

NCC

低功率射頻電機型式試驗報告

產品名稱: AX3000 Gigabit Wi-Fi 6 路由器
型號: Archer AX50
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 (105 年版) 4.7 章節
參考法規: ANSI C63.10-2013
測試結果: 符合
測試日期: 2019.04.25 ~ 2019.12.20
發行日期: 2019.12.20

測試工程師:



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(柯承志)



本測試報告僅對實驗室所受測之樣品負責

本測試報告非經本公司同意不可局部複製使用

修訂紀錄

報告編號	版本	描述	發行日期
1912TW0111-T2	1.0	Original Report	2019-12-20

備註：本報告是基於 MRT 原始報告 1905TW0114-T2 增加 Beam-Forming 功能及測試數據，
Beam-forming 功能通過軟件開通，不改變硬件，不影響原 CDD 模式測試結果。

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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 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	AX3000 Gigabit Wi-Fi 6 路由器
產品型號	Archer AX50
待測物額定電壓	AC adapter input
無線規格	802.11a/n/ac/ax
頻率範圍	For 802.11a/n-HT20/ac-VHT20/ax-HE20: 5180~5240MHz, 5260~5320MHz, 5500~5720MHz, 5745~5825MHz For 802.11n-HT40/ac-VHT40/ax-HE40: 5190~5230MHz, 5270~5310MHz, 5510~5710MHz, 5755~5795MHz For 802.11ac-VHT80/ax-HE80: 5210MHz, 5290MHz, 5530MHz, 5610 MHz, 5690 MHz, 5775MHz For 802.11ac-VHT160/ax-HE160: 5250MHz, 5570MHz
調變模式	802.11a/n/ac: OFDM 802.11ax: OFDMA
傳輸速率	802.11a: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 300Mbps 802.11ac: up to 1733.3Mbps 802.11ax: up to 2401.9Mbps
頻道控制	Auto
附件	
電源供應器	MODEL: GQ24-120200-AU INPUT: 100 - 240V ~ 50/60Hz 1.0A Max. OUTPUT: DC 12.0V 2.0A

2.2. 通道清單

802.11a/n-HT20/ac-VHT20/ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180 MHz	40	5200 MHz	44	5220 MHz
48	5240 MHz	52	5260 MHz	56	5280 MHz
60	5300 MHz	64	5320 MHz	100	5500 MHz
104	5520 MHz	108	5540 MHz	112	5560 MHz
116	5580 MHz	120	5600 MHz	124	5620 MHz
128	5640 MHz	132	5660 MHz	136	5680 MHz
140	5700 MHz	144	5720 MHz	149	5745 MHz
153	5765 MHz	157	5785 MHz	161	5805 MHz
165	5825 MHz	--	--	--	--

802.11n-HT40/ac-VHT40/ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	54	5270 MHz
62	5310 MHz	102	5510 MHz	110	5550 MHz
118	5590 MHz	126	5630 MHz	134	5670 MHz
142	5710 MHz	151	5755 MHz	159	5795 MHz

802.11ac-VHT80/ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210 MHz	58	5290 MHz	106	5530 MHz
122	5610 MHz	138	5690 MHz	155	5775 MHz

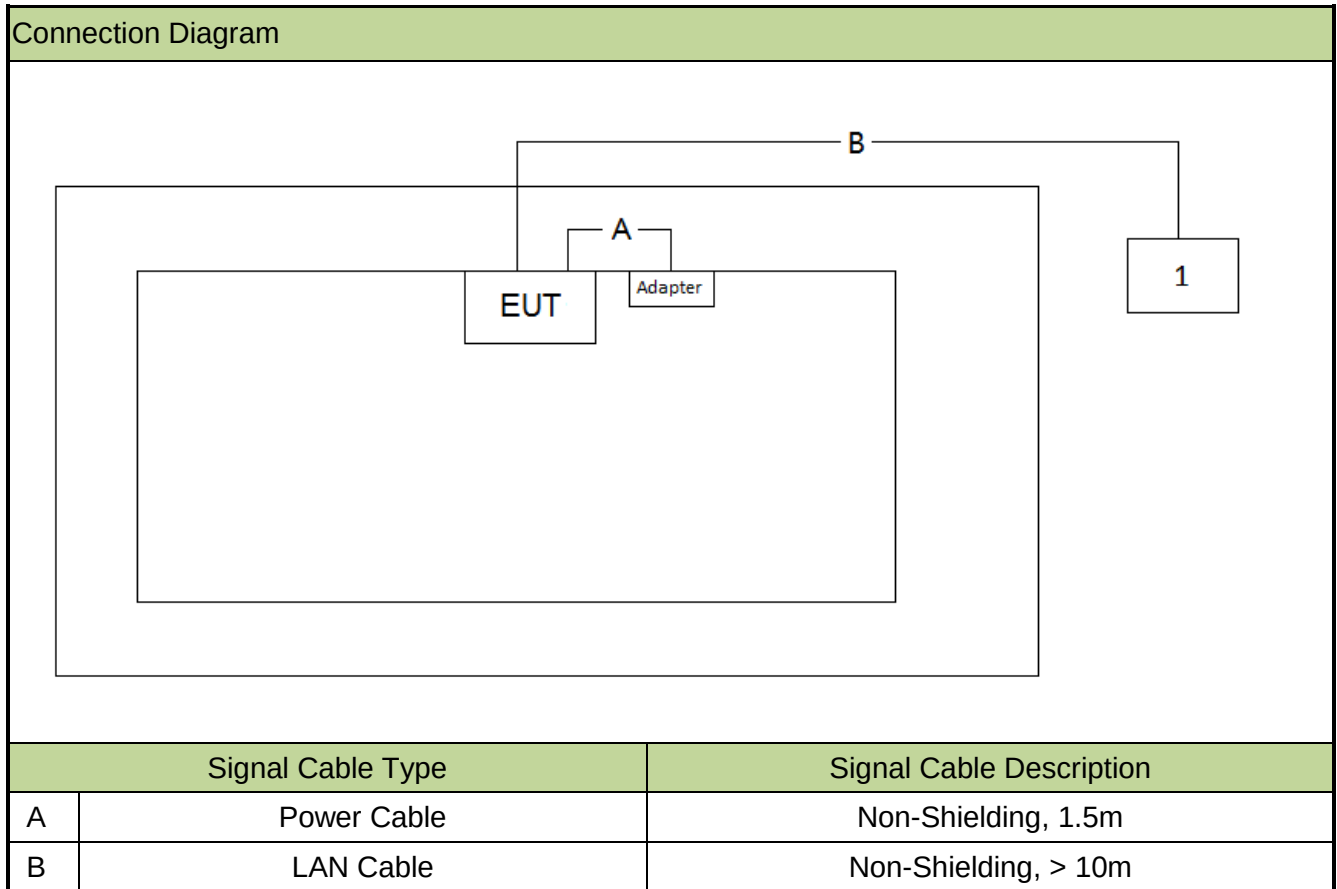
802.11ac-VHT160/ax-HE160

Channel	Frequency	Channel	Frequency	Channel	Frequency
50	5250 MHz	114	5570 MHz	--	--

2.3. 測試模式

Mode 1: 發射器 802.11ac-VHT20 (MCS0) (Beam-Forming mode)
Mode 2: 發射器 802.11ac-VHT40 (MCS0) (Beam-Forming mode)
Mode 3: 發射器 802.11ac-VHT80 (MCS0) (Beam-Forming mode)
Mode 4: 發射器 802.11ac-VHT160 (MCS0) (Beam-Forming mode)
Mode 5: 發射器 802.11ax-HE20 (MCS0) (Beam-Forming mode)
Mode 6: 發射器 802.11ax-HE40 (MCS0) (Beam-Forming mode)
Mode 7: 發射器 802.11ax-HE80 (MCS0) (Beam-Forming mode)
Mode 8: 發射器 802.11ax-HE160 (MCS0) (Beam-Forming mode)

2.4. 測試系統組合圖



2.5. 測試周邊

Item	待測物名稱	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 "DUT_GUI.exe" 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	2020/03/25
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2020/04/25
8-Wire ISN (T8)	R&S	ENY81	MRTTWA00018	1 year	2020/04/23
EMI Test Receiver	R&S	ESR3	MRTTWA00045	1 year	2020/03/25
Temperature/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00033	1 year	2020/05/20

Radiated Emissions - AC1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	MRTTWA00002	1 year	2020/04/29
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2020/05/22
Broadband Hornantenna	SCHWARZBECK	BBHA 9120D	MRTTWA00003	1 year	2020/04/22
Breitband Hornantenna	SCHWARZBECK	BBHA 9170	MRTTWA00004	1 year	2020/04/23
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2020/04/24
Broadband Amplifier	SCHWARZBECK	BBV 9721	MRTTWA00006	1 year	2020/04/24
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2020/03/25
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2020/07/30
Antenna Cable	HUBERSUHNER	SF106	MRTTWE00010	1 year	2020/06/18
溫度/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00032	1 year	2020/05/20

Conducted Test Equipment - SR1

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2020/07/30
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTSUE06457	1 year	2020/07/19
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00014	1 year	2020/04/22
溫度/Humidity Meter	TFA	35.1078.10.IT	MRTTWA00032	1 year	2020/05/20

Software	Version	Function
e3	V 8.3.5	EMI Test Software
EMI	Quietek	V3

5. 測試結果

產品名稱 AX3000 Gigabit Wi-Fi 6 路由器
型號 Archer AX50

章節	量測項目	限制值	測試結果	測試數據
4.7.2(1)(2)(3)	傳導輸出功率	參考第 5.1 章節	符合	第 5.1 章節
2.2 及 4.7.8	天線之要求	低功率射頻電機技術規範 2.2 節及 4.7.8 節	符合	第 5.2 章節
4.7.3	操作頻帶外的峰值 發射	低功率射頻電機技術規範 4.7.3 節	符合	第 5.3 章節
2.8 及 4.7.3	輻射電場強度	低功率射頻電機技術規範 2.8 節	符合	第 5.4 章節

備註：由於 Beam-Forming 模式的功率設定值比 CDD 模式小，所以 Beam-Forming 模式下的傳導功率，輻射電場強度以及頻帶邊緣，並驗證了 CDD 模式下的傳導功率。

5.1. 功率限制值

5.1.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.3 節：

使用於 5.15 GHz~5.25 GHz 頻段，供室內操作使用，最大傳導輸出功率應小於或等於 1 W。

使用頻率於 5.25 GHz~5.35 GHz 與 5.470 GHz~5.725 GHz 頻段，最大傳導輸出功率應小於或等於 250 mW 或 $11\text{dBm} + 10\log B$ (B 是 26 dB 發射頻寬，單位 MHz) 之較小者。

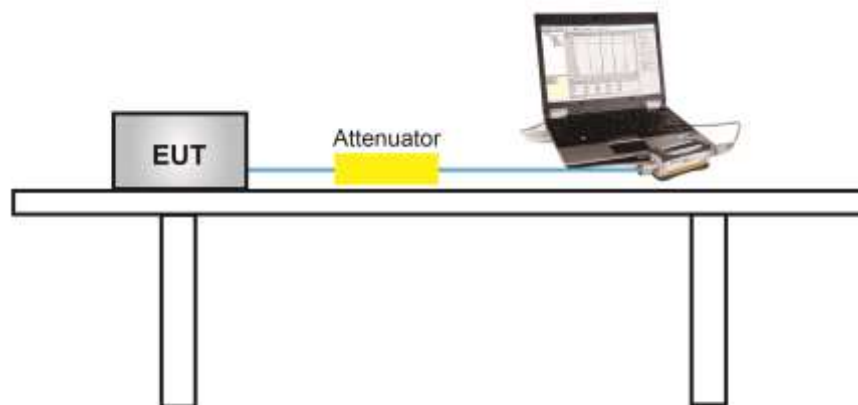
使用頻率於 5.725 GHz~5.850 GHz 頻段，最大傳導輸出功率應小於或等於 1 W。

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

5.1.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，峰值發射功率必須使用依據均方根等效電壓校準之儀器量測於任何連續傳輸之時段，量測結果須依儀器限制(如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等)調整得出正確之峰值量測或使用峰值功率表。

5.1.3. 測試架構圖



5.1.4. 功率限制值測試結果

Power output test was verified over all data rates of each mode shown as below table, and then choose the maximum power output (grey marker) for final test of each channel.

Pre-Test RF Output Power at various data rates for Ant 0 port.

Ant 0 / Ant 0+1 - 802.11ac-VHT20 - Channel 36 (5180MHz)									
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8
Power (dBm)	15.10	15.04	14.99	14.97	14.92	14.89	14.85	14.81	14.75

Ant 0 / Ant 0+1 - 802.11ac-VHT40 - Channel 38 (5190MHz)										
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Power (dBm)	14.06	14.03	14.00	13.97	13.90	13.86	13.81	13.78	13.75	13.71

Ant 0 / Ant 0+1 - 802.11ac-VHT80 - Channel 42 (5210MHz)										
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Power (dBm)	21.24	21.22	21.19	21.15	21.11	21.06	21.01	20.97	20.95	20.90

Ant 0 / Ant 0+1 - 802.11ac-VHT160 - Channel 50 (5250MHz)										
Date Rate	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9
Power (dBm)	20.43	20.33	20.21	20.17	20.11	20.00	19.93	19.84	19.79	19.68

Ant 0 / Ant 0+1 - 802.11ax-HE20 - Channel 36 (5180MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	21.63	21.58	21.50	21.47	21.41	21.38	21.35	21.32	21.25	21.20	21.12	21.02

Ant 0 / Ant 0+1 - 802.11ax-HE40 - Channel 38 (5190MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	20.43	20.39	20.35	20.27	20.19	20.15	20.11	20.07	20.01	19.91	19.86	19.80

Ant 0 / Ant 0+1 - 802.11ax-HE80 - Channel 42 (5210MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	13.96	13.87	13.81	13.75	13.67	13.60	13.49	13.40	13.32	13.29	13.21	13.15

Ant 0 / Ant 0+1 - 802.11ax-VHT160 - Channel 50 (5250MHz)												
Date Rate	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9	MCS 10	MCS 11
Power (dBm)	20.16	20.11	20.06	19.95	19.86	19.81	19.76	19.75	19.68	19.60	19.54	19.50

Note: All modes of operation and data rates were investigated, so all RF test requirements shall be executed at low data rates.

待測物名稱	AX3000 Gigabit Wi-Fi 6 路由器	溫度	23 ~ 25°C
測試工程師	Kevin Ker	濕度	46 ~ 56%
測試場地	SR1	測試日期	2019/11/08

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power(dBm)	Average Power Limit(dBm)	Result
Beam-Forming Mode								
11ac-VHT20	MCS0	36	5180	15.10	15.77	18.46	≤ 29.99	Pass
11ac-VHT20	MCS0	44	5220	23.88	24.00	26.95	≤ 29.99	Pass
11ac-VHT20	MCS0	48	5240	25.72	25.80	28.77	≤ 29.99	Pass
11ac-VHT20	MCS0	52	5260	18.21	19.00	21.63	≤23.97	Pass
11ac-VHT20	MCS0	60	5300	18.91	19.31	22.12	≤23.97	Pass
11ac-VHT20	MCS0	64	5320	18.52	18.79	21.67	≤23.97	Pass
11ac-VHT20	MCS0	100	5500	19.61	19.43	22.53	≤23.97	Pass
11ac-VHT20	MCS0	120	5600	18.68	18.79	21.75	≤23.97	Pass
11ac-VHT20	MCS0	140	5700	19.04	19.16	22.11	≤23.97	Pass
11ac-VHT20	MCS0	144	5720	18.83	18.56	21.71	≤23.97	Pass
11ac-VHT20	MCS0	149	5745	25.11	24.88	28.01	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	25.16	25.11	28.15	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	24.95	25.02	28.00	≤ 29.99	Pass
11ac-VHT40	MCS0	38	5190	14.06	13.33	16.72	≤ 29.99	Pass
11ac-VHT40	MCS0	46	5230	24.46	24.91	27.70	≤ 29.99	Pass
11ac-VHT40	MCS0	54	5270	19.50	19.42	22.47	≤23.97	Pass
11ac-VHT40	MCS0	62	5310	20.01	20.42	23.23	≤23.97	Pass
11ac-VHT40	MCS0	102	5510	16.34	15.30	18.86	≤23.97	Pass
11ac-VHT40	MCS0	118	5590	20.19	20.00	23.11	≤23.97	Pass
11ac-VHT40	MCS0	134	5670	19.35	18.38	21.90	≤23.97	Pass
11ac-VHT40	MCS0	142	5710	19.59	20.10	22.86	≤23.97	Pass
11ac-VHT40	MCS0	151	5755	24.80	24.60	27.71	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	24.47	24.84	27.67	≤ 29.99	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power(dBm)	Average Power Limit(dBm)	Result
Beam-Forming Mode								
11ac-VHT80	MCS0	42	5210	21.24	20.04	23.69	≤ 29.99	Pass
11ac-VHT80	MCS0	58	5290	20.09	20.14	23.13	≤23.97	Pass
11ac-VHT80	MCS0	106	5530	19.66	18.80	22.26	≤23.97	Pass
11ac-VHT80	MCS0	122	5610	19.86	19.44	22.67	≤23.97	Pass
11ac-VHT80	MCS0	138	5690	19.96	20.04	23.01	≤23.97	Pass
11ac-VHT80	MCS0	155	5775	23.80	23.56	26.69	≤ 29.99	Pass
11ac-VHT160	MCS0	50	5250	20.08	20.05	23.08	≤23.97	Pass
11ac-VHT160	MCS0	114	5570	19.92	20.04	22.99	≤23.97	Pass
11ax-HE20	MCS0	36	5180	21.63	20.10	23.94	≤ 29.99	Pass
11ax-HE20	MCS0	44	5220	23.95	24.03	27.00	≤ 29.99	Pass
11ax-HE20	MCS0	48	5240	24.66	24.65	27.67	≤ 29.99	Pass
11ax-HE20	MCS0	52	5260	19.27	19.47	22.38	≤23.97	Pass
11ax-HE20	MCS0	60	5300	19.48	19.62	22.56	≤23.97	Pass
11ax-HE20	MCS0	64	5320	18.75	19.07	21.92	≤23.97	Pass
11ax-HE20	MCS0	100	5500	18.97	17.69	21.39	≤23.97	Pass
11ax-HE20	MCS0	120	5600	18.97	18.34	21.68	≤23.97	Pass
11ax-HE20	MCS0	140	5700	15.44	14.91	18.19	≤23.97	Pass
11ax-HE20	MCS0	144	5720	19.05	18.06	21.59	≤23.97	Pass
11ax-HE20	MCS0	149	5745	25.31	25.26	28.30	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	25.49	25.61	28.56	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	25.43	25.03	28.24	≤ 29.99	Pass
11ax-HE40	MCS0	38	5190	20.43	19.66	23.07	≤ 29.99	Pass
11ax-HE40	MCS0	46	5230	24.47	24.76	27.63	≤ 29.99	Pass
11ax-HE40	MCS0	54	5270	19.22	18.68	21.97	≤23.97	Pass
11ax-HE40	MCS0	62	5310	19.82	20.03	22.94	≤23.97	Pass
11ax-HE40	MCS0	102	5510	17.28	16.32	19.84	≤23.97	Pass
11ax-HE40	MCS0	118	5590	20.57	20.31	23.45	≤23.97	Pass
11ax-HE40	MCS0	134	5670	19.76	19.20	22.50	≤23.97	Pass
11ax-HE40	MCS0	142	5710	19.55	20.39	23.00	≤23.97	Pass
11ax-HE40	MCS0	151	5755	25.47	25.76	28.63	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	25.17	25.61	28.41	≤ 29.99	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power(dBm)	Average Power Limit(dBm)	Result
Beam-Forming Mode								
11ax-HE80	MCS0	42	5210	13.96	13.24	16.63	≤ 29.99	Pass
11ax-HE80	MCS0	58	5290	20.65	20.45	23.56	≤23.97	Pass
11ax-HE80	MCS0	106	5530	19.05	18.35	21.72	≤23.97	Pass
11ax-HE80	MCS0	122	5610	19.87	19.52	22.71	≤23.97	Pass
11ax-HE80	MCS0	138	5690	19.88	20.48	23.20	≤23.97	Pass
11ax-HE80	MCS0	155	5775	24.05	24.08	27.08	≤ 29.99	Pass
11ax-HE160	MCS0	50	5250	19.44	19.38	22.42	≤23.97	Pass
11ax-HE160	MCS0	114	5570	19.54	19.39	22.48	≤23.97	Pass

Note 1:

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

Note 2:

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 - (6.01 - 6)
= 29.99dBm.

For 5250 - 5350MHz and 5470 - 5725MHz Bands: Average Power Limit (dBm) = 23.98 - (6.01 - 6)
= 23.97dBm.

Verify CDD Mode Conducted Power

Product	AX3000 Gigabit Wi-Fi 6 路由器	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	46 ~ 56%
Test Site	SR1	Test Date	2019/11/08

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11a	6Mbps	36	5180	25.03	25.00	28.03	≤ 30.00	Pass
11a	6Mbps	44	5220	25.25	25.47	28.37	≤ 30.00	Pass
11a	6Mbps	48	5240	25.44	25.33	28.40	≤ 30.00	Pass
11a	6Mbps	52	5260	18.25	19.06	21.68	≤ 23.98	Pass
11a	6Mbps	60	5300	17.92	18.08	21.01	≤ 23.98	Pass
11a	6Mbps	64	5320	18.39	18.65	21.53	≤ 23.98	Pass
11a	6Mbps	100	5500	18.58	18.21	21.41	≤ 23.98	Pass
11a	6Mbps	120	5600	18.99	18.40	21.72	≤ 23.98	Pass
11a	6Mbps	140	5700	19.29	19.06	22.19	≤ 23.98	Pass
11a	6Mbps	144	5720	18.06	17.53	20.81	≤ 23.98	Pass
11a	6Mbps	149	5745	24.80	24.75	27.79	≤ 30.00	Pass
11a	6Mbps	157	5785	24.83	24.89	27.87	≤ 30.00	Pass
11a	6Mbps	165	5825	24.57	24.37	27.48	≤ 30.00	Pass
11n-HT20	MCS0	36	5180	25.00	25.12	28.07	≤ 30.00	Pass
11n-HT20	MCS0	44	5220	25.78	25.40	28.60	≤ 30.00	Pass
11n-HT20	MCS0	48	5240	24.02	23.71	26.88	≤ 30.00	Pass
11n-HT20	MCS0	52	5260	18.04	18.64	21.36	≤ 23.98	Pass
11n-HT20	MCS0	60	5300	17.82	18.55	21.21	≤ 23.98	Pass
11n-HT20	MCS0	64	5320	18.13	18.47	21.31	≤ 23.98	Pass
11n-HT20	MCS0	100	5500	18.10	18.72	21.43	≤ 23.98	Pass
11n-HT20	MCS0	120	5600	19.14	19.29	22.23	≤ 23.98	Pass
11n-HT20	MCS0	140	5700	18.26	17.88	21.08	≤ 23.98	Pass
11n-HT20	MCS0	144	5720	17.90	17.64	20.78	≤ 23.98	Pass
11n-HT20	MCS0	149	5745	24.65	24.72	27.70	≤ 30.00	Pass
11n-HT20	MCS0	157	5785	24.83	24.87	27.86	≤ 30.00	Pass
11n-HT20	MCS0	165	5825	24.62	24.52	27.58	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11n-HT40	MCS0	38	5190	22.11	22.08	25.11	≤ 30.00	Pass
11n-HT40	MCS0	46	5230	25.61	25.31	28.47	≤ 30.00	Pass
11n-HT40	MCS0	54	5270	19.73	19.01	22.40	≤ 23.98	Pass
11n-HT40	MCS0	62	5310	20.13	19.83	22.99	≤ 23.98	Pass
11n-HT40	MCS0	102	5510	20.23	19.68	22.97	≤ 23.98	Pass
11n-HT40	MCS0	118	5590	20.23	19.30	22.80	≤ 23.98	Pass
11n-HT40	MCS0	134	5670	19.66	19.91	22.80	≤ 23.98	Pass
11n-HT40	MCS0	142	5710	19.65	19.89	22.78	≤ 23.98	Pass
11n-HT40	MCS0	151	5755	24.43	25.03	27.75	≤ 30.00	Pass
11n-HT40	MCS0	159	5795	24.76	25.15	27.97	≤ 30.00	Pass
11ac-VHT20	MCS0	36	5180	24.84	25.12	27.99	≤ 30.00	Pass
11ac-VHT20	MCS0	44	5220	23.88	24.00	26.95	≤ 30.00	Pass
11ac-VHT20	MCS0	48	5240	25.72	25.80	28.77	≤ 30.00	Pass
11ac-VHT20	MCS0	52	5260	18.21	19.00	21.63	≤ 23.98	Pass
11ac-VHT20	MCS0	60	5300	18.91	19.31	22.12	≤ 23.98	Pass
11ac-VHT20	MCS0	64	5320	18.52	18.79	21.67	≤ 23.98	Pass
11ac-VHT20	MCS0	100	5500	19.61	19.43	22.53	≤ 23.98	Pass
11ac-VHT20	MCS0	120	5600	19.04	19.16	22.11	≤ 23.98	Pass
11ac-VHT20	MCS0	140	5700	18.76	18.85	21.82	≤ 23.98	Pass
11ac-VHT20	MCS0	144	5720	18.83	18.56	21.71	≤ 23.98	Pass
11ac-VHT20	MCS0	149	5745	25.11	24.88	28.01	≤ 30.00	Pass
11ac-VHT20	MCS0	157	5785	25.16	25.11	28.15	≤ 30.00	Pass
11ac-VHT20	MCS0	165	5825	24.95	25.02	28.00	≤ 30.00	Pass
11ac-VHT40	MCS0	38	5190	22.05	22.52	25.30	≤ 30.00	Pass
11ac-VHT40	MCS0	46	5230	24.46	24.91	27.70	≤ 30.00	Pass
11ac-VHT40	MCS0	54	5270	19.50	19.42	22.47	≤ 23.98	Pass
11ac-VHT40	MCS0	62	5310	20.01	20.42	23.23	≤ 23.98	Pass
11ac-VHT40	MCS0	102	5510	20.00	20.17	23.10	≤ 23.98	Pass
11ac-VHT40	MCS0	118	5590	20.19	20.00	23.11	≤ 23.98	Pass
11ac-VHT40	MCS0	134	5670	20.04	20.17	23.12	≤ 23.98	Pass
11ac-VHT40	MCS0	142	5710	19.59	20.10	22.86	≤ 23.98	Pass
11ac-VHT40	MCS0	151	5755	24.80	24.60	27.71	≤ 30.00	Pass
11ac-VHT40	MCS0	159	5795	24.47	24.84	27.67	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ac-VHT80	MCS0	42	5210	22.01	21.68	24.86	≤ 30.00	Pass
11ac-VHT80	MCS0	58	5290	20.09	20.14	23.13	≤ 23.98	Pass
11ac-VHT80	MCS0	106	5530	20.06	19.37	22.74	≤ 23.98	Pass
11ac-VHT80	MCS0	122	5610	19.86	19.44	22.67	≤ 23.98	Pass
11ac-VHT80	MCS0	138	5690	19.96	20.04	23.01	≤ 23.98	Pass
11ac-VHT80	MCS0	155	5775	23.80	23.56	26.69	≤ 30.00	Pass
11ac-VHT160	MCS0	50	5250	20.08	20.05	23.08	≤ 23.98	Pass
11ac-VHT160	MCS0	114	5570	20.02	20.28	23.16	≤ 23.98	Pass
11ax-HE20	MCS0	36	5180	25.30	25.20	28.26	≤ 30.00	Pass
11ax-HE20	MCS0	44	5220	23.95	24.03	27.00	≤ 30.00	Pass
11ax-HE20	MCS0	48	5240	24.66	24.65	27.67	≤ 30.00	Pass
11ax-HE20	MCS0	52	5260	19.27	19.47	22.38	≤ 23.98	Pass
11ax-HE20	MCS0	60	5300	19.48	19.62	22.56	≤ 23.98	Pass
11ax-HE20	MCS0	64	5320	18.75	19.07	21.92	≤ 23.98	Pass
11ax-HE20	MCS0	100	5500	20.68	20.05	23.39	≤ 23.98	Pass
11ax-HE20	MCS0	120	5600	18.97	18.34	21.68	≤ 23.98	Pass
11ax-HE20	MCS0	140	5700	18.65	18.55	21.61	≤ 23.98	Pass
11ax-HE20	MCS0	144	5720	19.05	18.06	21.59	≤ 23.98	Pass
11ax-HE20	MCS0	149	5745	25.31	25.26	28.30	≤ 30.00	Pass
11ax-HE20	MCS0	157	5785	25.49	25.61	28.56	≤ 30.00	Pass
11ax-HE20	MCS0	165	5825	25.43	25.03	28.24	≤ 30.00	Pass
11ax-HE40	MCS0	38	5190	22.64	23.22	25.95	≤ 30.00	Pass
11ax-HE40	MCS0	46	5230	24.47	24.76	27.63	≤ 30.00	Pass
11ax-HE40	MCS0	54	5270	19.22	18.68	21.97	≤ 23.98	Pass
11ax-HE40	MCS0	62	5310	19.82	20.03	22.94	≤ 23.98	Pass
11ax-HE40	MCS0	102	5510	20.66	19.36	23.07	≤ 23.98	Pass
11ax-HE40	MCS0	118	5590	20.57	20.31	23.45	≤ 23.98	Pass
11ax-HE40	MCS0	134	5670	19.70	20.41	23.08	≤ 23.98	Pass
11ax-HE40	MCS0	142	5710	19.55	20.39	23.00	≤ 23.98	Pass
11ax-HE40	MCS0	151	5755	25.47	25.76	28.63	≤ 30.00	Pass
11ax-HE40	MCS0	159	5795	25.17	25.61	28.41	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	Average Power Limit (dBm)	Result
11ax-HE80	MCS0	42	5210	21.70	22.45	25.10	≤ 30.00	Pass
11ax-HE80	MCS0	58	5290	20.65	20.45	23.56	≤ 23.98	Pass
11ax-HE80	MCS0	106	5530	20.14	19.96	23.06	≤ 23.98	Pass
11ax-HE80	MCS0	122	5610	19.87	19.52	22.71	≤ 23.98	Pass
11ax-HE80	MCS0	138	5690	19.88	20.48	23.20	≤ 23.98	Pass
11ax-HE80	MCS0	155	5775	24.05	24.08	27.08	≤ 30.00	Pass
11ax-HE160	MCS0	50	5250	19.44	19.38	22.42	≤ 23.98	Pass
11ax-HE160	MCS0	114	5570	20.66	20.22	23.46	≤ 23.98	Pass

Note 1:

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

Note 2:

For 5250 - 5350MHz and 5470 - 5725MHz Bands: Average Power Limit (dBm) = 23.98 dBm.

For 5150 - 5250MHz and 5725 - 5850MHz Bands: Average Power Limit (dBm) = 30 dBm.

5.2. 天線之要求

5.2.1. 適用標準

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。

5.2.2. 天線樣式

此AX3000 Gigabit Wi-Fi 6 路由器其天線為半固定式Dipole Antenna，沒有外部天線接頭，(檢附天線規格書)

Antenna Type	Frequency Band (MHz)	TX Paths	Max Antenna Gain (dBi)	BF Directional Gain (dBi)	CDD Directional Gain (dBi)	
					For Power	For PSD
Dipole Antenna	2400 ~ 2500	2	2.0	5.01	2.0	5.01
	5150 ~ 5850	2	3.0	6.01	3.0	6.01

Note:

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

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

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

- For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log (N_{ANT} / N_{SS})$ dB = 3.01;

- For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB for $N_{ANT} \leq 4$;

2. 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 = $G_{ANT} + 10 \log (N_{ANT})$.

Antenna RF Port				
Software Control Port	2.4GHz RF Port		5GHz RF Port	
	Ant 0	Ant 1	Ant 0	Ant 1
				

5.3. 最大功率頻譜密度

5.3.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第4.7.2(1)(2)(3)節

使用於5.15 GHz~5.25 GHz 頻段，供室內操作使用，在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

使用頻率於5.25 GHz~5.35 GHz 與5.470 GHz~5.725 GHz 頻段，最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

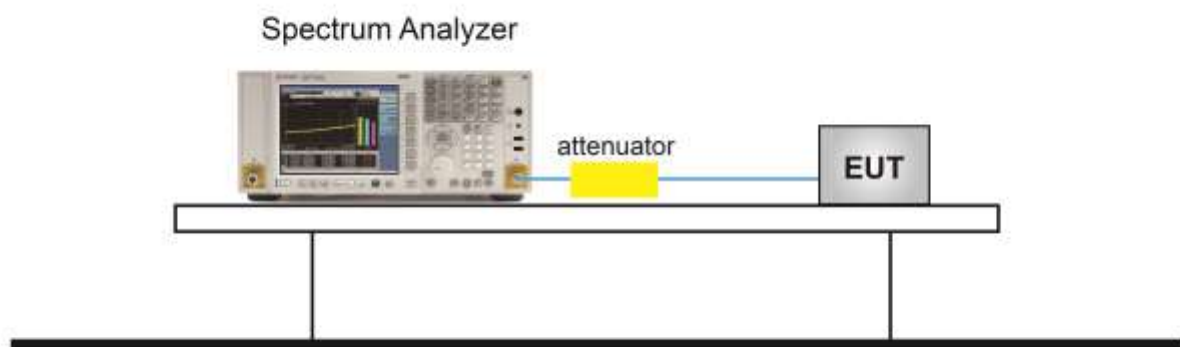
使用頻率於5.725 GHz~5.850 GHz 頻段，在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大功率頻譜密度。

5.3.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，量測定於1MHz/500kHz頻寬。

5.3.3. 測試架構圖



5.3.4. 峰值功率頻譜密度測試結果

待測物名稱	AX3000 Gigabit Wi-Fi 6 路由器	溫度	23 ~ 25°C
測試工程師	Kevin Ker	濕度	40 ~ 56%
測試場地	SR1	測試日期	2019/05/05 ~ 2019/11/08

Test Mode	Data Rate /MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	MCS0	36	5180	3.41	4.13	100.00	6.79	≤ 16.99	Pass
11ac-VHT20	MCS0	44	5220	13.66	13.95	100.00	16.82	≤ 16.99	Pass
11ac-VHT20	MCS0	48	5240	13.77	13.72	100.00	16.76	≤ 16.99	Pass
11ac-VHT20	MCS0	52	5260	7.28	8.37	100.00	10.87	≤ 10.99	Pass
11ac-VHT20	MCS0	60	5300	7.00	7.68	100.00	10.36	≤ 10.99	Pass
11ac-VHT20	MCS0	64	5320	7.47	7.46	100.00	10.48	≤ 10.99	Pass
11ac-VHT20	MCS0	100	5500	7.63	7.53	100.00	10.59	≤ 10.99	Pass
11ac-VHT20	MCS0	120	5600	7.94	7.39	100.00	10.68	≤ 10.99	Pass
11ac-VHT20	MCS0	140	5700	7.55	8.21	100.00	10.90	≤ 10.99	Pass
11ac-VHT20	MCS0	144	5720	7.92	7.71	100.00	10.83	≤ 10.99	Pass
11ac-VHT40	MCS0	38	5190	4.46	4.22	100.00	7.35	≤ 16.99	Pass
11ac-VHT40	MCS0	46	5230	11.72	11.75	100.00	14.75	≤ 16.99	Pass
11ac-VHT40	MCS0	54	5270	4.23	4.23	100.00	7.24	≤ 10.99	Pass
11ac-VHT40	MCS0	62	5310	5.68	6.36	100.00	9.05	≤ 10.99	Pass
11ac-VHT40	MCS0	102	5510	1.86	1.04	100.00	4.48	≤ 10.99	Pass
11ac-VHT40	MCS0	118	5590	5.67	5.40	100.00	8.54	≤ 10.99	Pass
11ac-VHT40	MCS0	134	5670	5.57	5.08	100.00	8.34	≤ 10.99	Pass
11ac-VHT40	MCS0	142	5710	4.62	4.12	100.00	7.39	≤ 10.99	Pass
11ac-VHT80	MCS0	42	5210	3.35	2.53	100.00	5.97	≤ 16.99	Pass
11ac-VHT80	MCS0	58	5290	3.00	2.89	100.00	5.96	≤ 10.99	Pass
11ac-VHT80	MCS0	106	5530	2.12	1.36	100.00	4.76	≤ 10.99	Pass
11ac-VHT80	MCS0	122	5610	1.98	2.06	100.00	5.03	≤ 10.99	Pass
11ac-VHT80	MCS0	138	5690	2.42	3.07	100.00	5.77	≤ 10.99	Pass
11ac-VHT160	MCS0	50	5250	-0.54	-1.03	100.00	2.23	≤ 10.99	Pass
11ac-VHT160	MCS0	114	5570	-0.71	-0.90	100.00	2.21	≤ 10.99	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11ax-HE20	MCS0	36	5180	9.79	8.40	100.00	12.16	≤ 16.99	Pass
11ax-HE20	MCS0	44	5220	13.25	13.81	100.00	16.55	≤ 16.99	Pass
11ax-HE20	MCS0	48	5240	13.75	13.97	100.00	16.87	≤ 16.99	Pass
11ax-HE20	MCS0	52	5260	7.30	7.38	100.00	10.35	≤ 10.99	Pass
11ax-HE20	MCS0	60	5300	6.72	6.76	100.00	9.75	≤ 10.99	Pass
11ax-HE20	MCS0	64	5320	6.18	6.28	100.00	9.24	≤ 10.99	Pass
11ax-HE20	MCS0	100	5500	7.05	6.63	100.00	9.85	≤ 10.99	Pass
11ax-HE20	MCS0	120	5600	7.16	7.69	100.00	10.44	≤ 10.99	Pass
11ax-HE20	MCS0	140	5700	3.91	3.33	100.00	6.64	≤ 10.99	Pass
11ax-HE20	MCS0	144	5720	7.52	7.28	100.00	10.41	≤ 10.99	Pass
11ax-HE40	MCS0	38	5190	6.14	5.50	100.00	8.84	≤ 16.99	Pass
11ax-HE40	MCS0	46	5230	12.18	12.27	100.00	15.24	≤ 16.99	Pass
11ax-HE40	MCS0	54	5270	5.82	5.83	100.00	8.84	≤ 10.99	Pass
11ax-HE40	MCS0	62	5310	5.47	6.79	100.00	9.19	≤ 10.99	Pass
11ax-HE40	MCS0	102	5510	3.09	2.84	100.00	5.98	≤ 10.99	Pass
11ax-HE40	MCS0	118	5590	5.64	5.18	100.00	8.43	≤ 10.99	Pass
11ax-HE40	MCS0	134	5670	5.37	4.82	100.00	8.11	≤ 10.99	Pass
11ax-HE40	MCS0	142	5710	4.71	5.35	100.00	8.05	≤ 10.99	Pass
11ax-HE80	MCS0	42	5210	3.94	3.44	100.00	6.71	≤ 16.99	Pass
11ax-HE80	MCS0	58	5290	3.19	2.67	100.00	5.94	≤ 10.99	Pass
11ax-HE80	MCS0	106	5530	1.85	1.14	100.00	4.52	≤ 10.99	Pass
11ax-HE80	MCS0	122	5610	2.26	1.98	100.00	5.13	≤ 10.99	Pass
11ax-HE80	MCS0	122	5690	1.85	2.35	100.00	5.12	≤ 10.99	Pass
11ax-HE160	MCS0	50	5250	-0.53	-0.79	100.00	2.35	≤ 10.99	Pass
11ax-HE160	MCS0	114	5570	-0.71	2.16	100.00	2.16	≤ 10.99	Pass

Note 1:

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

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

Note 2:

For 5150 - 5250MHz Bands: PSD Limit (dBm/MHz) = 17 - (6.01 - 6) = 16.99dBm/MHz.

For 5250 - 5725MHz Bands: PSD Limit (dBm/MHz) = 11 - (6.01 - 6) = 10.99dBm/MHz.

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ 100kHz)	Ant 1 PSD (dBm/ 100kHz)	Duty Cycle (%)	Constant Factor (dB)	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Result
11ac-VHT20	MCS0	149	5745	4.83	4.19	100.00	6.99	14.52	≤ 29.99	Pass
11ac-VHT20	MCS0	157	5785	4.96	4.47	100.00	6.99	14.72	≤ 29.99	Pass
11ac-VHT20	MCS0	165	5825	4.73	4.76	100.00	6.99	14.75	≤ 29.99	Pass
11ac-VHT40	MCS0	151	5755	0.98	0.53	100.00	6.99	10.76	≤ 29.99	Pass
11ac-VHT40	MCS0	159	5795	1.28	1.05	100.00	6.99	11.17	≤ 29.99	Pass
11ac-VHT80	MCS0	155	5775	-2.47	-2.36	100.00	6.99	7.59	≤ 29.99	Pass
11ax-HE20	MCS0	149	5745	6.03	6.11	100.00	6.99	16.07	≤ 29.99	Pass
11ax-HE20	MCS0	157	5785	6.33	6.16	100.00	6.99	16.25	≤ 29.99	Pass
11ax-HE20	MCS0	165	5825	5.97	6.14	100.00	6.99	16.06	≤ 29.99	Pass
11ax-HE40	MCS0	151	5755	2.56	2.08	100.00	6.99	12.33	≤ 29.99	Pass
11ax-HE40	MCS0	159	5795	2.57	3.07	100.00	6.99	12.83	≤ 29.99	Pass
11ax-HE80	MCS0	155	5775	-2.06	-1.77	100.00	6.99	8.09	≤ 29.99	Pass

Note 1:

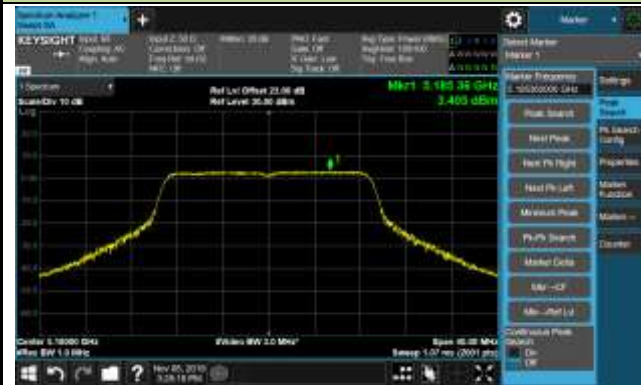
When EUT duty cycle ≥ 98%, the total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor (dB).

