



NCC

低功率射頻電機型式試驗報告

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

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修訂紀錄

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1. 一般資訊

申請者	聯洲國際有限公司
申請者地址	新北市板橋區中山路一段 156 號 13 樓
製造商	普聯技術有限公司
製造商地址	深圳市南山區深南路科技園工業廠房 24 棟南段 1 層、3-5 層、28 棟北段 1-4 層
實驗室	台灣曼瑞檢測科技有限公司
實驗室地址	33377 台灣桃園市龜山區復興二路 38 號
實驗室資訊	1. MRT facility is a FCC registered (Reg. No. 291082) test facility with the site description report on file and is designated by the FCC as an Accredited Test 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	AX6000 次世代 Wi-Fi 路由器
產品型號	Archer AX6000
待測物額定電壓	AC adapter input
無線規格	802.11b/g/n/ac/ax
頻率範圍	802.11b/g/n-HT20/ac-VHT20/ax-HE20: 2412 ~ 2462MHz 802.11n-HT40/ac-VHT40/ax-HE40: 2422 ~ 2452MHz
通道數量	802.11b/g/n-HT20/ac-VHT20/ax-HE20: 11 802.11n-HT40/ac-VHT40/ax-HE40: 7
調變模式	DSSS for IEEE 802.11 b, OFDM for IEEE 802.11g/n/ac, OFDMA for IEEE 802.11ax
傳輸速率	802.11b: 1/2/5.5/11Mbps 802.11g: 6/9/12/18/24/36/48/54Mbps 802.11n: up to 600Mbps 802.11ac: up to 1000Mbps 802.11ax: up to 1148Mbps
頻道控制	Auto
附件	
Adapter	MODEL: S050FU1200400 INPUT: 100 - 240V ~ 50/60Hz 1.5A Max. OUTPUT: DC 12.0V 4000mA

2.2. 通道清單

802.11b/g/n-HT20/ac-VHT20/ax-HE20

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

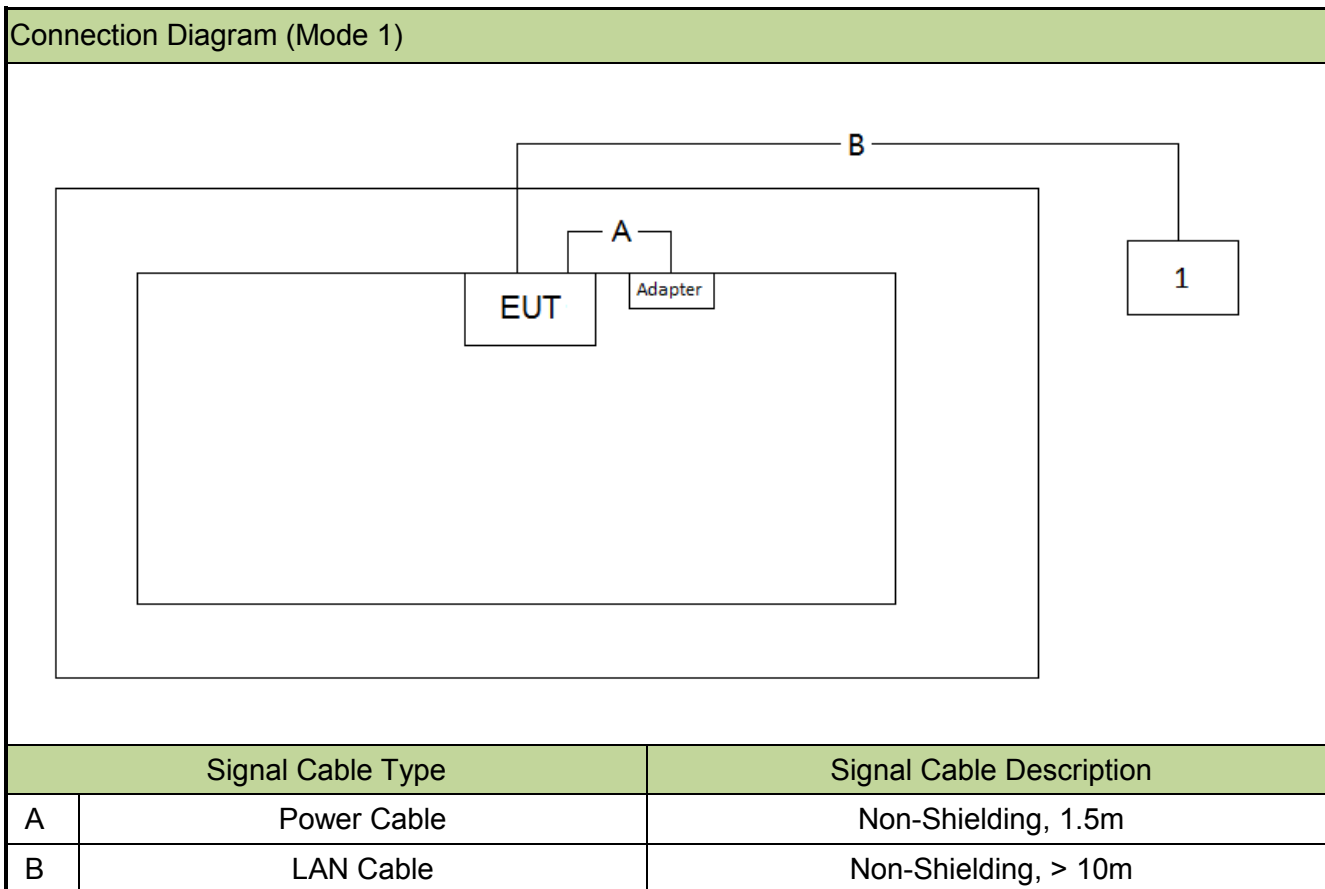
802.11n-HT40/ac-VHT40/ax-HE40

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

2.3. 測試模式

Mode 1: 發射器 802.11b (1Mbps) (CDD Mode)
Mode 2: 發射器 802.11g (6Mbps) (CDD Mode)
Mode 3: 發射器 802.11n-HT20 (MCS0) (CDD Mode)
Mode 4: 發射器 802.11n-HT40 (MCS0) (CDD Mode)
Mode 5: 發射器 802.11ac-VHT20 (MCS0) (CDD Mode)
Mode 6: 發射器 802.11ac-VHT40 (MCS0) (CDD Mode)
Mode 7: 發射器 802.11ax-HE20 (MCS0) (CDD Mode)
Mode 8: 發射器 802.11ax-HE40 (MCS0) (CDD Mode)
Mode 9: 發射器 802.11ac-VHT20 (MCS0) (BF Mode)
Mode 10: 發射器 802.11ac-VHT40 (MCS0) (BF Mode)
Mode 11: 發射器 802.11ax-HE20 (MCS0) (BF Mode)
Mode 12: 發射器 802.11ax-HE40 (MCS0) (BF Mode)

2. 4. 測試系統組合圖



2. 5. 測試周邊

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

2. 6. 待測裝置測試時之典型操作程式

1.	Setup the EUT and simulators as shown on 2.4
2.	Turn on the power of all equipment.
3.	Execute "accessMTool v3.1.0.1" 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

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

Radiated Emissions

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

Conducted Test Equipment

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

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

5. 測試結果

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

章節	量測項目	限制值	測試結果	測試數據
2.3	電源傳導	低功率射頻電機技術規範 2.3 節	符合	第 5.1 章節
3.10.1.2	峰值傳導輸出功率	$\leq 30.00\text{dBm}$	符合	第 5.2 章節
3.10.1.3	天線之要求	低功率射頻電機技術規範 3.10.1.3 節	符合	第 5.3 章節
3.10.1.5	帶外發射限制	$\leq 30\text{dBc(Average)}$	符合	第 5.4 章節
2.7	輻射電場強度	低功率射頻電機技術規範 2.8 節	符合	第 5.5 章節
2.7	頻帶邊緣	$\leq 74\text{dBuV/m(Peak)}$ $\leq 54\text{dBuV/m(Average)}$	符合	第 5.6 章節
3.10.1.6(2)(A)	佔用頻寬	$\geq 500\text{kHz}$	符合	第 5.7 章節
3.10.1.6(2)(B)	功率頻譜密度	$\leq 8\text{dBm}$	符合	第 5.8 章節

5.1. 電源端點干擾測試

5.1.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 2.3 節，以市電為電源之低功率射頻電機，其傳導回電源線上頻率自 150kHz 至 30MHz 之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限值。測量時應經過 50 微亨利(μH)及 50 歐姆(Ω)之電源線阻抗模擬網路(LISN)。頻率重疊處，以較低限值為準。

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

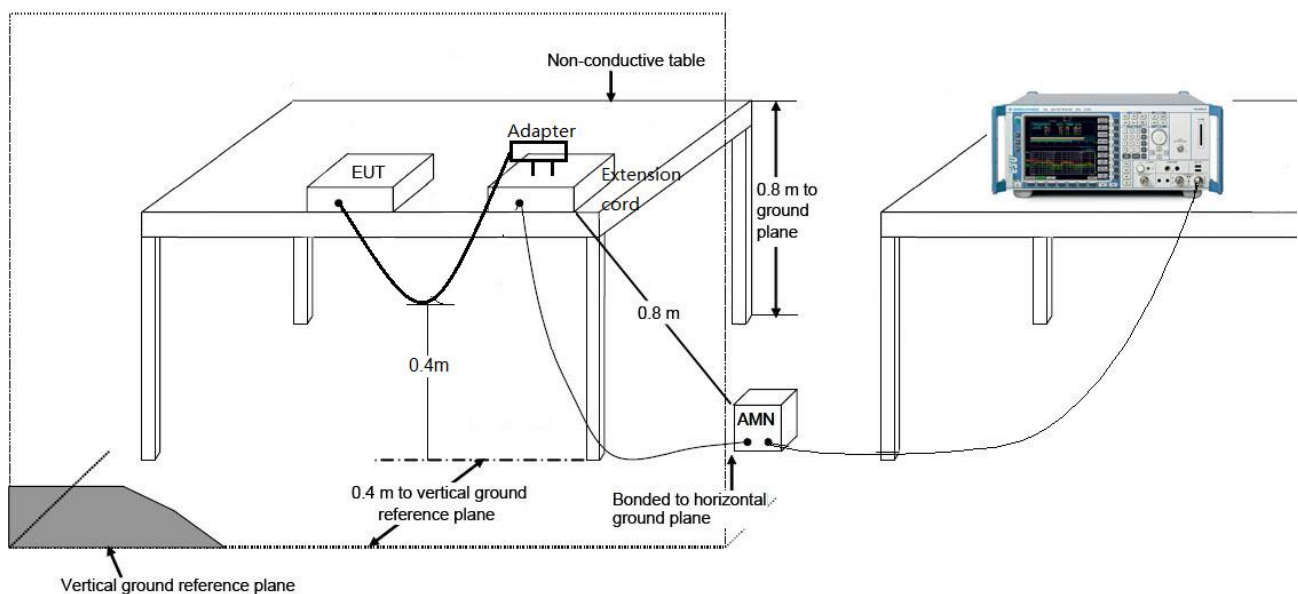
註:隨頻率之對數遞減

5.1.2. 量測方法

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

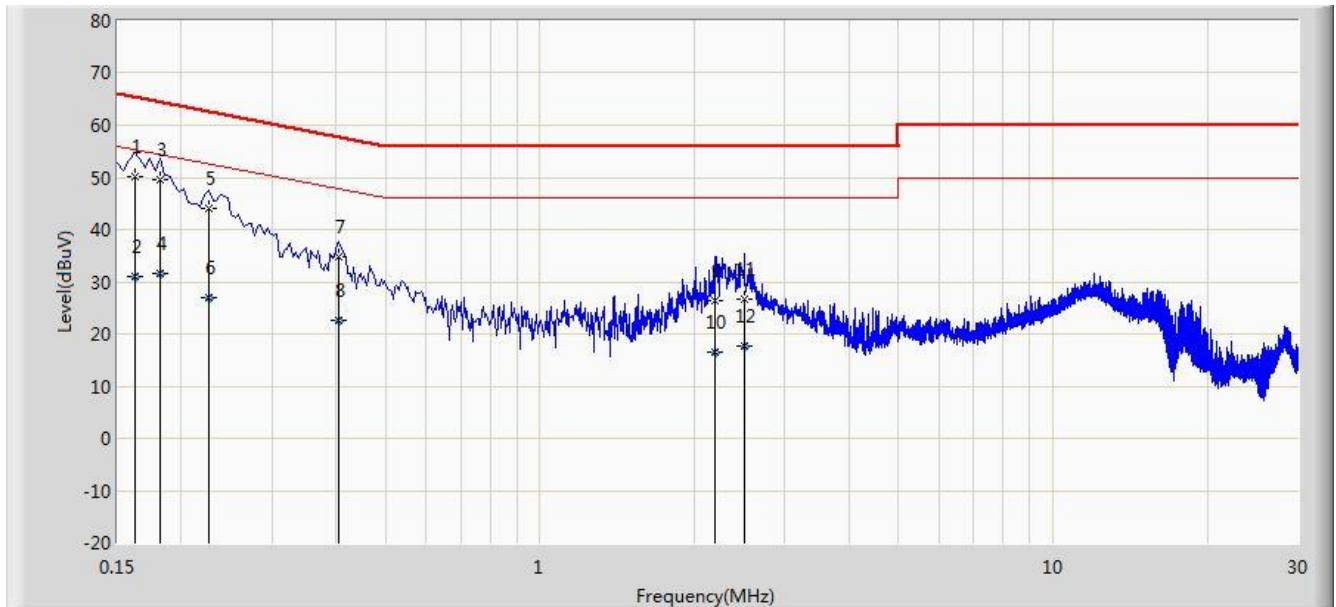
備 註: 經初測驗證過，電源端點干擾測試對測試頻道數並無差異，因此檢附其中一個測試頻道之測試數。

