

NCC

低功率射頻電機型式試驗報告

產品名稱: AX6000 次世代 Wi-Fi 路由器
型號: Archer AX6000
廠牌: tp-link
申請者: 聯洲國際有限公司
申請者地址: 新北市板橋區中山路一段 156 號 13 樓
測試標準: LP0002 (107 年版)
參考法規: ANSI C63.10-2013
測試結果: 符合
測試日期: 2019.01.28 ~ 2019.02.15
發行日期: 2019.03.05

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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	聯洲國際有限公司
申請者地址	新北市板橋區中山路一段 156 號 13 樓
製造商	普聯技術有限公司
製造商地址	深圳市南山區深南路科技園工業廠房 24 棟南段 1 層、3-5 層、28 棟北段 1-4 層
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 Film. 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	AX6000 次世代 Wi-Fi 路由器
產品型號	Archer AX6000
待測物額定電壓	AC adapter input
藍牙版本	v4.1 dual mode
頻率範圍	2402 ~ 2480 MHz
調變模式	FHSS
傳輸速率	1Mbps(GFSK), 2Mbps(Pi/4 DQPSK), 3Mbps (8DPSK)
頻道控制	Auto
附件	
Adapter	MODEL: S050FU1200400 INPUT: 100 - 240V ~ 50/60Hz 1.5A Max. OUTPUT: DC 12.0V 4000mA

2.2. 通道清單

Bluetooth EDR

Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2403 MHz	02	2404 MHz
03	2405 MHz	04	2406 MHz	05	2407 MHz
06	2408 MHz	07	2409 MHz	08	2410 MHz
09	2411 MHz	10	2412 MHz	11	2413 MHz
12	2414 MHz	13	2415 MHz	14	2416 MHz
15	2417 MHz	16	2418 MHz	17	2419 MHz
18	2420 MHz	19	2421 MHz	20	2422 MHz
21	2423 MHz	22	2424 MHz	23	2425 MHz
24	2426 MHz	25	2427 MHz	26	2428 MHz
27	2429 MHz	28	2430 MHz	29	2431 MHz
30	2432 MHz	31	2433 MHz	32	2434 MHz
33	2435 MHz	34	2436 MHz	35	2437 MHz
36	2438 MHz	37	2439 MHz	38	2440 MHz
39	2441 MHz	40	2442 MHz	41	2443 MHz
42	2444 MHz	43	2445 MHz	44	2446 MHz
45	2447 MHz	46	2448 MHz	47	2449 MHz
48	2450 MHz	49	2451 MHz	50	2452 MHz
51	2453 MHz	52	2454 MHz	53	2455 MHz
54	2456 MHz	55	2457 MHz	56	2458 MHz
57	2459 MHz	58	2460 MHz	59	2461 MHz
60	2462 MHz	61	2463 MHz	62	2464 MHz
63	2465 MHz	64	2466 MHz	65	2467 MHz
66	2468 MHz	67	2469 MHz	68	2470 MHz
69	2471 MHz	70	2472 MHz	71	2473 MHz
72	2474 MHz	73	2475 MHz	74	2476 MHz
75	2477 MHz	76	2478 MHz	77	2479 MHz
78	2480 MHz	-	-	-	-

Bluetooth-LE

Channel	Frequency	Channel	Frequency	Channel	Frequency
00	2402 MHz	01	2404 MHz	02	2406 MHz
03	2408 MHz	04	2410 MHz	05	2412 MHz
06	2414 MHz	07	2416 MHz	08	2418 MHz
09	2420 MHz	10	2422 MHz	11	2424 MHz
12	2426 MHz	13	2428 MHz	14	2430 MHz
15	2432 MHz	16	2434 MHz	17	2436 MHz
18	2438 MHz	19	2440 MHz	20	2442 MHz
21	2444 MHz	22	2446 MHz	23	2448 MHz
24	2450 MHz	25	2452 MHz	26	2454 MHz
27	2456 MHz	28	2458 MHz	29	2460 MHz
30	2462 MHz	31	2464 MHz	32	2466 MHz
33	2468 MHz	34	2470 MHz	35	2472 MHz
36	2474 MHz	37	2476 MHz	38	2478 MHz
39	2480 MHz	--	--	--	--

2.3. 測試模式

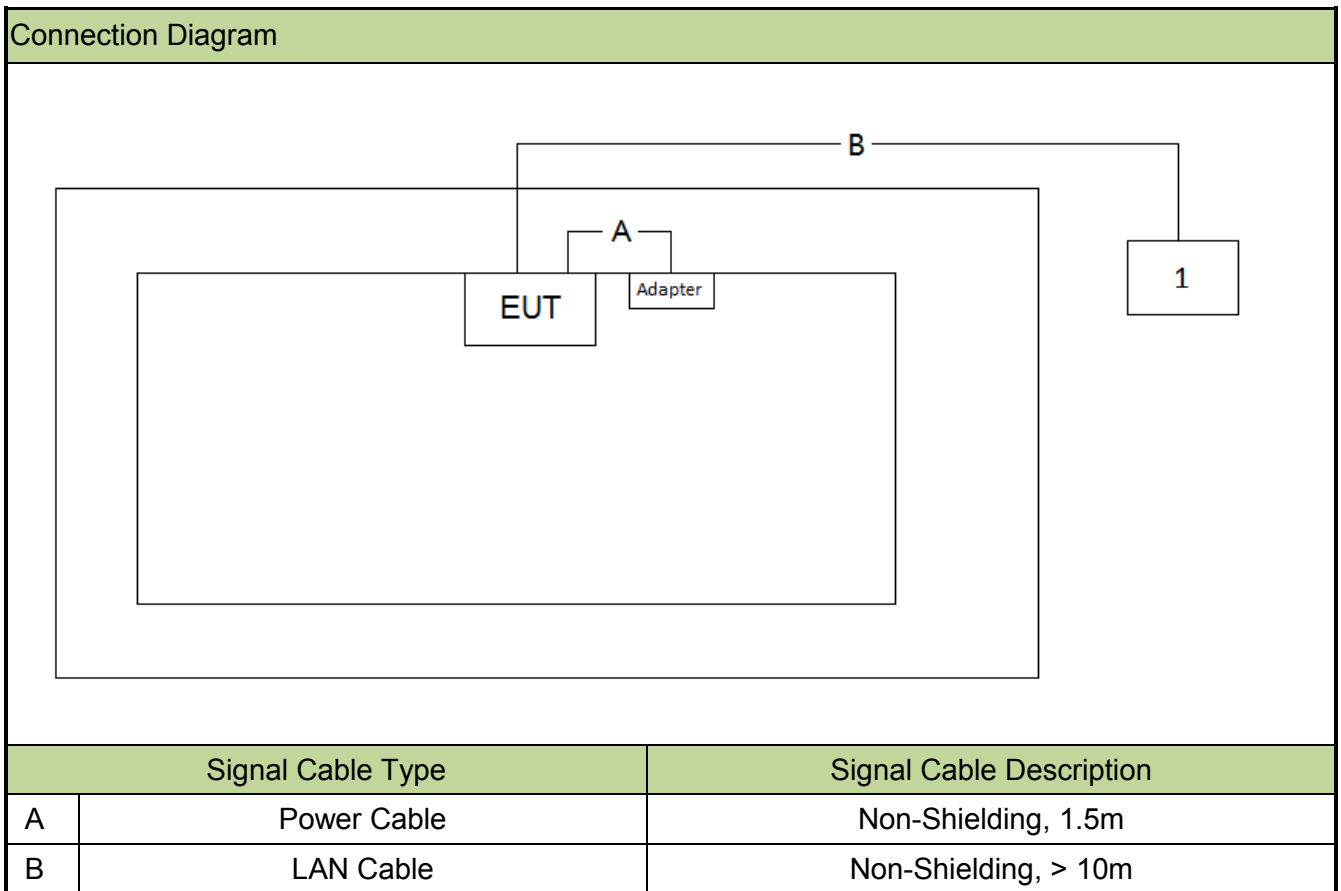
Mode 1: 發射器 DH5

Mode 2: 發射器 2DH5

Mode 3: 發射器 3DH5

Mode 4: 發射器 BLE

2.4. 測試系統組合圖



2.5. 測試周邊

Item	周邊	Manufacturer	Model No.	Serial No.	Power Cord
1	Notebook	Lenovo	E430c	N/A	Non-Shielded, 1.8m

2.6. 待測裝置測試時之典型操作程式

1.	Setup the EUT and simulators as shown on 2.4
2.	Turn on the power of all equipment.
3.	Execute "Engineering Commands" 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

Conducted Emissions - SR2

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2019/3/20
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2019/3/20
8-Wire ISN (T8)	R&S	ENY81	MRTTWA00018	1 year	2019/4/24
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2019/5/14
溫度/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00033	1 year	2019/5/21

Radiated Emissions - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2019/4/24
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2019/5/22
Broadband Hornantenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2019/4/24
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2019/4/23
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2019/4/23
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2019/4/23
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2019/3/19
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2019/7/30
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2019/5/18
溫度/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00032	1 year	2019/5/21

Conducted Test Equipment - SR1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2019/7/30
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTSUE06457	1 year	2019/7/19
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2019/4/24
溫度/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00032	1 year	2019/5/21

Software	Version	Function
e3	9.160520a	EMI Test Software
EMI	Quietek	V3

5. 測試結果

產品名稱 AX6000 次世代 Wi-Fi 路由器
型號 Archer AX6000

章節	量測項目	限制值	測試結果	測試數據
2.3	電源傳導	低功率射頻電機技術規範 2.3 節	符合	第 5.1 章節
3.10.1.2	峰值傳導輸出功率	$\leq 30.00\text{dBm}$	符合	第 5.2 章節
3.10.1.3	天線之要求	低功率射頻電機技術規範 3.10.1.3 節	符合	第 5.3 章節
3.10.1.5	帶外發射限制	$\leq 20\text{dBc (Peak)}$	符合	第 5.4 章節
2.7	輻射電場強度	低功率射頻電機技術規範 2.8 節	符合	第 5.5 章節
2.7	頻帶邊緣	$\leq 74\text{dBuV/m (Peak)}$ $\leq 54\text{dBuV/m (Average)}$	符合	第 5.6 章節
3.10.1.6(1)(A)	發射頻寬之要求	N/A	符合	第 5.7 章節
3.10.1.2(1)(A)	跳頻頻道使用數量之要求	≥ 15	符合	第 5.8 章節
3.10.1.6(1)(A)	頻道間隔之要求	不小於 25 kHz 或跳頻頻道 20 dB 頻寬之三分之二	符合	第 5.9 章節
3.10.1.6(1)(A)(a)	頻道佔用時間之要求	小於或等於 0.4 秒	符合	第 5.10 章節
3.10.1.6(2)(A)	6dB 佔用頻寬	$\geq 500\text{kHz}$	符合	第 5.11 章節
3.10.1.6(2)(B)	功率頻譜密度	$\leq 8\text{dBm/3kHz}$	符合	第 5.12 章節

5.1 電源傳導測試

5.1.1 量測方法

待測物放置於1m*2m*0.8m之非導體桌面並離垂直牆面40cm（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。

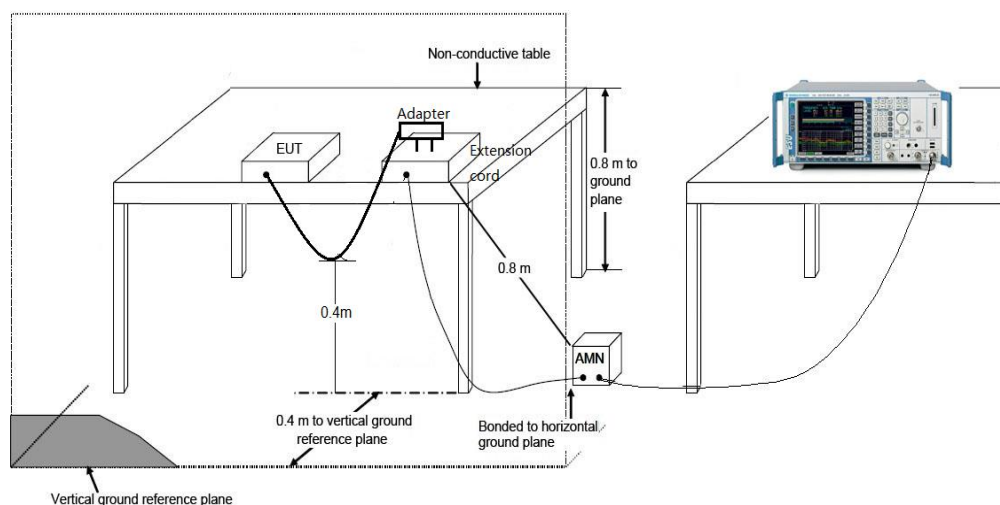
5.1.2 限制要求

以市電為電源之低功率射頻電機，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

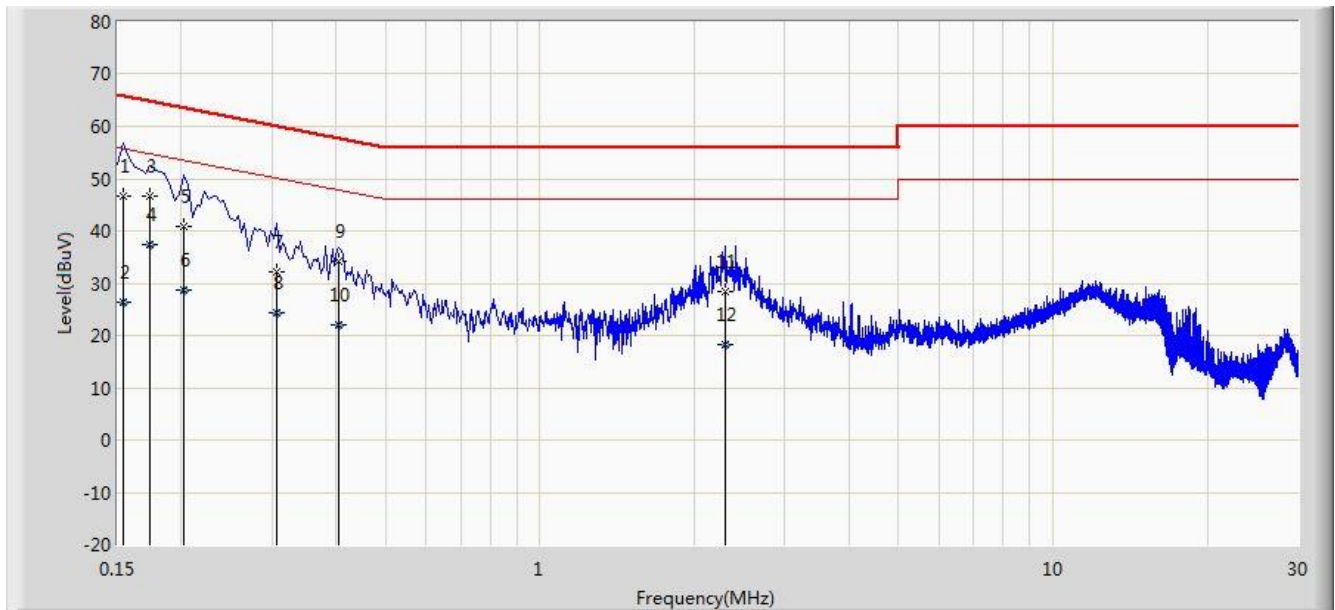
註：隨頻率之對數遞減

5.1.3 測試架構圖



5.1.4 電源端點測試結果

Site: SR2	Time: 2019/02/21 - 11:38
Limit: NCC LP0002_CE_0.15MHz-30MHz	Engineer: Kevin Ker
Probe: ENV216_Filter On	Polarity: Line
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
Test Mode: Worst case Mode	

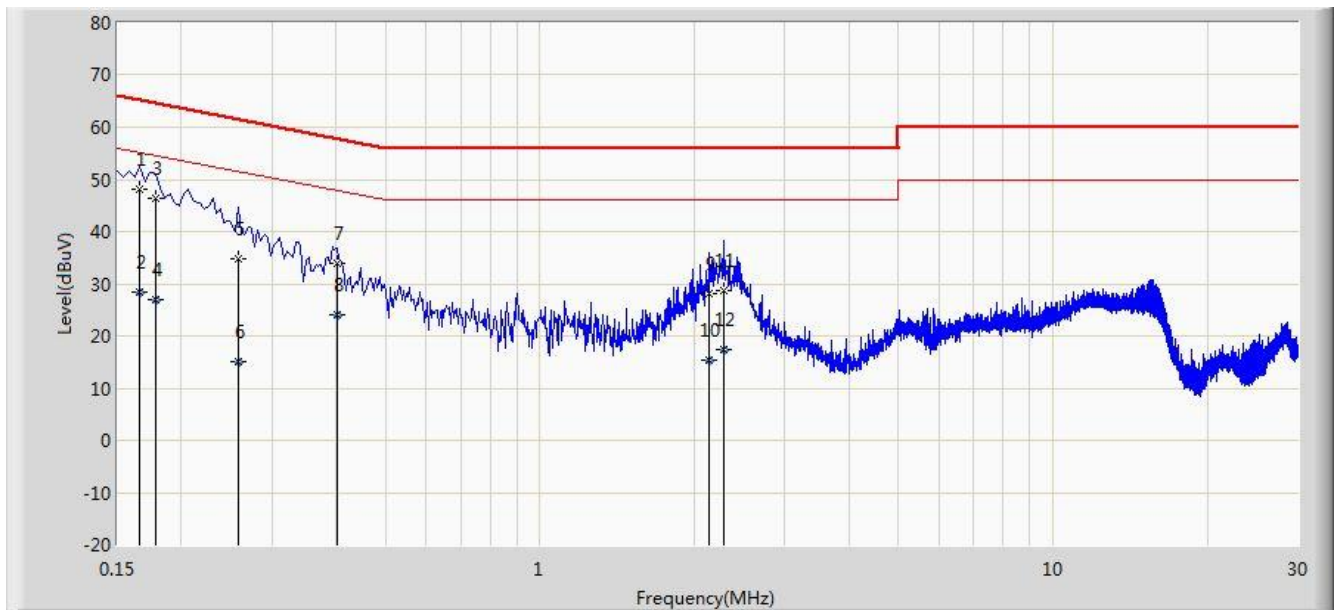


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.154	46.608	35.899	-19.173	65.781	10.709	QP
2			0.154	26.264	15.555	-29.517	55.781	10.709	AV
3			0.174	46.557	36.507	-18.210	64.767	10.051	QP
4		*	0.174	37.514	27.464	-17.253	54.767	10.051	AV
5			0.202	40.762	30.744	-22.766	63.528	10.018	QP
6			0.202	28.746	18.728	-24.782	53.528	10.018	AV
7			0.306	32.096	22.101	-27.983	60.078	9.995	QP
8			0.306	24.274	14.279	-25.805	50.078	9.995	AV
9			0.406	34.095	24.051	-23.635	57.730	10.043	QP
10			0.406	22.158	12.114	-25.572	47.730	10.043	AV
11			2.290	28.420	18.568	-27.580	56.000	9.852	QP
12			2.290	18.364	8.512	-27.636	46.000	9.852	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: SR2	Time: 2019/02/21 - 11:43
Limit: NCC LP0002_CE_0.15MHz-30MHz	Engineer: Kevin Ker
Probe: ENV216_Filter On	Polarity: Neutral
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
Test Mode: Worst case Mode	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.166	47.972	37.924	-17.186	65.158	10.048	QP
2			0.166	28.307	18.259	-26.851	55.158	10.048	AV
3			0.178	46.393	36.351	-18.185	64.578	10.043	QP
4			0.178	27.093	17.051	-27.485	54.578	10.043	AV
5			0.258	34.729	24.760	-26.766	61.496	9.969	QP
6			0.258	14.958	4.989	-36.537	51.496	9.969	AV
7			0.402	33.988	23.929	-23.824	57.812	10.059	QP
8			0.402	23.947	13.888	-23.865	47.812	10.059	AV
9			2.142	28.107	18.252	-27.893	56.000	9.855	QP
10			2.142	15.390	5.535	-30.610	46.000	9.855	AV
11			2.278	28.715	18.863	-27.285	56.000	9.852	QP
12			2.278	17.378	7.526	-28.622	46.000	9.852	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

5.2 峰值傳導輸出功率

5.2.1 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，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。除使用上述測量方式外，並得使用以最大傳導輸出功率作為測量方式。

5.2.2 限制要求

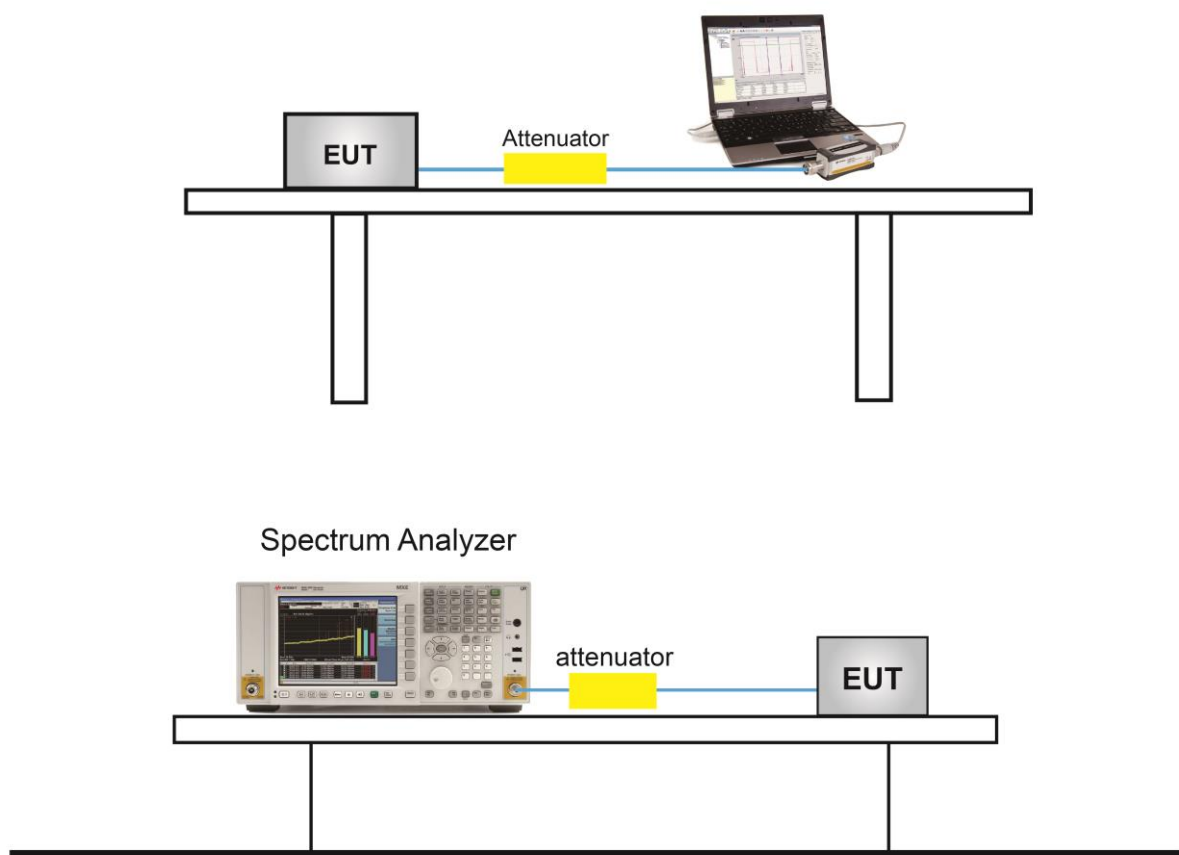
國家通訊傳播委員會低功率射頻電機技術規範之第3.10.1.2節，峰值傳導輸出功率：

操作於 2400 MHz~2483.5 MHz 者

- (A) 至少使用75 個跳頻頻道之跳頻系統：1 W(含)以下。
- (B) 除(A)外，依 3.10.1.6 (1)(A)(a)之跳頻系統：0.125 W(含)以下。
- (C) 數位調變技術系統：1 W(含) 以下。

除使用附件二之峰值輸出功率測量方式外，並得使用以最大傳導輸出功率(Maximum Conducted Output Power)作為測量方式。

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	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR1	測試工程師	Kevin Ker

Test Result of Peak Output Power

Test Mode	Channel No.	Frequency (MHz)	Peak Power (dBm)	Peak Power Limit (dBm)
DH5	00	2402	10.05	≤ 21
DH5	39	2441	10.48	≤ 21
DH5	78	2480	10.85	≤ 21
2DH5	00	2402	9.44	≤ 21
2DH5	39	2441	9.95	≤ 21
2DH5	78	2480	10.34	≤ 21
3DH5	00	2402	9.84	≤ 21
3DH5	39	2441	10.17	≤ 21
3DH5	78	2480	10.54	≤ 21
BLE	00	2402	5.14	≤ 30.00
BLE	19	2440	7.13	≤ 30.00
BLE	39	2480	7.80	≤ 30.00

DH5 Output Power

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



2DH5 Output Power

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



3DH5 Output Power

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



5.3 天線之要求

5.3.1 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範之第3.10.1.4節規定，天線之規格可不受下述規定之限制。

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

5.3.2 天線樣式

此AX6000次世代Wi-Fi路由器其天線為半固定式Dipole Antenna，使用Fast plug SMA特殊接頭，(檢附天線規格書)

Antenna Type	Frequency	TX Paths	Max Antenna Gain (dBi)	BF Directional Gain (dBi)	CDD Directional Gain (dBi)	
	Band (MHz)				For Power	For PSD
Wi-Fi External Antenna						
Dipole Antenna	2412 ~ 2462	4	1.16	7.18	1.16	7.18
	5150 ~ 5850	4	2.28	8.30	2.28	8.30
Bluetooth Internal Antenna						
PCB Antenna	2402 ~ 2480	1	4.05	--	--	--

Note:

- The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.
For CDD transmissions, directional gain is calculated as follows, $N_{ANT} = 4$, $N_{SS} = 1$.
If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.
 - For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log (N_{ANT} / N_{SS})$ dB = 6.02;
 - For power measurements on IEEE 802.11 devices,
Array Gain = 0 dB for $N_{ANT} \leq 4$;
- The EUT also supports Beam Forming mode, and the Beam Forming support 802.11ac/ax, not include 802.11a/b/g/n. BF Directional gain = $G_{ANT} + 10 \log (N_{ANT})$.

