

NCC

低功率射頻器材型式試驗報告

產品名稱: ACCESS POINT
型號: APIN0635
廠牌:  
申請者: 慧與科技股份有限公司
申請者地址: 臺北市南港區經貿二路 66 號 10 樓之 1
測試標準: LP0002 (109 年版)
參考法規: ANSI C63.10-2013
測試結果: 符合
接收日期: 2021.01.13
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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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1. 一般資訊

申請者	慧興科技股份有限公司
申請者地址	臺北市南港區經貿二路 66 號 10 樓之 1
製造商	Hewlett Packard Enterprise Company
製造商地址	3333 Scott Blvd, Santa Clara, CA 95054, USA
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	ACCESS POINT
產品型號	APIN0635
待測物額定電壓	AC Adapter or PoE input
無線規格	802.11a/b/g/n/ac/ax
頻率範圍	802.11b/g/n-HT20/ax-HE20: 2412 ~ 2462MHz 802.11n-HT40/ax-HE40: 2422 ~ 2452MHz
通道數量	802.11b/g/n-HT20/ax-HE20: 11 802.11n-HT40/ax-HE40: 7
調變模式	802.11b: DSSS 802.11g/n: OFDM 802.11ax: OFDMA
傳輸速率	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ax: up to 574Mbps
頻道控制	Auto

Note:

1. For other features of this EUT, test report will be issued separately.
2. 廠牌差異為因市場銷售需求，產品外觀、軟體、其餘電路設計、印刷電路板等等並無變更(上述差異說明為廠商宣告)。

2.2. 通道清單

802.11b/g/n-HT20/ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz
04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz
10	2457 MHz	11	2462 MHz	--	--

802.11n-HT40/ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz
06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	--	--	--	--

2.3. 測試模式

Mode 1: 發射器 802.11b (1Mbps) (CDD mode)
Mode 2: 發射器 802.11g (6Mbps) (CDD mode)
Mode 3: 發射器 802.11n-HT20 (MCS0) (CDD mode)
Mode 4: 發射器 802.11n-HT40 (MCS0) (CDD mode)
Mode 5: 發射器 802.11ax-HE20 (MCS0) (CDD mode)
Mode 6: 發射器 802.11ax-HE40 (MCS0) (CDD mode)

2.5 產品濾波器描述

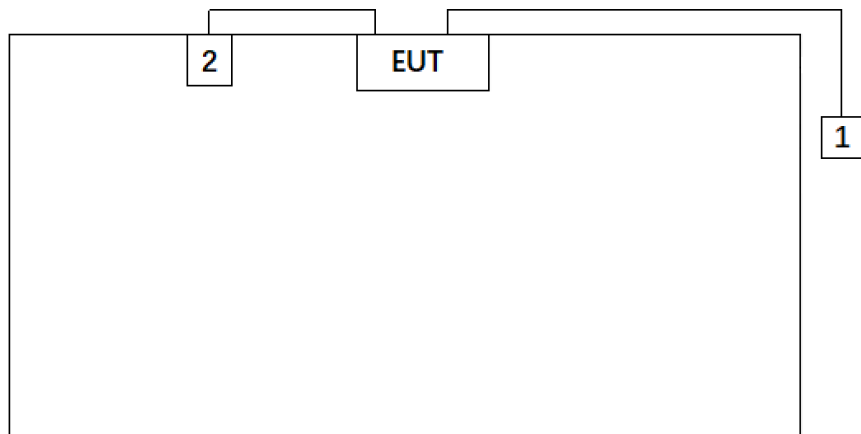
Filter	Specification	Remark
Wi-Fi		
Filter 1#	Band Pass Filter (2412-2472)	Allowing any transmission on all channels
Filter 2#	Band Pass Filter (2402-2447)	Allowing any transmission on 20MHz channels 1 thru 6.
Filter 3#	Band Pass Filter (2452-2472)	Allowing any transmission on 20MHz channel 11
Bluetooth & Zigbee		
Filter 4#	Band Pass Filter (2402-2480)	Allowing any transmission on all channels
Filter 5#	Band Pass Filter (2402-2430)	Allowing transmission on BLE channels 37 (2402MHz) and 38 (2426MHz) and Zigbee channel 11 (2405MHz)
Filter 6#	Band Pass Filter (2478-2482)	Allowing transmission on BLE channel 39 (2480MHz) and Zigbee channel 26 (2480MHz)

Working Mode

Wi-Fi	Bluetooth	Remark
Filter 1#	Filter 4#	Filter 1# or Filter 4# work alone
Filter 2#	Filter 6#	Transmission simultaneously
Filter 3#	Filter 5#	Transmission simultaneously
Note: Filter groups on the 2.4GHz Wi-Fi and BLE/Zigbee outputs to prevent reverse IMD when both 2.4GHz Wi-Fi and BLE/Zigbee are transmitting simultaneously		

2. 4. 測試系統組合圖

Connection Diagram – 輻射干擾測試 & 電源端點干擾測試



2. 5. 測試周邊

Product	Manufacturer	Model No.
1 Notebook	DELL	Precision 3510
2 AC Adapter	aruba	DB-48A12

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 “QSPR” 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

傳導干擾 -SR2

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2022/3/23
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2022/4/28
8-Wire ISN (T8)	R&S	ENY81	MRTTWA00018	1 year	2022/5/30
Cable	Rosnol	N1C50-RG400-B1C50 -500CM	MRTTWE00013	1 year	2022/6/20
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24

輻射干擾 - AC1

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2021/10/5
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24
Active Loop Antenna	Schwarzbeck	FMZB 1519B	MRTTWA00002	1 year	2022/5/6
Broadband Horn antenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2022/4/21
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2022/4/28
Broadband Amplifier	Schwarzbeck	BBV 9721	MRTTWA00006	1 year	2022/4/26
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2022/4/21
Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2022/6/15

傳導量測設備 -SR2

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2021/10/14
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2022/7/19
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2022/3/24

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

ACCESS POINT
APIN0635

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
4.10.1.2	峰值傳導輸出功率	$\leq 30.00\text{dBm}$	符合	第 5.2 章節
4.10.1.3	天線之要求	低功率射頻器材技術規範 4.10.1.3 節	符合	第 5.3 章節
4.10.1.5	帶外發射限制	$\leq 30\text{dBc(Average)}$	符合	第 5.4 章節
3.6	輻射電場強度	低功率射頻器材技術規範 3.6 節	符合	第 5.5 章節
3.5	頻帶邊緣	$\leq 74\text{dBuV/m(Peak)}$ $\leq 54\text{dBuV/m(Average)}$	符合	第 5.6 章節
4.10.1.6(2)(A)	佔用頻寬	$\geq 500\text{kHz}$	符合	第 5.7 章節
4.10.1.6(2)(B)	功率頻譜密度	$\leq 8\text{dBm}$	符合	第 5.8 章節

Test Items	Filter 1#	Filter 2#	Filter 3#
佔用頻寬	●		
峰值傳導輸出功率	●	●	●
功率頻譜密度	●		
帶外發射限制	●	●	●
輻射電場強度	●	●	●
頻帶邊緣	●	●	●
電源傳導	●		

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

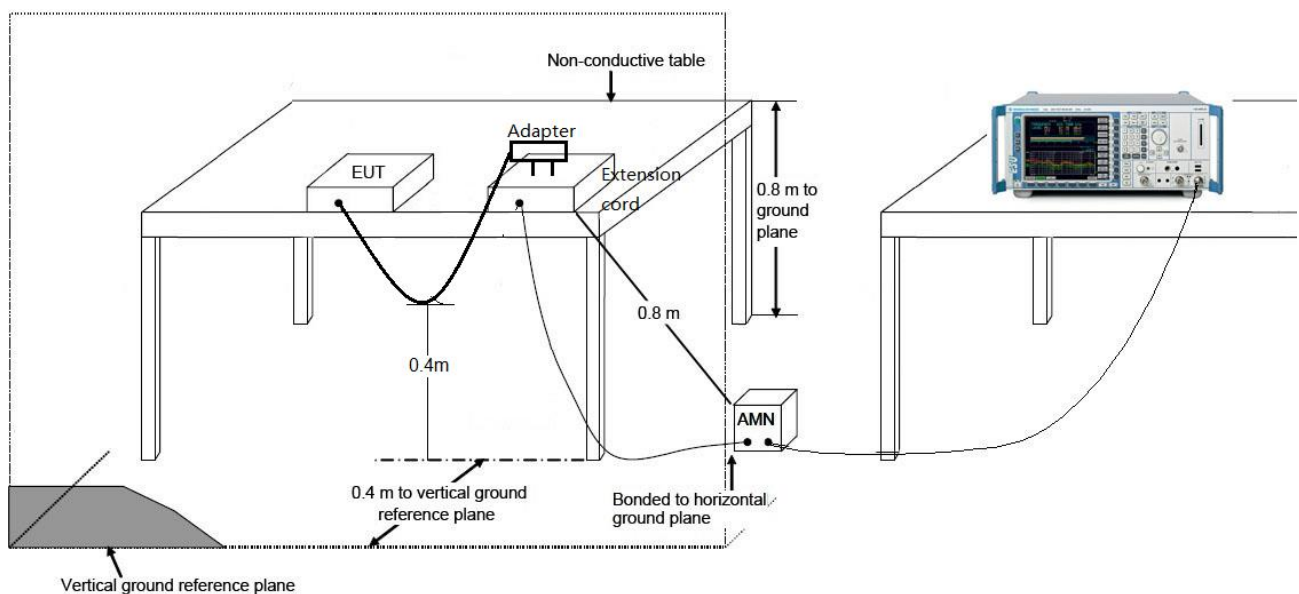
註:隨頻率之對數遞減

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。

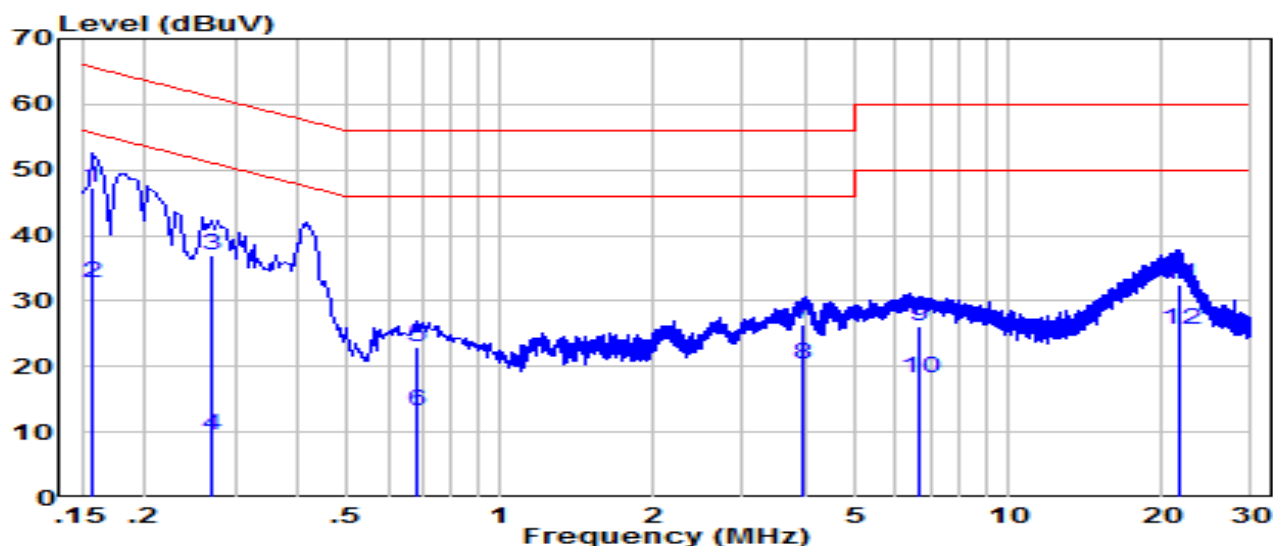
備 註: 經初測驗證過，電源端點干擾測試對測試頻道數並無差異，因此檢附其中一個測試頻道之測試數。

5.1.3. 測試架構圖



5.1.4. 電源端點測試結果

EUT	ACCESS POINT	Date of Test	2021-04-27
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	23.6°C/60.9%
Polarity	Line1	Site / Test Engineer	SR2 / Eric Lin
Test Mode	Transmit by 802.11b at channel 2437MHz	Test Voltage	110V/60Hz

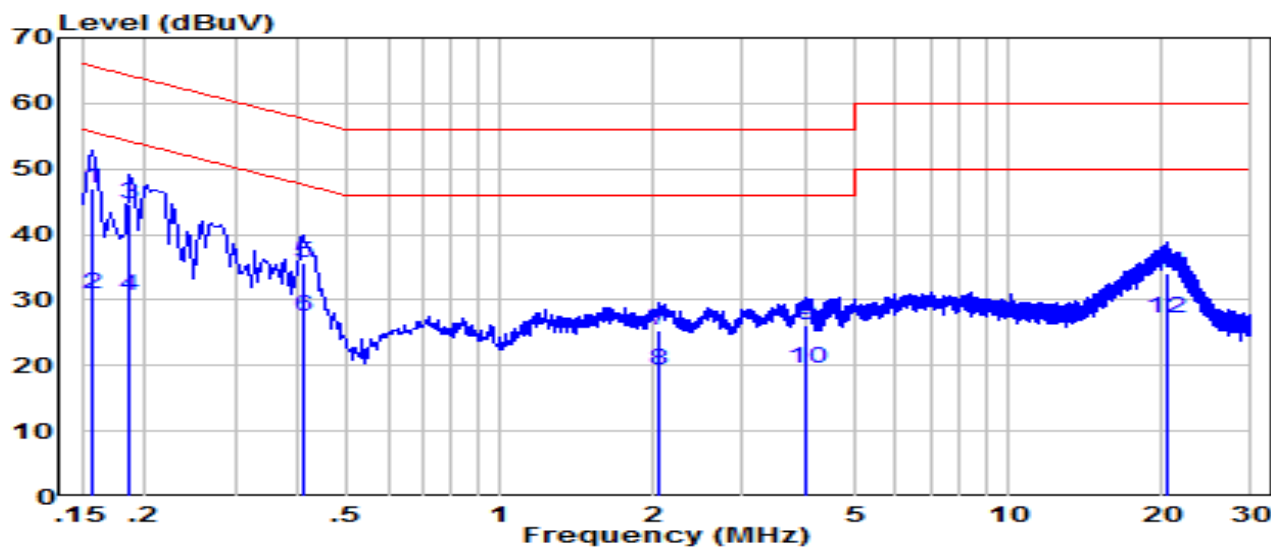


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	0.158	37.73	9.61	47.34	-18.23	65.57	QP
2		0.158	23.03	9.61	32.64	-22.93	55.57	Average
3		0.270	27.45	9.62	37.07	-24.05	61.12	QP
4		0.270	-0.15	9.62	9.47	-51.65	61.12	Average
5		0.685	13.28	9.64	22.92	-33.08	56.00	QP
6		0.685	3.58	9.64	13.22	-32.78	46.00	Average
7		3.960	16.82	9.72	26.54	-29.46	56.00	QP
8		3.960	10.52	9.72	20.24	-25.76	46.00	Average
9		6.630	16.48	9.79	26.27	-33.73	60.00	QP
10		6.630	8.38	9.79	18.17	-31.83	50.00	Average
11		21.600	22.59	10.01	32.60	-27.41	60.00	QP
12		21.600	15.69	10.01	25.70	-24.31	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(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	ACCESS POINT	Date of Test	2021-04-27
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	23.6°C/60.9%
Polarity	Neutral	Site / Test Engineer	SR2 / Eric Lin
Test Mode	Transmit by 802.11b at channel 2437MHz	Test Voltage	110V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	0.158	37.42	9.62	47.04	-18.53	65.57	QP
2		0.158	21.32	9.62	30.94	-24.63	55.57	Average
3		0.186	35.14	9.62	44.76	-19.45	64.21	QP
4		0.186	20.94	9.62	30.56	-23.65	54.21	Average
5		0.410	26.05	9.64	35.69	-21.96	57.65	QP
6		0.410	17.75	9.64	27.39	-20.26	47.65	Average
7		2.060	15.78	9.69	25.47	-30.53	56.00	QP
8		2.060	9.48	9.69	19.17	-26.83	46.00	Average
9		3.990	16.32	9.73	26.05	-29.95	56.00	QP
10		3.990	9.72	9.73	19.45	-26.55	46.00	Average
11		20.400	23.90	10.08	33.98	-26.02	60.00	QP
12		20.400	17.20	10.08	27.28	-22.72	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(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

5.2. 峰值傳導輸出功率

5.2.1. 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 4.10.1.2(1)(C)節，操作於 2400-2483.5 MHz 之數位調變的發射器材：1 瓦(W)(含)以下。

依據國家通訊傳播委員會低功率射頻器材技術規範之第 4.10.1.3 節，天線增益限制如下：

(1) 操作於 2400 MHz～2483.5 MHz 頻段：

(A) 進行固定式點對點操作時，其發射天線之方向性增益超過6 dBi，每超過3 dBi，最大傳導輸出功率限制值應降低1 dB。

(B) 除第(A)節外，如其發射天線之方向性增益超過6dBi，應依所超過之dB數等量降低最大傳導輸出功率。

(C) 天線以多向波束發射方式(含同時發射或循序發射)將訊號導向多個接收機或接收機群組時，應符合下列規定：

(a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合 4.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過 6 dBi，每超過 3 dBi，總和傳導輸出功率限制值應降低 1 dB。方向性增益值應計算如下：

(i) 方向性增益值= $10\log(\text{天線陣列之單元數目}) + \text{各單元中最高之方向性增益值}$ 。

(ii) 天線陣列間之遮蔽效應或波束干涉損失能充分佐證時，方向性增益得低於(i)計算數值。

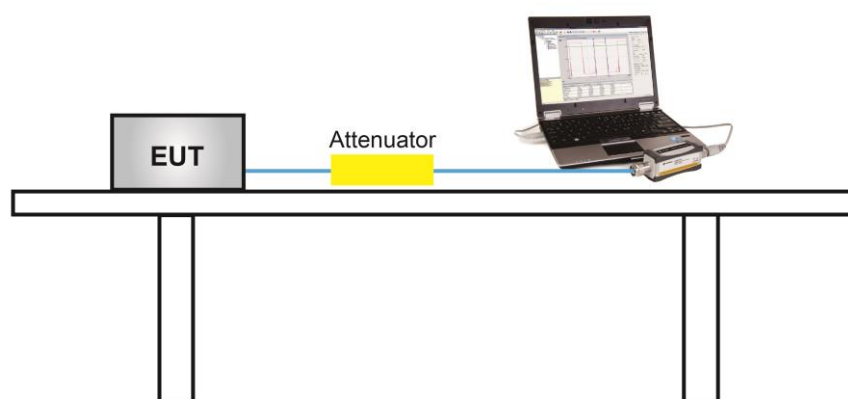
同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加 8 dB。方向性增益值計算同(a)。

(c) 發射機之天線具備單向波束功能者，應符合(1)(A)及(3)後段之規定。

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，設定頻譜分析儀之解析度頻寬大於 6dB 發射頻寬或使用峰值功率表。

5.2.3. 測試架構圖



5.2.4. 峰值傳導輸出功率測試結果

待測物名稱	ACCESS POINT	溫度	22 ~ 25°C
測試工程師	Eric Lin	濕度	46 ~ 56%
測試場地	SR2	測試日期	2021/01/19
測試項目	Output Power	測試模式	Filter 1#

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
802.11b	1Mbps	01	2412	18.96	18.85	21.92	≤ 30.00	Pass
802.11b	1Mbps	06	2437	18.83	18.86	21.86	≤ 30.00	Pass
802.11b	1Mbps	11	2462	18.52	18.50	21.52	≤ 30.00	Pass
802.11g	6Mbps	01	2412	18.77	18.93	21.86	≤ 30.00	Pass
802.11g	6Mbps	06	2437	18.72	18.83	21.79	≤ 30.00	Pass
802.11g	6Mbps	11	2462	18.35	18.26	21.32	≤ 30.00	Pass
802.11n-HT20	MCS0	01	2412	18.43	18.90	21.68	≤ 30.00	Pass
802.11n-HT20	MCS0	06	2437	18.75	18.73	21.75	≤ 30.00	Pass
802.11n-HT20	MCS0	11	2462	18.43	18.52	21.49	≤ 30.00	Pass
802.11n-HT40	MCS0	03	2422	17.64	17.84	20.75	≤ 30.00	Pass
802.11n-HT40	MCS0	06	2437	18.86	18.88	21.88	≤ 30.00	Pass
802.11n-HT40	MCS0	09	2452	15.32	15.52	18.43	≤ 30.00	Pass
802.11ax-HE20	MCS0	01	2412	18.72	18.60	21.67	≤ 30.00	Pass
802.11ax-HE20	MCS0	06	2437	18.53	18.58	21.57	≤ 30.00	Pass
802.11ax-HE20	MCS0	11	2462	16.58	16.74	19.67	≤ 30.00	Pass
802.11ax-HE40	MCS0	03	2422	17.63	17.84	20.75	≤ 30.00	Pass
802.11ax-HE40	MCS0	06	2437	18.49	18.56	21.54	≤ 30.00	Pass
802.11ax-HE40	MCS0	09	2452	15.63	15.48	18.57	≤ 30.00	Pass

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

待測物名稱	ACCESS POINT	溫度	22 ~ 25°C
測試工程師	Eric Lin	濕度	46 ~ 56%
測試場地	SR2	測試日期	2021/01/19
測試項目	Output Power	Test Mode	Filter 2#

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
802.11b	1Mbps	01	2412	18.95	18.86	21.92	≤ 30.00	Pass
802.11b	1Mbps	06	2437	18.68	18.71	21.71	≤ 30.00	Pass
802.11g	6Mbps	01	2412	18.83	18.62	21.74	≤ 30.00	Pass
802.11g	6Mbps	06	2437	18.62	18.51	21.58	≤ 30.00	Pass
802.11n-HT20	MCS0	01	2412	18.41	18.75	21.59	≤ 30.00	Pass
802.11n-HT20	MCS0	06	2437	18.46	18.77	21.63	≤ 30.00	Pass
802.11ax-HE20	MCS0	01	2412	18.53	18.73	21.64	≤ 30.00	Pass
802.11ax-HE20	MCS0	06	2437	18.51	18.55	21.54	≤ 30.00	Pass

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

待測物名稱	ACCESS POINT	溫度	22 ~ 25°C
測試工程師	Eric Lin	濕度	46 ~ 56%
測試場地	SR2	測試日期	2021/01/19
測試項目	Output Power	Test Mode	Filter 3#

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
802.11b	1Mbps	11	2462	18.39	18.43	21.42	≤ 30.00	Pass
802.11g	6Mbps	11	2462	18.16	18.22	21.20	≤ 30.00	Pass
802.11n-HT20	MCS0	11	2462	18.35	18.53	21.45	≤ 30.00	Pass
802.11ax-HE20	MCS0	11	2462	16.12	16.24	19.19	≤ 30.00	Pass

Note: 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

Antenna Type (Brand: Aruba)	Frequency Band (GHz)	Ant 0 Max Peak Gain (dBi)	Ant 1 Max Peak Gain (dBi)	CDD Directional Gain (dBi)	
				For Power (Uncorrelated)	For PSD (Correlated)
Wi-Fi Internal Antenna (2*2 MIMO) (M/N : ANT-635-Dual1 for Ant 0 ; ANT-635-Dual2 For Ant 1)					
PIFA (Loop pattern)	2.4 ~ 2.5	3.10	4.60	2.90	5.91
	5.15 ~ 5.85	5.90	7.00	4.90	7.91
Bluetooth / ZigBee Internal Antenna (ANT-635-BLE for Bluetooth / ZigBee)					
PIFA (Loop pattern)	2.4 ~ 2.5	3.0			

Note 1: If transmit signals are correlated, then Directional gain = $10 \log^*[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi [Note the “20”s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

If all transmit signals are completely uncorrelated, then Directional gain = $10 \log^*[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / N_{ANT}]$ dBi

Note 2: The manufacturer use the antenna gain of each angle to calculate the directional gain and show the highest directional gain in test report.

5.4. 輻射干擾測試

5.4.1. 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 4.10.1.5 節，使用頻帶範圍外之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減值限制如下：

(1)輸出功率以低功率射頻器材技術規範附件二之峰值輸出功率方式量測者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。

(2)輸出功率以低功率射頻器材技術規範 4.10.1(2)(2.3)之最大傳導輸出功率量測方式者，至少須衰減 30 dB。

此外，落於第 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定。

依據國家通訊傳播委員會低功率射頻器材技術規範之第 3.6 節，低功率射頻器材，除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻率(f) (MHz)	電場強度 (微伏特/公尺, $\mu\text{V/m}$)	測距 (公尺)
$0.009 \leq f \leq 0.490$	$2400/f(\text{kHz})$	300
$0.490 < f \leq 1.705$	$24000/f(\text{kHz})$	30
$1.705 < f < 30$	30	30
$30 \leq f \leq 88$	100	3
$88 < f \leq 216$	150	3
$216 < f \leq 960$	200	3
$960 < f$	500	3

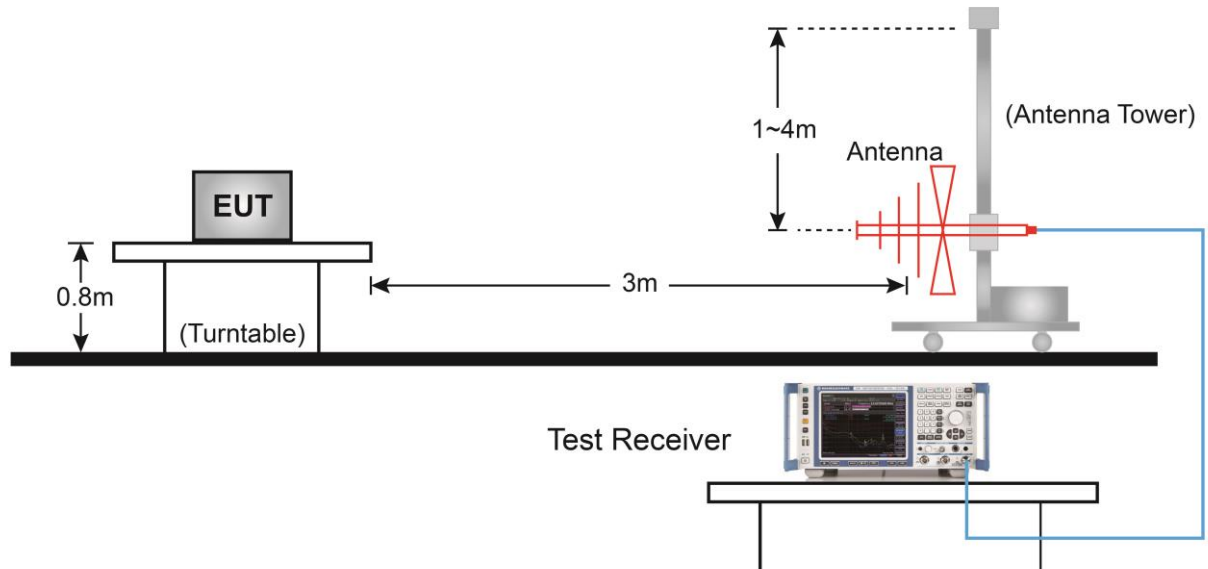
上表規定之電場強度，發射頻率在 9 kHz~90 kHz、110 kHz~490 kHz 及 1000MHz 以上者，其量測應以平均值檢波器為基準，且須符合低功率射頻器材技術規範第 6.14.節之規定；其他發射頻率，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時，應符合第 6.5 節之規定，而輻射發射之量測頻率範圍須符合低功率射頻器材技術規範第 6.12 節之規定。

5.4.2. 量測方法

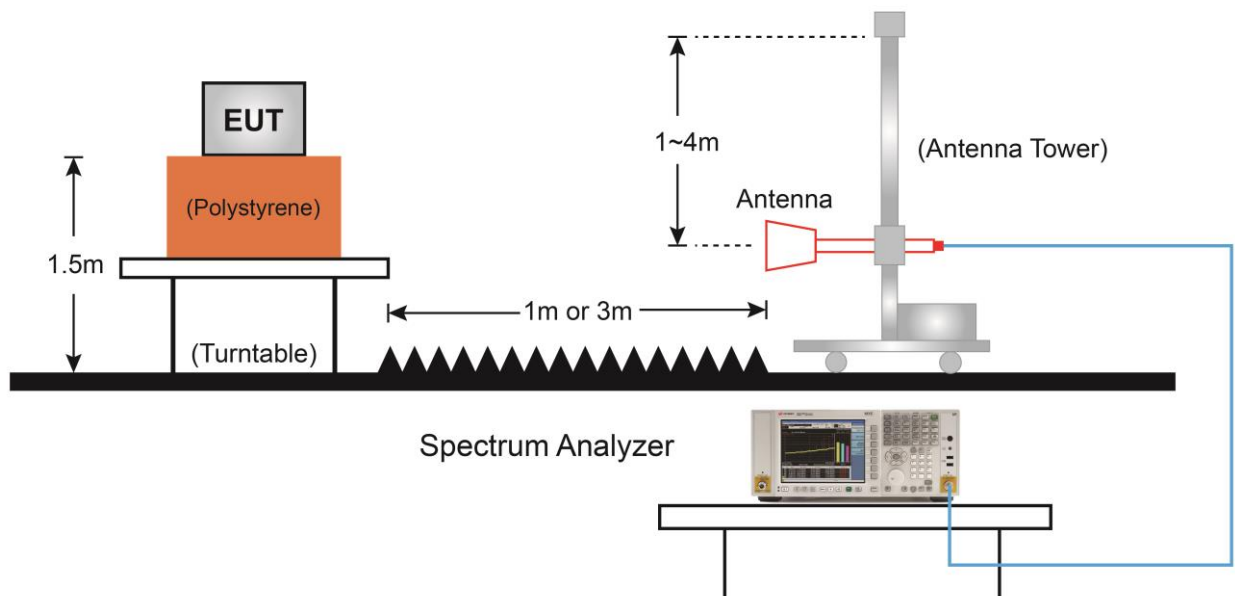
低頻待測物置於高 80 公分之非導體桌面（落地型產品置於地上），高頻待測物置於高 150 公分之非導體桌面，受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度。接收天線並應於水準及垂直極化方向各量測一次。

5.4.3. 測試架構圖

Below 1GHz Test Setup:

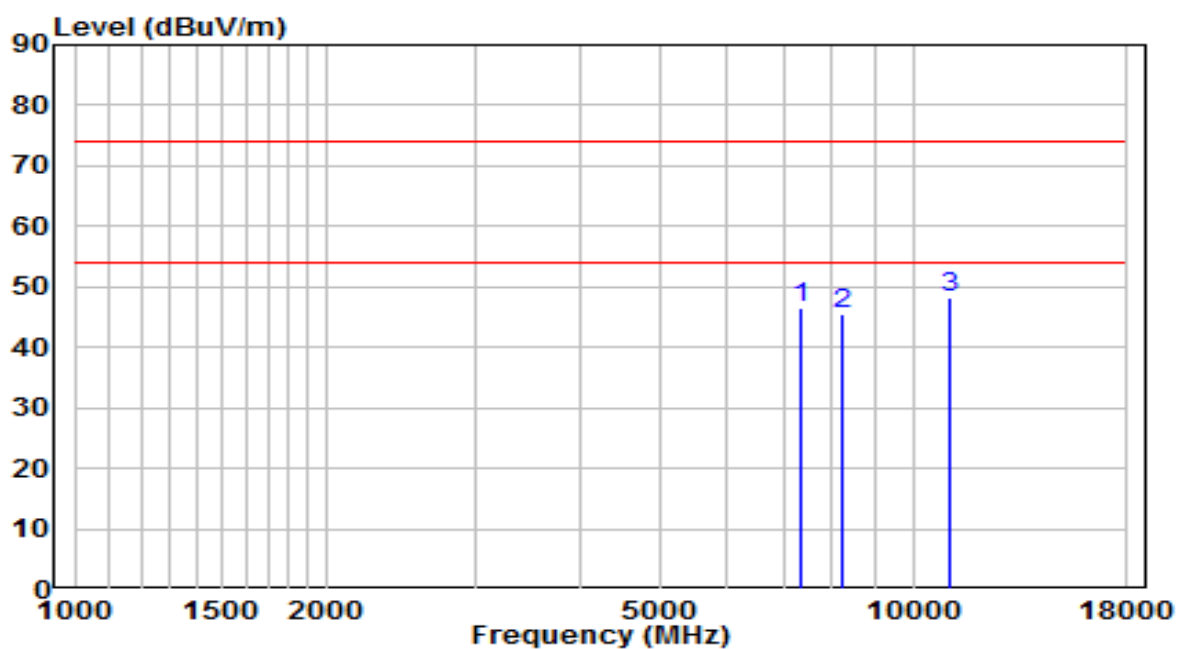


Above 1GHz Test Setup:



5.4.4. 輻射干擾測試結果

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2412MHz	Test Voltage	110V/60Hz

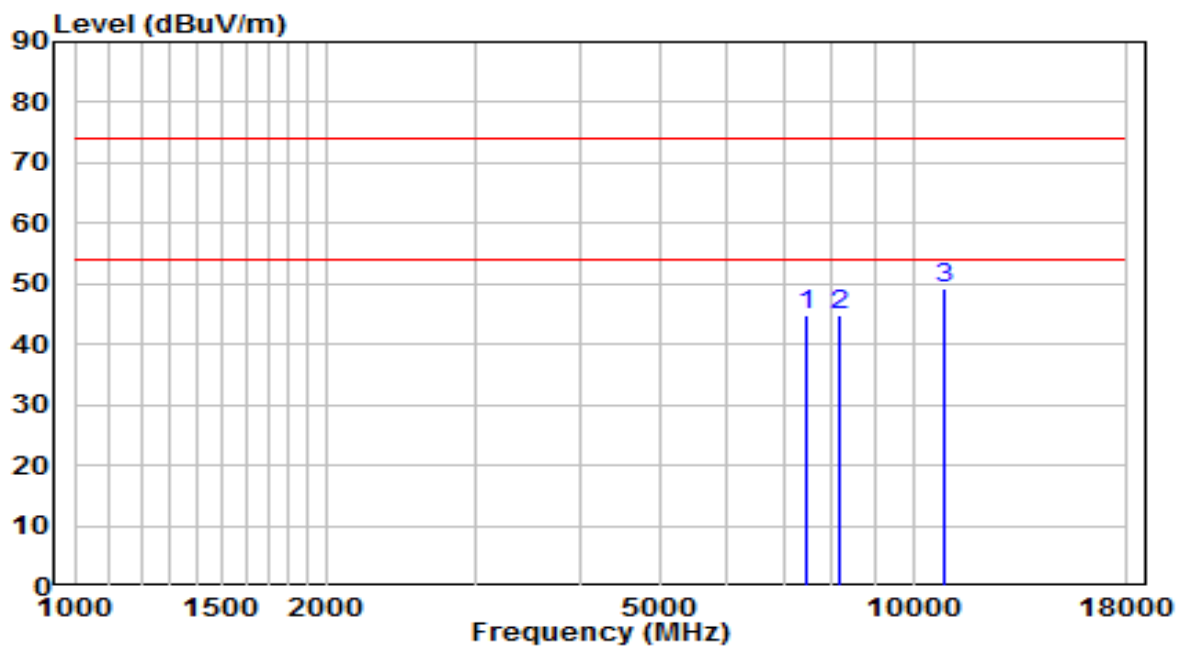


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7332.500	35.44	11.24	46.68	-27.32	74.00	Peak
2	8225.000	33.15	12.50	45.65	-28.35	74.00	Peak
3	* 11038.500	30.31	17.83	48.14	-25.86	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2412MHz	Test Voltage	110V/60Hz

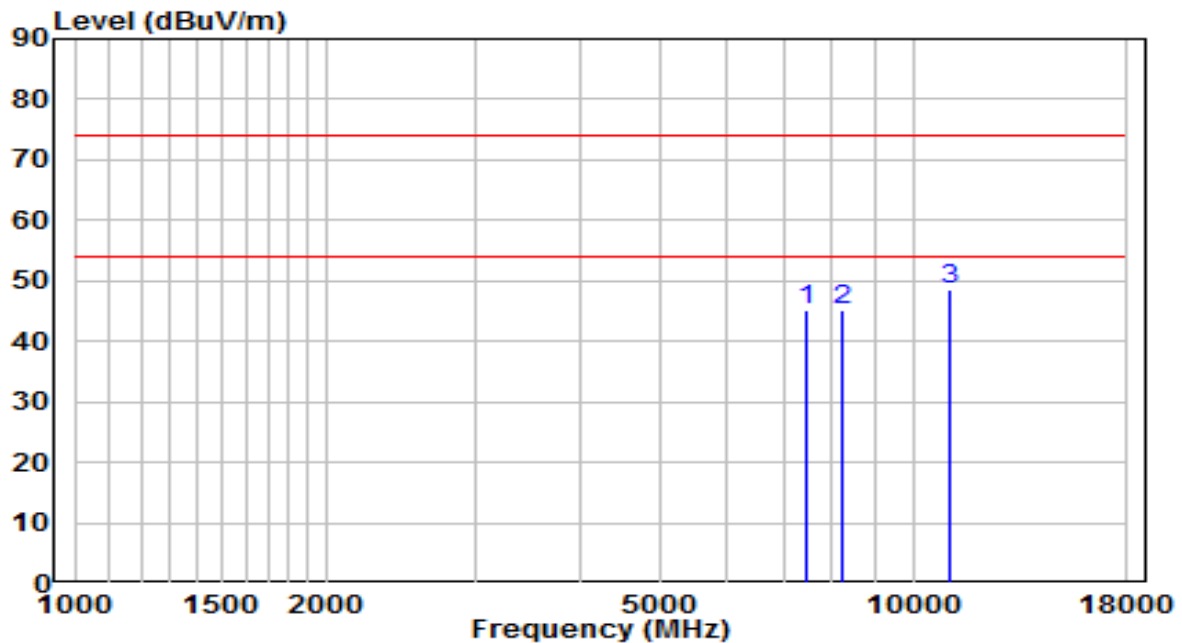


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7460.000	33.39	11.60	44.99	-29.01	74.00	Peak
2	8157.000	32.33	12.51	44.83	-29.17	74.00	Peak
3	* 10894.000	31.77	17.63	49.40	-24.60	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2437MHz	Test Voltage	110V/60Hz

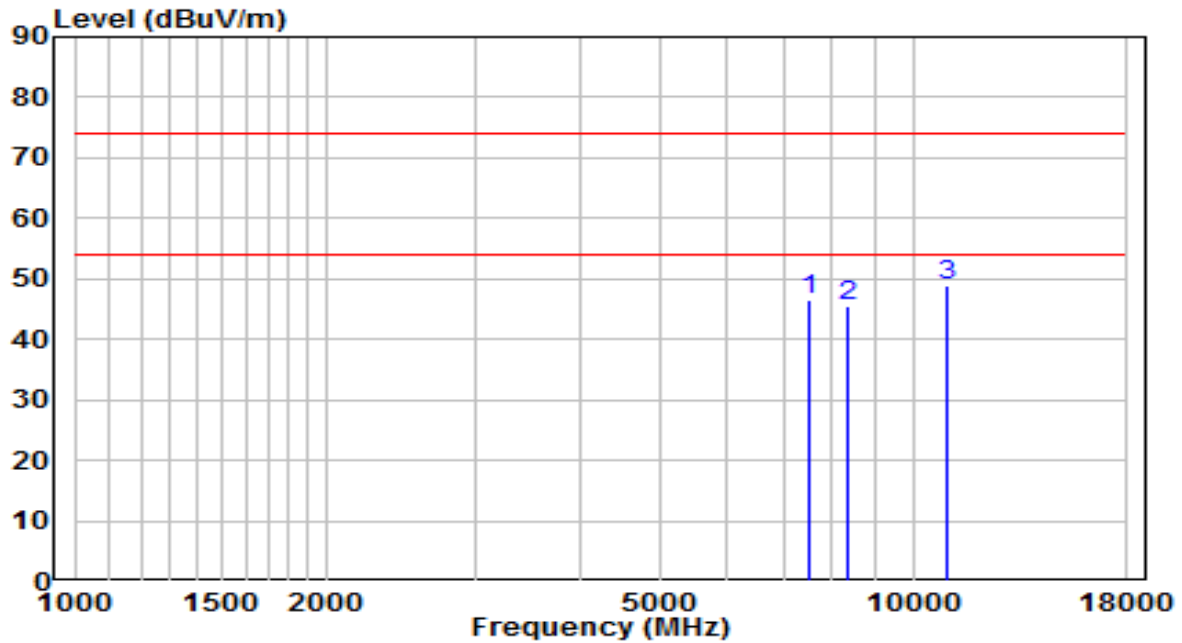


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7468.500	33.69	11.63	45.32	-28.68	74.00	Peak
2	8259.000	32.81	12.49	45.30	-28.70	74.00	Peak
3	* 11098.000	30.56	17.91	48.48	-25.52	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2437MHz	Test Voltage	110V/60Hz

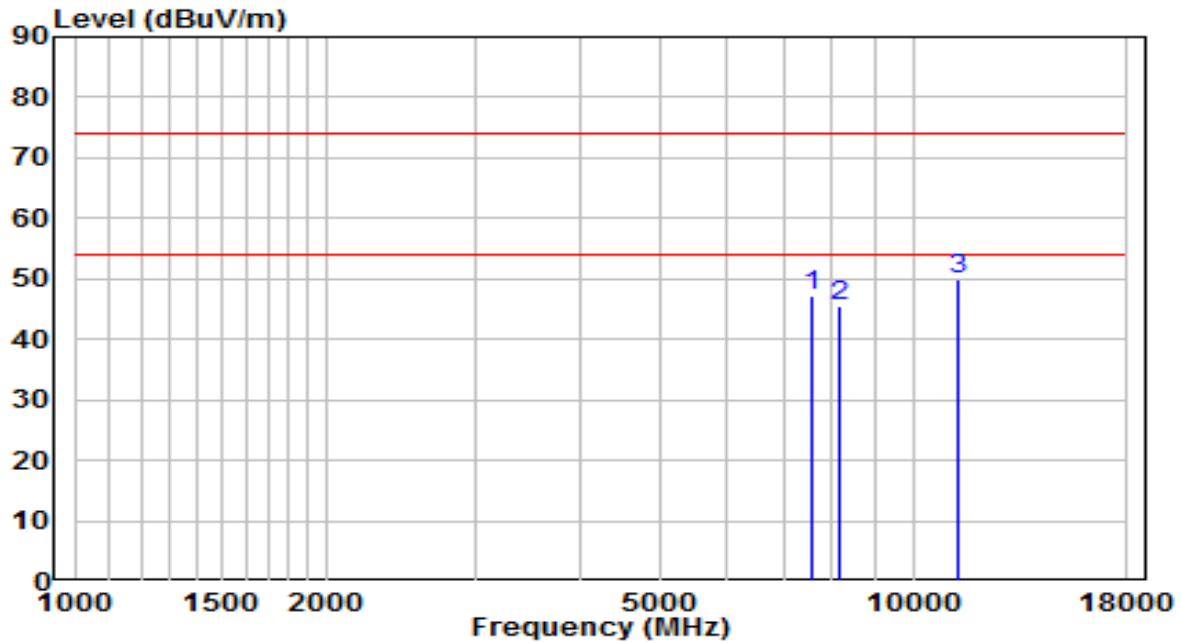


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7502.500	34.68	11.72	46.40	-27.60	74.00	Peak
2	8344.000	32.88	12.48	45.36	-28.64	74.00	Peak
3	* 10962.000	31.21	17.73	48.93	-25.07	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2462MHz	Test Voltage	110V/60Hz

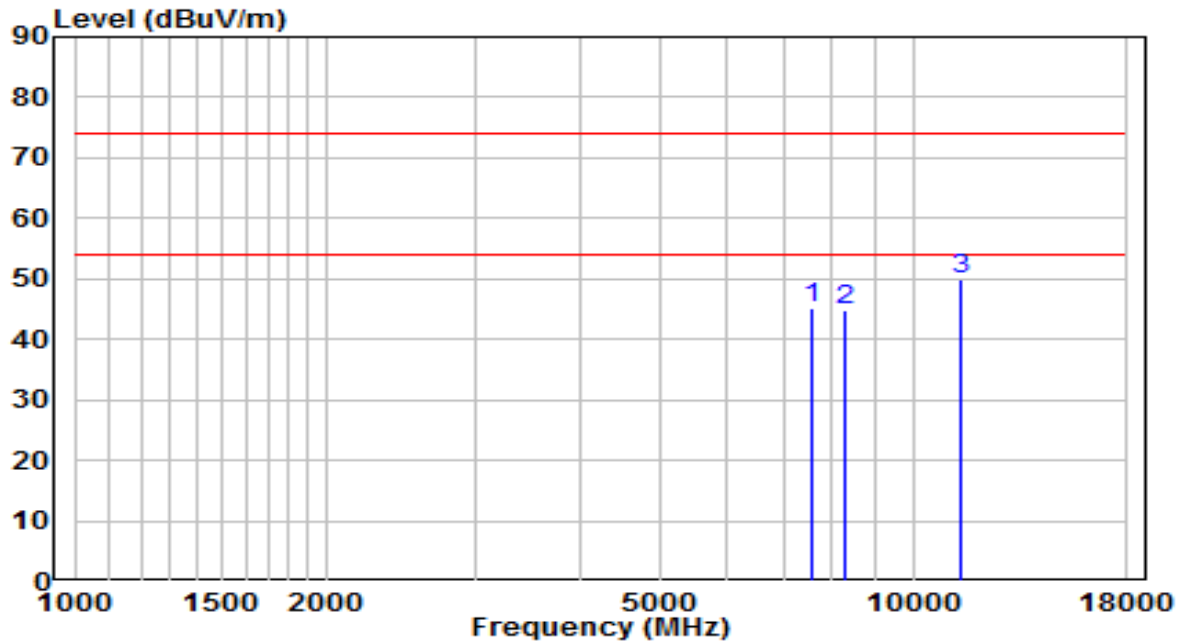


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7553.500	35.27	11.80	47.08	-26.92	74.00	Peak
2	8165.500	32.89	12.51	45.40	-28.60	74.00	Peak
3	* 11293.500	31.76	18.17	49.93	-24.07	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2462MHz	Test Voltage	110V/60Hz

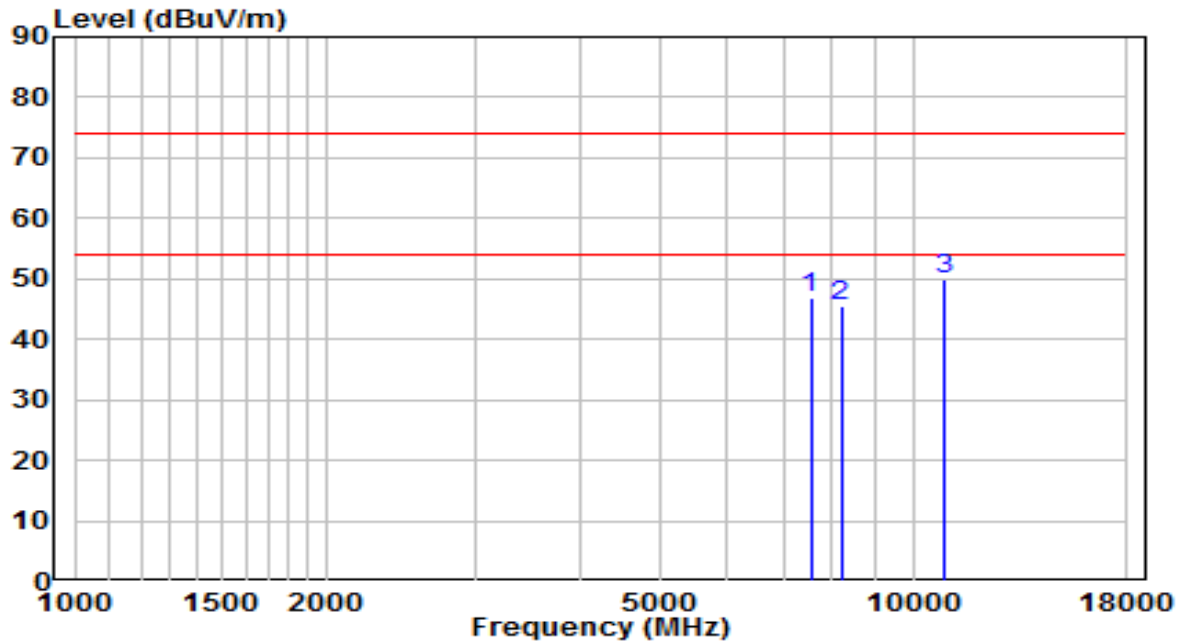


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7579.000	33.17	11.84	45.01	-28.99	74.00	Peak
2	8267.500	32.26	12.49	44.75	-29.25	74.00	Peak
3	* 11378.500	31.71	18.29	50.00	-24.00	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at channel 2412MHz	Test Voltage	110V/60Hz

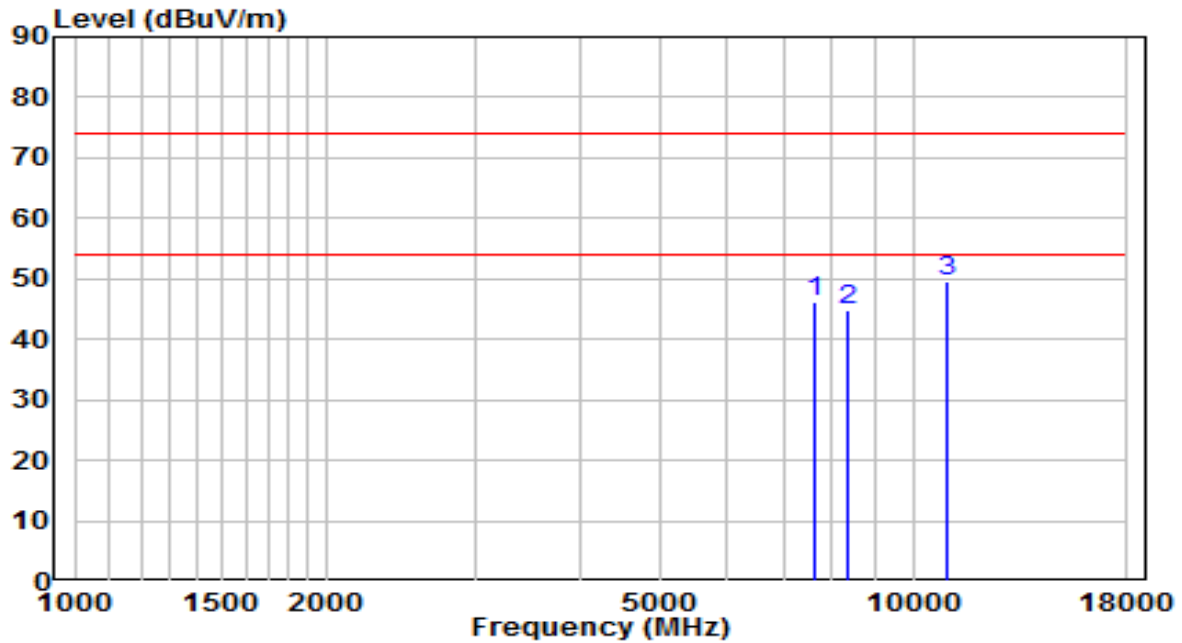


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7545.000	35.22	11.79	47.01	-26.99	74.00	Peak
2	8199.500	32.87	12.50	45.37	-28.63	74.00	Peak
3	* 10868.500	32.34	17.59	49.94	-24.06	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at channel 2412MHz	Test Voltage	110V/60Hz

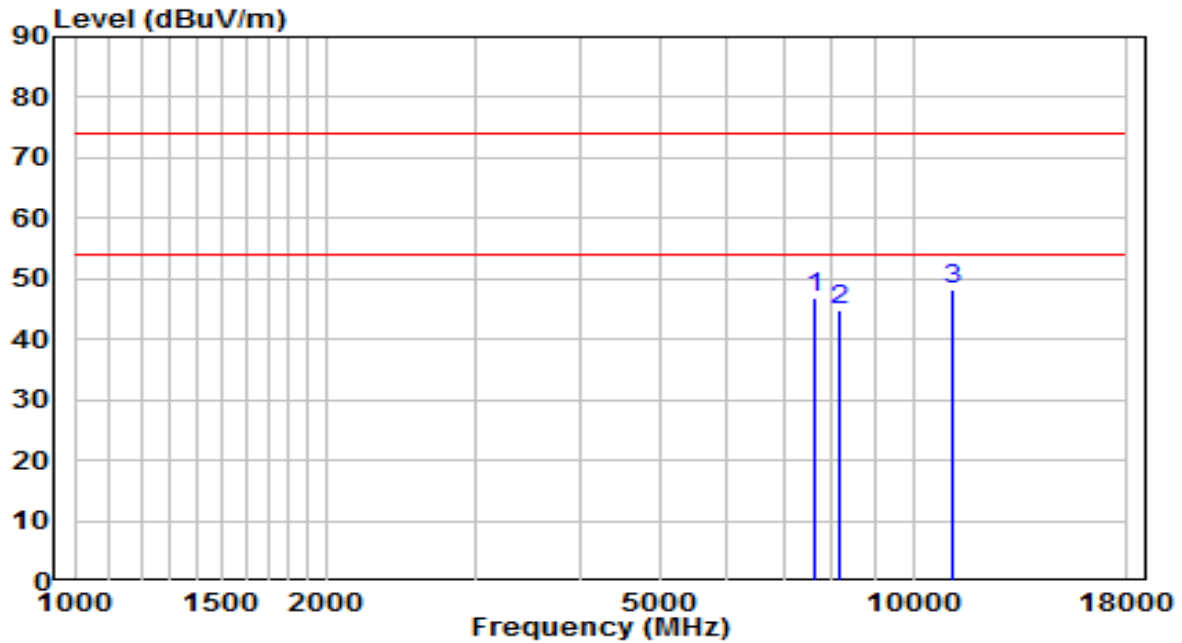


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7604.500	34.35	11.89	46.24	-27.76	74.00	Peak
2	8327.000	32.22	12.48	44.71	-29.29	74.00	Peak
3	* 10945.000	31.86	17.70	49.57	-24.43	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at channel 2437MHz	Test Voltage	110V/60Hz

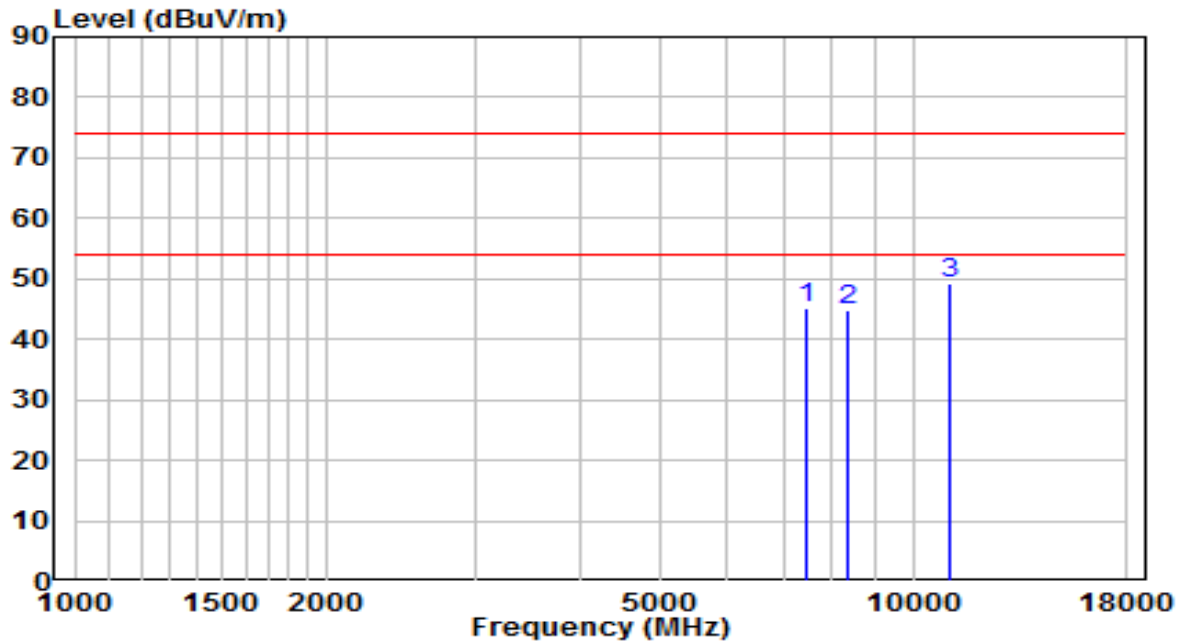


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7604.500	35.07	11.89	46.95	-27.05	74.00	Peak
2	8174.000	32.46	12.50	44.96	-29.04	74.00	Peak
3	* 11106.500	30.45	17.92	48.37	-25.63	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at channel 2437MHz	Test Voltage	110V/60Hz

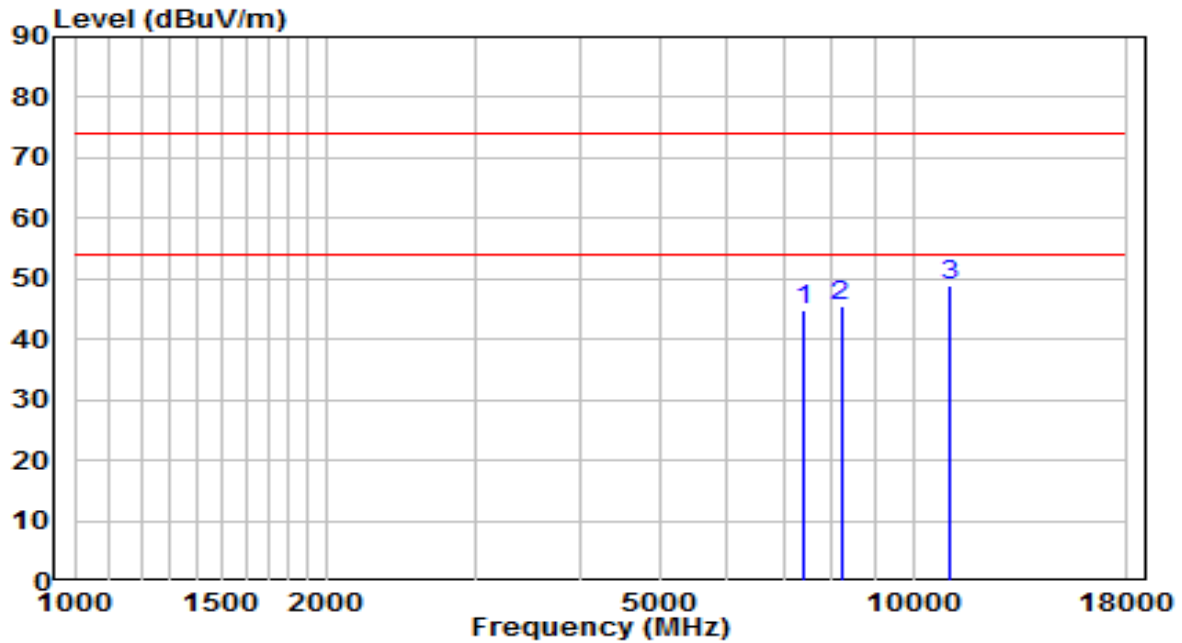


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7468.500	33.56	11.63	45.18	-28.82	74.00	Peak
2	8335.500	32.28	12.48	44.76	-29.24	74.00	Peak
3	* 11021.500	31.27	17.81	49.08	-24.92	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at channel 2462MHz	Test Voltage	110V/60Hz

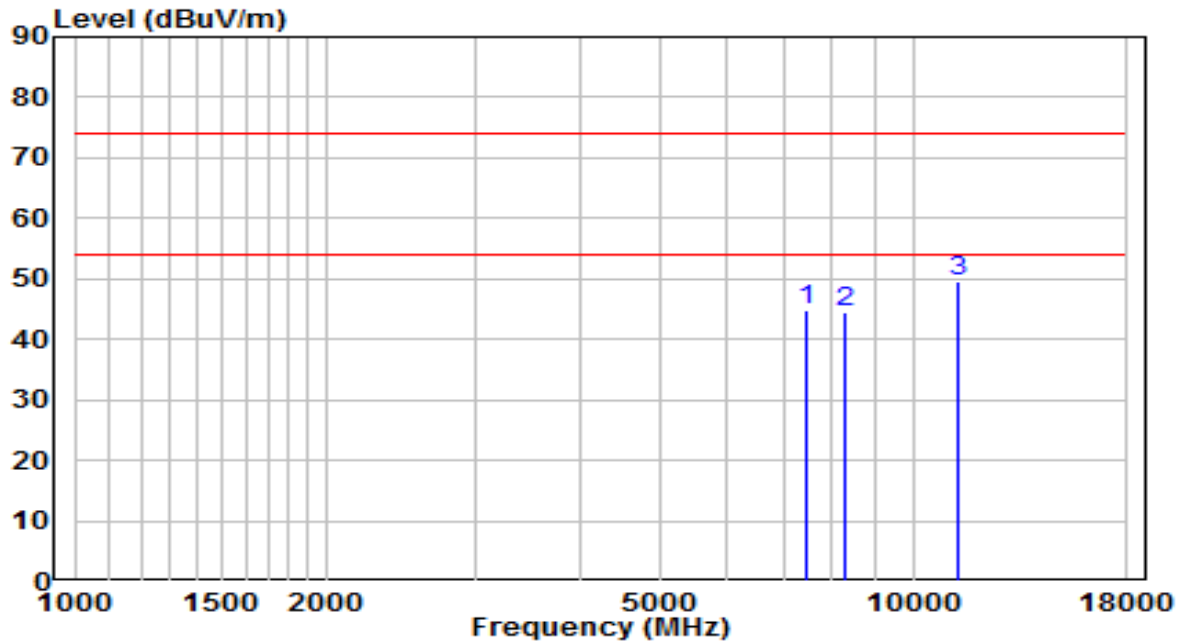


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7426.000	33.38	11.51	44.88	-29.12	74.00	Peak
2	8199.500	33.13	12.50	45.63	-28.37	74.00	Peak
3	* 11089.500	30.95	17.90	48.85	-25.15	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at channel 2462MHz	Test Voltage	110V/60Hz

