



NCC

低功率射頻器材型式試驗報告

產品名稱 : 8 吋強固型安卓手持裝置
型號 : GT78-VNW
廠牌 : ARBOR
申請者 : 
申請者地址 : 磐儀科技股份有限公司
測試標準 : LP0002 (109 年版)
參考法規 : ANSI C63.10-2013
測試結果 : 符合
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修訂紀錄

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1. 一般資訊

申請者	磐儀科技股份有限公司
申請者地址	235 新北市中和區中正路 700 號 10 樓
製造商	磐儀科技股份有限公司
製造商地址	235 新北市中和區中正路 700 號 10 樓
實驗室	台灣曼瑞檢測科技有限公司
實驗室地址	33377 台灣桃園市龜山區復興二路 38 號
實驗室資訊	1. MRT facility is a FCC registered (Reg. No. 153292) 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 (Designation Number: TW3261), 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. 產品描述

2.1 產品資訊

產品名稱	8 吋強固型安卓手持裝置
產品型號	GT78-VNW
商標	ARBOR
支援規格	2.4G: 802.11b/g/n-20/n-40 5G: 802.11a/n-20/n-40/, Band 1,4 Bluetooth Dual Mode: V4.2 NFC 13.56MHz
Wi-Fi 規格	802.11a/n/ac (1TX / 1RX)
頻率範圍	5GHz: For 802.11a/n-HT20: 5180~5240MHz, 5745~5825MHz For 802.11n-HT40: 5190~5230MHz
調變模式	802.11a/n-20/ac-20/n-40/ac-40/ac-80: OFDM (BPSK, QPSK, 16QAM, 64QAM,256QAM)
待測物電壓	By Battery (DC 3.8V)
最大輸出功率	802.11a: 15.87dBm 802.11n-HT20: 15.01dBm 802.11ac-VHT20: 14.36dBm 802.11n-HT40: 14.87dBm 802.11ac-VHT40: 14.00dBm 802.11ac-VHT80: 13.02dBm

2.2 產品規格

802.11 n-HT20/ ac-VHT20

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

802.11 n-HT40/ ac-VHT40

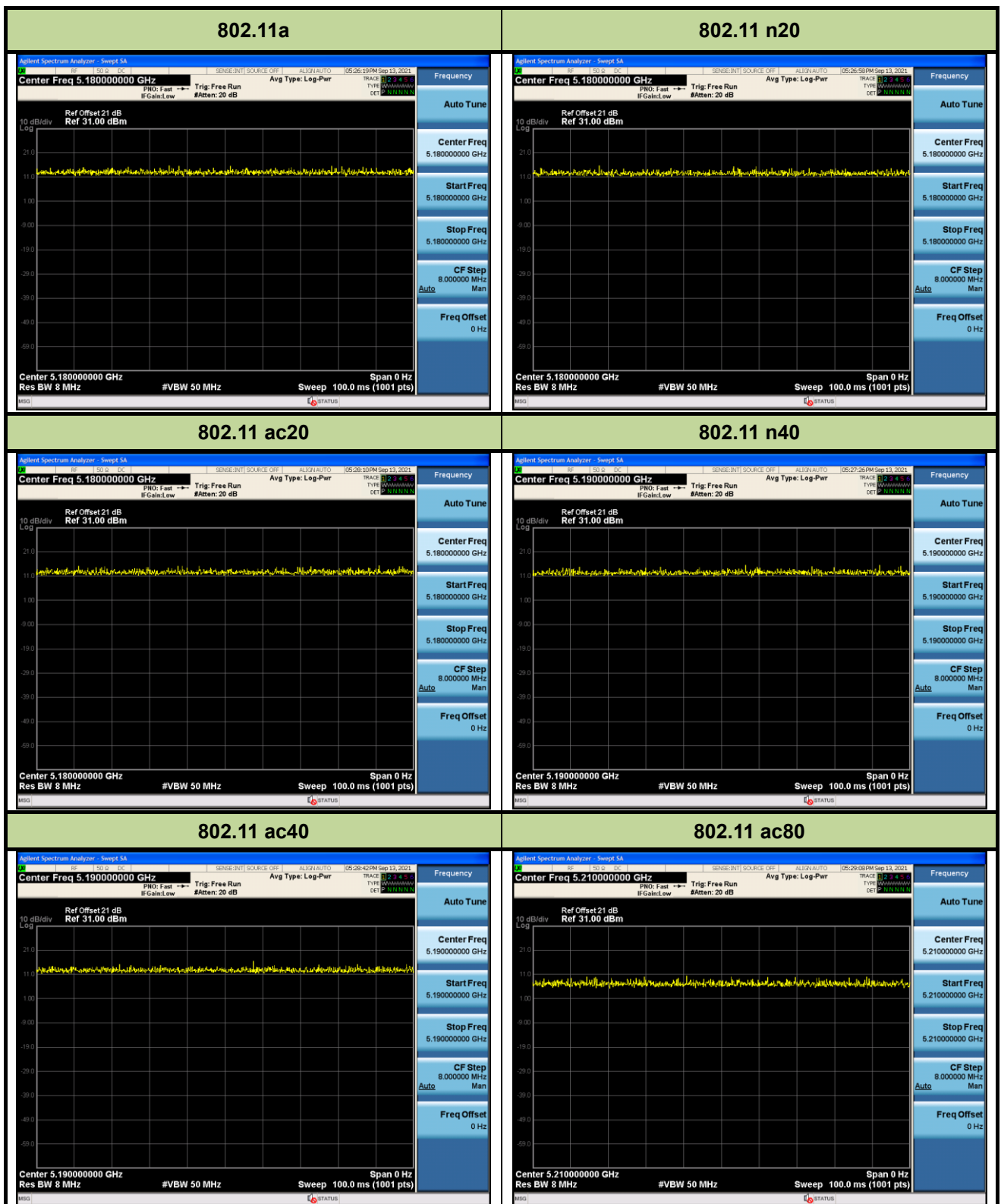
Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190 MHz	46	5230 MHz	151	5755 MHz
159	5795 MHz	--	--	--	--

802.11ac-VHT80

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

Duty Cycle

Test Mode	Duty Cycle
802.11a	100%
802.11n-HT20	100%
802.11ac-VHT20	100%
802.11n-HT40	100%
802.11ac-VHT40	100%
802.11ac-VHT80	100%

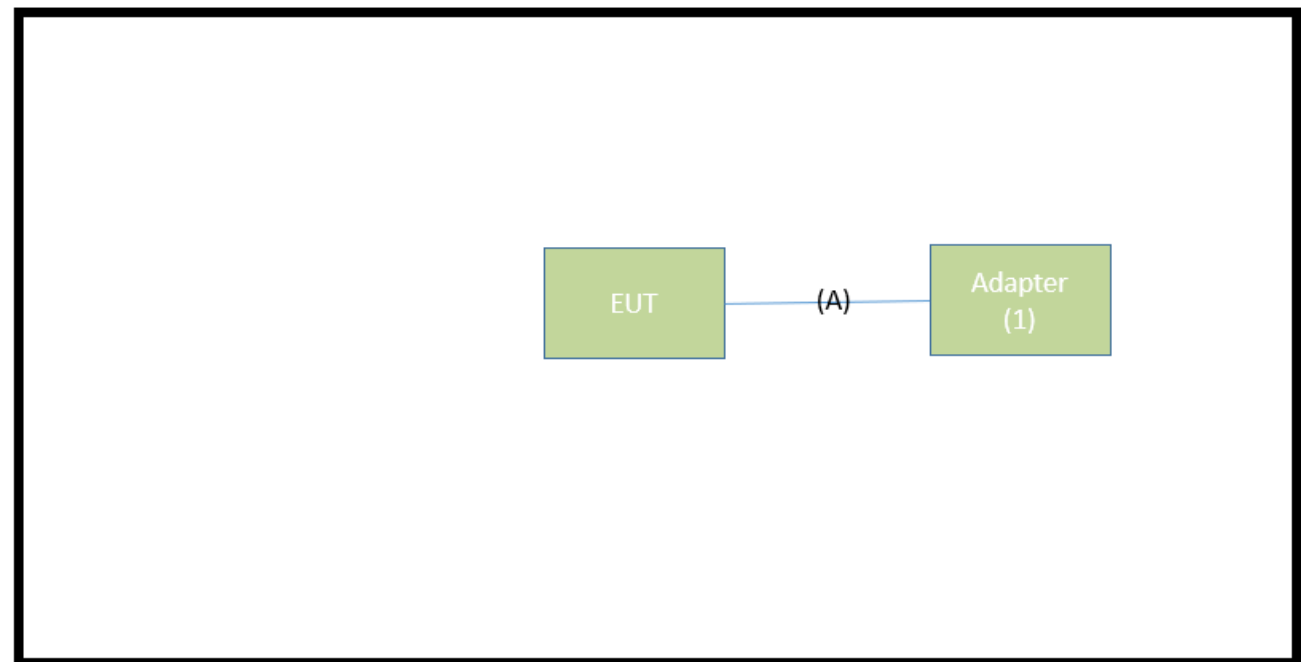


2.3 測試模式

Test Mode	Mode 1: Transmit by 802.11a
	Mode 2: Transmit by 802.11n-HT20
	Mode 3: Transmit by 802.11ac-VHT20
	Mode 4: Transmit by 802.11n-HT40
	Mode 5: Transmit by 802.11ac-VHT40
	Mode 6: Transmit by 802.11ac-VHT80
	Mode 7: Receive by 802.11n-HT20

2.4 測試配置

待測物測試配置圖



Signal Cable Type		Signal Cable Description
A	USB Cable	Shielded, 1.0m (Brand:HUNG HOW ENTERPRISE CO., LTD, M/N: USB A MALE to MICRO MALE CABLE)

2.5 測試周邊

待測裝置測試時，其搭配系統測試時之週邊裝置包括如下：

No.	周邊名稱	廠牌	型號	序號	電源線
1	Adapter	meitu	MA-1611	N/A	N/A

2.6 操作程序

1.	Turn on the power of all equipment.
2.	Execute “MTK engineering Mode” program
3.	Configure the test channel and the data rate.
4.	Start test.

3. 測試設備明細

傳導干擾 -SR2

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

輻射干擾 - AC1

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

傳導量測設備 -SR5

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

EMI 測試軟體

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

4. 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% ($U=2U_c(y)$): 0.15MHz~30MHz: $\pm 2.53\text{dB}$
輻射干擾量測 (Radiated Spurious Emission)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz~30MHz: $\pm 3.92\text{dB}$ 30MHz~1GHz: $\pm 4.25\text{dB}$ 1GHz~18GHz: $\pm 4.40\text{dB}$ 18GHz~40GHz: $\pm 4.45\text{dB}$
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% ($U=2U_c(y)$): $\pm 0.3\%$

5. 測試結果

產品名稱 8吋強固型安卓手持裝置

型號 GT78-VNW

章節	量測項目	限制值	測試結果	測試數據
3.3	電源傳導	低功率射頻器材技術規範 3.3 節	符合	第 5.1 章節
5.7.3	峰值傳導輸出功率	$\leq 24.00\text{dBm}$ for Band 1; $\leq 30.00\text{dBm}$ for Band 4	符合	第 5.2 章節
5.7.8	天線之要求	低功率射頻器材技術規範 3.3 節	符合	第 5.3 章節
3.6	輻射電場強度	低功率射頻器材技術規範 3.6 節	符合	第 5.4 章節
3.5 5.7.4.2	頻帶邊緣	$\leq 74\text{dBuV/m(Peak)}$ $\leq 54\text{dBuV/m(Average)}$	符合	第 5.5 章節
5.7.5	占用頻寬	$\geq 500\text{KHz}$ (26dB Bandwidth) $\geq 500\text{KHz}$ (6dB Bandwidth)	符合	第 5.6 章節
5.7.3	功率頻譜密度	$\leq 11\text{dBm / MHz}$ for Band 1; $\leq 30\text{dBm / 500kHz}$ for Band 4	符合	第 5.7 章節

備註：符合性的判定是基於測試結果符合規範的限制值或客戶的宣告要求，測試結果的判定是不考慮測量不確定度的值。

5.1 電源傳導測試

5.1.1 量測方法

待測物放置於1m*2m*0.8m之非導體桌面並離垂直牆面40cm（落地型產品置於地上），將待測物之電源線接至電源阻抗網路器(LISN)，同時保持待測物至LISN距80公分，並將電源線多餘部份以30至40公分之八字形捆綁於電源線中央並離地40cm，於在正常工作狀態下，執行待測物之火線(Line)及地線(neutral)各一次量測。

電源端點場強之測量範圍由 0.15MHz –30MHz，所量測之讀值皆為準尖峰值(Quasi-Peak Value)及平均值(Average Value)。場強接收機之解析頻寬為9kHz。

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

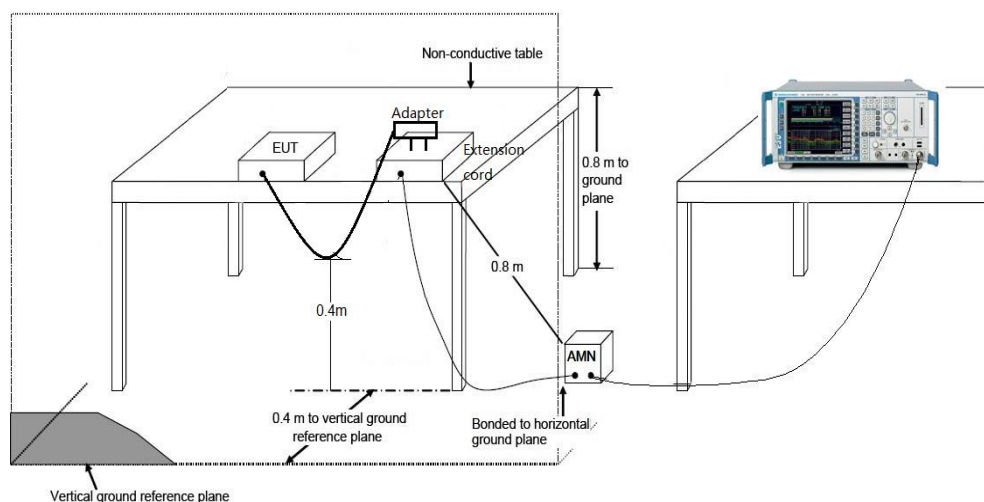
5.1.2 限制要求

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

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

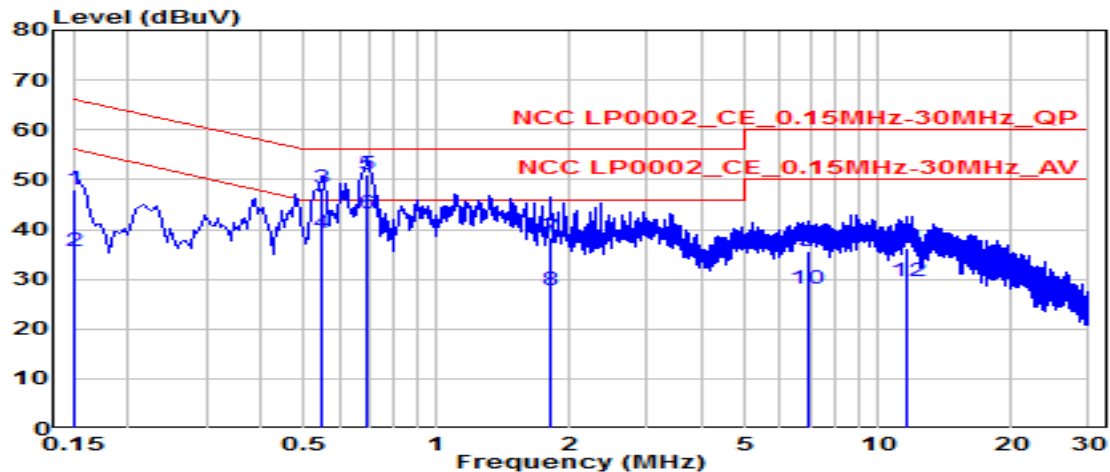
註:隨頻率之對數遞減

5.1.3 測試架構圖



5.1.4 電源端點測試結果

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-14
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	27°C / 58%
Polarity	Line1	Site / Test Engineer	SR2 / Eric
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

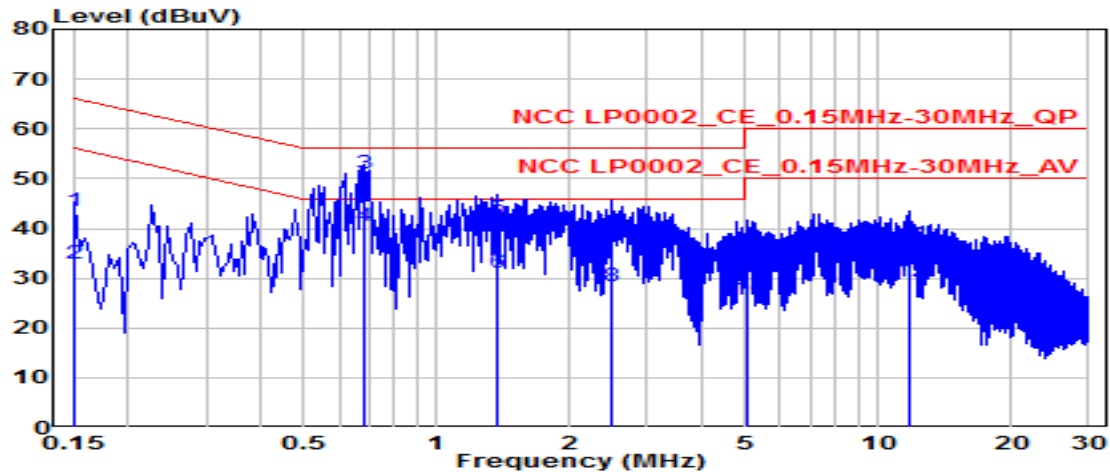


No	Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	0.150	38.54	9.61	48.15	-17.85	66.00	QP
2	0.150	26.04	9.61	35.65	-20.35	56.00	Average
3	0.550	38.81	9.63	48.44	-7.56	56.00	QP
4	0.550	29.69	9.63	39.33	-6.67	46.00	Average
5	* 0.694	41.53	9.64	51.17	-4.83	56.00	QP
6	* 0.694	33.39	9.64	43.03	-2.97	46.00	Average
7	1.819	28.61	9.68	38.30	-17.70	56.00	QP
8	1.819	18.19	9.68	27.88	-18.12	46.00	Average
9	6.904	25.94	9.79	35.73	-24.27	60.00	QP
10	6.904	18.33	9.79	28.12	-21.88	50.00	Average
11	11.561	26.31	9.89	36.20	-23.80	60.00	QP
12	11.561	19.56	9.89	29.44	-20.56	50.00	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-14
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	27°C / 58%
Polarity	Neutral	Site / Test Engineer	SR2 / Eric
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz



No	Frequency (MHz)	Reading (dBUV)	C.F (dB)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Remark (QP/PK/AV)
1	0.150	33.91	9.62	43.53	-22.47	66.00	QP
2	0.150	23.37	9.62	32.99	-23.01	56.00	Average
3	* 0.681	41.29	9.65	50.94	-5.06	56.00	QP
4	* 0.681	30.84	9.65	40.48	-5.52	46.00	Average
5	1.374	32.34	9.68	42.01	-13.99	56.00	QP
6	1.374	21.47	9.68	31.15	-14.85	46.00	Average
7	2.503	29.27	9.70	38.97	-17.03	56.00	QP
8	2.503	18.83	9.70	28.53	-17.47	46.00	Average
9	5.077	25.61	9.75	35.36	-24.64	60.00	QP
10	5.077	15.89	9.75	25.64	-24.36	50.00	Average
11	11.858	26.99	9.92	36.91	-23.09	60.00	QP
12	11.858	19.50	9.92	29.41	-20.59	50.00	Average

Note:

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

5.2 峰值傳導輸出功率

5.2.1 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，設定頻譜分析儀之解析度頻寬大於6dB發射頻寬或使用峰值功率表。除使用上述測量方式外，並得使用以最大傳導輸出功率作為測量方式（最大傳導輸出功率必須使用依據均方根等效電壓校準之儀器測量於任何連續傳輸之時段，測量結果須依儀器限制（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測量。

5.2.2 限制要求

1. 使用於5.15 GHz～5.25 GHz 頻段

(1)供戶外操作使用：

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

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

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

(2)供室內操作使用：

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

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

(3)供固定式點對點操作使用：

(A)最大傳導輸出功率應小於或等於1 W。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

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

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

(4)供用戶端裝置(Client Device)操作使用：

(A)最大傳導輸出功率應小於或等於250 mW。

(B)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

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

2. 使用頻率於5.725 GHz～5.850 GHz 頻段

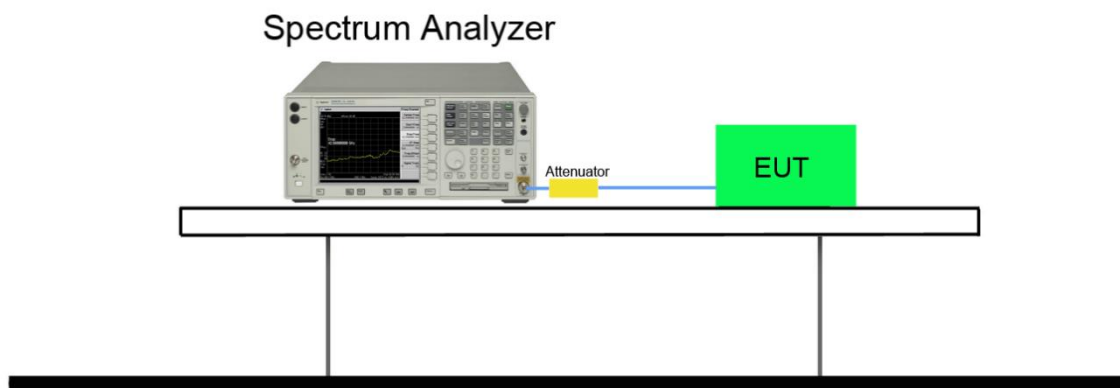
(1)最大傳導輸出功率應小於或等於1 W。

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

(3)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

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

5.2.3 測試架構圖



5.2.4 峰值傳導輸出功率測試結果

待測物名稱		8 吋強固型安卓手持裝置				測試日期				2021/9/13	
待測物型號		GT78-VNW				溫度 / 濕度				23°C / 55%	
測試場地 / 測試工程師		SR5 / Peter									
5GHz 802.11a RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power								Required Limit	
		For different Data Rate (Mbps)									
		6	9	12	18	24	36	48	54		
36	5180	15.85	--	--	--	--	--	--	--	24 dBm	
44	5220	15.77	15.76	15.75	15.73	15.72	15.39	15.14	15.08	24 dBm	
48	5240	15.87	--	--	--	--	--	--	--	24 dBm	
149	5745	14.91	--	--	--	--	--	--	--	30 dBm	
157	5785	15.35	15.33	15.31	15.29	15.28	15.21	15.16	15.08	30 dBm	
165	5825	15.03	--	--	--	--	--	--	--	30 dBm	
5GHz 802.11n-HT20 RF Output Power (dBm)											
Channel No.	Frequency (MHz)	Average Power								Required Limit	
		For different Data Rate (Mbps)									
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7		
36	5180	9.83	--	--	--	--	--	--	--	24 dBm	
44	5220	8.80	8.69	8.52	8.44	8.33	8.25	8.14	8.04	24 dBm	
48	5240	7.08	--	--	--	--	--	--	--	24 dBm	
149	5745	14.77	--	--	--	--	--	--	--	30 dBm	
157	5785	14.96	14.95	14.94	14.93	14.92	14.90	14.88	14.86	30 dBm	
165	5825	15.01	--	--	--	--	--	--	--	30 dBm	

備 註：

1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1 Cable Loss=1.2dB, Band4 Cable Loss=1.5dB)

5GHz 802.11ac-VHT20 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power										Required Limit
		For different Data Rate (Mbps)										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
36	5180	9.29	--	--	--	--	--	--	--	--	--	30 dBm
44	5220	8.66	8.62	8.60	8.59	8.58	8.57	8.55	8.53	8.52	8.51	30 dBm
48	5240	7.07	--	--	--	--	--	--	--	--	--	30 dBm
149	5745	13.99	--	--	--	--	--	--	--	--	--	30 dBm
157	5785	14.36	14.33	14.31	14.29	14.27	14.25	14.24	14.22	14.19	14.16	30 dBm
165	5825	14.09	--	--	--	--	--	--	--	--	--	30 dBm
5GHz 802.11n-HT40 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power								Required Limit		
		For different Data Rate (Mbps)										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7			
38	5190	9.78	--	--	--	--	--	--	--	--	30 dBm	
46	5230	8.29	8.11	8.06	7.94	7.83	7.82	7.81	7.79		30 dBm	
151	5755	14.57	--	--	--	--	--	--	--		30 dBm	
159	5795	14.87	14.77	14.67	14.58	14.41	14.36	14.30	14.27		30 dBm	

備 註：

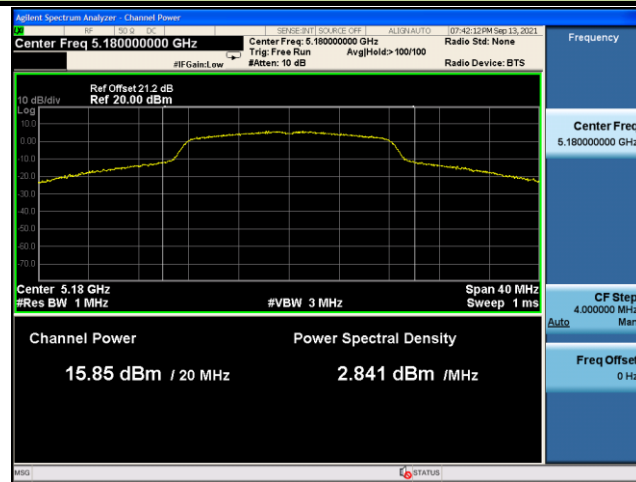
1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1 Cable Loss=1.2dB, Band4 Cable Loss=1.5dB)

5GHz 802.11ac-VHT40 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power										Required Limit
		For different Data Rate (Mbps)										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
38	5190	9.47	--	--	--	--	--	--	--	--	--	30 dBm
46	5230	8.03	7.95	7.91	7.86	7.79	7.76	7.74	7.72	7.70	7.67	30 dBm
151	5755	13.86	--	--	--	--	--	--	--	--	--	30 dBm
159	5795	14.00	13.98	13.96	13.95	13.94	13.93	13.91	13.90	13.88	13.86	30 dBm
5GHz 802.11ac-VHT80 RF Output Power (dBm)												
Channel No.	Frequency (MHz)	Average Power										Required Limit
		For different Data Rate (Mbps)										
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	MCS8	MCS9	
42	5210	9.59	9.55	9.51	9.48	9.44	9.28	9.16	9.10	8.95	8.90	30 dBm
155	5775	13.02	12.94	12.75	12.59	12.47	12.38	12.29	12.17	12.12	12.02	30 dBm

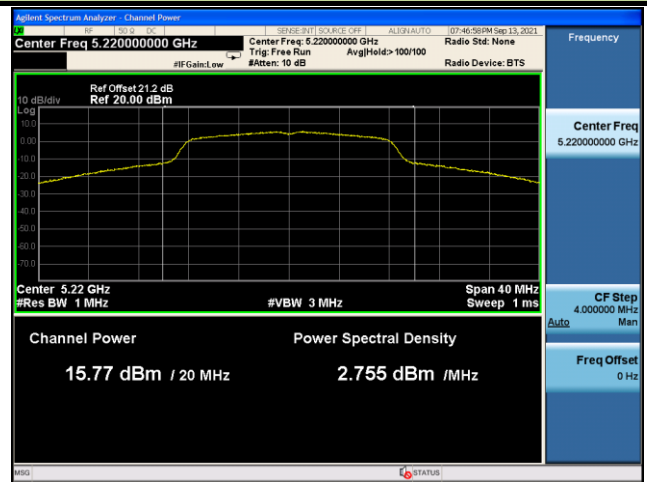
備 註：

1. 此項量測係採用頻譜分析儀。
2. 此量測值已含工作週期因子及線材損耗(Band1 Cable Loss=1.2dB, Band4 Cable Loss=1.5dB)

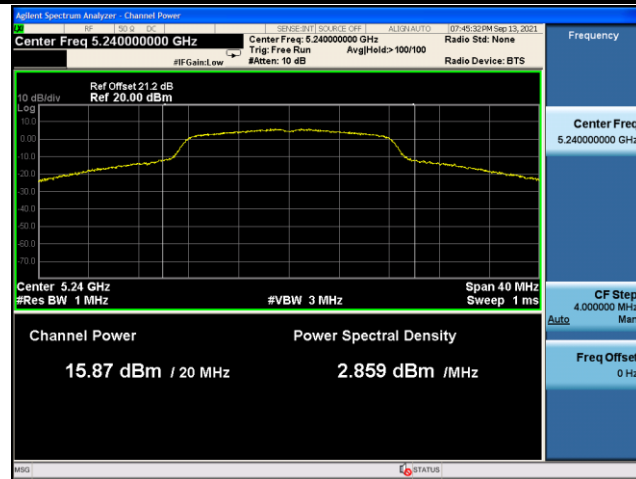
802.11 a CH36 (5180MHz)



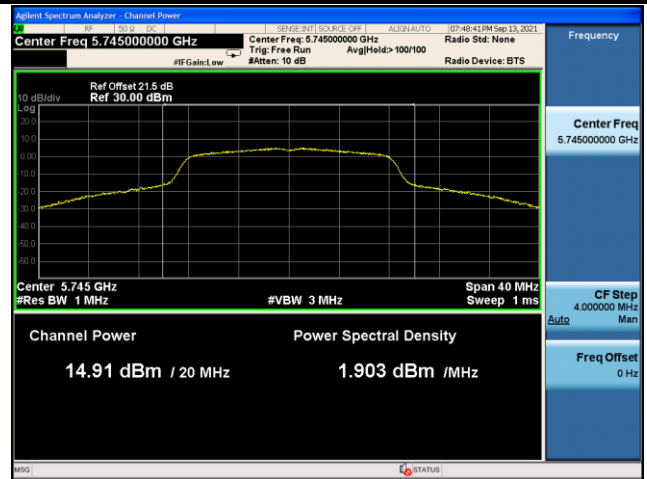
802.11 a CH44 (5220MHz)



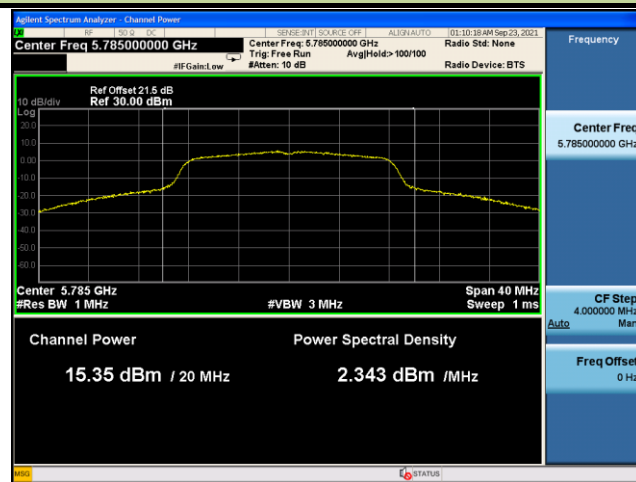
802.11 a CH48 (5240MHz)



802.11 a CH149 (5745MHz)



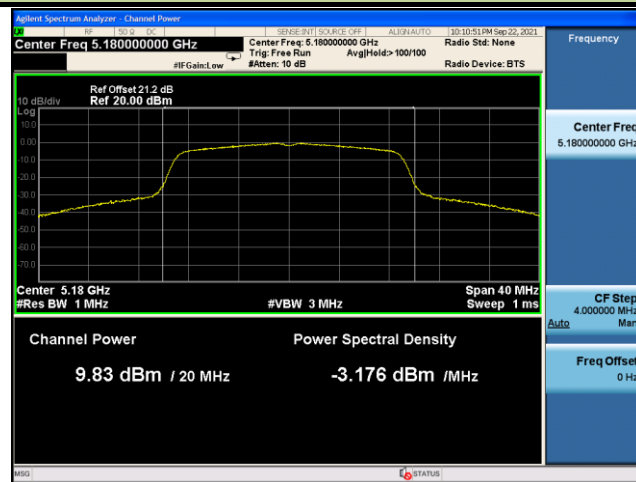
802.11 a CH157 (5785MHz)



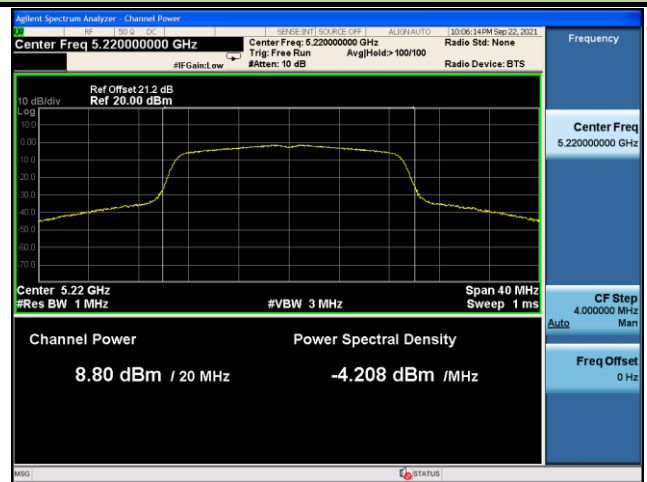
802.11 a CH165 (5825MHz)



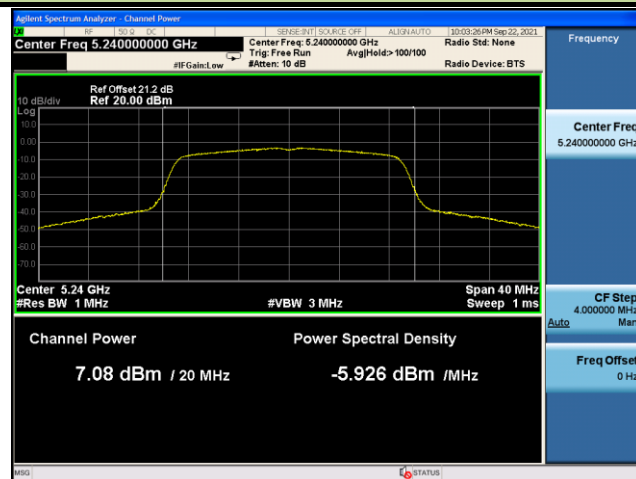
802.11 n-HT20 CH36 (5180MHz)



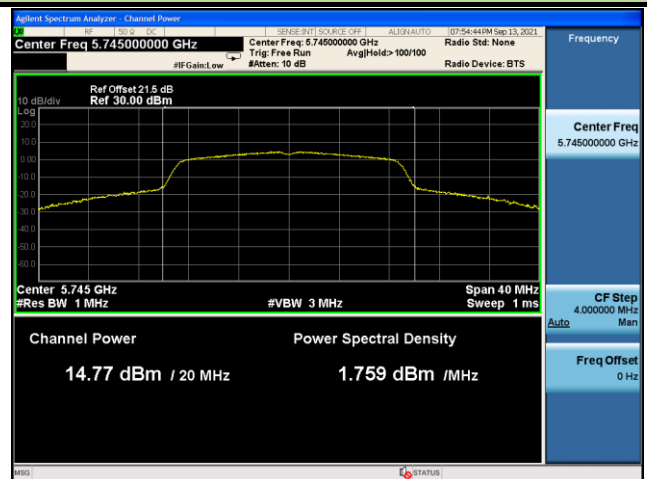
802.11 n-HT20 CH44 (5220MHz)



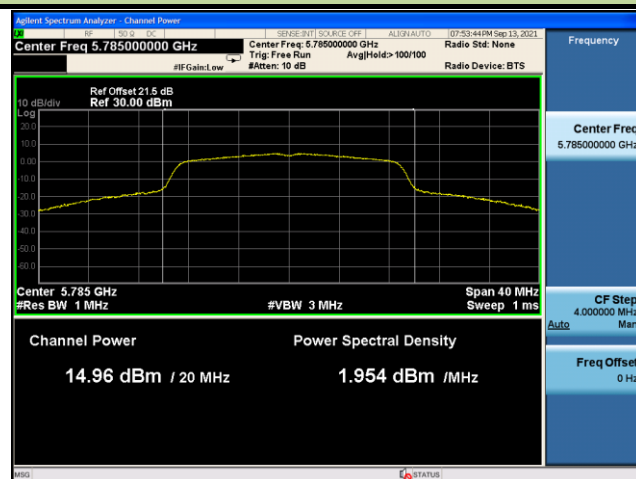
802.11 n-HT20 CH48 (5240MHz)



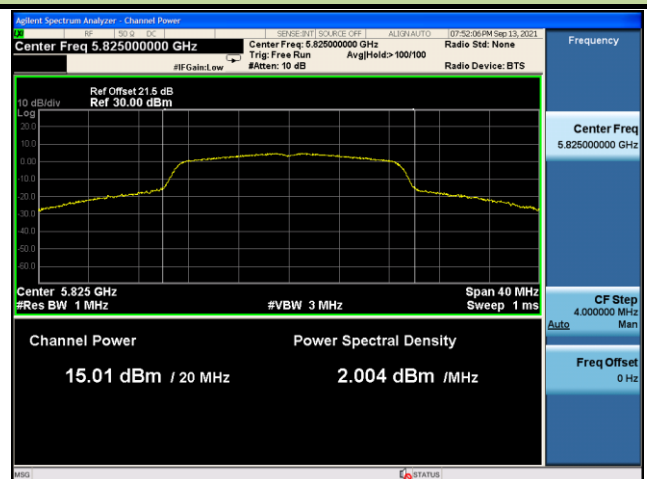
802.11 n-HT20 CH149 (5745MHz)



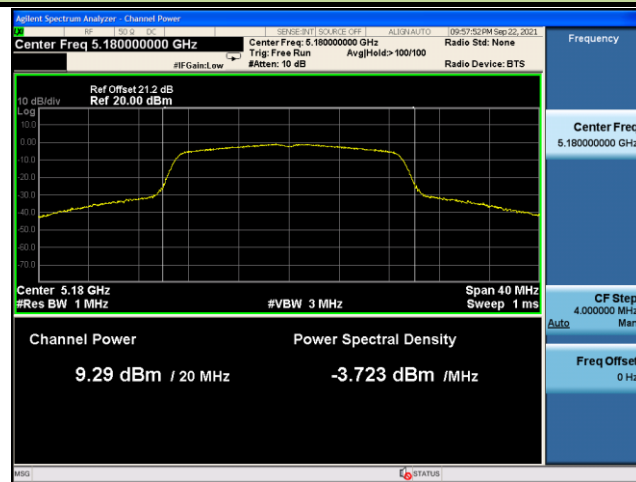
802.11 n-HT20 CH157 (5785MHz)