When EUT duty cycle < 98%, the total PSD (dBm/500kHz) = $10 \cdot \log \{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)}\}$ (dBm/100kHz) + Constant Factor (dB) + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 2: PSD Limit (dBm/500kHz) = 30 - (6.01 - 6) = 29.99dBm/500kHz.

802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 36 (5180MHz)



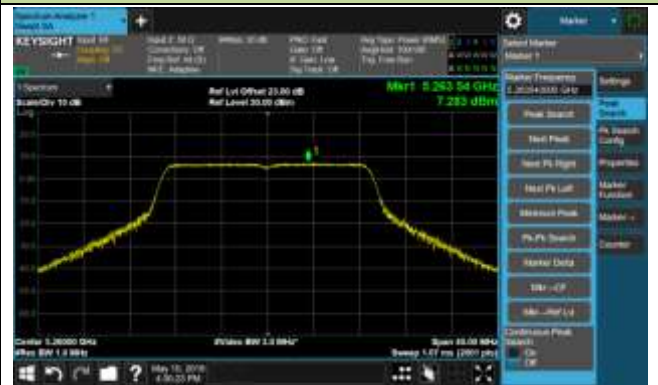
Channel 44 (5220MHz)



Channel 48 (5240MHz)



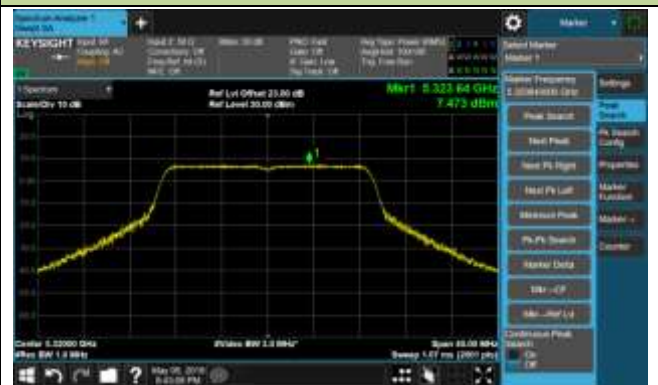
Channel 52 (5260MHz)



Channel 60 (5300MHz)



Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 120 (5600MHz)



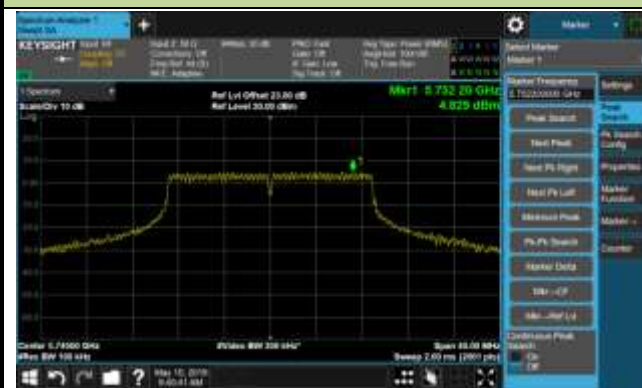
Channel 140 (5700MHz)



Channel 144 (5710MHz)



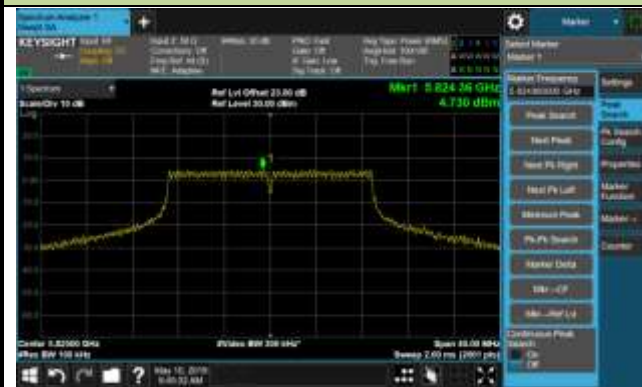
Channel 149 (5745MHz)



Channel 157 (5785MHz)

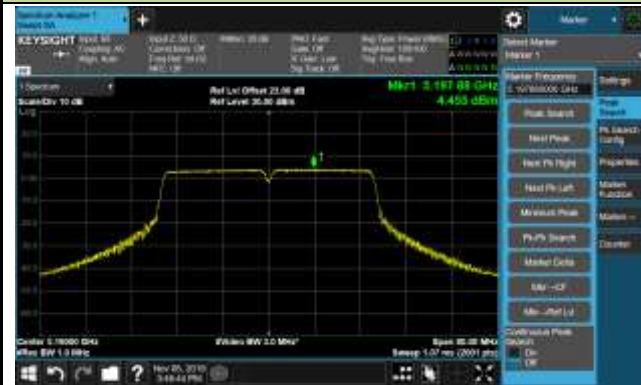


Channel 165 (5825MHz)

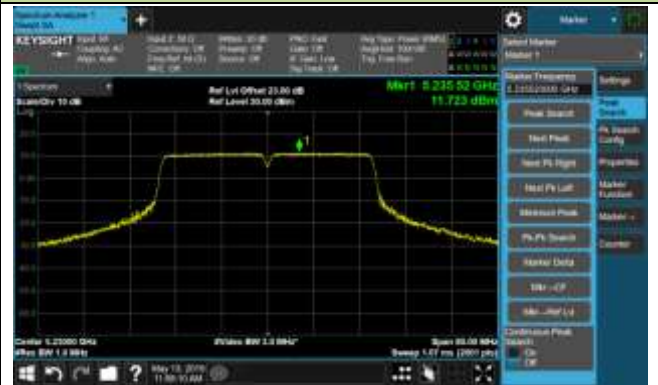


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1

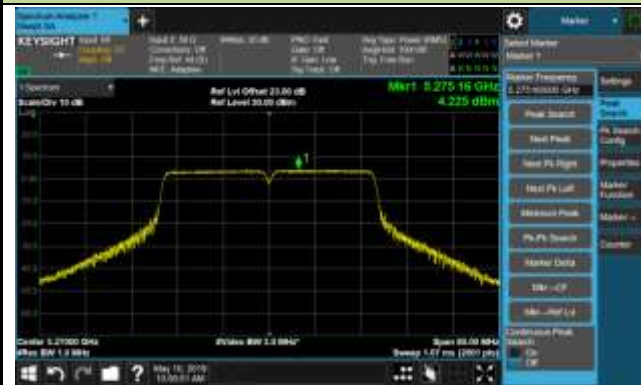
Channel 38 (5190MHz)



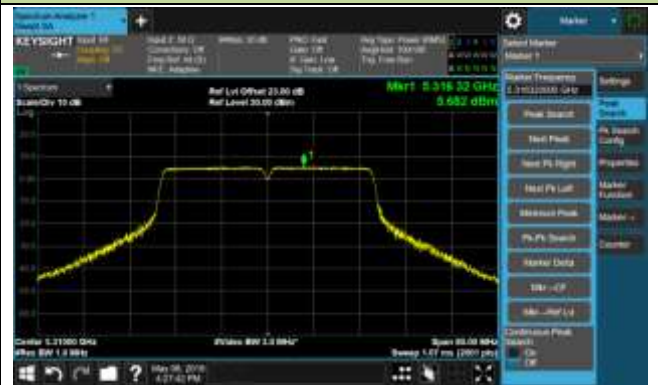
Channel 46 (5230MHz)



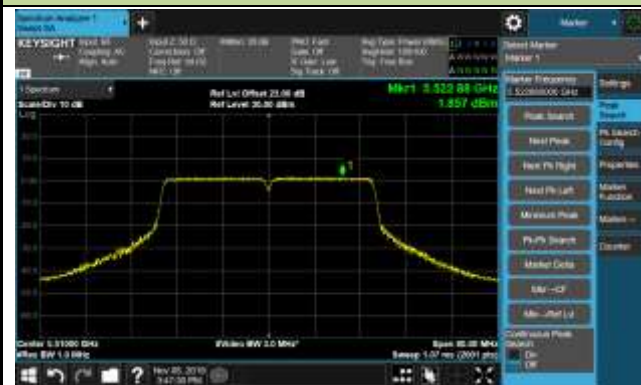
Channel 54 (5270MHz)



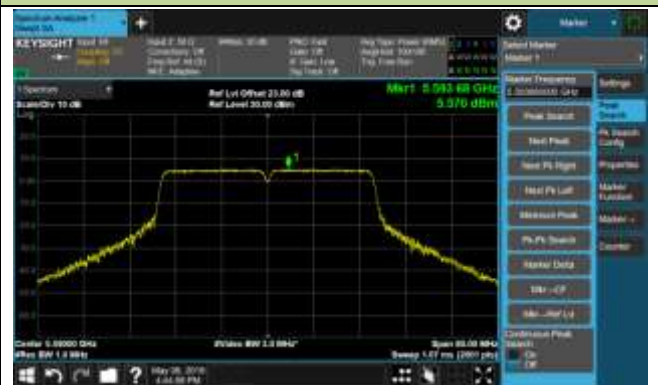
Channel 62 (5310MHz)



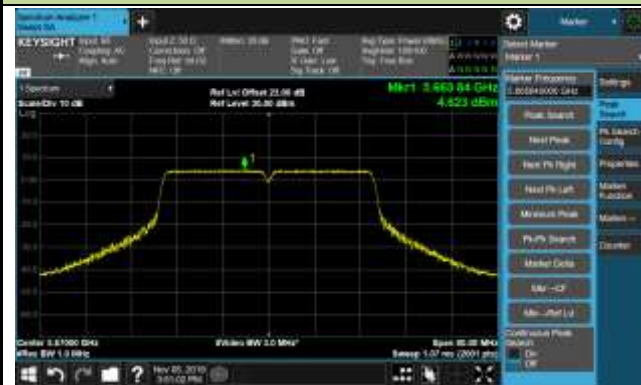
Channel 102 (5510MHz)



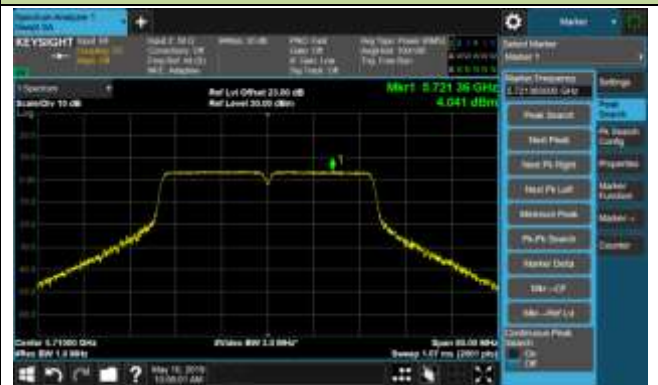
Channel 118 (5590MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)



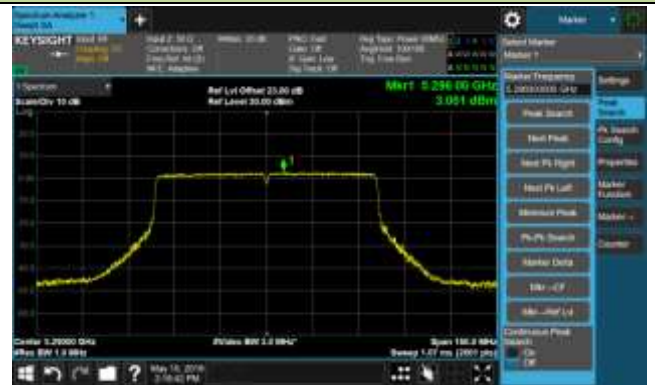


802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 42 (5210MHz)



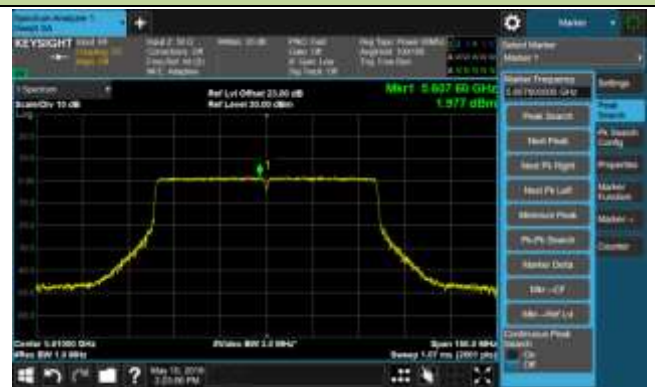
Channel 58 (5290MHz)



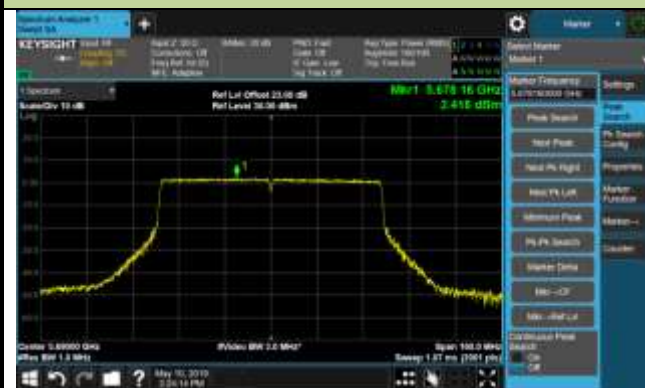
Channel 106 (5530MHz)



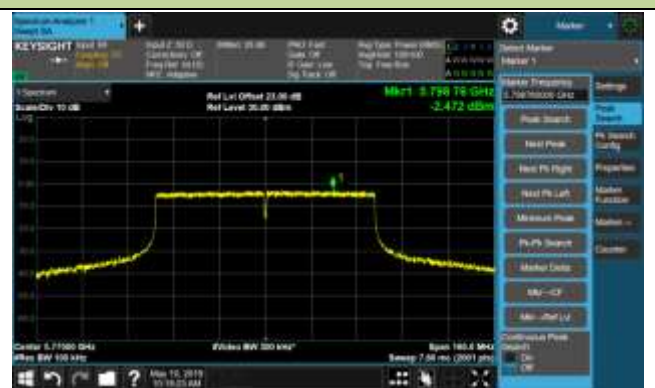
Channel 122 (5610MHz)



Channel 138 (5690MHz)

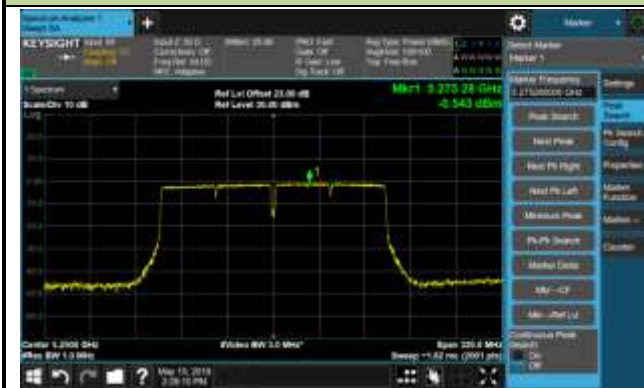


Channel 155 (5775MHz)

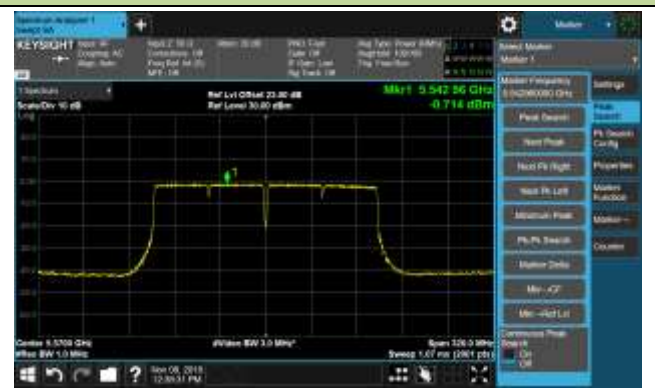


802.11ac-VHT160 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 50 (5250MHz)



Channel 114 (5570MHz)



802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 36 (5180MHz)



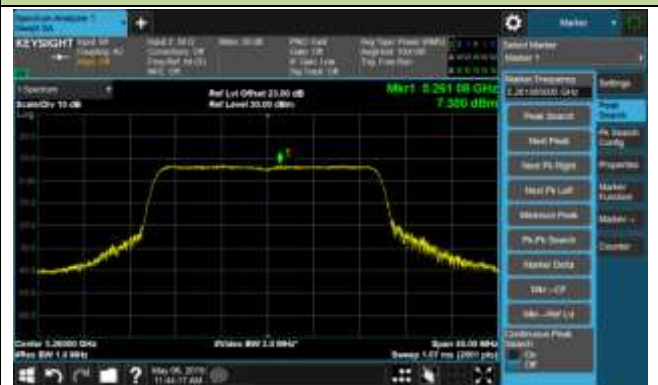
Channel 44 (5220MHz)



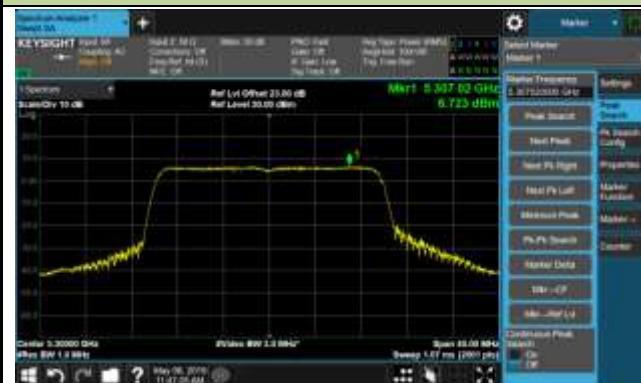
Channel 48 (5240MHz)



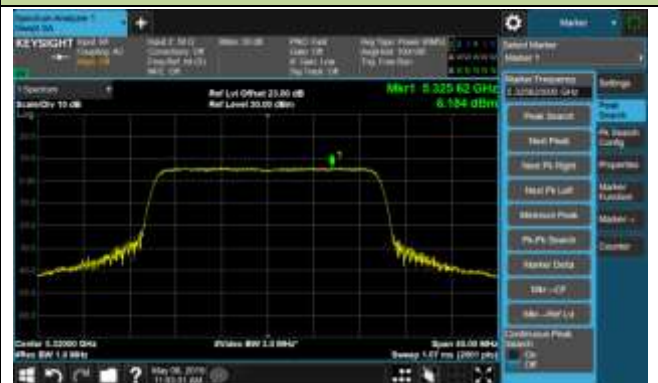
Channel 52 (5260MHz)



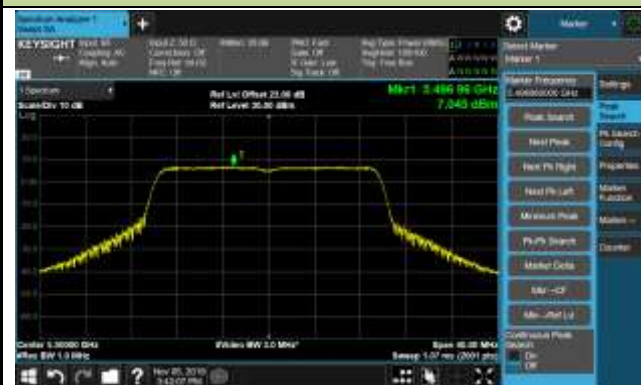
Channel 60 (5300MHz)



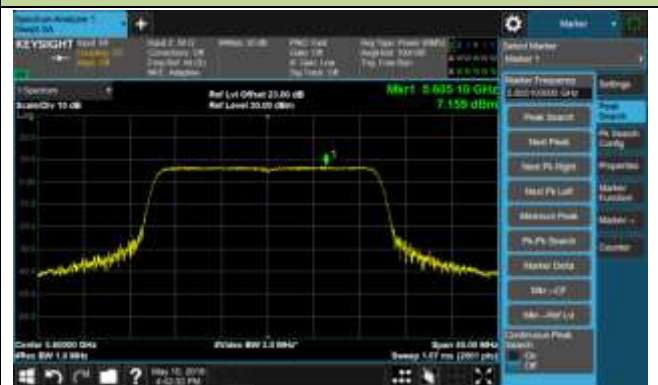
Channel 64 (5320MHz)



Channel 100 (5500MHz)



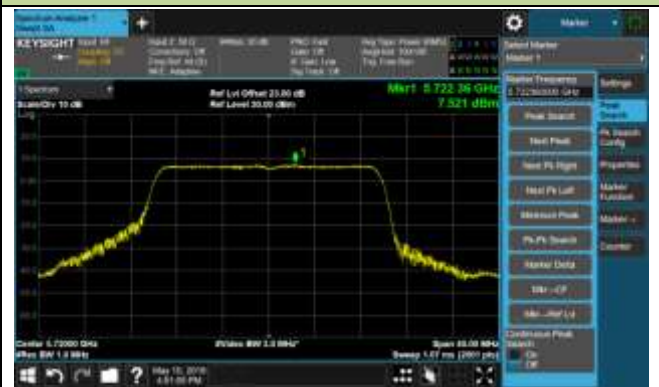
Channel 120 (5600MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

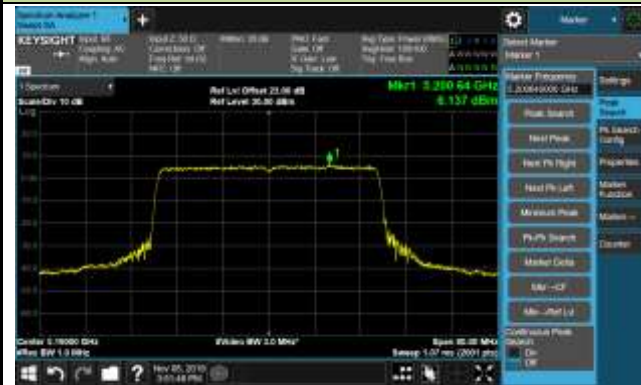


Channel 165 (5825MHz)



802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1

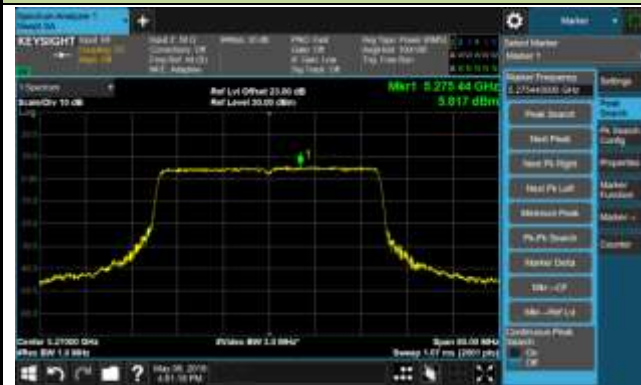
Channel 38 (5190MHz)



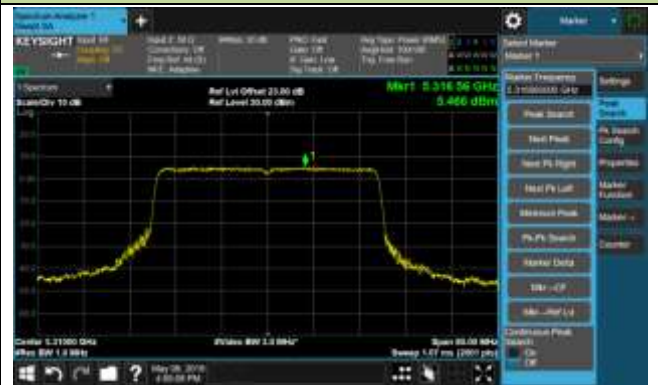
Channel 46 (5230MHz)



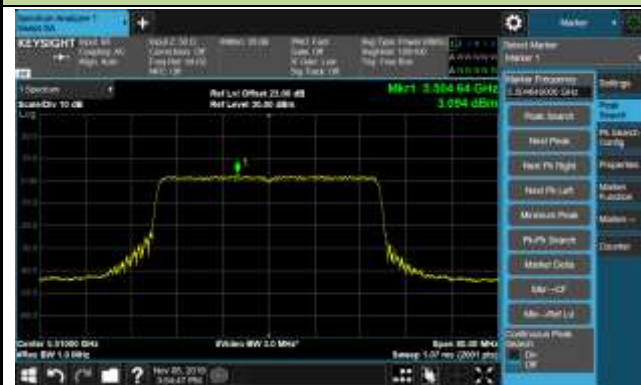
Channel 54 (5270MHz)



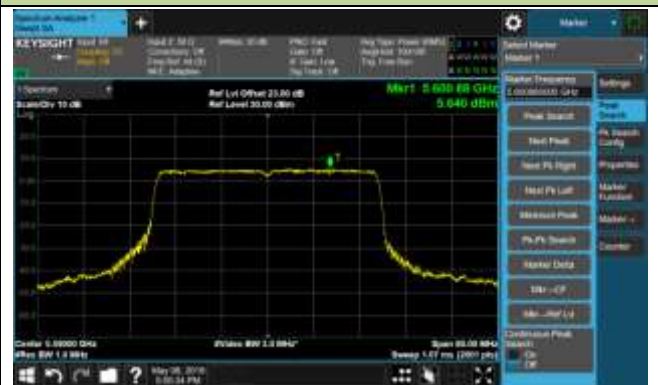
Channel 62 (5310MHz)



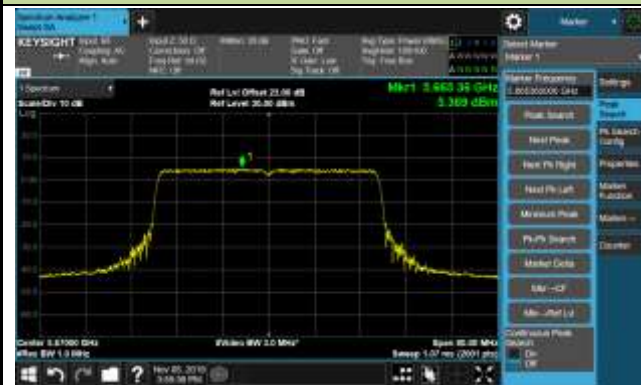
Channel 102 (5510MHz)



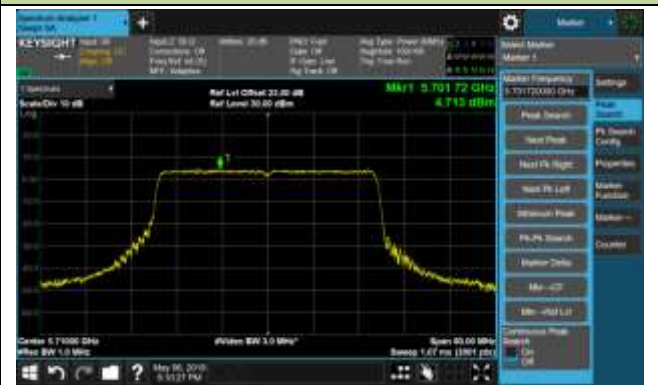
Channel 118 (5590MHz)

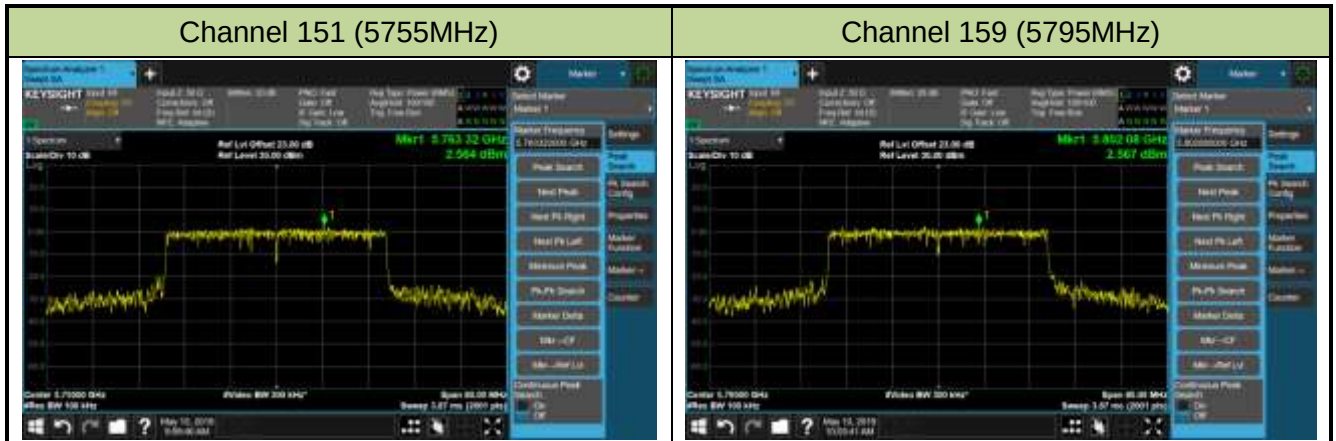


Channel 134 (5670MHz)



Channel 142 (5710MHz)





802.11ax-HE80 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 42 (5210MHz)



Channel 58 (5290MHz)



Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)

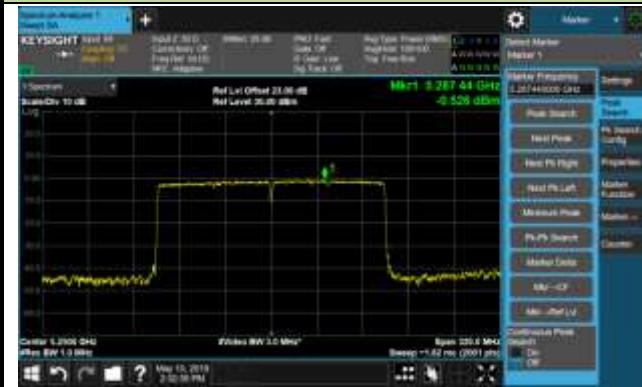


Channel 155 (5775MHz)



802.11ax-HE160 Power Spectral Density - Ant 0 / Ant 0 + 1

Channel 50 (5250MHz)

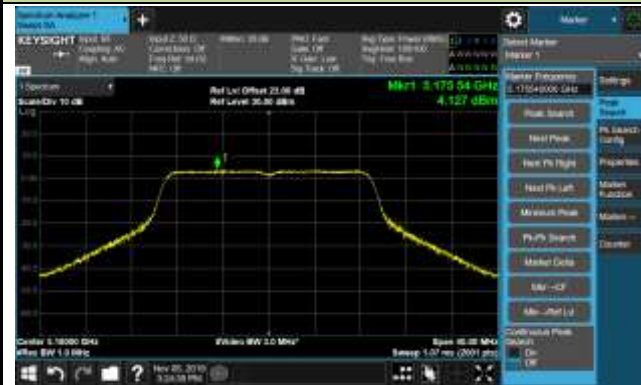


Channel 114 (5570MHz)



802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



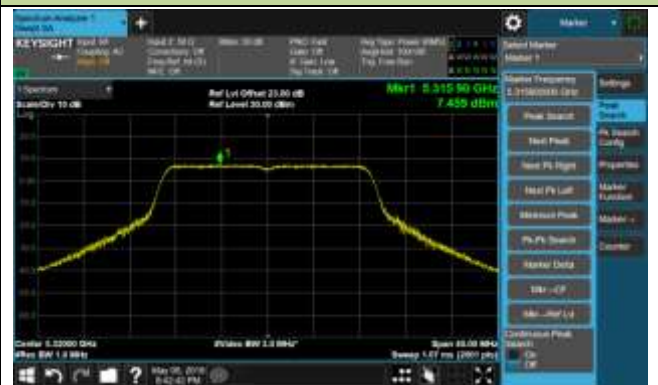
Channel 52 (5260MHz)



Channel 60 (5300MHz)



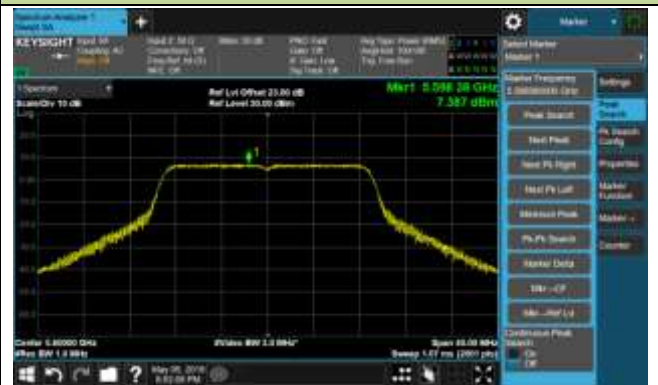
Channel 64 (5320MHz)



Channel 100 (5500MHz)



Channel 120 (5600MHz)



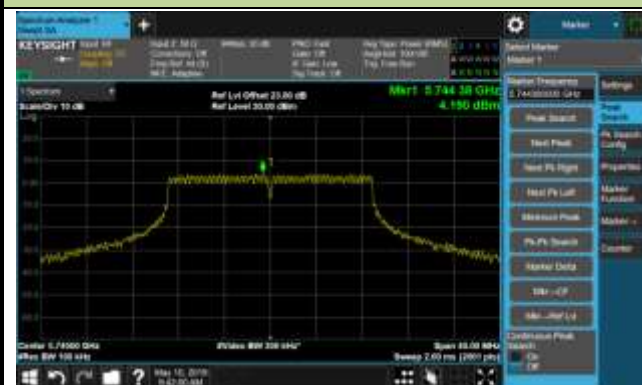
Channel 140 (5700MHz)



Channel 144 (5720MHz)



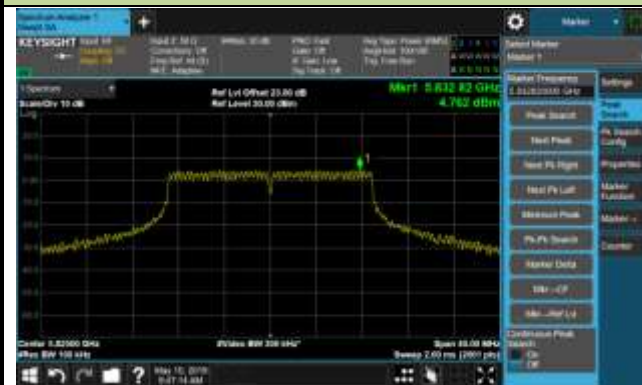
Channel 149 (5745MHz)



Channel 157 (5785MHz)

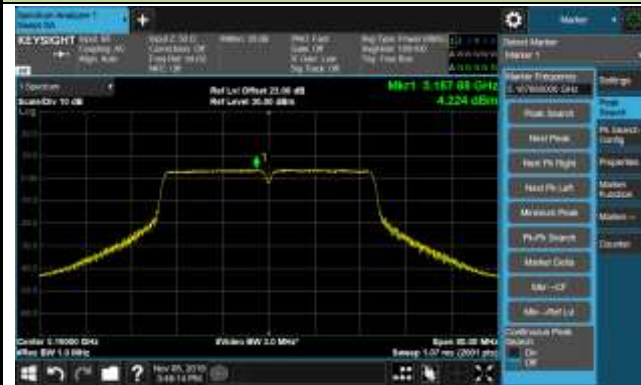


Channel 165 (5825MHz)



802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1

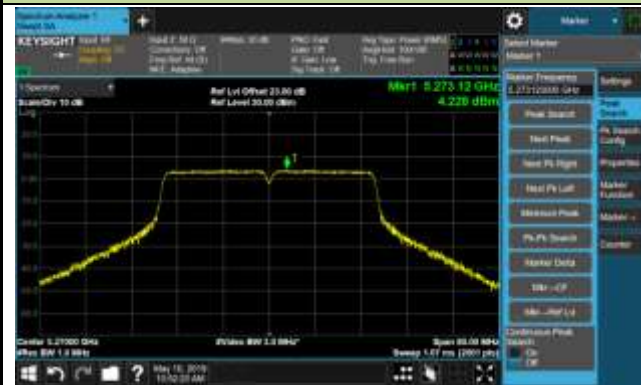
Channel 38 (5190MHz)



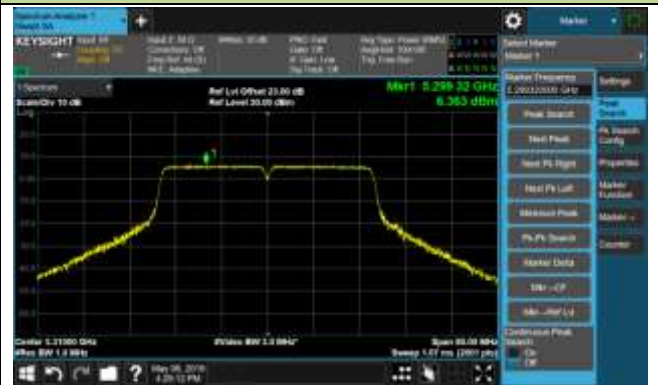
Channel 46 (5230MHz)



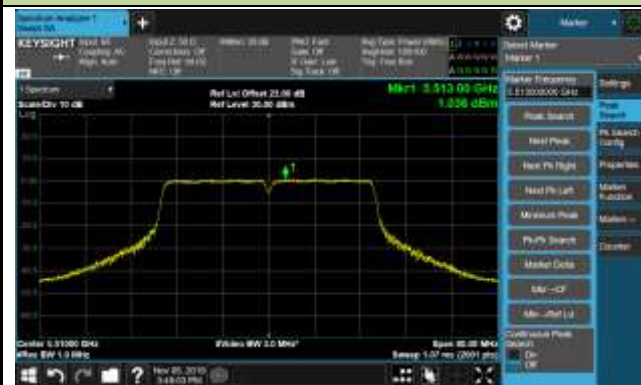
Channel 54 (5270MHz)



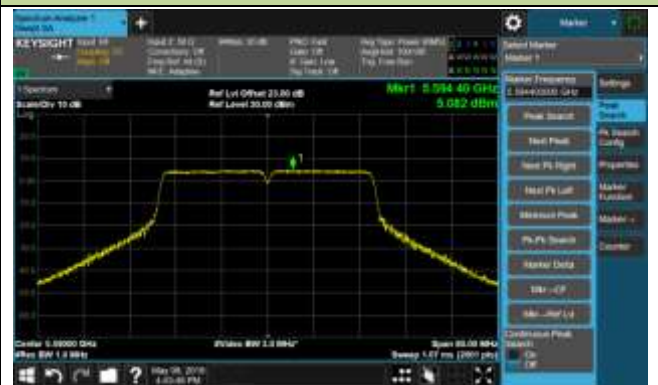
Channel 62 (5310MHz)



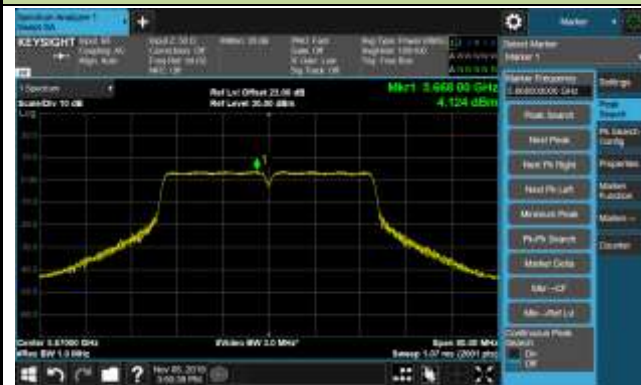
Channel 102 (5510MHz)



Channel 118 (5590MHz)



Channel 134 (5670MHz)



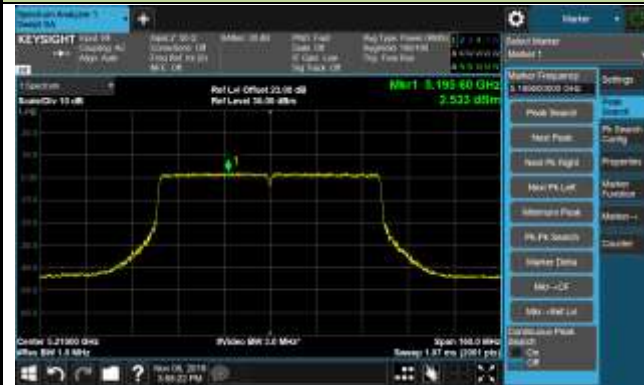
Channel 142 (5710MHz)



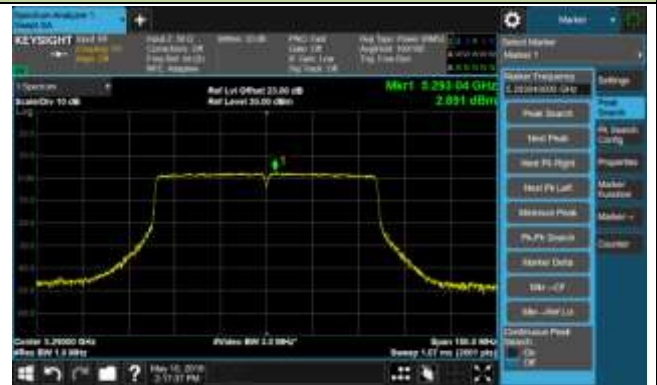


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 42 (5210MHz)



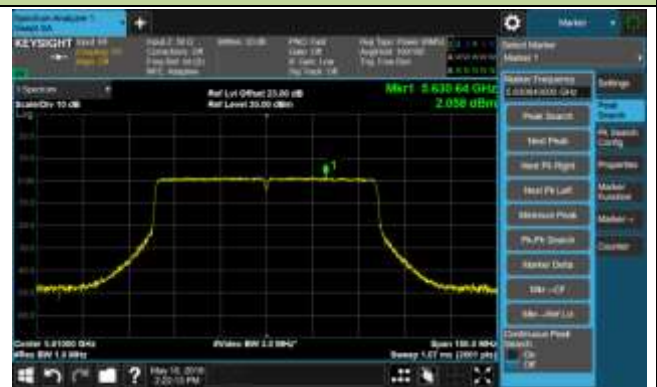
Channel 58 (5290MHz)