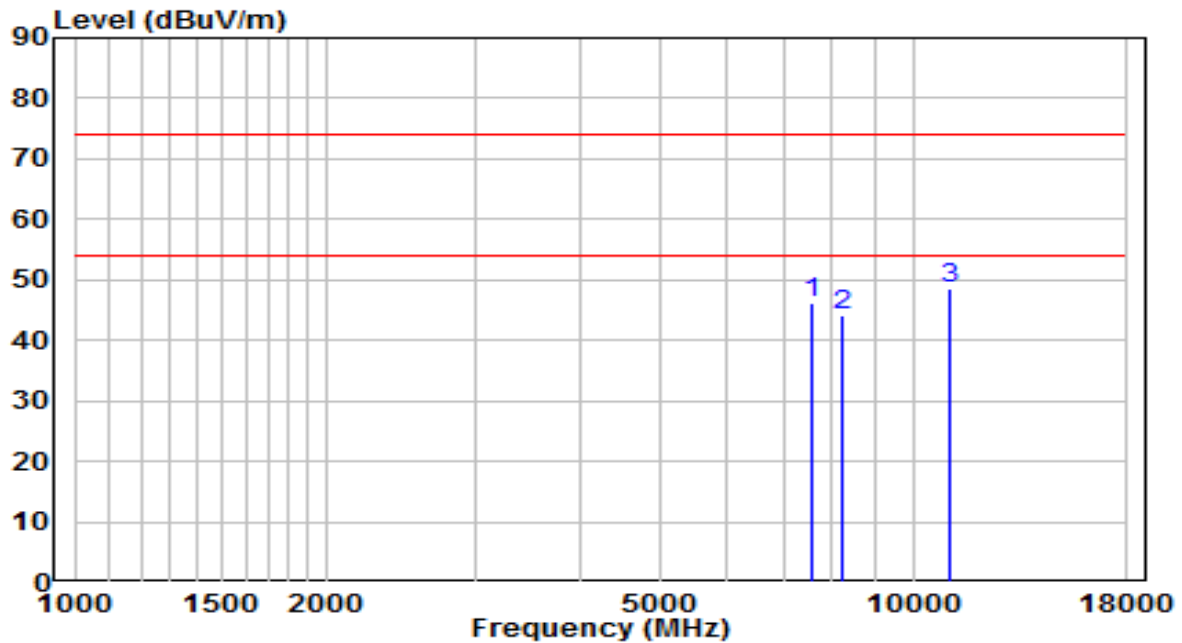


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7434.500	33.29	11.53	44.82	-29.18	74.00	Peak
2	8267.500	31.90	12.49	44.39	-29.61	74.00	Peak
3	* 11310.500	31.36	18.20	49.55	-24.45	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at channel 2412MHz	Test Voltage	110V/60Hz

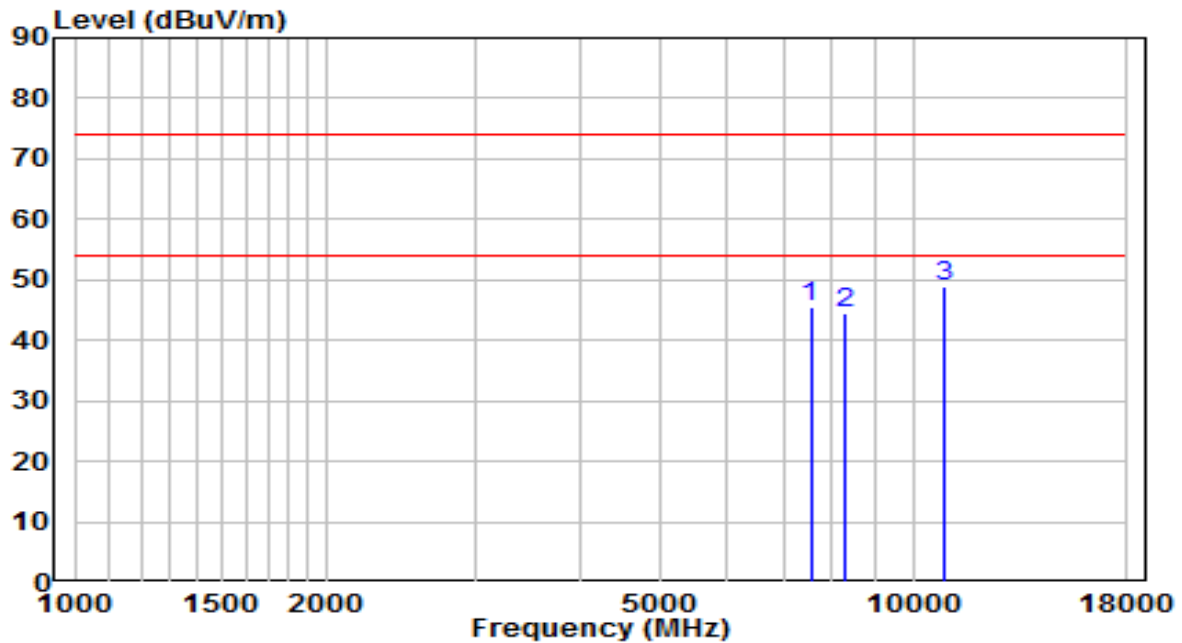


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7553.500	34.34	11.80	46.15	-27.85	74.00	Peak
2	8233.500	31.70	12.49	44.20	-29.80	74.00	Peak
3	* 11030.000	30.78	17.82	48.60	-25.40	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at channel 2412MHz	Test Voltage	110V/60Hz

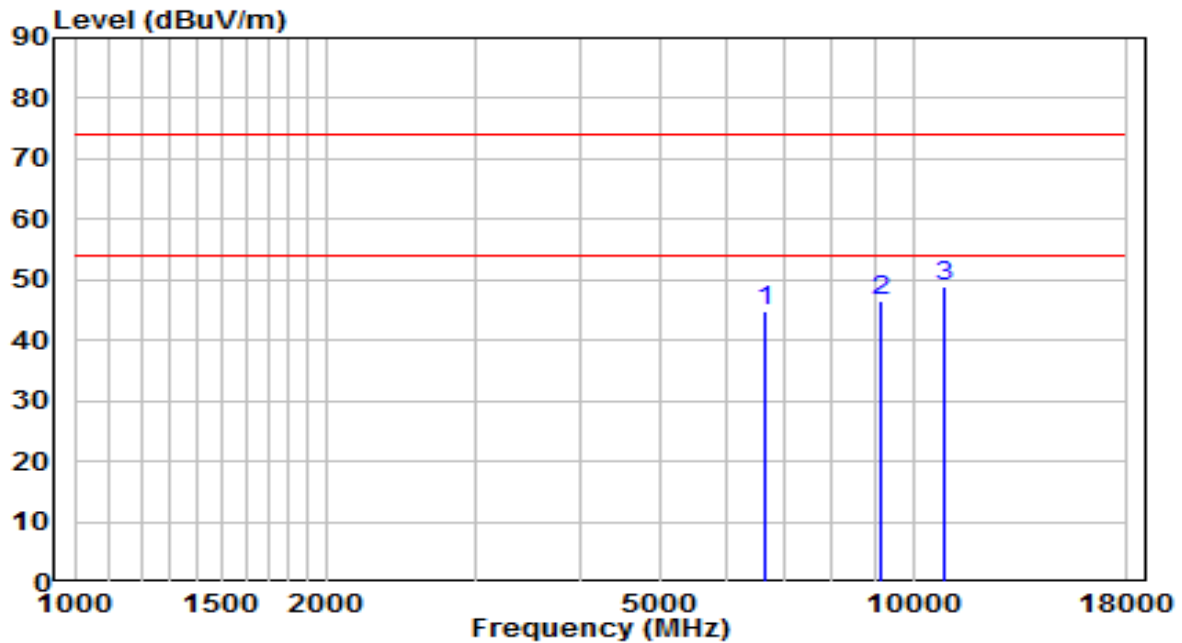


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7545.000	33.75	11.79	45.54	-28.46	74.00	Peak
2	8267.500	31.91	12.49	44.40	-29.60	74.00	Peak
3	* 10911.000	31.15	17.65	48.81	-25.19	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	factor\BBHA 9120D.csv	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at channel 2437MHz	Test Voltage	110V/60Hz

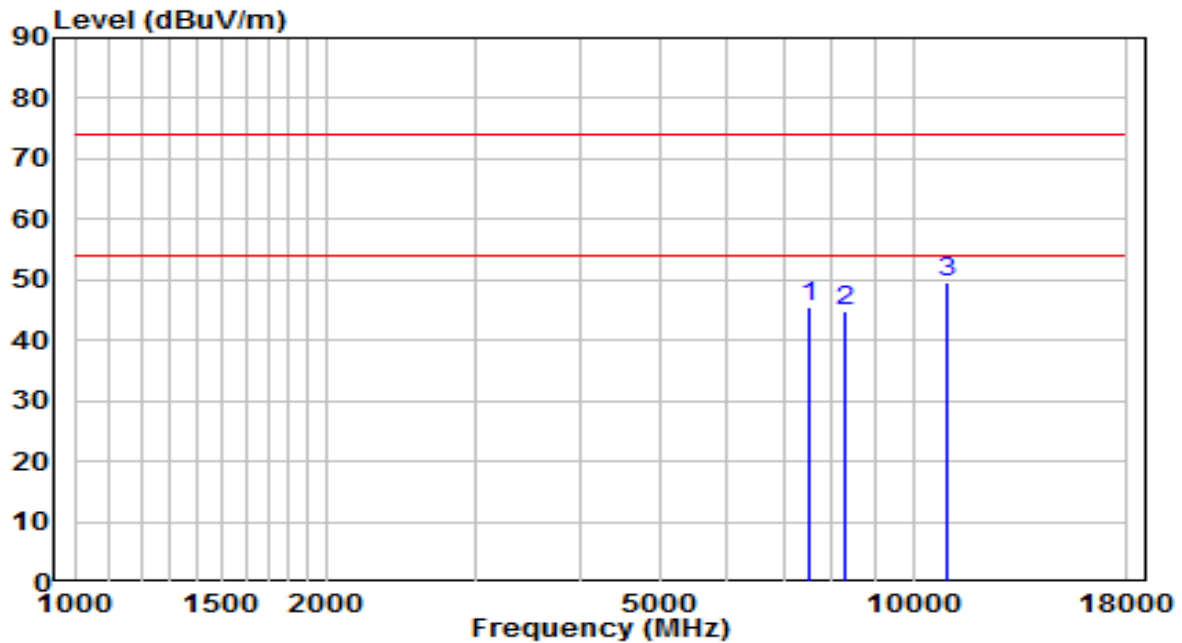


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	6652.500	35.97	8.77	44.74	-29.26	74.00	Peak
2	9126.000	32.66	13.87	46.53	-27.47	74.00	Peak
3	* 10902.500	31.31	17.64	48.95	-25.05	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at channel 2437MHz	Test Voltage	110V/60Hz

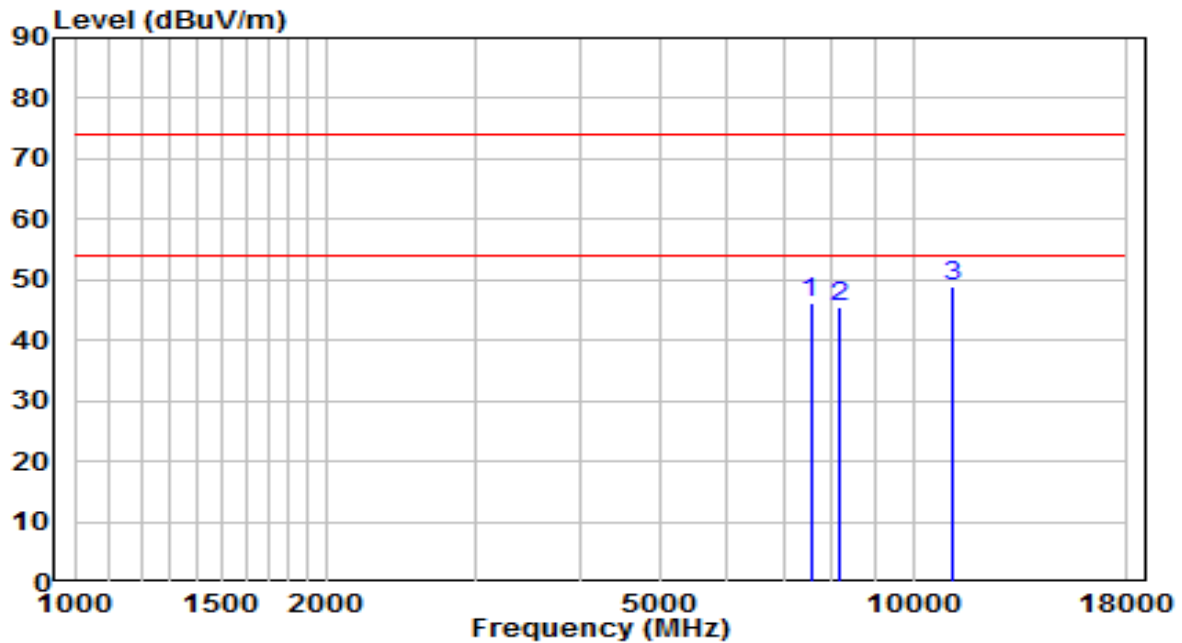


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7494.000	33.66	11.70	45.36	-28.64	74.00	Peak
2	8310.000	32.23	12.48	44.71	-29.29	74.00	Peak
3	* 10970.500	31.73	17.74	49.47	-24.53	74.00	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at channel 2462MHz	Test Voltage	110V/60Hz

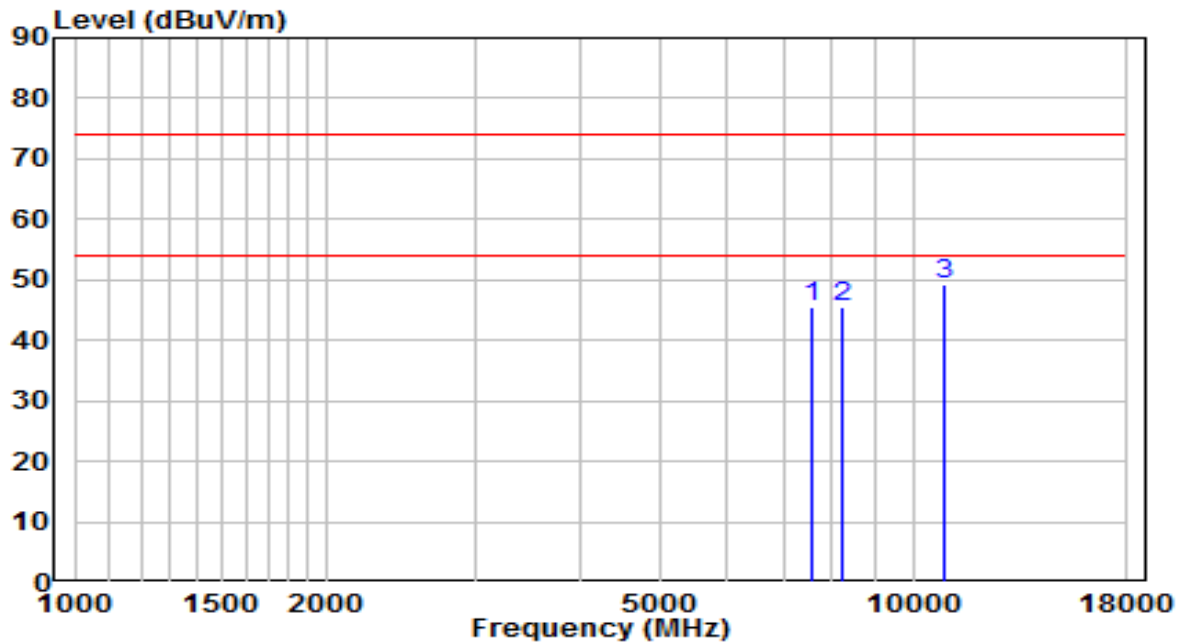


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7545.000	34.54	11.79	46.33	-27.67	74.00	Peak
2	8182.500	33.10	12.50	45.60	-28.40	74.00	Peak
3	* 11115.000	30.82	17.93	48.76	-25.24	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at channel 2462MHz	Test Voltage	110V/60Hz

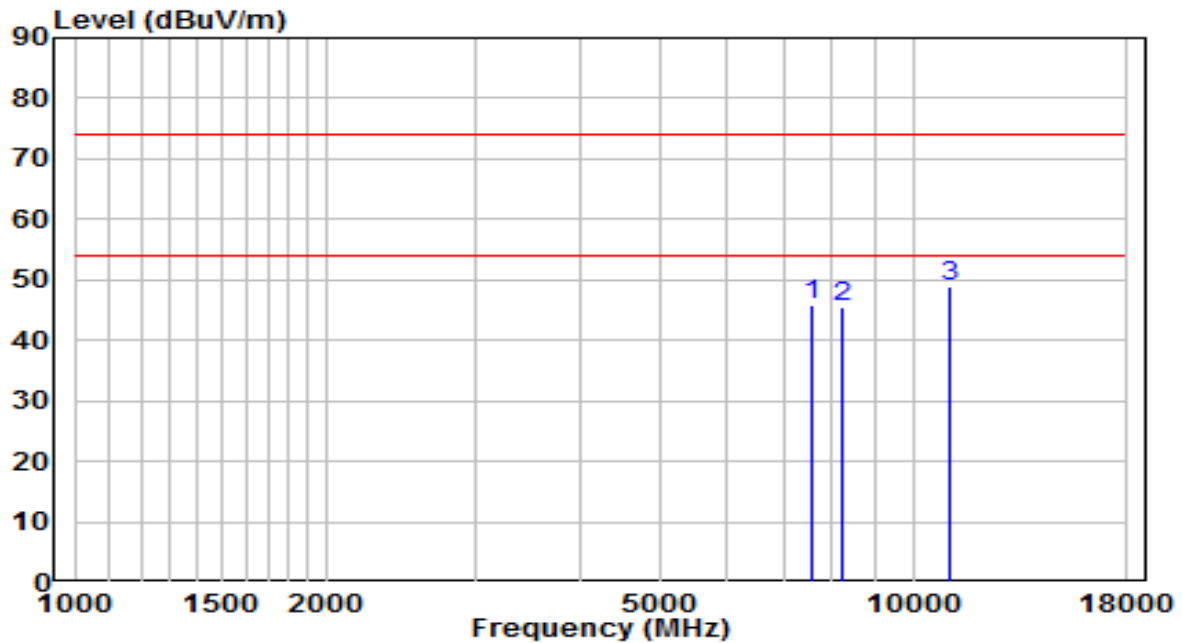


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7562.000	33.59	11.82	45.40	-28.60	74.00	Peak
2	8242.000	33.00	12.49	45.50	-28.50	74.00	Peak
3	* 10868.500	31.67	17.59	49.26	-24.74	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at channel 2422MHz	Test Voltage	110V/60Hz

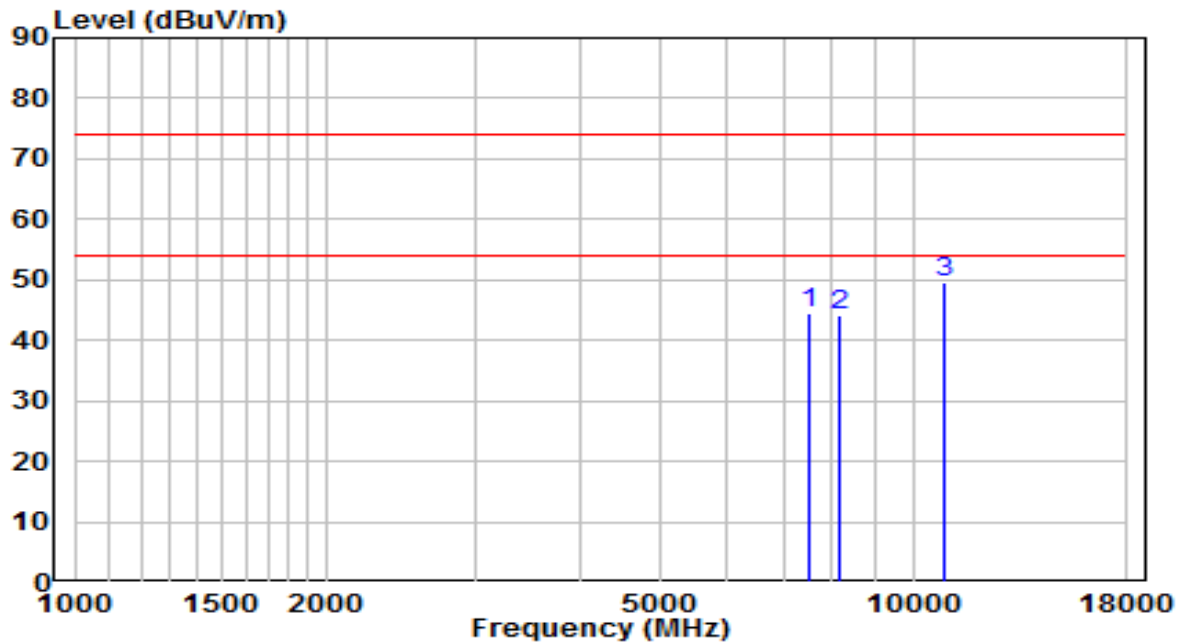


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7562.000	34.06	11.82	45.87	-28.13	74.00	Peak
2	8225.000	32.98	12.50	45.48	-28.52	74.00	Peak
3	* 11055.500	31.19	17.85	49.04	-24.96	74.00	Peak

Note:

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

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at channel 2422MHz	Test Voltage	110V/60Hz

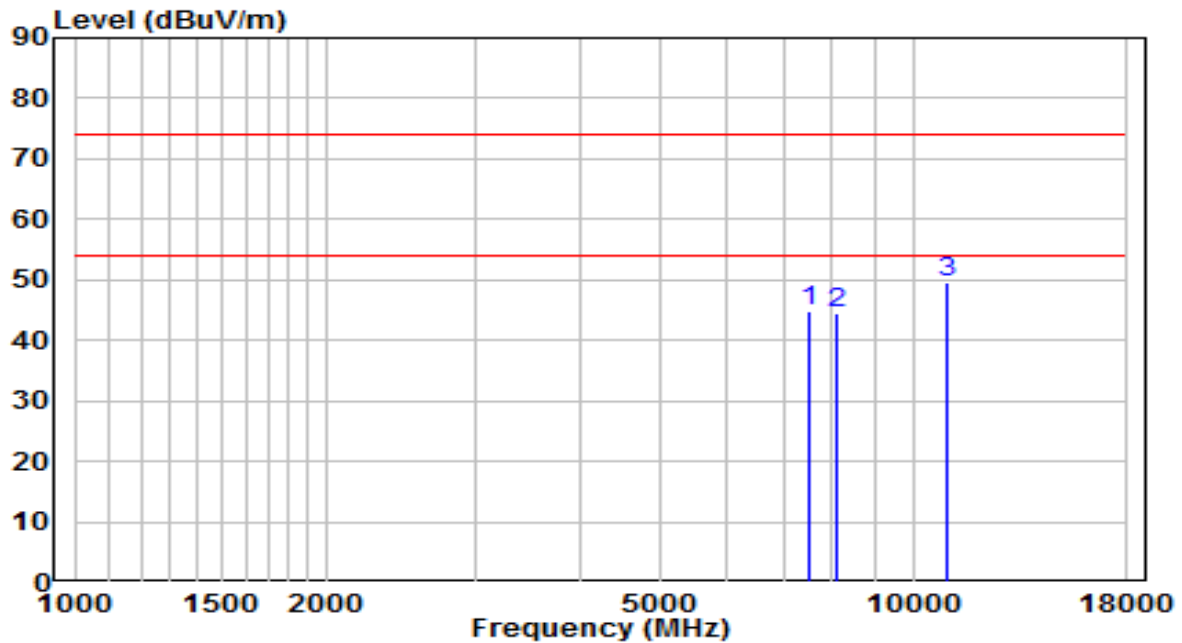


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7528.000	32.61	11.76	44.37	-29.63	74.00	Peak
2	8182.500	31.56	12.50	44.07	-29.93	74.00	Peak
3	* 10902.500	32.04	17.64	49.69	-24.31	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at channel 2437MHz	Test Voltage	110V/60Hz

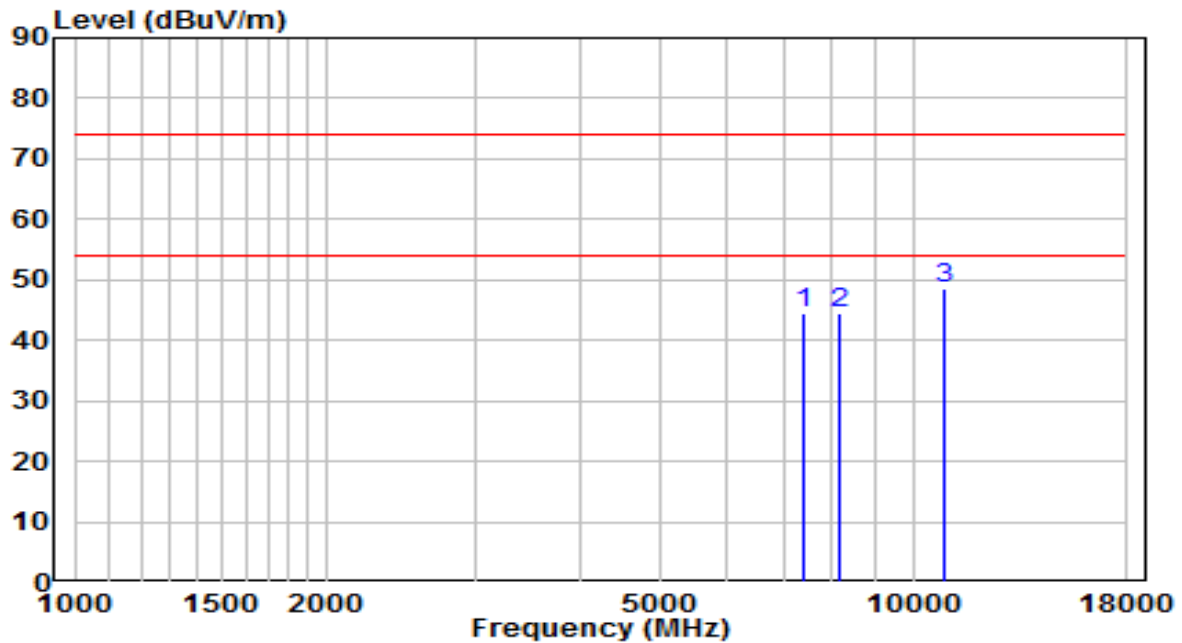


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7528.000	33.04	11.76	44.80	-29.20	74.00	Peak
2	8097.500	32.12	12.52	44.63	-29.37	74.00	Peak
3	* 10936.500	31.98	17.69	49.67	-24.33	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at channel 2437MHz	Test Voltage	110V/60Hz

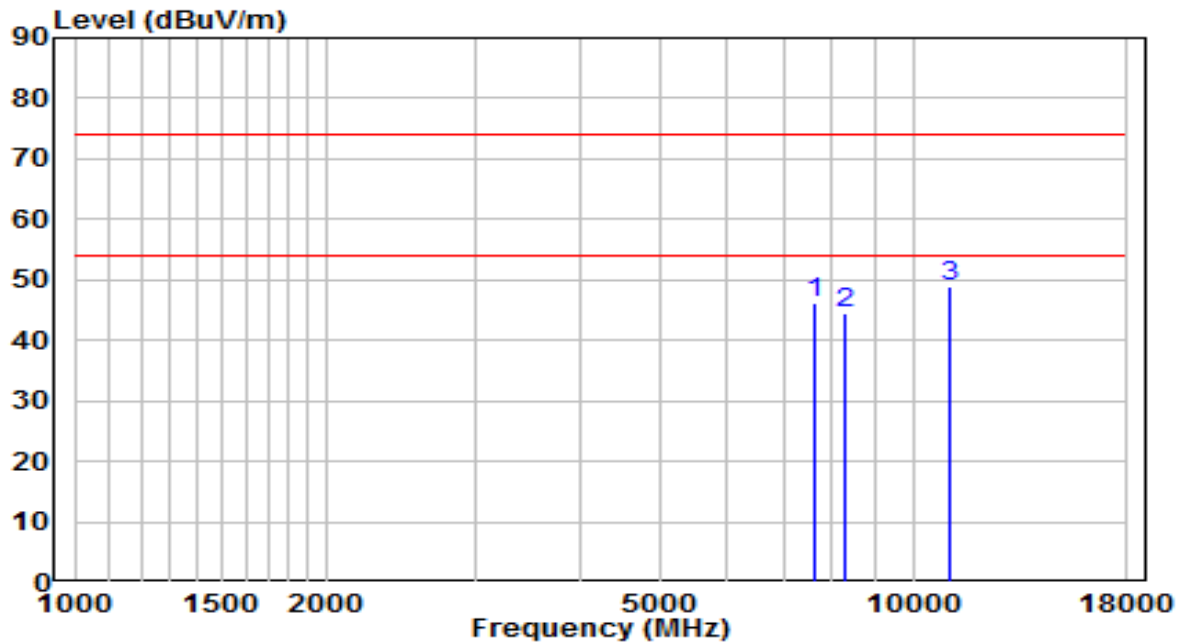


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7417.500	32.97	11.48	44.45	-29.55	74.00	Peak
2	8148.500	31.85	12.51	44.36	-29.64	74.00	Peak
3	* 10877.000	30.96	17.61	48.57	-25.43	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at channel 2452MHz	Test Voltage	110V/60Hz

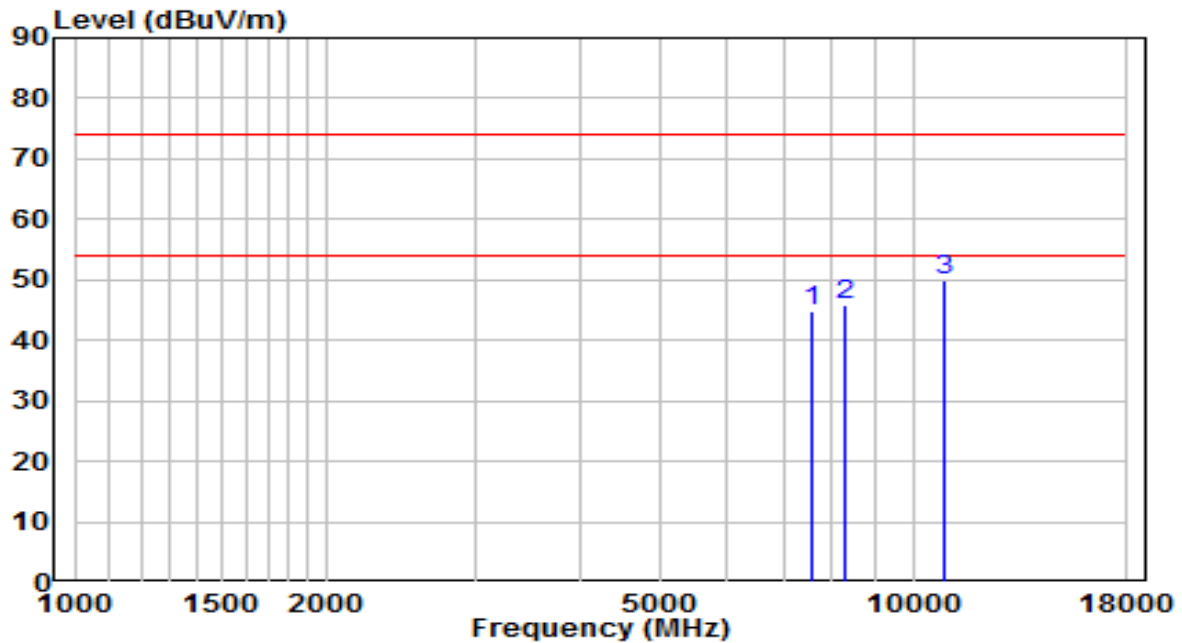


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7613.000	34.29	11.90	46.19	-27.81	74.00	Peak
2	8318.500	32.09	12.48	44.58	-29.42	74.00	Peak
3	* 11089.500	31.09	17.90	48.99	-25.01	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at channel 2452MHz	Test Voltage	110V/60Hz

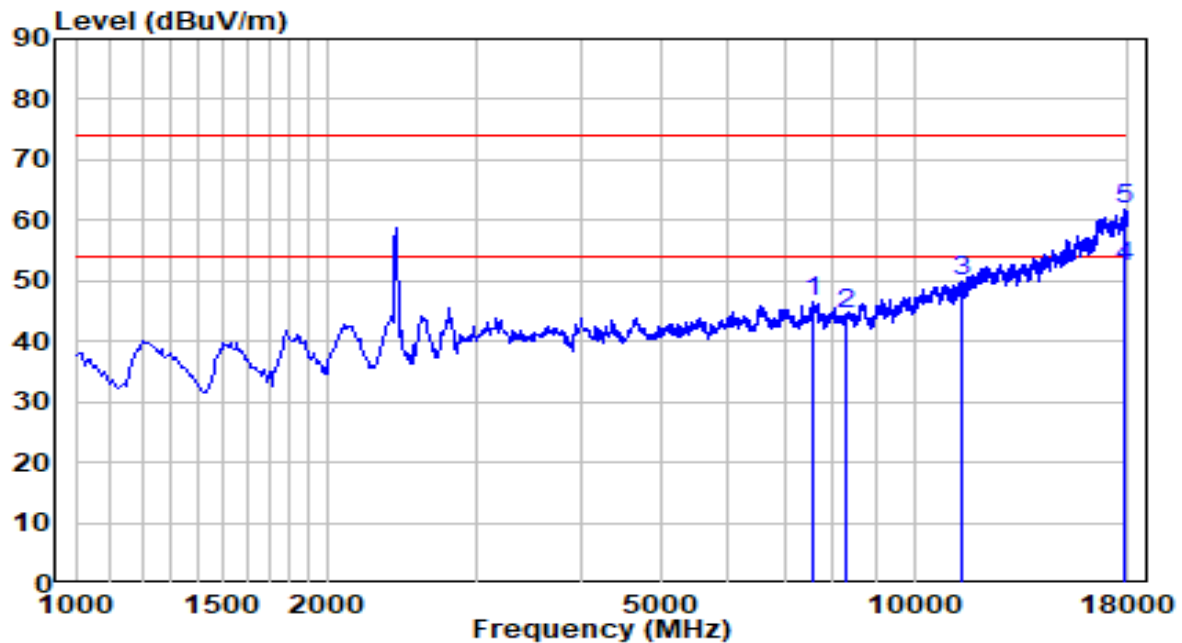


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7553.500	32.87	11.80	44.67	-29.33	74.00	Peak
2	8318.500	33.23	12.48	45.71	-28.29	74.00	Peak
3	* 10894.000	32.20	17.63	49.83	-24.17	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at channel 2412MHz	Test Voltage	110V/60Hz

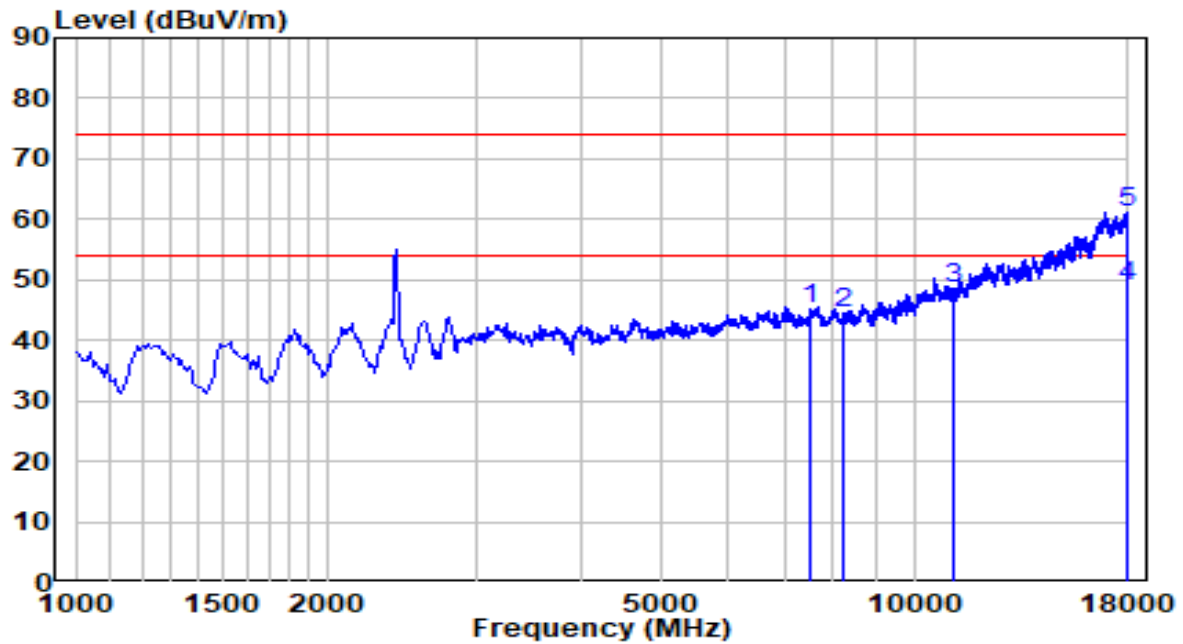


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7596.000	34.57	11.87	46.44	-27.56	74.00	Peak
2	8310.000	31.97	12.48	44.45	-29.55	74.00	Peak
3	11404.000	31.74	18.32	50.06	-23.94	74.00	Peak
4	* 17830.000	20.78	31.58	52.36	-1.64	54.00	Average
5	17830.000	30.21	31.58	61.80	-12.20	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. We only show the worst case test trace for this mode.
6. Frequency between 2-3GHz is 2412MHz fundamental frequency.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at channel 2412MHz	Test Voltage	110V/60Hz

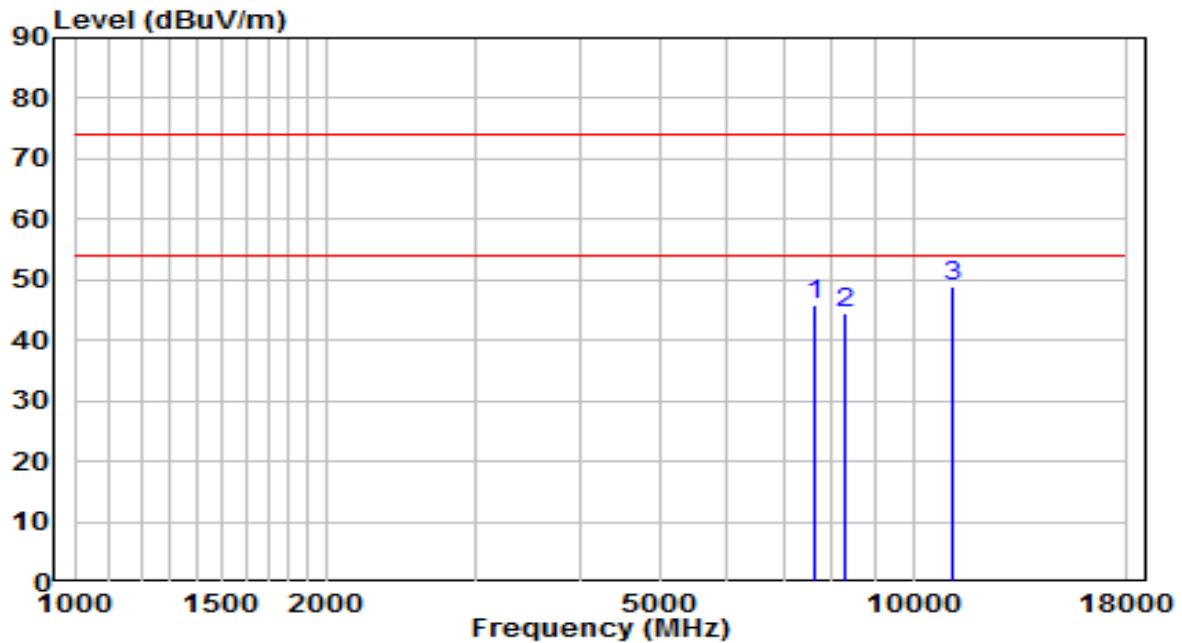


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7528.000	33.38	11.76	45.14	-28.86	74.00	Peak
2	8259.000	31.99	12.49	44.48	-29.52	74.00	Peak
3	11115.000	30.66	17.93	48.59	-25.41	74.00	Peak
4	* 17974.500	16.78	32.00	48.78	-5.22	54.00	Average
5	17974.500	29.27	32.00	61.27	-12.73	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. We only show the worst case test trace for this mode.
6. Frequency between 2-3GHz is 2412MHz fundamental frequency.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at channel 2437MHz	Test Voltage	110V/60Hz

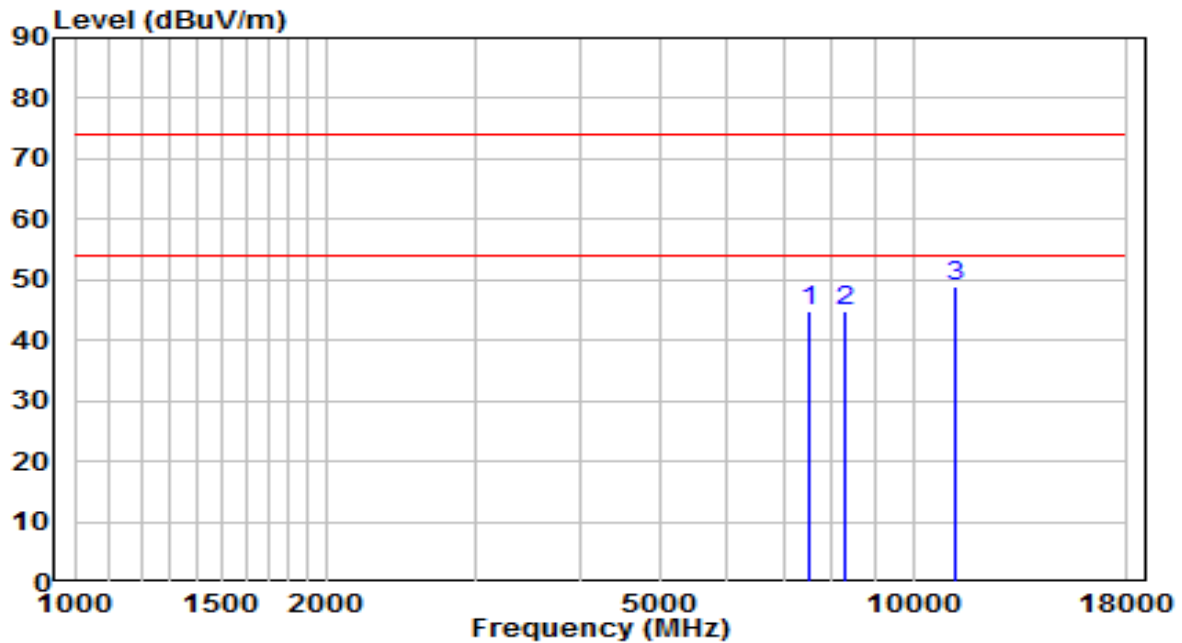


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7604.500	33.99	11.89	45.88	-28.12	74.00	Peak
2	8301.500	31.91	12.48	44.40	-29.60	74.00	Peak
3	* 11123.500	31.08	17.95	49.03	-24.97	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at channel 2437MHz	Test Voltage	110V/60Hz

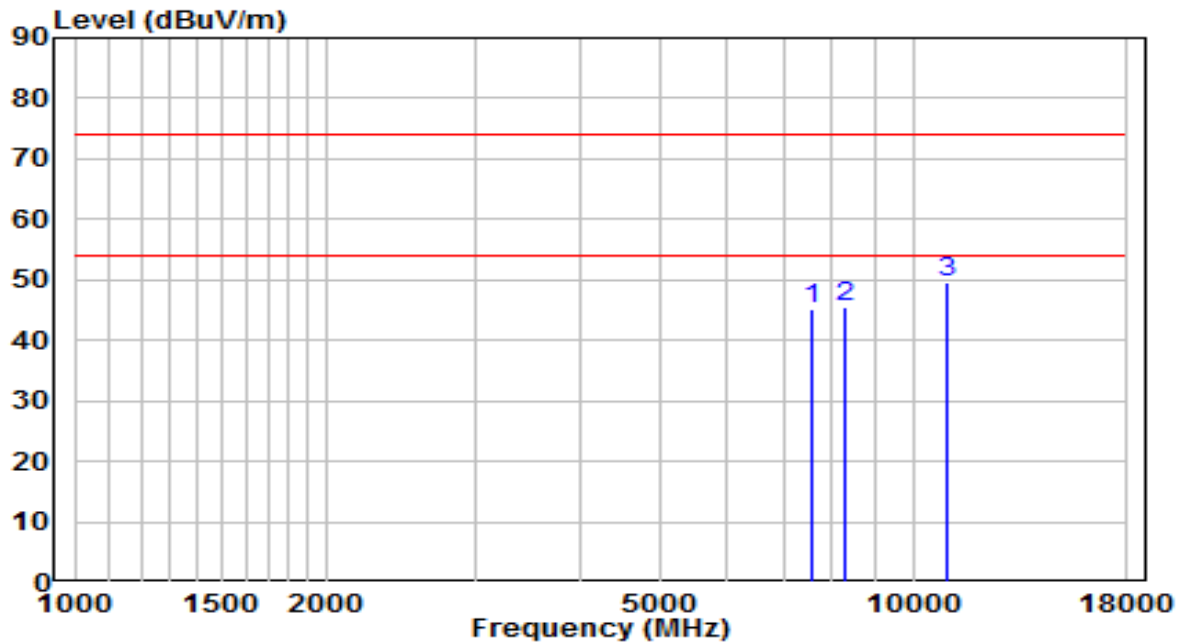


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7494.000	33.16	11.70	44.86	-29.14	74.00	Peak
2	8318.500	32.39	12.48	44.87	-29.13	74.00	Peak
3	* 11242.500	30.75	18.10	48.85	-25.15	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at channel 2462MHz	Test Voltage	110V/60Hz

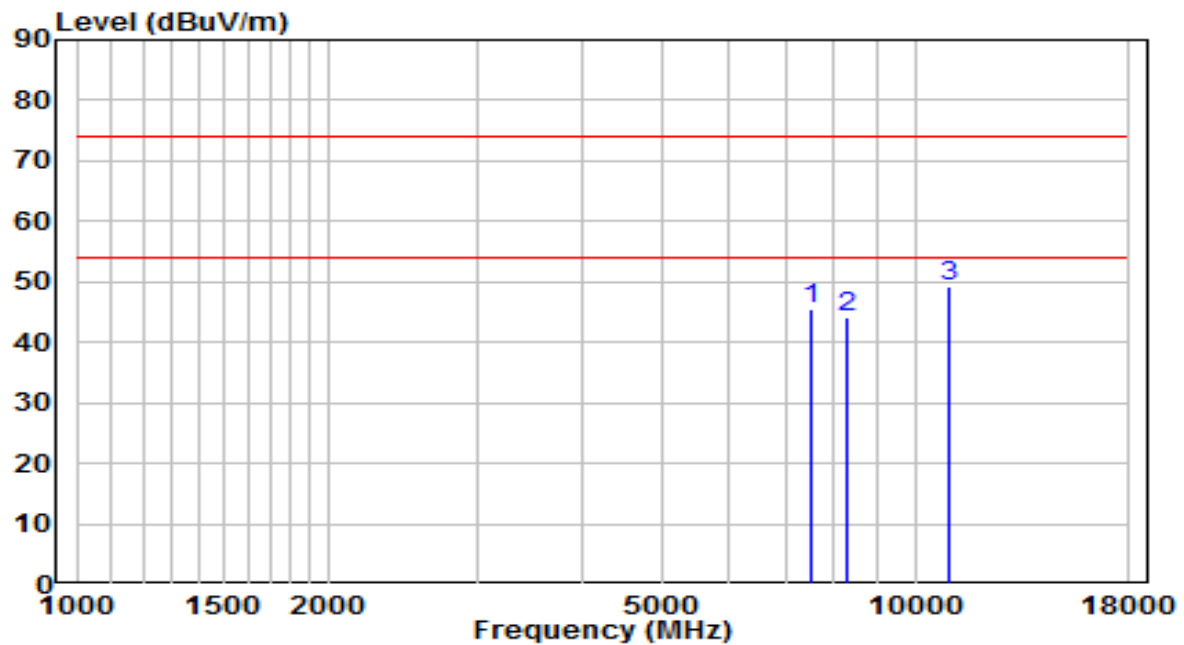


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7553.500	33.20	11.80	45.00	-29.00	74.00	Peak
2	8318.500	32.98	12.48	45.47	-28.53	74.00	Peak
3	* 10936.500	31.90	17.69	49.59	-24.41	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at channel 2462MHz	Test Voltage	110V/60Hz

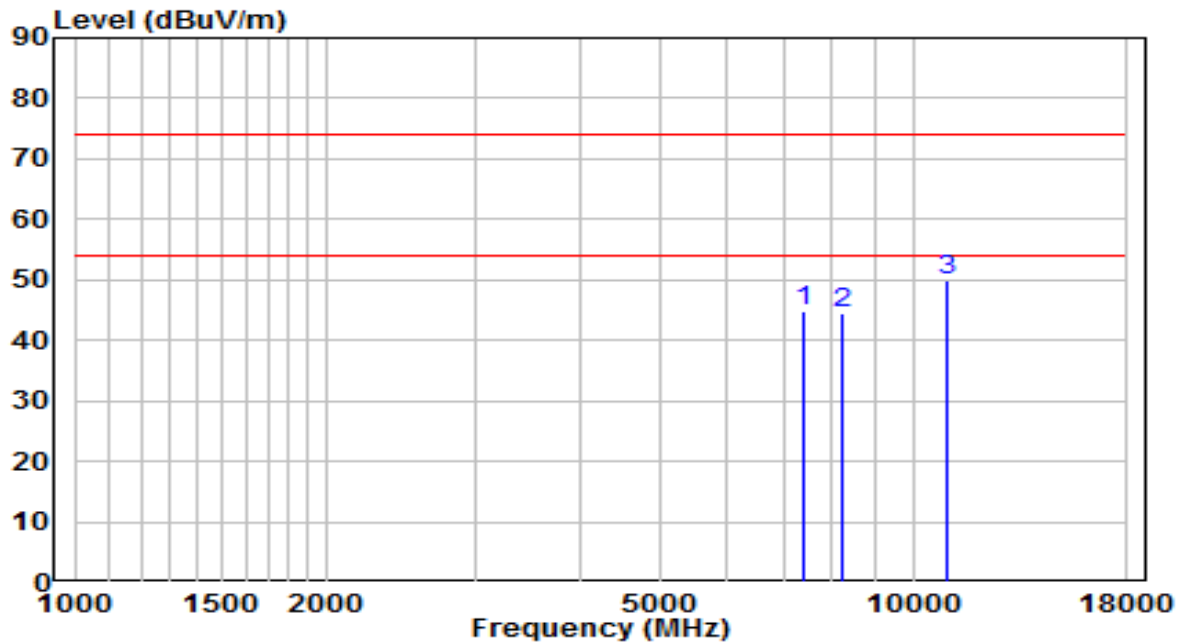


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7519.500	33.63	11.75	45.38	-28.62	74.00	Peak
2	8293.000	31.73	12.49	44.21	-29.79	74.00	Peak
3	* 10987.500	31.50	17.76	49.26	-24.74	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at channel 2422MHz	Test Voltage	110V/60Hz

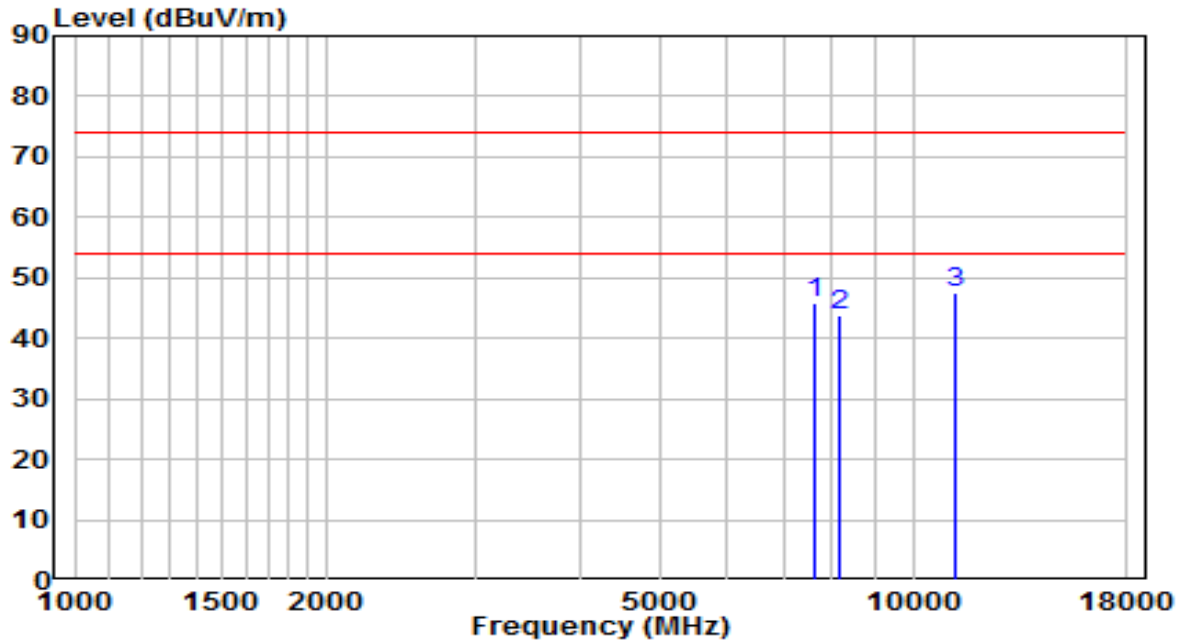


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7409.000	33.38	11.46	44.84	-29.16	74.00	Peak
2	8216.500	32.12	12.50	44.61	-29.39	74.00	Peak
3	* 10945.000	32.35	17.70	50.06	-23.94	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at channel 2422MHz	Test Voltage	110V/60Hz

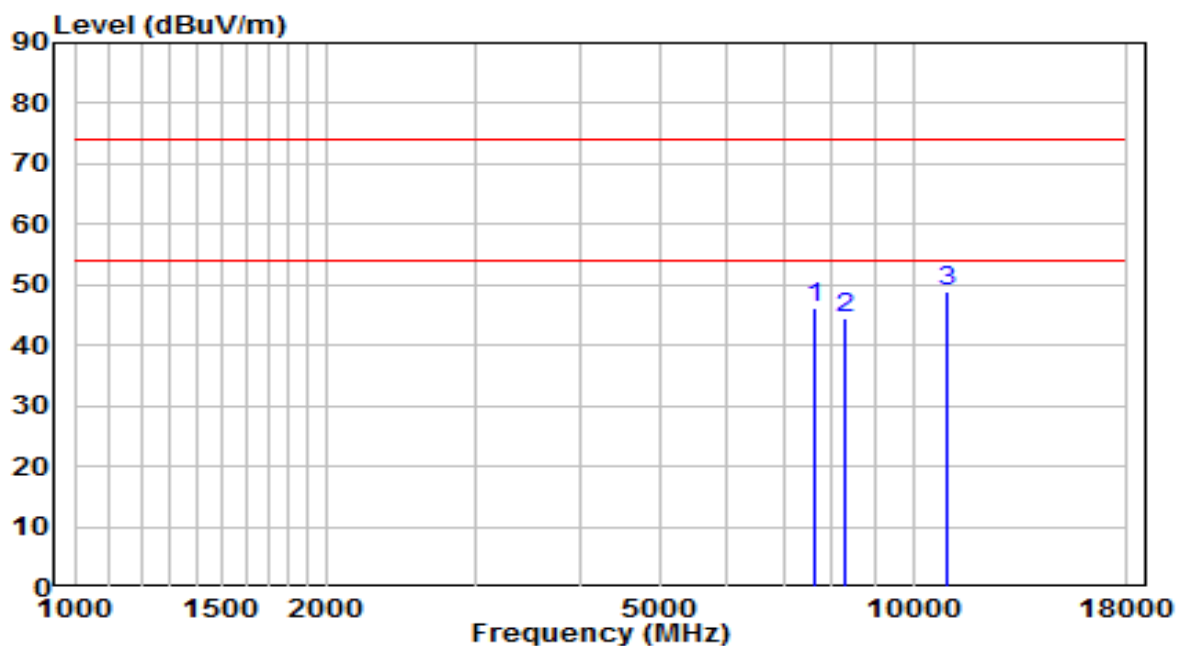


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7613.000	33.80	11.90	45.70	-28.30	74.00	Peak
2	8174.000	31.21	12.50	43.71	-30.29	74.00	Peak
3	* 11217.000	29.54	18.07	47.61	-26.39	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at channel 2437MHz	Test Voltage	110V/60Hz

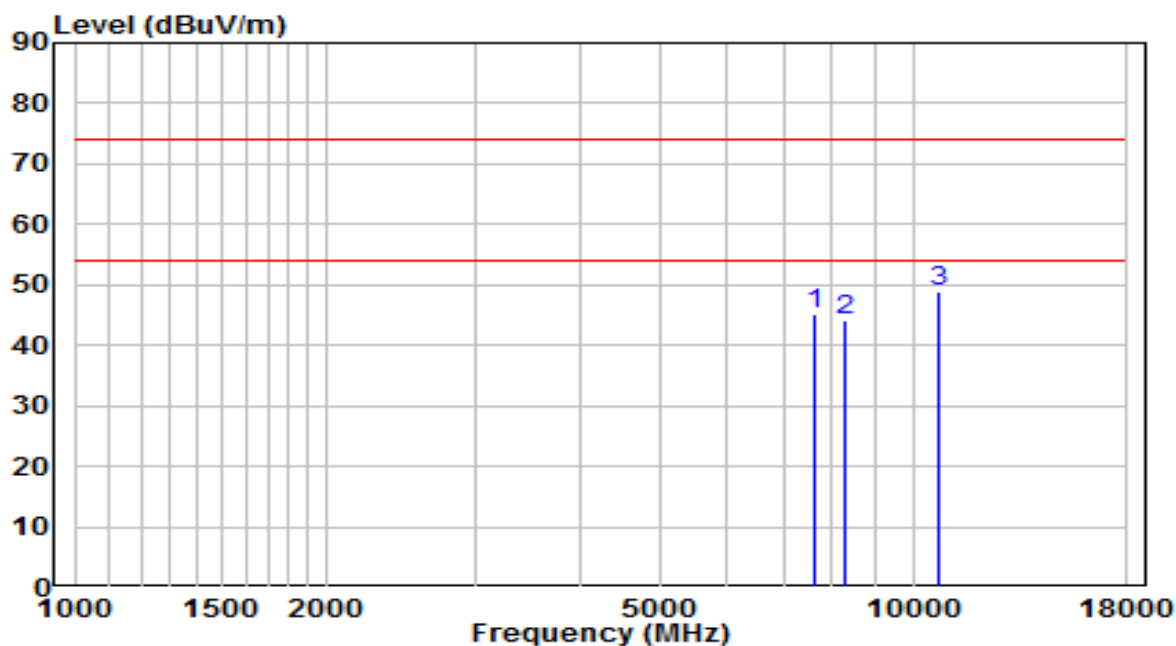


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7655.500	34.27	11.97	46.23	-27.77	74.00	Peak
2	8267.500	31.91	12.49	44.40	-29.60	74.00	Peak
3	* 10953.500	31.19	17.71	48.90	-25.10	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at channel 2437MHz	Test Voltage	110V/60Hz

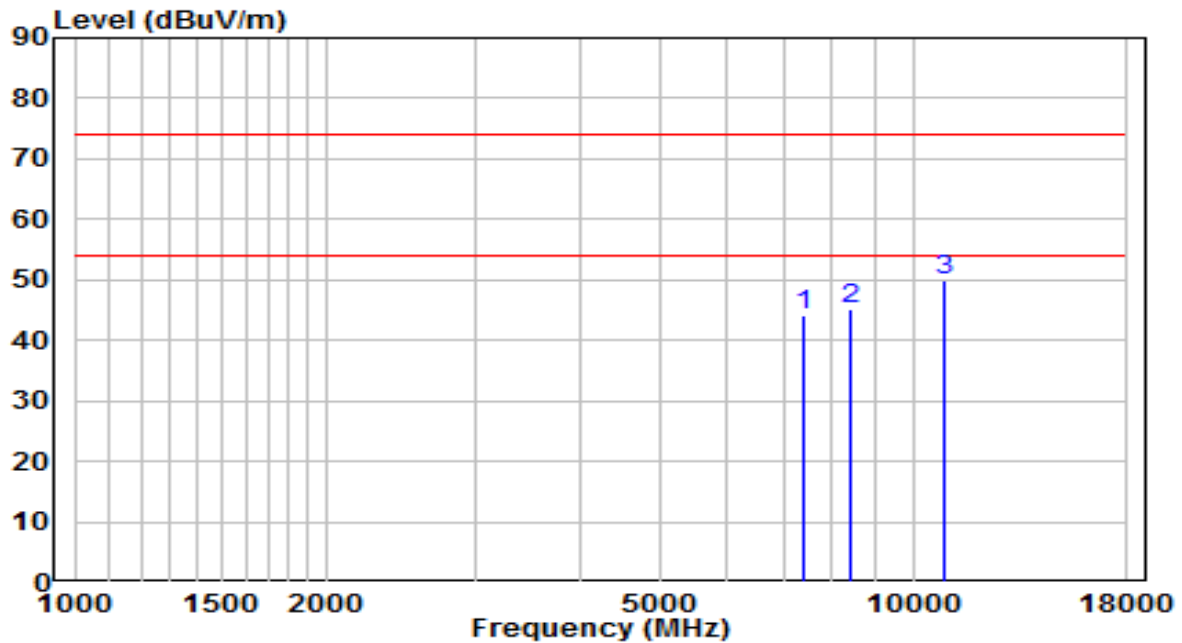


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7604.500	33.28	11.89	45.16	-28.84	74.00	Peak
2	8276.000	31.67	12.49	44.16	-29.84	74.00	Peak
3	* 10715.500	31.43	17.38	48.81	-25.19	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at channel 2452MHz	Test Voltage	110V/60Hz

