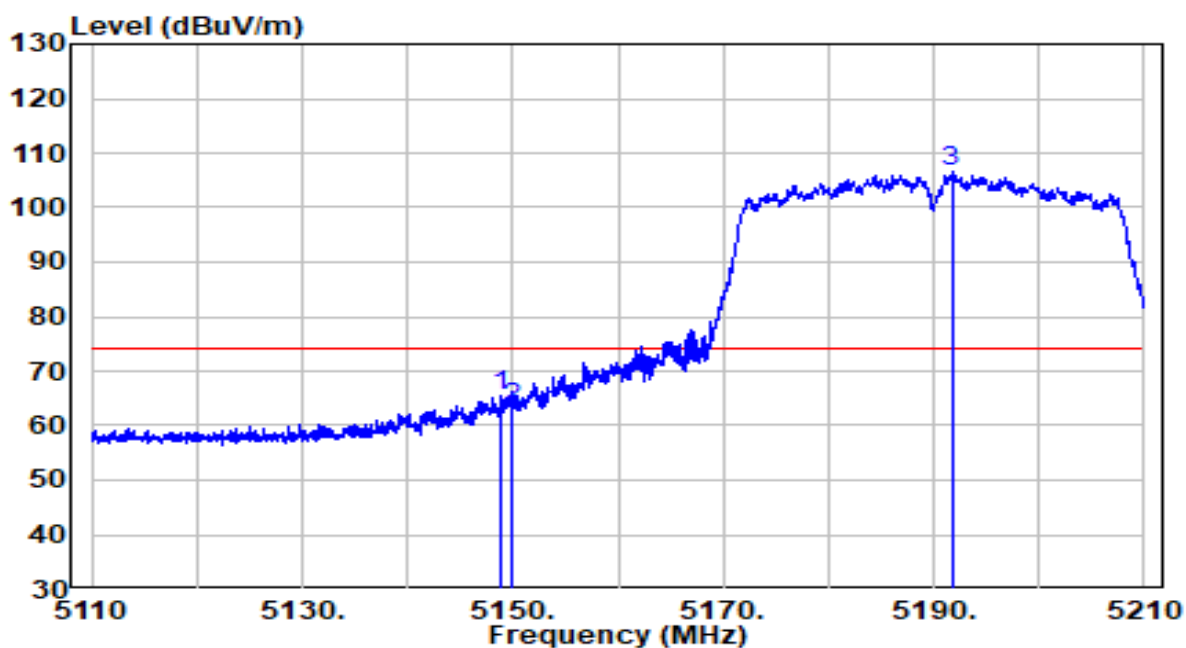


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5147.350	33.05	20.19	53.25	-0.75	54.00	Average
2	5150.000	33.22	20.20	53.42	-0.58	54.00	Average
3	* 5187.400	79.99	20.26	100.24	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5190MHz	Test Voltage	110V/60Hz

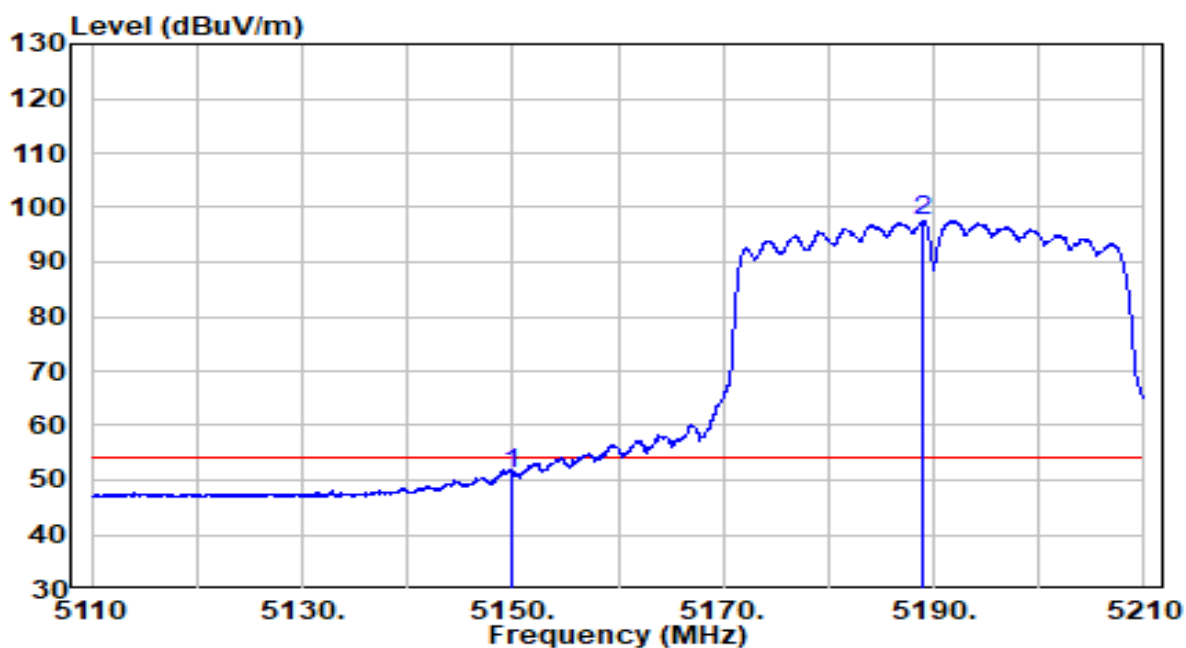


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5148.800	45.10	20.19	65.30	-8.70	74.00	Peak
2	5150.000	42.92	20.20	63.11	-10.89	74.00	Peak
3	* 5191.700	86.28	20.26	106.55	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5190MHz	Test Voltage	110V/60Hz

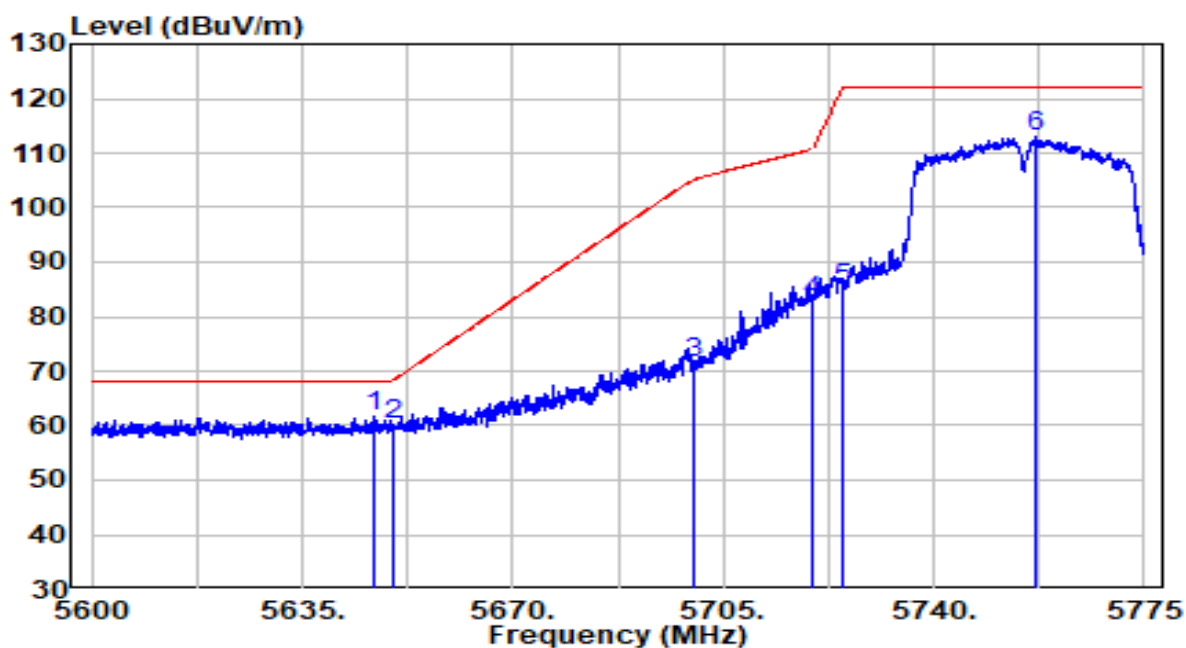


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5150.000	31.06	20.20	51.26	-2.74	54.00	Average
2	* 5189.000	77.28	20.26	97.54	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5755MHz	Test Voltage	110V/60Hz

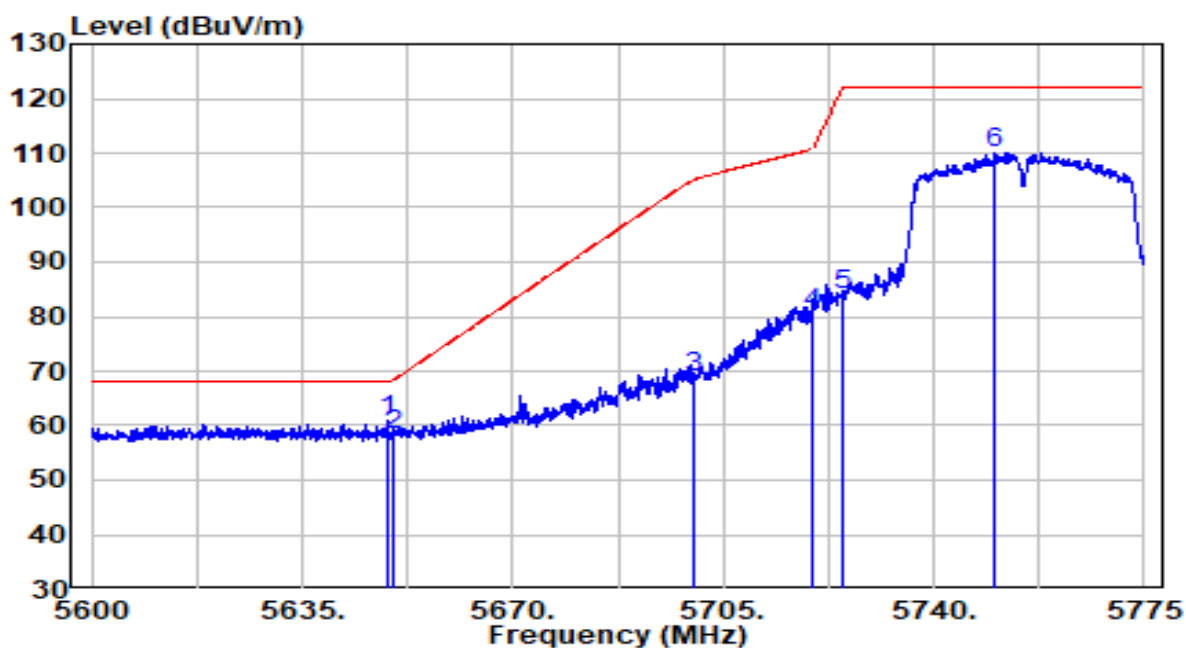


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5646.813	40.22	21.30	61.53	-6.67	68.20	Peak
2	*	5649.962	38.76	21.32	60.07	-8.13	68.20	Peak
3		5700.000	49.94	21.50	71.44	-33.76	105.20	Peak
4		5720.000	61.41	21.57	82.98	-27.82	110.80	Peak
5		5725.000	63.52	21.59	85.11	-37.09	122.20	Peak
6		5756.888	91.25	21.71	112.96	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5755MHz	Test Voltage	110V/60Hz

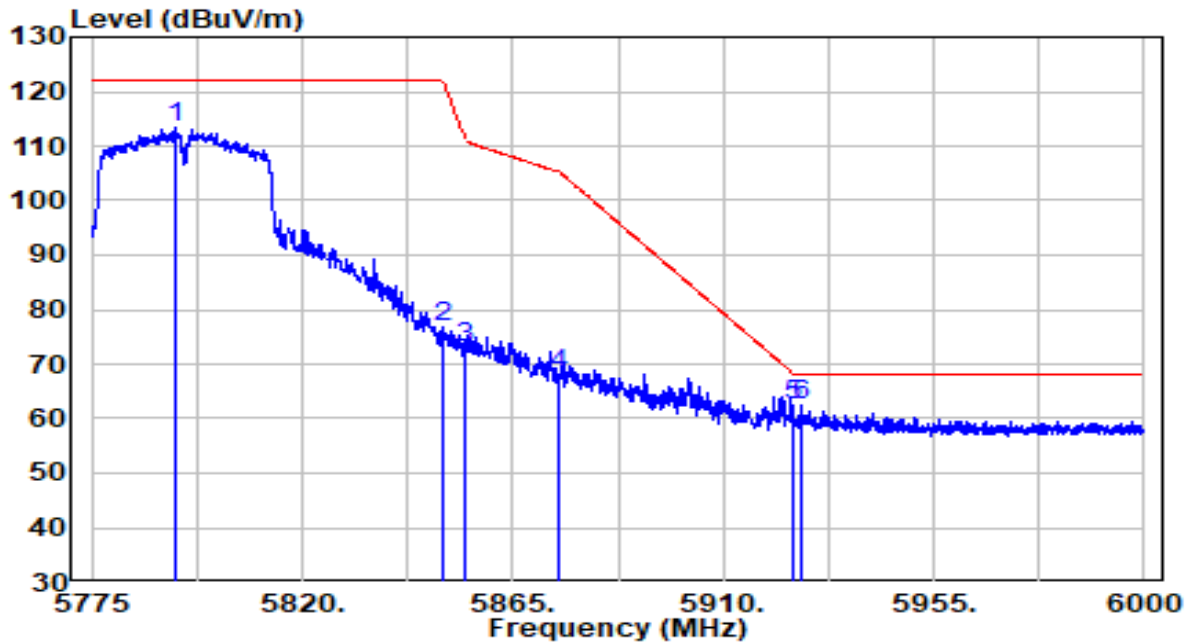


No		Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	*	5649.263	39.45	21.31	60.76	-7.44	68.20	Peak
2	*	5649.962	36.82	21.32	58.14	-10.06	68.20	Peak
3		5700.000	47.20	21.50	68.69	-36.51	105.20	Peak
4		5720.000	59.15	21.57	80.72	-30.08	110.80	Peak
5		5725.000	62.24	21.59	83.83	-38.37	122.20	Peak
6		5749.975	88.32	21.68	110.00	N/A	N/A	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5795MHz	Test Voltage	110V/60Hz

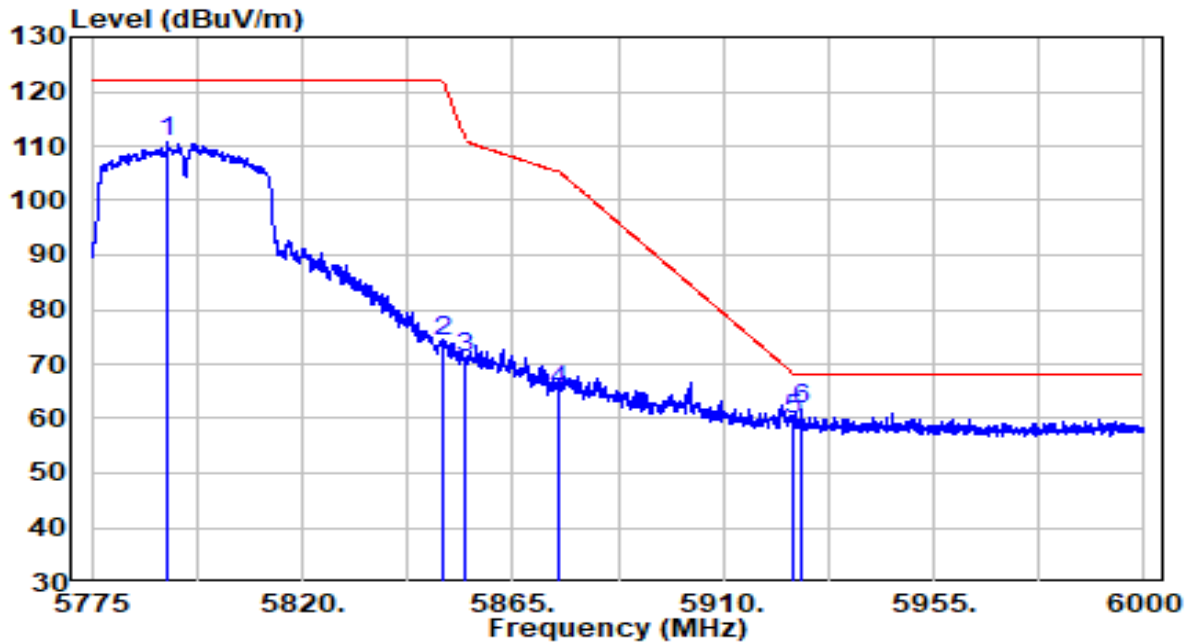


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5793.000	91.57	21.84	113.41	N/A	N/A	Peak
2	5850.000	54.70	22.04	76.74	-45.46	122.20	Peak
3	5855.000	50.86	22.06	72.92	-37.88	110.80	Peak
4	5875.000	46.00	22.14	68.13	-37.07	105.20	Peak
5	* 5925.000	40.06	22.32	62.37	-5.83	68.20	Peak
6	5926.538	40.01	22.32	62.34	-5.86	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5795MHz	Test Voltage	110V/60Hz

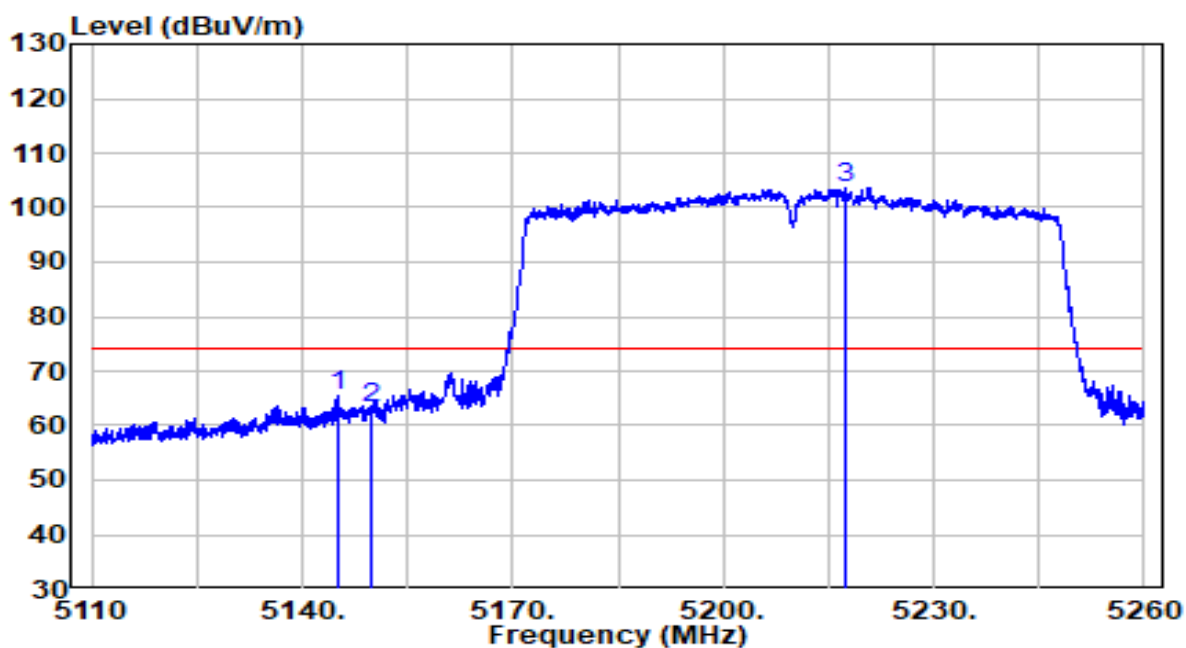


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5791.087	88.95	21.83	110.78	N/A	N/A	Peak
2	5850.000	52.25	22.04	74.29	-47.91	122.20	Peak
3	5855.000	49.26	22.06	71.32	-39.48	110.80	Peak
4	5875.000	43.00	22.14	65.13	-40.07	105.20	Peak
5	* 5925.000	37.33	22.32	59.65	-8.55	68.20	Peak
6	* 5926.987	39.21	22.32	61.54	-6.66	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5210MHz	Test Voltage	110V/60Hz