5.4 帶外發射限制

5.4.1 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，

- (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 100 kHz，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。

備註

解析頻寬設置為 1.3 MHz 是為了提升量測速度。

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。

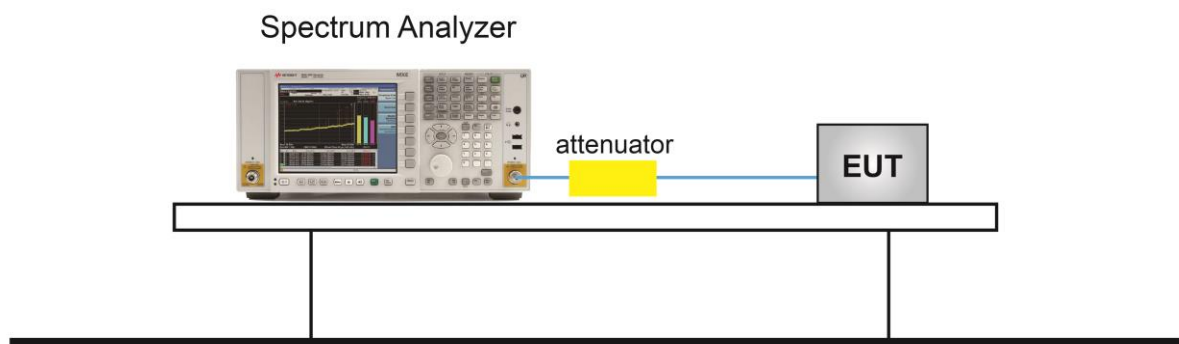
5.4.2 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.5 節規定。

帶外發射限制：操作頻帶範圍外之任意 100 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 kHz 內的射頻功率，其衰減值限制如下：

- (1) 輸出功率以附件二之峰值輸出功率方式測量者，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 3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減 30 dB。

5.4.3 測試架構圖



5.4.4 帶外輻射測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR1	測試工程師	Kevin Ker

Test Mode	Channel No.	Frequency (MHz)	Limit	Result
DH5	00	2402	20dBc	Pass
DH5	39	2441	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	39	2441	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	39	2441	20dBc	Pass
3DH5	78	2480	20dBc	Pass
BLE	00	2402	20dBc	Pass
BLE	19	2440	20dBc	Pass
BLE	39	2480	20dBc	Pass

DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



2DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



3DH5 Conducted Spurious Emissions

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



BLE Out-of-Band Emissions

Channel 00 (2402MHz)

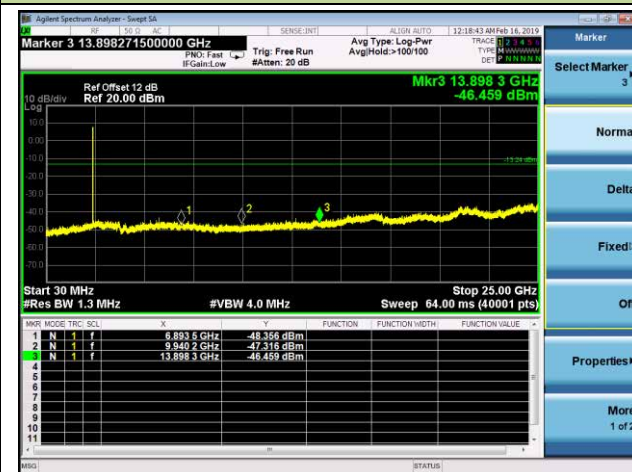
100kHz PSD reference Level



Low Band Edge



Spurious Emission 30MHz ~ 25GHz

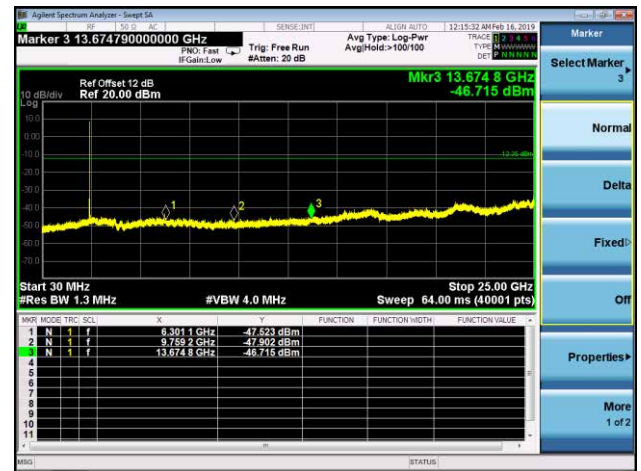


Channel 19 (2440MHz)

100kHz PSD reference Level



Spurious Emission 30MHz ~ 25GHz

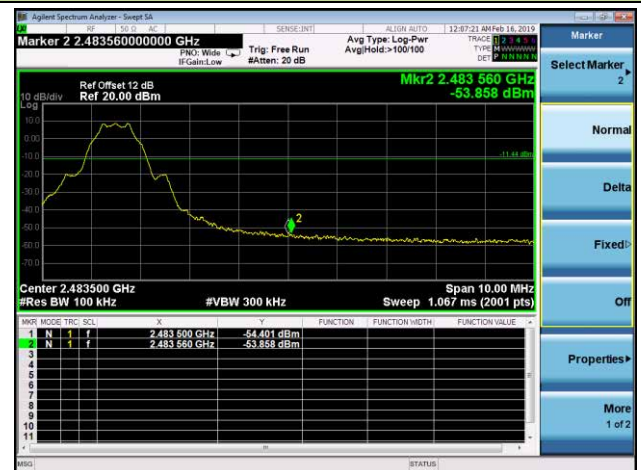


Channel 39 (2480MHz)

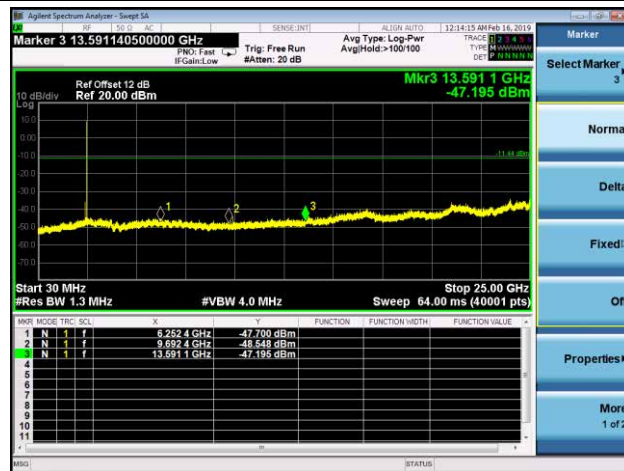
100kHz PSD reference Level



High Band Edge



Spurious Emission 30MHz ~ 25GHz



5.5 輻射電場強度

5.5.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。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。（待測物擺設方式根據 ANSI C63.10-2014 版本，待測物放置桌中心，1G 以下擺設高度為 80cm/1G 以上擺設高度為 150cm）

(1) 任一頻率小於或等於 1000 MHz 之訊號,使用 CISPR 準峰值檢波器

(2) 任一頻率大於 1000 MHz 之訊號，使用平均值檢波器測量(RBW:1MHz,VBW:10Hz)，當規定之發射限制值為平均值時(含 1000 MHz 以下)，受測訊號藉由峰值檢波器(RBW:1MHz,VBW:3MHz)所測量之峰值，亦須符合峰值發射限制值，其峰值發射限制值為最大容許平均值加 20 dB。

5.5.2 限制要求

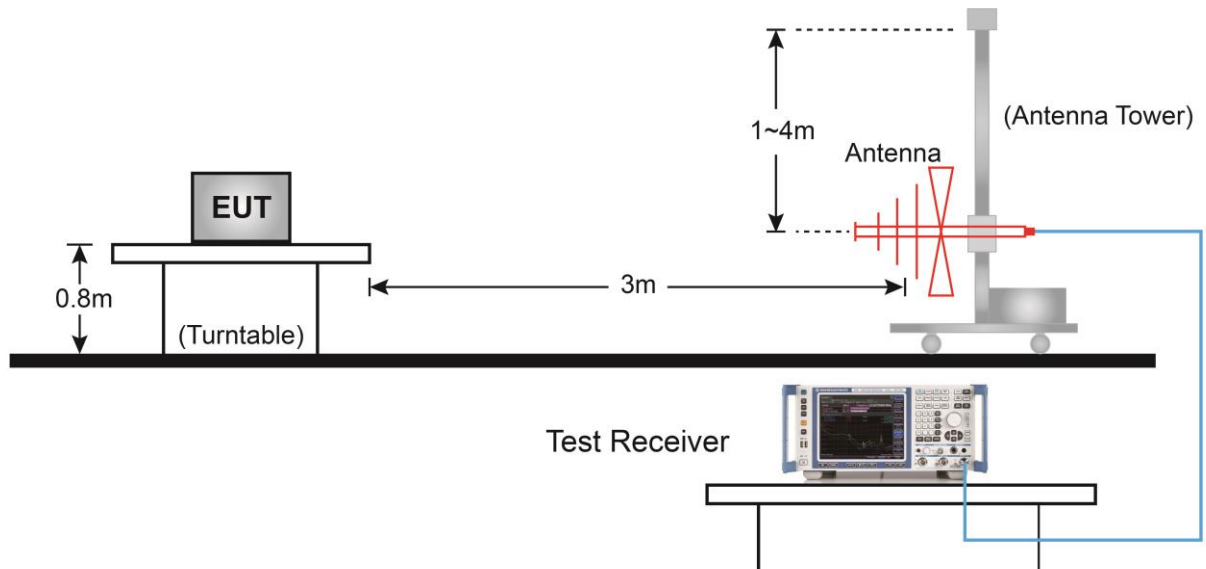
其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻 率 (MHz)	電場強度(uV/m)	測距(m)
0.009 - 0.490(含)	2,400/f(KHz)	300
0.490 (不含) - 1.705 (含)	24,000/f(KHz)	30
1.705(不含) - 30 (不含)	30	30
30 (含) - 88 (含)	100	3
88 (不含) - 216 (含)	150	3
216 (不含) - 960 (含)	200	3
960 (不含)以上	500	3

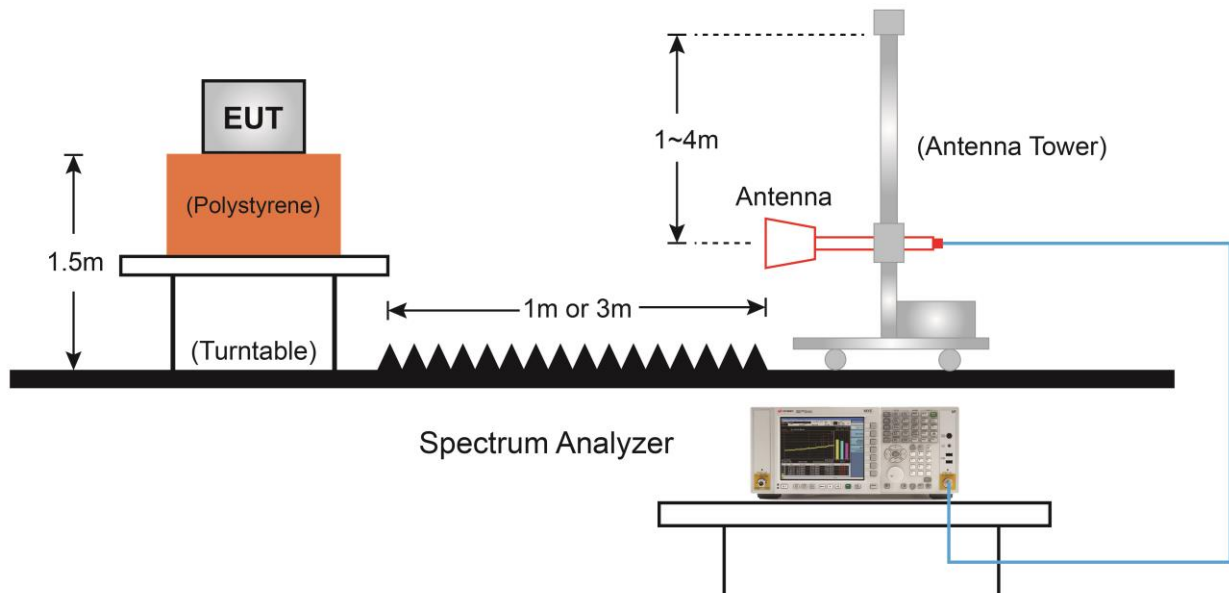
上表規定之電場強度，頻率在 9-90kHz 千赫(kHz)、110-490 千赫(kHz)以及 1000 兆赫(MHz)以上之發射，其量測以平均值檢波器為基準，且須符合低功率射頻電機技術規範第 5.14 節之規定；其他頻率之發射，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時須符合低功率射頻電機技術規範第 5.5 節之規定，而輻射發射之量測頻率範圍須符合低功率射頻電機技術規範第 5.12 節之規定。

5.5.3 測試架構圖

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.5.4 輻射電場強度測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	DH5	測試通道	00
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3983.5	41.1	0.4	41.5	74.0	-32.5	Peak	Horizontal
	4986.5	39.2	3.8	43.0	74.0	-31.0	Peak	Horizontal
*	5938.5	38.7	6.0	44.7	85.1	-40.4	Peak	Horizontal
*	8871.0	34.1	14.0	48.1	85.1	-37.0	Peak	Horizontal
	4153.5	41.1	0.9	42.0	74.0	-32.0	Peak	Vertical
	4842.0	38.7	3.7	42.4	74.0	-31.6	Peak	Vertical
*	6176.5	38.0	6.7	44.7	85.1	-40.4	Peak	Vertical
*	8769.0	34.5	13.9	48.4	85.1	-36.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.1dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	DH5	測試通道	39
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4077.0	41.4	0.6	42.0	74.0	-32.0	Peak	Horizontal
	5003.5	39.6	3.8	43.4	74.0	-30.6	Peak	Horizontal
*	6219.0	39.0	6.9	45.9	85.0	-39.1	Peak	Horizontal
*	8692.5	35.7	13.7	49.4	85.0	-35.6	Peak	Horizontal
	4043.0	39.7	0.5	40.2	74.0	-33.8	Peak	Vertical
	4876.0	39.7	3.7	43.4	74.0	-30.6	Peak	Vertical
*	6270.0	38.3	7.1	45.4	85.0	-39.6	Peak	Vertical
*	8692.5	34.6	13.7	48.3	85.0	-36.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.0dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	DH5	測試通道	78
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	40.2	0.5	40.7	74.0	-33.3	Peak	Horizontal
	5046.0	39.4	4.0	43.4	74.0	-30.6	Peak	Horizontal
*	6508.0	39.1	8.4	47.5	84.8	-37.3	Peak	Horizontal
*	8777.5	36.1	13.9	50.0	84.8	-34.8	Peak	Horizontal
	4000.5	41.5	0.4	41.9	74.0	-32.1	Peak	Vertical
	4927.0	39.7	3.7	43.4	74.0	-30.6	Peak	Vertical
*	6516.5	39.1	8.5	47.6	84.8	-37.2	Peak	Vertical
*	9704.0	34.4	14.6	49.0	84.8	-35.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.8dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	2DH5	測試通道	00
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3907.0	40.7	0.3	41.0	74.0	-33.0	Peak	Horizontal
	4944.0	38.5	3.7	42.2	74.0	-31.8	Peak	Horizontal
*	6295.5	37.4	7.2	44.6	85.2	-40.6	Peak	Horizontal
*	8692.5	34.0	13.7	47.7	85.2	-37.5	Peak	Horizontal
	4094.0	40.2	0.7	40.9	74.0	-33.1	Peak	Vertical
	4927.0	39.2	3.7	42.9	74.0	-31.1	Peak	Vertical
*	6499.5	38.6	8.4	47.0	85.2	-38.2	Peak	Vertical
*	8811.5	33.4	14.0	47.4	85.2	-37.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (105.2dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	2DH5	測試通道	39
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4043.0	40.6	0.5	41.1	74.0	-32.9	Peak	Horizontal
	4961.0	39.4	3.7	43.1	74.0	-30.9	Peak	Horizontal
*	6423.0	39.0	7.8	46.8	84.7	-37.9	Peak	Horizontal
*	8675.5	34.2	13.7	47.9	84.7	-36.8	Peak	Horizontal
	3924.0	41.7	0.3	42.0	74.0	-32.0	Peak	Vertical
	4867.5	39.5	3.7	43.2	74.0	-30.8	Peak	Vertical
*	6210.5	38.7	6.9	45.6	84.7	-39.1	Peak	Vertical
*	8743.5	33.9	13.9	47.8	84.7	-36.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.7dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	2DH5	測試通道	78
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4085.5	41.2	0.7	41.9	74.0	-32.1	Peak	Horizontal
	4876.0	38.1	3.7	41.8	74.0	-32.2	Peak	Horizontal
*	6278.5	37.3	7.1	44.4	84.2	-39.8	Peak	Horizontal
*	8743.5	33.9	13.9	47.8	84.2	-36.4	Peak	Horizontal
	4000.5	41.0	0.4	41.4	74.0	-32.6	Peak	Vertical
	4791.0	39.0	3.7	42.7	74.0	-31.3	Peak	Vertical
*	6057.5	38.3	6.3	44.6	84.2	-39.6	Peak	Vertical
*	8624.5	34.3	13.5	47.8	84.2	-36.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (104.2dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	3DH5	測試通道	00
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4128.0	41.2	0.8	42.0	74.0	-32.0	Peak	Horizontal
	5012.0	39.1	3.9	43.0	74.0	-31.0	Peak	Horizontal
*	6516.5	38.7	8.5	47.2	85.7	-38.5	Peak	Horizontal
*	8735.0	34.3	13.9	48.2	85.7	-37.5	Peak	Horizontal
	3983.5	41.1	0.4	41.5	74.0	-32.5	Peak	Vertical
	4969.5	38.6	3.7	42.3	74.0	-31.7	Peak	Vertical
*	6057.5	38.5	6.3	44.8	85.7	-40.9	Peak	Vertical
*	7018.0	35.0	10.7	45.7	85.7	-40.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.7dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	3DH5	測試通道	39
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3949.5	39.9	0.3	40.2	74.0	-33.8	Peak	Horizontal
	4876.0	38.8	3.7	42.5	74.0	-31.5	Peak	Horizontal
*	6737.5	36.8	8.8	45.6	85.5	-39.9	Peak	Horizontal
*	8735.0	34.7	13.9	48.6	85.5	-36.9	Peak	Horizontal
	3958.0	41.7	0.3	42.0	74.0	-32.0	Peak	Vertical
	5003.5	39.4	3.8	43.2	74.0	-30.8	Peak	Vertical
*	6440.0	38.7	8.0	46.7	85.5	-38.8	Peak	Vertical
*	8658.5	34.5	13.6	48.1	85.5	-37.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (105.5dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	3DH5	測試通道	78
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	3975.0	41.1	0.4	41.5	74.0	-32.5	Peak	Horizontal
	4995.0	40.7	3.8	44.5	74.0	-29.5	Peak	Horizontal
*	6499.5	39.5	8.4	47.9	84.5	-36.6	Peak	Horizontal
*	8718.0	34.6	13.8	48.4	84.5	-36.1	Peak	Horizontal
	4051.5	40.5	0.5	41.0	74.0	-33.0	Peak	Vertical
	4961.0	39.9	3.7	43.6	74.0	-30.4	Peak	Vertical
*	6423.0	39.3	7.8	47.1	84.5	-37.4	Peak	Vertical
*	8624.5	34.2	13.5	47.7	84.5	-36.8	Peak	Vertical

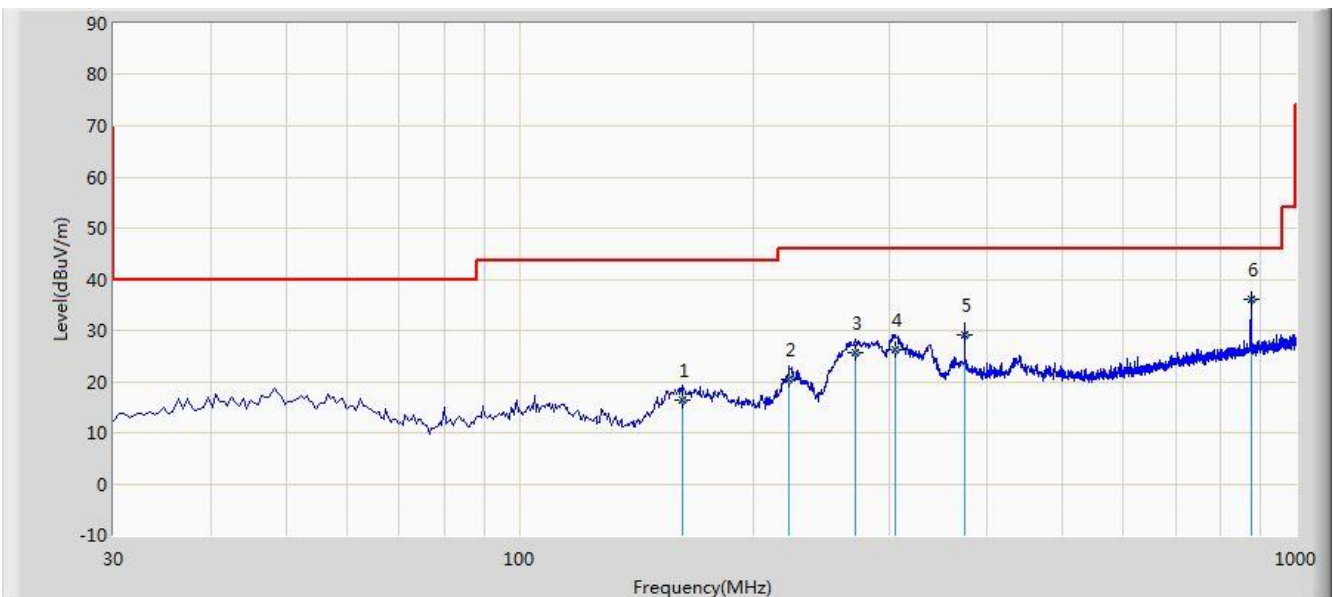
Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (104.5dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/02/24 - 12:58
Limit: NCC LP0002_30MHz-1GHz_QP	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			161.950	16.328	6.290	-27.172	43.500	10.038	QP
2			222.550	20.473	7.590	-25.527	46.000	12.883	QP
3			271.050	25.707	11.460	-20.293	46.000	14.246	QP
4			305.000	26.125	11.240	-19.875	46.000	14.885	QP
5			375.000	29.157	12.730	-16.843	46.000	16.427	QP
6		*	875.000	36.075	11.860	-9.925	46.000	24.214	QP

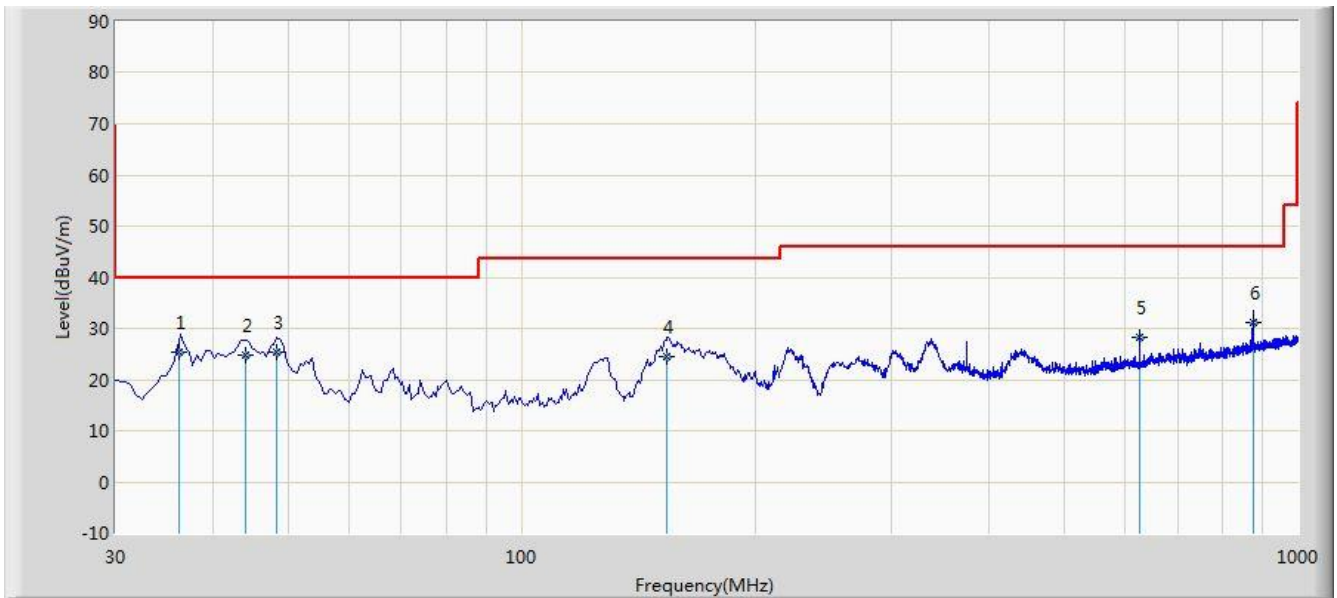
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Note 3: 經初測驗證過, 1GHz 以下輻射干擾測試對測試頻道數並無差異, 故僅檢附最差狀況之測試頻道。