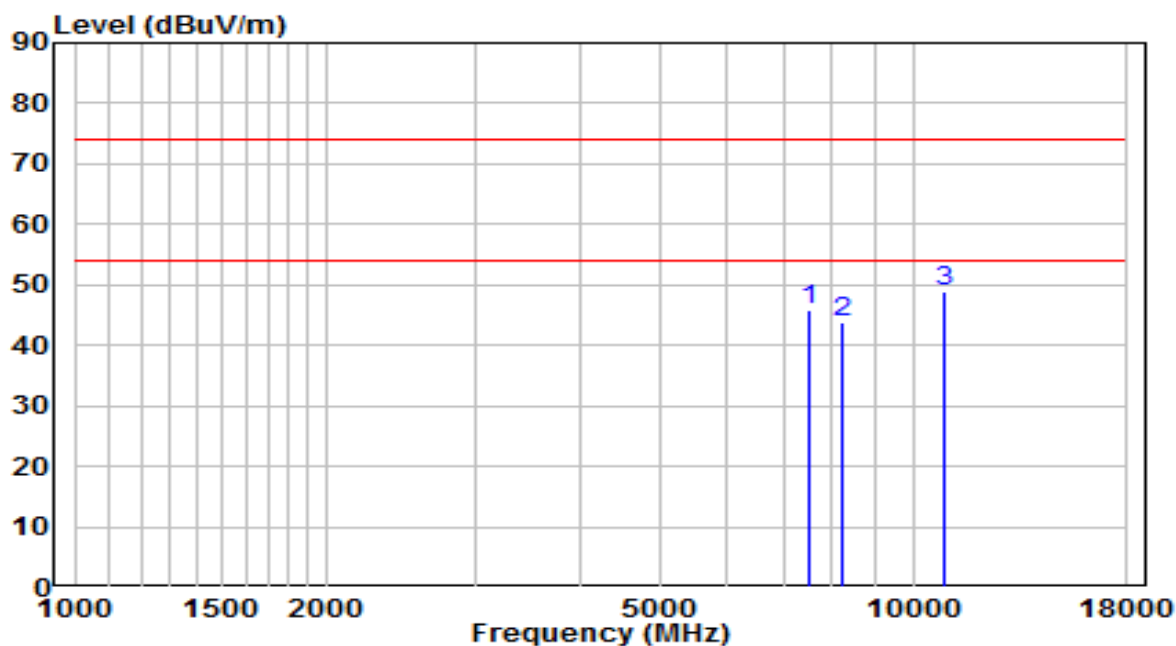


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7426.000	32.75	11.51	44.25	-29.75	74.00	Peak
2	8403.500	32.57	12.47	45.03	-28.97	74.00	Peak
3	* 10894.000	32.21	17.63	49.84	-24.16	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-7
Factor	BBHA 9120D	Temp. / Humidity	18°C/35%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at channel 2452MHz	Test Voltage	110V/60Hz



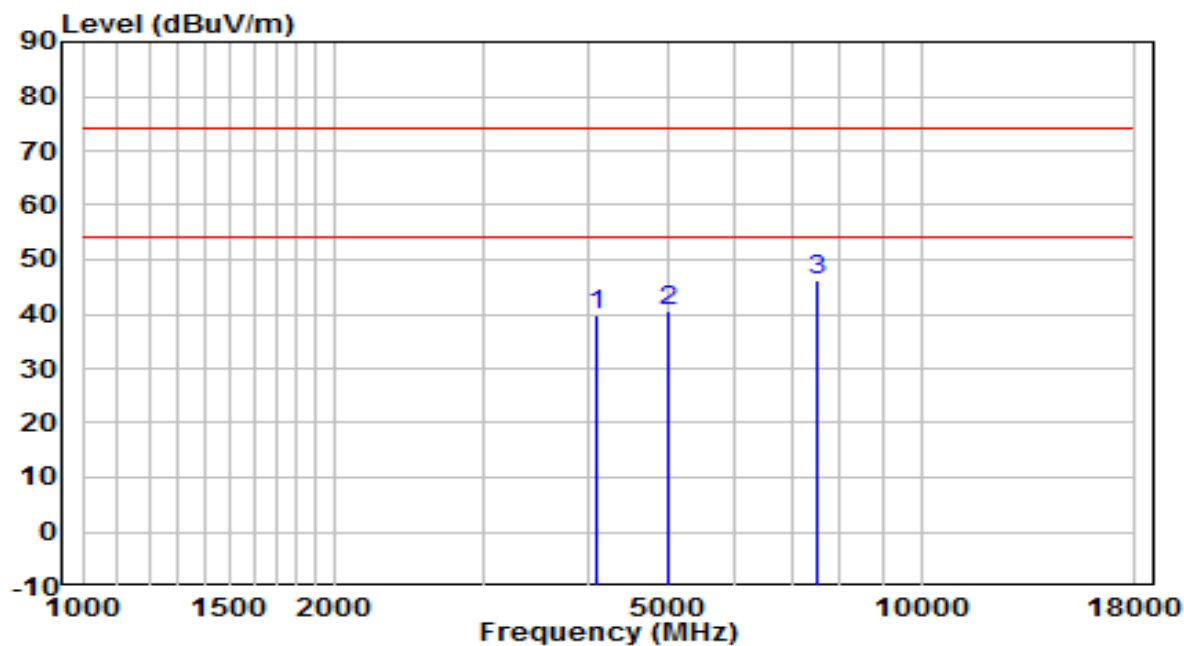
No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	7536.500	34.21	11.77	45.98	-28.02	74.00	Peak
2	8242.000	31.38	12.49	43.87	-30.13	74.00	Peak
3	* 10877.000	31.42	17.61	49.02	-24.98	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Filter Configuration 2#

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	24.2°C/38%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

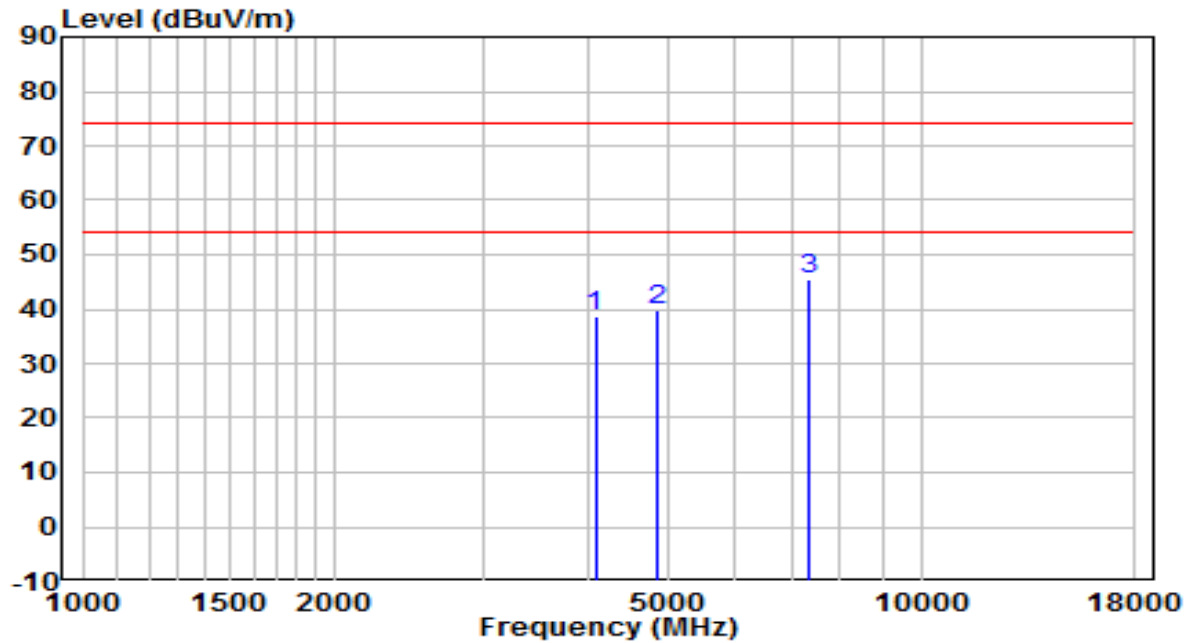


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4094.000	38.69	1.19	39.89	-34.11	74.00	Peak
2	4978.000	36.84	3.70	40.54	-33.46	74.00	Peak
3	* 7494.000	34.49	11.70	46.19	-27.81	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 2#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	24.2°C/38%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz



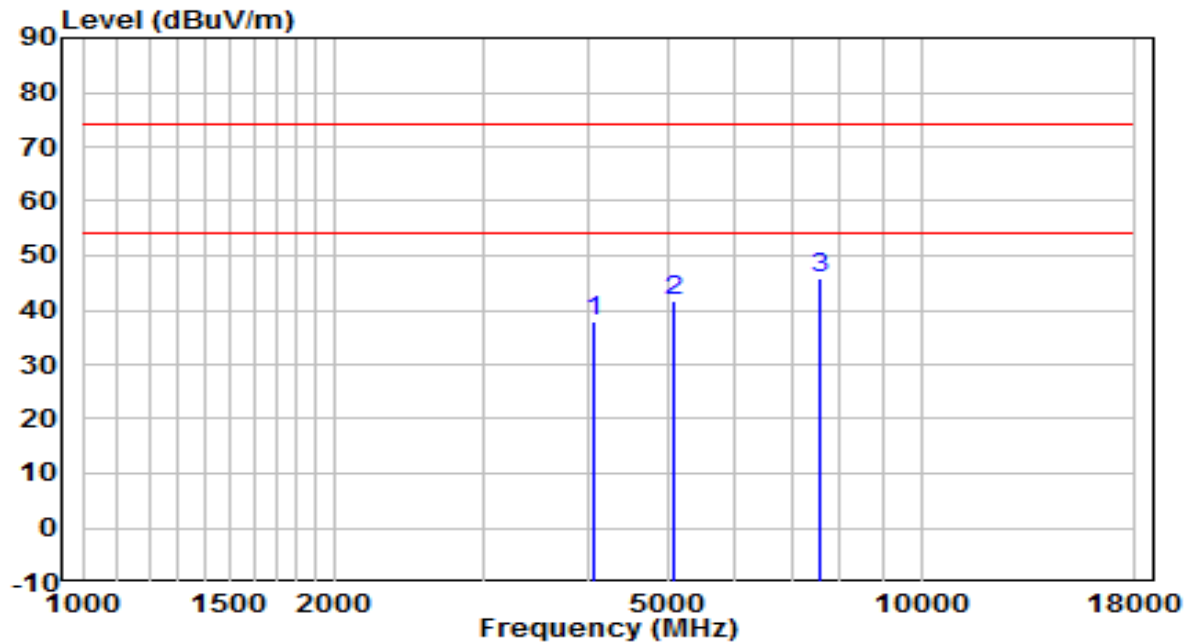
No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	4085.500	37.57	1.17	38.74	-35.26	74.00	Peak
2	4833.500	36.40	3.35	39.75	-34.25	74.00	Peak
3	* 7358.000	34.08	11.31	45.39	-28.61	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 2#, the worst case was performed in the report.

Filter Configuration 3#

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	24.2°C/38%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

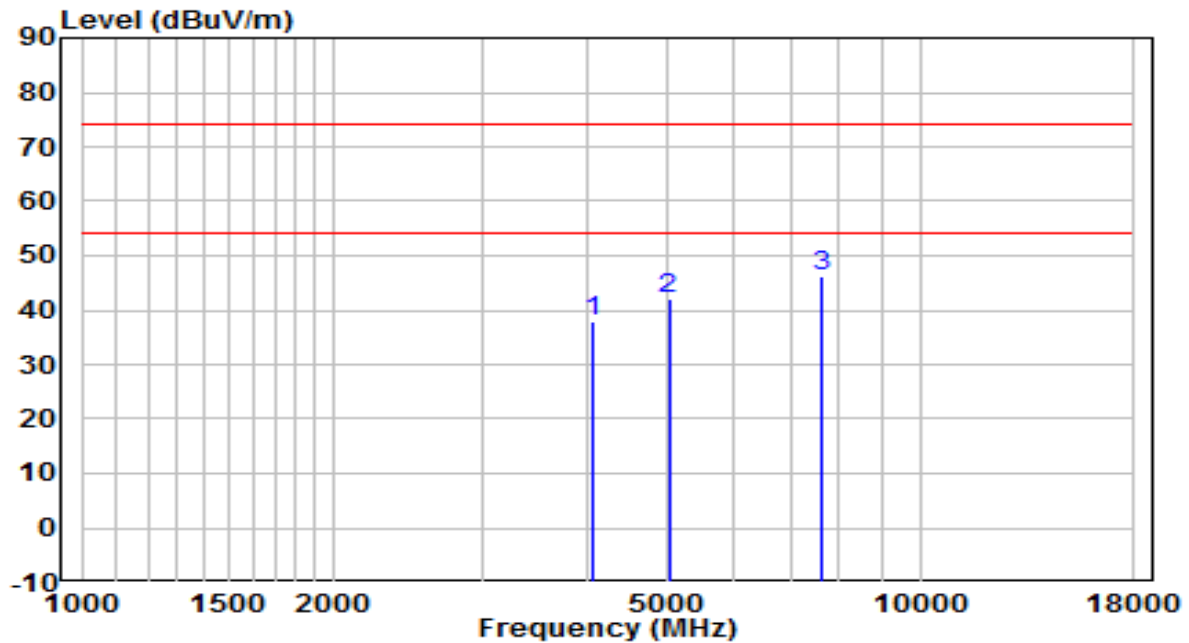


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4068.500	36.98	1.11	38.09	-35.91	74.00	Peak
2	5071.500	37.70	3.82	41.52	-32.48	74.00	Peak
3	* 7579.000	33.82	11.84	45.66	-28.34	74.00	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(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.
- For filter 3#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	24.2°C/38%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

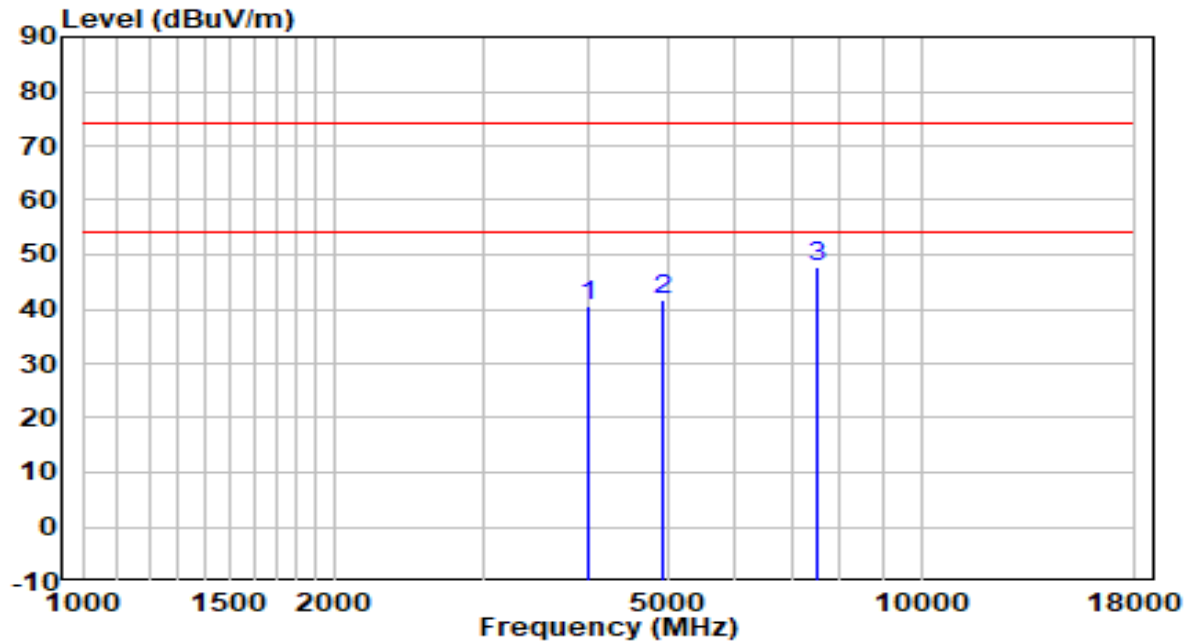


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	4068.500	36.70	1.11	37.81	-36.19	74.00	Peak
2	5012.000	38.13	3.76	41.89	-32.11	74.00	Peak
3	* 7655.500	34.22	11.97	46.19	-27.81	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 3#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-09-14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	24.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Receive by 80211b at channel 2437MHz	Test Voltage	110V/60Hz

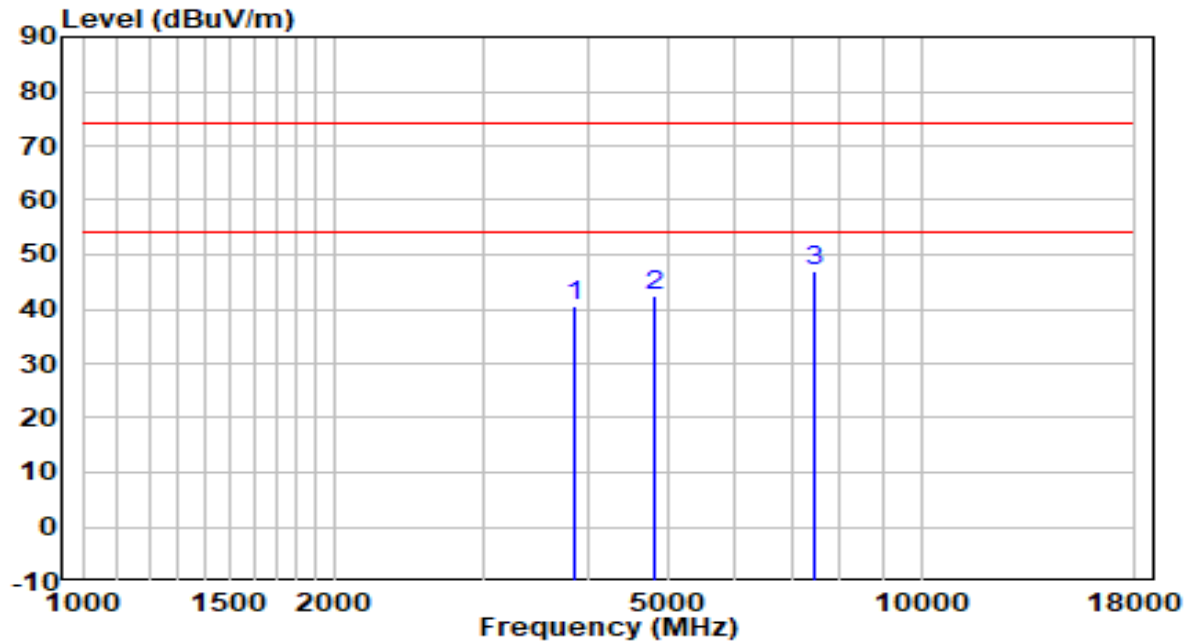


No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	4009.000	39.23	1.21	40.44	-33.56	74.00	Peak
2	4935.500	37.73	3.83	41.57	-32.43	74.00	Peak
3	* 7519.500	34.79	13.03	47.82	-26.18	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- 4.The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-09-14
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	24.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Receive by 80211b at channel 2437MHz	Test Voltage	110V/60Hz



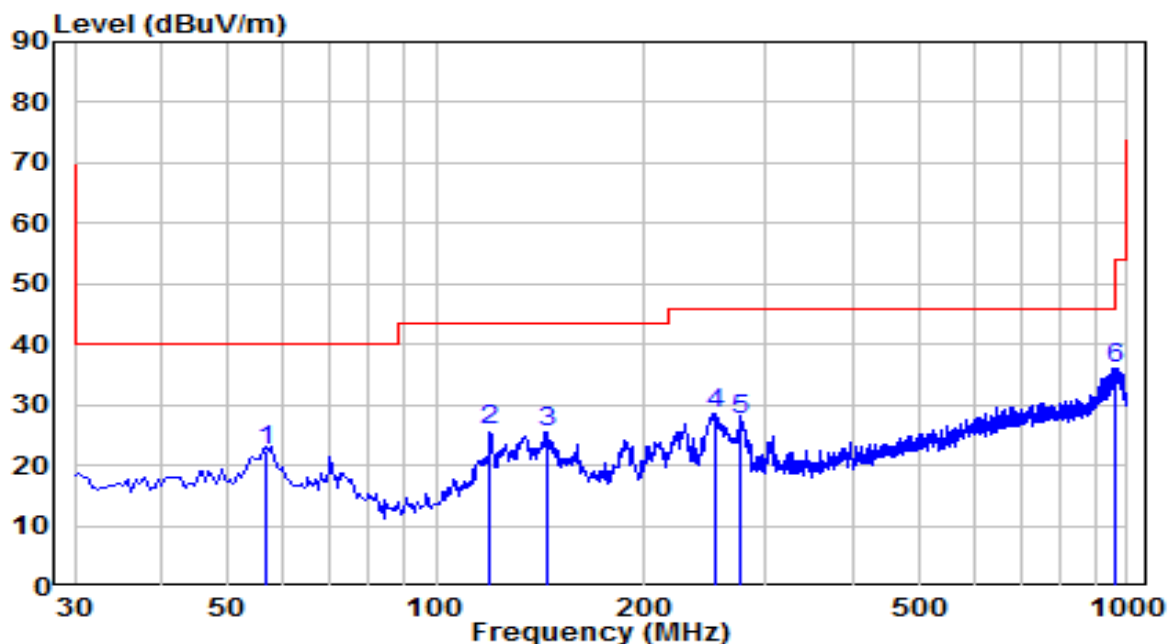
No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	3847.500	39.92	0.72	40.63	-33.37	74.00	Peak
2	4791.000	38.72	3.57	42.29	-31.71	74.00	Peak
3	* 7468.500	34.21	12.88	47.09	-26.91	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- 4.The emission levels of other frequencies are very lower than the limit and not show in test report.

The Worst Case of Radiated Emission below 1GHz:

EUT	ACCESS POINT	Date of Test	2021-04-28
Factor	VULB 9162	Temp. / Humidity	23.0°C/50.5%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2437MHz	Test Voltage	110V/60Hz

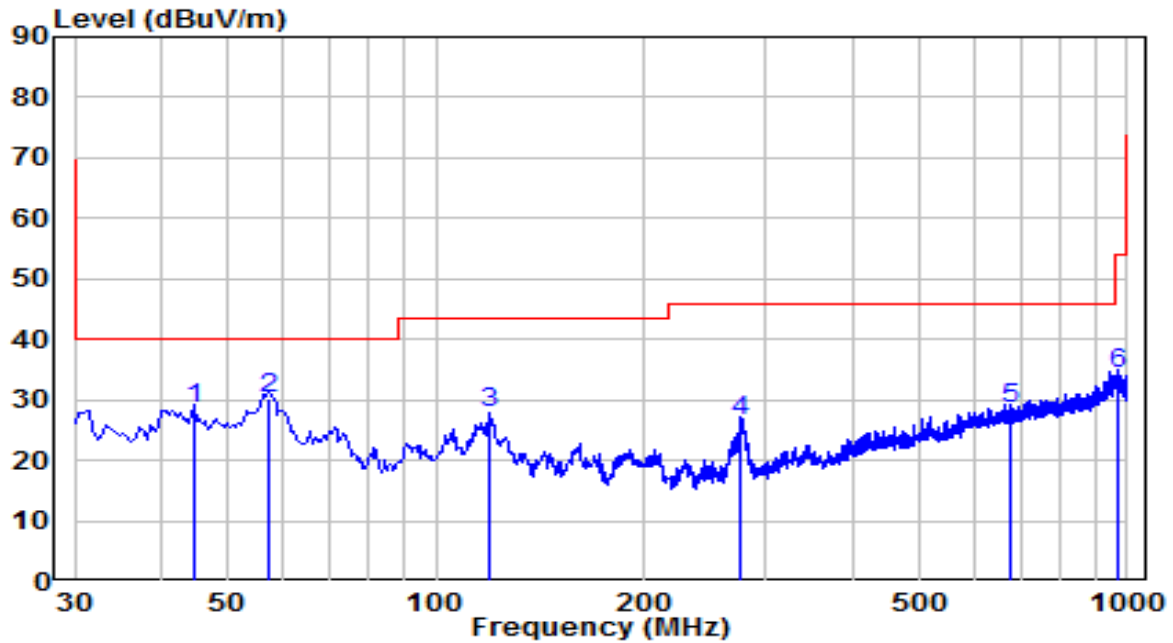


No		Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	*	56.675	1.67	20.82	22.49	-17.51	40.00	QP
2		119.725	8.64	17.28	25.92	-17.58	43.50	QP
3		144.945	9.37	16.00	25.37	-18.13	43.50	QP
4		252.615	7.86	20.55	28.41	-17.59	46.00	QP
5		275.895	6.73	20.90	27.63	-18.37	46.00	QP
6		961.200	3.67	32.34	36.01	-17.99	54.00	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBUV/m) = Reading(dBUV) + 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 ~ 25GHz), 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	ACCESS POINT	Date of Test	2021-04-28
Factor	VULB 9162	Temp. / Humidity	23.0°C/50.5%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at channel 2437MHz	Test Voltage	110V/60Hz

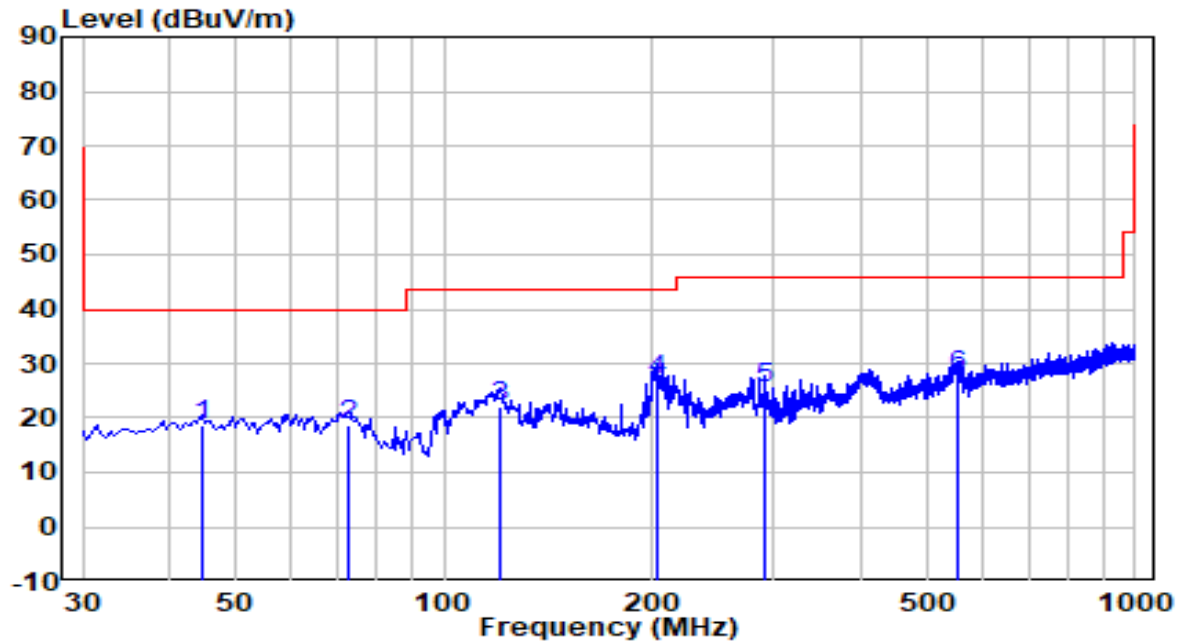


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	44.550	6.84	21.74	28.58	-11.42	40.00	QP
2	57.160	9.57	20.73	30.30	-9.70	40.00	QP
3	119.240	10.36	17.35	27.71	-15.79	43.50	QP
4	276.380	5.44	20.92	26.36	-19.64	46.00	QP
5	675.535	-0.39	28.97	28.58	-17.42	46.00	QP
6	966.050	1.96	32.41	34.37	-19.63	54.00	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + 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 ~ 25GHz), 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	ACCESS POINT	Date of Test	2021-09-14
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	24.1°C/44.7%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay
Test Mode	Receive by 80211b at channel 2437MHz	Test Voltage	110V/60Hz

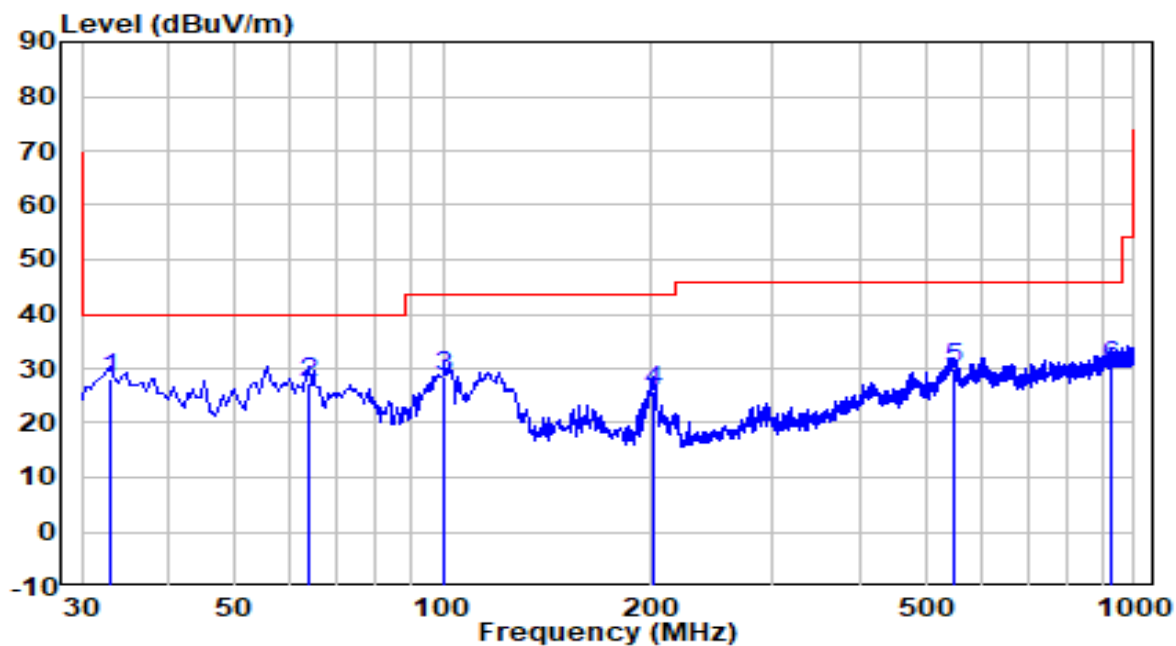


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	44.550	-3.13	21.74	18.61	-21.39	40.00	QP
2	72.680	2.59	16.27	18.86	-21.14	40.00	QP
3	120.210	4.93	17.22	22.15	-21.35	43.50	QP
4	* 202.660	7.91	19.13	27.04	-16.46	43.50	QP
5	290.930	4.07	21.29	25.36	-20.64	46.00	QP
6	554.285	0.67	26.89	27.56	-18.44	46.00	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-09-14
Factor	VULB 9162 (30MHz~8GHz)	Temp. / Humidity	24.1°C/44.7%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay
Test Mode	Receive by 80211b at channel 2437MHz	Test Voltage	110V/60Hz



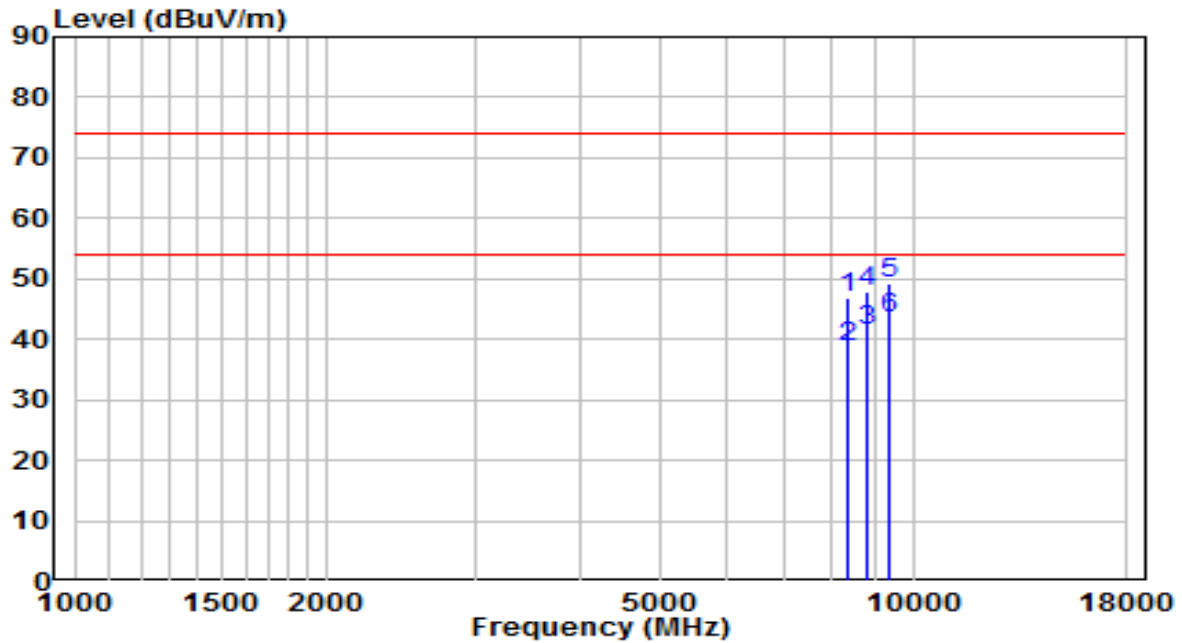
No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	32.910	9.20	18.94	28.14	-11.86	40.00	QP
2		63.950	8.32	18.93	27.25	-12.75	40.00	QP
3		100.325	9.37	19.16	28.53	-14.97	43.50	QP
4		200.720	6.56	19.22	25.78	-17.72	43.50	QP
5		547.495	3.24	26.78	30.02	-15.98	46.00	QP
6		924.825	-1.68	31.96	30.28	-15.72	46.00	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Co-location spurious emission test data

EUT	ACCESS POINT	Date of Test	2021-04-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/50.5%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 2.4G+5G+6G+Zigbee	Test Voltage	110V/60Hz

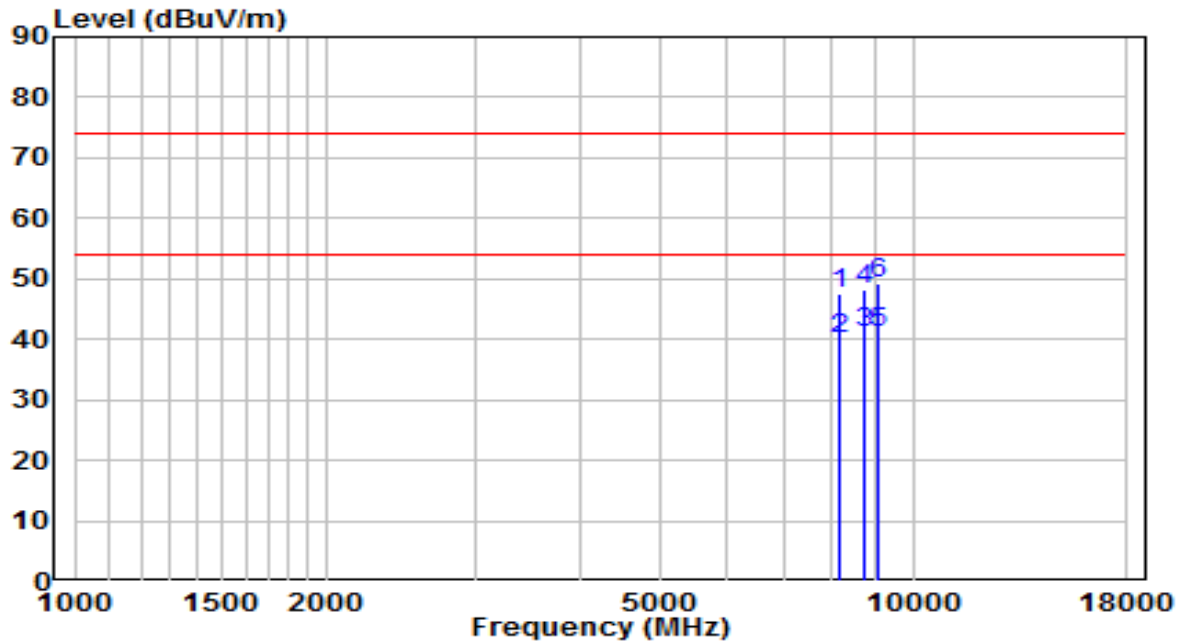


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	8327.000	34.54	12.48	47.02	-26.98	74.00	Peak
2	8327.000	26.17	12.48	38.65	-15.35	54.00	Average
3	8811.000	28.37	13.22	41.59	-12.41	54.00	Average
4	8811.500	34.82	13.22	48.04	-25.96	74.00	Peak
5	9381.000	35.03	14.24	49.27	-24.73	74.00	Peak
6	* 9381.000	29.17	14.24	43.41	-10.59	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. Wi-Fi 802.11b 2412MHz (Power Setting = 18.5) + 802.11a 5745MHz (Power Setting = 18.0) + 802.11ax-HE160 6985MHz (Power Setting = 17.0) + Zigbee 2480MHz (Power Setting = 8.0)

EUT	ACCESS POINT	Date of Test	2021-04-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/50.5%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 2.4G+5G+6G+Zigbee Mode	Test Voltage	110V/60Hz

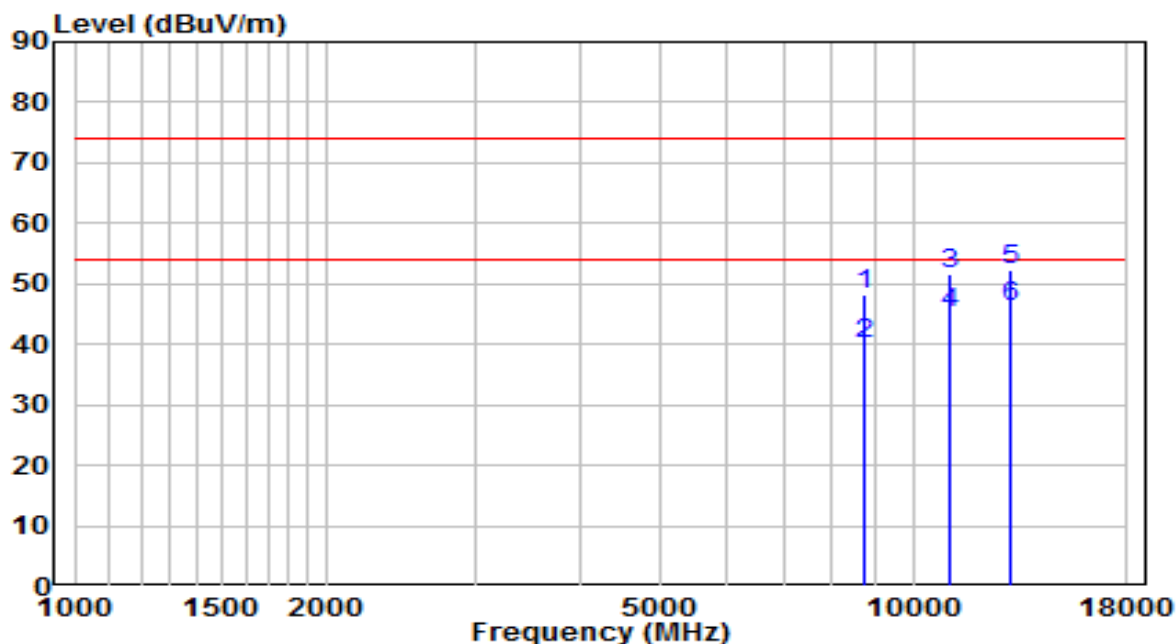


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1		8174.000	34.95	12.50	47.45	-26.55	74.00	Peak
2		8174.000	27.44	12.50	39.94	-14.06	54.00	Average
3	*	8726.000	28.19	13.01	41.20	-12.80	54.00	Average
4		8726.500	35.32	13.01	48.33	-25.67	74.00	Peak
5		9083.000	27.31	13.80	41.11	-12.89	54.00	Average
6		9083.500	35.43	13.80	49.23	-24.77	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- 4.The emission levels of other frequencies are very lower than the limit and not show in test report.
5. Wi-Fi 802.11b 2412MHz (Power Setting = 18.5) + 802.11a 5745MHz (Power Setting = 18.0) + 802.11ax-HE160 6985MHz (Power Setting = 17.0) + Zigbee 2480MHz (Power Setting = 8.0)

EUT	ACCESS POINT	Date of Test	2021-04-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/50.5%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 2.4G+5G+6G+BT	Test Voltage	110V/60Hz

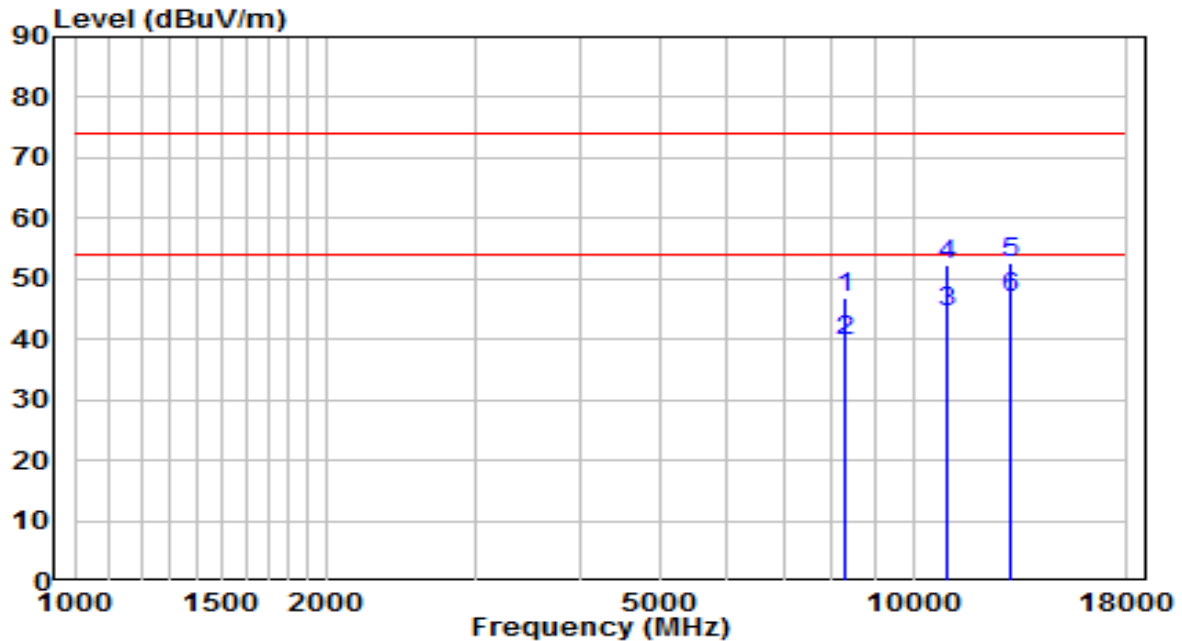


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	8743.500	35.08	13.05	48.13	-25.87	74.00	Peak
2	8743.500	27.15	13.05	40.20	-13.80	54.00	Average
3	11055.500	33.92	17.85	51.77	-22.23	74.00	Peak
4	11055.500	27.31	17.85	45.16	-8.84	54.00	Average
5	13104.000	32.76	19.55	52.31	-21.69	74.00	Peak
6	* 13104.000	26.61	19.55	46.16	-7.84	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement (dBuV/m) = Reading (dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. Wi-Fi 802.11b 2462MHz (Power Setting = 18.0) + 802.11a 5745MHz (Power Setting = 18.0) + 802.11ax-HE160 6985MHz (Power Setting = 17.0) + BLE 2402MHz (Power Setting = 8.0)

EUT	ACCESS POINT	Date of Test	2021-04-28
Factor	BBHA 9120D (1GHz~18GHz)	Temp. / Humidity	23.0°C/50.5%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 2.4G+5G+6G+BT	Test Voltage	110V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	8293.000	34.42	12.49	46.91	-27.09	74.00	Peak
2	8293.000	27.11	12.49	39.60	-14.40	54.00	Average
3	10987.000	26.81	17.76	44.57	-9.43	54.00	Average
4	10987.500	34.68	17.76	52.45	-21.55	74.00	Peak
5	13070.000	33.13	19.47	52.59	-21.41	74.00	Peak
6	* 13070.000	27.39	19.47	46.86	-7.14	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)– Preamplifier(dB).
3. Measurement (dBuV/m) = Reading (dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. Wi-Fi 802.11b 2462MHz (Power Setting = 18.0) + 802.11a 5745MHz (Power Setting = 18.0) + 802.11ax-HE160 6985MHz (Power Setting = 17.0) + BLE 2402MHz (Power Setting = 8.0)

5.5. 混附發射之 RF 傳導發射

5.5.1. 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 4.10.1.5 節，使用頻帶範圍外之任意 100 千赫 (kHz) 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz) 內的射頻功率，至少須衰減 20 dB，以射頻傳導或輻射方式測量。如發射機以本節 4.10.1(2)(2.3) 之峰值傳導輸出功率量測方式者，至少須衰減 30 dB。此外，落於第 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定。

備註

解析頻寬設置為 1.3 MHz 是為了提供量測速度。使用限值還是法規定義的基於解析頻寬 100 kHz 情形下主波下降 20dB，如果量測波形接近限值，我們會使用降低解析頻寬方式作驗證。

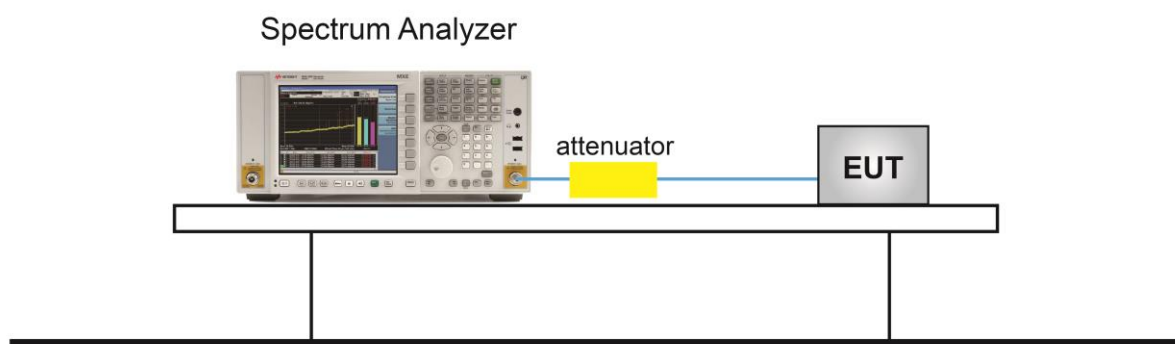
5.5.2. 量測方法

依據國家通訊傳播委員會低功率射頻器材技術規範之附件三，頻率跳頻展頻系統檢測之參考程式七 混附發射之 RF 傳導發射：

(一) 頻譜分析儀設定如下：

1. 頻率掃描範圍足以檢測頻帶內的發射波峰位準以及由受測物產生之最低頻率到第 10 次諧波的所有混附發射，通常需要分幾段以涵蓋全部頻率範圍。
2. 解析頻寬為 100kHz，視訊頻寬不小於解析頻寬。
3. 掃描時間為自動，檢波功能為峰值，訊號軌跡為最大保留 (Max Hold)。
4. 將標記設定於任何欲紀錄之波峰上，所顯示之位準值必須符合指定之限制值。

5.5.3. 測試架構圖



5.5.4. 混附發射之 RF 傳導發射測試結果

待測物名稱	ACCESS POINT	溫度	25°C
測試工程師	Eric Lin	濕度	54%
測試場地	SR2	測試日期	2021/01/23

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.11b	1Mbps	01	2412	30	Pass
802.11b	1Mbps	06	2437	30	Pass
802.11b	1Mbps	11	2462	30	Pass
802.11g	6Mbps	01	2412	30	Pass
802.11g	6Mbps	06	2437	30	Pass
802.11g	6Mbps	11	2462	30	Pass
802.11n-HT20	MCS0	01	2412	30	Pass
802.11n-HT20	MCS0	06	2437	30	Pass
802.11n-HT20	MCS0	11	2462	30	Pass
802.11n-HT40	MCS0	03	2422	30	Pass
802.11n-HT40	MCS0	06	2437	30	Pass
802.11n-HT40	MCS0	09	2452	30	Pass
802.11ax-HE20	MCS0	01	2412	30	Pass
802.11ax-HE20	MCS0	06	2437	30	Pass
802.11ax-HE20	MCS0	11	2462	30	Pass
802.11ax-HE40	MCS0	03	2422	30	Pass
802.11ax-HE40	MCS0	06	2437	30	Pass
802.11ax-HE40	MCS0	09	2452	30	Pass

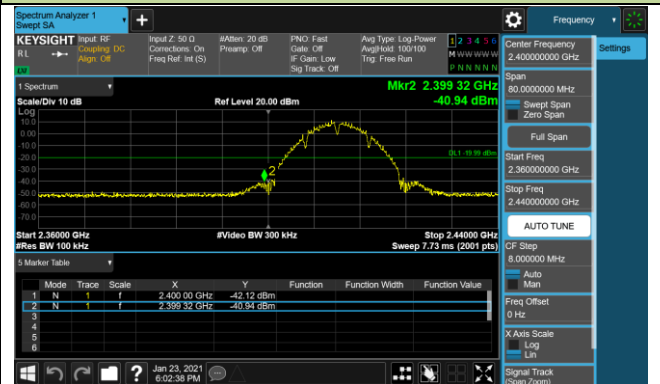
802.11b Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 01 (2412MHz)

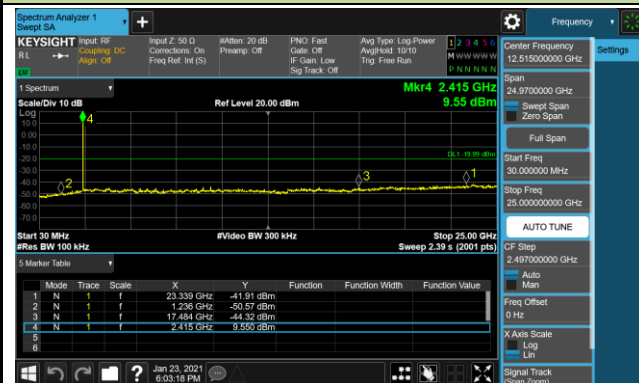
100kHz PSD reference Level



Low Band Edge



Spurious Emission

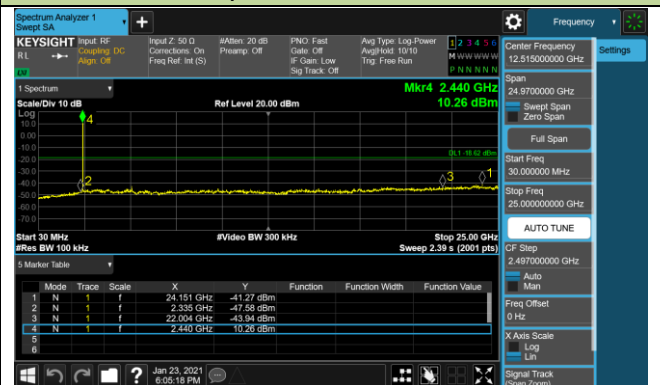


Channel 06 (2437MHz)

100kHz PSD reference Level



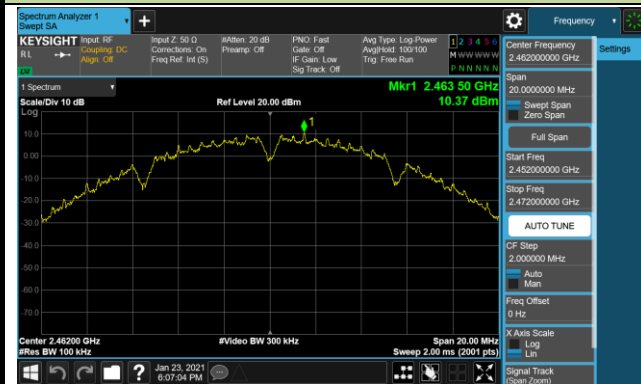
Spurious Emission



802.11b Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 11 (2462MHz)

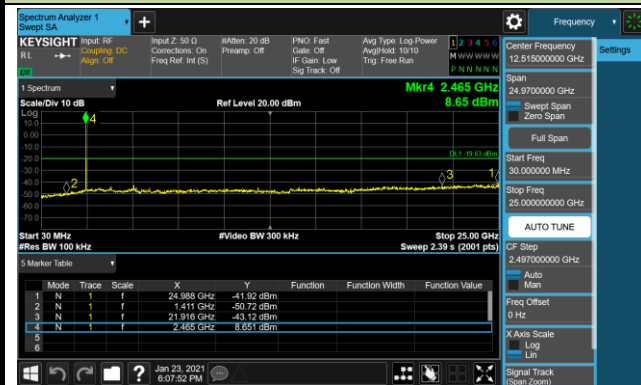
100kHz PSD reference Level



High Band Edge



Spurious Emission



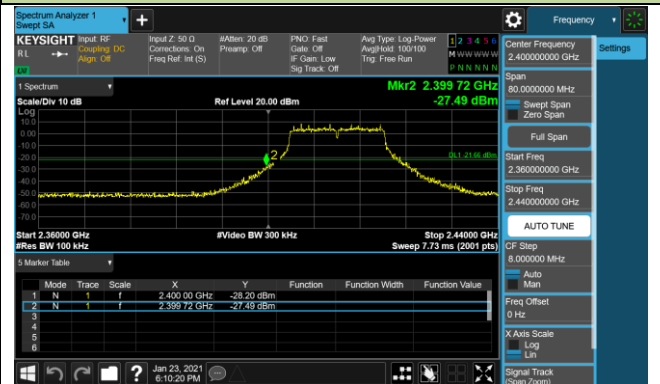
802.11g Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 01 (2412MHz)

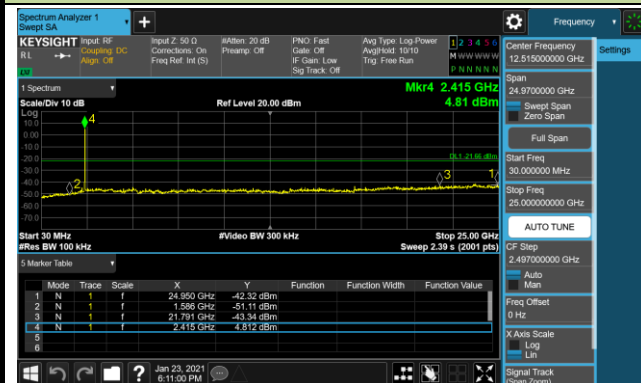
100kHz PSD reference Level



Low Band Edge



Spurious Emission

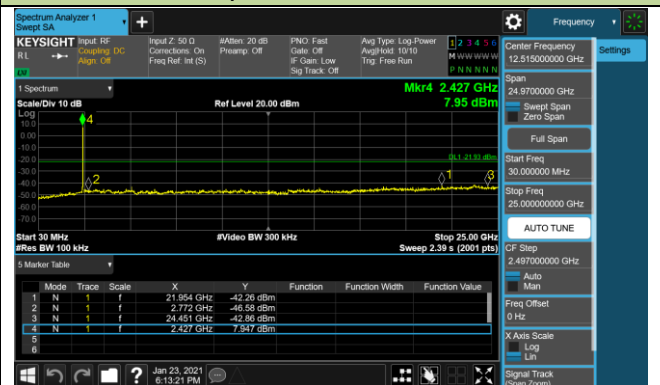


Channel 06 (2437MHz)

100kHz PSD reference Level



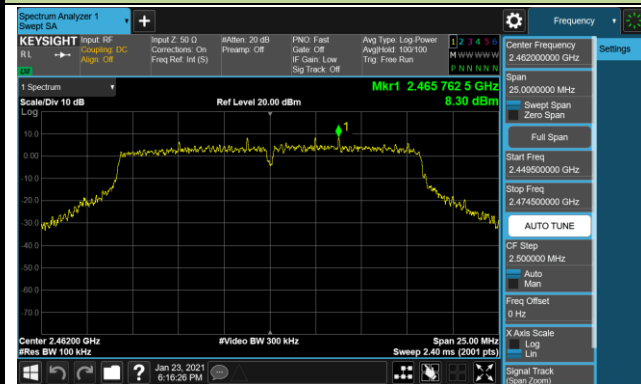
Spurious Emission



802.11g Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 11 (2462MHz)

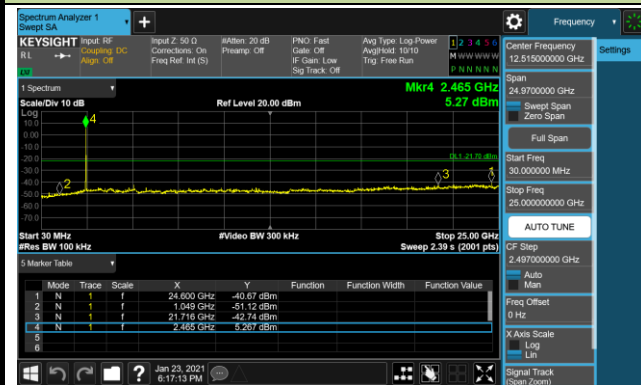
100kHz PSD reference Level



High Band Edge



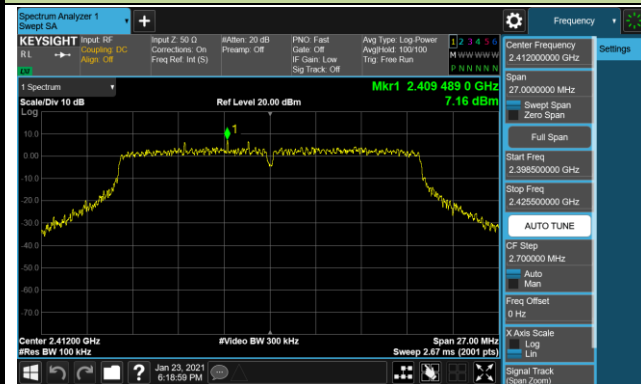
Spurious Emission



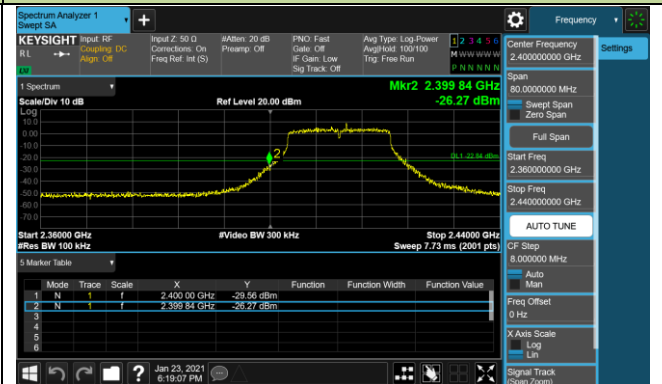
802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 01 (2412MHz)

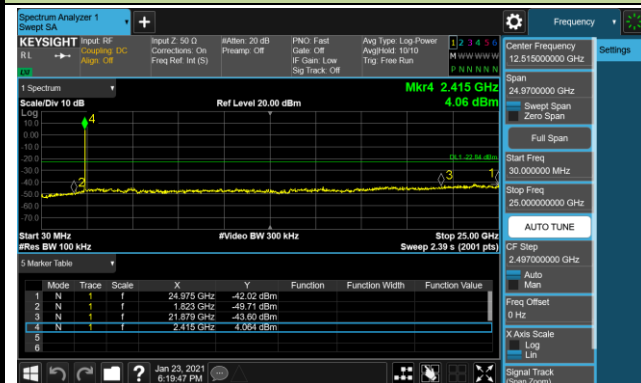
100kHz PSD reference Level



Low Band Edge



Spurious Emission

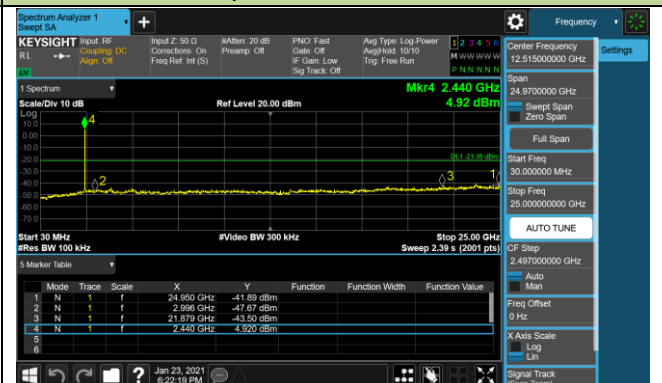


Channel 06 (2437MHz)

100kHz PSD reference Level



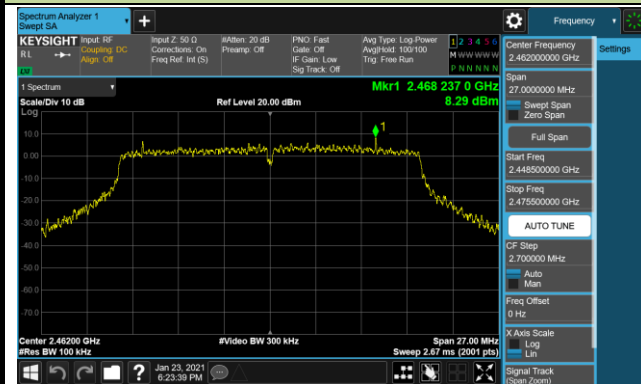
Spurious Emission



802.11 n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 11 (2462MHz)

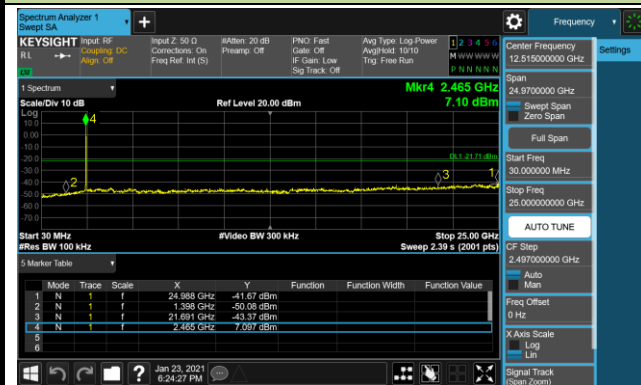
100kHz PSD reference Level



High Band Edge



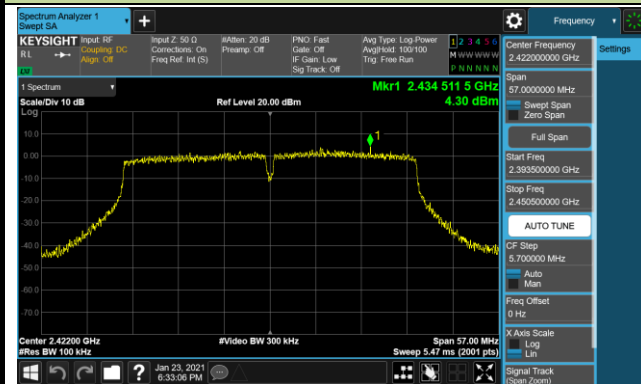
Spurious Emission



802.11n-HT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 03 (2422MHz)

