

低功率射頻器材 檢驗報告

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製造廠商	Sony Interactive Entertainment Inc.
受檢設備名稱	PlayStation® 5
廠牌	SONY
型號	CFI-1018A
檢驗依據標準	國家通訊傳播委員會低功率射頻器材 技術規範 (LP0002)
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實驗室認可編號及範圍: 0371 (9 kHz to 325 GHz)

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測試報告記錄

申請廠商：台灣索尼互動娛樂股份有限公司
 製造廠商：Sony Interactive Entertainment Inc.
 廠牌：SONY
 品名：PlayStation®5
 型號：CFI-1018A
 檢驗依據標準：國家通訊傳播委員會低功率射頻器材技術規範(LP0002)
 規範修訂日期109年07月01日
 發射功率(電場強度)：11.24 dBm (發射功率)
 工作頻率及調變方式：5180 ~ 5240 MHz / DSSS + OFDM + OFDMA
 天線規格：廠牌/型號/天線增益：LUXSHARE-ICT/L34RF056/5.0dBi
 廠牌/型號/天線增益：LUXSHARE-ICT/L34RF057/3.5dBi

- 備註：1. 本試驗報告中是描述本實驗室以最佳的知識和能力進行試驗，我們的責任僅限於合理與謹慎的試驗，並非確保賣方之法律和/或合同的義務。
 2. 本符合性試驗係依據適當的標準及試驗樣品進行測試，本試驗報告的結果僅與測試項目有關，且僅針對受試驗之樣品負責，無法確保產品生產過程中的品質與性能要求。
 3. 非經本中心同意，檢驗報告不得摘錄複印使用。（全部複製除外）。

項次	測試項目	適用規範	量測設備	測試結果	結果判定
1	電源線傳導干擾之要求	低功率射頻器材技術規範 3.3節	請參閱4.4節	請參閱4.3節	合格
2	天線增益之要求	低功率射頻器材技術規範 5.7.8節	----	請參閱5.2節	----
3	發射頻寬之量測	低功率射頻器材技術規範 5.7.3.4節	請參閱6.3節	請參閱6.4節	----
4	最大傳導輸出功率之要求	低功率射頻器材技術規範 5.7.3.1節(2)	請參閱7.3節	請參閱7.4節	合格
5	功率密度之要求	低功率射頻器材技術規範 5.7.3.1節(2)	請參閱8.3節	請參閱8.4節	合格
6	混附波發射限制之要求	低功率射頻器材技術規範 5.7.4.1節	請參閱9.3節	請參閱9.4節	合格
7	場強輻射之要求	低功率射頻器材技術規範 5.7.4.4 - 5.7.4.6節	請參閱10.3節	請參閱10.5節	合格
	以下空白				

測量實驗室負責人：鄭景文
109.08.31

直接主管：黃敬琦
109.08.31

量測員：鄧世偉
109/08/31

1 一般資料

1.1 產品描述

- a) 產品型態 : PlayStation® 5
- b) 商 標 : SONY
- c) 產品型號 : CFI-1018A
- d) 供應電源 : AC 110V
- e) 產品類別 : ☐ (1)供戶外操作使用 ☐ (2)供室內操作使用
☐ (3)供固定式點對點操作使用 ☒ (4)供用戶端操作使用

備註：1. 本產品內含WLAN、Bluetooth及Bluetooth LE無線技術，WLAN部份包含DTS與UNII頻帶。本報告僅記錄 UNII Band 1 (5180 MHz 至 5240 MHz) 部份，Bluetooth 部份請見ETC報告編號: 20-07-MAS-052-01，Bluetooth LE 部份請見ETC報告編號: 20-07-MAS-052-02，DTS 部份請見ETC報告編號: 20-07-MAS-052-03，UNII Band 2 (5260 至 5320 MHz)部份請見ETC報告編號: 20-07-MAS-052-05，UNII Band 3 (5500至 5700 MHz) 部份請見ETC報告編號: 20-07-MAS-052-06，UNII Band 4 (5725至 5850 MHz) 部份請見ETC報告編號: 20-07-MAS-052-07。

2. 本器材不具備主控運作模式動態頻率選擇與Ad-hoc功能。

e) 109低功率射頻器材技術規範與107低功率射頻電機技術規範對照表

項次	測試項目	109低功率射頻器材技術規範	107低功率射頻電機技術規範
1	電源線傳導干擾之要求	低功率射頻器材技術規範 3.3節	低功率射頻電機技術規範 2.3節
2	天線增益之要求	低功率射頻器材技術規範 5.7.8節	低功率射頻電機技術規範 4.7.8節
3	發射頻寬之量測	低功率射頻器材技術規範 5.7.3.4節	低功率射頻電機技術規範 4.7.3.4節(1)(2)
4	最大傳導輸出功率之要求	低功率射頻器材技術規範 5.7.3.1節(2)	低功率射頻電機技術規範 4.7.3.1節(2)
5	功率密度之要求	低功率射頻器材技術規範 5.7.3.1節(2)	低功率射頻電機技術規範 4.7.3.1節(2)
6	混附波發射限制之要求	低功率射頻器材技術規範 5.7.4.1節	低功率射頻電機技術規範 4.7.4.1節
7	場強輻射之要求	低功率射頻器材技術規範 5.7.4.4 - 5.7.4.6節	低功率射頻電機技術規範 4.7.4節(4)(5)
	以下空白		

1.2 產品特性

此裝置為 PlayStation® 5，其發射頻率落於 5180 至 5240 MHz，採用 IEEE 802.11a/n/ac/ax 直接序列展頻調變技術。其應用為區域網路無線傳輸。5180 ~ 5240 MHz 主波發射功率為 11.24 dBm，即為 13.30 mW，其無線特性列表如下：

RF chain	2T2R	
Operating Frequency	IEEE802.11a/n 20/ac/ax20MHz: 5.18GHz ~5.24GHz, 4ch; IEEE 802.11n 40MHz/ac/ax 40MHz 5.19GHz~5.230GHz, 2ch IEEE 802.11ac/ax 80MHz 5.21GHz,1ch	
Modulation	IEEE 802.11a(OFDM/DSSS) 48/54 Mbps (64-QAM) 24/36 Mbps (16-QAM) 12/18 Mbps (QPSK) 6/19 Mbps (BPSK)	IEEE 802.11n(OFDM/DSSS) 64-QAM 16-QAM QPSK BPSK
	IEEE 802.11ac (20MHz,40MHz,80MHz)(OFDM/DSSS) 256-QAM, 64-QAM, 16-QAM, QPSK,BPSK	
	IEEE 802.11ax(20MHz,40MHz,80MHz)(OFDMA/OFDM /DSSS) 1024-QAM, 256-QAM, 64-QAM, 16-QAM, QPSK,BPSK	

1.3 測試方法之依據

本測試報告之所有項目皆依據國家通訊傳播委員會低功率射頻電機技術規範以及參考 IEEE ANSI、歐盟 ETSI EN 與美國 EIA、FCC 47 CFR PART 2、KDB 及 ARIB STD-T67 等有關檢驗之規定。

試驗室介紹：財團法人台灣商品檢測驗證中心電磁相容試驗室通過下列評鑑、認可、登錄與相互認可協議：

- ❶ ISO/IEC 17025 : TAF(0371), NVLAP(Lab code: 200133-0), CBTL(TÜ V SÜ D)
- ❷ Recognized : BSMI, NCC, FCC(TW0371, TW1112), ISED(Industry Canada Site # 2949A-2)
- ❸ Filing : VCCI (C-13518, R-13177, G-10098, T-11682)
- ❹ MRA : Australia, New Zealand, Singapore

2 適用規範

2.1 規範要求

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻電機技術規範之2.3節，電源傳導干擾之限制要求如下：

頻率範圍 MHz	傳導限制值(dB μ V)	
	準峰值(Quasi-peak)	平均值(Average)
0.15 – 0.5	66-56(註)	56-46(註)
0.5 – 5	56	46
5 – 30	60	50

註:隨頻率之對數遞減

(2) 天線增益之要求

天線的規格不受國家通訊傳播委員會低功率射頻電機技術規範(2.2)節規定之限制。若使用超過 6dBi 方向增益之發射天線，則以超過 6dBi 天線方向增益的 dBi 總量，等量減少最大傳導輸出功率以及最大功率頻譜密度。

(3) 最大傳導輸出功率與功率密度之要求

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.3.1節(1)(2)(3)(4)之規定：

(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。

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.3.4節(1)(2)之規定：

- (1) 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，以符合本段落所提之發射定義。
- (2) 最大功率頻譜密度檢驗規定：
- (A) 應將測試儀器直接連接待測物，以傳導方式執行。
- (B) 5.15-5.25 GHz、5.25-5.35 GHz 及 5.470-5.725 GHz 頻段，測試儀器之頻寬應設定為 1 MHz 頻寬或待測物之 26 dB 發射頻寬，兩者取較小者。
- (C) 5.725-5.850 GHz 頻段，測試儀器之頻寬應設定為 500 kHz 或待測物之 26 dB 發射頻寬，兩者取較小者。
- (D). 解析頻寬小於 (B)或 (C)時，應以補償方式計算總功率頻譜密度

(4) 發射限制之要求

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.4.1之規定，在 5.15-5.35 GHz 及 5.470-5.725 GHz 頻帶操作的發射器：帶外發射之有效等向輻射功率 (EIRP) 不應超過 ≤ -27 dBm/MHz。

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.4.3之規定，測量不必要發射時，應使用之最低解析頻寬為 1 MHz。必要時，於頻帶邊緣附近可使用小於 1 MHz 之解析頻寬，並以補償方式計算其總值。

(5) 輻射之規定

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.4.5節之規定，在 1GHz 以下的非必要之發射，應符合第 2.8 節之規定，任何使用交流市電為供應電之設備亦須符合第 2.3 節之電源線傳導限制值。

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.4.6節之規定，不必要發射頻率屬2.7 規定頻段者，應符合 2.8節之規定。

落於2.7節禁用頻段之輻射干擾需符合2.8節之一般限制要求：

頻率 MHz	測試距離 m	限制值 μ V/m
0.009 - 0.490(含)	300	2400/頻率(kHz)
0.490(不含) - 1.705(含)	30	24000/頻率(kHz)
1.705(不含) - 30(不含)	30	30
30(含) - 88(含)	3	100
88(不含) - 216(含)	3	150
216(不含) - 960(含)	3	200
960(不含)以上	3	500