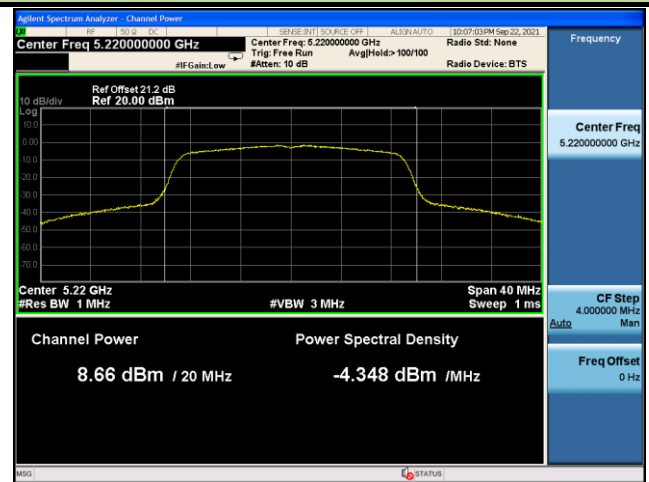
802.11 n-HT20 CH165 (5825MHz)



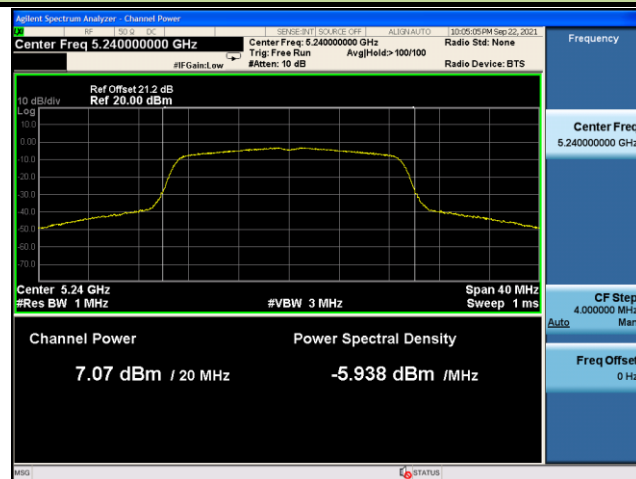
802.11 ac-VHT20 CH36 (5180MHz)



802.11 ac-VHT20 CH44 (5220MHz)



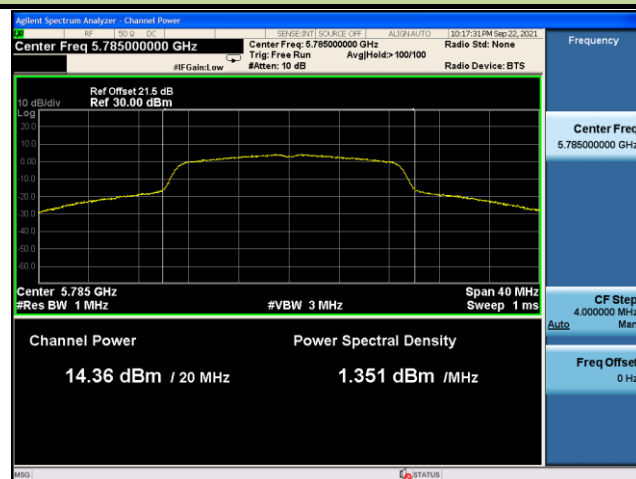
802.11 ac-VHT20 CH48 (5240MHz)



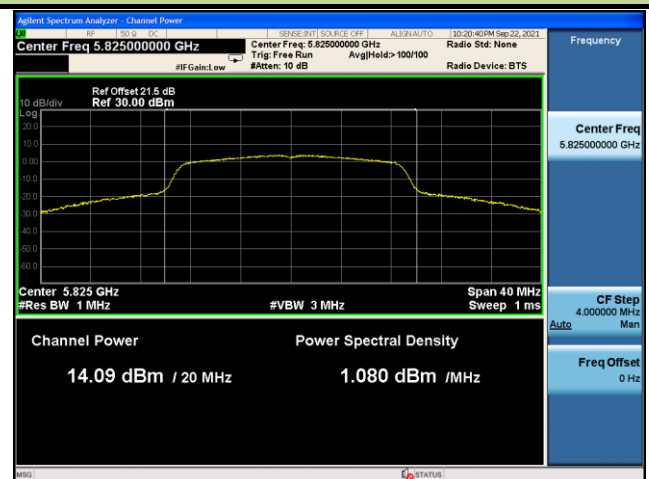
802.11 ac-VHT20 CH149 (5745MHz)

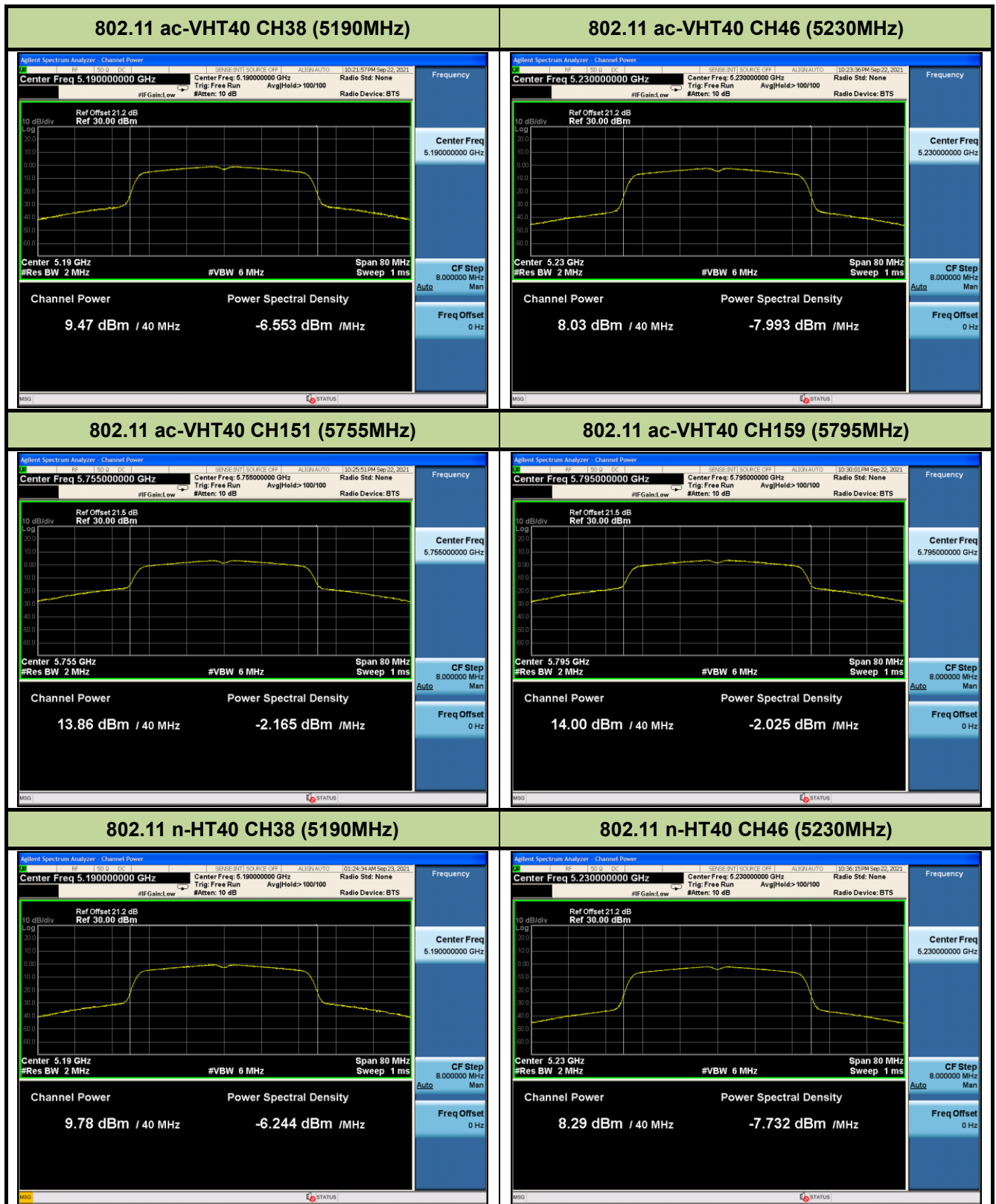


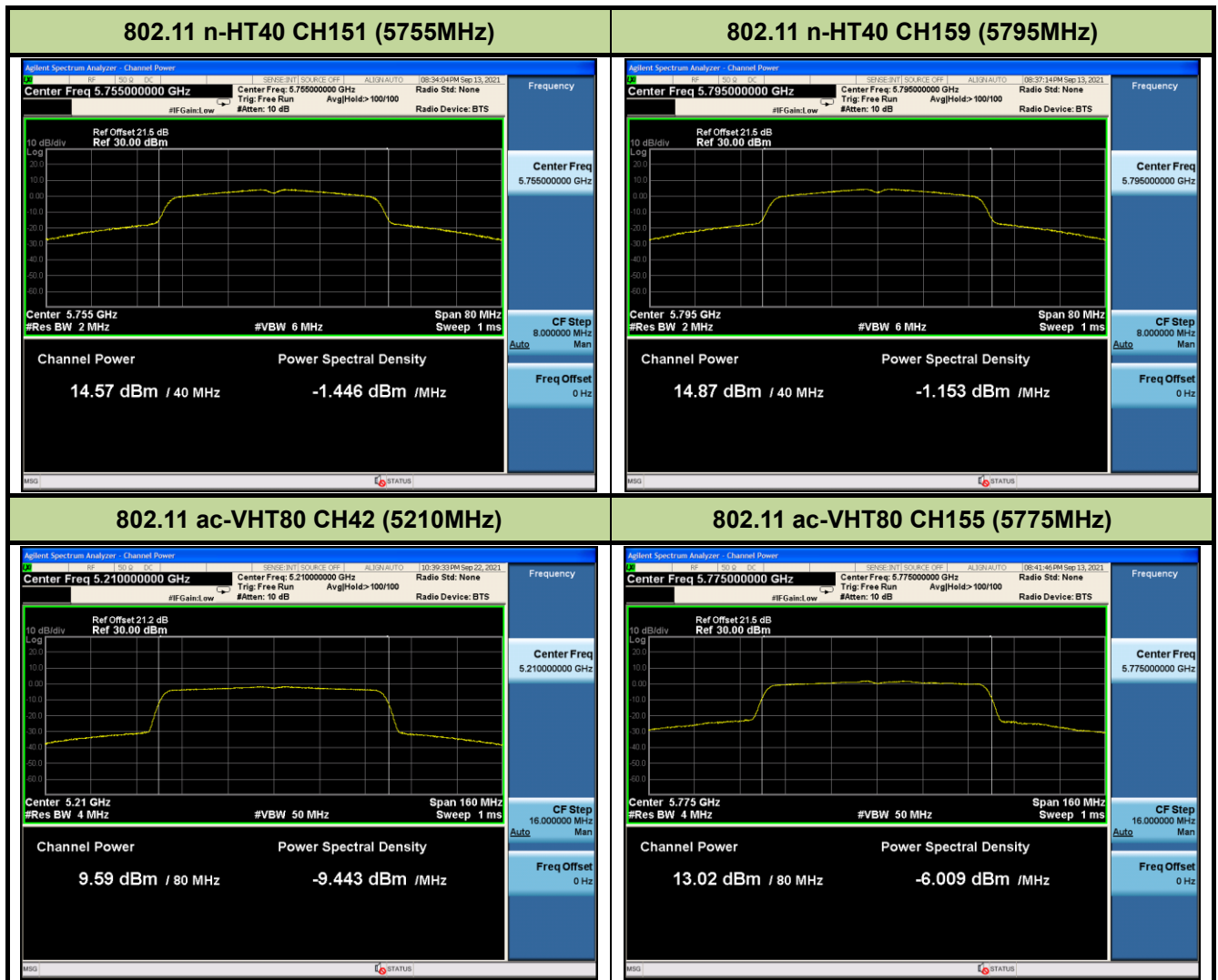
802.11 ac-VHT20 CH157 (5785MHz)



802.11 ac-VHT20 CH165 (5825MHz)







5.3 天線之要求

5.3.1 限制要求

依據國家通訊傳播委員會低功率射頻器材技術規範之第5.7.8節規定，天線之規格可不受下述規定之限制。

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

5.3.2 天線樣式

此 GT78-VNW 其天線為 FPCB Antenna Type，(檢附天線規格書)

Antenna List

No.	Brand	Part No.	Peak Gain
1	SUNNYWAY	SZ21152IB75-3	2.05dBi

5.4 輻射電場強度

5.4.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度，接收天線並應於水平及垂直極化方向各量測一次。（待測物擺設方式根據 ANSI C63.10-2013 版本，待測物放置桌中心，1G 以下擺設高度為 80cm/1G 以上擺設高度為 150cm）

備註：若為手持式或穿戴式之裝置，需對其三個正交軸的方位評估測試，並記錄最差的數值。

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

5.4.2 限制要求

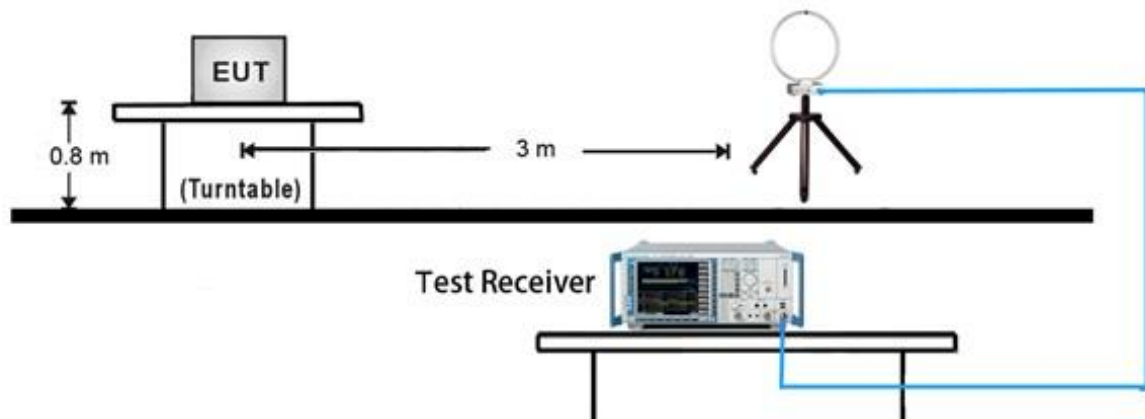
其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

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

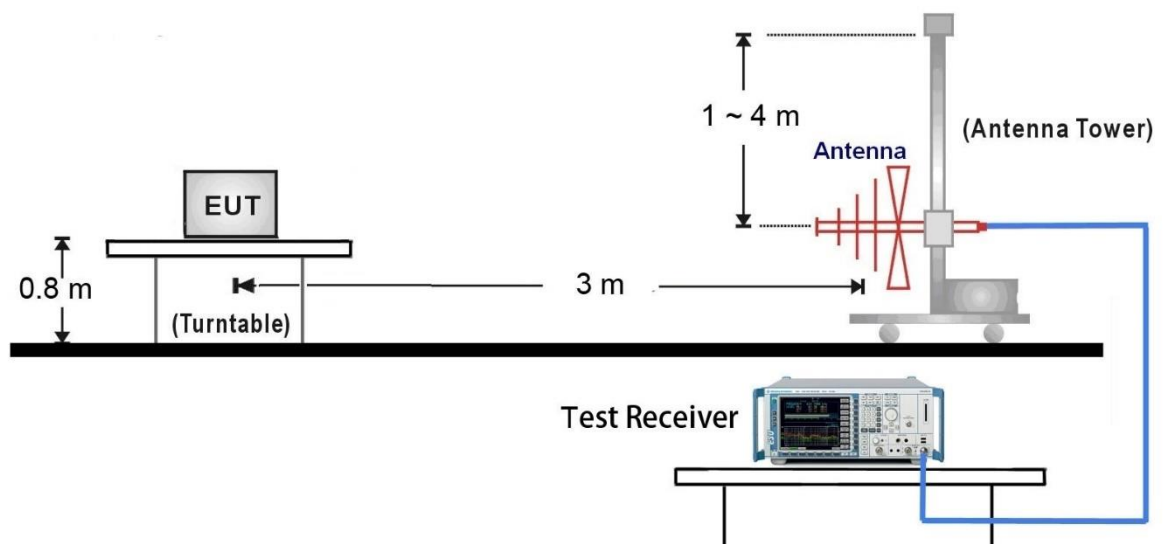
上表規定之電場強度，發射頻率在 9 kHz~90 kHz、110 kHz~490 kHz 及 1000MHz 以上者，其量測應以平均值檢波器為基準，且須符合低功率射頻器材技術規範第 6.14.節之規定；其他發射頻率，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時，應符合第 6.5 節之規定，而輻射發射之量測頻率範圍須符合低功率射頻器材技術規範第 6.12 節之規定。

5.4.3 測試架構圖

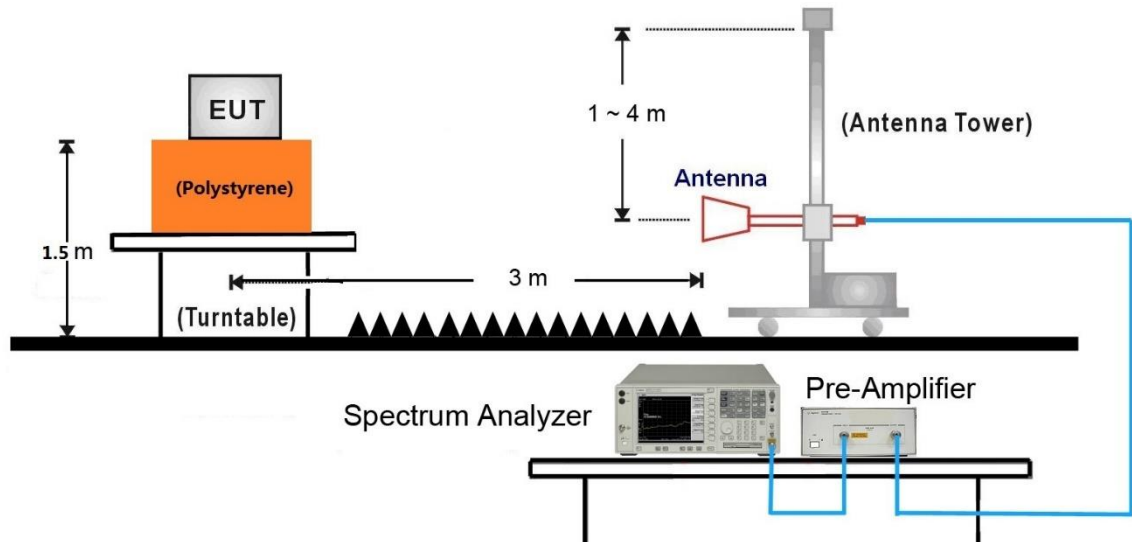
Under 30MHz Test



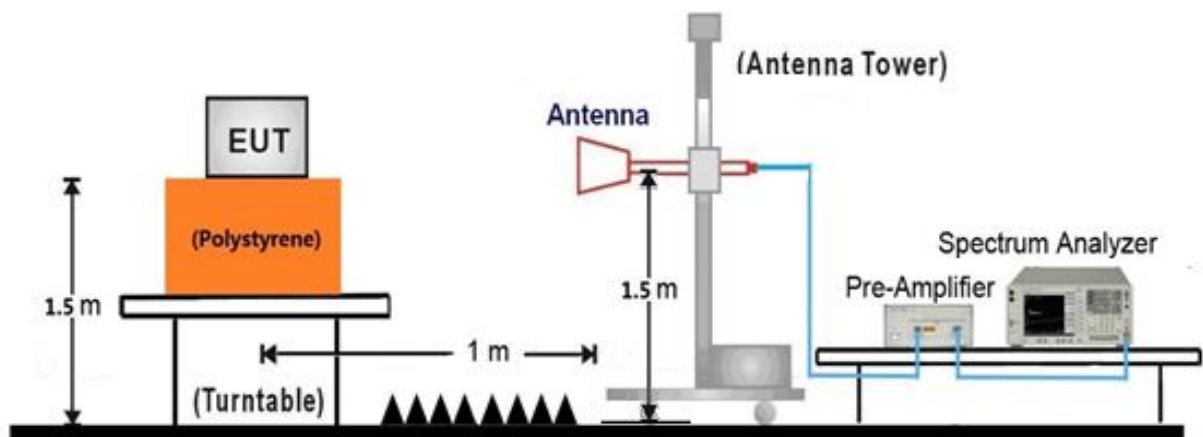
Under 1GHz Test Setup



1GHz ~ 18GHz Test Setup:

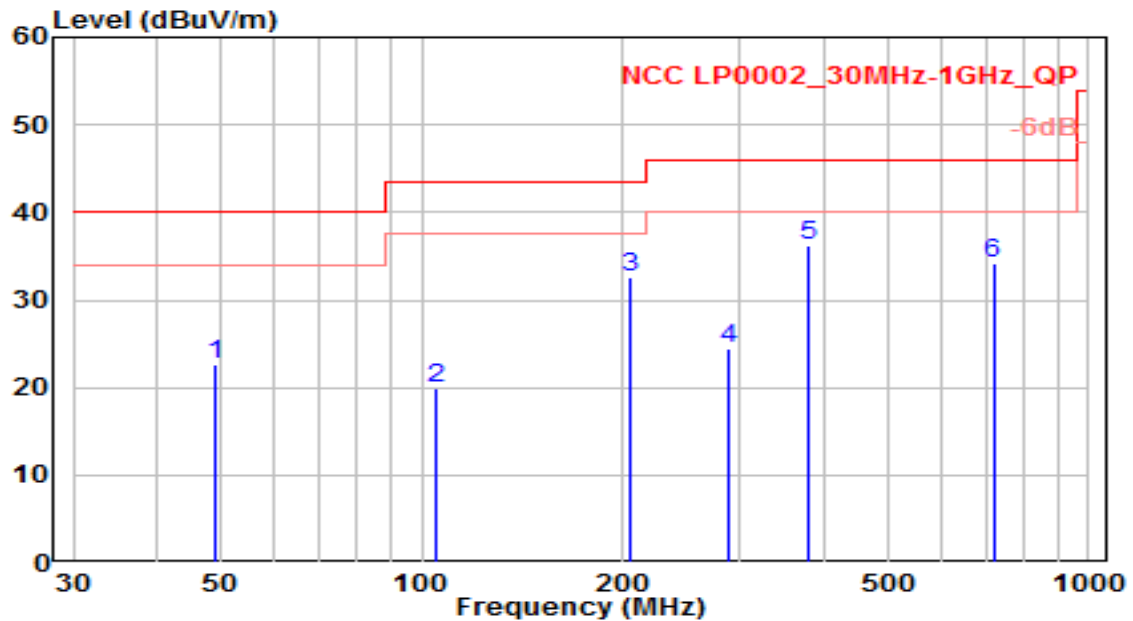


18GHz ~25GHz Test Setup:



5.4.4 輻射電場強度測試結果

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-15
Factor	VULB 9162	Temp. / Humidity	24°C / 51%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

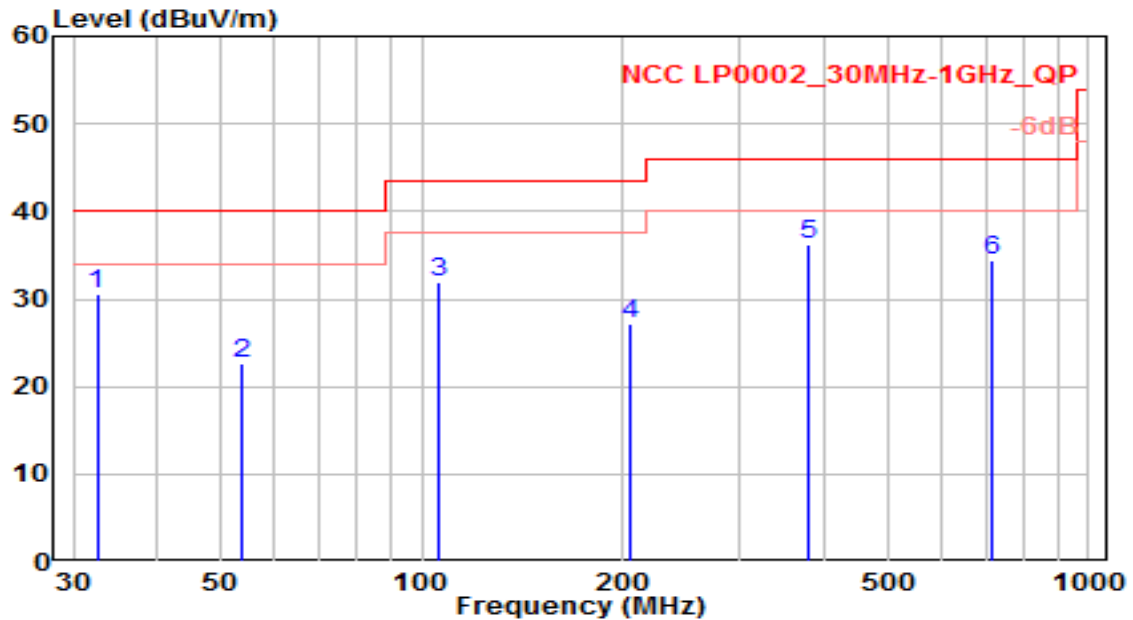


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	49.151	0.68	22.01	22.69	-17.31	40.00	100	230	QP
2	104.560	1.05	18.97	20.01	-23.49	43.50	100	65	QP
3	204.560	13.55	19.04	32.59	-10.91	43.50	100	25	QP
4	288.561	3.16	21.23	24.39	-21.61	46.00	100	325	QP
5	* 379.562	12.59	23.72	36.31	-9.69	46.00	100	185	QP
6	719.559	4.57	29.63	34.20	-11.80	46.00	100	130	QP

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-15
Factor	VULB 9162	Temp. / Humidity	24°C / 51%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

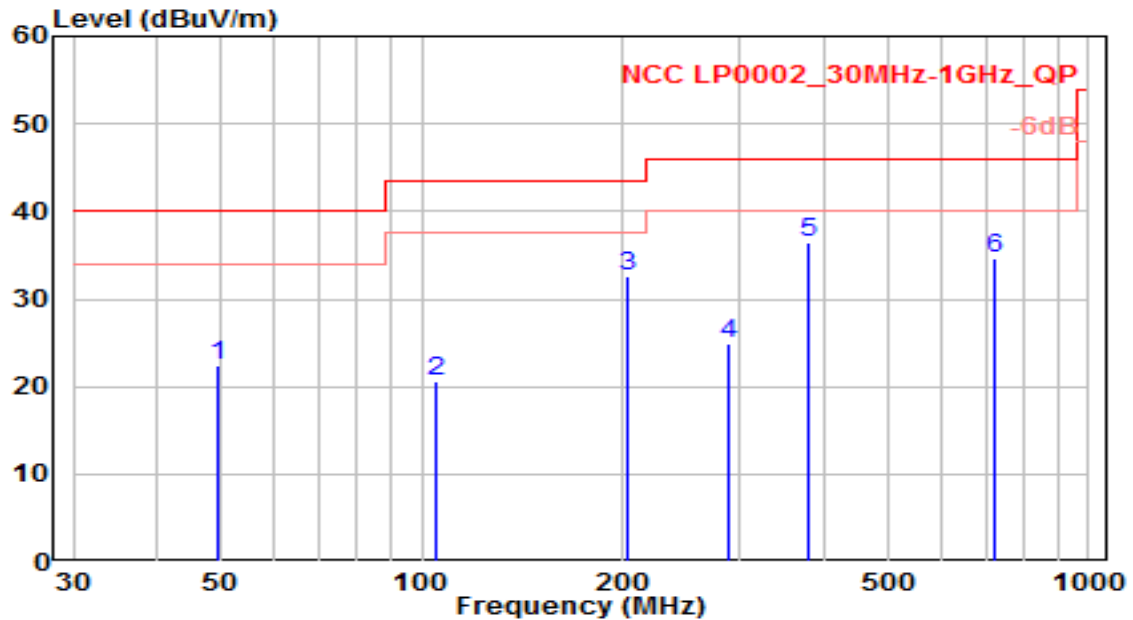


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 32.556	11.59	18.87	30.46	-9.54	40.00	100	220	QP
2	53.564	1.26	21.39	22.65	-17.35	40.00	100	155	QP
3	105.551	12.89	18.92	31.81	-11.69	43.50	100	350	QP
4	204.646	8.16	19.04	27.19	-16.31	43.50	100	30	QP
5	379.200	12.49	23.71	36.20	-9.80	46.00	100	170	QP
6	715.566	4.95	29.57	34.51	-11.49	46.00	100	85	QP

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-15
Factor	VULB 9162	Temp. / Humidity	24°C / 51%
Polarity	Horizontal	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

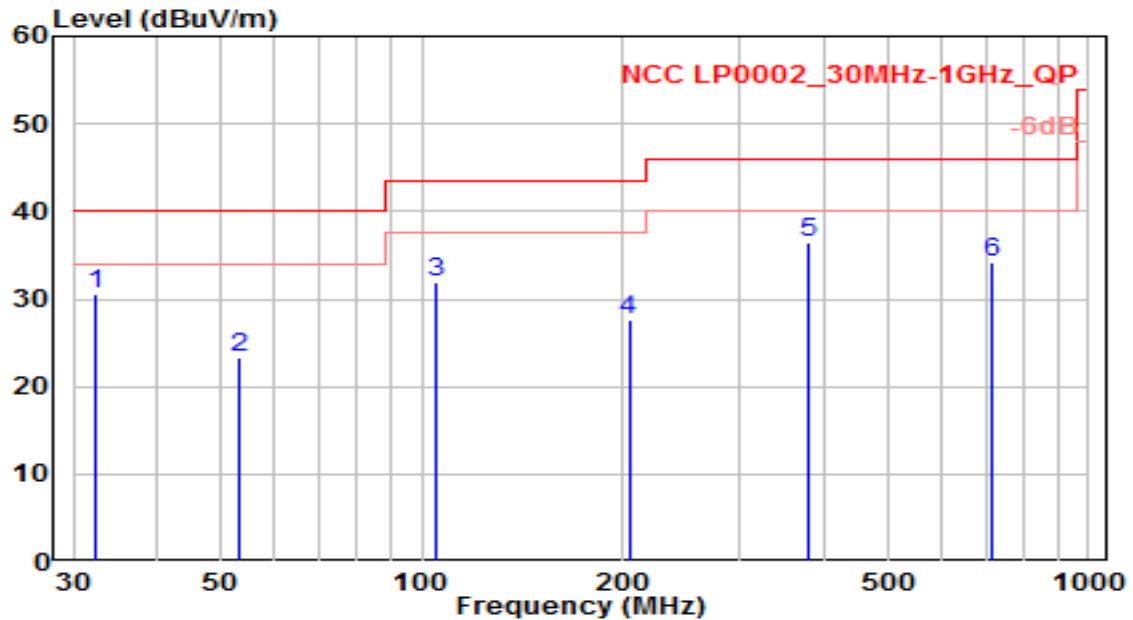


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	49.381	0.47	22.02	22.49	-17.51	40.00	100	240	QP
2	104.685	1.65	18.96	20.61	-22.89	43.50	100	75	QP
3	204.342	13.66	19.05	32.71	-10.79	43.50	100	30	QP
4	288.553	3.67	21.23	24.90	-21.10	46.00	100	320	QP
5	* 379.330	12.66	23.72	36.38	-9.62	46.00	100	175	QP
6	719.726	4.93	29.63	34.56	-11.44	46.00	100	135	QP

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-15
Factor	VULB 9162	Temp. / Humidity	24°C / 51%
Polarity	Vertical	Site / Test Engineer	AC1 / Volvo
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

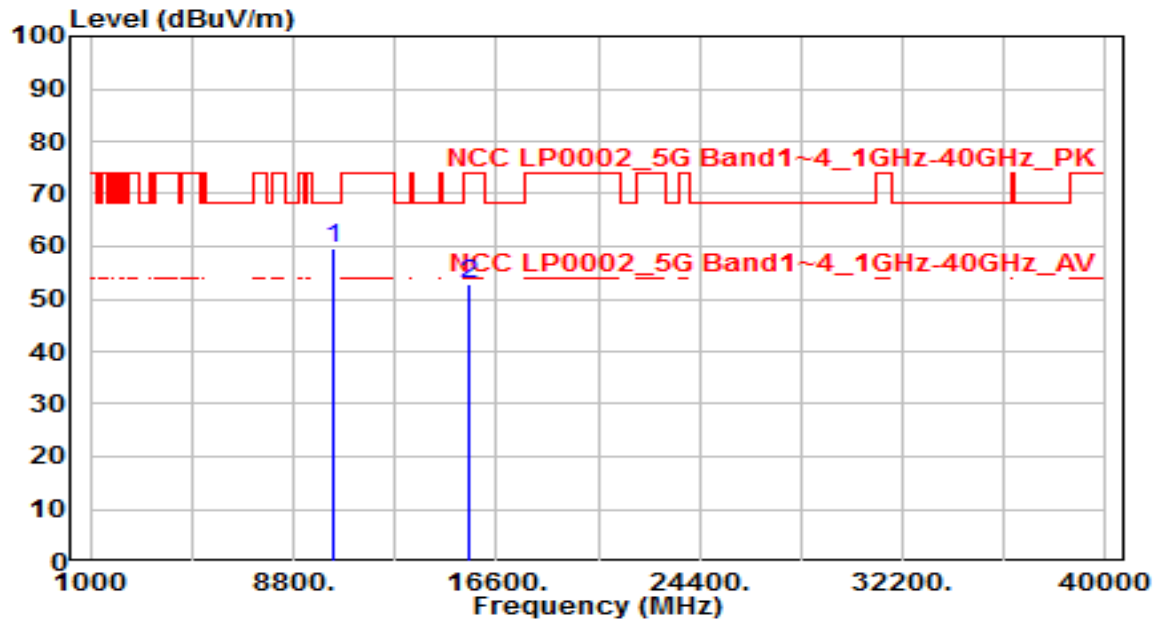


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 32.341	11.70	18.83	30.53	-9.47	40.00	100	230	QP
2	53.361	1.99	21.43	23.42	-16.58	40.00	100	160	QP
3	105.361	12.97	18.93	31.90	-11.60	43.50	100	345	QP
4	204.360	8.63	19.05	27.68	-15.82	43.50	100	25	QP
5	379.388	12.67	23.72	36.39	-9.61	46.00	100	165	QP
6	715.365	4.66	29.56	34.22	-11.78	46.00	100	90	QP

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Eric
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

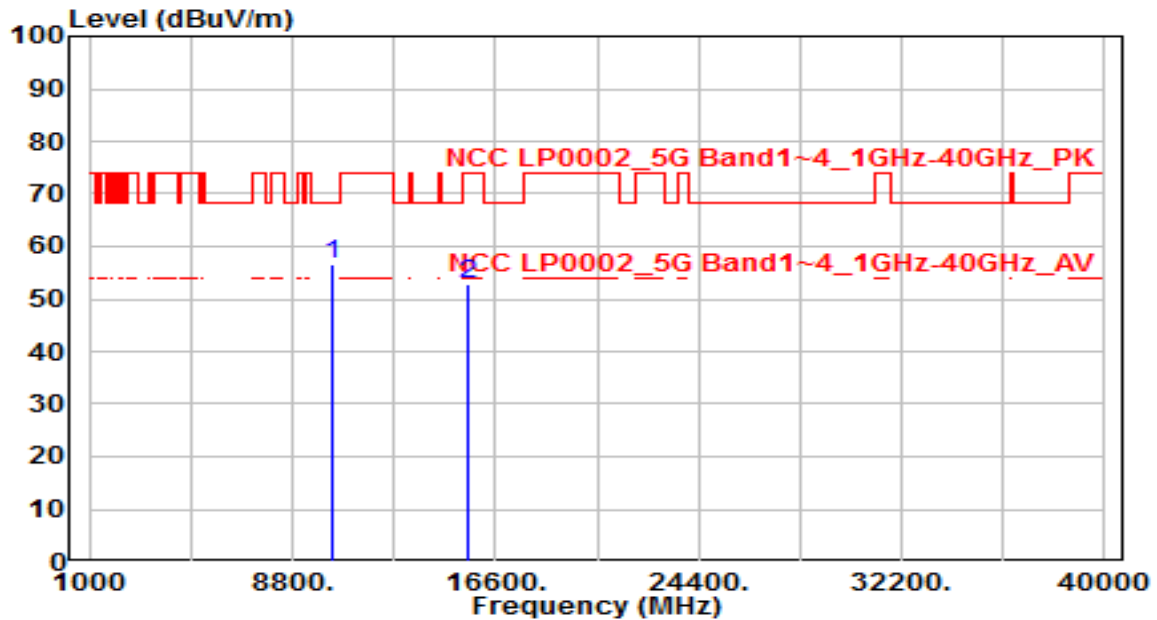


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	41.57	18.01	59.58	-8.62	68.20	150	360	Peak
2	15540.000	31.58	21.25	52.84	-21.16	74.00	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No1 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Eric
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

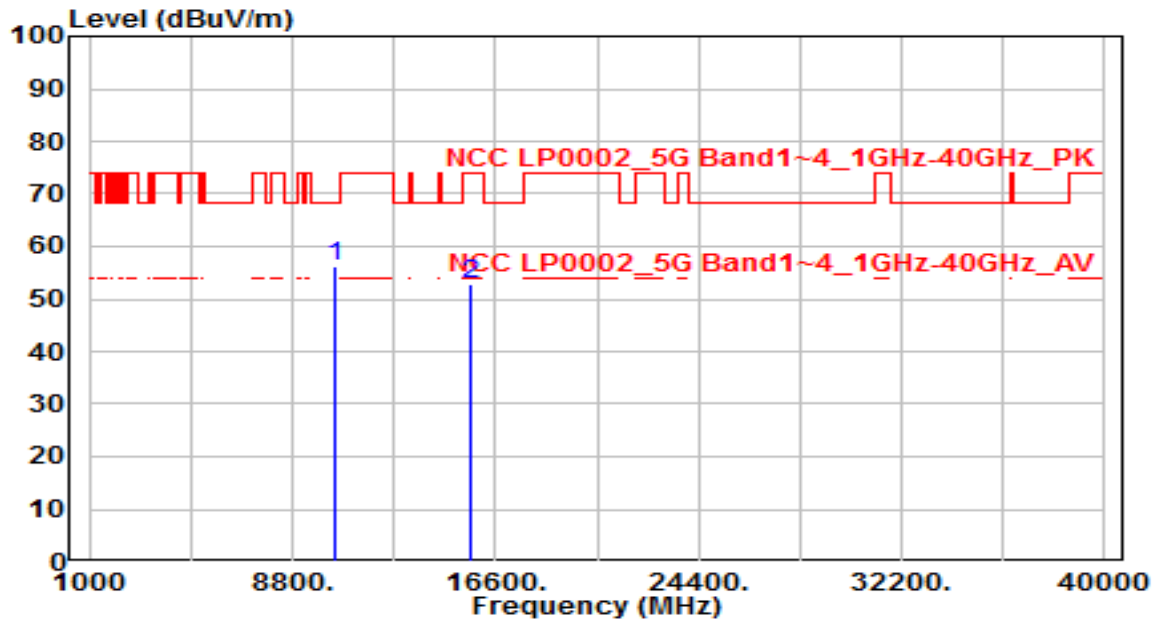


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10360.000	38.70	18.01	56.70	-11.50	68.20	150	360	Peak
2	15540.000	31.67	21.25	52.92	-21.08	74.00	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No1 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Eric
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