Site: AC1	Time: 2019/02/24 - 12:58
Limit: NCC LP0002_30MHz-1GHz_QP	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			36.300	25.222	12.040	-14.778	40.000	13.182	QP
2			44.060	24.831	10.180	-15.169	40.000	14.651	QP
3		*	48.450	25.266	10.290	-14.734	40.000	14.977	QP
4			154.150	24.492	14.750	-19.008	43.500	9.742	QP
5			625.000	28.305	7.680	-17.695	46.000	20.625	QP
6			875.000	31.105	6.890	-14.895	46.000	24.214	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Note 3: 經初測驗證過，1GHz 以下輻射干擾測試對測試頻道數並無差異，故僅檢附最差狀況之測試頻道。

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	BLE	測試通道	00
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4799.5	39.3	3.7	43.0	74.0	-31.0	Peak	Horizontal
	5029.0	39.9	3.9	43.8	74.0	-30.2	Peak	Horizontal
*	6151.0	40.0	6.6	46.6	83.6	-37.0	Peak	Horizontal
*	6958.5	39.0	10.2	49.2	83.6	-34.4	Peak	Horizontal
	4332.0	40.9	1.7	42.6	74.0	-31.4	Peak	Vertical
	5088.5	39.6	4.1	43.7	74.0	-30.3	Peak	Vertical
*	6049.0	39.7	6.2	45.9	83.6	-37.7	Peak	Vertical
*	6950.0	38.8	10.2	49.0	83.6	-34.6	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (103.6dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	BLE	測試通道	19
備註	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4255.5	40.7	1.4	42.1	74.0	-31.9	Peak	Horizontal
	5131.0	39.8	4.2	44.0	74.0	-30.0	Peak	Horizontal
*	6219.0	39.3	6.9	46.2	83.5	-37.3	Peak	Horizontal
*	6839.5	39.4	9.3	48.7	83.5	-34.8	Peak	Horizontal
	4799.5	39.6	3.7	43.3	74.0	-30.7	Peak	Vertical
	5037.5	39.6	4.0	43.6	74.0	-30.4	Peak	Vertical
*	6576.0	39.0	8.6	47.6	83.5	-35.9	Peak	Vertical
*	6950.0	38.4	10.2	48.6	83.5	-34.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (103.5dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/02/12
測試模式	BLE	測試通道	39
備註	1. Average measurement was not performed if peak level lower than average limit. So the margin was calculated using the average limit for emissions fall within the restricted bands. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4255.5	40.6	1.4	42.0	74.0	-32.0	Peak	Horizontal
	4978.0	40.5	3.8	44.3	74.0	-29.7	Peak	Horizontal
*	6550.5	40.6	8.6	49.2	83.5	-34.3	Peak	Horizontal
*	6984.0	38.2	10.4	48.6	83.5	-34.9	Peak	Horizontal
	4782.5	39.4	3.7	43.1	74.0	-30.9	Peak	Vertical
	4944.0	40.8	3.7	44.5	74.0	-29.5	Peak	Vertical
*	5930.0	39.7	6.0	45.7	83.5	-37.8	Peak	Vertical
*	6924.5	38.4	10.0	48.4	83.5	-35.1	Peak	Vertical

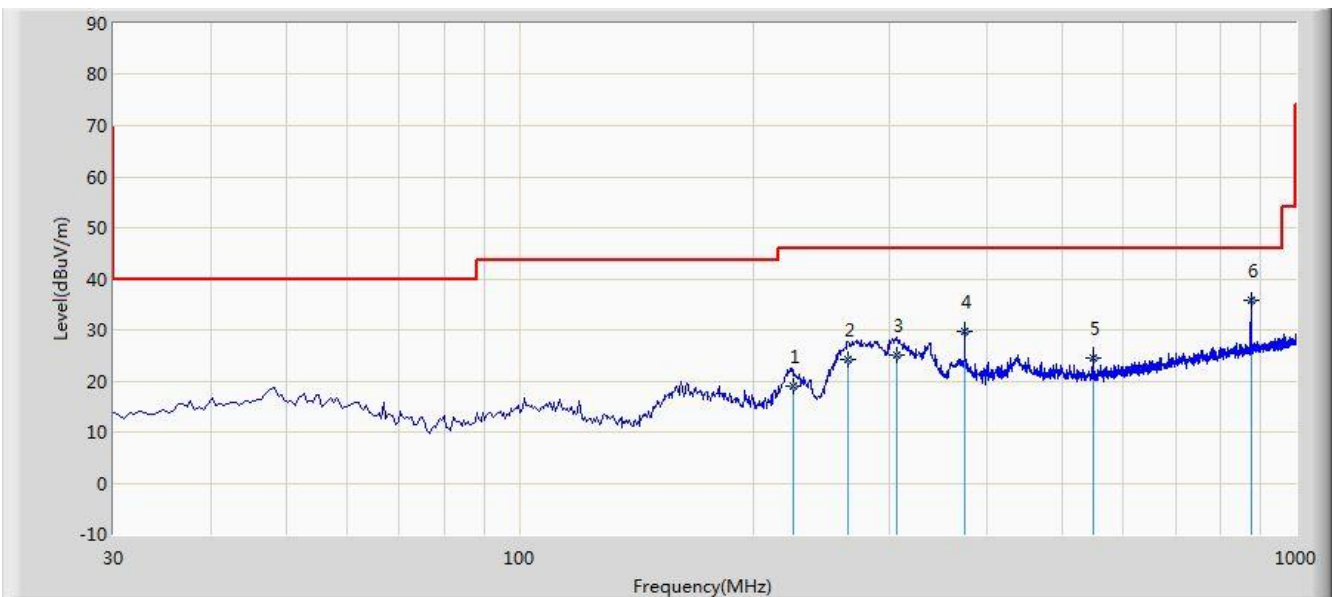
Note 1: “*” is not in restricted band, its limit is 20dBc of the fundamental emission level (103.5dBμV/m) or LP0002 Section 2.8 which is higher.

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/02/24 - 12:58
Limit: NCC LP0002_30MHz-1GHz_QP	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			224.950	19.083	6.090	-26.917	46.000	12.993	QP
2			264.750	24.123	9.980	-21.877	46.000	14.143	QP
3			305.990	25.120	10.210	-20.880	46.000	14.911	QP
4			375.000	29.707	13.280	-16.293	46.000	16.427	QP
5			549.000	24.448	5.080	-21.552	46.000	19.368	QP
6		*	875.000	35.835	11.620	-10.165	46.000	24.214	QP

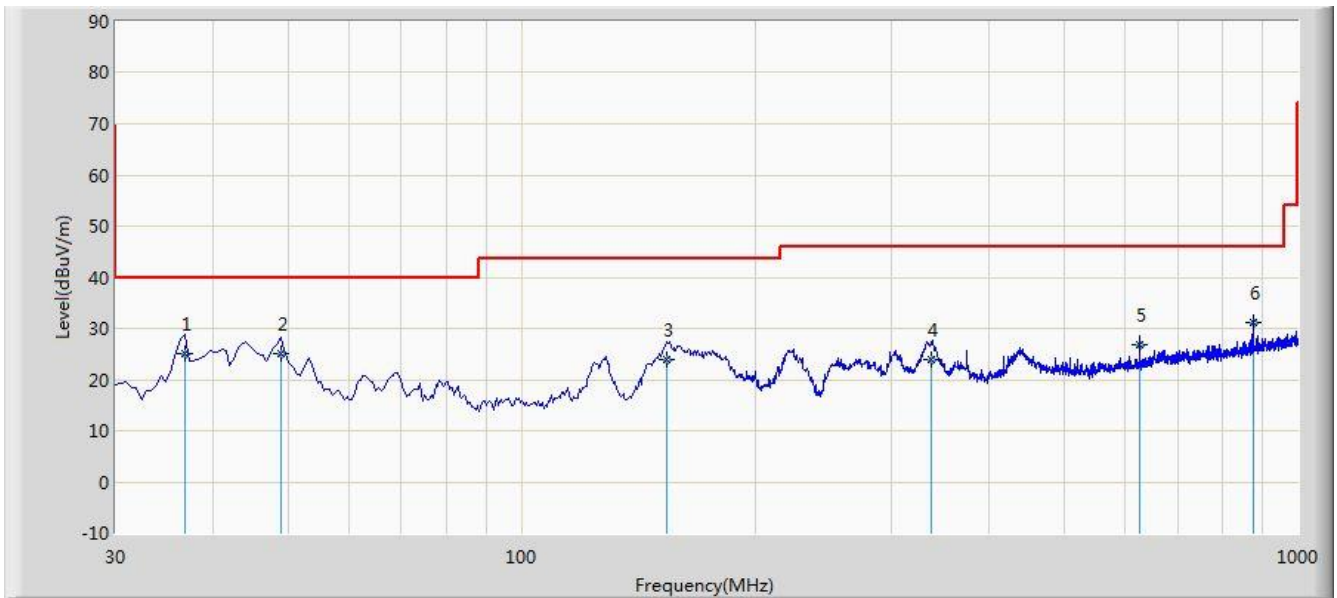
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Note 3: 經初測驗證過, 1GHz 以下輻射干擾測試對測試頻道數並無差異, 故僅檢附最差狀況之測試頻道。

Site: AC1	Time: 2019/02/24 - 12:59
Limit: NCC LP0002_30MHz-1GHz_QP	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: There is the worst case within frequency range 30MHz~1GHz.	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	36.800	25.123	11.850	-14.877	40.000	13.272	QP
2			48.920	24.990	10.020	-15.010	40.000	14.970	QP
3			154.180	23.833	14.090	-19.667	43.500	9.743	QP
4			337.950	24.042	8.230	-21.958	46.000	15.812	QP
5			625.000	26.745	6.120	-19.255	46.000	20.625	QP
6			875.000	31.045	6.830	-14.955	46.000	24.214	QP

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: 9kHz ~ 30MHz, 18GHz ~ 40GHz), therefore no data appear in the report.

Note 3: 經初測驗證過，1GHz 以下輻射干擾測試對測試頻道數並無差異，故僅檢附最差狀況之測試頻道。

5.6 頻帶邊緣

5.6.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。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。（待測物擺設方式根據 ANSI C63.10-2014版，待測物放置桌中心，1G以下擺設高度為80cm/1G以上擺設高度為150cm）

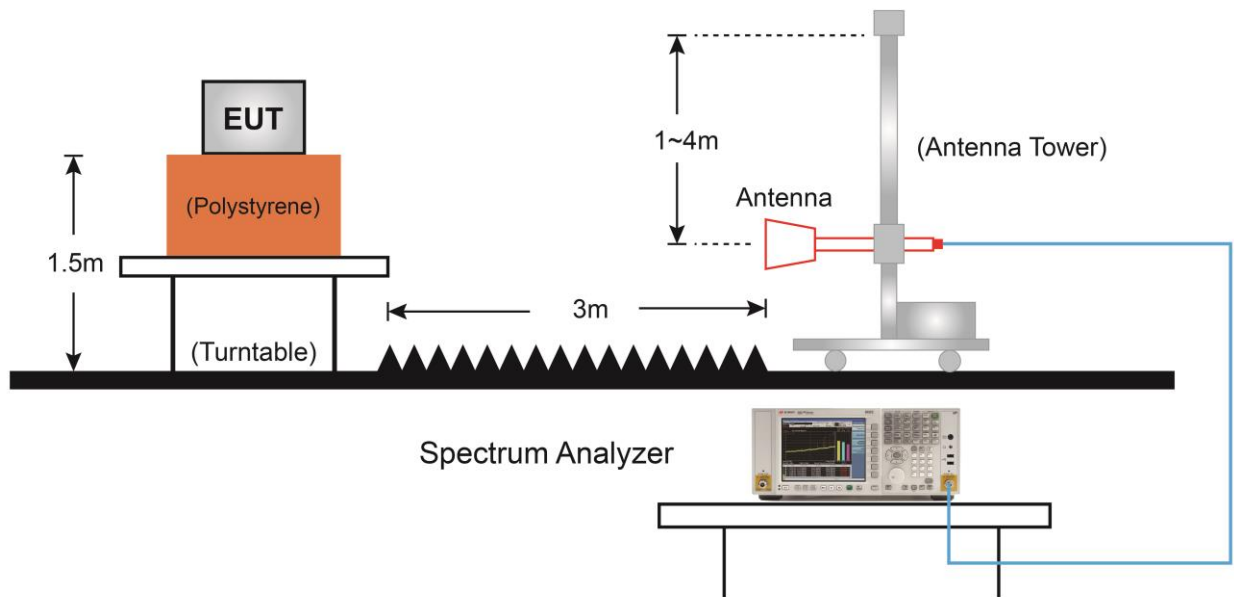
- (1) 任一頻率小於或等於1000 MHz 之訊號,使用CISPR準峰值檢波器
- (2) 任一頻率大於1000 MHz 之訊號，使用平均值檢波器測量(RBW:1MHz,VBW:10Hz)，當規定之發射限制值為平均值時(含1000 MHz 以下)，受測訊號藉由峰值檢波器(RBW:1MHz,VBW:3MHz)所測量之峰值，亦須符合峰值發射限制值，其峰值發射限制值為最大容許平均值加20 dB。

5.6.2 限制要求

除低功率射頻電機技術規範另有規定外，任何低功率射頻電機之主波皆不得使用下表所列各頻段之頻率低功率射頻電機落於下表所列頻帶內之混附發射，其電場強度必須符合低功率射頻電機技術規範之第2.8節限制規定

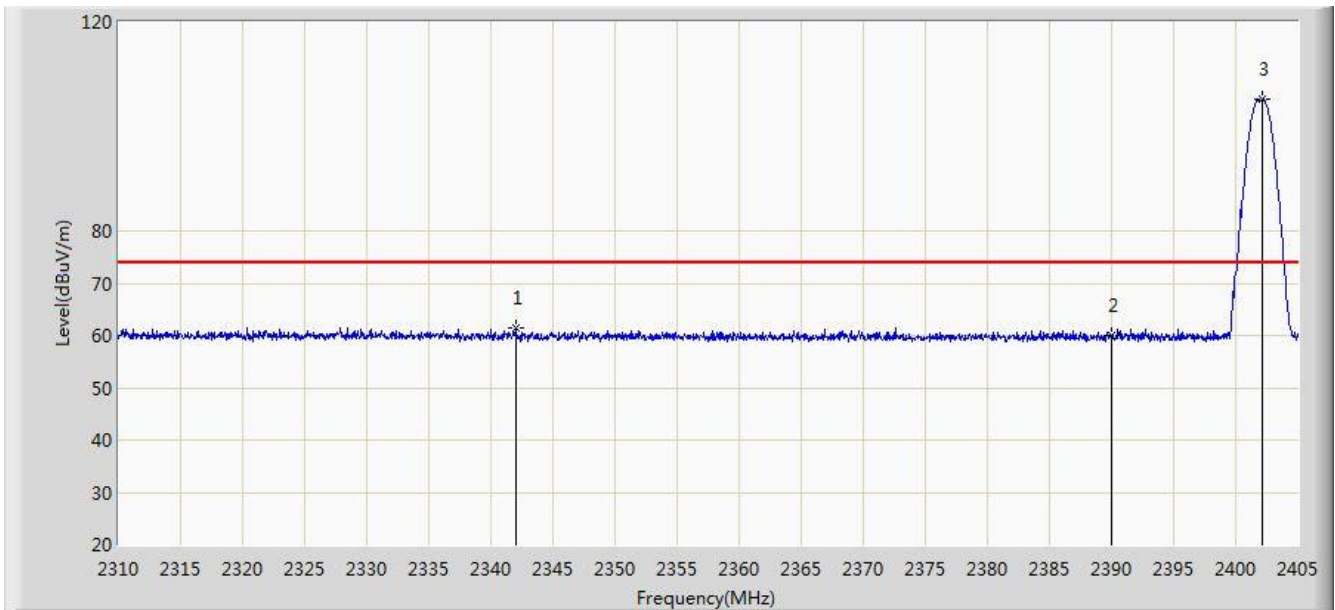
頻 率(MHz)	頻 率(MHz)	頻 率(MHz)	頻 率(MHz)	頻 率(MHz)
0.090~0.110	25.500~25.700	703.00~748.00	2310.0~2390.0	13250~13400
0.490~0.510	37.475~38.275	758.00~803.00	2483.5~2900.0	14470~14500
2.172~2.198	73.500~75.400	825.00~915.00	3260.0~3267.0	15350~16200
3.013~3.033	108.00~138.00	930.00~1240.0	3332.0~3339.03	17700~21400
4.115~4.198	149.90~150.05	1300.0~1427.0	33345.8~3358.0	22010~23120
5.670~5.690	156.70~156.90	1435.0~1626.5	3500.0~4400.0	23600~24000
6.200~6.300	162.01~167.17	1660.0~1770.0	4500.0~5250.0	31200~31800
8.230~8.400	167.72~173.20	1805.0~1865.0	5350.0~5460.0	36430~36500
12.265~12.600	240.00~285.00	1885.0~1900.0	7250.0~7750.0	38600 以上
13.340~13.430	322.00~335.40	1905.0~1985.0	8025.0~8500.0	
14.965~15.020	399.90~410.00	2015.0~2025.0	9000.0~9200.0	
16.700~16.755	485.00~510.00	2125.0~2165.0	9300.0~9500.0	
19.965~20.020	608.00~614.00	2200.0~2300.0	10600~12700	

5.6.3 測試架構圖



5.6.4 頻帶邊緣測試結果

Site: AC1	Time: 2019/02/12 - 20:51
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2402MHz	

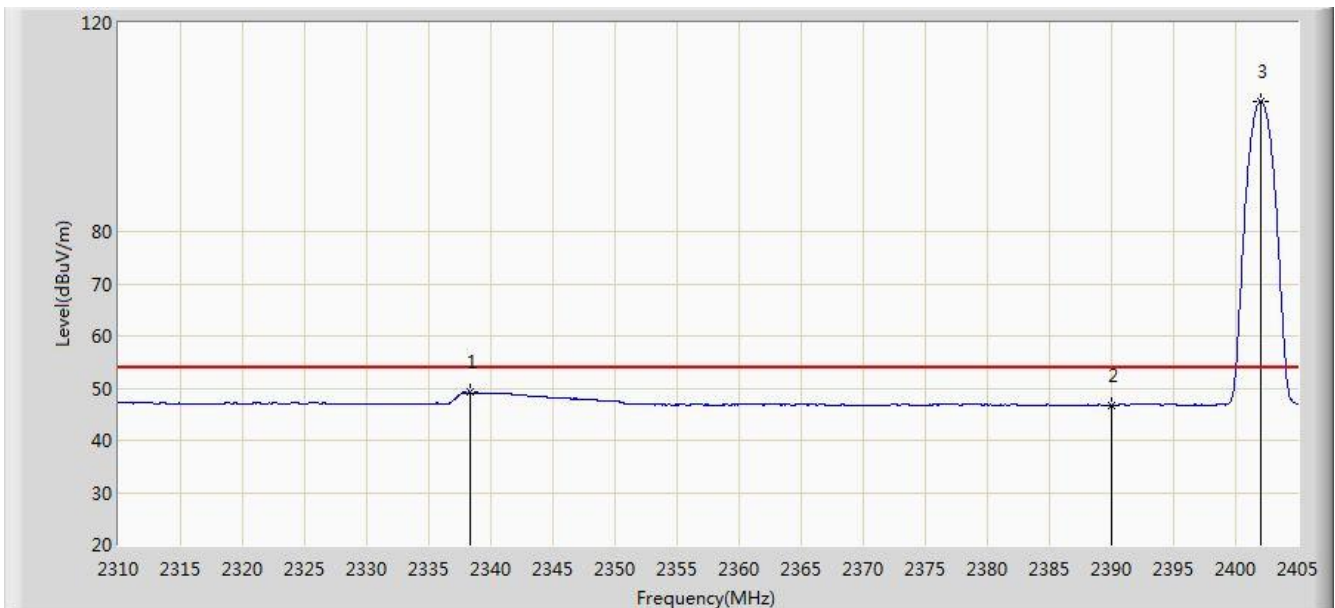


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2341.968	61.497	28.853	-12.503	74.000	32.644	PK
2			2390.000	59.944	27.390	-14.056	74.000	32.554	PK
3		*	2402.150	105.106	72.568	N/A	N/A	32.538	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 20:55
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2402MHz	

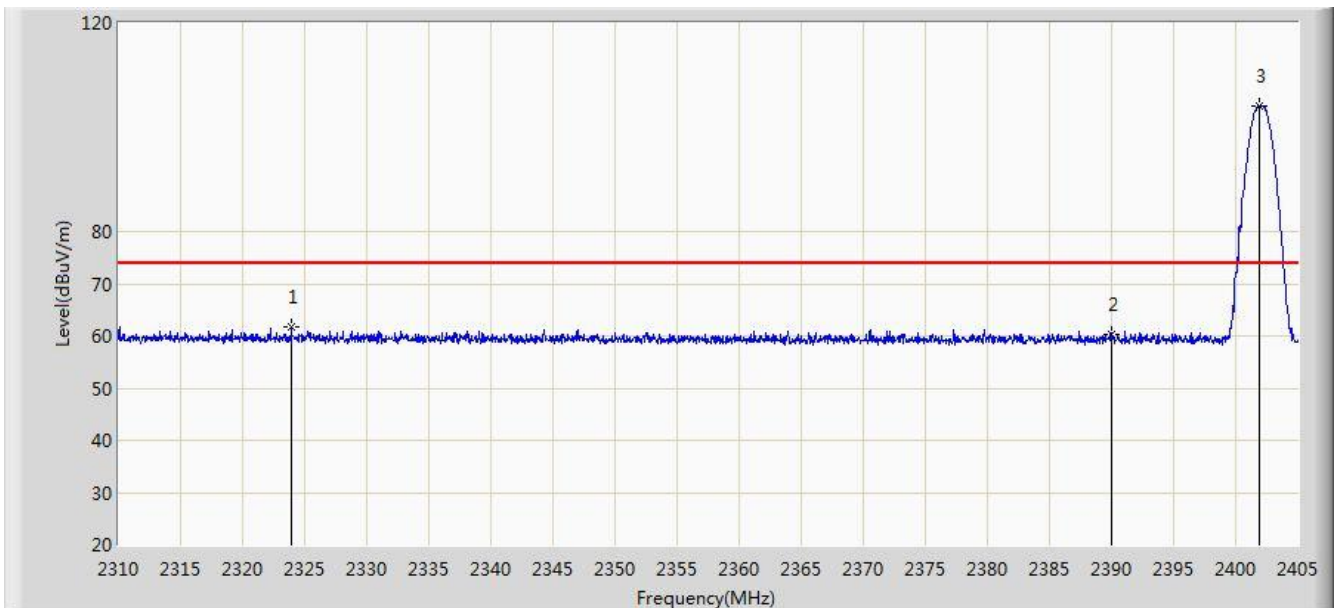


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2338.310	49.154	16.495	-4.846	54.000	32.659	AV
2			2390.000	46.799	14.245	-7.201	54.000	32.554	AV
3		*	2402.008	104.981	72.442	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:01
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2402MHz	