5.1.3. 測試架構圖



5.1.4. 電源端點測試結果

Site: SR2	Time: 2019/02/21 - 11:33
Limit: NCC LP0002_CE_0.15MHz-30MHz	Engineer: Kevin Ker
Probe: ENV216_Filter On	Polarity: Line
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
Test Mode: Worst case Mode	

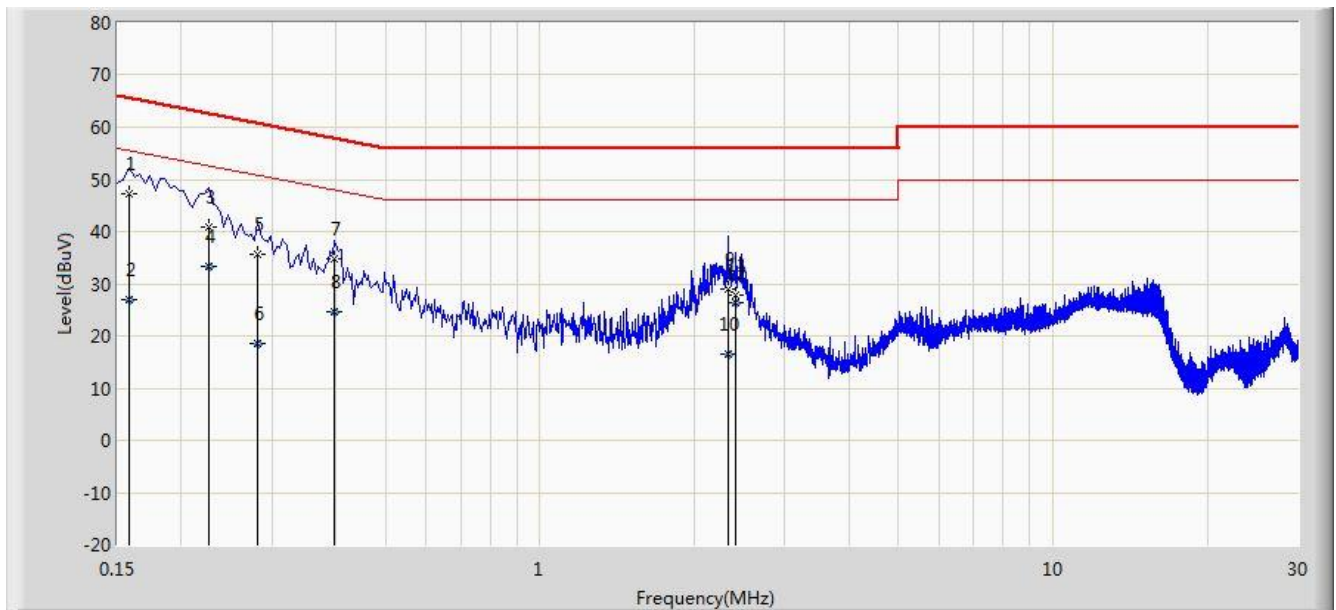


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1			0.162	50.123	40.088	-15.238	65.361	10.035	QP
2			0.162	31.127	21.092	-24.234	55.361	10.035	AV
3		*	0.182	49.697	39.637	-14.697	64.394	10.060	QP
4			0.182	31.582	21.522	-22.812	54.394	10.060	AV
5			0.226	44.066	34.110	-18.530	62.595	9.955	QP
6			0.226	27.027	17.071	-25.569	52.595	9.955	AV
7			0.406	34.708	24.664	-23.022	57.730	10.043	QP
8			0.406	22.515	12.471	-25.215	47.730	10.043	AV
9			2.190	26.329	16.473	-29.671	56.000	9.856	QP
10			2.190	16.602	6.746	-29.398	46.000	9.856	AV
11			2.502	26.779	16.935	-29.221	56.000	9.844	QP
12			2.502	17.801	7.957	-28.199	46.000	9.844	AV

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

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

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



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		*	0.158	47.265	37.083	-18.304	65.568	10.182	QP
2			0.158	26.943	16.761	-28.626	55.568	10.182	AV
3			0.226	40.832	30.883	-21.763	62.595	9.949	QP
4			0.226	33.349	23.400	-19.246	52.595	9.949	AV
5			0.282	35.529	25.545	-25.228	60.757	9.984	QP
6			0.282	18.593	8.609	-32.164	50.757	9.984	AV
7			0.398	34.886	24.830	-23.009	57.895	10.056	QP
8			0.398	24.771	14.715	-23.124	47.895	10.056	AV
9			2.330	28.897	19.047	-27.103	56.000	9.850	QP
10			2.330	16.401	6.551	-29.599	46.000	9.850	AV
11			2.410	27.951	18.103	-28.049	56.000	9.848	QP
12			2.410	26.255	16.407	-19.745	46.000	9.848	AV

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

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

5.2. 峰值傳導輸出功率

5.2.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.2(1)(C)節，操作於 2400-2483.5 MHz 之數位調變的發射器材：1 瓦(W)(含)以下。

依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.3 節，天線增益限制如下：

(1) 操作於 2400 MHz~2483.5 MHz 頻段：

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

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

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

(a) 非同時發射多向波束者，所有載波或頻道傳輸至所有天線陣列或陣列群之總和傳導輸出功率應符合 3.10.1.2 之功率限制值。如天線/天線陣列群之方向性增益超過 6 dBi，每超過 3 dBi，總和傳導輸出功率限制值應降低 1 dB。方向性增益值應計算如下：

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

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

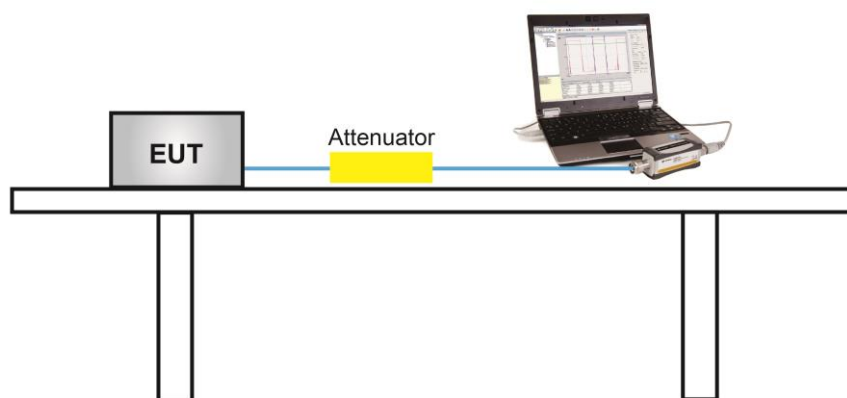
同時發射多向波束於相同或不同頻道者，其每一波束功率應符合(a)之功率限制值。如發射波束有重疊現象，功率應降低，以確保總和傳導輸出功率符合(a)之限制值。同時發射的所有波束總和傳導輸出功率不大於(a) 總和傳導輸出功率限制值加 8 dB。方向性增益值計算同(a)。

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

5.2.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，設定頻譜分析儀之解析度頻寬大於 6dB 發射頻寬或使用峰值功率表。

5.2.3. 測試架構圖



5.2.4. 峰值傳導輸出功率測試結果

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

For Ant 0 / Ant 0 + 1 + 2 + 3 port

Test Mode	Bandwidth (MHz)	Channel No.	Frequency (MHz)	Data Rate/ MCS	Average Power (dBm)
802.11b	20	6	2437	1Mbps	23.30
				5.5Mbps	23.11
				11Mbps	22.96
802.11g	20	6	2437	6Mbps	23.46
				24Mbps	23.23
				54Mbps	23.01
802.11n	20	6	2437	MCS0	23.81
				MCS3	23.58
				MCS7	23.27
802.11n	40	6	2437	MCS0	20.29
				MCS3	20.06
				MCS7	19.84
802.11ac	20	6	2437	MCS0	23.49
				MCS4	23.20
				MCS8	22.89
802.11ac	40	6	2437	MCS0	21.16
				MCS5	20.94
				MCS9	20.85
802.11ax	20	6	2437	MCS0	23.61
				MCS5	23.38
				MCS11	23.04
802.11ax	40	6	2437	MCS0	19.89
				MCS5	19.67
				MCS11	19.38

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	SR1	測試日期	2019/01/29
測試項目	Output Power		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
CDD Mode										
802.11b	1Mbps	01	2412	23.40	23.97	23.35	24.17	29.76	≤ 30.00	Pass
802.11b	1Mbps	06	2437	23.30	23.59	23.40	24.12	29.63	≤ 30.00	Pass
802.11b	1Mbps	11	2462	23.13	23.85	23.33	23.95	29.60	≤ 30.00	Pass
802.11g	6Mbps	01	2412	21.59	21.75	21.25	21.31	27.50	≤ 30.00	Pass
802.11g	6Mbps	06	2437	23.46	23.65	23.31	23.65	29.54	≤ 30.00	Pass
802.11g	6Mbps	11	2462	19.88	20.08	19.64	20.46	26.05	≤ 30.00	Pass
802.11n-HT20	MCS0	01	2412	19.68	19.74	19.49	19.39	25.60	≤ 30.00	Pass
802.11n-HT20	MCS0	06	2437	23.81	24.00	23.43	23.79	29.78	≤ 30.00	Pass
802.11n-HT20	MCS0	11	2462	18.86	19.29	18.87	19.07	25.05	≤ 30.00	Pass
802.11n-HT40	MCS0	03	2422	18.80	18.73	18.65	19.17	24.86	≤ 30.00	Pass
802.11n-HT40	MCS0	06	2437	20.29	20.64	20.53	21.29	26.72	≤ 30.00	Pass
802.11n-HT40	MCS0	09	2452	17.98	18.12	18.08	19.03	24.34	≤ 30.00	Pass
802.11ac-VHT20	MCS0	01	2412	20.40	20.38	20.27	20.57	26.43	≤ 30.00	Pass
802.11ac-VHT20	MCS0	06	2437	23.49	23.75	23.47	23.70	29.62	≤ 30.00	Pass
802.11ac-VHT20	MCS0	11	2462	20.49	20.51	20.13	20.58	26.45	≤ 30.00	Pass
802.11ac-VHT40	MCS0	03	2422	18.41	18.51	18.48	18.78	24.57	≤ 30.00	Pass
802.11ac-VHT40	MCS0	06	2437	21.16	21.14	21.50	21.70	27.40	≤ 30.00	Pass
802.11ac-VHT40	MCS0	09	2452	18.52	18.95	18.87	19.53	25.00	≤ 30.00	Pass
802.11ax-HE20	MCS0	01	2412	18.75	19.20	18.59	19.07	24.93	≤ 30.00	Pass
802.11ax-HE20	MCS0	06	2437	23.61	23.93	23.43	23.65	29.68	≤ 30.00	Pass
802.11ax-HE20	MCS0	11	2462	19.83	19.83	19.75	19.71	25.80	≤ 30.00	Pass
802.11ax-HE40	MCS0	03	2422	18.17	18.83	18.59	19.23	24.74	≤ 30.00	Pass
802.11ax-HE40	MCS0	06	2437	19.89	20.40	20.21	20.84	26.37	≤ 30.00	Pass
802.11ax-HE40	MCS0	09	2452	18.80	19.19	18.92	19.61	25.16	≤ 30.00	Pass

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Ant 2 Average Power (dBm)	Ant 3 Average Power (dBm)	Total Average Power (dBm)	Limit (dBm)	Result
Beam-Forming Mode										
802.11ac-VHT20	MCS0	01	2412	19.47	19.48	19.17	19.54	25.44	≤ 28.82	Pass
802.11ac-VHT20	MCS0	06	2437	22.56	22.72	22.51	22.24	28.53	≤ 28.82	Pass
802.11ac-VHT20	MCS0	11	2462	19.11	19.64	19.18	19.29	25.33	≤ 28.82	Pass
802.11ac-VHT40	MCS0	03	2422	22.29	22.52	22.54	23.02	28.62	≤ 28.82	Pass
802.11ac-VHT40	MCS0	06	2437	20.25	20.63	20.30	21.00	26.58	≤ 28.82	Pass
802.11ac-VHT40	MCS0	09	2452	20.42	20.28	20.70	21.11	26.66	≤ 28.82	Pass
802.11ax-HE20	MCS0	01	2412	18.49	18.71	18.43	18.33	24.51	≤ 28.82	Pass
802.11ax-HE20	MCS0	06	2437	22.51	22.55	22.34	23.04	28.64	≤ 28.82	Pass
802.11ax-HE20	MCS0	11	2462	17.43	17.83	17.29	17.44	23.52	≤ 28.82	Pass
802.11ax-HE40	MCS0	03	2422	19.97	20.38	20.53	21.15	26.55	≤ 28.82	Pass
802.11ax-HE40	MCS0	06	2437	20.25	20.85	20.81	21.36	26.86	≤ 28.82	Pass
802.11ax-HE40	MCS0	09	2452	21.15	21.41	21.65	21.75	27.52	≤ 28.82	Pass

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ (dBm).