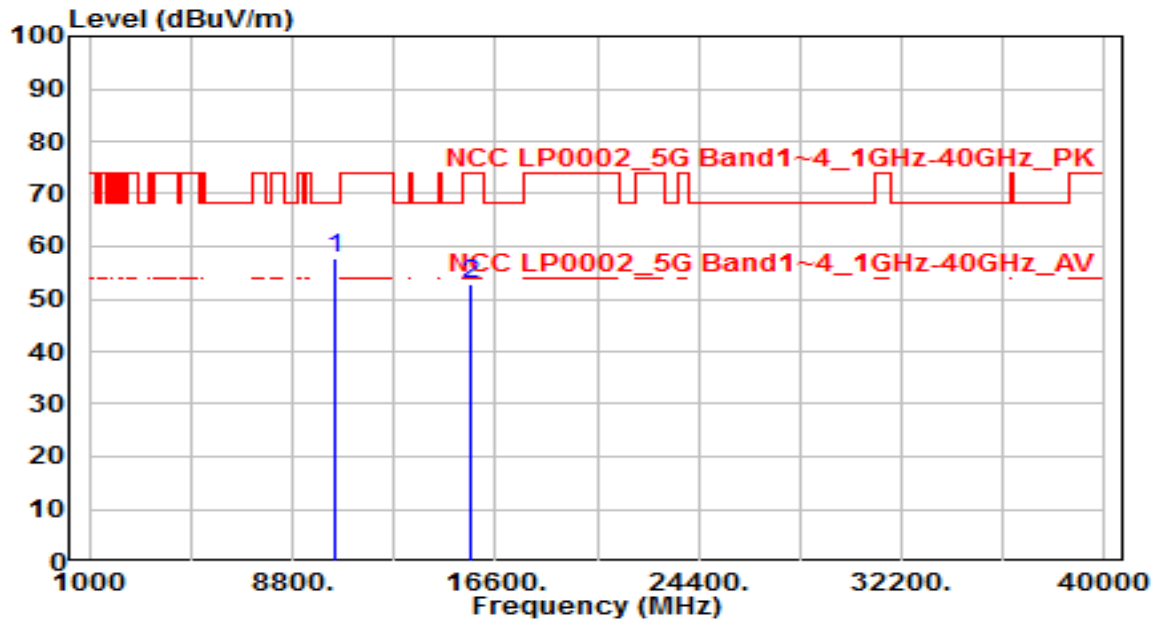


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	37.81	18.33	56.14	-12.06	68.20	150	360	Peak
2	15657.720	31.94	20.96	52.90	-21.10	74.00	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No1 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Eric
Test Mode	802.11a_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

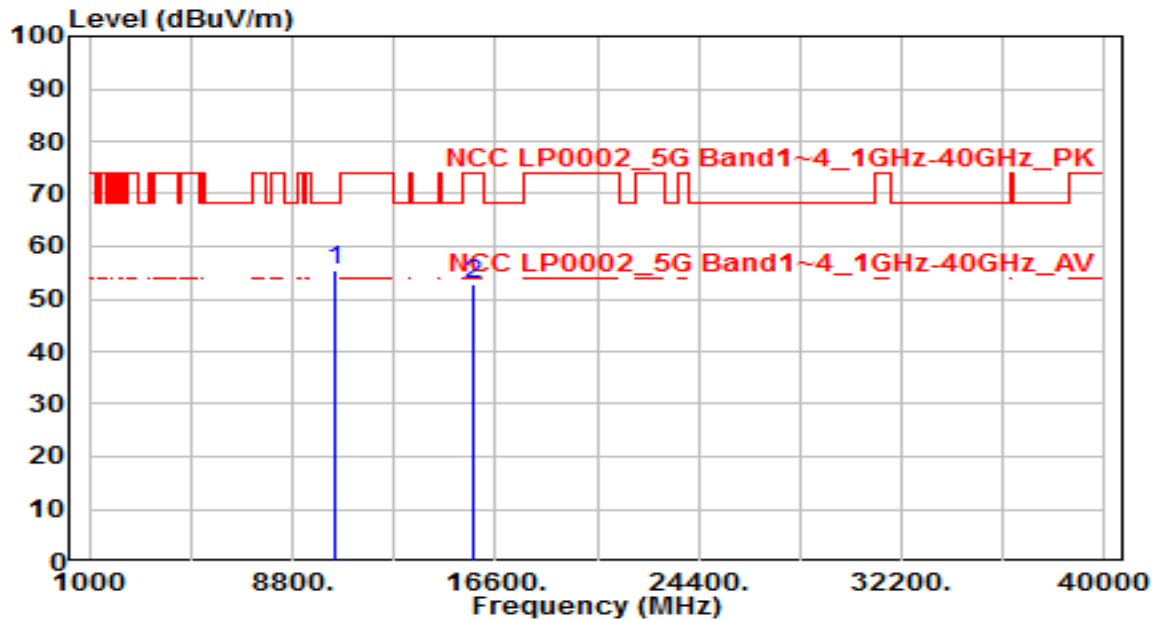


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10440.000	39.59	18.33	57.92	-10.28	68.20	150	360	Peak
2	15658.250	31.74	20.96	52.70	-21.30	74.00	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No1 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Eric
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

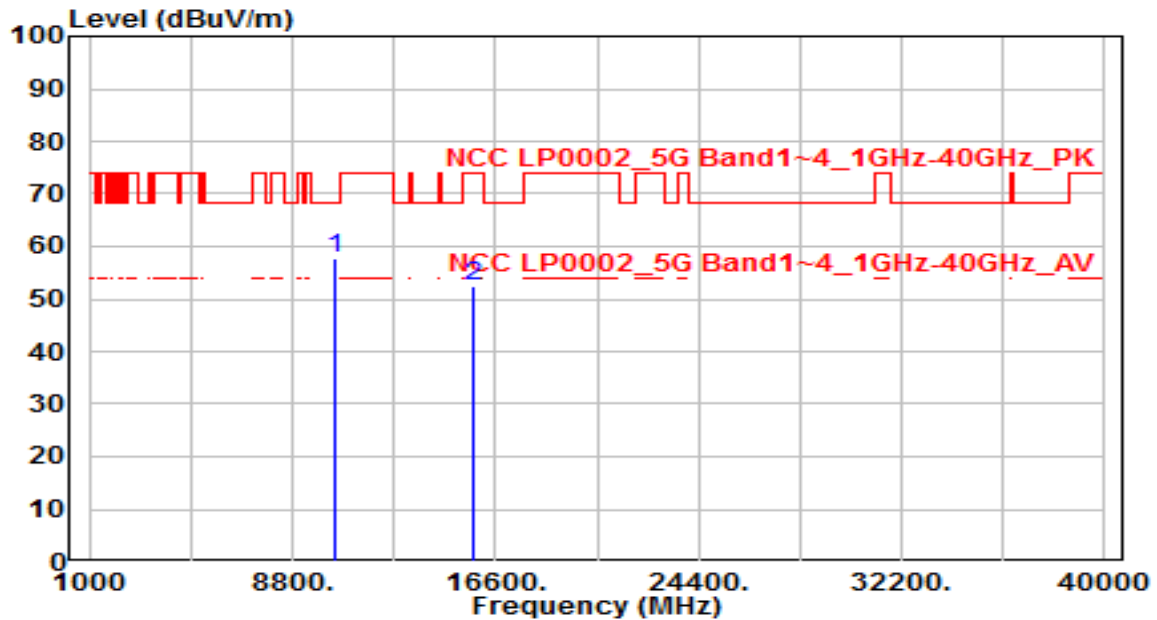


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	37.07	18.49	55.56	-12.64	68.20	150	360	Peak
2	15720.000	32.06	20.80	52.86	-21.14	74.00	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No1 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Eric
Test Mode	802.11a_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

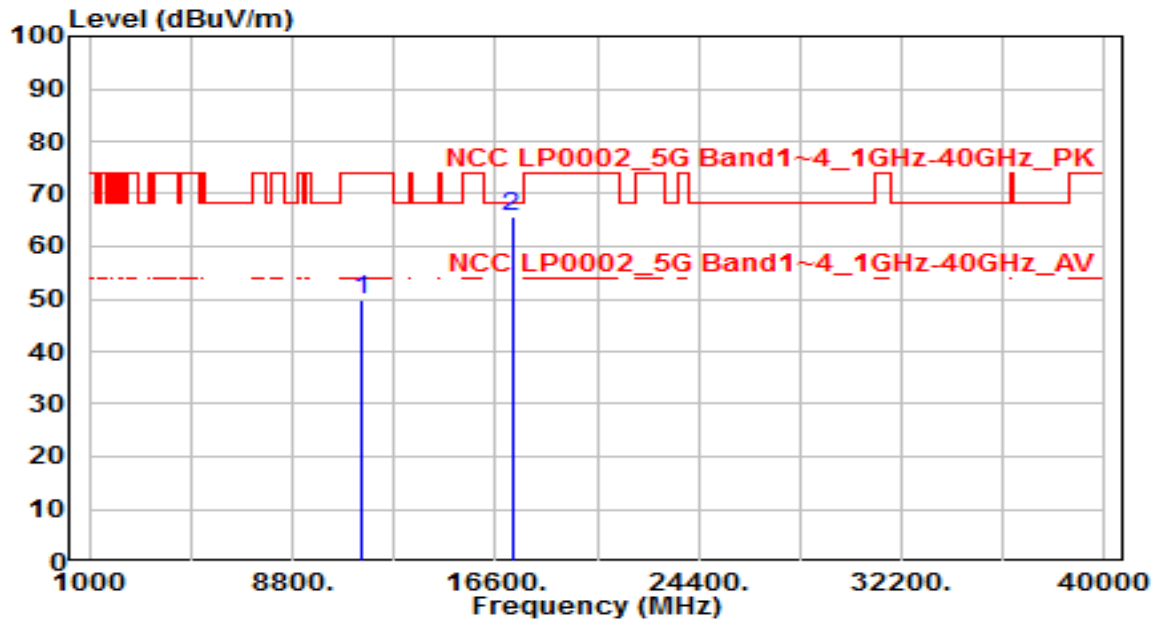


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 10480.000	39.34	18.49	57.83	-10.37	68.20	150	360	Peak
2	15720.000	31.53	20.80	52.34	-21.66	74.00	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No1 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

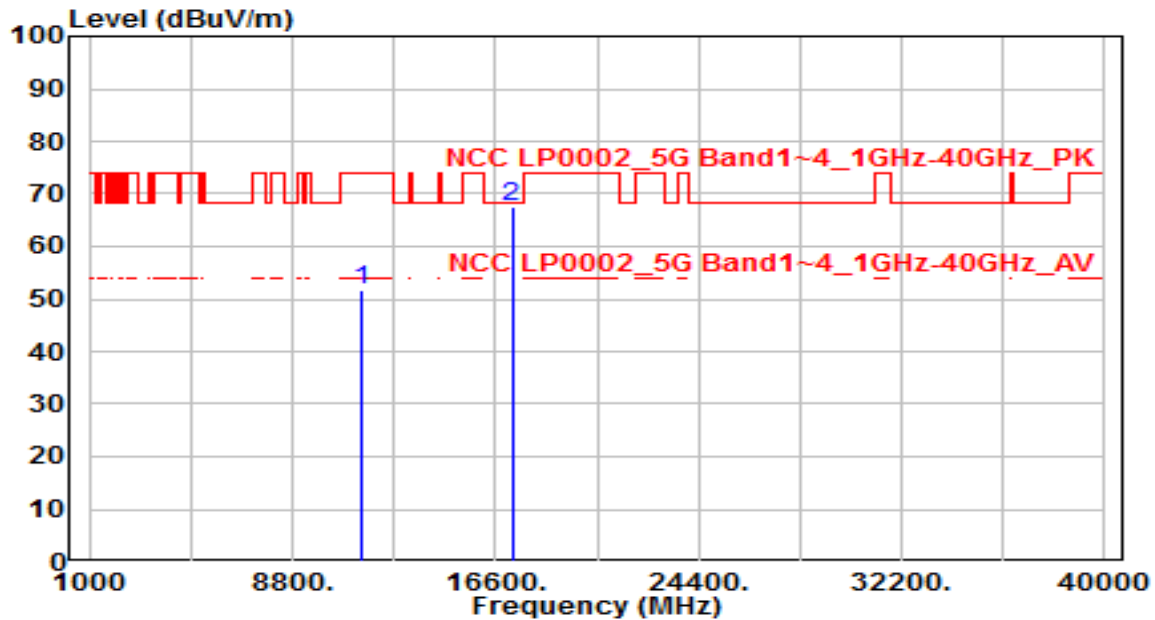


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	29.95	20.03	49.99	-24.01	74.00	150	360	Peak
2	* 17235.000	39.52	26.08	65.60	-2.60	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

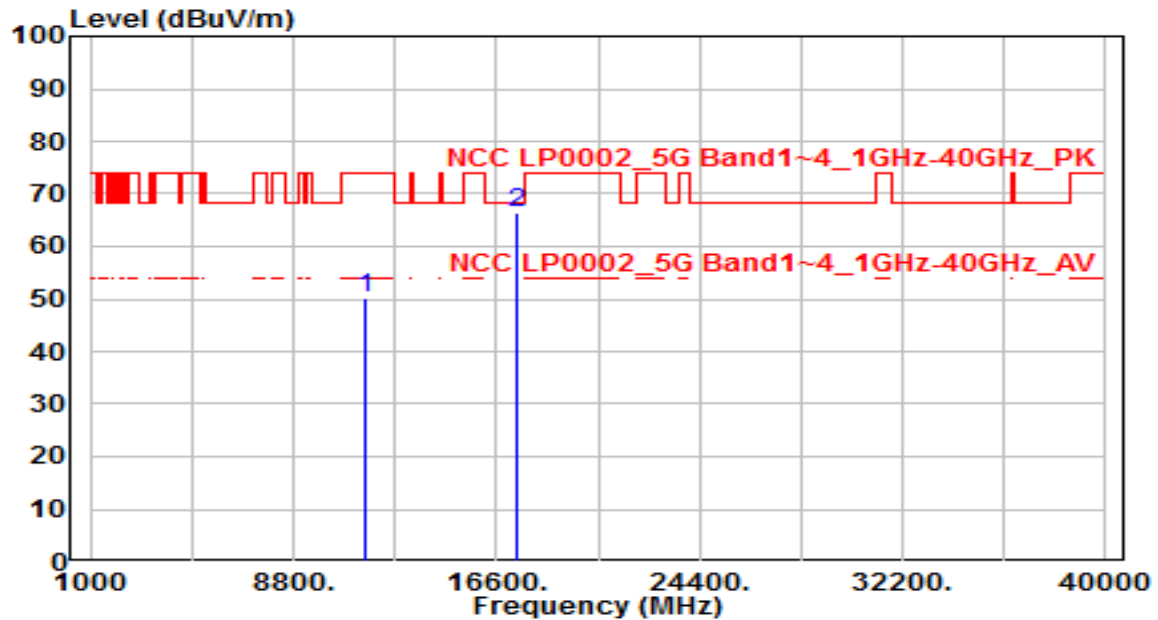


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	31.73	20.03	51.76	-22.24	74.00	150	360	Peak
2	* 17235.000	41.30	26.08	67.38	-0.82	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 157_ANT 0	Test Voltage	AC 110V/60Hz

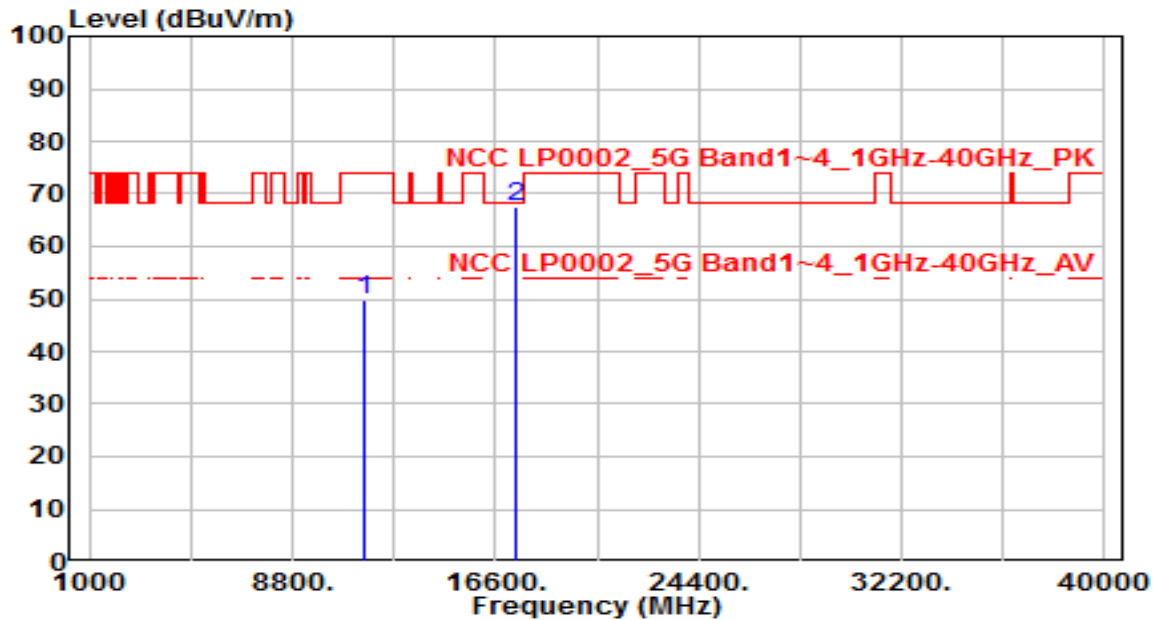


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	30.45	19.89	50.35	-23.65	74.00	150	360	Peak
2	* 17355.000	39.67	26.87	66.55	-1.65	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 157_ANT 0	Test Voltage	AC 110V/60Hz

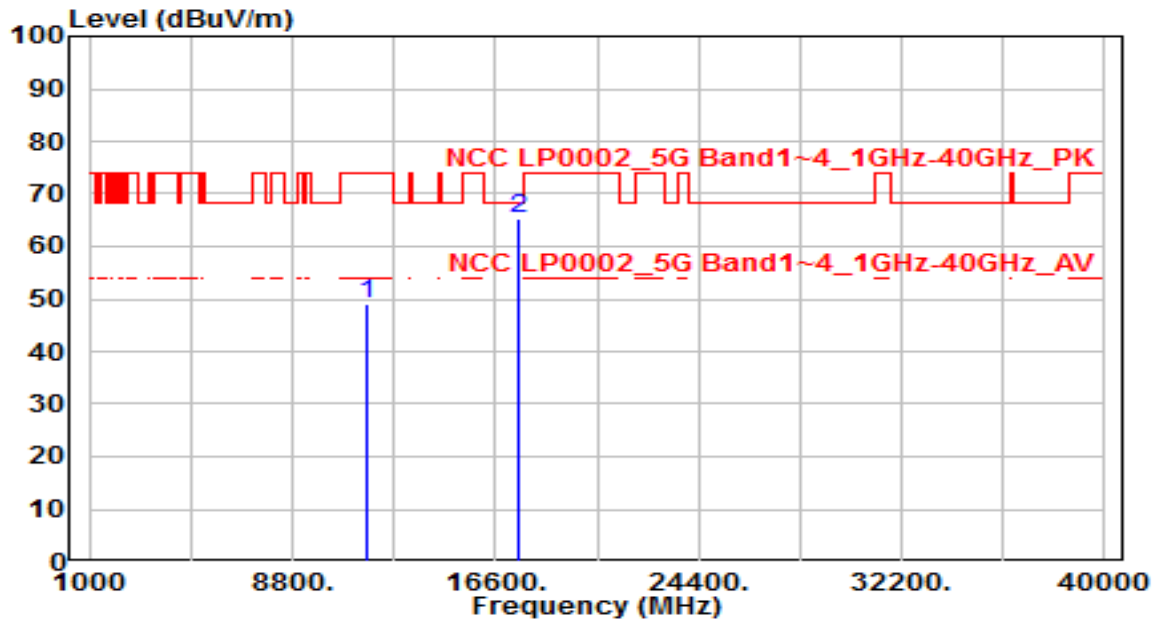


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	30.09	19.89	49.98	-24.02	74.00	150	360	Peak
2	* 17355.000	40.49	26.87	67.37	-0.83	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

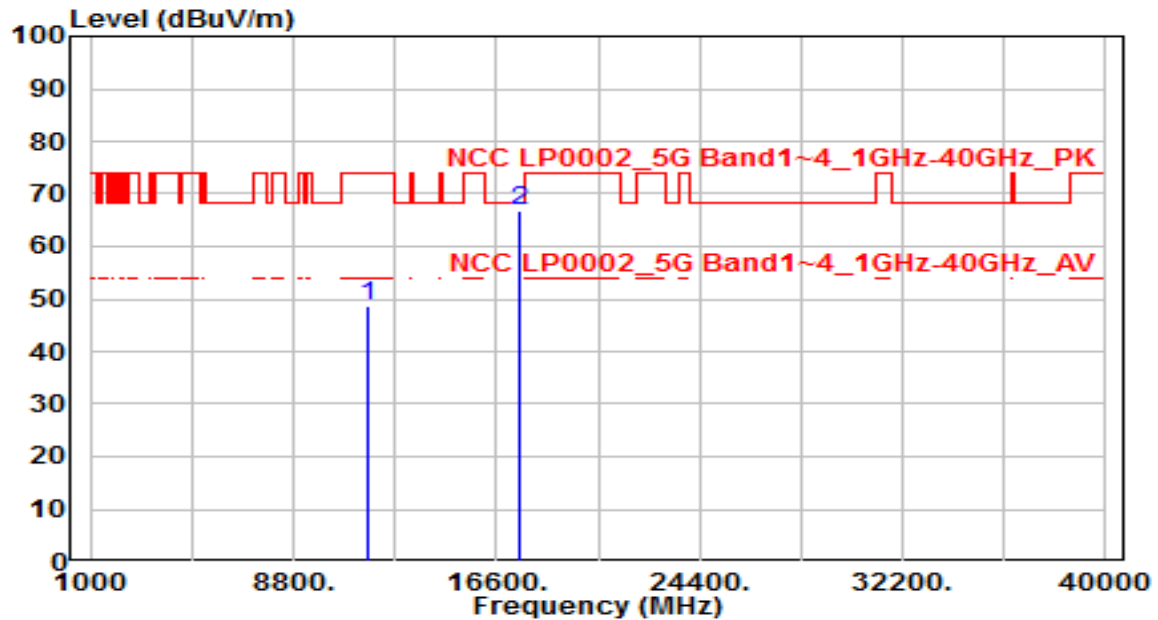


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	29.31	19.71	49.02	-24.98	74.00	150	360	Peak
2	* 17475.000	37.73	27.67	65.40	-2.80	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

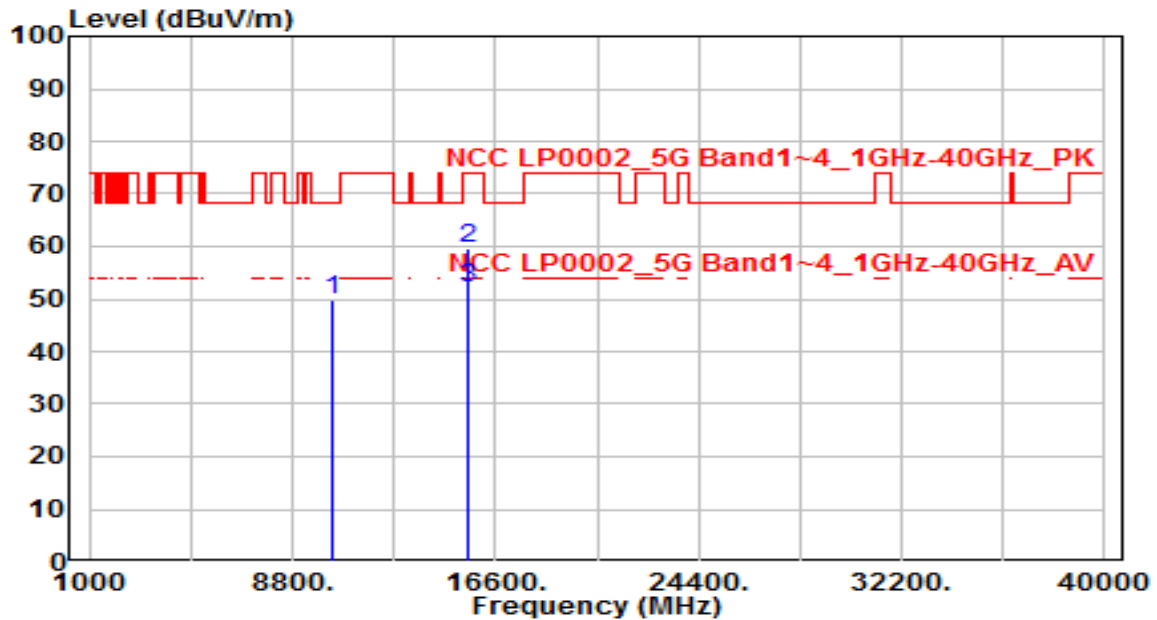


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	29.09	19.71	48.80	-25.20	74.00	150	360	Peak
2	* 17475.000	39.01	27.67	66.69	-1.51	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

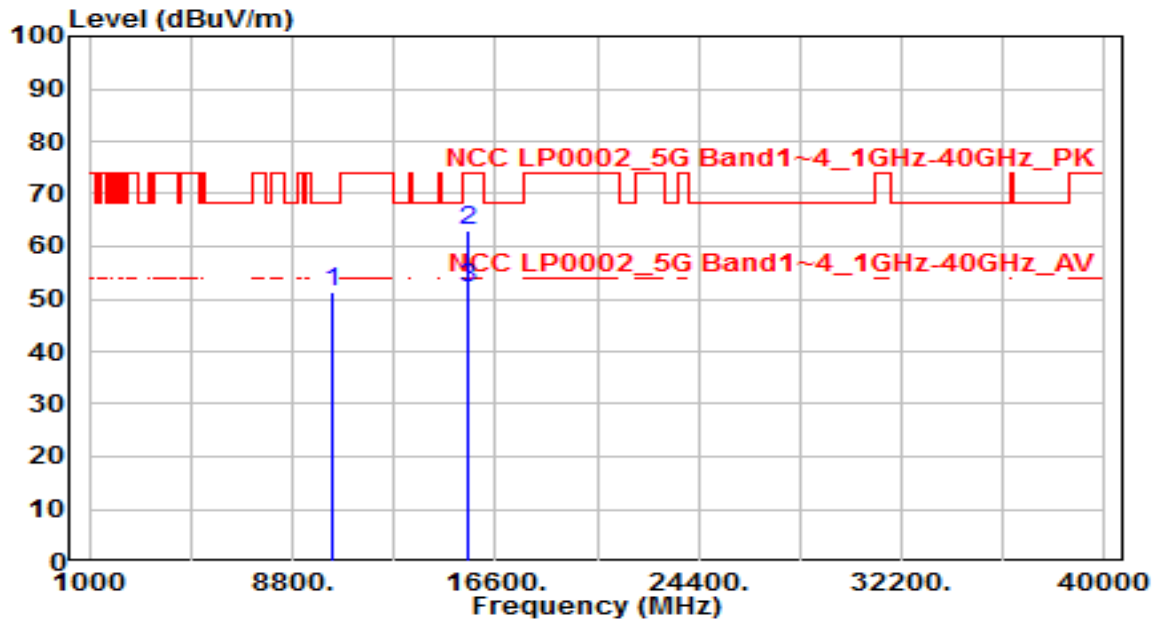


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10360.000	31.76	18.01	49.77	-18.43	68.20	150	360	Peak
2	* 15540.000	38.26	21.25	59.51	-14.49	74.00	105	50	Peak
3	* 15540.000	30.92	21.25	52.17	-1.83	54.00	105	50	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

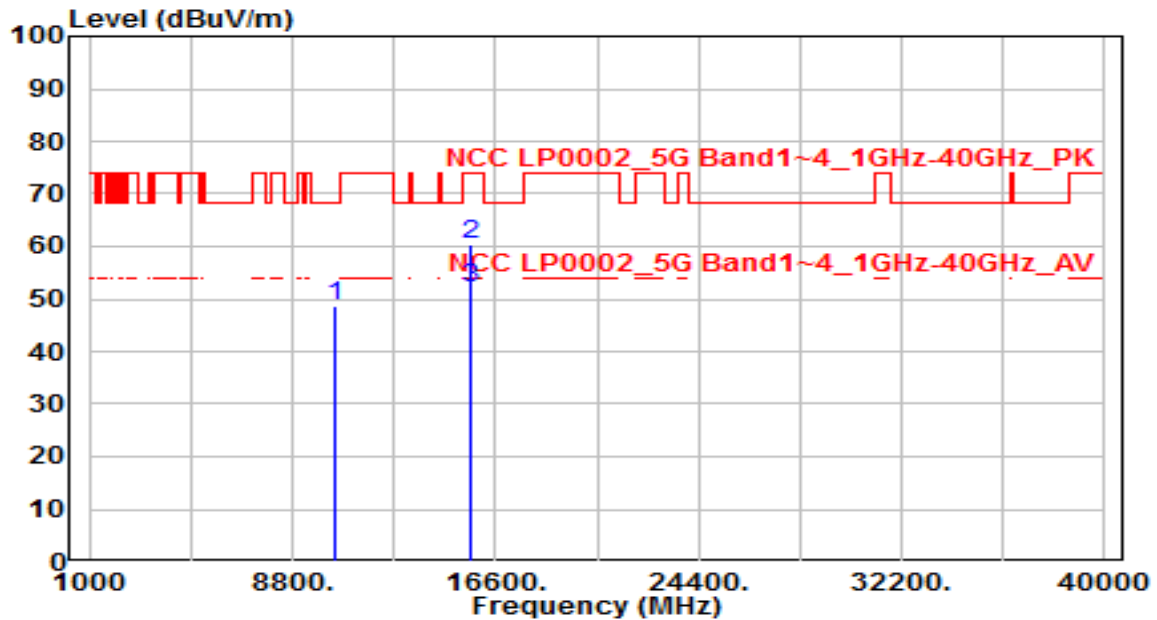


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10360.000	33.30	18.01	51.30	-16.90	68.20	150	360	Peak
2	* 15540.000	41.72	21.25	62.97	-11.03	74.00	180	65	Peak
3	* 15540.000	30.74	21.25	51.99	-2.01	54.00	180	65	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

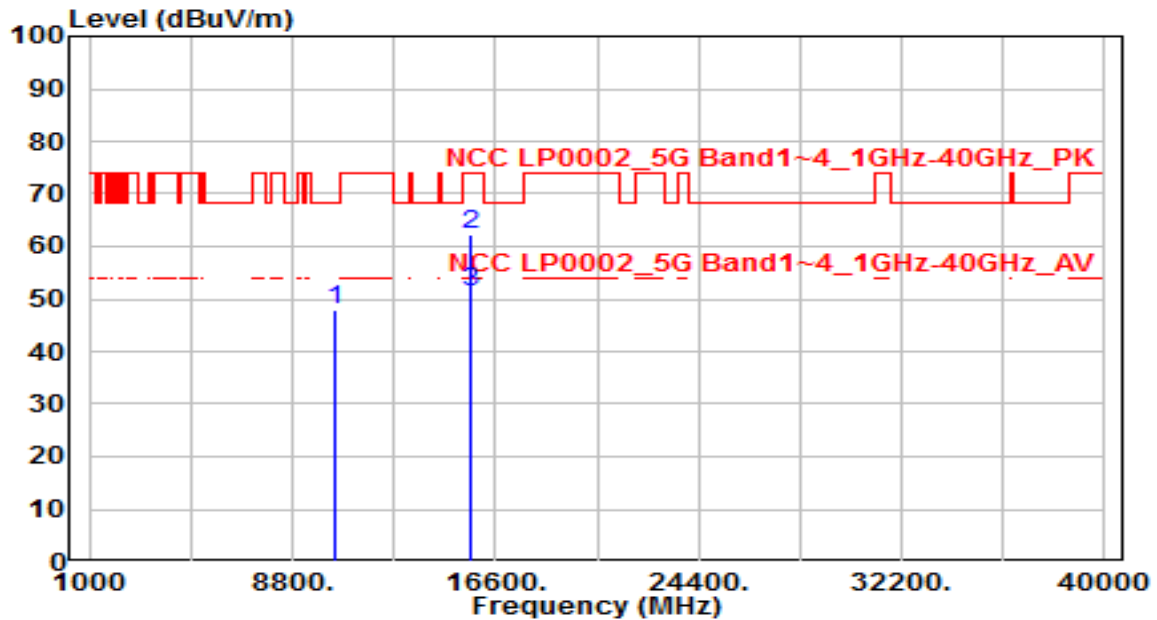


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10440.000	30.47	18.33	48.80	-19.40	68.20	150	360	Peak
2	* 15660.000	39.47	20.95	60.42	-13.58	74.00	105	50	Peak
3	* 15660.000	31.04	20.95	51.99	-2.01	54.00	105	50	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

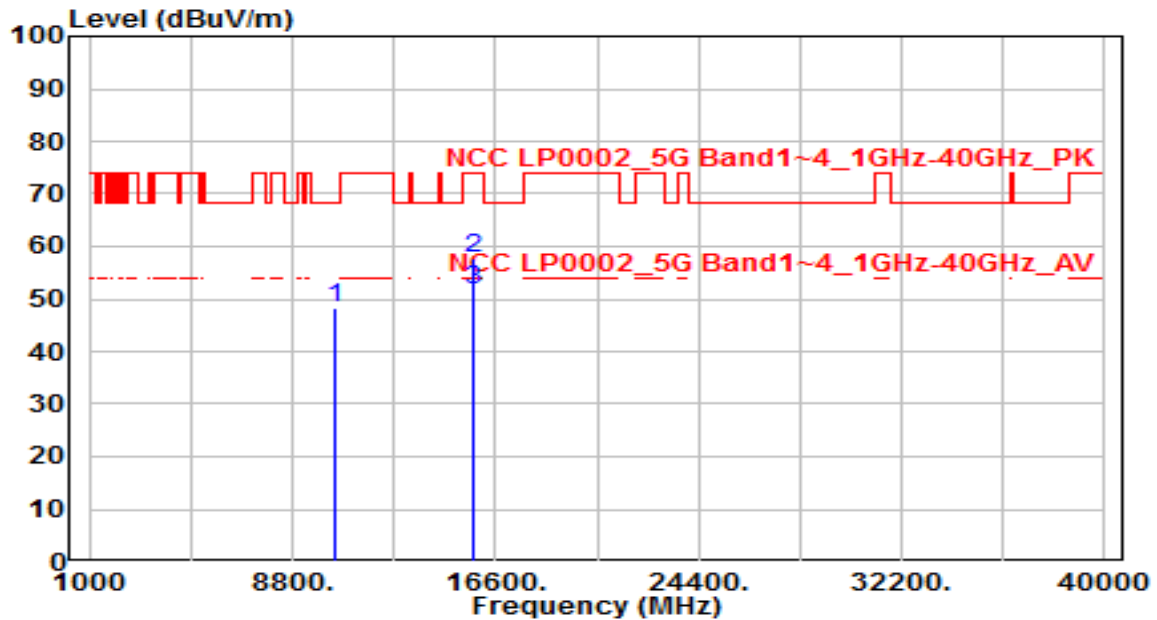


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10440.000	29.42	18.33	47.75	-20.45	68.20	150	360	Peak
2	* 15660.000	41.42	20.95	62.37	-11.63	74.00	180	65	Peak
3	* 15660.000	30.32	20.95	51.27	-2.73	54.00	180	65	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

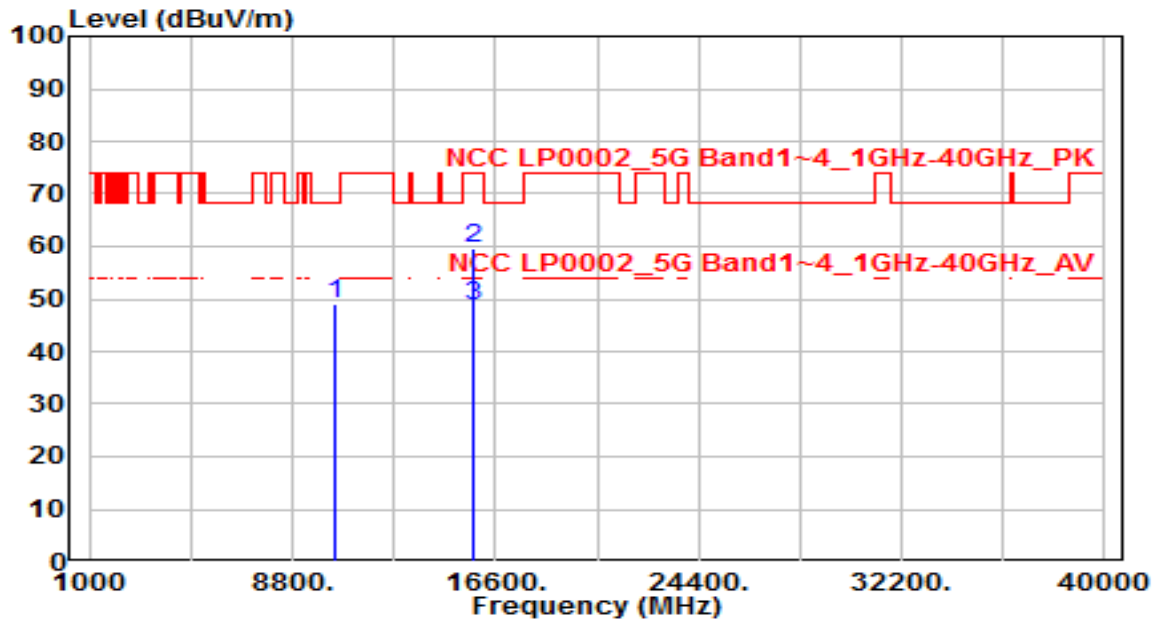


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10480.000	29.72	18.49	48.21	-19.99	68.20	150	360	Peak
2	* 15720.000	36.97	20.80	57.78	-16.22	74.00	105	50	Peak
3	* 15720.000	31.04	20.80	51.84	-2.16	54.00	105	50	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 48_ANT 0	Test Voltage	AC 110V/60Hz