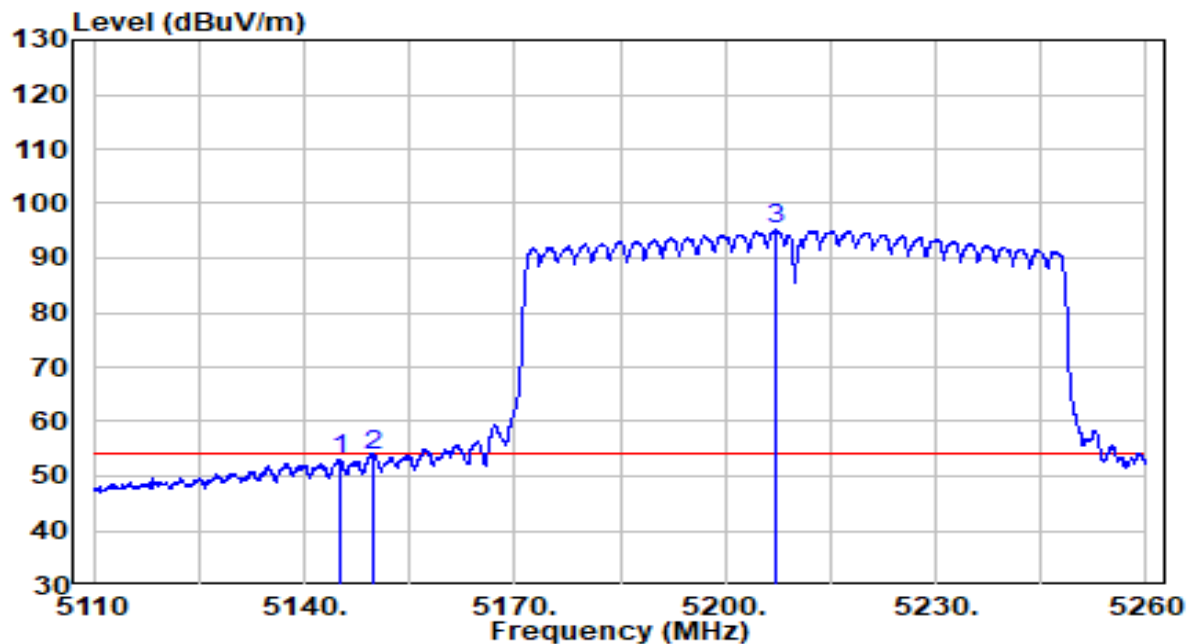


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5145.100	45.10	20.19	65.28	-8.72	74.00	Peak
2	5150.000	43.08	20.20	63.28	-10.72	74.00	Peak
3	* 5217.400	83.32	20.31	103.63	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5210MHz	Test Voltage	110V/60Hz

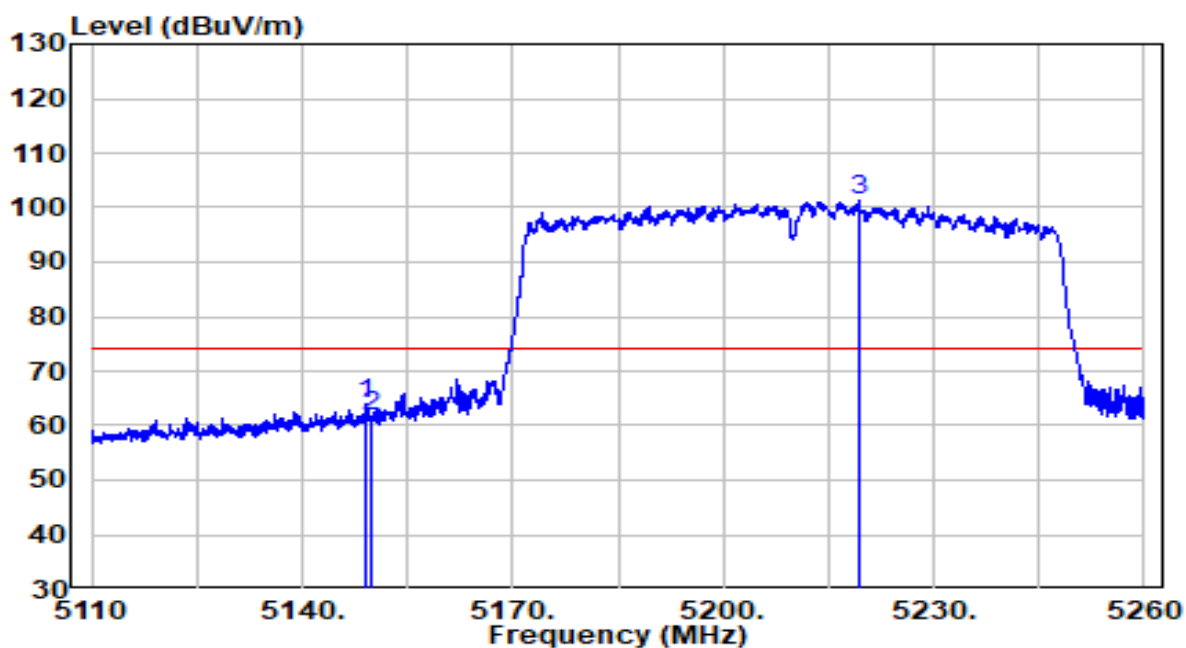


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5145.175	32.74	20.19	52.93	-1.07	54.00	Average
2	5149.975	33.45	20.20	53.65	-0.35	54.00	Average
3	* 5207.050	74.82	20.29	95.11	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5210MHz	Test Voltage	110V/60Hz

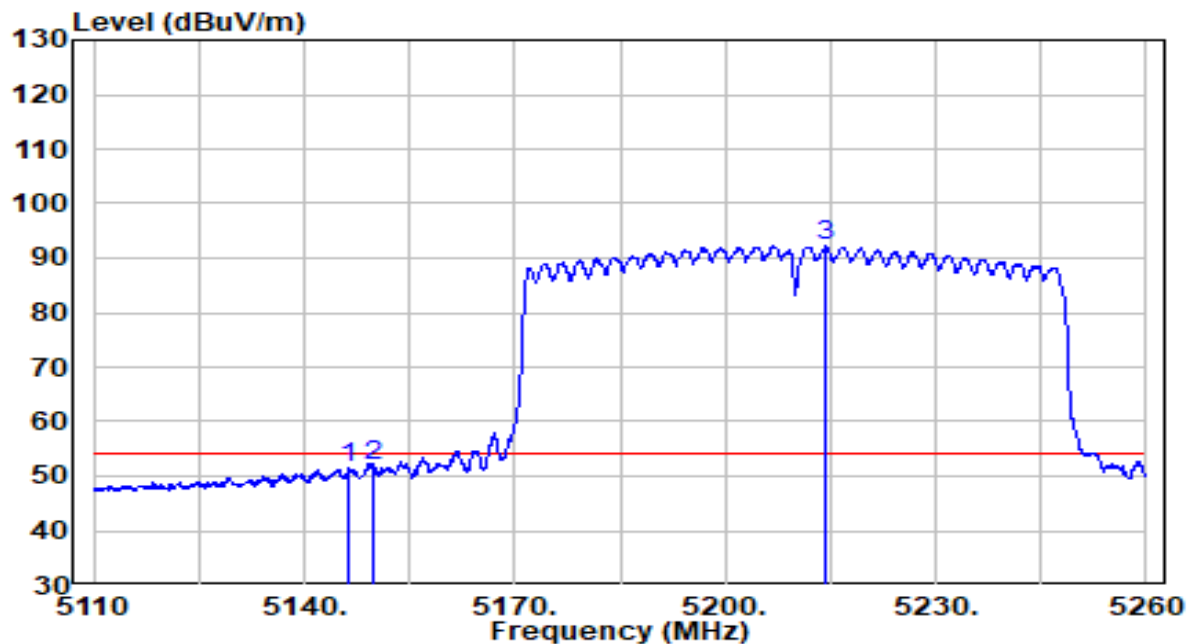


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5149.075	43.62	20.19	63.81	-10.19	74.00	Peak
2	5150.000	41.48	20.20	61.68	-12.32	74.00	Peak
3	* 5219.425	80.85	20.31	101.16	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5210MHz	Test Voltage	110V/60Hz

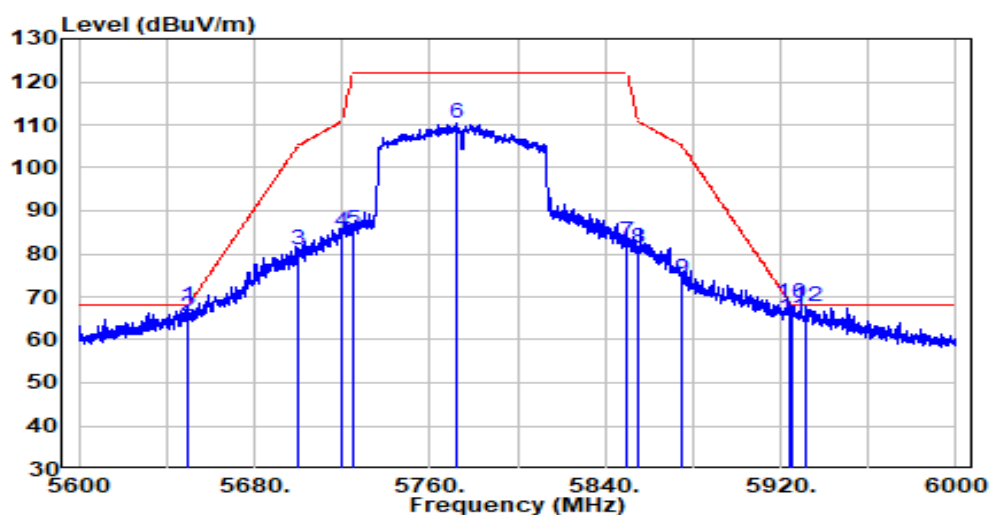


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5146.450	31.20	20.19	51.39	-2.61	54.00	Average
2	5149.975	31.70	20.20	51.90	-2.10	54.00	Average
3	* 5214.325	71.82	20.30	92.12	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
3. Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5775MHz	Test Voltage	110V/60Hz

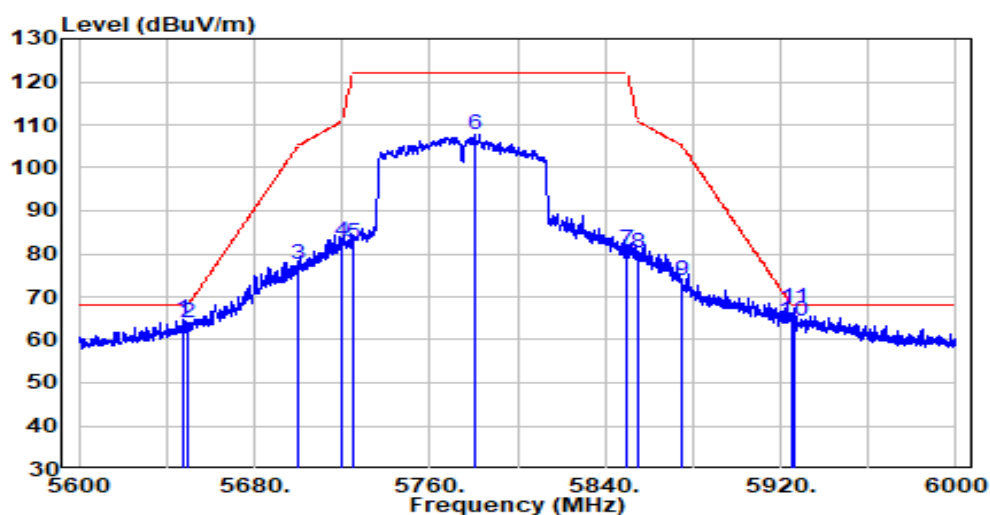


No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5649.400	46.41	21.31	67.73	-0.47	68.20	Peak
2	* 5650.000	44.00	21.32	65.31	-2.89	68.20	Peak
3	5700.000	59.54	21.50	81.04	-24.16	105.20	Peak
4	5720.000	63.69	21.57	85.26	-25.54	110.80	Peak
5	5725.000	64.03	21.59	85.62	-36.58	122.20	Peak
6	5772.600	88.62	21.76	110.38	N/A	N/A	Peak
7	5850.000	60.77	22.04	82.82	-39.38	122.20	Peak
8	5855.000	59.40	22.06	81.46	-29.34	110.80	Peak
9	5875.000	51.98	22.14	74.11	-31.09	105.20	Peak
10	* 5924.200	46.05	22.31	68.36	-0.43	68.79	Peak
11	5925.000	42.59	22.32	64.91	-3.29	68.20	Peak
12	5932.000	45.29	22.34	67.64	-0.56	68.20	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Pre-amplifier(dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-09
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/39.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5775MHz	Test Voltage	110V/60Hz



No	Frequency (MHz)	Reading (dB μ V)	C.F (dB/m)	Measurement (dB μ V/m)	Margin (dB)	Limit (dB μ V/m)	Remark (QP/PK/AV)
1	5648.000	43.39	21.31	64.70	-3.50	68.20	Peak
2	5650.000	42.56	21.32	63.88	-4.32	68.20	Peak
3	5700.000	56.14	21.50	77.64	-27.56	105.20	Peak
4	5720.000	61.16	21.57	82.73	-28.07	110.80	Peak
5	5725.000	60.68	21.59	82.27	-39.93	122.20	Peak
6	5780.600	86.12	21.79	107.91	N/A	N/A	Peak
7	5850.000	58.75	22.04	80.79	-41.41	122.20	Peak
8	5855.000	58.30	22.06	80.36	-30.44	110.80	Peak
9	5875.000	51.76	22.14	73.90	-31.30	105.20	Peak
10	* 5925.000	42.06	22.32	64.38	-3.82	68.20	Peak
11	* 5925.800	44.92	22.32	67.24	-0.96	68.20	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m) + Cable Loss (dB) + 16dB Attenuation (dB) – Preamplifier(dB).
- Measurement(dB μ V/m) = Reading(dB μ V) + C.F (Correction Factor).

5.8. 不必要之發射

5.8.1. 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範之第 5.7.3 節：

在 5.725 GHz~5.850 GHz 的頻段操作之發射器：所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP) ≤ 27 dBm/MHz~15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz~25 MHz，有效等向輻射功率(EIRP) ≤ 15.6 dBm/MHz~10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz~75 MHz，有效等向輻射功率(EIRP) ≤ 10 dBm/MHz~-27 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 ≥ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) ≤ -27 dBm/MHz；

測量不必要發射時，應使用之最低解析頻寬為 1 MHz。必要時，於頻帶邊緣附近可使用小於 1 MHz 之解析頻寬，並以補償方式計算其總值。

當測量不必要發射之限制值時，應將待測物的載波頻率調整到儘可能接近設備設計所允許的上、下頻帶邊緣。

在 1 GHz 以下不必要之發射，應符合 2.8 之規定，任何使用市電為供應電源之設備亦須符合 2.3 之電源線傳導限制值。

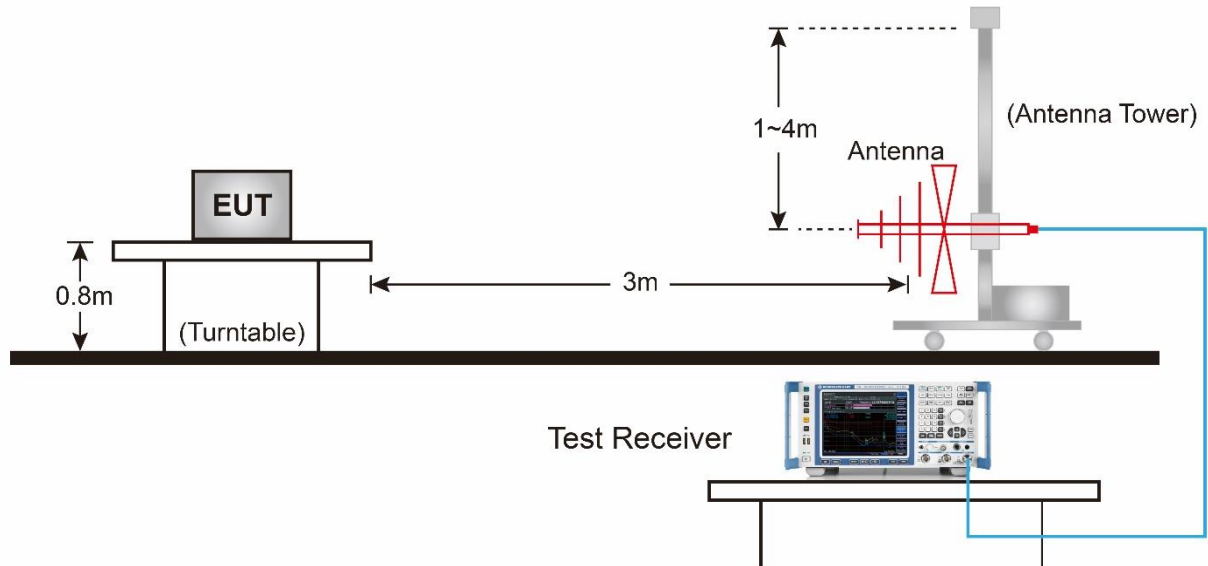
不必要發射頻率屬 2.7 規定頻段者，應符合 2.8 之規定。

5.8.2. 量測方法

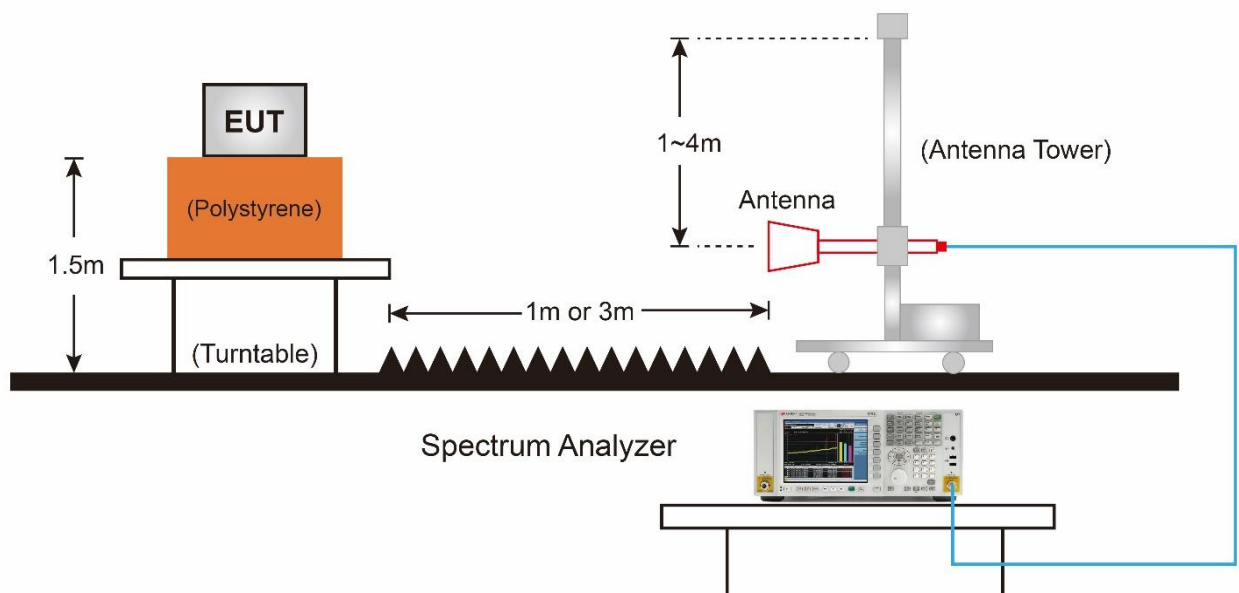
低頻待測物置於高 80 公分之非導體桌面（落地型產品置於地上），高頻待測物置於高 150 公分之非導體桌面，受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度。接收天線並應於水準及垂直極化方向各量測一次。