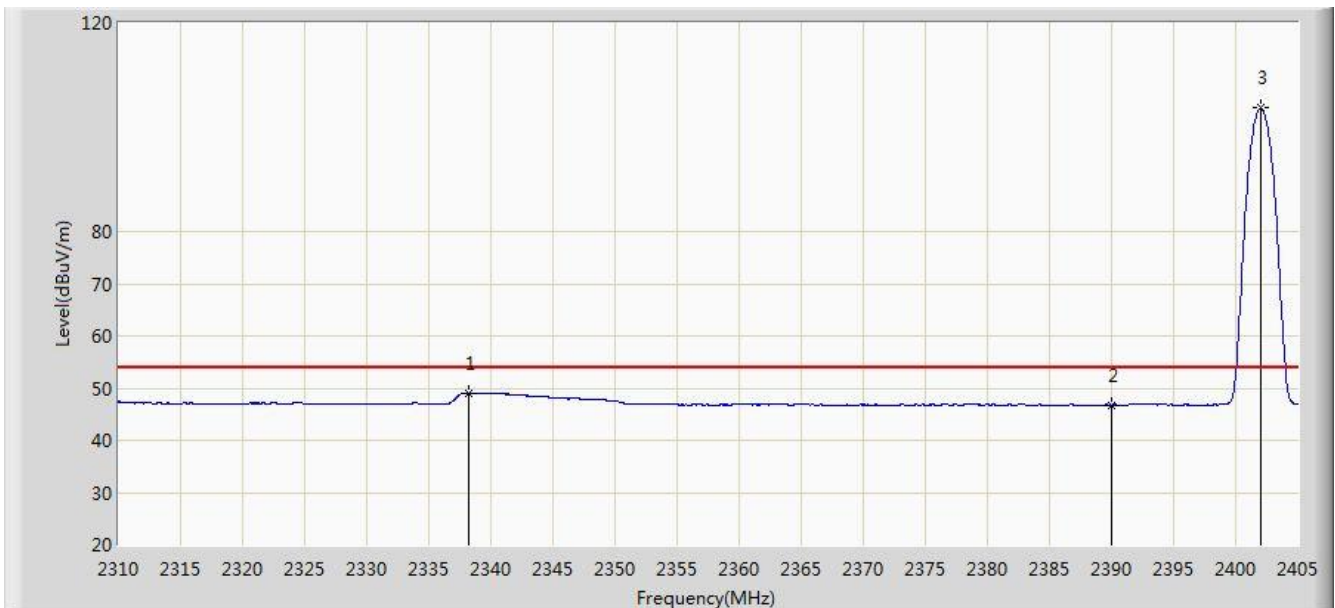


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2323.917	61.870	29.151	-12.130	74.000	32.719	PK
2			2390.000	60.171	27.617	-13.829	74.000	32.554	PK
3		*	2401.865	103.968	71.429	N/A	N/A	32.539	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:03
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2402MHz	

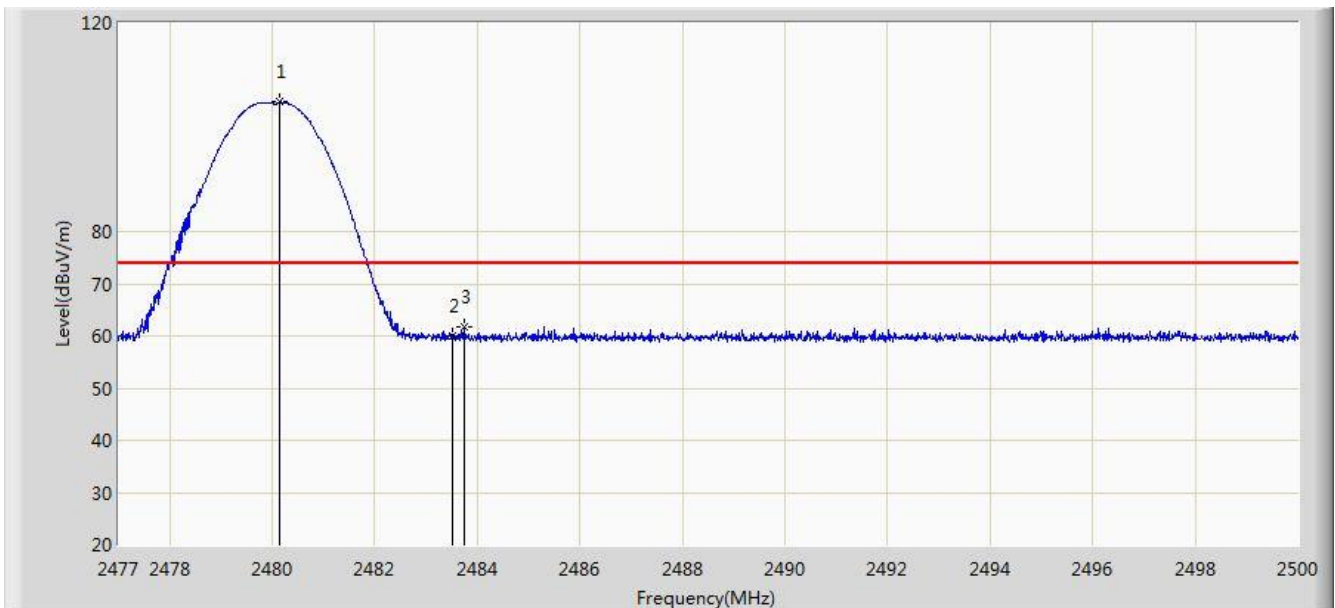


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2338.262	49.117	16.457	-4.883	54.000	32.660	AV
2			2390.000	46.724	14.170	-7.276	54.000	32.554	AV
3		*	2402.008	103.634	71.095	N/A	N/A	32.538	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:07
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2480MHz	

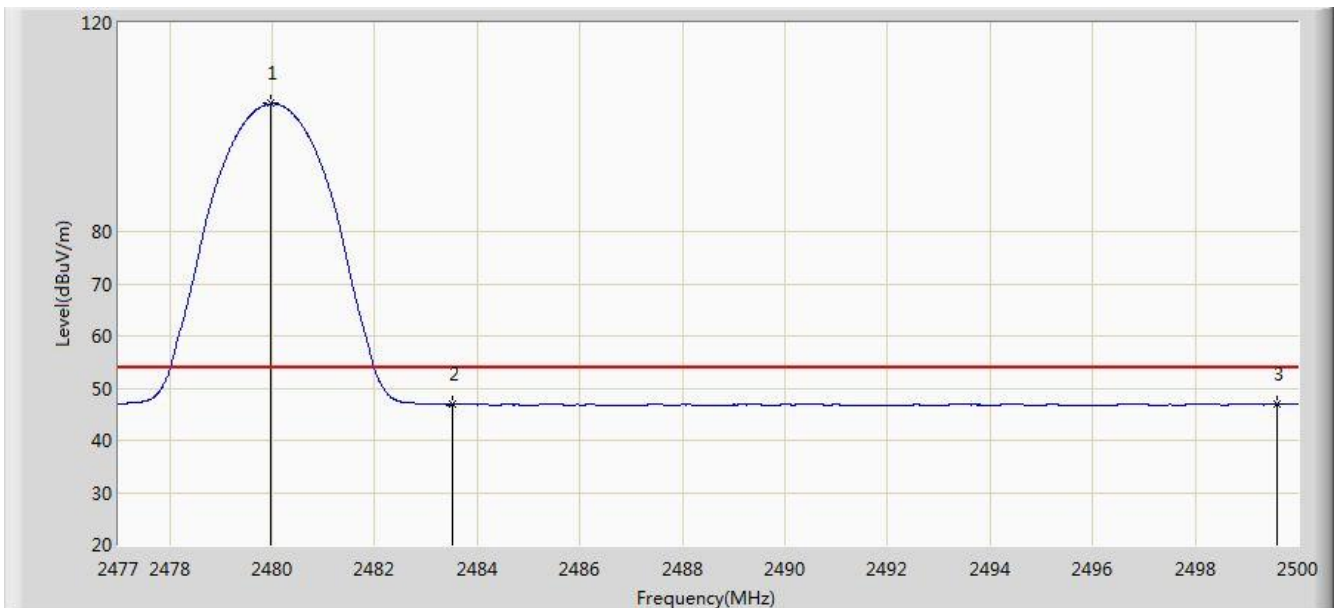


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.139	104.799	72.229	N/A	N/A	32.570	PK
2			2483.500	59.920	27.339	-14.080	74.000	32.580	PK
3			2483.739	61.795	29.214	-12.205	74.000	32.582	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:10
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2480MHz	

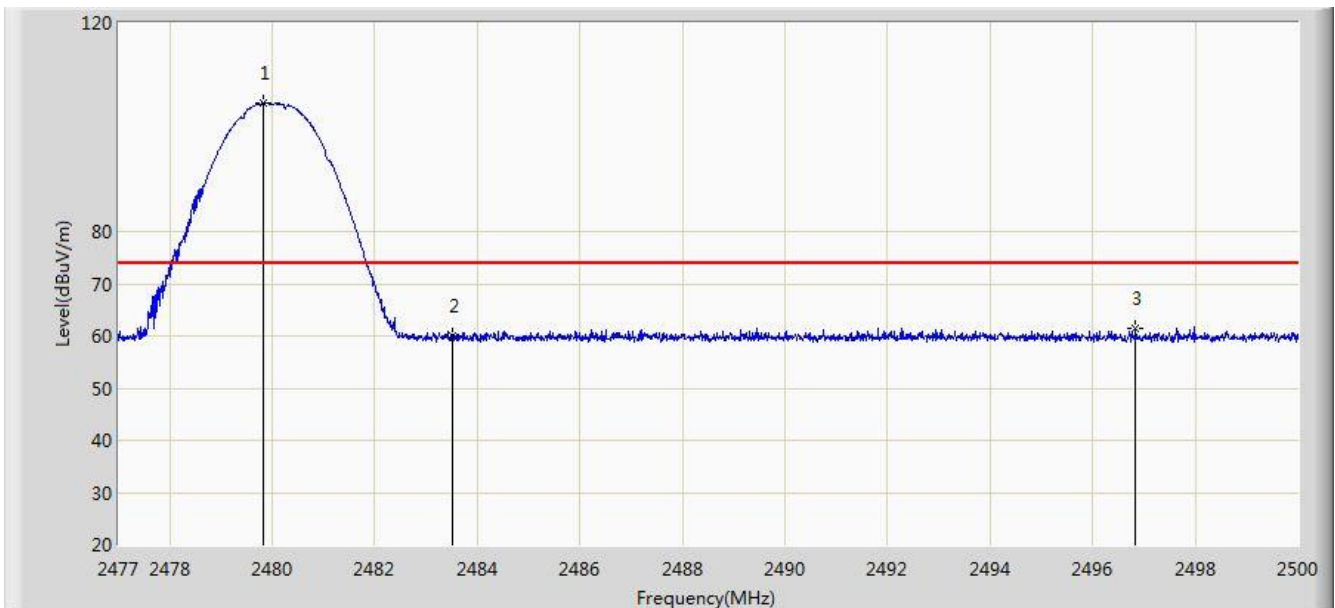


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.979	104.503	71.933	N/A	N/A	32.570	AV
2			2483.500	46.844	14.263	-7.156	54.000	32.580	AV
3			2499.597	46.881	14.254	-7.119	54.000	32.627	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:12
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2480MHz	

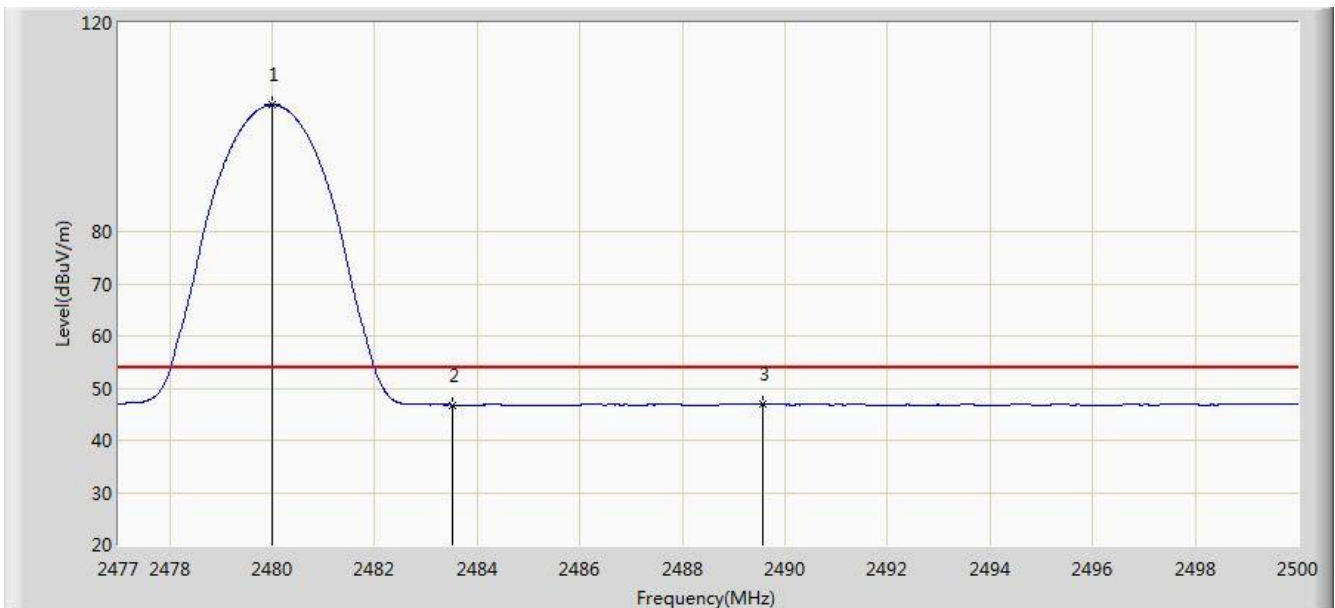


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.829	104.550	71.981	N/A	N/A	32.570	PK
2			2483.500	59.893	27.312	-14.107	74.000	32.580	PK
3			2496.837	61.538	28.918	-12.462	74.000	32.620	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:14
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by DH5 at Channel 2480MHz	

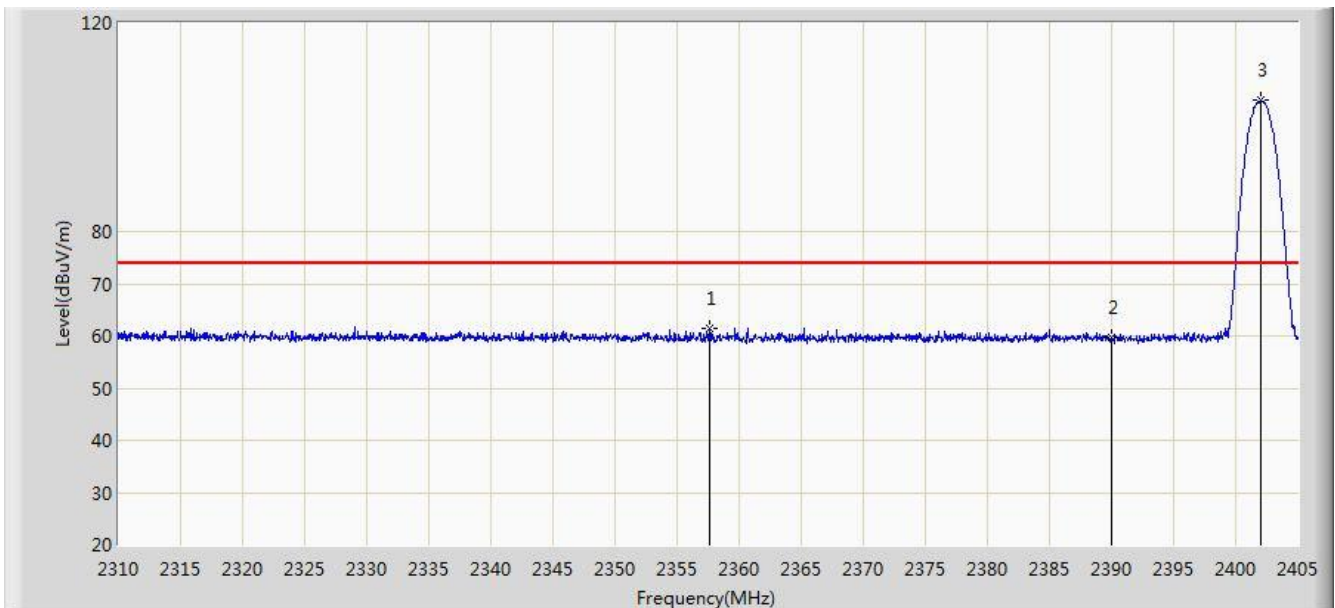


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.001	104.259	71.689	N/A	N/A	32.570	AV
2			2483.500	46.792	14.211	-7.208	54.000	32.580	AV
3			2489.558	47.049	14.450	-6.951	54.000	32.598	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:16
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2402MHz	

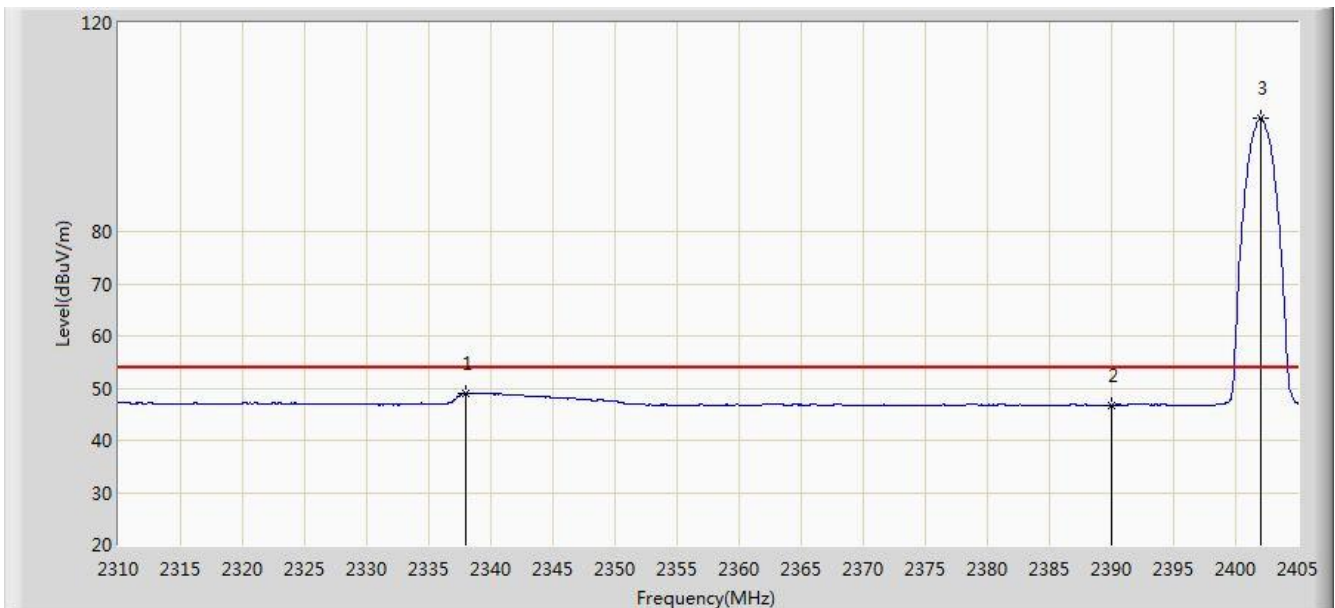


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2357.643	61.473	28.871	-12.527	74.000	32.603	PK
2			2390.000	59.832	27.278	-14.168	74.000	32.554	PK
3		*	2402.055	105.163	72.625	N/A	N/A	32.538	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:18
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2402MHz	

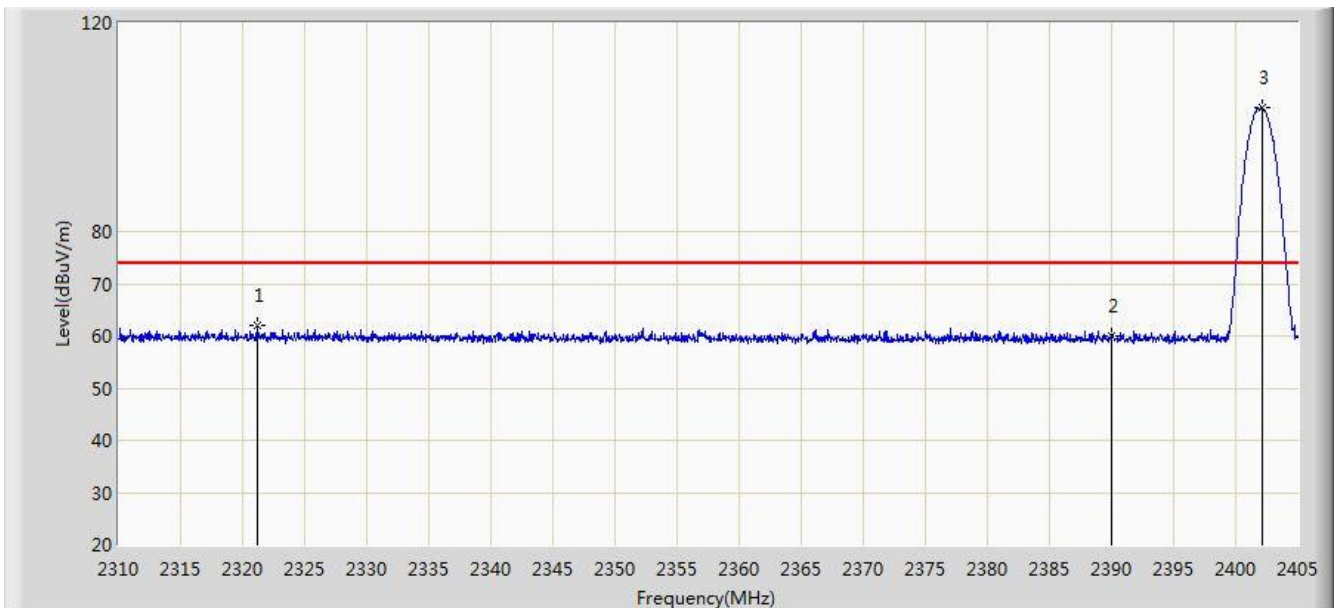


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2337.930	49.116	16.455	-4.884	54.000	32.660	AV
2			2390.000	46.678	14.124	-7.322	54.000	32.554	AV
3		*	2402.008	101.709	69.170	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:19
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2402MHz	

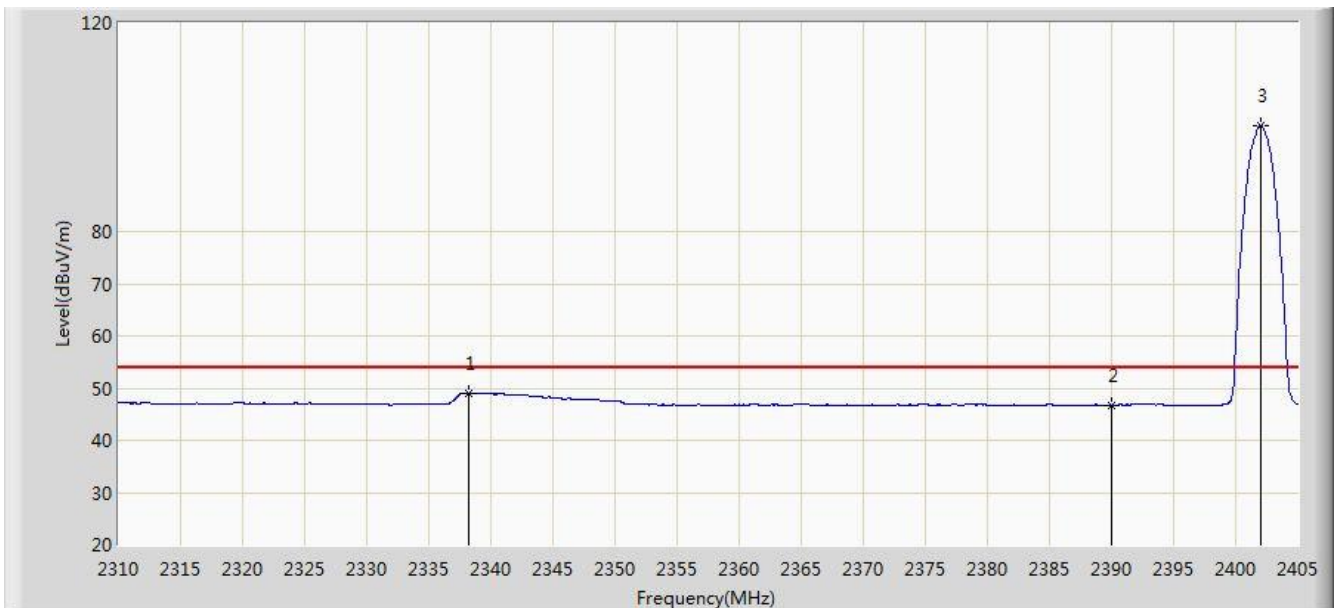


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2321.163	62.123	29.392	-11.877	74.000	32.731	PK
2			2390.000	60.084	27.530	-13.916	74.000	32.554	PK
3		*	2402.103	103.678	71.140	N/A	N/A	32.538	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:21
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2402MHz	