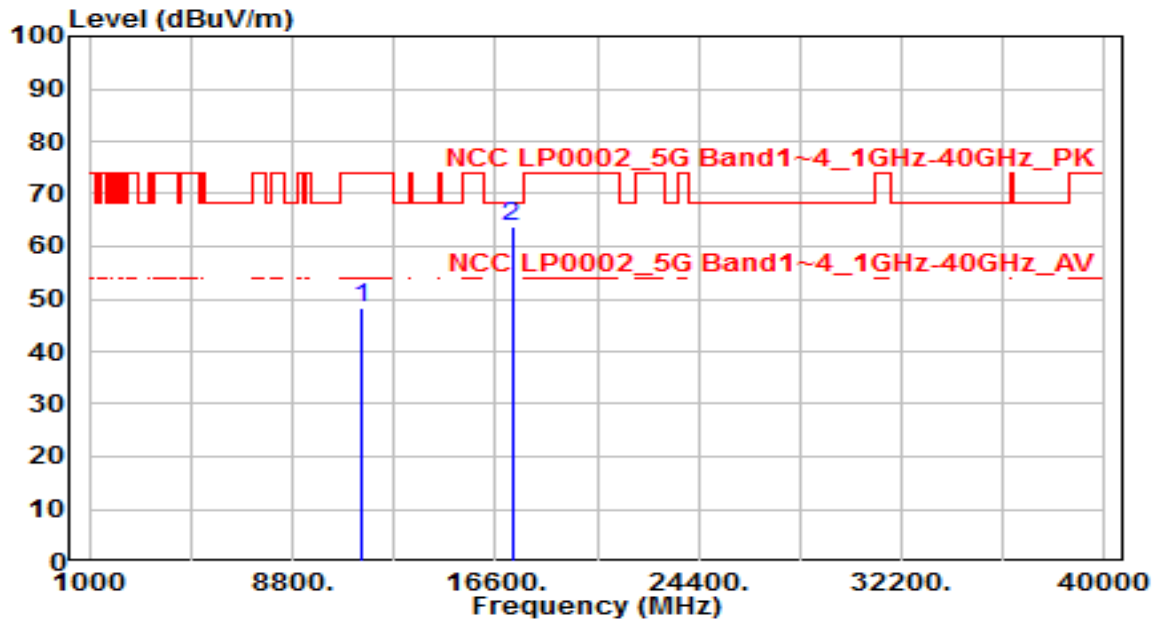


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10480.000	30.64	18.49	49.13	-19.07	68.20	150	360	Peak
2	* 15720.000	38.74	20.80	59.55	-14.45	74.00	180	65	Peak
3	* 15720.000	28.05	20.80	48.85	-5.15	54.00	180	65	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

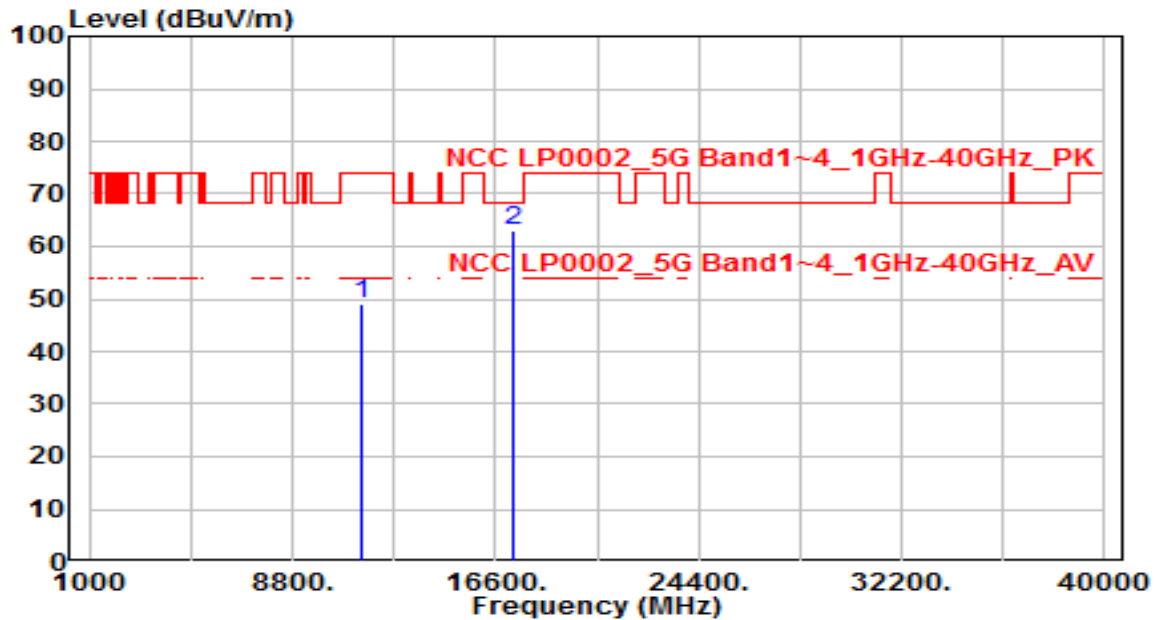


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	28.13	20.03	48.16	-25.84	74.00	150	360	Peak
2	* 17235.000	37.85	26.08	63.93	-4.27	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

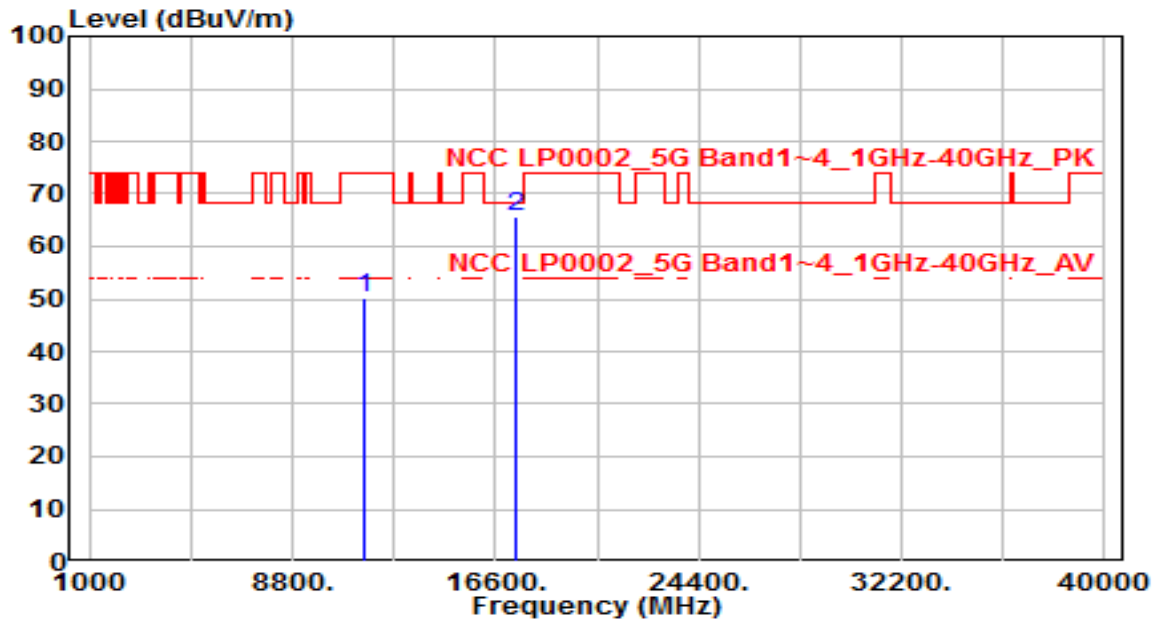


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11490.000	28.90	20.03	48.93	-25.07	74.00	150	360	Peak
2	* 17325.000	36.29	26.67	62.97	-5.23	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 157_ANT 0	Test Voltage	AC 110V/60Hz

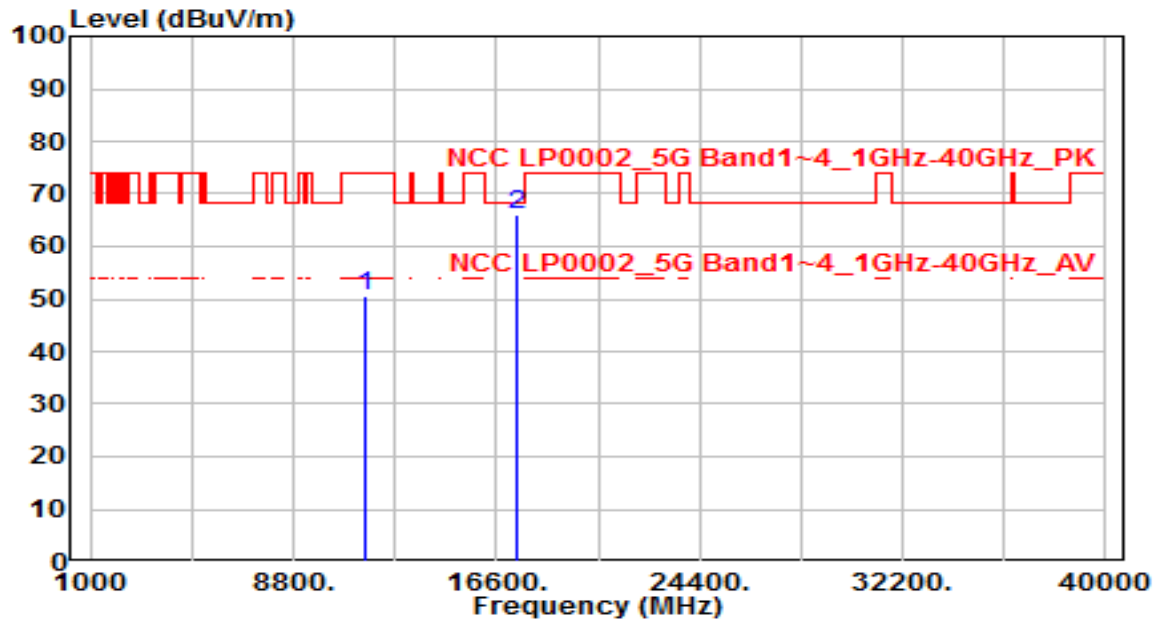


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	30.21	19.89	50.10	-23.90	74.00	150	360	Peak
2	* 17355.000	38.92	26.87	65.80	-2.40	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 157_ANT 0	Test Voltage	AC 110V/60Hz

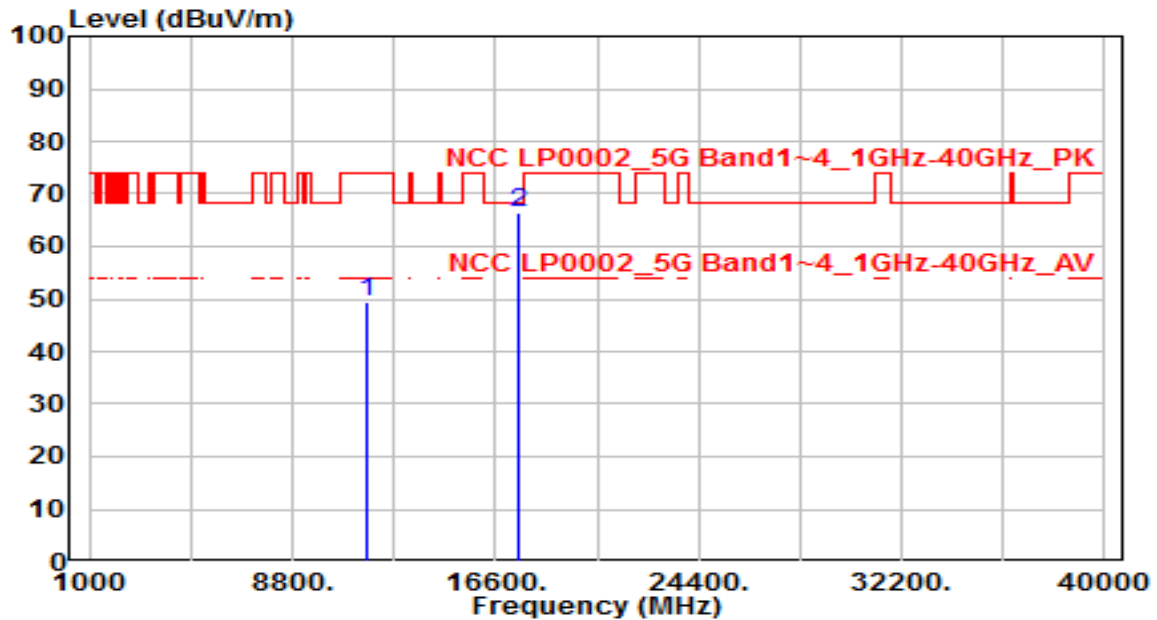


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11570.000	30.53	19.89	50.42	-23.58	74.00	150	360	Peak
2	* 17355.000	39.07	26.87	65.94	-2.26	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

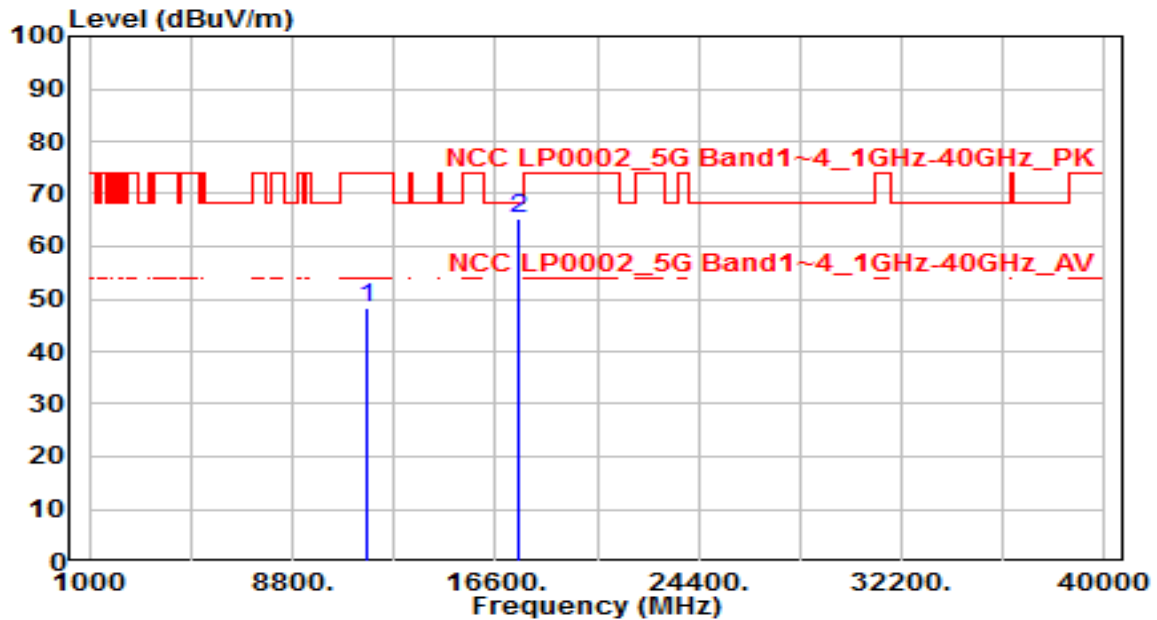


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	29.78	19.71	49.49	-24.51	74.00	150	360	Peak
2	* 17475.000	38.86	27.67	66.53	-1.67	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

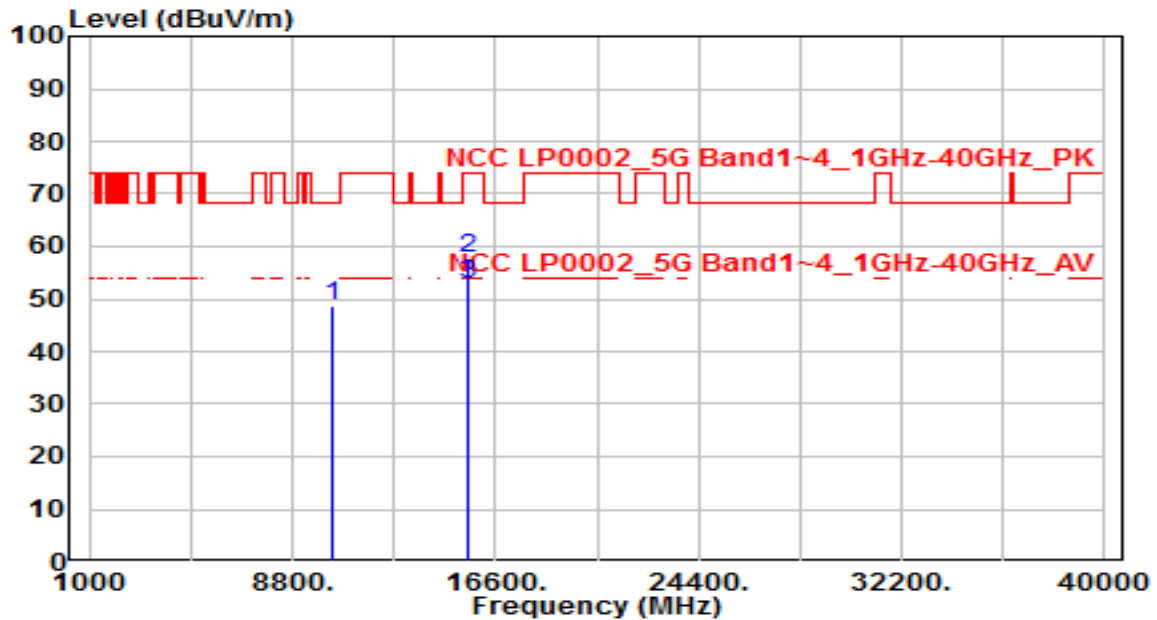


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11650.000	28.73	19.71	48.44	-25.56	74.00	150	360	Peak
2	* 17475.000	37.49	27.67	65.17	-3.03	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

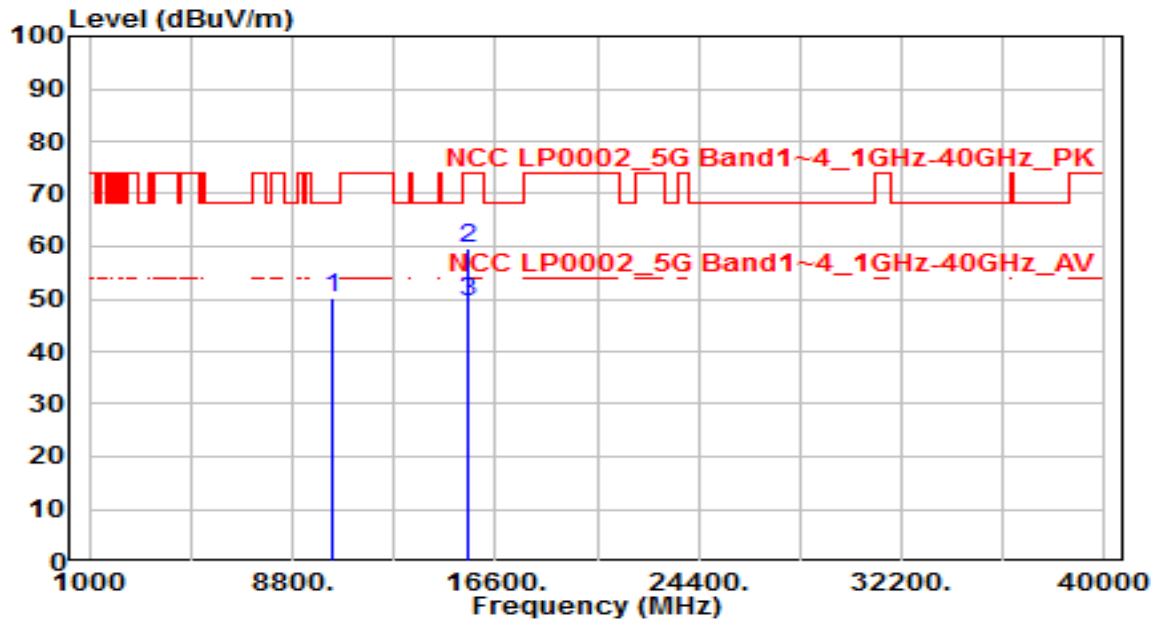


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10380.000	30.72	18.09	48.81	-19.39	68.20	150	360	Peak
2	* 15570.000	36.66	21.18	57.84	-16.16	74.00	105	70	Peak
3	* 15570.000	31.53	21.18	52.71	-1.29	54.00	105	70	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

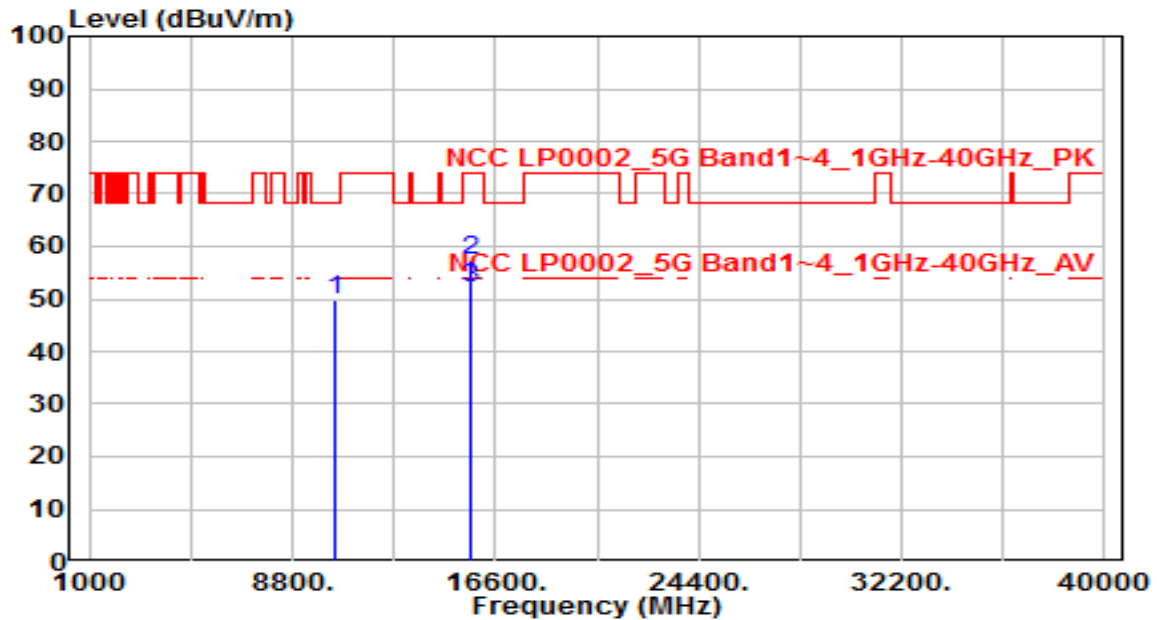


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10380.000	32.25	18.09	50.33	-17.87	68.20	150	360	Peak
2	* 15570.000	38.46	21.18	59.64	-14.36	74.00	180	65	Peak
3	* 15570.000	28.43	21.18	49.61	-4.39	54.00	180	65	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	AC 110V/60Hz

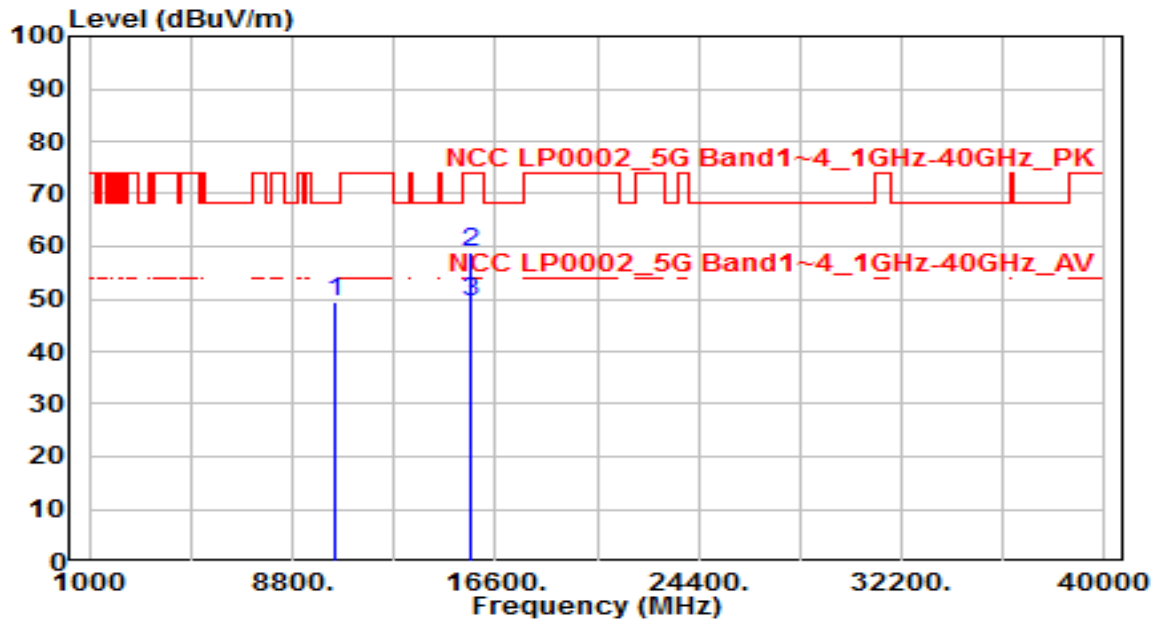


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10460.000	31.25	18.41	49.66	-18.54	68.20	150	360	Peak
2	* 15690.000	36.46	20.88	57.34	-16.66	74.00	105	70	Peak
3	* 15690.000	31.06	20.88	51.94	-2.06	54.00	105	70	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 46_ANT 0	Test Voltage	AC 110V/60Hz

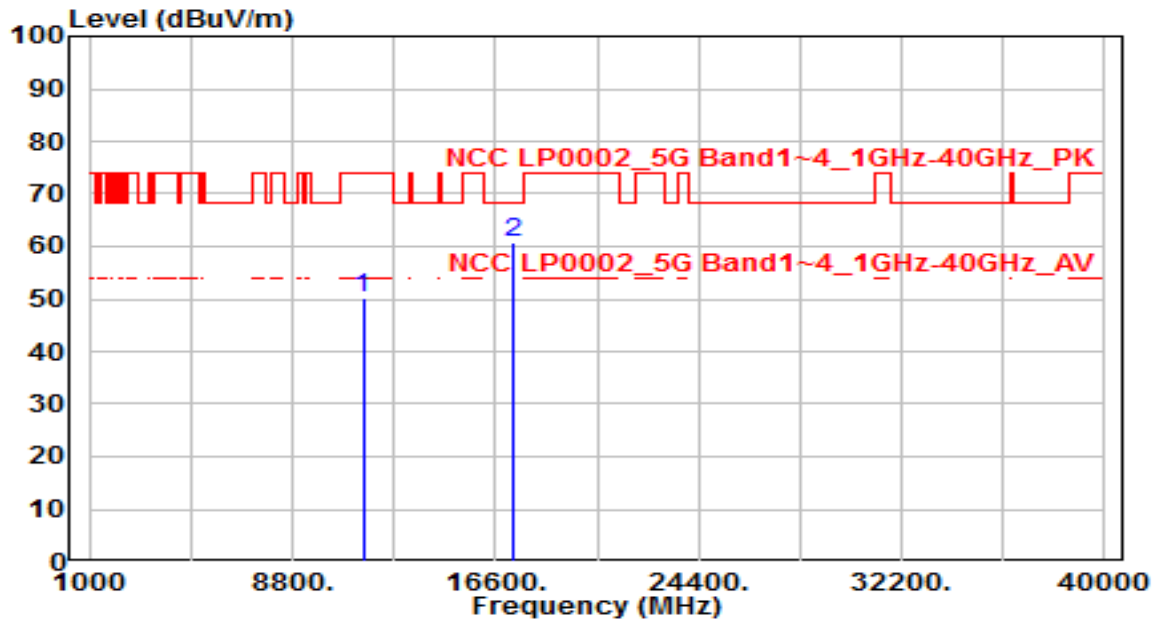


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10460.000	30.91	18.41	49.32	-18.88	68.20	150	360	Peak
2	* 15690.000	37.93	20.88	58.81	-15.19	74.00	180	65	Peak
3	* 15690.000	28.74	20.88	49.62	-4.38	54.00	180	65	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 110V/60Hz

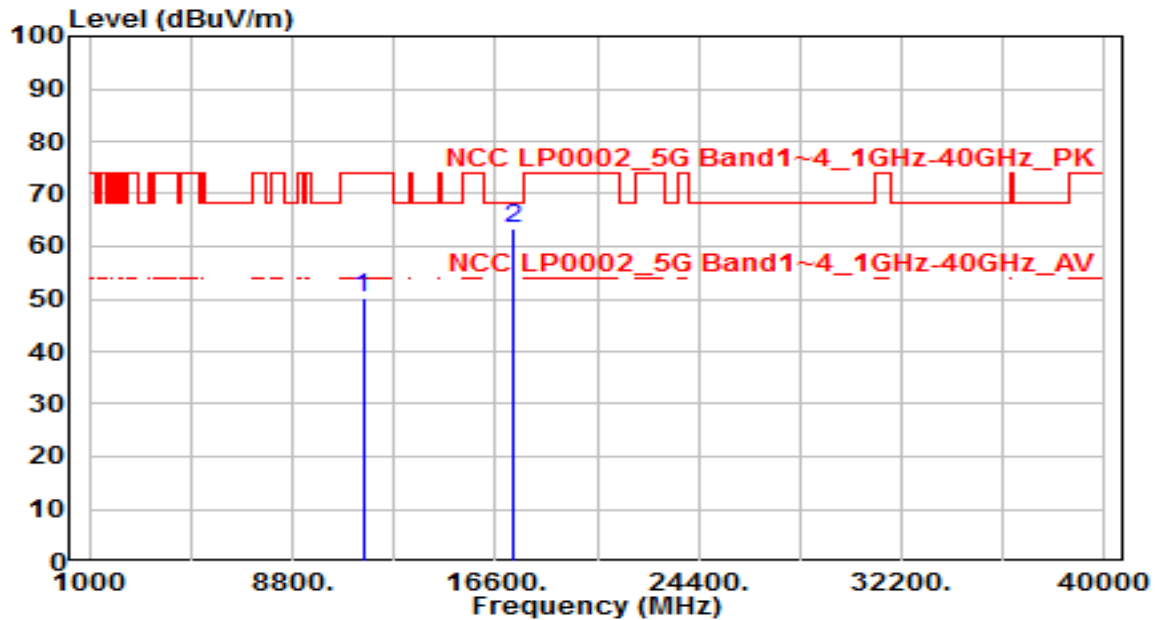


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11510.000	30.34	20.03	50.37	-23.63	74.00	150	360	Peak
2	* 17265.000	34.41	26.27	60.69	-7.51	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 110V/60Hz

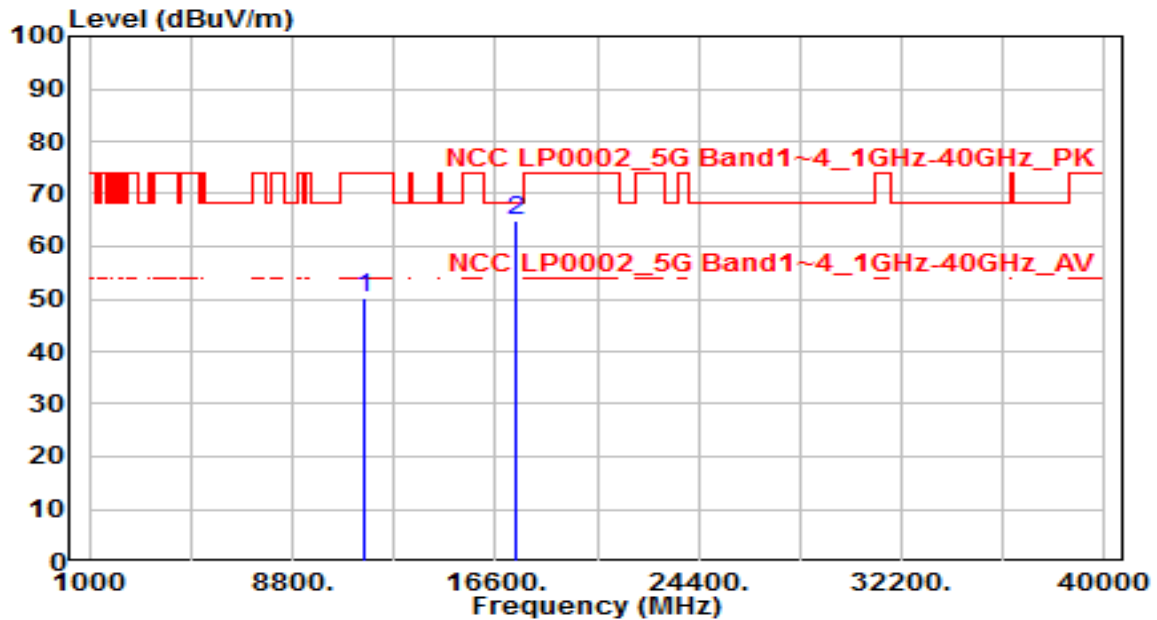


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11510.000	30.31	20.03	50.34	-23.66	74.00	150	360	Peak
2	* 17265.000	37.24	26.27	63.52	-4.68	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	AC 110V/60Hz

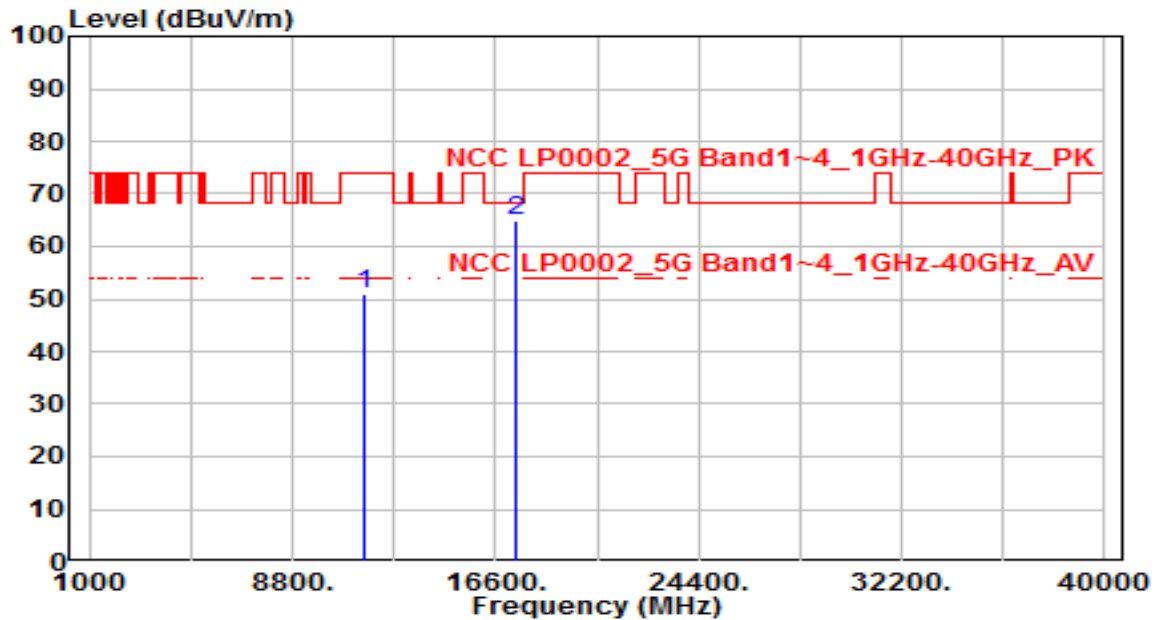


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11590.000	30.20	19.85	50.04	-23.96	74.00	150	360	Peak
2	* 17385.000	37.82	27.07	64.90	-3.30	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	AC 110V/60Hz

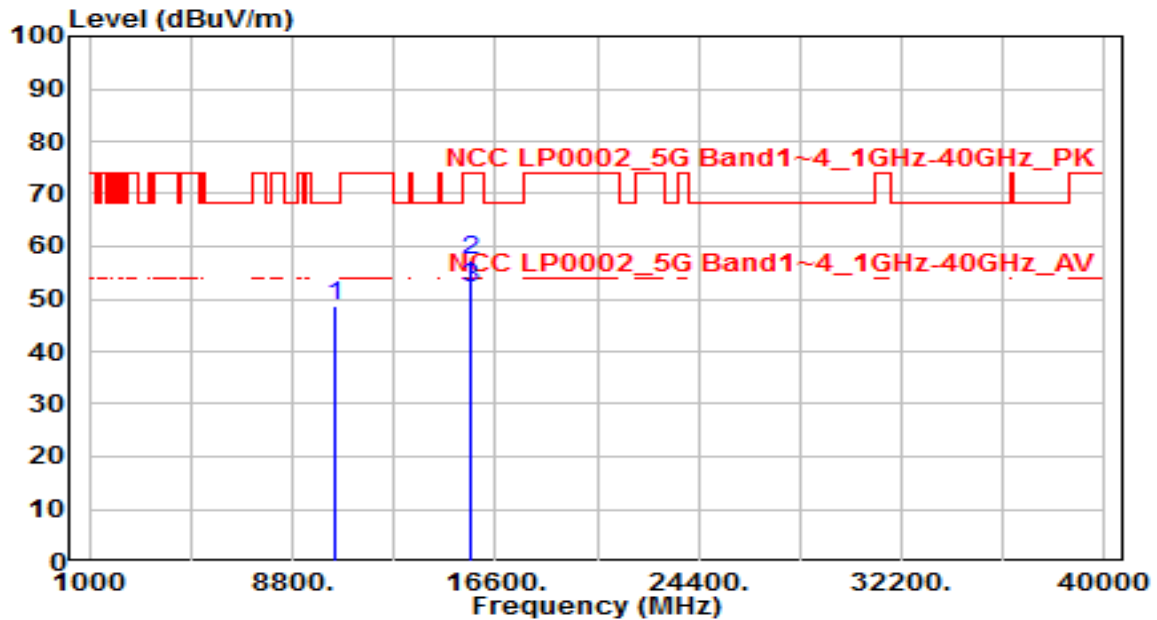


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11590.000	31.17	19.85	51.02	-22.98	74.00	150	360	Peak
2	* 17385.000	37.98	27.07	65.06	-3.14	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