2.2 限制使用之頻帶

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

3 受測裝置之系統說明

3.1 受測裝置

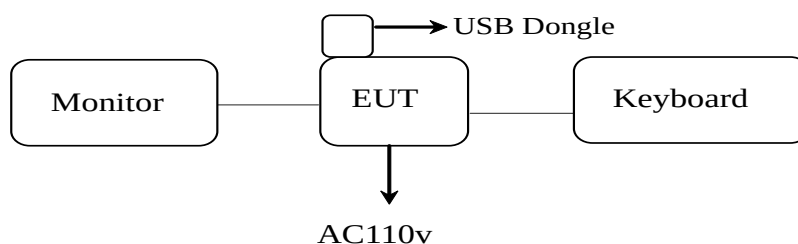
裝置名稱	製造者/代理者	型 號	纜線說明
* PlayStation® 5	Sony Interactive Entertainment Inc.	CFI-1018A	非隔離電源線 1.5m* 1 (廠牌:I-sheng /型號:SP-18B)
Keyboard	DELL	KB216P	非隔離信號線 1.8m * 1
Monitor	DELL	SE2216H	非隔離電源線 1.8m * 1
USB Dongle	SONY	USB3.1Gen1	----
Notebook	HP	Probook650G1	非隔離信號線 10m * 1 (LAN)
USB HDD	SONY	HD-EG5	隔離信號線 1.0m * 1 (USB)
USB HDD	I/O DATA	HDPX-JTCIK	隔離信號線 30cm * 1 (USB Type-C)
Wireless Router	ASUS	RT-AX88U	非隔離電源線 2.3m* 1/Adapter
Media Remote	SONY	CFI-ZMR1	----
*Wireless Controller	SONY	CFI-ZCT1G	----
Wireless Controller	SONY	CFI-ZCT1G	----
*USB Cable 1 (註 2)	LUXSHARE-ICT	L34U20	隔離信號線 1.5m * 1
*USB Cable 2 (註 2)	JPC	PK3U2EG	隔離信號線 1.5m * 1
*HDMI Cable	LUXSHARE-ICT	L34HD	隔離信號線 1.5m * 1

註: 1.標記“*”表欲申請之受測物及配件。

2.配件USB Cable 1和USB Cable 2，擇一搭配販售。

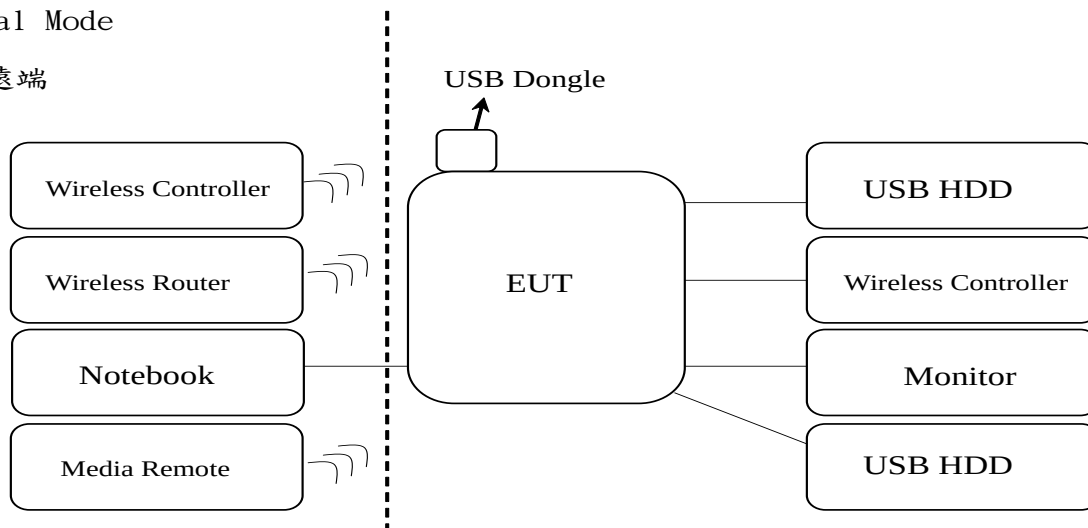
3.測試配置：

工程模式



Normal Mode

遠端



3. 測試模式：

3.1 IEEE 802.11a, 802.11n HT20, IEEE 802.11ac (20MHz) , IEEE 802.11ax (20MHz) mode:

測試頻道如下：

Channel	Frequency (MHz)
Low = 36	5180
Middle = 40	5200
High = 48	5240

IEEE 802.11a mode: 6 Mbps, data rate is the worse case for full testing.

IEEE 802.11n/ac/ax (20 MHz) mode: MCS0 data rate is the worse case for full testing.

3.2 IEEE 802.11n HT40, IEEE 802.11ac (40MHz) , IEEE 802.11ax (40MHz) mode:

測試頻道如下：

Channel	Frequency (MHz)
38	5190
46	5230

IEEE 802.11n/ac/ax (40 MHz) mode: MCS0 data rate is the worse case for full testing.

3.3 IEEE 802.11ac (80MHz), IEEE 802.11ax (80MHz) mode:

測試頻道如下：

Channel	Frequency (MHz)
42	5210

IEEE 802.11ac/ax (80MHz) mode: MCS0 data rate is the worse case for full testing.

4. 軟體設定：樣品內含測試程式

Modulation	Power Setting
IEEE 802.11a	8
IEEE 802.11n HT20	8
IEEE 802.11n HT40	8
IEEE 802.11ac (20MHz)	8
IEEE 802.11ac (40MHz)	8
IEEE 802.11ac (80MHz)	8
IEEE 802.11ax (20MHz)	8
IEEE 802.11ax (40MHz)	8
IEEE 802.11ax (80MHz)	8

3.2 測試模式說明

3.2.1 調變方式及模式

Test Mode	Modulation	Note
A	IEEE 802.11a	-
B	IEEE 802.11n HT20	-
C	IEEE 802.11n HT40	-
D	IEEE 802.11ac (20MHz)	-
E	IEEE 802.11ac (40MHz)	-
F	IEEE 802.11ac (80MHz)	-
G	IEEE 802.11ax (20MHz)	-
H	IEEE 802.11ax (40MHz)	-
I	IEEE 802.11ax (80MHz)	-

Normal Mode:

Test Mode	Note
J	BD Playing+BT+LAN+USB Cable 1
K	Game+BT+WiFi+USB Cable 2

Mode	IEEE 802.11a/n20/ac/ax (20MHz)	IEEE 802.11n40/ac/ax (40MHz)	IEEE 802.11ac/ax (80MHz)
Test Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Channel Low (L)	5180	5190	5210
Channel Mid (M)	5200	-	-
Channel High (H)	5240	5230	-

3.2.2 測試項目及模式

Item	測試項目	測試模式	測試頻率(MHz)
1	電源線傳導干擾之量測	G、J、K (註1)	M (註2)
2	發射頻寬之量測	A、G、H、I (註3)	L，M，H
3	最大傳導輸出功率之量測	A、B、C、D、E、F、G、H、I、J、K(註4)	L，M，H
4	功率密度之量測	A、G、H、I (註3、4)	L，M，H
5	混附波發射限制之量測	A、G、H、I (註3)	L，M，H
6	場強輻射之量測(主諧波)	A、G、H、I (註3)	L，M，H
6.1	場強輻射之量測(1GHz以下)	G、J、K (註1)	M (註2)
6.2	場強輻射之量測(1GHz以上)	A、G、H、I (註3)	L，M，H

註: 1. 以上調變方式預掃時無差異，擇一作最終測試並記錄之。

2. 高，中，低頻道預掃時無差異，擇中間頻道作最終測試並記錄之。

3. 802.11n/ac/ax 以 802.11ax 為 Worse case，作最終測試並記錄之。

4. 本產品內含雙天線，802.11n/ac/ax 模式下有 MIMO 之功能，故對兩隻天線分別進行測試再加總並記錄之。802.11a 無 MIMO 之功能，以最大傳導輸出功率較大者做為 Worse Case，進行其他項目之量測。

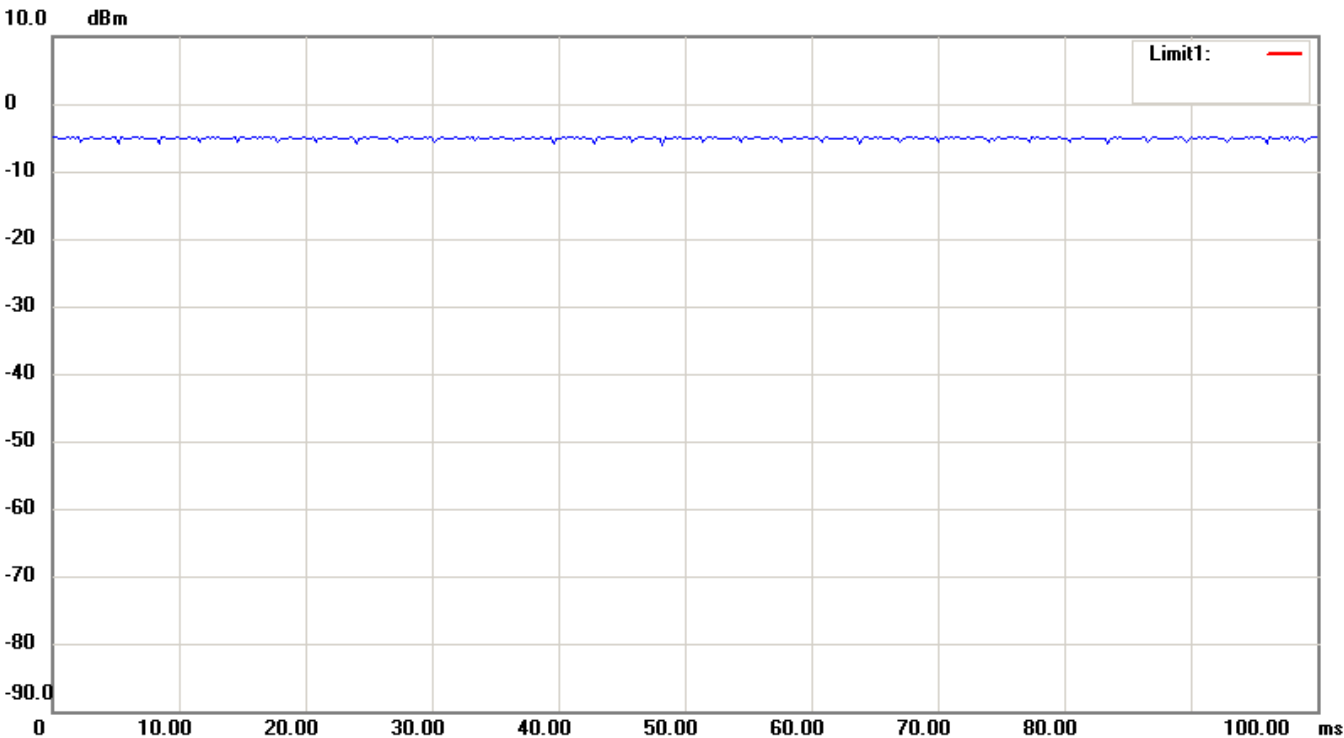
5. 量測場強輻射時，應對其兩個正交軸 (X、Y) 的方位評估測試，並分別測試以找出最大輻射電場強度軸向，以最差軸模式測試，並記錄其值與軸向放置。