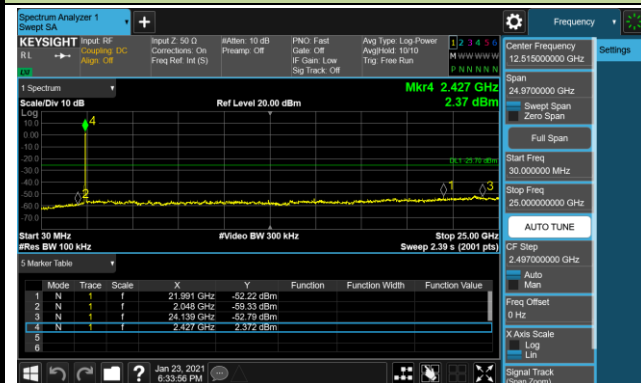
100kHz PSD reference Level



Low Band Edge



Spurious Emission

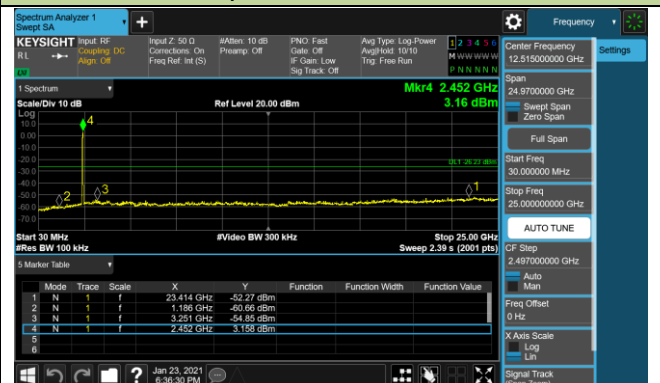


Channel 06 (2437MHz)

100kHz PSD reference Level



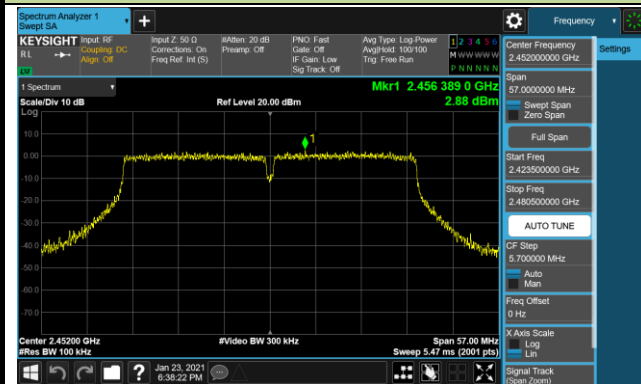
Spurious Emission



802.11 n-HT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 09 (2452MHz)

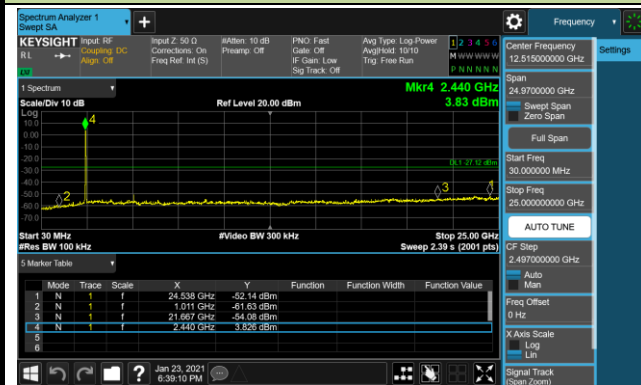
100kHz PSD reference Level



High Band Edge



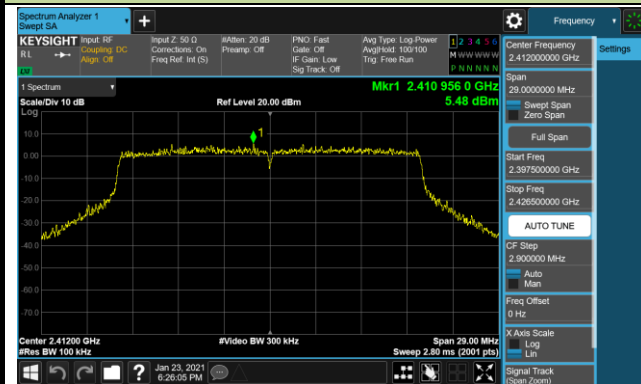
Spurious Emission



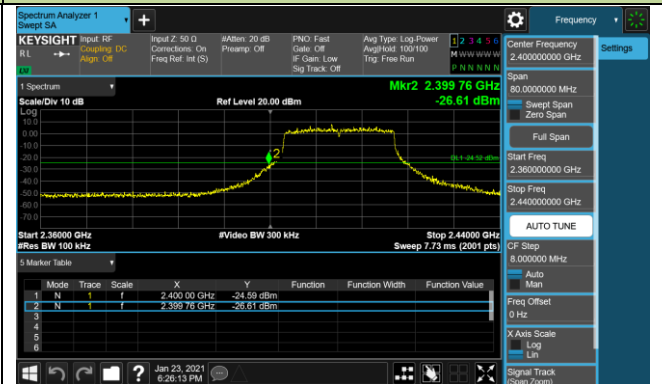
802.11ax-HE20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 01 (2412MHz)

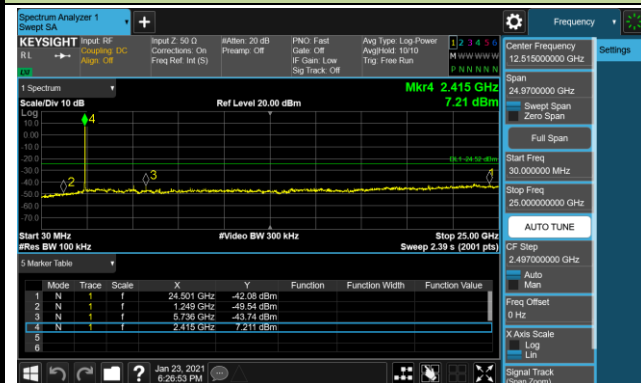
100kHz PSD reference Level



Low Band Edge



Spurious Emission

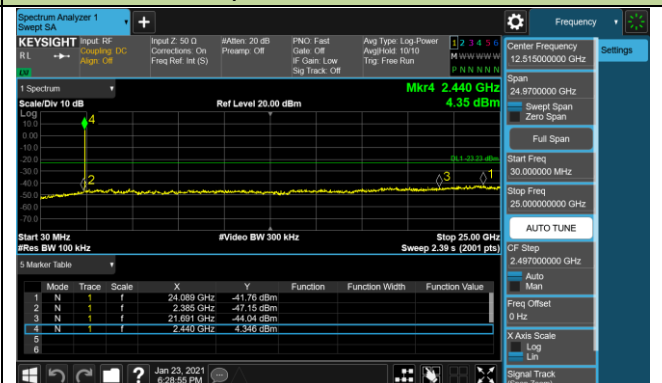


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



802.11 ax-HE20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 11 (2462MHz)

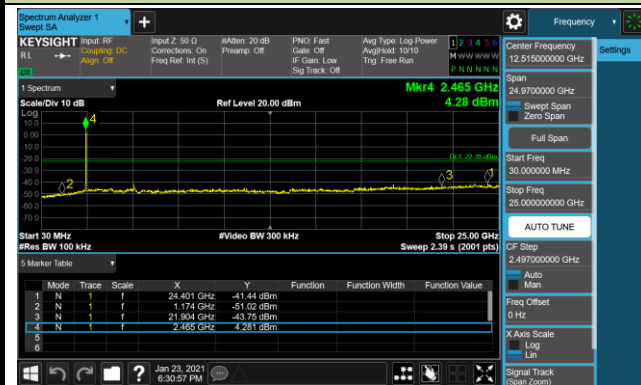
100kHz PSD reference Level



High Band Edge



Spurious Emission



802.11ax-HE40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 03 (2422MHz)

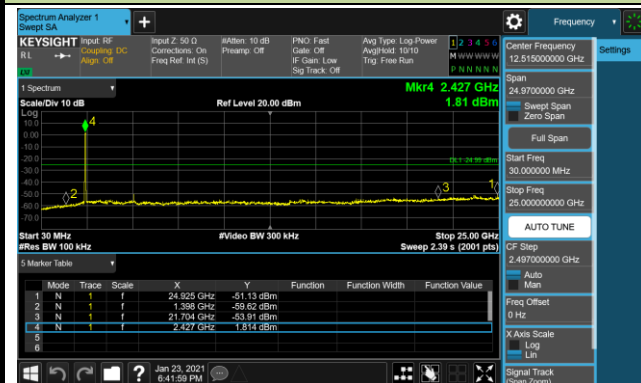
100kHz PSD reference Level



Low Band Edge

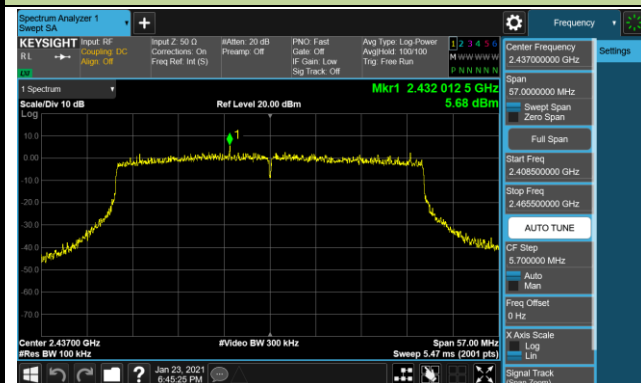


Spurious Emission

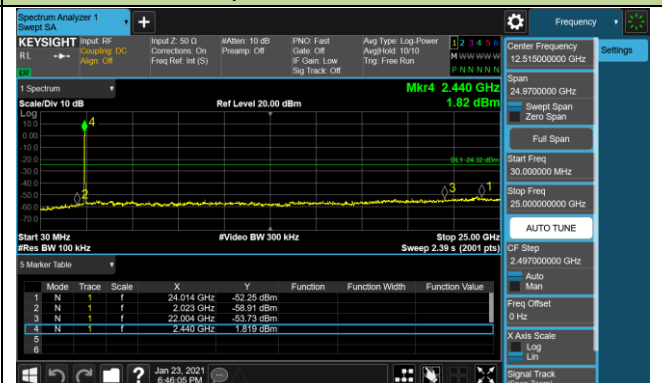


Channel 06 (2437MHz)

100kHz PSD reference Level



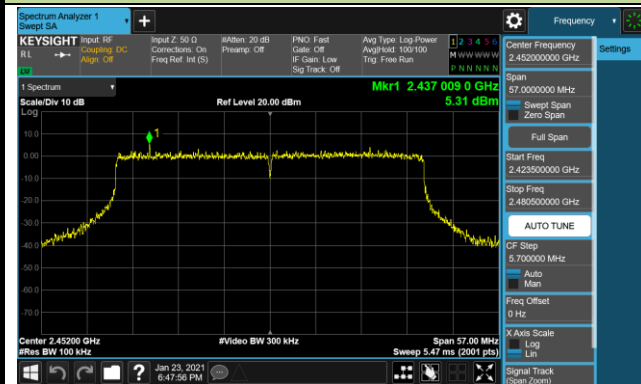
Spurious Emission



802.11ax-HET40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 09 (2452MHz)

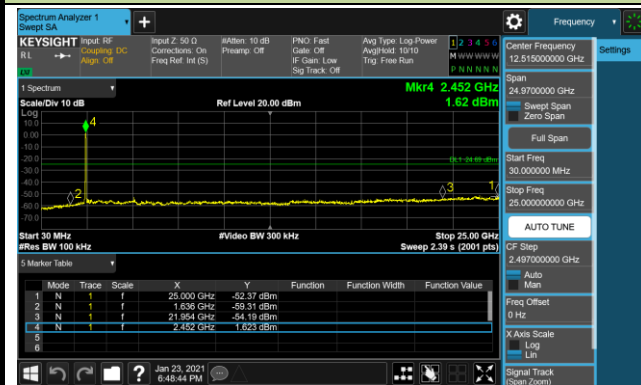
100kHz PSD reference Level



High Band Edge



Spurious Emission



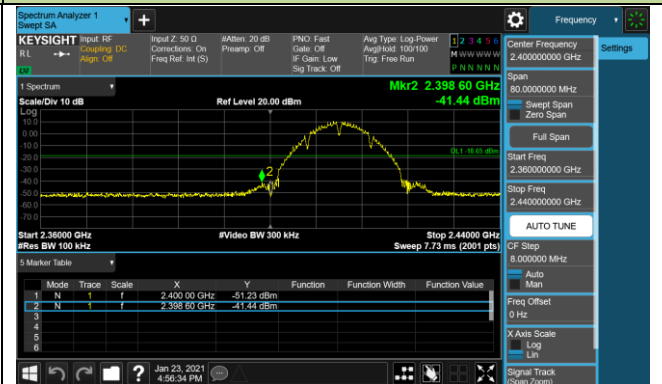
802.11b Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

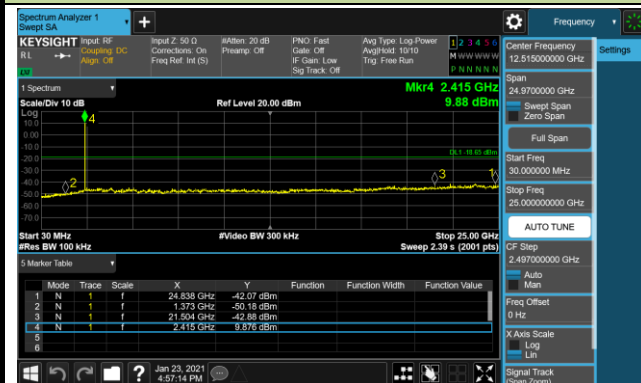
100kHz PSD reference Level



Low Band Edge



Spurious Emission

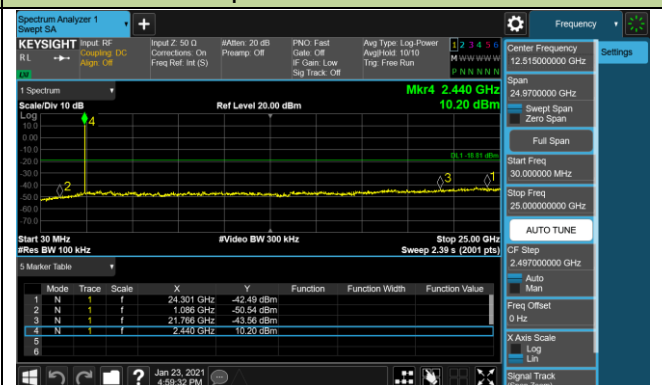


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



802.11b Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 11 (2462MHz)

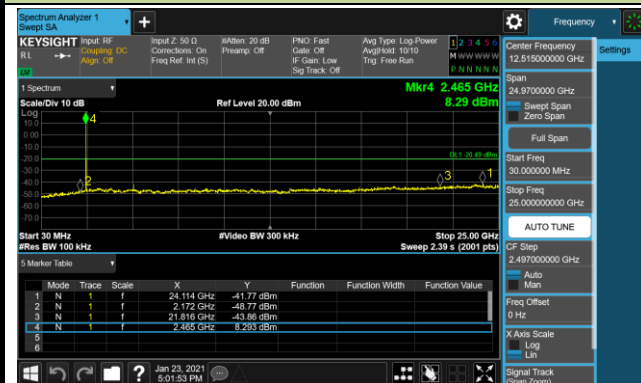
100kHz PSD reference Level



High Band Edge



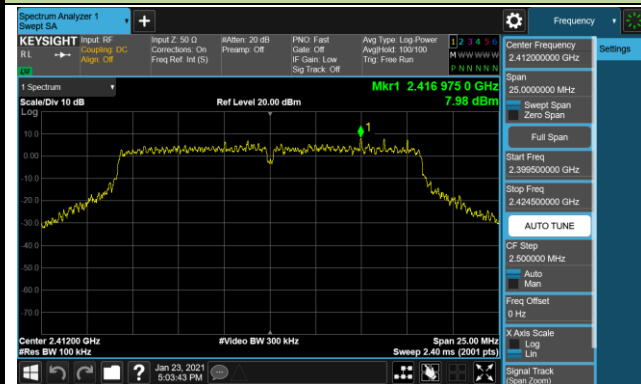
Spurious Emission



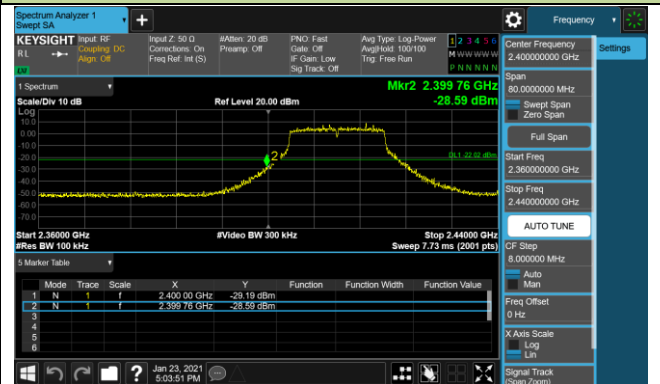
802.11g Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

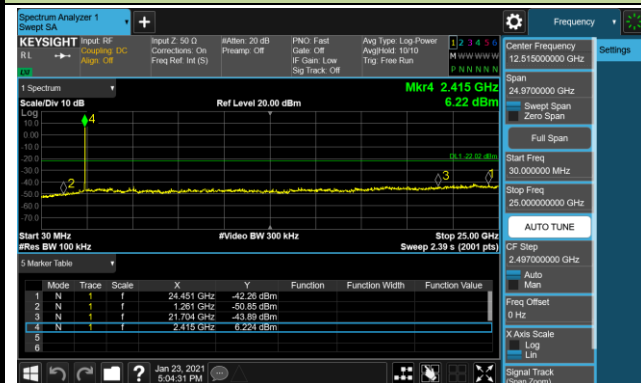
100kHz PSD reference Level



Low Band Edge

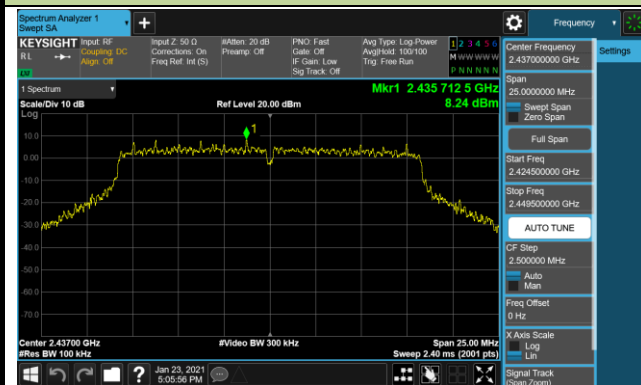


Spurious Emission

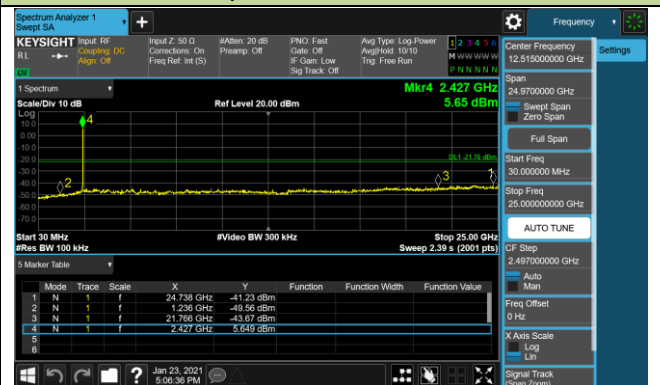


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



802.11g Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 11 (2462MHz)

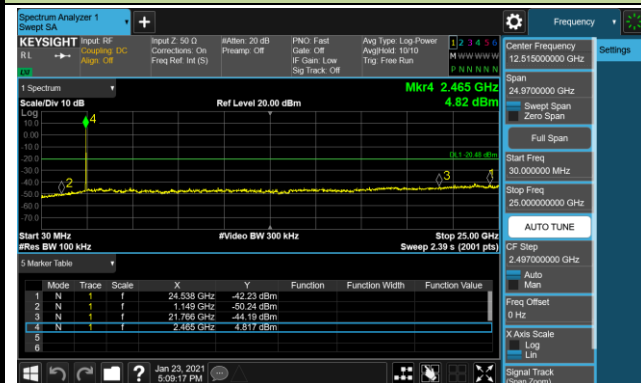
100kHz PSD reference Level



High Band Edge



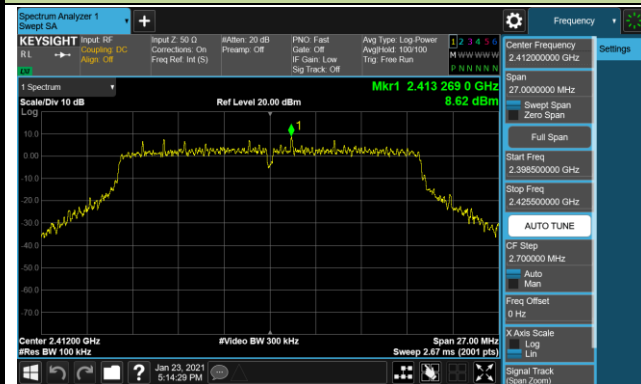
Spurious Emission



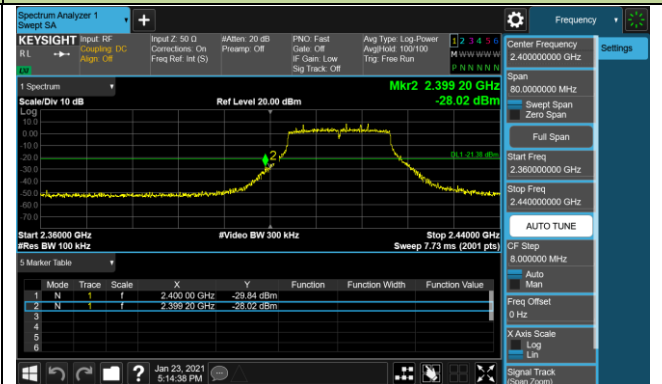
802.11n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

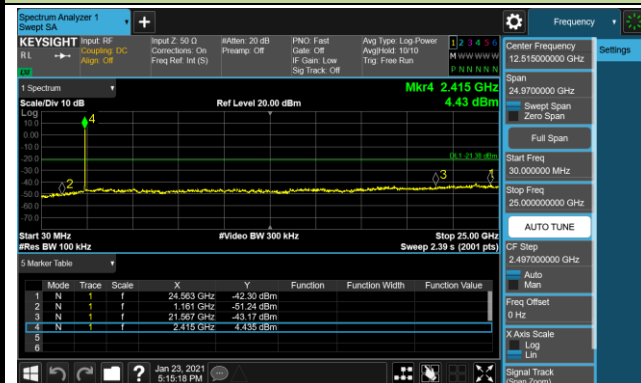
100kHz PSD reference Level



Low Band Edge

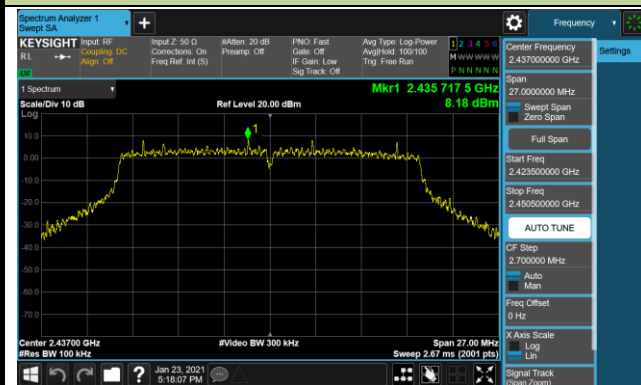


Spurious Emission

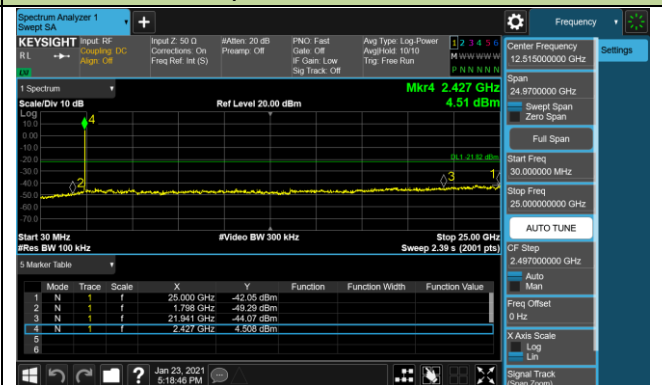


Channel 06 (2437MHz)

100kHz PSD reference Level



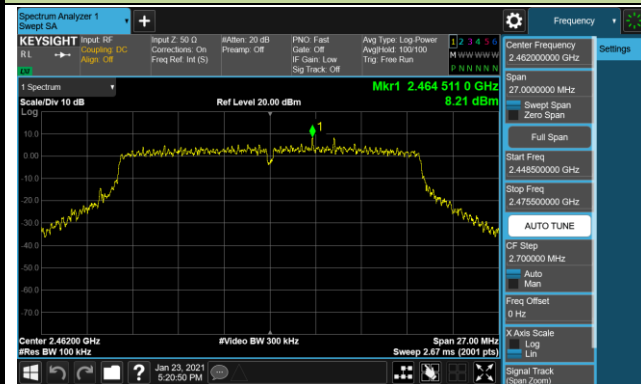
Spurious Emission



802.11 n-HT20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 11 (2462MHz)

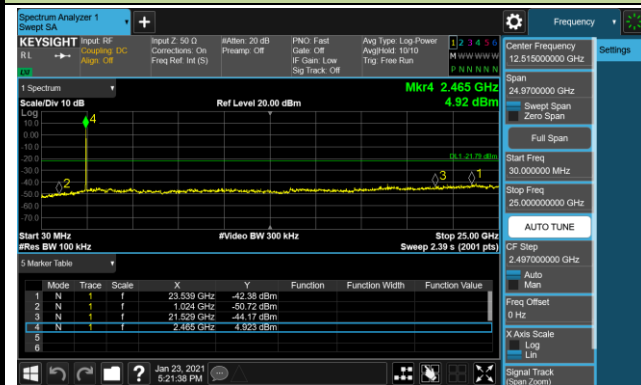
100kHz PSD reference Level



High Band Edge



Spurious Emission



802.11n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 03 (2422MHz)

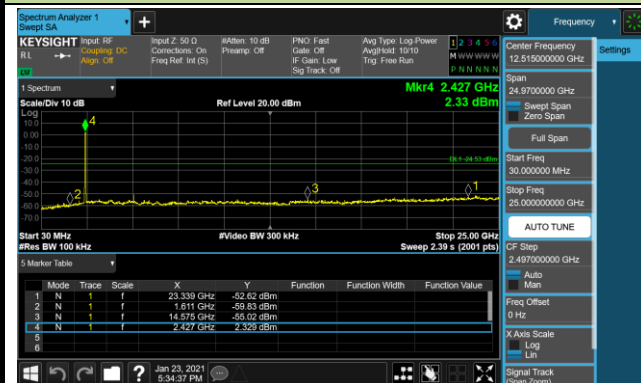
100kHz PSD reference Level



Low Band Edge



Spurious Emission

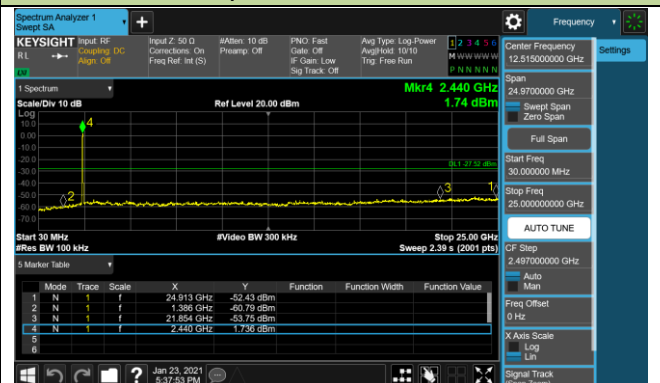


Channel 06 (2437MHz)

100kHz PSD reference Level



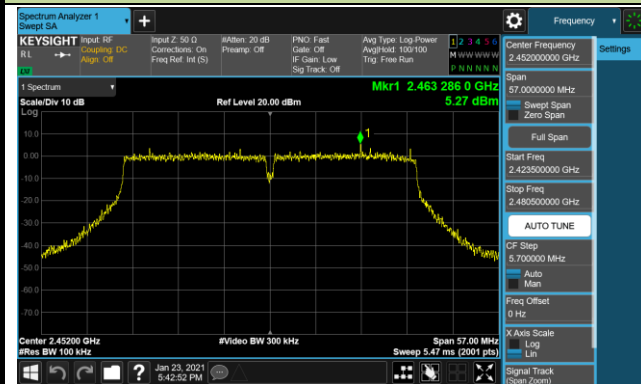
Spurious Emission



802.11 n-HT40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 09 (2452MHz)

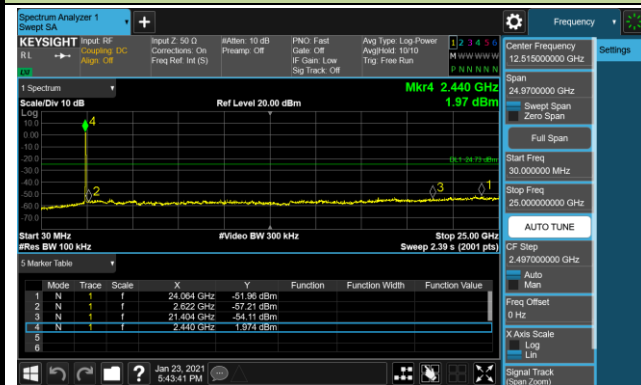
100kHz PSD reference Level



High Band Edge



Spurious Emission



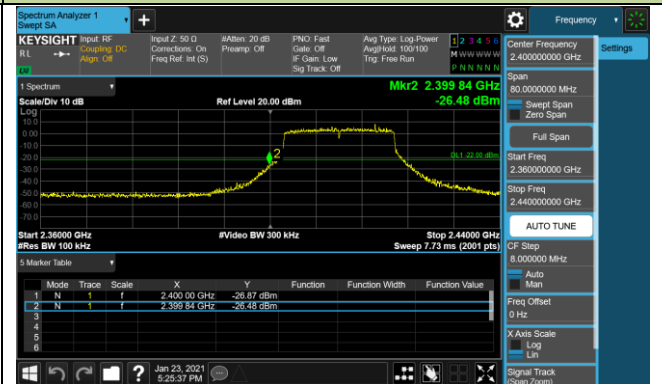
802.11ax-HE20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

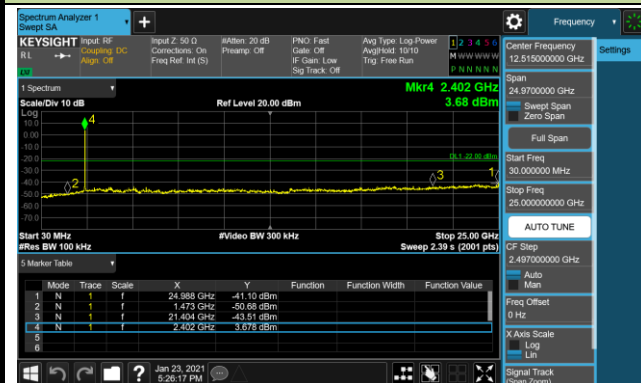
100kHz PSD reference Level



Low Band Edge



Spurious Emission

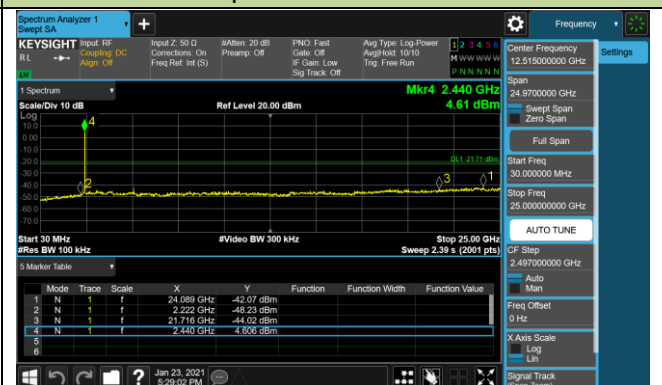


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



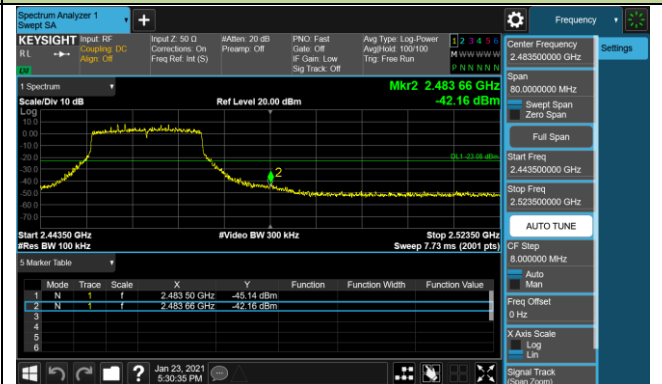
802.11 ax-HE20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 11 (2462MHz)

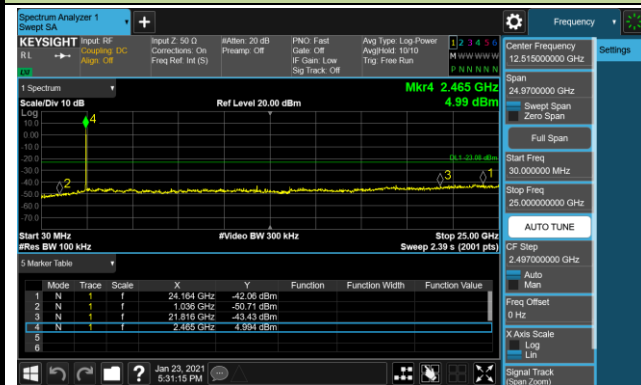
100kHz PSD reference Level



High Band Edge



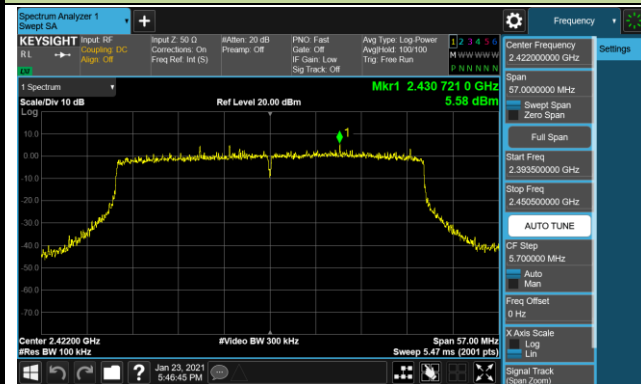
Spurious Emission



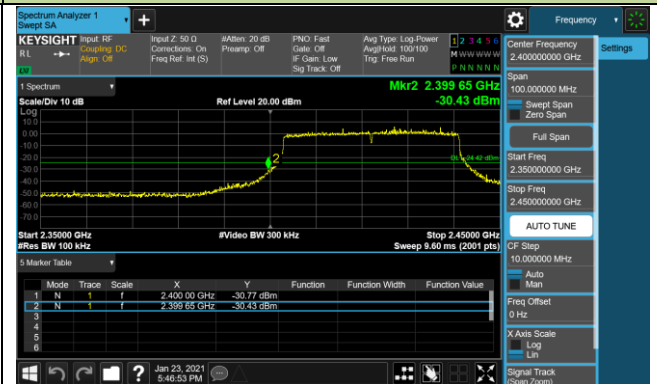
802.11ax-HE40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 03 (2422MHz)

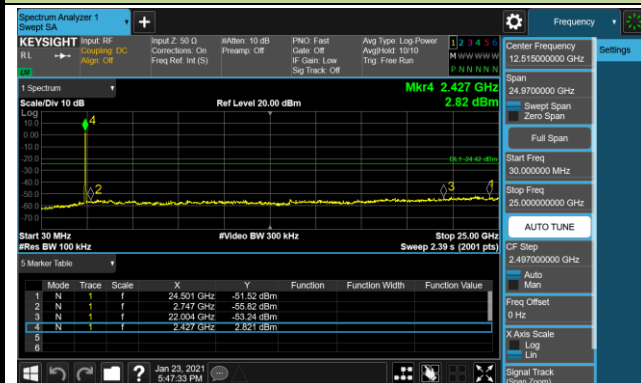
100kHz PSD reference Level



Low Band Edge

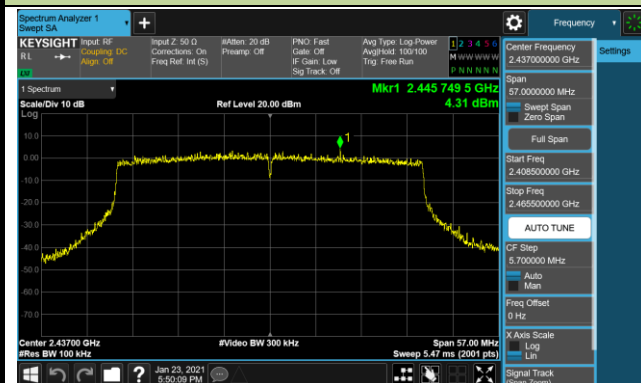


Spurious Emission

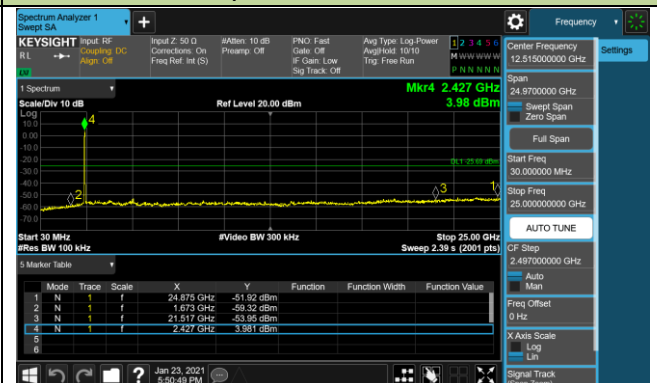


Channel 06 (2437MHz)

100kHz PSD reference Level



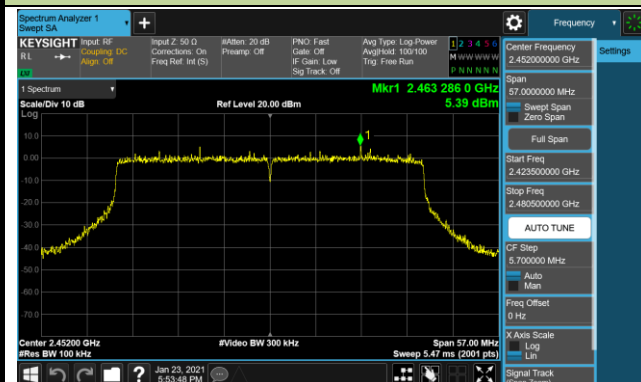
Spurious Emission



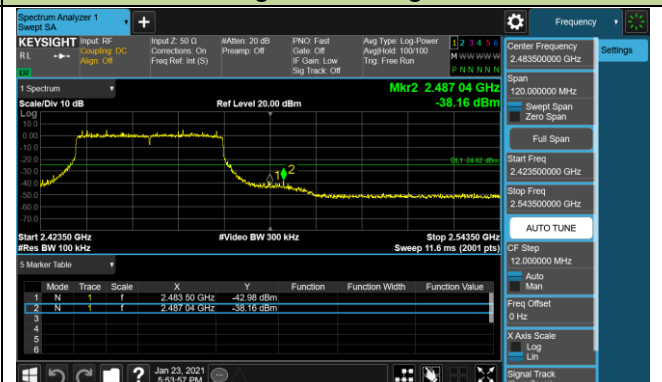
802.11ax-HET40 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 09 (2452MHz)

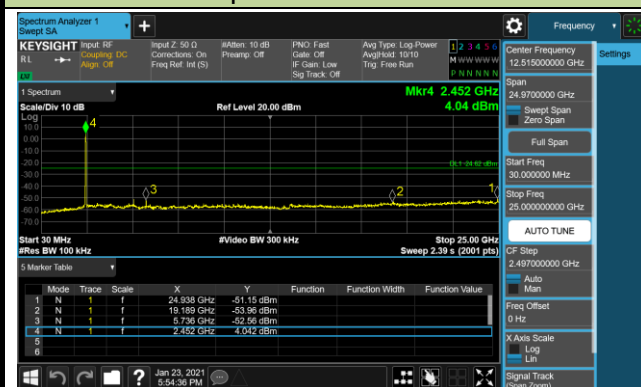
100kHz PSD reference Level



High Band Edge



Spurious Emission



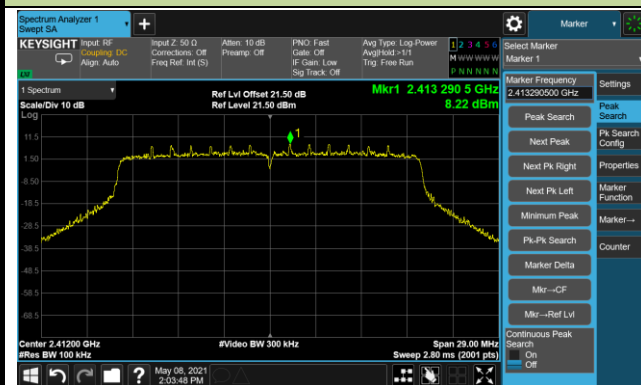
Product	ACCESS POINT	Test Engineer	Eric Lin
Test Site	SR2	Test Date	2021/05/08
Filter Configuration	Filter 2# (Spot Check)		

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.11ax-HE20	MCS0	01	2412	30	Pass

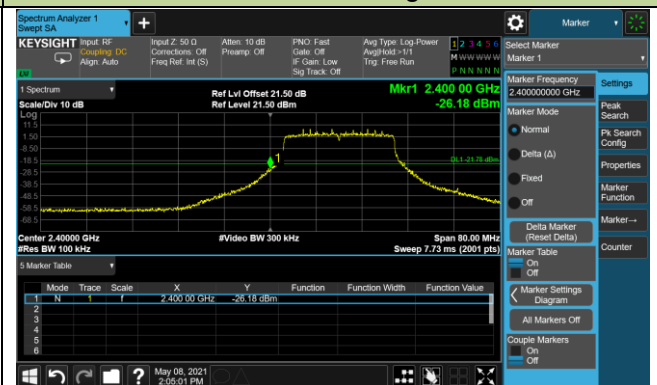
802.11ax-HE20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 01 (2412MHz)

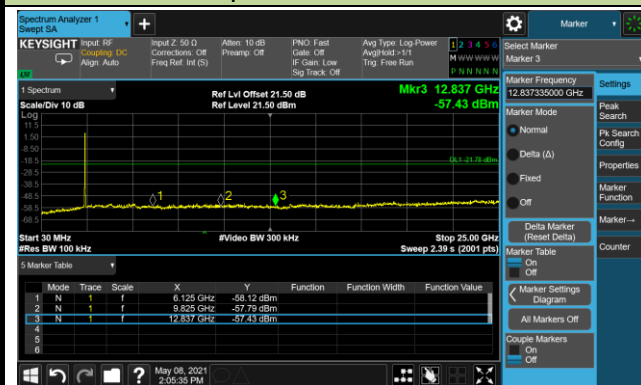
100kHz PSD reference Level



Low Band Edge



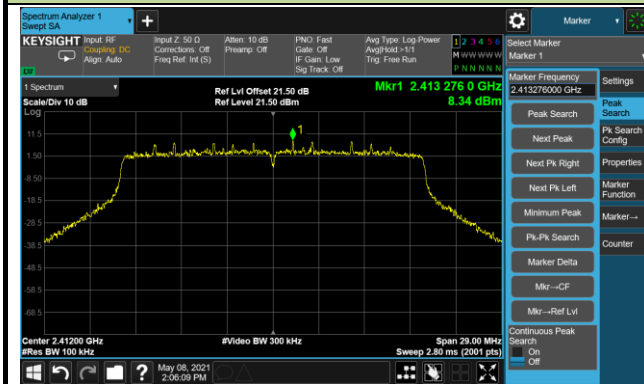
Spurious Emission



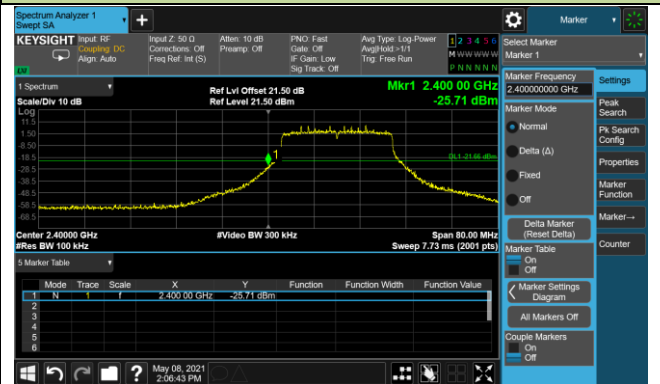
802.11ax-HE20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)

100kHz PSD reference Level



Low Band Edge



Spurious Emission



Product	ACCESS POINT	Test Engineer	Eric Lin
Test Site	SR2	Test Date	2021/05/10
Filter Configuration	Filter 3# (Spot check)		

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
802.11ax-HE20	MCS0	11	2462	30	Pass

802.11ax-HE20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1

Channel 11 (2462MHz)

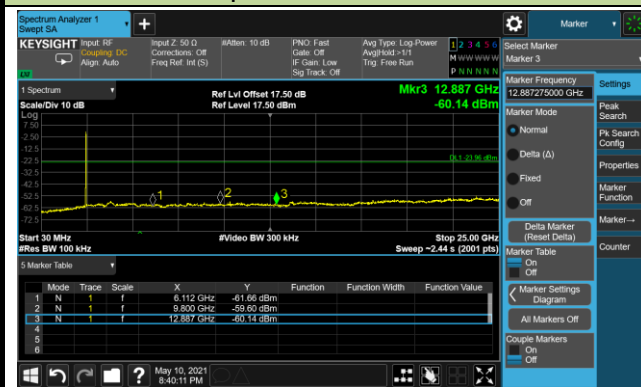
100kHz PSD reference Level



Low Band Edge



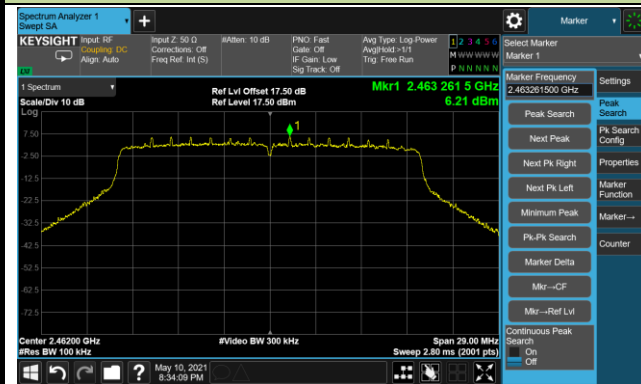
Spurious Emission



802.11ax-HE20 Out-of-Band Emissions - Ant 1 / Ant 0 + 1

Channel 11 (2462MHz)

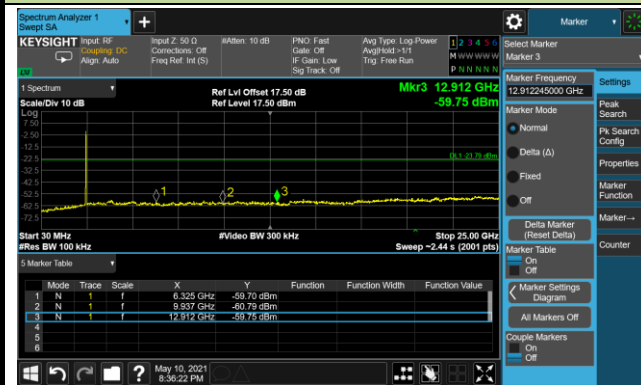
100kHz PSD reference Level



Low Band Edge



Spurious Emission



5.6. 開放頻帶邊緣之不必要幅射要求

5.6.1. 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 4.10.1.5 節，使用頻帶範圍外之任意 100 千赫 (kHz) 內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz) 內的射頻功率，衰減值限制如下：

(1) 輸出功率以低功率射頻器材技術規範附件二之峰值輸出功率方式量測者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。

(2) 輸出功率以低功率射頻器材技術規範 4.10.1(2)(2.3) 之最大傳導輸出功率量測方式者，至少須衰減 30 dB。

此外，落於第 3.5 節禁用頻段之輻射發射，應符合第 3.6 節之規定(限制要求如下)：

發射依據國家通訊傳播委員會低功率射頻器材技術規範之第 3.6 節，低功率射頻器材，除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

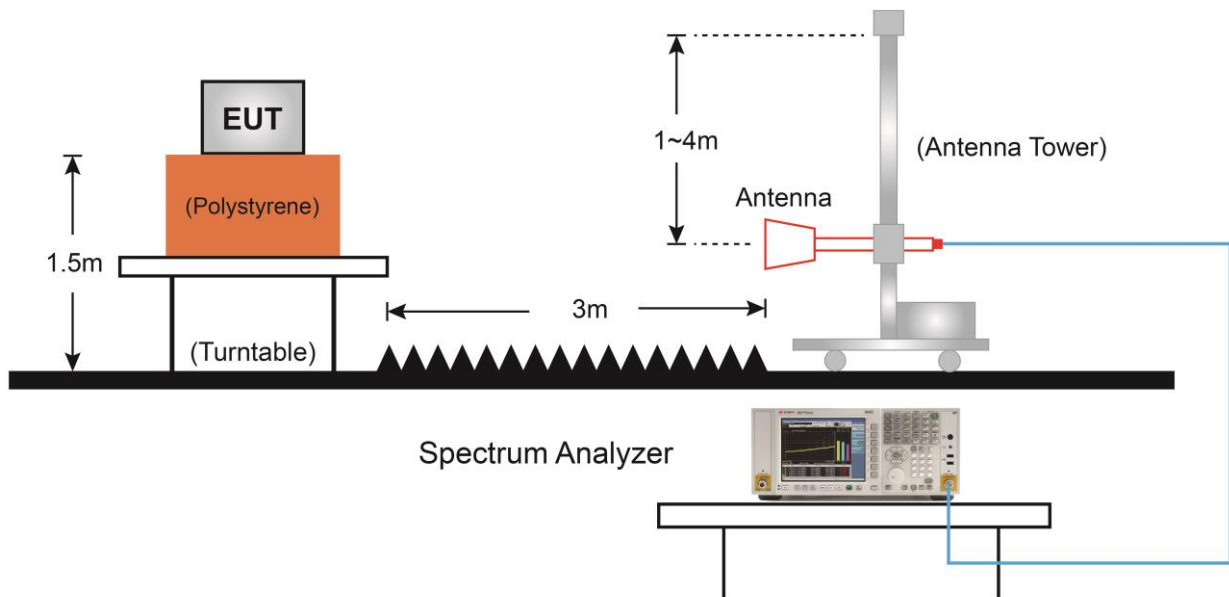
頻率(f) (MHz)	電場強度 (微伏特/公尺, $\mu\text{V/m}$)	測距 (公尺)
$0.009 \leq f \leq 0.490$	$2400/f(\text{kHz})$	300
$0.490 < f \leq 1.705$	$24000/f(\text{kHz})$	30
$1.705 < f < 30$	30	30
$30 \leq f \leq 88$	100	3
$88 < f \leq 216$	150	3
$216 < f \leq 960$	200	3
$960 < f$	500	3

上表規定之電場強度，發射頻率在 9 kHz~90 kHz、110 kHz~490 kHz 及 1000MHz 以上者，其量測應以平均值檢波器為基準，且須符合低功率射頻器材技術規範第 6.14.節之規定；其他發射頻率，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時，應符合第 6.5 節之規定，而輻射發射之量測頻率範圍須符合低功率射頻器材技術規範第 6.12 節之規定。

5.6.2. 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），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。

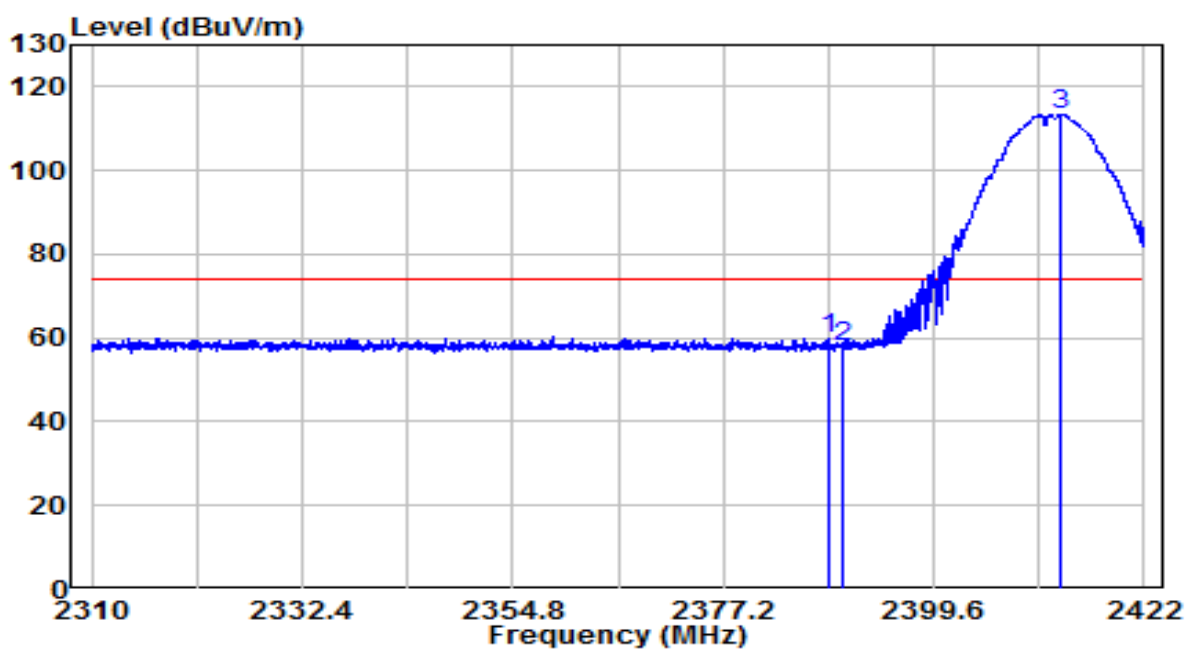
5.6.3. 測試架構圖



備 註: 使用頻率範圍外之任意 100 千赫雜訊, 使用輻射方式測量, 6 dB 頻寬使用 1MHz 遠大於 100kHz 仍可 PASS, 檢附其測試數據。

5.6.4. 測試結果

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

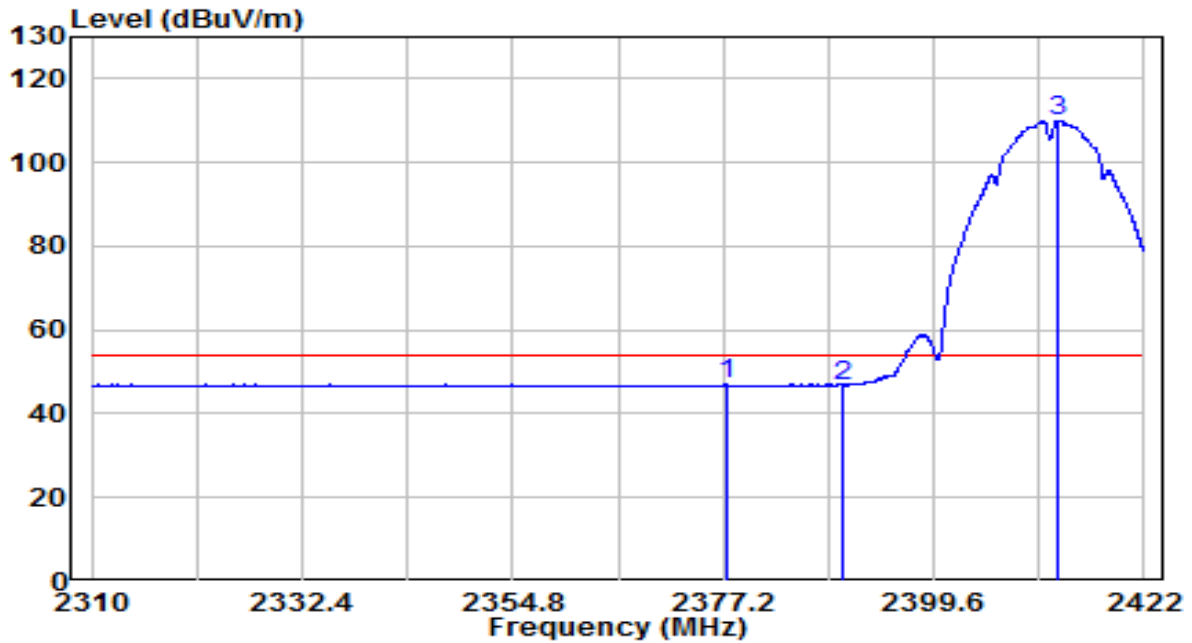


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2388.344	27.41	32.29	59.70	-14.30	74.00	PK
2		2390.000	25.81	32.30	58.11	-15.89	74.00	PK
3		2413.152	80.98	32.40	113.38	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

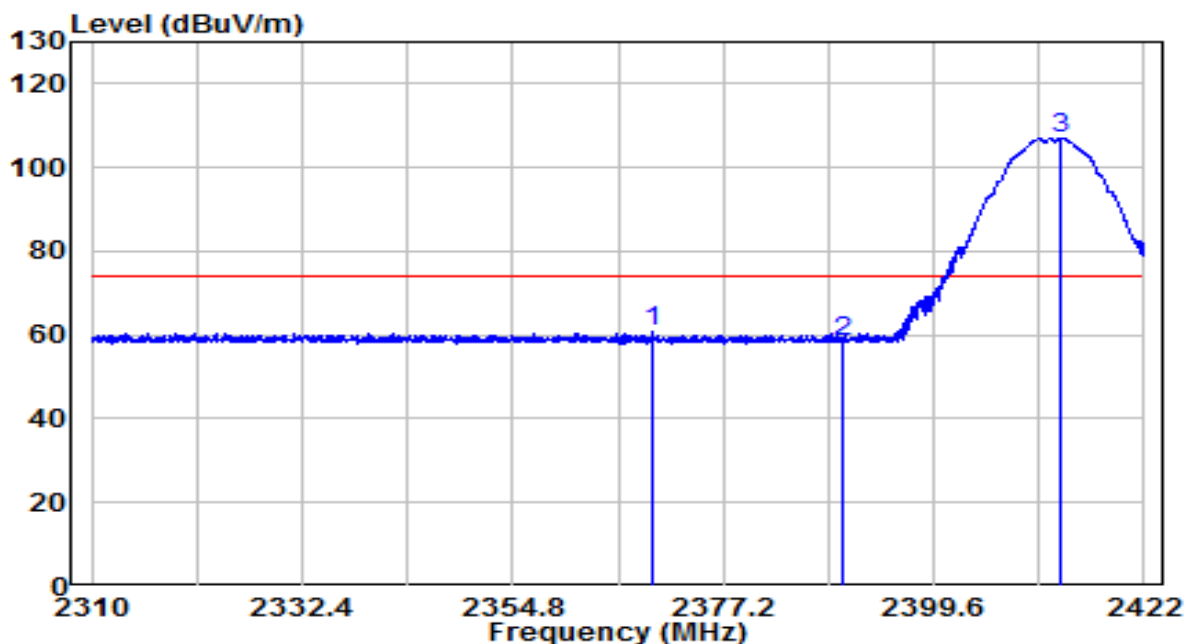


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2377.480	14.84	32.24	47.08	-6.92	54.00	AV
2		2390.000	14.45	32.30	46.75	-7.25	54.00	AV
3		2412.760	77.65	32.40	110.04	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

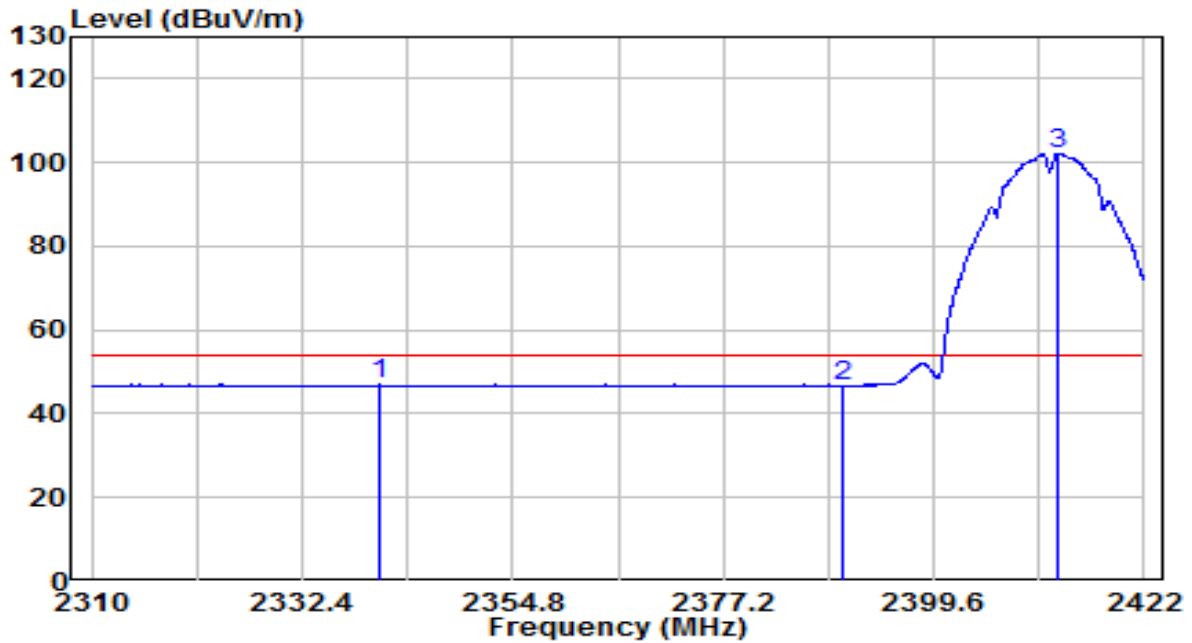


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2369.640	28.78	32.21	60.99	-13.01	74.00	PK
2		2390.000	26.30	32.30	58.60	-15.40	74.00	PK
3		2413.208	74.78	32.40	107.18	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