5.8.3. 測試架構圖

Below 1GHz Test Setup:

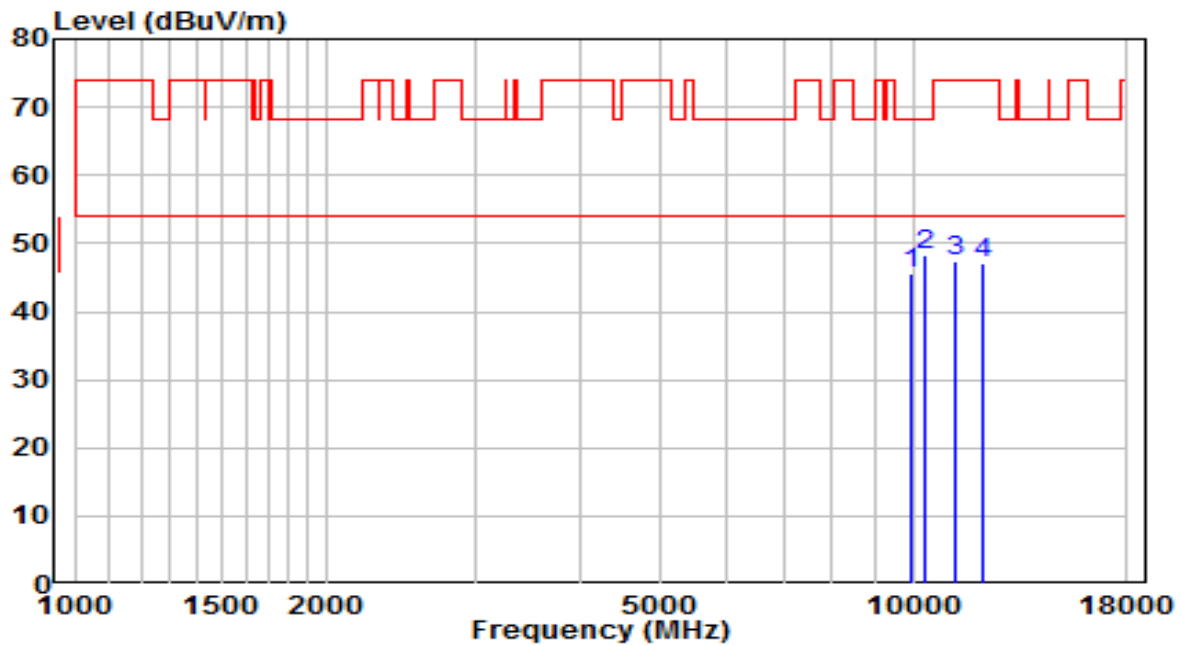


Above 1GHz Test Setup:



5.8.4. 不必要之發射測試結果

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	120V 60Hz

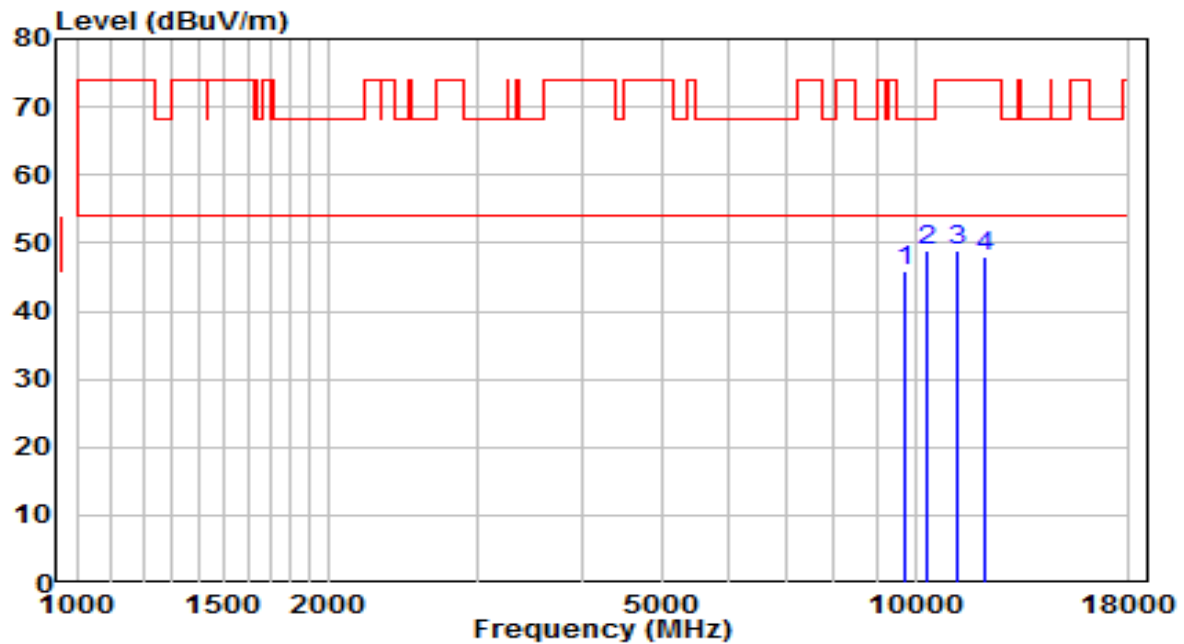


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9959.000	28.96	16.49	45.45	-22.75	68.20	Peak
2	* 10358.500	30.16	18.00	48.16	-20.04	68.20	Peak
3	11191.500	27.73	19.57	47.30	-26.70	74.00	Peak
4	12109.500	28.37	18.81	47.18	-26.82	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5180MHz	Test Voltage	120V 60Hz

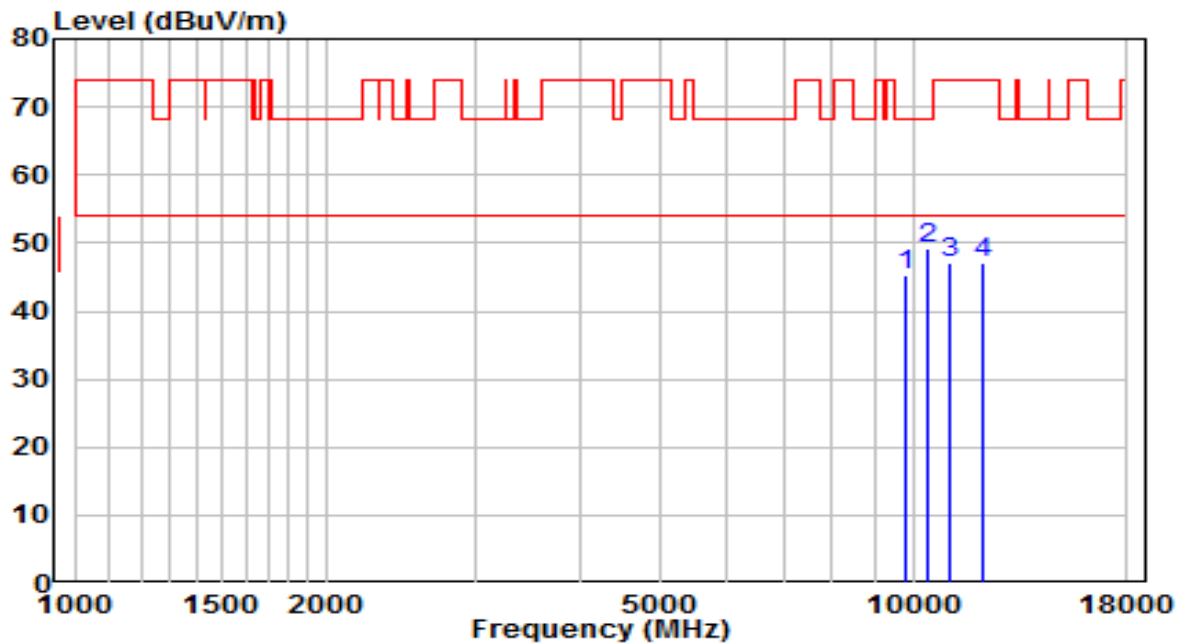


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9755.000	29.83	16.15	45.98	-22.22	68.20	Peak
2	* 10358.500	30.94	18.00	48.94	-19.26	68.20	Peak
3	11208.500	29.30	19.60	48.90	-25.10	74.00	Peak
4	12118.000	29.08	18.80	47.87	-26.13	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5220MHz	Test Voltage	120V 60Hz

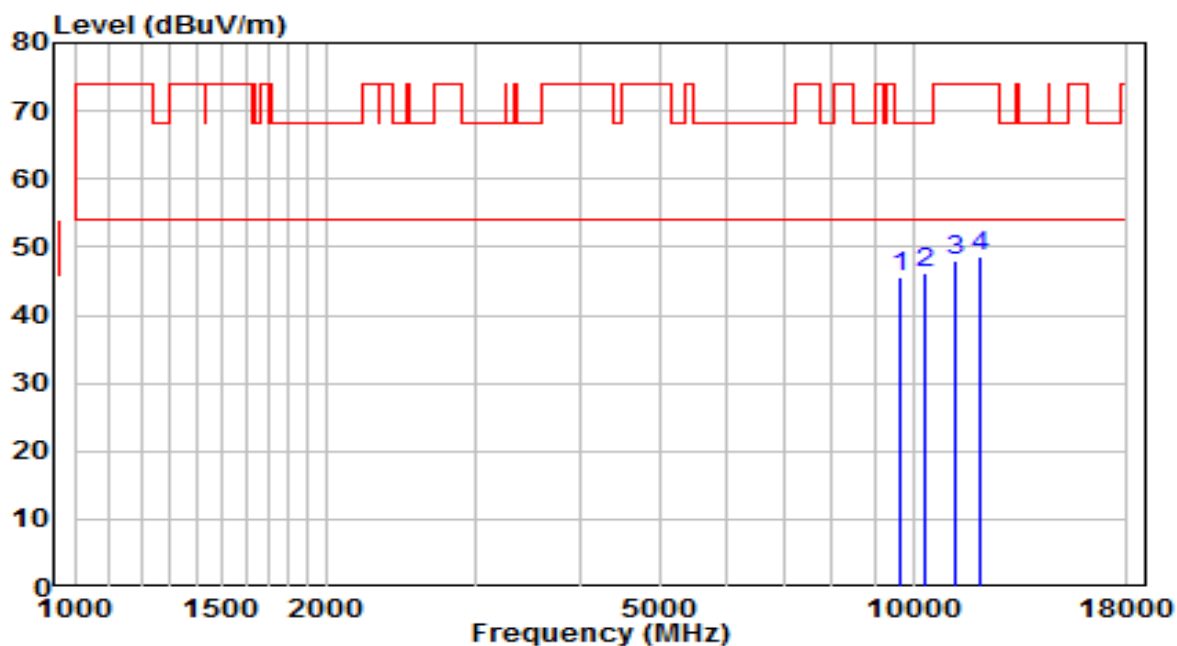


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9797.500	29.20	16.22	45.42	-22.78	68.20	Peak
2	* 10443.500	30.79	18.34	49.13	-19.07	68.20	Peak
3	11081.000	27.73	19.40	47.13	-26.87	74.00	Peak
4	12092.500	28.34	18.82	47.16	-26.84	74.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
- Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5220MHz	Test Voltage	120V 60Hz

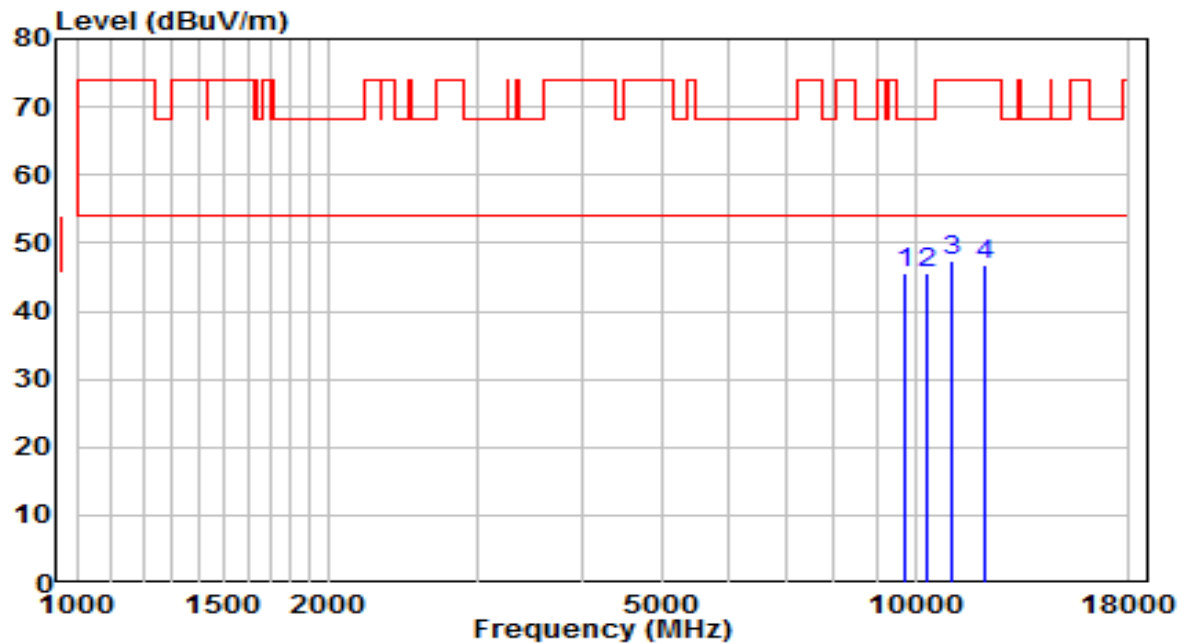


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9670.000	29.55	16.01	45.56	-22.64	68.20	Peak
2	* 10358.500	28.08	18.00	46.08	-22.12	68.20	Peak
3	11242.500	28.22	19.65	47.87	-26.13	74.00	Peak
4	12016.000	29.65	18.90	48.55	-25.45	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5240MHz	Test Voltage	120V 60Hz

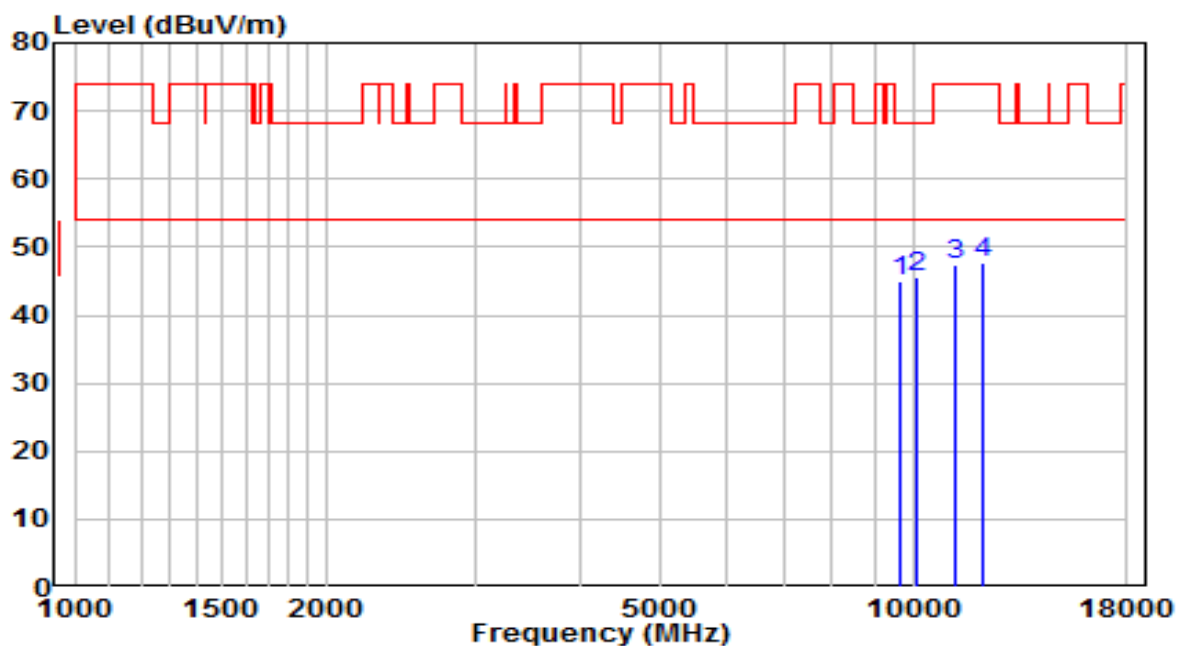


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9721.000	29.44	16.09	45.53	-22.67	68.20	Peak
2	* 10341.500	27.73	17.93	45.66	-22.54	68.20	Peak
3	11081.000	28.10	19.40	47.51	-26.49	74.00	Peak
4	12075.500	28.08	18.84	46.92	-27.08	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5240MHz	Test Voltage	120V 60Hz