3.2.3 測試場地

項次	測 試 場 地
1	■ RE02 — EMC B1 — N2 第一大樓地下二樓 3m 半電波暗室(N2)
2	■ CE04 — 10M 2F 第三大樓二樓傳導測試室(10m 大樓)
3	■ RF — Cond01 第一大樓地下一樓直量測試區
4	□ RF — Cond02 第一大樓地下二樓直量測試區

3.2.4 Duty cycle
IEEE 802.11a

File:	20-07-MAS-052_5-2a_Ant1	#21	Date:	2020/7/29	Temperature:	24 °C
Site:	RF-Cond01				Humidity:	52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11a Duty-1		

File: 20-07-MAS-052_5-2a_Ant1

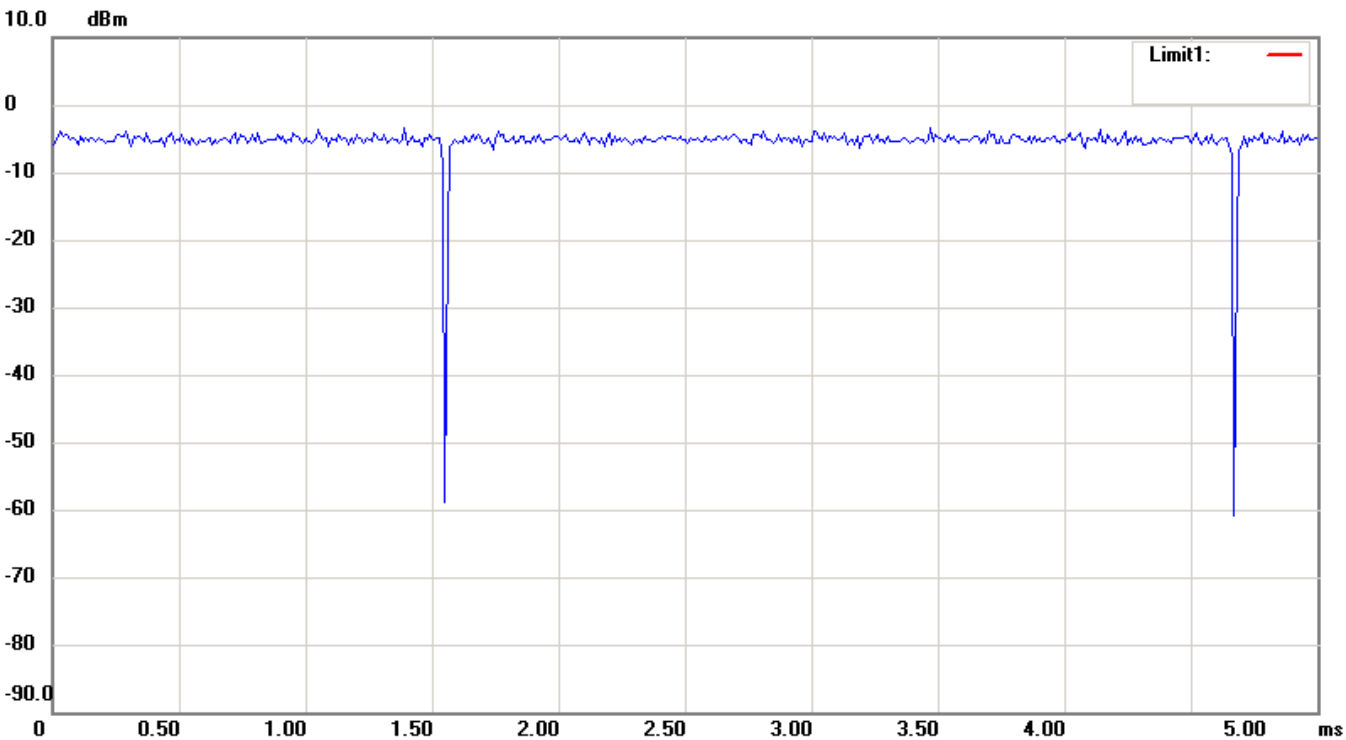
#22

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 5ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11a Duty-2 (Duty Cycle > 98%)		

IEEE 802.11ax (20MHz)

File: 20-07-MAS-052_5-2ax20_Ant1

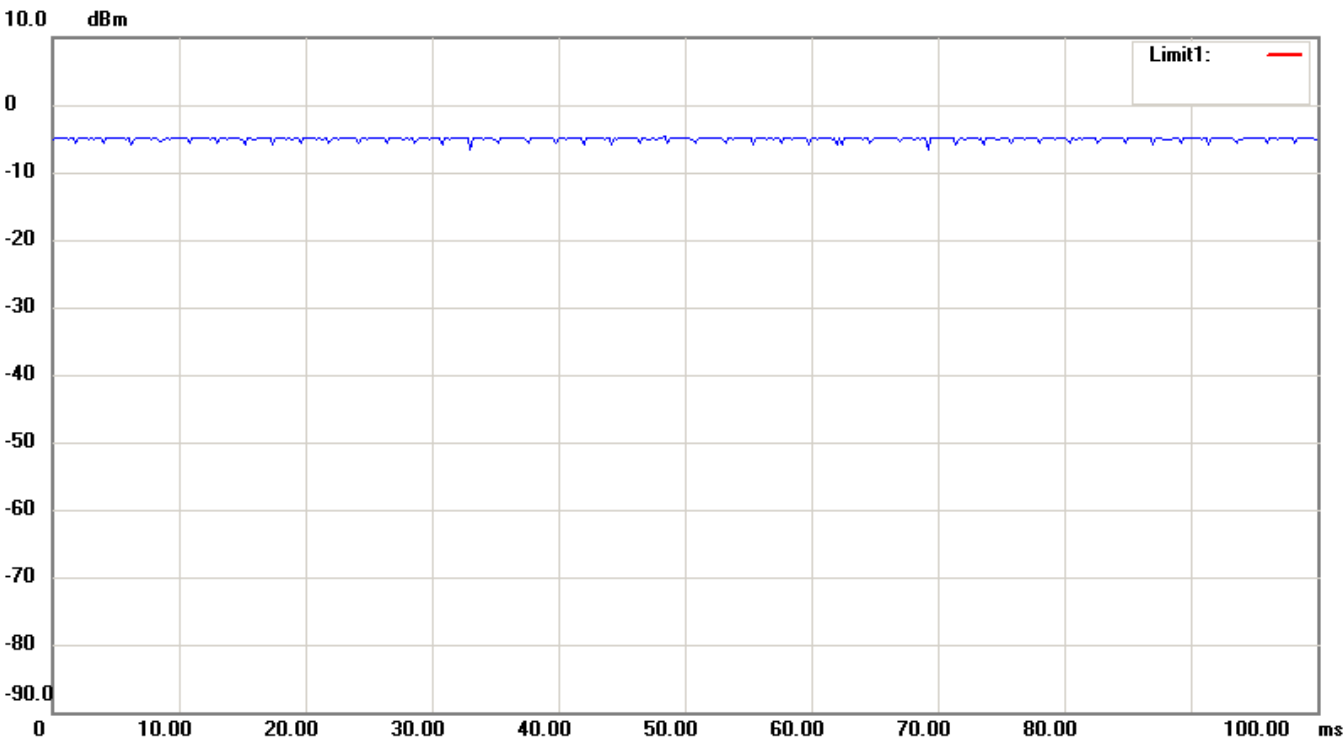
Site: RF-Cond01

#21

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20 Duty-1		

File: 20-07-MAS-052_5-2ax20_Ant1

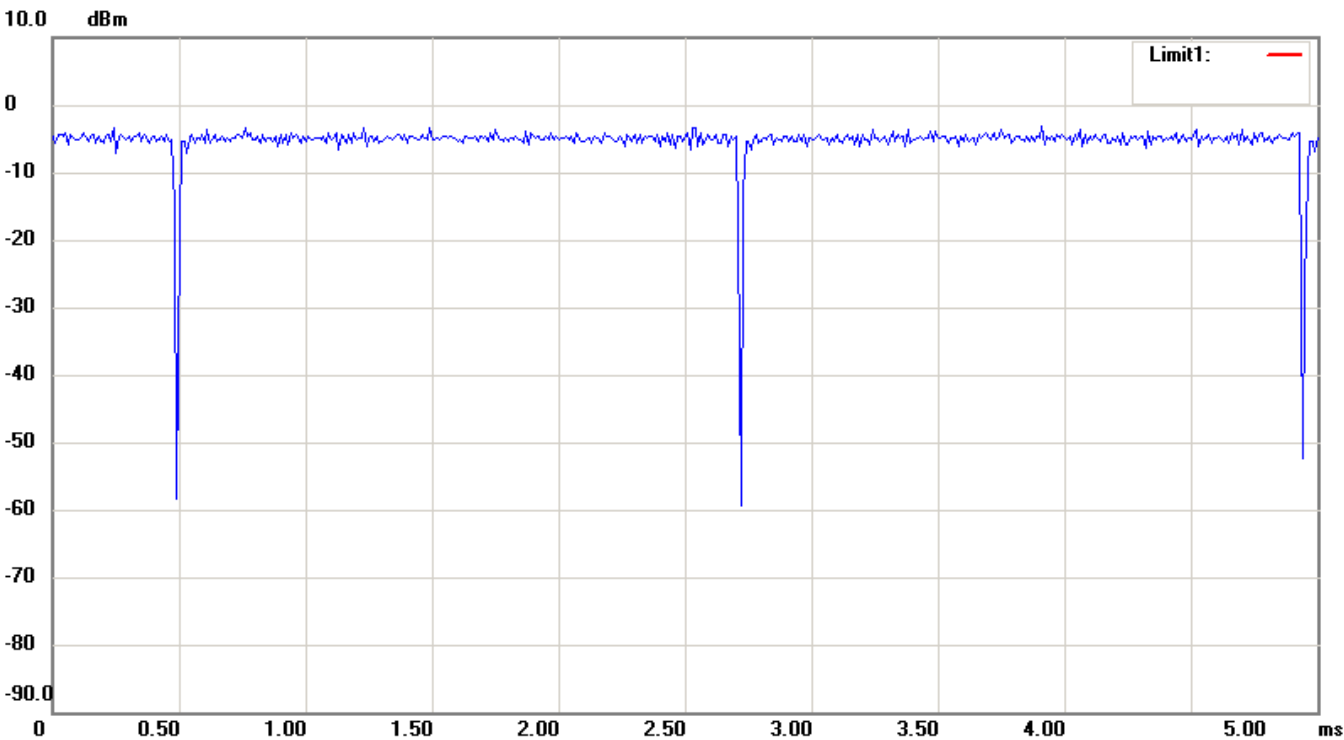
#22

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 5ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20 Duty-2 (Duty Cycle > 98%)		