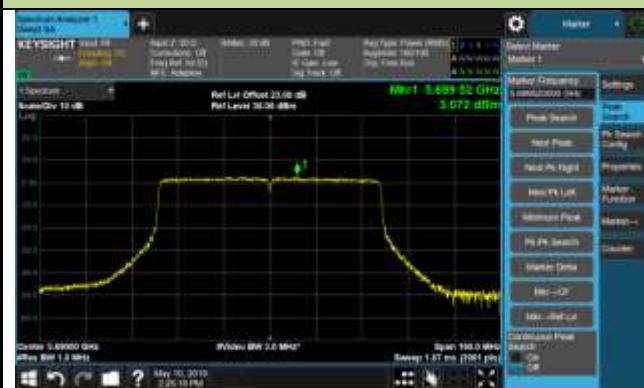
Channel 106 (5530MHz)



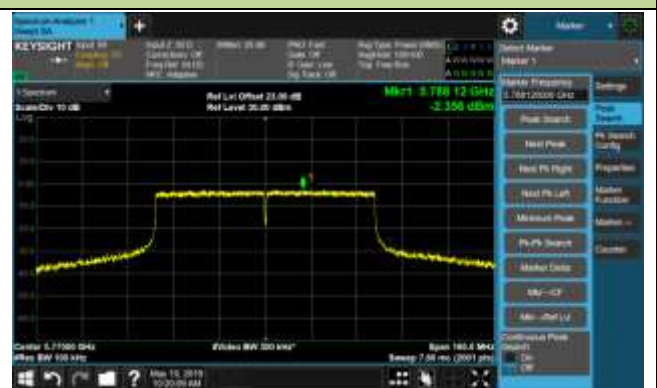
Channel 122 (5610MHz)



Channel 138 (5690MHz)

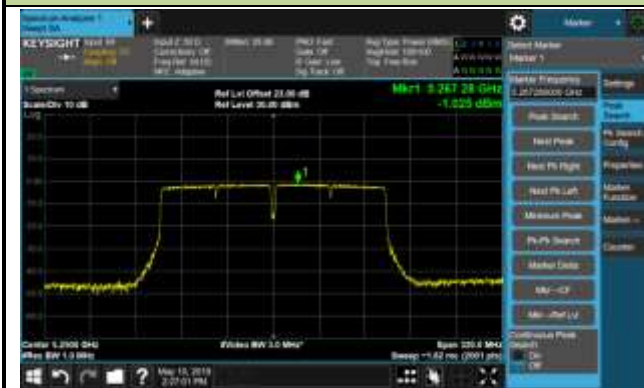


Channel 155 (5775MHz)

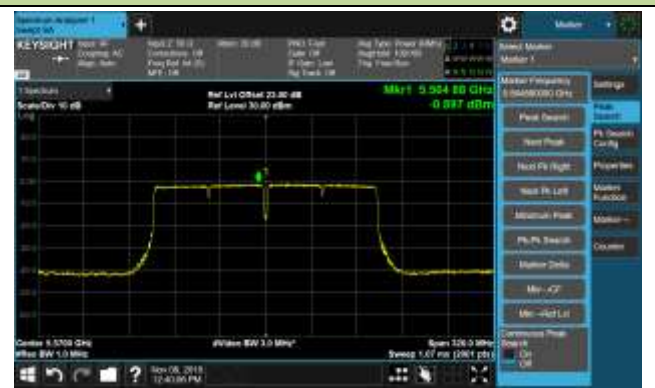


802.11ac-VHT160 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 50 (5250MHz)

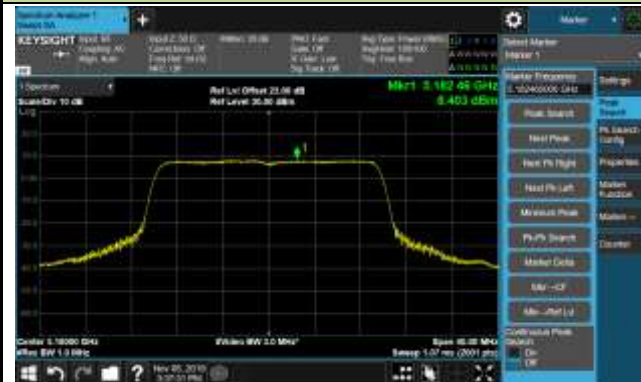


Channel 114 (5570MHz)



802.11ax-HE20 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 36 (5180MHz)



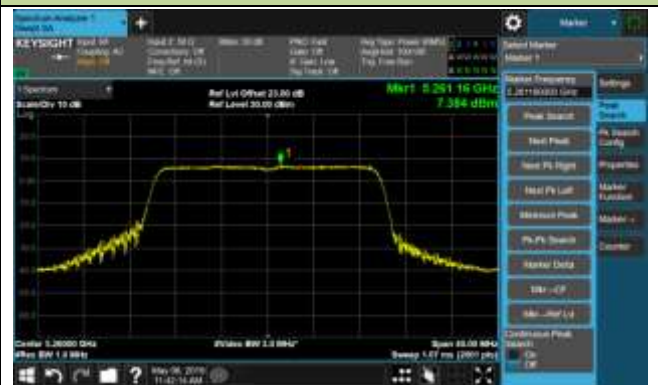
Channel 44 (5220MHz)



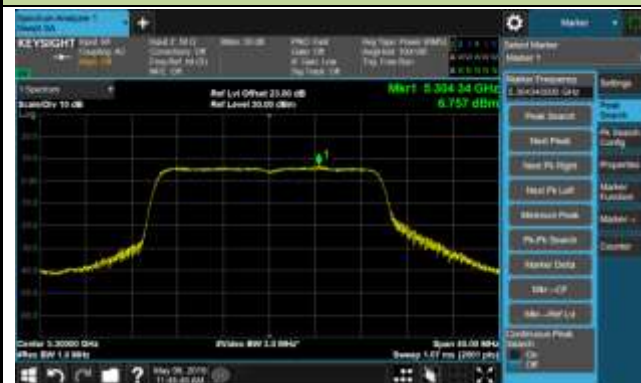
Channel 48 (5240MHz)



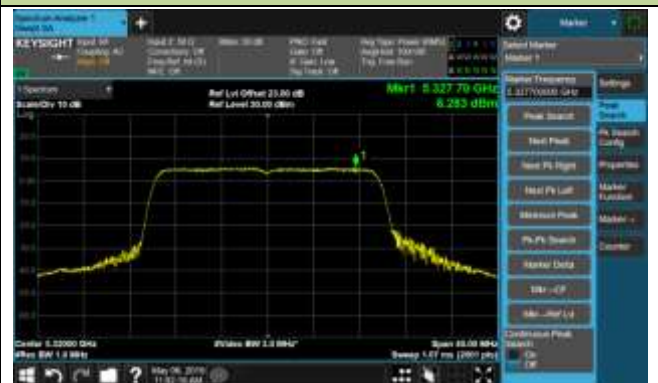
Channel 52 (5260MHz)



Channel 60 (5300MHz)



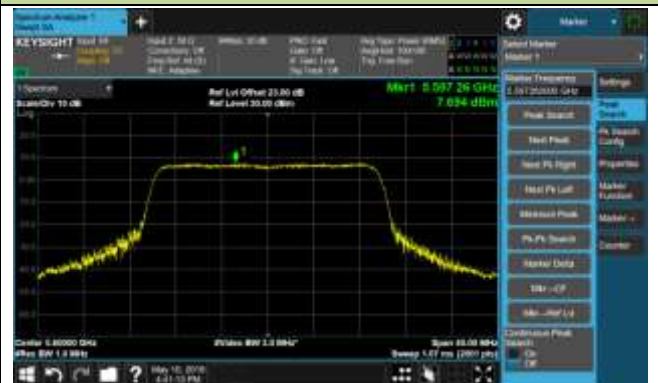
Channel 64 (5320MHz)



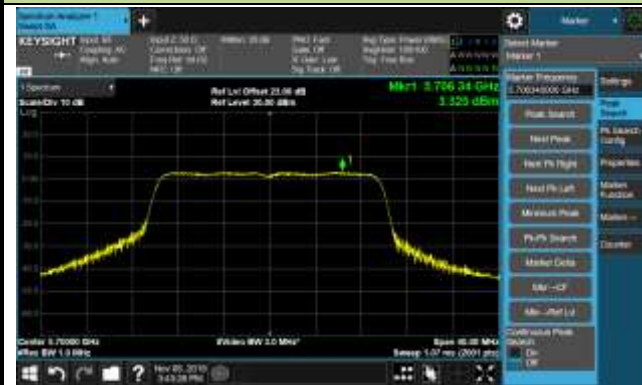
Channel 100 (5500MHz)



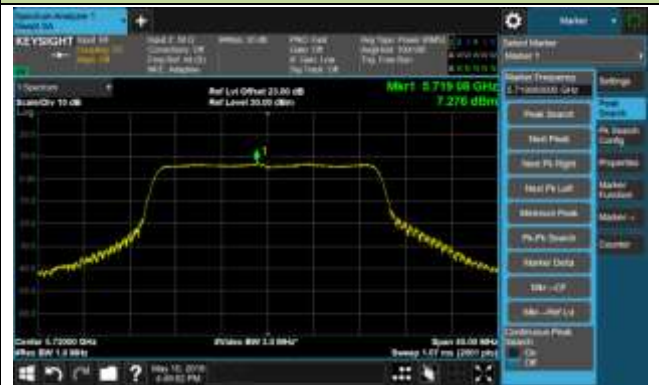
Channel 120 (5600MHz)



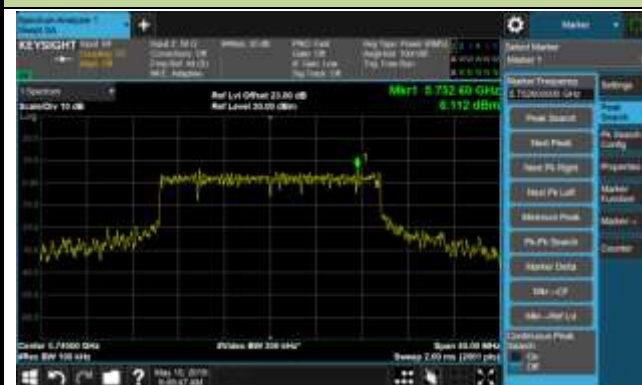
Channel 140 (5700MHz)



Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

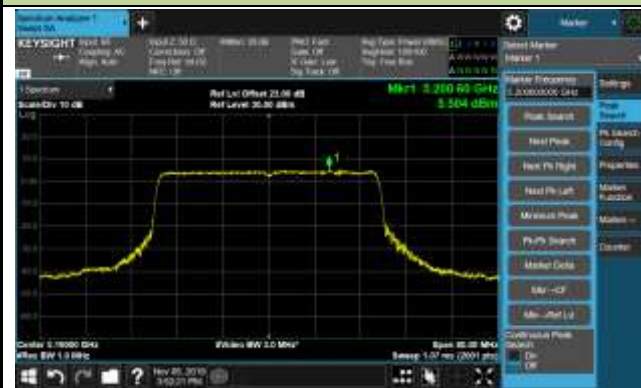


Channel 165 (5825MHz)



802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1

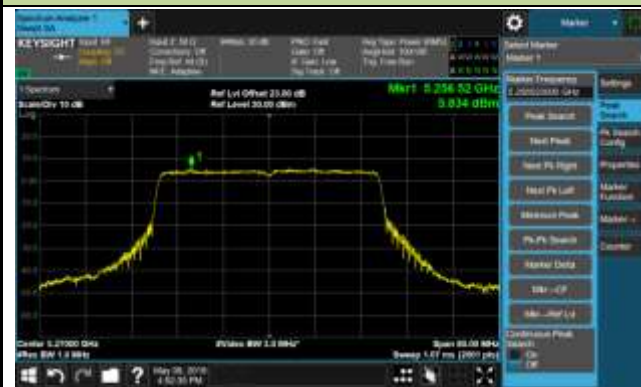
Channel 38 (5190MHz)



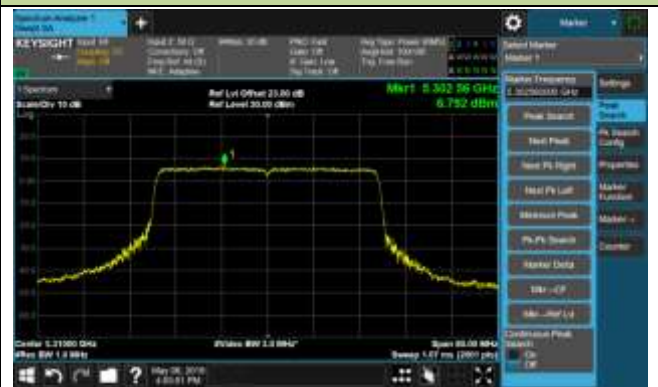
Channel 46 (5230MHz)



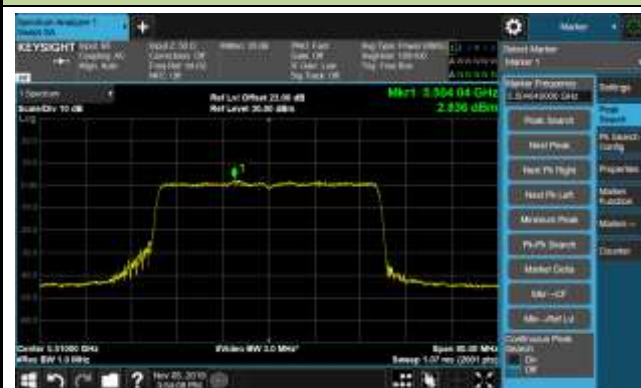
Channel 54 (5270MHz)



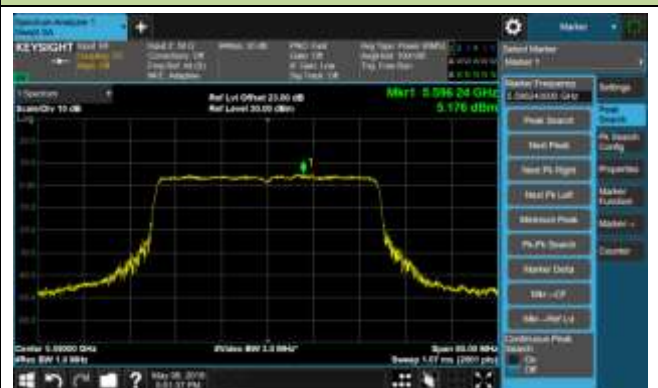
Channel 62 (5310MHz)



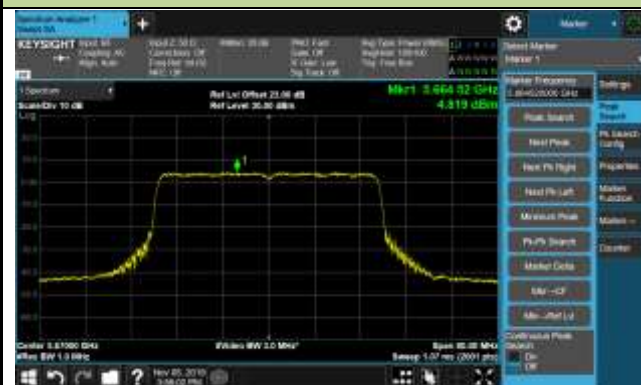
Channel 102 (5510MHz)



Channel 118 (5590MHz)

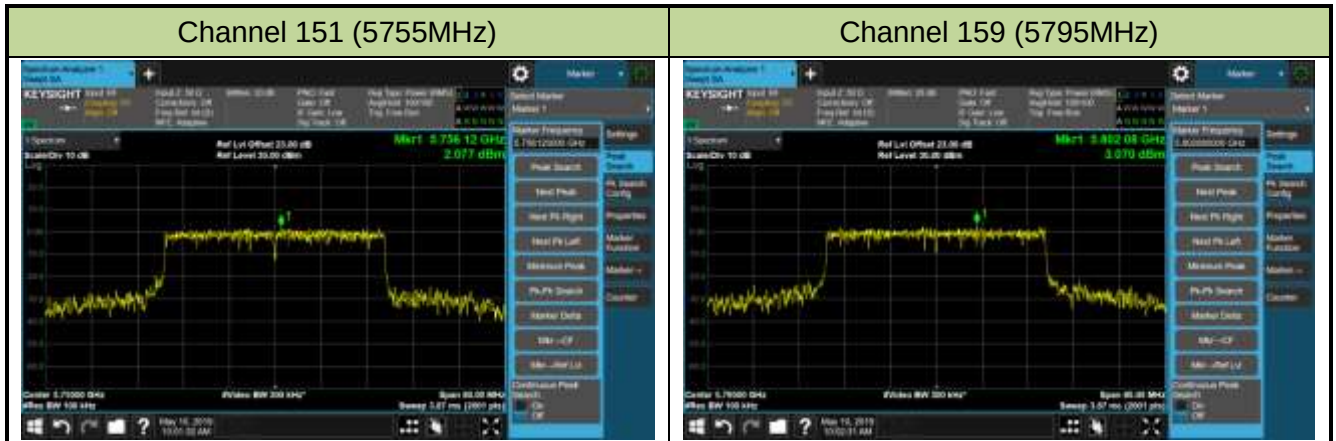


Channel 134 (5670MHz)



Channel 142 (5710MHz)



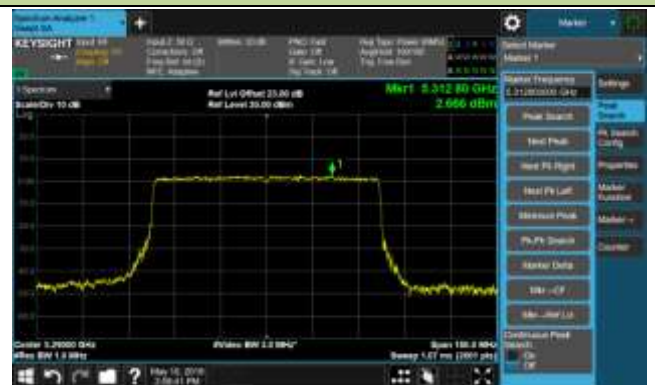


802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 42 (5210MHz)



Channel 58 (5290MHz)



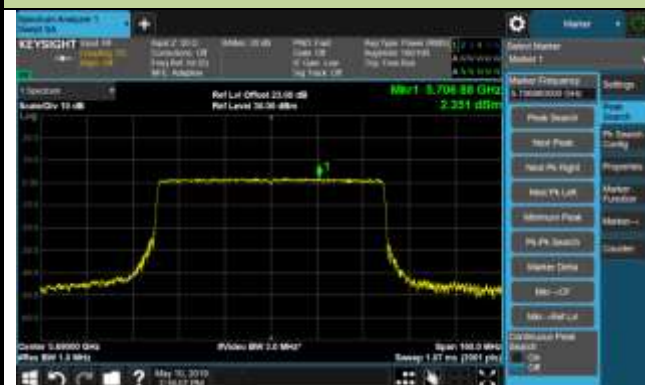
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)

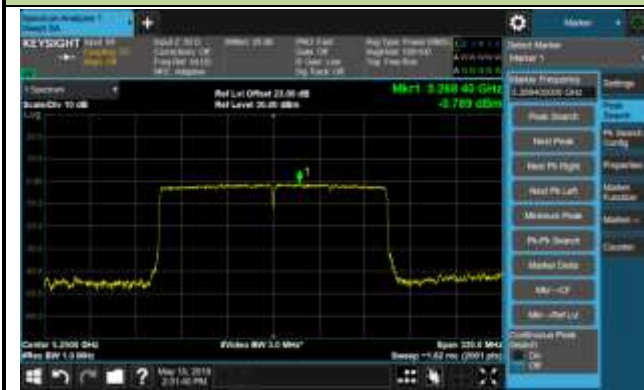


Channel 155 (5775MHz)



802.11ax-HE160 Power Spectral Density - Ant 1 / Ant 0 + 1

Channel 50 (5250MHz)



Channel 114 (5570MHz)

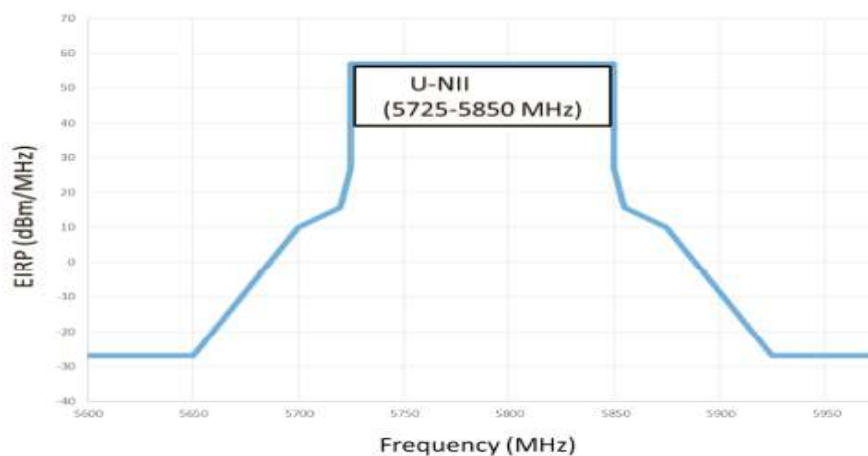


5.4. 操作頻帶外的峰值發射

5.4.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 4.7.3 節：

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

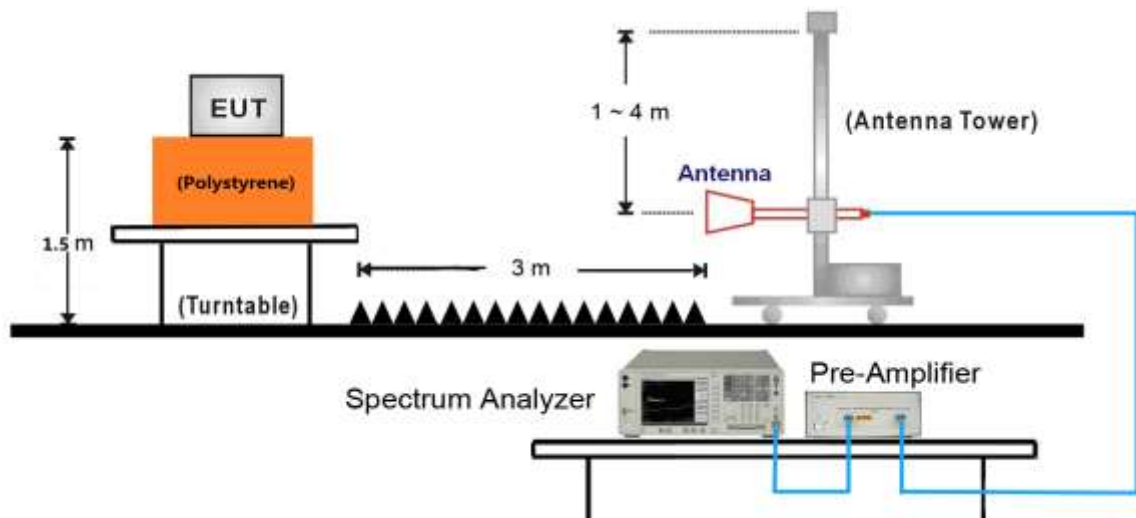


5.4.2. 量測方法

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

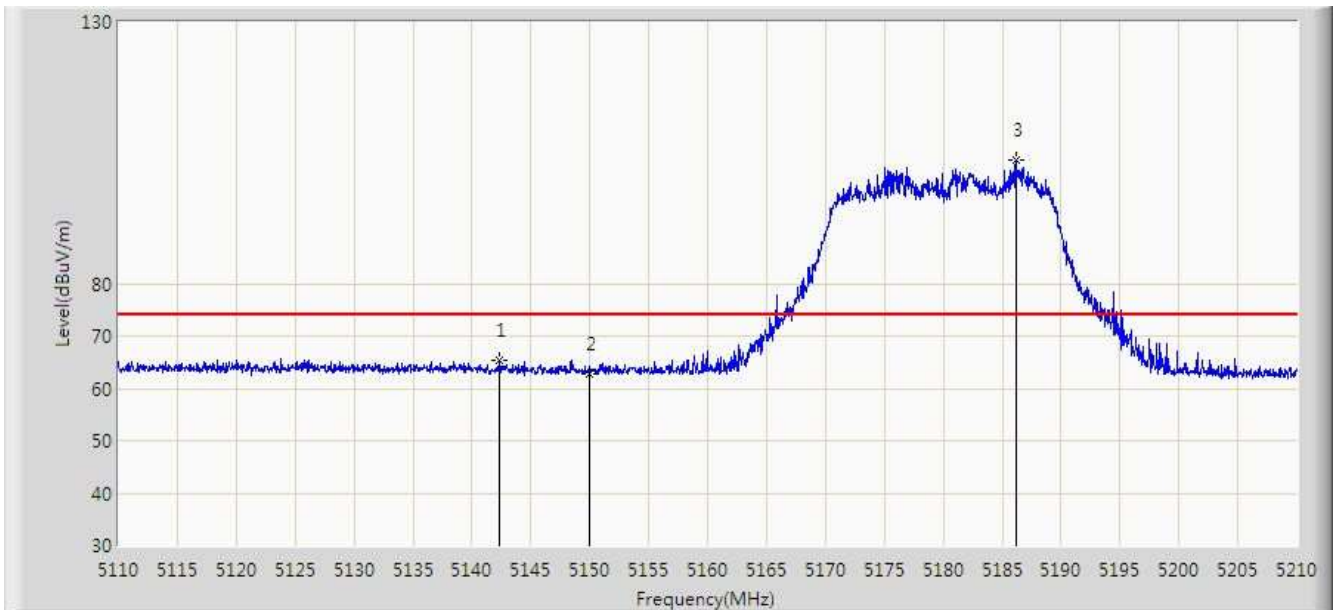
5.4.3. 測試架構圖

1GHz ~ 18GHz Test Setup



5.4.4. 操作頻帶外的峰值發射測試結果

Site: AC1	Time: 2019/10/30 - 20:23
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

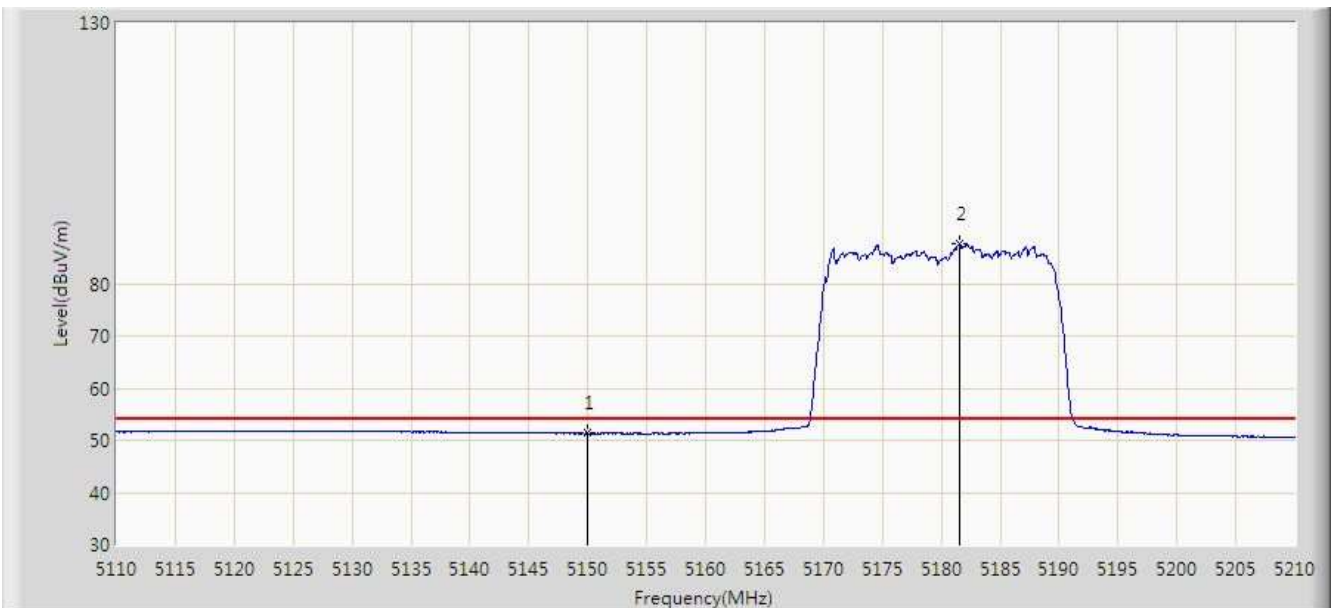


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5142.350	65.447	61.806	-8.553	74.000	3.641	PK
2			5150.000	62.858	59.212	-11.142	74.000	3.646	PK
3		*	5186.150	103.529	99.860	N/A	N/A	3.669	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:25
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

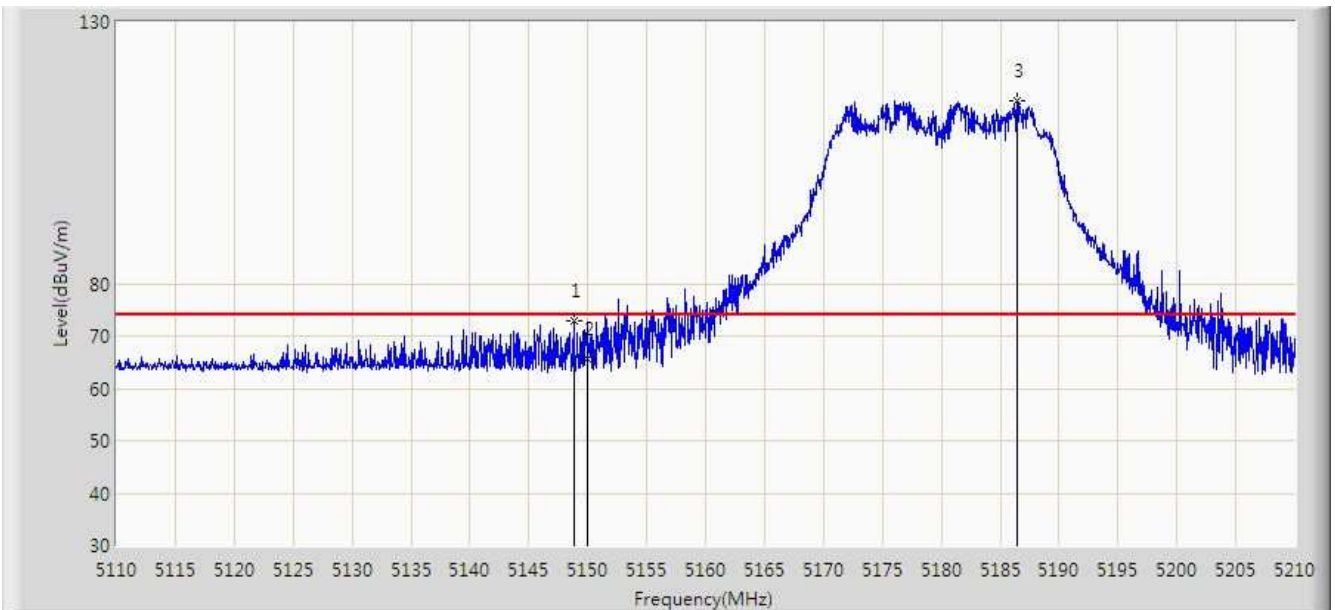


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.307	47.661	-2.693	54.000	3.646	AV
2		*	5181.550	87.625	83.959	N/A	N/A	3.666	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:19
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

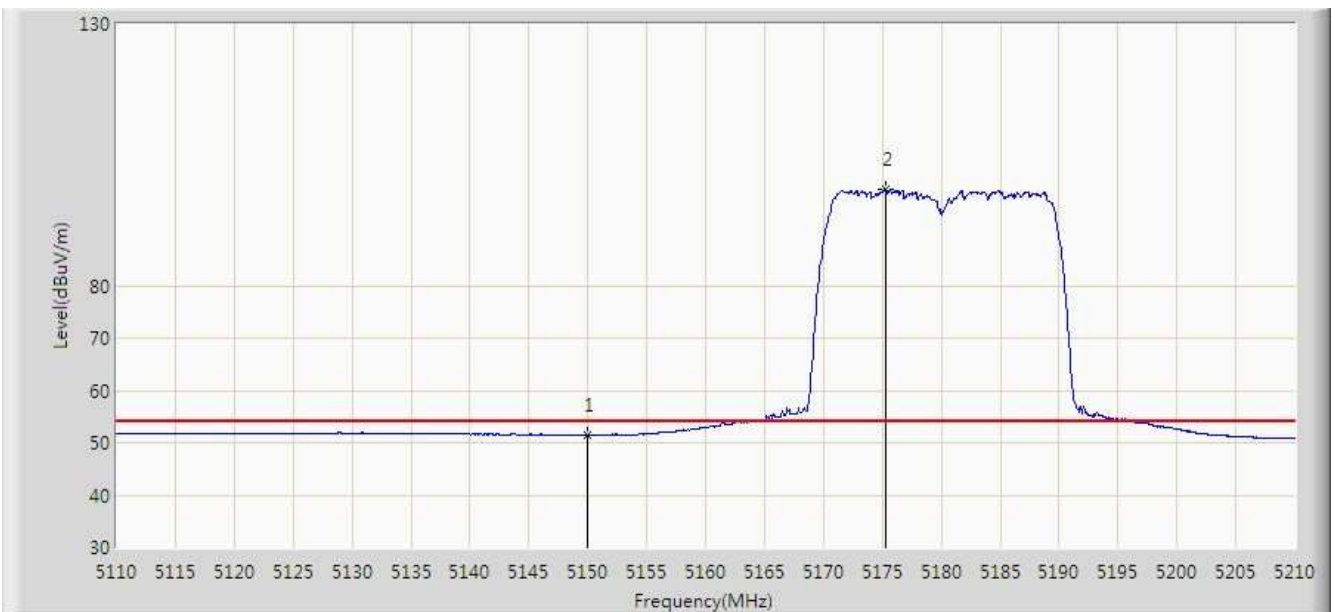


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.850	72.785	69.139	-1.215	74.000	3.645	PK
2			5150.000	65.788	62.142	-8.212	74.000	3.646	PK
3		*	5186.450	114.959	111.290	N/A	N/A	3.670	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:22
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5180MHz (Beam-Forming Mode)	

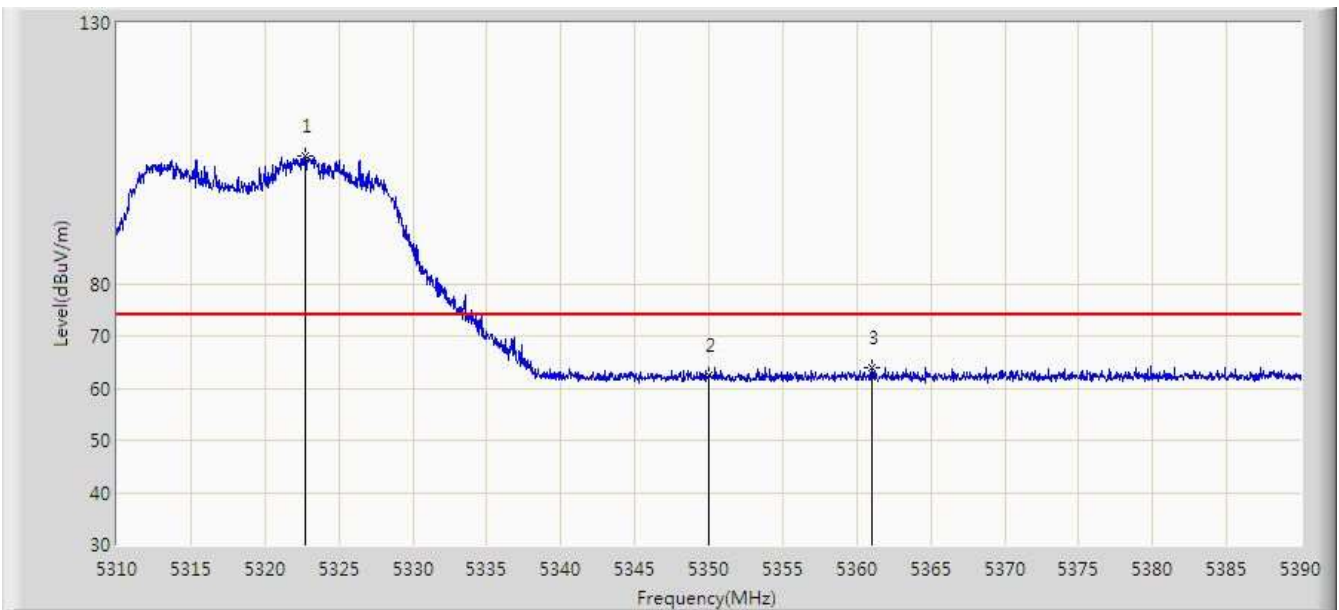


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.474	47.828	-2.526	54.000	3.646	AV
2		*	5175.250	98.343	94.681	N/A	N/A	3.662	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:33
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

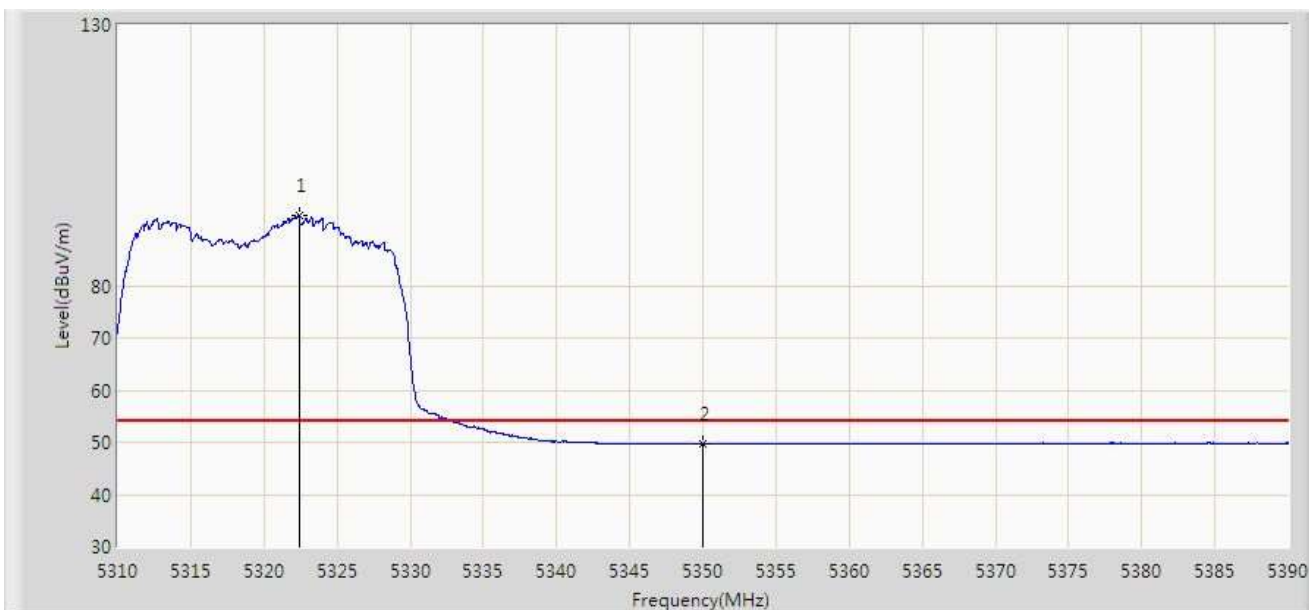


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.760	104.387	100.630	N/A	N/A	3.757	PK
2			5350.000	62.510	58.736	-11.490	74.000	3.774	PK
3			5361.000	63.839	60.058	-10.161	74.000	3.780	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:35
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

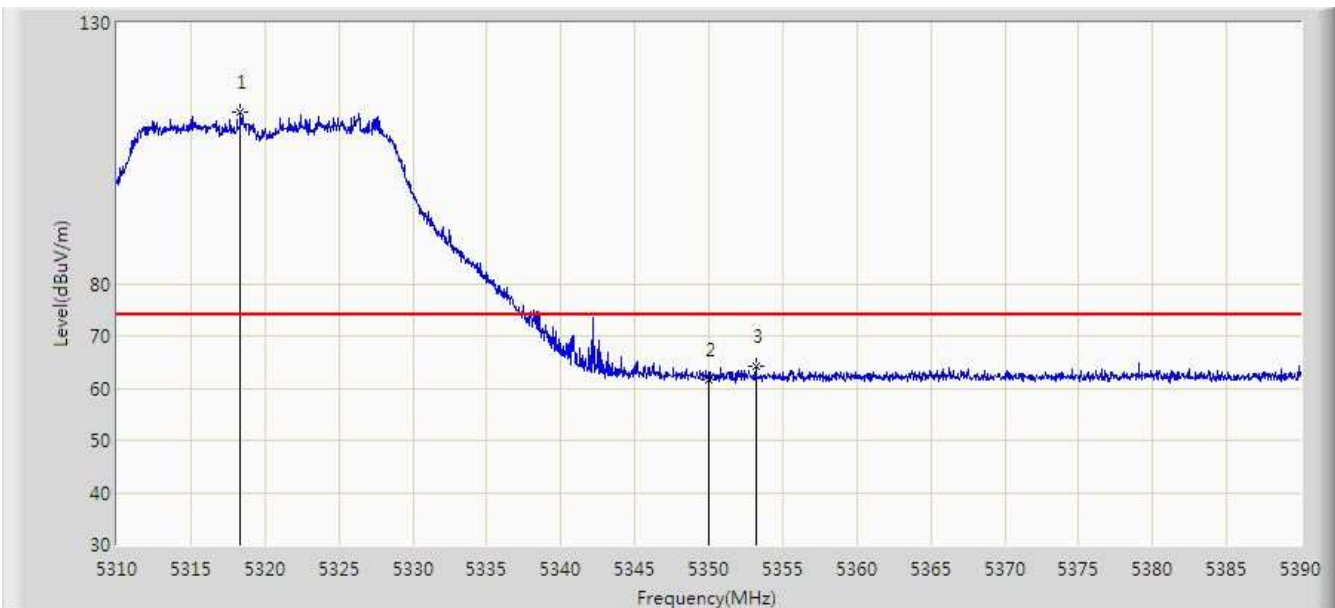


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.400	93.463	89.706	N/A	N/A	3.757	AV
2			5350.000	49.660	45.886	-4.340	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:30
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