Note 2: For CDD Mode, Average Power Limit (dBm) = 30dBm

For Beam-Forming Mode, Average Power Limit (dBm) = 30 dBm - (7.18 dBi - 6 dBi) = 28.82dBm.

5.3. 天線之要求

5.3.1. 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。

5.3.2. 天線樣式

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

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

Note:

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

5.4. 輻射干擾測試

5.4.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.5 節，使用頻帶範圍外之任意 100 千赫 (kHz)內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz)內的射頻功率，衰減值限制如下：

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

(2)輸出功率以低功率射頻電機技術規範 3.10.1(2)(2.3)之最大傳導輸出功率量測方式者，至少須衰減 30 dB。

此外，落於第 2.7 節禁用頻段之輻射發射，應符合第 2.8 節之規定。

依據國家通訊傳播委員會低功率射頻電機技術規範之第 2.8 節，低功率射頻電機，除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻 率(兆赫)	電場強度(微伏/公尺)	測距(公尺)
0.009 - 0.490(含)	2,400/頻率(千赫)	300
0.490 (不含) - 1.705 (含)	24,000/頻率(千赫)	30
1.705(不含) - 30 (不含)	30	30
30 (含) - 88 (含)	100	3
88 (不含) - 216 (含)	150	3
216 (不含) - 960 (含)	200	3
960 (不含)以上	500	3

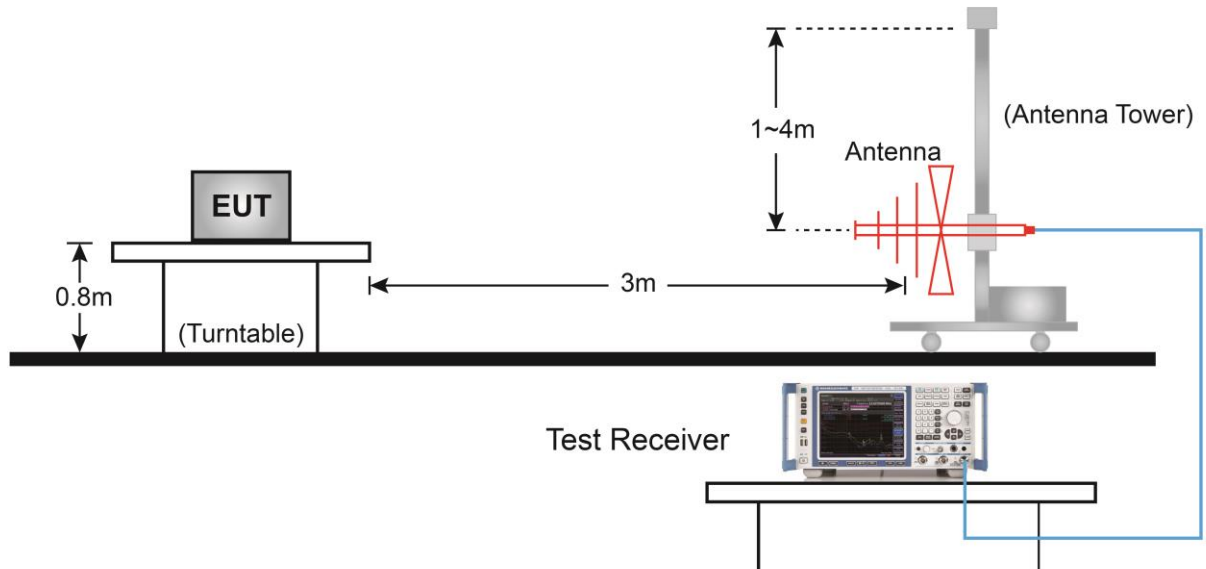
上表規定之電場強度，頻率在 9-90kHz 千赫(kHz)、110-490 千赫(kHz)以及 1000 兆赫(MHz)以上之發射，其量測以平均值檢波器為基準，且須符合第 5.14 節之規定；其他頻率之發射，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時須符合第 5.5 節之規定，而輻射發射之量測頻率範圍須符合第 5.12 節之規定。

5.4.2. 量測方法

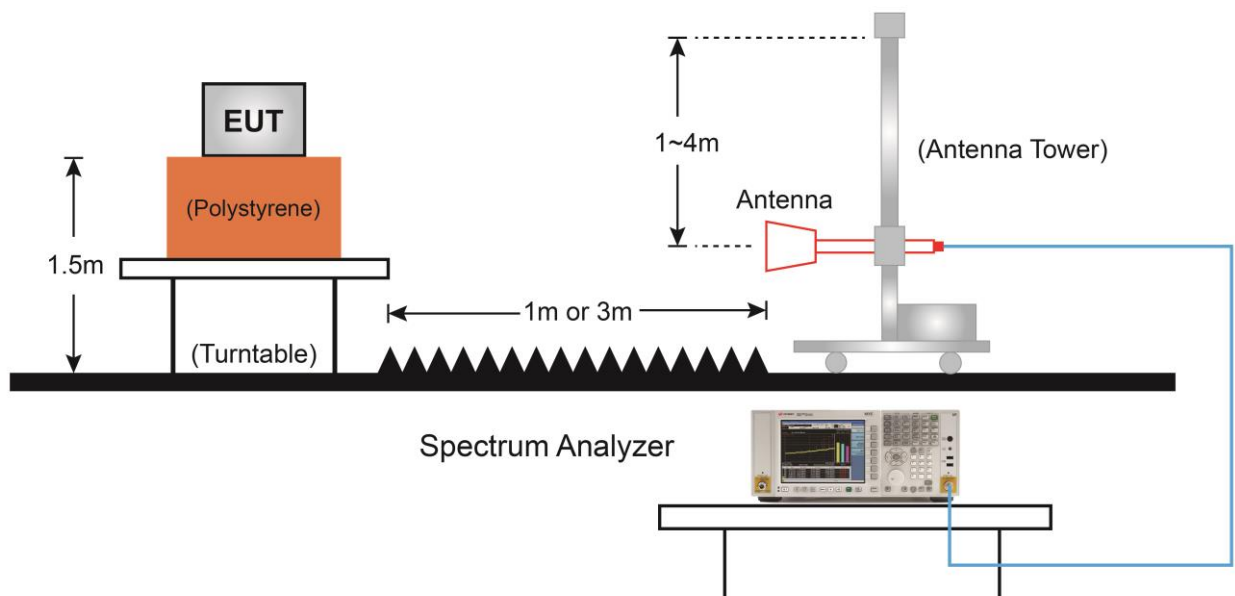
低頻待測物置於高 80 公分之非導體桌面（落地型產品置於地上），高頻待測物置於高 150 公分之非導體桌面，受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度。接收天線並應於水準及垂直極化方向各量測一次。