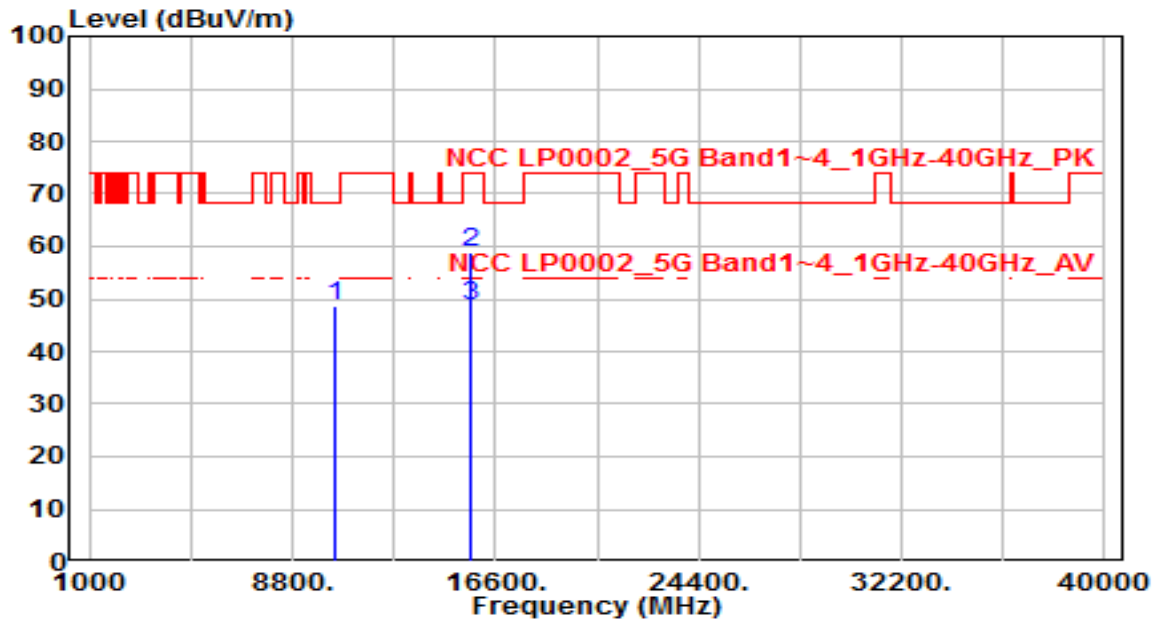


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10420.000	30.30	18.25	48.55	-19.65	68.20	150	360	Peak
2	* 15630.000	36.34	21.03	57.37	-16.63	74.00	105	70	Peak
3	* 15630.000	31.07	21.03	52.10	-1.90	54.00	105	70	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

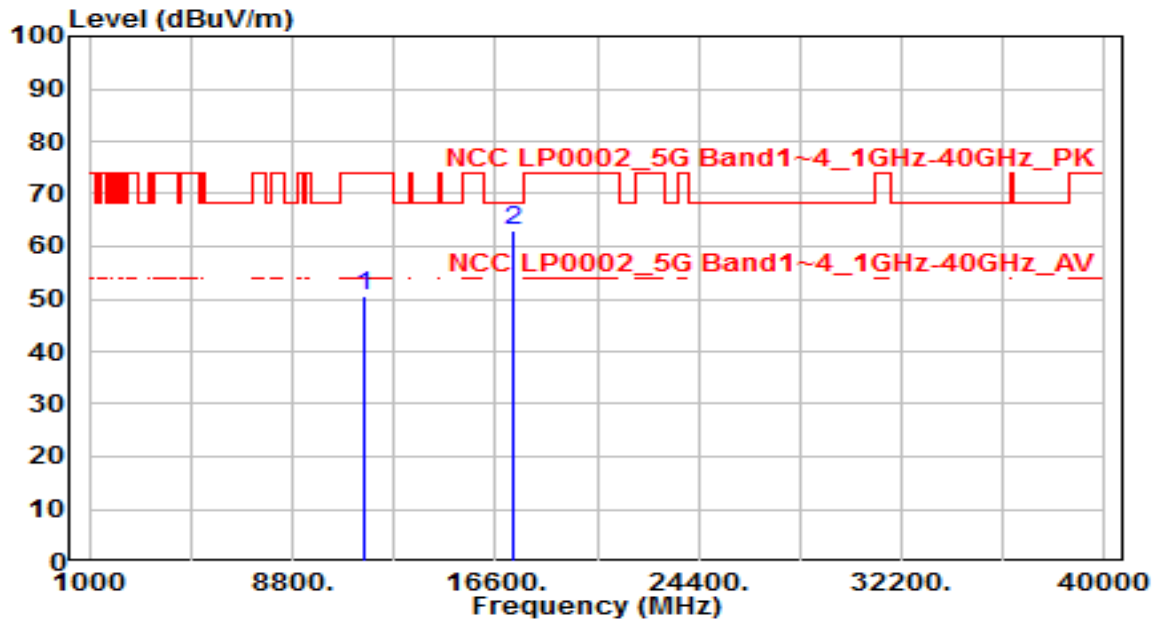


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	10420.000	30.43	18.25	48.68	-19.52	68.20	150	360	Peak
2	* 15630.000	37.92	21.03	58.94	-15.06	74.00	180	65	Peak
3	* 15630.000	27.74	21.03	48.77	-5.23	54.00	180	65	Average

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	Test Voltage	AC 110V/60Hz

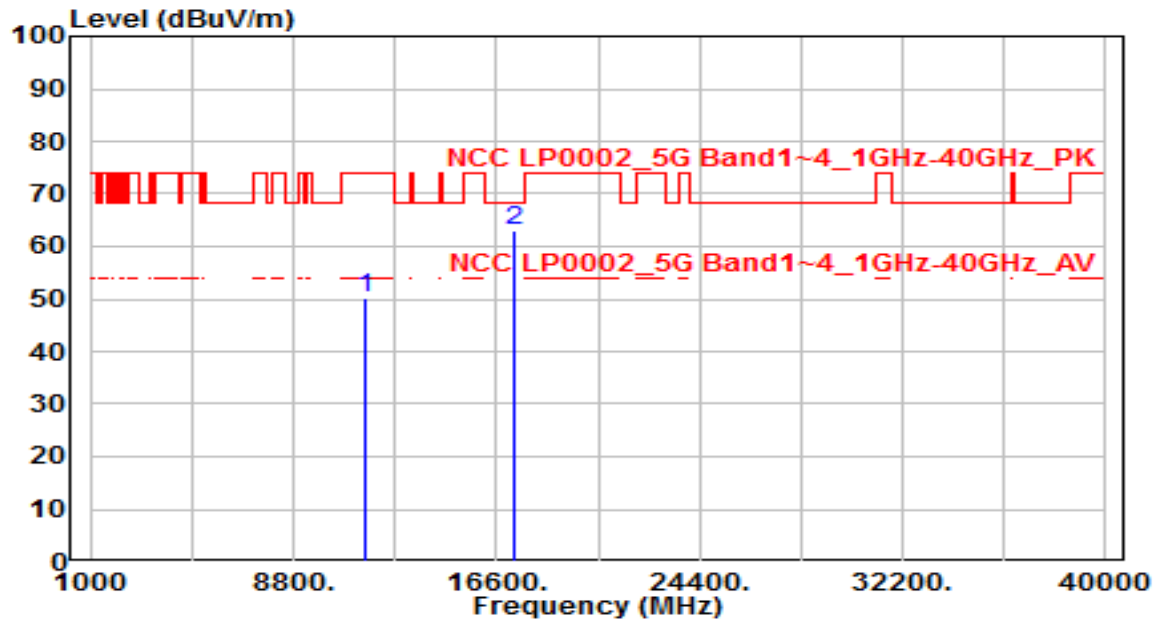


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11550.000	30.57	19.94	50.51	-23.49	74.00	150	360	Peak
2	* 17325.000	36.47	26.67	63.14	-5.06	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	Test Voltage	AC 110V/60Hz

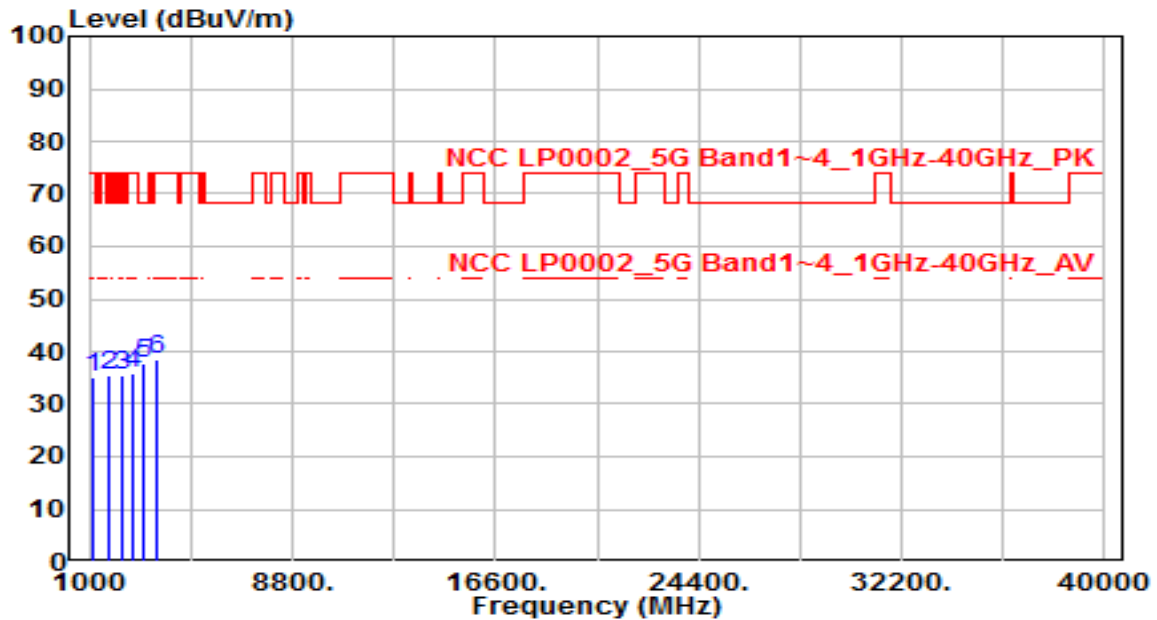


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	11550.000	30.24	19.94	50.18	-23.82	74.00	150	360	Peak
2	* 17325.000	36.43	26.67	63.11	-5.09	68.20	150	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- No2 is not in restricted band, the limit is 68.2dBuV/m.
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz

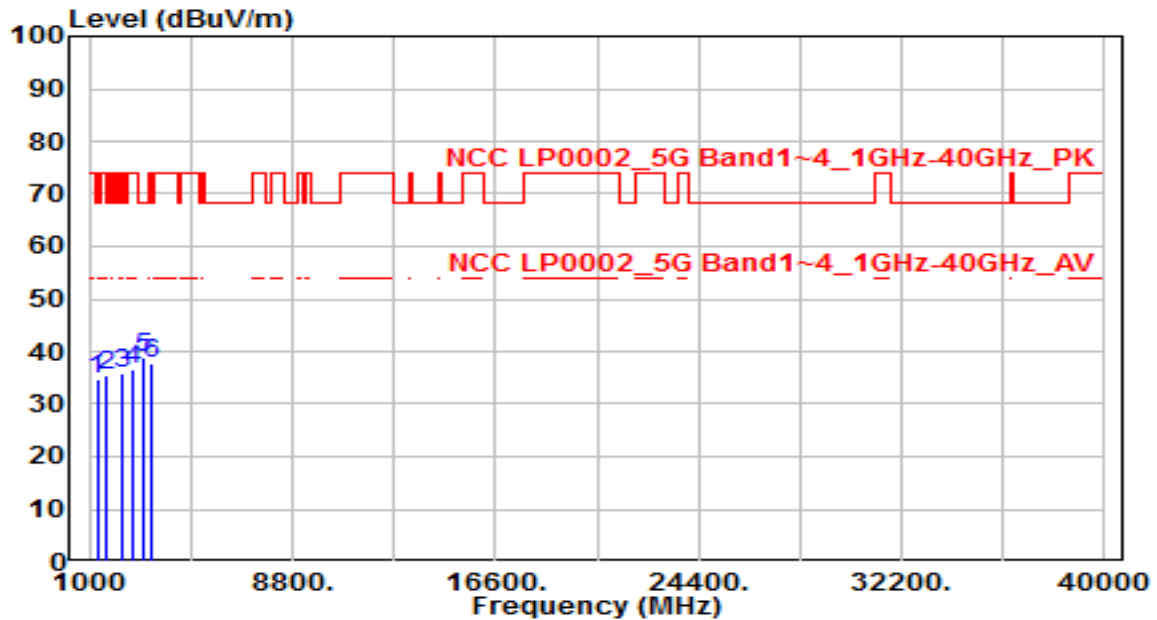


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1182.750	41.09	-5.98	35.10	-38.90	74.00	150	360	Peak
2	1783.594	39.54	-4.09	35.45	-32.75	68.20	150	360	Peak
3	2230.375	38.02	-2.64	35.38	-38.62	74.00	150	360	Peak
4	2691.500	37.39	-1.66	35.73	-38.27	74.00	150	360	Peak
5	* 3072.938	39.35	-1.53	37.82	-30.38	68.20	150	360	Peak
6	3607.906	38.36	-0.01	38.35	-35.65	74.00	150	360	Peak

Note:

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

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D & BBHA 9170	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_RX_Band1_CH 44_ANT 0	Test Voltage	AC 110V/60Hz



No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1293.781	40.39	-5.58	34.81	-33.39	68.20	150	360	Peak
2	1663.000	39.80	-4.40	35.40	-38.60	74.00	150	360	Peak
3	2256.406	38.38	-2.55	35.83	-38.17	74.00	150	360	Peak
4	2693.625	38.24	-1.66	36.57	-37.43	74.00	150	360	Peak
5	* 3049.031	40.37	-1.59	38.78	-29.42	68.20	150	360	Peak
6	3435.250	38.17	-0.52	37.65	-30.55	68.20	150	360	Peak

Note:

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

5.5 頻帶邊緣

5.5.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可360度旋轉，接收天線置於距待測物3m距離，高度可在1至4公尺間變動，以量測待測物之最大輻射電場強，接收天線並應於水平及垂直極化方向各量測一次。（待測物擺設方式根據 ANSI C63.10-2013版，待測物放置桌中心，1G以下擺設高度為80cm/1G以上擺設高度為150cm）

備註：若為手持式或穿戴式之裝置，需對其三個正交軸的方位評估測試，並記錄最差的數值。

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

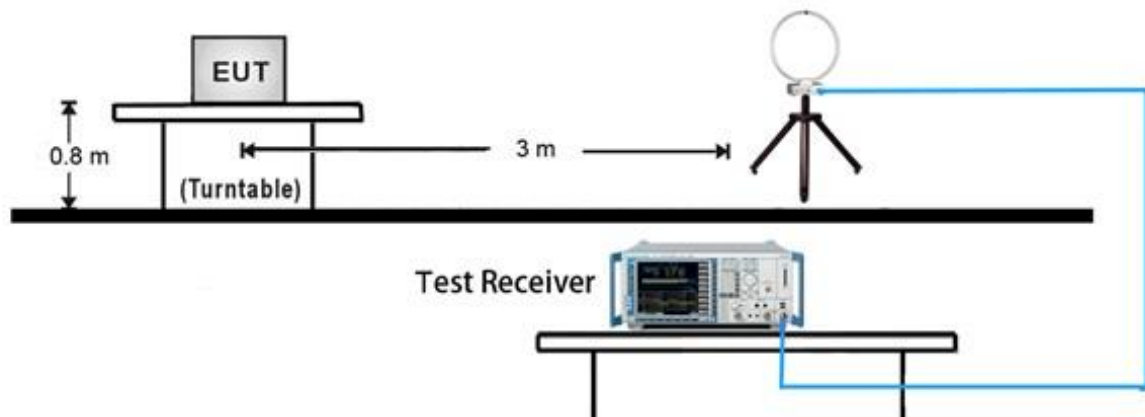
5.5.2 限制要求

除低功率射頻器材技術規範另有規定外，任何低功率射頻器材之主波皆不得使用下表所列各頻段之頻率低功率射頻器材落於下表所列頻帶內之混附發射，其電場強度必須符合低功率射頻器材技術規範之第3.6節限制規定

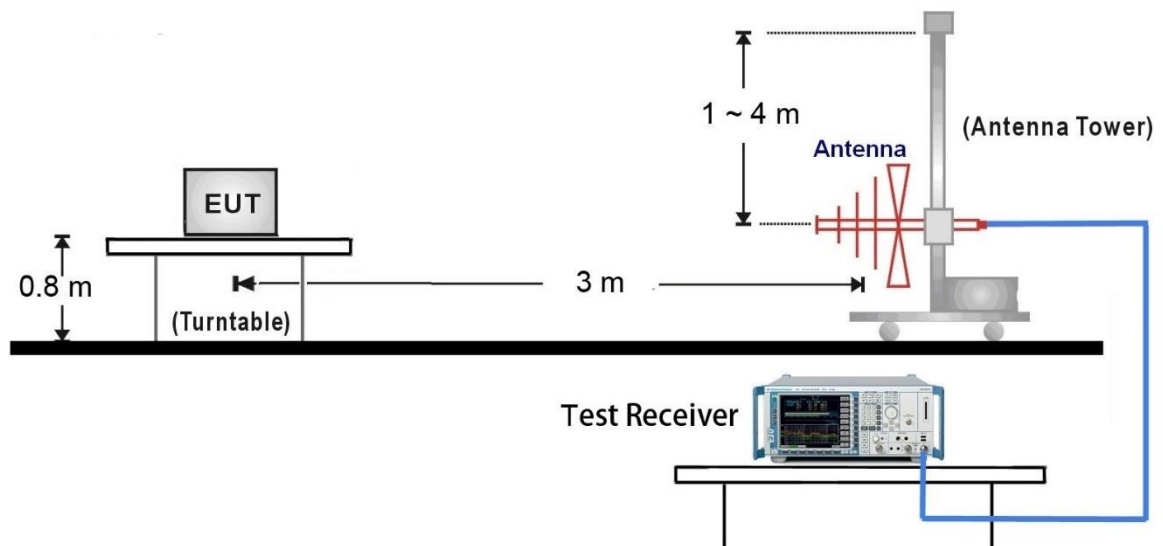
頻 率 (MHz)	頻 率 (MHz)	頻 率 (MHz)	頻 率 (MHz)	頻 率 (MHz)
0.090~0.110	25.500~25.700	703.00~748.00	2310.0~2390.0	13250~13400
0.490~0.510	37.475~38.275	758.00~803.00	2483.5~2900.0	14470~14500
2.172~2.198	73.500~75.400	825.00~915.00	3260.0~3267.0	15350~16200
3.013~3.033	108.00~138.00	930.00~1240.0	3332.0~3339.0	17700~21400
4.115~4.198	149.90~150.05	1300.0~1427.0	3345.8~3358.0	22010~23120
5.670~5.690	156.70~156.90	1435.0~1626.5	3500.0~4400.0	23600~24000
6.200~6.300	162.01~167.17	1660.0~1785.0	4500.0~5250.0	31200~31800
8.230~8.400	167.72~173.20	1805.0~1880.0	5350.0~5460.0	36430~36500
12.265~12.600	240.00~285.00	1885.0~1900.0	7250.0~7750.0	38600 以上
13.340~13.430	322.00~335.40	1905.0~1985.0	8025.0~8500.0	
14.965~15.020	399.90~410.00	2010.0~2025.0	9000.0~9200.0	
16.700~16.755	485.00~510.00	2110.0~2170.0	9300.0~9500.0	
19.965~20.020	608.00~614.00	2200.0~2300.0	10600~12700	

5.5.3 測試架構圖

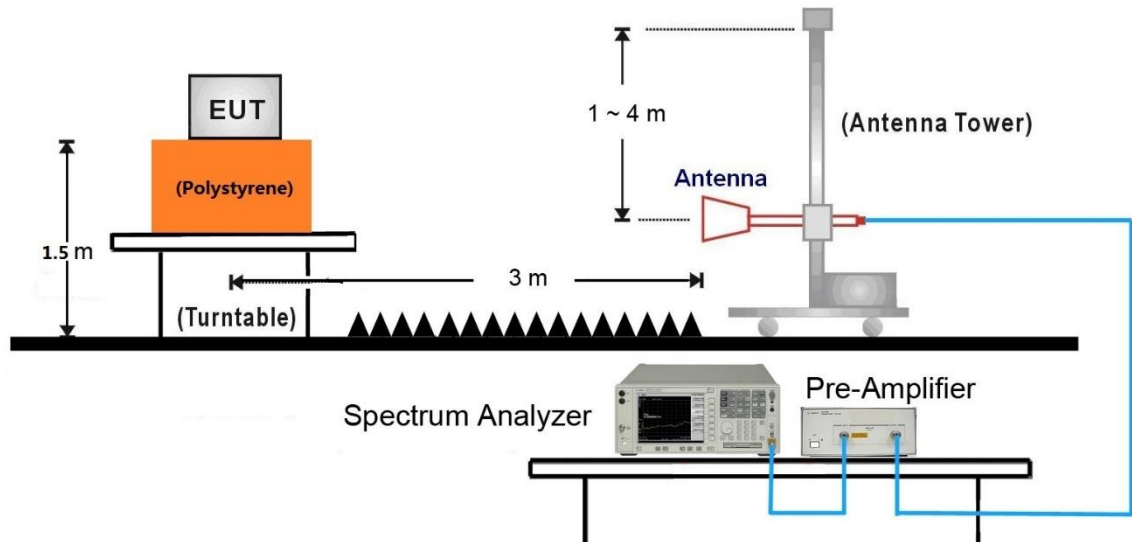
Under 30MHz Test



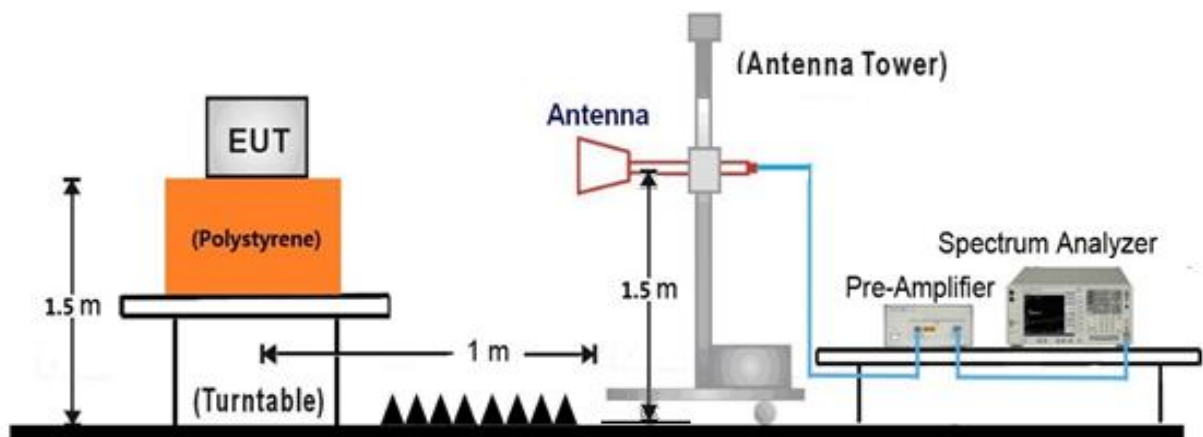
Under 1GHz Test Setup



1GHz ~ 18GHz Test Setup:

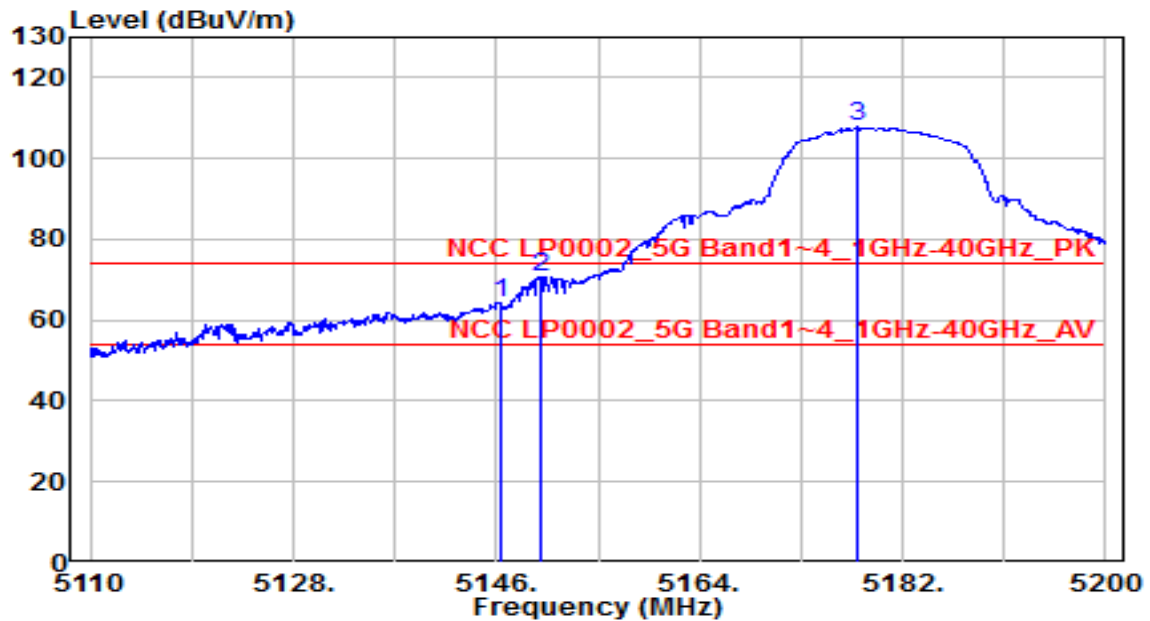


18GHz ~ 25GHz Test Setup:



5.5.4 頻帶邊緣測試結果

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

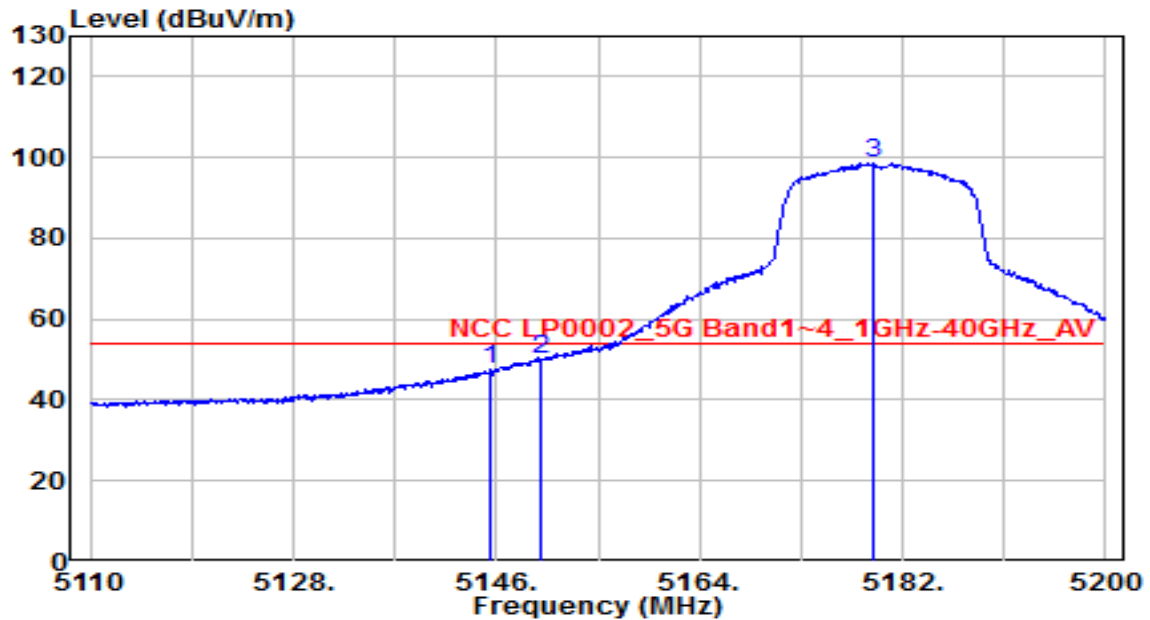


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5146.360	60.02	4.19	64.21	-9.79	74.00	150	95	Peak
2	* 5150.000	66.29	4.20	70.49	-3.51	74.00	150	95	Peak
3	5178.040	103.46	4.24	107.70	N/A	N/A	150	95	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

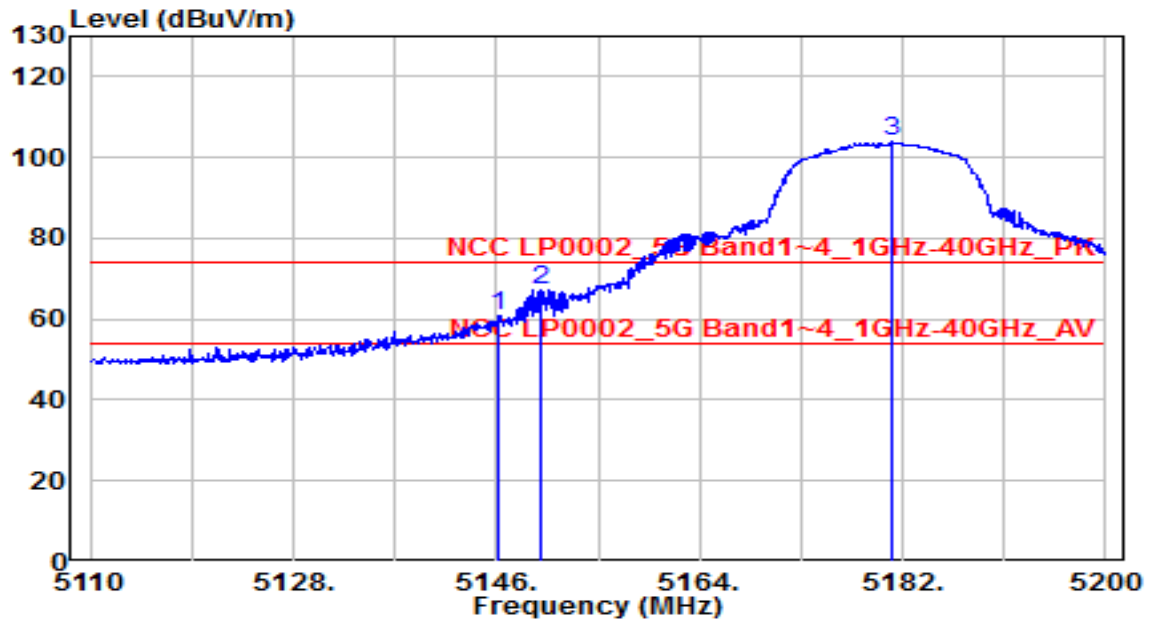


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5145.550	43.33	4.19	47.52	-6.48	54.00	150	95	Average
2	* 5150.000	45.72	4.20	49.92	-4.08	54.00	150	95	Average
3	5179.300	94.52	4.24	98.76	N/A	N/A	150	95	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

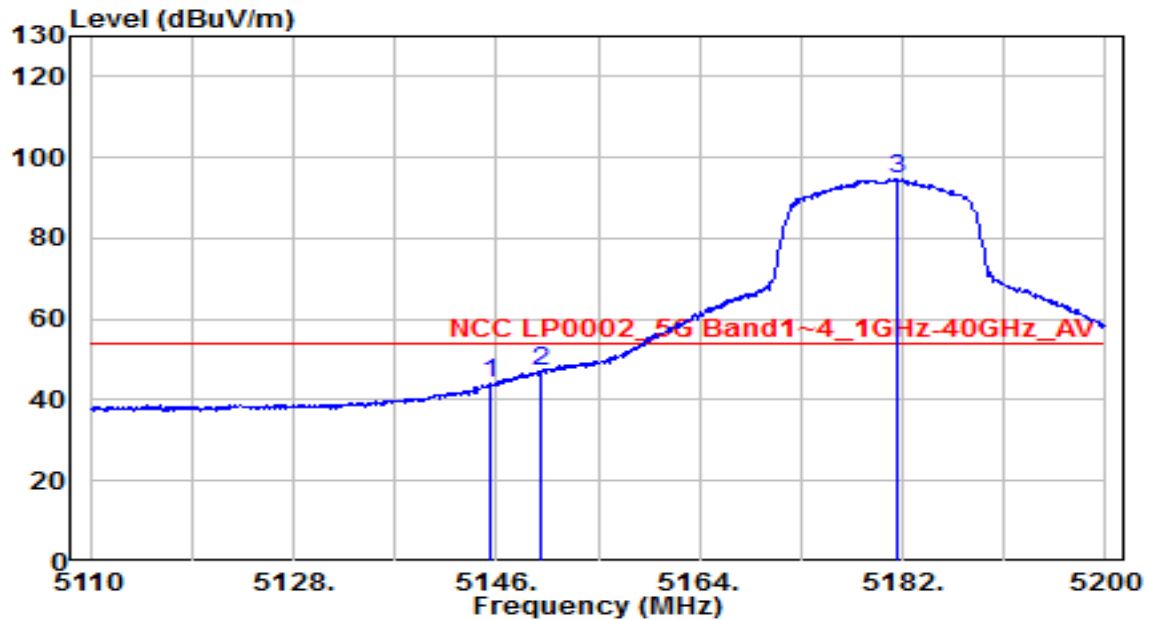


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5146.270	56.76	4.19	60.95	-13.05	74.00	135	340	Peak
2	* 5150.000	63.03	4.20	67.22	-6.78	74.00	135	340	Peak
3	5181.100	99.52	4.25	103.76	N/A	N/A	135	340	Peak

Note:

1. "*", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

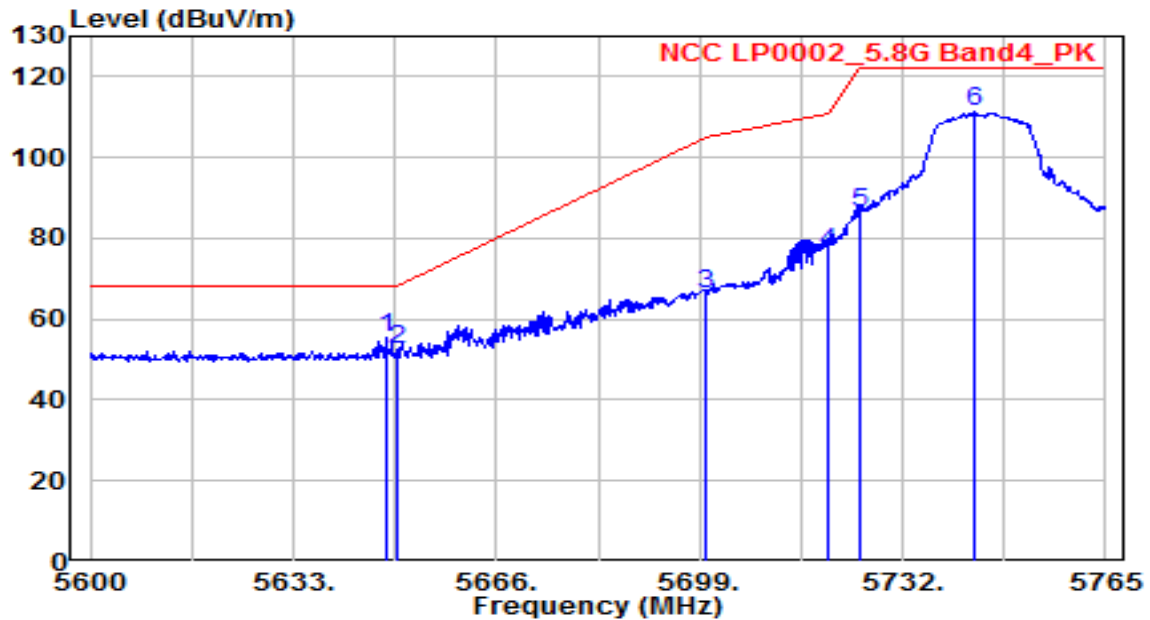


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5145.370	40.01	4.19	44.19	-9.81	54.00	135	340	Average
2	* 5150.000	42.77	4.20	46.97	-7.03	54.00	135	340	Average
3	5181.550	90.39	4.25	94.64	N/A	N/A	135	340	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

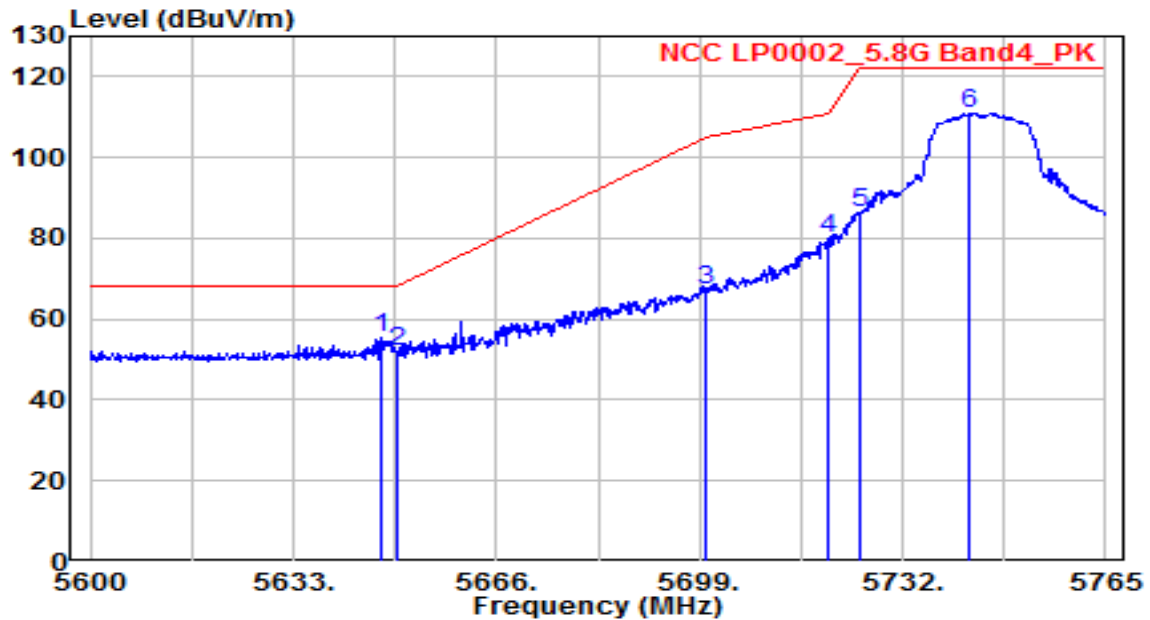


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5648.015	49.89	5.31	55.20	-13.00	68.20	150	90	Peak
2	5650.000	47.05	5.32	52.36	-15.84	68.20	150	90	Peak
3	5700.000	60.88	5.50	66.38	-38.82	105.20	150	90	Peak
4	5720.000	71.01	5.57	76.58	-34.22	110.80	150	90	Peak
5	5725.000	80.70	5.59	86.29	-35.91	122.20	150	90	Peak
6	5743.715	105.48	5.66	111.14	N/A	N/A	150	90	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