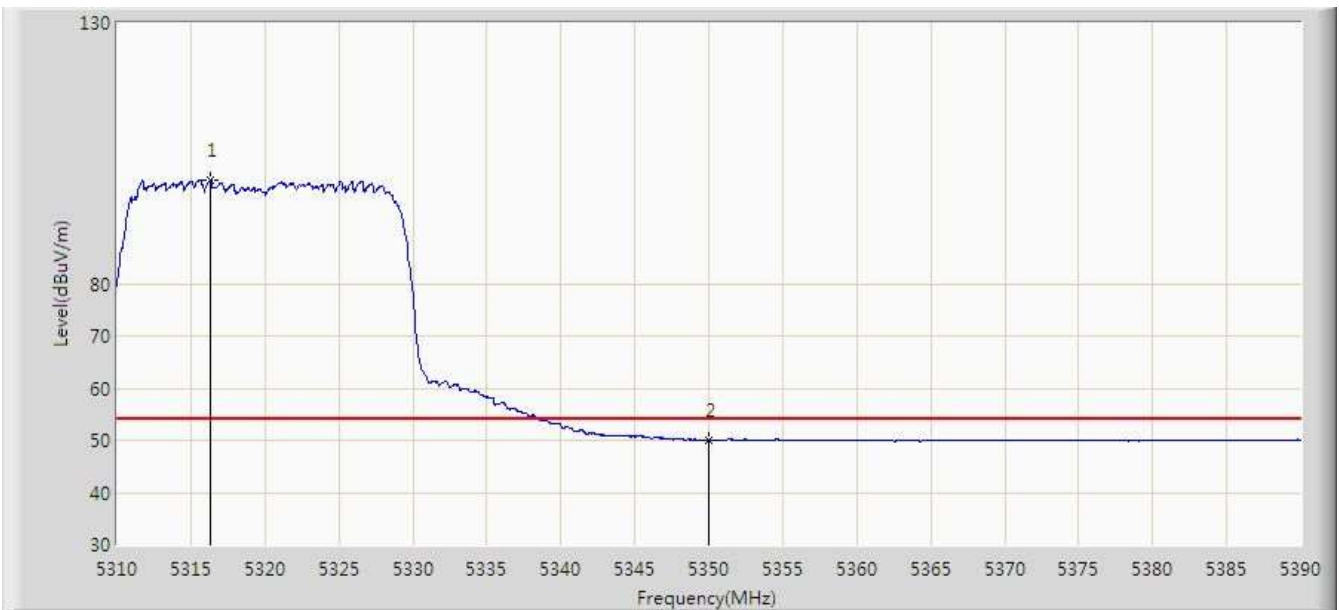


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.360	112.763	109.009	N/A	N/A	3.754	PK
2			5350.000	61.723	57.949	-12.277	74.000	3.774	PK
3			5353.160	64.064	60.288	-9.936	74.000	3.776	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:32
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5320MHz (Beam-Forming Mode)	

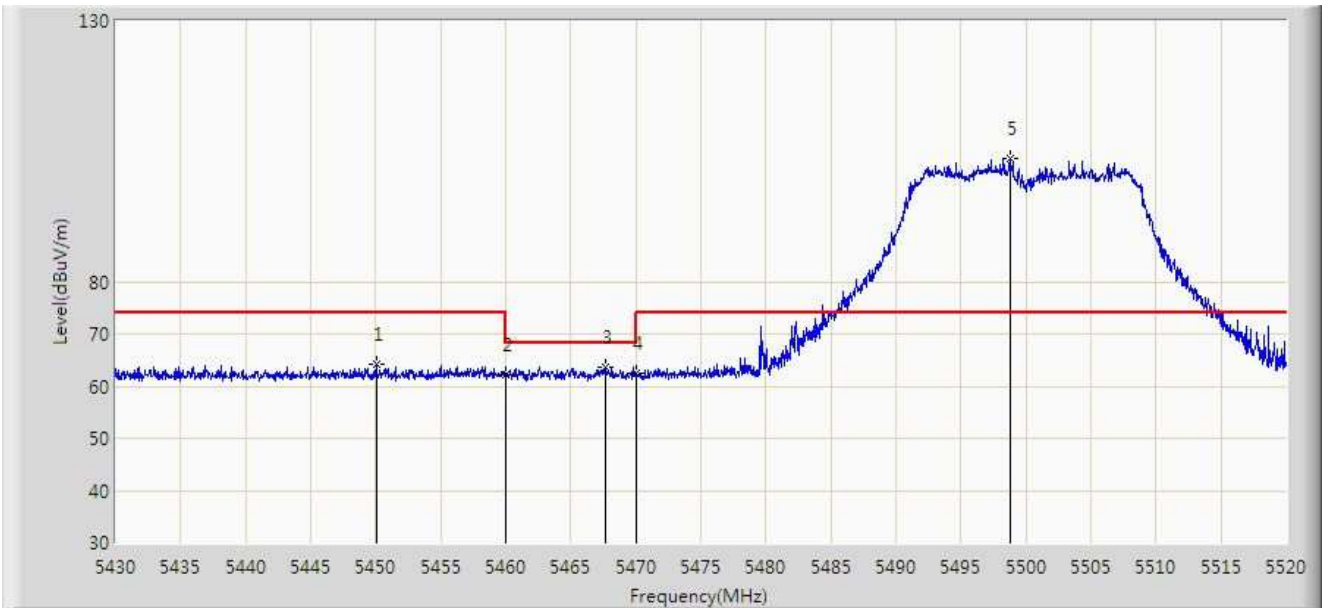


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5316.320	99.777	96.024	N/A	N/A	3.753	AV
2			5350.000	50.017	46.243	-3.983	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:44
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	

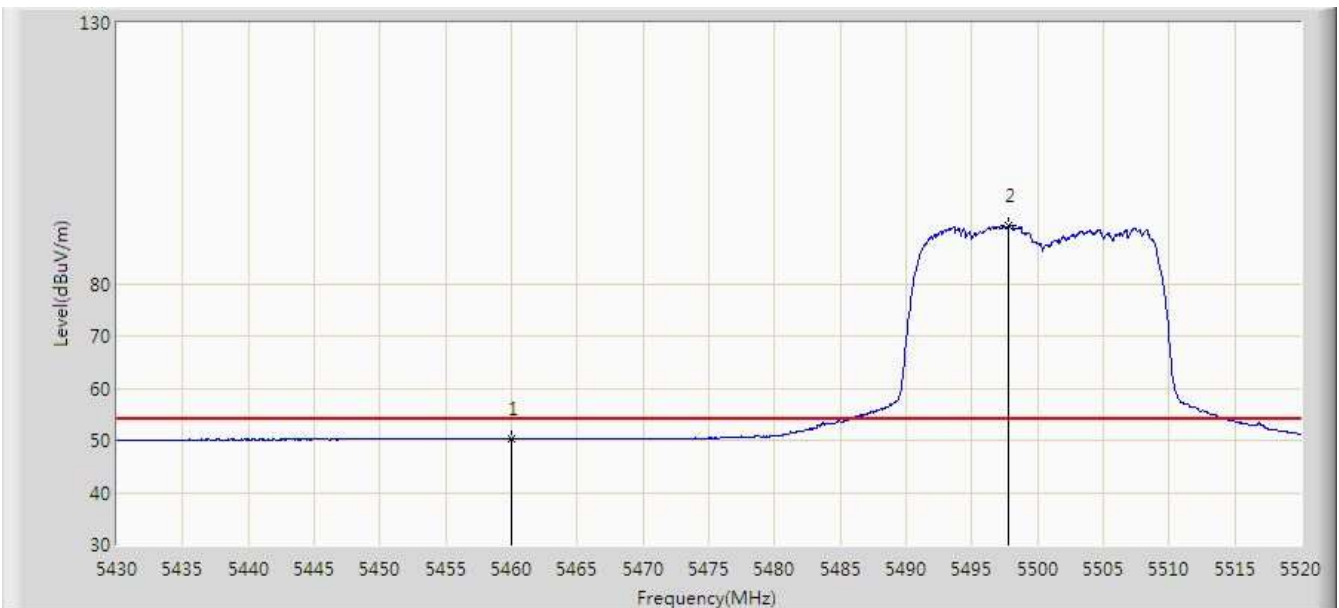


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5450.025	64.135	60.298	-9.865	74.000	3.838	PK
2			5460.000	62.276	58.432	-11.724	74.000	3.844	PK
3			5467.620	63.606	59.757	-4.594	68.200	3.849	PK
4			5470.000	62.418	58.567	-5.782	68.200	3.850	PK
5		*	5498.850	103.742	99.862	N/A	N/A	3.879	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:45
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	

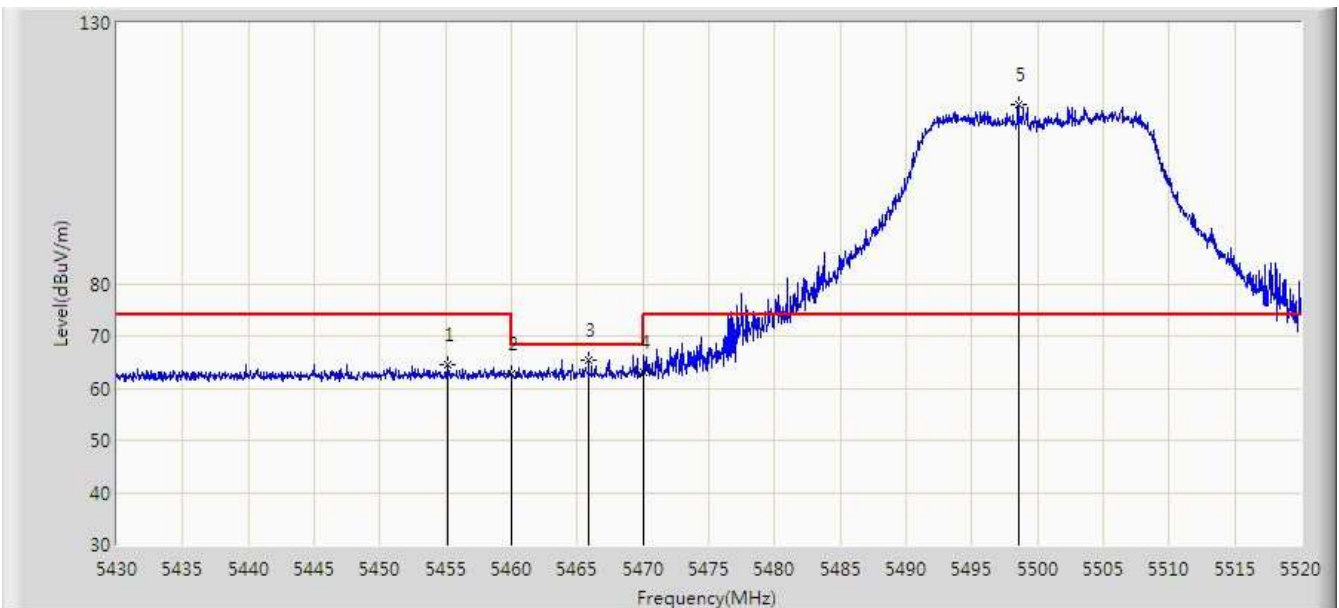


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.246	46.402	-3.754	54.000	3.844	AV
2		*	5497.770	91.027	87.149	N/A	N/A	3.877	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:42
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.200	64.550	60.709	-9.450	74.000	3.841	PK
2			5460.000	62.610	58.766	-11.390	74.000	3.844	PK
3			5465.865	65.411	61.563	-2.789	68.200	3.848	PK
4			5470.000	63.079	59.228	-5.121	68.200	3.850	PK
5		*	5498.535	114.369	110.489	N/A	N/A	3.879	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:43
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5500MHz (Beam-Forming Mode)	

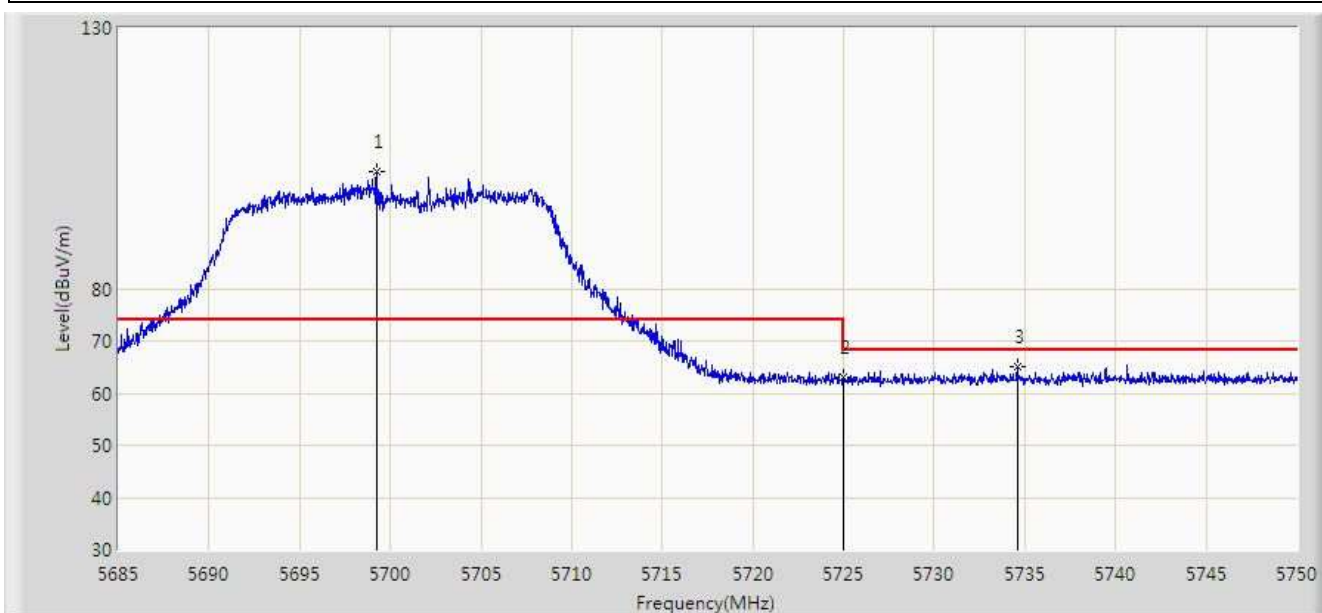


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.606	46.762	-3.394	54.000	3.844	AV
2		*	5504.700	101.921	98.032	N/A	N/A	3.889	AV

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

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

Site: AC1	Time: 2019/10/30 - 20:51
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5700MHz (Beam-Forming Mode)	

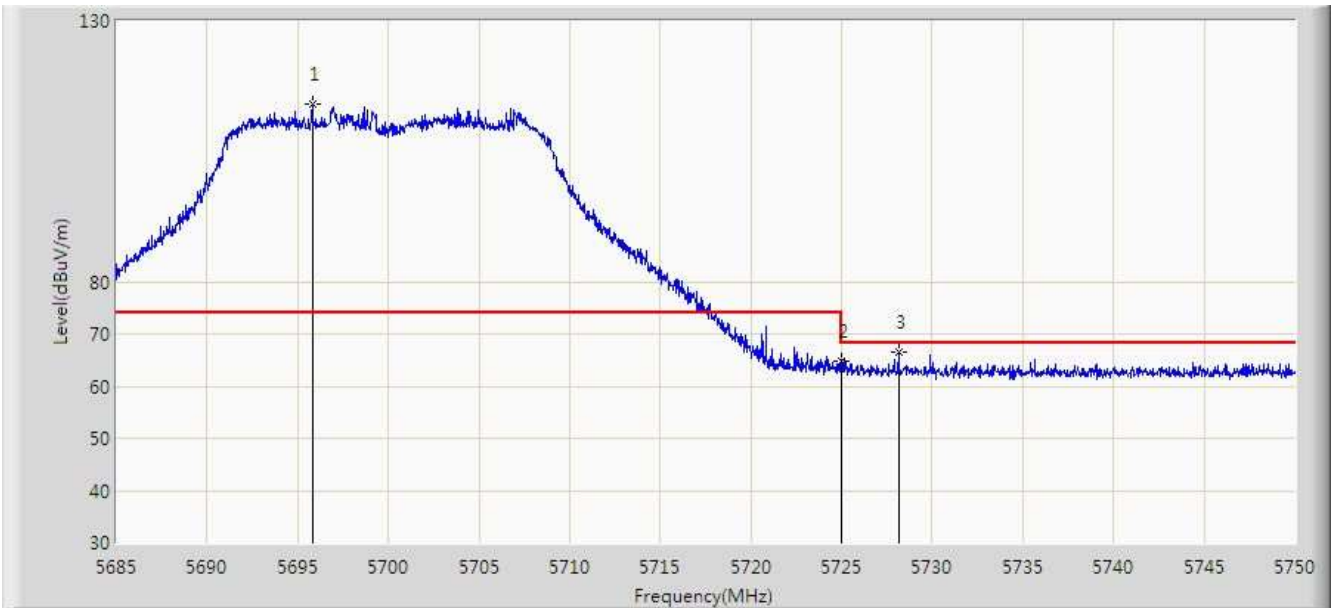


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5699.235	102.562	97.927	N/A	N/A	4.635	PK
2			5725.000	63.029	58.295	-5.171	68.200	4.734	PK
3			5734.595	65.053	60.282	-3.147	68.200	4.771	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:50
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5700MHz (Beam-Forming Mode)	

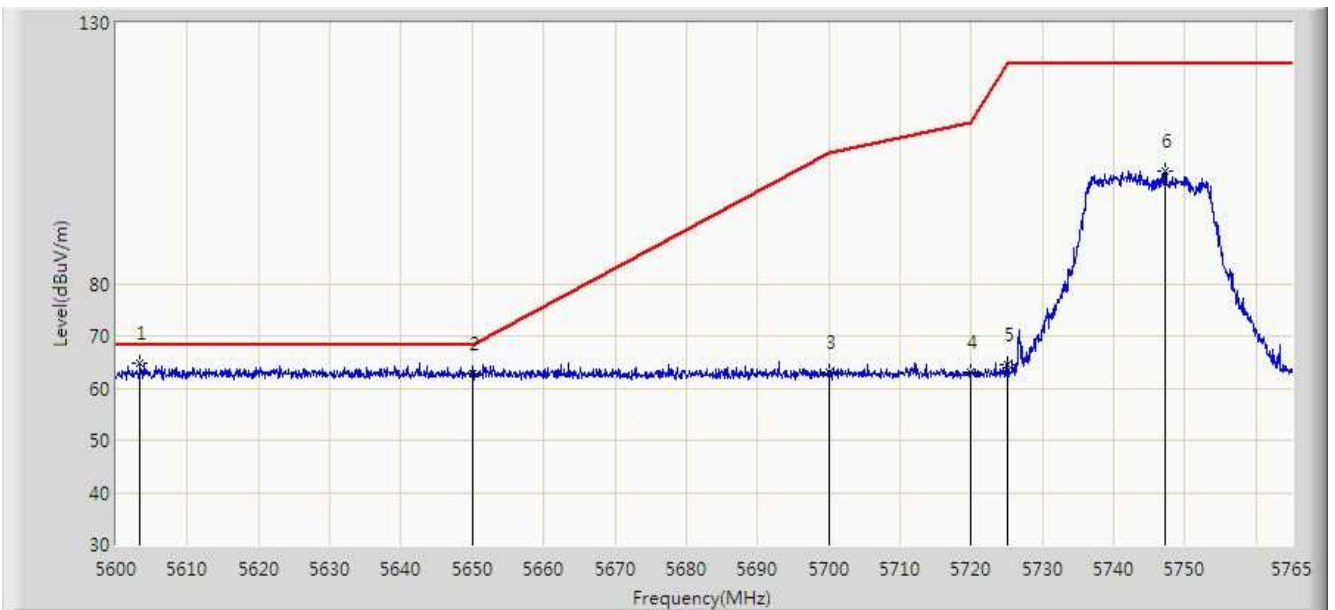


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5695.822	114.077	109.455	N/A	N/A	4.623	PK
2			5725.000	64.768	60.034	-3.432	68.200	4.734	PK
3			5728.160	66.497	61.751	-1.703	68.200	4.746	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:54
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5745MHz (Beam-Forming Mode)	

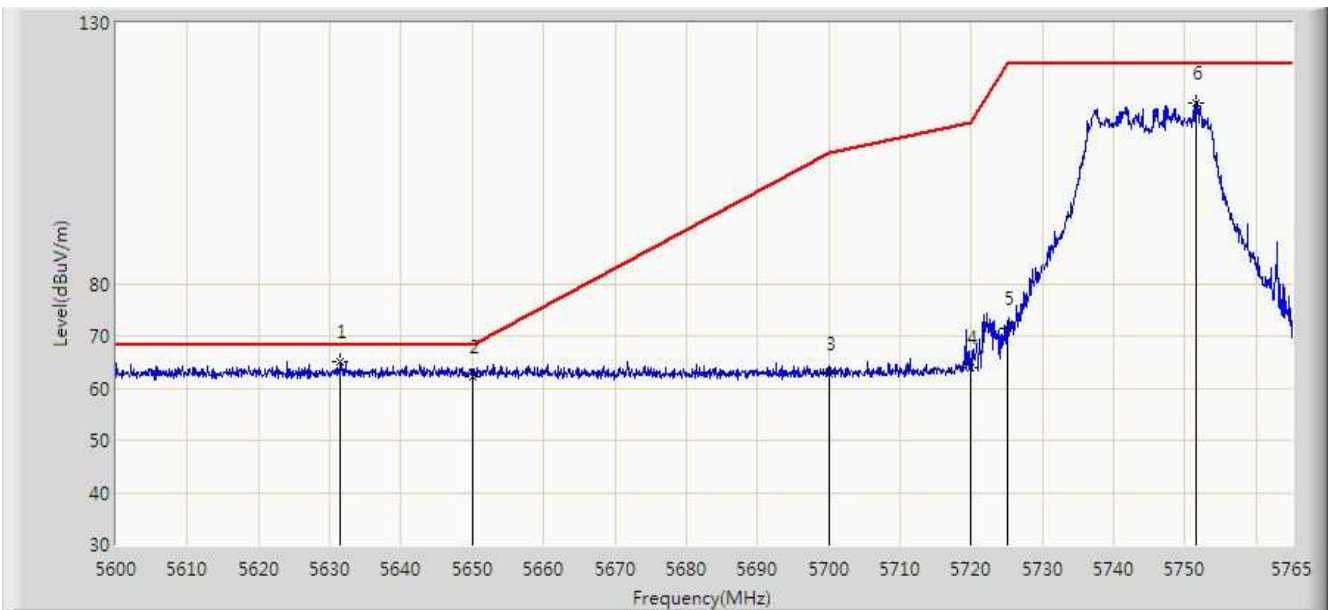


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5603.300	64.652	60.386	-3.548	68.200	4.266	PK
2			5650.000	62.779	58.333	-5.421	68.200	4.446	PK
3			5700.000	63.076	58.438	-42.124	105.200	4.638	PK
4			5720.000	63.164	58.449	-47.636	110.800	4.715	PK
5			5725.000	64.547	59.813	-57.653	122.200	4.734	PK
6			5747.263	101.605	96.786	N/A	N/A	4.819	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:52
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5745MHz (Beam-Forming Mode)	

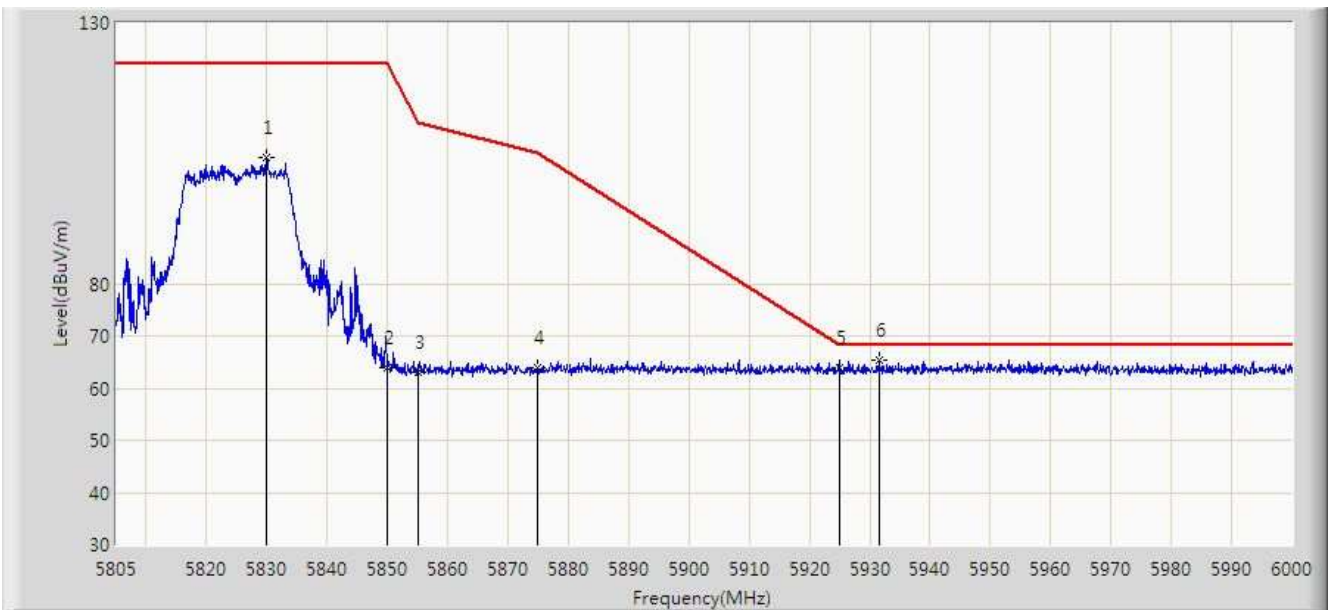


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5631.515	65.126	60.751	-3.074	68.200	4.376	PK
2			5650.000	62.257	57.811	-5.943	68.200	4.446	PK
3			5700.000	62.863	58.225	-42.337	105.200	4.638	PK
4			5720.000	63.857	59.142	-46.943	110.800	4.715	PK
5			5725.000	71.357	66.623	-50.843	122.200	4.734	PK
6			5751.553	114.687	109.851	N/A	N/A	4.836	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:57
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5825MHz (Beam-Forming Mode)	

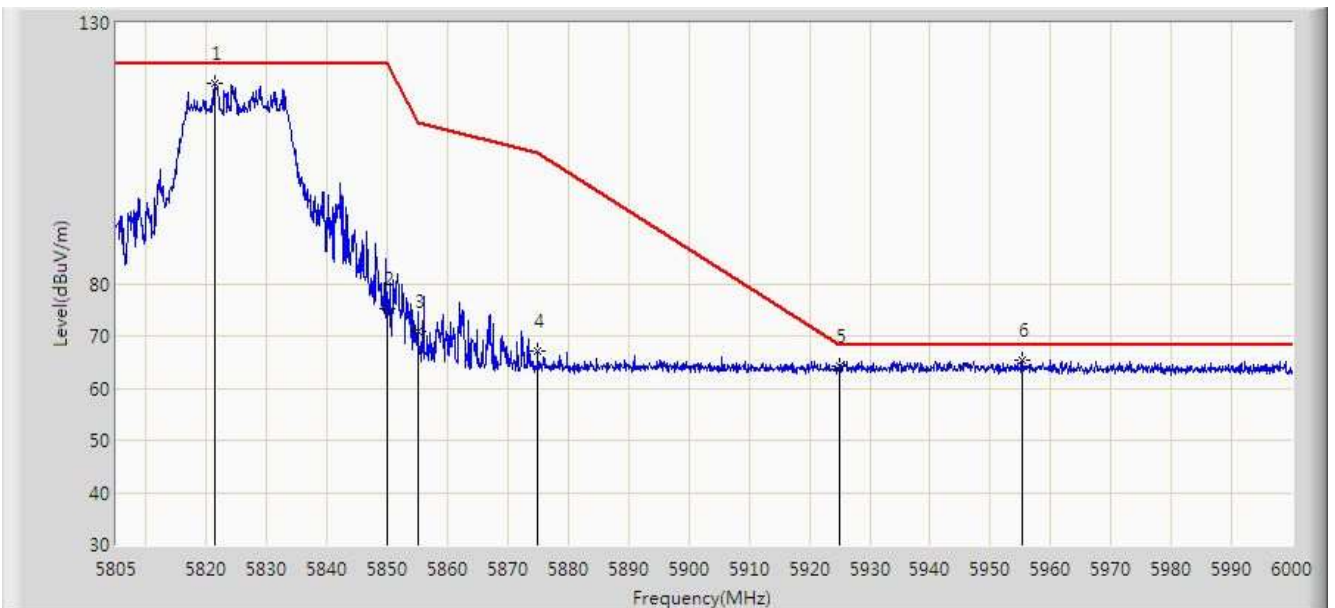


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5829.862	104.144	99.007	N/A	N/A	5.136	PK
2			5850.000	63.821	58.607	-58.379	122.200	5.214	PK
3			5855.000	63.116	57.883	-47.684	110.800	5.233	PK
4			5875.000	63.842	58.532	-41.358	105.200	5.310	PK
5			5925.000	63.825	58.323	-4.375	68.200	5.502	PK
6		*	5931.458	65.232	59.705	-2.968	68.200	5.527	PK

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

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

Site: AC1	Time: 2019/10/30 - 20:56
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT20 at channel 5825MHz (Beam-Forming Mode)	

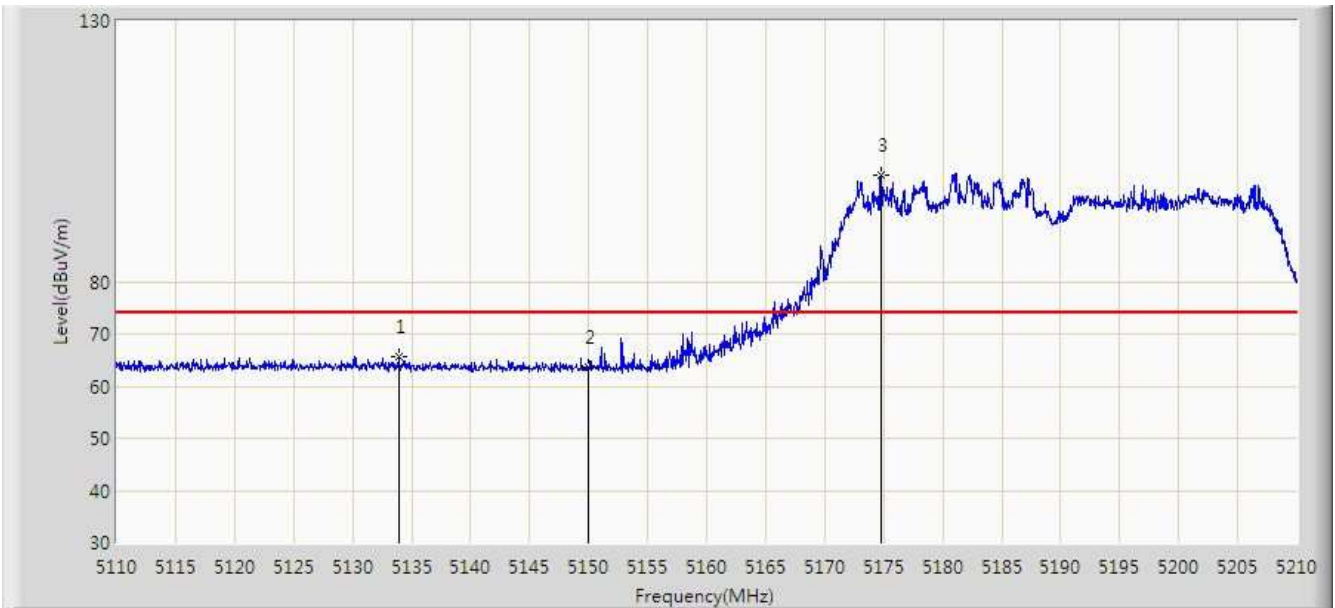


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.380	118.362	113.258	N/A	N/A	5.104	PK
2			5850.000	75.227	70.013	-46.973	122.200	5.214	PK
3			5855.000	70.887	65.654	-39.913	110.800	5.233	PK
4			5875.000	67.005	61.695	-38.195	105.200	5.310	PK
5			5925.000	64.164	58.662	-4.036	68.200	5.502	PK
6		*	5955.248	65.307	59.689	-2.893	68.200	5.619	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:05
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

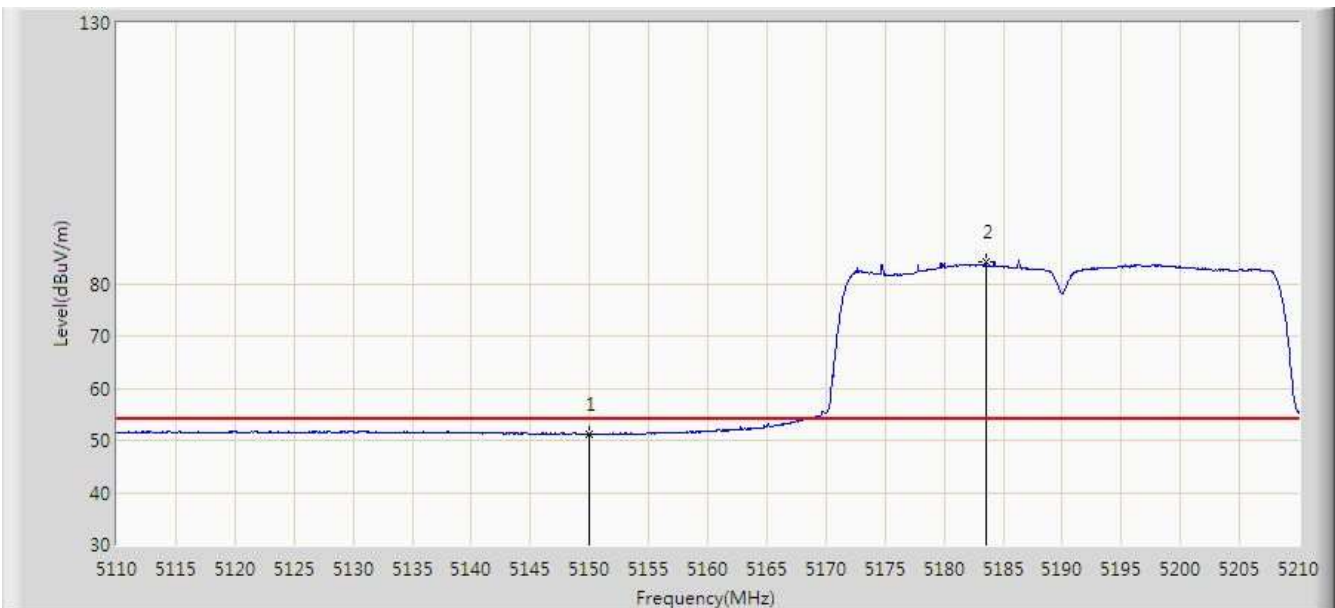


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5133.900	65.532	61.896	-8.468	74.000	3.636	PK
2			5150.000	63.492	59.846	-10.508	74.000	3.646	PK
3		*	5174.800	100.422	96.760	N/A	N/A	3.662	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:06
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

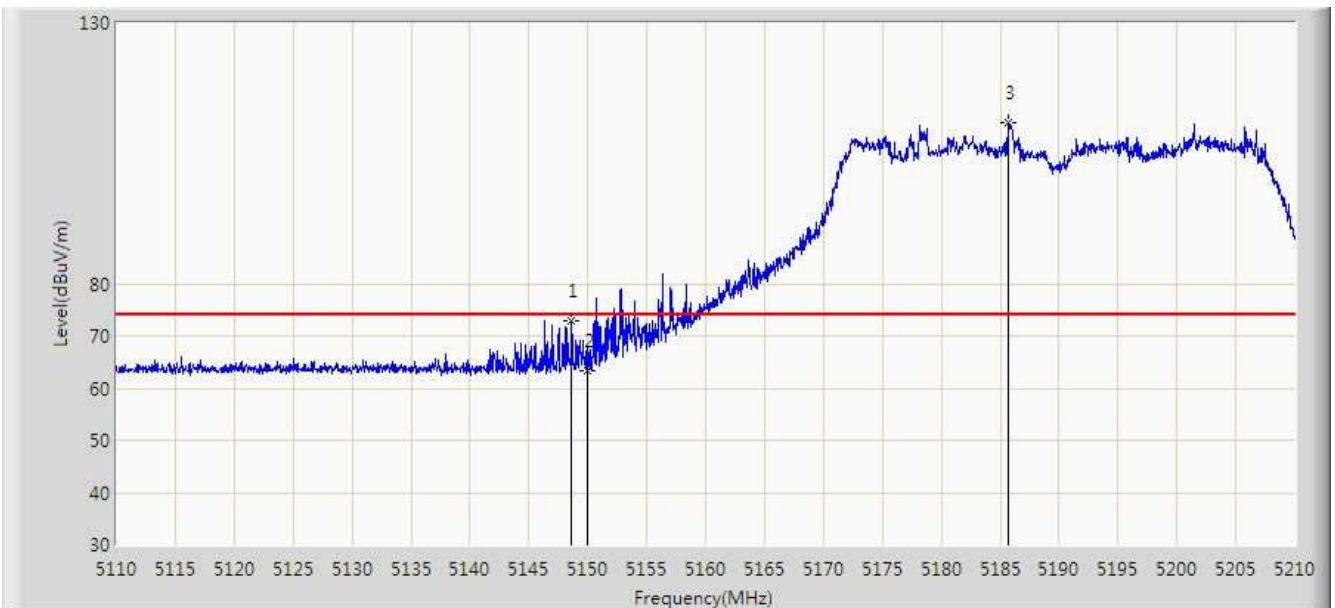


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.275	47.629	-2.725	54.000	3.646	AV
2		*	5183.550	84.264	80.597	N/A	N/A	3.668	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:02
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

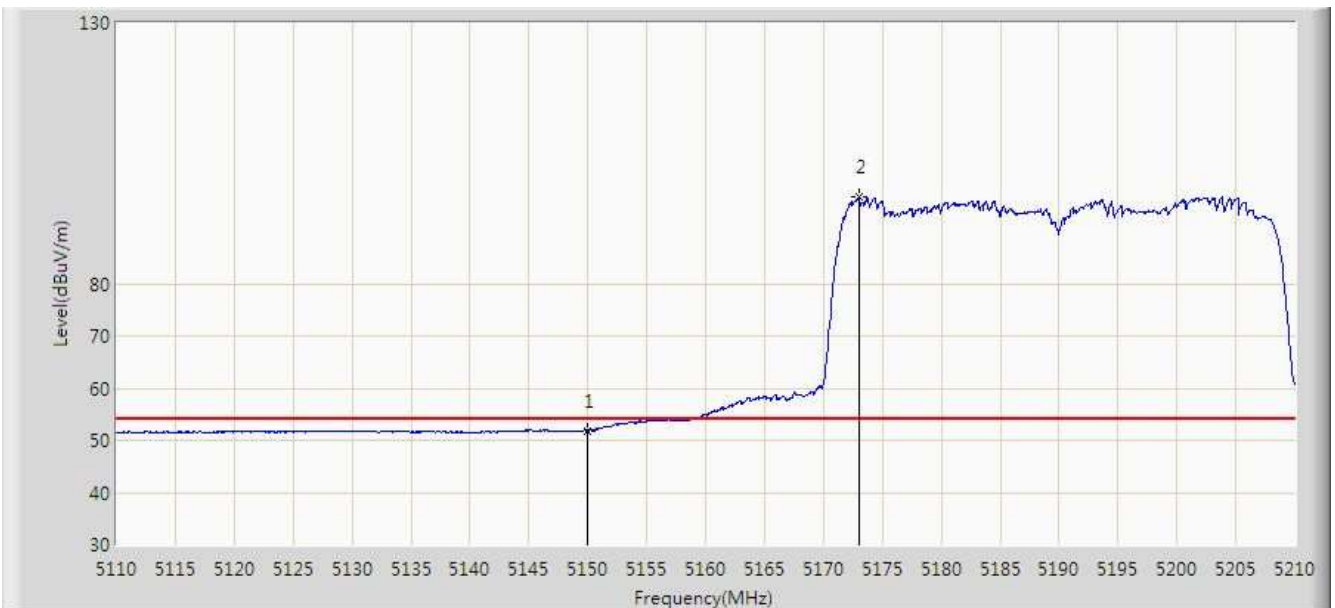


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.650	72.892	69.247	-1.108	74.000	3.645	PK
2			5150.000	63.286	59.640	-10.714	74.000	3.646	PK
3		*	5185.750	110.998	107.329	N/A	N/A	3.668	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:04
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5190MHz (Beam-Forming Mode)	

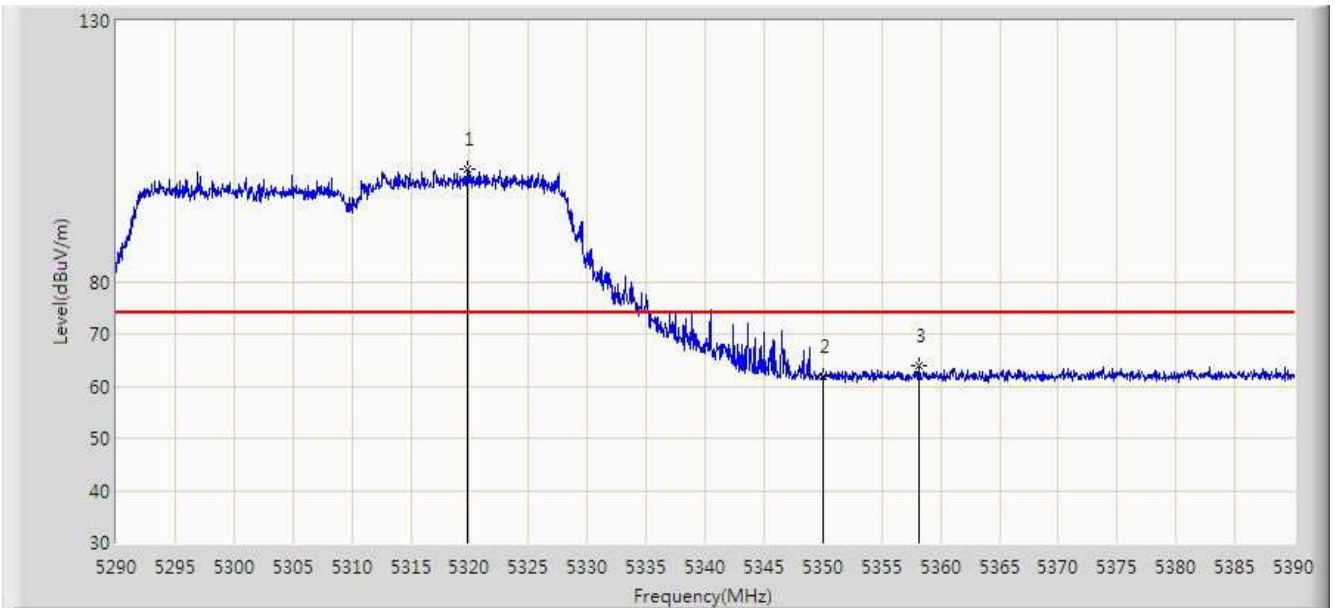


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.825	48.179	-2.175	54.000	3.646	AV
2		*	5173.050	96.651	92.991	N/A	N/A	3.660	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:28
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