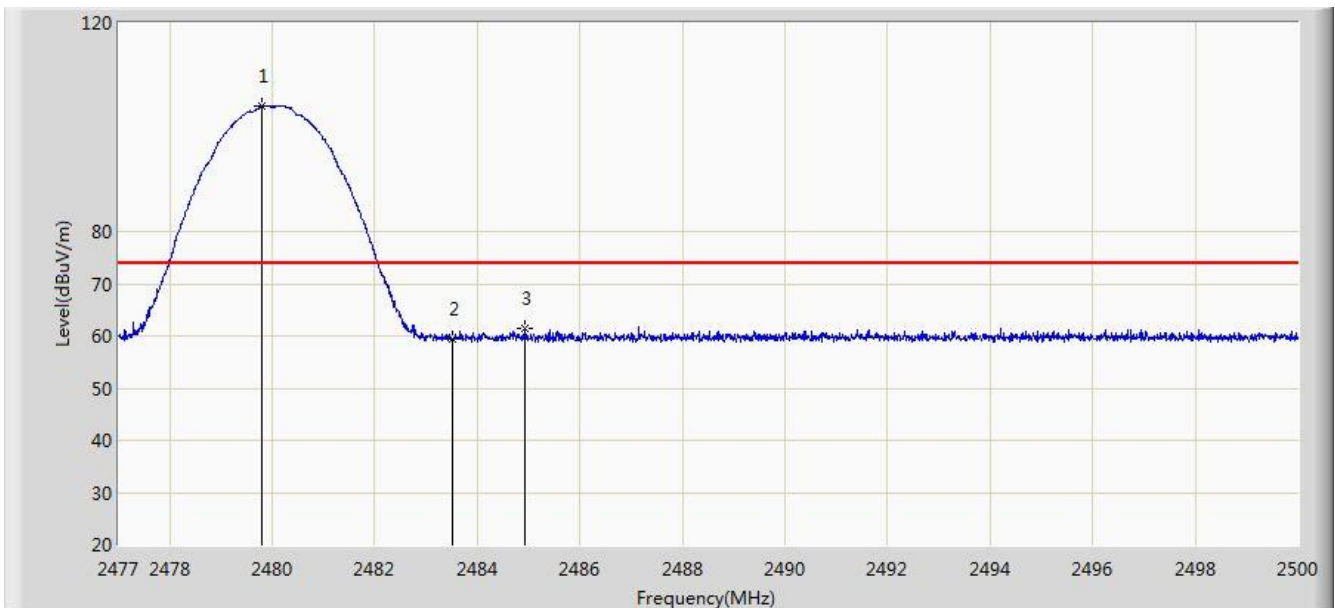


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2338.262	49.069	16.409	-4.931	54.000	32.660	AV
2			2390.000	46.764	14.210	-7.236	54.000	32.554	AV
3		*	2402.008	100.399	67.860	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:23
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2480MHz	

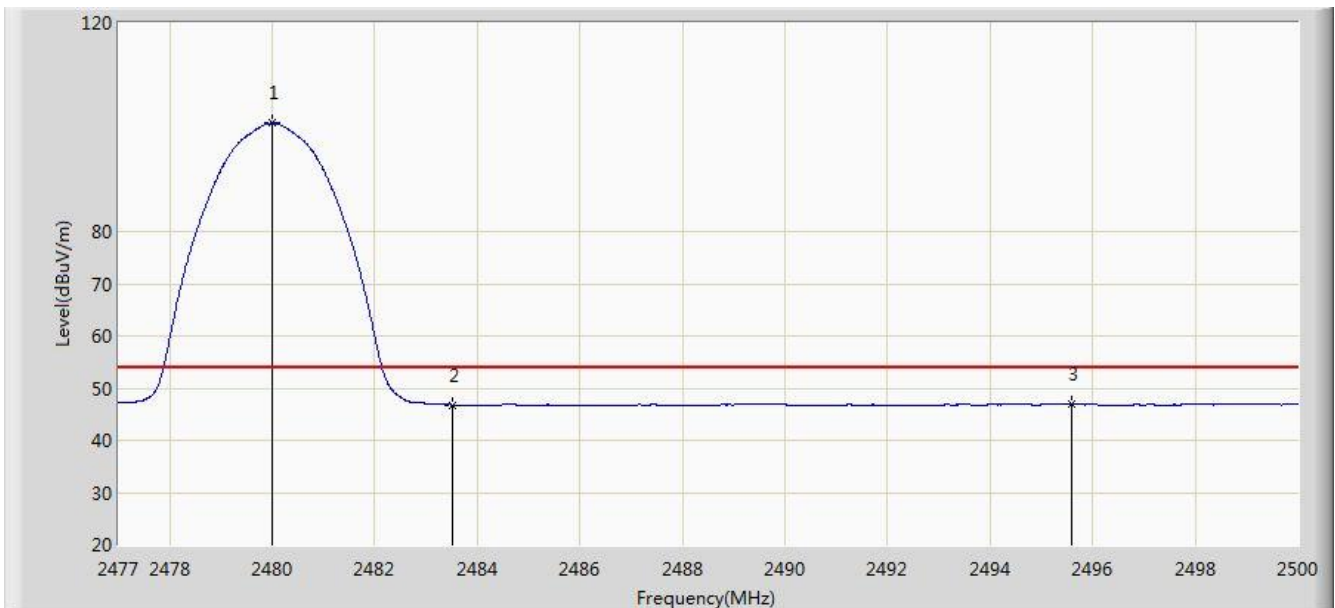


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.806	104.191	71.622	N/A	N/A	32.569	PK
2			2483.500	59.471	26.890	-14.529	74.000	32.580	PK
3			2484.912	61.469	28.884	-12.531	74.000	32.585	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:25
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2480MHz	

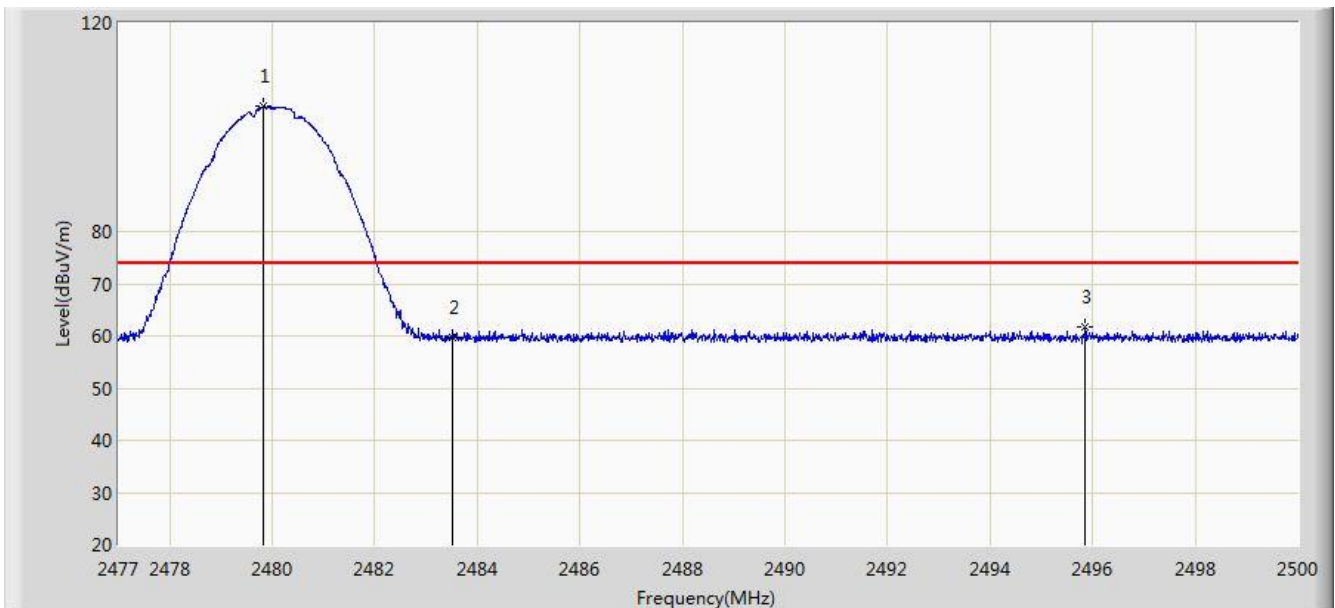


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.990	100.755	68.185	N/A	N/A	32.570	AV
2			2483.500	46.799	14.218	-7.201	54.000	32.580	AV
3			2495.595	46.885	14.268	-7.115	54.000	32.617	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:26
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2480MHz	

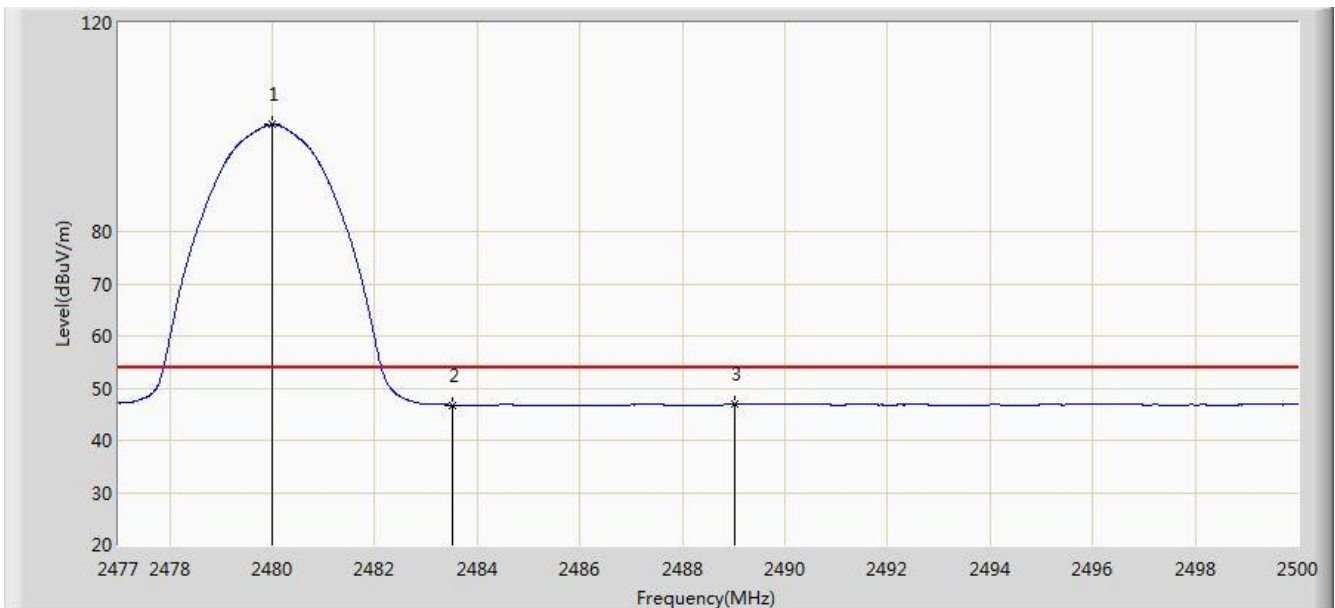


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.817	103.972	71.403	N/A	N/A	32.569	PK
2			2483.500	59.740	27.159	-14.260	74.000	32.580	PK
3			2495.848	61.727	29.109	-12.273	74.000	32.618	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:28
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 2DH5 at Channel 2480MHz	

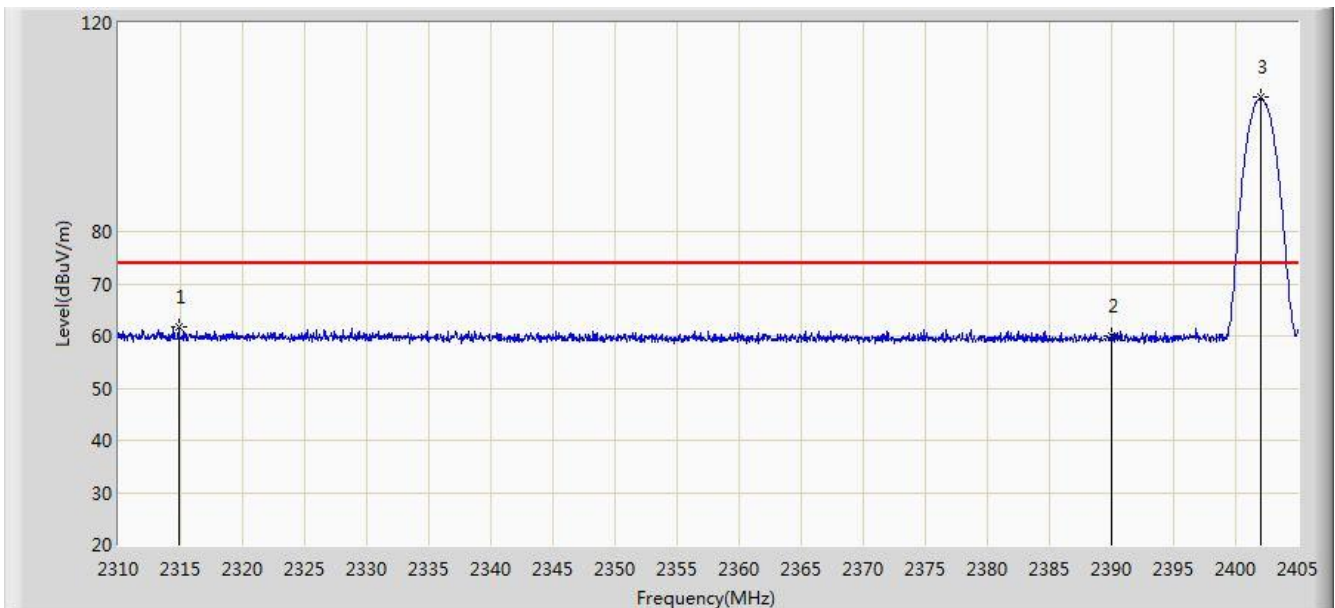


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.990	100.465	67.895	N/A	N/A	32.570	AV
2			2483.500	46.743	14.162	-7.257	54.000	32.580	AV
3			2489.029	46.946	14.349	-7.054	54.000	32.597	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:30
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2402MHz	

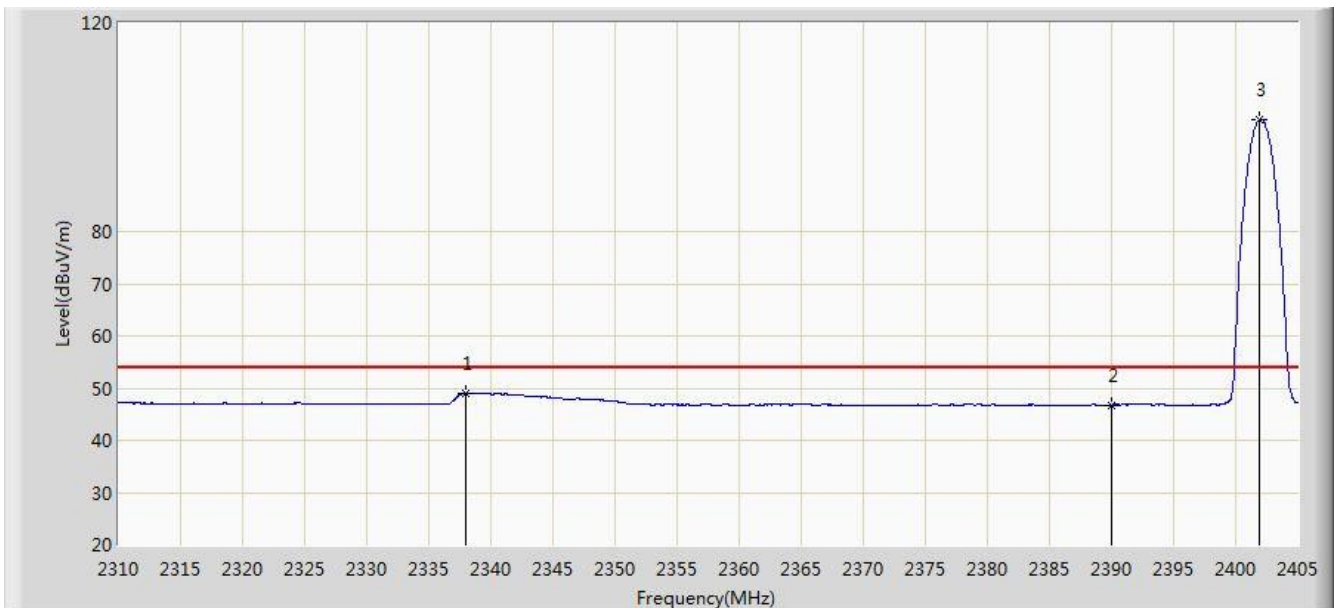


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2314.845	61.786	29.029	-12.214	74.000	32.758	PK
2			2390.000	59.908	27.354	-14.092	74.000	32.554	PK
3		*	2402.008	105.718	73.179	N/A	N/A	32.538	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:33
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2402MHz	

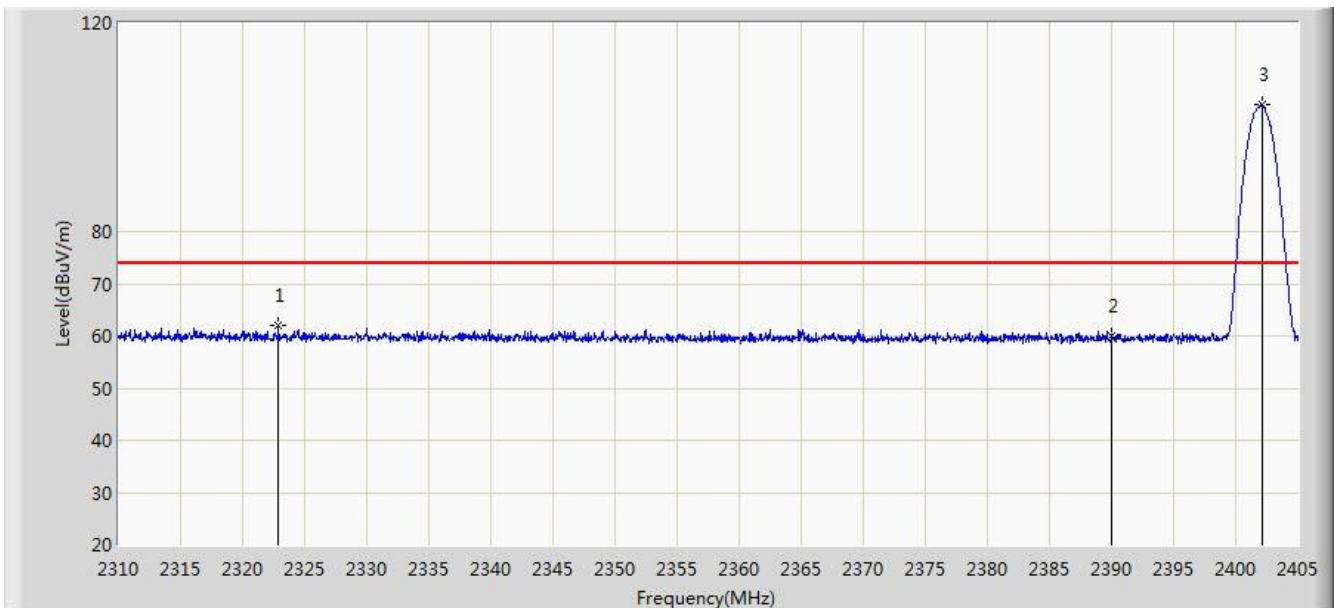


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2338.025	49.080	16.419	-4.920	54.000	32.661	AV
2			2390.000	46.751	14.197	-7.249	54.000	32.554	AV
3		*	2401.960	101.582	69.043	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:34
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2402MHz	

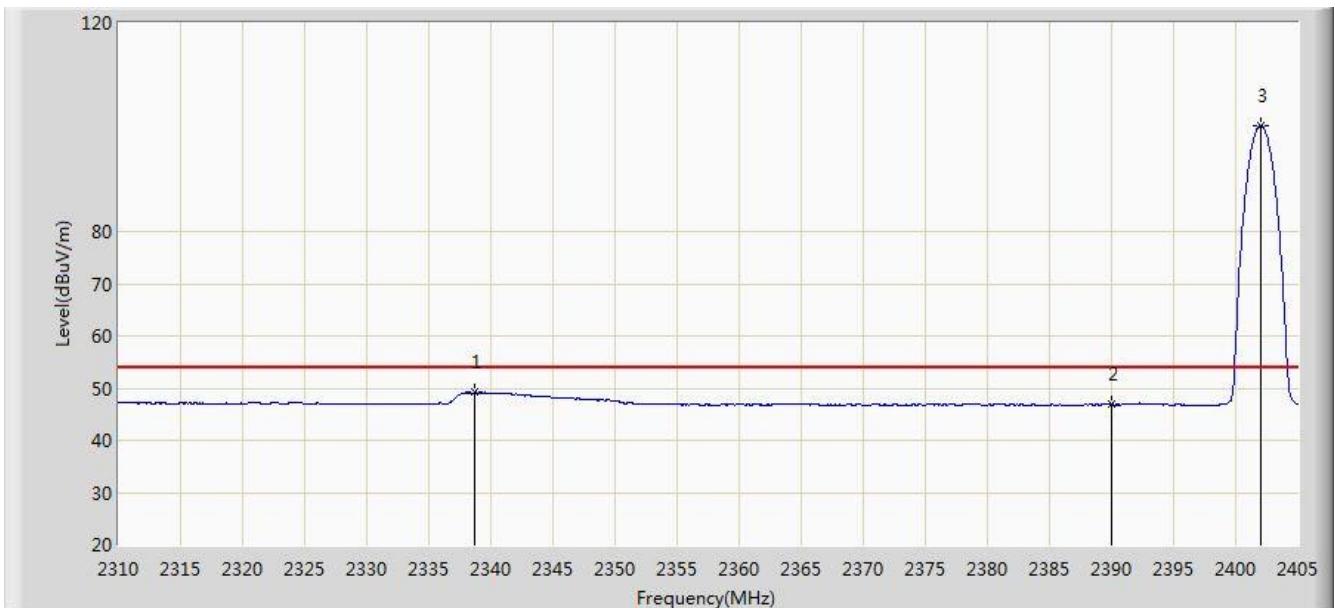


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2322.873	61.977	29.253	-12.023	74.000	32.724	PK
2			2390.000	60.059	27.505	-13.941	74.000	32.554	PK
3		*	2402.103	104.281	71.743	N/A	N/A	32.538	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:36
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2402MHz	

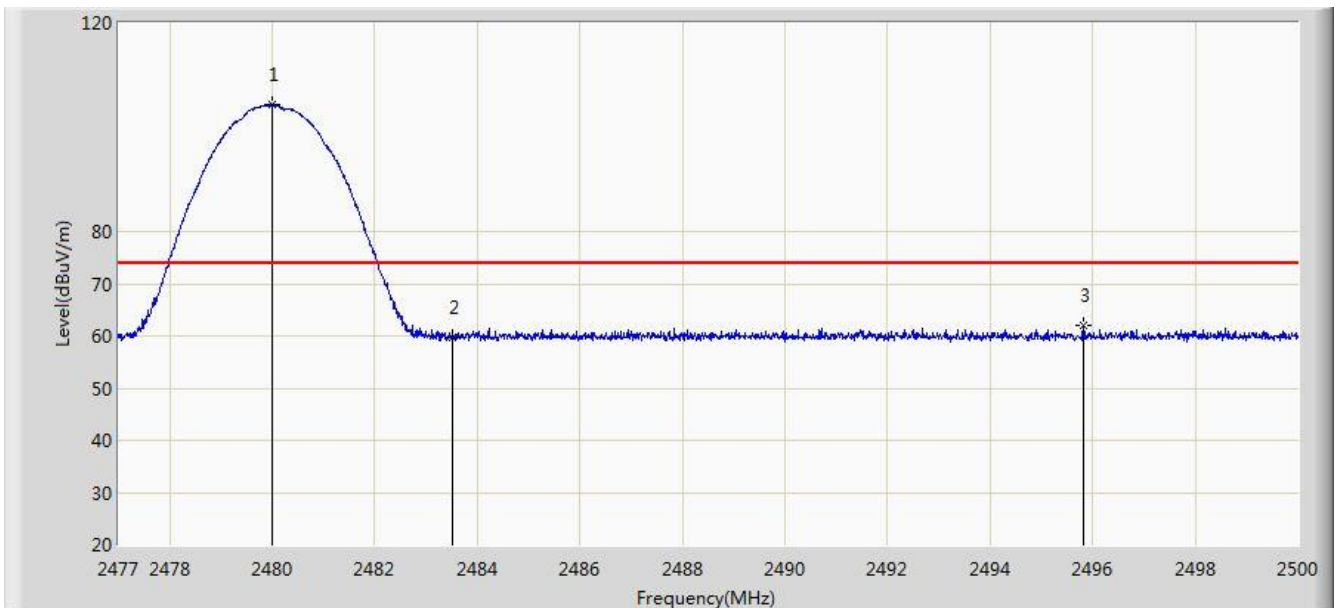


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2338.738	49.178	16.520	-4.822	54.000	32.657	AV
2			2390.000	46.877	14.323	-7.123	54.000	32.554	AV
3		*	2402.008	100.341	67.802	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:40
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2480MHz	