IEEE 802.11ax (40MHz)

File: 20-07-MAS-052_5-2ax40_Ant1

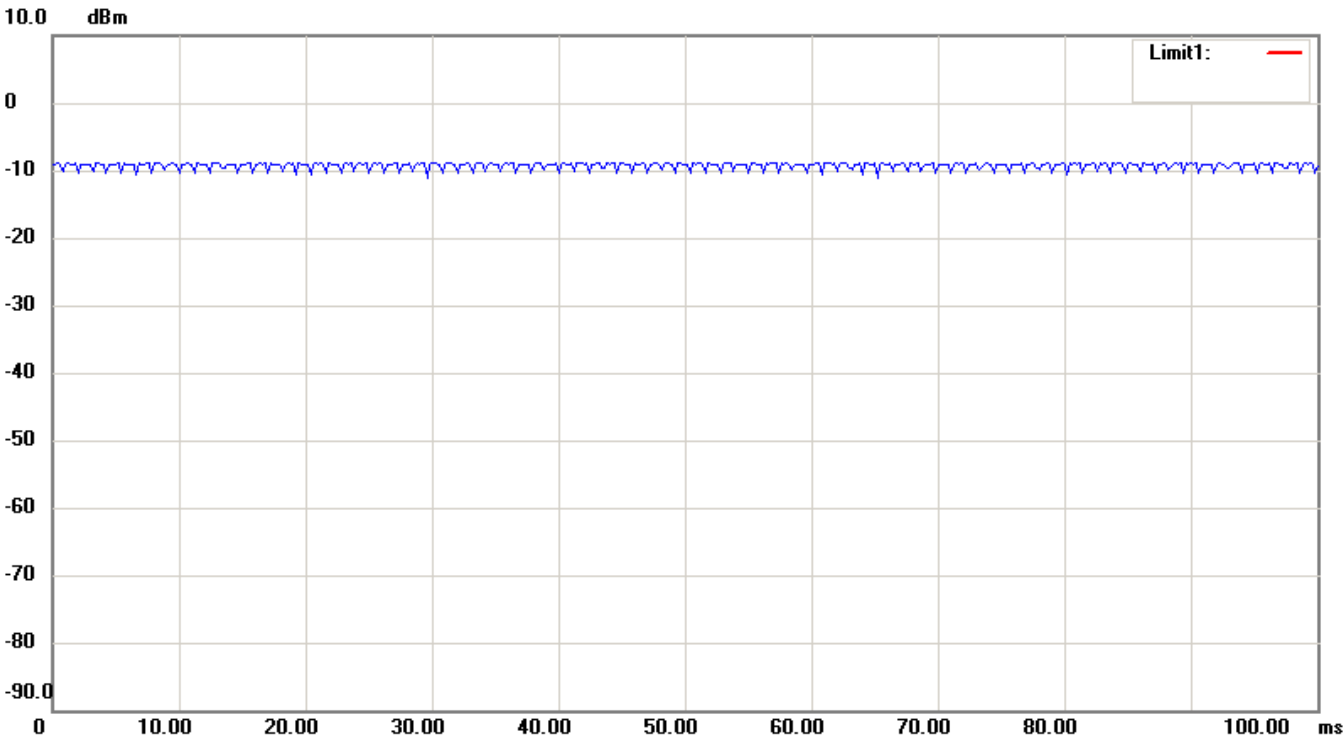
Site: RF-Cond01

#15

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax40 Duty-1		

File: 20-07-MAS-052_5-2ax40_Ant1

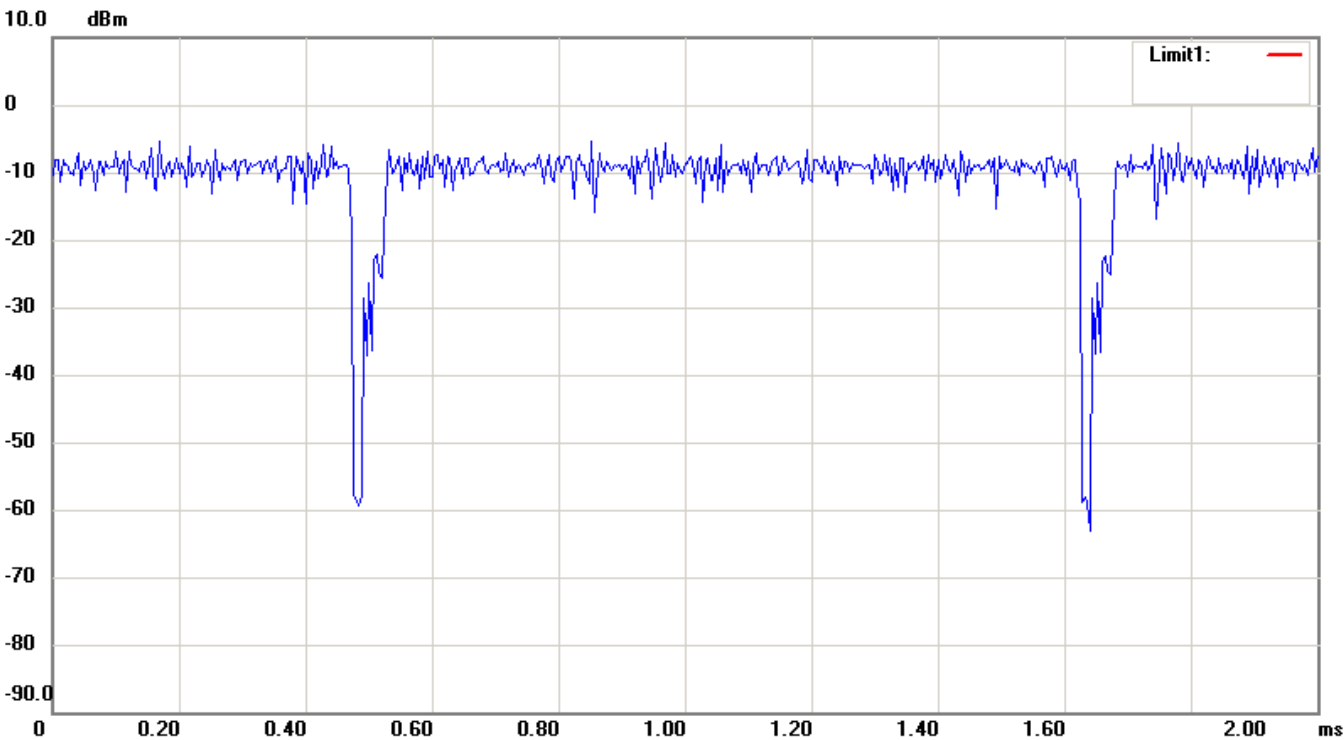
#16

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 2ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax40 Duty-2 (Duty Cycle = 94.8%)		

IEEE 802.11ax (80MHz)