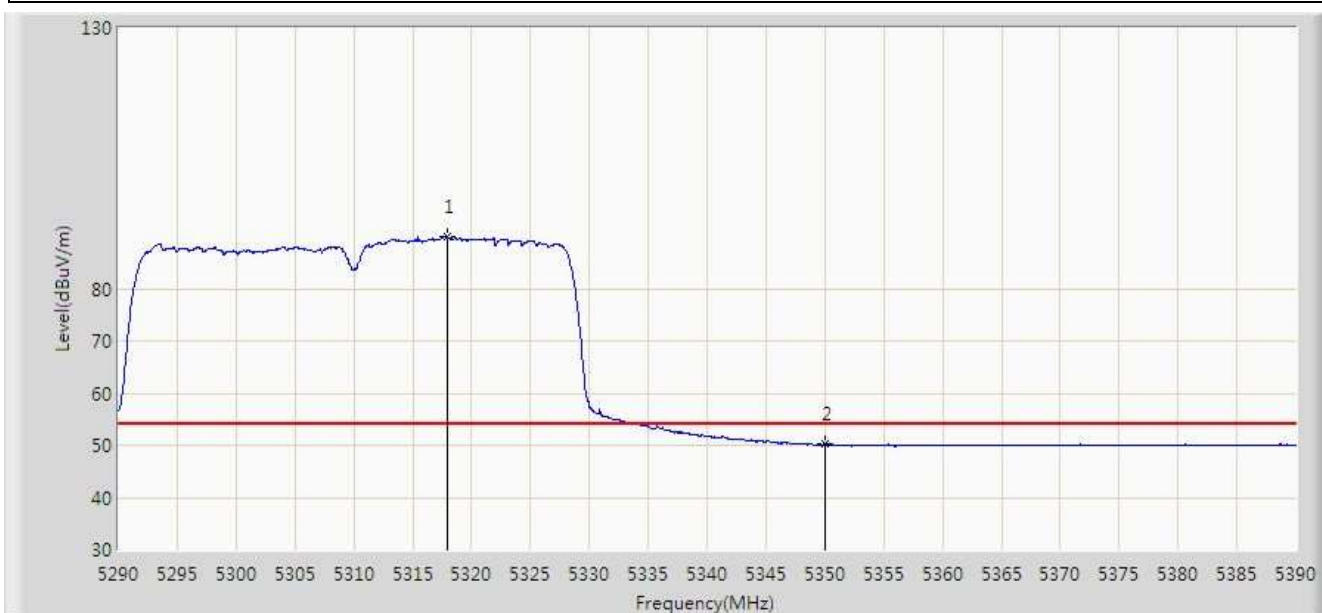


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.800	101.514	97.759	N/A	N/A	3.756	PK
2			5350.000	61.968	58.194	-12.032	74.000	3.774	PK
3			5358.150	63.876	60.097	-10.124	74.000	3.779	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:29
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

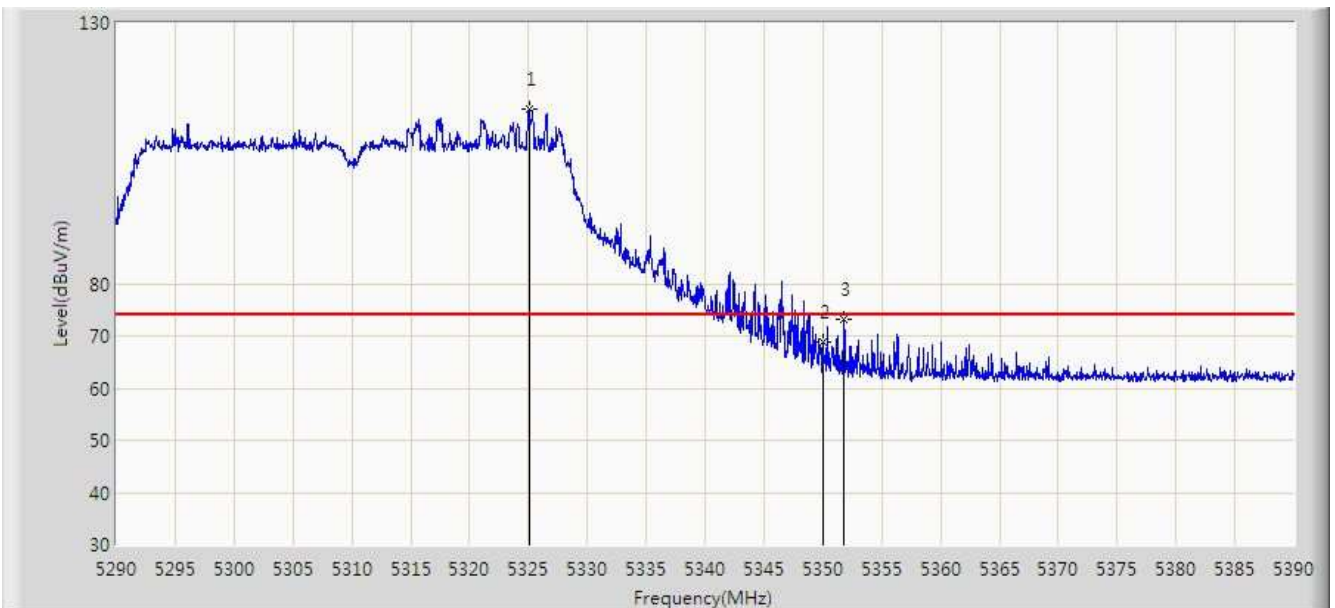


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.950	89.968	86.214	N/A	N/A	3.754	AV
2			5350.000	50.182	46.408	-3.818	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:26
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

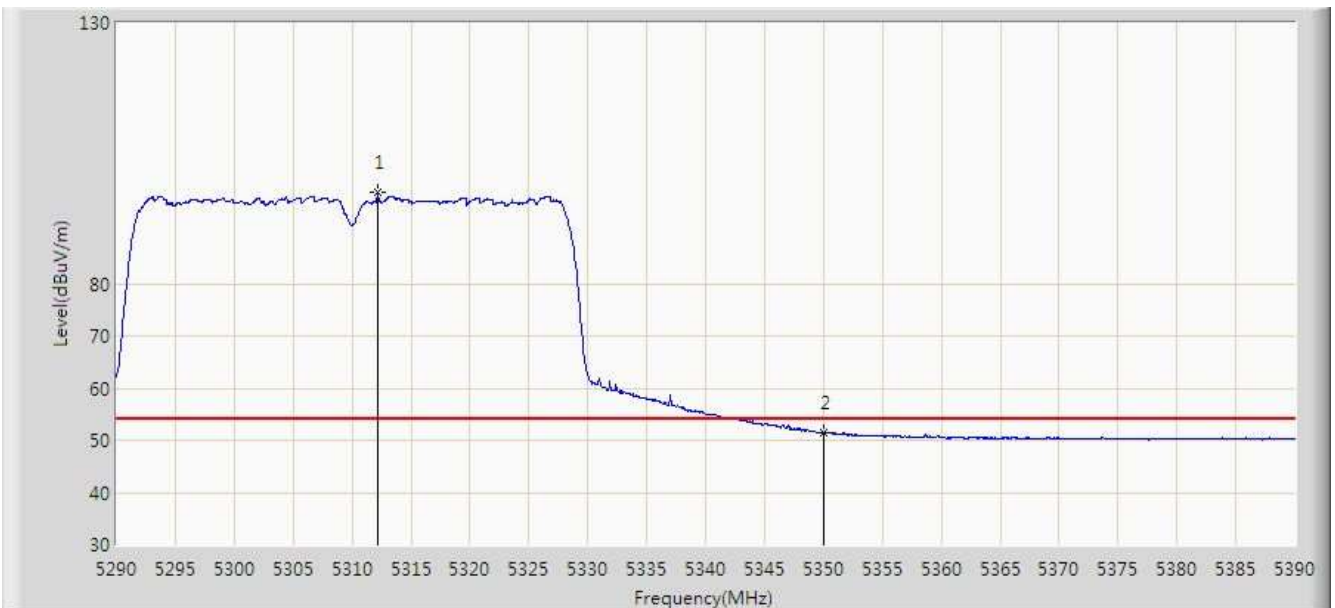


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.100	113.450	109.691	N/A	N/A	3.758	PK
2			5350.000	68.854	65.080	-5.146	74.000	3.774	PK
3			5351.800	73.255	69.480	-0.745	74.000	3.775	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:28
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5310MHz (Beam-Forming Mode)	

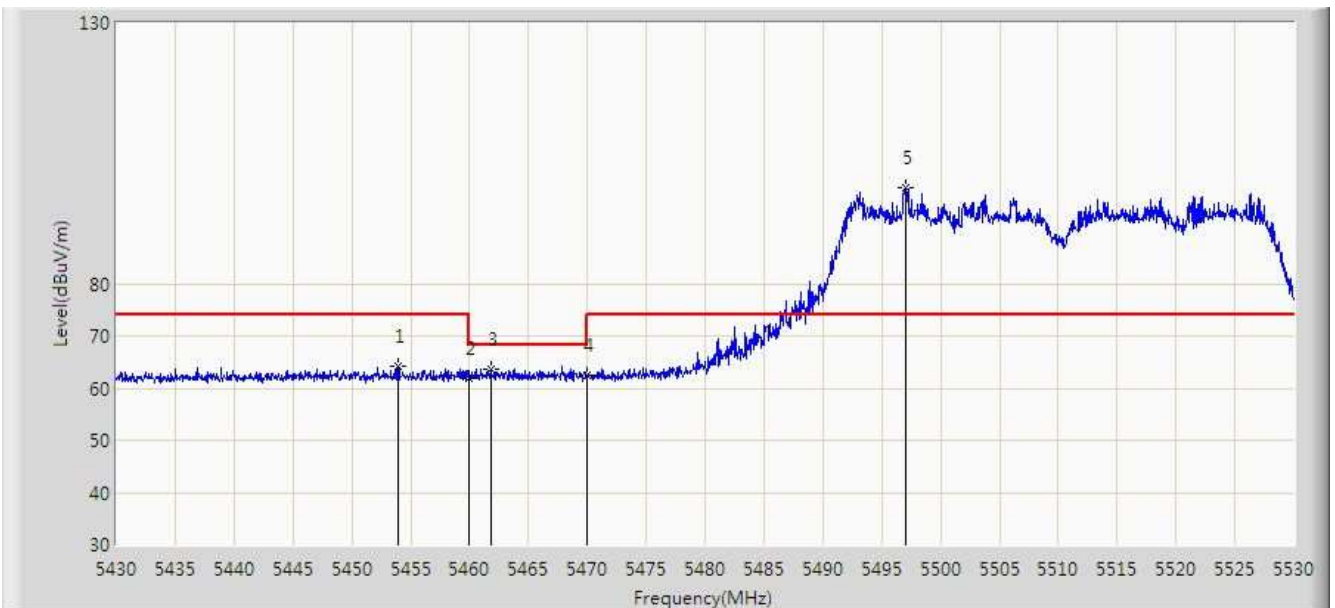


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5312.200	97.603	93.853	N/A	N/A	3.750	AV
2			5350.000	51.432	47.658	-2.568	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:08
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

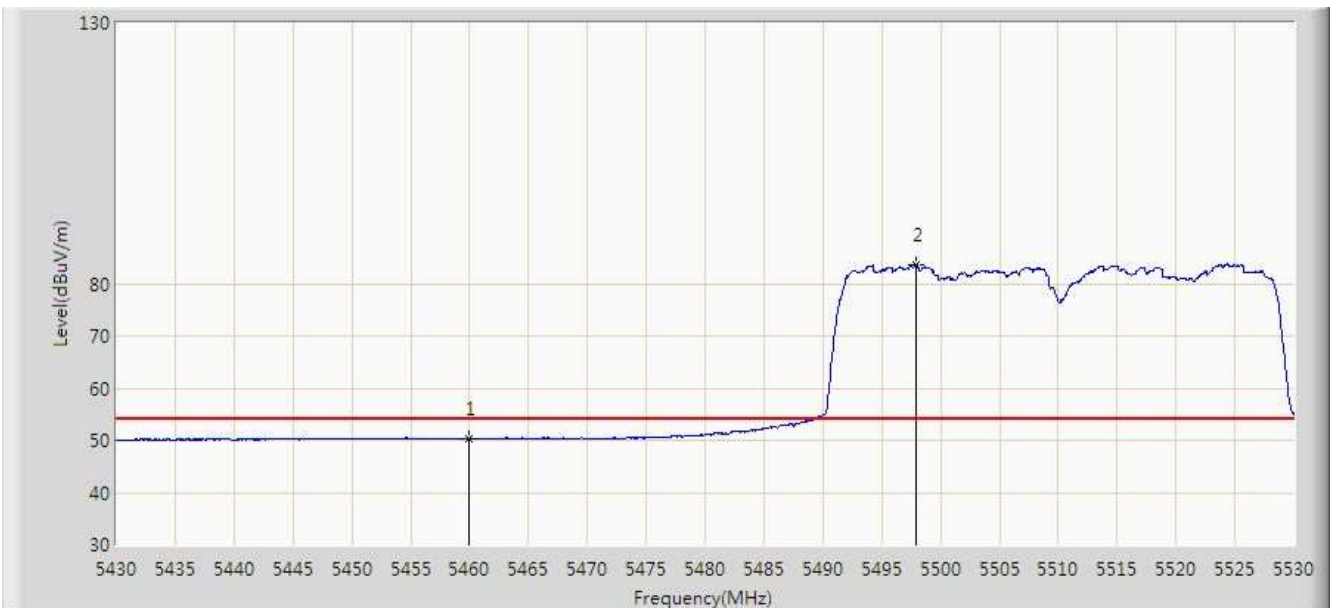


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5453.900	64.086	60.246	-9.914	74.000	3.840	PK
2			5460.000	62.019	58.175	-11.981	74.000	3.844	PK
3			5461.800	63.714	59.869	-4.486	68.200	3.845	PK
4			5470.000	62.353	58.502	-5.847	68.200	3.850	PK
5		*	5497.000	98.415	94.538	N/A	N/A	3.877	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:09
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

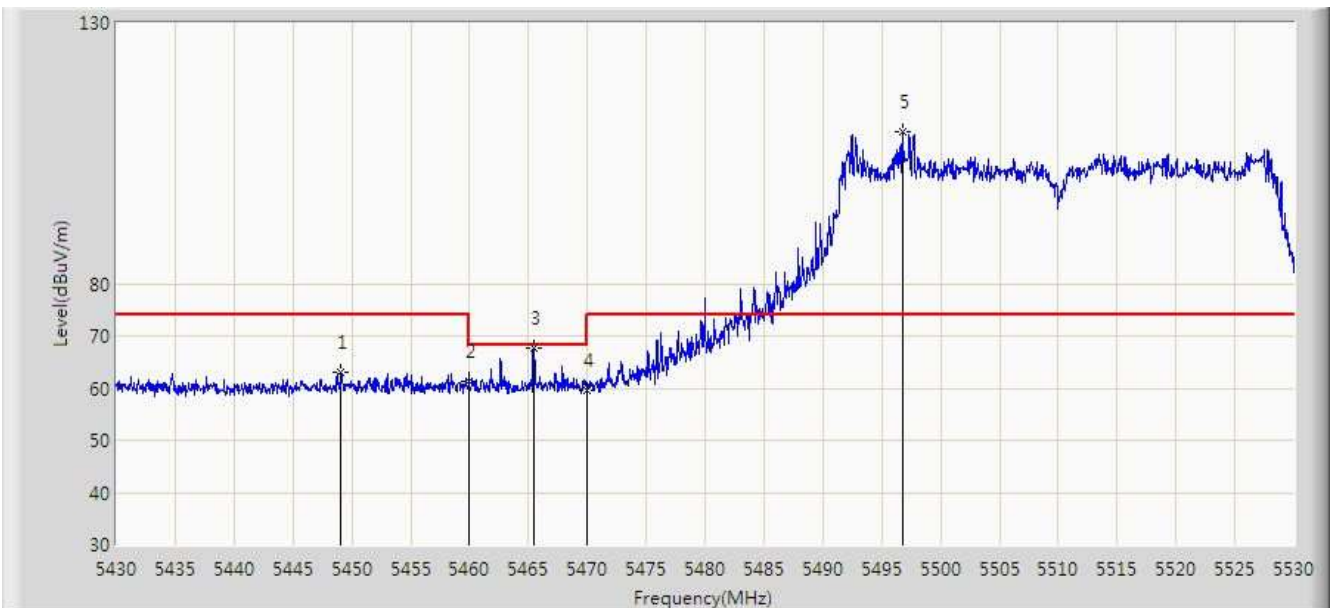


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.313	46.469	-3.687	54.000	3.844	AV
2		*	5497.900	83.580	79.701	N/A	N/A	3.879	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:06
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

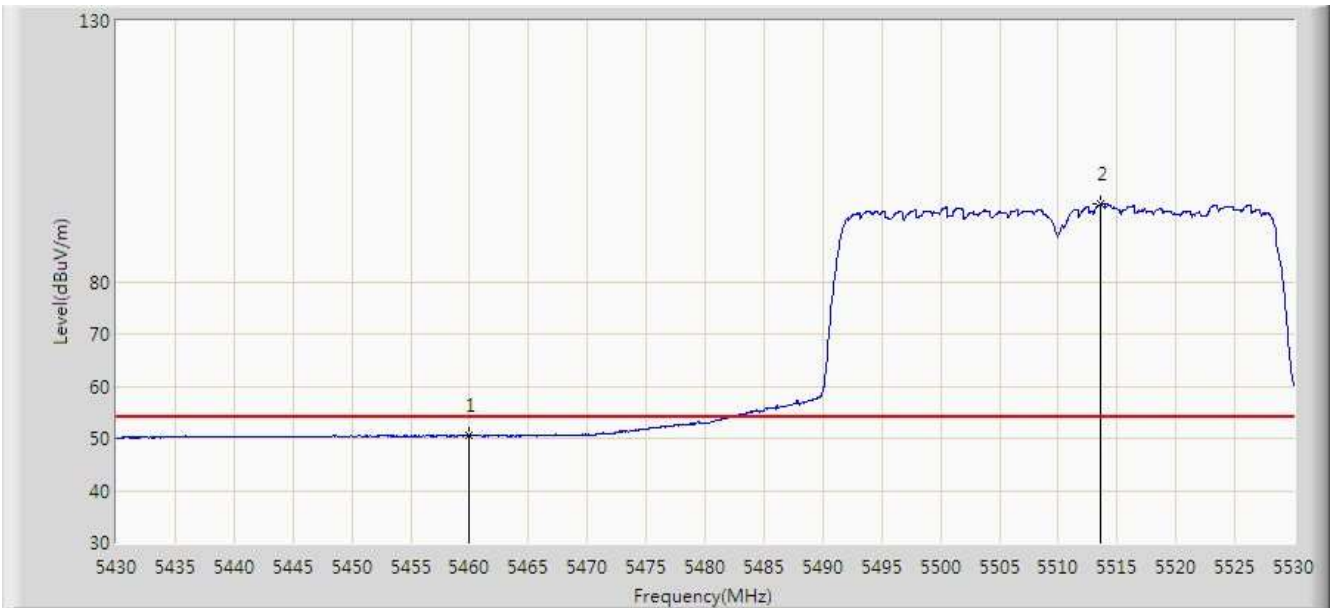


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5449.100	63.171	59.334	-10.829	74.000	3.837	PK
2			5460.000	61.352	57.508	-12.648	74.000	3.844	PK
3			5465.450	67.603	63.755	-0.597	68.200	3.848	PK
4			5470.000	59.696	55.845	-8.504	68.200	3.850	PK
5		*	5496.750	109.202	105.325	N/A	N/A	3.877	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:08
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5510MHz (Beam-Forming Mode)	

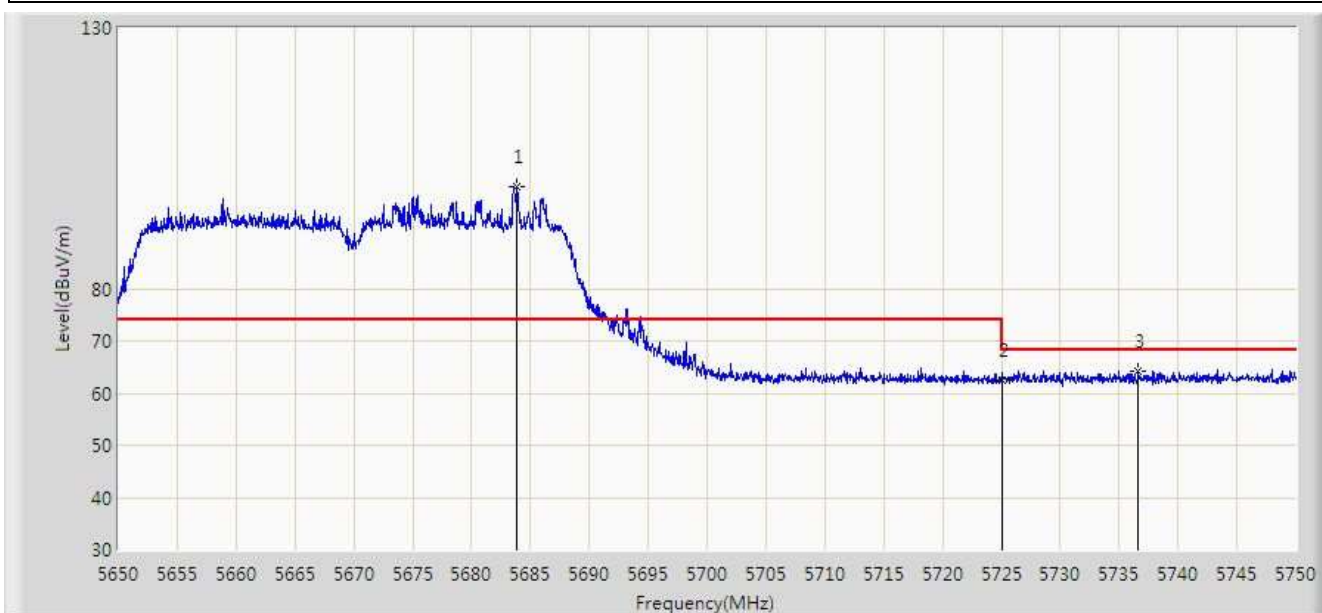


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.472	46.628	-3.528	54.000	3.844	AV
2		*	5513.600	94.859	90.937	N/A	N/A	3.923	AV

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

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

Site: AC1	Time: 2019/10/30 - 21:56
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5670MHz (Beam-Forming Mode)	

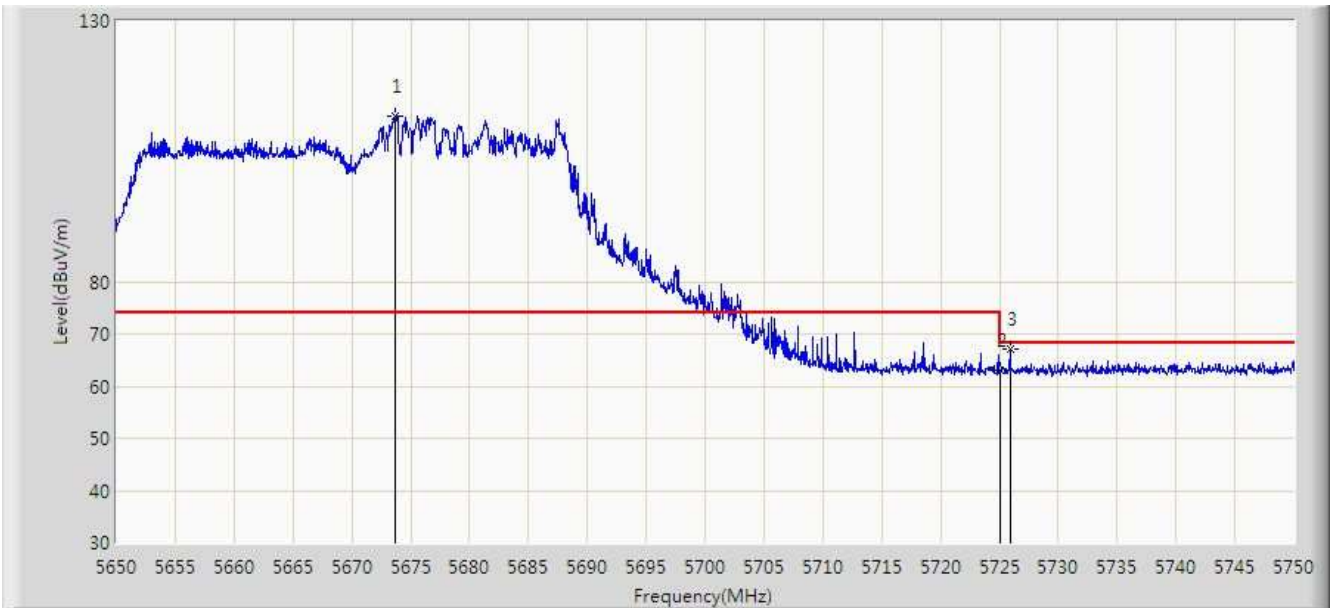


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5683.800	99.524	94.948	N/A	N/A	4.575	PK
2			5725.000	62.438	57.704	-5.762	68.200	4.734	PK
3			5736.650	64.325	59.547	-3.875	68.200	4.779	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:55
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5670MHz (Beam-Forming Mode)	

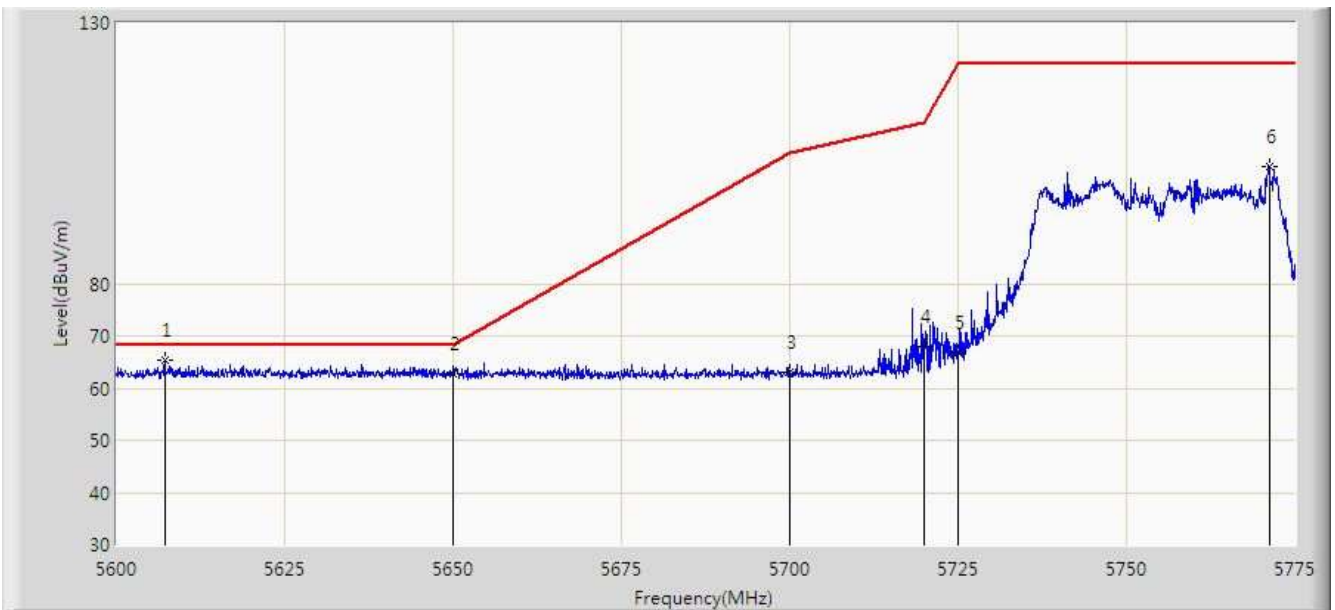


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5673.700	111.842	107.305	N/A	N/A	4.537	PK
2			5725.000	63.093	58.359	-5.107	68.200	4.734	PK
3			5725.900	67.080	62.343	-1.120	68.200	4.738	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:00
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5775MHz (Beam-Forming Mode)	

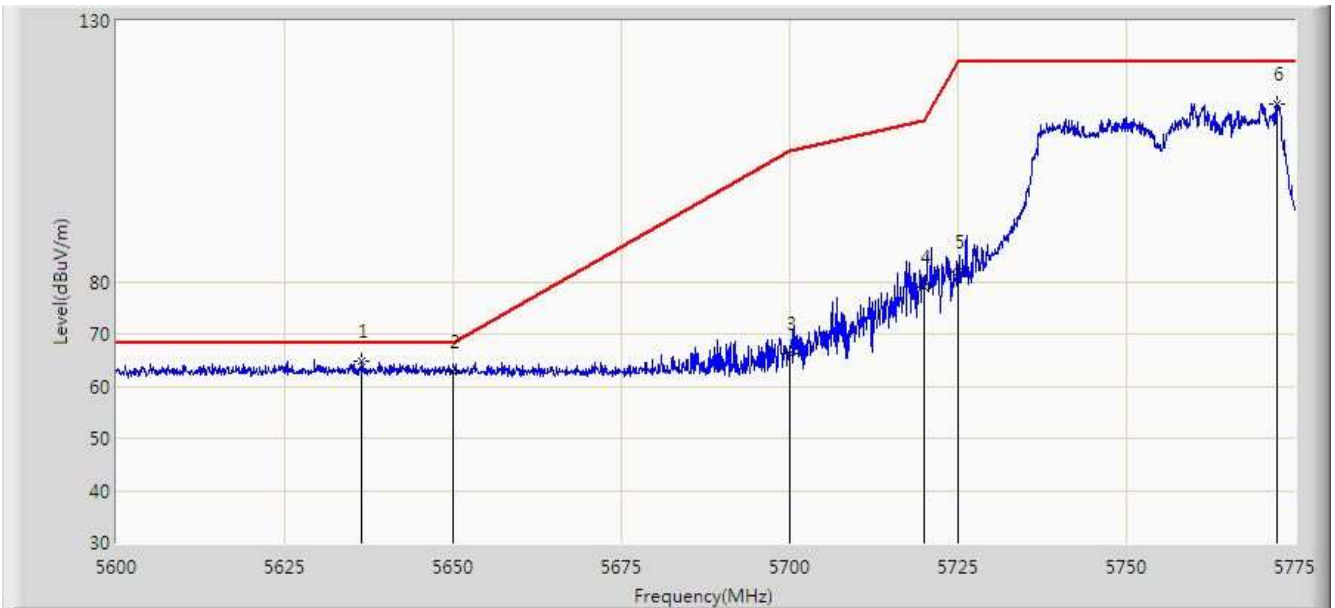


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5607.175	65.439	61.158	-2.761	68.200	4.281	PK
2			5650.000	62.856	58.410	-5.344	68.200	4.446	PK
3			5700.000	63.058	58.420	-42.142	105.200	4.638	PK
4			5720.000	67.920	63.205	-42.880	110.800	4.715	PK
5			5725.000	66.907	62.173	-55.293	122.200	4.734	PK
6			5771.237	102.581	97.669	N/A	N/A	4.911	PK

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

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

Site: AC1	Time: 2019/10/30 - 21:58
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5775MHz (Beam-Forming Mode)	

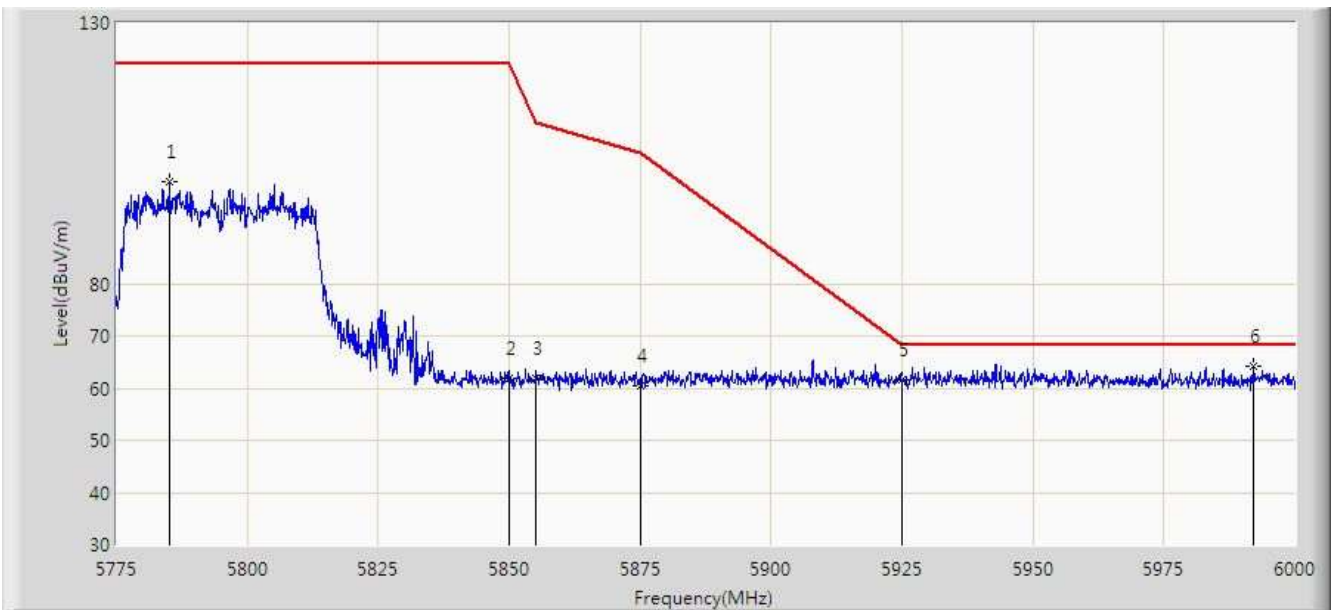


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5636.487	64.840	60.445	-3.360	68.200	4.395	PK
2			5650.000	62.640	58.194	-5.560	68.200	4.446	PK
3			5700.000	66.239	61.601	-38.961	105.200	4.638	PK
4			5720.000	78.950	74.235	-31.850	110.800	4.715	PK
5			5725.000	81.946	77.212	-40.254	122.200	4.734	PK
6			5772.288	114.133	109.217	N/A	N/A	4.915	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:02
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5795MHz (Beam-Forming Mode)	

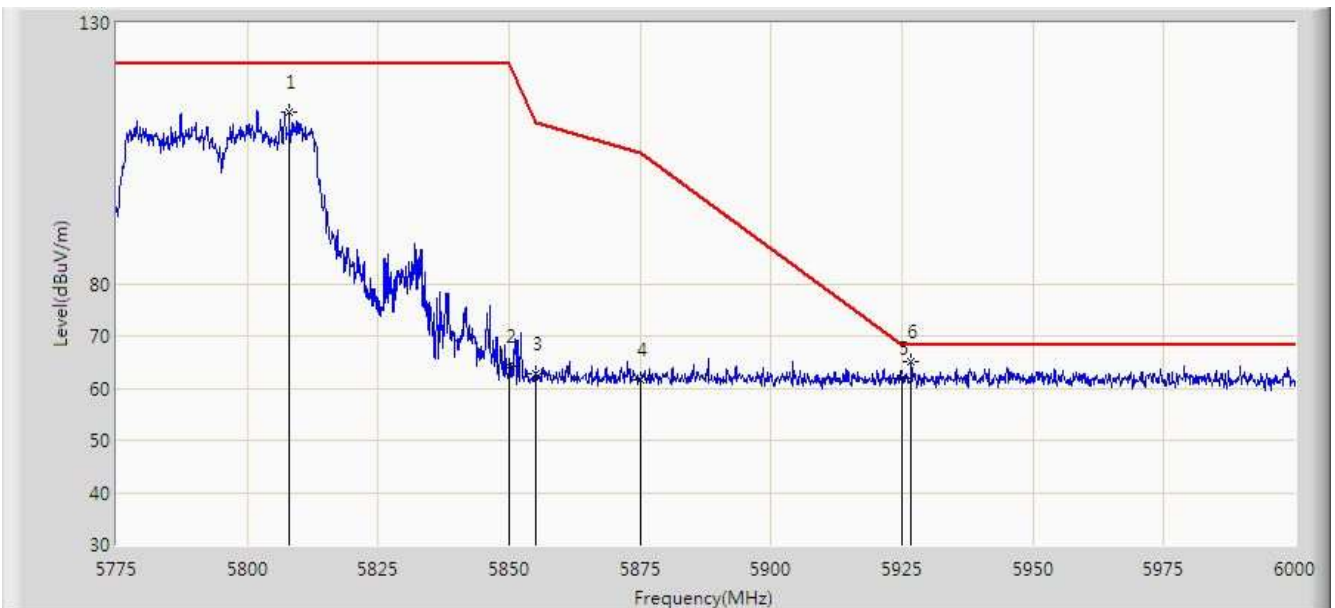


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5785.013	99.461	94.496	N/A	N/A	4.965	PK
2			5850.000	61.865	56.651	-60.335	122.200	5.214	PK
3			5855.000	61.775	56.542	-49.025	110.800	5.233	PK
4			5875.000	60.367	55.057	-44.833	105.200	5.310	PK
5			5925.000	61.561	56.059	-6.639	68.200	5.502	PK
6		*	5992.237	64.339	58.579	-3.861	68.200	5.761	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:04
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT40 at channel 5795MHz (Beam-Forming Mode)	

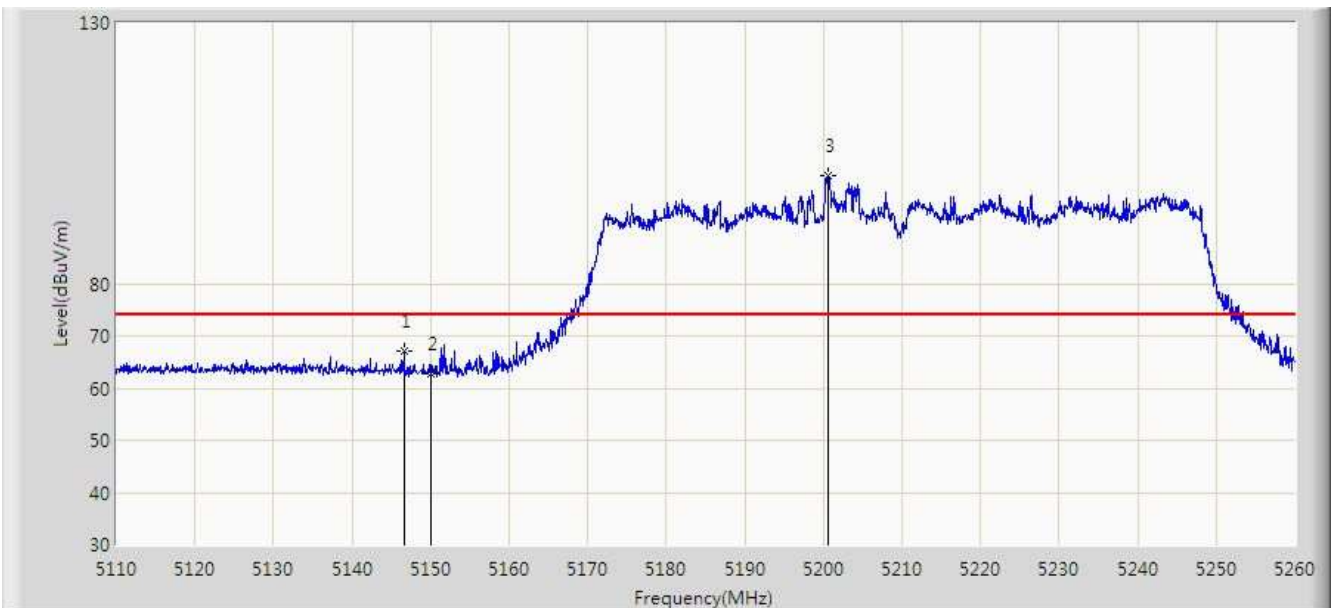


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5807.962	112.822	107.769	N/A	N/A	5.052	PK
2			5850.000	64.343	59.129	-57.857	122.200	5.214	PK
3			5855.000	62.870	57.637	-47.930	110.800	5.233	PK
4			5875.000	61.645	56.335	-43.555	105.200	5.310	PK
5			5925.000	61.868	56.366	-6.332	68.200	5.502	PK
6		*	5926.763	65.059	59.550	-3.141	68.200	5.508	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:17
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.600	67.128	63.484	-6.872	74.000	3.644	PK
2			5150.000	62.711	59.065	-11.289	74.000	3.646	PK
3		*	5200.675	100.584	96.905	N/A	N/A	3.679	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:18
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