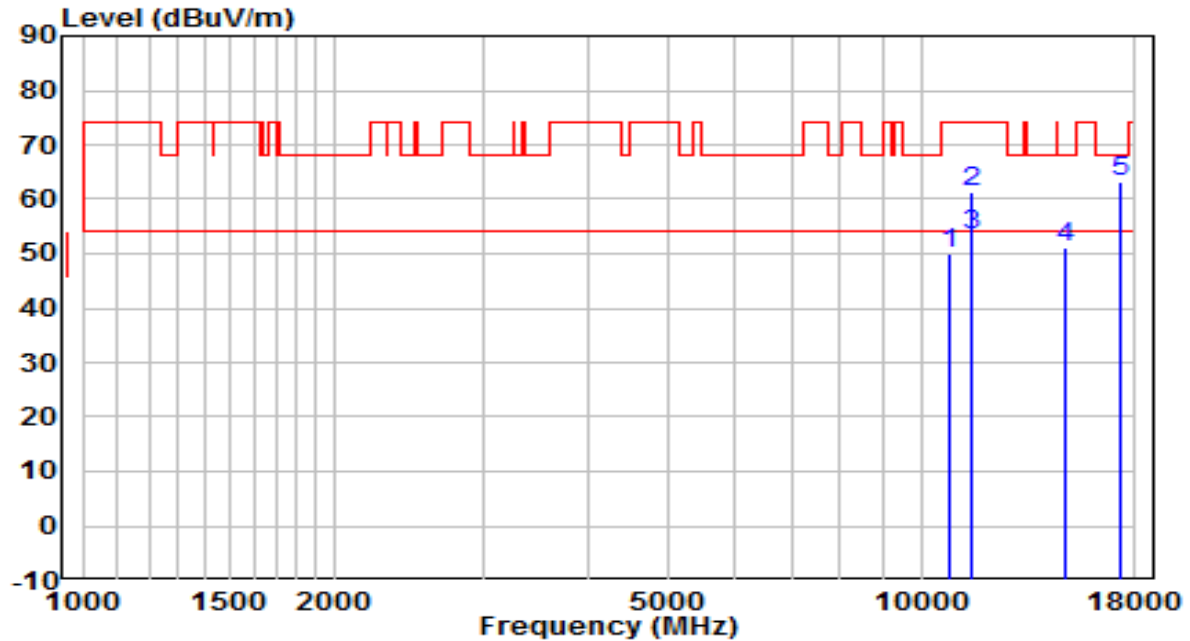


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9661.500	28.94	15.99	44.93	-23.27	68.20	Peak
2	* 10120.500	28.65	17.04	45.69	-22.51	68.20	Peak
3	11225.500	27.80	19.63	47.42	-26.58	74.00	Peak
4	12092.500	28.81	18.82	47.64	-26.36	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5745MHz	Test Voltage	110V/60Hz

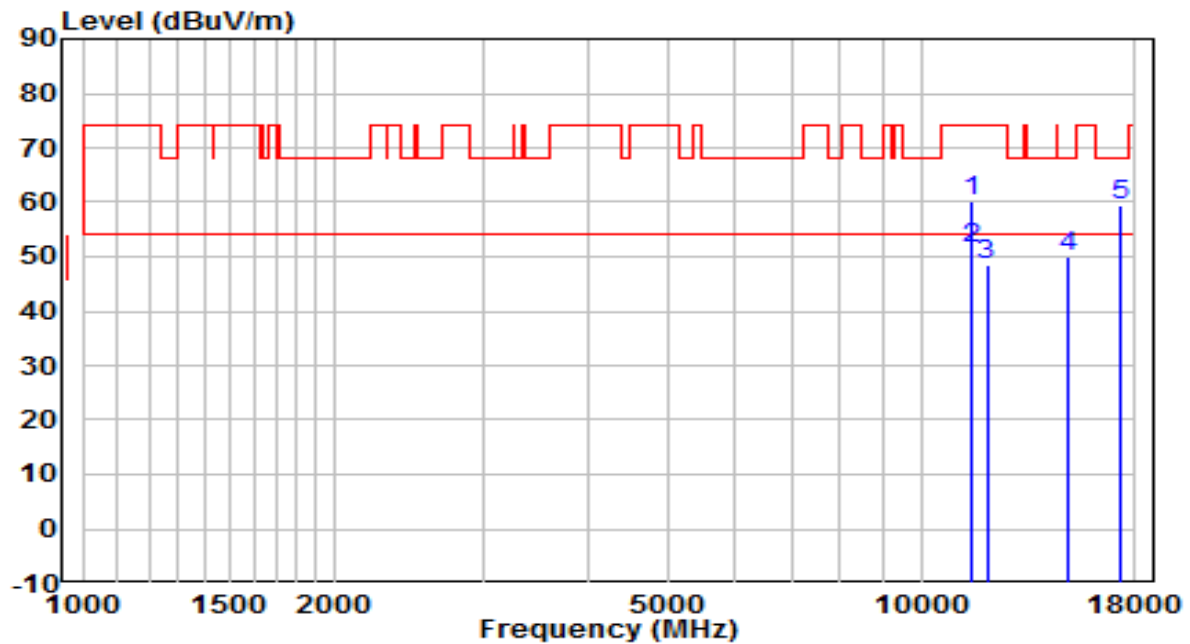


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	10843.000	30.77	19.06	49.82	-24.18	74.00	Peak
2	11489.000	41.38	20.03	61.41	-12.59	74.00	Peak
3	* 11489.000	33.35	20.03	53.38	-0.62	54.00	Average
4	14804.000	29.04	22.23	51.27	-16.93	68.20	Peak
5	17243.500	36.96	26.13	63.10	-5.10	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5745MHz	Test Voltage	110V/60Hz

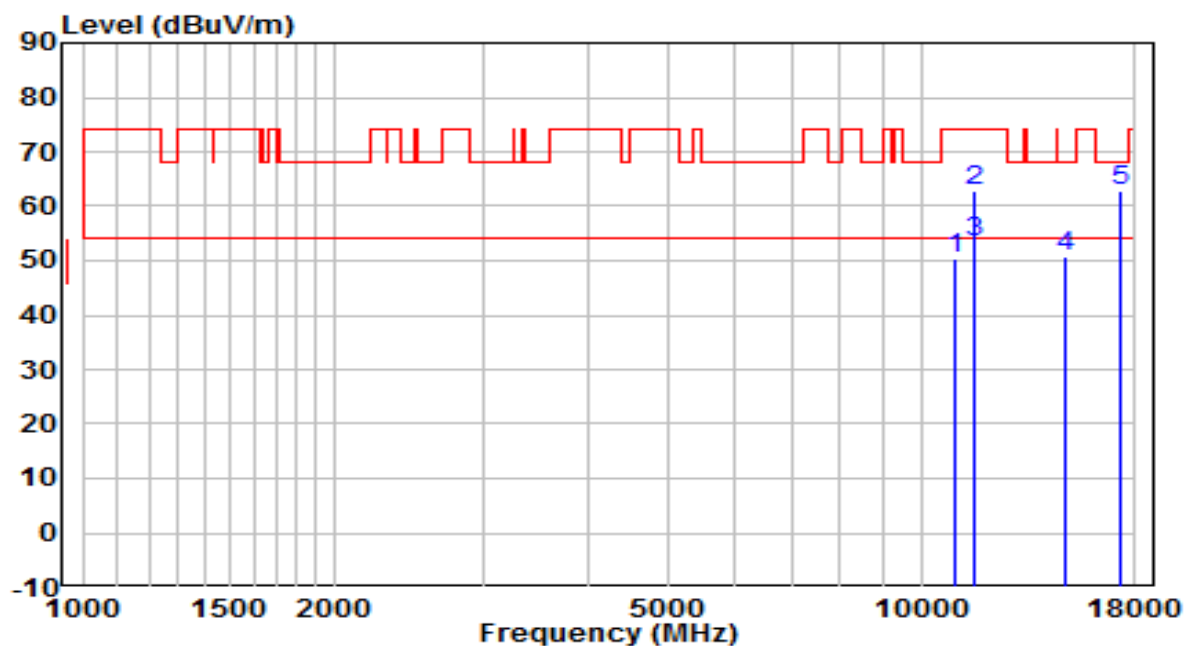


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11497.500	40.18	20.05	60.23	-13.77	74.00	Peak
2	* 11497.500	31.62	20.05	51.67	-2.33	54.00	Average
3	11973.500	29.64	18.98	48.62	-25.38	74.00	Peak
4	14931.500	27.74	22.14	49.88	-18.32	68.20	Peak
5	17235.000	33.29	26.08	59.36	-8.84	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5785MHz	Test Voltage	110V/60Hz

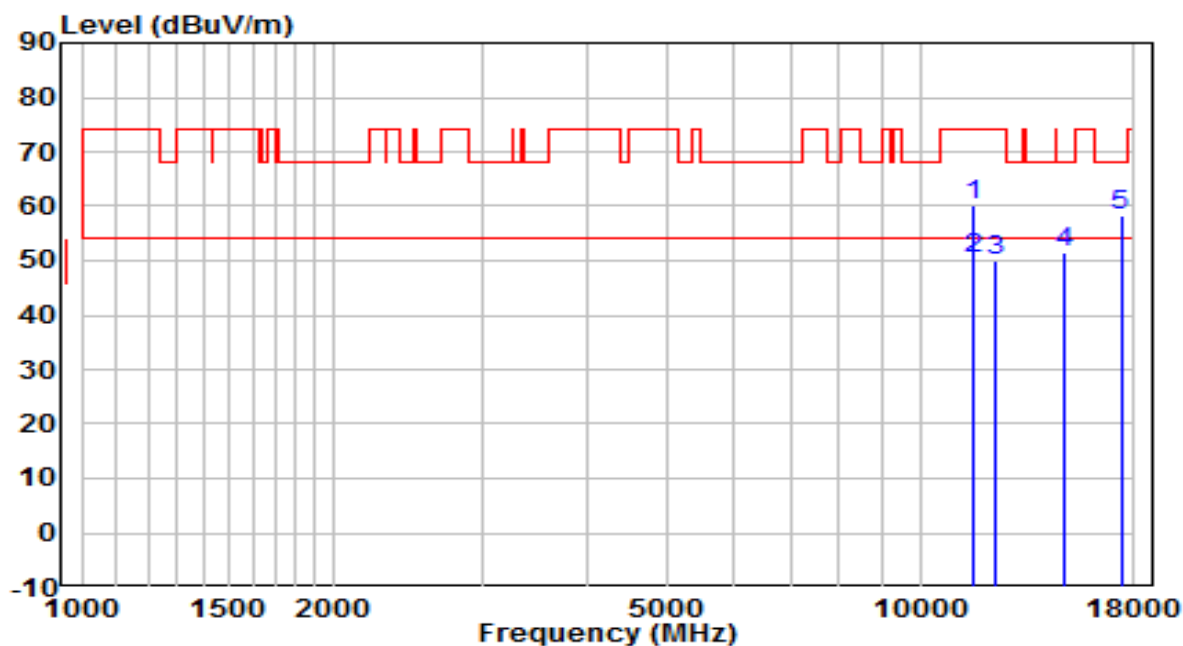


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	10970.500	31.14	19.24	50.38	-23.62	74.00	Peak
2	11565.500	43.07	19.90	62.97	-11.03	74.00	Peak
3	* 11565.500	33.48	19.90	53.38	-0.62	54.00	Average
4	14897.500	28.70	22.16	50.86	-17.34	68.20	Peak
5	17345.500	36.16	26.81	62.97	-5.23	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5785MHz	Test Voltage	110V/60Hz

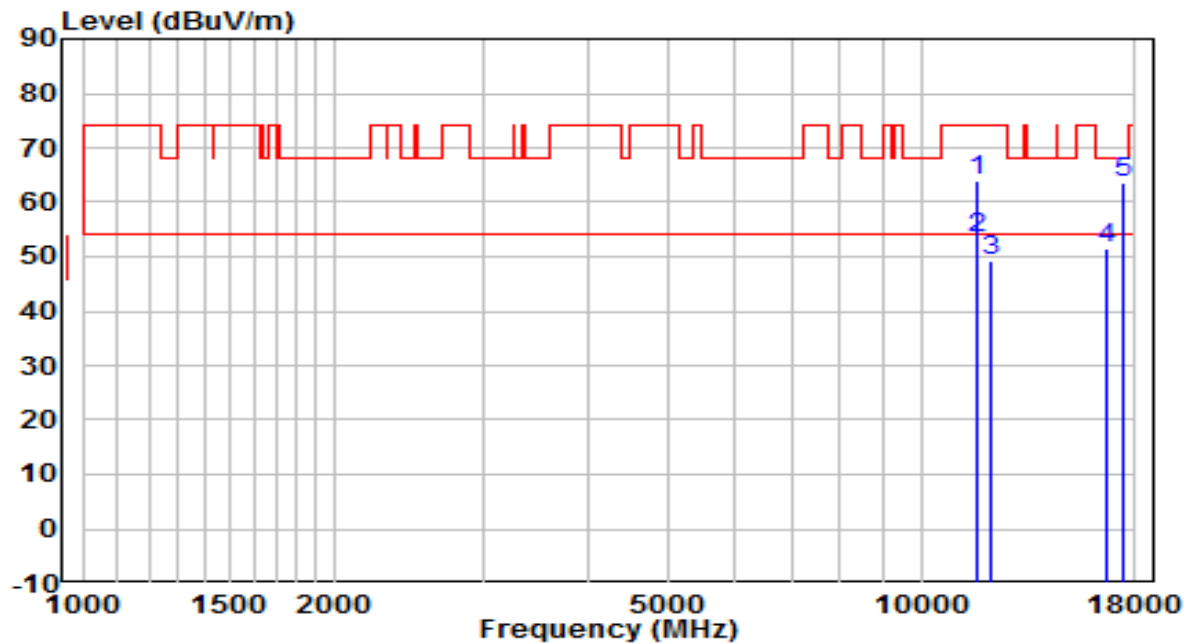


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11565.500	40.31	19.90	60.21	-13.79	74.00	Peak
2	* 11565.500	30.47	19.90	50.37	-3.63	54.00	Average
3	12254.000	31.38	18.66	50.03	-23.97	74.00	Peak
4	14872.000	29.32	22.18	51.51	-16.69	68.20	Peak
5	17354.000	31.60	26.87	58.47	-9.73	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5825MHz	Test Voltage	110V/60Hz

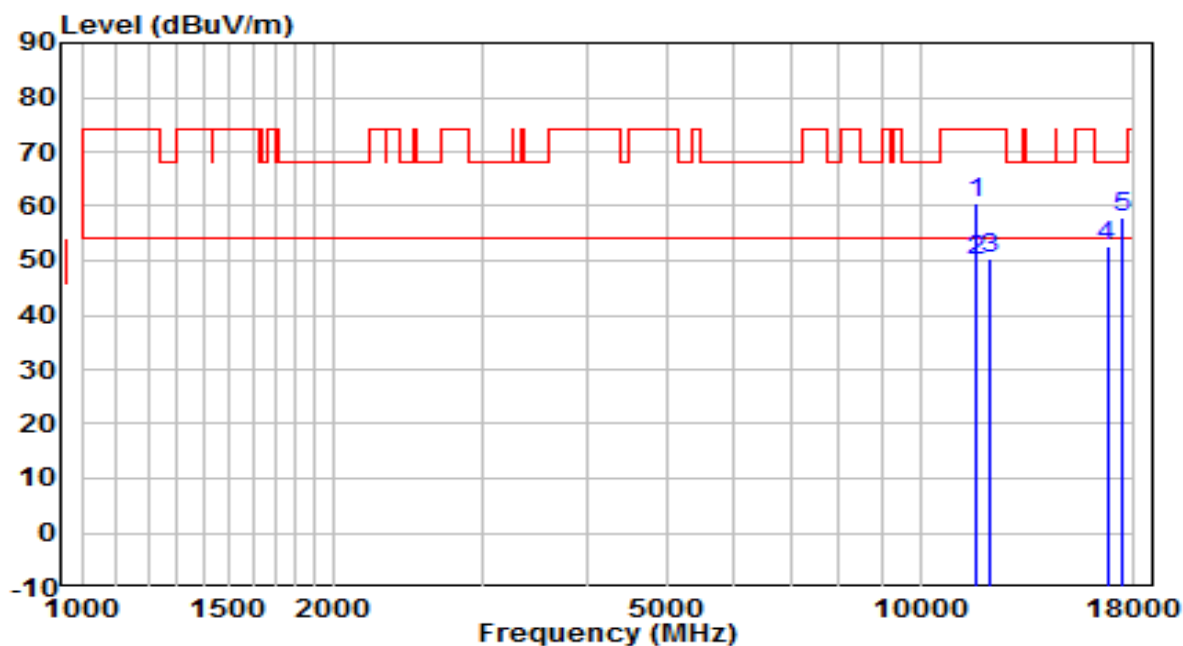


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11650.500	44.15	19.71	63.86	-10.14	74.00	Peak
2	* 11650.500	33.64	19.71	53.35	-0.65	54.00	Average
3	12152.000	30.57	18.76	49.33	-24.67	74.00	Peak
4	16597.500	29.51	21.89	51.40	-16.80	68.20	Peak
5	17473.000	35.99	27.66	63.65	-4.55	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5825MHz	Test Voltage	110V/60Hz

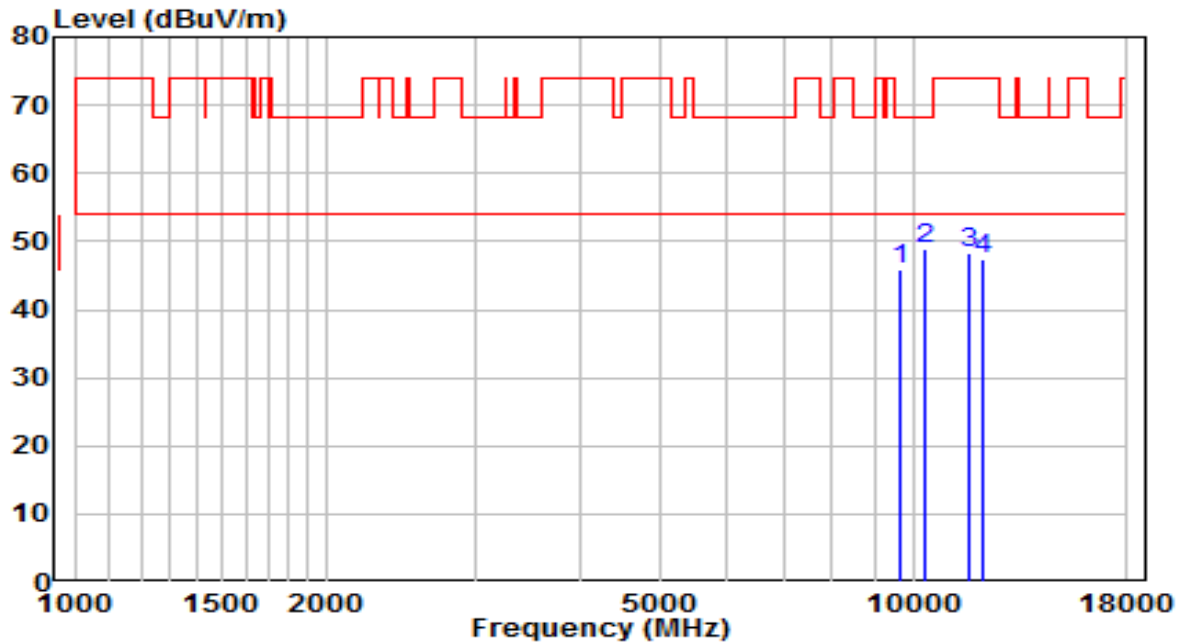


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11659.000	40.69	19.69	60.38	-13.62	74.00	Peak
2	* 11659.000	30.32	19.69	50.02	-3.98	54.00	Average
3	12143.500	31.43	18.77	50.20	-23.80	74.00	Peak
4	16708.000	30.12	22.61	52.73	-15.47	68.20	Peak
5	17473.000	30.45	27.66	58.11	-10.09	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5180MHz	Test Voltage	120V 60Hz