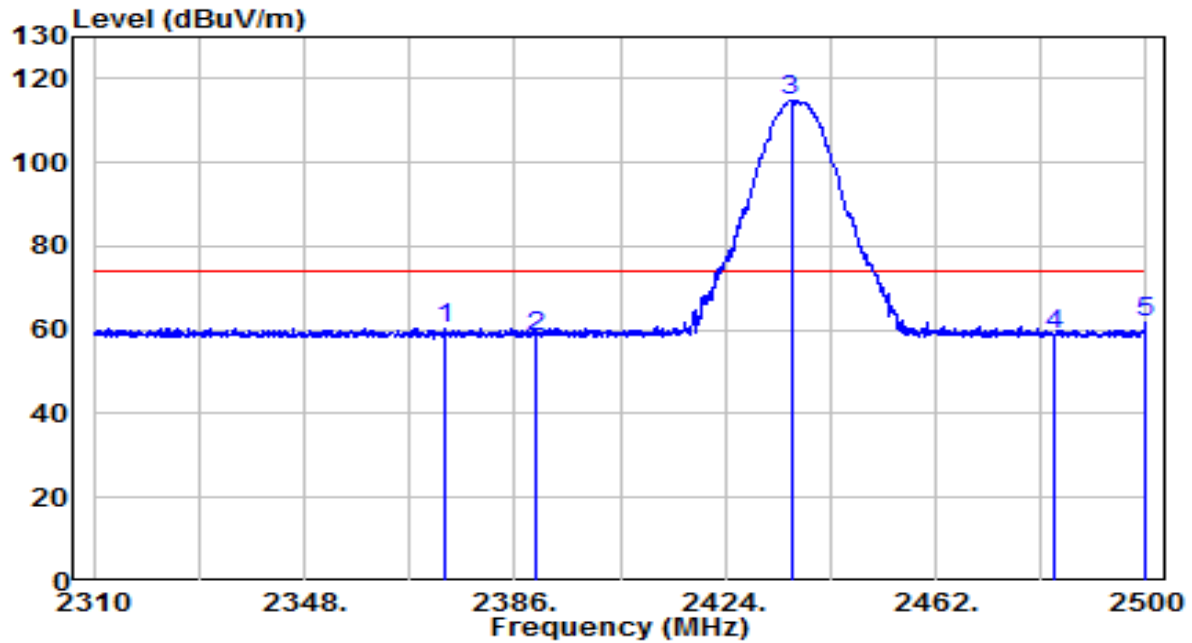


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2340.632	14.80	32.08	46.88	-7.12	54.00	AV
2		2390.000	14.37	32.30	46.67	-7.33	54.00	AV
3		2412.816	69.89	32.40	102.28	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	110V/60Hz

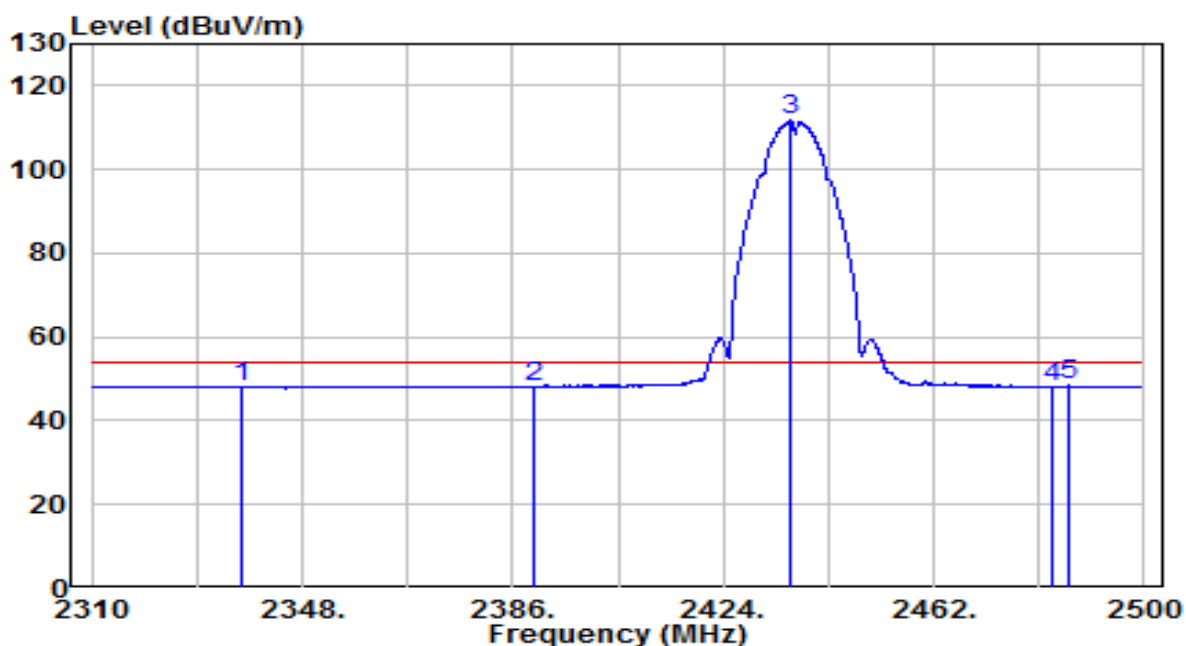


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2373.175	28.32	32.22	60.54	-13.46	74.00	PK
2	2390.000	26.25	32.30	58.55	-15.45	74.00	PK
3	2435.875	82.36	32.50	114.86	N/A	N/A	PK
4	2483.500	25.93	32.71	58.64	-15.36	74.00	PK
5	* 2499.905	28.85	32.78	61.63	-12.37	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	110V/60Hz

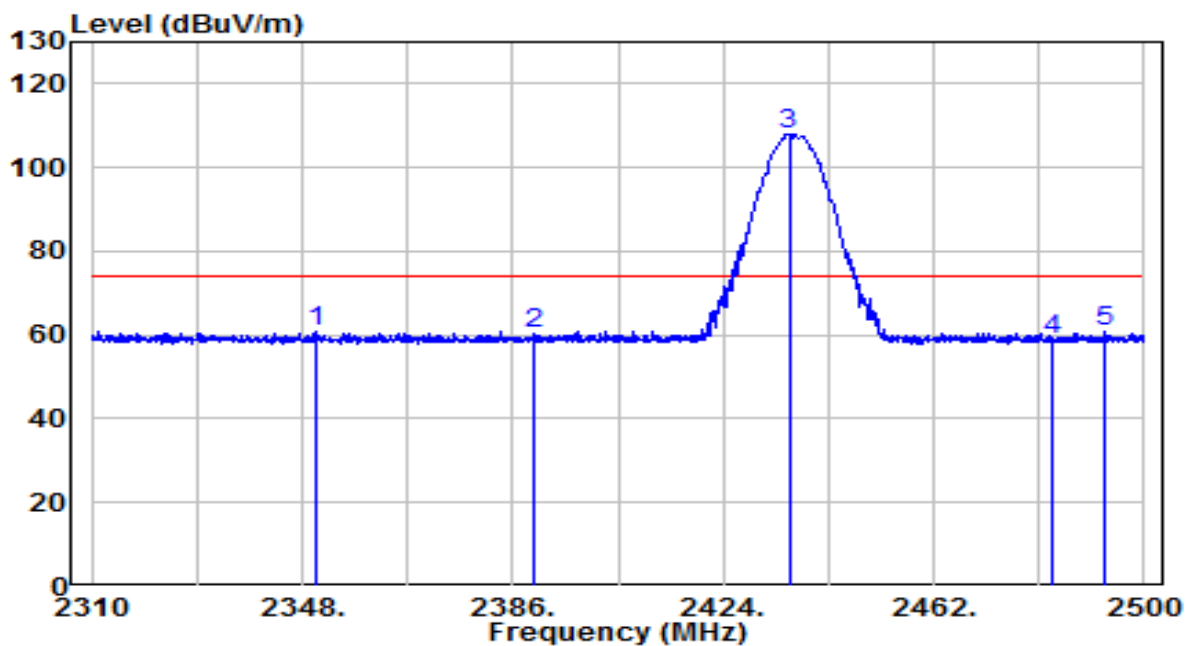


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2336.980	16.24	32.06	48.30	-5.70	54.00	AV
2	2390.000	15.75	32.30	48.04	-5.96	54.00	AV
3	2436.160	79.17	32.50	111.67	N/A	N/A	AV
4	2483.500	15.57	32.71	48.28	-5.72	54.00	AV
5	* 2486.415	15.65	32.72	48.37	-5.63	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	110V/60Hz

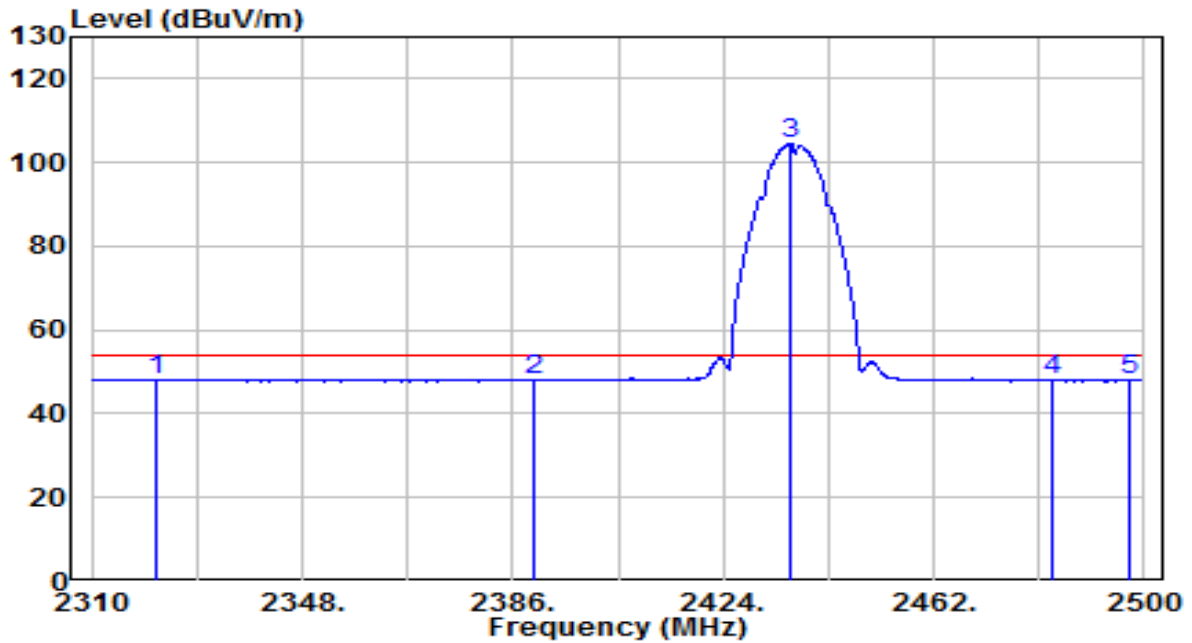


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2350.280	28.59	32.12	60.71	-13.29	74.00	PK
2	2390.000	28.07	32.30	60.37	-13.63	74.00	PK
3	2435.875	75.51	32.50	108.01	N/A	N/A	PK
4	2483.500	26.24	32.71	58.95	-15.05	74.00	PK
5	* 2492.780	28.08	32.75	60.83	-13.17	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2437MHz	Test Voltage	110V/60Hz

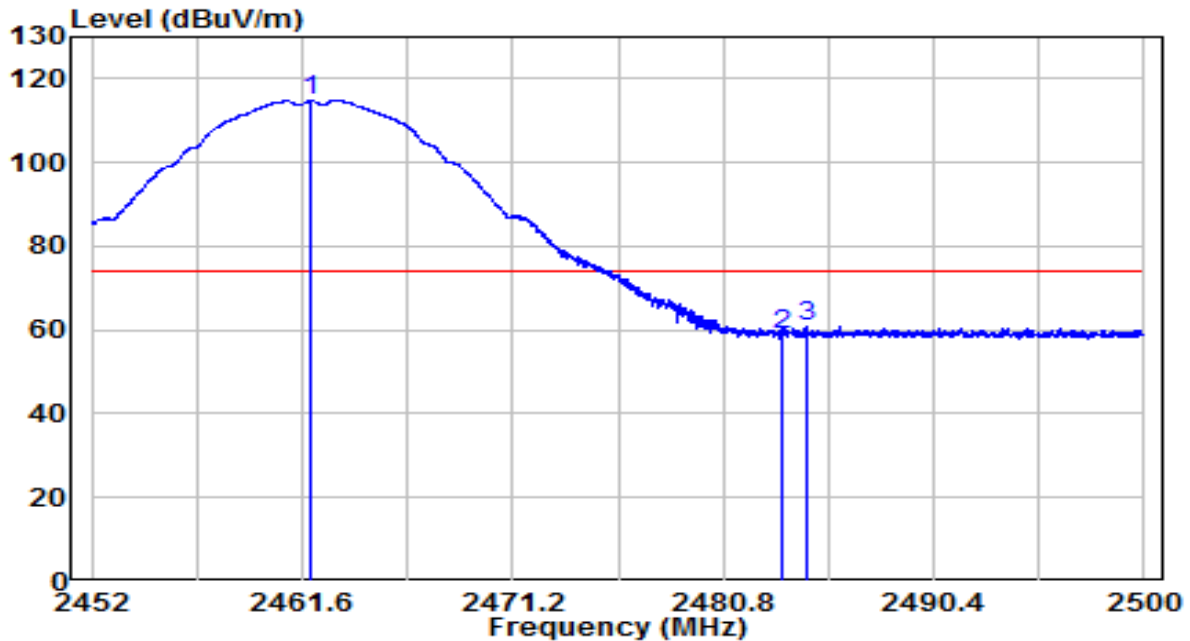


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2321.875	16.31	32.00	48.30	-5.70	54.00	AV
2		2390.000	15.74	32.30	48.03	-5.97	54.00	AV
3		2435.970	72.14	32.50	104.63	N/A	N/A	AV
4		2483.500	15.31	32.71	48.01	-5.99	54.00	AV
5		2497.340	15.14	32.77	47.91	-6.09	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

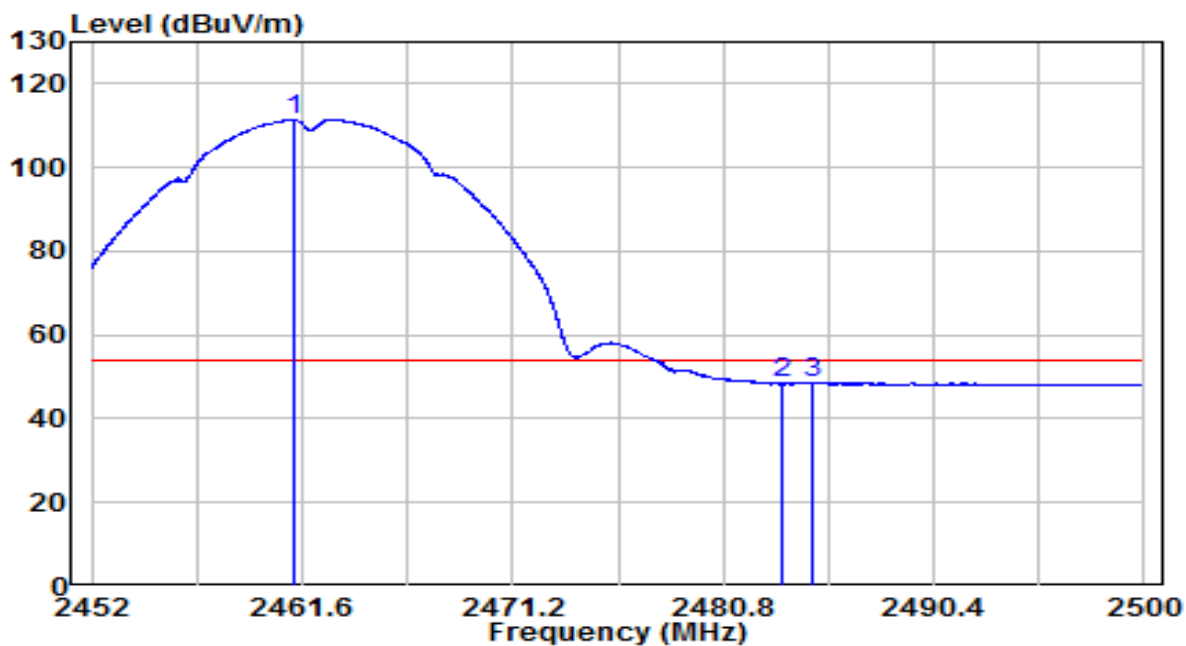


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2462.008	82.11	32.61	114.73	N/A	N/A	PK
2	2483.500	26.32	32.71	59.03	-14.97	74.00	PK
3	* 2484.640	28.09	32.71	60.80	-13.20	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

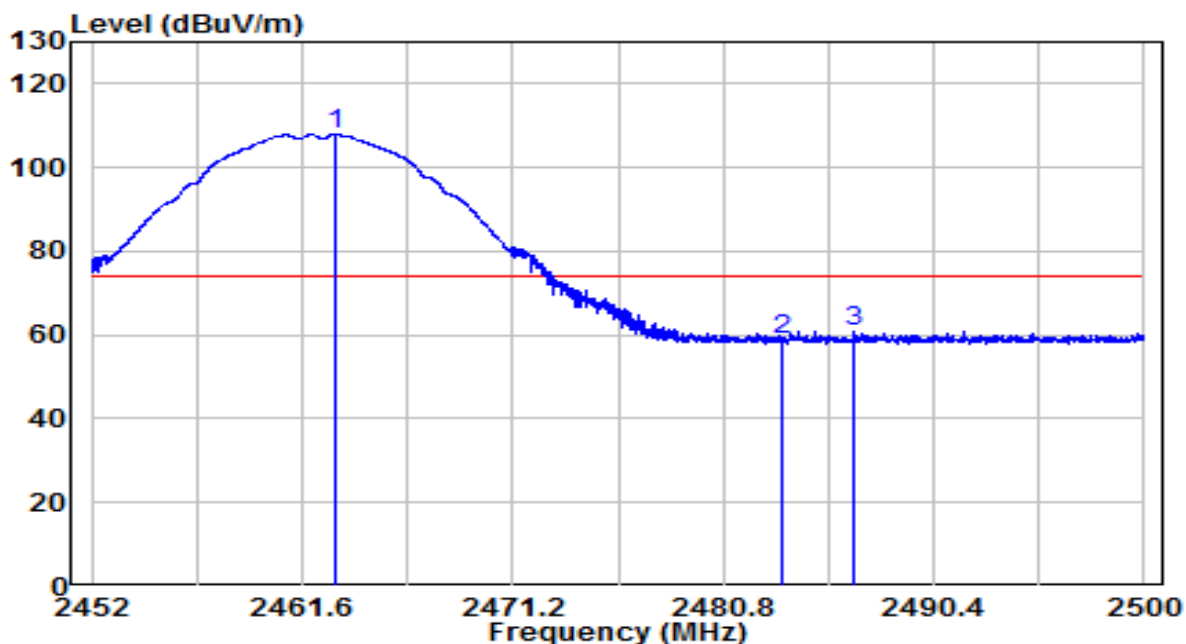


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2461.216	78.95	32.61	111.56	N/A	N/A	AV
2	2483.500	15.64	32.71	48.34	-5.66	54.00	AV
3	* 2484.880	15.98	32.71	48.70	-5.30	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

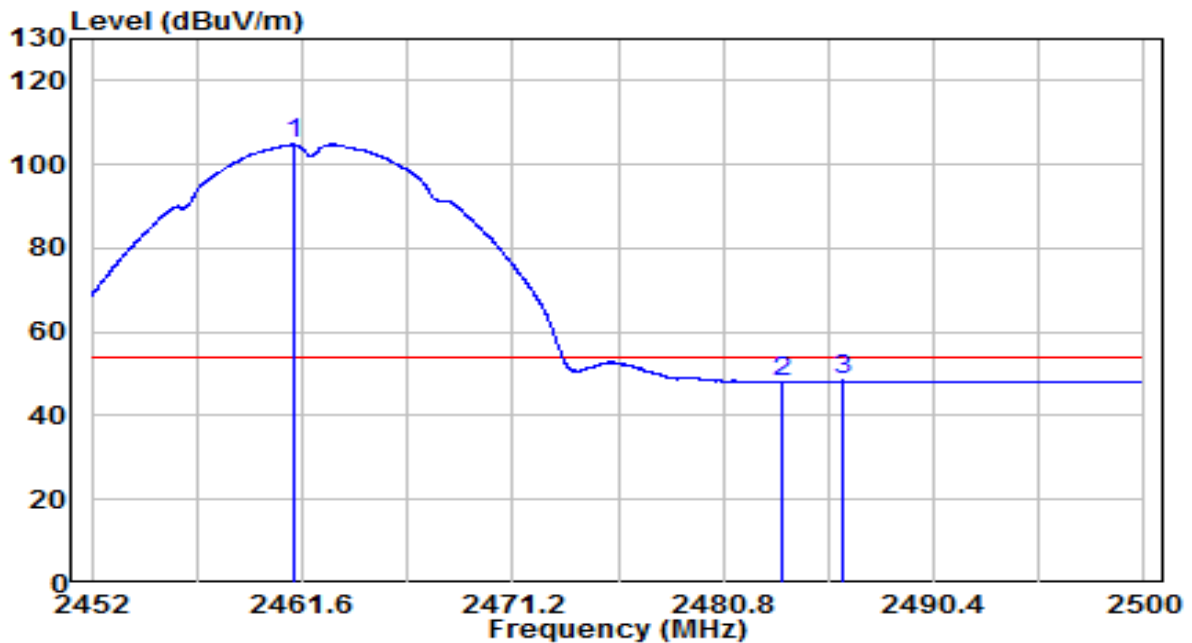


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2463.088	75.24	32.62	107.86	N/A	N/A	PK
2	2483.500	26.17	32.71	58.88	-15.12	74.00	PK
3	* 2486.800	28.05	32.72	60.77	-13.23	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2462MHz	Test Voltage	110V/60Hz

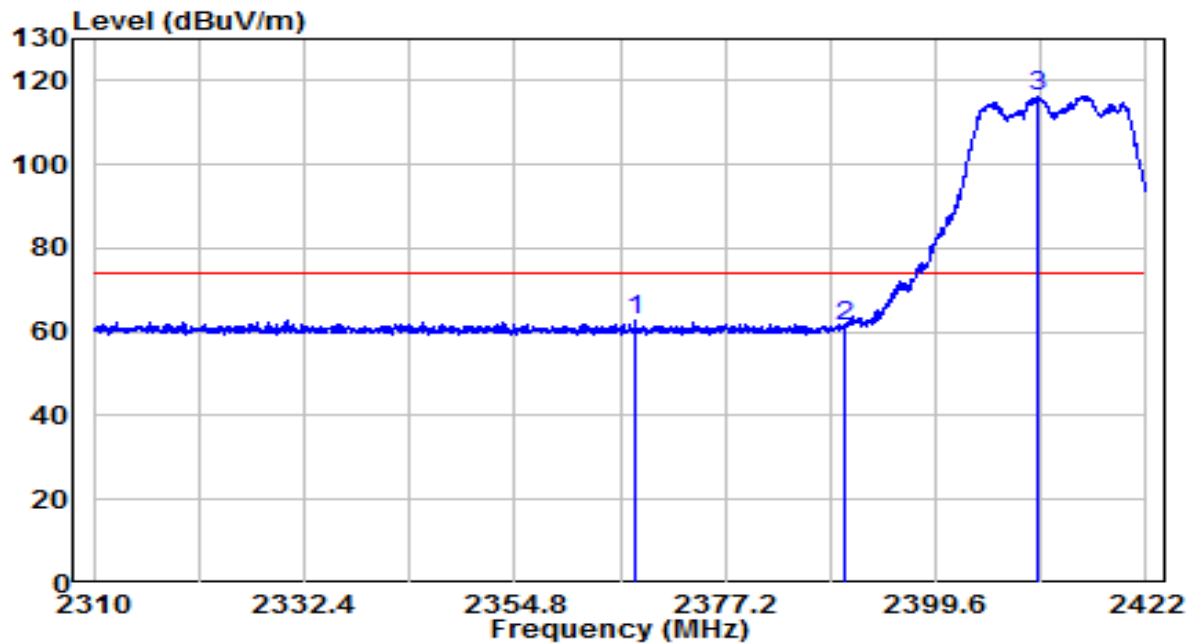


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2461.240	72.20	32.61	104.81	N/A	N/A	AV
2	2483.500	15.35	32.71	48.06	-5.94	54.00	AV
3	* 2486.224	15.61	32.72	48.33	-5.67	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

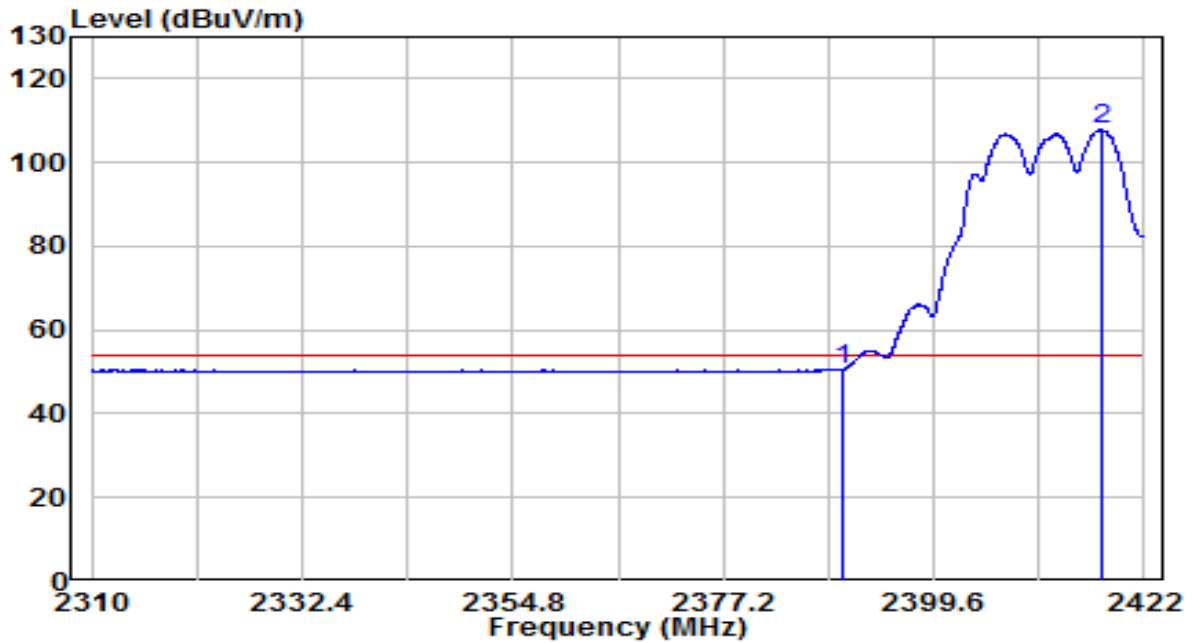


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2367.680	30.66	32.20	62.86	-11.14	74.00	PK
2		2390.000	29.07	32.30	61.37	-12.63	74.00	PK
3		2410.520	84.12	32.39	116.51	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

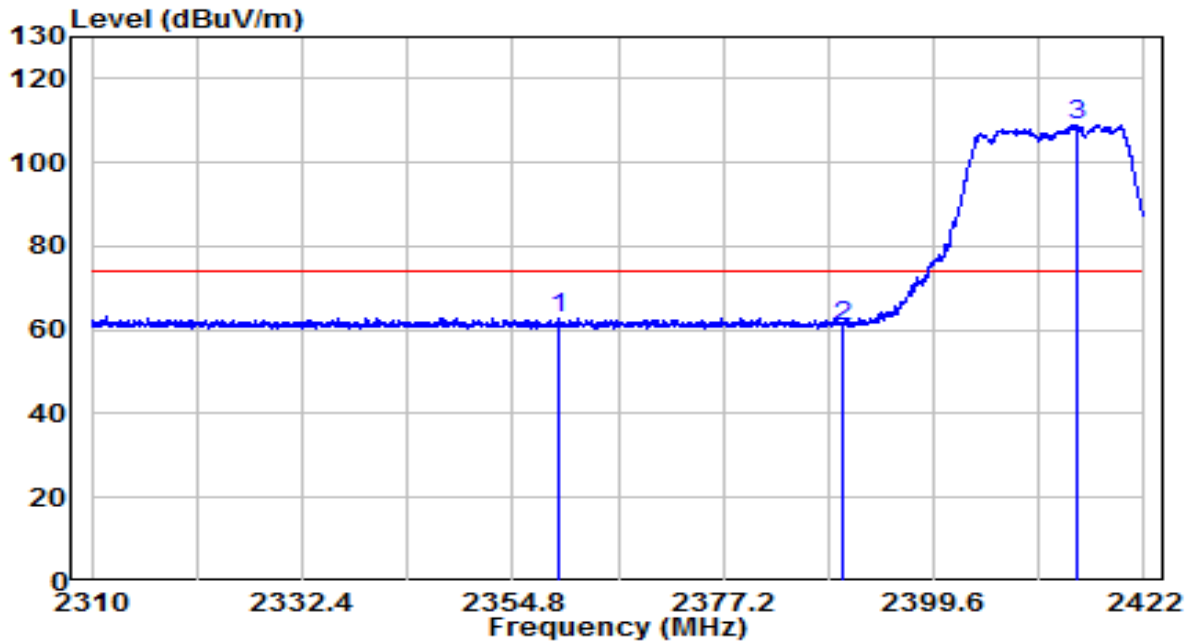


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	18.46	32.30	50.76	-3.24	54.00	AV
2		2417.520	75.34	32.42	107.76	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

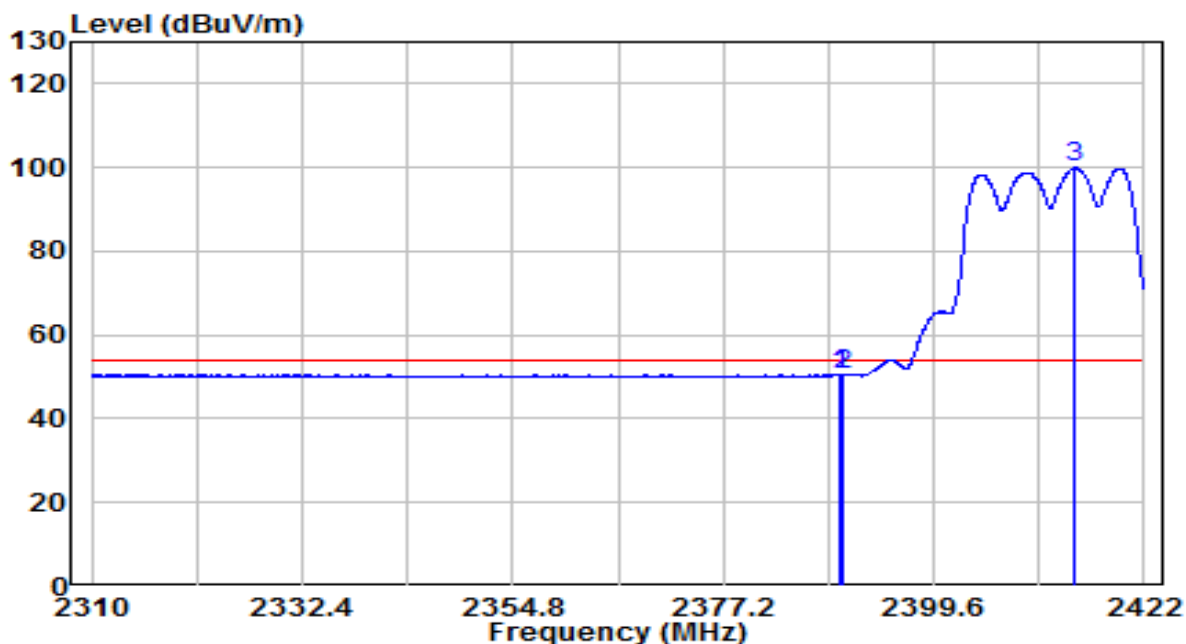


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2359.616	30.79	32.16	62.95	-11.05	74.00	PK
2		2390.000	28.76	32.30	61.05	-12.95	74.00	PK
3		2414.720	76.70	32.40	109.11	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2412MHz	Test Voltage	110V/60Hz

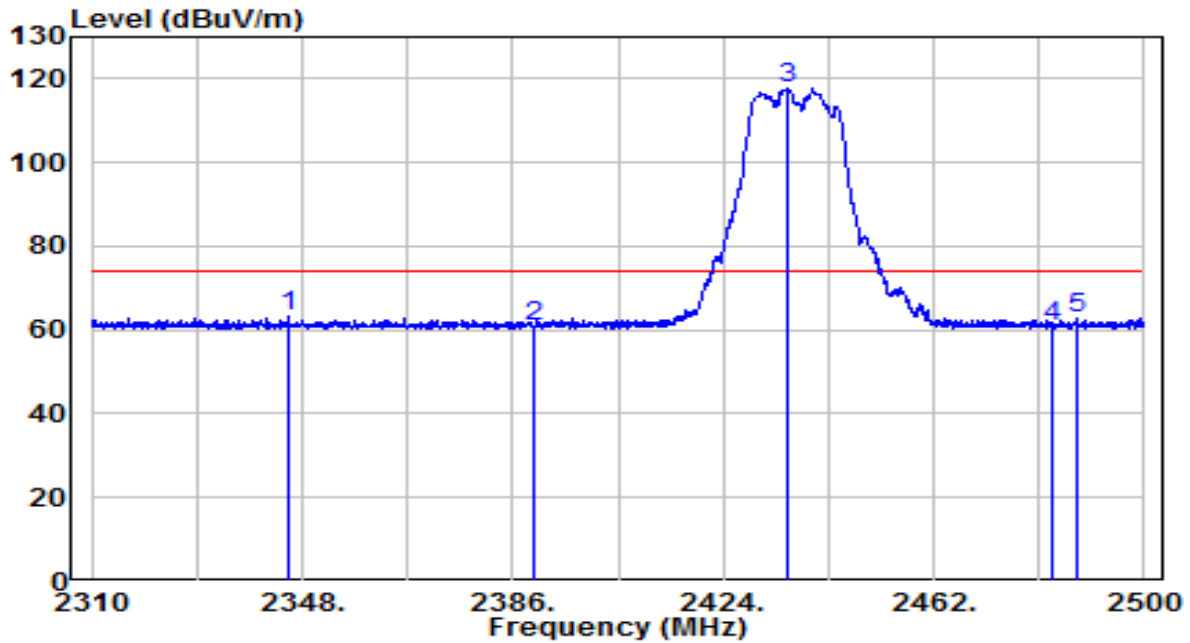


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2389.744	18.37	32.29	50.66	-3.34	54.00	AV
2		2390.000	18.32	32.30	50.62	-3.38	54.00	AV
3		2414.664	67.51	32.40	99.92	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2437MHz	Test Voltage	110V/60Hz

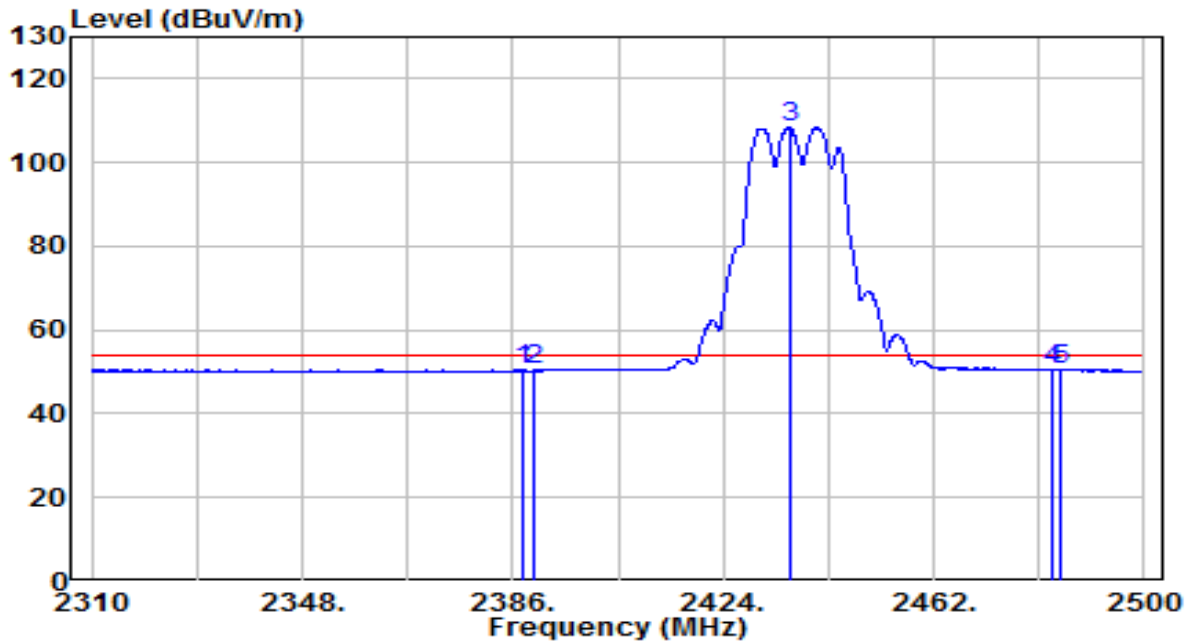


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2345.435	31.21	32.10	63.31	-10.69	74.00	PK
2		2390.000	28.74	32.30	61.03	-12.97	74.00	PK
3		2435.685	85.19	32.50	117.69	N/A	N/A	PK
4		2483.500	28.09	32.71	60.80	-13.20	74.00	PK
5		2487.745	30.26	32.73	62.98	-11.02	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2437MHz	Test Voltage	110V/60Hz

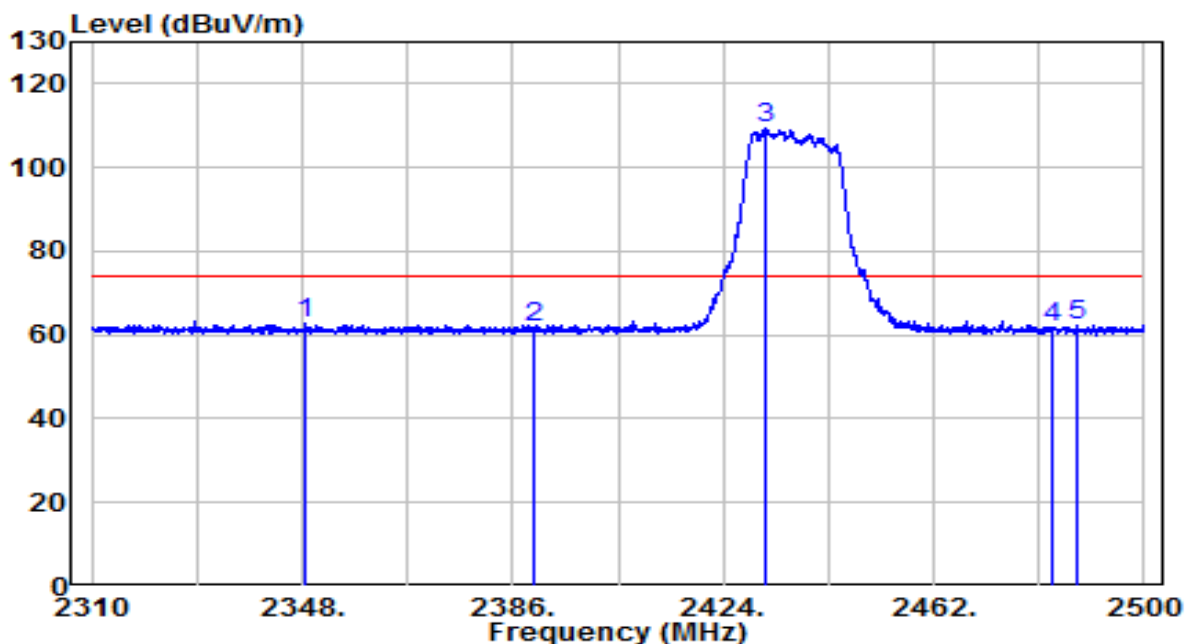


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2387.710	18.23	32.29	50.51	-3.49	54.00	AV
2	2390.000	18.04	32.30	50.34	-3.66	54.00	AV
3	2435.970	76.03	32.50	108.53	N/A	N/A	AV
4	2483.500	17.79	32.71	50.50	-3.50	54.00	AV
5	* 2484.705	17.83	32.71	50.55	-3.45	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2437MHz	Test Voltage	110V/60Hz

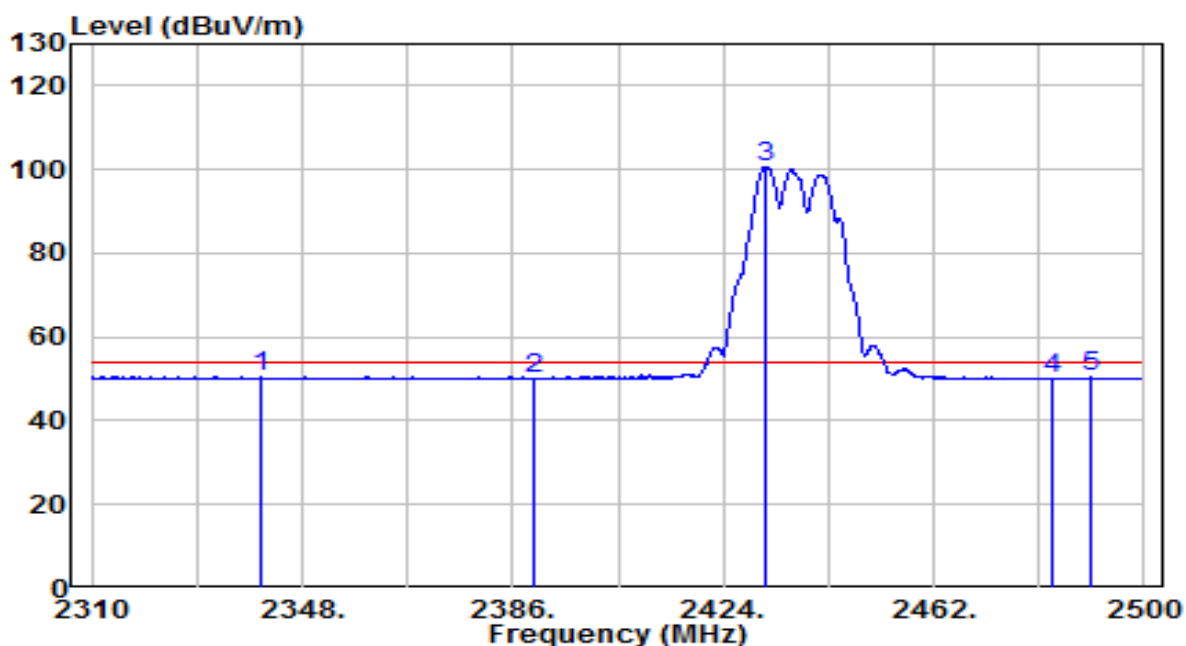


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2348.380	30.49	32.11	62.61	-11.39	74.00	PK
2		2390.000	29.39	32.30	61.68	-12.32	74.00	PK
3		2431.695	77.07	32.48	109.55	N/A	N/A	PK
4		2483.500	29.34	32.71	62.04	-11.96	74.00	PK
5		2487.745	29.45	32.73	62.17	-11.83	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2437MHz	Test Voltage	110V/60Hz

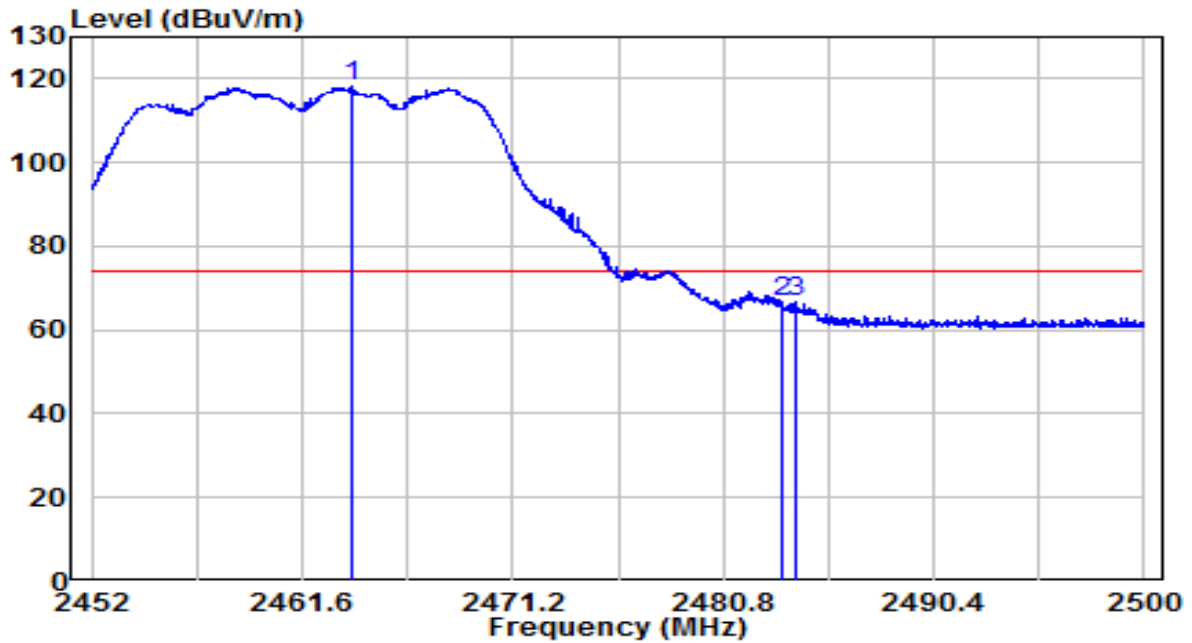


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2340.780	18.25	32.08	50.33	-3.67	54.00	AV
2	2390.000	17.83	32.30	50.12	-3.88	54.00	AV
3	2431.790	68.20	32.48	100.68	N/A	N/A	AV
4	2483.500	17.43	32.71	50.14	-3.86	54.00	AV
5	* 2490.500	17.60	32.74	50.34	-3.66	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

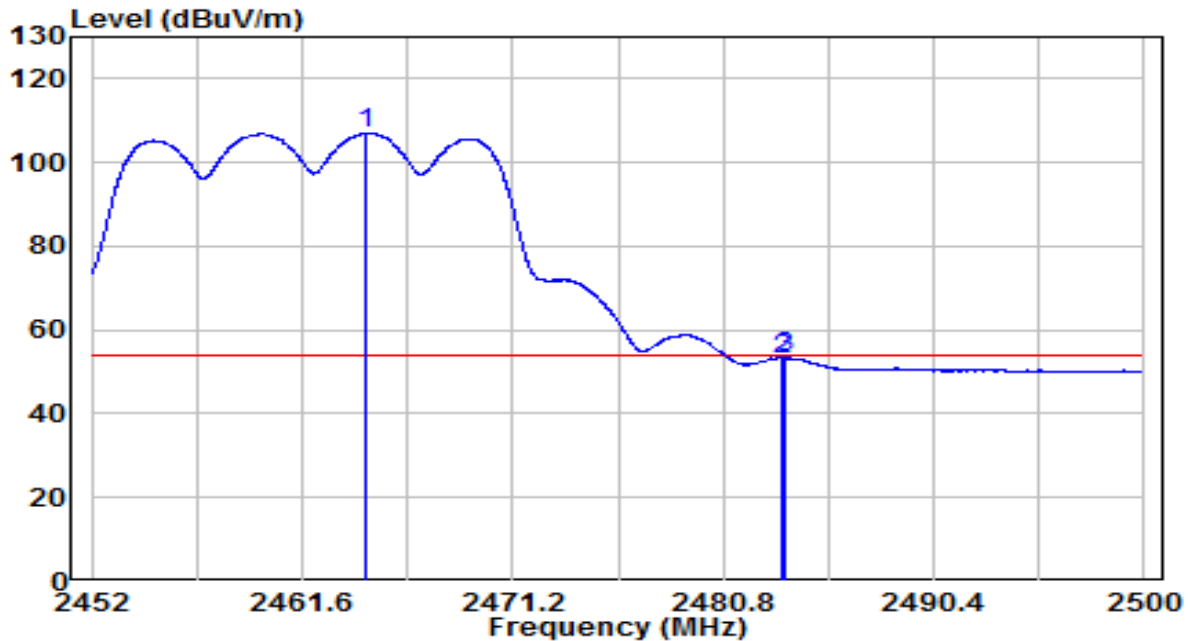


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2463.880	85.78	32.62	118.40	N/A	N/A	PK
2	2483.500	33.78	32.71	66.49	-7.51	74.00	PK
3	* 2484.112	33.97	32.71	66.68	-7.32	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

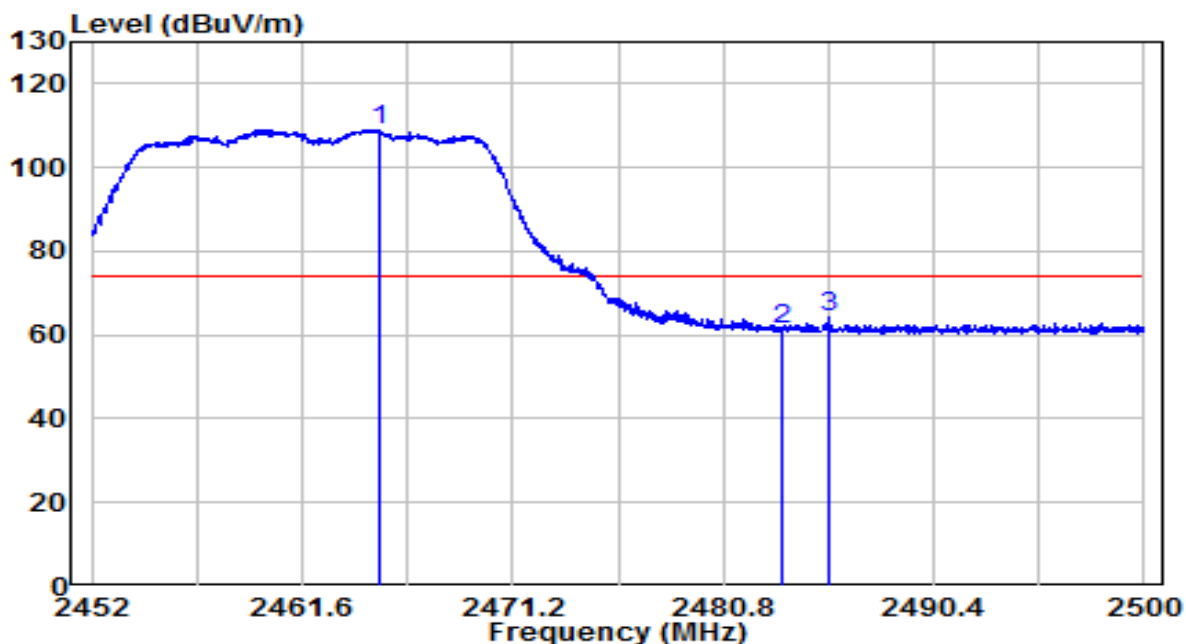


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2464.528	74.42	32.62	107.05	N/A	N/A	AV
2	2483.500	20.50	32.71	53.20	-0.80	54.00	AV
3	* 2483.560	20.66	32.71	53.37	-0.63	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

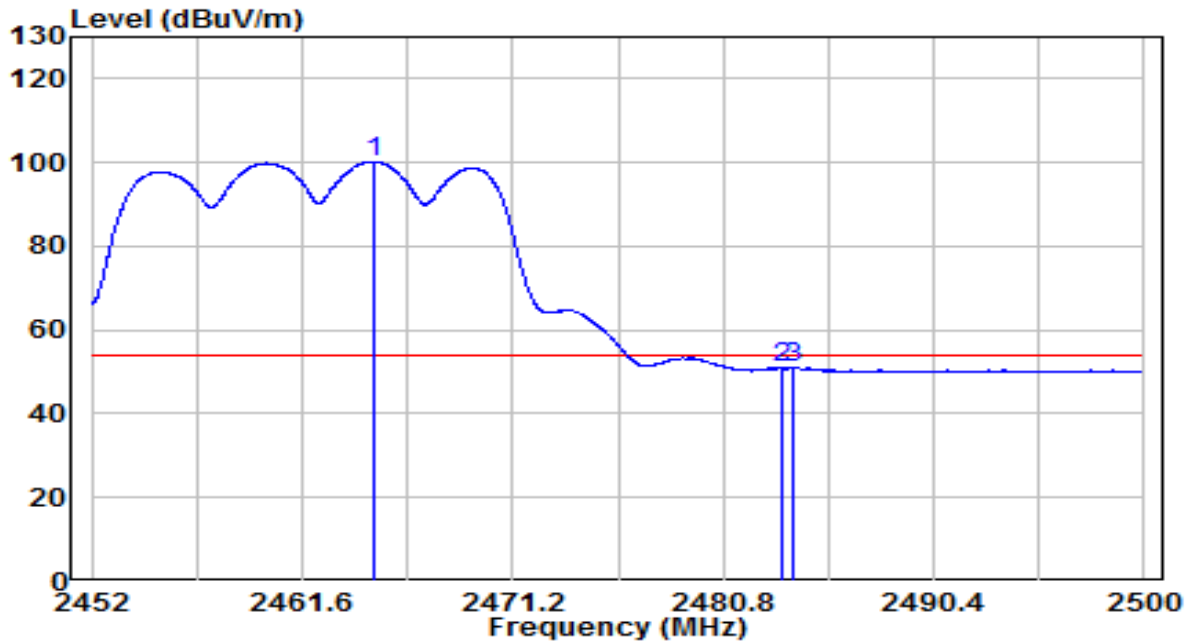


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2465.152	76.49	32.63	109.12	N/A	N/A	PK
2	2483.500	28.37	32.71	61.08	-12.92	74.00	PK
3	* 2485.624	31.31	32.72	64.02	-9.98	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11g at Channel 2462MHz	Test Voltage	110V/60Hz

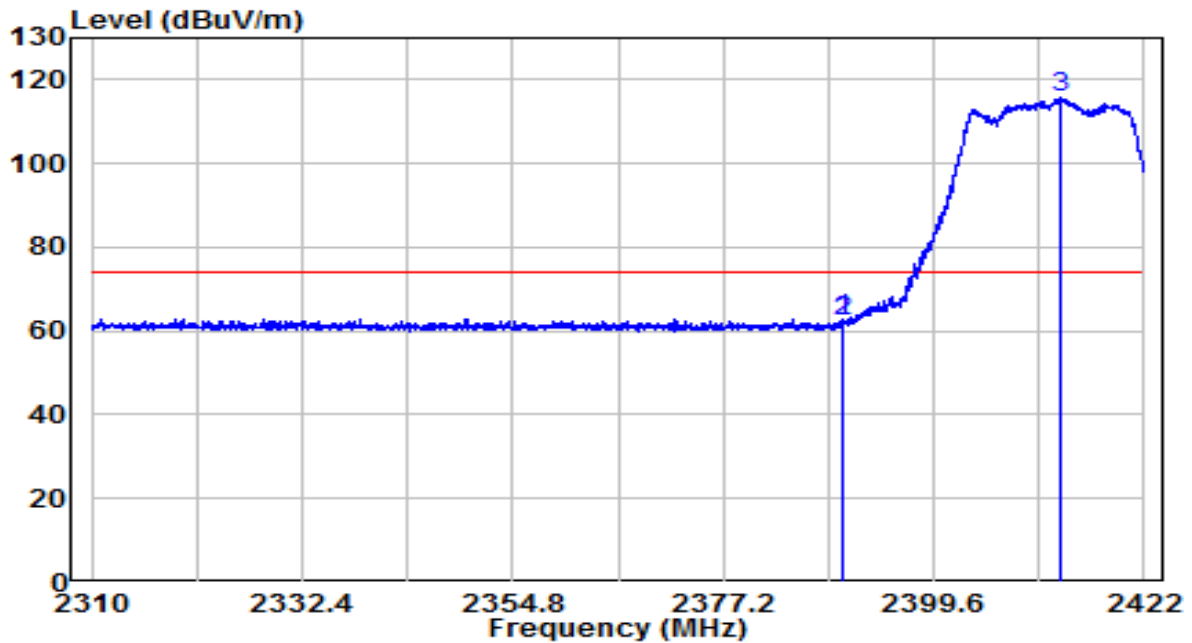


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2464.888	67.56	32.63	100.18	N/A	N/A	AV
2	2483.500	18.07	32.71	50.78	-3.22	54.00	AV
3	* 2483.944	18.35	32.71	51.06	-2.94	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

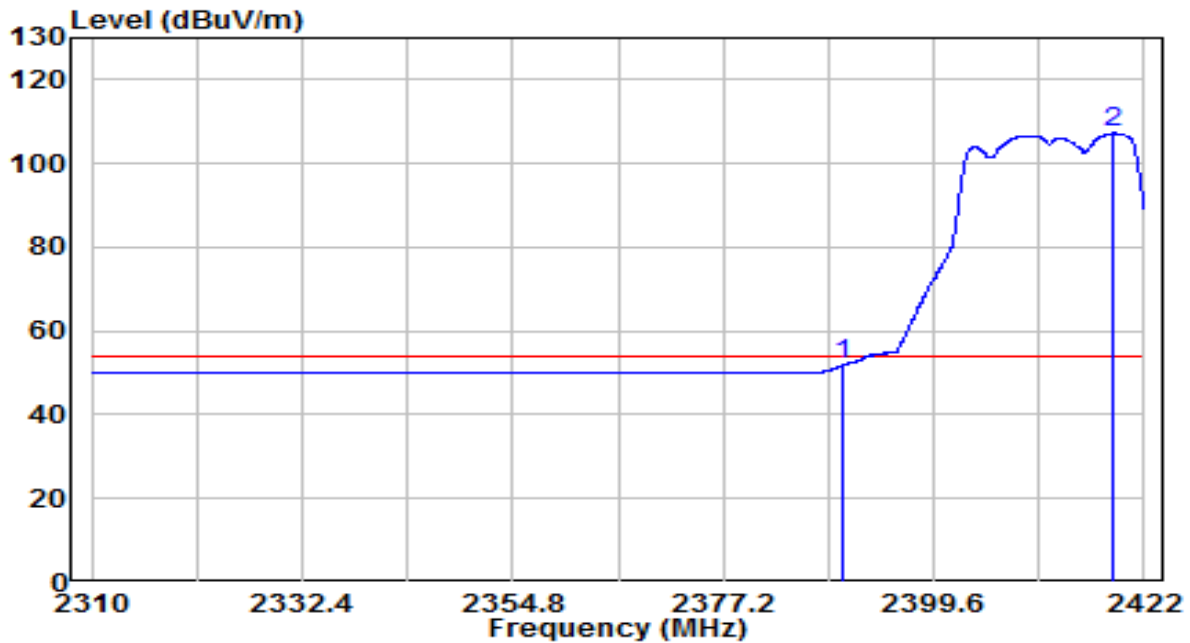


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2389.800	30.66	32.30	62.95	-11.05	74.00	PK
2		2390.000	29.95	32.30	62.24	-11.76	74.00	PK
3		2413.096	83.33	32.40	115.73	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

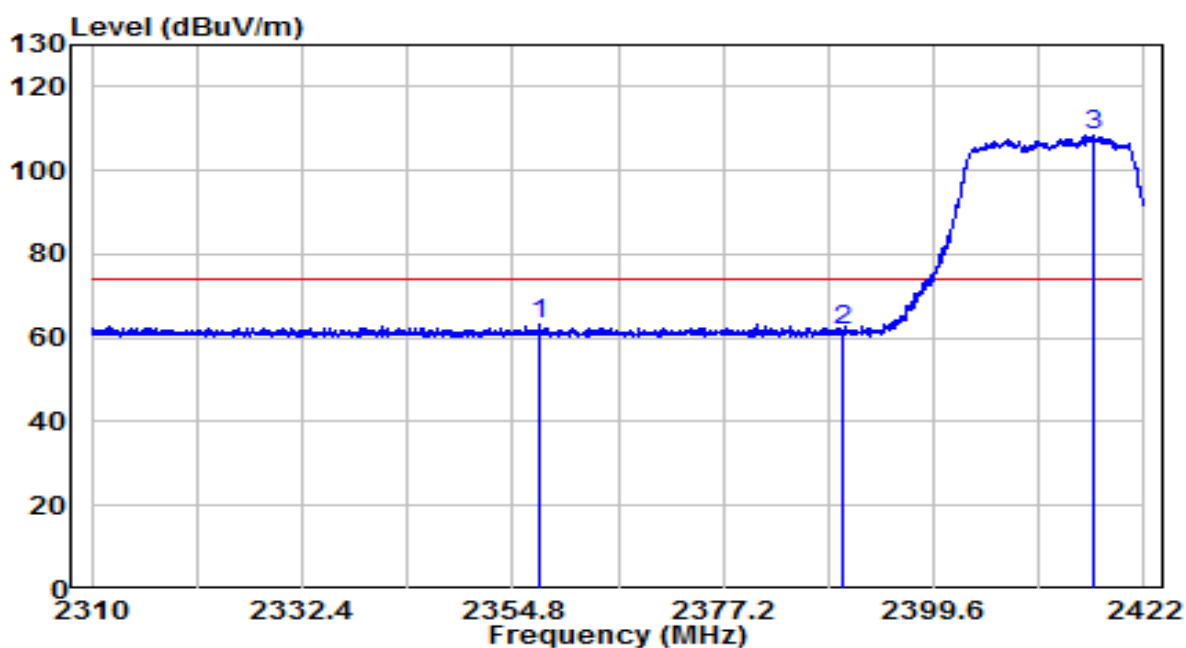


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	19.58	32.30	51.88	-2.12	54.00	AV
2		2418.752	74.89	32.42	107.31	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

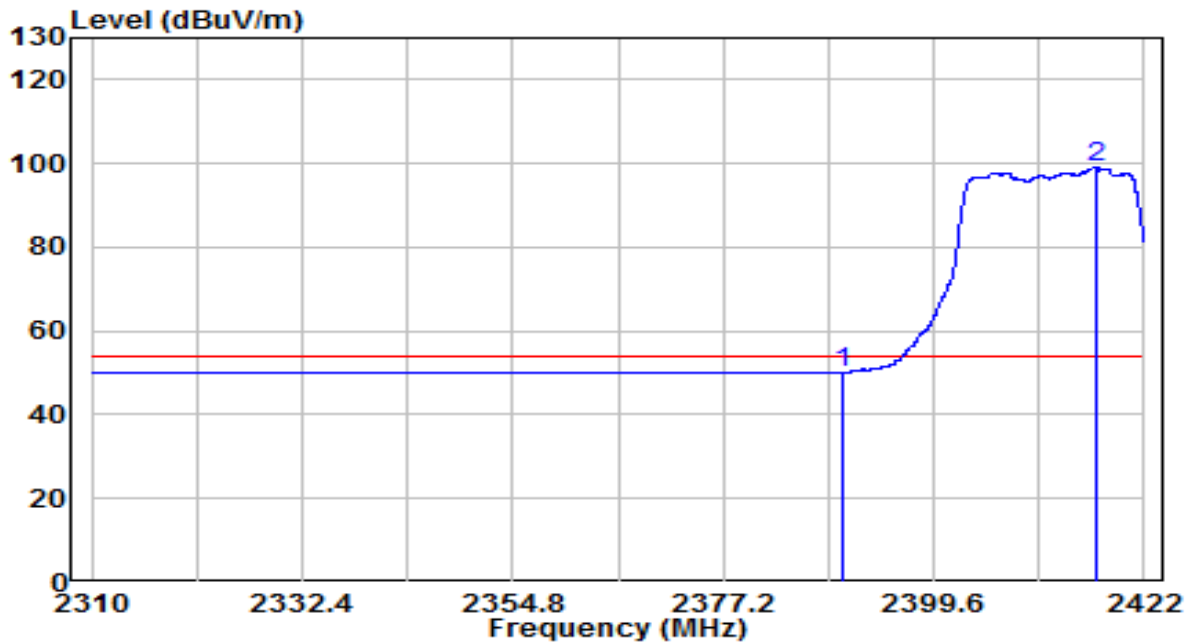


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2357.656	30.91	32.15	63.07	-10.93	74.00	PK
2		2390.024	29.36	32.30	61.65	-12.35	74.00	PK
3		2416.736	75.94	32.41	108.36	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2412MHz	Test Voltage	110V/60Hz