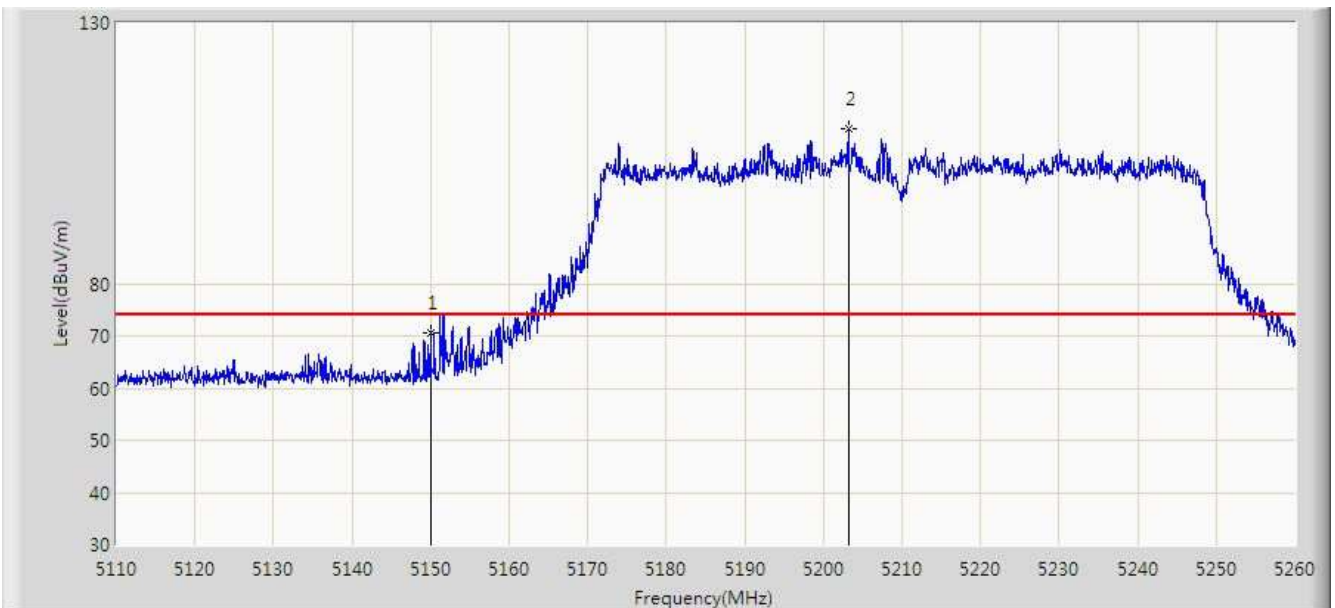


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.284	47.638	-2.716	54.000	3.646	AV
2		*	5242.525	86.998	83.292	N/A	N/A	3.706	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:15
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

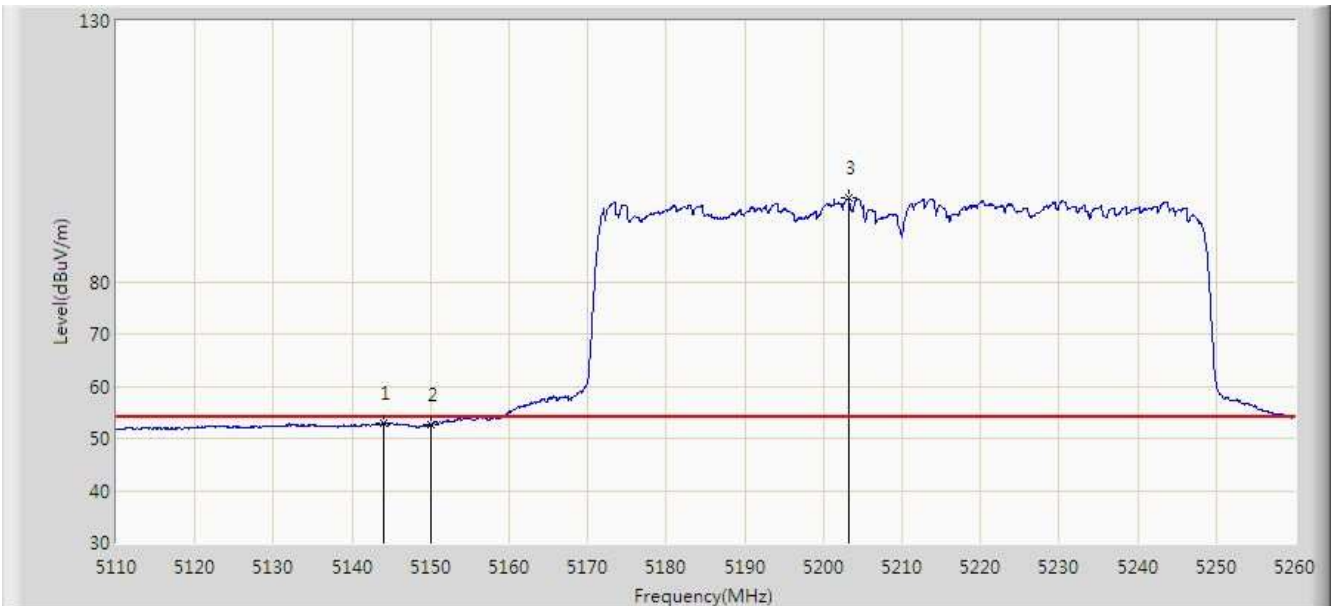


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	70.706	67.060	-3.294	74.000	3.646	PK
2		*	5203.150	109.740	106.060	N/A	N/A	3.681	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:16
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5210MHz (Beam-Forming Mode)	

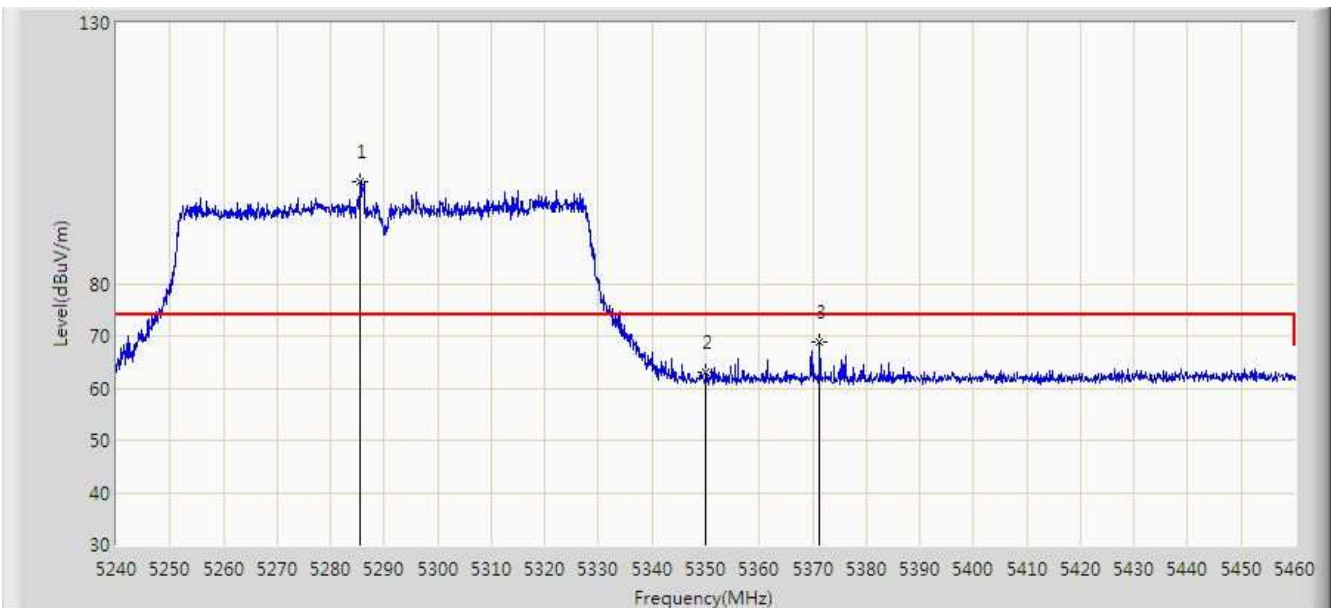


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5143.975	52.873	49.231	-1.127	54.000	3.643	AV
2			5150.000	52.600	48.954	-1.400	54.000	3.646	AV
3		*	5203.300	96.058	92.378	N/A	N/A	3.680	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:23
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	

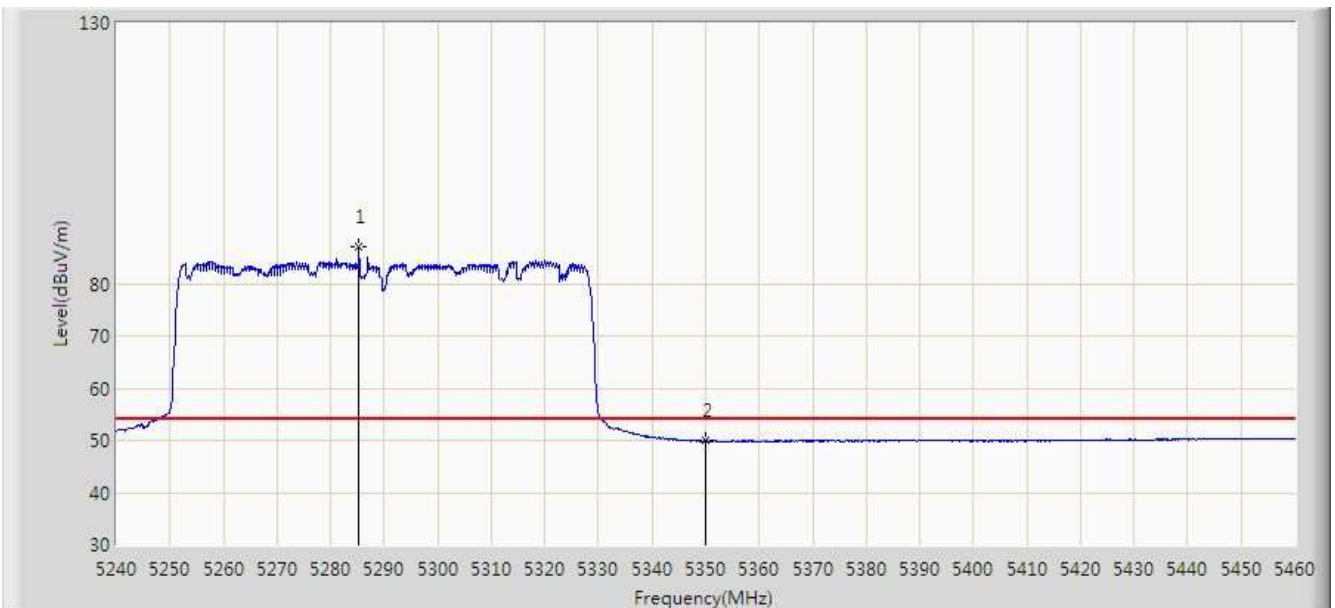


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5285.540	99.430	95.698	N/A	N/A	3.733	PK
2			5350.000	62.947	59.173	-11.053	74.000	3.774	PK
3			5371.340	68.767	64.979	-5.233	74.000	3.788	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:24
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	

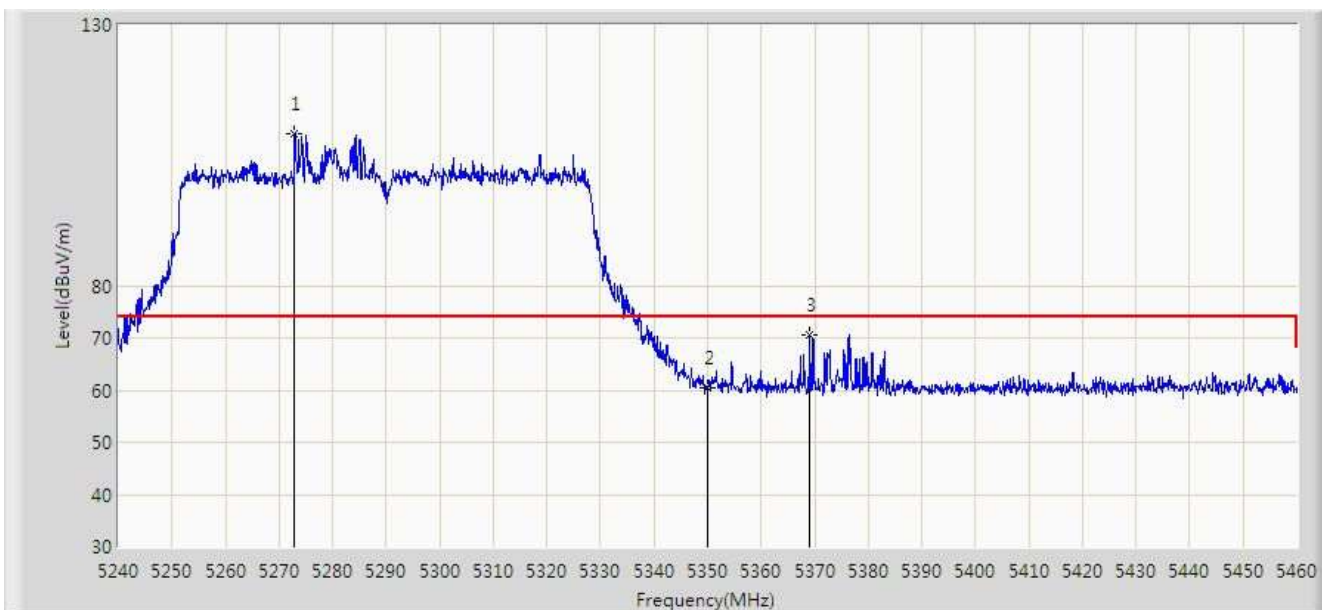


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5285.320	86.972	83.240	N/A	N/A	3.732	AV
2			5350.000	49.936	46.162	-4.064	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:19
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	

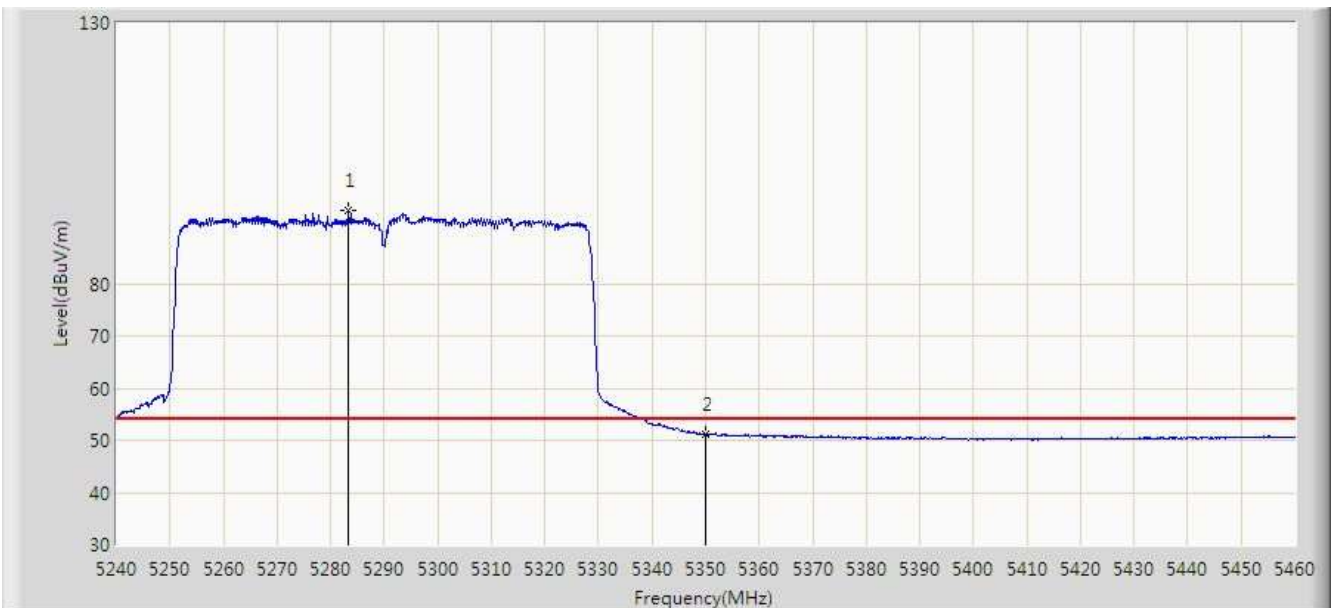


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5272.890	109.091	105.367	N/A	N/A	3.723	PK
2			5350.000	60.548	56.774	-13.452	74.000	3.774	PK
3			5369.030	70.626	66.840	-3.374	74.000	3.786	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:22
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5290MHz (Beam-Forming Mode)	

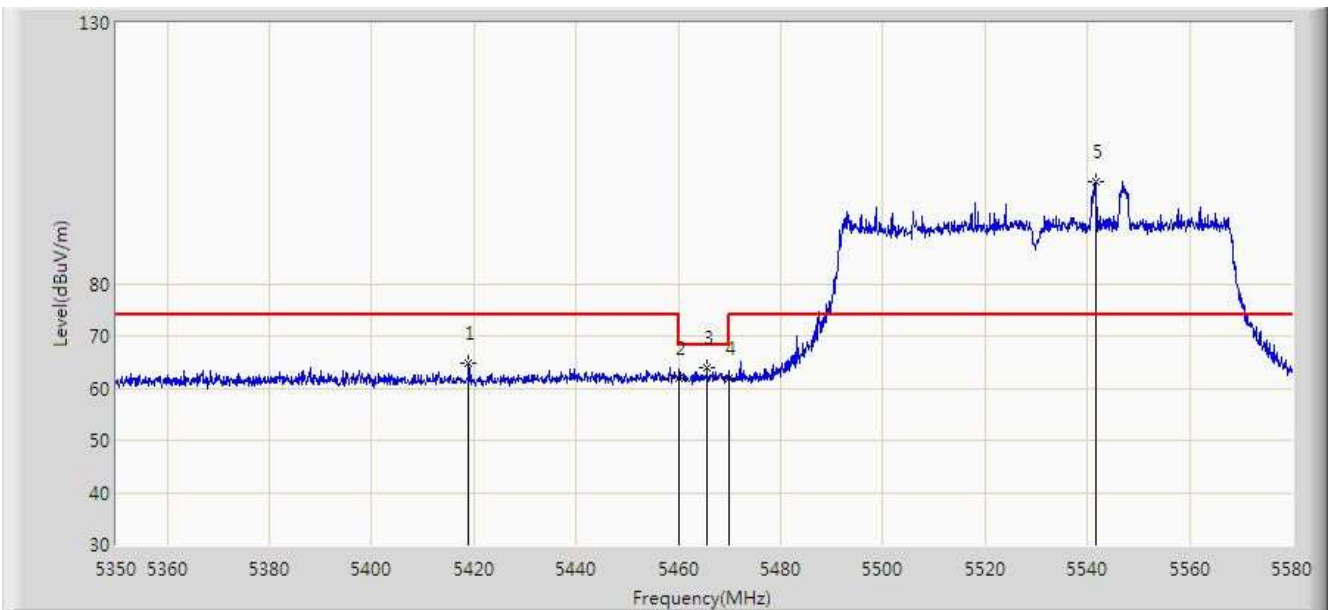


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5283.340	94.067	90.336	N/A	N/A	3.732	AV
2			5350.000	51.095	47.321	-2.905	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:29
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

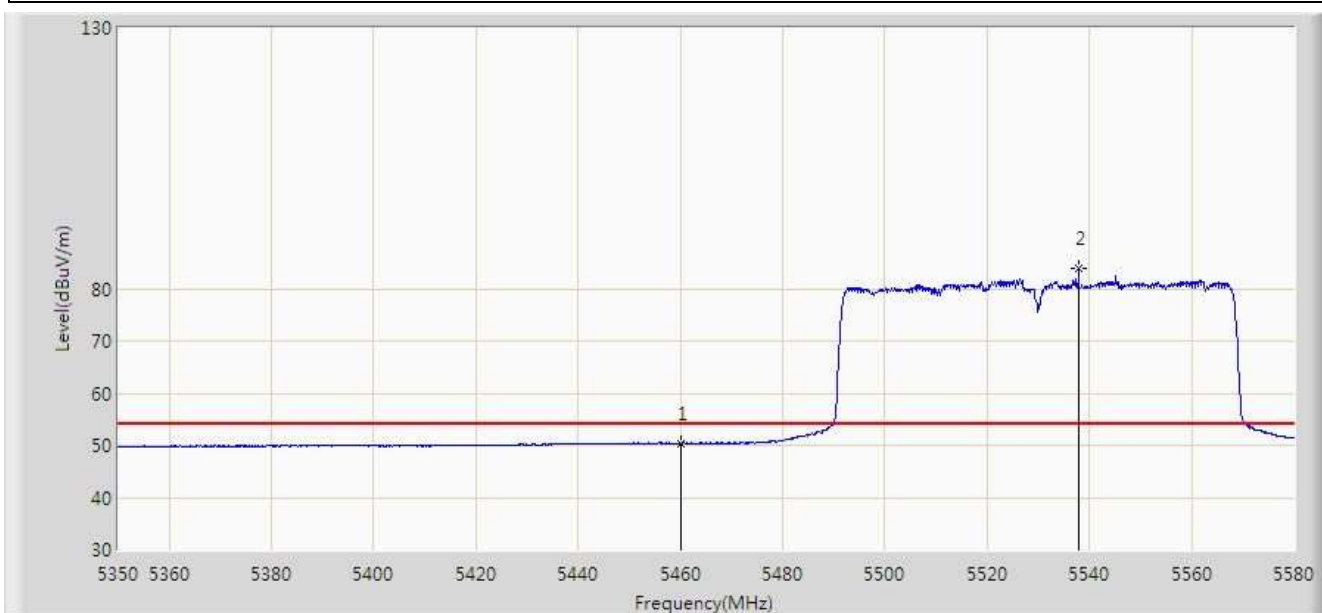


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5419.000	64.724	60.906	-9.276	74.000	3.818	PK
2			5460.000	61.783	57.939	-12.217	74.000	3.844	PK
3			5465.575	63.966	60.118	-4.234	68.200	3.847	PK
4			5470.000	62.014	58.163	-6.186	68.200	3.850	PK
5		*	5541.705	99.661	95.631	N/A	N/A	4.030	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:30
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

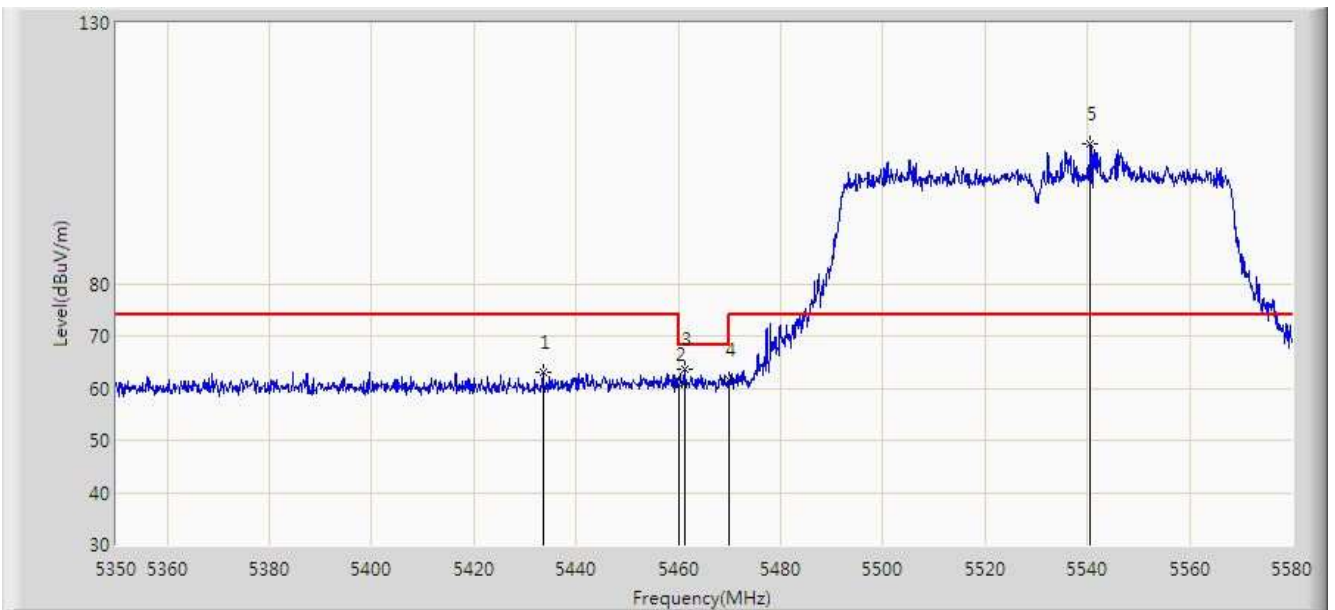


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.427	46.583	-3.573	54.000	3.844	AV
2		*	5537.910	83.808	79.792	N/A	N/A	4.016	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:27
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

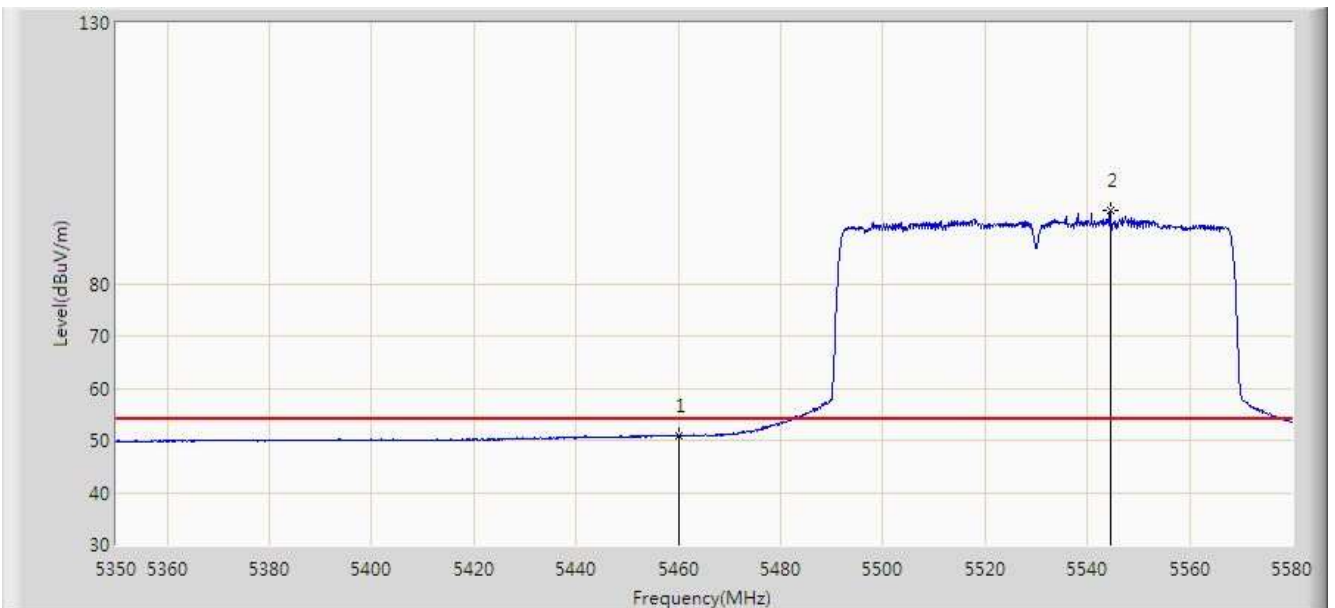


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5433.490	63.182	59.355	-10.818	74.000	3.827	PK
2			5460.000	60.586	56.742	-13.414	74.000	3.844	PK
3			5461.320	63.500	59.655	-4.700	68.200	3.845	PK
4			5470.000	61.659	57.808	-6.541	68.200	3.850	PK
5		*	5540.555	106.813	102.787	N/A	N/A	4.026	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:28
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5530MHz (Beam-Forming Mode)	

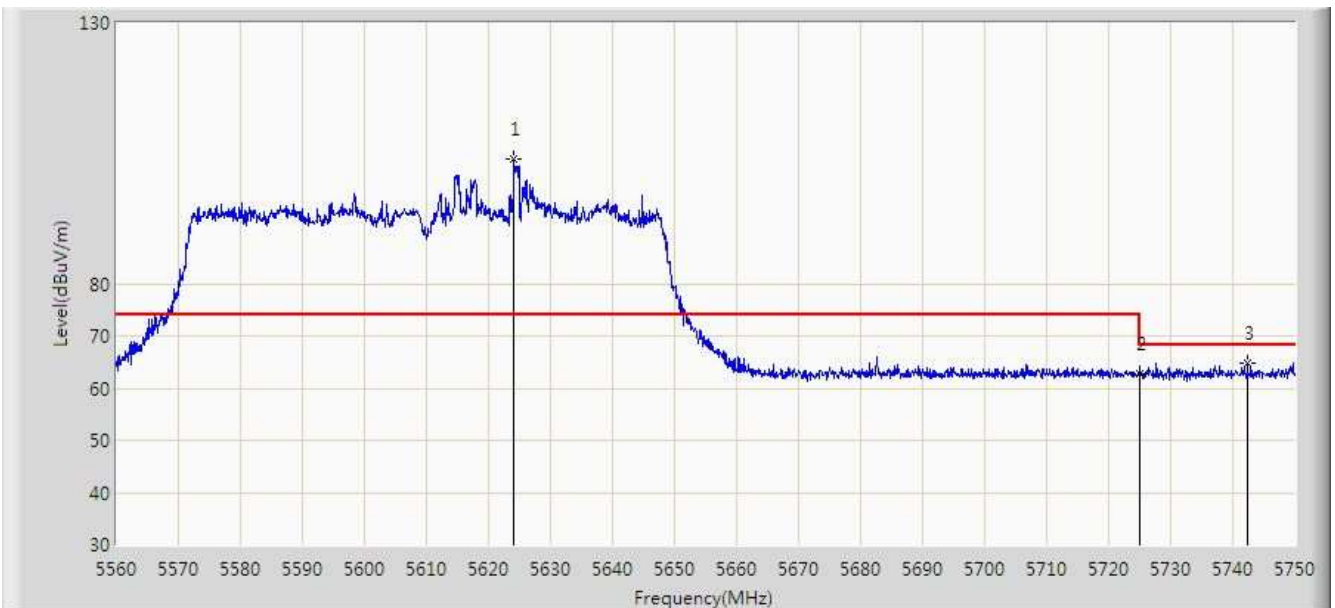


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.879	47.035	-3.121	54.000	3.844	AV
2		*	5544.465	94.061	90.020	N/A	N/A	4.040	AV

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

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

Site: AC1	Time: 2019/10/30 - 22:34
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5610MHz (Beam-Forming Mode)	

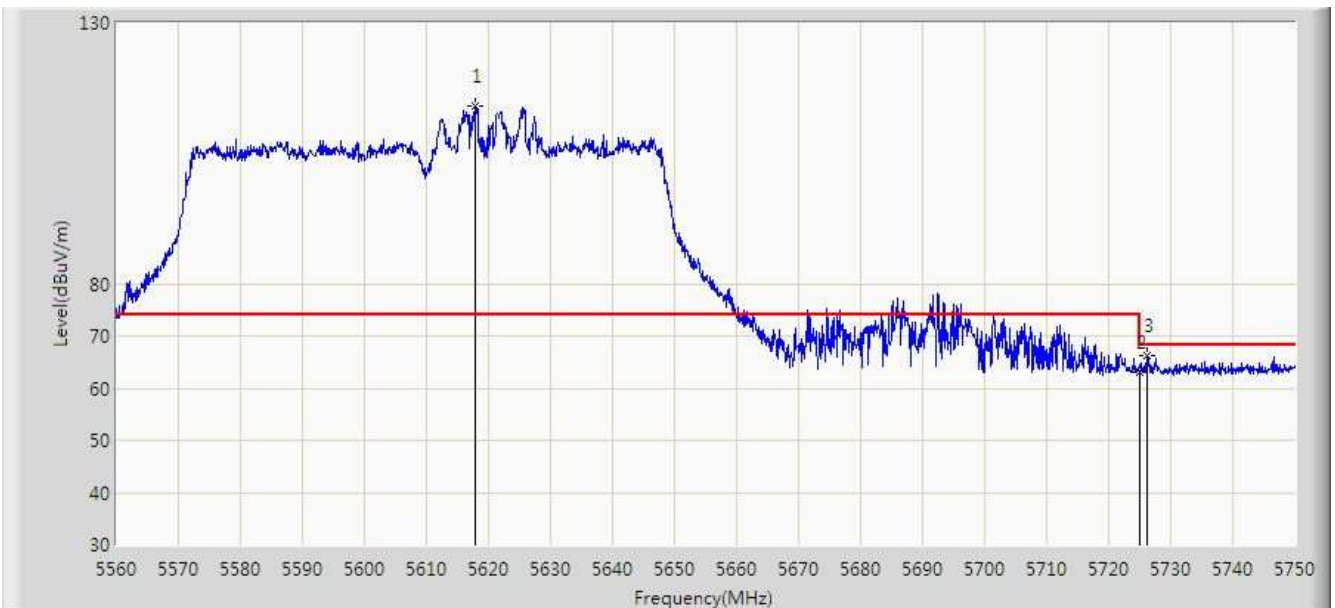


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5624.030	104.005	99.659	N/A	N/A	4.346	PK
2			5725.000	62.780	58.046	-5.420	68.200	4.734	PK
3			5742.400	64.640	59.839	-3.560	68.200	4.800	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:32
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5610MHz (Beam-Forming Mode)	

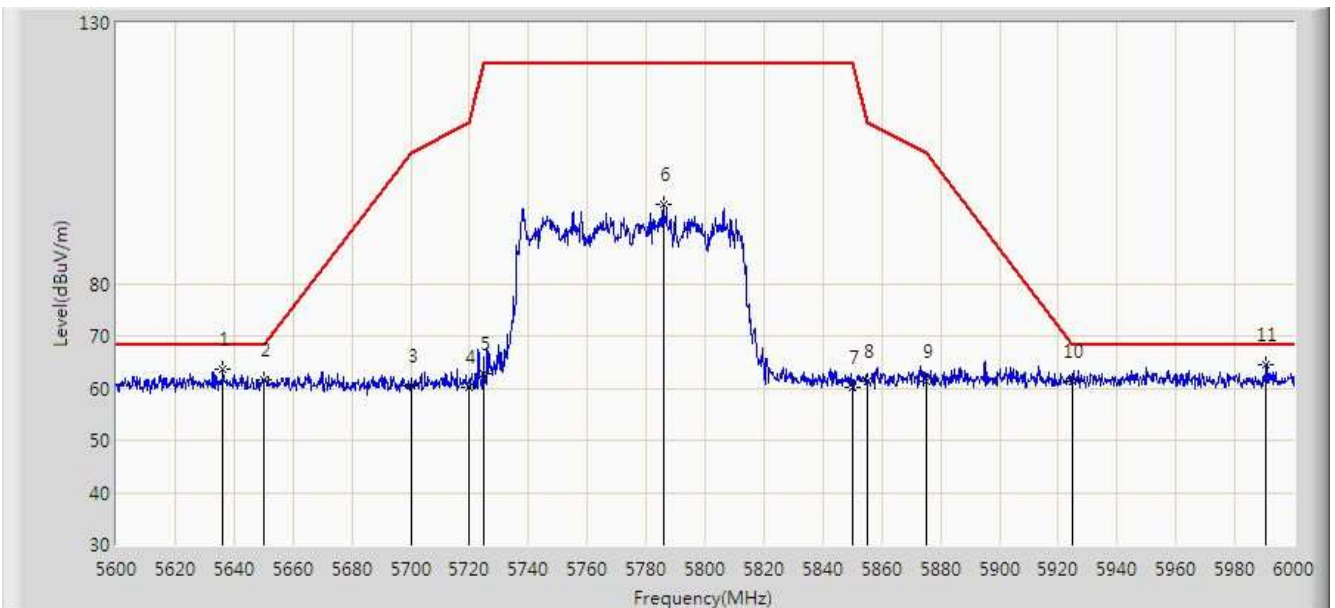


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5617.760	114.081	109.759	N/A	N/A	4.322	PK
2			5725.000	63.140	58.406	-5.060	68.200	4.734	PK
3			5726.155	66.126	61.388	-2.074	68.200	4.738	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:39
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5775MHz (Beam-Forming Mode)	

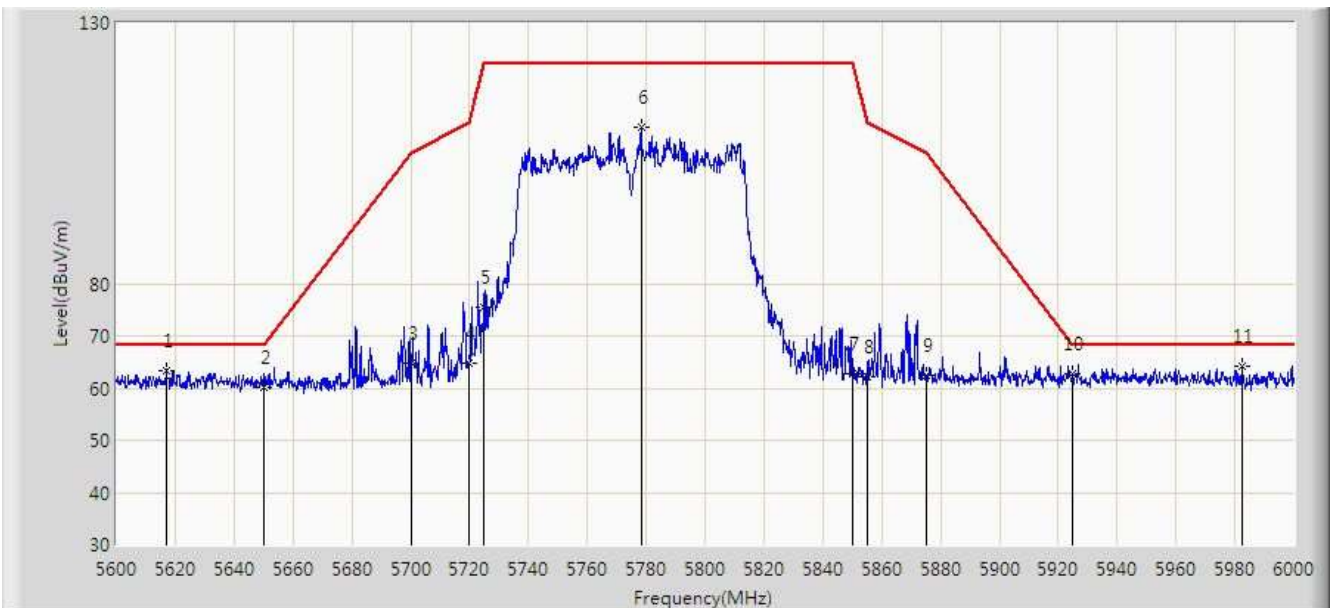


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5636.200	63.633	59.240	-4.567	68.200	4.393	PK
2			5650.000	61.465	57.019	-6.735	68.200	4.446	PK
3			5700.000	60.310	55.672	-44.890	105.200	4.638	PK
4			5720.000	60.273	55.558	-50.527	110.800	4.715	PK
5			5725.000	62.700	57.966	-59.500	122.200	4.734	PK
6			5785.800	95.136	90.168	N/A	N/A	4.968	PK
7			5850.000	60.246	55.032	-61.954	122.200	5.214	PK
8			5855.000	61.193	55.960	-49.607	110.800	5.233	PK
9			5875.000	61.385	56.075	-43.815	105.200	5.310	PK
10			5925.000	61.290	55.788	-6.910	68.200	5.502	PK
11		*	5990.600	64.465	58.711	-3.735	68.200	5.754	PK

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

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

Site: AC1	Time: 2019/10/30 - 22:38
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT80 at channel 5775MHz (Beam-Forming Mode)	

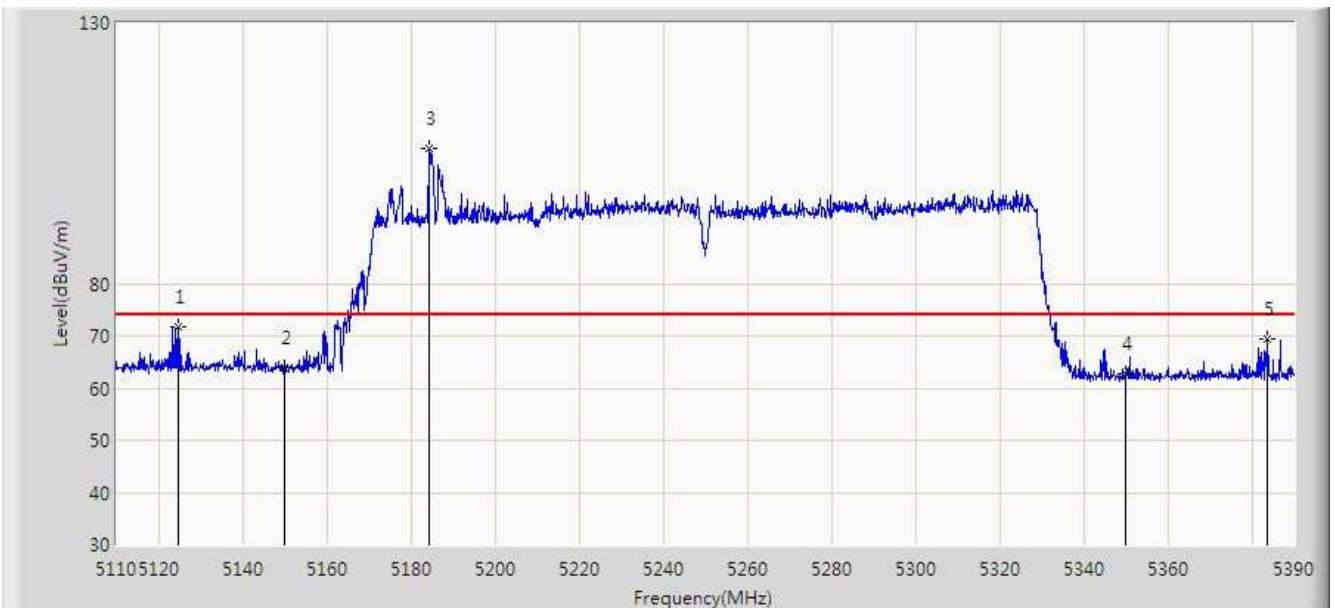


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5616.800	63.456	59.138	-4.744	68.200	4.318	PK
2			5650.000	60.104	55.658	-8.096	68.200	4.446	PK
3			5700.000	64.829	60.191	-40.371	105.200	4.638	PK
4			5720.000	64.740	60.025	-46.060	110.800	4.715	PK
5			5725.000	75.616	70.882	-46.584	122.200	4.734	PK
6			5778.200	109.917	104.978	N/A	N/A	4.938	PK
7			5850.000	62.686	57.472	-59.514	122.200	5.214	PK
8			5855.000	62.029	56.796	-48.771	110.800	5.233	PK
9			5875.000	62.400	57.090	-42.800	105.200	5.310	PK
10			5925.000	62.733	57.231	-5.467	68.200	5.502	PK
11		*	5982.400	64.160	58.437	-4.040	68.200	5.722	PK