File: 20-07-MAS-052_5-2ax80_Ant1

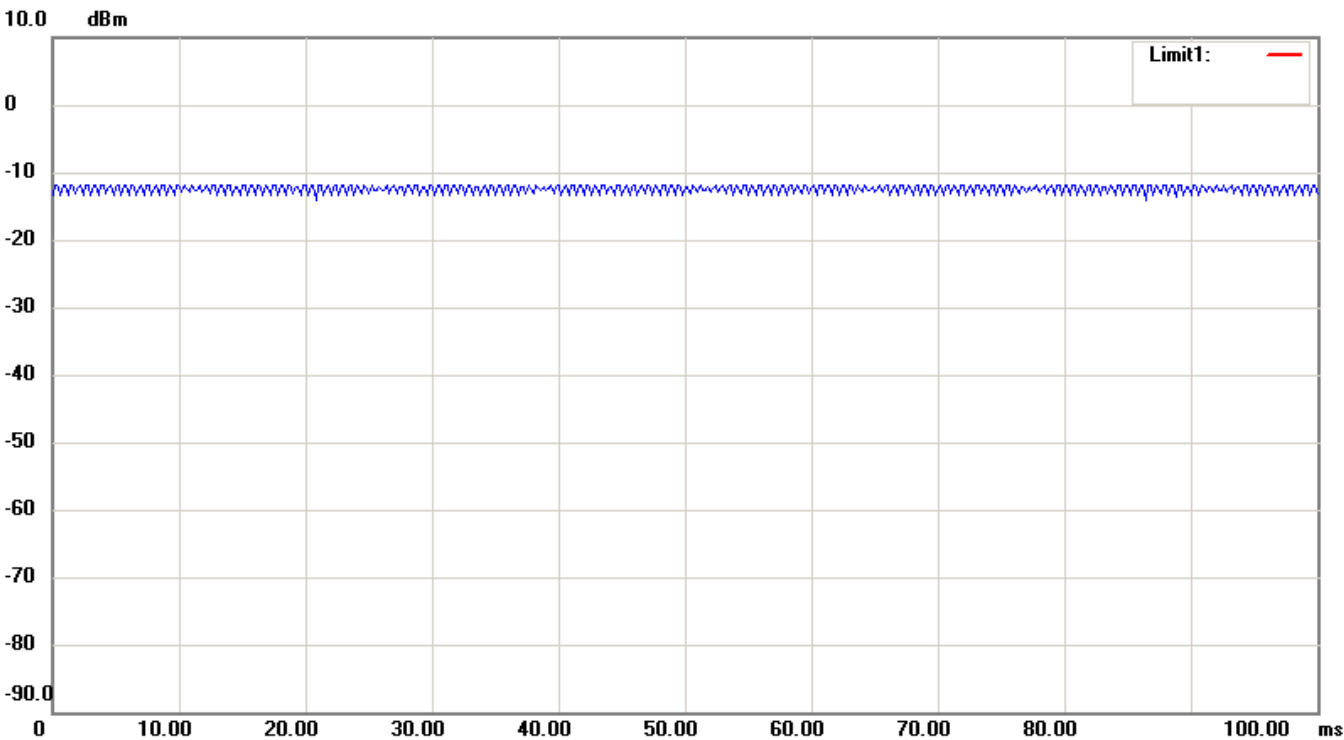
Site: RF-Cond01

#19

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax80 Duty-1		

File: 20-07-MAS-052_5-2ax80_Ant1

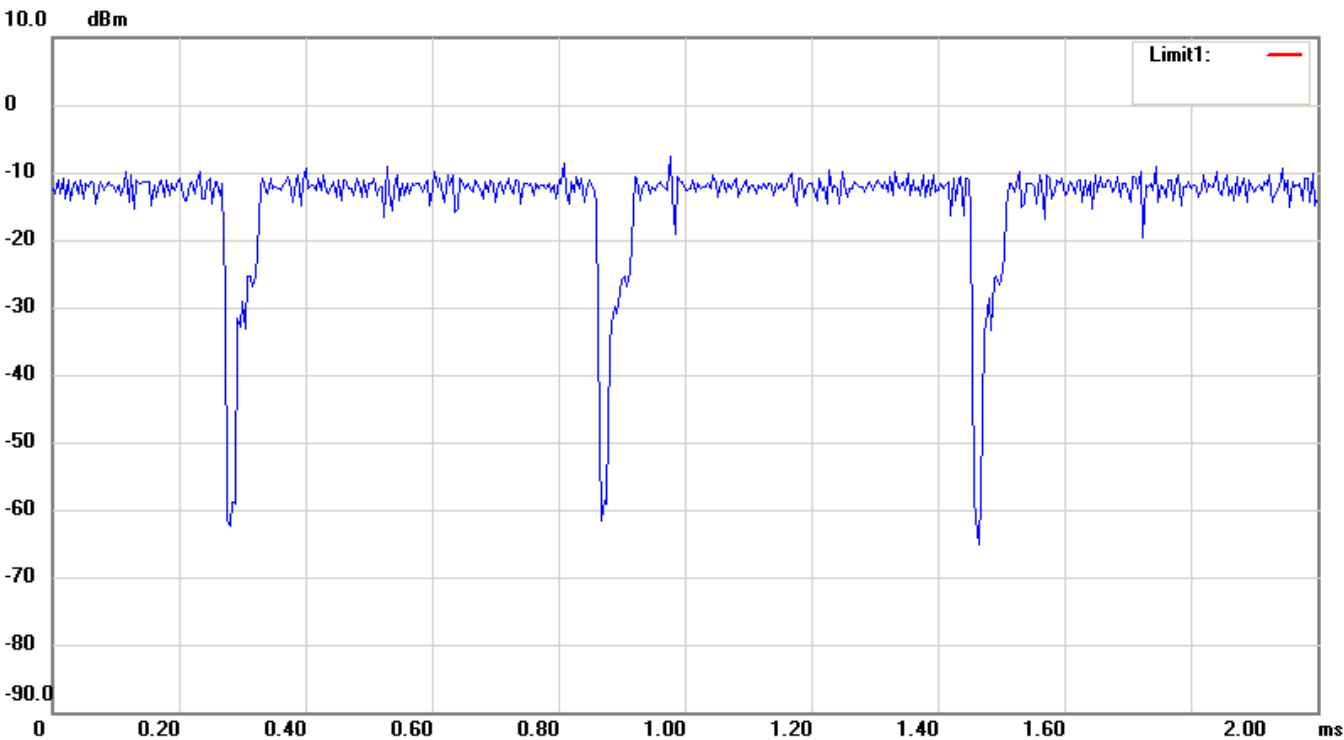
#20

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 2ms	Att.: 15dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax80 Duty-2 (Duty Cycle = 89.9%)		

4 電源線傳導干擾之量測

4.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範2.3節之要求。

4.2 測試方法

將待測物置於0.8米高的非金屬桌面，使其在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由 0.15MHz 至 30MHz 之間之電源線傳導干擾強度。

4.3 量測電源線傳導干擾之儀器

儀器名稱	廠 牌	型 號
EMI Test Receiver	R&S	ESCI
V-LISN	R&S	ENV216

測試軟體: EZ-EMC (Ver. ETC-03A1)

4.4 傳導干擾之量測結果

測試工程師: 羅世勇

4.4.1 測試狀態: IEEE 802.11ax20

File: 20-07-MAS-
052

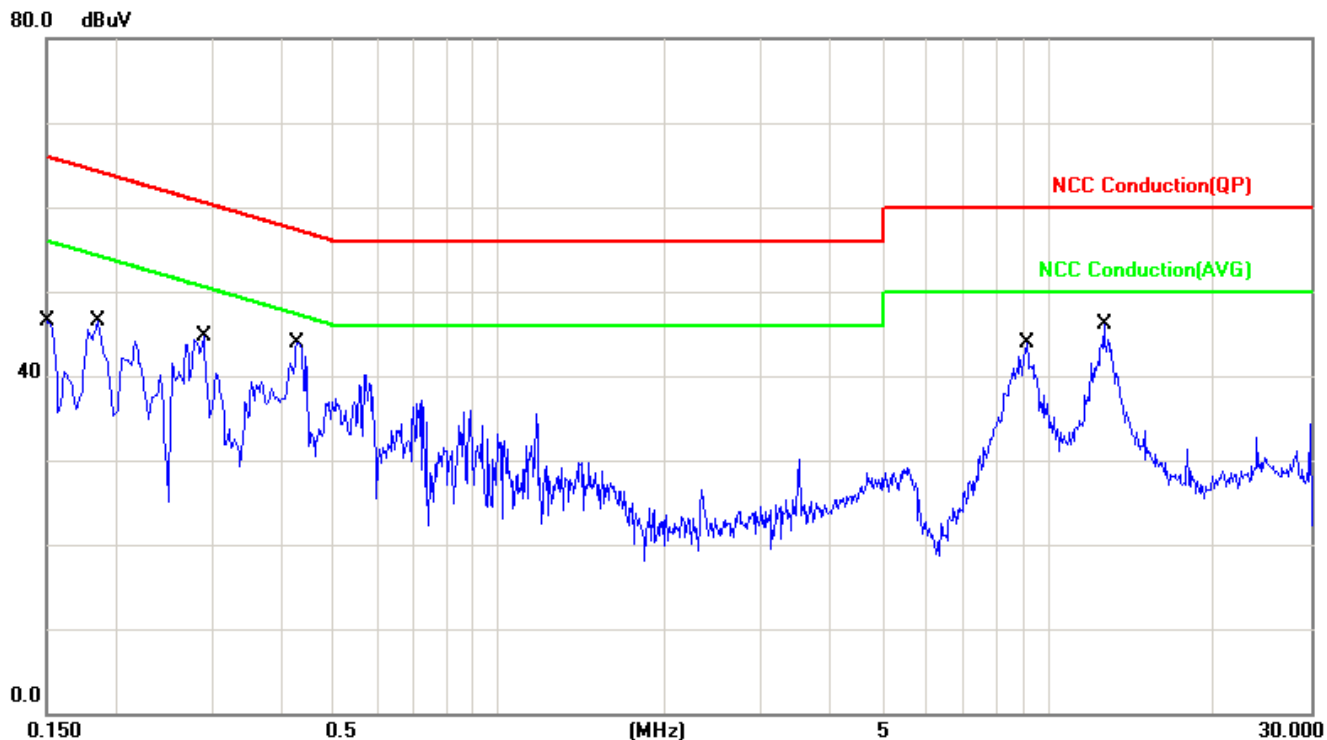
#4

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:30:45

Humidity: 50 %



Site: CE04-10M 2F

Condition: NCC Conduction(QP)

Phase: L1

EUT: PlayStation5

Power: AC 110V/60Hz

Model: CFI-1018A

Test Mode: Band1

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	36.86	QP	9.65	46.51	66.00	-19.49
2	0.186	36.96	QP	9.64	46.60	64.21	-17.61
3	0.290	35.00	QP	9.64	44.64	60.52	-15.88
*4	0.430	34.29	QP	9.65	43.94	57.25	-13.31
5	9.118	34.02	QP	9.81	43.83	60.00	-16.17
6	12.618	36.22	QP	9.85	46.07	60.00	-13.93

註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。

2. “#”表示干擾值太小，直接量取其峰值。

3. 標記“***”表示為本地震盪頻率及其諧波。

4. 量測不準確度: $\pm 2.5\text{dB}(150\text{kHz} \leq f \leq 30\text{MHz})$ 。

File: 20-07-MAS-052

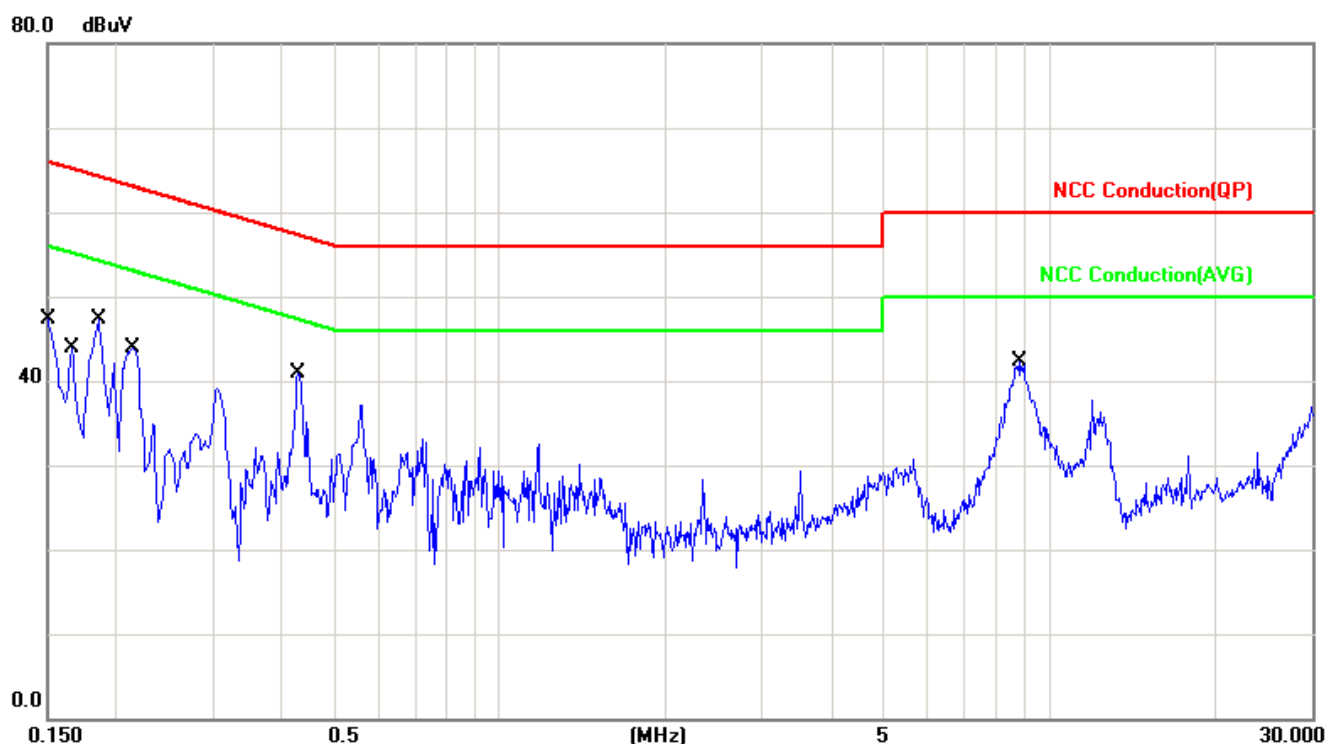
#3

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:29:04

Humidity: 50 %



Site: CE04-10M 2F

Condition: NCC Conduction(QP)