5.4.3. 測試架構圖

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.4.4. 輻射干擾測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11b - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	01
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	46.3	3.7	50.0	74.0	-24.0	Peak	Horizontal
	7528.0	36.0	12.8	48.8	74.0	-25.2	Peak	Horizontal
*	8905.0	35.5	14.0	49.5	89.3	-39.8	Peak	Horizontal
*	9942.0	37.4	15.3	52.7	89.3	-36.6	Peak	Horizontal
	4825.0	53.3	3.7	57.0	74.0	-17.0	Peak	Vertical
	4825.0	49.8	3.7	53.5	54.0	-0.5	Average	Vertical
	7630.0	36.7	12.6	49.3	74.0	-24.7	Peak	Vertical
*	8624.5	35.1	13.5	48.6	89.3	-40.7	Peak	Vertical
*	9848.5	35.4	16.1	51.5	89.3	-37.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.3dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11b - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	51.7	3.7	55.4	74.0	-18.6	Peak	Horizontal
	4876.0	49.8	3.7	53.5	54.0	-0.5	Average	Horizontal
	7519.5	36.3	12.8	49.1	74.0	-24.9	Peak	Horizontal
*	9984.5	37.1	15.4	52.5	87.9	-35.4	Peak	Horizontal
*	10316.0	36.3	16.7	53.0	87.9	-34.9	Peak	Horizontal
	4876.0	48.6	3.7	52.3	74.0	-21.7	Peak	Vertical
	7451.5	36.3	12.8	49.1	74.0	-24.9	Peak	Vertical
*	8658.5	35.3	13.6	48.9	87.9	-39.0	Peak	Vertical
*	9984.5	37.6	15.4	53.0	87.9	-34.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.9dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11b - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	11
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4918.5	54.4	3.7	58.1	74.0	-15.9	Peak	Horizontal
	4918.5	49.9	3.7	53.6	54.0	-0.4	Average	Horizontal
	7519.5	37.0	12.8	49.8	74.0	-24.2	Peak	Horizontal
*	8752.0	35.8	13.9	49.7	90.5	-40.8	Peak	Horizontal
*	9942.0	36.6	15.3	51.9	90.5	-38.6	Peak	Horizontal
	4918.5	54.2	3.7	57.9	74.0	-16.1	Peak	Vertical
	4918.5	49.9	3.7	53.6	54.0	-0.4	Average	Vertical
	7417.5	36.3	12.6	48.9	74.0	-25.1	Peak	Vertical
*	8879.5	35.4	14.0	49.4	90.5	-41.1	Peak	Vertical
*	10282.0	36.3	16.5	52.8	90.5	-37.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.5dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11g - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	01
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	41.4	3.7	45.1	74.0	-28.9	Peak	Horizontal
	7494.0	36.4	12.8	49.2	74.0	-24.8	Peak	Horizontal
*	8692.5	34.7	13.7	48.4	89.3	-40.9	Peak	Horizontal
*	9908.0	36.9	15.3	52.2	89.3	-37.1	Peak	Horizontal
	4816.5	46.9	3.7	50.6	74.0	-23.4	Peak	Vertical
	7621.5	36.5	12.6	49.1	74.0	-24.9	Peak	Vertical
*	8582.0	35.2	13.4	48.6	89.3	-40.7	Peak	Vertical
*	9831.5	36.6	15.9	52.5	89.3	-36.8	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (119.3dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11g - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4867.5	52.2	3.7	55.9	74.0	-18.1	Peak	Horizontal
	4867.5	49.8	3.7	53.5	54.0	-0.5	Average	Horizontal
	7621.5	36.8	12.6	49.4	74.0	-24.6	Peak	Horizontal
*	8837.0	34.9	14.0	48.9	90.7	-41.8	Peak	Horizontal
*	10001.5	37.0	15.4	52.4	90.7	-38.3	Peak	Horizontal
	4876.0	48.5	3.7	52.2	74.0	-21.8	Peak	Vertical
	7417.5	36.3	12.6	48.9	74.0	-25.1	Peak	Vertical
*	8905.0	35.5	14.0	49.5	90.7	-41.2	Peak	Vertical
*	10273.5	36.4	16.5	52.9	90.7	-37.8	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.7BμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11g - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	11
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	44.5	3.7	48.2	74.0	-25.8	Peak	Horizontal
	7596.0	36.8	12.7	49.5	74.0	-24.5	Peak	Horizontal
*	8786.0	33.2	13.9	47.1	86.6	-39.5	Peak	Horizontal
*	9899.5	36.6	15.4	52.0	86.6	-34.6	Peak	Horizontal
	4918.5	45.4	3.7	49.1	74.0	-24.9	Peak	Vertical
	7528.0	36.5	12.8	49.3	74.0	-24.7	Peak	Vertical
*	8896.5	36.1	14.0	50.1	86.6	-36.5	Peak	Vertical
*	10001.5	37.7	15.4	53.1	86.6	-33.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.6dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	01
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4961.0	26.8	16.4	43.2	74.0	-30.8	Peak	Horizontal
	7579.0	28.0	20.5	48.5	74.0	-25.5	Peak	Horizontal
*	8701.0	27.8	21.2	49.0	85.4	-36.4	Peak	Horizontal
*	10069.5	32.5	21.4	53.9	85.4	-31.5	Peak	Horizontal
	4825.0	42.2	3.7	45.9	74.0	-28.1	Peak	Vertical
	7460.0	36.6	12.8	49.4	74.0	-24.6	Peak	Vertical
*	8820.0	34.2	14.0	48.2	85.4	-37.2	Peak	Vertical
*	10299.0	36.4	16.6	53.0	85.4	-32.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.4dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	47.0	3.7	50.7	74.0	-23.3	Peak	Horizontal
	7638.5	37.3	12.6	49.9	74.0	-24.1	Peak	Horizontal
*	8811.5	34.4	14.0	48.4	89.7	-41.3	Peak	Horizontal
*	10307.5	36.9	16.6	53.5	89.7	-36.2	Peak	Horizontal
	4876.0	49.0	3.7	52.7	74.0	-21.3	Peak	Vertical
	7400.5	36.5	12.6	49.1	74.0	-24.9	Peak	Vertical
*	8667.0	34.4	13.6	48.0	89.7	-41.7	Peak	Vertical
*	10086.5	34.7	15.7	50.4	89.7	-39.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.7dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11n-HT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	11
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	41.3	3.7	45.0	74.0	-29.0	Peak	Horizontal
	7485.5	35.6	12.8	48.4	74.0	-25.6	Peak	Horizontal
*	8684.0	35.2	13.7	48.9	85.4	-36.5	Peak	Horizontal
*	10494.5	37.3	17.2	54.5	85.4	-30.9	Peak	Horizontal
	4935.5	40.8	3.7	44.5	74.0	-29.5	Peak	Vertical
	7477.0	35.9	12.8	48.7	74.0	-25.3	Peak	Vertical
*	8896.5	35.5	14.0	49.5	85.4	-35.9	Peak	Vertical
*	10273.5	36.5	16.5	53.0	85.4	-32.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.4dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	03
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4689.0	38.3	3.5	41.8	74.0	-32.2	Peak	Horizontal
	7519.5	36.0	12.8	48.8	74.0	-25.2	Peak	Horizontal
*	8828.5	35.3	14.0	49.3	80.6	-31.3	Peak	Horizontal
*	10086.5	36.7	15.7	52.4	80.6	-28.2	Peak	Horizontal
	4842.0	39.7	3.7	43.4	74.0	-30.6	Peak	Vertical
	7434.5	36.7	12.7	49.4	74.0	-24.6	Peak	Vertical
*	8769.0	34.2	13.9	48.1	80.6	-32.5	Peak	Vertical
*	10001.5	37.2	15.4	52.6	80.6	-28.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (110.6dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4867.5	39.9	3.7	43.6	74.0	-30.4	Peak	Horizontal
	7485.5	36.4	12.8	49.2	74.0	-24.8	Peak	Horizontal
*	8769.0	33.8	13.9	47.7	83.4	-35.7	Peak	Horizontal
*	9950.5	36.3	15.3	51.6	83.4	-31.8	Peak	Horizontal
	4859.0	41.7	3.7	45.4	74.0	-28.6	Peak	Vertical
	7477.0	36.0	12.8	48.8	74.0	-25.2	Peak	Vertical
*	8769.0	35.0	13.9	48.9	83.4	-34.5	Peak	Vertical
*	9967.5	35.2	15.3	50.5	83.4	-32.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.4dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11n-HT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	09
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4986.5	39.5	3.8	43.3	74.0	-30.7	Peak	Horizontal
	7621.5	35.8	12.6	48.4	74.0	-25.6	Peak	Horizontal
*	8871.0	35.2	14.0	49.2	81.9	-32.7	Peak	Horizontal
*	10010.0	37.0	15.4	52.4	81.9	-29.5	Peak	Horizontal
	5105.5	39.1	4.2	43.3	74.0	-30.7	Peak	Vertical
	7511.0	36.7	12.8	49.5	74.0	-24.5	Peak	Vertical
*	8769.0	35.1	13.9	49.0	81.9	-32.9	Peak	Vertical
*	9942.0	36.5	15.3	51.8	81.9	-30.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.9dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	01
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	37.9	3.7	41.6	74.0	-32.4	Peak	Horizontal
	7604.5	36.4	12.7	49.1	74.0	-24.9	Peak	Horizontal
*	8684.0	35.6	13.7	49.3	85.7	-36.4	Peak	Horizontal
*	10018.5	37.1	15.4	52.5	85.7	-33.2	Peak	Horizontal
	4927.0	39.7	3.7	43.4	74.0	-30.6	Peak	Vertical
	7485.5	36.2	12.8	49.0	74.0	-25.0	Peak	Vertical
*	8888.0	36.5	14.0	50.5	85.7	-35.2	Peak	Vertical
*	10018.5	37.1	15.4	52.5	85.7	-33.2	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (115.7dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	47.3	3.7	51.0	74.0	-23.0	Peak	Horizontal
	7434.5	36.9	12.7	49.6	74.0	-24.4	Peak	Horizontal
*	8845.5	35.3	14.0	49.3	88.7	-39.4	Peak	Horizontal
*	10333.0	37.3	16.7	54.0	88.7	-34.7	Peak	Horizontal
	4876.0	47.3	3.7	51.0	74.0	-23.0	Peak	Vertical
	7434.5	36.9	12.7	49.6	74.0	-24.4	Peak	Vertical
*	8845.5	35.3	14.0	49.3	88.7	-39.4	Peak	Vertical
*	10333.0	37.3	16.7	54.0	88.7	-34.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.7dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	11
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4918.5	42.7	3.7	46.4	74.0	-27.6	Peak	Horizontal
	7460.0	37.3	12.8	50.1	74.0	-23.9	Peak	Horizontal
*	8616.0	34.4	13.5	47.9	86.3	-38.4	Peak	Horizontal
*	9942.0	36.3	15.3	51.6	86.3	-34.7	Peak	Horizontal
	4910.0	42.1	3.7	45.8	74.0	-28.2	Peak	Vertical
	7528.0	37.0	12.8	49.8	74.0	-24.2	Peak	Vertical
*	8879.5	35.8	14.0	49.8	86.3	-36.5	Peak	Vertical
*	10486.0	37.0	17.1	54.1	86.3	-32.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.3dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	03
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	5003.5	38.9	3.8	42.7	74.0	-31.3	Peak	Horizontal
	7468.5	36.7	12.8	49.5	74.0	-24.5	Peak	Horizontal
*	8854.0	34.9	14.0	48.9	81.6	-32.7	Peak	Horizontal
*	10307.5	37.3	16.6	53.9	81.6	-27.7	Peak	Horizontal
	4927.0	39.6	3.7	43.3	74.0	-30.7	Peak	Vertical
	7528.0	36.7	12.8	49.5	74.0	-24.5	Peak	Vertical
*	8769.0	34.5	13.9	48.4	81.6	-33.2	Peak	Vertical
*	9950.5	37.2	15.3	52.5	81.6	-29.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (111.6dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	40.6	3.7	44.3	74.0	-29.7	Peak	Horizontal
	7562.0	36.6	12.8	49.4	74.0	-24.6	Peak	Horizontal
*	8667.0	35.8	13.6	49.4	84.3	-34.9	Peak	Horizontal
*	9933.5	36.7	15.3	52.0	84.3	-32.3	Peak	Horizontal
	4876.0	41.1	3.7	44.8	74.0	-29.2	Peak	Vertical
	7536.5	37.2	12.8	50.0	74.0	-24.0	Peak	Vertical
*	8735.0	34.2	13.9	48.1	84.3	-36.2	Peak	Vertical
*	10001.5	37.0	15.4	52.4	84.3	-31.9	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.3dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	09
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	5105.5	38.6	4.2	42.8	74.0	-31.2	Peak	Horizontal
	7545.0	36.7	12.8	49.5	74.0	-24.5	Peak	Horizontal
*	8709.5	35.4	13.8	49.2	83.5	-34.3	Peak	Horizontal
*	10375.5	36.7	16.9	53.6	83.5	-29.9	Peak	Horizontal
	4901.5	39.0	3.7	42.7	74.0	-31.3	Peak	Vertical
	7519.5	36.0	12.8	48.8	74.0	-25.2	Peak	Vertical
*	8692.5	34.3	13.7	48.0	83.5	-35.5	Peak	Vertical
*	9942.0	36.1	15.3	51.4	83.5	-32.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (113.5dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	01
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	5003.5	39.1	3.8	42.9	74.0	-31.1	Peak	Horizontal
	7477.0	36.5	12.8	49.3	74.0	-24.7	Peak	Horizontal
*	8760.5	35.3	13.9	49.2	87.9	-38.7	Peak	Horizontal
*	10137.5	37.0	15.9	52.9	87.9	-35.0	Peak	Horizontal
	4825.0	42.5	3.7	46.2	74.0	-27.8	Peak	Vertical
	7468.5	36.5	12.8	49.3	74.0	-24.7	Peak	Vertical
*	8692.5	35.1	13.7	48.8	87.9	-39.1	Peak	Vertical
*	9857.0	34.6	16.2	50.8	87.9	-37.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.9dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	45.8	3.7	49.5	74.0	-24.5	Peak	Horizontal
	7528.0	36.9	12.8	49.7	74.0	-24.3	Peak	Horizontal
*	8743.5	35.3	13.9	49.2	90.9	-41.7	Peak	Horizontal
*	10214.0	35.6	16.3	51.9	90.9	-39.0	Peak	Horizontal
	4876.0	49.0	3.7	52.7	74.0	-21.3	Peak	Vertical
	7443.0	36.7	12.7	49.4	74.0	-24.6	Peak	Vertical
*	8735.0	34.5	13.9	48.4	90.9	-42.5	Peak	Vertical
*	9848.5	35.1	16.1	51.2	90.9	-39.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (120.9dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	11
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	40.9	3.7	44.6	74.0	-29.4	Peak	Horizontal
	7443.0	36.1	12.7	48.8	74.0	-25.2	Peak	Horizontal
*	8811.5	33.8	14.0	47.8	86.8	-39.0	Peak	Horizontal
*	9908.0	36.5	15.3	51.8	86.8	-35.0	Peak	Horizontal
	4918.5	42.4	3.7	46.1	74.0	-27.9	Peak	Vertical
	7477.0	35.7	12.8	48.5	74.0	-25.5	Peak	Vertical
*	8828.5	35.7	14.0	49.7	86.8	-37.1	Peak	Vertical
*	10290.5	37.1	16.6	53.7	86.8	-33.1	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (116.8dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	03
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	5097.0	38.5	4.2	42.7	74.0	-31.3	Peak	Horizontal
	7477.0	36.7	12.8	49.5	74.0	-24.5	Peak	Horizontal
*	8692.5	35.1	13.7	48.8	84.6	-35.8	Peak	Horizontal
*	10401.0	36.4	16.9	53.3	84.6	-31.3	Peak	Horizontal
	4850.5	39.5	3.7	43.2	74.0	-30.8	Peak	Vertical
	7519.5	36.7	12.8	49.5	74.0	-24.5	Peak	Vertical
*	8837.0	35.3	14.0	49.3	84.6	-35.3	Peak	Vertical
*	10027.0	36.6	15.4	52.0	84.6	-32.6	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.6dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	39.5	3.7	43.2	74.0	-30.8	Peak	Horizontal
	8199.5	35.2	12.0	47.2	74.0	-26.8	Peak	Horizontal
*	8811.5	34.9	14.0	48.9	85.3	-36.4	Peak	Horizontal
*	9814.5	34.1	15.4	49.5	85.3	-35.8	Peak	Horizontal
	4876.0	41.1	3.7	44.8	74.0	-29.2	Peak	Vertical
	7579.0	37.0	12.7	49.7	74.0	-24.3	Peak	Vertical
*	8871.0	35.4	14.0	49.4	85.3	-35.9	Peak	Vertical
*	10010.0	37.2	15.4	52.6	85.3	-32.7	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.3dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (CDD Mode)	測試通道	09
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4935.5	38.8	3.7	42.5	74.0	-31.5	Peak	Horizontal
	7604.5	37.6	12.7	50.3	74.0	-23.7	Peak	Horizontal
*	8658.5	35.3	13.6	48.9	84.3	-35.4	Peak	Horizontal
*	10282.0	37.6	16.5	54.1	84.3	-30.2	Peak	Horizontal
	4893.0	39.8	3.7	43.5	74.0	-30.5	Peak	Vertical
	7468.5	36.2	12.8	49.0	74.0	-25.0	Peak	Vertical
*	8735.0	35.4	13.9	49.3	84.3	-35.0	Peak	Vertical
*	10367.0	36.5	16.8	53.3	84.3	-31.0	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (114.3dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	01
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4833.5	45.3	3.7	49.0	74.0	-25.0	Peak	Horizontal
	8250.5	34.1	11.9	46.0	74.0	-28.0	Peak	Horizontal
*	8735.0	33.0	13.9	46.9	87.1	-40.2	Peak	Horizontal
*	10350.0	31.8	16.8	48.6	87.1	-38.5	Peak	Horizontal
	4825.0	45.1	3.7	48.8	74.0	-25.2	Peak	Vertical
	7545.0	34.5	12.8	47.3	74.0	-26.7	Peak	Vertical
*	8820.0	32.3	14.0	46.3	87.1	-40.8	Peak	Vertical
*	10197.0	34.5	16.2	50.7	87.1	-36.4	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (117.1dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4867.5	52.1	3.7	55.8	74.0	-18.2	Peak	Horizontal
	4867.5	39.5	3.7	43.2	54.0	-10.8	Average	Horizontal
	7460.0	34.5	12.8	47.3	74.0	-26.7	Peak	Horizontal
*	8701.0	32.7	13.8	46.5	89.2	-42.7	Peak	Horizontal
*	9712.5	33.6	14.7	48.3	89.2	-40.9	Peak	Horizontal
	4867.5	49.8	3.7	53.5	74.0	-20.5	Peak	Vertical
	7638.5	35.3	12.6	47.9	74.0	-26.1	Peak	Vertical
*	8777.5	32.9	13.9	46.8	89.2	-42.4	Peak	Vertical
*	10163.0	34.3	16.0	50.3	89.2	-38.9	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (119.2dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	11
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4935.5	50.8	3.7	54.5	74.0	-19.5	Peak	Horizontal
	4935.5	39.5	3.7	43.2	54.0	-10.8	Average	Horizontal
	7511.0	34.5	12.8	47.3	74.0	-26.7	Peak	Horizontal
*	8692.5	32.2	13.7	45.9	87.7	-41.8	Peak	Horizontal
*	9942.0	33.9	15.3	49.2	87.7	-38.5	Peak	Horizontal
	4935.5	46.6	3.7	50.3	74.0	-23.7	Peak	Vertical
	7579.0	35.2	12.7	47.9	74.0	-26.1	Peak	Vertical
*	8667.0	32.6	13.6	46.2	87.7	-41.5	Peak	Vertical
*	9967.5	34.9	15.3	50.2	87.7	-37.5	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (117.7dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	03
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4825.0	40.9	3.7	44.6	74.0	-29.4	Peak	Horizontal
	7528.0	34.4	12.8	47.2	74.0	-26.8	Peak	Horizontal
*	9780.5	34.0	14.9	48.9	82.2	-33.3	Peak	Horizontal
*	10333.0	33.4	16.7	50.1	82.2	-32.1	Peak	Horizontal
	4825.0	41.7	3.7	45.4	74.0	-28.6	Peak	Vertical
	7460.0	34.6	12.8	47.4	74.0	-26.6	Peak	Vertical
*	8658.5	32.4	13.6	46.0	82.2	-36.2	Peak	Vertical
*	9942.0	32.8	15.3	48.1	82.2	-34.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (112.2dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	42.6	3.7	46.3	74.0	-27.7	Peak	Horizontal
	7443.0	34.3	12.7	47.0	74.0	-27.0	Peak	Horizontal
*	8701.0	32.9	13.8	46.7	84.6	-37.9	Peak	Horizontal
*	10137.5	34.4	15.9	50.3	84.6	-34.3	Peak	Horizontal
	4850.5	44.4	3.7	48.1	74.0	-25.9	Peak	Vertical
	7519.5	34.2	12.8	47.0	74.0	-27.0	Peak	Vertical
*	8828.5	32.5	14.0	46.5	84.6	-38.1	Peak	Vertical
*	10001.5	35.1	15.4	50.5	84.6	-34.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (114.6dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ac-VHT40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	09
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	41.4	3.7	45.1	74.0	-28.9	Peak	Horizontal
	7511.0	35.1	12.8	47.9	74.0	-26.1	Peak	Horizontal
*	8760.5	33.0	13.9	46.9	81.9	-35.0	Peak	Horizontal
*	10044.0	34.7	15.5	50.2	81.9	-31.7	Peak	Horizontal
	4927.0	45.0	3.7	48.7	74.0	-25.3	Peak	Vertical
	7502.5	34.6	12.8	47.4	74.0	-26.6	Peak	Vertical
*	8752.0	34.1	13.9	48.0	81.9	-33.9	Peak	Vertical
*	10358.5	33.8	16.8	50.6	81.9	-31.3	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (111.9dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	01
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4833.5	43.8	3.7	47.5	74.0	-26.5	Peak	Horizontal
	7545.0	35.1	12.8	47.9	74.0	-26.1	Peak	Horizontal
*	8718.0	33.2	13.8	47.0	90.5	-43.5	Peak	Horizontal
*	10265.0	33.6	16.5	50.1	90.5	-40.4	Peak	Horizontal
	4825.0	43.8	3.7	47.5	74.0	-26.5	Peak	Vertical
	7545.0	34.3	12.8	47.1	74.0	-26.9	Peak	Vertical
*	8794.5	32.5	13.9	46.4	90.5	-44.1	Peak	Vertical
*	9814.5	34.0	15.4	49.4	90.5	-41.1	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (122.5dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4876.0	53.1	3.7	56.8	74.0	-17.2	Peak	Horizontal
	4876.0	39.8	3.7	43.5	54.0	-10.5	Average	Horizontal
	7570.5	33.9	12.8	46.7	74.0	-27.3	Peak	Horizontal
*	8667.0	33.4	13.6	47.0	95.3	-48.3	Peak	Horizontal
*	10044.0	34.6	15.5	50.1	95.3	-45.2	Peak	Horizontal
	4876.0	55.2	3.7	58.9	74.0	-15.1	Peak	Vertical
	4876.0	41.5	3.7	45.2	54.0	-8.8	Average	Vertical
	7460.0	34.6	12.8	47.4	74.0	-26.6	Peak	Vertical
*	8760.5	32.5	13.9	46.4	95.3	-48.9	Peak	Vertical
*	10375.5	34.0	16.9	50.9	95.3	-44.4	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 30dBc of the fundamental emission level (125.3dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE20 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	11
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4927.0	44.9	3.7	48.6	74.0	-25.4	Peak	Horizontal
	7528.0	33.9	12.8	46.7	74.0	-27.3	Peak	Horizontal
*	8777.5	33.4	13.9	47.3	90.8	-43.5	Peak	Horizontal
*	10146.0	35.2	16.0	51.2	90.8	-39.6	Peak	Horizontal
	4935.5	42.3	3.7	46.0	74.0	-28.0	Peak	Vertical
	7409.0	34.3	12.6	46.9	74.0	-27.1	Peak	Vertical
*	8769.0	31.8	13.9	45.7	90.8	-45.1	Peak	Vertical
*	10035.5	33.1	15.5	48.6	90.8	-42.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (120.8dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	03
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4859.0	39.1	3.7	42.8	74.0	-31.2	Peak	Horizontal
	7638.5	35.0	12.6	47.6	74.0	-26.4	Peak	Horizontal
*	8760.5	33.3	13.9	47.2	86.0	-38.8	Peak	Horizontal
*	10265.0	35.0	16.5	51.5	86.0	-34.5	Peak	Horizontal
	4825.0	42.5	3.7	46.2	74.0	-27.8	Peak	Vertical
	7536.5	35.5	12.8	48.3	74.0	-25.7	Peak	Vertical
*	8862.5	32.9	14.0	46.9	86.0	-39.1	Peak	Vertical
*	10001.5	35.4	15.4	50.8	86.0	-35.2	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (116.0dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	06
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4859.0	43.5	3.7	47.2	74.0	-26.8	Peak	Horizontal
	7613.0	34.8	12.6	47.4	74.0	-26.6	Peak	Horizontal
*	8760.5	32.9	13.9	46.8	88.7	-41.9	Peak	Horizontal
*	9797.5	35.0	15.1	50.1	88.7	-38.6	Peak	Horizontal
	4901.5	43.9	3.7	47.6	74.0	-26.4	Peak	Vertical
	7434.5	34.8	12.7	47.5	74.0	-26.5	Peak	Vertical
*	8701.0	32.6	13.8	46.4	88.7	-42.3	Peak	Vertical
*	10078.0	35.1	15.6	50.7	88.7	-38.0	Peak	Vertical

Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (118.7dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	26°C
測試工程師	Kevin Ker	濕度	56%
測試場地	AC1	測試日期	2019/01/29
測試模式	802.11ax-HE40 - Ant 0 + 1 + 2 + 3 (Beam-Forming Mode)	測試通道	09
備註	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

Mark	Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
	4918.5	43.4	3.7	47.1	74.0	-26.9	Peak	Horizontal
	7528.0	34.8	12.8	47.6	74.0	-26.4	Peak	Horizontal
*	8709.5	33.4	13.8	47.2	85.6	-38.4	Peak	Horizontal
*	10180.0	34.5	16.1	50.6	85.6	-35.0	Peak	Horizontal
	4927.0	48.0	3.7	51.7	74.0	-22.3	Peak	Vertical
	7443.0	35.0	12.7	47.7	74.0	-26.3	Peak	Vertical
*	8658.5	33.2	13.6	46.8	85.6	-38.8	Peak	Vertical
*	10401.0	34.0	16.9	50.9	85.6	-34.7	Peak	Vertical

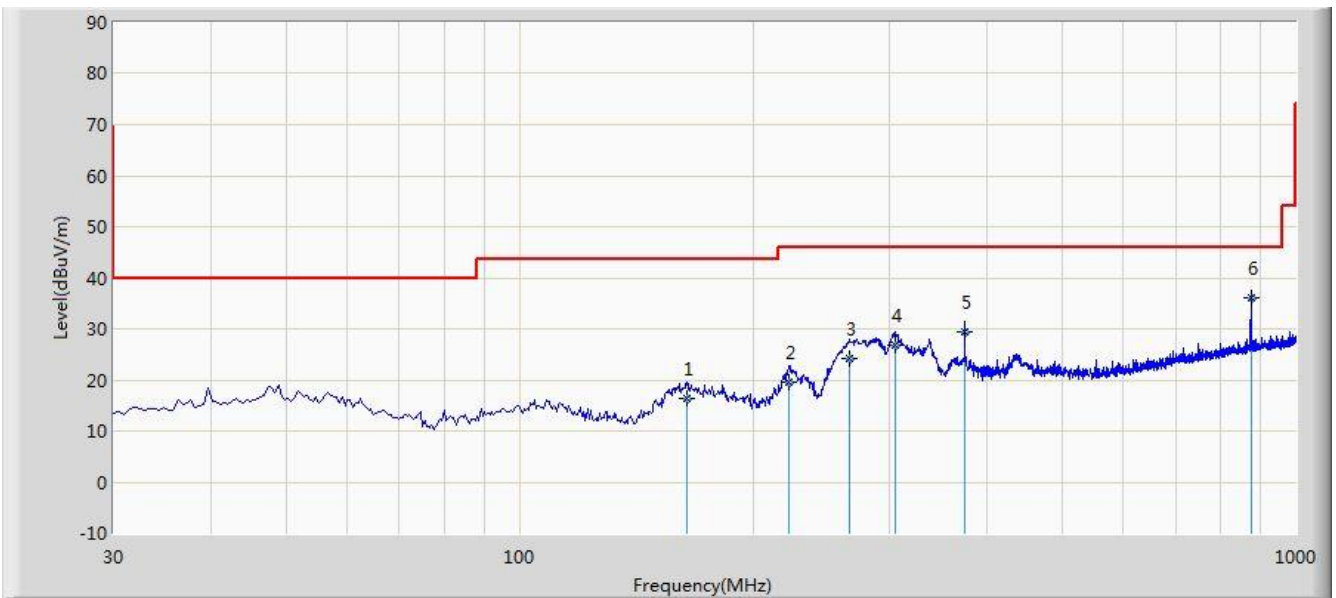
Note 1: “*” is not in restricted band, its limit is 30dBc of the fundamental emission level (115.6dBμV/m) or LP0002 Section 2.8 which is higher.