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

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

Site: AC1	Time: 2019/11/08 - 00:14
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5250MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5124.700	71.872	68.242	-2.128	74.000	3.630	PK
2			5150.000	63.917	60.271	-10.083	74.000	3.646	PK
3		*	5184.340	105.875	102.207	N/A	N/A	3.667	PK
4			5350.000	62.678	58.904	-11.322	74.000	3.774	PK
5			5383.700	69.527	65.731	-4.473	74.000	3.796	PK

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

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

Site: AC1	Time: 2019/11/08 - 00:16
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5250MHz (Beam-Forming Mode)	

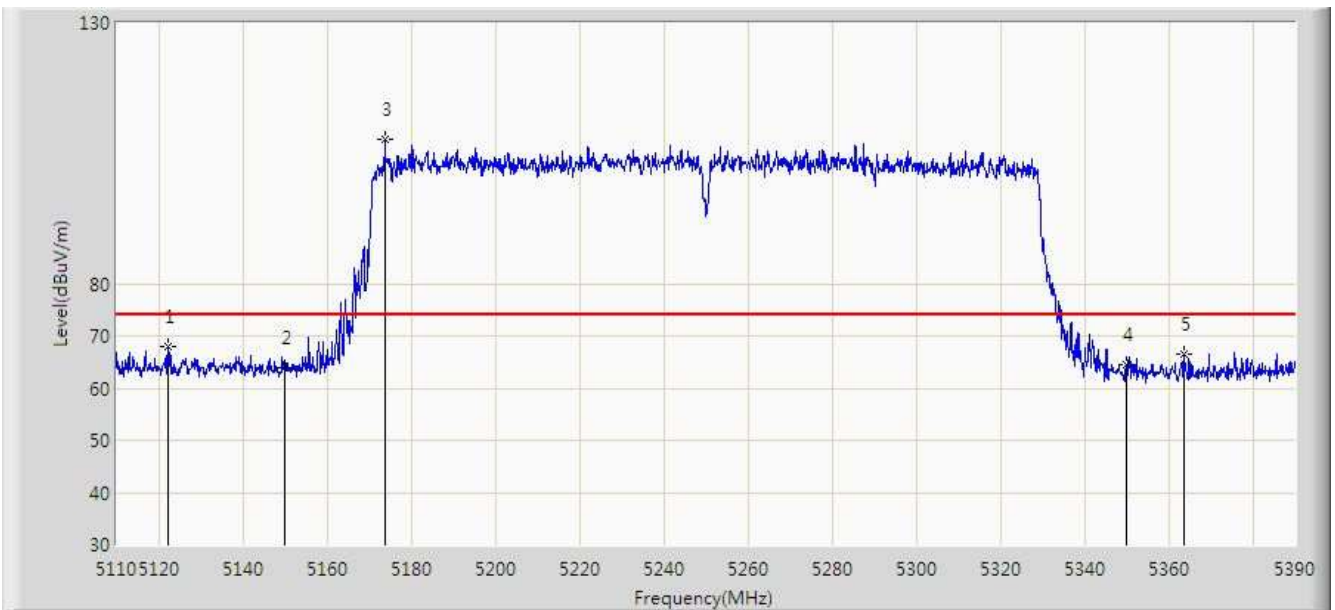


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5123.860	48.774	45.145	-5.226	54.000	3.629	AV
2			5150.000	46.591	42.945	-7.409	54.000	3.646	AV
3		*	5185.880	87.943	84.274	N/A	N/A	3.669	AV
4			5350.000	46.154	42.380	-7.846	54.000	3.774	AV
5			5383.420	47.726	43.930	-6.274	54.000	3.795	AV

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

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

Site: AC1	Time: 2019/11/08 - 00:09
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5250MHz (Beam-Forming Mode)	

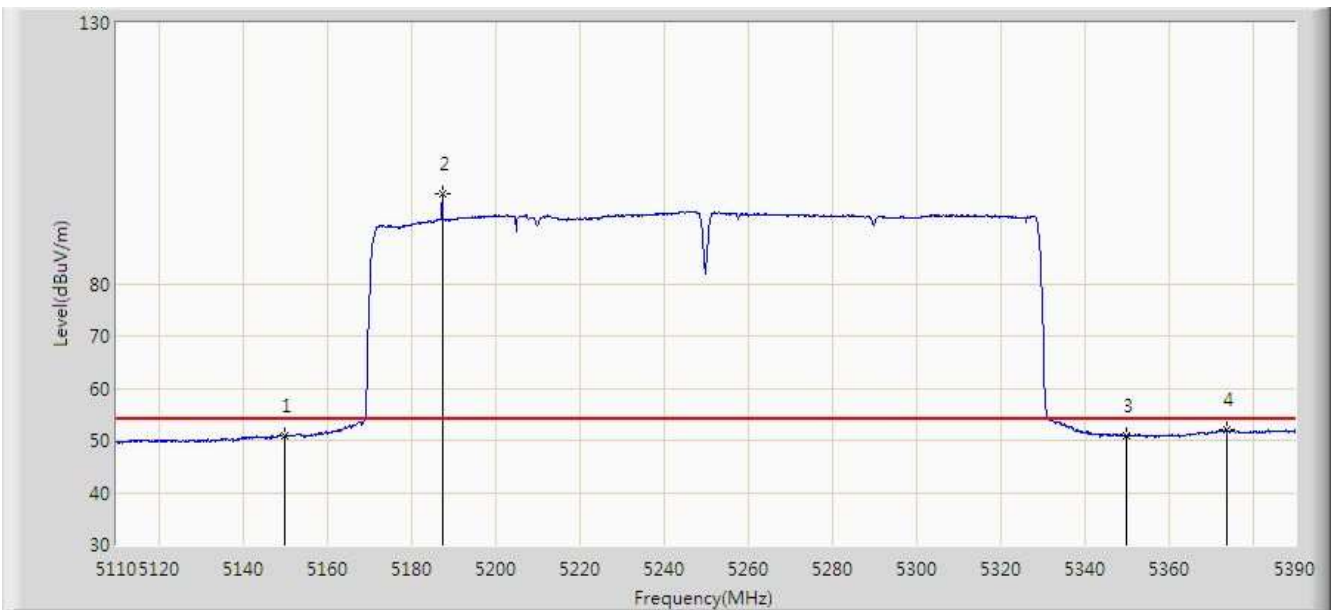


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5122.320	67.862	64.234	-6.138	74.000	3.628	PK
2			5150.000	63.827	60.181	-10.173	74.000	3.646	PK
3		*	5173.840	107.618	103.957	N/A	N/A	3.661	PK
4			5350.000	64.539	60.765	-9.461	74.000	3.774	PK
5			5363.680	66.642	62.859	-7.358	74.000	3.783	PK

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

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

Site: AC1	Time: 2019/11/08 - 00:12
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5250MHz (Beam-Forming Mode)	

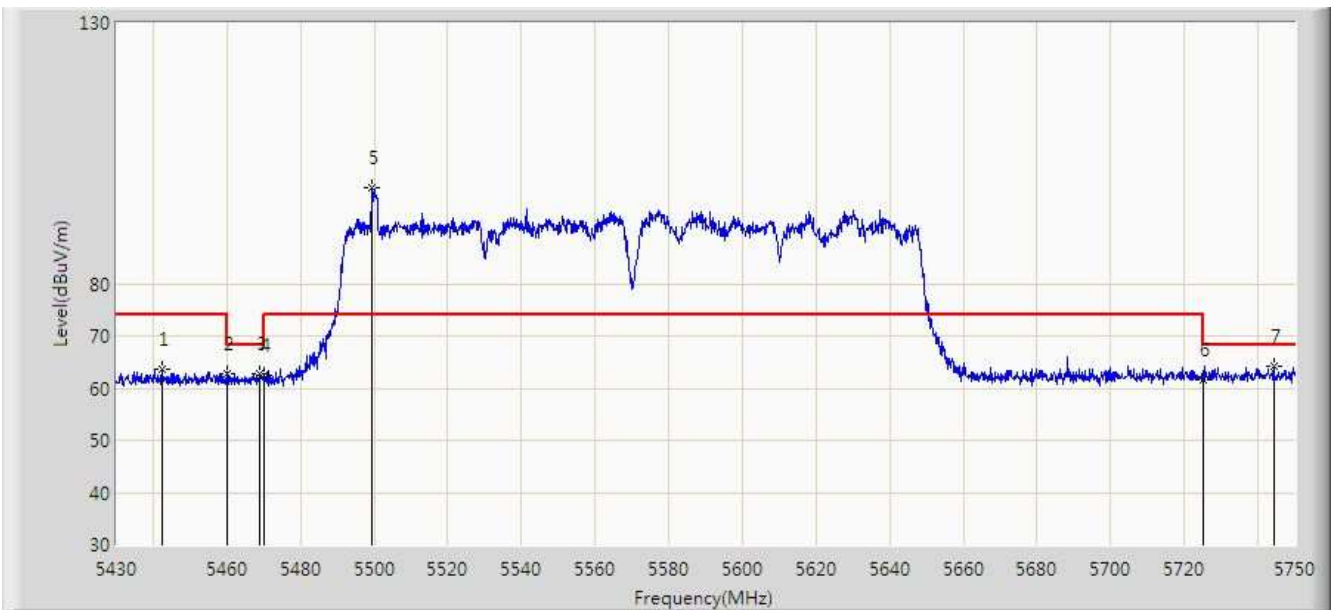


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	50.864	47.218	-3.136	54.000	3.646	AV
2		*	5187.420	97.253	93.583	N/A	N/A	3.670	AV
3			5350.000	50.930	47.156	-3.070	54.000	3.774	AV
4			5373.760	51.901	48.112	-2.099	54.000	3.789	AV

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

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

Site: AC1	Time: 2019/11/08 - 00:26
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5570MHz (Beam-Forming Mode)	

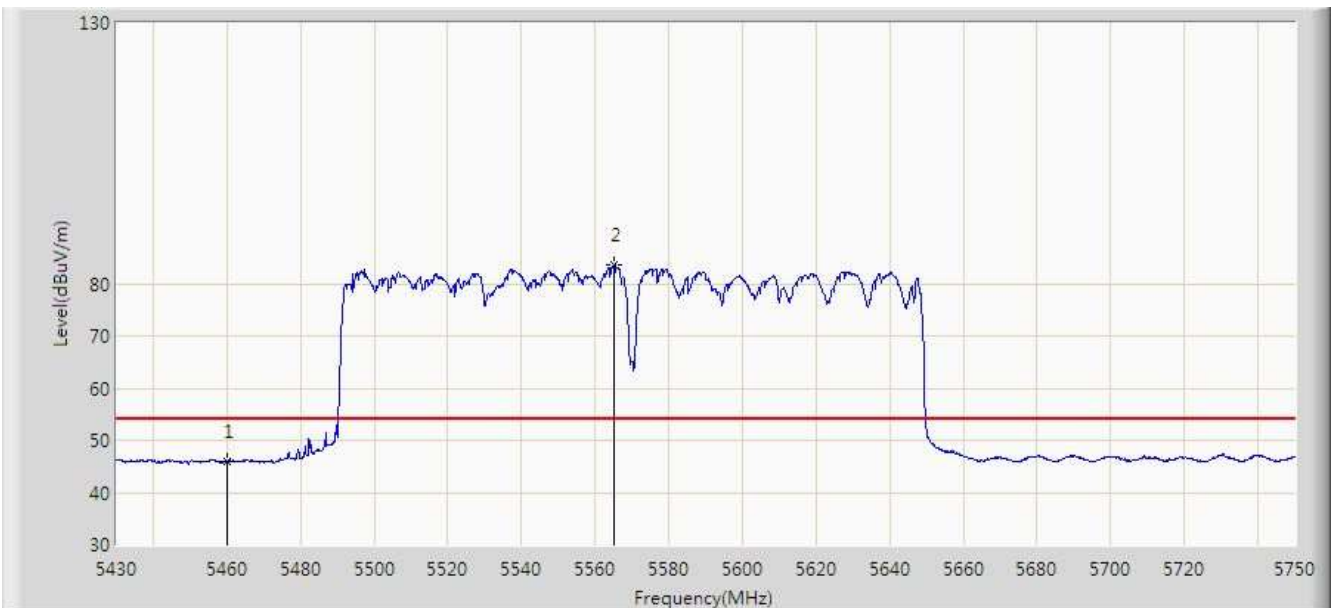


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5442.320	63.579	59.747	-10.421	74.000	3.832	PK
2			5460.000	62.648	58.804	-11.352	74.000	3.844	PK
3			5468.880	62.788	58.938	-5.412	68.200	3.850	PK
4			5470.000	62.493	58.642	-5.707	68.200	3.850	PK
5		*	5499.440	98.307	94.426	N/A	N/A	3.881	PK
6			5725.000	61.492	56.758	-6.708	68.200	4.734	PK
7			5744.400	64.150	59.342	-4.050	68.200	4.809	PK

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

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

Site: AC1	Time: 2019/11/08 - 00:27
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5570MHz (Beam-Forming Mode)	

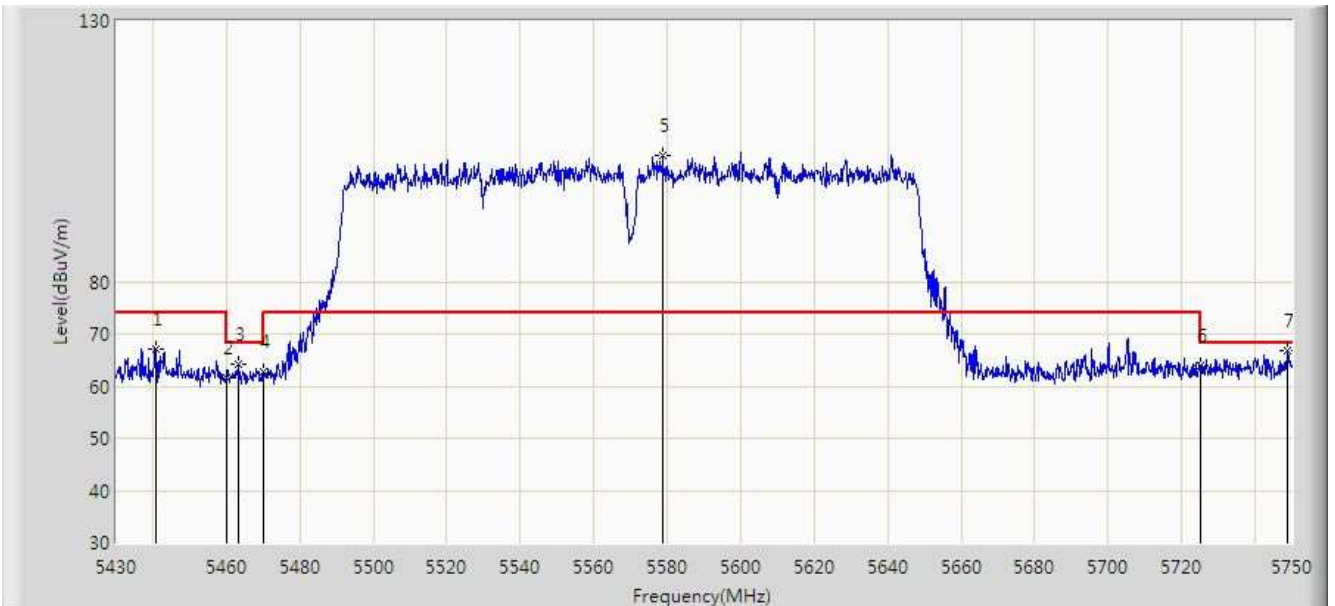


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.810	41.966	-8.190	54.000	3.844	AV
2		*	5565.200	83.506	79.386	N/A	N/A	4.120	AV

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

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

Site: AC1	Time: 2019/11/08 - 00:21
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5570MHz (Beam-Forming Mode)	

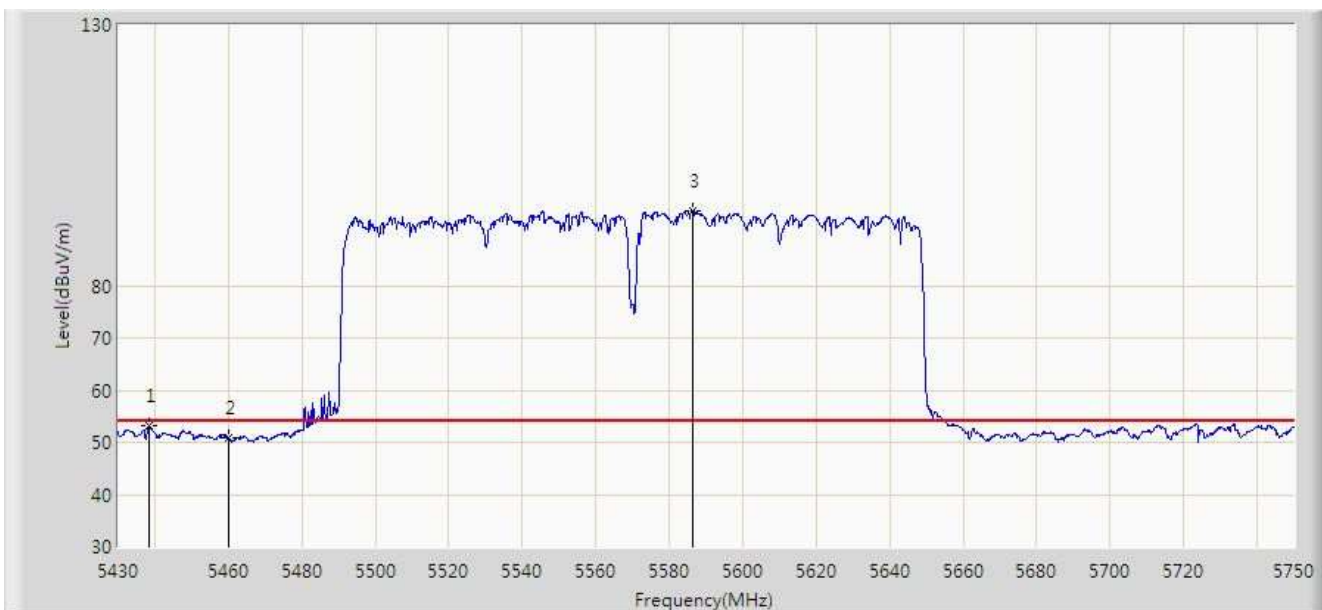


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5440.720	67.222	63.391	-6.778	74.000	3.831	PK
2			5460.000	61.456	57.612	-12.544	74.000	3.844	PK
3			5463.120	64.312	60.466	-3.888	68.200	3.846	PK
4			5470.000	62.811	58.960	-5.389	68.200	3.850	PK
5		*	5578.800	104.068	99.896	N/A	N/A	4.173	PK
6			5725.000	64.030	59.296	-4.170	68.200	4.734	PK
7			5748.880	66.677	61.852	-1.523	68.200	4.826	PK

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

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

Site: AC1	Time: 2019/11/08 - 00:24
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ac-VHT160 at channel 5570MHz (Beam-Forming Mode)	

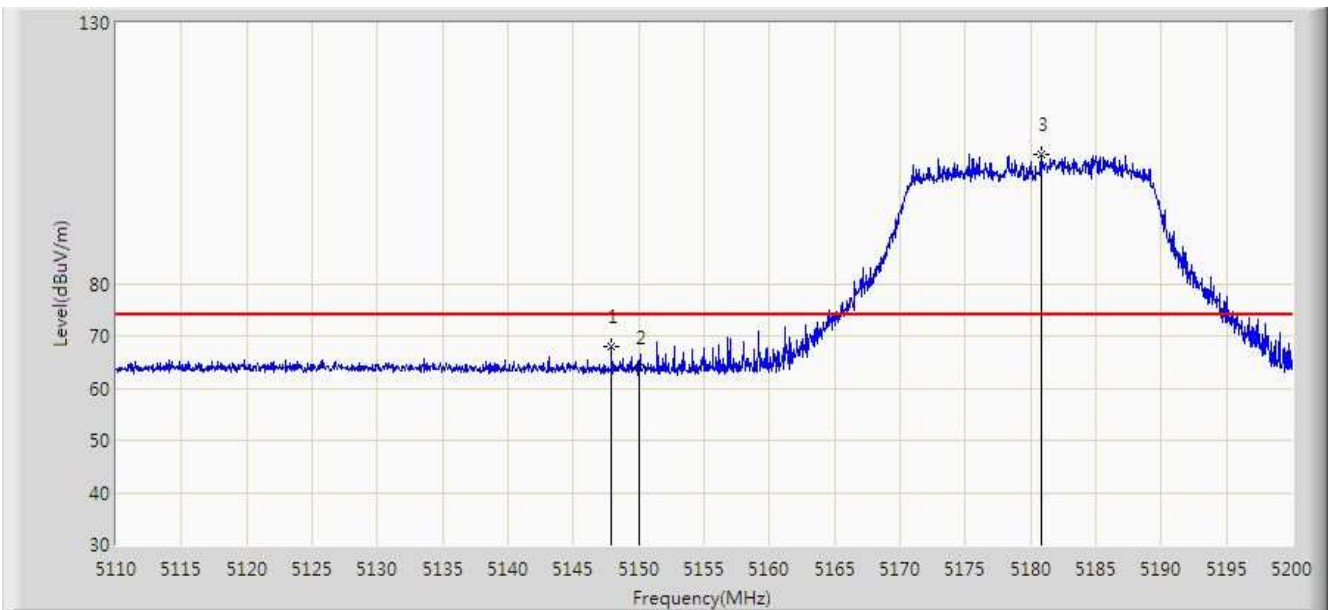


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5438.480	53.157	49.327	-0.843	54.000	3.830	AV
2			5460.000	50.862	47.018	-3.138	54.000	3.844	AV
3		*	5586.480	94.446	90.244	N/A	N/A	4.202	AV

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

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

Site: AC1	Time: 2019/11/01 - 20:51
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5180MHz (Beam-Forming Mode)	

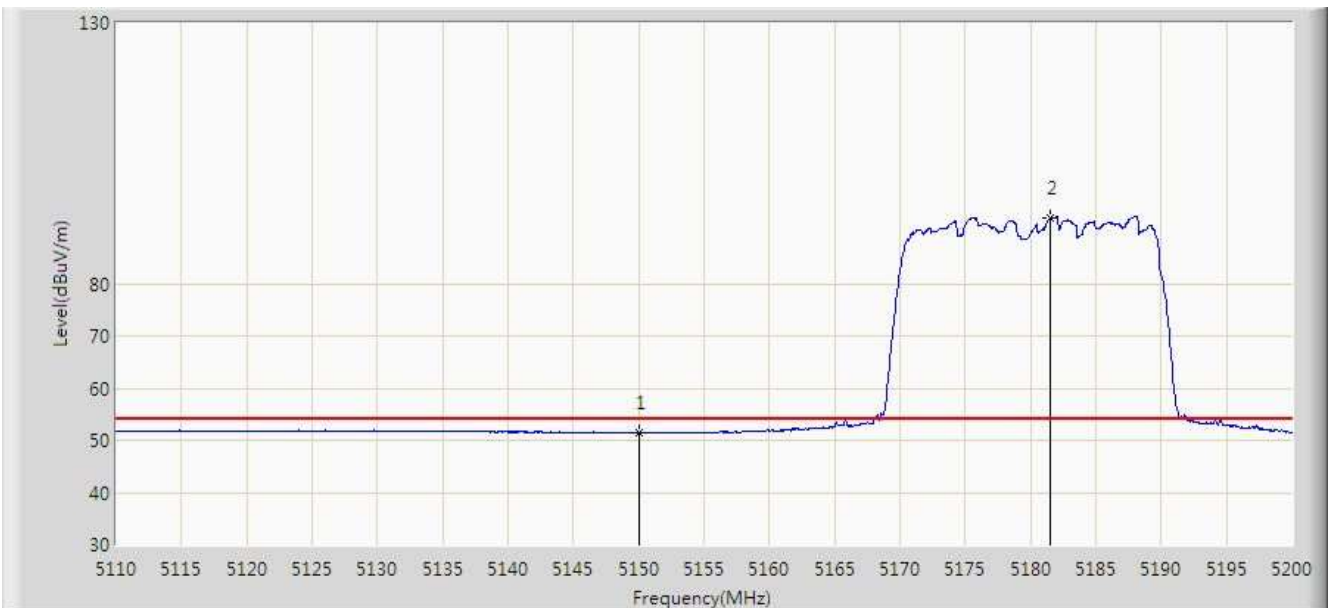


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.935	68.063	64.418	-5.937	74.000	3.645	PK
2			5150.000	63.795	60.149	-10.205	74.000	3.646	PK
3		*	5180.875	104.848	101.183	N/A	N/A	3.665	PK

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

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

Site: AC1	Time: 2019/11/01 - 20:52
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5180MHz (Beam-Forming Mode)	

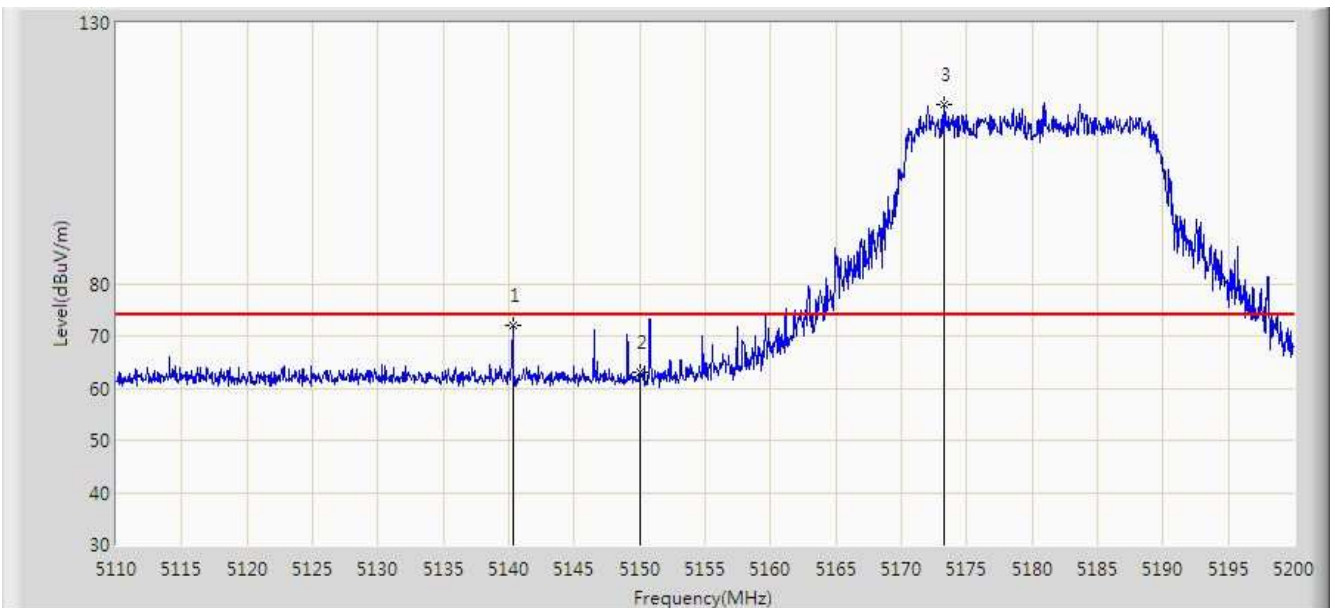


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.385	47.739	-2.615	54.000	3.646	AV
2		*	5181.550	92.616	88.950	N/A	N/A	3.666	AV

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

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

Site: AC1	Time: 2019/11/01 - 20:48
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5180MHz (Beam-Forming Mode)	

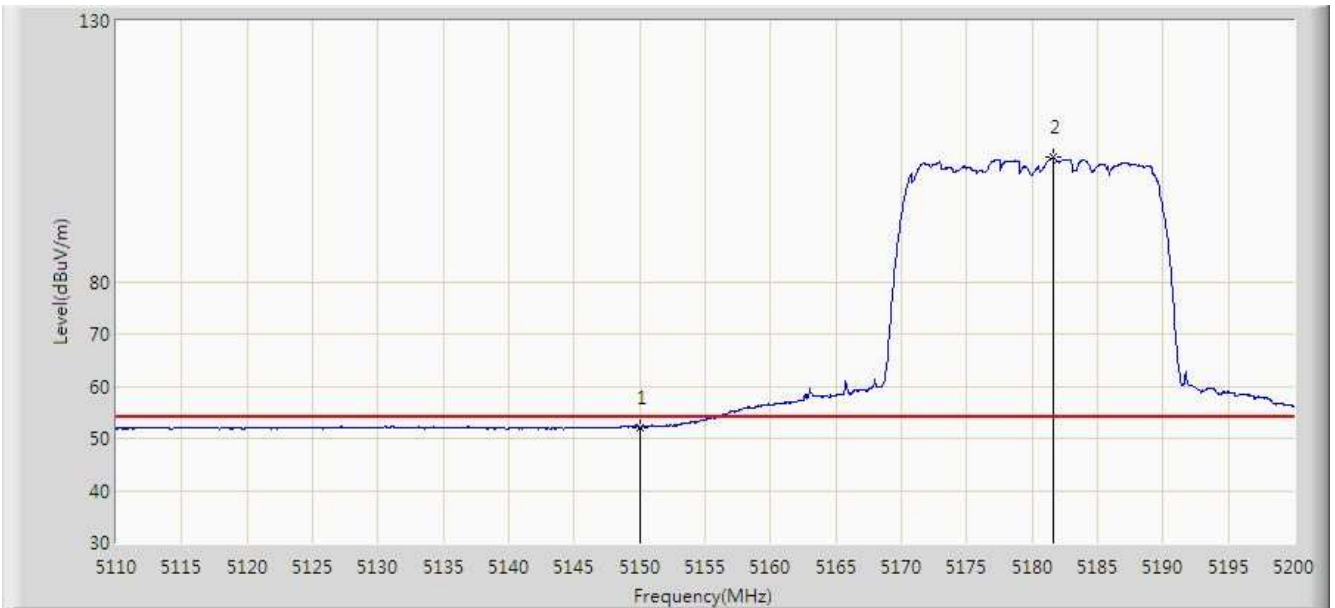


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5140.285	72.098	68.458	-1.902	74.000	3.640	PK
2			5150.000	62.967	59.321	-11.033	74.000	3.646	PK
3		*	5173.315	114.215	110.554	N/A	N/A	3.660	PK

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

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

Site: AC1	Time: 2019/11/01 - 20:50
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5180MHz (Beam-Forming Mode)	

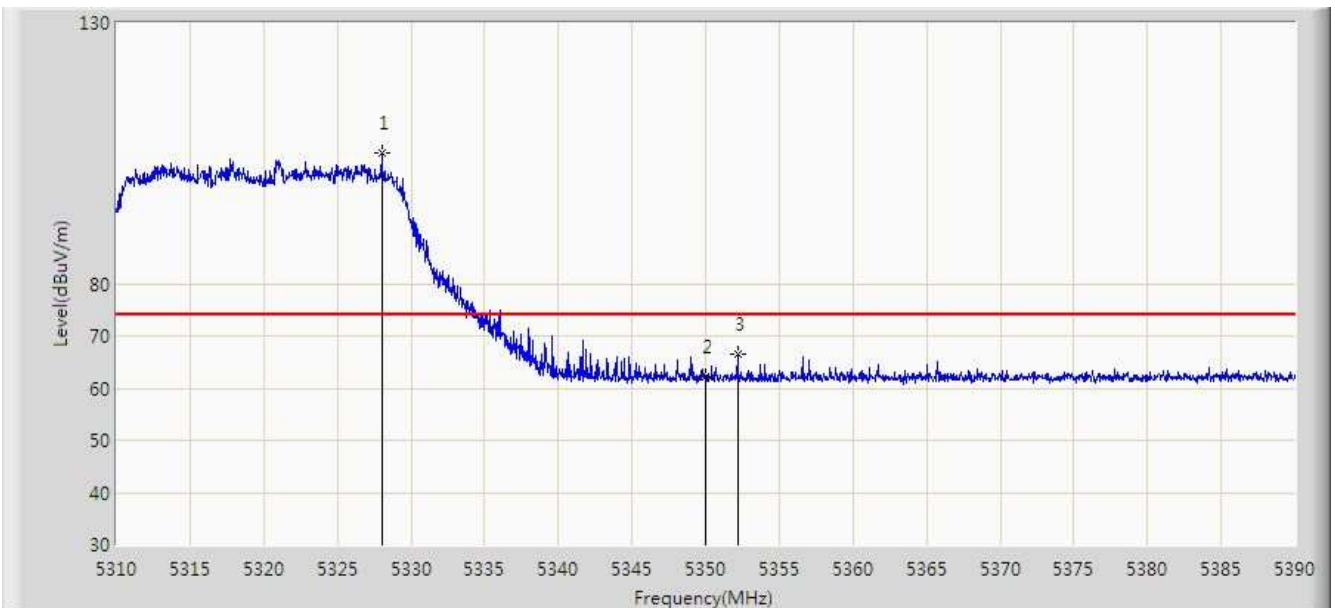


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.020	48.374	-1.980	54.000	3.646	AV
2		*	5181.595	103.776	100.110	N/A	N/A	3.666	AV

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

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

Site: AC1	Time: 2019/11/01 - 21:07
Limit: NCC LP0002_1GHz-40GHz_PK	Margin: 0
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5320MHz (Beam-Forming Mode)	

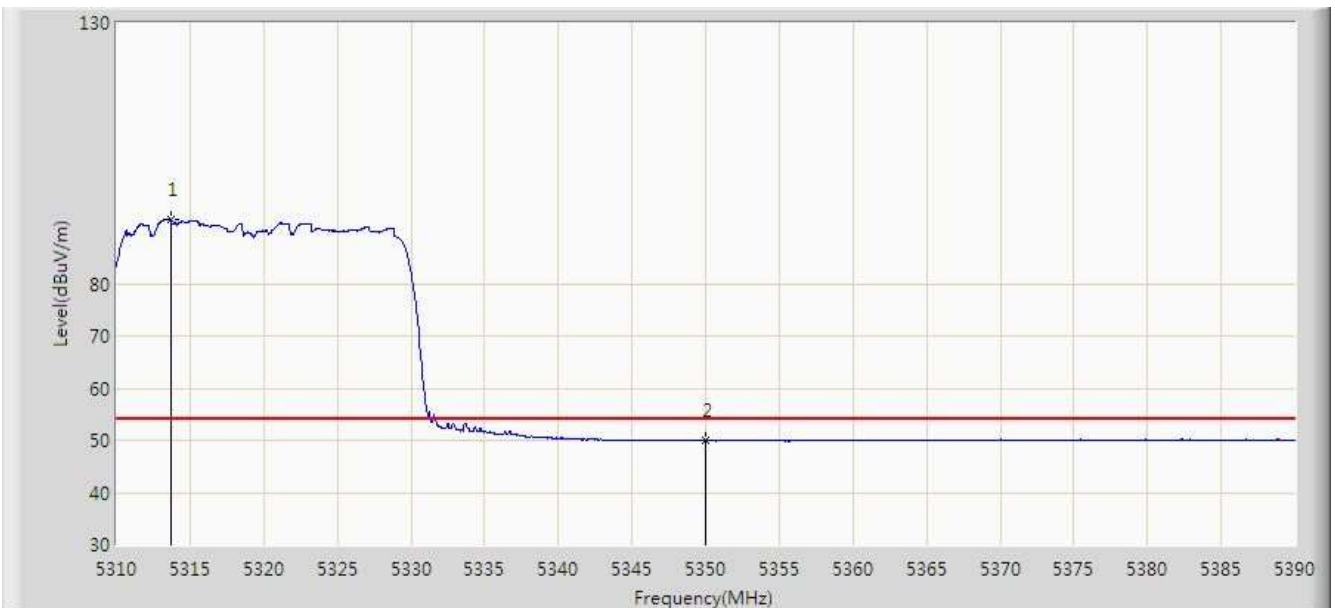


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor	Type
1		*	5328.000	105.065	101.304	N/A	N/A	3.761	PK
2			5350.000	62.287	58.513	-11.713	74.000	3.774	PK
3			5352.160	66.421	62.646	-7.579	74.000	3.775	PK

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

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

Site: AC1	Time: 2019/11/01 - 21:08
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5320MHz (Beam-Forming Mode)	

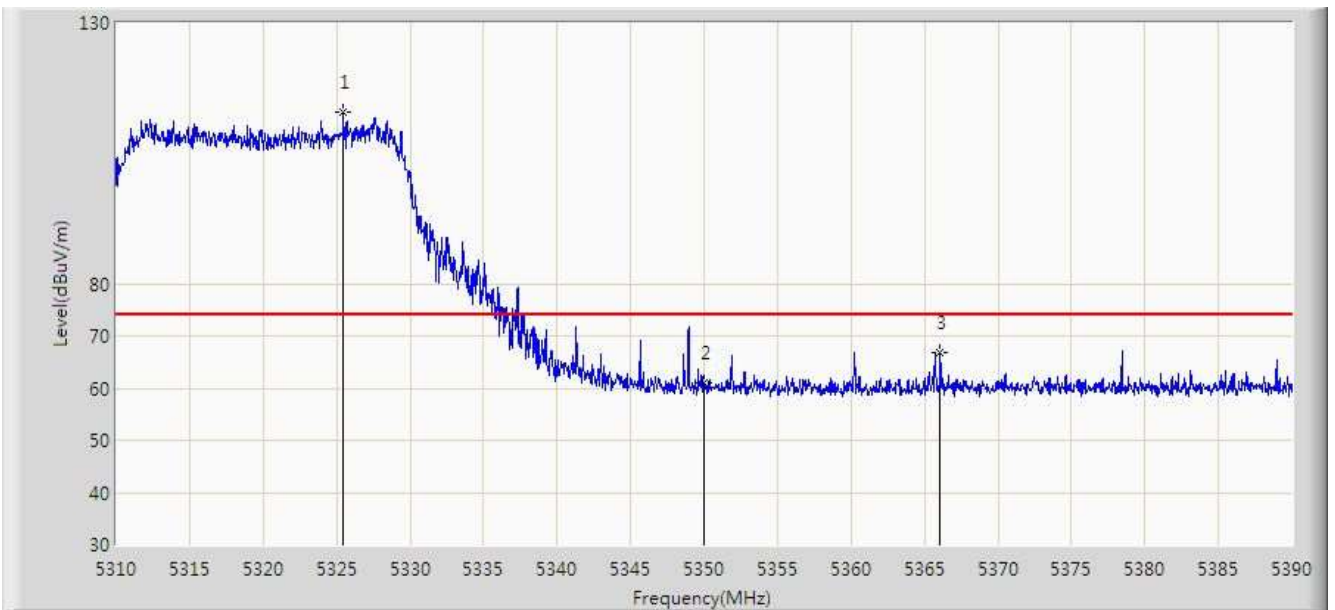


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.680	92.393	88.642	N/A	N/A	3.750	AV
2			5350.000	49.899	46.125	-4.101	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/11/01 - 21:04
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5320MHz (Beam-Forming Mode)	

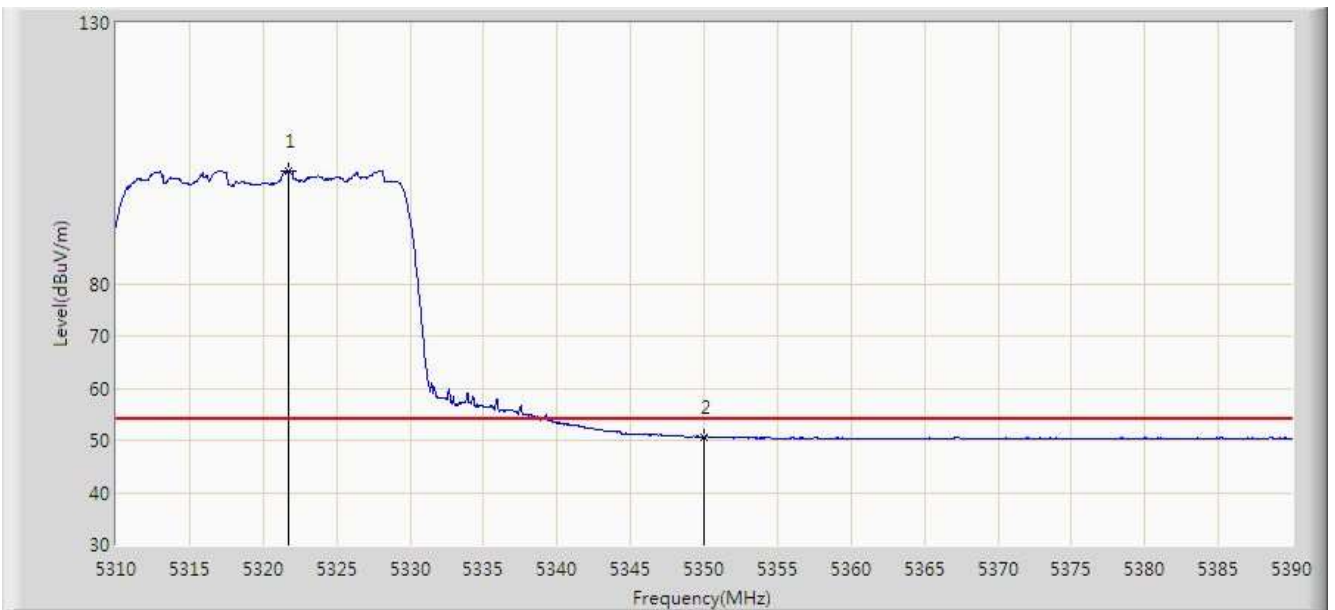


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5325.480	112.936	109.177	N/A	N/A	3.759	PK
2			5350.000	60.954	57.180	-13.046	74.000	3.774	PK
3			5366.080	66.893	63.109	-7.107	74.000	3.784	PK