Phase: N

EUT: PlayStation5

Power: AC 110V/60Hz

Model: CFI-1018A

Test Mode: Band1

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	37.69	QP	9.59	47.28	66.00	-18.72
2	0.166	34.39	QP	9.59	43.98	65.16	-21.18
3	0.186	37.72	QP	9.58	47.30	64.21	-16.91
4	0.214	34.22	QP	9.58	43.80	63.05	-19.25
*5	0.430	31.29	QP	9.59	40.88	57.25	-16.37
6	8.810	32.59	QP	9.77	42.36	60.00	-17.64

註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。

2. “#”表示干擾值太小，直接量取其峰值。

3. 標記“***”表示為本地震盪頻率及其諧波。

4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

4.4.2 測試狀態: BD Playing+BT+LAN+USB Cable 1

File: 20-07-MAS-052

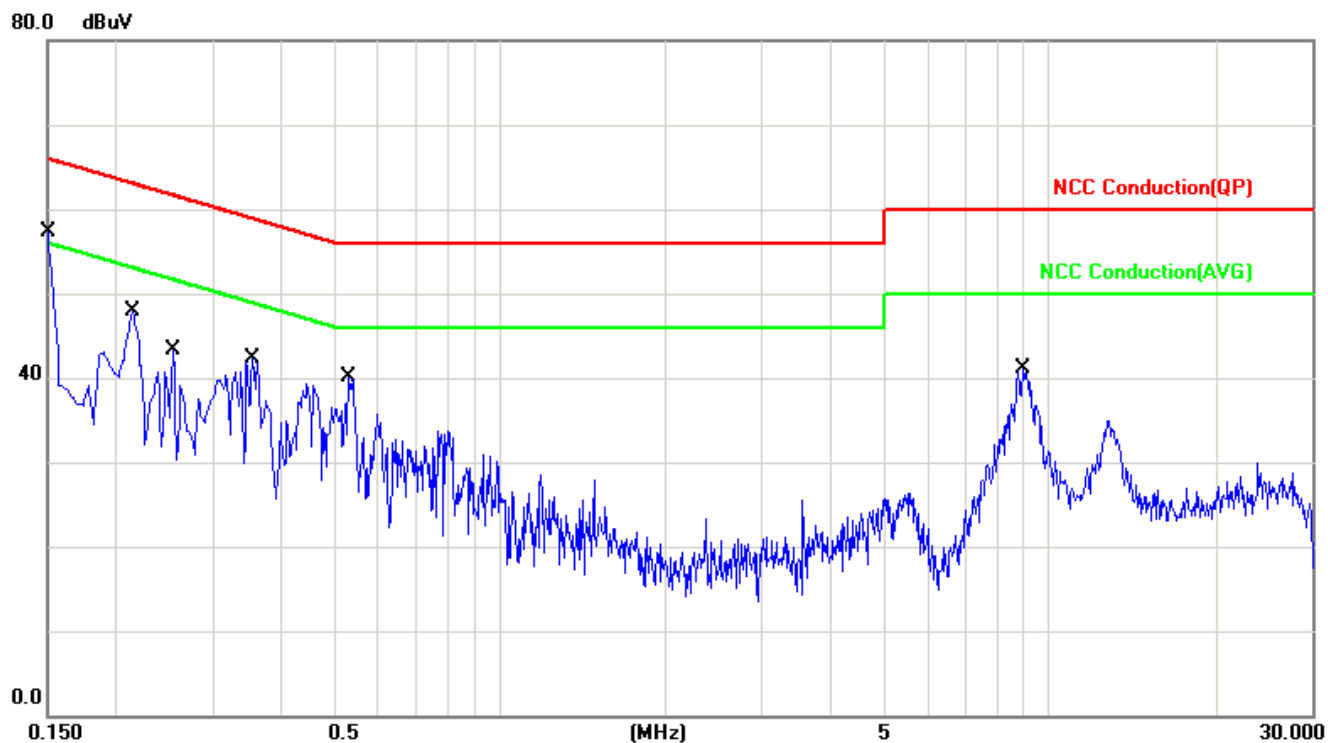
#26

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:21:35

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal1
 Note: BD Playing+BT+LAN+USB Cable 1

Phase: L1
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	45.85	QP	9.65	55.50	66.00	-10.50
2	0.150	34.99	AVG	9.65	44.64	56.00	-11.36
3	0.214	38.22	QP	9.64	47.86	63.05	-15.19
4	0.254	33.72	QP	9.64	43.36	61.63	-18.27
5	0.354	32.73	QP	9.65	42.38	58.87	-16.49
6	0.530	30.51	QP	9.65	40.16	56.00	-15.84
7	8.962	31.19	QP	9.81	41.00	60.00	-19.00

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“***”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}(150\text{kHz} \leq f \leq 30\text{MHz})$ 。

File: 20-07-MAS-052

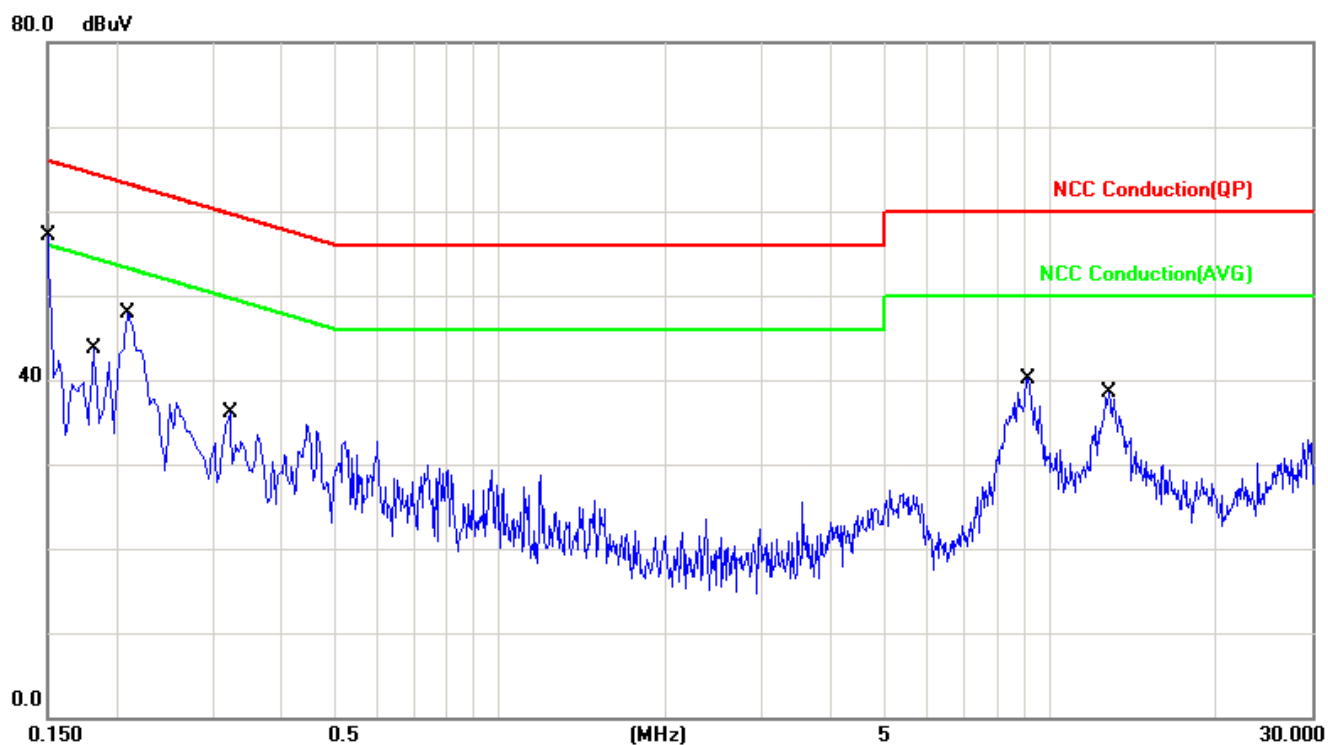
#25

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:20:11

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal1
 Note: BD Playing+BT+LAN+USB Cable 1

Phase: N
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	47.98	QP	9.59	57.57	66.00	-8.43
2	0.150	35.57	AVG	9.59	45.16	56.00	-10.84
3	0.182	34.21	QP	9.58	43.79	64.39	-20.60
4	0.210	38.42	QP	9.58	48.00	63.21	-15.21
5	0.322	26.57	QP	9.58	36.15	59.66	-23.51
6	9.122	30.29	QP	9.78	40.07	60.00	-19.93
7	12.810	28.69	QP	9.85	38.54	60.00	-21.46

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“***”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