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

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

The Worst Case of Radiated Emission below 1GHz:

Site: AC1	Time: 2019/02/24 - 12:57
Limit: FCC_Partor LP0002 Section 2.8_RSE(3m)	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Horizontal
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: There is the worst case within frequency range 30MHz~1GHz. (2.4G Wi-Fi)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			164.350	16.360	6.230	-27.140	43.500	10.130	QP
2			222.550	19.613	6.730	-26.387	46.000	12.883	QP
3			266.680	24.207	10.030	-21.793	46.000	14.176	QP
4			305.000	26.935	12.050	-19.065	46.000	14.885	QP
5			375.000	29.287	12.860	-16.713	46.000	16.427	QP
6		*	875.000	36.175	11.960	-9.825	46.000	24.214	QP

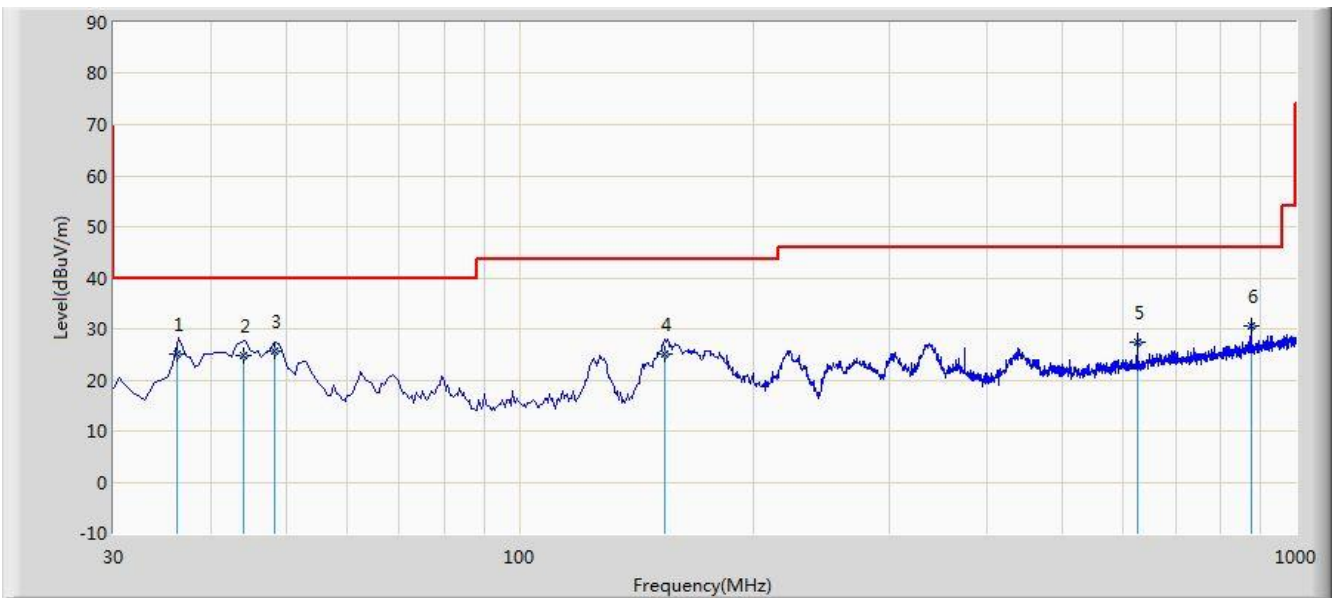
Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

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

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

Site: AC1	Time: 2019/02/24 - 12:57
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin Ker
Probe: VULB9162_0.03GHz_8GHz	Polarity: Vertical
EUT: AX6000 次世代 Wi-Fi 路由器	Power: AC 110V/60Hz
測試模式: There is the worst case within frequency range 30MHz~1GHz. (2.4G Wi-Fi)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			36.300	25.192	12.010	-14.808	40.000	13.182	QP
2			44.030	24.876	10.230	-15.124	40.000	14.646	QP
3		*	48.450	25.596	10.620	-14.404	40.000	14.977	QP
4			154.200	25.024	15.280	-18.476	43.500	9.744	QP
5			625.000	27.445	6.820	-18.555	46.000	20.625	QP
6			875.000	30.475	6.260	-15.525	46.000	24.214	QP

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

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

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

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

5.5. 混附發射之 RF 傳導發射

5.5.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.5 節，使用頻帶範圍外之任意 100 千赫 (kHz) 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz) 內的射頻功率，至少須衰減 20 dB，以射頻傳導或輻射方式測量。如發射機以本節 3.10.1(2)(2.3) 之峰值傳導輸出功率量測方式者，至少須衰減 30 dB。此外，落於第 2.7 節禁用頻段之輻射發射，應符合第 2.8 節之規定。

備註

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

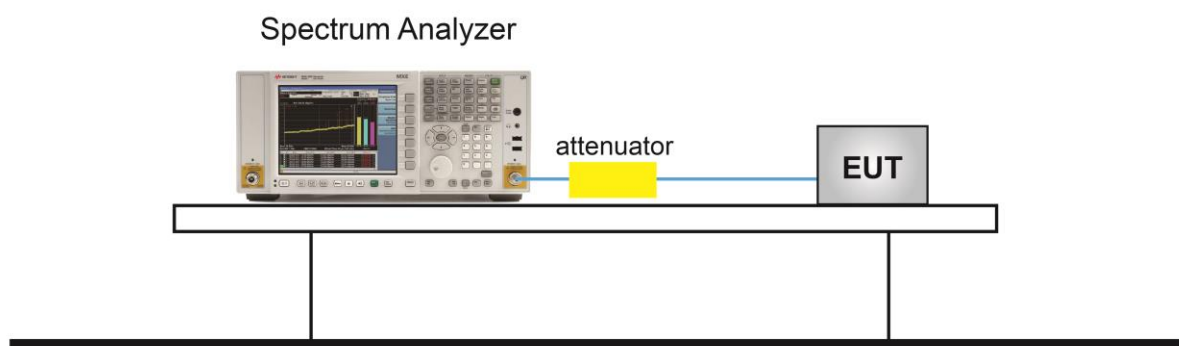
5.5.2. 量測方法

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

(一) 頻譜分析儀設定如下：

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

5.5.3. 測試架構圖



5.5.4. 混附發射之 RF 傳導發射測試結果

待測物名稱	AX6000 次世代 Wi-Fi 路由器	溫度	25°C
測試工程師	Kevin Ker	濕度	56%
測試場地	SR2	測試日期	2019/02/12

Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	Limit (dBc)	Result
CDD Mode: Ant 0 / Ant 0 + 1 + 2 + 3					
802.11b	1Mbps	01	2412	30	Pass
802.11b	1Mbps	06	2437	30	Pass
802.11b	1Mbps	11	2462	30	Pass
802.11g	6Mbps	01	2412	30	Pass
802.11g	6Mbps	06	2437	30	Pass
802.11g	6Mbps	11	2462	30	Pass
802.11n-HT20	MCS0	01	2412	30	Pass
802.11n-HT20	MCS0	06	2437	30	Pass
802.11n-HT20	MCS0	11	2462	30	Pass
802.11n-HT40	MCS0	03	2422	30	Pass
802.11n-HT40	MCS0	06	2437	30	Pass
802.11n-HT40	MCS0	09	2452	30	Pass
802.11ac-VHT20	MCS0	01	2412	30	Pass
802.11ac-VHT20	MCS0	06	2437	30	Pass
802.11ac-VHT20	MCS0	11	2462	30	Pass
802.11ac-VHT40	MCS0	03	2422	30	Pass
802.11ac-VHT40	MCS0	06	2437	30	Pass
802.11ac-VHT40	MCS0	09	2452	30	Pass
802.11ax-HE20	MCS0	01	2412	30	Pass
802.11ax-HE20	MCS0	06	2437	30	Pass
802.11ax-HE20	MCS0	11	2462	30	Pass
802.11ax-HE40	MCS0	03	2422	30	Pass
802.11ax-HE40	MCS0	06	2437	30	Pass
802.11ax-HE40	MCS0	09	2452	30	Pass

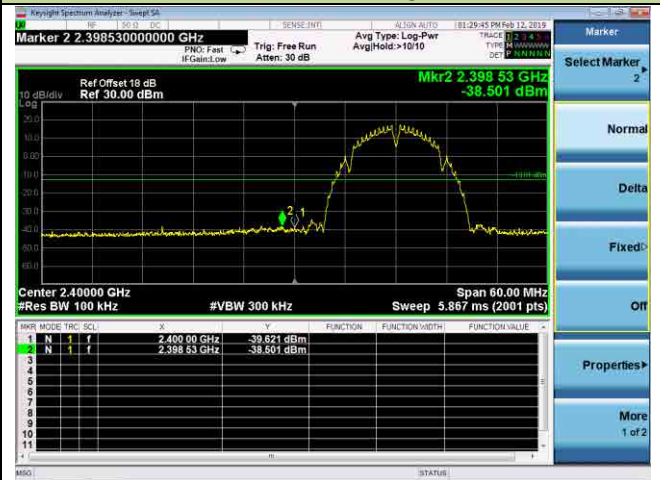
802.11b Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 01 (2412MHz)

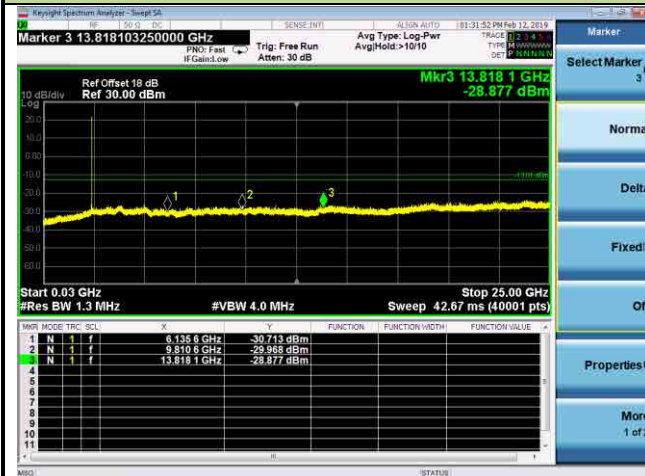
100kHz PSD reference Level



Low Band Edge



Spurious Emission

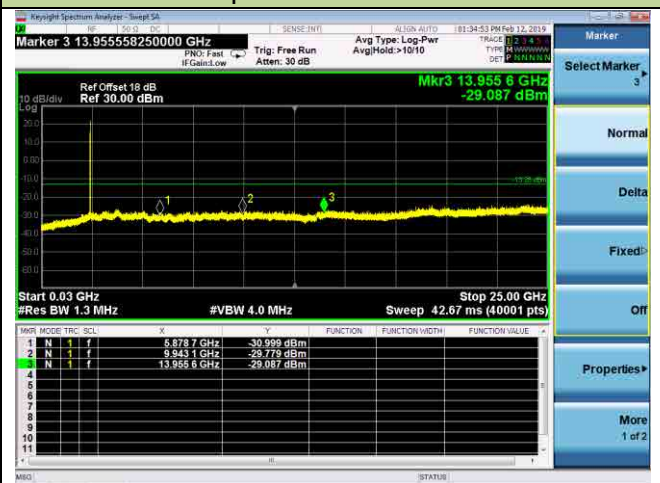


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



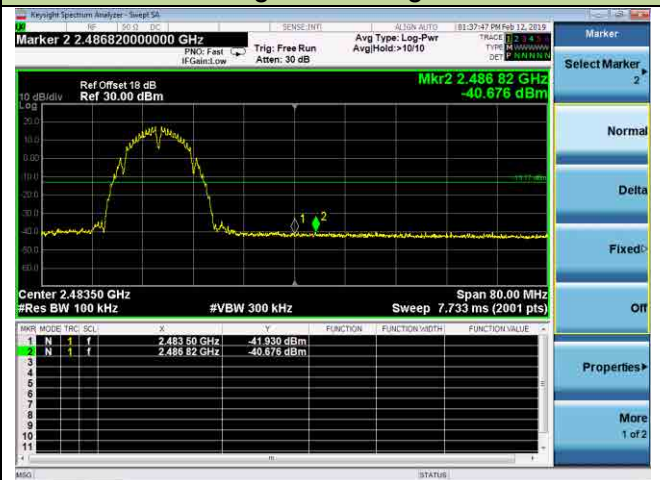
802.11b Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 11 (2462MHz)

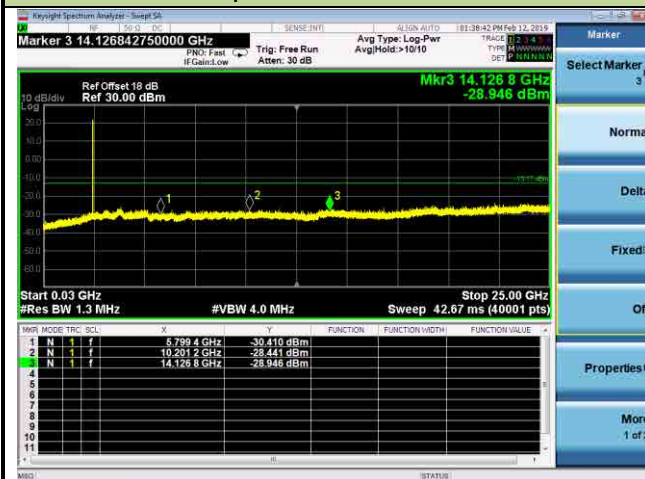
100kHz PSD reference Level



High Band Edge



Spurious Emission



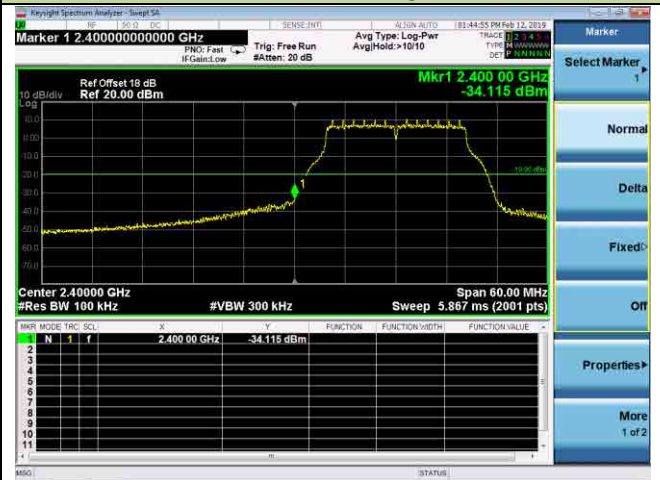
802.11g Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 01 (2412MHz)