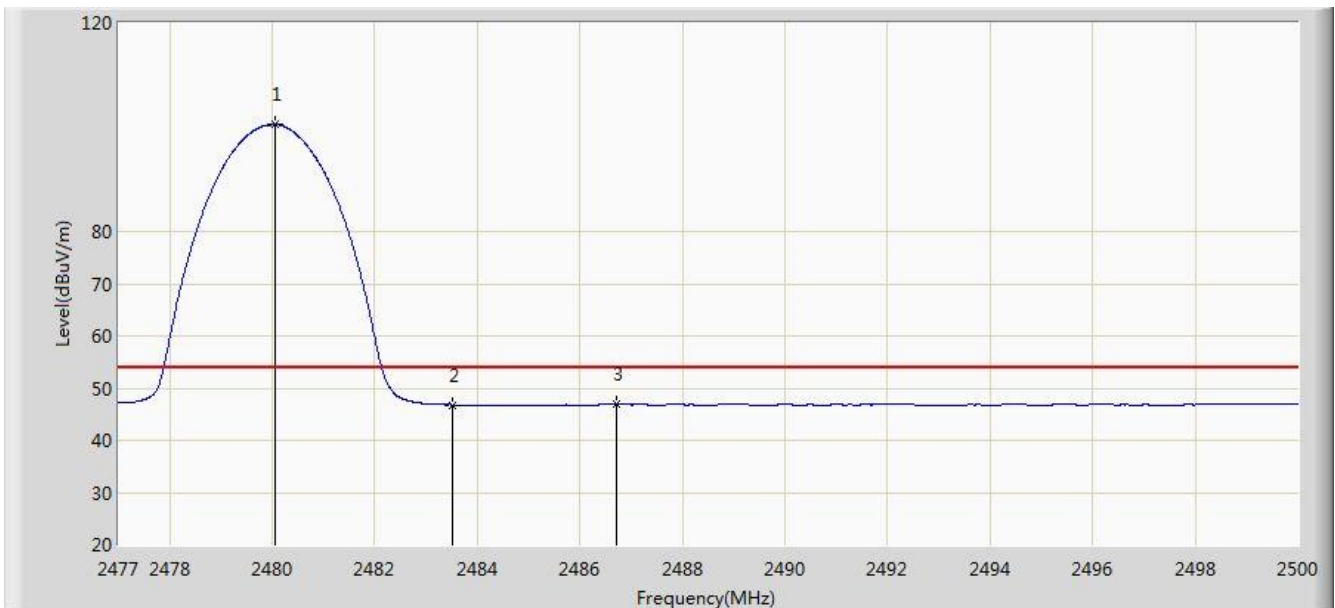


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.001	104.464	71.894	N/A	N/A	32.570	PK
2			2483.500	59.629	27.048	-14.371	74.000	32.580	PK
3			2495.825	61.931	29.314	-12.069	74.000	32.618	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:45
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2480MHz	

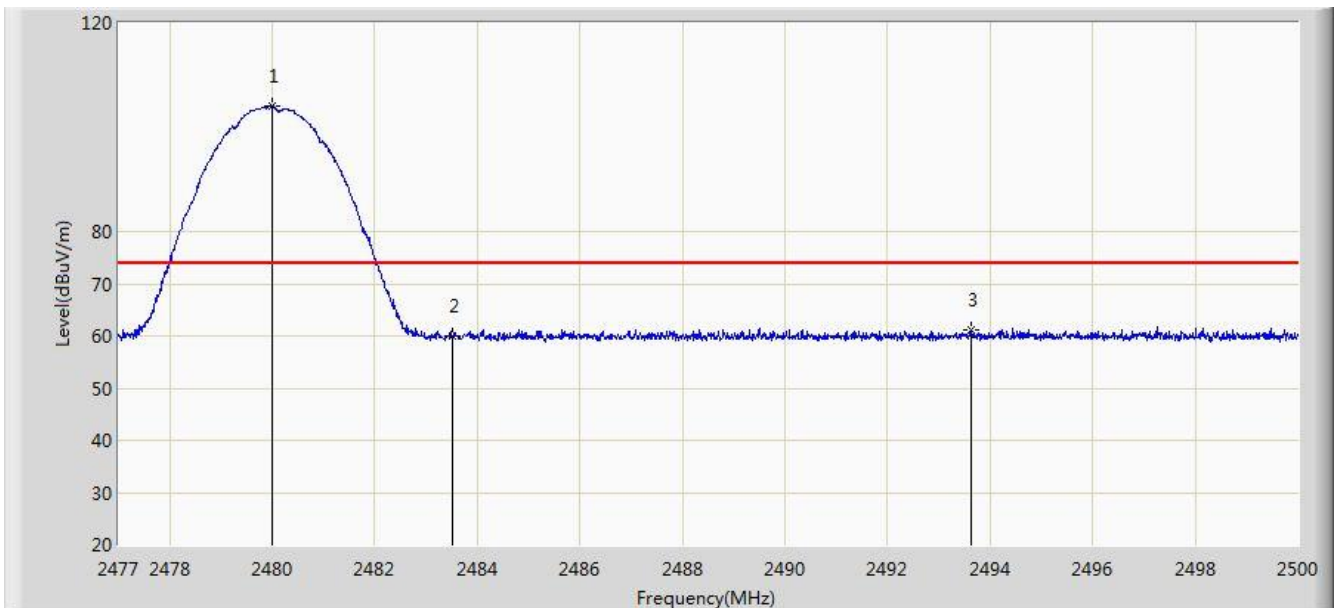


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.059	100.474	67.904	N/A	N/A	32.570	AV
2			2483.500	46.803	14.222	-7.197	54.000	32.580	AV
3			2486.706	46.908	14.318	-7.092	54.000	32.590	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:48
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2480MHz	

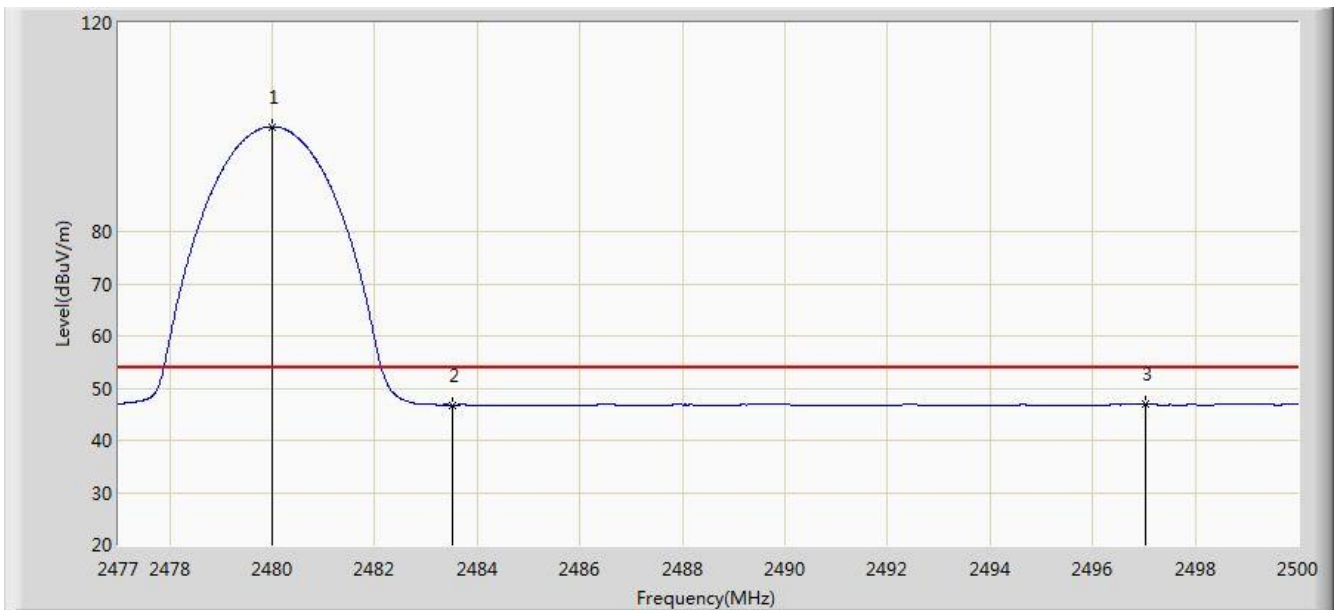


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.990	104.152	71.582	N/A	N/A	32.570	PK
2			2483.500	59.870	27.289	-14.130	74.000	32.580	PK
3			2493.617	61.233	28.622	-12.767	74.000	32.611	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 21:50
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 3DH5 at Channel 2480MHz	

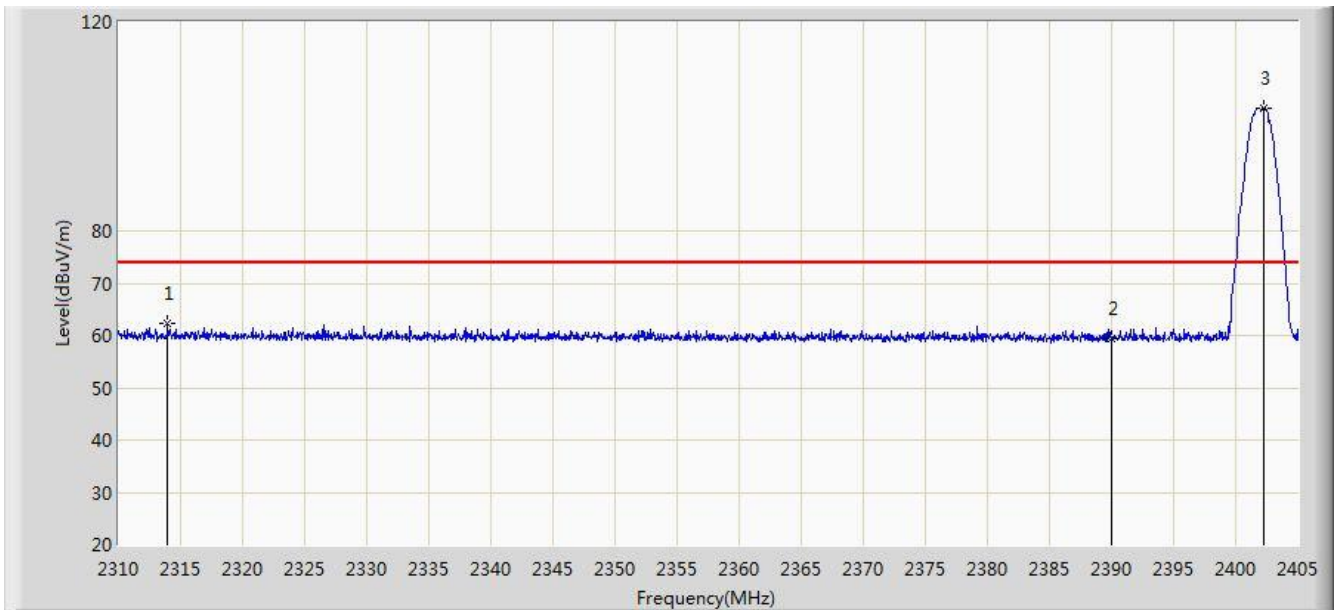


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.990	100.096	67.526	N/A	N/A	32.570	AV
2			2483.500	46.786	14.205	-7.214	54.000	32.580	AV
3			2497.021	46.937	14.316	-7.063	54.000	32.621	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 22:00
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2402MHz	

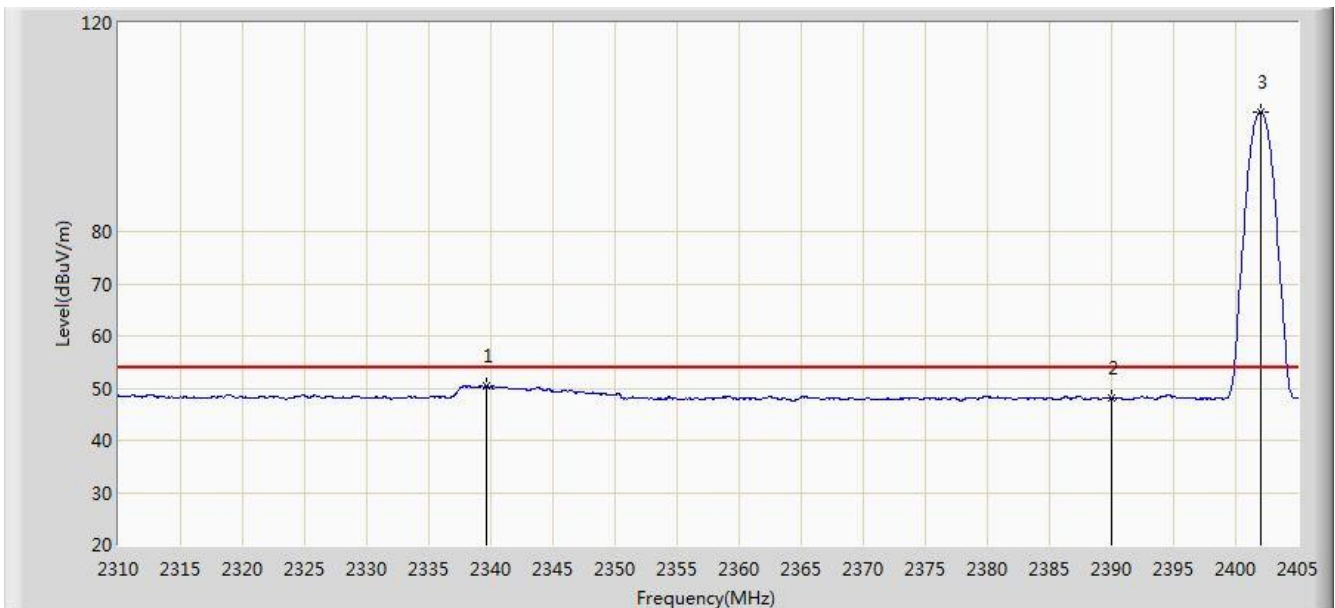


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2313.942	62.265	29.504	-11.735	74.000	32.762	PK
2			2390.000	59.504	26.950	-14.496	74.000	32.554	PK
3		*	2402.245	103.573	71.035	N/A	N/A	32.539	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 22:16
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2402MHz	

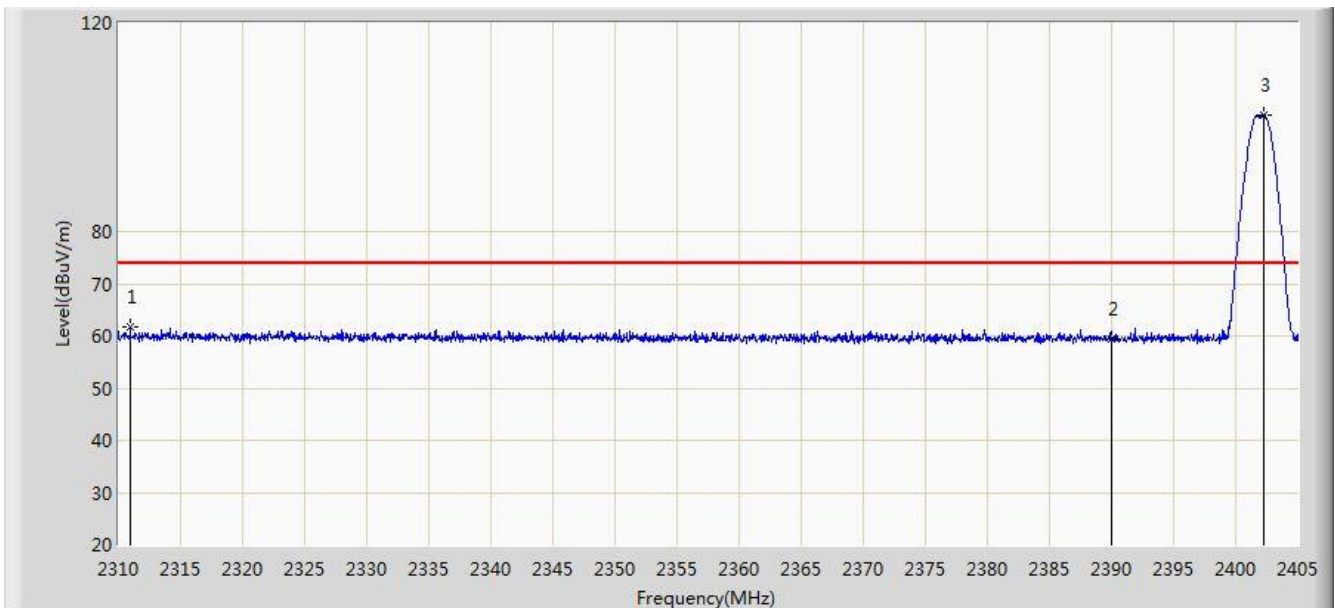


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2339.640	50.404	17.750	-3.596	54.000	32.654	AV
2			2390.000	48.111	15.557	-5.889	54.000	32.554	AV
3		*	2402.008	102.949	70.410	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 22:16
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2402MHz	

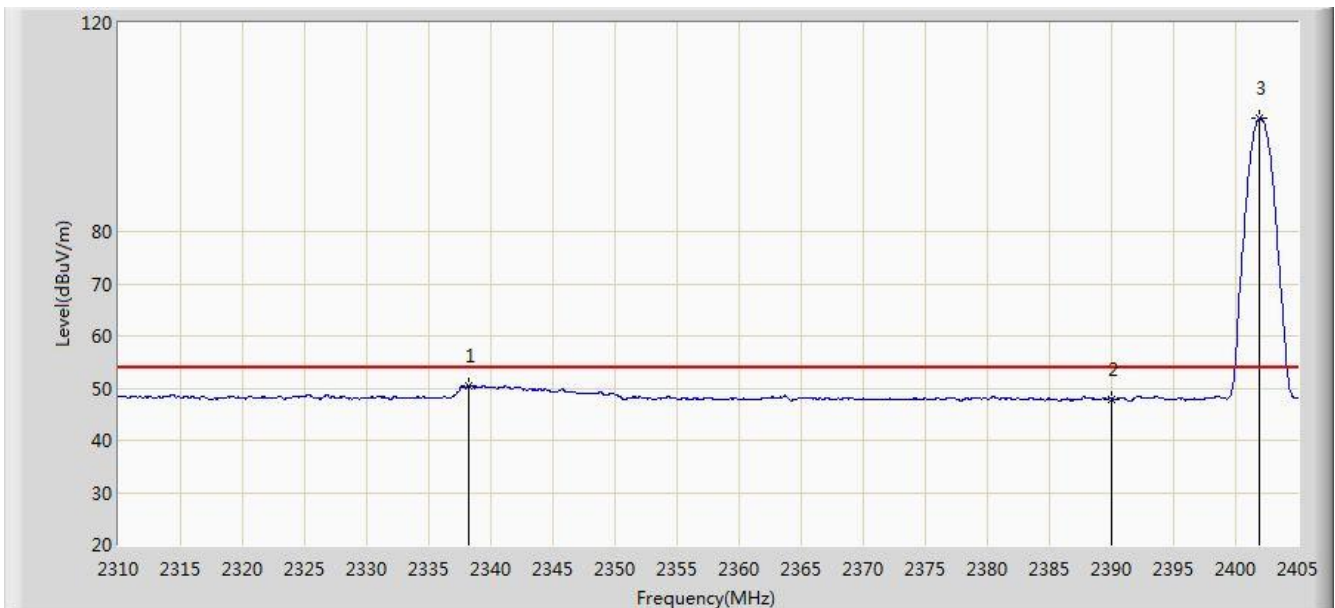


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2310.950	61.828	29.054	-12.172	74.000	32.774	PK
2			2390.000	59.492	26.938	-14.508	74.000	32.554	PK
3		*	2402.292	102.304	69.766	N/A	N/A	32.539	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 22:18
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2402MHz	

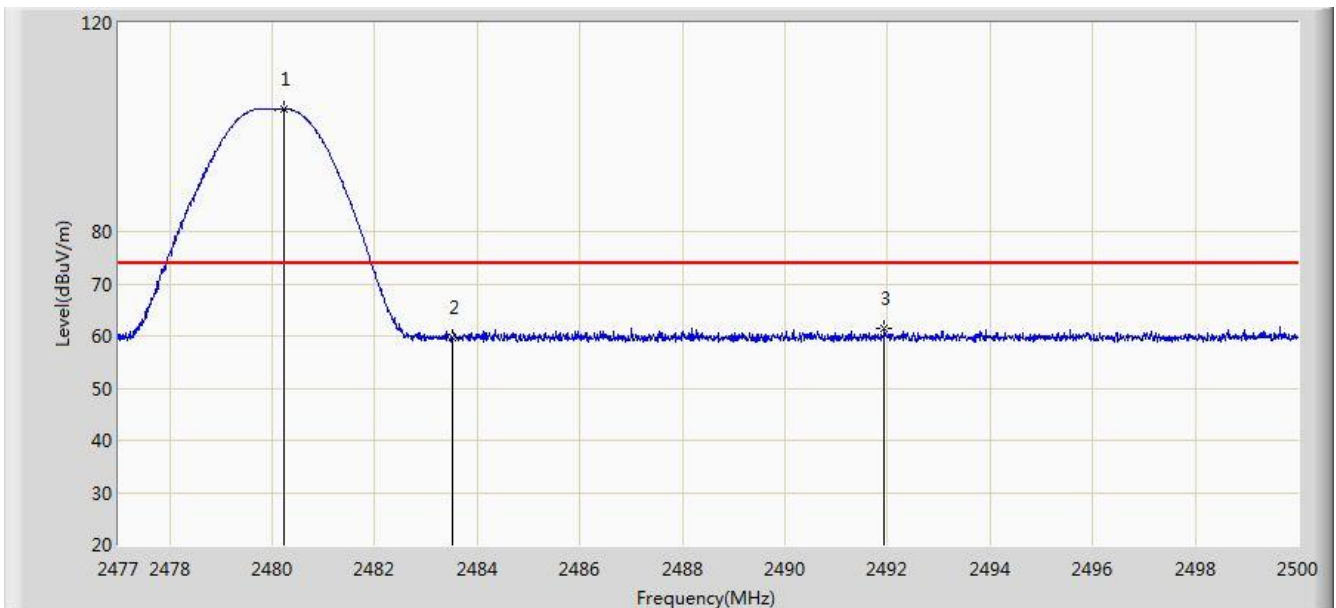


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2338.262	50.469	17.809	-3.531	54.000	32.660	AV
2			2390.000	47.950	15.396	-6.050	54.000	32.554	AV
3		*	2401.960	101.725	69.186	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 22:19
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2480MHz	

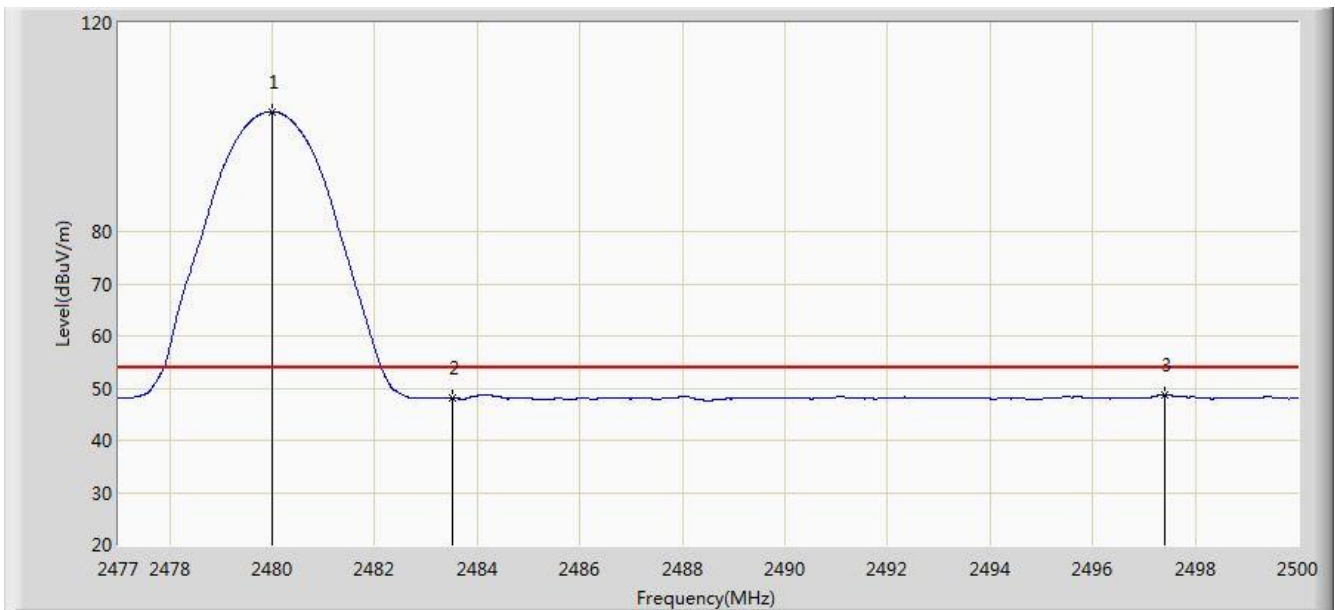


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.231	103.540	70.969	N/A	N/A	32.570	PK
2			2483.500	59.603	27.022	-14.397	74.000	32.580	PK
3			2491.938	61.569	28.963	-12.431	74.000	32.606	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 22:28
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2480MHz	