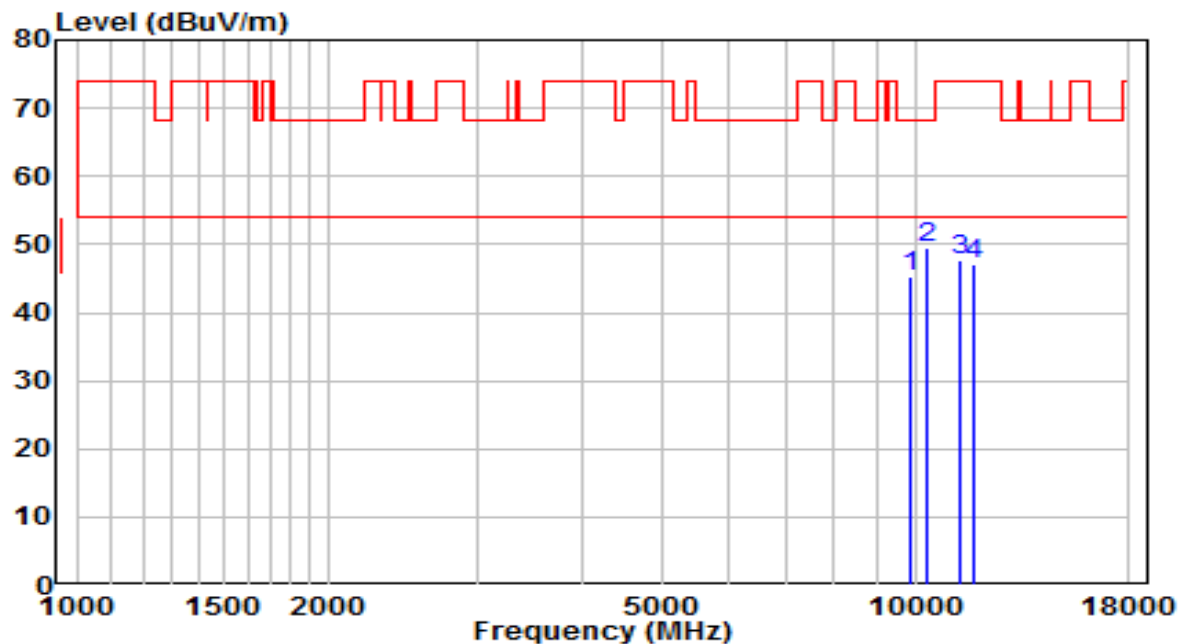


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9661.500	29.94	15.99	45.93	-22.27	68.20	Peak
2	* 10358.500	30.93	18.00	48.93	-19.27	68.20	Peak
3	11659.000	28.49	19.69	48.18	-25.82	74.00	Peak
4	12109.500	28.51	18.81	47.32	-26.68	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5180MHz	Test Voltage	120V 60Hz

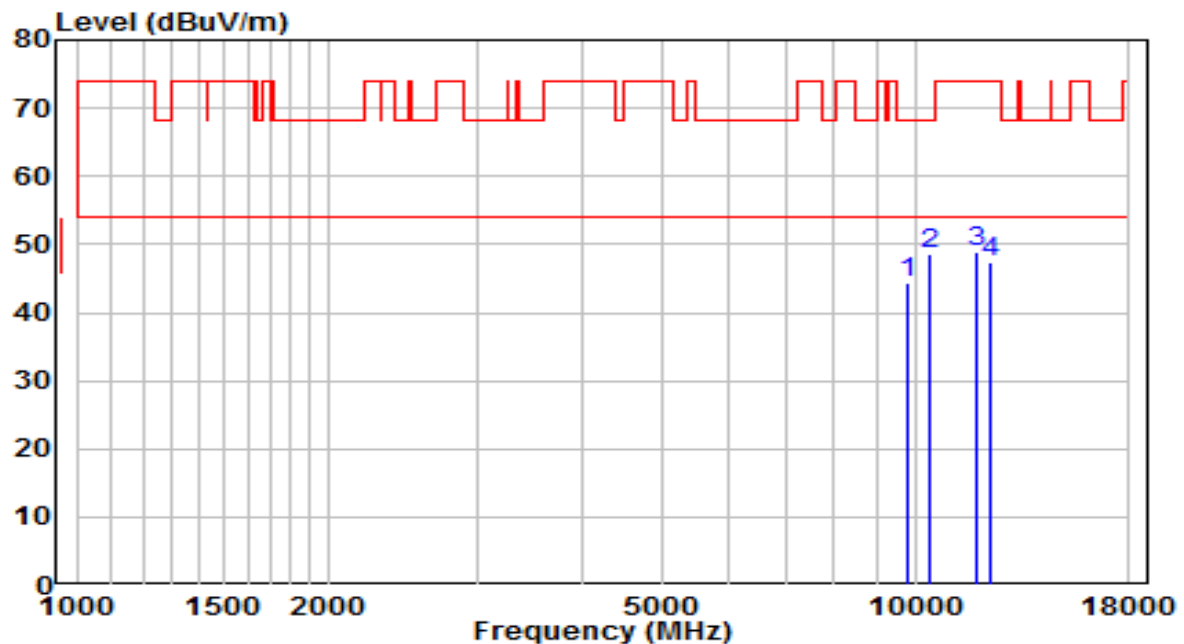


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9891.000	29.02	16.38	45.40	-22.80	68.20	Peak
2	* 10358.500	31.53	18.00	49.54	-18.66	68.20	Peak
3	11319.000	27.95	19.77	47.72	-26.28	74.00	Peak
4	11761.000	27.73	19.46	47.19	-26.81	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5220MHz	Test Voltage	120V 60Hz

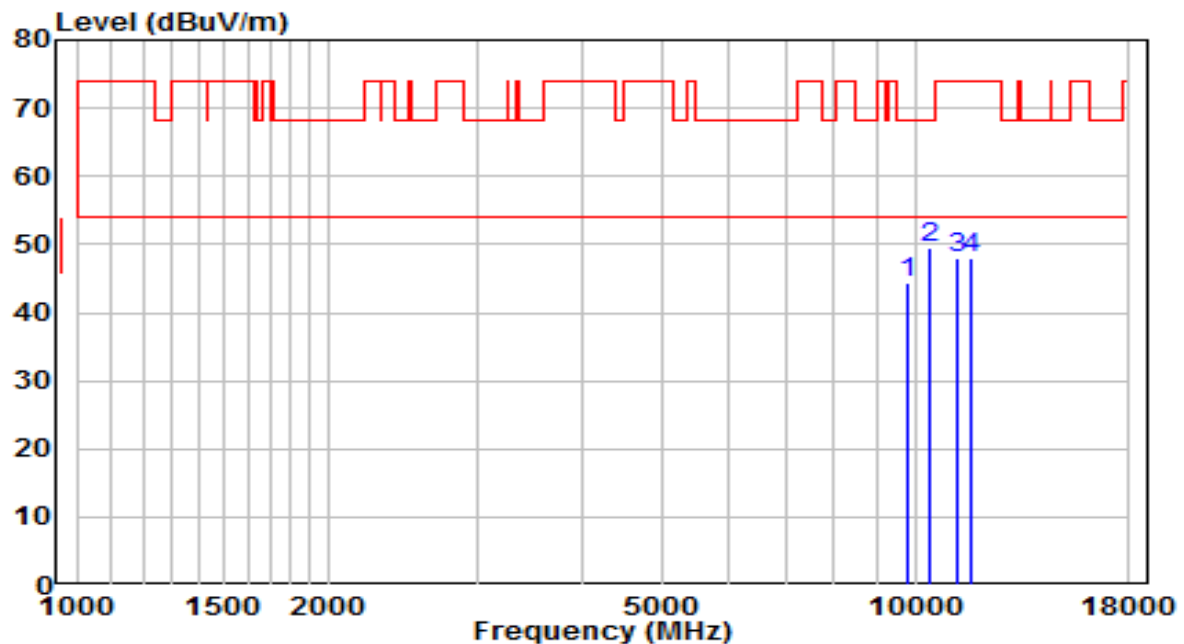


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9806.000	28.02	16.23	44.25	-23.95	68.20	Peak
2	* 10443.500	30.27	18.34	48.61	-19.59	68.20	Peak
3	11803.500	29.51	19.36	48.87	-25.13	74.00	Peak
4	12254.000	28.71	18.66	47.37	-26.63	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5220MHz	Test Voltage	120V 60Hz

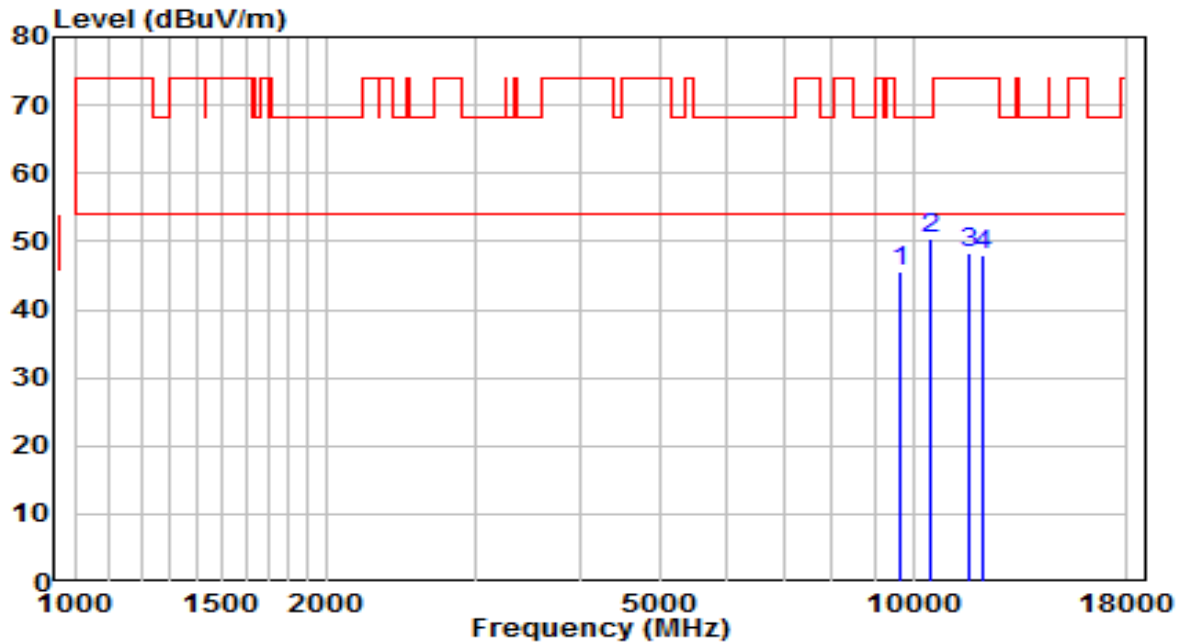


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9772.000	28.28	16.18	44.45	-23.75	68.20	Peak
2	* 10435.000	31.30	18.31	49.61	-18.59	68.20	Peak
3	11208.500	28.40	19.60	48.00	-26.00	74.00	Peak
4	11650.500	28.34	19.71	48.05	-25.95	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5240MHz	Test Voltage	120V 60Hz

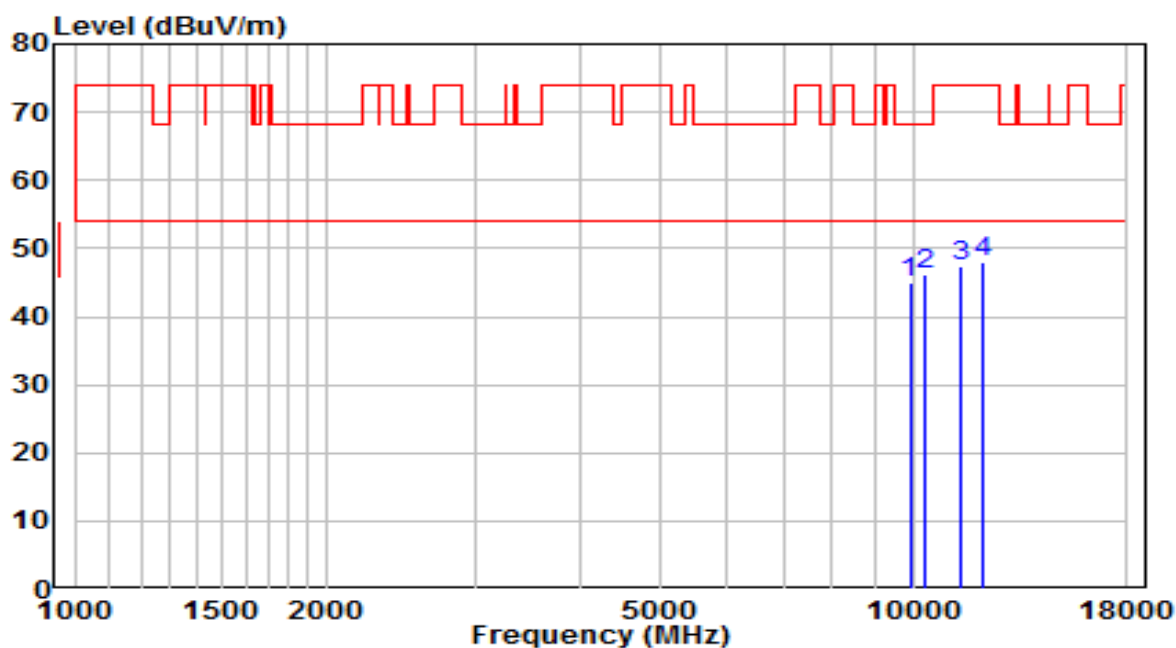


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9653.000	29.46	15.98	45.44	-22.76	68.20	Peak
2	* 10477.500	32.07	18.48	50.55	-17.65	68.20	Peak
3	11659.000	28.59	19.69	48.28	-25.72	74.00	Peak
4	12143.500	29.08	18.77	47.85	-26.15	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5240MHz	Test Voltage	120V 60Hz

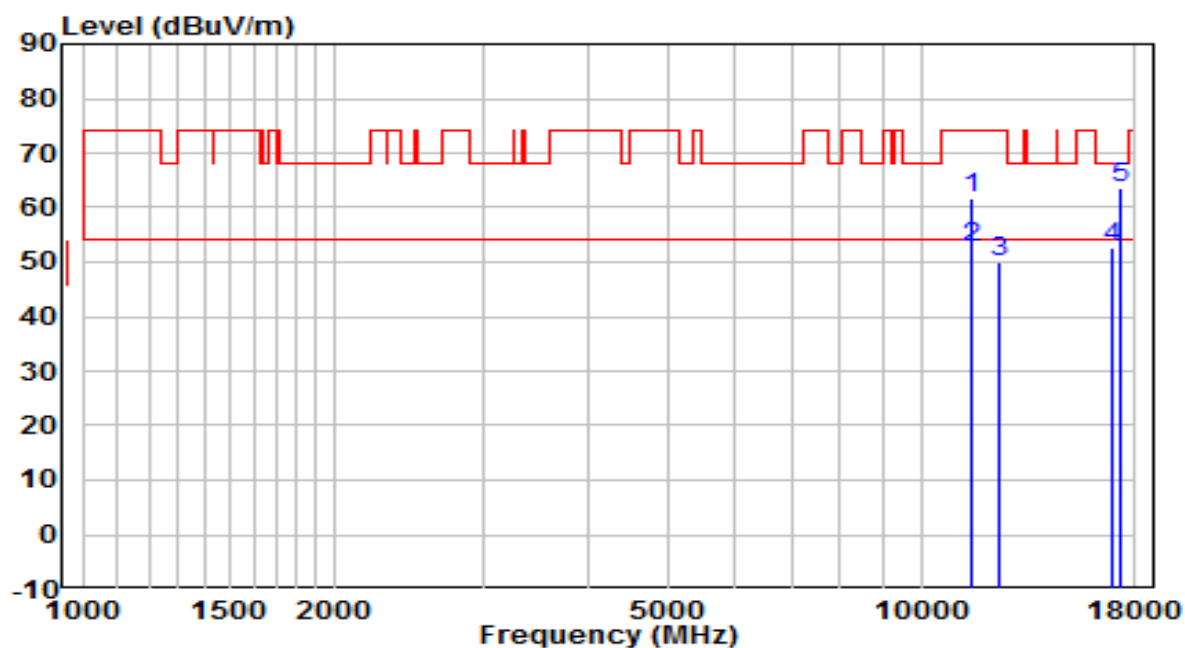


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9908.000	28.66	16.41	45.07	-23.13	68.20	Peak
2	* 10307.500	28.52	17.80	46.32	-21.88	68.20	Peak
3	11361.500	27.63	19.84	47.46	-26.54	74.00	Peak
4	12126.500	29.06	18.79	47.85	-26.15	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5745MHz	Test Voltage	110V/60Hz

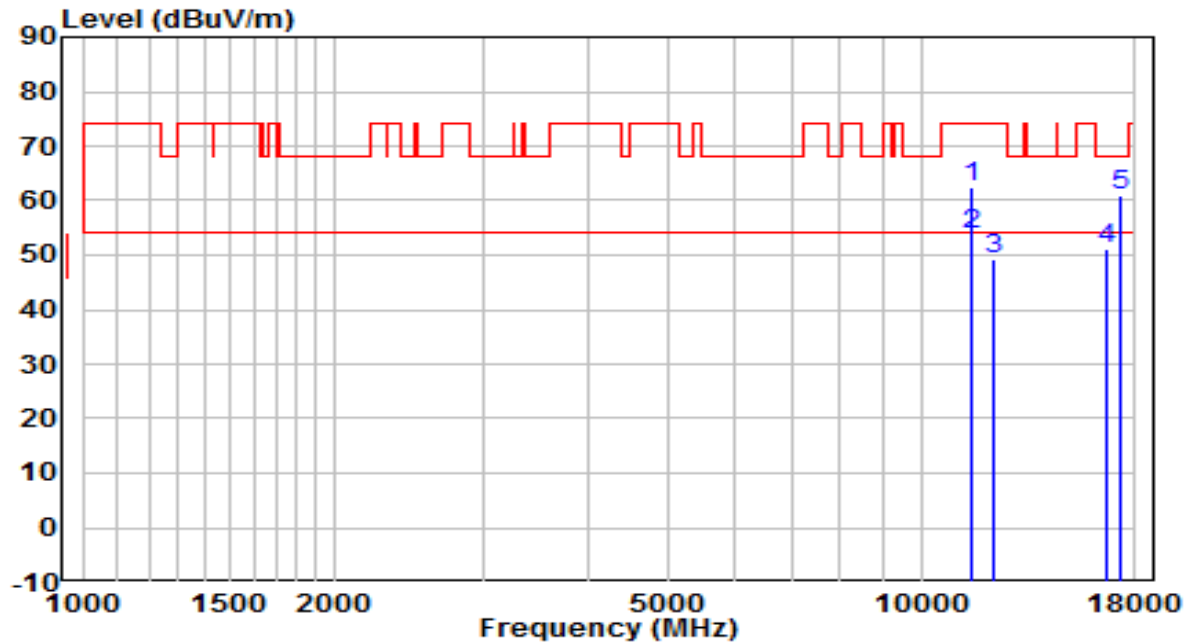


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11489.000	41.77	20.03	61.81	-12.19	74.00	Peak
2	* 11489.000	32.63	20.03	52.67	-1.33	54.00	Average
3	12415.500	31.32	18.49	49.82	-24.18	74.00	Peak
4	16869.500	28.85	23.66	52.52	-15.68	68.20	Peak
5	17226.500	37.67	26.02	63.69	-4.51	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5745MHz	Test Voltage	110V/60Hz