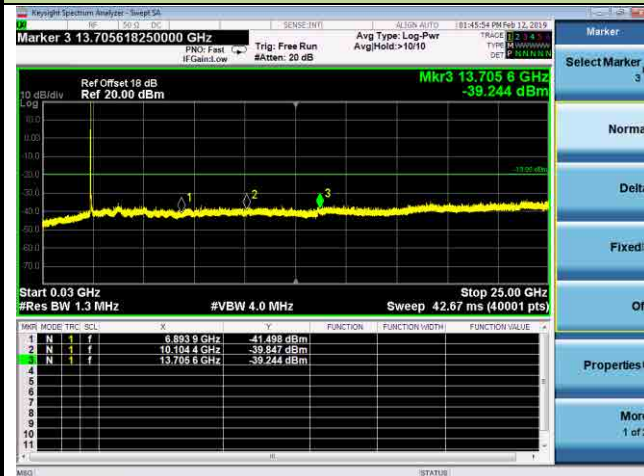
100kHz PSD reference Level



Low Band Edge



Spurious Emission

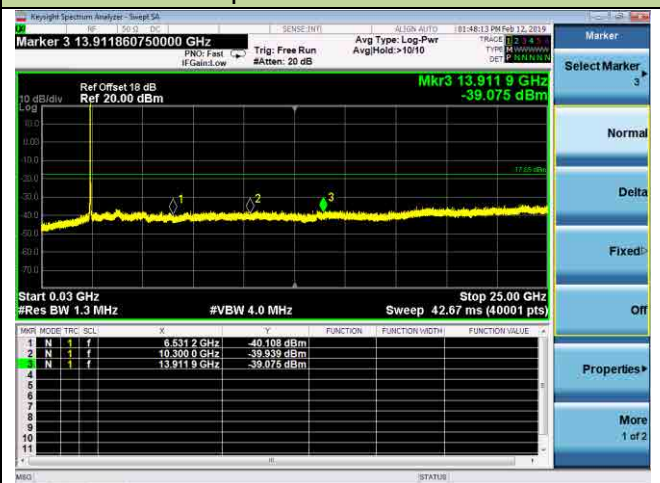


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



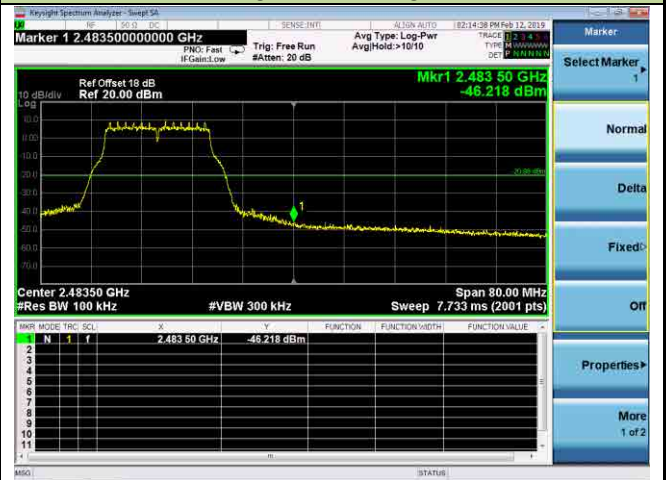
802.11g Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 11 (2462MHz)

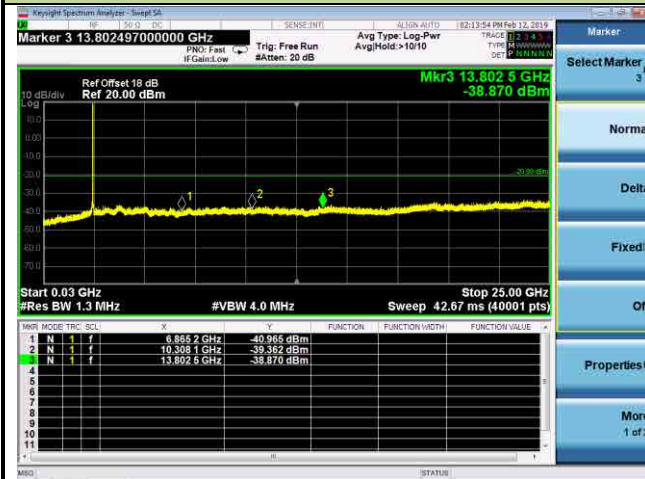
100kHz PSD reference Level



High Band Edge



Spurious Emission



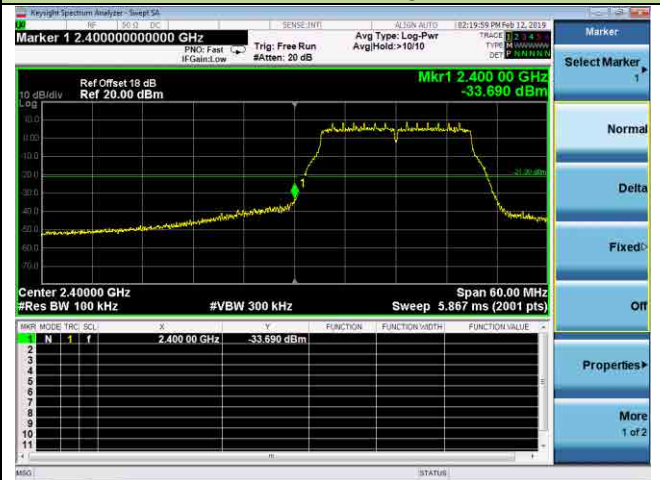
802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 01 (2412MHz)

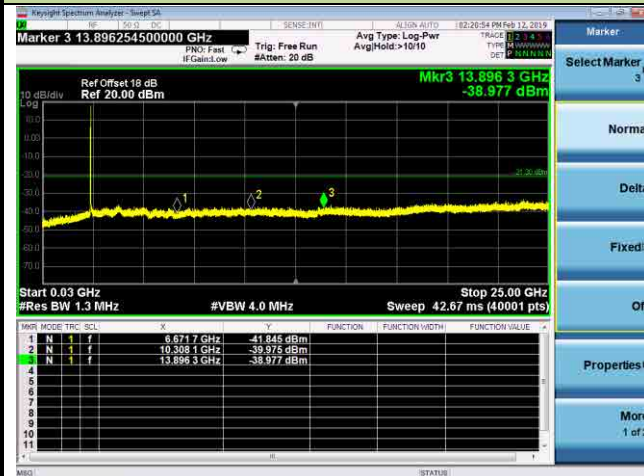
100kHz PSD reference Level



Low Band Edge



Spurious Emission

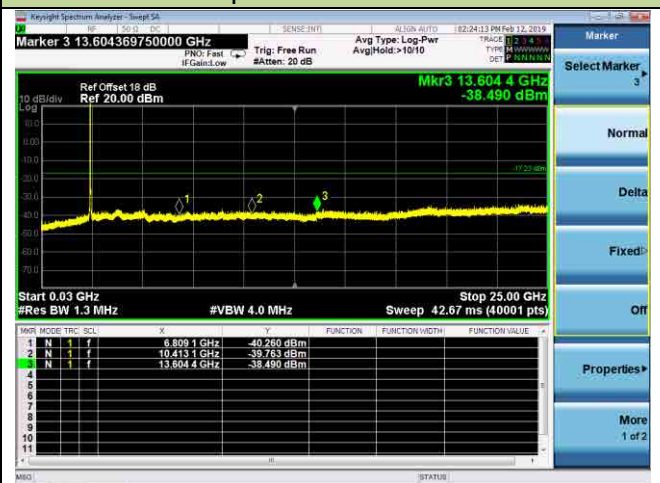


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



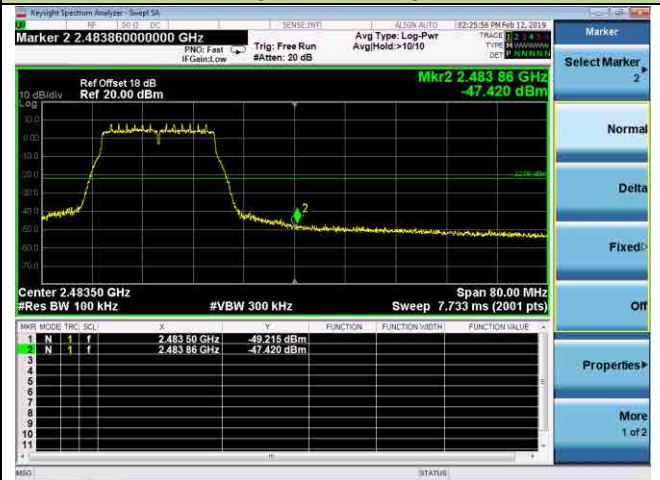
802.11n-HT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 11 (2462MHz)

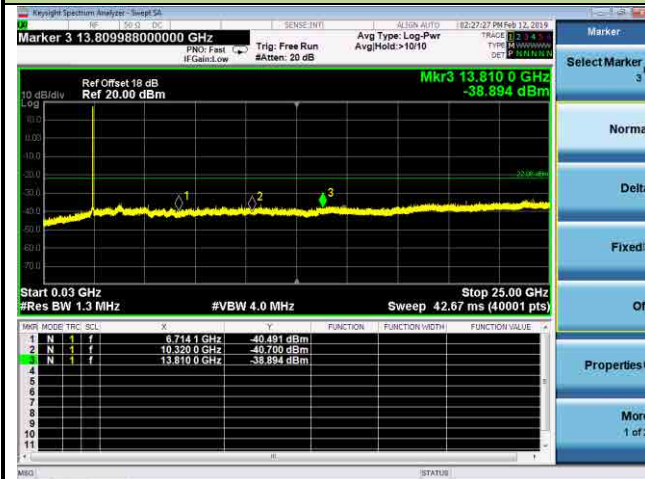
100kHz PSD reference Level



High Band Edge



Spurious Emission



802.11n-HT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 03 (2422MHz)

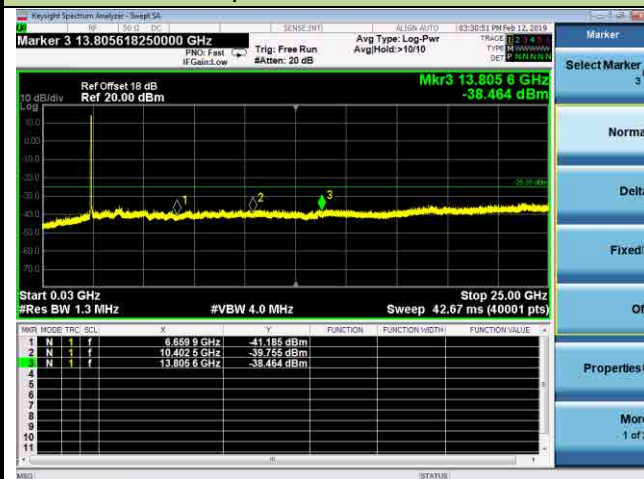
100kHz PSD reference Level



Low Band Edge



Spurious Emission

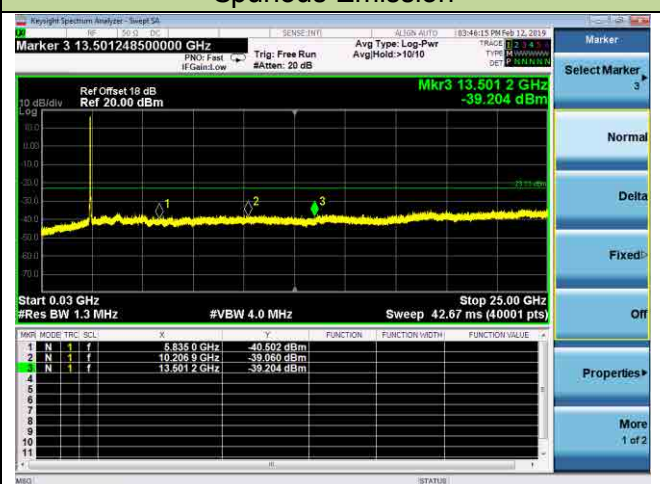


Channel 06 (2437MHz)