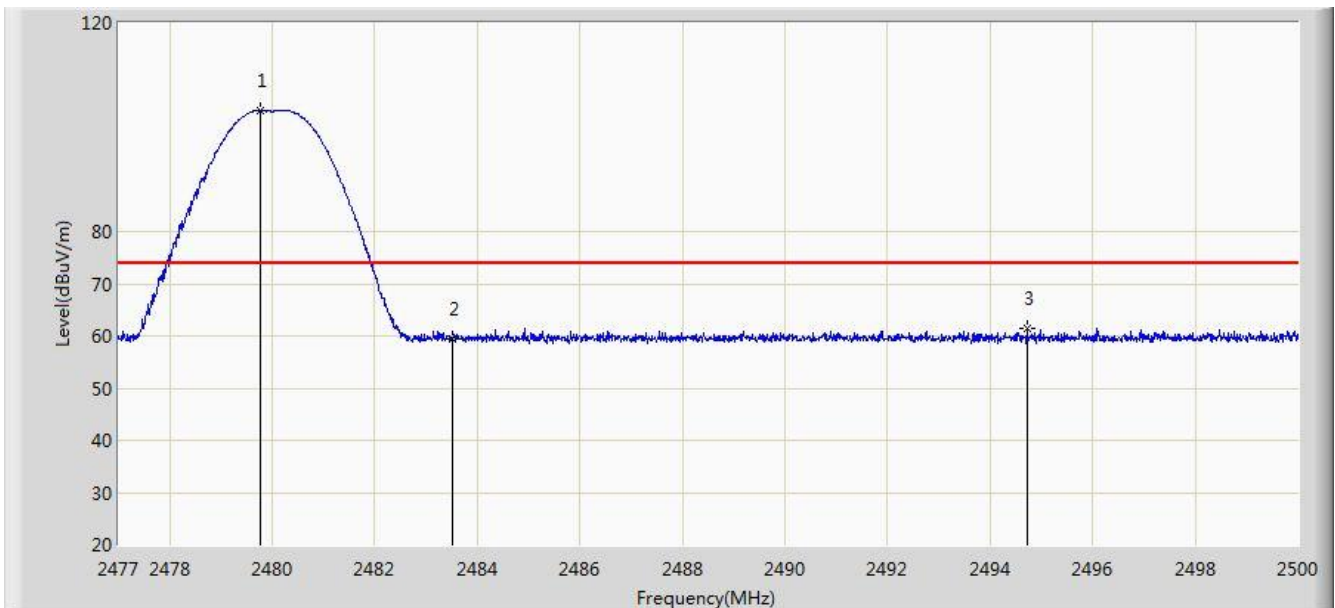


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2480.001	102.929	70.359	N/A	N/A	32.570	AV
2			2483.500	48.034	15.453	-5.966	54.000	32.580	AV
3			2497.401	48.644	16.022	-5.356	54.000	32.622	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 23:38
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2480MHz	

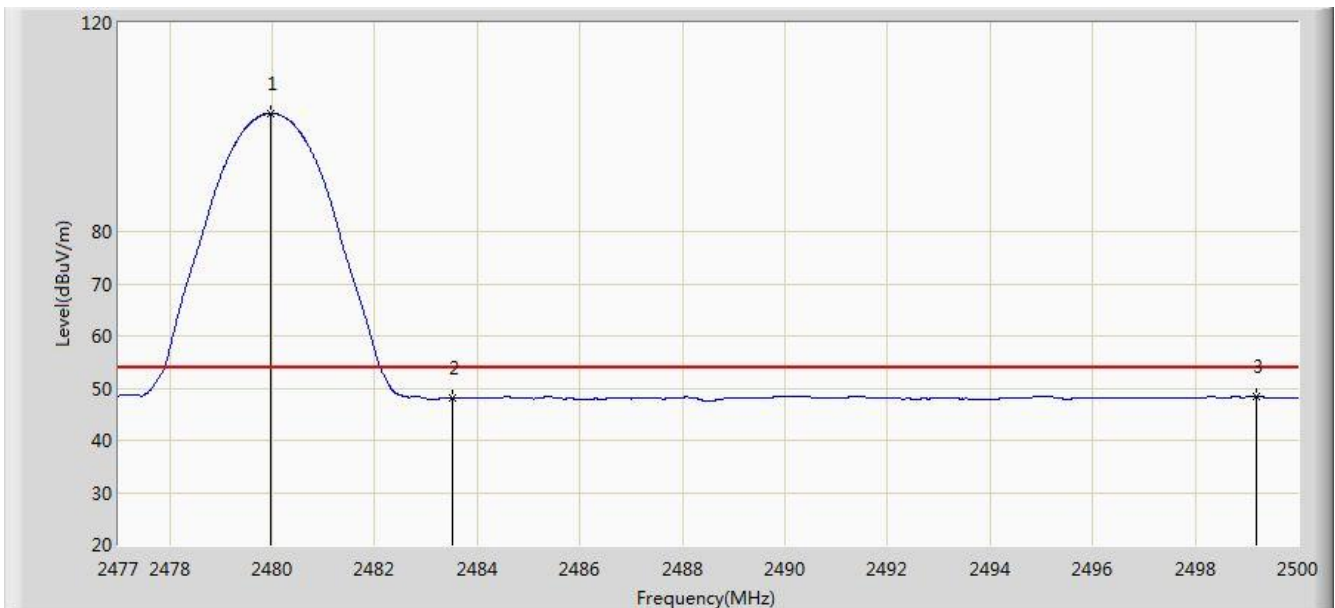


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.760	103.225	70.656	N/A	N/A	32.569	PK
2			2483.500	59.535	26.954	-14.465	74.000	32.580	PK
3			2494.721	61.547	28.933	-12.453	74.000	32.614	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2019/02/12 - 23:38
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: Transmit by BLE at Channel 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2479.956	102.607	70.037	N/A	N/A	32.570	AV
2			2483.500	48.067	15.486	-5.933	54.000	32.580	AV
3			2499.207	48.425	15.799	-5.575	54.000	32.627	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

5.7 20dB 佔用頻寬

5.7.1 量測方法

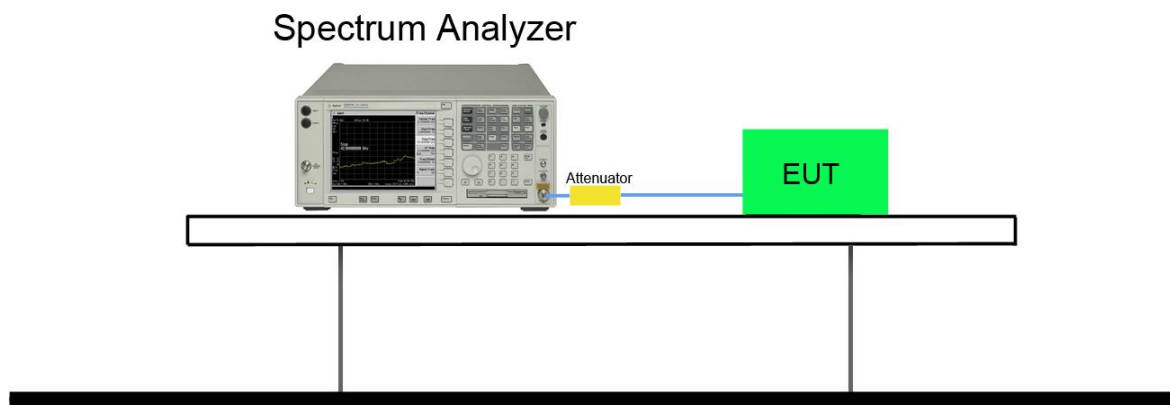
待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，頻譜分析儀之設定，參考如下：
找出發射峰值並擴展於通帶內，設定解析頻寬為300 kHz，視訊頻寬為300 kHz，檢波方式為峰值，曲線為最大化保持，讀取20dB的佔用頻寬值。

5.7.2 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節(1)(A).

跳頻系統之載波頻率頻道間隔應大於或等於25 kHz 或跳頻頻道之20 dB頻寬，兩者取較寬者。但操作頻率為2400 MHz~2483.5 MHz 頻段且輸出功率應小於或等於125 mW 跳頻系統，其載波頻率頻道間隔不得小於25 kHz 或跳頻頻道20 dB頻寬之三分之二，兩者取較寬者。系統之跳頻頻道應依虛擬亂數排列，在各頻率之跳頻頻道上跳躍。每一發射機必須均等的使用每一頻率。系統接收機應具有與發射機跳躍頻道頻寬相匹配之輸入頻寬，且應隨所發射之訊號同步偏移接收頻率。

5.7.3 測試架構圖



5.7.4 佔用頻寬測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR2	測試工程師	Kevin Ker

Test Mode	Channel No.	Frequency (MHz)	20dB Bandwidth (kHz)	Result
DH5	00	2402	918.7	Pass
DH5	39	2441	920.0	Pass
DH5	78	2480	919.8	Pass
2DH5	00	2402	1313.0	Pass
2DH5	39	2441	1313.0	Pass
2DH5	78	2480	1314.0	Pass
3DH5	00	2402	1266.0	Pass
3DH5	39	2441	1266.0	Pass
3DH5	78	2480	1266.0	Pass

DH5 20dB Bandwidth

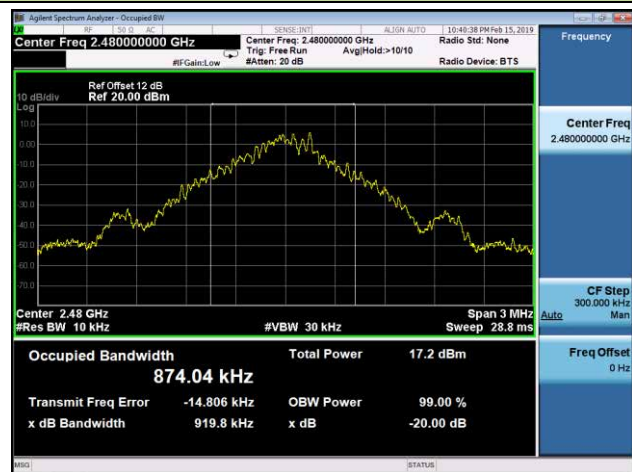
Channel 00 (2402MHz)



Channel 39 (2441MHz)

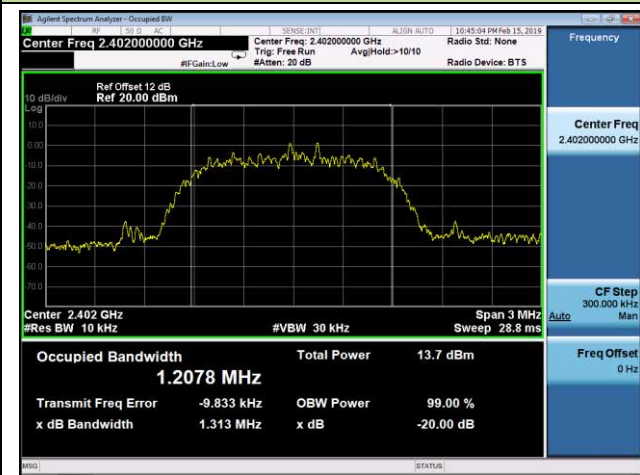


Channel 78 (2480MHz)

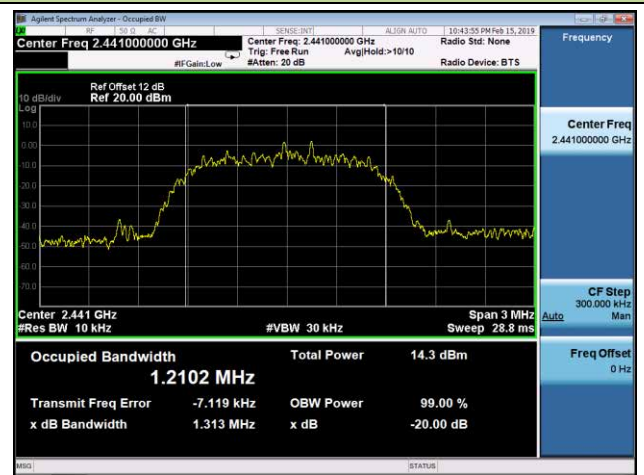


2DH5 20dB Bandwidth

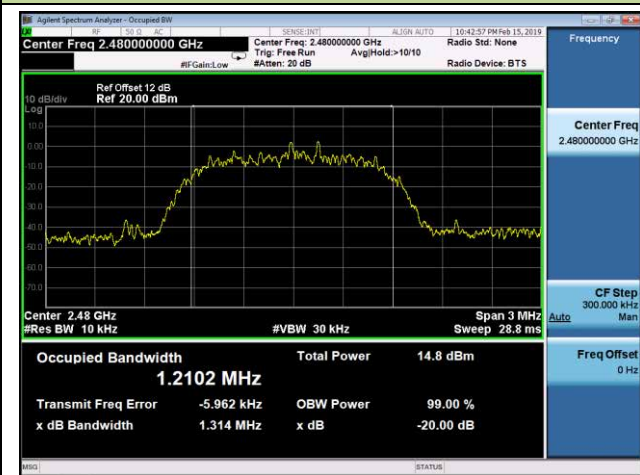
Channel 00 (2402MHz)



Channel 39 (2441MHz)

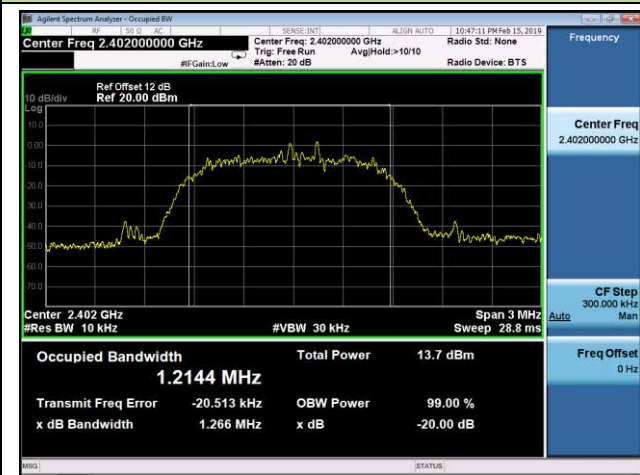


Channel 78 (2480MHz)

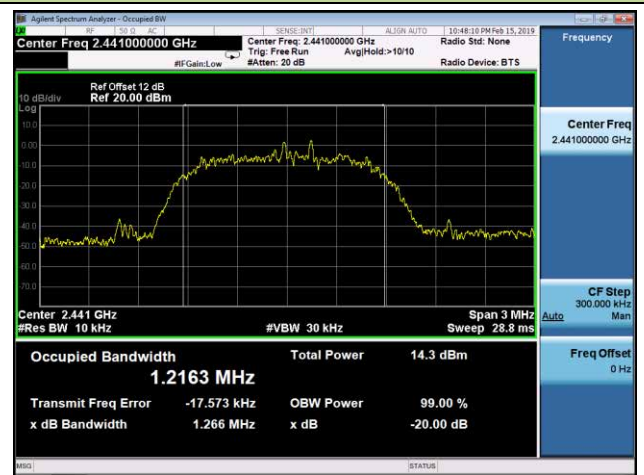


3DH5 20dB Bandwidth

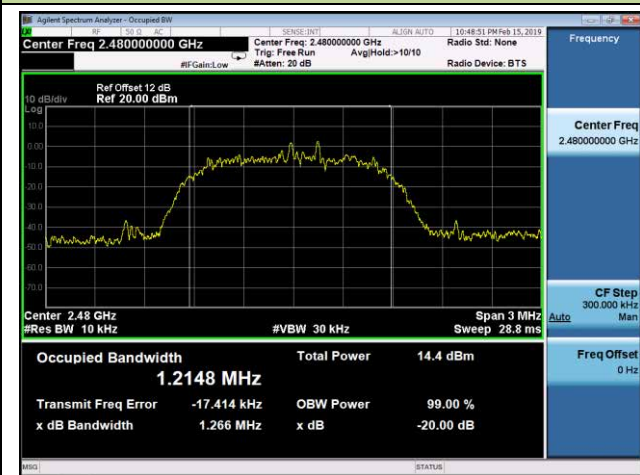
Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



5.8. 跳頻頻道使用數量

5.8.1 量測方法

將發射機之天線埠經由適當之衰減直接連至測試儀器。

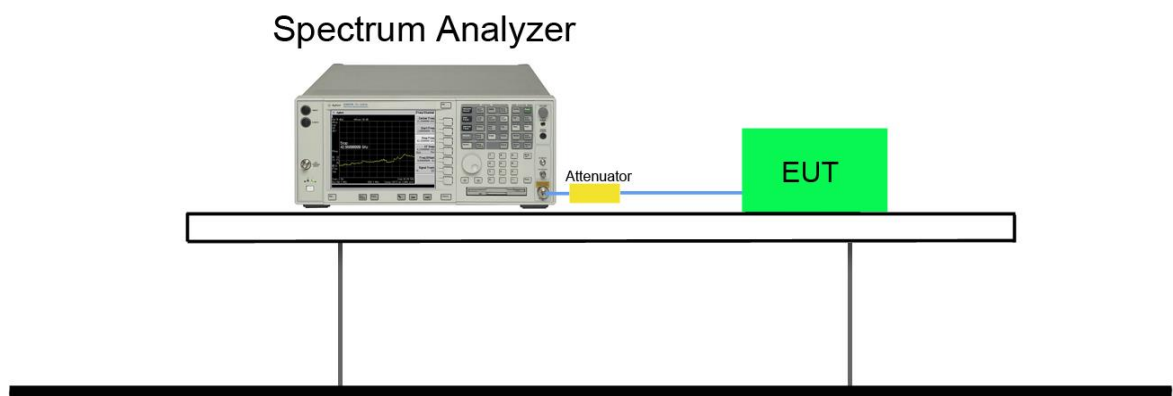
找出發射峰值並擴展於通帶內，設定解析頻寬為300 kHz，視訊頻寬為1MHz，將待測物設定於跳頻模式，並記錄每個頻道之所有訊號。

5.8.2 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節(1)(A)(a).

操作於 2400 MHz~2483.5 MHz 之展頻跳頻系統，須使用至少 15 個無重疊的頻道，在 0.4 秒乘以跳頻頻道數之週期內，任一頻率佔用之平均時間應小於或等於 0.4 秒。應使用智慧型跳頻技術，以避免佔用於特定跳頻頻道。

5.8.3 測試架構圖



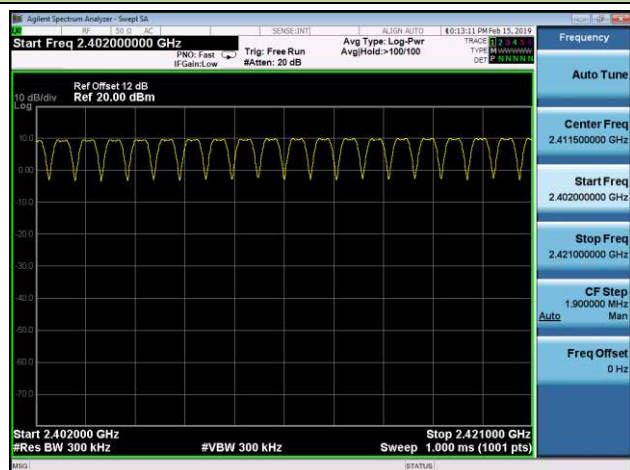
5.8.4 跳頻頻道使用數量測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR2	測試工程師	Kevin Ker

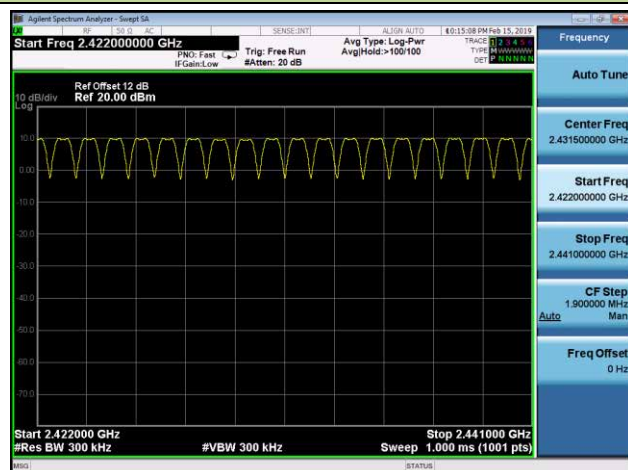
Test Mode (Hopping)	Channel Numbers	Frequency (MHz)	Limit (Hopping Channels)	Result
DH5	79	2402 ~ 2480	≥ 15	Pass
2DH5	79	2402 ~ 2480	≥ 15	Pass
3DH5	79	2402 ~ 2480	≥ 15	Pass

DH5 Number of Hopping Channels

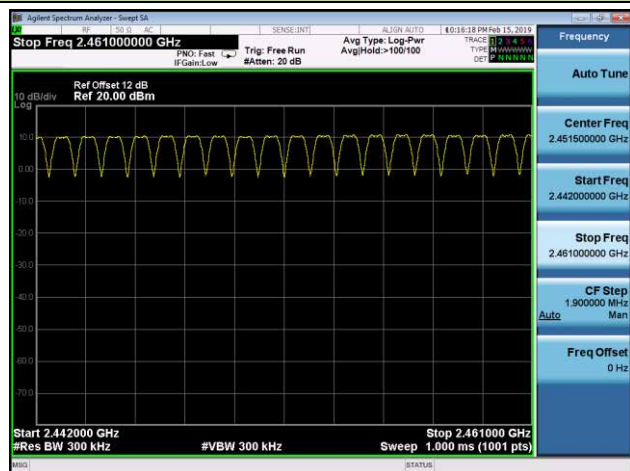
2402 ~ 2421MHz



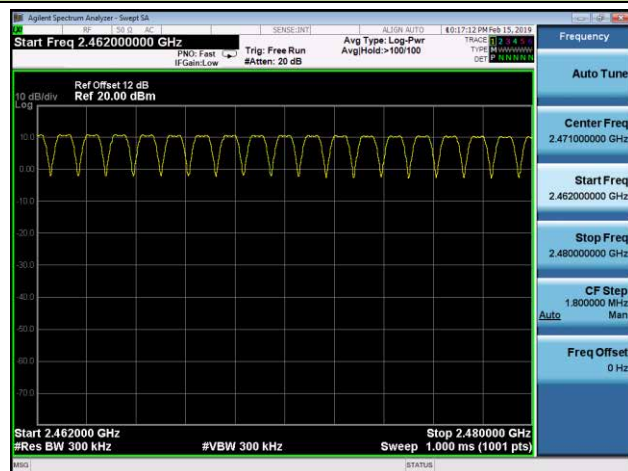
2422 ~ 2441MHz



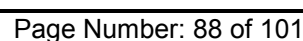
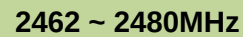
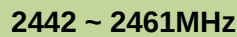
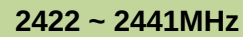
2442 ~ 2461MHz



2462 ~ 2480MHz

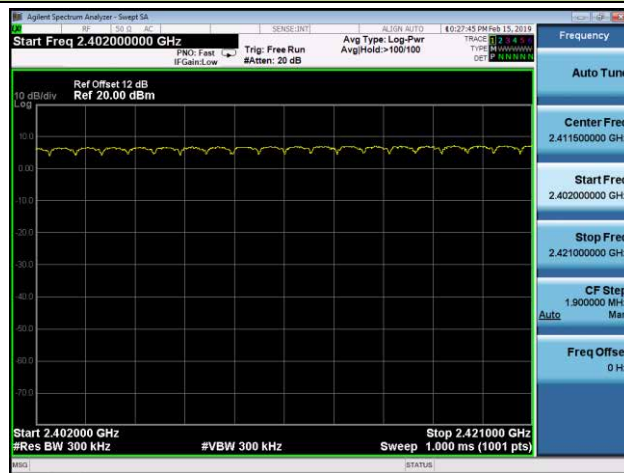


2402 ~ 2421MHz

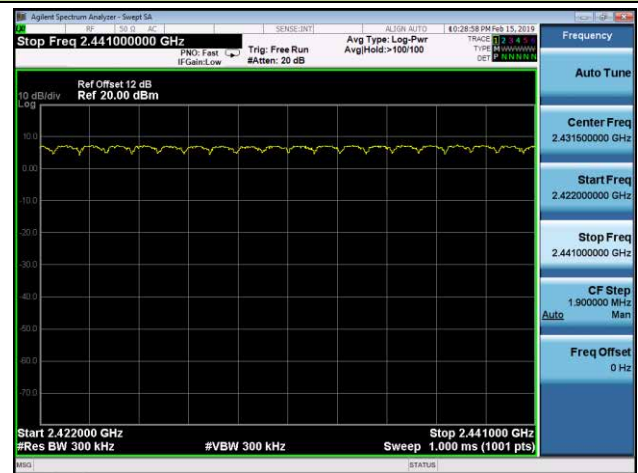


3DH5 Number of Hopping Channels

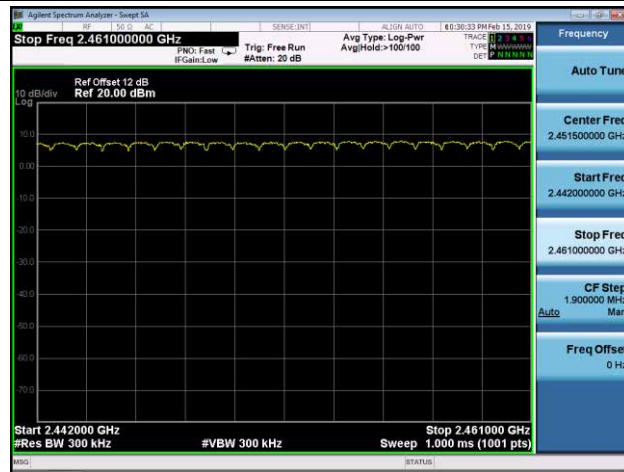
2402 ~ 2421MHz



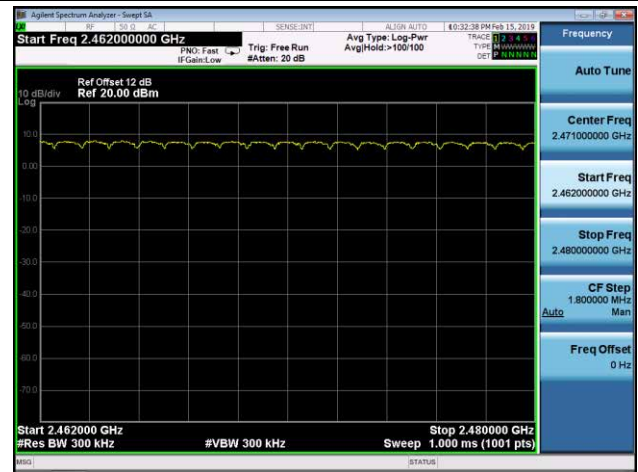
2422 ~ 2441MHz



2442 ~ 2461MHz



2462 ~ 2480MHz



5.9 頻道間隔

5.9.1 量測方法

將發射機之天線埠經由適當之衰減直接連至測試儀器。

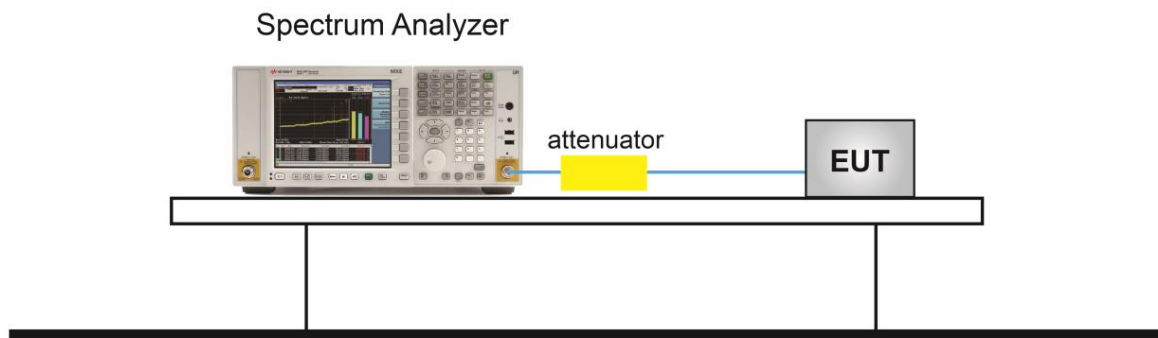
找出發射峰值並擴展於通帶內，設定解析頻寬為100 kHz，視訊頻寬為300 kHz，量測頻率間隔並記錄於報告中。

5.9.2 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節(1)(A).