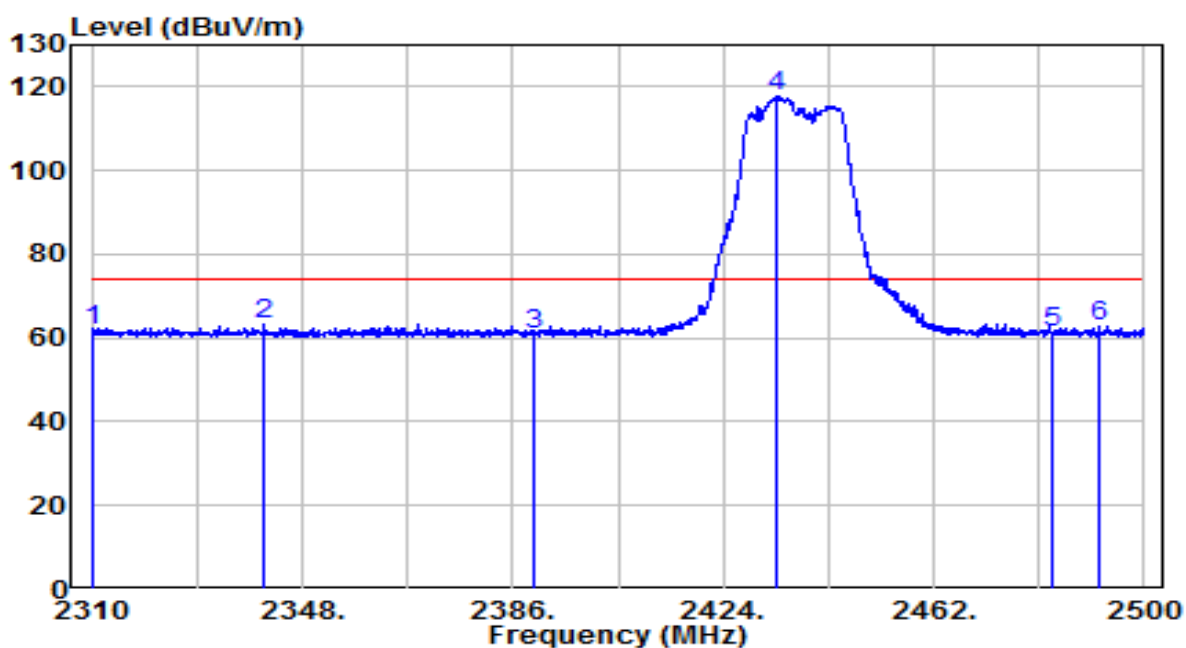


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.024	17.80	32.30	50.10	-3.90	54.00	AV
2		2417.016	66.85	32.41	99.27	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	factor\BBHA 9120D.csv	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2437MHz	Test Voltage	110V/60Hz

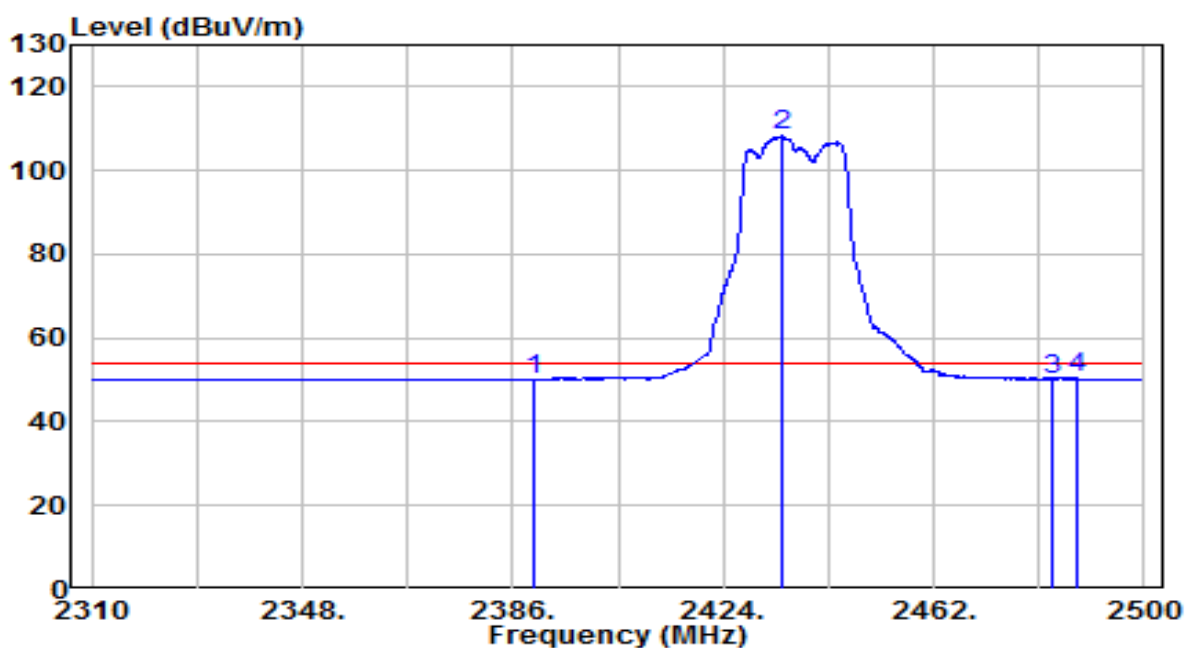


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1		2310.095	29.63	31.94	61.57	-12.43	74.00	PK
2	*	2340.970	31.08	32.08	63.16	-10.84	74.00	PK
3		2390.000	28.69	32.30	60.99	-13.01	74.00	PK
4		2433.785	85.41	32.49	117.90	N/A	N/A	PK
5		2483.500	28.71	32.71	61.42	-12.58	74.00	PK
6		2491.735	30.07	32.74	62.81	-11.19	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2437MHz	Test Voltage	110V/60Hz

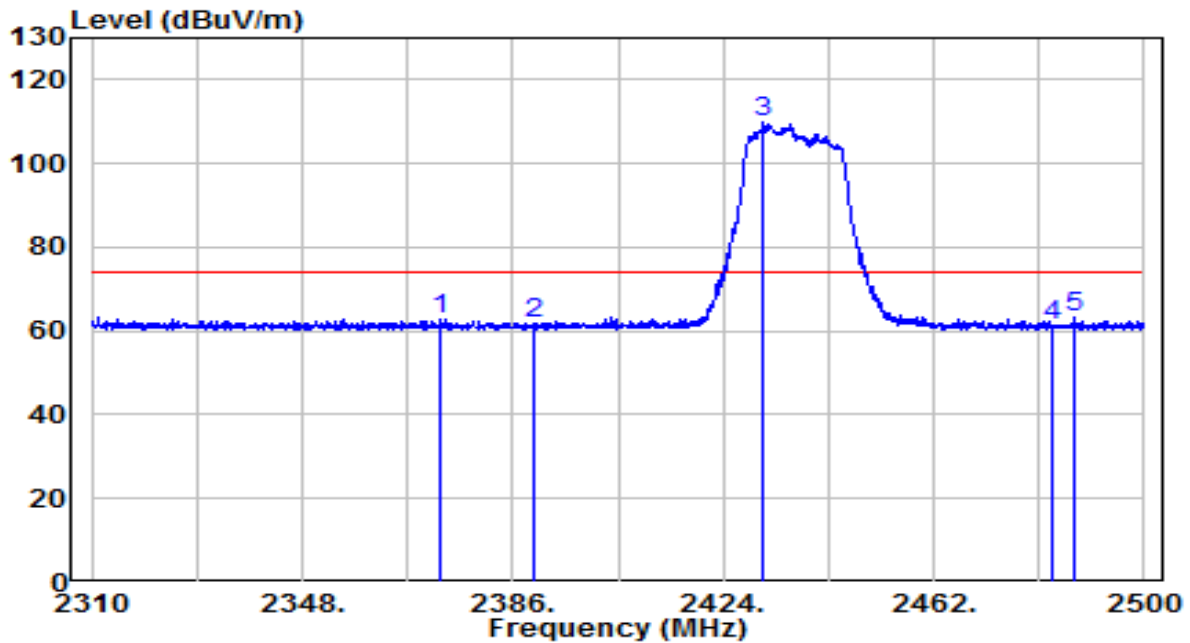


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	17.91	32.30	50.21	-3.79	54.00	AV
2	2434.830	75.70	32.49	108.19	N/A	N/A	AV
3	2483.470	17.51	32.71	50.22	-3.78	54.00	AV
4	* 2487.650	17.70	32.73	50.43	-3.57	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2437MHz	Test Voltage	110V/60Hz

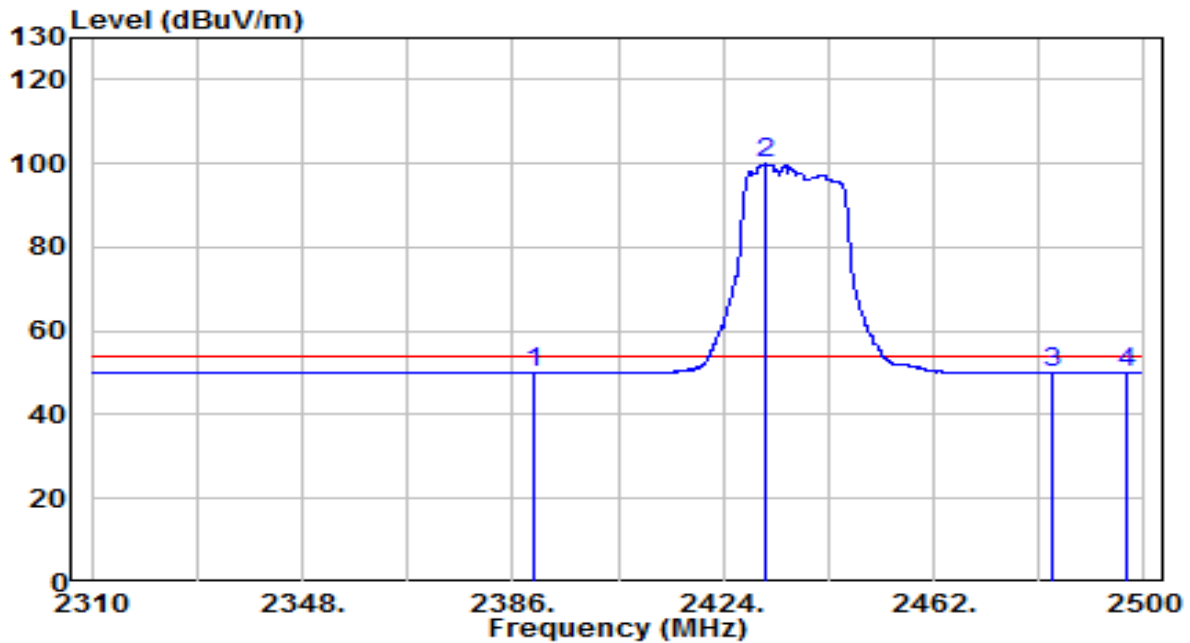


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1		2372.985	30.40	32.22	62.62	-11.38	74.00	PK
2		2390.000	29.51	32.30	61.81	-12.19	74.00	PK
3		2431.315	77.17	32.48	109.65	N/A	N/A	PK
4		2483.500	28.55	32.71	61.26	-12.74	74.00	PK
5	*	2487.555	30.56	32.73	63.29	-10.71	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2437MHz	Test Voltage	110V/60Hz

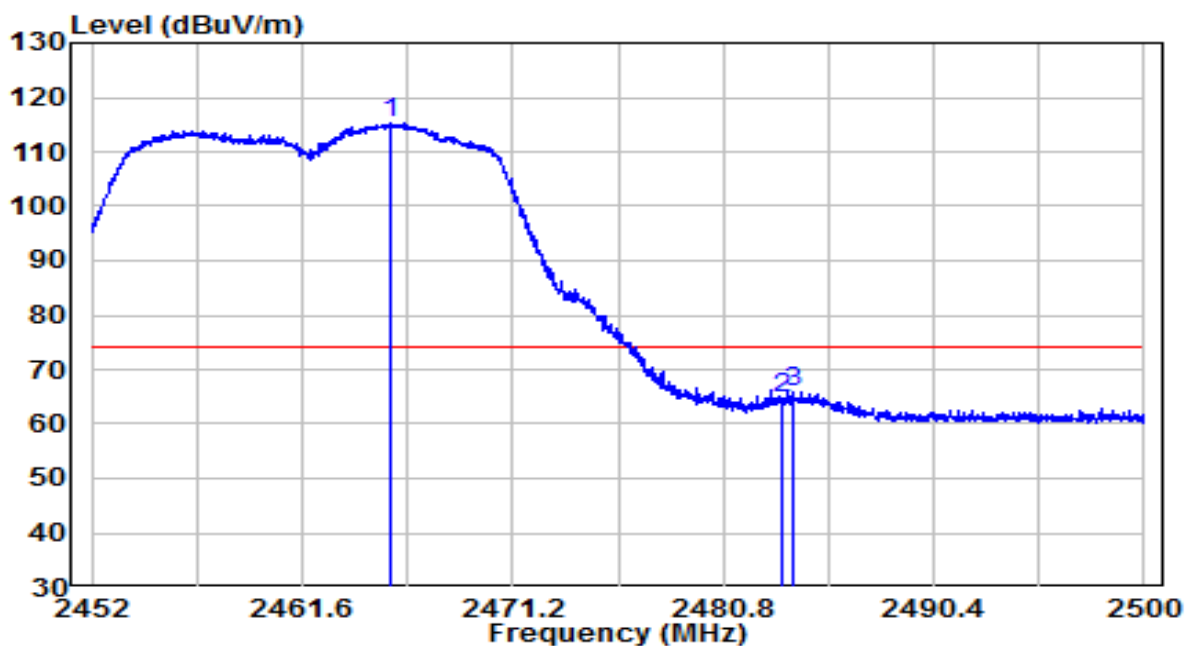


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	17.74	32.30	50.04	-3.96	54.00	AV
2	2431.600	67.47	32.48	99.95	N/A	N/A	AV
3	2483.500	17.24	32.71	49.95	-4.05	54.00	AV
4	* 2496.960	17.31	32.77	50.08	-3.92	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

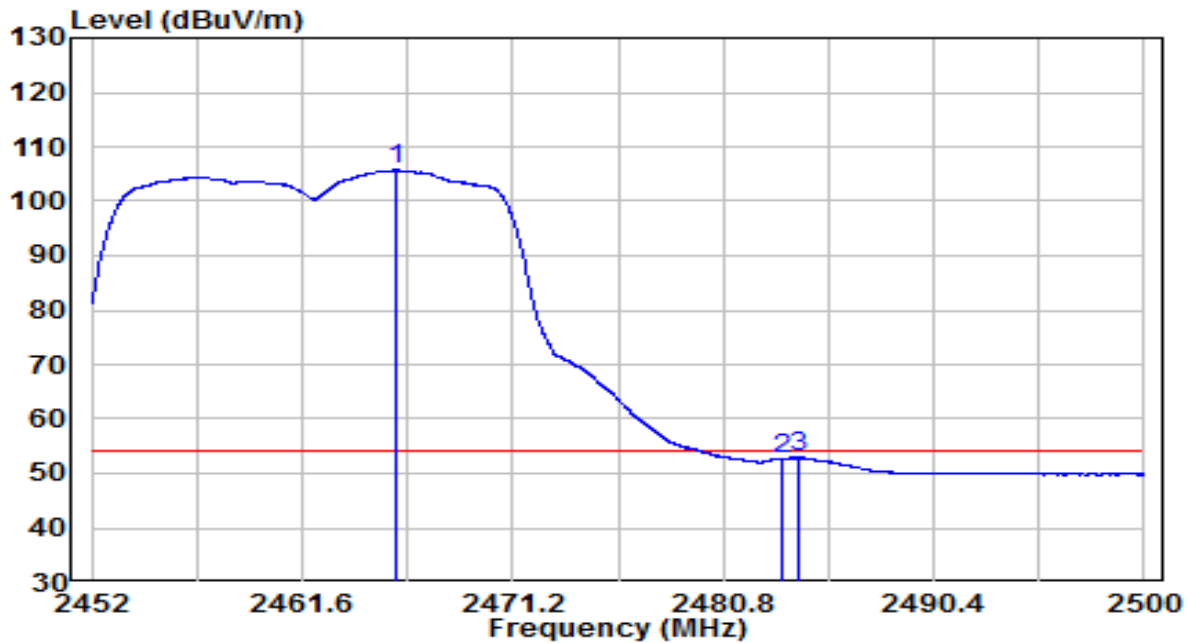


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2465.632	82.81	32.63	115.44	N/A	N/A	Peak
2	2483.500	31.92	32.71	64.63	-9.37	74.00	Peak
3	* 2483.992	33.19	32.71	65.90	-8.10	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

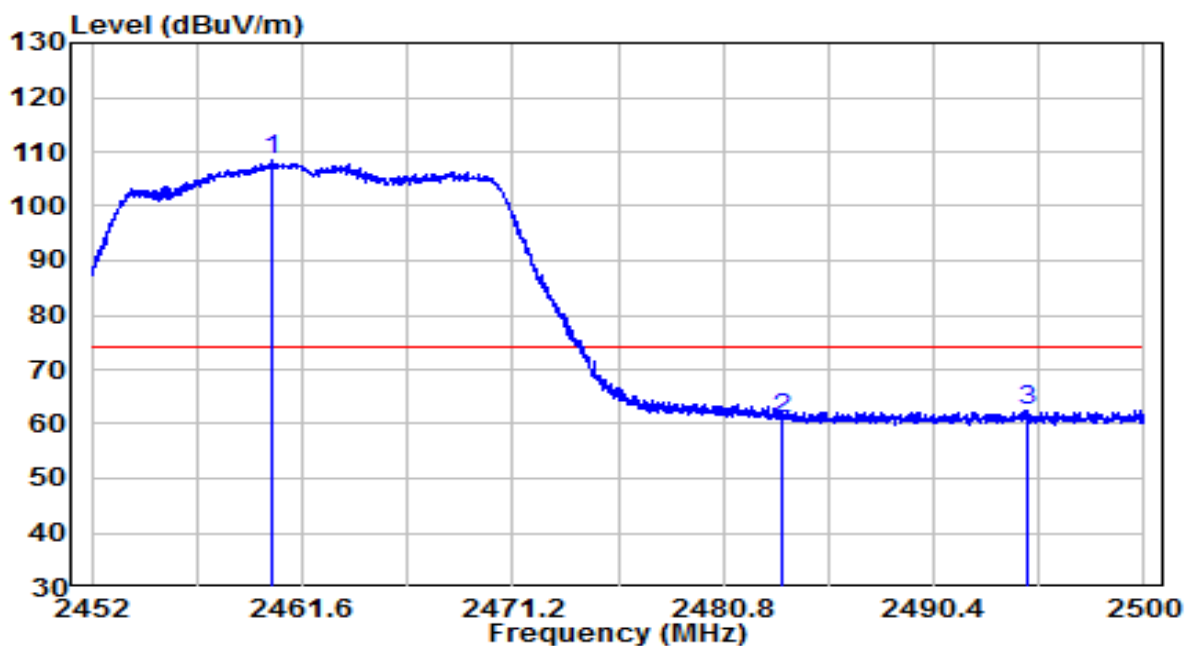


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2465.872	73.06	32.63	105.69	N/A	N/A	Average
2	2483.500	20.06	32.71	52.77	-1.23	54.00	Average
3	* 2484.280	20.33	32.71	53.04	-0.96	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

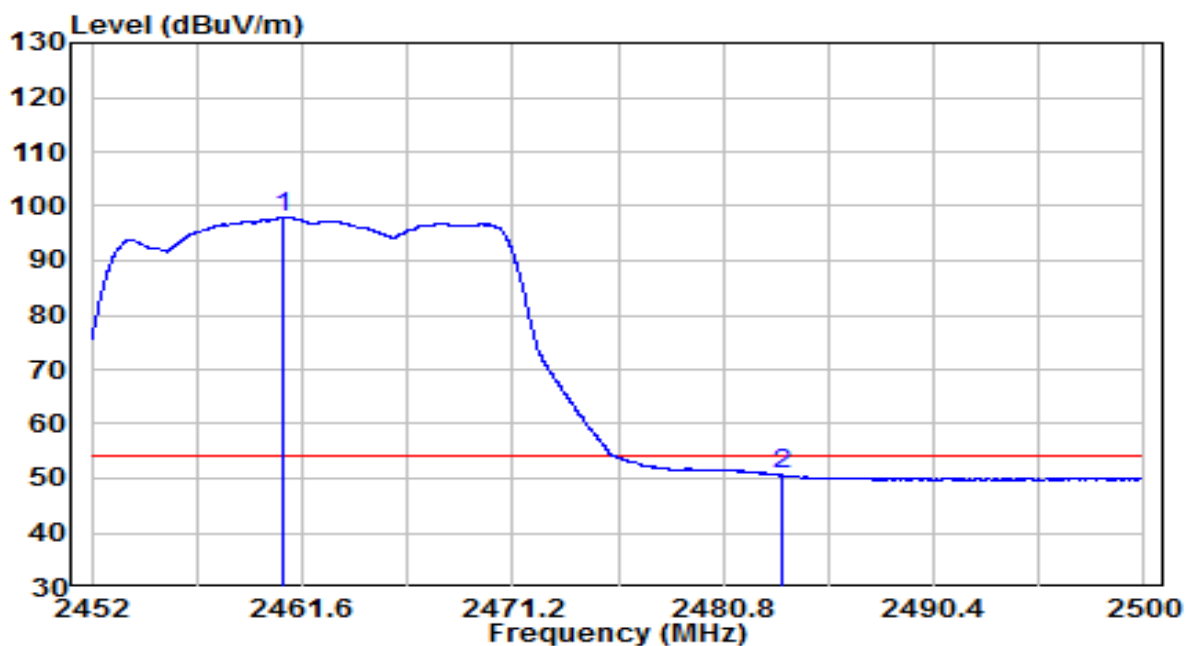


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2460.280	75.76	32.61	108.36	N/A	N/A	Peak
2	2483.500	28.36	32.71	61.07	-12.93	74.00	Peak
3	* 2494.720	29.87	32.76	62.62	-11.38	74.00	Peak

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.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT20 at Channel 2462MHz	Test Voltage	110V/60Hz

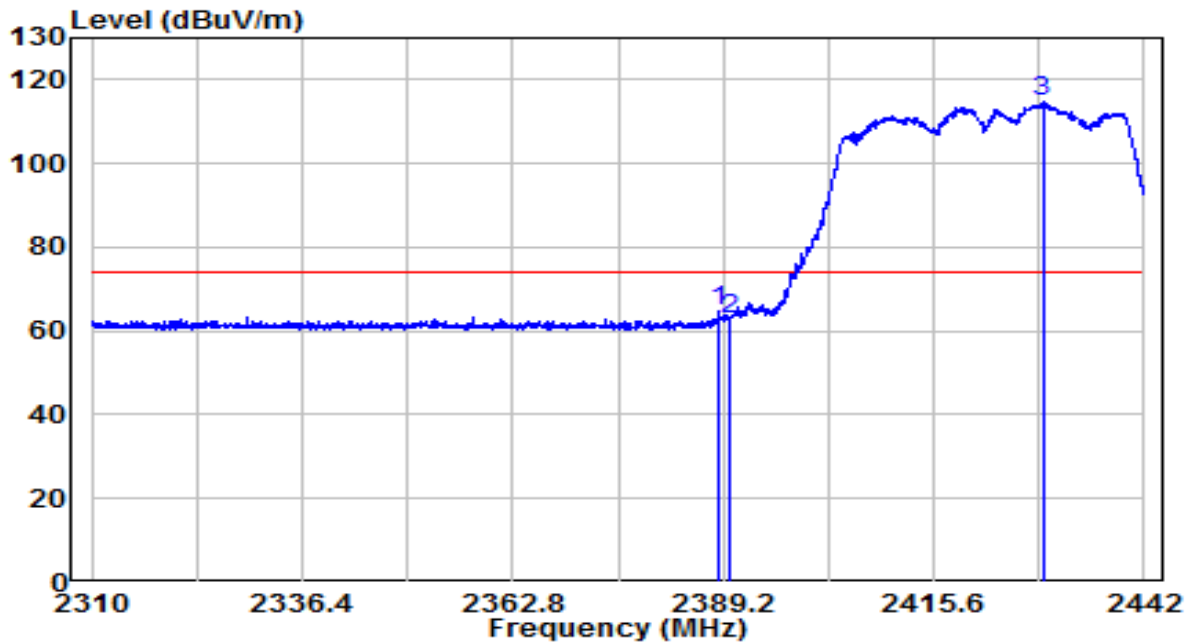


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2460.760	65.31	32.61	97.91	N/A	N/A	Average
2	* 2483.500	17.88	32.71	50.59	-3.41	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

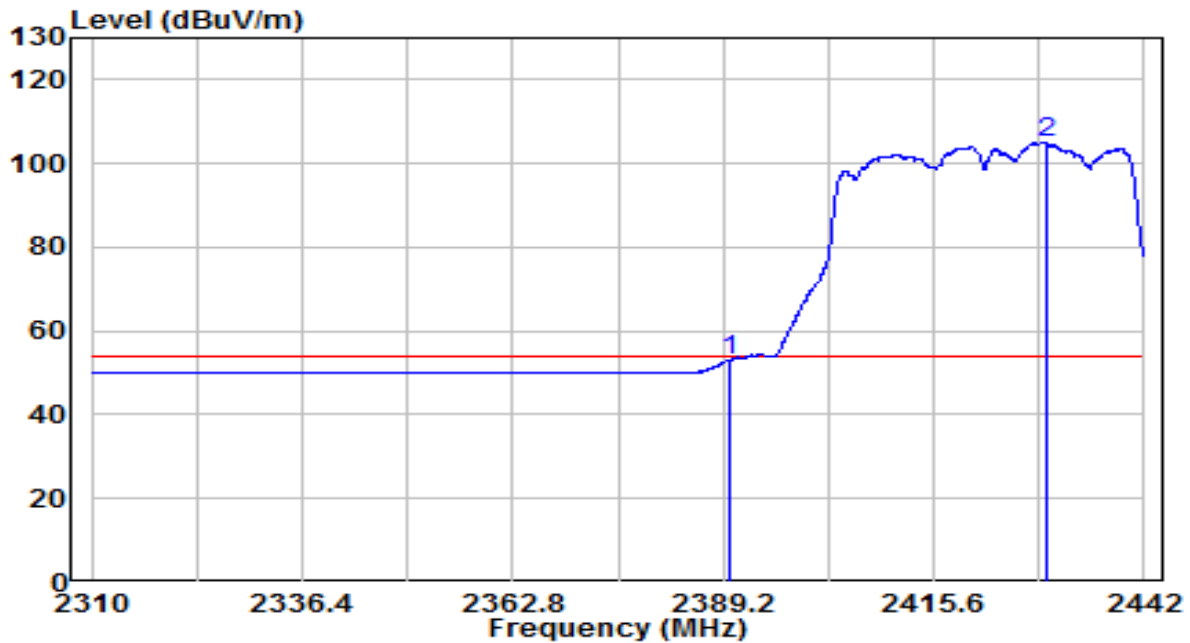


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2388.672	32.28	32.29	64.57	-9.43	74.00	PK
2		2390.000	30.67	32.30	62.96	-11.04	74.00	PK
3		2429.262	82.19	32.47	114.66	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

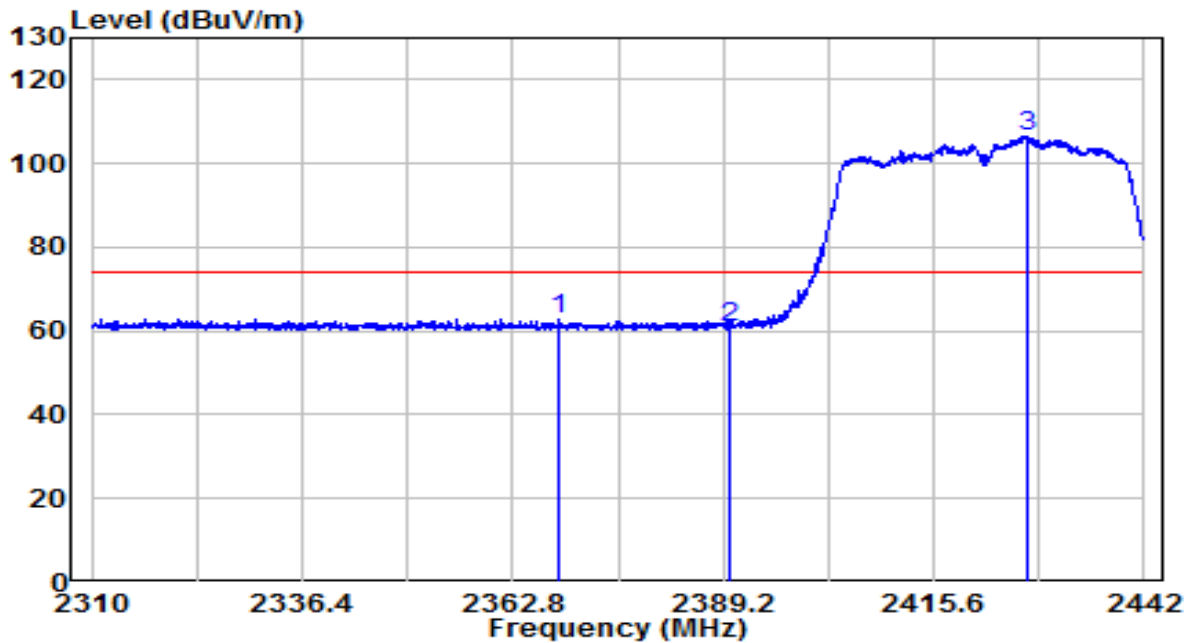


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	20.58	32.30	52.88	-1.12	54.00	AV
2		2429.724	72.57	32.47	105.04	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

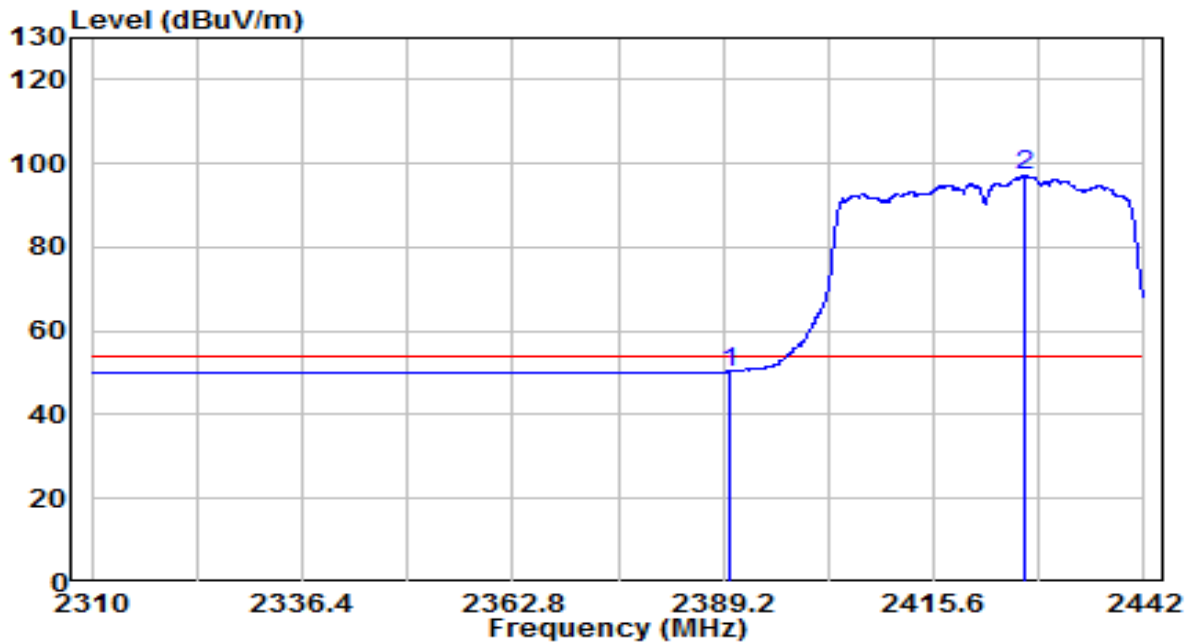


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2368.542	30.42	32.20	62.62	-11.38	74.00	PK
2		2390.000	28.59	32.30	60.89	-13.11	74.00	PK
3		2427.348	74.13	32.46	106.59	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2422MHz	Test Voltage	110V/60Hz

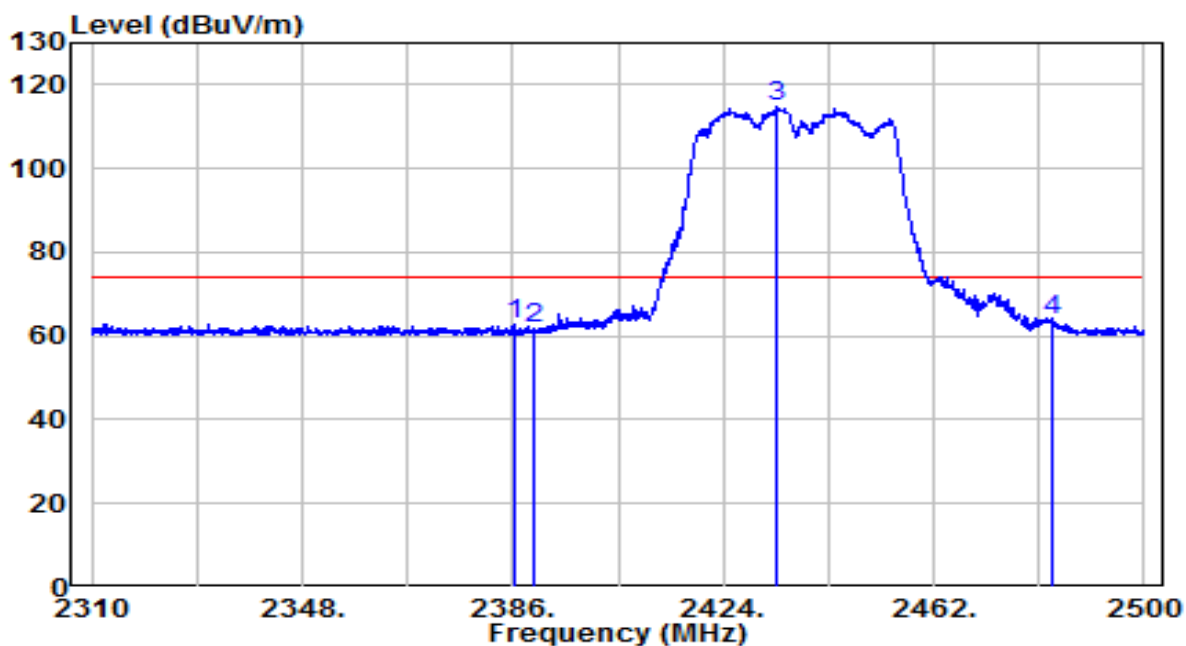


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	17.96	32.30	50.26	-3.74	54.00	AV
2		2427.018	64.80	32.46	97.26	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2437MHz	Test Voltage	110V/60Hz

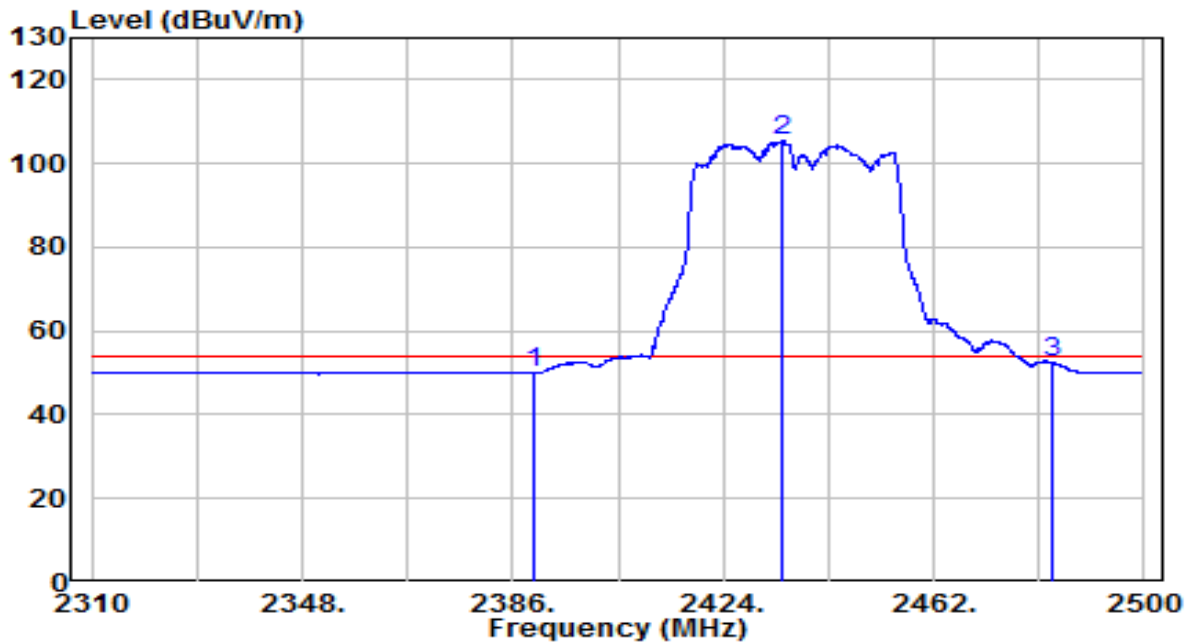


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2386.570	30.53	32.28	62.81	-11.19	74.00	PK
2	2390.000	29.46	32.30	61.75	-12.25	74.00	PK
3	2433.785	82.39	32.49	114.88	N/A	N/A	PK
4	* 2483.500	30.86	32.71	63.57	-10.43	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2437MHz	Test Voltage	110V/60Hz

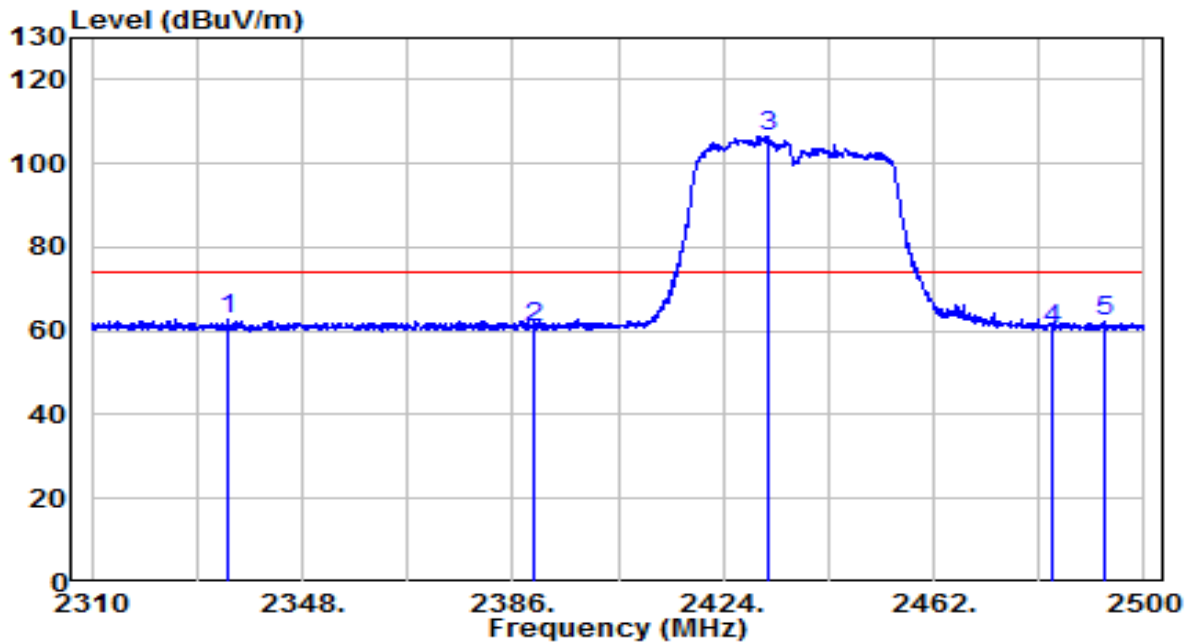


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	17.75	32.30	50.05	-3.95	54.00	AV
2	2434.830	72.84	32.49	105.33	N/A	N/A	AV
3	* 2483.500	19.94	32.71	52.64	-1.36	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2437MHz	Test Voltage	110V/60Hz

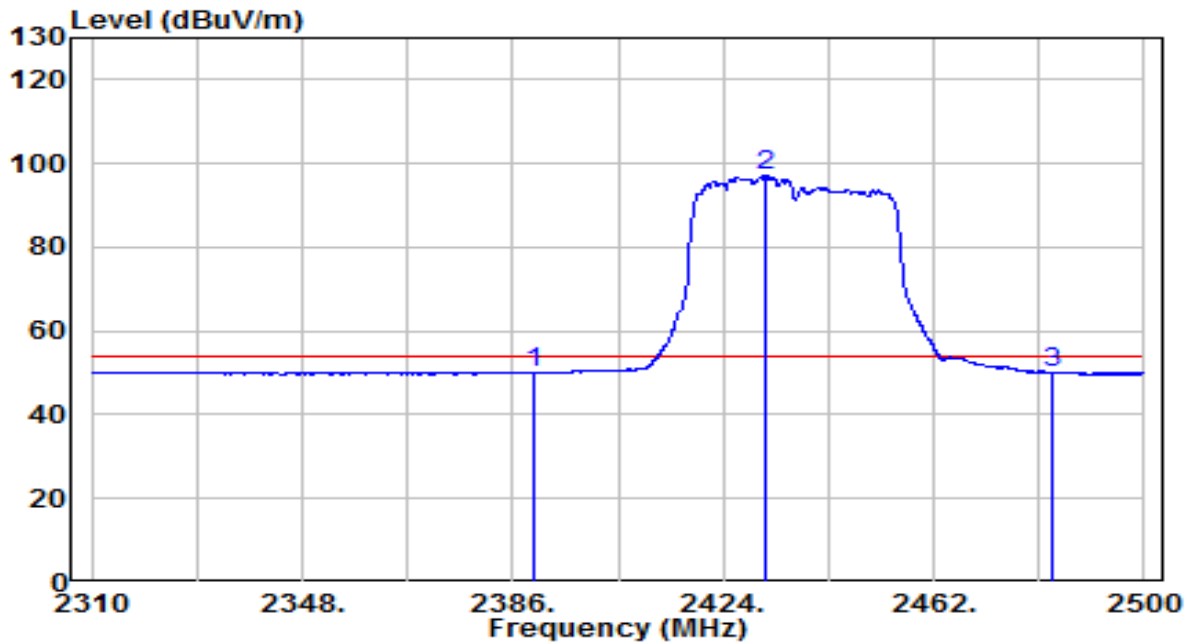


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2334.700	30.76	32.05	62.81	-11.19	74.00	PK
2		2390.000	28.63	32.30	60.93	-13.07	74.00	PK
3		2431.980	74.13	32.48	106.61	N/A	N/A	PK
4		2483.500	27.76	32.71	60.47	-13.53	74.00	PK
5		2492.685	29.72	32.75	62.46	-11.54	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2437MHz	Test Voltage	110V/60Hz

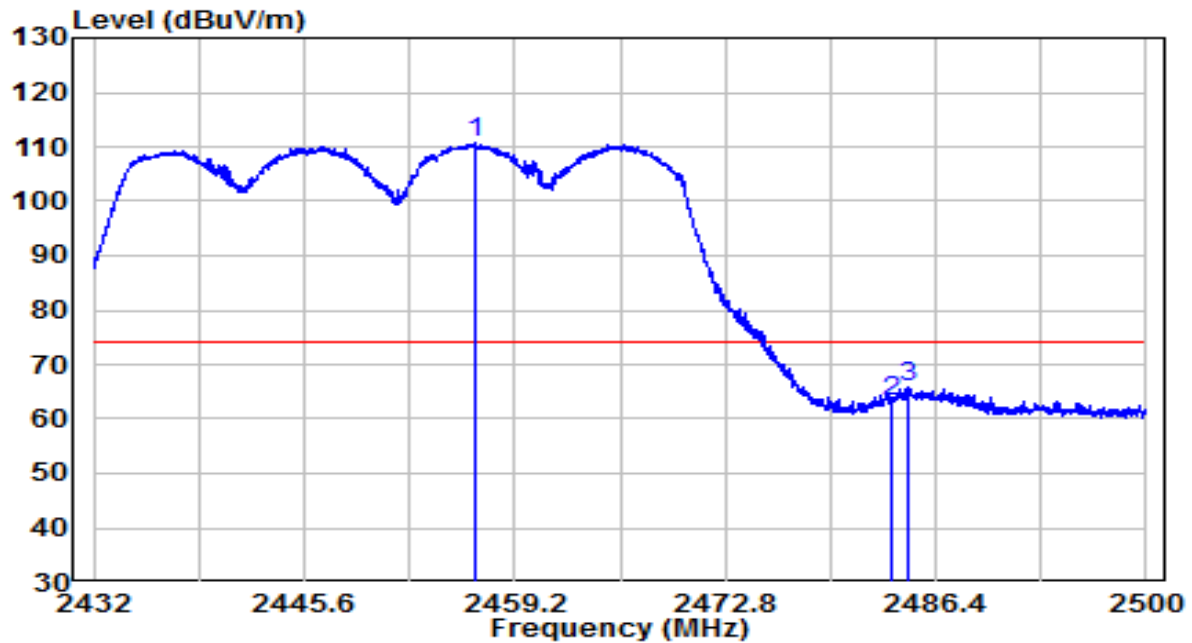


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	17.63	32.30	49.92	-4.08	54.00	AV
2	2431.695	64.78	32.48	97.26	N/A	N/A	AV
3	* 2483.500	17.51	32.71	50.21	-3.79	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	110V/60Hz

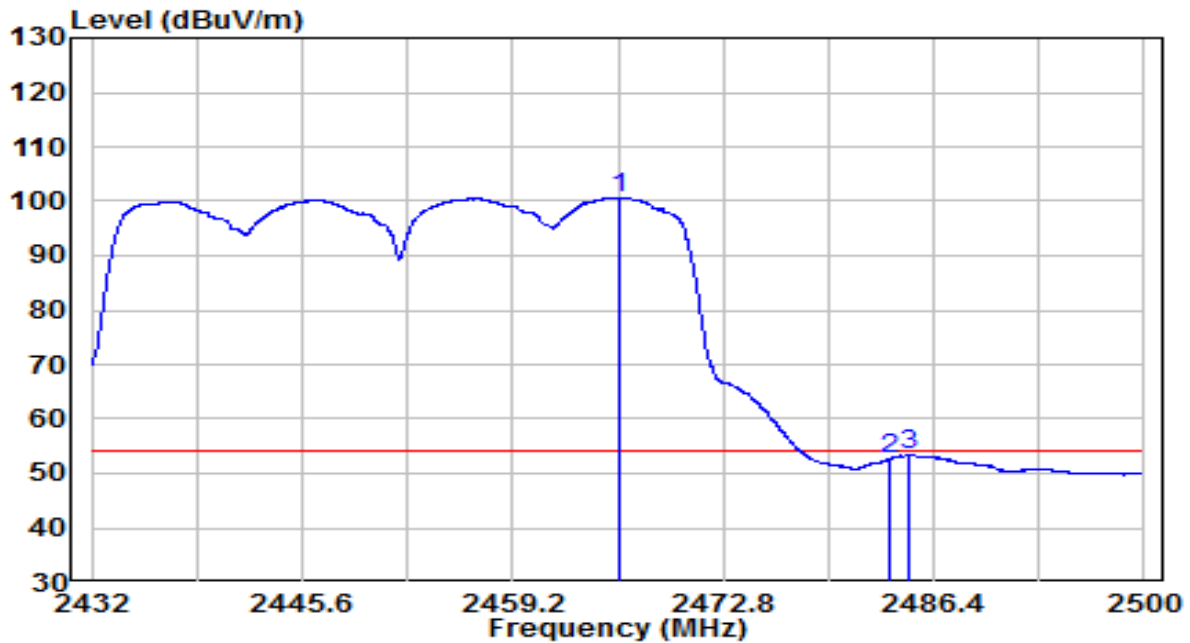


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2456.650	78.00	32.59	110.59	N/A	N/A	Peak
2	2483.500	30.69	32.71	63.40	-10.60	74.00	Peak
3	* 2484.598	33.02	32.71	65.73	-8.27	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	110V/60Hz

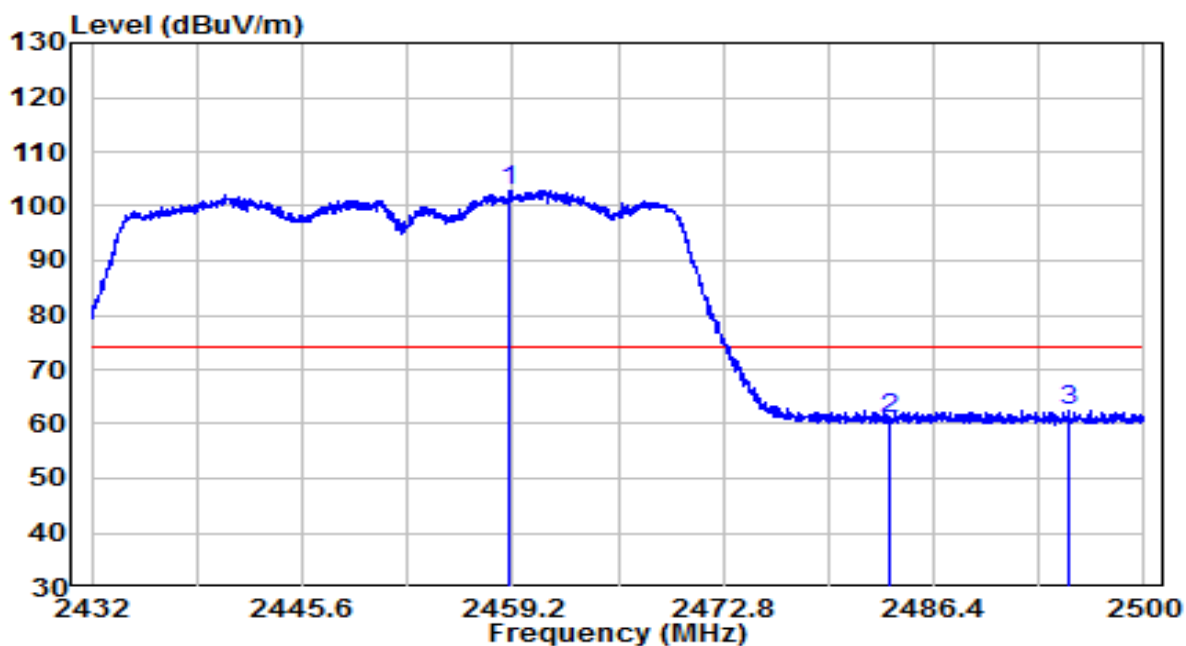


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2466.170	68.02	32.63	100.65	N/A	N/A	Average
2	2483.510	19.90	32.71	52.61	-1.39	54.00	Average
3	* 2484.734	20.67	32.71	53.38	-0.62	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz	Test Voltage	110V/60Hz

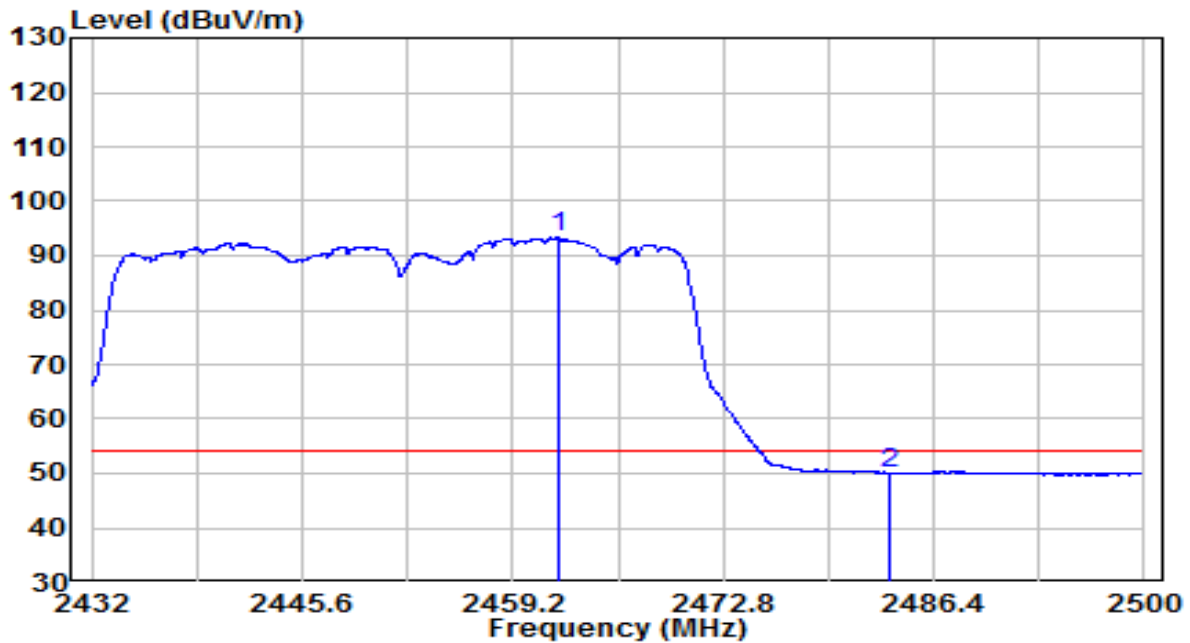


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2459.030	70.35	32.60	102.95	N/A	N/A	Peak
2	2483.500	28.08	32.71	60.79	-13.21	74.00	Peak
3	* 2495.172	29.87	32.76	62.63	-11.37	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11n-HT40 at Channel 2452MHz,	Test Voltage	110V/60Hz

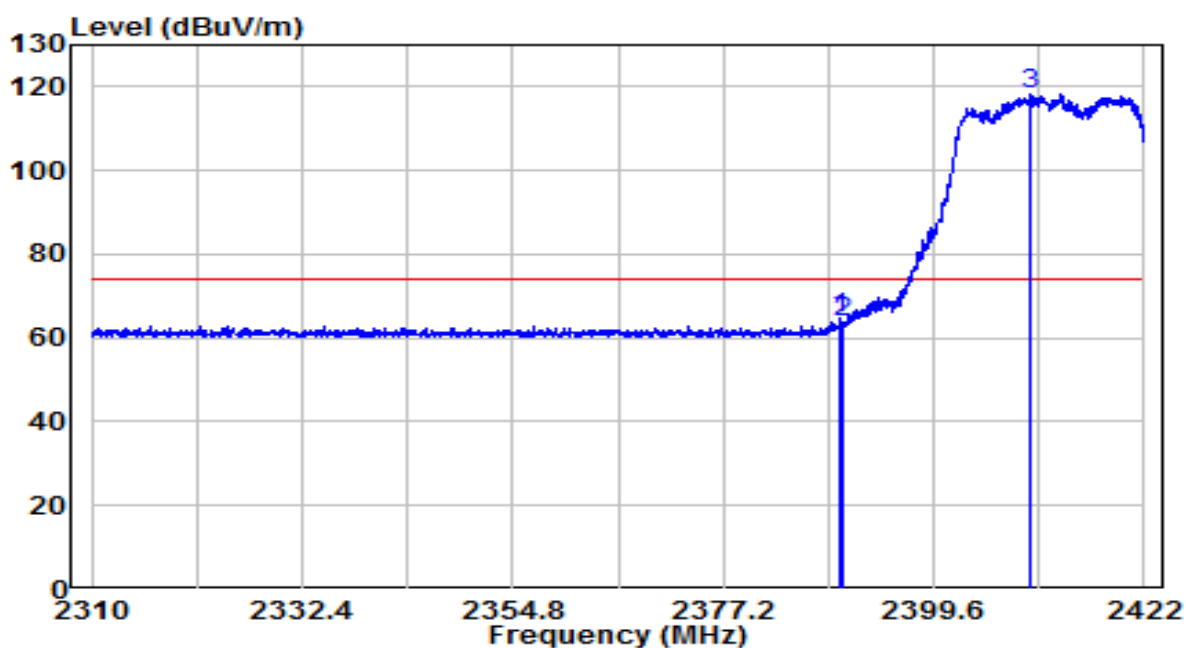


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1		2462.192	60.62	32.61	93.24	N/A	N/A	Average
2	*	2483.500	17.39	32.71	50.09	-3.91	54.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- 4.The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	110V/60Hz

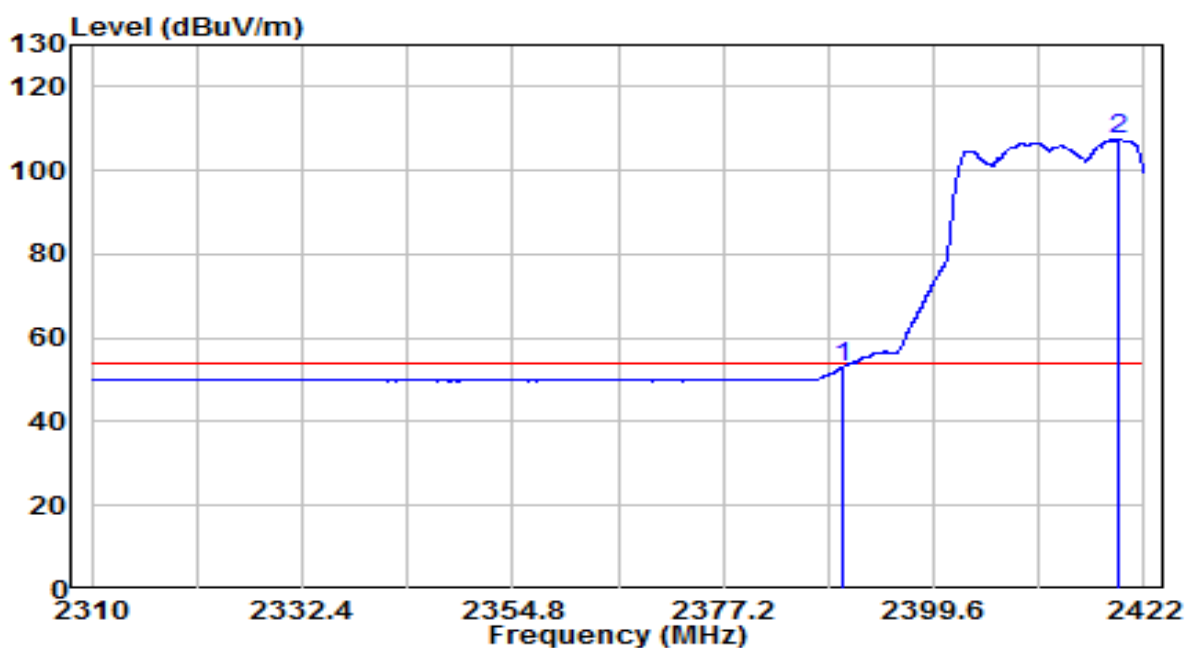


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2389.744	32.59	32.29	64.88	-9.12	74.00	PK
2		2390.000	31.35	32.30	63.64	-10.36	74.00	PK
3		2409.792	85.83	32.38	118.21	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	110V/60Hz

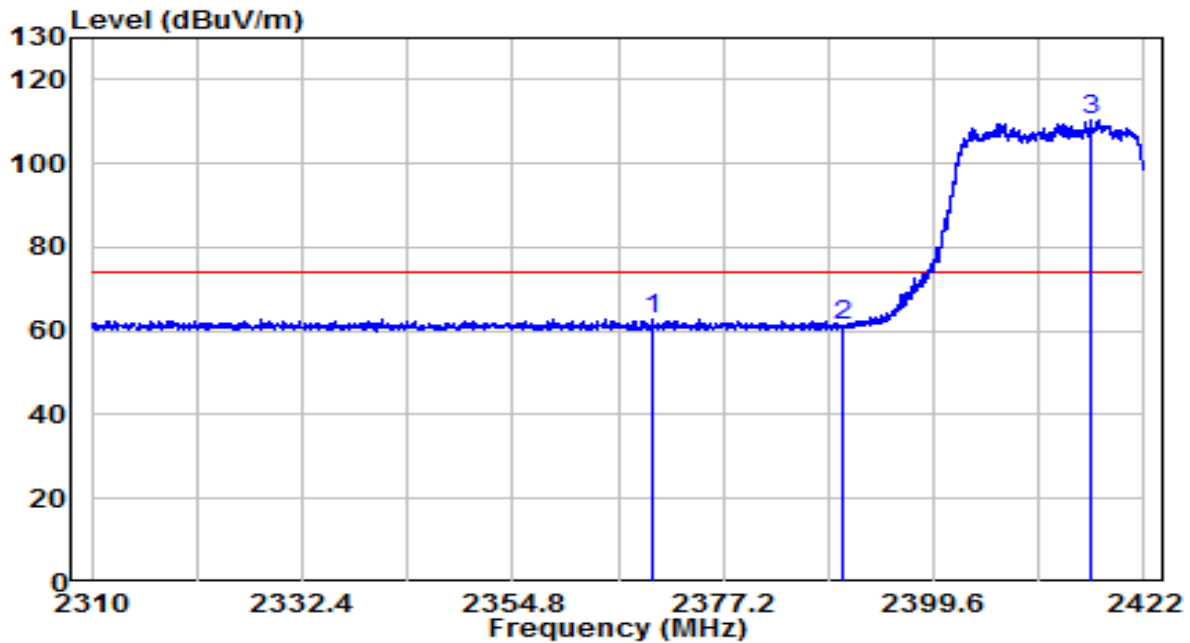


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	20.91	32.30	53.21	-0.79	54.00	AV
2		2419.200	74.96	32.42	107.38	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	110V/60Hz