4.4.3 測試狀態: Game+BT+WiFi+USB Cable 2

File: 20-07-MAS-052

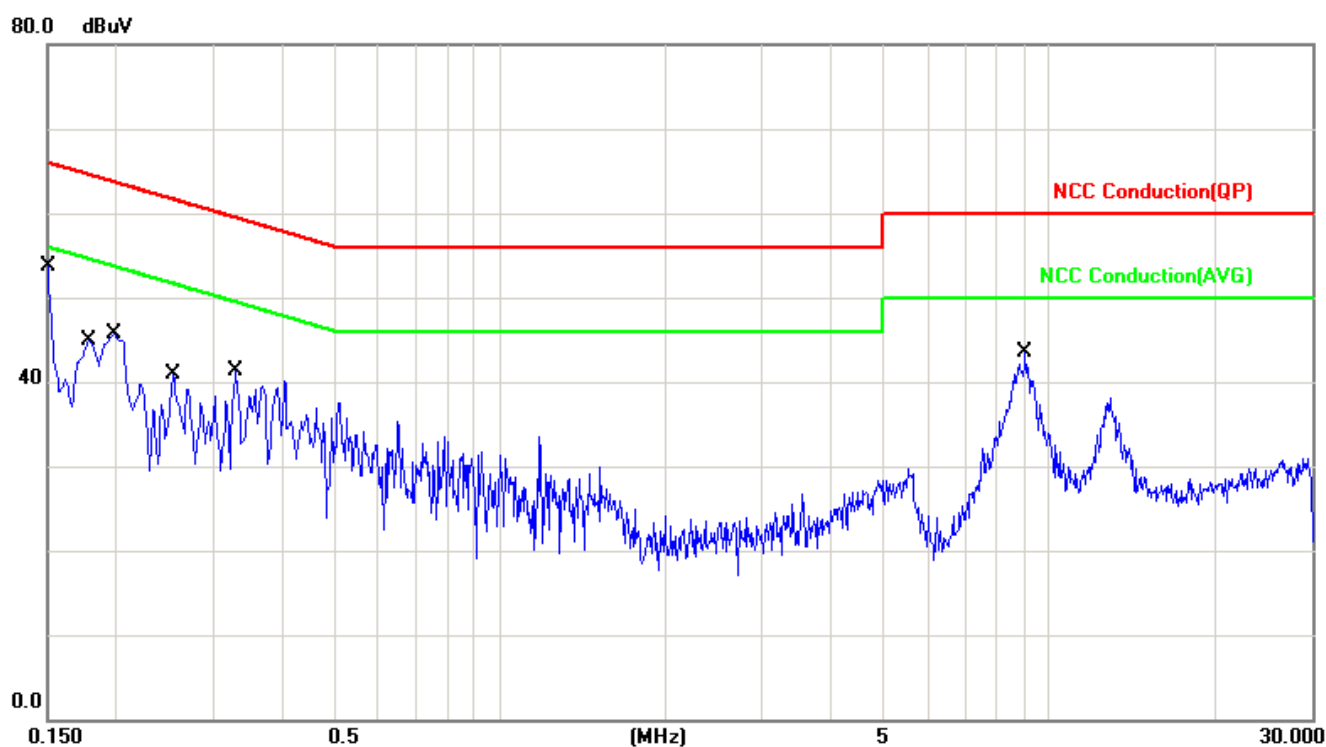
#27

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:27:15

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal2
 Note: Game+BT+WiFi+USB Cable 2

Phase: L1
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	43.99	QP	9.65	53.64	66.00	-12.36
2	0.178	35.30	QP	9.64	44.94	64.58	-19.64
3	0.198	36.14	QP	9.64	45.78	63.69	-17.91
4	0.254	31.25	QP	9.64	40.89	61.63	-20.74
5	0.330	31.66	QP	9.64	41.30	59.45	-18.15
6	9.026	33.59	QP	9.81	43.40	60.00	-16.60

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“***”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

File: 20-07-MAS-052

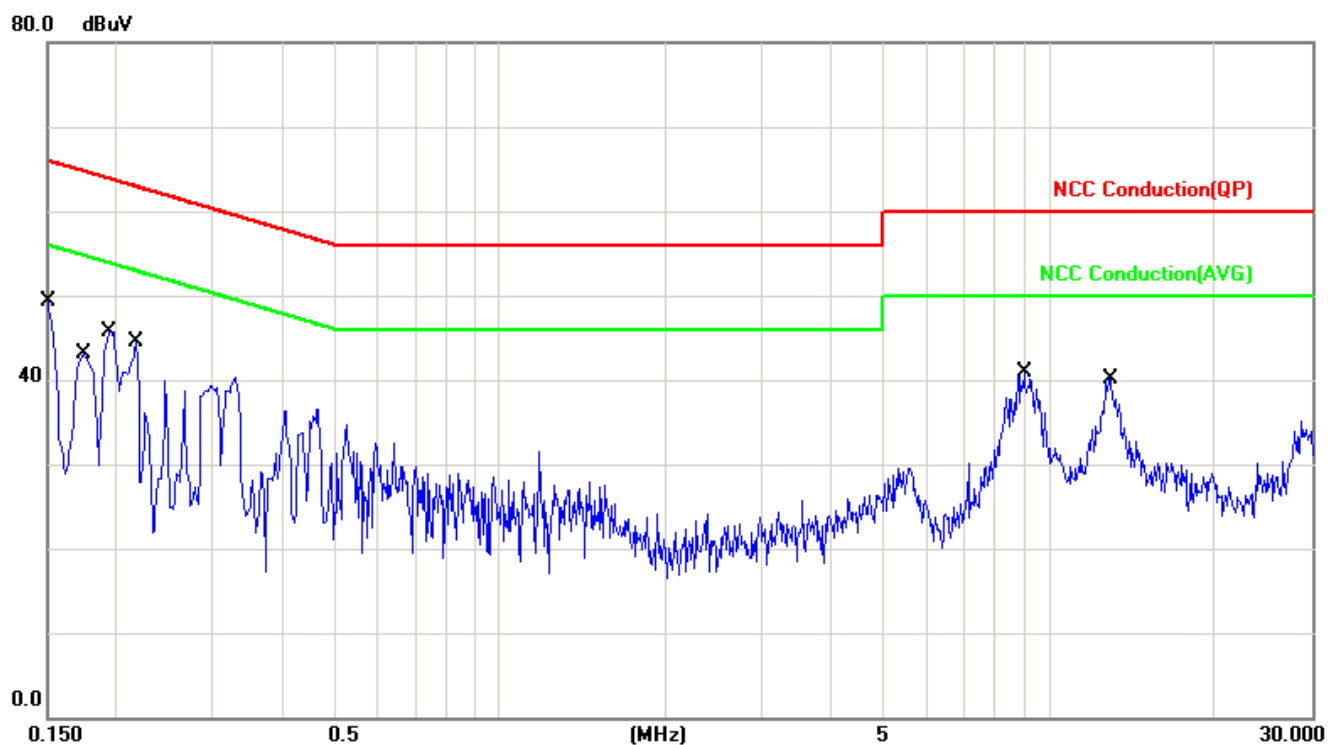
#28

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:28:19

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal2
 Note: Game+BT+WiFi+USB Cable 2

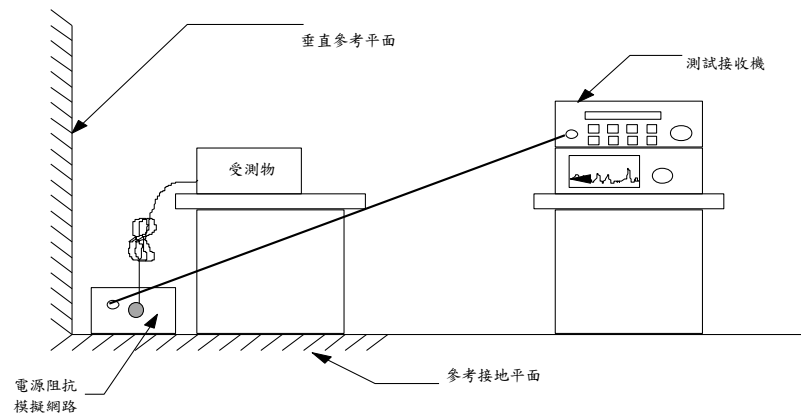
Phase: N
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	39.68	QP	9.59	49.27	66.00	-16.73
2	0.174	33.43	QP	9.59	43.02	64.77	-21.75
3	0.194	36.18	QP	9.58	45.76	63.86	-18.10
4	0.218	34.93	QP	9.58	44.51	62.89	-18.38
5	8.982	31.12	QP	9.78	40.90	60.00	-19.10
6	12.910	30.22	QP	9.85	40.07	60.00	-19.93

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“***”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

4.5 電源線傳導干擾之測試配置

圖 1



4.6 傳導量測之配置照片

請參考產品照片

5 天線增益之要求

5.1 適用標準

天線的規格不受國家通訊傳播委員會低功率射頻電機技術規範(2.2)節規定之限制。若使用超過 6dBi 方向增益之發射天線，則以超過 6dBi 天線方向增益的 dBi 總量，等量減少峰值發射功率以及峰值功率頻譜密度。

5.2 天線增益

此裝置內含兩隻天線均使用內接式天線，其天線資料如下：

Antenna1(CHAIN 0)：

廠牌：LUXSHARE-ICT 型號：L34RF056

Antenna Type	PIFA
Operation Frequency Range	2400~2480 MHz
Antenna Gain	5.0 dBi

Antenna2(CHAIN 1)：

廠牌：LUXSHARE-ICT 型號：L34RF057

Antenna Type	PIFA
Operation Frequency Range	2400~2480 MHz
Antenna Gain	3.5 dBi

(參照天線規格資料)

操作於MIMO模式下，Antenna1(CHAIN 0)+Antenna2(CHAIN 1) = 7.29 dBi，天線之方向性增益大於 6dBi。

5.3 結果判定

CHAIN 0 及 CHAIN 1 之方向性增益皆未超過 6 dBi，因此不需減少最大傳導輸出功率及功率密度之限制值。

操作在MIMO模式下，CHAIN 0 + CHAIN 1 之天線增益為 7.29 dBi 高於6dBi，因此需減少最大傳導輸出功率及功率密度之限制值。

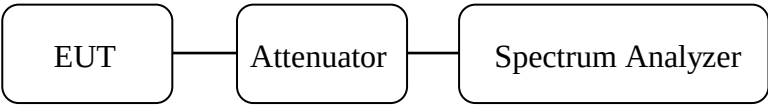
6 發射頻寬之量測

6.1 適用標準

無法規規範，僅提供數據參考用。

6.2 測試配置

圖 2：發射頻寬之測試配置



6.3 發射頻寬之量測儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

6.4 量測結果

測試工程師: 羅世勇

6.4.1 調變技術: IEEE 802.11a

測試日期: Jul. 29, 2020

環境溫度 : 24°C

環境濕度: 52%

Channel	26dB Bndwidth (MHz)	Chart
L	20.4314	Page 36
M	20.6756	Page 37
H	20.6756	Page 38