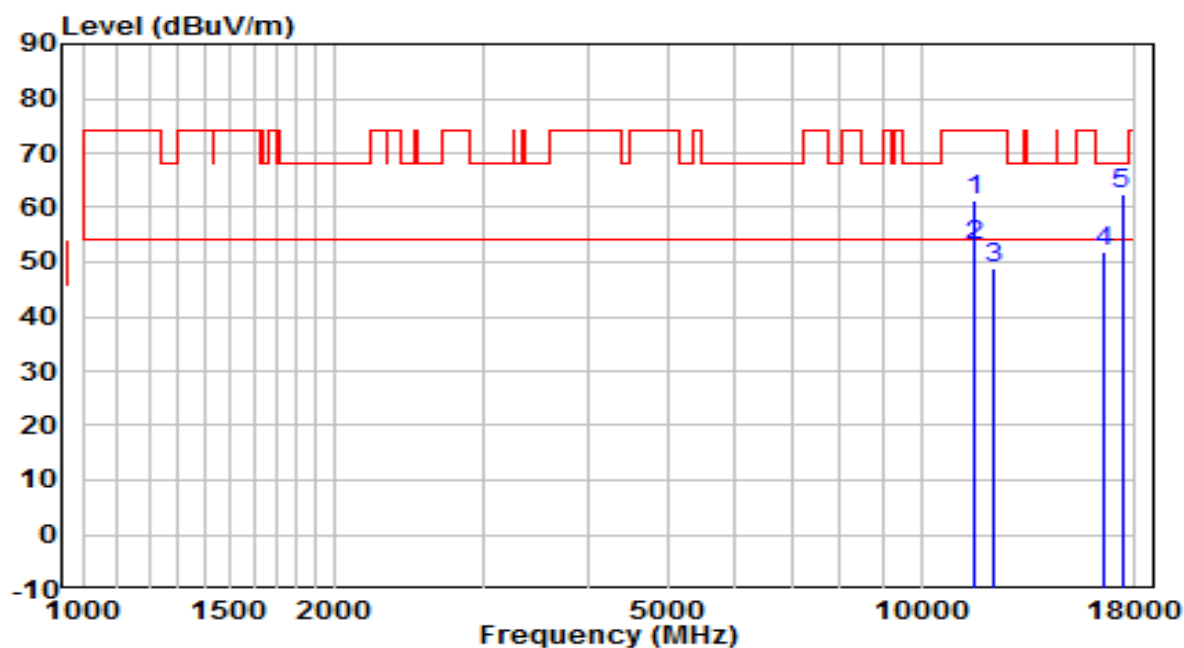


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11489.000	42.53	20.03	62.57	-11.43	74.00	Peak
2	* 11489.000	33.76	20.03	53.79	-0.21	54.00	Average
3	12220.000	30.44	18.69	49.14	-24.86	74.00	Peak
4	16631.500	29.08	22.11	51.19	-17.01	68.20	Peak
5	17235.000	34.98	26.08	61.05	-7.15	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5785MHz	Test Voltage	110V/60Hz

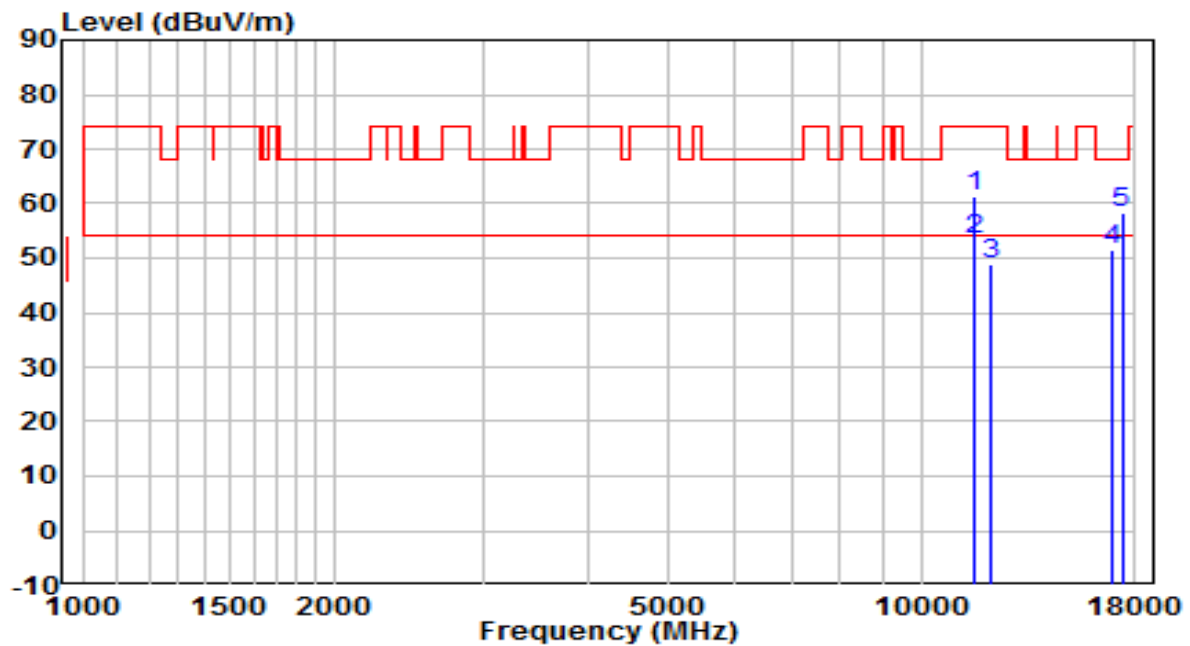


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11574.000	41.39	19.88	61.27	-12.73	74.00	Peak
2	* 11574.000	33.08	19.88	52.96	-1.04	54.00	Average
3	12160.500	30.06	18.75	48.81	-25.19	74.00	Peak
4	16538.000	30.26	21.51	51.77	-16.43	68.20	Peak
5	17354.000	35.56	26.87	62.43	-5.77	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5785MHz	Test Voltage	110V/60Hz

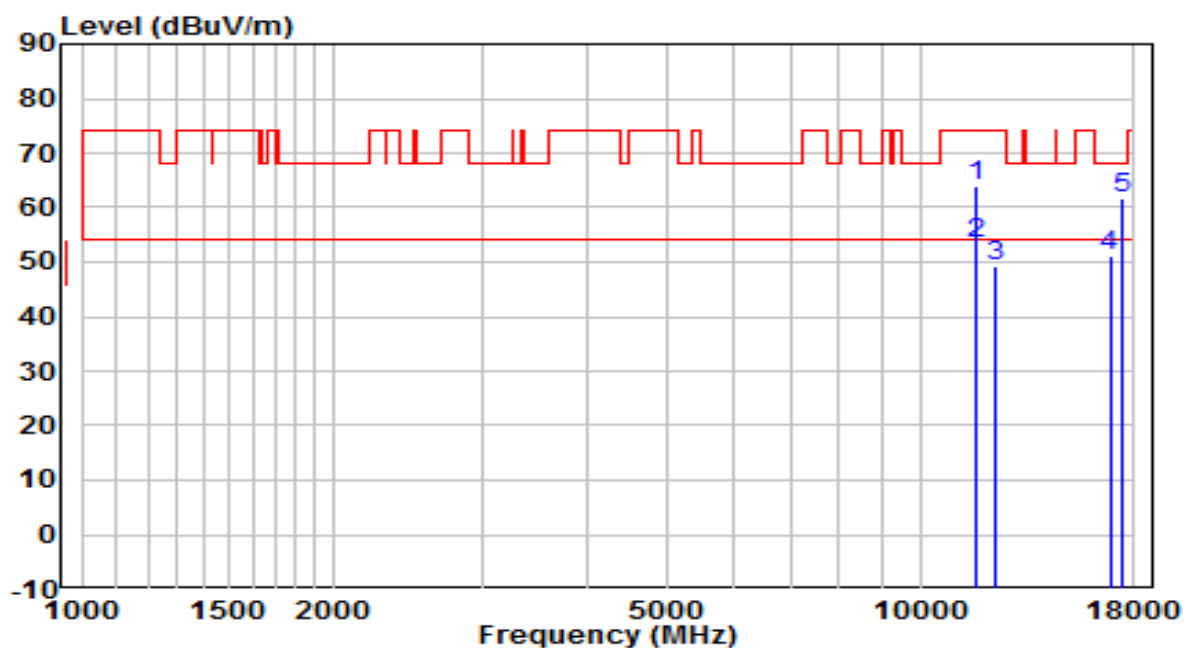


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11565.500	41.38	19.90	61.28	-12.72	74.00	Peak
2	* 11565.500	33.47	19.90	53.37	-0.63	54.00	Average
3	12135.000	30.27	18.78	49.05	-24.95	74.00	Peak
4	16878.000	27.93	23.72	51.65	-16.55	68.20	Peak
5	17354.000	31.33	26.87	58.20	-10.00	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5825MHz	Test Voltage	110V/60Hz

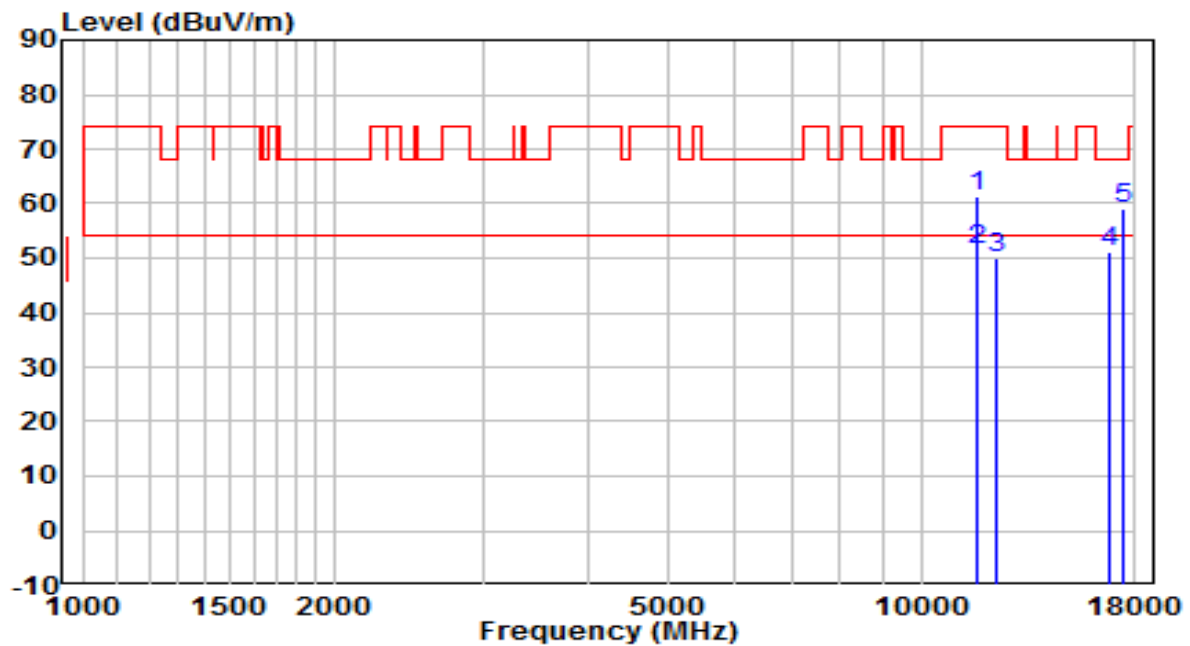


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11659.000	44.37	19.69	64.06	-9.94	74.00	Peak
2	* 11659.000	33.70	19.69	53.39	-0.61	54.00	Average
3	12288.000	30.65	18.62	49.27	-24.73	74.00	Peak
4	16835.500	27.80	23.44	51.24	-16.96	68.20	Peak
5	17473.000	34.13	27.66	61.79	-6.41	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT20 at Channel 5825MHz	Test Voltage	110V/60Hz

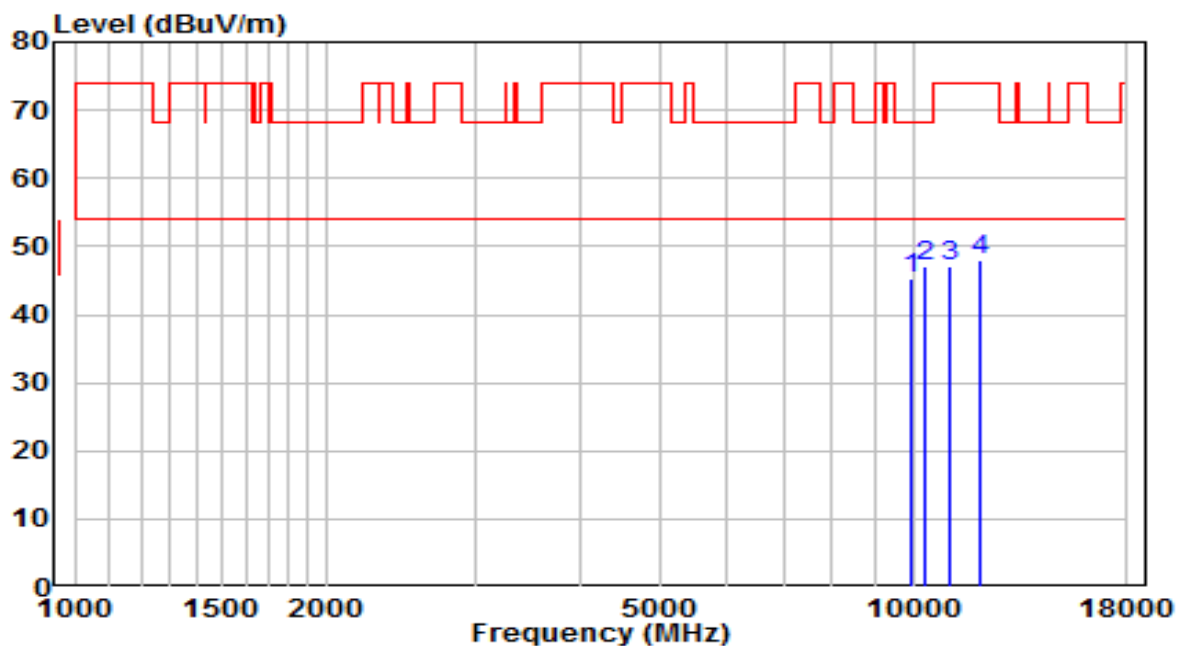


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11650.500	41.63	19.71	61.34	-12.66	74.00	Peak
2	* 11650.500	31.77	19.71	51.48	-2.52	54.00	Average
3	12339.000	31.43	18.57	50.00	-24.00	74.00	Peak
4	16784.500	27.85	23.11	50.96	-17.24	68.20	Peak
5	17464.500	31.63	27.60	59.24	-8.96	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5190MHz	Test Voltage	120V 60Hz

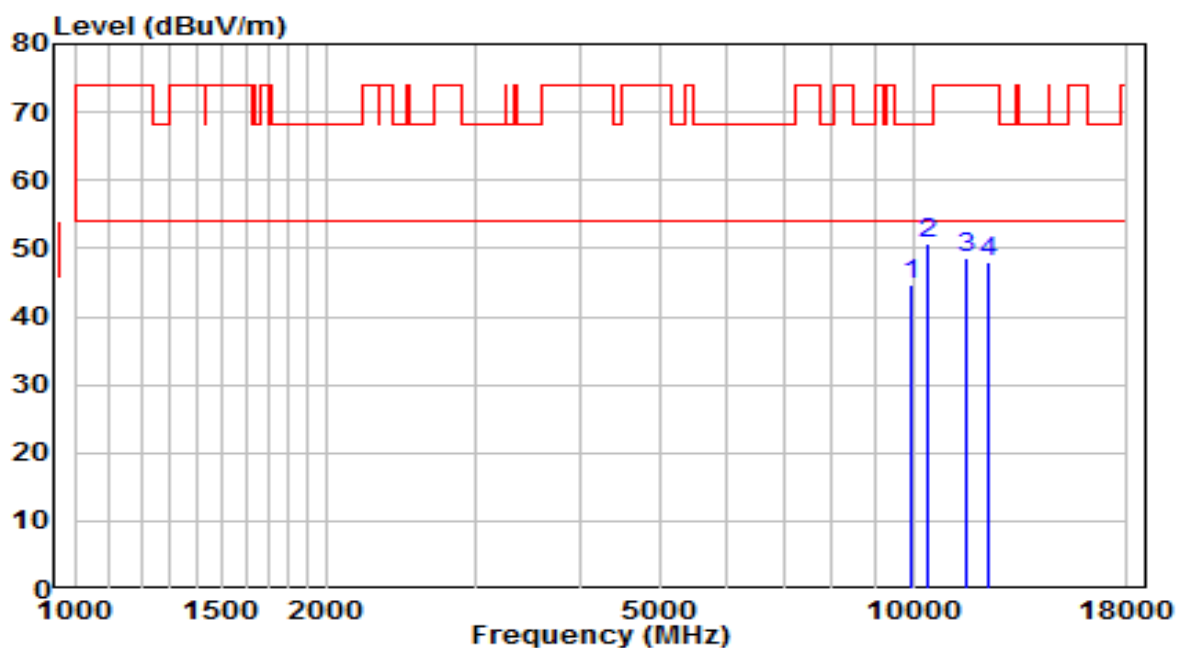


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9976.000	28.87	16.52	45.39	-22.81	68.20	Peak
2	* 10358.500	29.18	18.00	47.18	-21.02	68.20	Peak
3	11089.500	27.74	19.42	47.16	-26.84	74.00	Peak
4	12024.500	29.22	18.89	48.12	-25.88	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5190MHz	Test Voltage	120V 60Hz

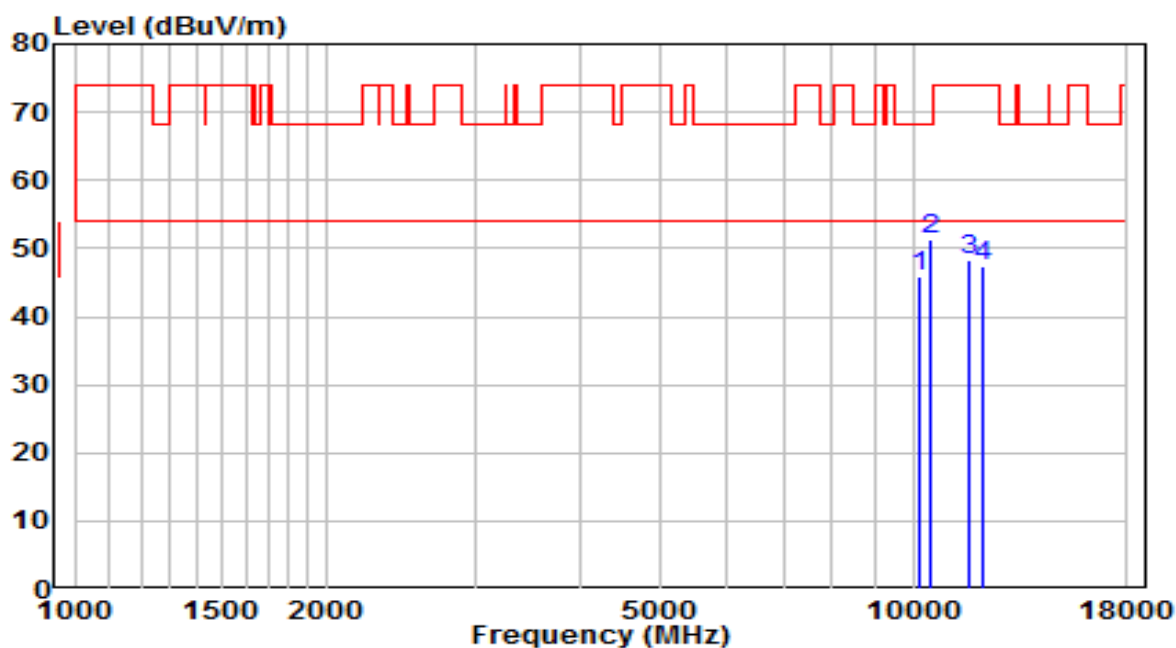


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9976.000	28.21	16.52	44.73	-23.47	68.20	Peak
2	* 10375.500	32.60	18.07	50.67	-17.53	68.20	Peak
3	11591.000	28.82	19.84	48.66	-25.34	74.00	Peak
4	12322.000	29.47	18.59	48.06	-25.94	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5230MHz	Test Voltage	120V 60Hz