跳頻系統之載波頻率頻道間隔應大於或等於 25 kHz 或跳頻頻道之 20 dB 頻寬，兩者取較寬者。但操作頻率為 2400 MHz~2483.5 MHz 頻段且輸出功率應小於或等於 125 mW 跳頻系統，其載波頻率頻道間隔不得小於 25 kHz 或跳頻頻道 20 dB 頻寬之三分之二，兩者取較寬者。系統之跳頻頻道應依虛擬亂數排列，在各頻率之跳頻頻道上跳躍。每一發射機必須均等的使用每一頻率。系統接收機應具有與發射機跳躍頻道頻寬相匹配之輸入頻寬，且應隨所發射之訊號同步偏移接收頻率。

5.9.3 測試架構圖



5.9.4 頻道間隔測試結果

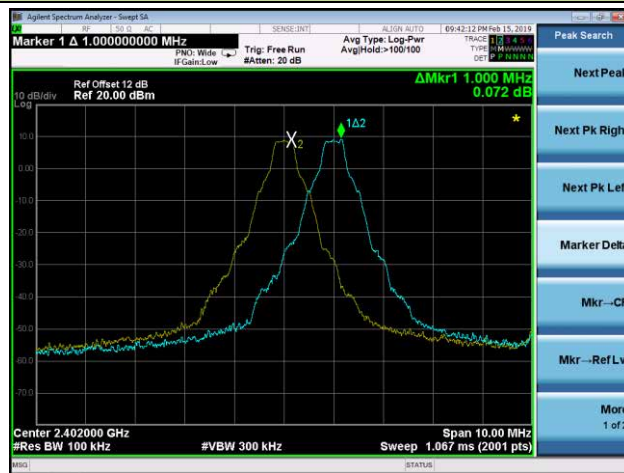
待測物名稱	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR2	測試工程師	Kevin Ker

Test Mode	Channel No.	Frequency (MHz)	Limit (kHz)	Result
DH5	00	2402	≥ 612.5	Pass
DH5	39	2441	≥ 613.3	Pass
DH5	78	2480	≥ 613.2	Pass
2DH5	00	2402	≥ 875.3	Pass
2DH5	39	2441	≥ 875.3	Pass
2DH5	78	2480	≥ 876.0	Pass
3DH5	00	2402	≥ 844.0	Pass
3DH5	39	2441	≥ 844.0	Pass
3DH5	78	2480	≥ 844.0	Pass

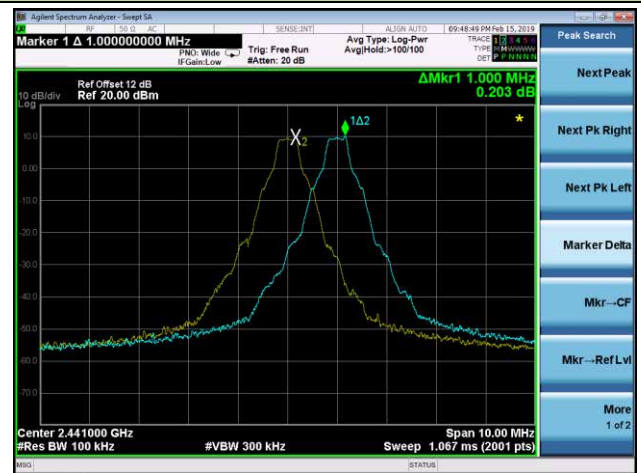
Note: The Limit is 2/3 the value of the 20dB BW.

DH5 Carrier Frequency Separation

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



2DH5 Carrier Frequency Separation

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



3DH5 Carrier Frequency Separation

Channel 00 (2402MHz)



Channel 39 (2441MHz)



Channel 78 (2480MHz)



5.10 頻率佔用時間

5.10.1 量測方法

將發射機之天線埠經由適當之衰減直接連至測試儀器。

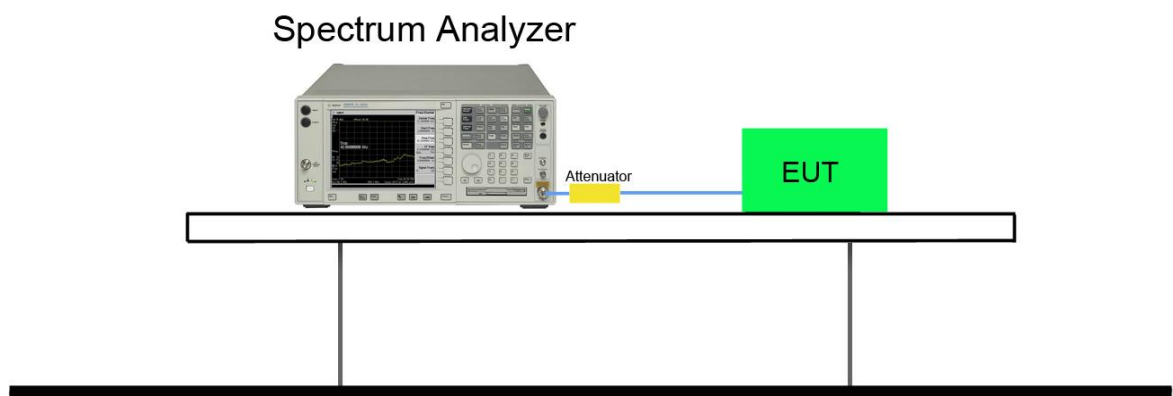
找出發射峰值並擴展於通帶內，設定解析頻寬為1MHz，視訊頻寬為1MHz，量測頻率佔用時間並記錄於報告中。

5.10.2 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節(1)(A)(a)。

操作於 2400 MHz~2483.5 MHz 之展頻跳頻系統，須使用至少 15 個無重疊的頻道，在 0.4 秒乘以跳頻頻道數之週期內，任一頻率佔用之平均時間應小於或等於 0.4 秒。應使用智慧型跳頻技術，以避免佔用於特定跳頻頻道。

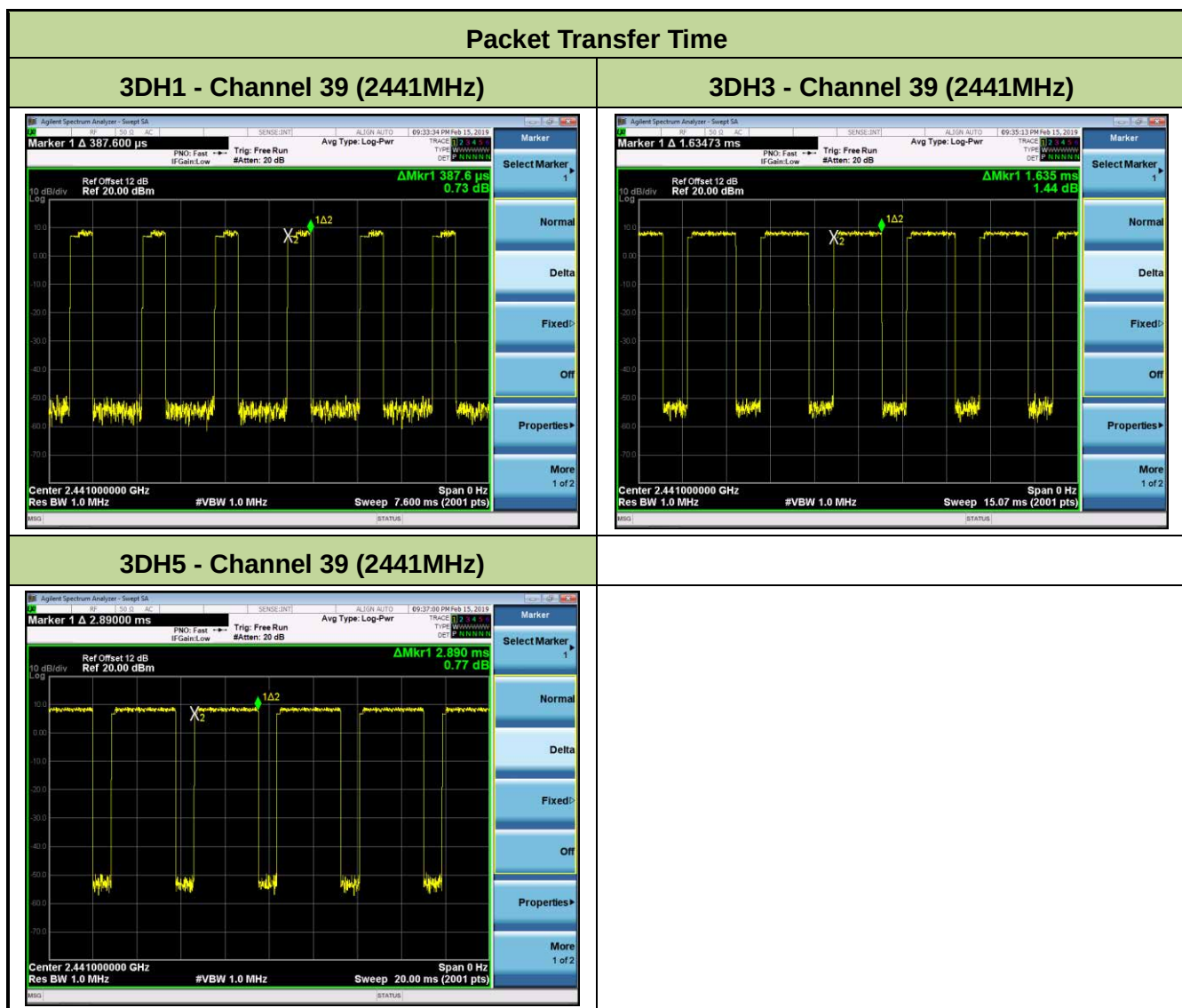
5.10.3 測試架構圖



5.10.4 頻率佔用時間測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR2	測試工程師	Kevin Ker

Test Mode	Channel No.	Frequency (MHz)	Hops Over Occupancy Time(Hops)	Packet Transfer Time (ms)	Time of Occupancy (ms)	Limit (ms)	Result
3DH1	39	2441	320	0.388	124.160	≤ 400	Pass
3DH3	39	2441	160	1.635	261.600	≤ 400	Pass
3DH5	39	2441	107	2.890	309.230	≤ 400	Pass



Note 1: According the Bluetooth Standard Specification, the nominal hop rate is 1600 hops/s. All Bluetooth unit participating in the piconet are time and hop synchronized to the channel.

Hops Over Occupancy Time in 31.6s for 3DH1 = $1600 / 2 / 79 * 31.6 = 320$.

Hops Over Occupancy Time in 31.6s for 3DH3 = $1600 / 4 / 79 * 31.6 = 160$.

Hops Over Occupancy Time in 31.6s for 3DH5 = $1600 / 6 / 79 * 31.6 = 107$.

Note 2: Time of Occupancy = Packet Transfer Time * Hops Over Occupancy Time in 31.6s.

5.11 6dB 佔用頻寬

5.11.1 量測方法

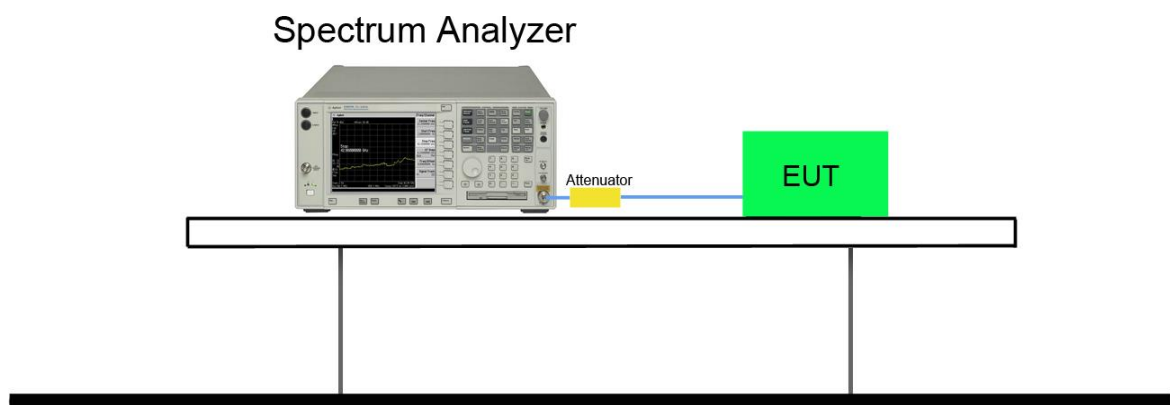
待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，設定頻譜分析儀之解析度頻寬為 100kHz，視訊頻寬不小於解析度頻寬，頻率掃瞄範圍(SPAN)遠大於解析度頻寬。

待測物應在正常發射狀態下量測。

5.11.2 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範之第3.10.1.6(2)(A)節之要求，6dB頻寬至少應有 500kHz。

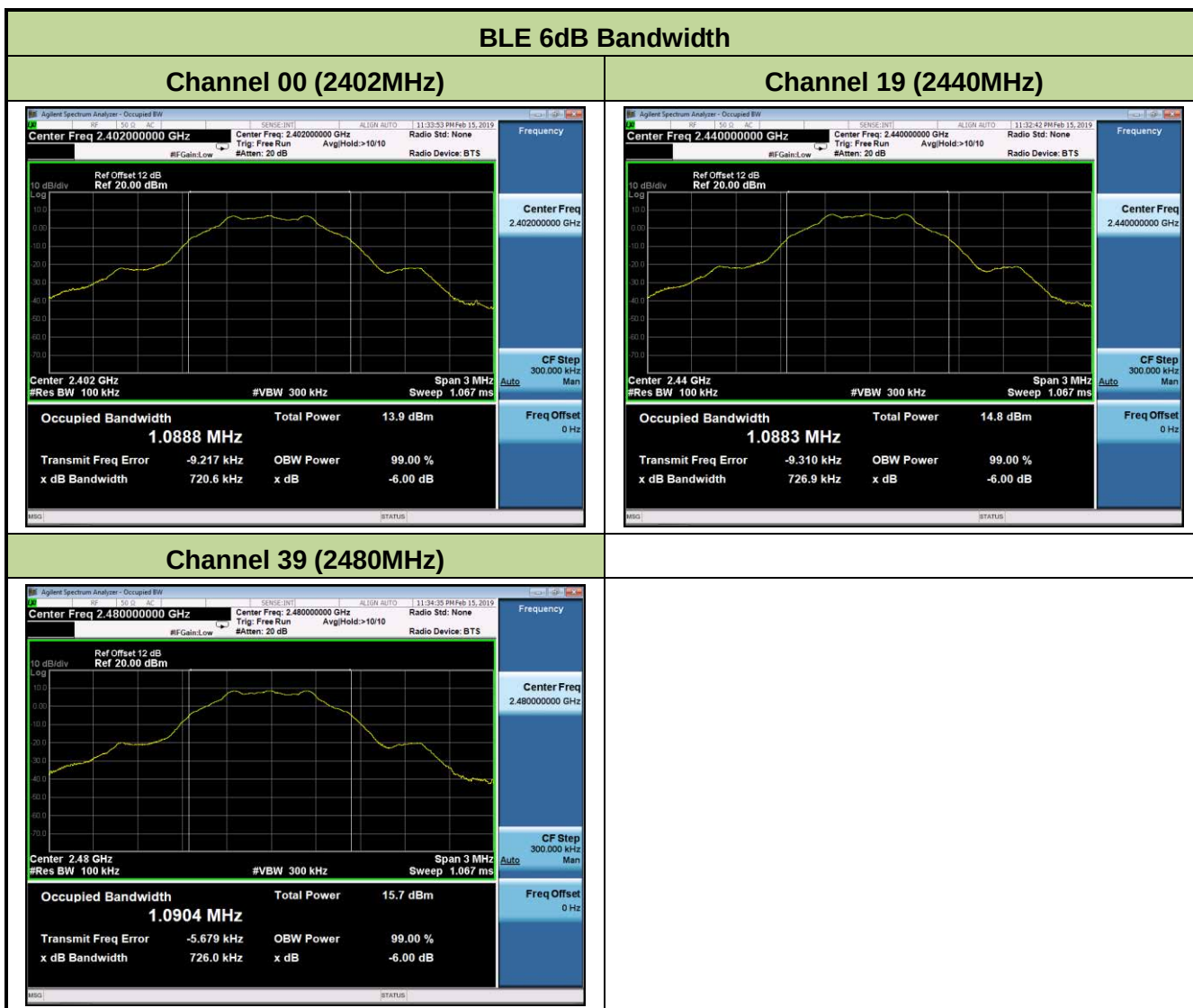
5.11.3 測試架構圖



5.11.4 佔用頻寬測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR2	測試工程師	Kevin Ker

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
BLE	1	00	2402	0.721	≥ 0.5	Pass
BLE	1	19	2440	0.727	≥ 0.5	Pass
BLE	1	39	2480	0.726	≥ 0.5	Pass



5.12 發射功率頻譜密度

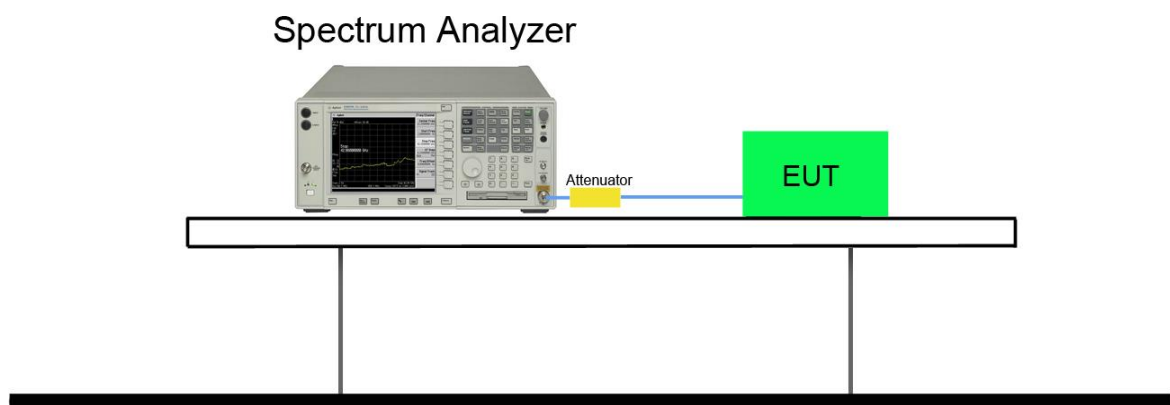
5.12.1 量測方法

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

5.12.2 限制要求

依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.6(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。

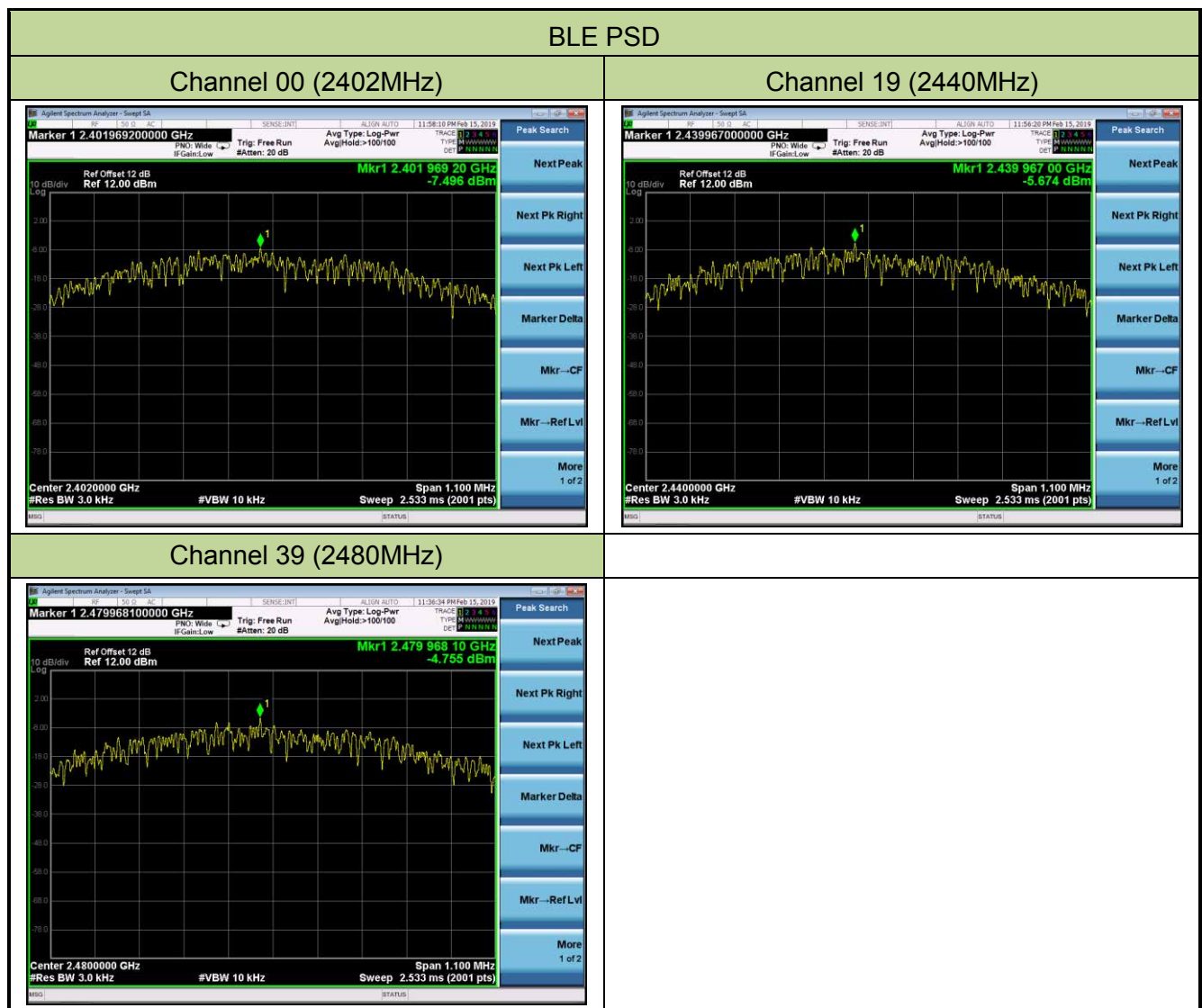
5.12.3 測試架構圖



5.12.4 功率頻譜密度測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	測試日期	2019/02/15
待測物型號	Archer AX6000	溫度 / 濕度	25°C / 56%
測試場地	SR2	測試工程師	Kevin Ker

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	PSD Result (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE	1	00	2402	-7.50	≤ 8.00	Pass
BLE	1	19	2440	-5.67	≤ 8.00	Pass
BLE	1	39	2480	-4.76	≤ 8.00	Pass



The End