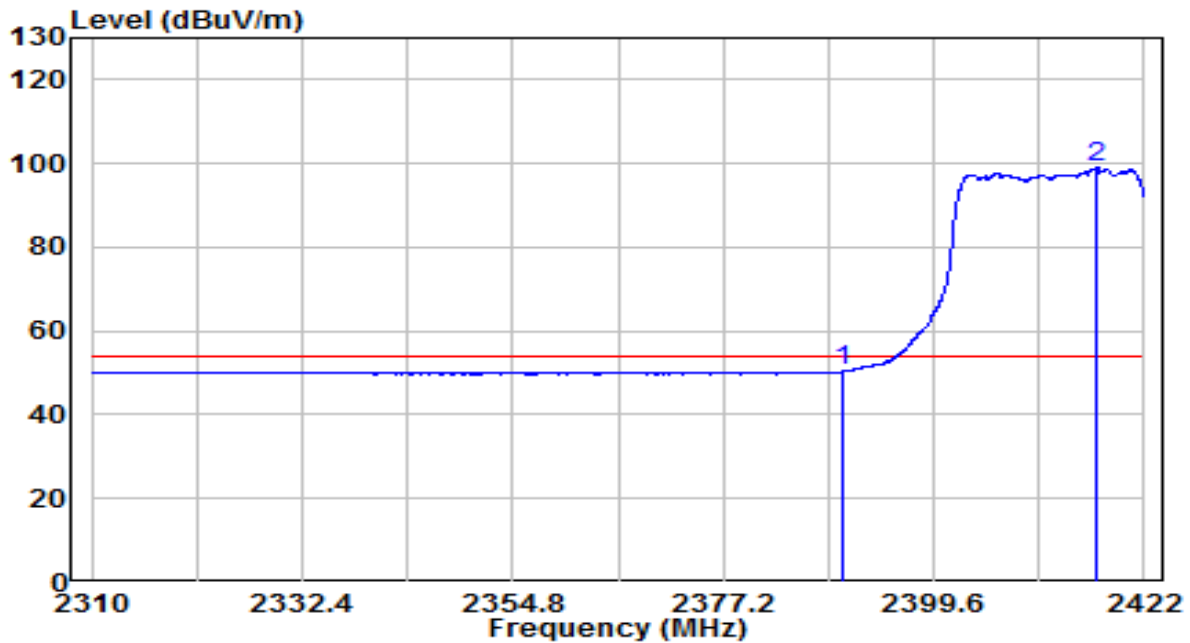


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2369.584	30.54	32.21	62.74	-11.26	74.00	PK
2		2390.000	28.99	32.30	61.29	-12.71	74.00	PK
3		2416.344	78.19	32.41	110.60	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2412MHz	Test Voltage	110V/60Hz

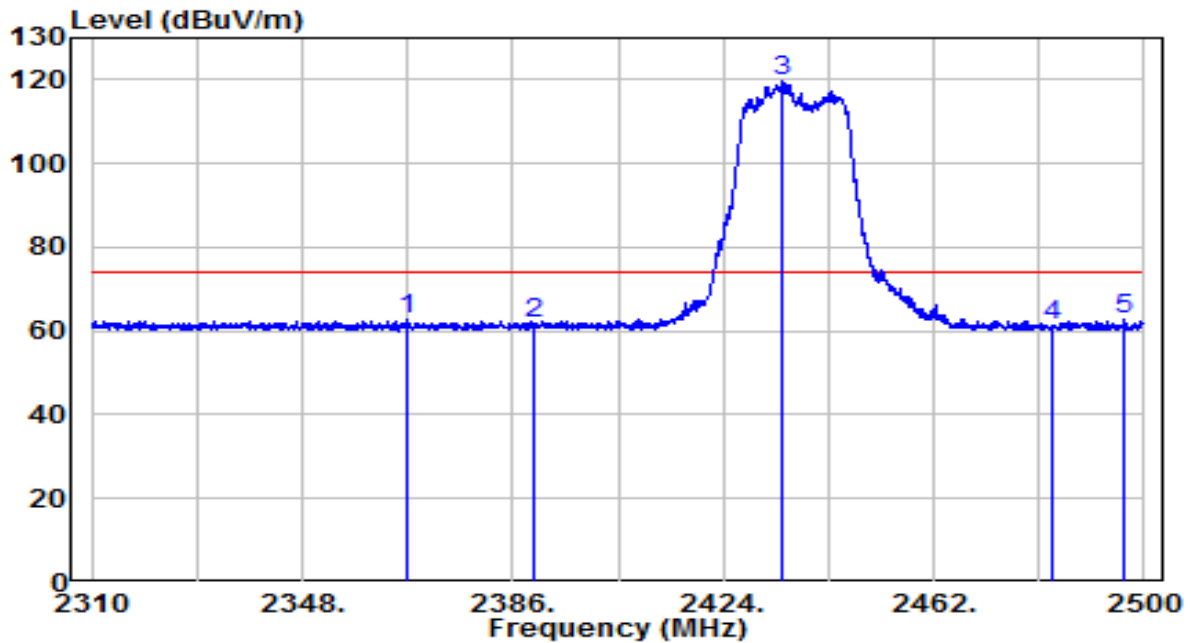


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	17.99	32.30	50.28	-3.72	54.00	AV
2		2416.960	66.51	32.41	98.92	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2437MHz	Test Voltage	110V/60Hz

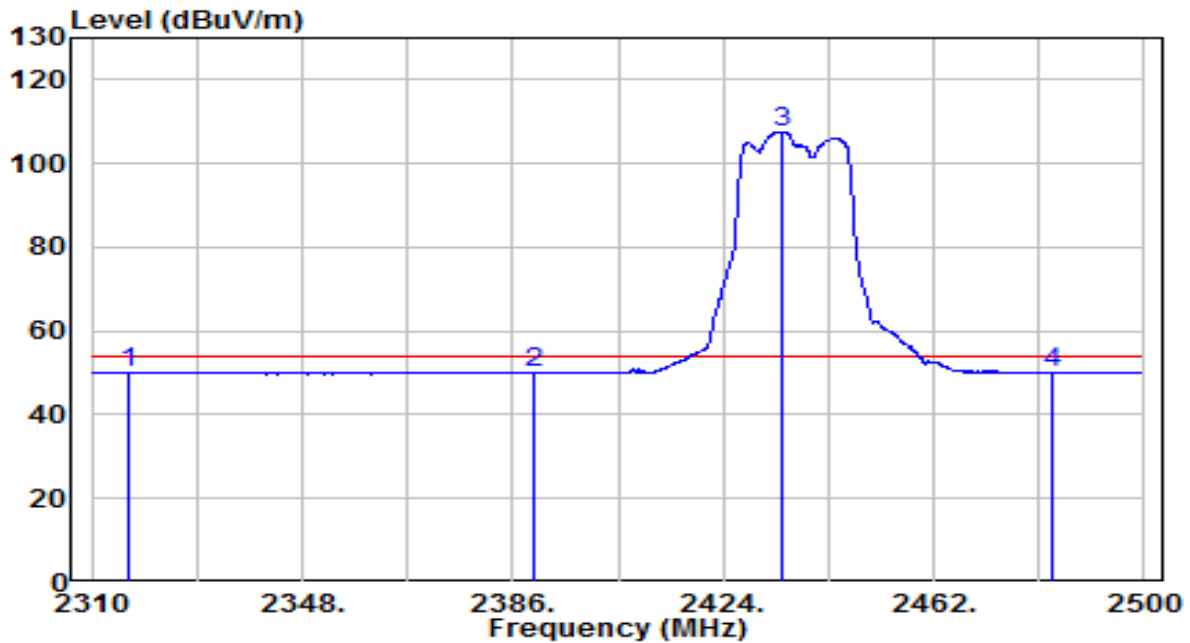


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2366.715	30.50	32.19	62.69	-11.31	74.00	PK
2	2390.000	29.39	32.30	61.68	-12.32	74.00	PK
3	2434.640	87.11	32.49	119.60	N/A	N/A	PK
4	2483.470	28.43	32.71	61.13	-12.87	74.00	PK
5	* 2496.580	30.17	32.76	62.94	-11.06	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2437MHz	Test Voltage	110V/60Hz

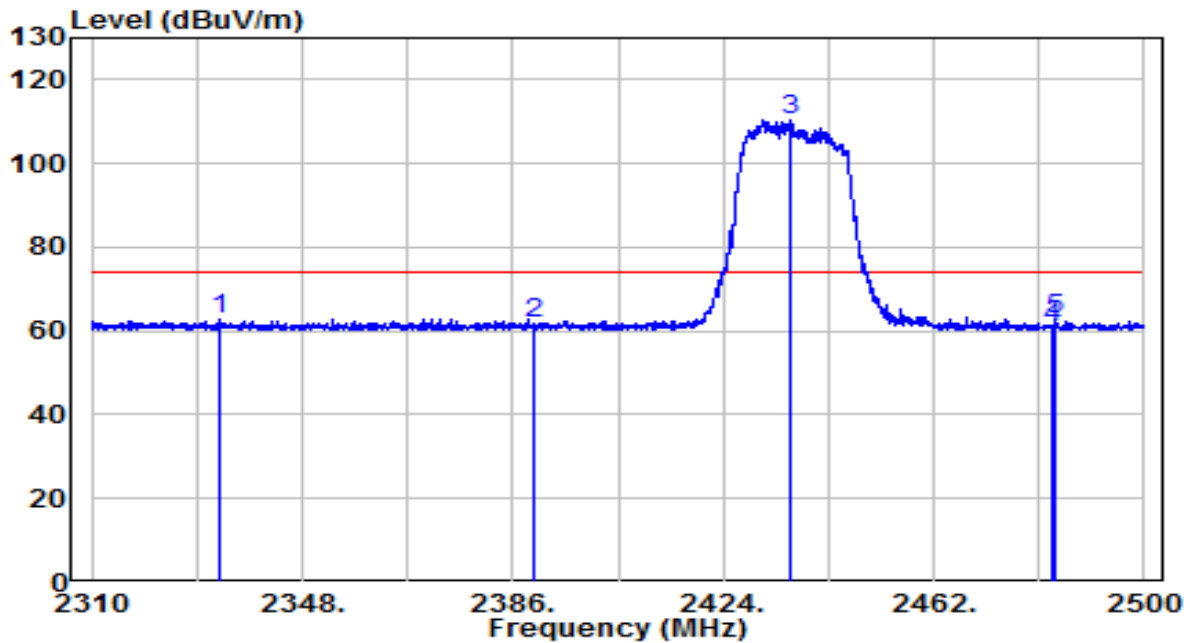


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2316.840	18.09	31.97	50.07	-3.93	54.00	AV
2	2390.000	17.64	32.30	49.94	-4.06	54.00	AV
3	2434.450	75.10	32.49	107.59	N/A	N/A	AV
4	* 2483.500	17.45	32.71	50.15	-3.85	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2437MHz	Test Voltage	110V/60Hz

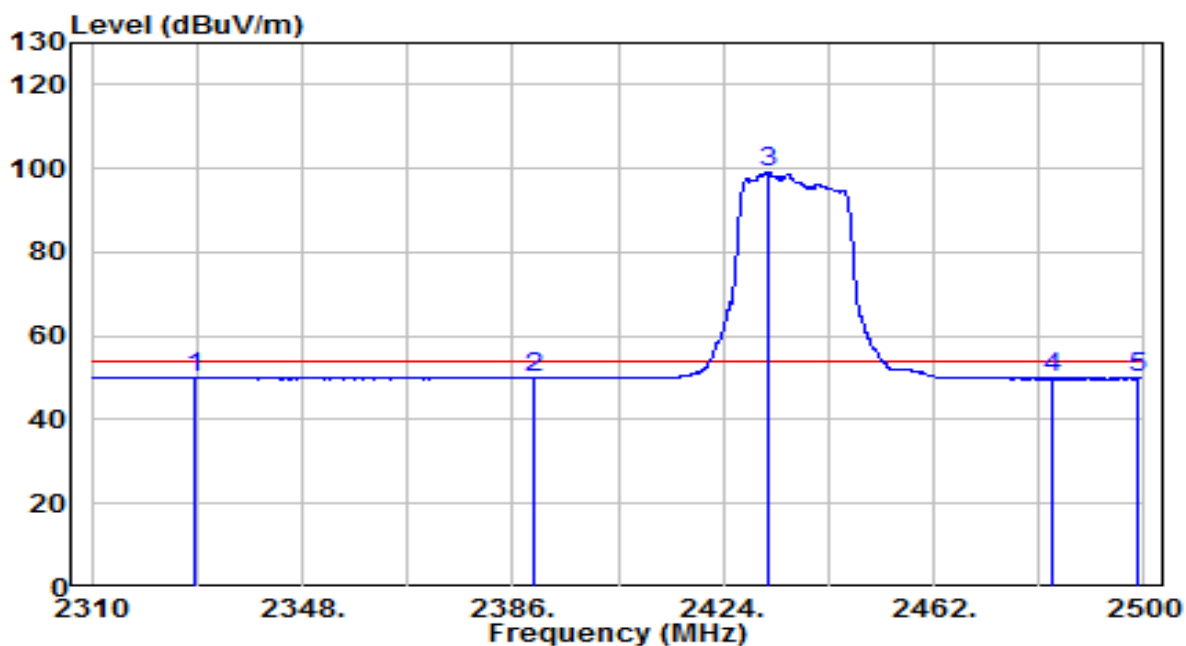


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2332.990	30.94	32.05	62.99	-11.01	74.00	PK
2		2390.000	29.32	32.30	61.62	-12.38	74.00	PK
3		2436.350	77.97	32.50	110.47	N/A	N/A	PK
4		2483.500	27.91	32.71	60.61	-13.39	74.00	PK
5		2483.945	29.96	32.71	62.67	-11.33	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2437MHz	Test Voltage	110V/60Hz

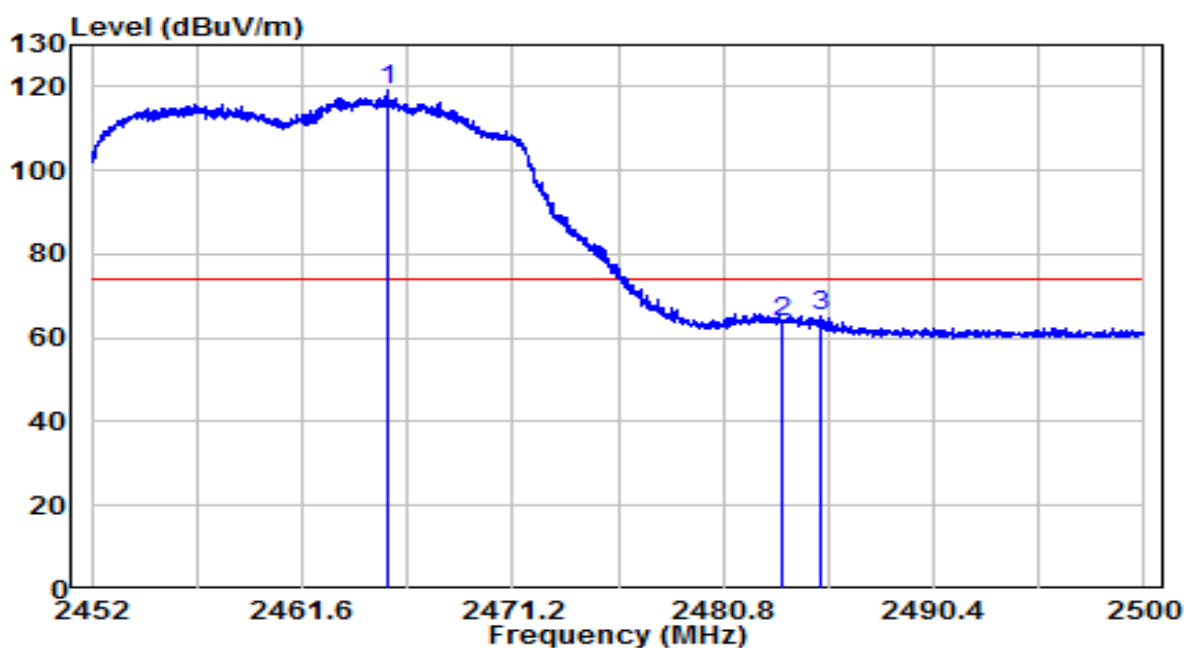


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2328.810	18.01	32.03	50.03	-3.97	54.00	AV
2		2390.000	17.58	32.30	49.87	-4.13	54.00	AV
3		2431.980	66.61	32.48	99.10	N/A	N/A	AV
4		2483.500	17.11	32.71	49.81	-4.19	54.00	AV
5		2498.765	17.17	32.77	49.95	-4.05	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

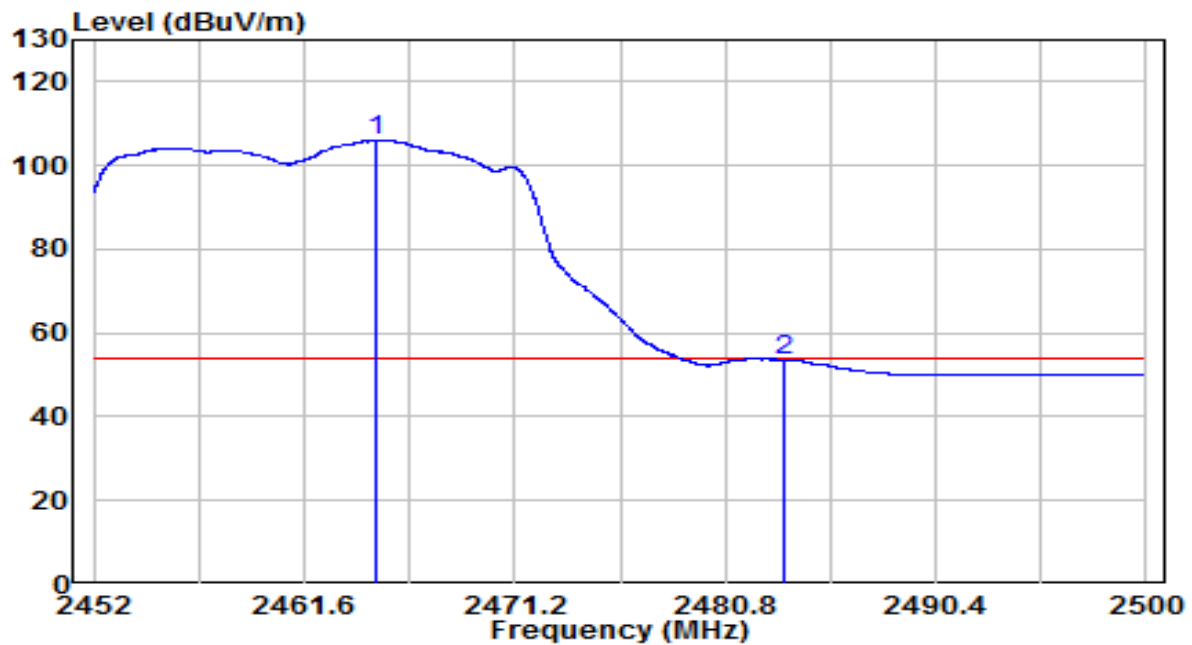


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2465.512	86.71	32.63	119.34	N/A	N/A	PK
2	2483.500	30.91	32.71	63.61	-10.39	74.00	PK
3	* 2485.192	32.66	32.71	65.37	-8.63	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

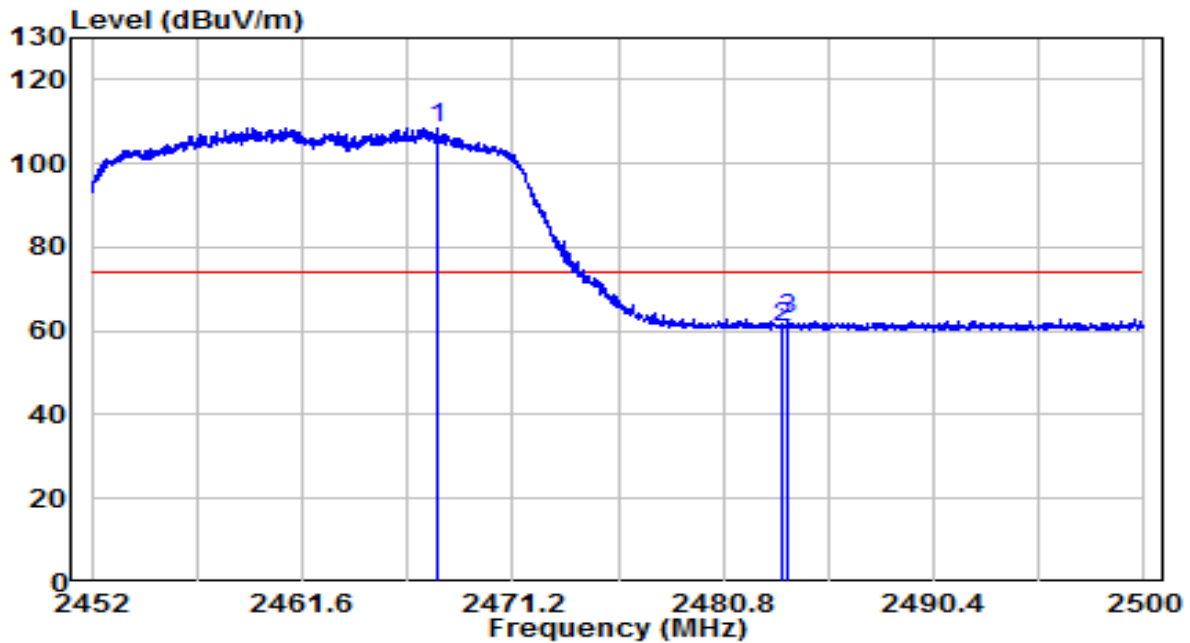


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1		2464.912	73.37	32.63	105.99	N/A	N/A	AV
2	*	2483.500	20.80	32.71	53.51	-0.49	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

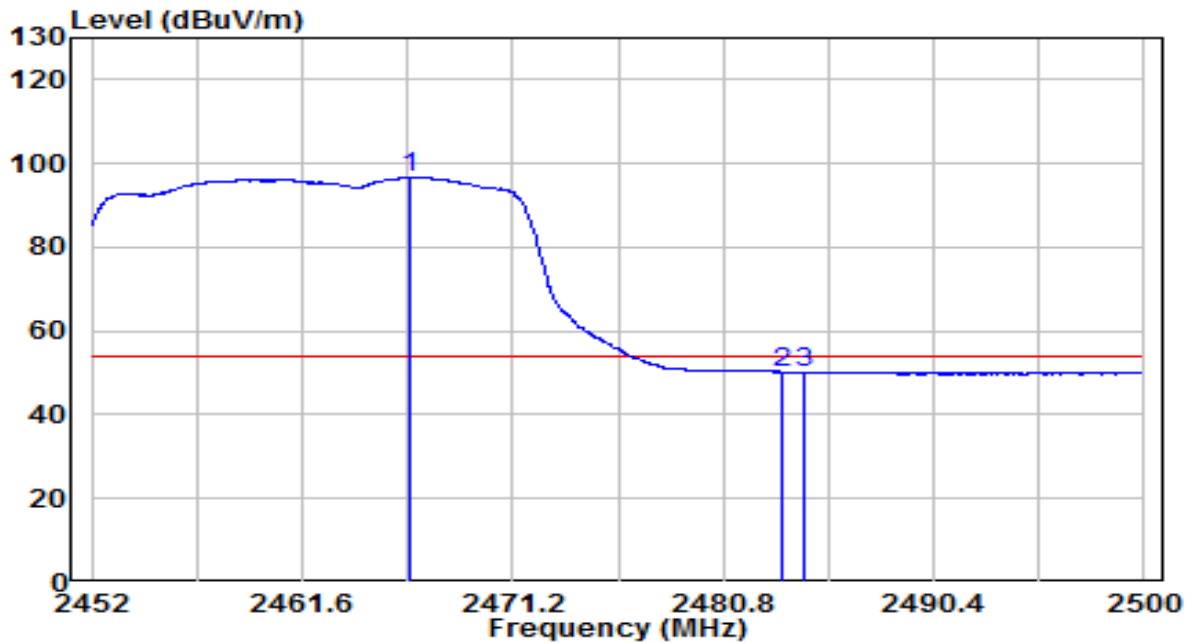


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2467.720	75.97	32.64	108.61	N/A	N/A	PK
2	2483.500	28.01	32.71	60.72	-13.28	74.00	PK
3	* 2483.752	30.00	32.71	62.71	-11.29	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

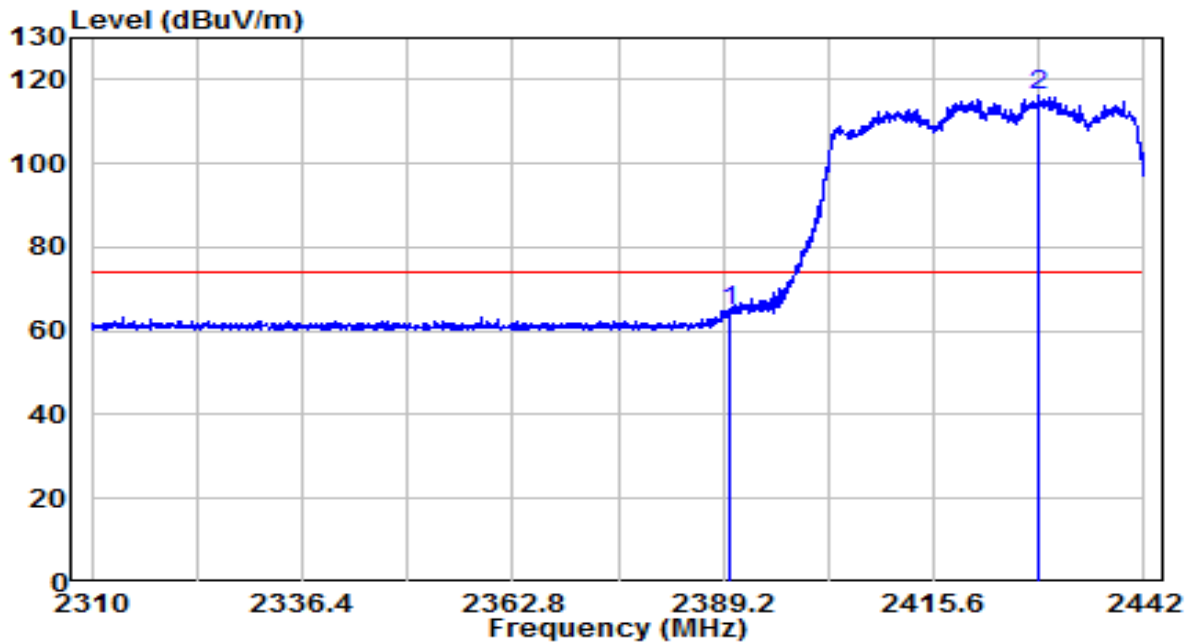


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2466.544	64.05	32.63	96.69	N/A	N/A	AV
2	2483.500	17.51	32.71	50.21	-3.79	54.00	AV
3	* 2484.496	17.57	32.71	50.28	-3.72	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	110V/60Hz

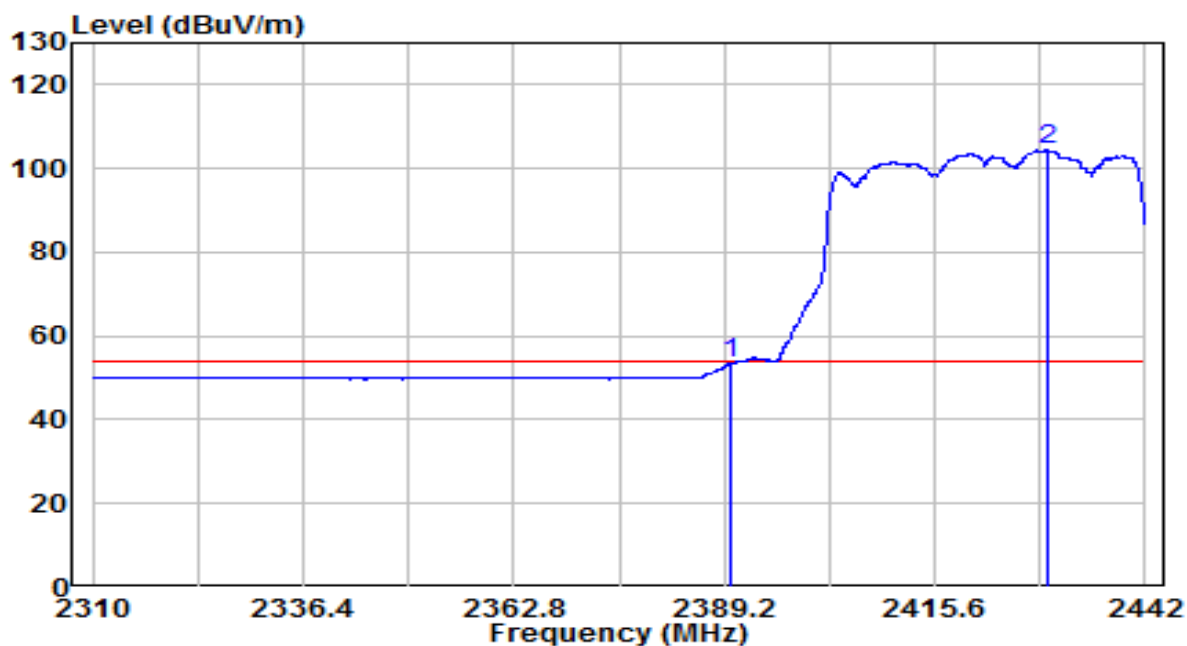


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	32.50	32.30	64.80	-9.20	74.00	PK
2		2428.866	84.02	32.47	116.48	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	110V/60Hz

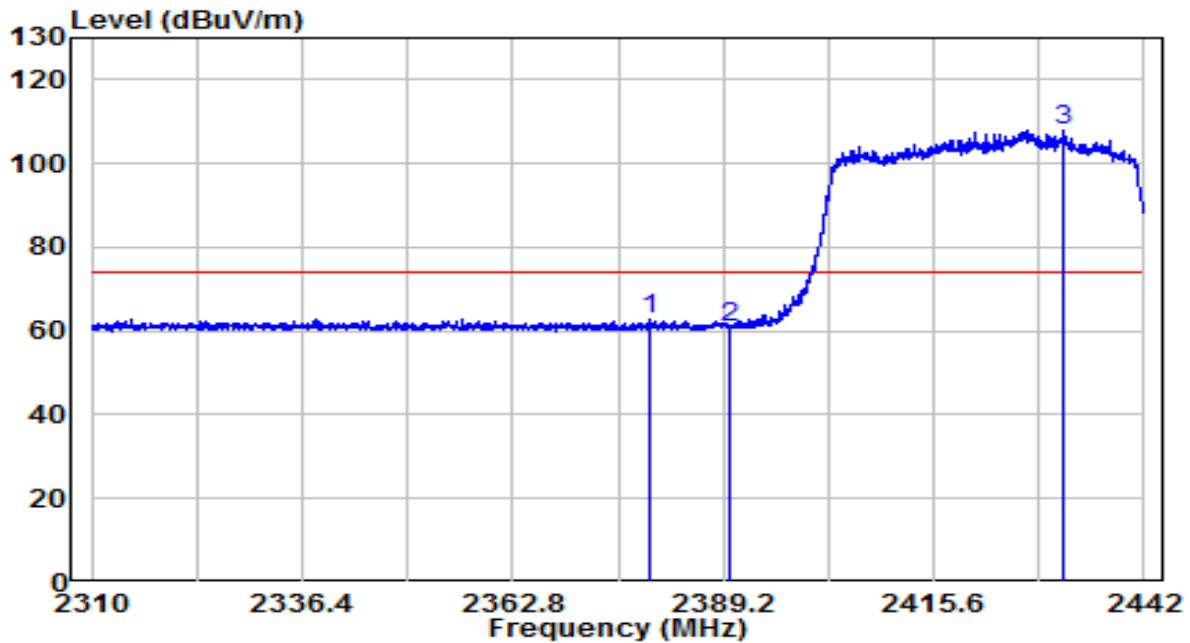


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	21.07	32.30	53.37	-0.63	54.00	AV
2		2429.790	71.95	32.47	104.42	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	110V/60Hz

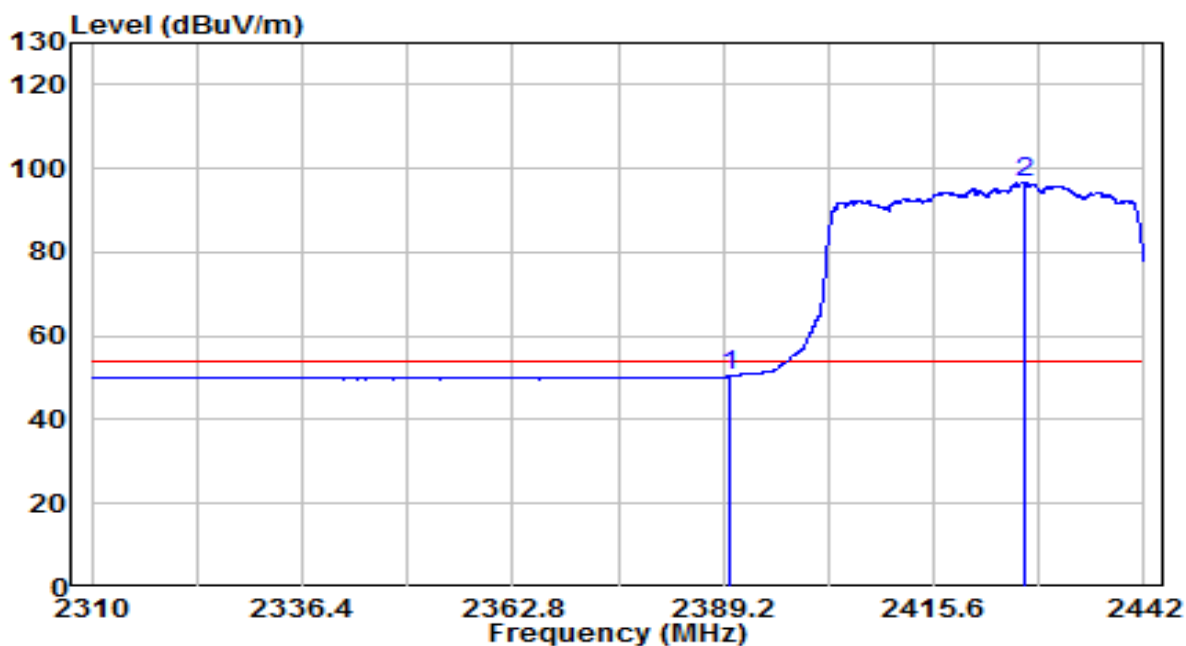


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2379.828	30.65	32.25	62.90	-11.10	74.00	PK
2		2390.000	28.64	32.30	60.94	-13.06	74.00	PK
3		2431.836	75.36	32.48	107.84	N/A	N/A	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2422MHz	Test Voltage	110V/60Hz

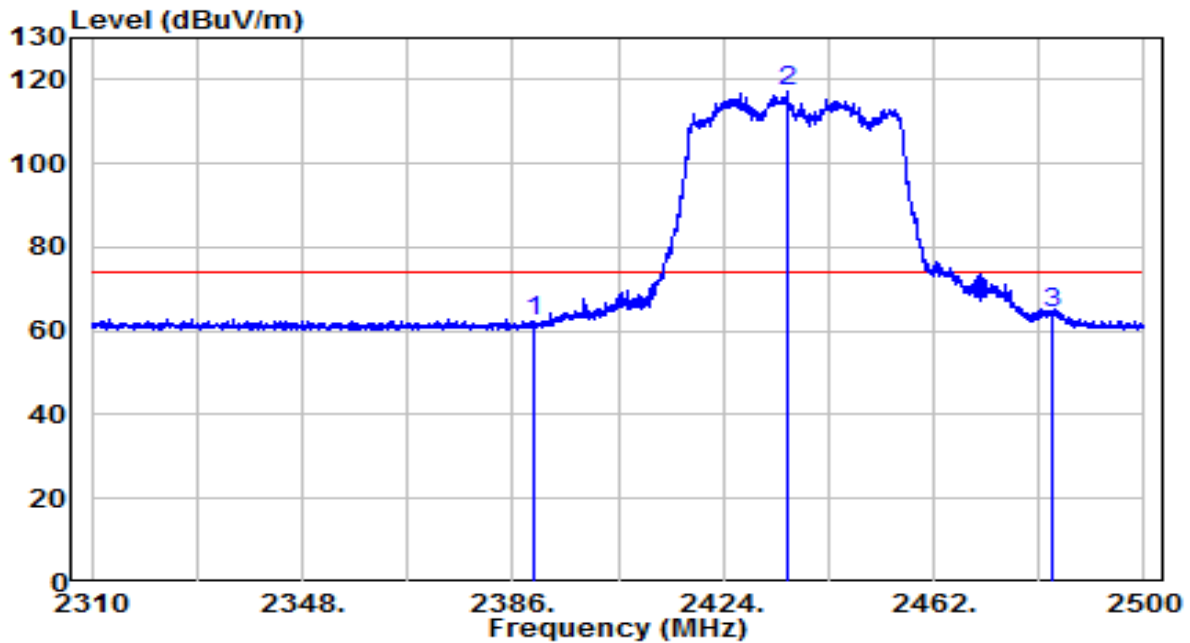


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	18.13	32.30	50.43	-3.57	54.00	AV
2		2427.018	64.34	32.46	96.80	N/A	N/A	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2437MHz	Test Voltage	110V/60Hz

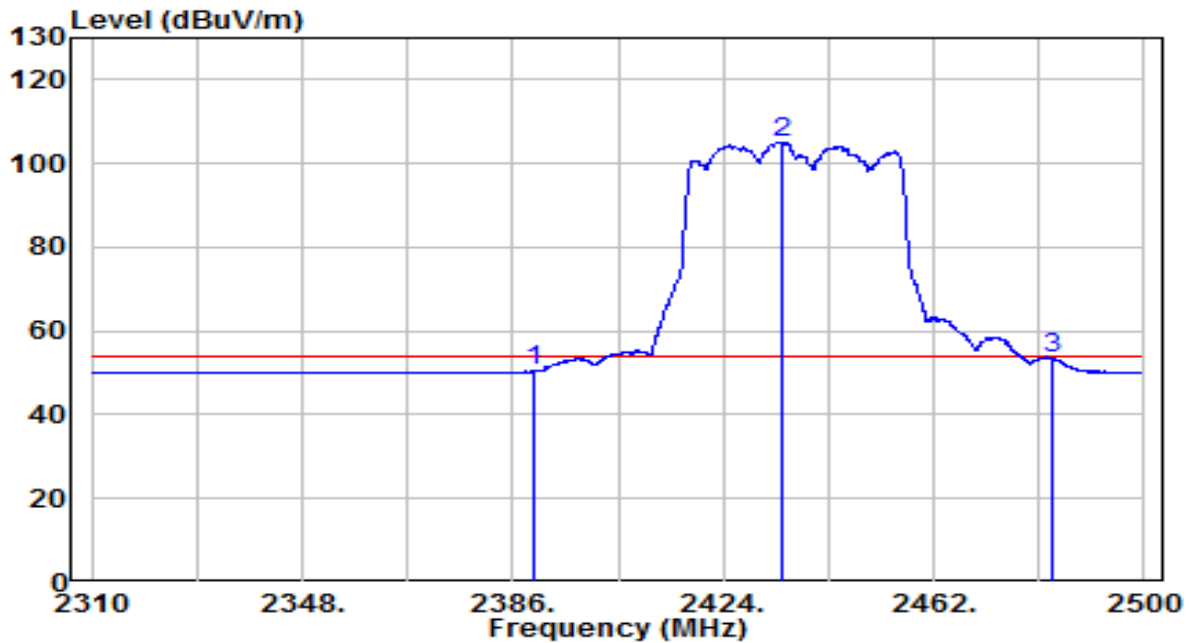


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	29.82	32.30	62.12	-11.88	74.00	PK
2	2435.495	84.85	32.50	117.34	N/A	N/A	PK
3	* 2483.500	31.73	32.71	64.44	-9.56	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2437MHz	Test Voltage	110V/60Hz

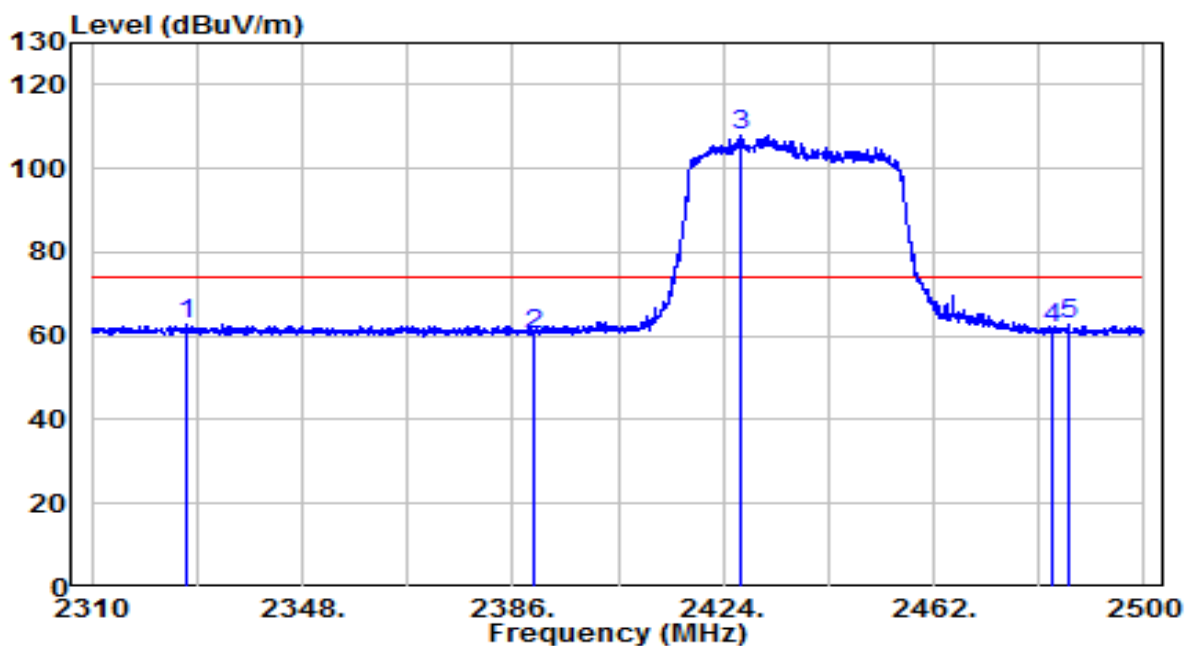


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2390.000	18.05	32.30	50.35	-3.65	54.00	AV
2	2434.735	72.65	32.49	105.14	N/A	N/A	AV
3	* 2483.500	20.75	32.71	53.46	-0.54	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2437MHz	Test Voltage	110V/60Hz

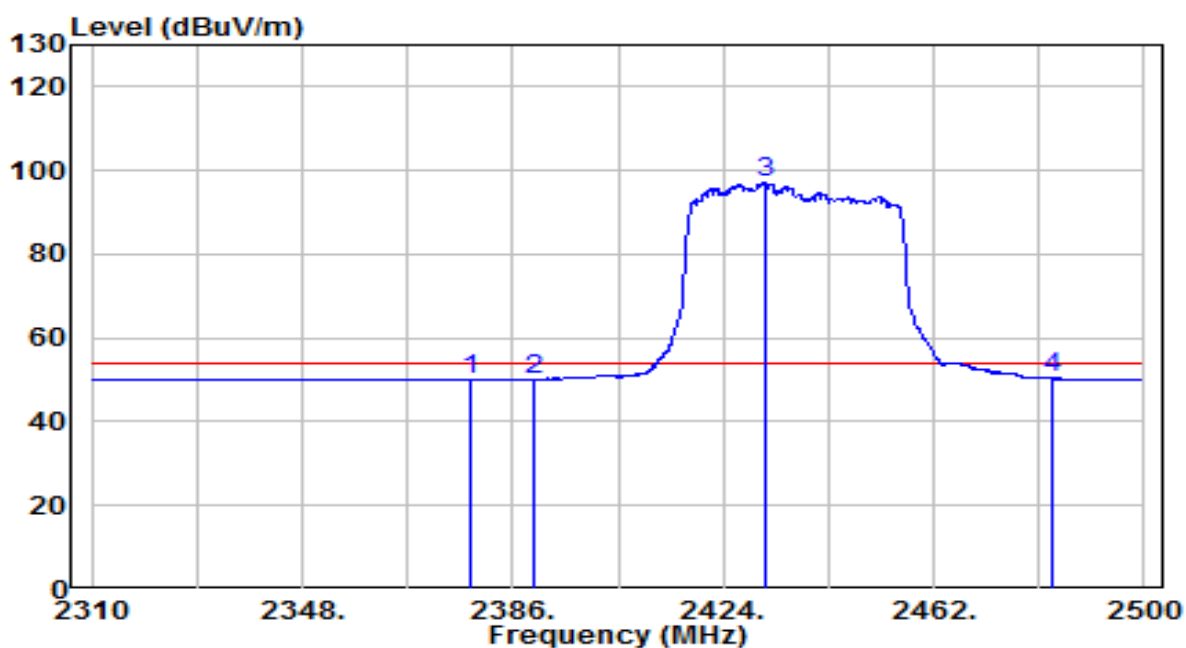


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2327.005	30.84	32.02	62.86	-11.14	74.00	PK
2		2390.000	28.16	32.30	60.46	-13.54	74.00	PK
3		2426.945	75.59	32.46	108.05	N/A	N/A	PK
4		2483.500	28.99	32.71	61.70	-12.30	74.00	PK
5		2486.510	30.10	32.72	62.82	-11.18	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2437MHz	Test Voltage	110V/60Hz

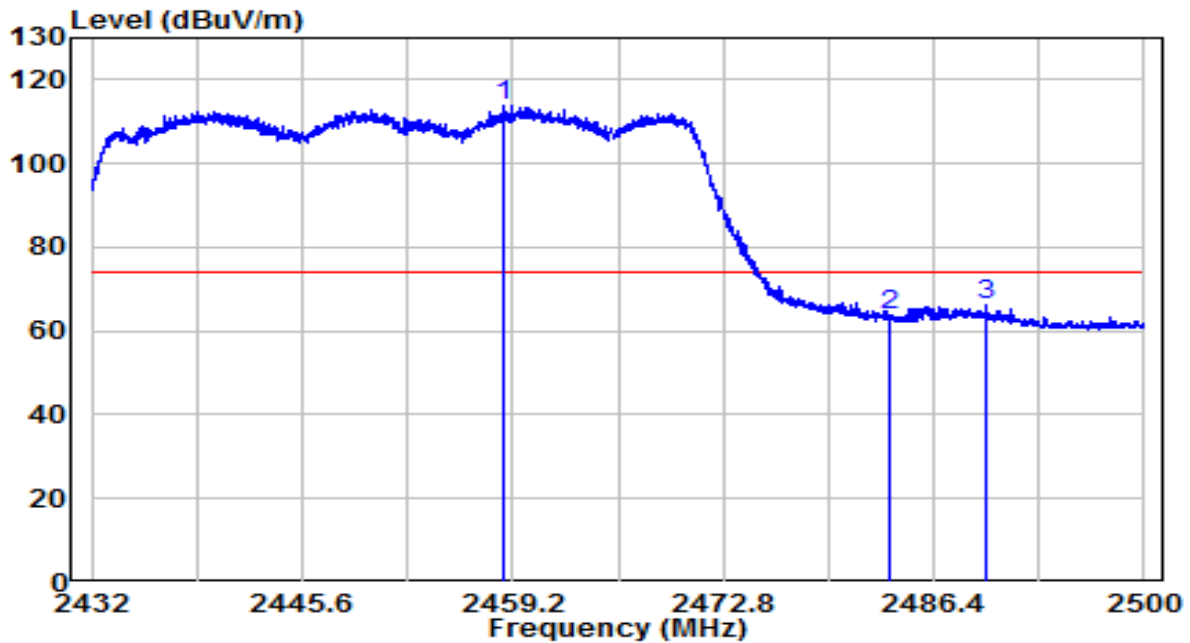


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2378.305	17.90	32.24	50.15	-3.85	54.00	AV
2	2390.000	17.76	32.30	50.06	-3.94	54.00	AV
3	2431.695	64.78	32.48	97.26	N/A	N/A	AV
4	* 2483.500	17.66	32.71	50.37	-3.63	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	110V/60Hz

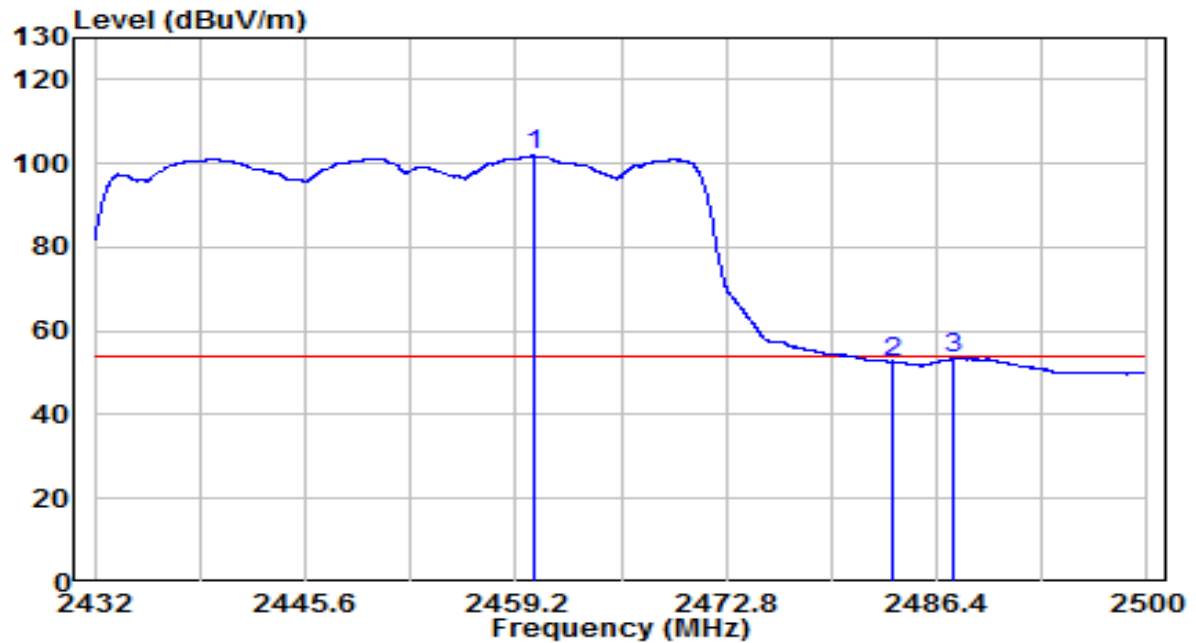


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2458.690	81.28	32.60	113.88	N/A	N/A	PK
2	2483.500	31.05	32.71	63.76	-10.24	74.00	PK
3	* 2489.800	33.63	32.74	66.36	-7.64	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	110V/60Hz

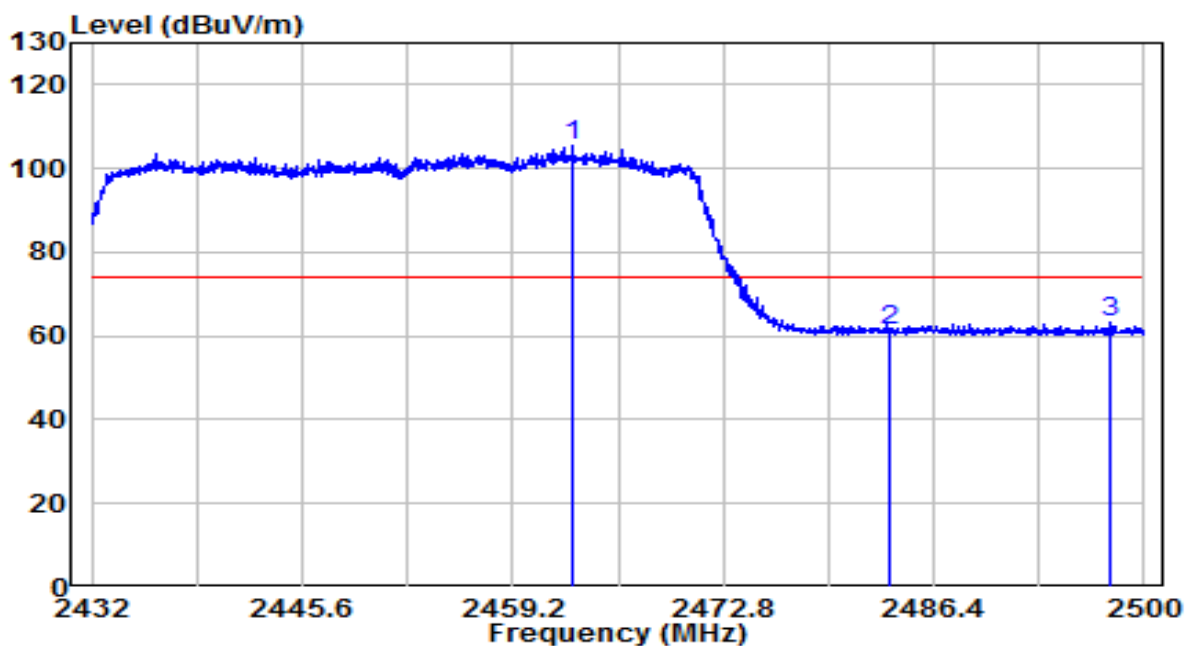


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2460.390	69.20	32.61	101.81	N/A	N/A	AV
2	2483.500	19.98	32.71	52.68	-1.32	54.00	AV
3	* 2487.386	20.71	32.72	53.43	-0.57	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	110V/60Hz

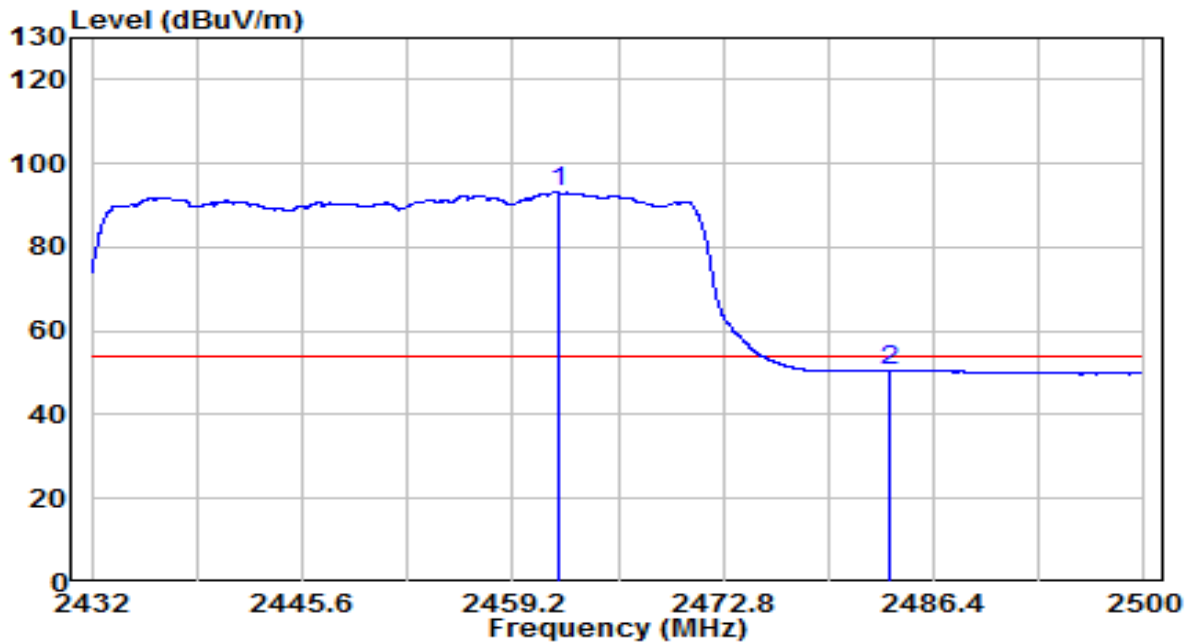


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2463.110	72.64	32.62	105.26	N/A	N/A	PK
2	2483.500	28.66	32.71	61.37	-12.63	74.00	PK
3	* 2497.756	30.44	32.77	63.21	-10.79	74.00	PK

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	ACCESS POINT	Date of Test	2021-03-05
Factor	BBHA 9120D	Temp. / Humidity	20.5°C/36%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE40 at Channel 2452MHz	Test Voltage	110V/60Hz



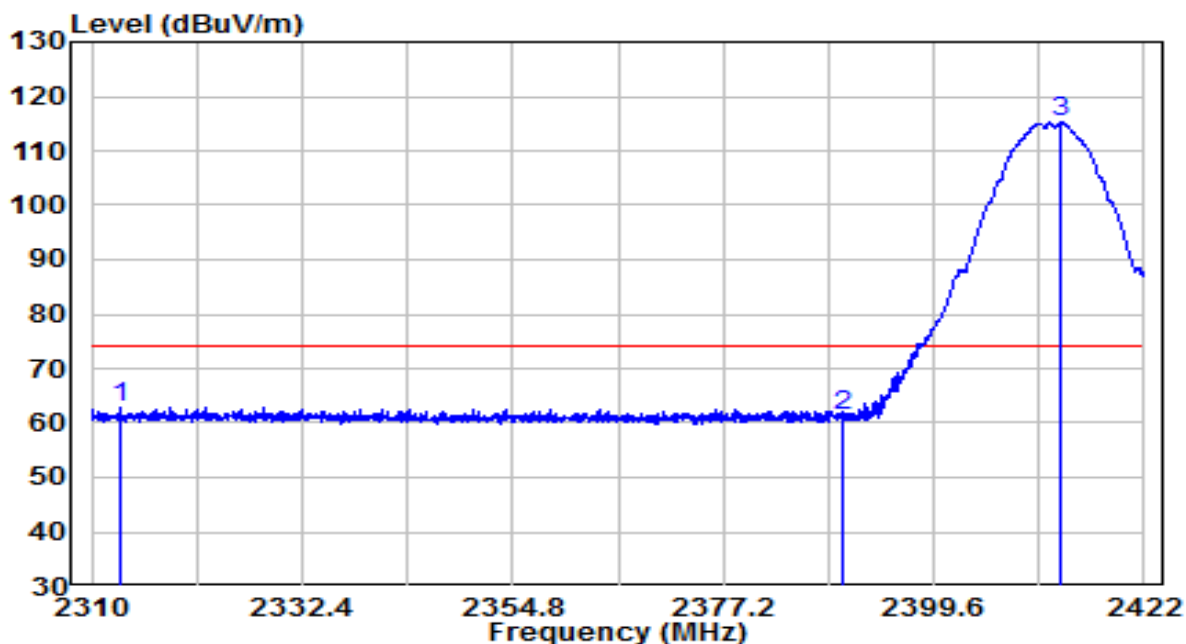
No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1		2462.192	60.43	32.61	93.04	N/A	N/A	AV
2	*	2483.500	17.85	32.71	50.56	-3.44	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Filter Configuration 2#

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

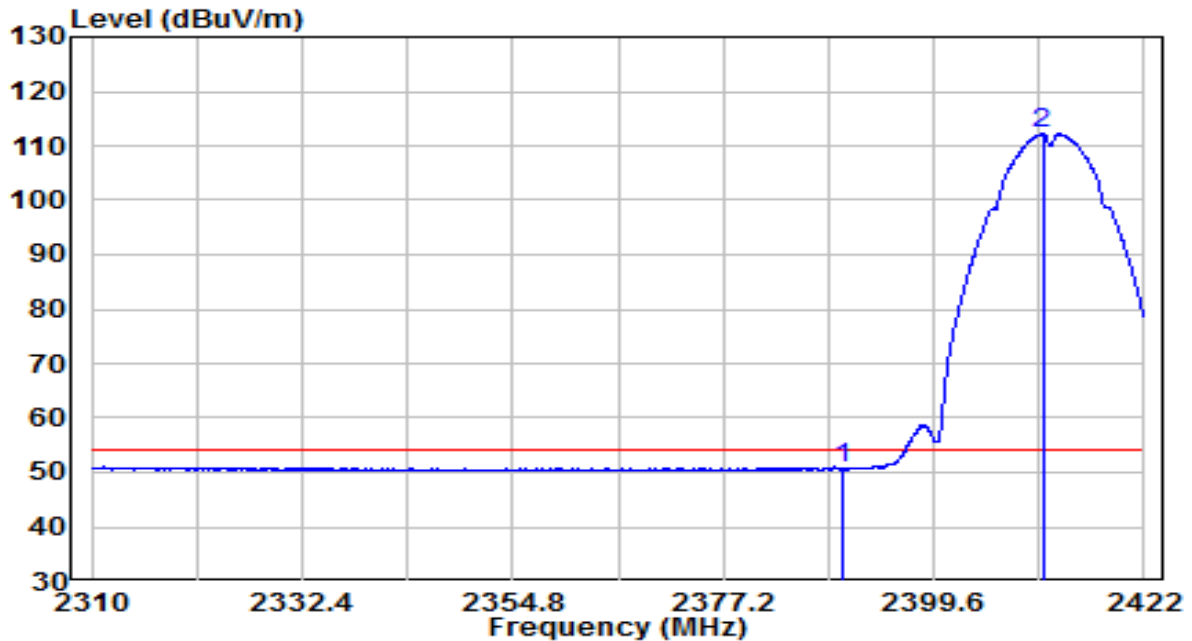


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2313.024	30.90	31.96	62.86	-11.14	74.00	Peak
2		2390.000	28.99	32.30	61.29	-12.71	74.00	Peak
3		2413.096	82.75	32.40	115.14	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 2#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

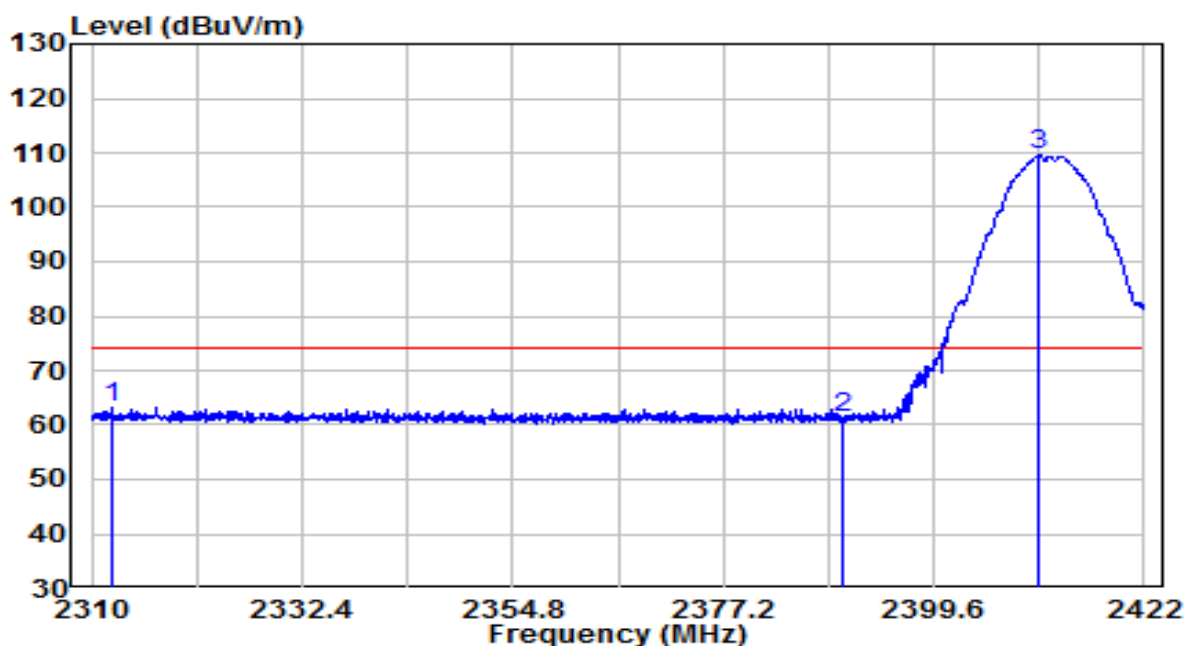


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	18.38	32.30	50.68	-3.32	54.00	Average
2		2411.192	79.77	32.39	112.16	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 2#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz

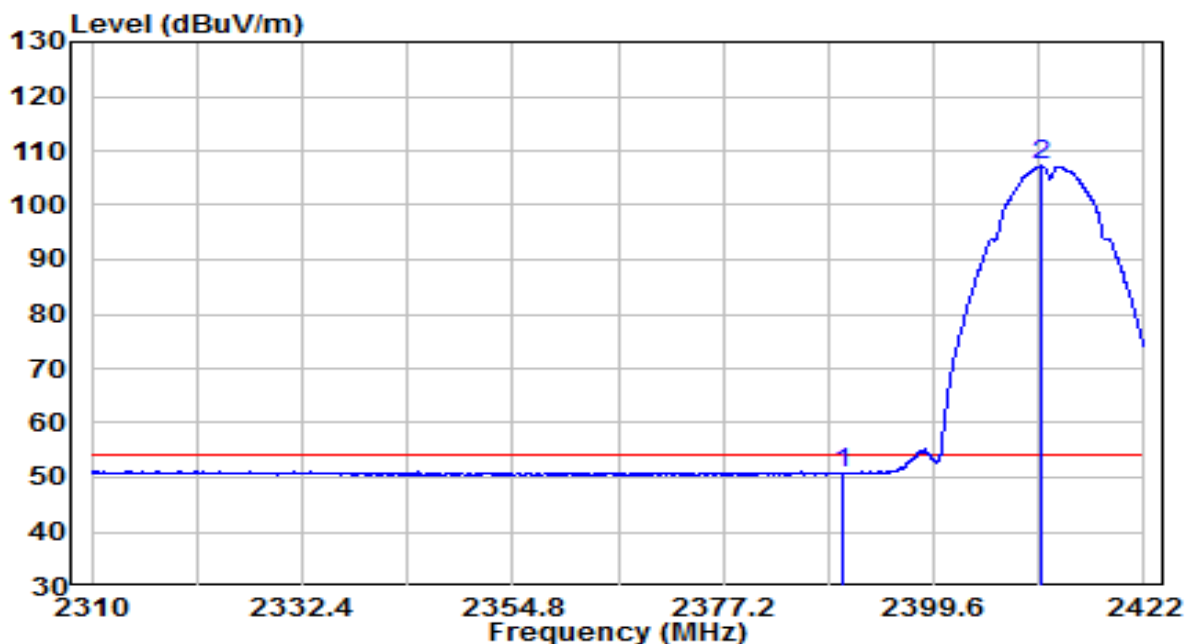


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2312.184	31.22	31.95	63.17	-10.83	74.00	Peak
2		2390.000	28.90	32.30	61.20	-12.80	74.00	Peak
3		2410.856	77.06	32.39	109.45	N/A	N/A	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 2#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-06
Factor	BBHA 9120D	Temp. / Humidity	23.2°C/33%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11b at Channel 2412MHz	Test Voltage	110V/60Hz



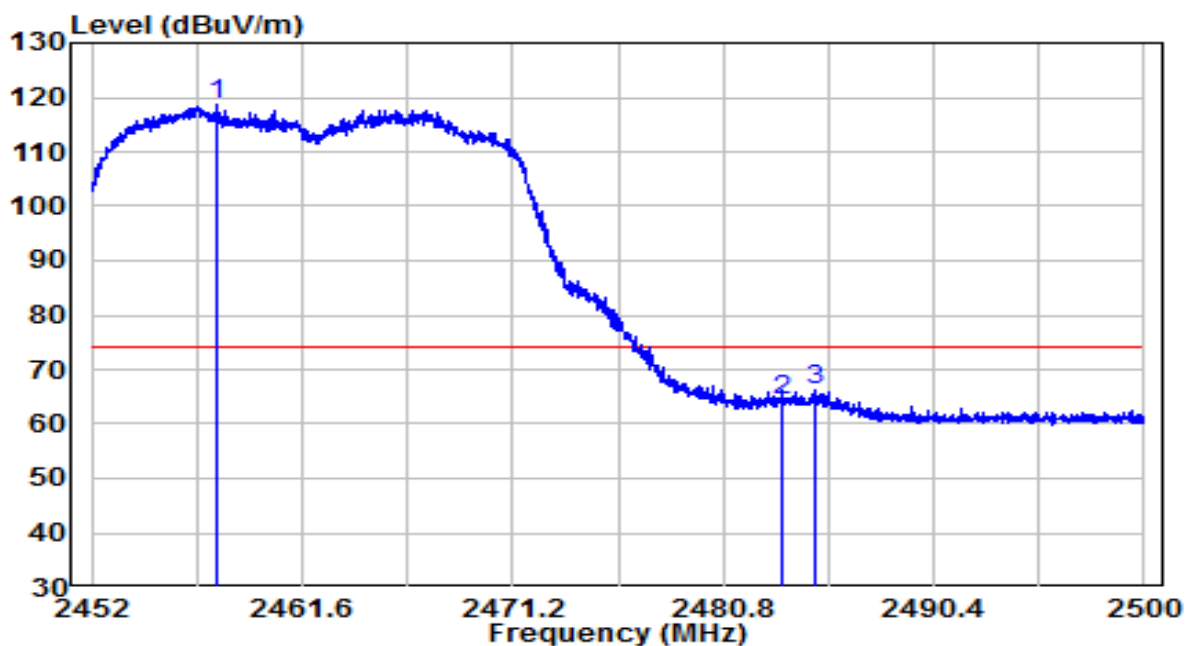
No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	2390.000	18.51	32.30	50.81	-3.19	54.00	Average
2		2411.136	74.89	32.39	107.27	N/A	N/A	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 2#, the worst case was performed in the report.