100kHz PSD reference Level



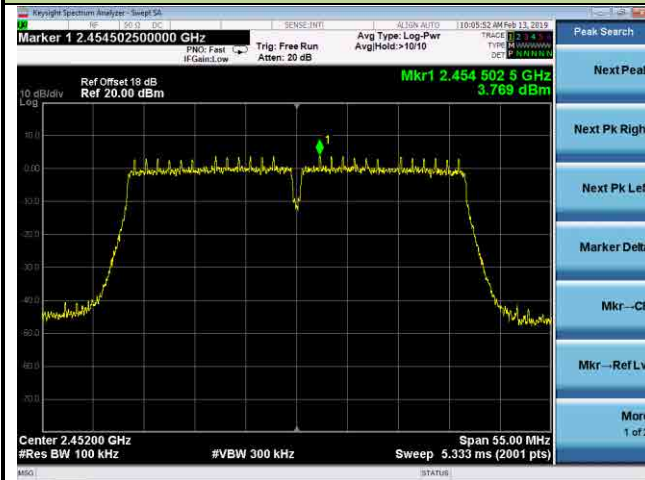
Spurious Emission



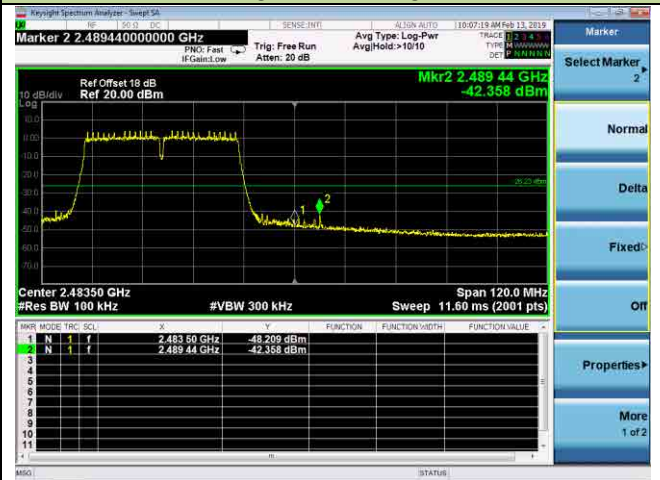
802.11n-HT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 09 (2452MHz)

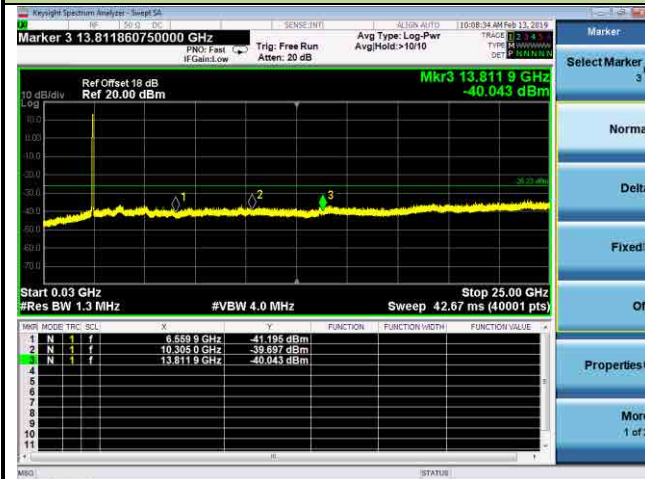
100kHz PSD reference Level



High Band Edge



Spurious Emission



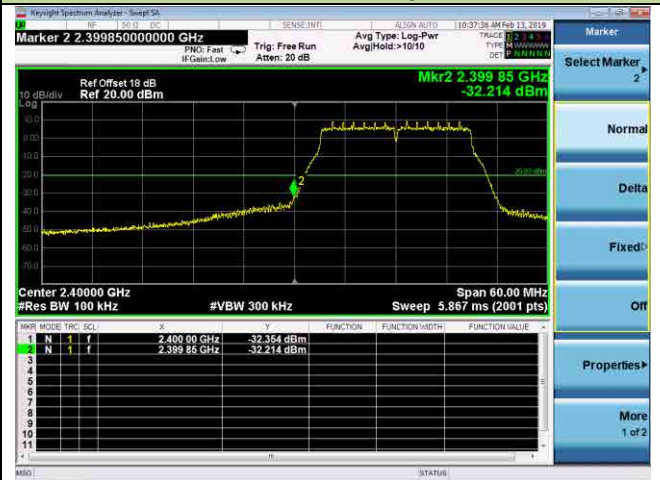
802.11ac-VHT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 01 (2412MHz)

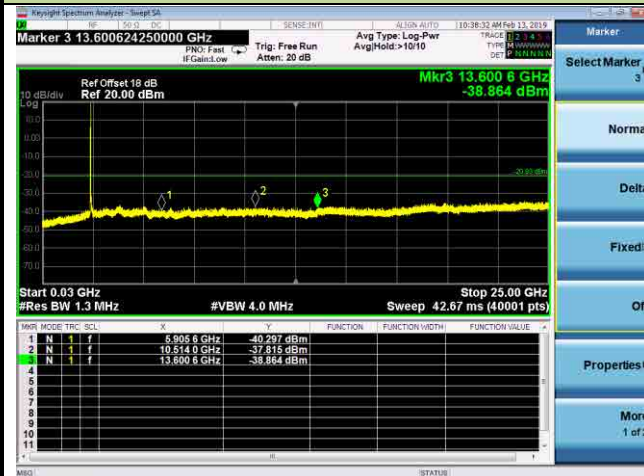
100kHz PSD reference Level



Low Band Edge



Spurious Emission

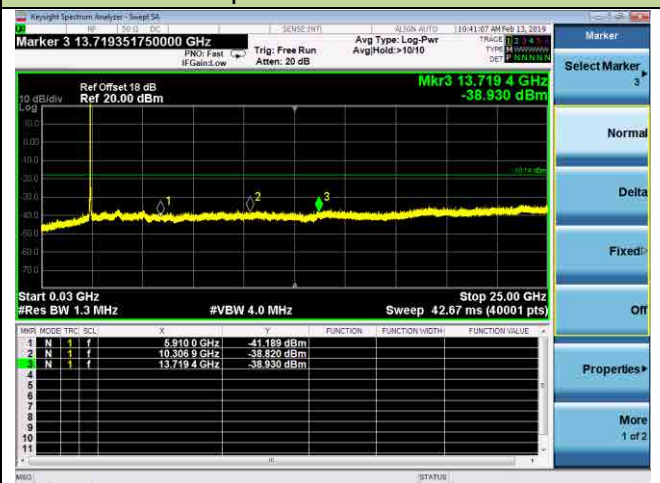


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



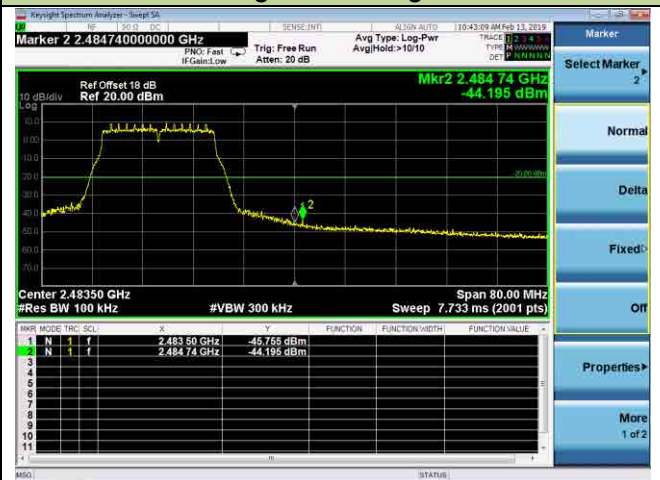
802.11ac-VHT20 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 11 (2462MHz)

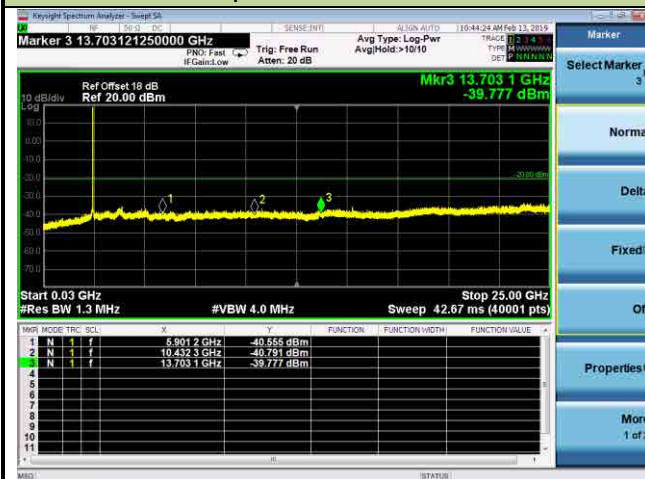
100kHz PSD reference Level



High Band Edge



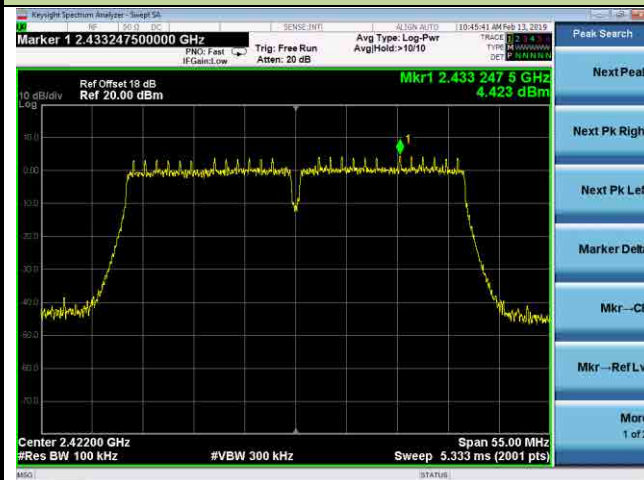
Spurious Emission



802.11ac-VHT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 03 (2422MHz)

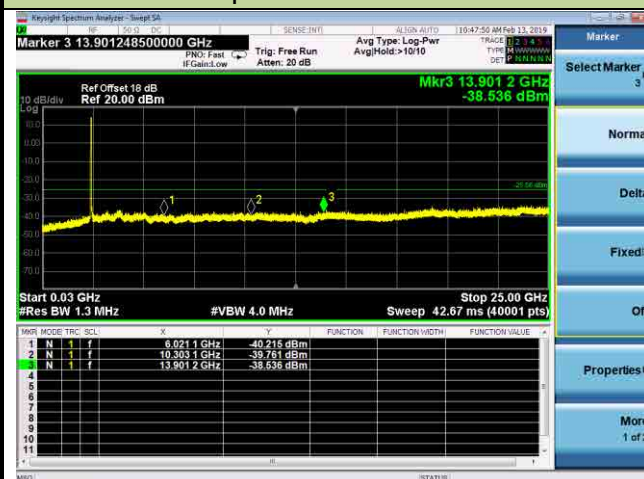
100kHz PSD reference Level



Low Band Edge



Spurious Emission

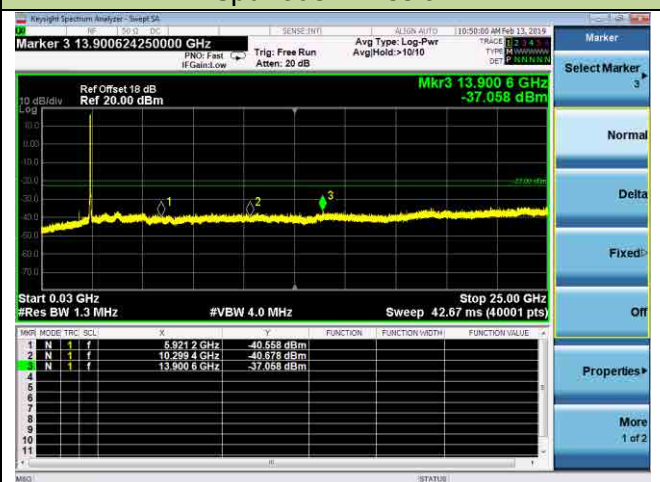


Channel 06 (2437MHz)

100kHz PSD reference Level



Spurious Emission



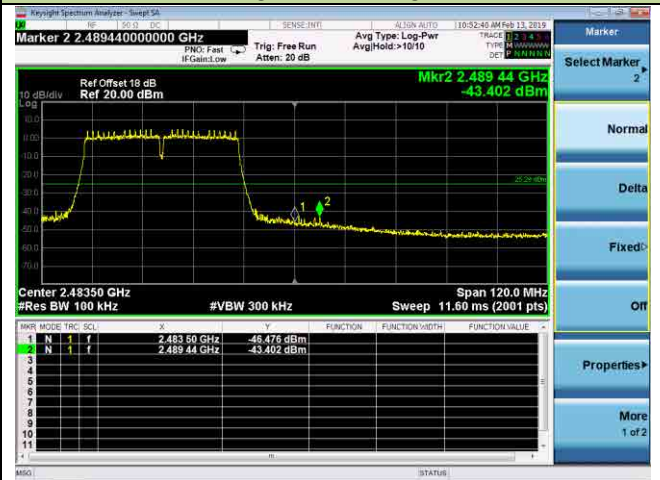
802.11ac-VHT40 Out-of-Band Emissions - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 09 (2452MHz)

100kHz PSD reference Level



High Band Edge



Spurious Emission