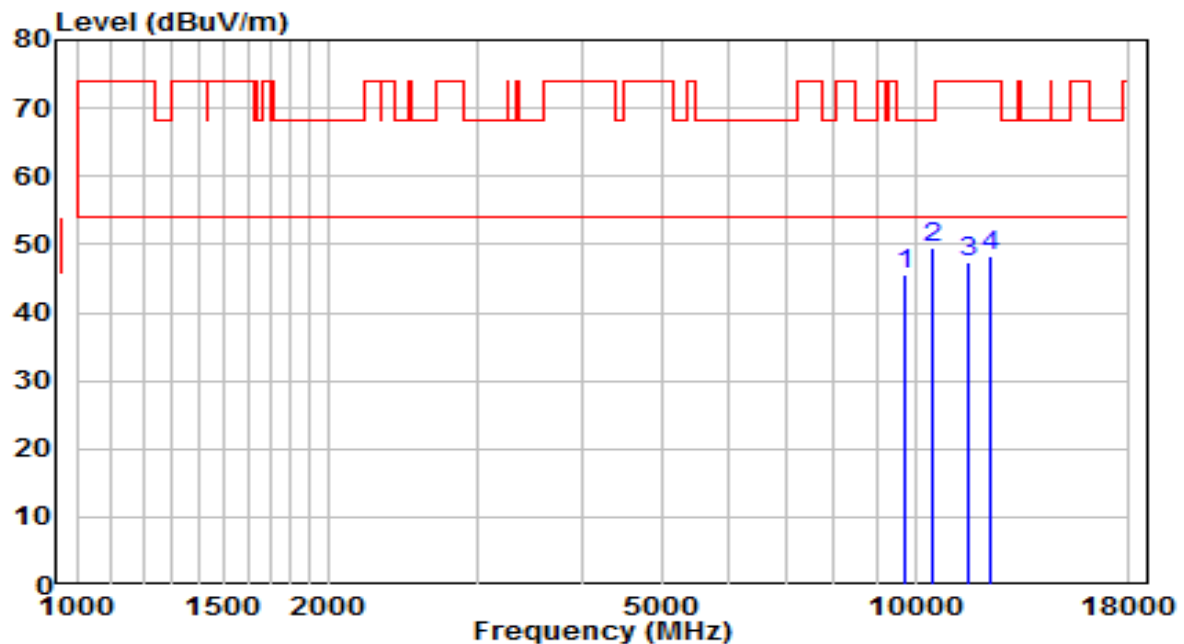


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	10171.500	28.62	17.25	45.87	-22.33	68.20	Peak
2	* 10460.500	32.88	18.41	51.29	-16.91	68.20	Peak
3	11633.500	28.46	19.75	48.21	-25.79	74.00	Peak
4	12126.500	28.70	18.79	47.49	-26.51	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5230MHz	Test Voltage	120V 60Hz

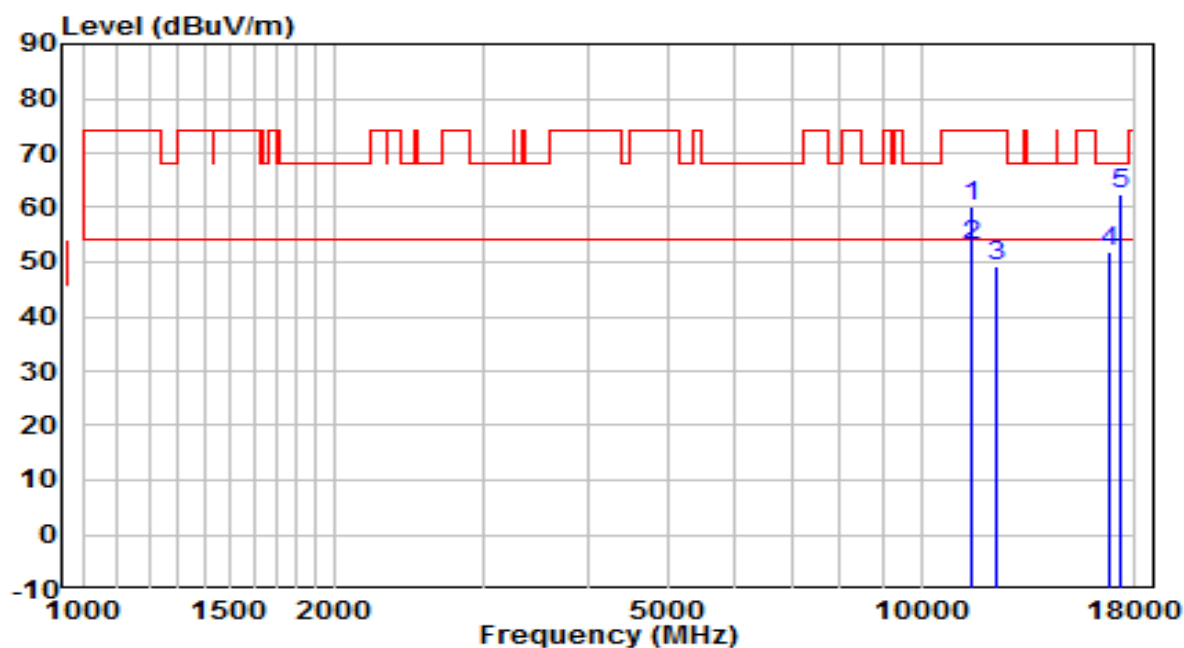


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9712.500	29.62	16.08	45.70	-22.50	68.20	Peak
2	* 10460.500	31.14	18.41	49.55	-18.65	68.20	Peak
3	11565.500	27.57	19.90	47.47	-26.53	74.00	Peak
4	12271.000	29.66	18.64	48.30	-25.70	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5755MHz	Test Voltage	110V/60Hz

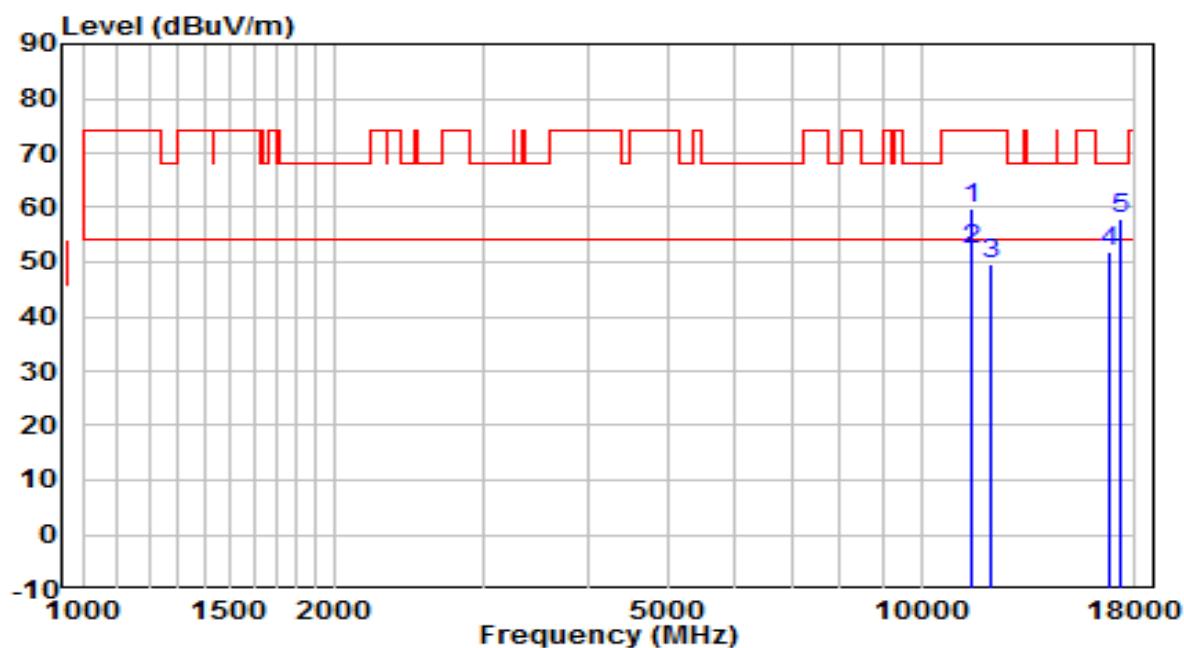


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11514.500	40.17	20.02	60.19	-13.81	74.00	Peak
2	* 11514.500	33.09	20.02	53.11	-0.89	54.00	Average
3	12271.000	30.60	18.64	49.24	-24.76	74.00	Peak
4	16776.000	28.68	23.05	51.74	-16.46	68.20	Peak
5	17269.000	36.02	26.30	62.32	-5.88	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5755MHz	Test Voltage	110V/60Hz

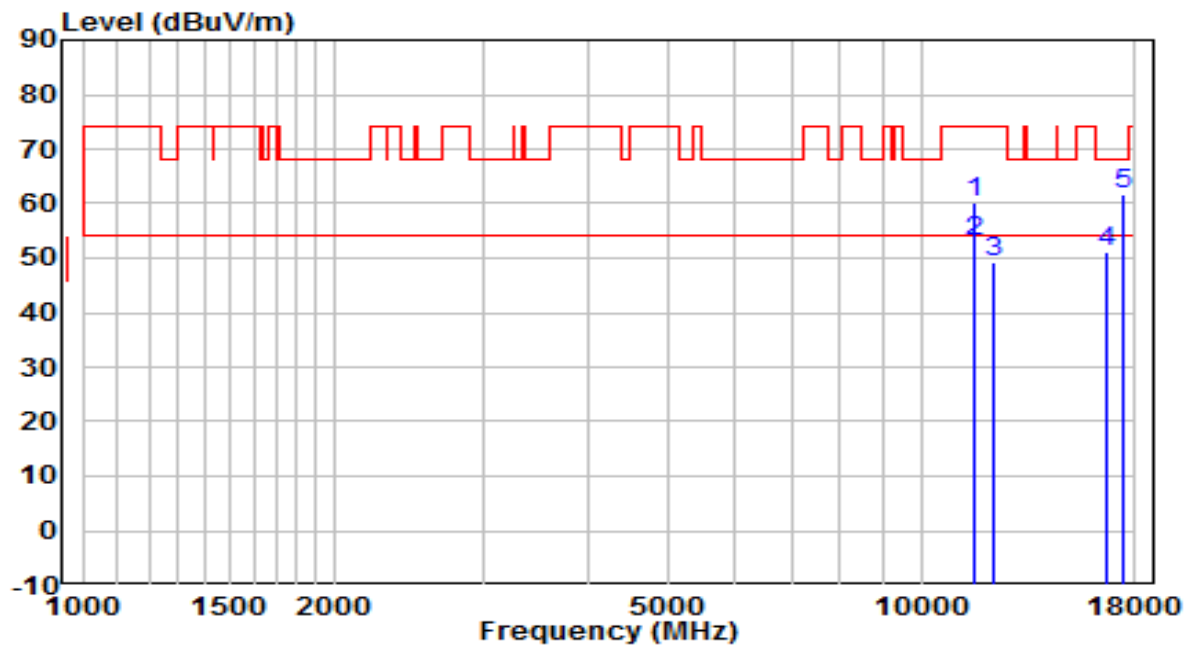


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11514.500	39.63	20.02	59.64	-14.36	74.00	Peak
2	* 11514.500	32.39	20.02	52.40	-1.60	54.00	Average
3	12118.000	30.91	18.80	49.71	-24.29	74.00	Peak
4	16793.000	28.62	23.16	51.78	-16.42	68.20	Peak
5	17269.000	31.72	26.30	58.02	-10.18	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5795MHz	Test Voltage	110V/60Hz

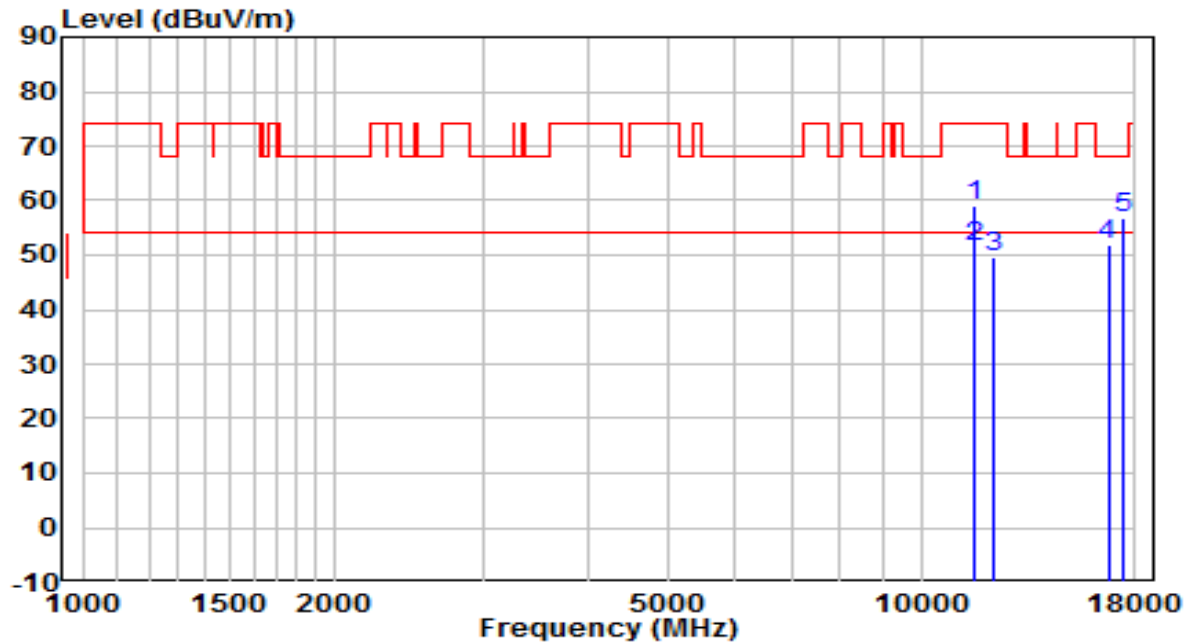


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11591.000	40.52	19.84	60.36	-13.64	74.00	Peak
2	* 11591.000	33.36	19.84	53.20	-0.80	54.00	Average
3	12237.000	30.46	18.68	49.13	-24.87	74.00	Peak
4	16648.500	29.10	22.23	51.32	-16.88	68.20	Peak
5	17379.500	34.64	27.04	61.68	-6.52	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT40 at Channel 5795MHz	Test Voltage	110V/60Hz

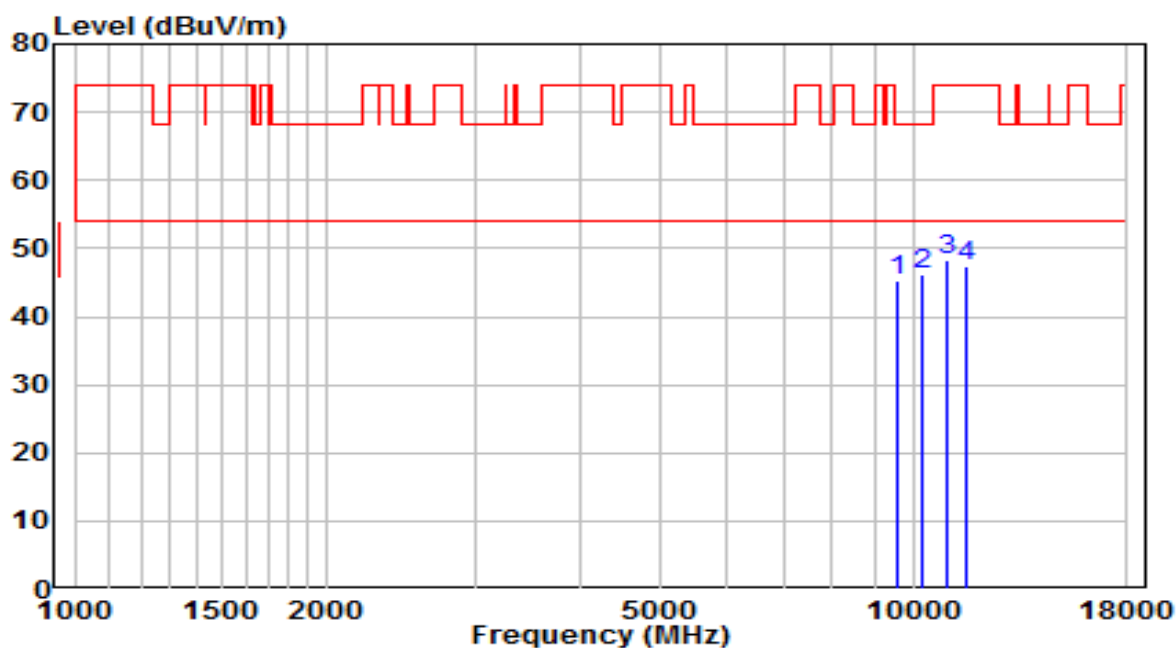


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11591.000	39.11	19.84	58.95	-15.05	74.00	Peak
2	* 11591.000	31.50	19.84	51.34	-2.66	54.00	Average
3	12186.000	30.91	18.73	49.64	-24.36	74.00	Peak
4	16708.000	29.29	22.61	51.90	-16.30	68.20	Peak
5	17396.500	29.61	27.15	56.76	-11.44	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5210MHz	Test Voltage	120V 60Hz