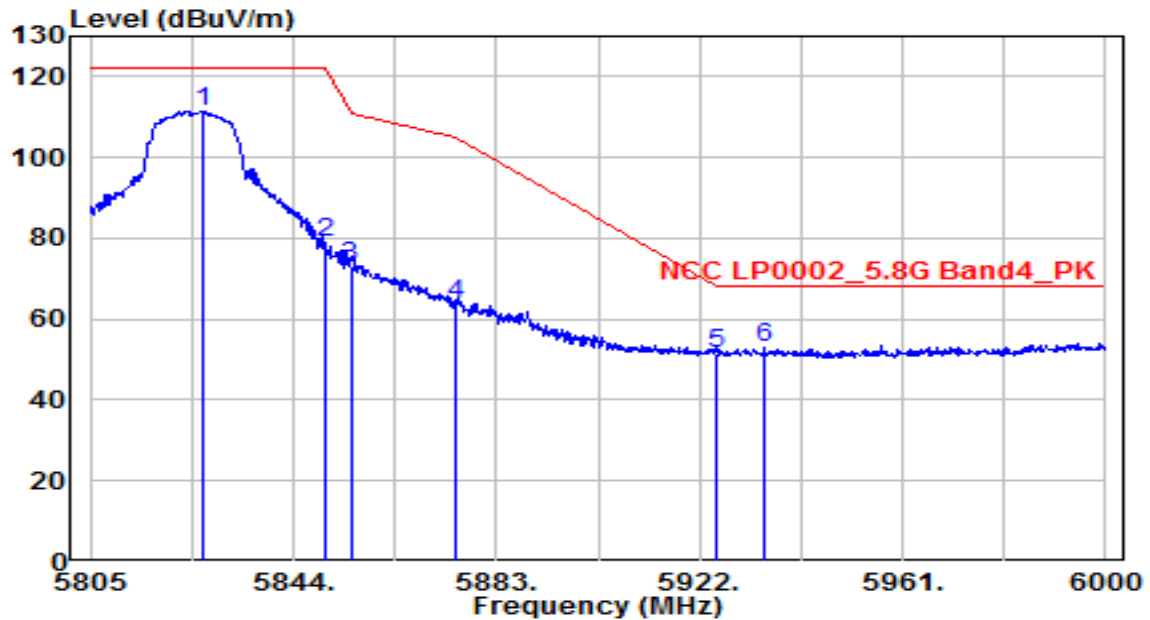


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5647.190	50.25	5.31	55.56	-12.64	68.20	150	315	Peak
2	5650.000	46.47	5.32	51.79	-16.41	68.20	150	315	Peak
3	5700.000	61.85	5.50	67.34	-37.86	105.20	150	315	Peak
4	5720.000	74.52	5.57	80.09	-30.71	110.80	150	315	Peak
5	5725.000	80.69	5.59	86.28	-35.92	122.20	150	315	Peak
6	5742.890	105.42	5.65	111.07	N/A	N/A	150	315	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

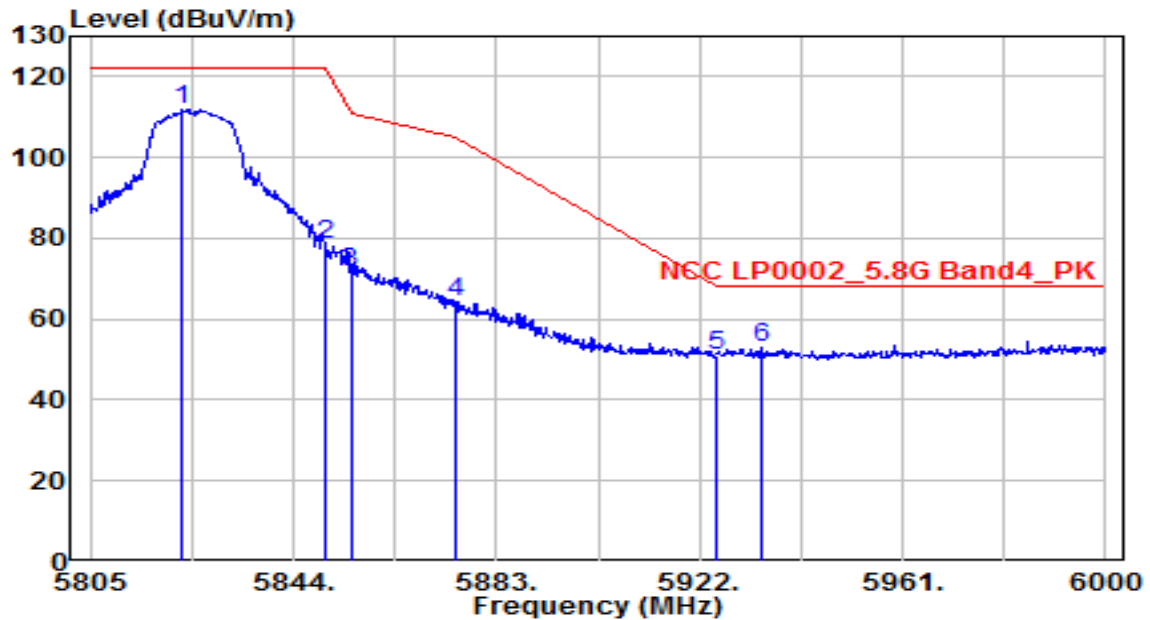


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5826.840	105.42	5.96	111.38	N/A	N/A	150	95	Peak
2	5850.000	73.07	6.04	79.11	-43.09	122.20	150	95	Peak
3	5855.000	67.02	6.06	73.09	-37.71	110.80	150	95	Peak
4	5875.000	57.75	6.13	63.88	-41.32	105.20	150	95	Peak
5	5925.000	45.34	6.32	51.66	-16.54	68.20	150	95	Peak
6	* 5934.480	46.38	6.35	52.74	-15.46	68.20	150	95	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11a_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

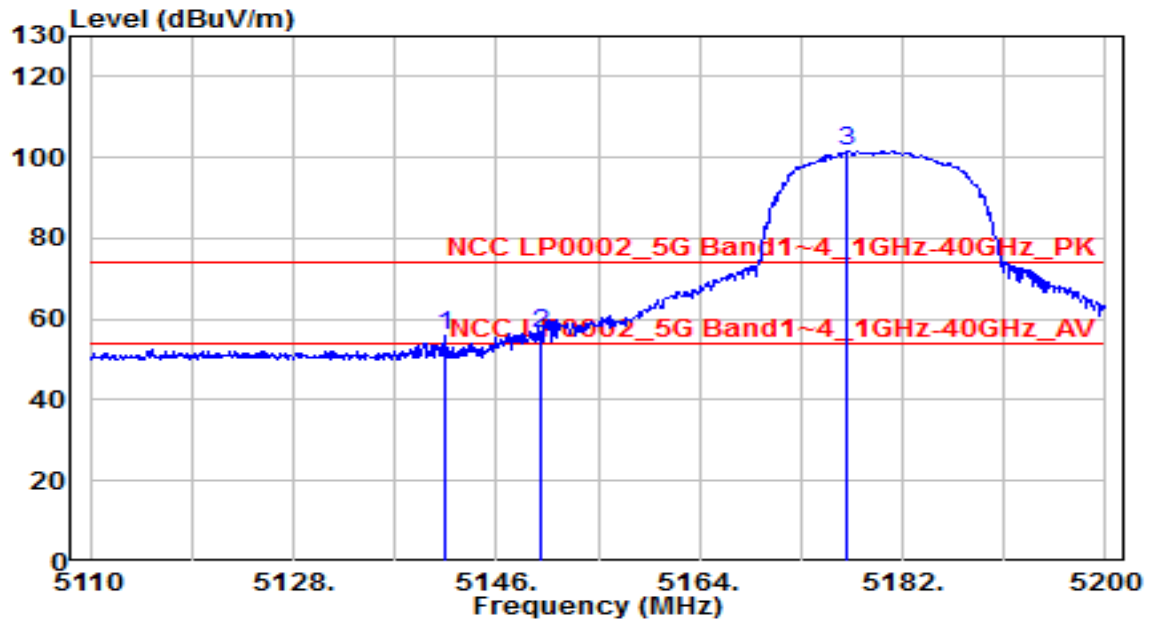


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5822.745	105.95	5.94	111.89	N/A	N/A	150	290	Peak
2	5850.000	72.24	6.04	78.29	-43.91	122.20	150	290	Peak
3	5855.000	65.45	6.06	71.51	-39.29	110.80	150	290	Peak
4	5875.000	58.13	6.13	64.26	-40.94	105.20	150	290	Peak
5	5925.000	44.92	6.32	51.24	-16.96	68.20	150	290	Peak
6	* 5933.700	46.59	6.35	52.94	-15.26	68.20	150	290	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

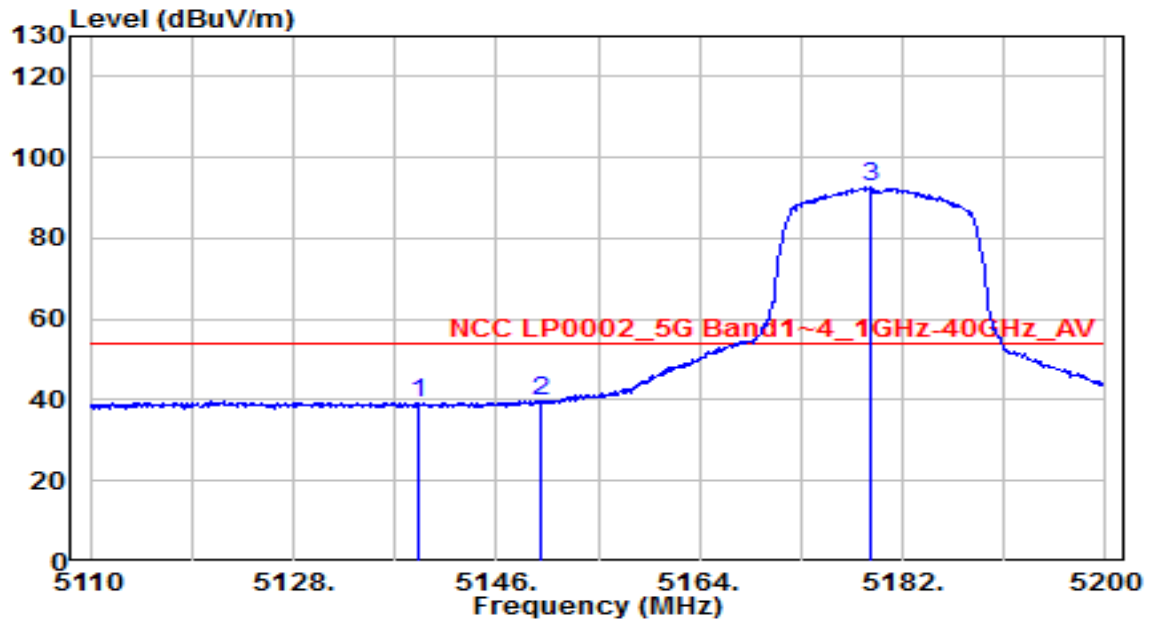


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5141.410	51.69	4.18	55.87	-18.13	74.00	150	95	Peak
2	* 5150.000	52.38	4.20	56.57	-17.43	74.00	150	95	Peak
3	5177.140	97.44	4.24	101.68	N/A	N/A	150	95	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

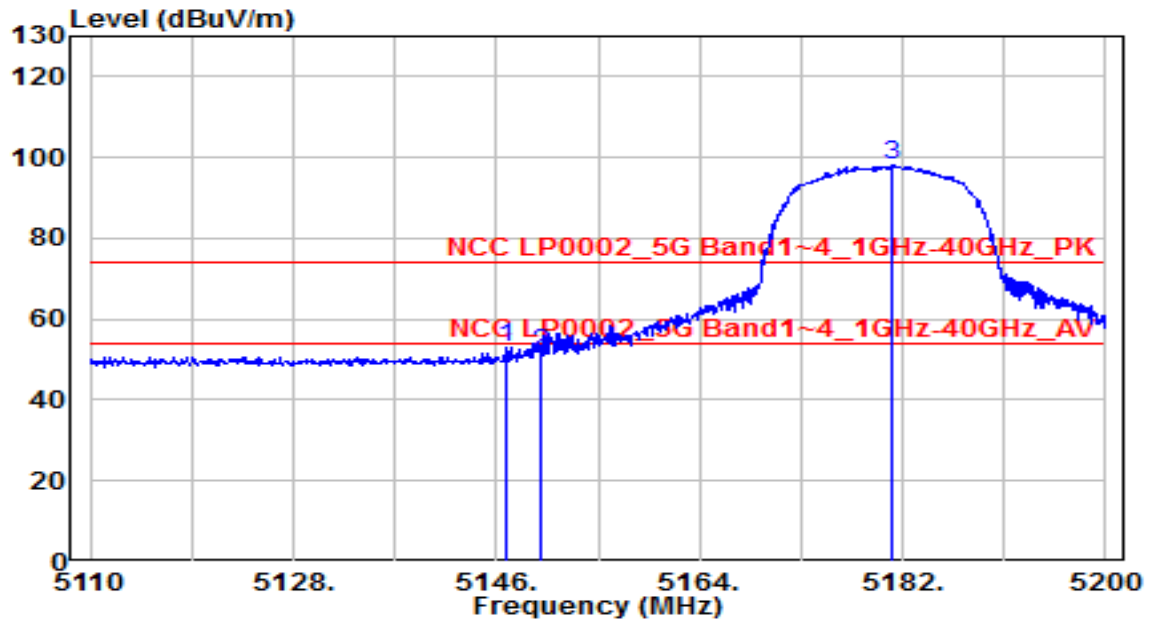


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5139.070	35.14	4.18	39.32	-14.68	54.00	150	95	Average
2	* 5150.000	35.44	4.20	39.63	-14.37	54.00	150	95	Average
3	5179.120	88.28	4.24	92.52	N/A	N/A	150	95	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

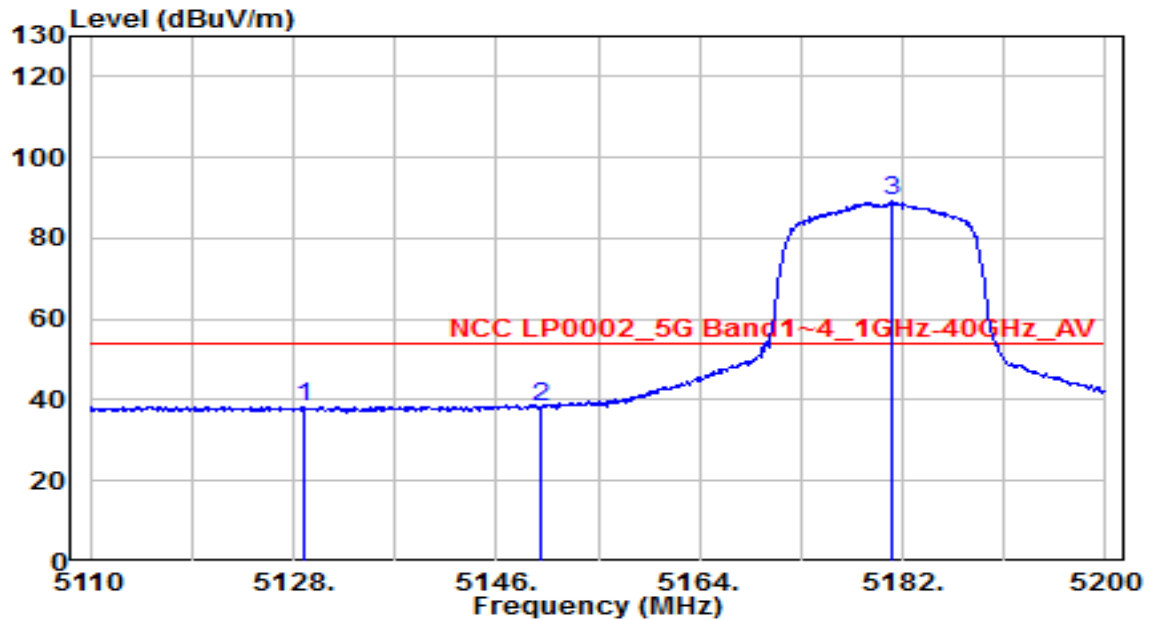


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5146.810	48.64	4.19	52.83	-21.17	74.00	135	340	Peak
2	5150.000	47.32	4.20	51.51	-22.49	74.00	135	340	Peak
3	5181.010	93.77	4.25	98.02	N/A	N/A	135	340	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band1_CH 36_ANT 0	Test Voltage	AC 110V/60Hz

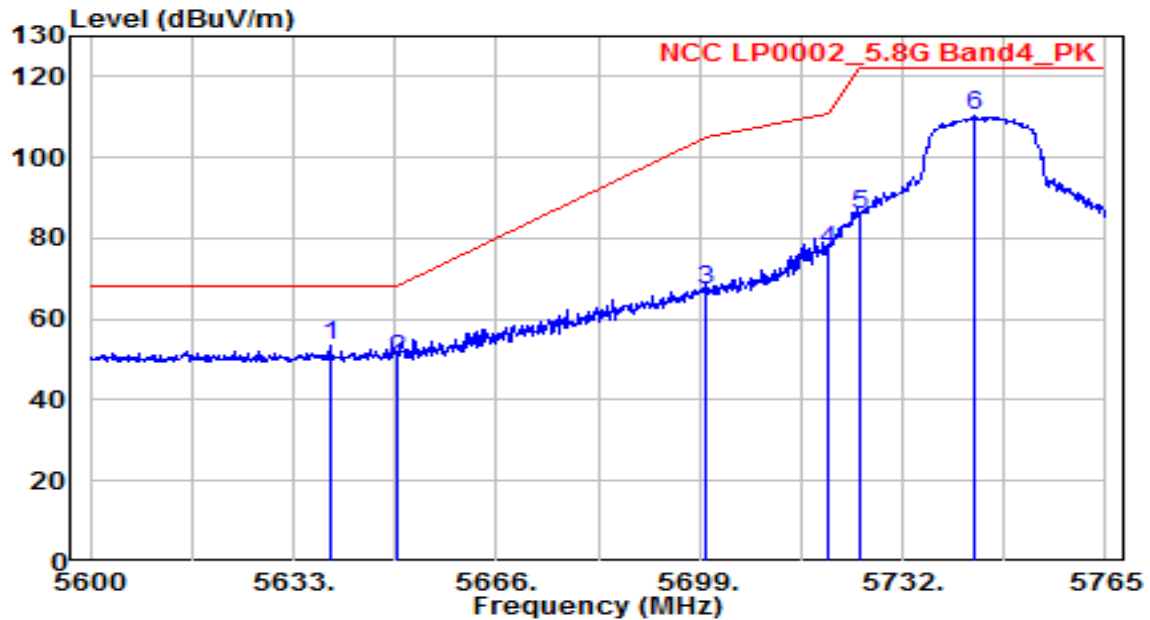


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5128.900	34.25	4.16	38.41	-15.59	54.00	135	340	Average
2	5150.000	34.17	4.20	38.36	-15.64	54.00	135	340	Average
3	5181.100	84.80	4.25	89.05	N/A	N/A	135	340	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

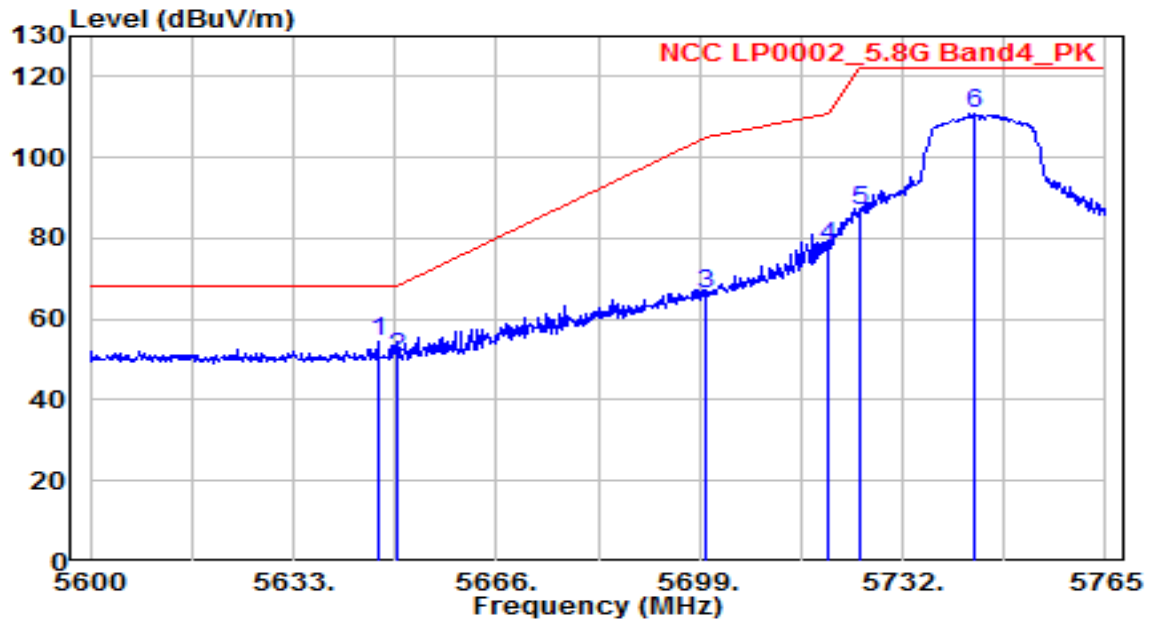


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5638.940	48.01	5.28	53.29	-14.91	68.20	150	90	Peak
2	5650.000	44.73	5.32	50.05	-18.15	68.20	150	90	Peak
3	5700.000	61.85	5.50	67.34	-37.86	105.20	150	90	Peak
4	5720.000	71.59	5.57	77.16	-33.64	110.80	150	90	Peak
5	5725.000	80.08	5.59	85.67	-36.53	122.20	150	90	Peak
6	5743.550	104.81	5.66	110.47	N/A	N/A	150	90	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 149_ANT 0	Test Voltage	AC 110V/60Hz

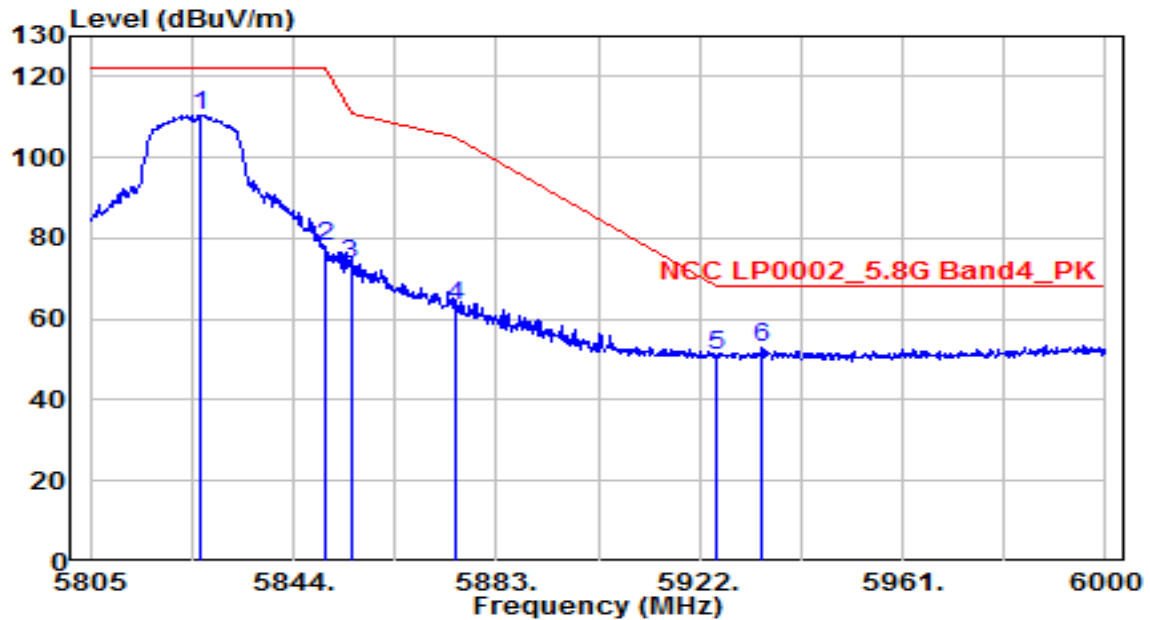


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5646.695	49.22	5.30	54.52	-13.68	68.20	150	315	Peak
2	5650.000	45.10	5.32	50.42	-17.78	68.20	150	315	Peak
3	5700.000	60.89	5.50	66.39	-38.81	105.20	150	315	Peak
4	5720.000	72.40	5.57	77.97	-32.83	110.80	150	315	Peak
5	5725.000	81.40	5.59	86.99	-35.21	122.20	150	315	Peak
6	5743.550	105.31	5.66	110.97	N/A	N/A	150	315	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

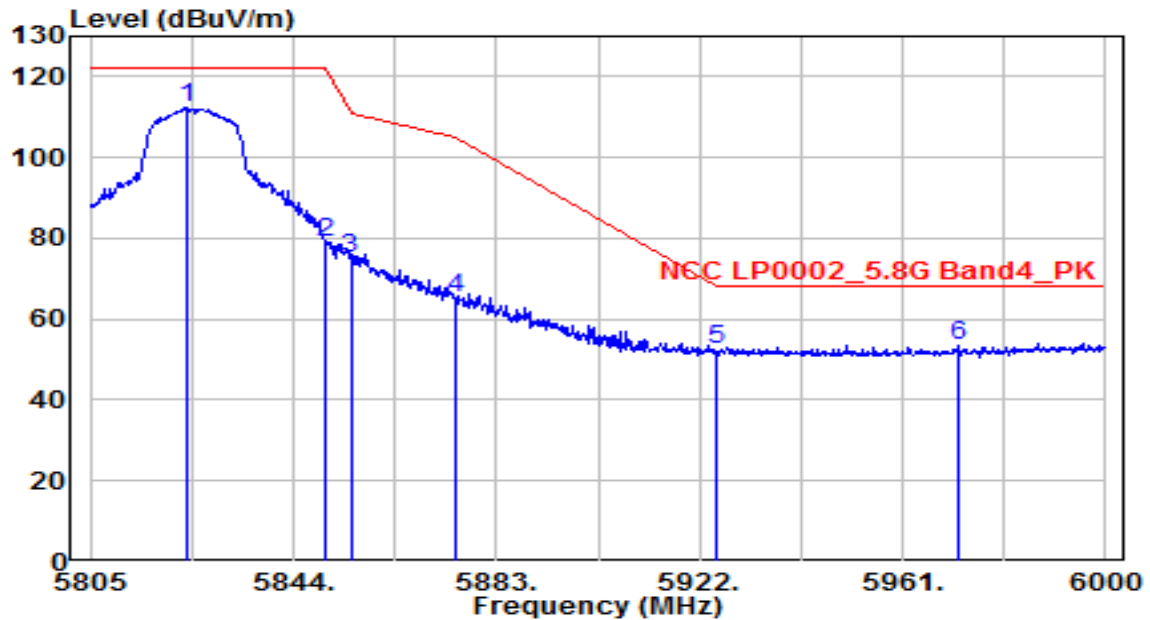


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5826.255	104.49	5.96	110.44	N/A	N/A	150	95	Peak
2	5850.000	71.91	6.04	77.95	-44.25	122.20	150	95	Peak
3	5855.000	67.33	6.06	73.39	-37.41	110.80	150	95	Peak
4	5875.000	57.26	6.13	63.39	-41.81	105.20	150	95	Peak
5	5925.000	44.74	6.32	51.06	-17.14	68.20	150	95	Peak
6	* 5934.090	46.86	6.35	53.21	-14.99	68.20	150	95	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-20MHz_TX_Band4_CH 165_ANT 0	Test Voltage	AC 110V/60Hz

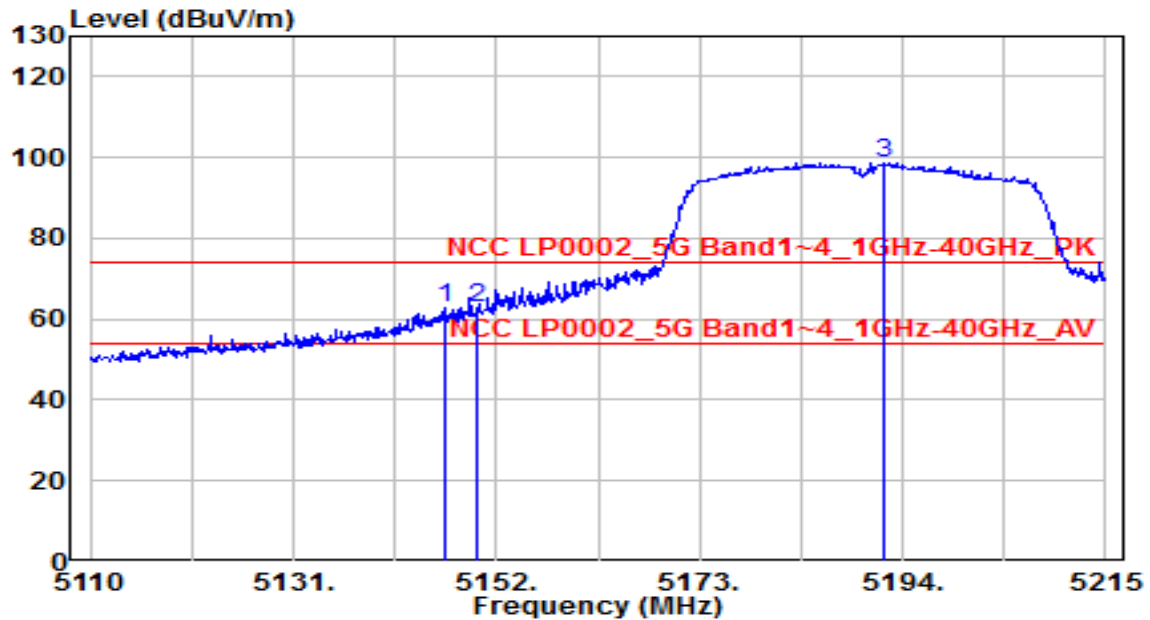


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5823.525	106.24	5.95	112.19	N/A	N/A	150	290	Peak
2	5850.000	72.82	6.04	78.86	-43.34	122.20	150	290	Peak
3	5855.000	69.03	6.06	75.09	-35.71	110.80	150	290	Peak
4	5875.000	59.32	6.13	65.46	-39.74	105.20	150	290	Peak
5	5925.000	46.06	6.32	52.38	-15.82	68.20	150	290	Peak
6	* 5971.920	46.88	6.49	53.37	-14.83	68.20	150	290	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

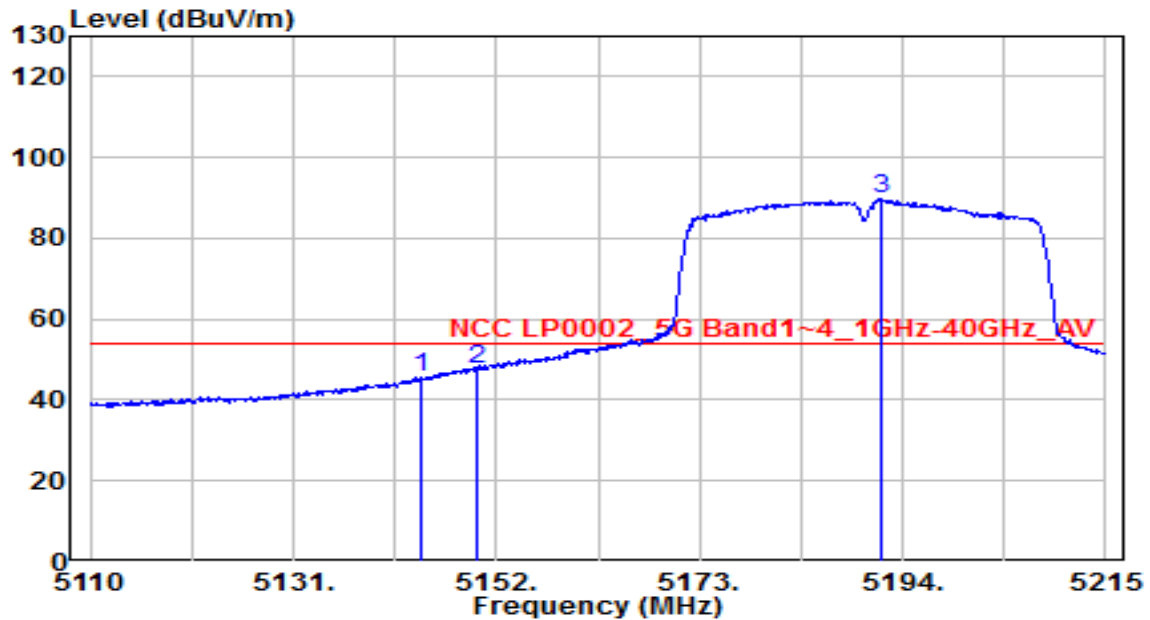


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5146.645	58.36	4.19	62.55	-11.45	74.00	150	95	Peak
2	* 5150.000	58.73	4.20	62.93	-11.07	74.00	150	95	Peak
3	5192.110	94.55	4.27	98.82	N/A	N/A	150	95	Peak

Note:

1. "*", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

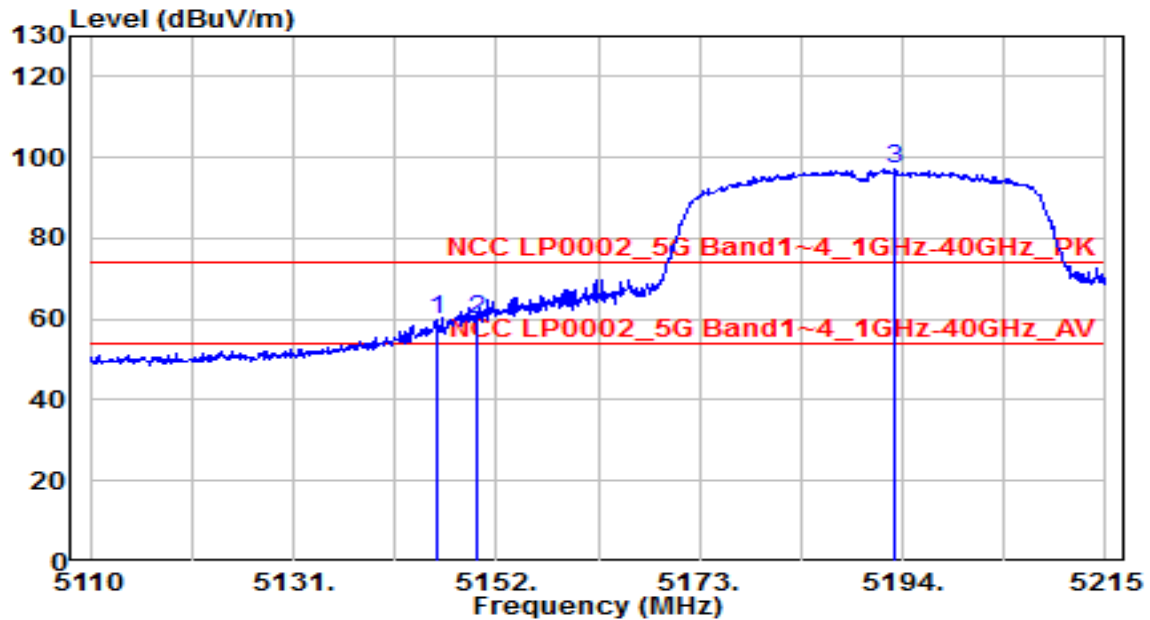


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5144.335	41.62	4.19	45.81	-8.19	54.00	150	95	Average
2	* 5150.000	43.51	4.20	47.71	-6.29	54.00	150	95	Average
3	5191.795	85.34	4.26	89.61	N/A	N/A	150	95	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

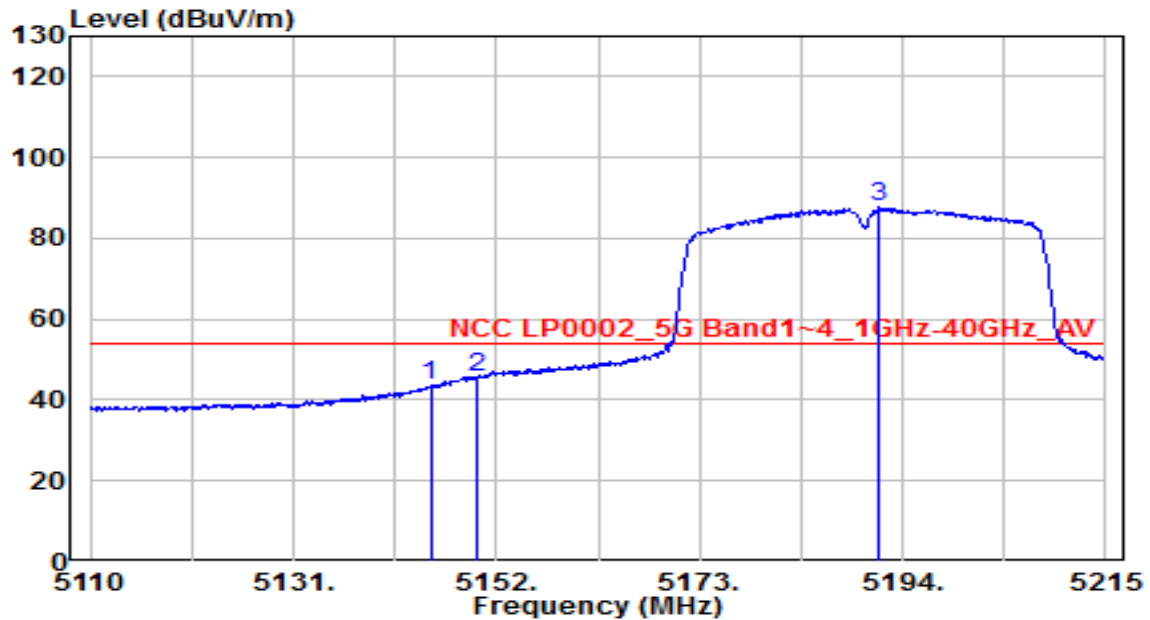


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	5145.805	55.89	4.19	60.08	-13.92	74.00	135	340	Peak
2		5150.000	55.45	4.20	59.65	-14.35	74.00	135	340	Peak
3		5193.160	92.73	4.27	96.99	N/A	N/A	135	340	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band1_CH 38_ANT 0	Test Voltage	AC 110V/60Hz