Filter Configuration 3#

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	23.5°C/38%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

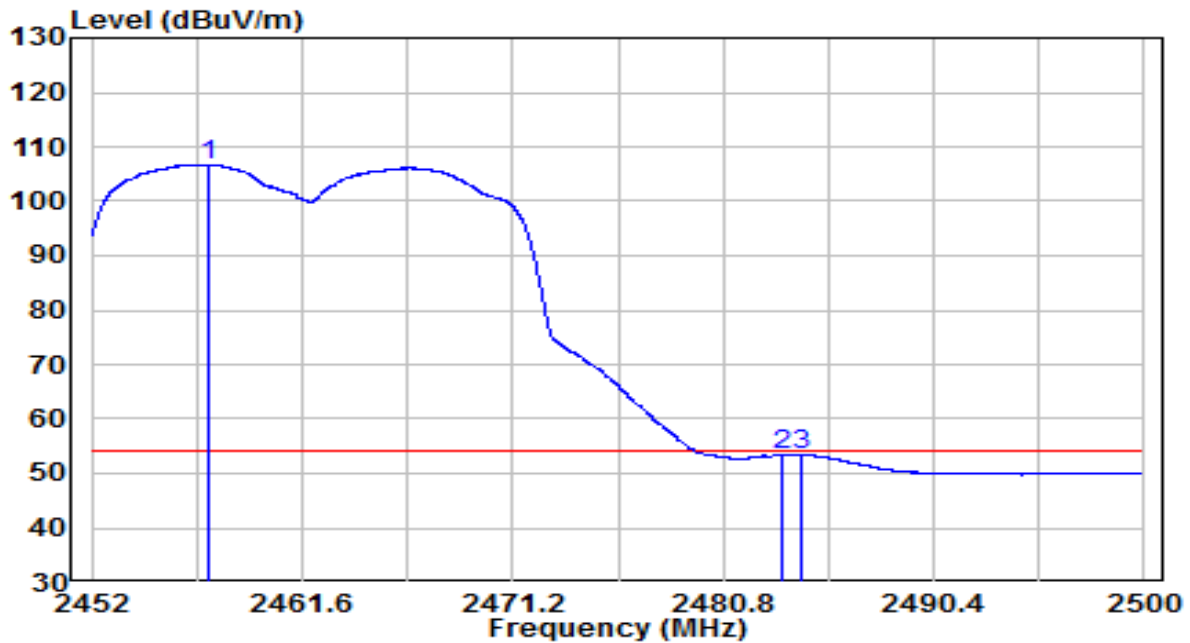


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2457.760	86.19	32.59	118.78	N/A	N/A	Peak
2	2483.500	31.56	32.71	64.27	-9.73	74.00	Peak
3	* 2485.024	33.36	32.71	66.08	-7.92	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 3#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	23.5°C/38%
Polarity	Horizontal	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

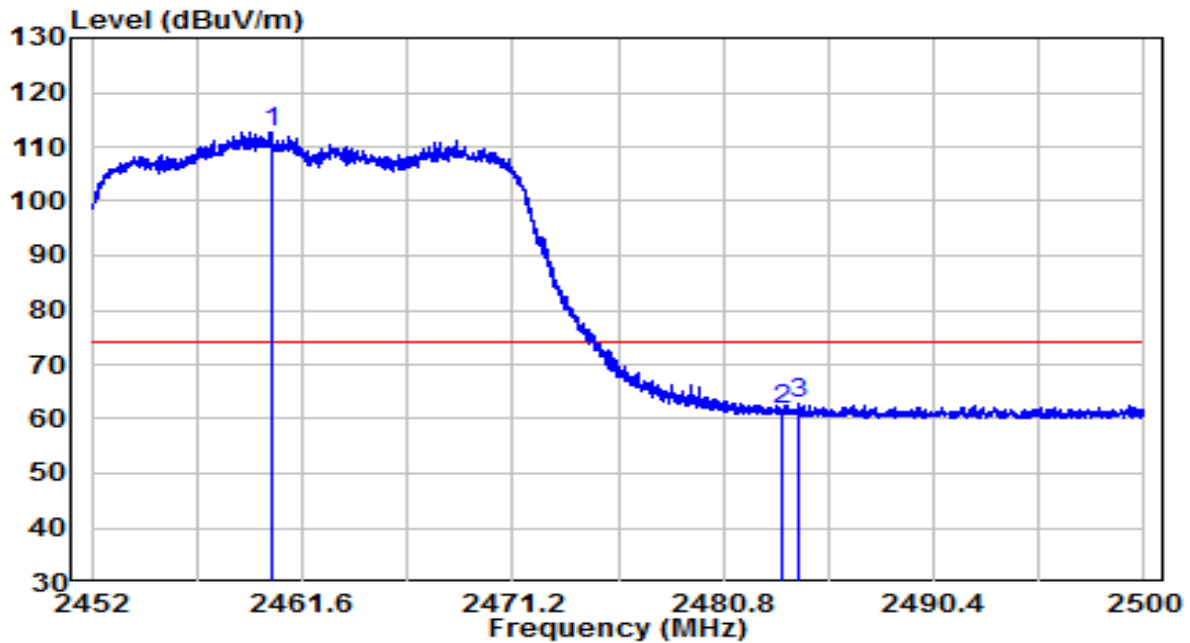


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2457.376	74.16	32.59	106.75	N/A	N/A	AV
2	2483.488	20.67	32.71	53.38	-0.62	54.00	AV
3	* 2484.400	20.78	32.71	53.49	-0.51	54.00	AV

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.
- For filter 3#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	23.5°C/38%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz

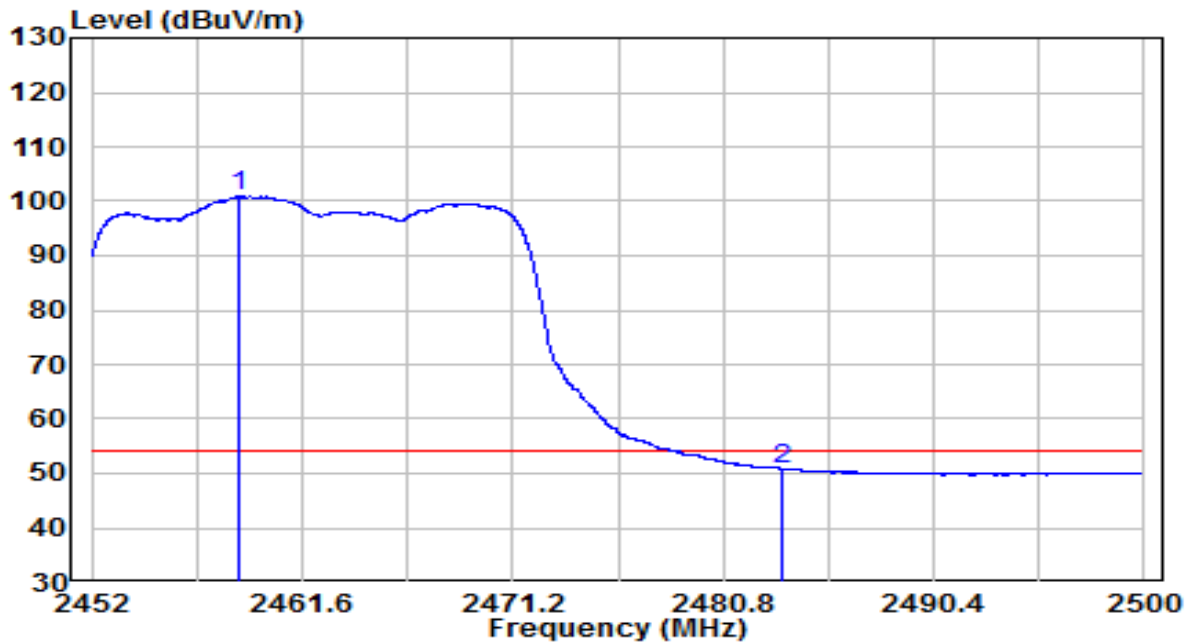


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	2460.184	80.18	32.60	112.79	N/A	N/A	Peak
2	2483.500	28.85	32.71	61.55	-12.45	74.00	Peak
3	* 2484.184	30.05	32.71	62.76	-11.24	74.00	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 3#, the worst case was performed in the report.

EUT	ACCESS POINT	Date of Test	2021-05-08
Factor	BBHA 9120D	Temp. / Humidity	23.5°C/38%
Polarity	Vertical	Site / Test Engineer	AC1 / Jay Chu
Test Mode	Transmit by 802.11ax-HE20 at Channel 2462MHz	Test Voltage	110V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1		2458.768	68.27	32.60	100.86	N/A	N/A	AV
2	*	2483.500	18.19	32.71	50.90	-3.10	54.00	AV

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB)
3. Measurement(dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.
5. For filter 3#, the worst case was performed in the report.

5.7. 佔用頻道寬度

5.7.1. 適用標準

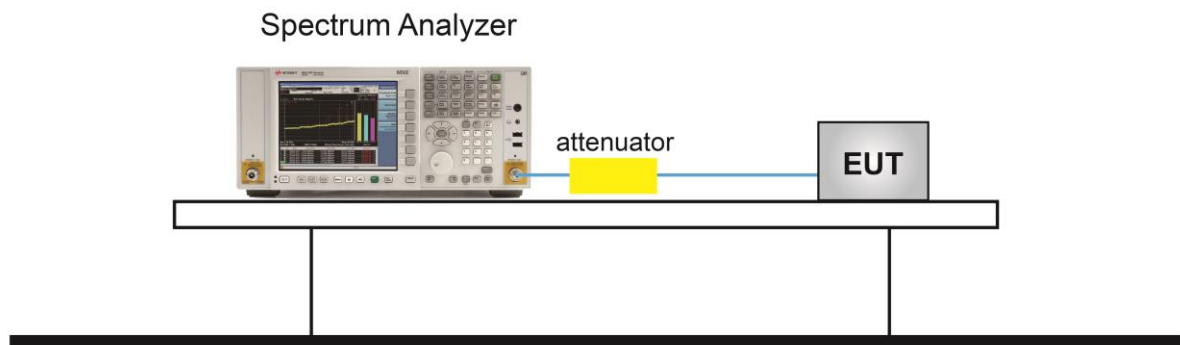
依據國家通訊傳播委員會低功率射頻器材技術規範之第 4.10.1.6(2)(A)節之要求，6dB 頻寬至少應有 500kHz。

5.7.2. 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，設定頻譜分析儀之解析度頻寬為 100kHz，視訊頻寬不小於解析度頻寬，頻率掃瞄範圍(SPAN)遠大於解析度頻寬。

待測物應在正常發射狀態下量測。

5.7.3. 測試架構圖



5.7.4. 佔用頻帶寬度測試結果

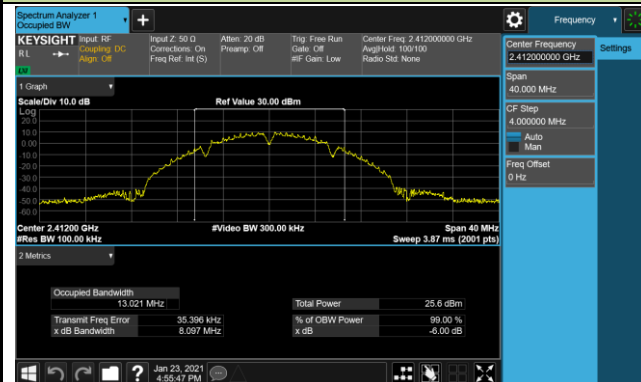
待測物名稱	ACCESS POINT	溫度	25°C
測試工程師	Eric Lin	濕度	54%
測試場地	SR2	測試日期	2021/01/23

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1 / Ant 0 + 1						
802.11b	1Mbps	01	2412	8.10	≥ 0.5	Pass
802.11b	1Mbps	06	2437	7.56	≥ 0.5	Pass
802.11b	1Mbps	11	2462	7.58	≥ 0.5	Pass
802.11g	6Mbps	01	2412	16.29	≥ 0.5	Pass
802.11g	6Mbps	06	2437	16.36	≥ 0.5	Pass
802.11g	6Mbps	11	2462	15.62	≥ 0.5	Pass
802.11n-HT20	MCS0	01	2412	16.66	≥ 0.5	Pass
802.11n-HT20	MCS0	06	2437	16.08	≥ 0.5	Pass
802.11n-HT20	MCS0	11	2462	17.20	≥ 0.5	Pass
802.11n-HT40	MCS0	03	2422	33.19	≥ 0.5	Pass
802.11n-HT40	MCS0	06	2437	35.00	≥ 0.5	Pass
802.11n-HT40	MCS0	09	2452	36.42	≥ 0.5	Pass
802.11ax-HE20	MCS0	01	2412	17.97	≥ 0.5	Pass
802.11ax-HE20	MCS0	06	2437	17.52	≥ 0.5	Pass
802.11ax-HE20	MCS0	11	2462	17.96	≥ 0.5	Pass
802.11ax-HE40	MCS0	03	2422	37.80	≥ 0.5	Pass
802.11ax-HE40	MCS0	06	2437	37.72	≥ 0.5	Pass
802.11ax-HE40	MCS0	09	2452	37.07	≥ 0.5	Pass

Note: When EUT duty cycle ≤ 98%, Total AVGPDS = $10 \cdot \log \{10^{(\text{Ant 0 AVGPDS}/10)} + 10^{(\text{Ant 1 AVGPDS}/10)}\} + 10 \cdot \log (1/\text{Duty Cycle})$.

802.11b 6dB Bandwidth - Ant 1 / Ant 0 + 1

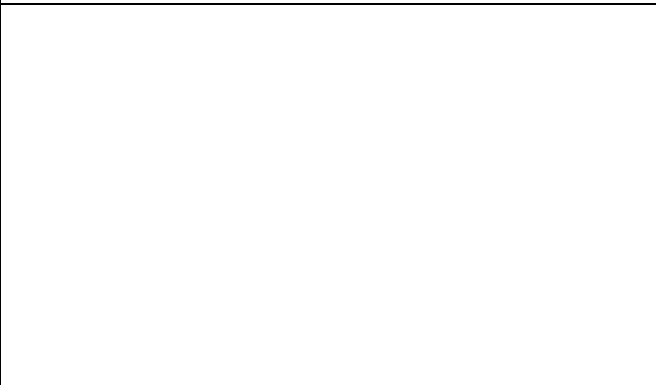
Channel 01 (2412MHz)



Channel 06 (2437MHz)

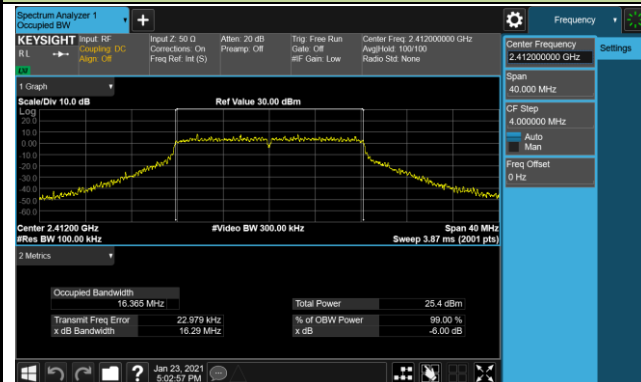


Channel 11 (2462MHz)

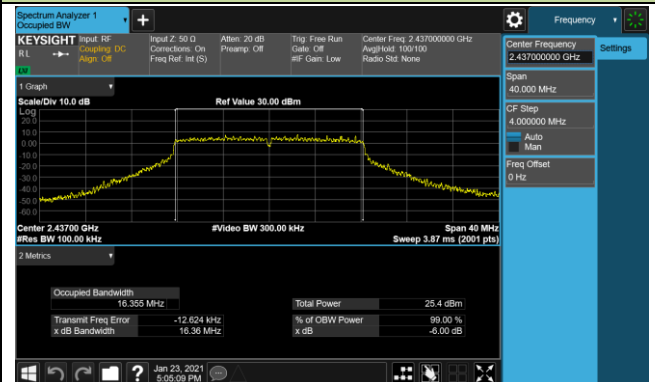


802.11g 6dB Bandwidth - Ant 1 / Ant 0 + 1

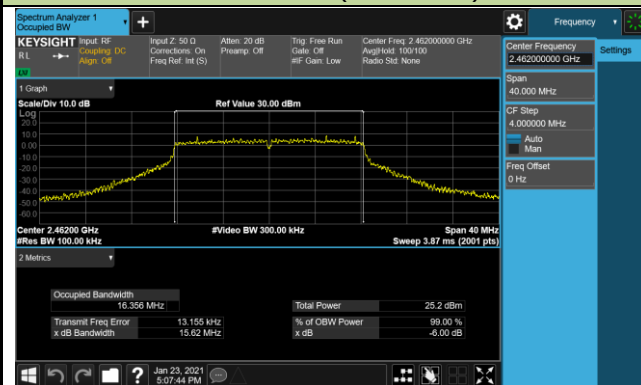
Channel 01 (2412MHz)



Channel 06 (2437MHz)

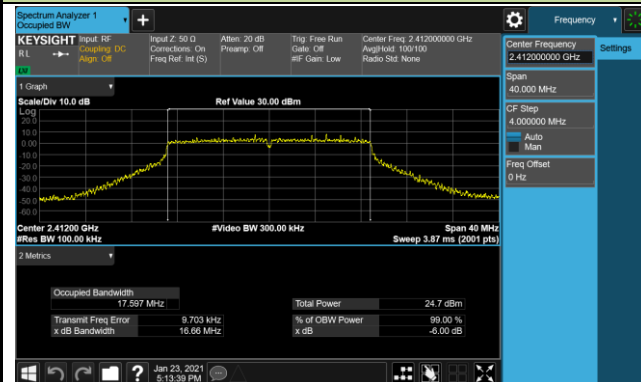


Channel 11 (2462MHz)

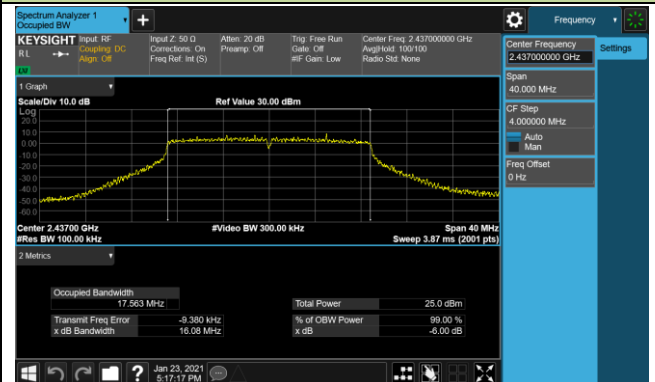


802.11n-HT20 6dB Bandwidth - Ant 1 / Ant 0 + 1

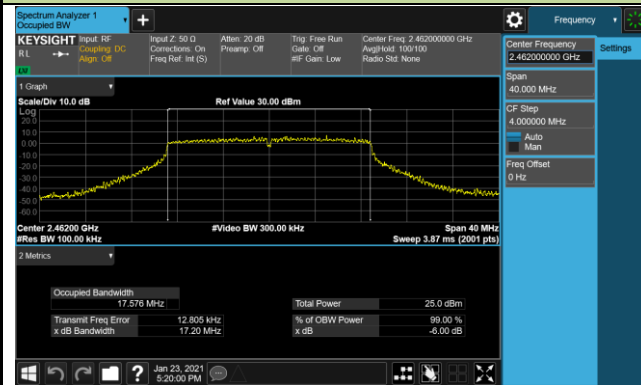
Channel 01 (2412MHz)



Channel 06 (2437MHz)

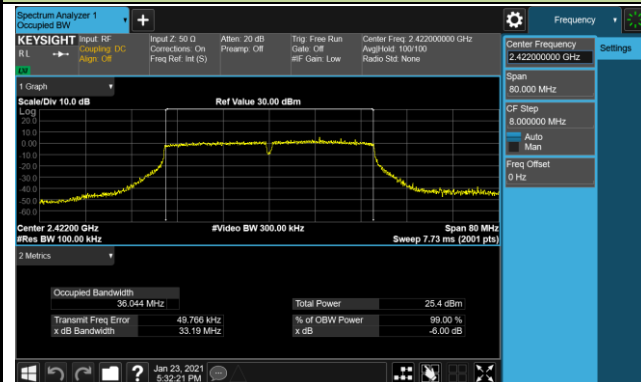


Channel 11 (2462MHz)

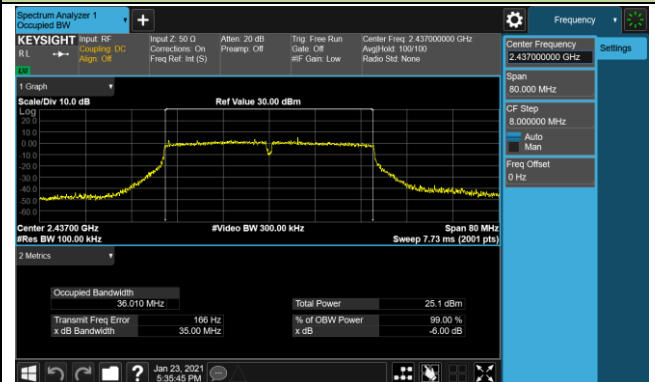


802.11n-HT40 6dB Bandwidth - Ant 1 / Ant 0 + 1

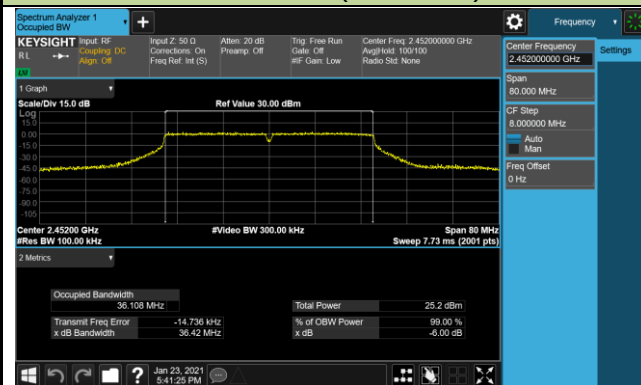
Channel 03 (2422MHz)



Channel 06 (2437MHz)

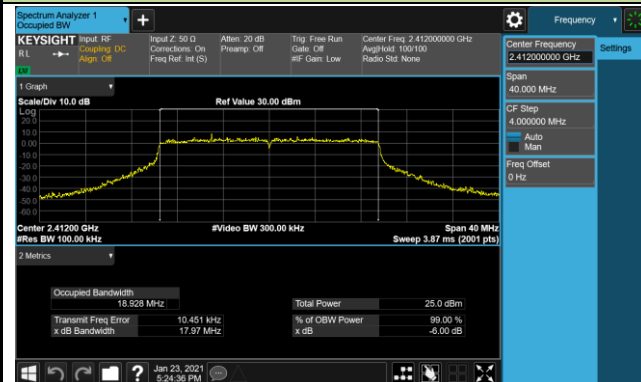


Channel 09 (2452MHz)

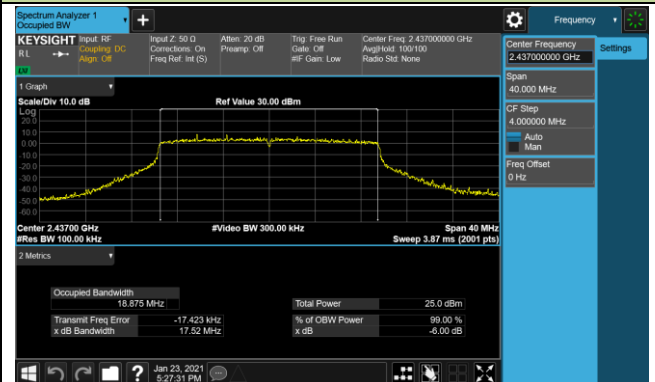


802.11ax-HE20 6dB Bandwidth - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)

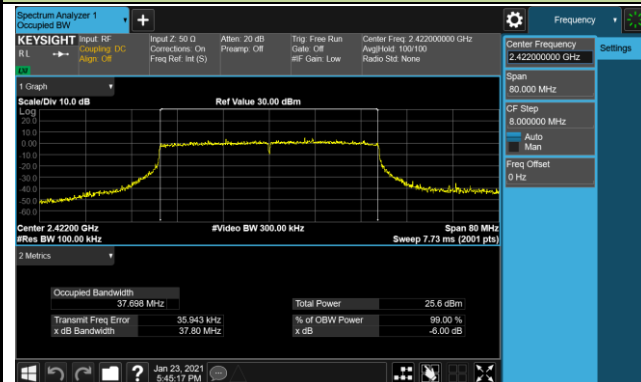


Channel 11 (2462MHz)

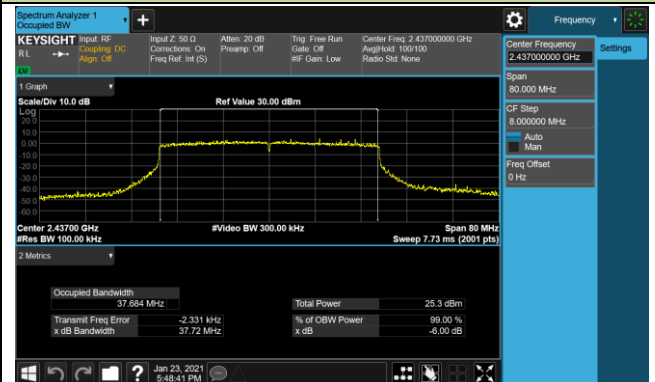


802.11ax-HE40 6dB Bandwidth - Ant 1 / Ant 0 + 1

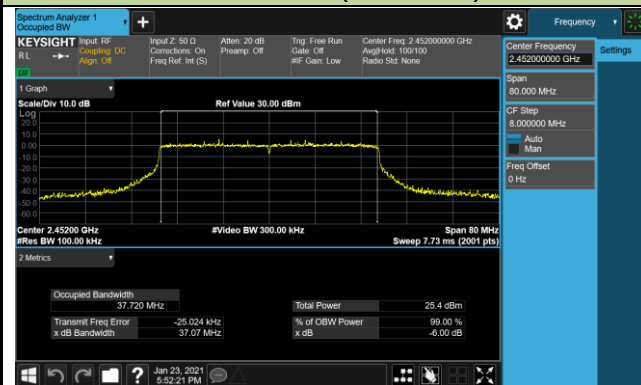
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



5.8. 發射電功率密度

5.8.1. 適用標準

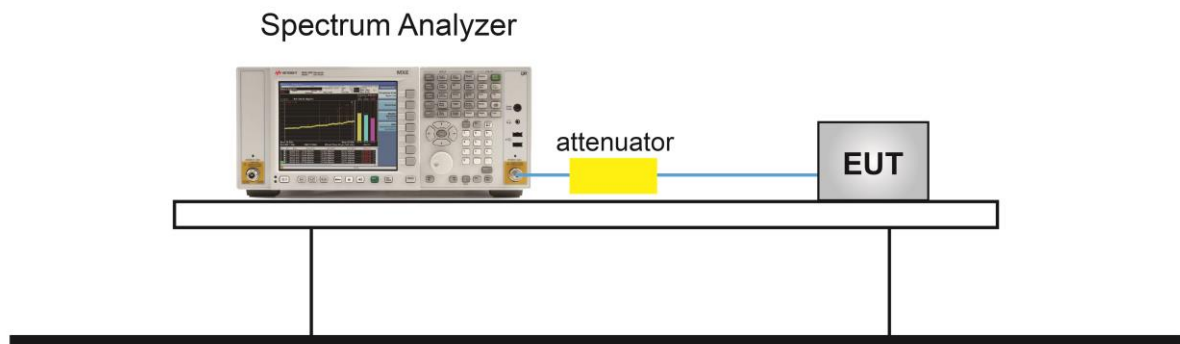
依據國家通訊傳播委員會低功率射頻器材技術規範之第 4.10.1.6(2)(B)節，在使用頻率範圍之任意 3 千赫(kHz)頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm。

5.8.2. 量測方法

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

待測物應在正常發射狀態下量測。

5.8.3. 測試架構圖



5.8.4. 功率密度量測結果

待測物名稱	ACCESS POINT	溫度	25°C
測試工程師	Eric Lin	濕度	54%
測試場地	SR2	測試日期	2021/01/23
測試項目	Power Spectral Density	測試模式	CDD Mode

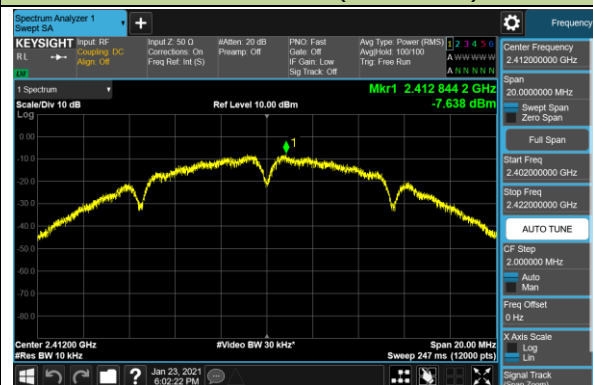
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/10kHz)	Ant 1 PSD (dBm/10kHz)	Duty Cycle (%)	10*log (1/x)	Total PSD (dBm/10kHz)	Limit (dBm/3kHz)	Result
802.11b	1Mbps	01	2412	-7.64	-7.56	64.69	1.89	-2.70	≤ 8.00	Pass
802.11b	1Mbps	06	2437	-7.38	-7.33	64.69	1.89	-2.45	≤ 8.00	Pass
802.11b	1Mbps	11	2462	-7.76	-8.29	64.69	1.89	-3.12	≤ 8.00	Pass
802.11g	6Mbps	01	2412	-9.70	-9.93	92.29	0.35	-6.45	≤ 8.00	Pass
802.11g	6Mbps	06	2437	-9.73	-9.50	92.29	0.35	-6.25	≤ 8.00	Pass
802.11g	6Mbps	11	2462	-9.86	-9.76	92.29	0.35	-6.45	≤ 8.00	Pass
802.11n-HT20	MCS0	01	2412	-11.20	-11.10	95.01	0.22	-7.92	≤ 8.00	Pass
802.11n-HT20	MCS0	06	2437	-10.71	-10.30	95.01	0.22	-7.27	≤ 8.00	Pass
802.11n-HT20	MCS0	11	2462	-10.87	-10.71	95.01	0.22	-7.56	≤ 8.00	Pass
802.11n-HT40	MCS0	03	2422	-14.03	-14.06	90.38	0.44	-10.59	≤ 8.00	Pass
802.11n-HT40	MCS0	06	2437	-13.59	-13.38	90.38	0.44	-10.03	≤ 8.00	Pass
802.11n-HT40	MCS0	09	2452	-16.11	-16.16	90.38	0.44	-12.68	≤ 8.00	Pass
802.11ax-HE20	MCS0	01	2412	-12.17	-12.07	93.94	0.27	-8.84	≤ 8.00	Pass
802.11ax-HE20	MCS0	06	2437	-11.68	-11.78	93.94	0.27	-8.45	≤ 8.00	Pass
802.11ax-HE20	MCS0	11	2462	-11.71	-11.94	93.94	0.27	-8.54	≤ 8.00	Pass
802.11ax-HE40	MCS0	03	2422	-15.28	-14.99	92.64	0.33	-11.79	≤ 8.00	Pass
802.11ax-HE40	MCS0	06	2437	-14.70	-14.67	92.64	0.33	-11.34	≤ 8.00	Pass
802.11ax-HE40	MCS0	09	2452	-17.53	-17.67	92.64	0.33	-14.26	≤ 8.00	Pass

Note: For 802.11b/g/n, When EUT duty cycle ≤ 98%, Total AVGPSPD = $10^{\log \{10^{(\text{Ant 0 AVGPSPD}/10)} + 10^{(\text{Ant 1 AVGPSPD}/10)}\}} + 10^{\log (1/\text{Duty Cycle})}$.

待測物名稱	ACCESS POINT	溫度	25°C
測試工程師	Eric Lin	濕度	54%
測試場地	SR2	測試日期	2021/01/23
測試項目	Power Spectral Density	測試模式	CDD Mode

802.11b AVGPSPD - Ant 0 / Ant 0 + 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)

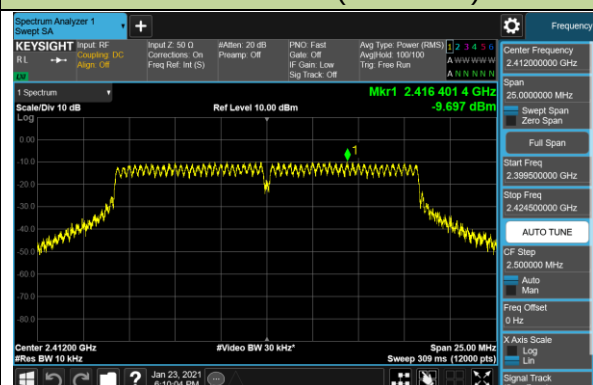


Channel 11 (2462MHz)



802.11g AVGPSPD - Ant 0 / Ant 0 + 1

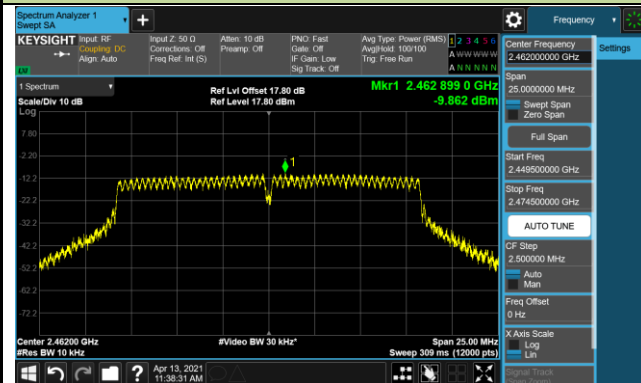
Channel 01 (2412MHz)



Channel 06 (2437MHz)

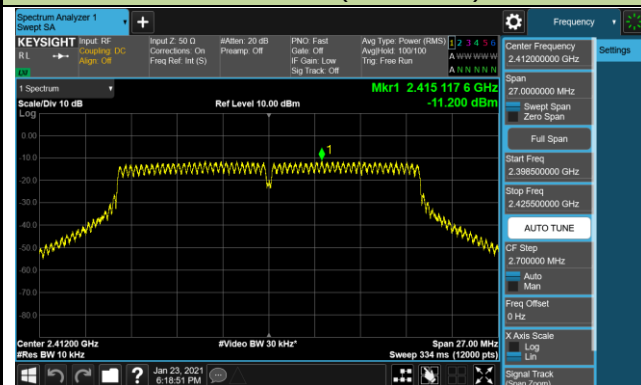


Channel 11 (2462MHz)

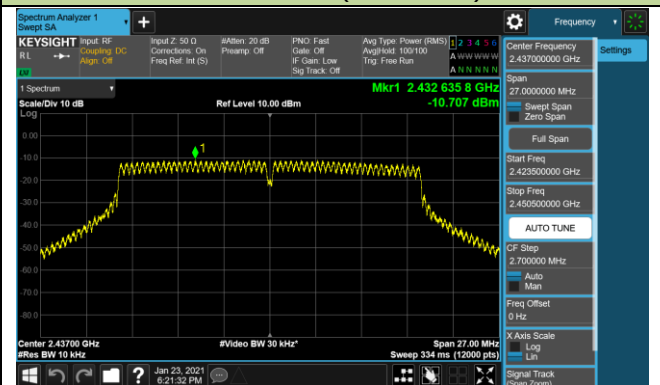


802.11n-HT20 AVGPDS - Ant 0 / Ant 0 + 1

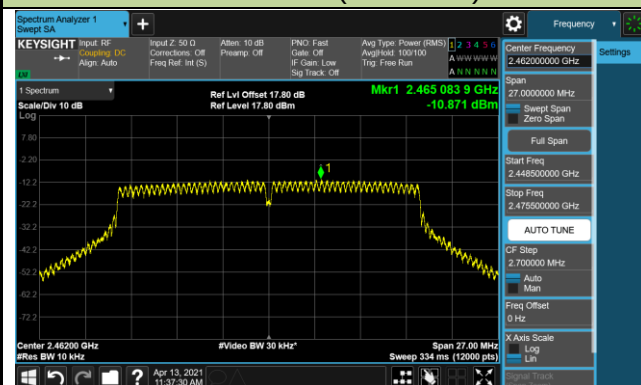
Channel 01 (2412MHz)



Channel 06 (2437MHz)

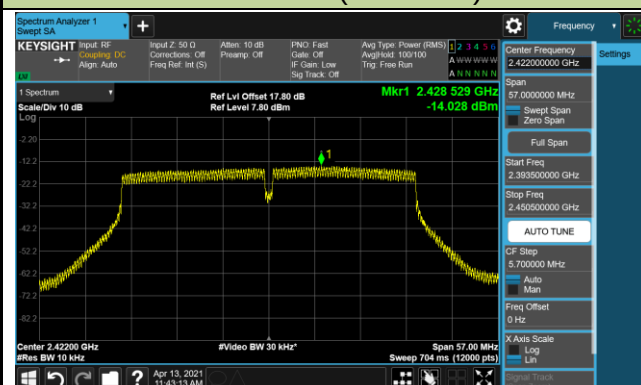


Channel 11 (2462MHz)



802.11n-HT40 AVGPDS - Ant 0 / Ant 0 + 1

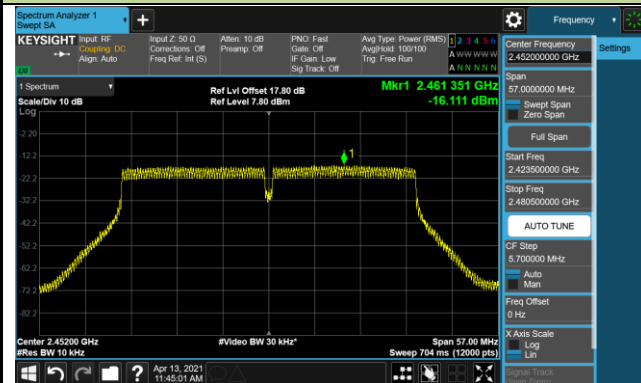
Channel 03 (2422MHz)



Channel 06 (2437MHz)

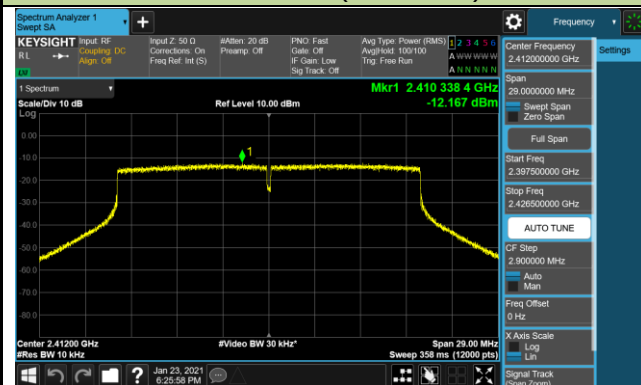


Channel 09 (2452MHz)

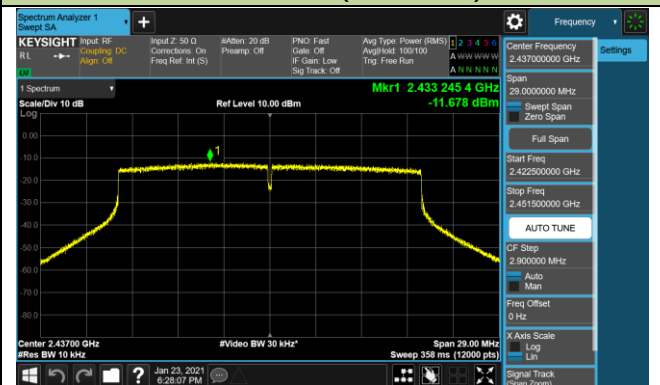


802.11ax-HE20 AVGPSPD - Ant 0 / Ant 0 + 1

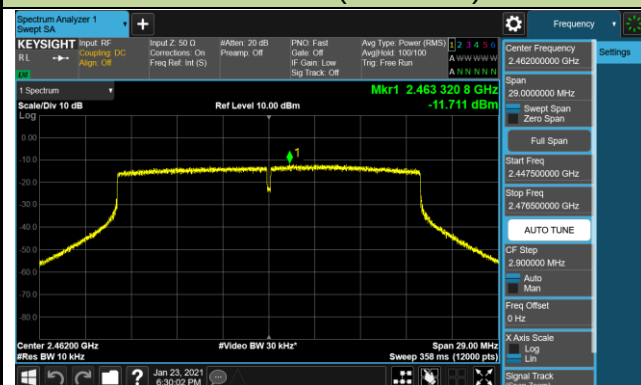
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

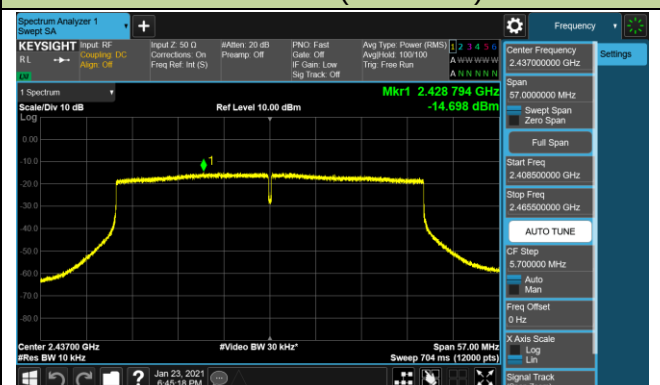


802.11ax-HE40 AVGPSPD - Ant 0 / Ant 0 + 1

Channel 03 (2422MHz)



Channel 06 (2437MHz)

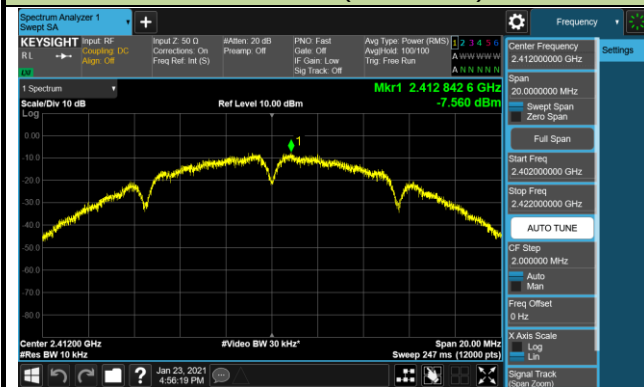


Channel 09 (2452MHz)



802.11b AVGPSPD - Ant 1 / Ant 0 + 1

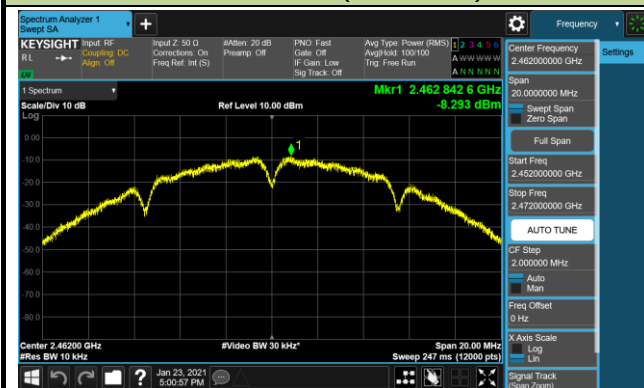
Channel 01 (2412MHz)



Channel 06 (2437MHz)

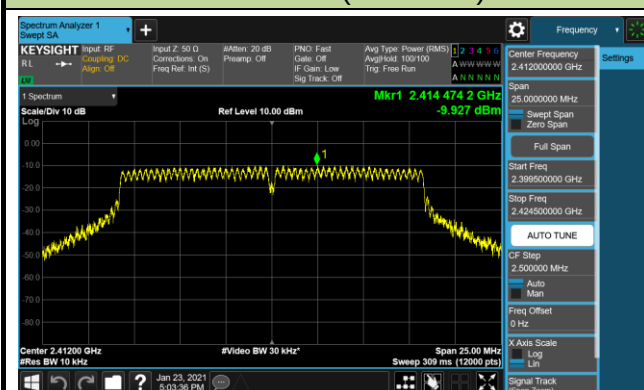


Channel 11 (2462MHz)

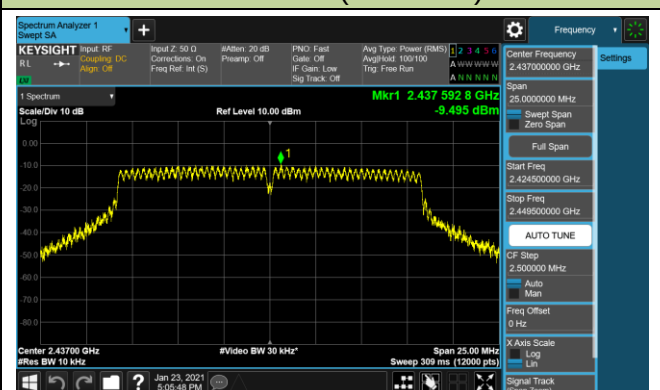


802.11g AVGPSPD - Ant 1 / Ant 0 + 1

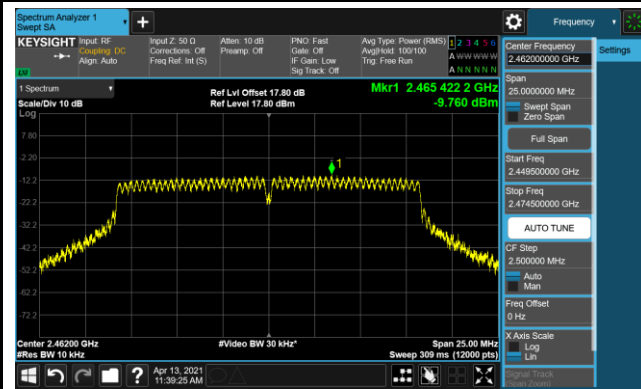
Channel 01 (2412MHz)



Channel 06 (2437MHz)

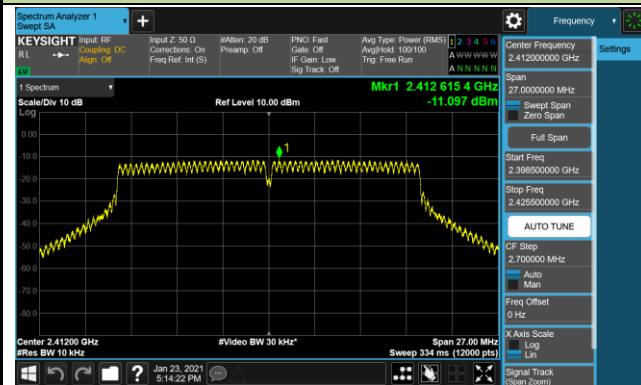


Channel 11 (2462MHz)

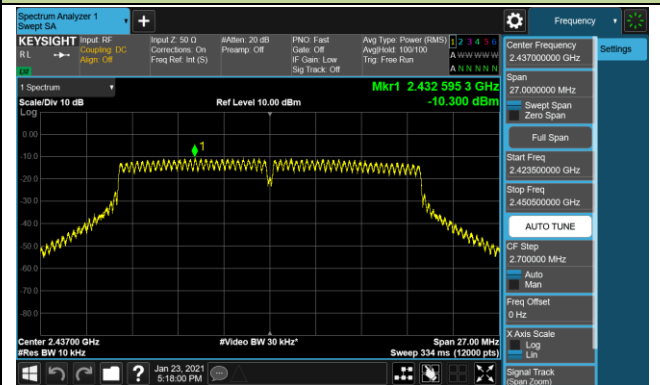


802.11n-HT20 AVGPDS - Ant 1 / Ant 0 + 1

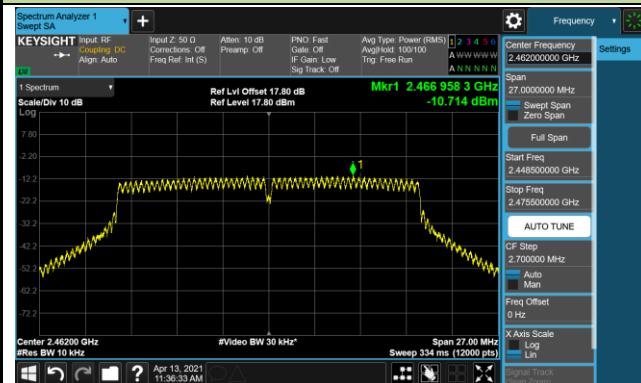
Channel 01 (2412MHz)



Channel 06 (2437MHz)

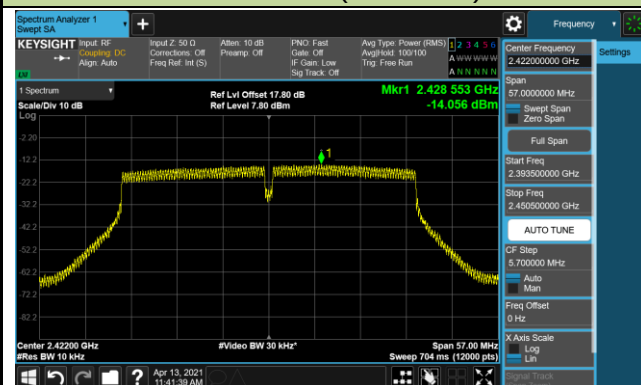


Channel 11 (2462MHz)

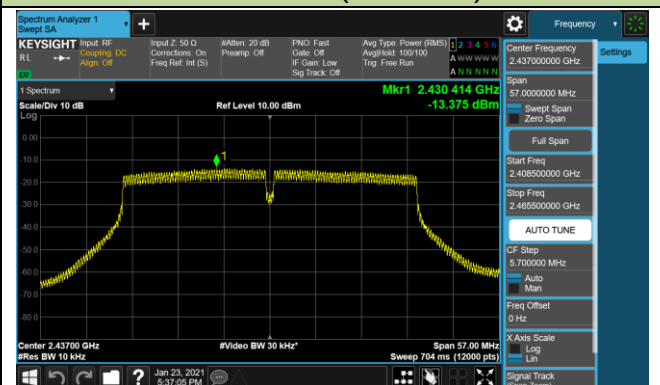


802.11n-HT40 AVGPDS - Ant 1 / Ant 0 + 1

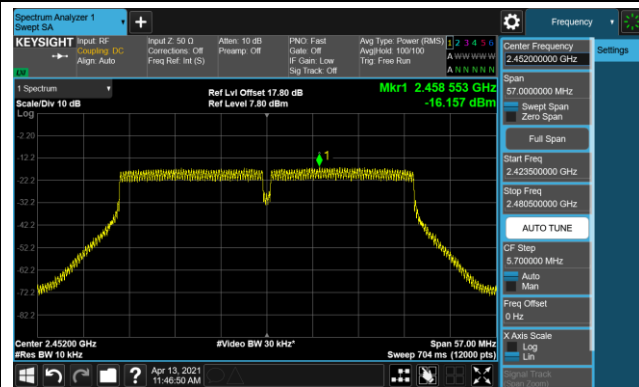
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ax-HE20 AVGPSPD - Ant 1 / Ant 0 + 1

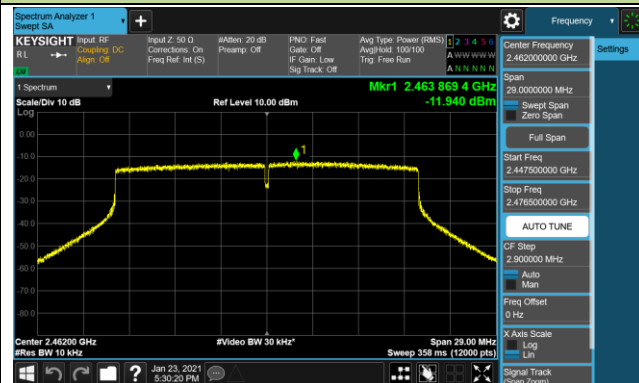
Channel 01 (2412MHz)



Channel 06 (2437MHz)

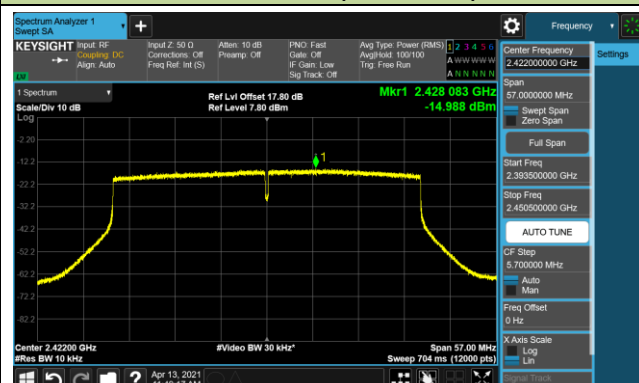


Channel 11 (2462MHz)

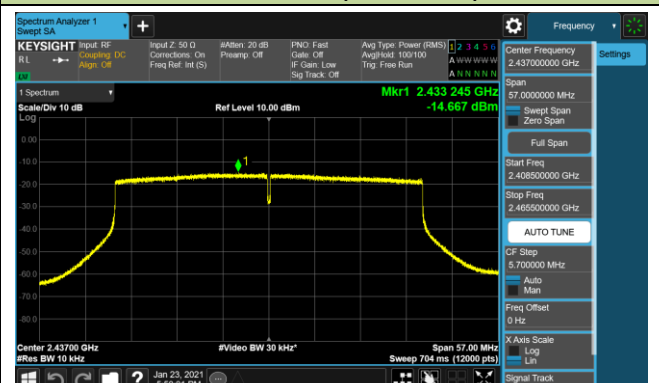


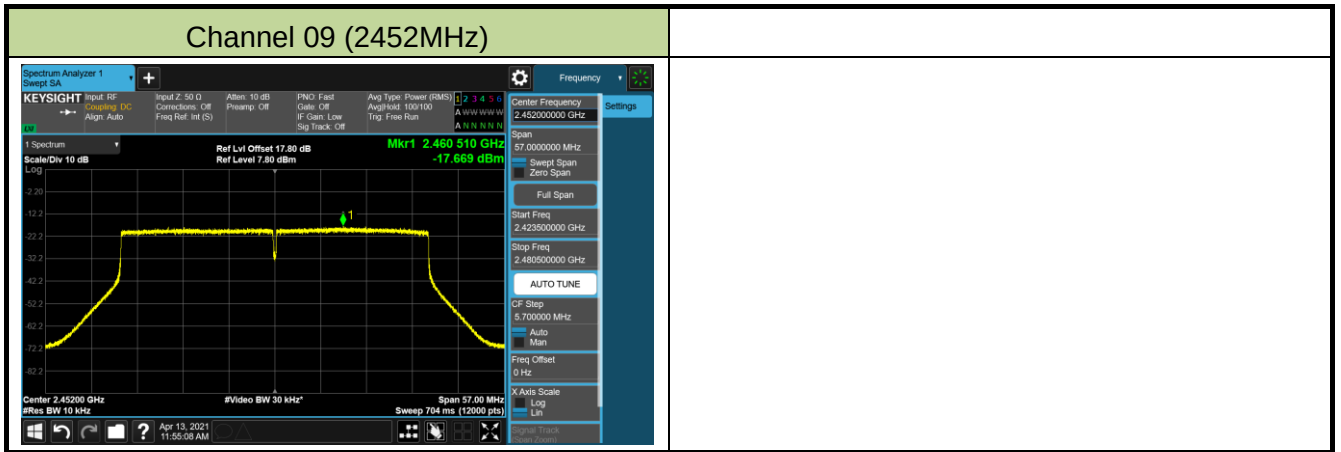
802.11ax-HE40 AVGPSPD - Ant 1 / Ant 0 + 1

Channel 03 (2422MHz)



Channel 06 (2437MHz)





The End