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

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

Site: AC1	Time: 2019/11/01 - 21:06
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5320MHz (Beam-Forming Mode)	

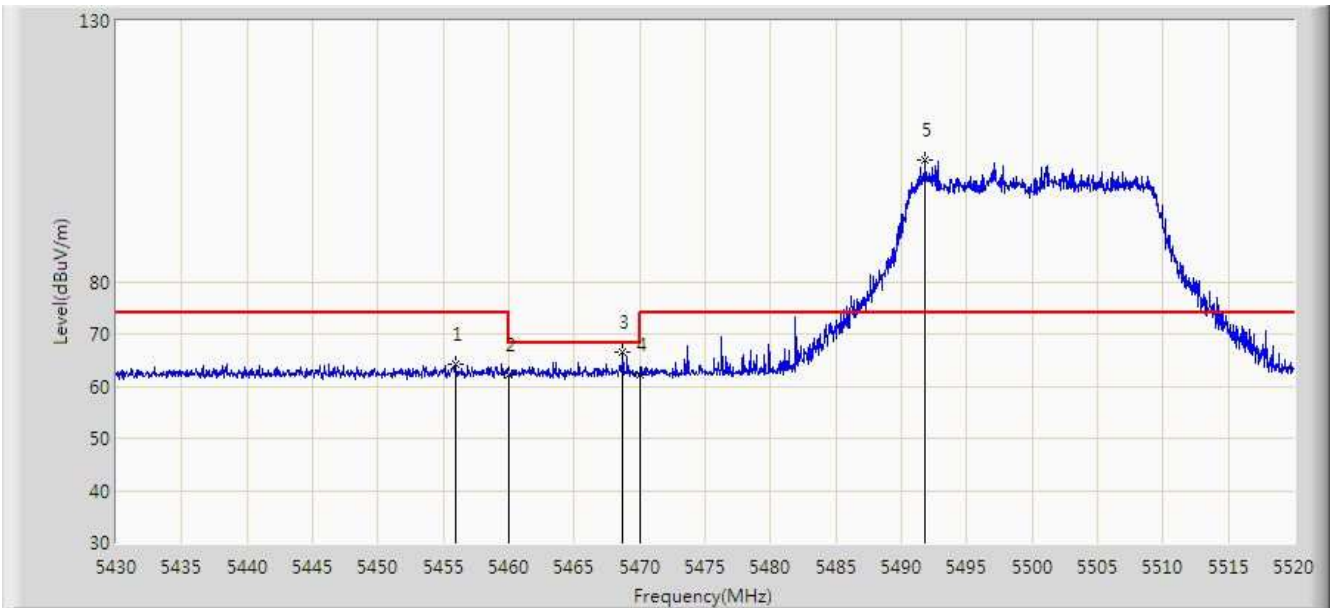


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5321.760	101.646	97.889	N/A	N/A	3.756	AV
2			5350.000	50.691	46.917	-3.309	54.000	3.774	AV

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

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

Site: AC1	Time: 2019/11/01 - 21:27
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5500MHz (Beam-Forming Mode)	

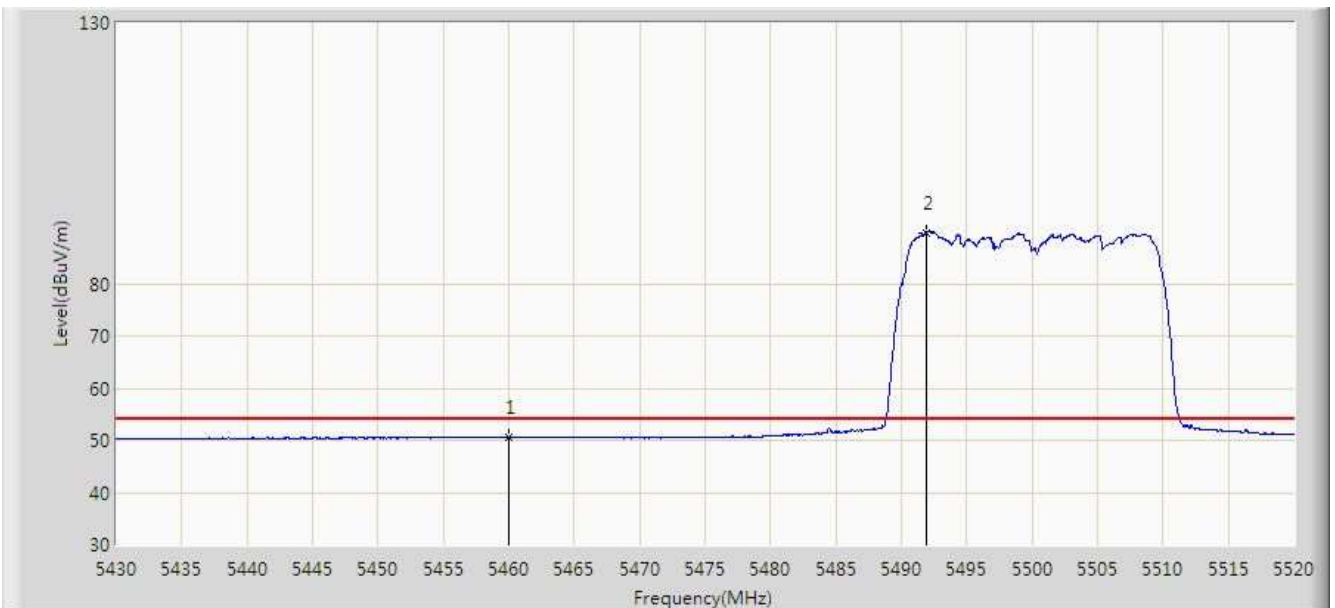


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.920	64.101	60.260	-9.899	74.000	3.841	PK
2			5460.000	62.118	58.274	-11.882	74.000	3.844	PK
3			5468.700	66.645	62.795	-1.555	68.200	3.850	PK
4			5470.000	62.049	58.198	-6.151	68.200	3.850	PK
5		*	5491.830	103.357	99.488	N/A	N/A	3.870	PK

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

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

Site: AC1	Time: 2019/11/01 - 21:29
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5500MHz (Beam-Forming Mode)	

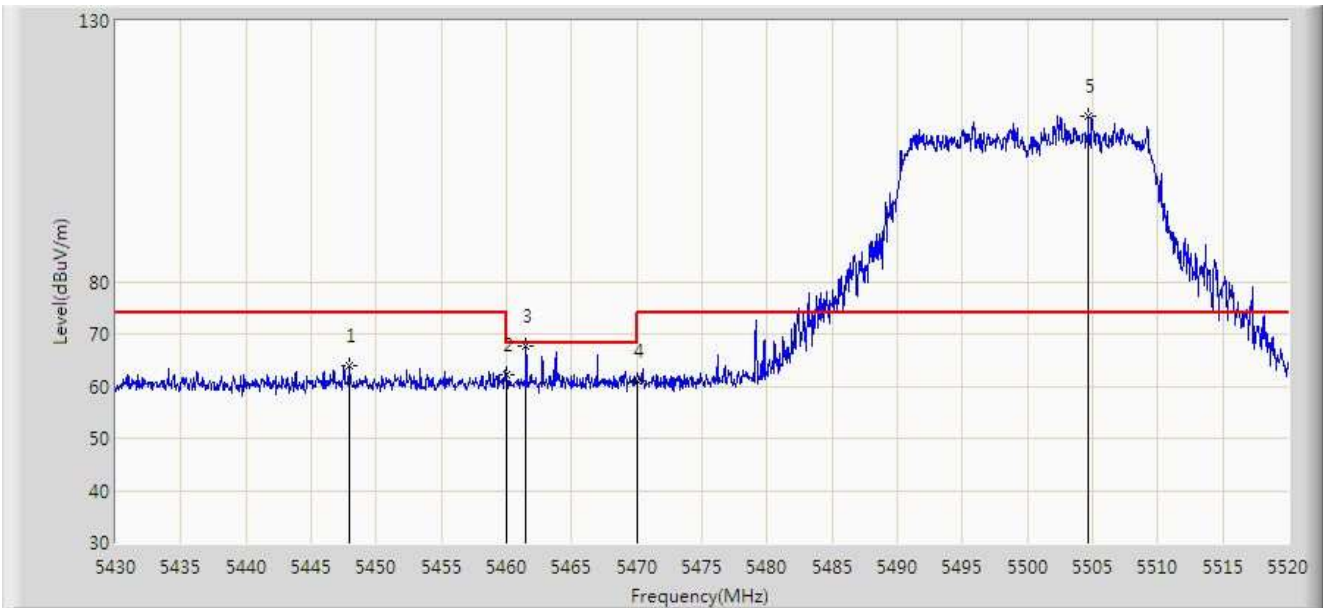


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.455	46.611	-3.545	54.000	3.844	AV
2		*	5491.920	89.815	85.946	N/A	N/A	3.870	AV

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

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

Site: AC1	Time: 2019/11/01 - 21:26
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5500MHz (Beam-Forming Mode)	

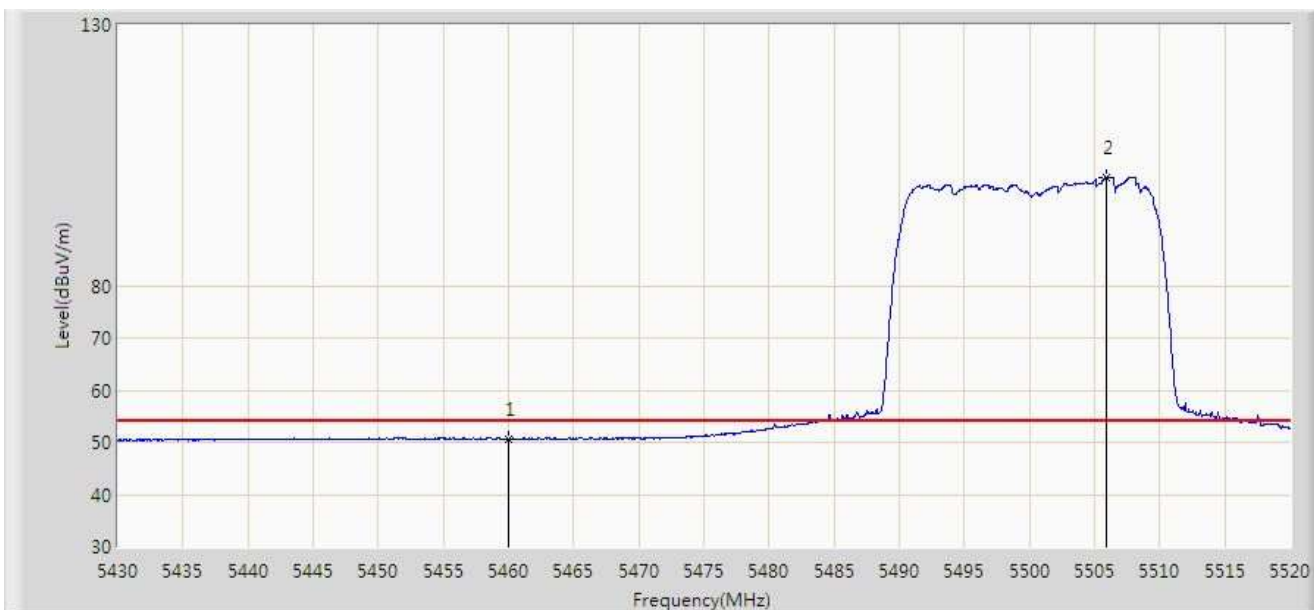


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5447.955	63.880	60.044	-10.120	74.000	3.836	PK
2			5460.000	62.242	58.398	-11.758	74.000	3.844	PK
3			5461.500	67.588	63.743	-0.612	68.200	3.845	PK
4			5470.000	61.022	57.171	-7.178	68.200	3.850	PK
5		*	5504.655	111.685	107.796	N/A	N/A	3.889	PK

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

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

Site: AC1	Time: 2019/11/01 - 21:27
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5500MHz (Beam-Forming Mode)	

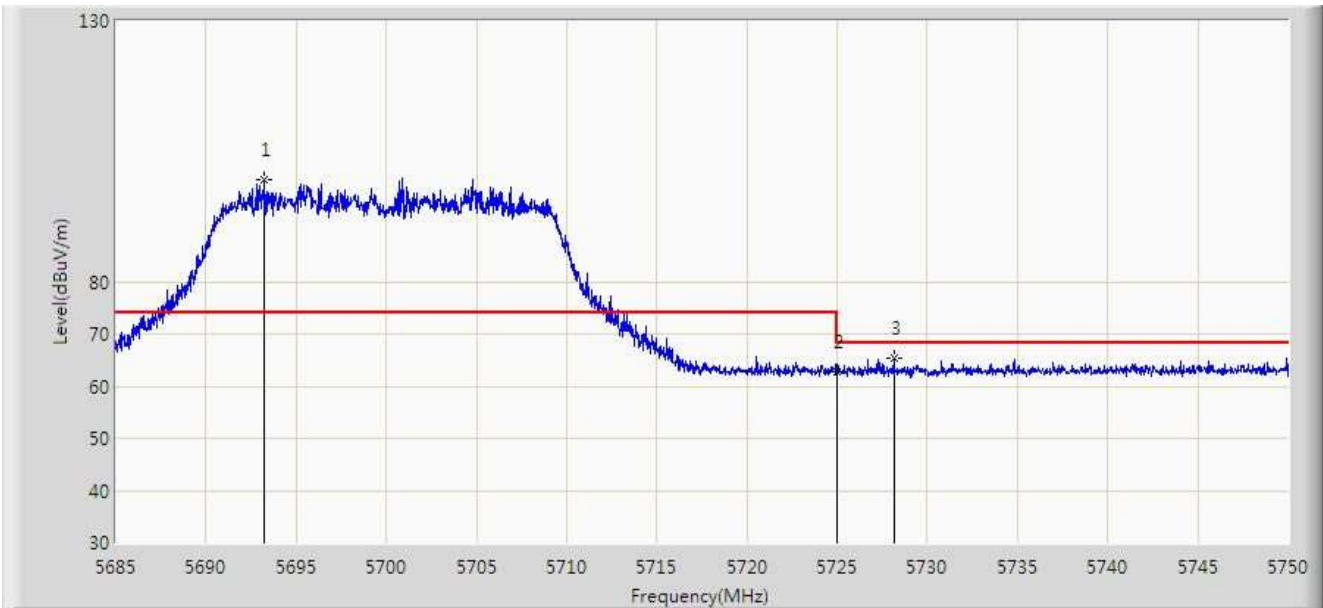


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.650	46.806	-3.350	54.000	3.844	AV
2		*	5505.870	100.720	96.827	N/A	N/A	3.893	AV

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

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

Site: AC1	Time: 2019/11/01 - 21:47
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5700MHz (Beam-Forming Mode)	

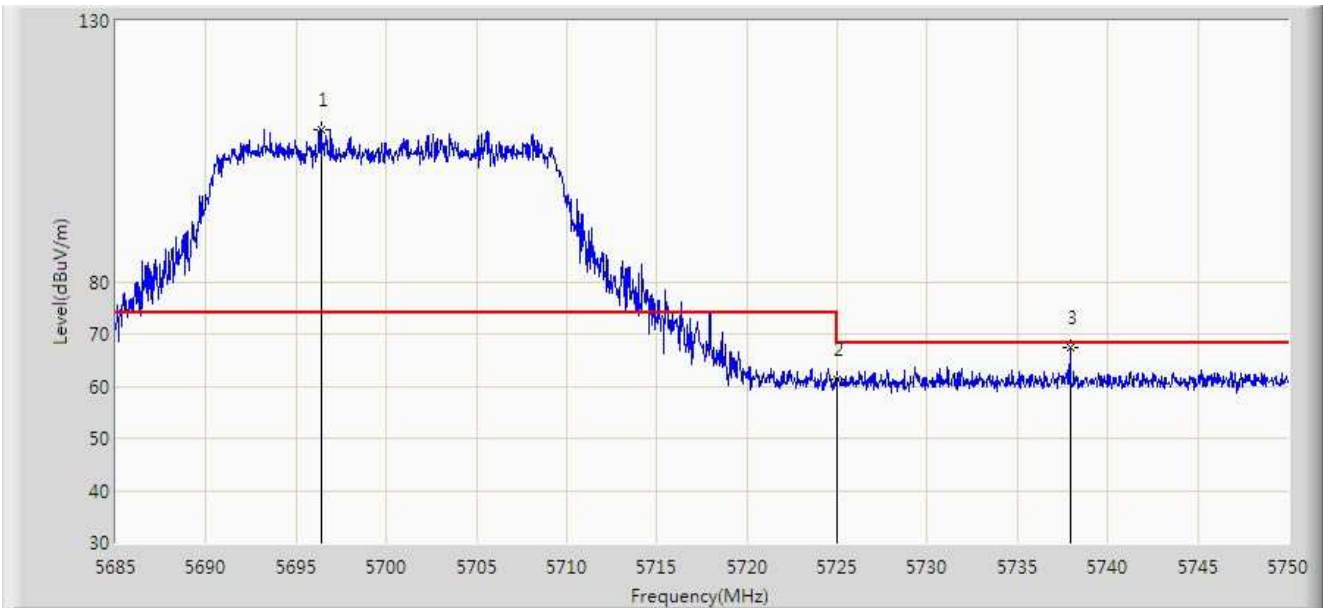


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5693.223	99.504	94.892	N/A	N/A	4.612	PK
2			5725.000	62.705	57.971	-5.495	68.200	4.734	PK
3			5728.160	65.366	60.620	-2.834	68.200	4.746	PK

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

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

Site: AC1	Time: 2019/11/01 - 21:46
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5700MHz (Beam-Forming Mode)	

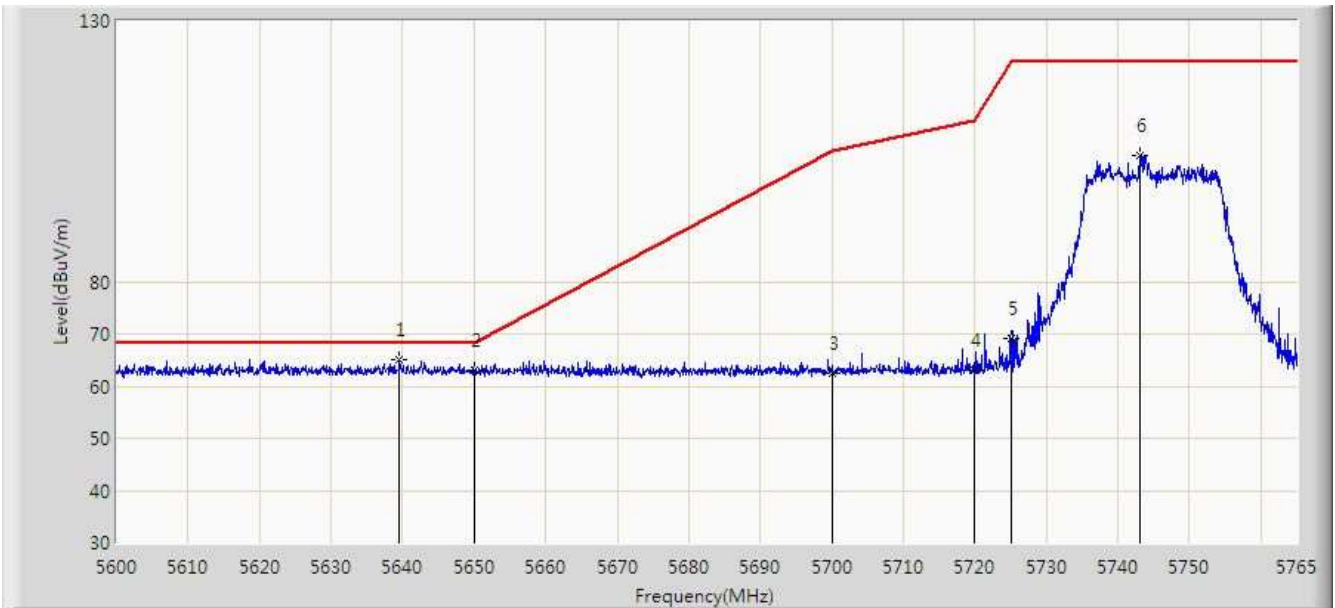


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.375	109.065	104.441	N/A	N/A	4.624	PK
2			5725.000	61.328	56.594	-6.872	68.200	4.734	PK
3			5737.910	67.418	62.635	-0.782	68.200	4.784	PK

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

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

Site: AC1	Time: 2019/11/01 - 21:56
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5745MHz (Beam-Forming Mode)	

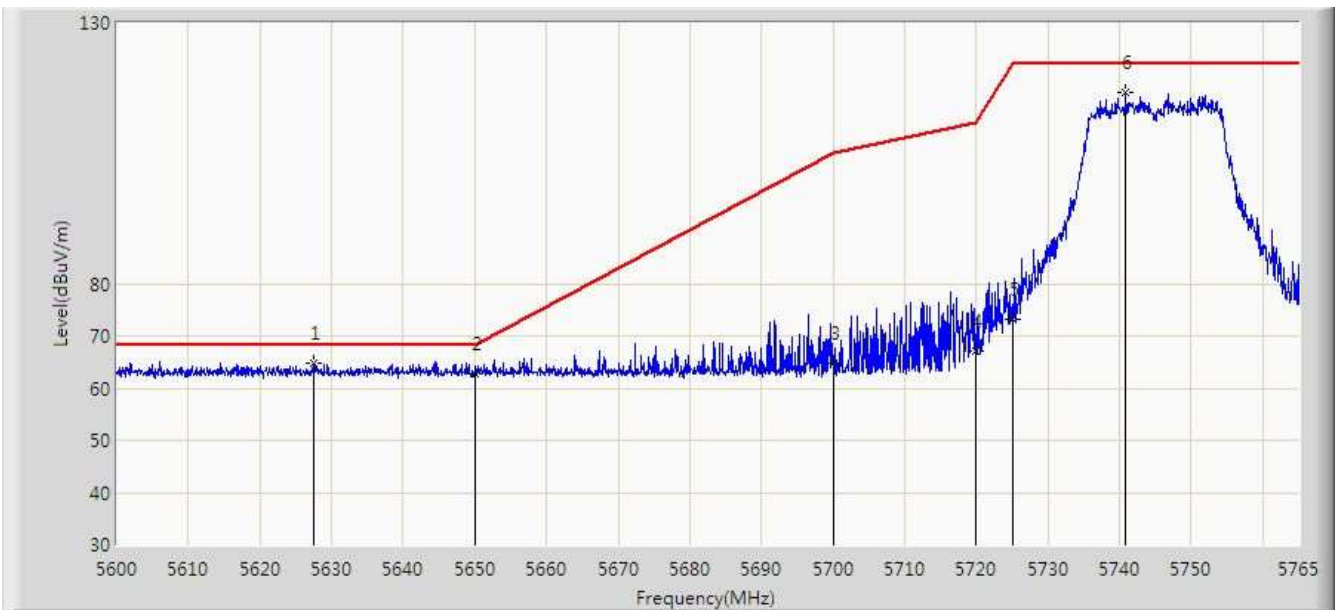


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5639.518	65.061	60.655	-3.139	68.200	4.406	PK
2			5650.000	62.945	58.499	-5.255	68.200	4.446	PK
3			5700.000	62.531	57.893	-42.669	105.200	4.638	PK
4			5720.000	63.027	58.312	-47.773	110.800	4.715	PK
5			5725.000	69.190	64.456	-53.010	122.200	4.734	PK
6			5743.055	104.293	99.490	N/A	N/A	4.803	PK

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

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

Site: AC1	Time: 2019/11/01 - 21:49
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5745MHz (Beam-Forming Mode)	

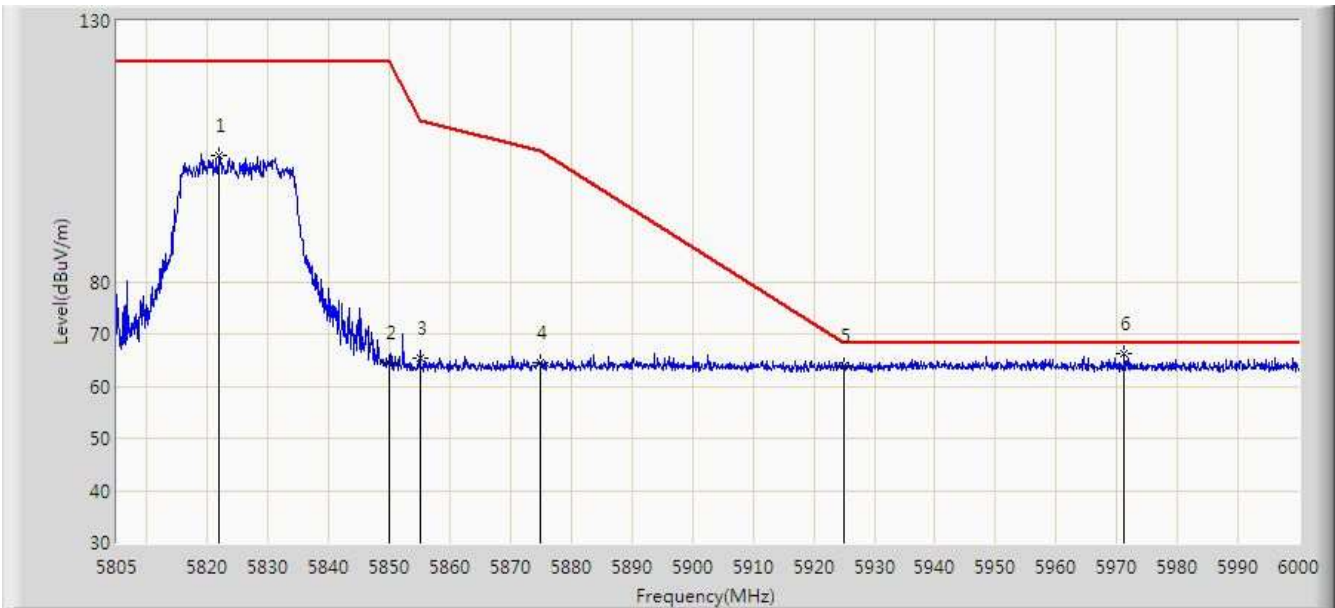


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5627.473	64.808	60.448	-3.392	68.200	4.359	PK
2			5650.000	62.843	58.397	-5.357	68.200	4.446	PK
3			5700.000	64.669	60.031	-40.531	105.200	4.638	PK
4			5720.000	67.064	62.349	-43.736	110.800	4.715	PK
5			5725.000	73.068	68.334	-49.132	122.200	4.734	PK
6			5740.828	116.761	111.966	N/A	N/A	4.794	PK

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

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

Site: AC1	Time: 2019/11/01 - 22:06
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5825MHz (Beam-Forming Mode)	

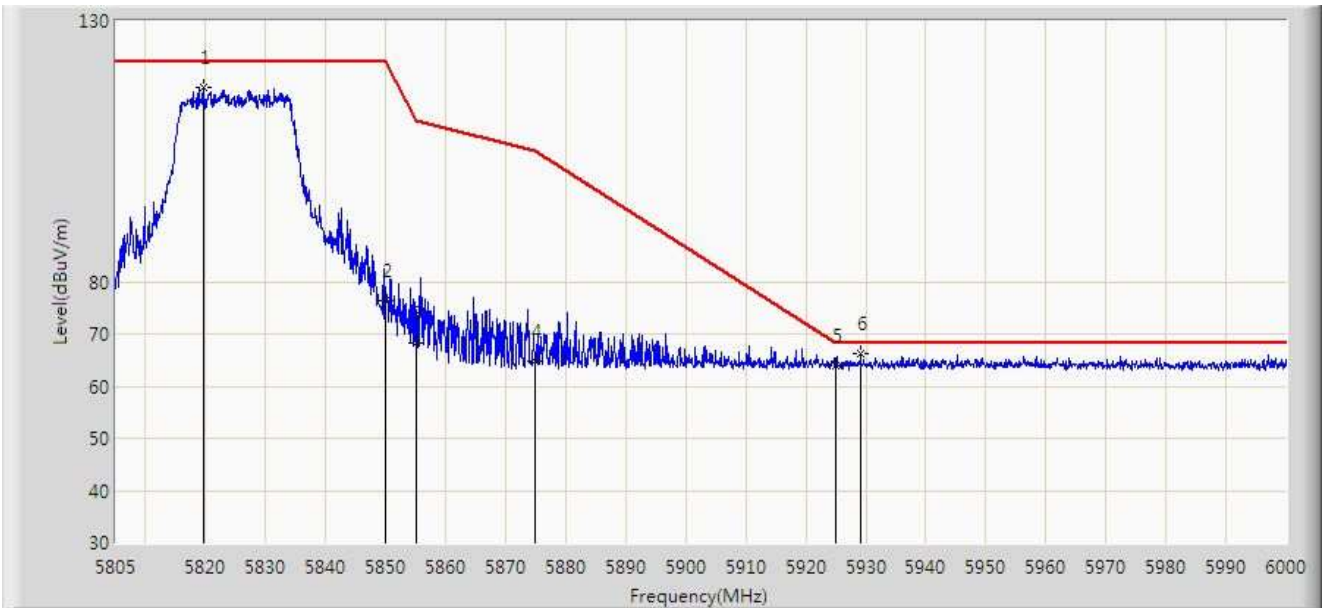


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5821.868	104.304	99.198	N/A	N/A	5.106	PK
2			5850.000	64.463	59.249	-57.737	122.200	5.214	PK
3			5855.000	65.487	60.254	-45.313	110.800	5.233	PK
4			5875.000	64.419	59.109	-40.781	105.200	5.310	PK
5			5925.000	63.836	58.334	-4.364	68.200	5.502	PK
6		*	5971.237	66.091	60.411	-2.109	68.200	5.680	PK

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

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

Site: AC1	Time: 2019/11/01 - 22:04
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE20 at channel 5825MHz (Beam-Forming Mode)	

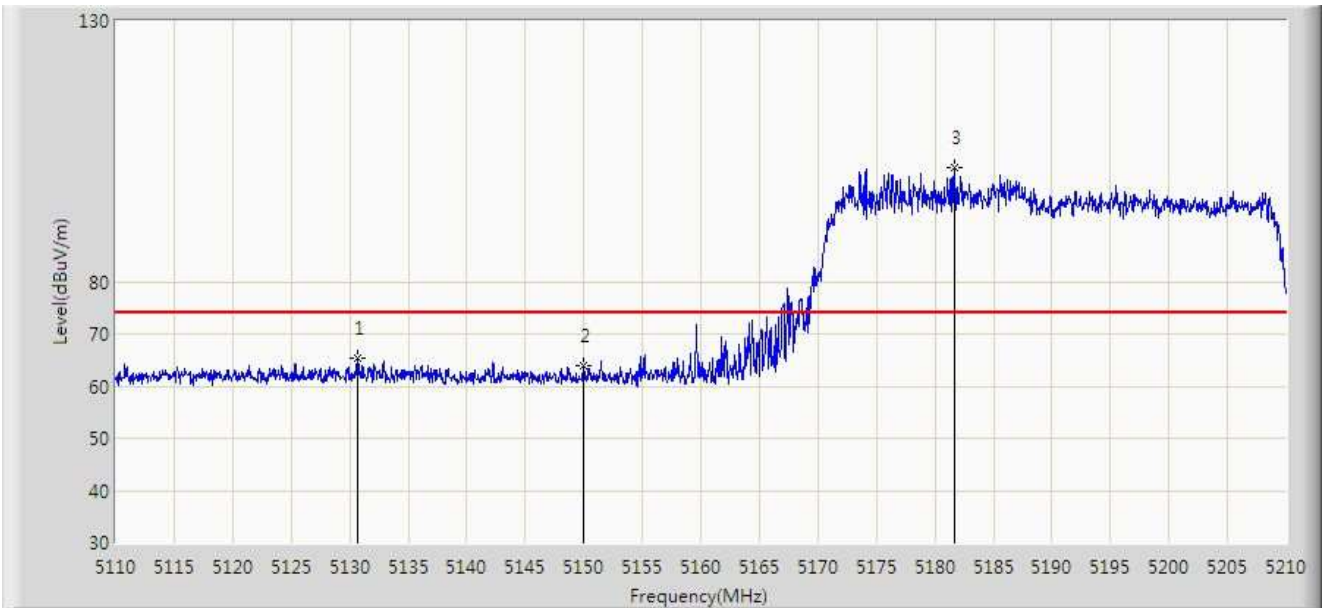


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5819.625	117.140	112.042	N/A	N/A	5.098	PK
2			5850.000	76.439	71.225	-45.761	122.200	5.214	PK
3			5855.000	68.260	63.027	-42.540	110.800	5.233	PK
4			5875.000	64.803	59.493	-40.397	105.200	5.310	PK
5			5925.000	64.006	58.504	-4.194	68.200	5.502	PK
6		*	5929.118	66.195	60.677	-2.005	68.200	5.517	PK

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

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

Site: AC1	Time: 2019/11/01 - 22:22
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE40 at channel 5190MHz (Beam-Forming Mode)	

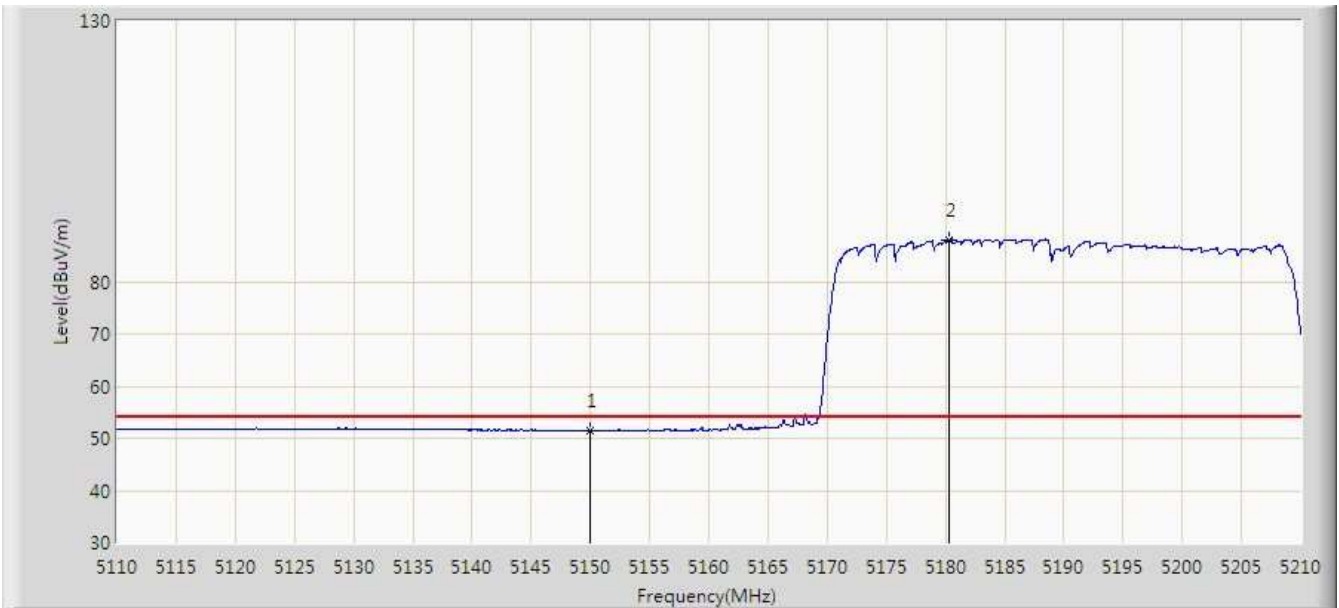


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5130.650	65.313	61.679	-8.687	74.000	3.634	PK
2			5150.000	63.777	60.131	-10.223	74.000	3.646	PK
3		*	5181.650	101.861	98.195	N/A	N/A	3.666	PK

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

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

Site: AC1	Time: 2019/11/01 - 22:23
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Horizontal
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE40 at channel 5190MHz (Beam-Forming Mode)	

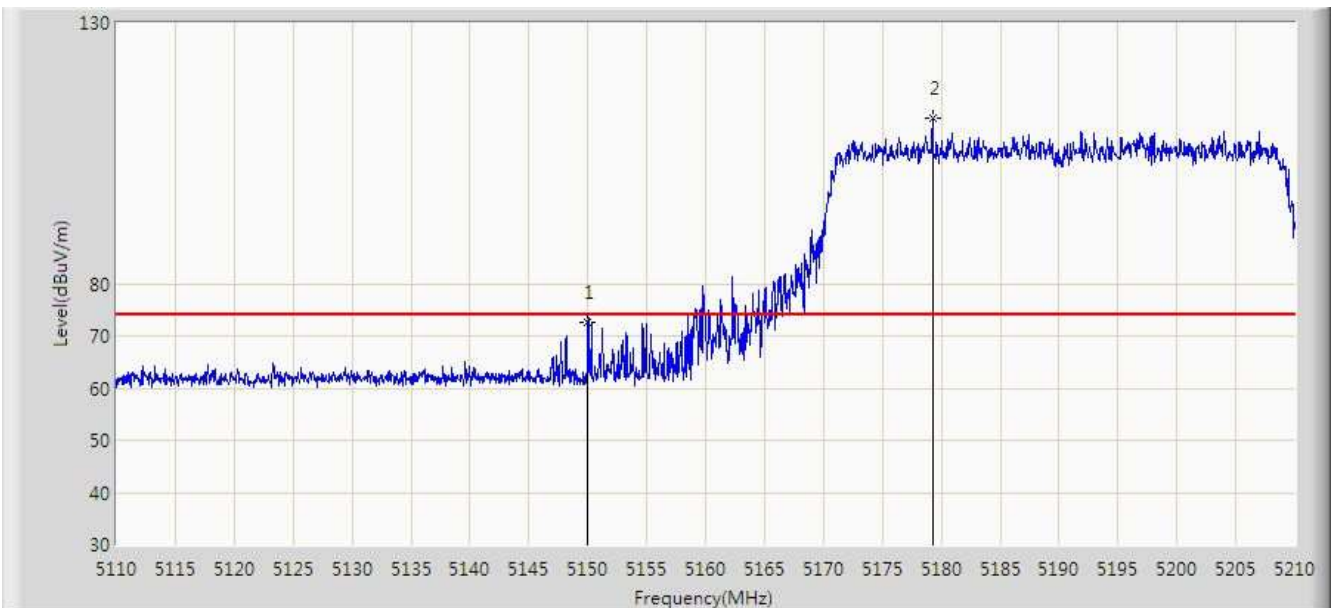


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.427	47.781	-2.573	54.000	3.646	AV
2		*	5180.250	87.959	84.294	N/A	N/A	3.665	AV

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

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

Site: AC1	Time: 2019/11/01 - 22:18
Limit: NCC LP0002_1GHz-40GHz_PK	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE40 at channel 5190MHz (Beam-Forming Mode)	

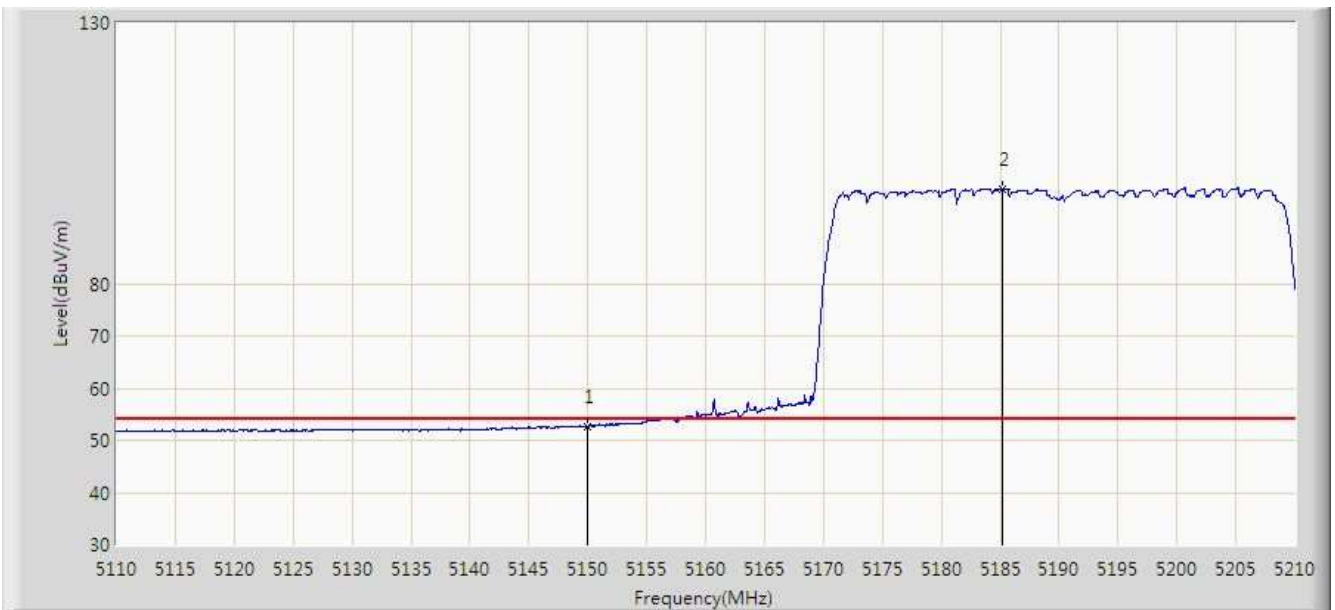


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	72.626	68.980	-1.374	74.000	3.646	PK
2		*	5179.250	111.617	107.953	N/A	N/A	3.664	PK

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

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

Site: AC1	Time: 2019/11/01 - 22:20
Limit: NCC LP0002_1GHz-40GHz_AV	Engineer: Kevin Ker
Probe: BBHA 9120D	Polarity: Vertical
EUT: AX3000 Gigabit Wi-Fi 6 路由器	Power: AC 110V/60Hz
測試模式: Transmit by 802.11ax-HE40 at channel 5190MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Margin (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.651	49.005	-1.349	54.000	3.646	AV
2		*	5185.150	98.196	94.528	N/A	N/A	3.669	AV

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

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