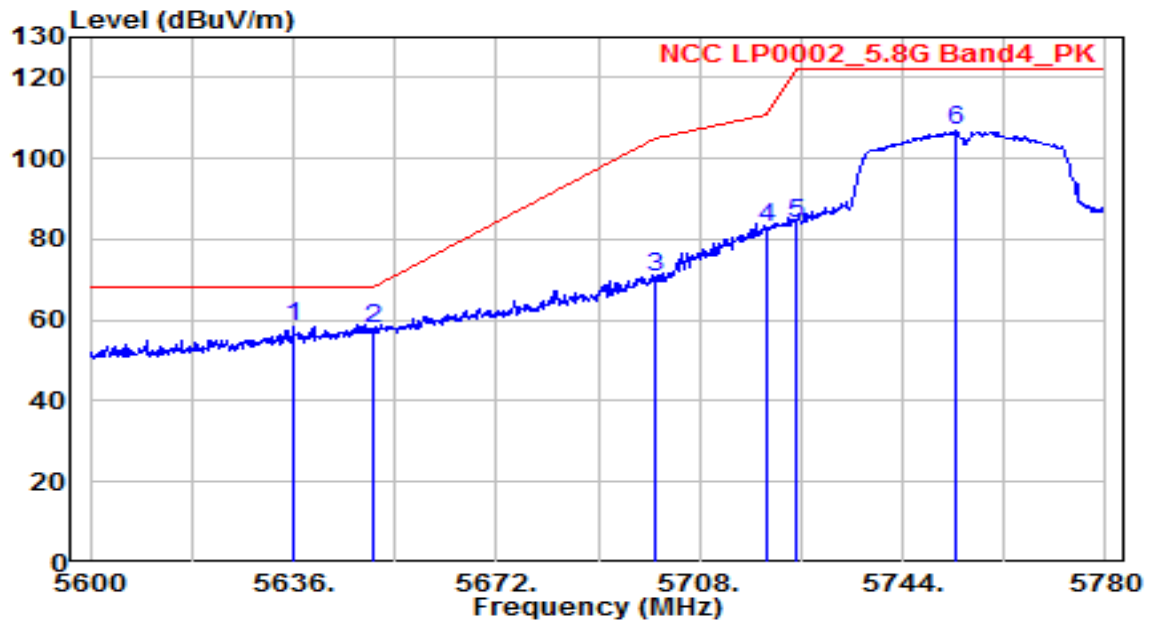


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5145.175	39.65	4.19	43.84	-10.16	54.00	135	340	Average
2	* 5150.000	41.40	4.20	45.59	-8.41	54.00	135	340	Average
3	5191.585	83.31	4.26	87.58	N/A	N/A	135	340	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 110V/60Hz

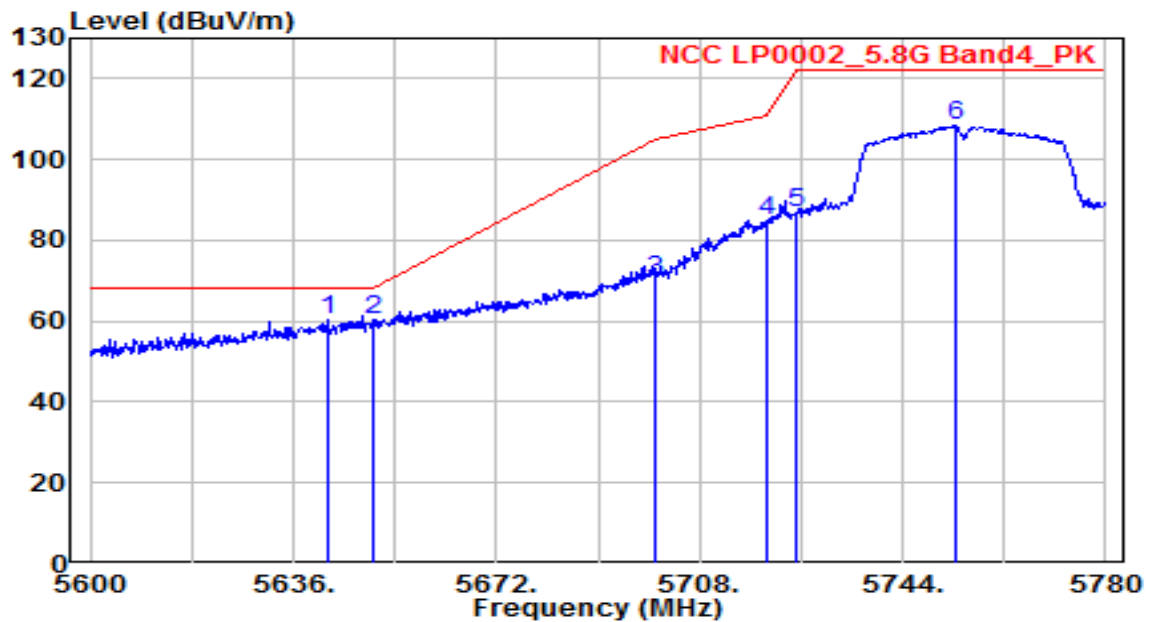


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5636.000	53.27	5.27	58.54	-9.66	68.20	150	90	Peak
2	5650.000	52.34	5.32	57.66	-10.54	68.20	150	90	Peak
3	5700.000	65.36	5.50	70.85	-34.35	105.20	150	90	Peak
4	5720.000	77.55	5.57	83.12	-27.68	110.80	150	90	Peak
5	5725.000	78.39	5.59	83.98	-38.22	122.20	150	90	Peak
6	5753.360	101.03	5.69	106.73	N/A	N/A	150	90	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 151_ANT 0	Test Voltage	AC 110V/60Hz

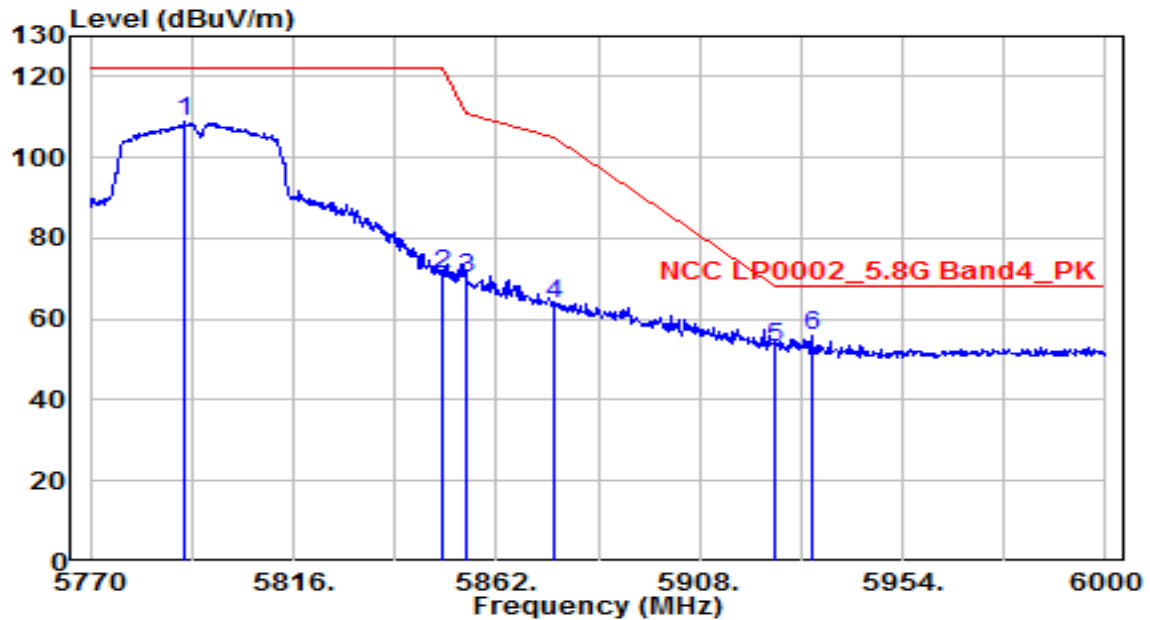


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5642.120	54.89	5.29	60.17	-8.03	68.20	150	315	Peak
2	* 5650.000	55.18	5.32	60.50	-7.70	68.20	150	315	Peak
3	5700.000	64.78	5.50	70.28	-34.92	105.20	150	315	Peak
4	5720.000	79.33	5.57	84.90	-25.90	110.80	150	315	Peak
5	5725.000	81.00	5.59	86.59	-35.61	122.20	150	315	Peak
6	5753.360	102.57	5.69	108.26	N/A	N/A	150	315	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	AC 110V/60Hz

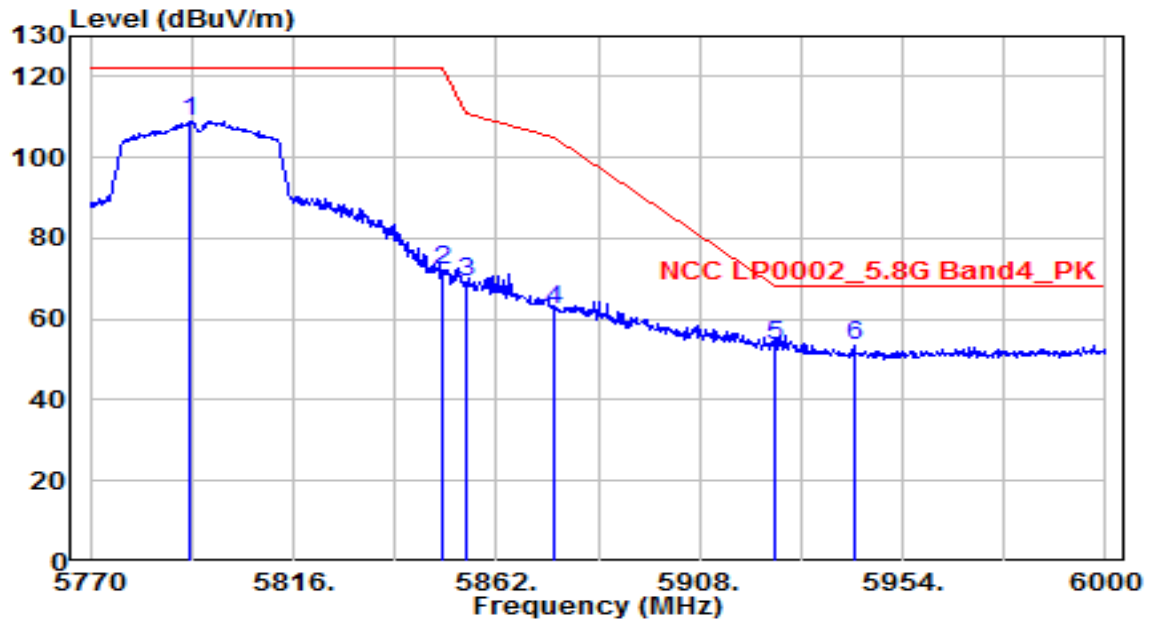


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5791.390	102.92	5.83	108.75	N/A	N/A	150	95	Peak
2	5850.000	65.02	6.04	71.06	-51.14	122.20	150	95	Peak
3	5855.000	64.24	6.06	70.30	-40.50	110.80	150	95	Peak
4	5875.000	57.40	6.13	63.53	-41.67	105.20	150	95	Peak
5	5925.000	46.84	6.32	53.16	-15.04	68.20	150	95	Peak
6	* 5933.300	49.40	6.35	55.74	-12.46	68.20	150	95	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11n-40MHz_TX_Band4_CH 159_ANT 0	Test Voltage	AC 110V/60Hz

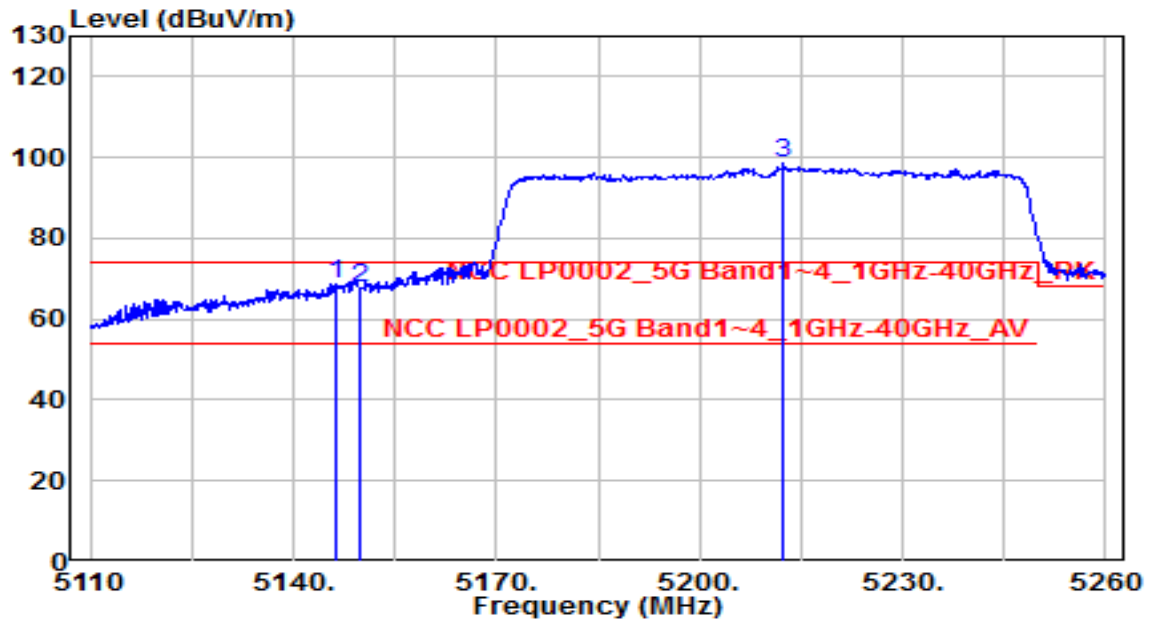


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5792.770	103.17	5.84	109.00	N/A	N/A	150	290	Peak
2	5850.000	66.28	6.04	72.32	-49.88	122.20	150	290	Peak
3	5855.000	63.14	6.06	69.20	-41.60	110.80	150	290	Peak
4	5875.000	56.35	6.13	62.48	-42.72	105.20	150	290	Peak
5	5925.000	47.07	6.32	53.38	-14.82	68.20	150	290	Peak
6	5942.960	46.97	6.38	53.35	-14.85	68.20	150	290	Peak

Note:

1. " **", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

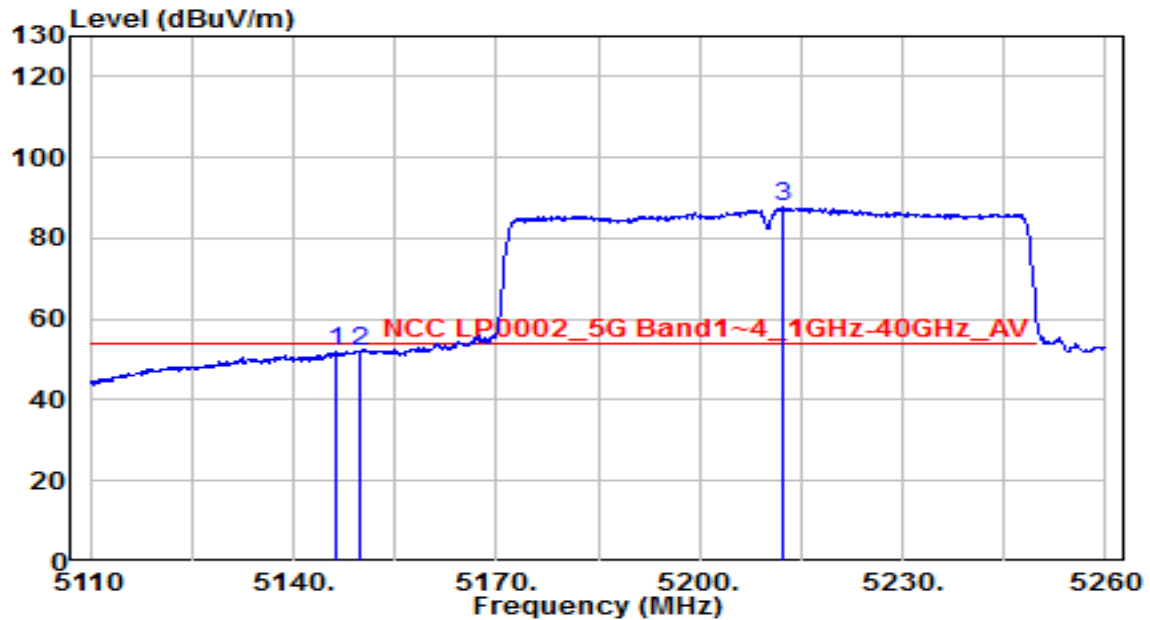


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5146.150	64.40	4.19	68.59	-5.41	74.00	150	95	Peak
2	5150.000	63.69	4.20	67.88	-6.12	74.00	150	95	Peak
3	5212.450	94.15	4.30	98.45	N/A	N/A	150	95	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

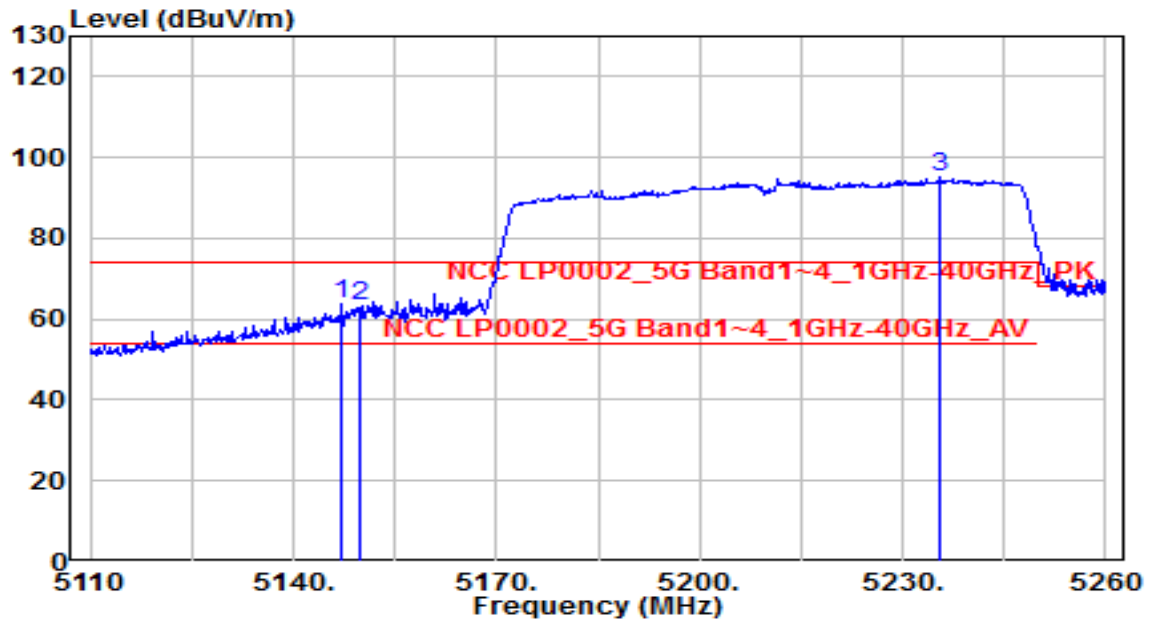


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5146.300	47.64	4.19	51.83	-2.17	54.00	150	95	Average
2	* 5150.000	47.95	4.20	52.15	-1.85	54.00	150	95	Average
3	5212.450	83.29	4.30	87.58	N/A	N/A	150	95	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

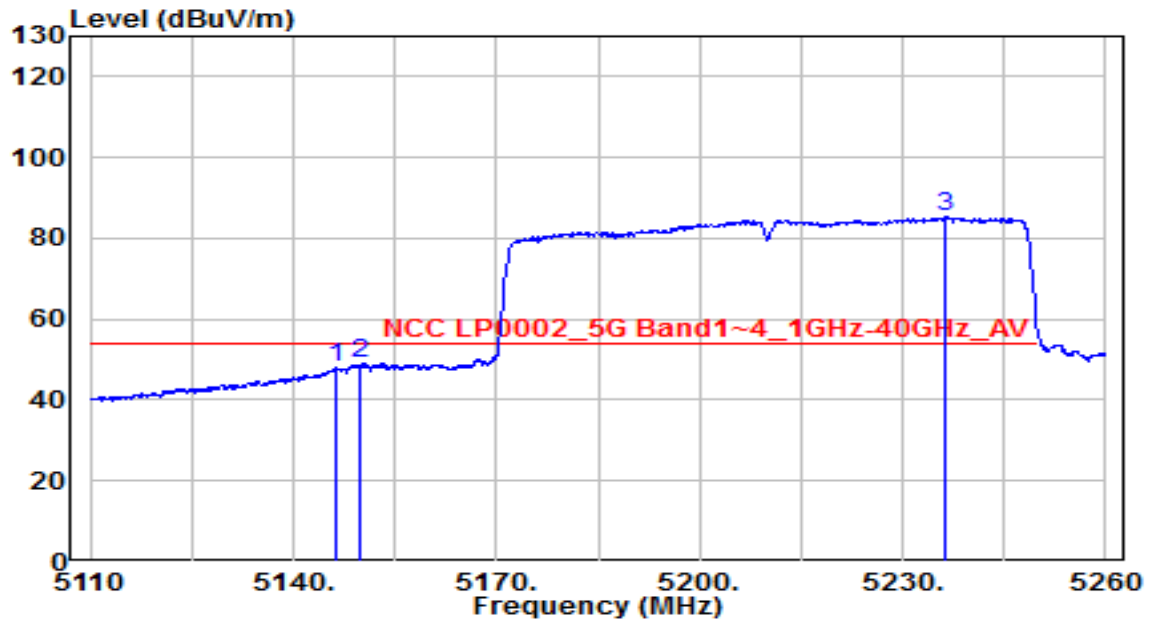


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5147.200	59.49	4.19	63.68	-10.32	74.00	135	340	Peak
2	5150.000	59.07	4.20	63.26	-10.74	74.00	135	340	Peak
3	5235.400	90.63	4.34	94.96	N/A	N/A	135	340	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band1_CH 42_ANT 0	Test Voltage	AC 110V/60Hz

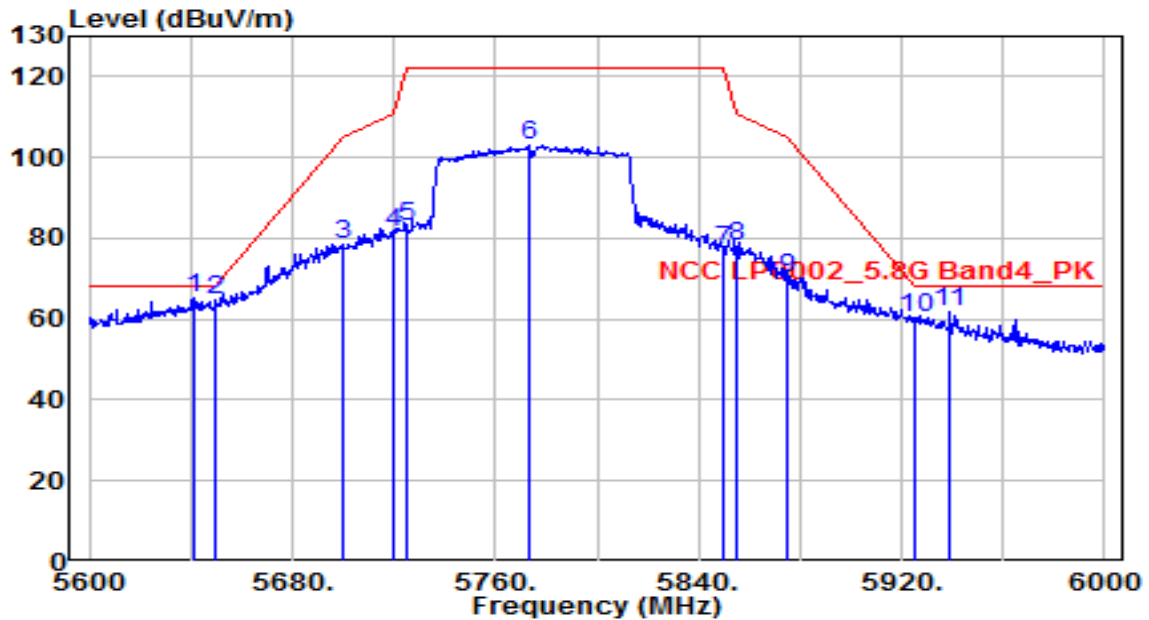


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	5146.150	43.72	4.19	47.91	-6.09	54.00	135	340	Average
2	* 5150.000	44.72	4.20	48.92	-5.08	54.00	135	340	Average
3	5236.300	80.86	4.34	85.20	N/A	N/A	135	340	Average

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Horizontal	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	Test Voltage	AC 110V/60Hz

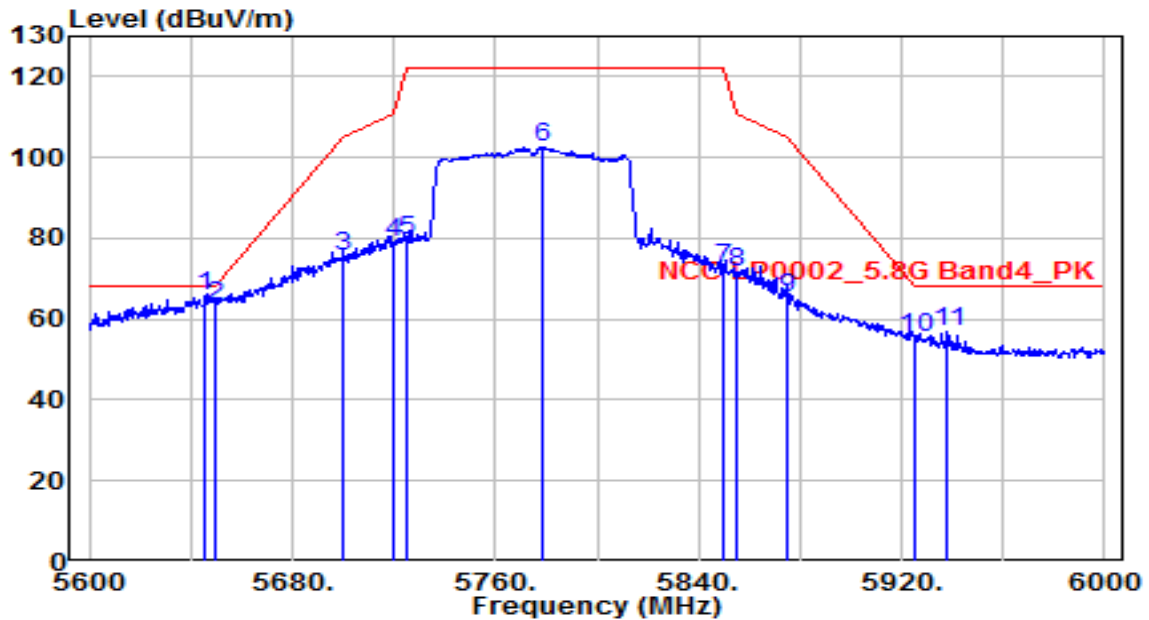


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5641.600	60.11	5.29	65.40	-2.80	68.20	150	95	Peak
2	5650.000	59.56	5.32	64.88	-3.32	68.20	150	95	Peak
3	5700.000	72.81	5.50	78.30	-26.90	105.20	150	95	Peak
4	5720.000	75.76	5.57	81.33	-29.47	110.80	150	95	Peak
5	5725.000	77.46	5.59	83.04	-39.16	122.20	150	95	Peak
6	5773.200	97.06	5.76	102.83	N/A	N/A	150	95	Peak
7	5850.000	71.00	6.04	77.04	-45.16	122.20	150	95	Peak
8	5855.000	71.93	6.06	77.99	-32.81	110.80	150	95	Peak
9	5875.000	64.19	6.13	70.32	-34.88	105.20	150	95	Peak
10	5925.000	53.83	6.32	60.15	-8.05	68.20	150	95	Peak
11	5938.800	55.35	6.37	61.72	-6.48	68.20	150	95	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	8 吋強固型安卓手持裝置	Date of Test	2021-09-16
Factor	BBHA 9120D	Temp. / Humidity	24°C / 64%
Polarity	Vertical	Site / Test Engineer	AC1 / Kaunaz
Test Mode	802.11ac-80MHz_TX_Band4_CH 155_ANT 0	Test Voltage	AC 110V/60Hz



No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 5645.600	60.45	5.30	65.75	-2.45	68.20	150	315	Peak
2	5650.000	58.02	5.32	63.34	-4.86	68.20	150	315	Peak
3	5700.000	70.27	5.50	75.77	-29.43	105.20	150	315	Peak
4	5720.000	73.25	5.57	78.82	-31.98	110.80	150	315	Peak
5	5725.000	73.65	5.59	79.24	-42.96	122.20	150	315	Peak
6	5778.400	96.68	5.78	102.46	N/A	N/A	150	315	Peak
7	5850.000	66.64	6.04	72.68	-49.52	122.20	150	315	Peak
8	5855.000	65.35	6.06	71.41	-39.39	110.80	150	315	Peak
9	5875.000	58.98	6.13	65.11	-40.09	105.20	150	315	Peak
10	5925.000	49.27	6.32	55.58	-12.62	68.20	150	315	Peak
11	5938.000	50.54	6.36	56.91	-11.29	68.20	150	315	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB) + 10dB Attenuation.
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

5.6 占用頻寬

5.6.1 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，頻譜分析儀之設定，參考如下：

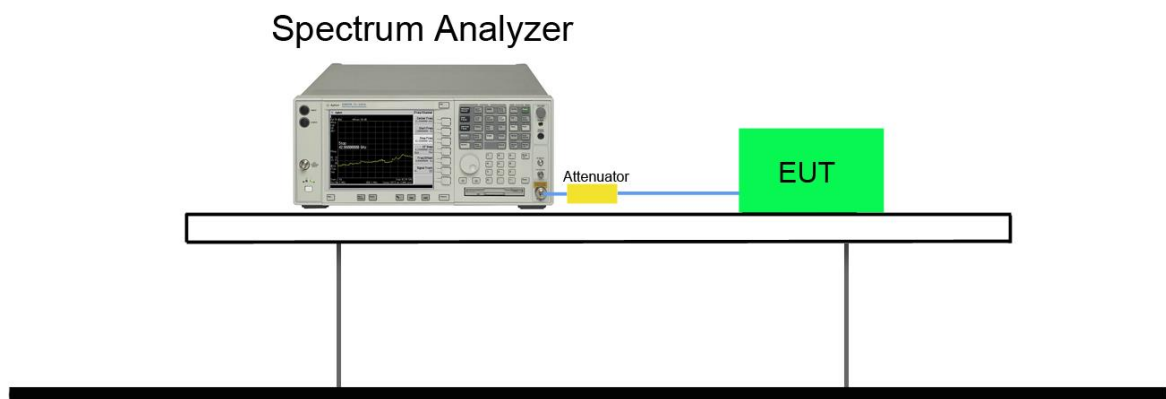
- (1) Set RBW = 100 kHz
- (2) VBW $\geq 3 \times$ RBW
- (3) Detector = Peak
- (4) Trace mode = max hold
- (5) Sweep = auto couple

5.6.2 限制要求

26dB頻寬至少應有500kHz。

6dB頻寬至少應有500kHz。

5.6.3 測試架構圖

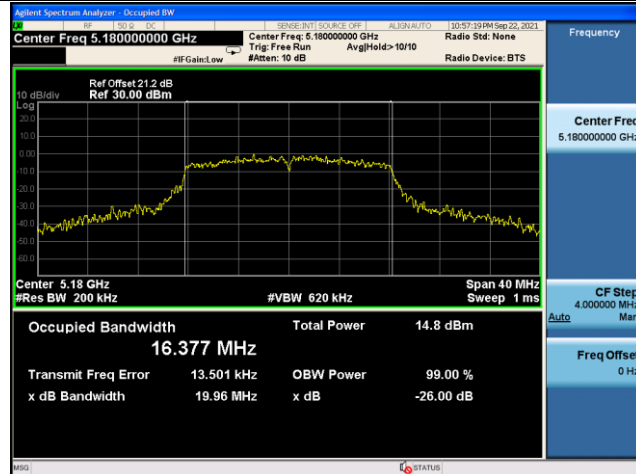


5.6.4 占用頻寬測試結果

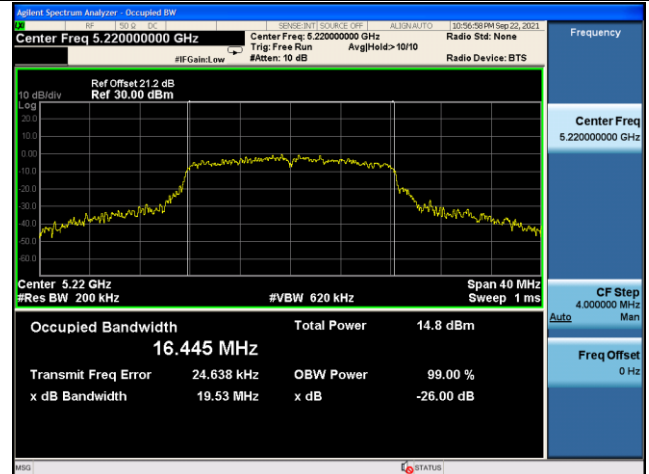
26dB 頻寬:

Test Mode	Channel No.	Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Result
TX- 802.11a_Band1	36	5180	19.960	≥ 0.5	Pass
	44	5220	19.530	≥ 0.5	Pass
	48	5240	19.690	≥ 0.5	Pass
TX- 802.11a_Band4	149	5745	21.010	≥ 0.5	Pass
	157	5785	19.860	≥ 0.5	Pass
	165	5825	21.530	≥ 0.5	Pass
TX- 802.11n-HT20_Band1	36	5180	20.110	≥ 0.5	Pass
	44	5220	19.790	≥ 0.5	Pass
	48	5240	19.930	≥ 0.5	Pass
TX- 802.11n-HT20_Band4	149	5745	20.610	≥ 0.5	Pass
	157	5785	23.920	≥ 0.5	Pass
	165	5825	22.370	≥ 0.5	Pass
TX- 802.11n-HT40_Band1	38	5190	40.210	≥ 0.5	Pass
	46	5230	40.060	≥ 0.5	Pass
TX- 802.11n-HT40_Band4	151	5755	40.450	≥ 0.5	Pass
	159	5795	46.450	≥ 0.5	Pass
TX- 802.11ac-VHT80_Band1	42	5210	82.390	≥ 0.5	Pass
TX- 802.11ac-VHT80_Band4	155	5775	94.930	≥ 0.5	Pass

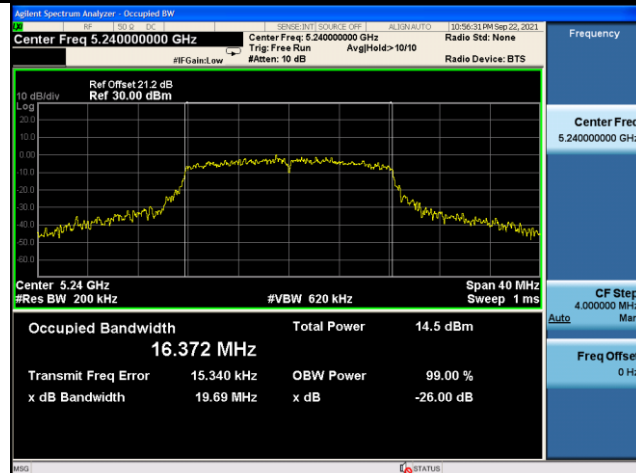
802.11 a CH36 (5180MHz)



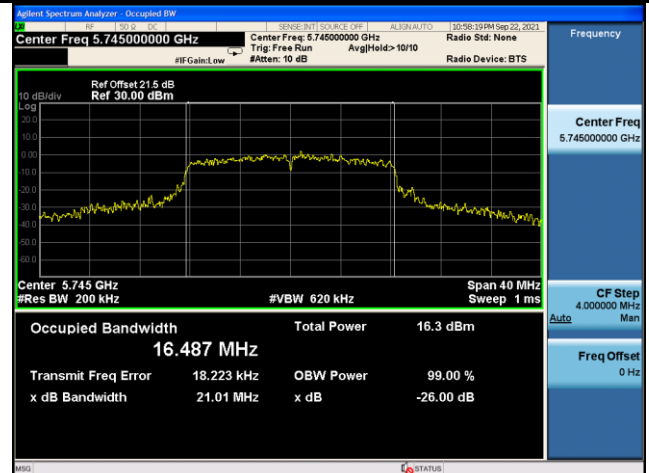
802.11 a CH44 (5220MHz)



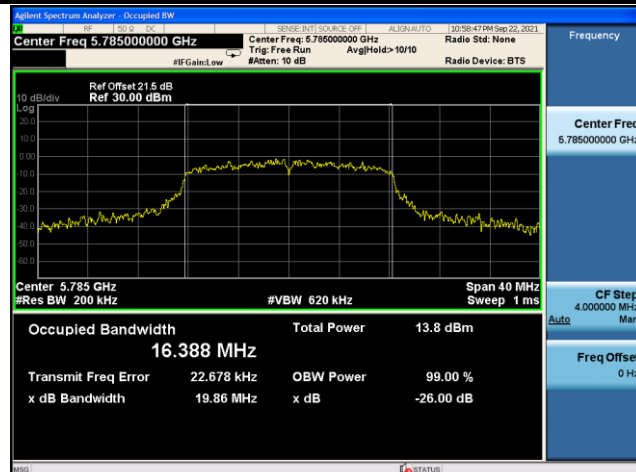
802.11 a CH48 (5240MHz)



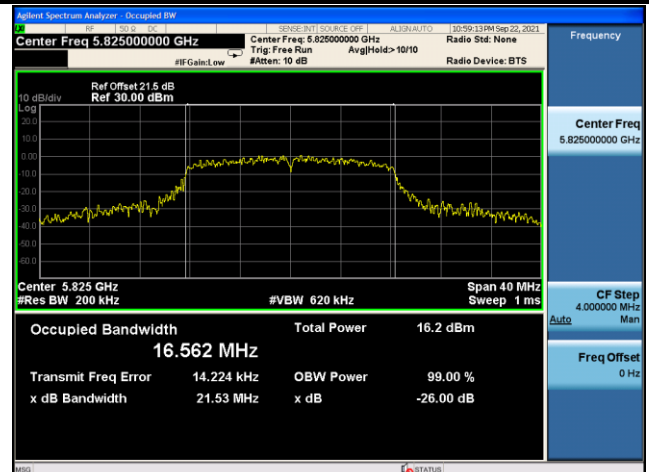
802.11 a CH149 (5745MHz)

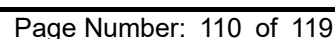


802.11 a CH157 (5785MHz)

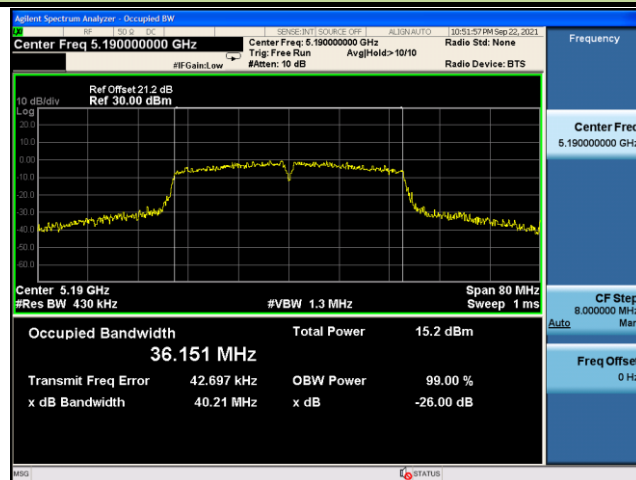


802.11 a CH165 (5825MHz)