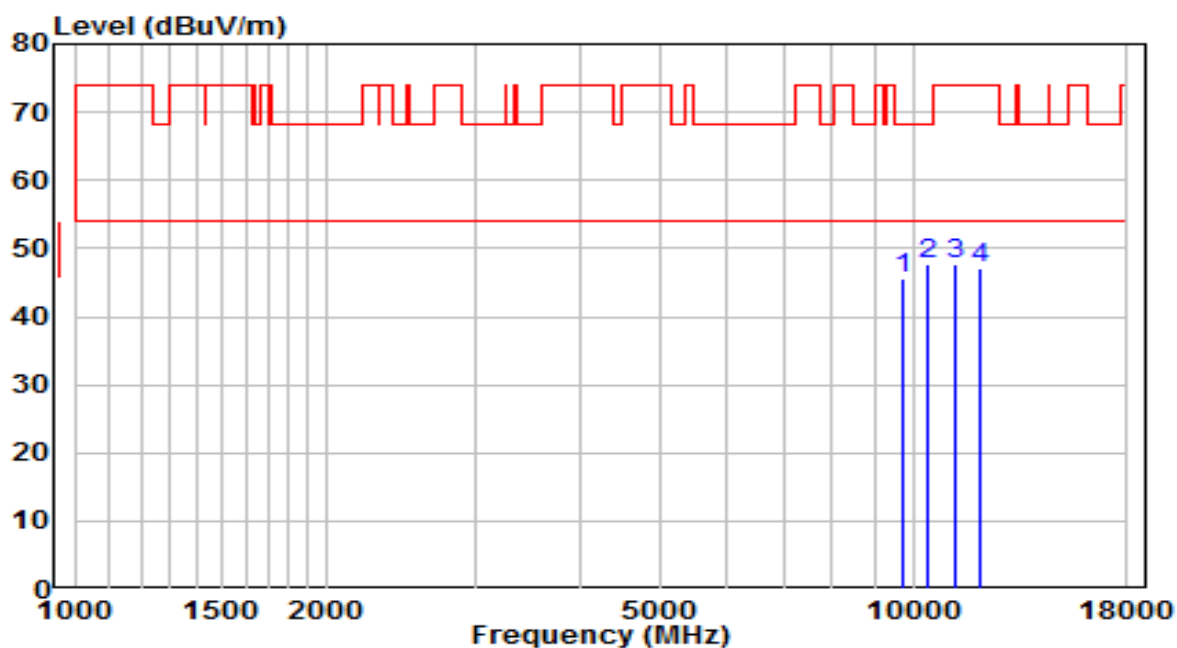


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9593.500	29.49	15.88	45.37	-22.83	68.20	Peak
2	* 10239.500	28.67	17.52	46.19	-22.01	68.20	Peak
3	10936.500	29.13	19.19	48.32	-25.68	74.00	Peak
4	11548.500	27.60	19.94	47.54	-26.46	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	22.9°C/17.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5210MHz	Test Voltage	120V 60Hz

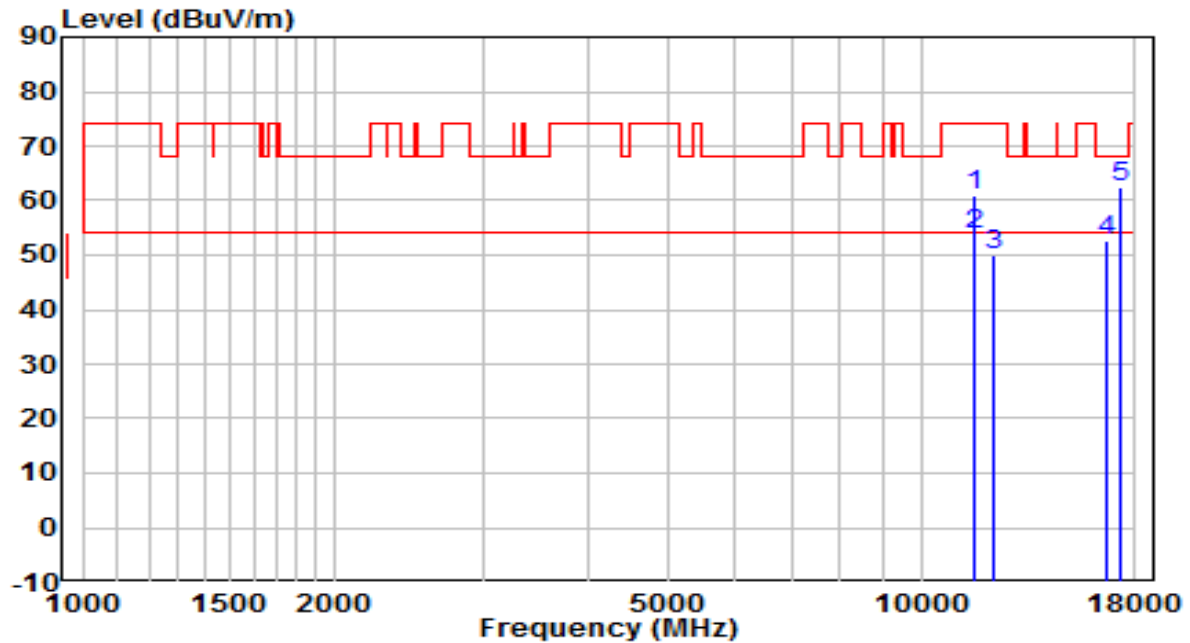


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	9738.000	29.60	16.12	45.72	-22.48	68.20	Peak
2	* 10426.500	29.54	18.27	47.81	-20.39	68.20	Peak
3	11208.500	27.95	19.60	47.55	-26.45	74.00	Peak
4	12041.500	28.24	18.88	47.12	-26.88	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5775MHz	Test Voltage	110V/60Hz

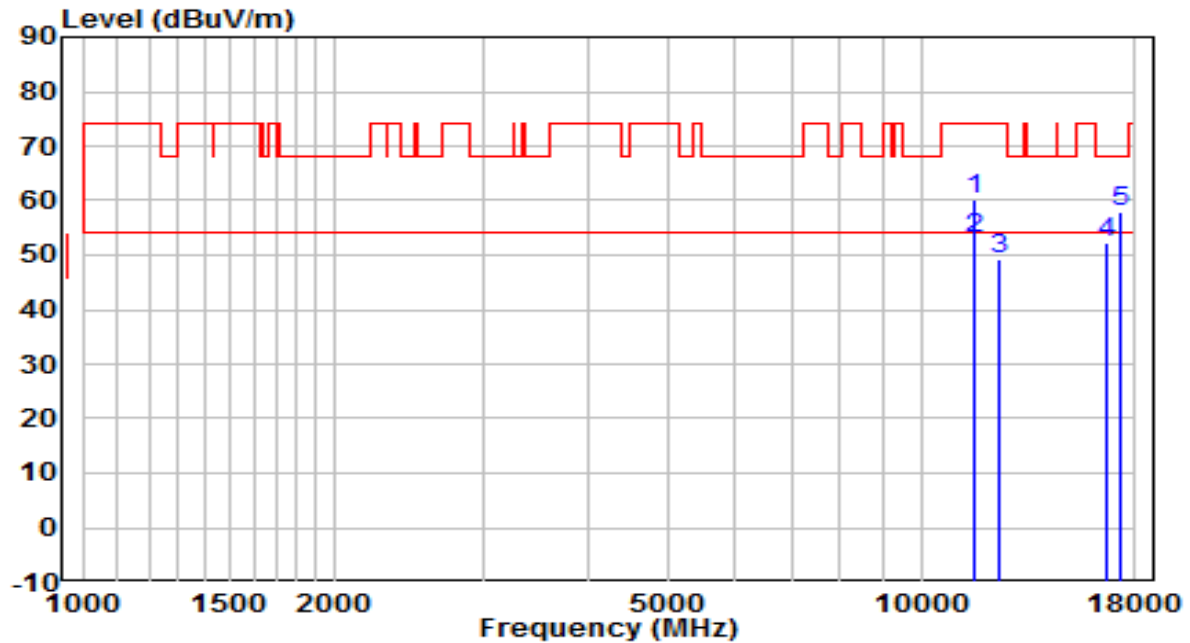


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11574.000	41.15	19.88	61.04	-12.96	74.00	Peak
2	* 11574.000	33.76	19.88	53.64	-0.36	54.00	Average
3	12169.000	31.33	18.75	50.07	-23.93	74.00	Peak
4	16657.000	30.33	22.28	52.61	-15.59	68.20	Peak
5	17337.000	35.66	26.75	62.41	-5.79	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11ac-VHT80 at Channel 5775MHz	Test Voltage	110V/60Hz

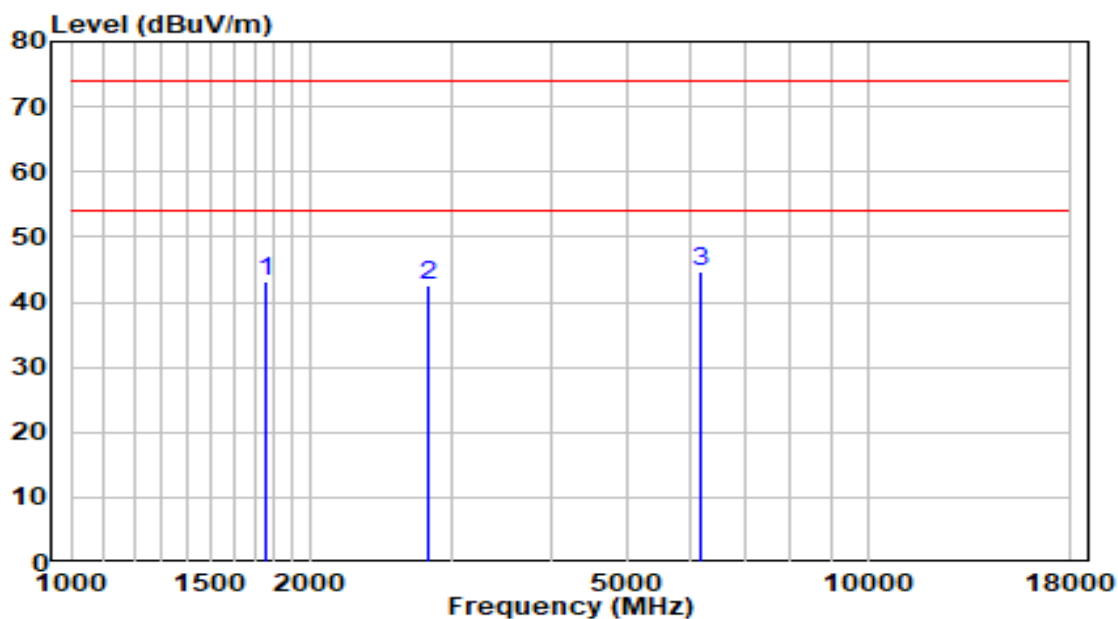


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	11565.500	40.44	19.90	60.34	-13.66	74.00	Peak
2	* 11565.500	33.07	19.90	52.97	-1.03	54.00	Average
3	12407.000	30.74	18.50	49.24	-24.76	74.00	Peak
4	16699.500	29.53	22.56	52.09	-16.11	68.20	Peak
5	17320.000	31.43	26.64	58.07	-10.13	68.20	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Receive by 802.11a at Channel 5785MHz	Test Voltage	110V/60Hz

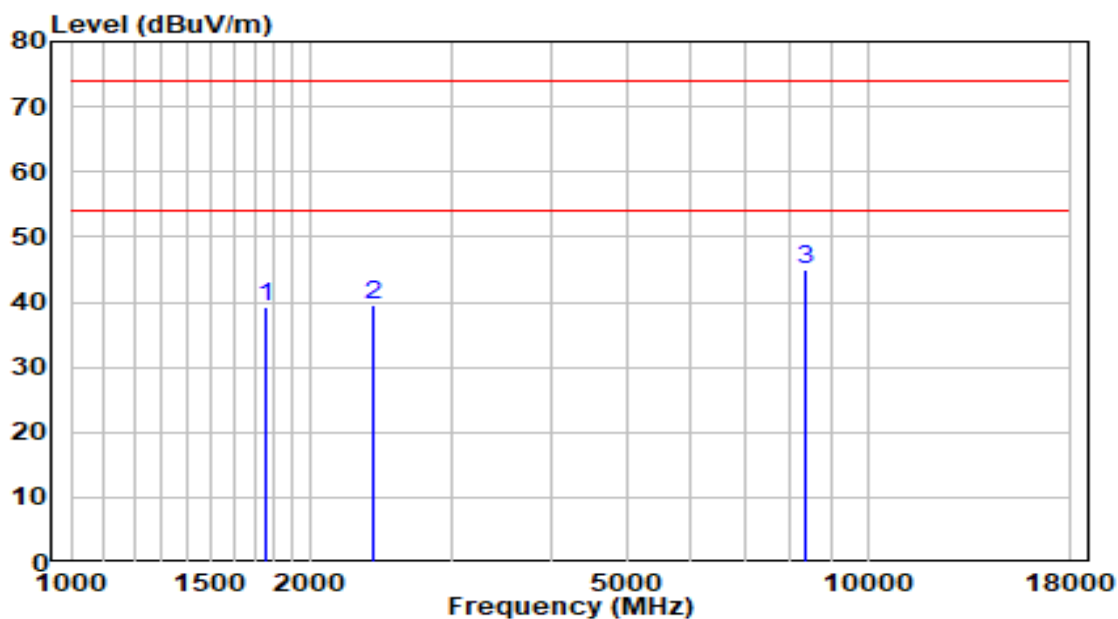


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	1756.500	47.22	-4.16	43.06	-30.94	74.00	Peak
2	2802.000	44.12	-1.69	42.44	-31.56	74.00	Peak
3	* 6193.500	37.19	7.40	44.60	-29.40	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	20.2°C/26.3%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at Channel 5785MHz	Test Voltage	110V/60Hz



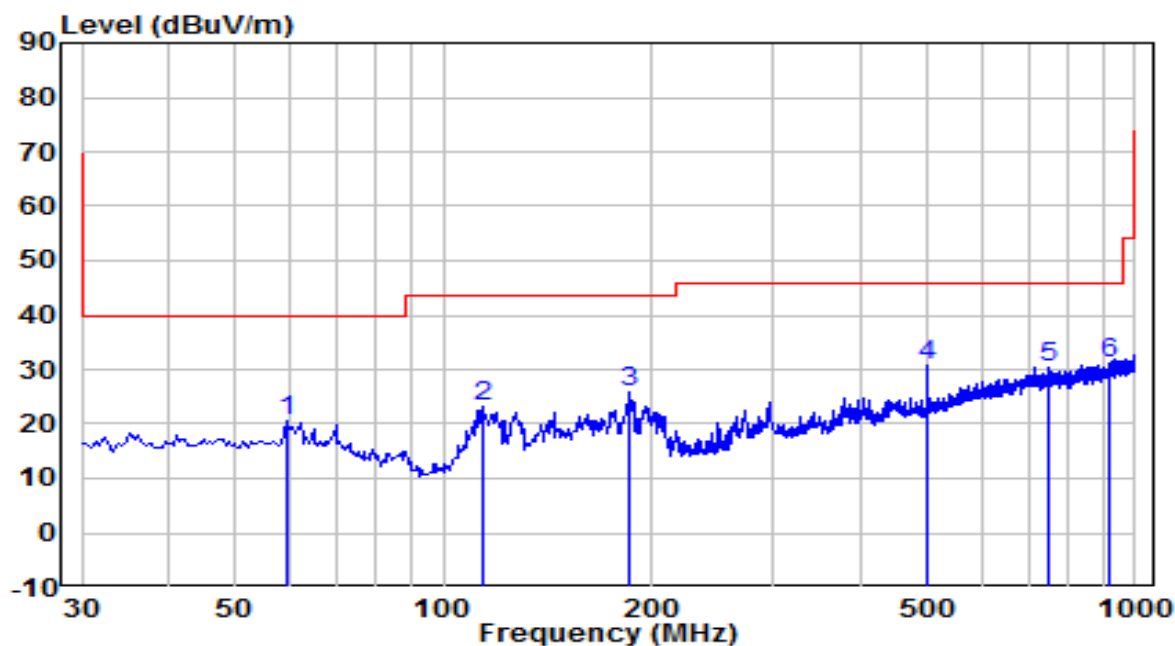
No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	1756.500	43.48	-4.16	39.32	-34.68	74.00	Peak
2	2402.500	41.40	-1.99	39.41	-34.59	74.00	Peak
3	* 8352.500	31.50	13.59	45.09	-28.91	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB/m)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

The Result of Radiated Emission below 1GHz:

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	VULB 9162	Temp. / Humidity	23.7°C /23%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit at by 802.11a at channel 5785MHz	Test Voltage	110V/60Hz

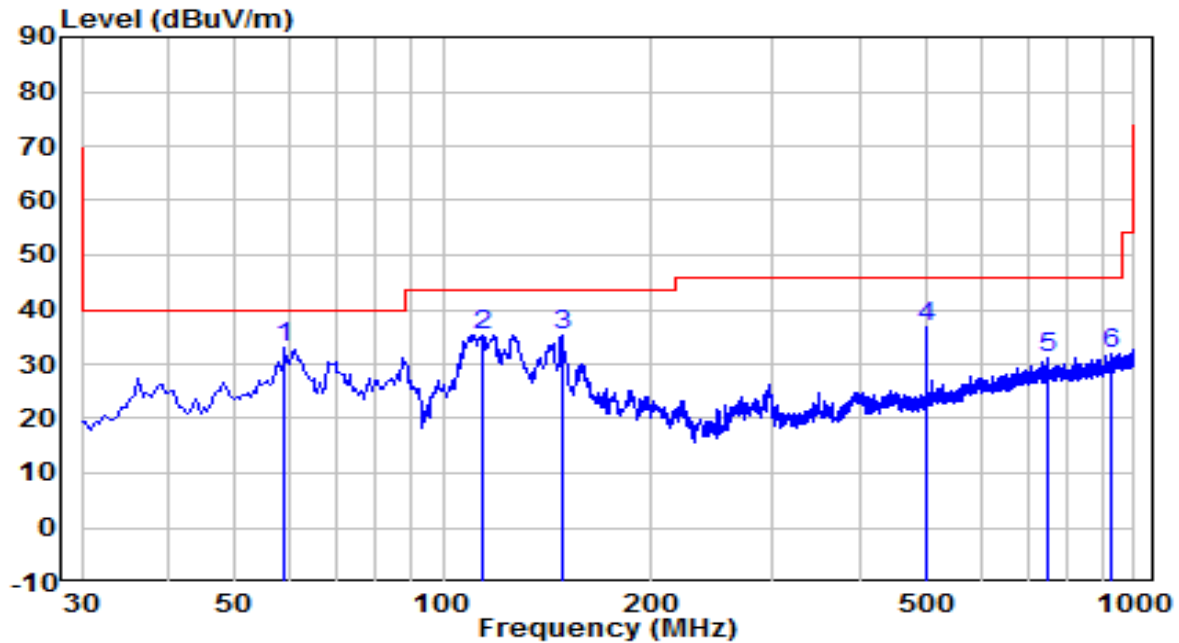


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	59.585	0.18	20.29	20.47	-19.53	40.00	Peak
2	113.905	5.01	18.14	23.15	-20.35	43.50	Peak
3	185.685	7.64	18.25	25.90	-17.60	43.50	Peak
4	499.965	4.69	26.22	30.91	-15.09	46.00	Peak
5	750.225	0.39	30.11	30.50	-15.50	46.00	Peak
6	* 916.095	-0.89	31.90	31.01	-14.99	46.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
- Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.
- The amplitude of Radiated emissions (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

EUT	AC1200 完整家庭 Mesh Wi-Fi 系統	Date of Test	2021-12-28
Factor	VULB 9162	Temp. / Humidity	23.7°C /23%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Transmit by 802.11a at channel 5785MHz	Test Voltage	110V/60Hz



No		Frequency (MHz)	Reading (dBμV)	C.F (dB/m)	Measurement (dBμV/m)	Margin (dB)	Limit (dBμV/m)	Remark (QP/PK/AV)
1	*	59.100	12.58	20.38	32.95	-7.05	40.00	Peak
2		114.390	17.27	18.06	35.34	-8.16	43.50	Peak
3		148.340	19.41	15.98	35.40	-8.10	43.50	Peak
4		499.965	10.42	26.22	36.64	-9.36	46.00	Peak
5		750.225	0.94	30.11	31.05	-14.95	46.00	Peak
6		927.250	-0.20	31.98	31.78	-14.22	46.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB) + Cable Loss (dB).
3. Measurement(dBμV/m) = Reading(dBμV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. The amplitude of Radiated emissions (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value. Therefore, the data is not presented in the report.

The End