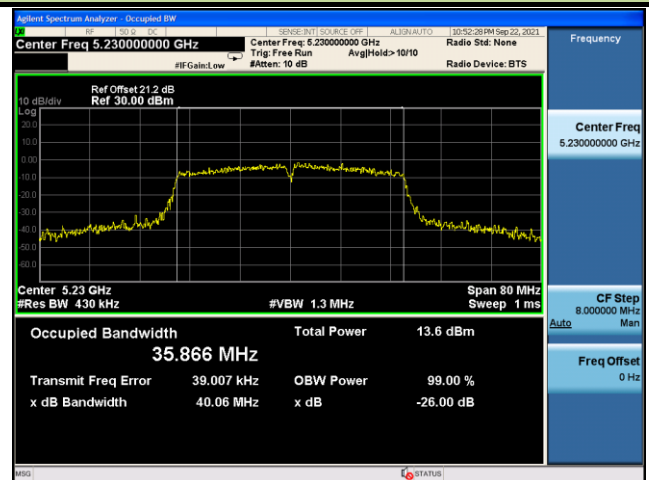




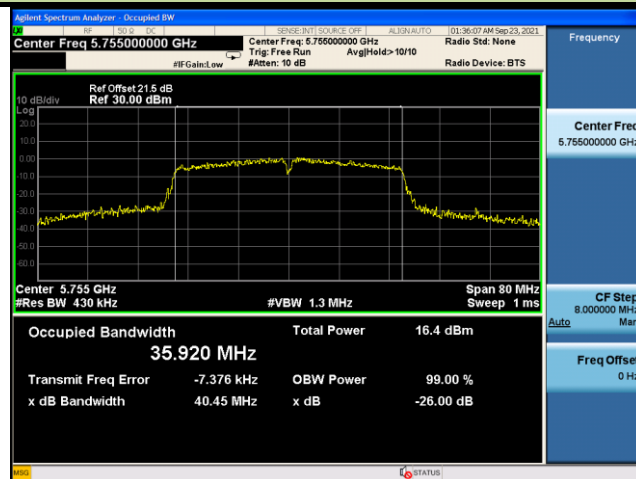
802.11 n-HT40 CH38 (5190MHz)



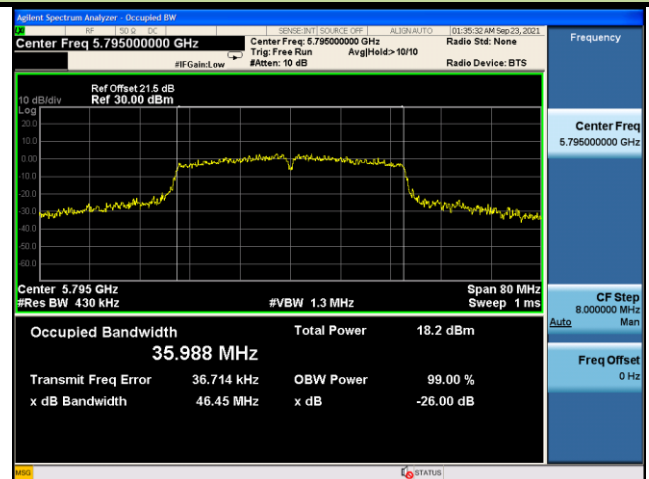
802.11 n-HT40 CH46 (5230MHz)



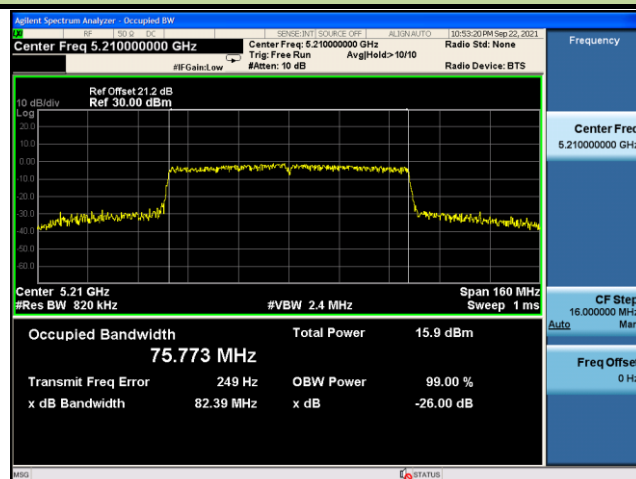
802.11 n-HT40 CH151 (5755MHz)



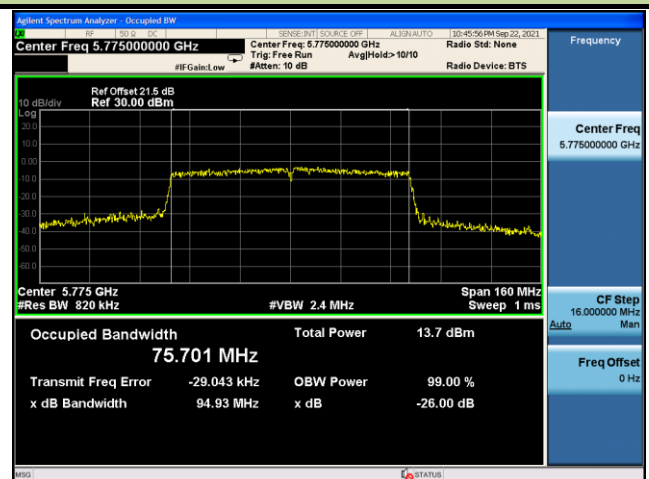
802.11 n-HT40 CH159 (5795MHz)



802.11 ac-VHT80 CH42 (5210MHz)



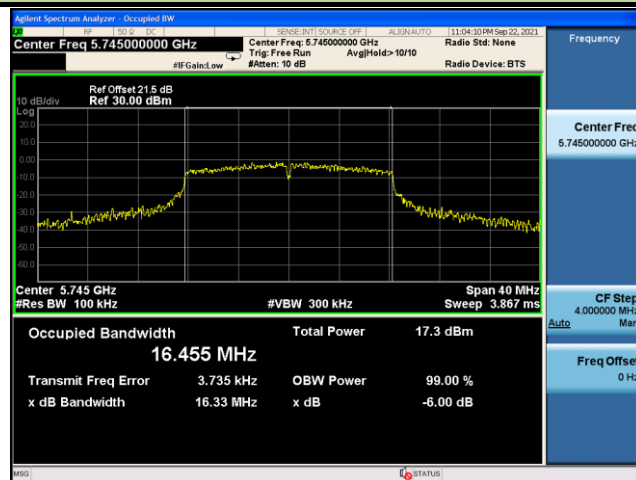
802.11 ac-VHT80 CH155 (5775MHz)



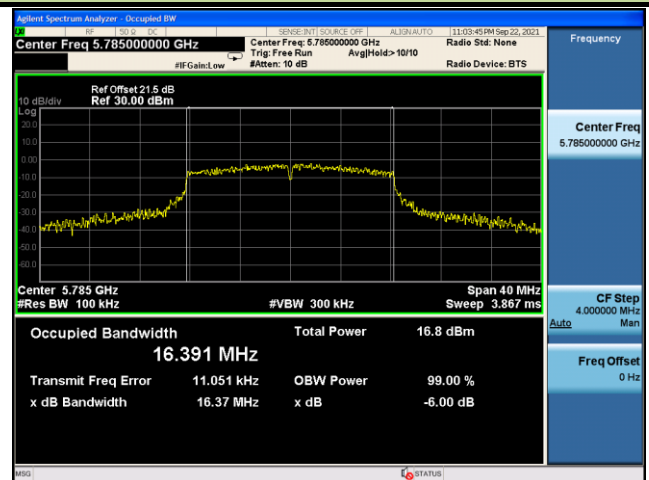
6dB 頻寬:

Test Mode	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
TX- 802.11a_Band4	149	5745	16.330	≥ 0.5	Pass
	157	5785	16.370	≥ 0.5	Pass
	165	5825	16.320	≥ 0.5	Pass
TX- 802.11n-HT20_Band4	149	5745	17.310	≥ 0.5	Pass
	157	5785	17.300	≥ 0.5	Pass
	165	5825	17.610	≥ 0.5	Pass
TX- 802.11n-HT40_Band4	151	5755	35.250	≥ 0.5	Pass
	159	5795	35.730	≥ 0.5	Pass
TX- 802.11ac-VHT80_Band4	155	5775	76.540	≥ 0.5	Pass

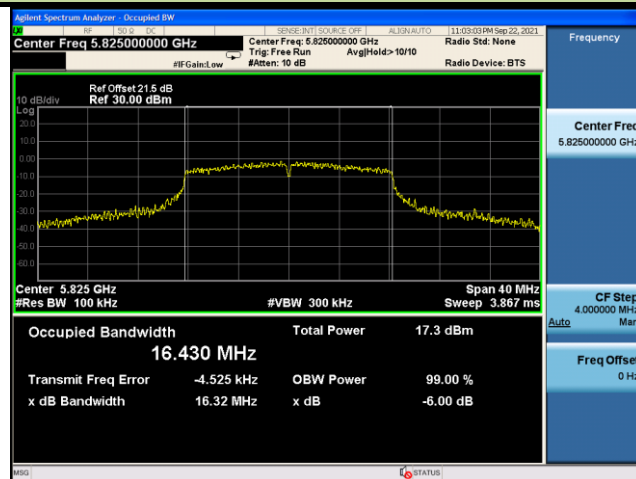
802.11 a CH149 (5745MHz)



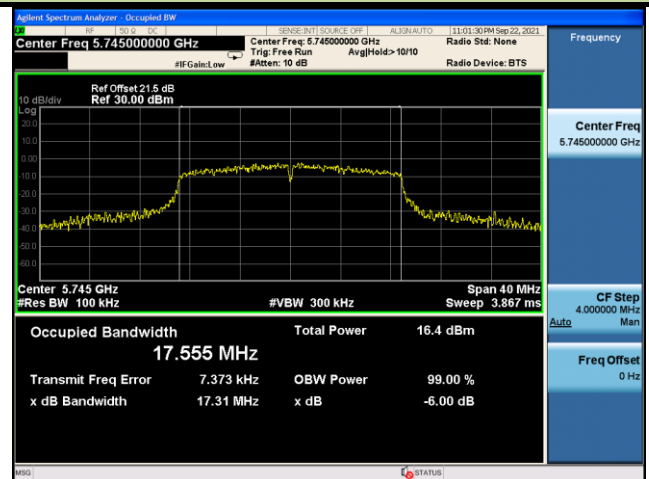
802.11 a CH157 (5785MHz)



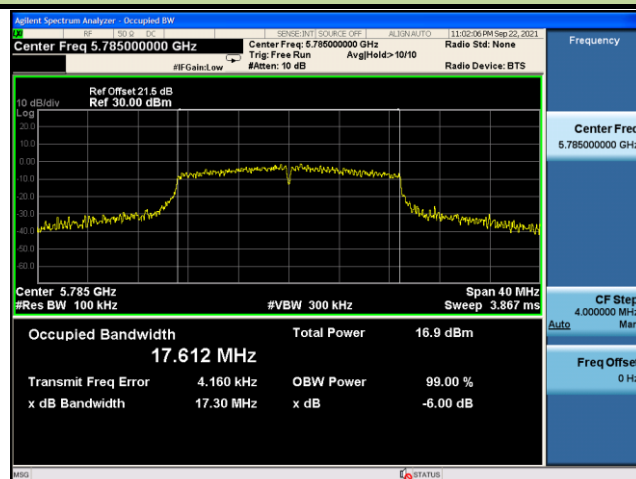
802.11 a CH165 (5825MHz)



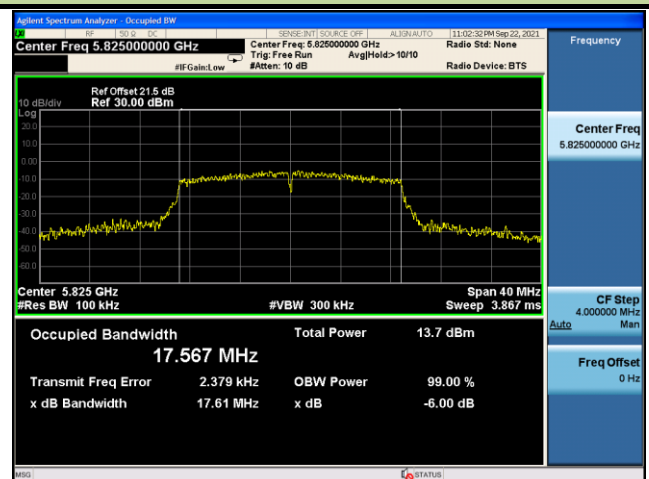
802.11 n-HT20 CH149 (5745MHz)



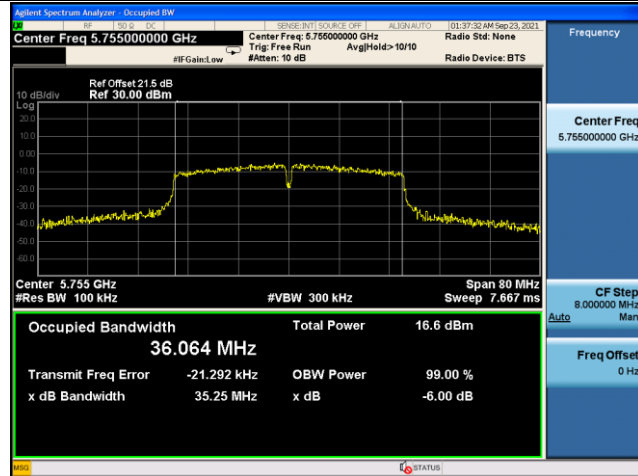
802.11 n-HT20 CH157 (5785MHz)



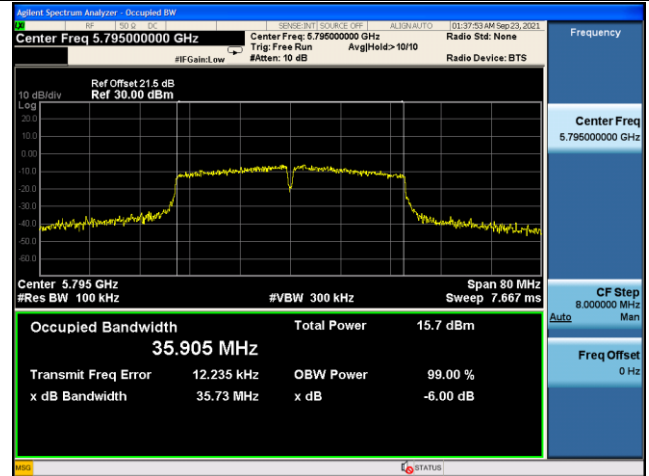
802.11 n-HT20 CH165 (5825MHz)



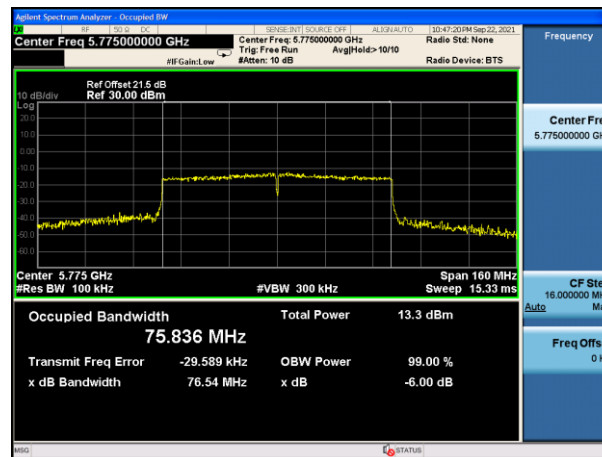
802.11 n-HT40 CH151 (5755MHz)



802.11 n-HT40 CH159 (5795MHz)



802.11 ac-VHT80 CH155 (5775MHz)



5.7. 功率頻譜密度

5.7.1 量測方法

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

5.7.2 限制要求

1. 使用於5.15 GHz～5.25 GHz 頻段

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

(2)供室內操作使用:

(A)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

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

(3)供固定式點對點操作使用:

(A) 在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

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

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

(4)供用戶端裝置(Client Device)操作使用:

(A)在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

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

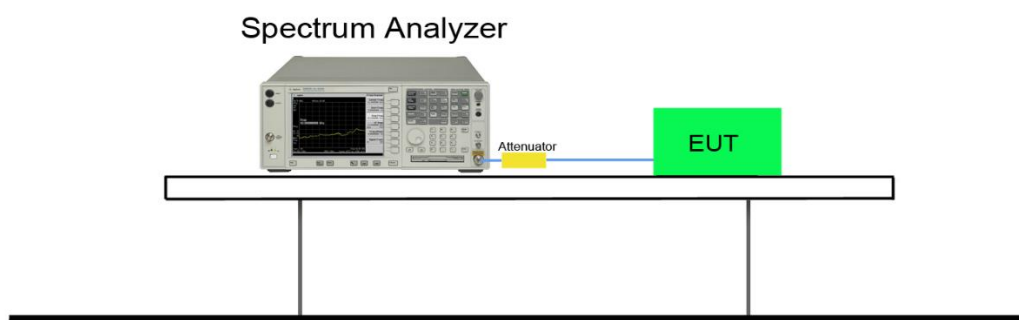
2. 使用頻率於5.725 GHz～5.850 GHz 頻段

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

(2)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

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

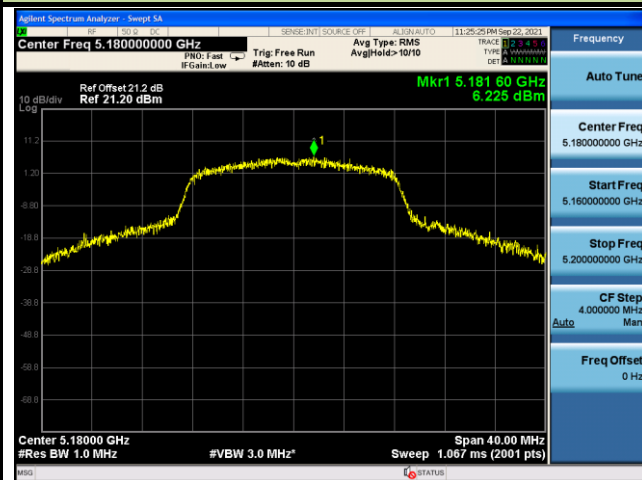
5.7.3 測試架構圖



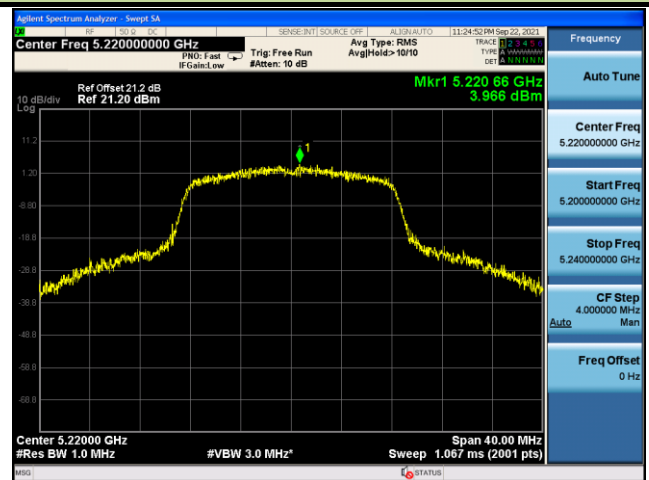
5.7.4 功率頻譜密度測試結果

Test Mode	Channel No.	Freq. (MHz)	PSD (dBm)	Limit (dBm/MHz)	Result
TX- 802.11a_Band1	36	5180	6.225	$\leq 11\text{dBm/MHz}$	Pass
	44	5220	3.966	$\leq 11\text{dBm/MHz}$	Pass
	48	5240	6.351	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11a_Band4	149	5745	2.233	$\leq 30\text{dBm}/500\text{kHz}$	Pass
	157	5785	2.416	$\leq 30\text{dBm}/500\text{kHz}$	Pass
	165	5825	2.825	$\leq 30\text{dBm}/500\text{kHz}$	Pass
TX- 802.11n-HT20_Band1	36	5180	0.355	$\leq 11\text{dBm/MHz}$	Pass
	44	5220	-0.761	$\leq 11\text{dBm/MHz}$	Pass
	48	5240	-2.450	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11n-HT20_Band4	149	5745	2.181	$\leq 30\text{dBm}/500\text{kHz}$	Pass
	157	5785	2.381	$\leq 30\text{dBm}/500\text{kHz}$	Pass
	165	5825	2.879	$\leq 30\text{dBm}/500\text{kHz}$	Pass
TX- 802.11n-HT40_Band1	38	5190	-2.271	$\leq 11\text{dBm/MHz}$	Pass
	46	5230	-3.272	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11n-HT40_Band4	151	5755	0.090	$\leq 30\text{dBm}/500\text{kHz}$	Pass
	159	5795	0.953	$\leq 30\text{dBm}/500\text{kHz}$	Pass
TX- 802.11ac-VHT80_Band1	42	5210	-8.163	$\leq 11\text{dBm/MHz}$	Pass
TX- 802.11ac-VHT80_Band4	155	5775	-5.836	$\leq 30\text{dBm}/500\text{kHz}$	Pass

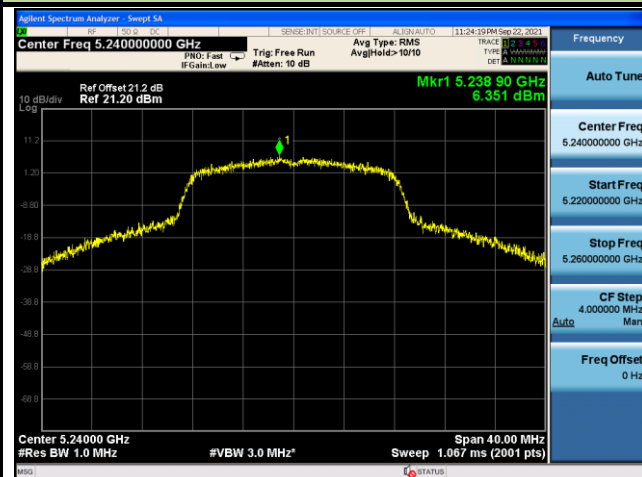
802.11 a CH36 (5180MHz)



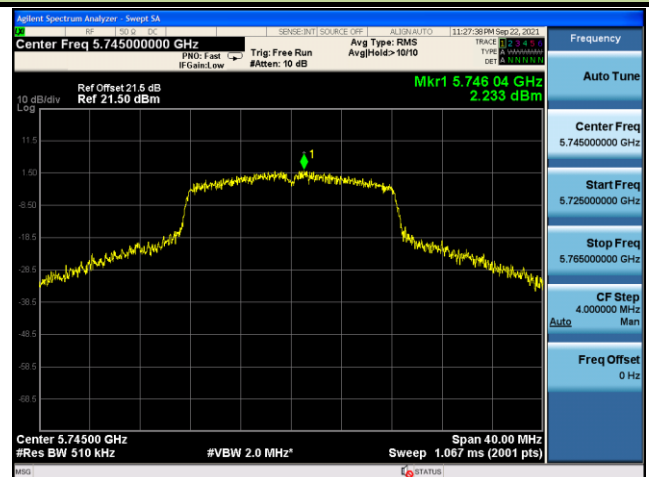
802.11 a CH44 (5220MHz)



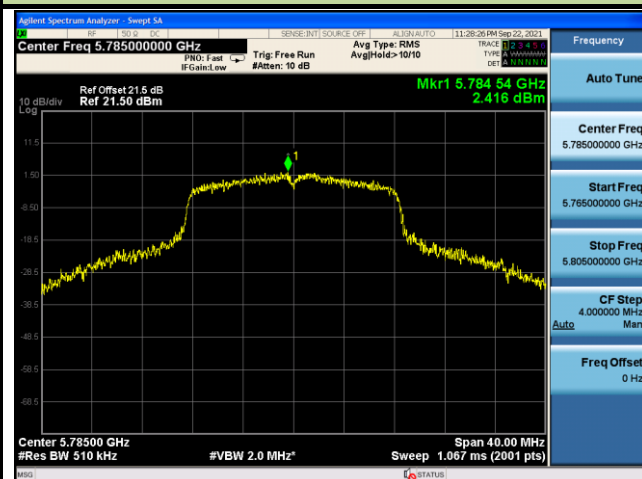
802.11 a CH48 (5240MHz)



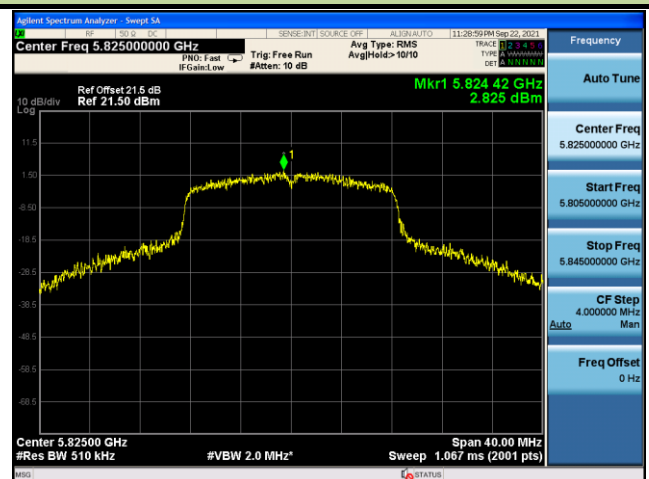
802.11 a CH149 (5745MHz)



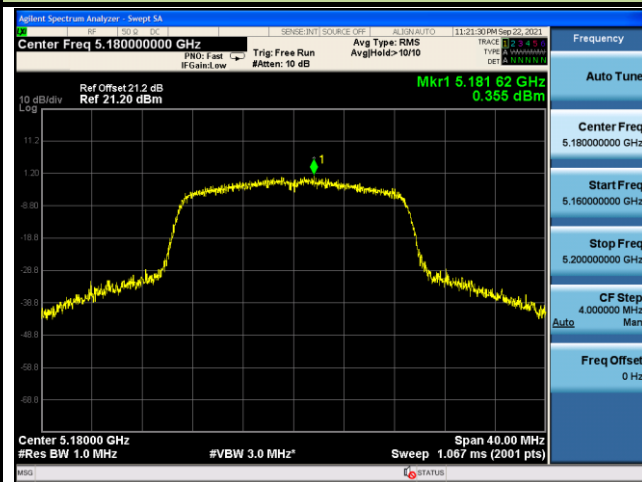
802.11 a CH157 (5785MHz)



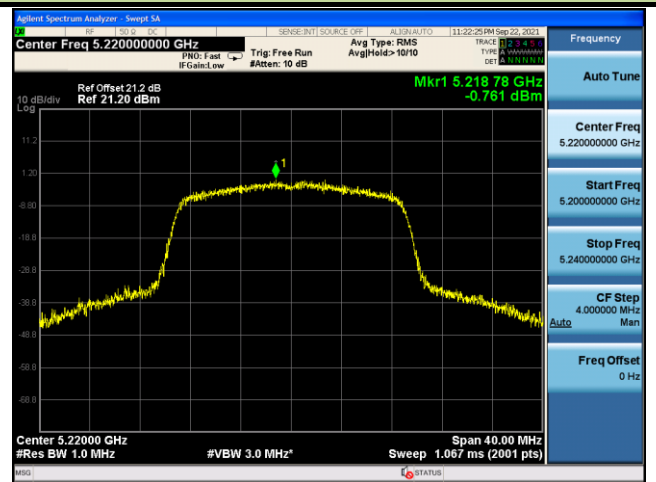
802.11 a CH165 (5825MHz)



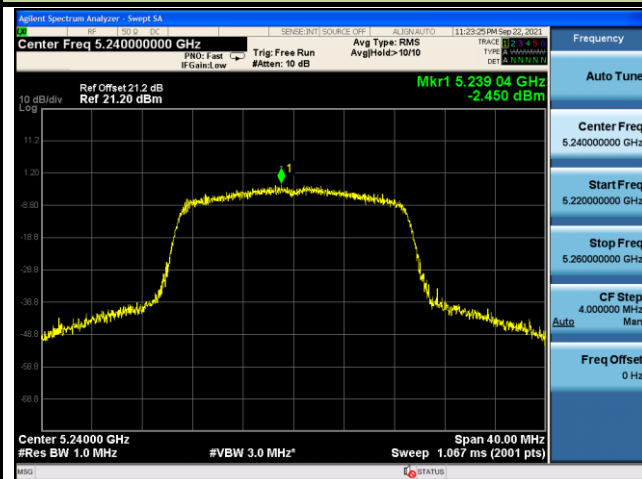
802.11 n-HT20 CH36 (5180MHz)



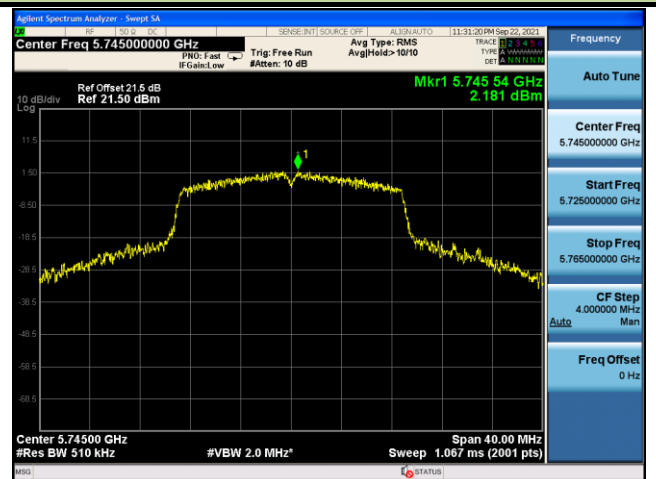
802.11 n-HT20 CH44 (5220MHz)



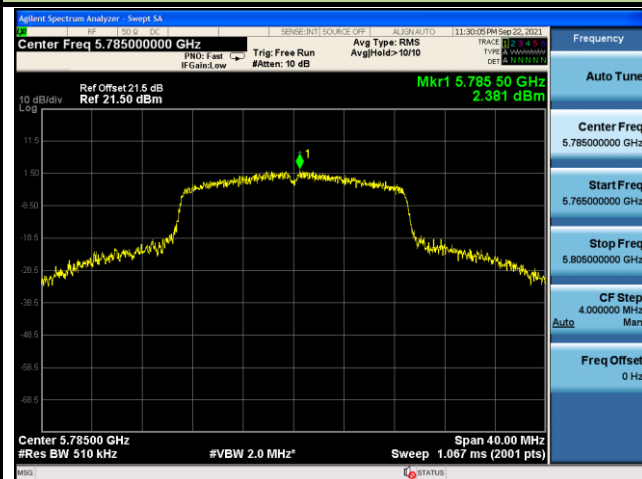
802.11 n-HT20 CH48 (5240MHz)



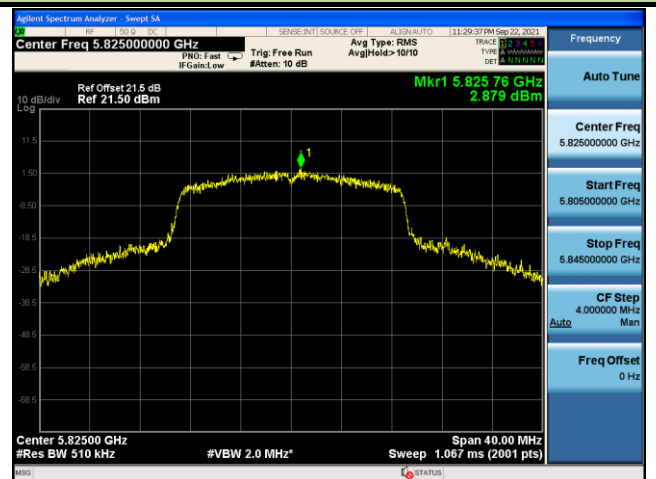
802.11 n-HT20 CH149 (5745MHz)



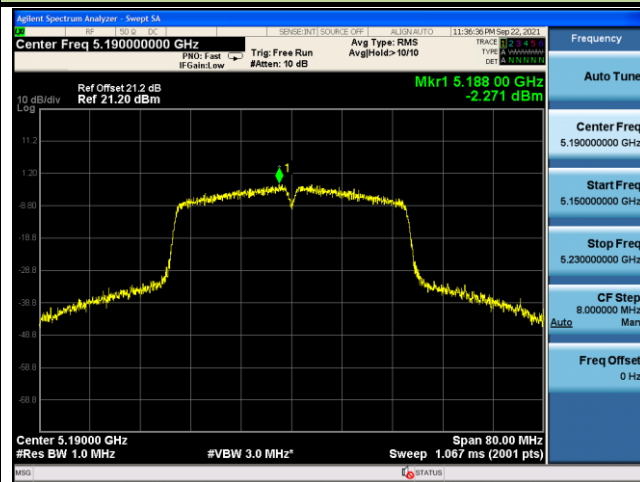
802.11 n-HT20 CH157 (5785MHz)



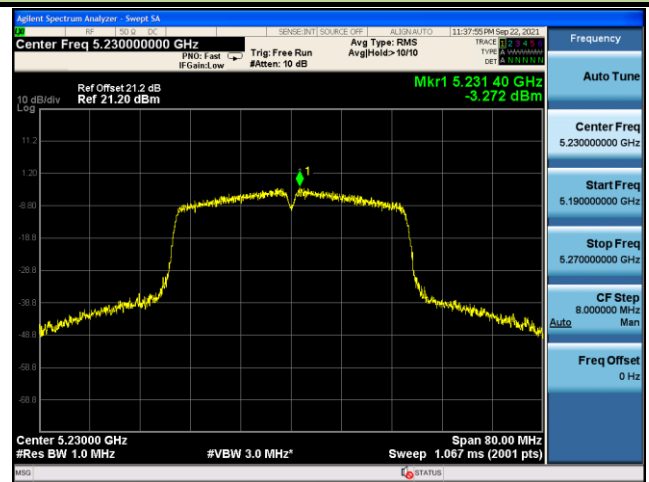
802.11 n-HT20 CH165 (5825MHz)



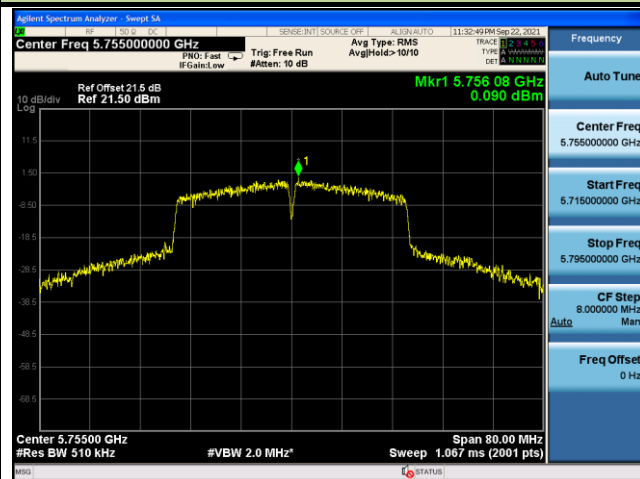
802.11 n-HT40 CH38 (5190MHz)



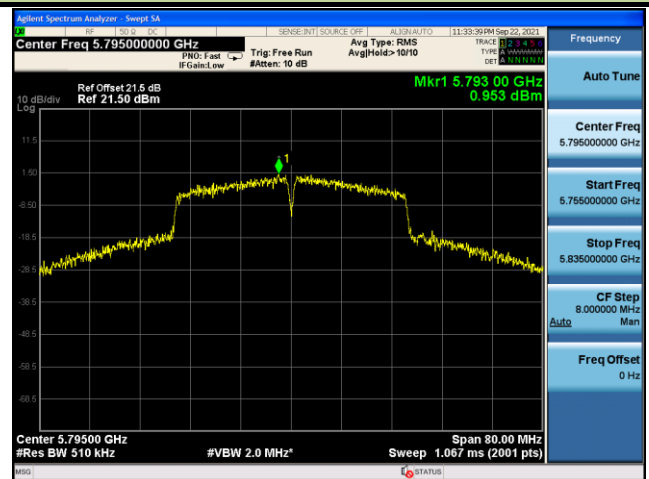
802.11 n-HT40 CH46 (5230MHz)



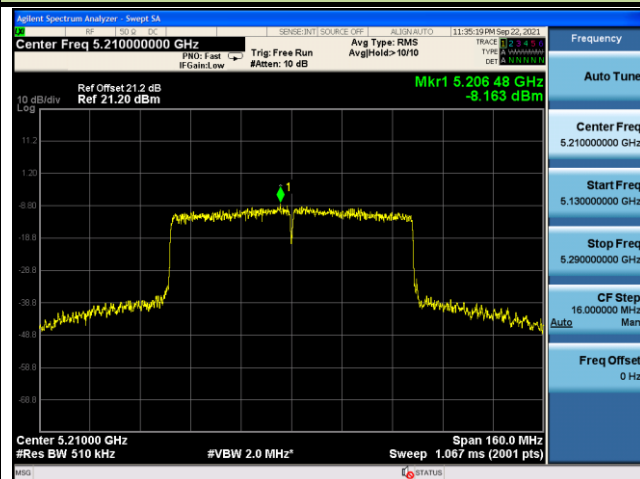
802.11 n-HT40 CH151 (5755MHz)



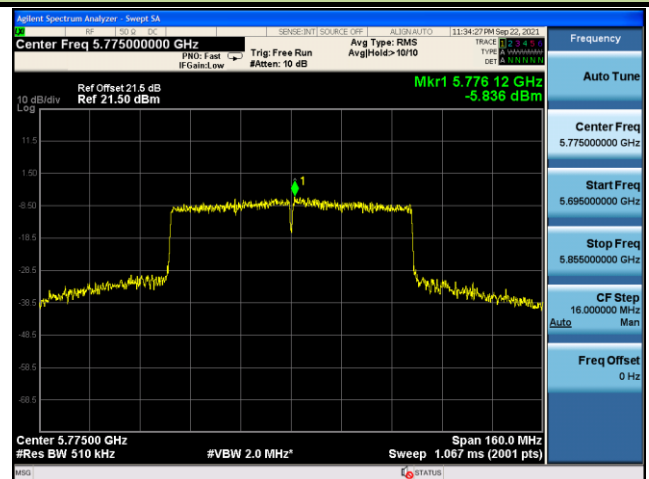
802.11 n-HT40 CH159 (5795MHz)



802.11 ac-VHT80 CH42 (5210MHz)



802.11 ac-VHT80 CH155 (5775MHz)



The End