註：繪圖資料請參考第 36-38 頁。

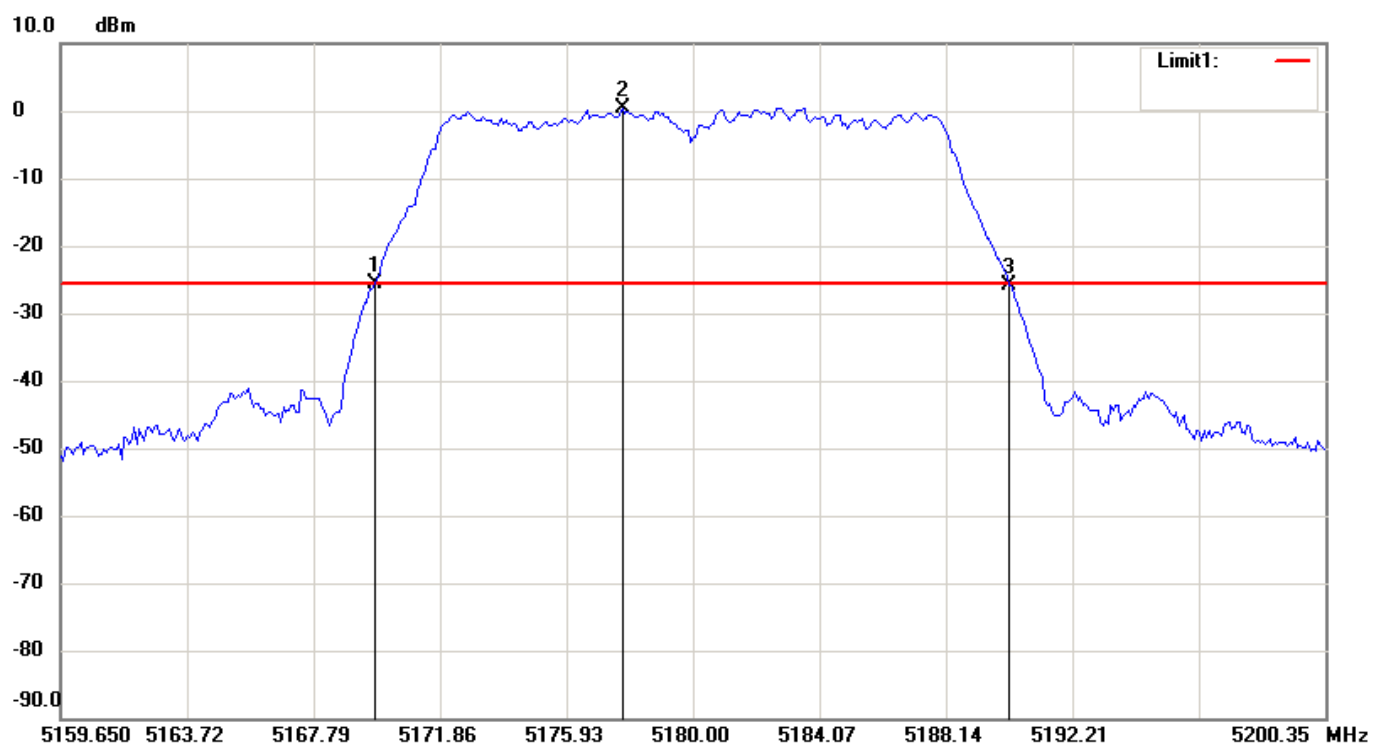
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#2

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -25.55dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a Channel 36_-26dB EBW

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 300 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5169.74360	-25.58
2	5177.72080	0.45
3	5190.17500	-25.87

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.4314	-0.29

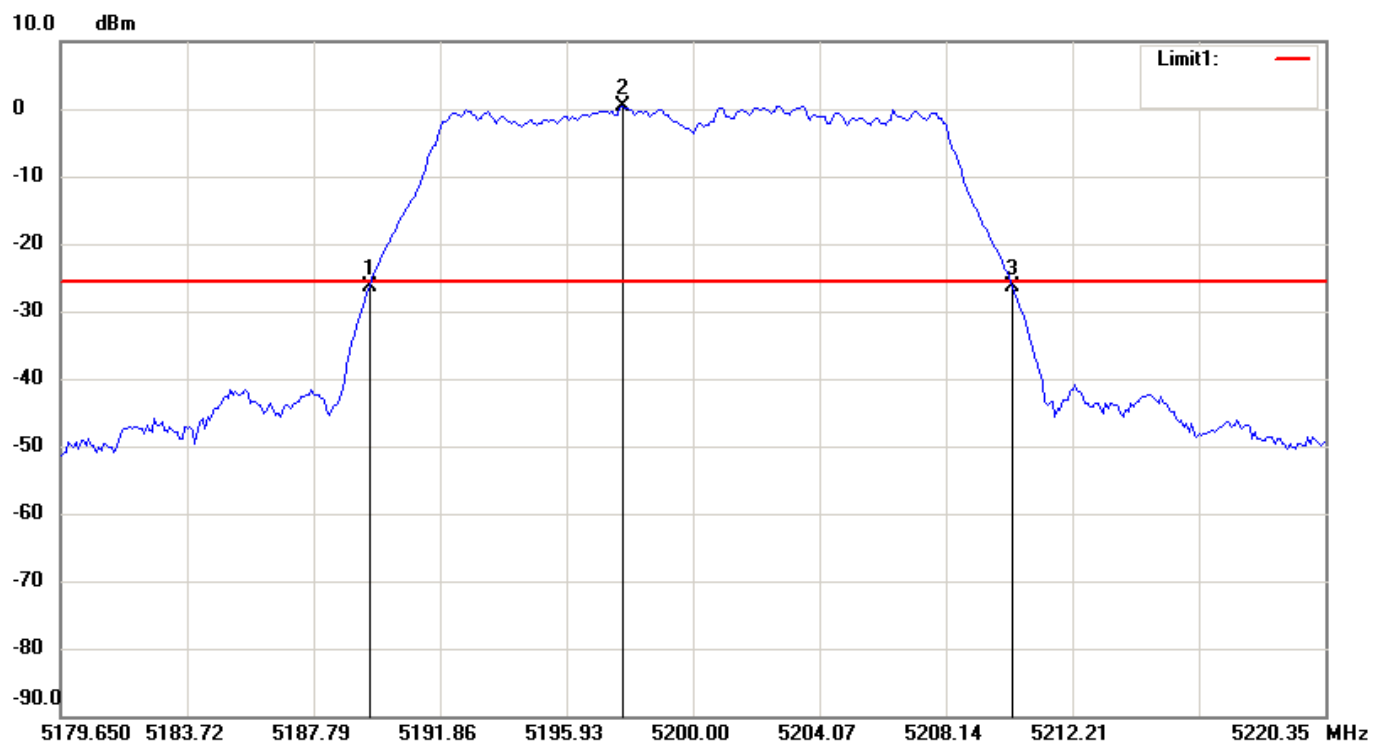
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#9

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -25.51dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a Channel 40_-26dB EBW

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 300 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5189.58080	-26.29
2	5197.72080	0.49
3	5210.25640	-26.32

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.6756	-0.03

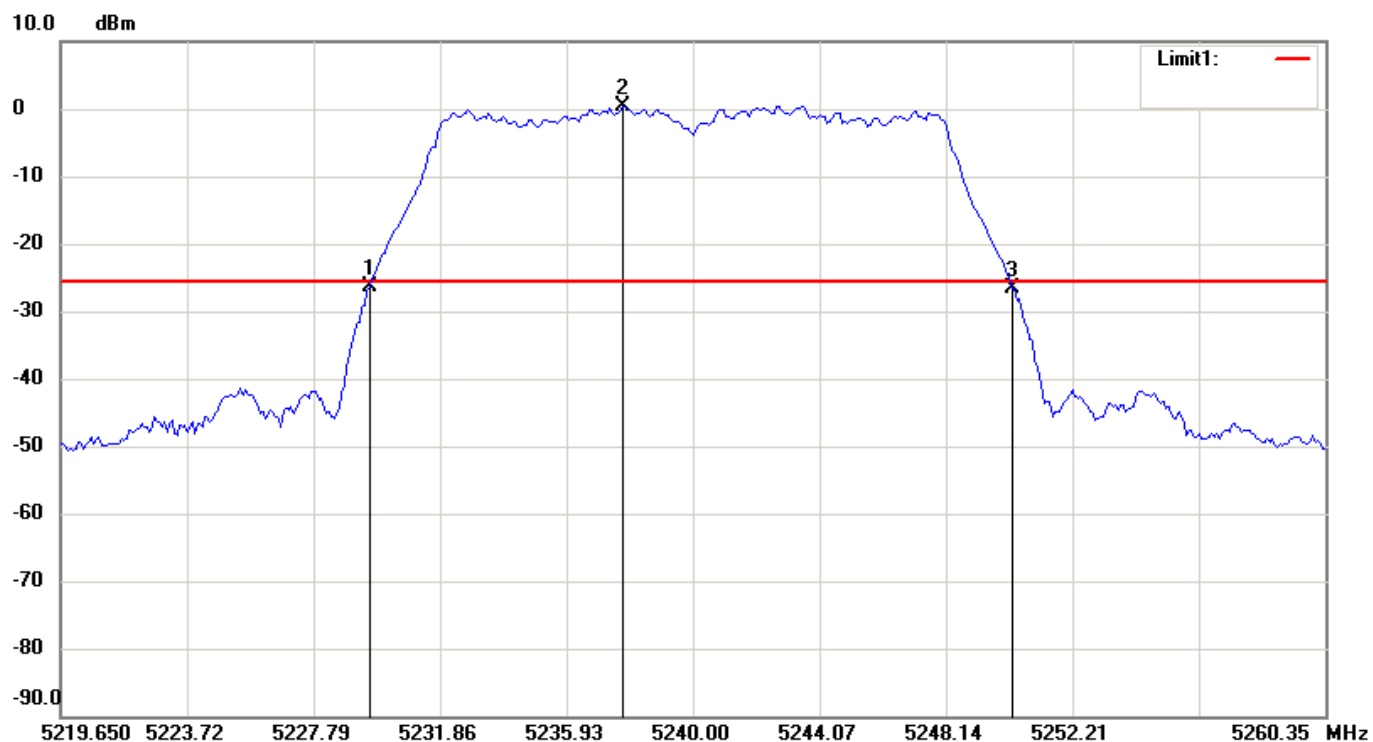
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#15

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -25.61dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a Channel 48_-26dB EBW

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 300 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5229.58080	-26.26
2	5237.72080	0.39
3	5250.25640	-26.72

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.6756	-0.46

6.4.2 調變技術: IEEE 802.11ax (20MHz)

6.4.2.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Channel	26dB Bndwidth (MHz)	Chart
L	20.9198	Page 40
M	21.0012	Page 41
H	20.8384	Page 42

註：繪圖資料請參考第 40-42 頁。

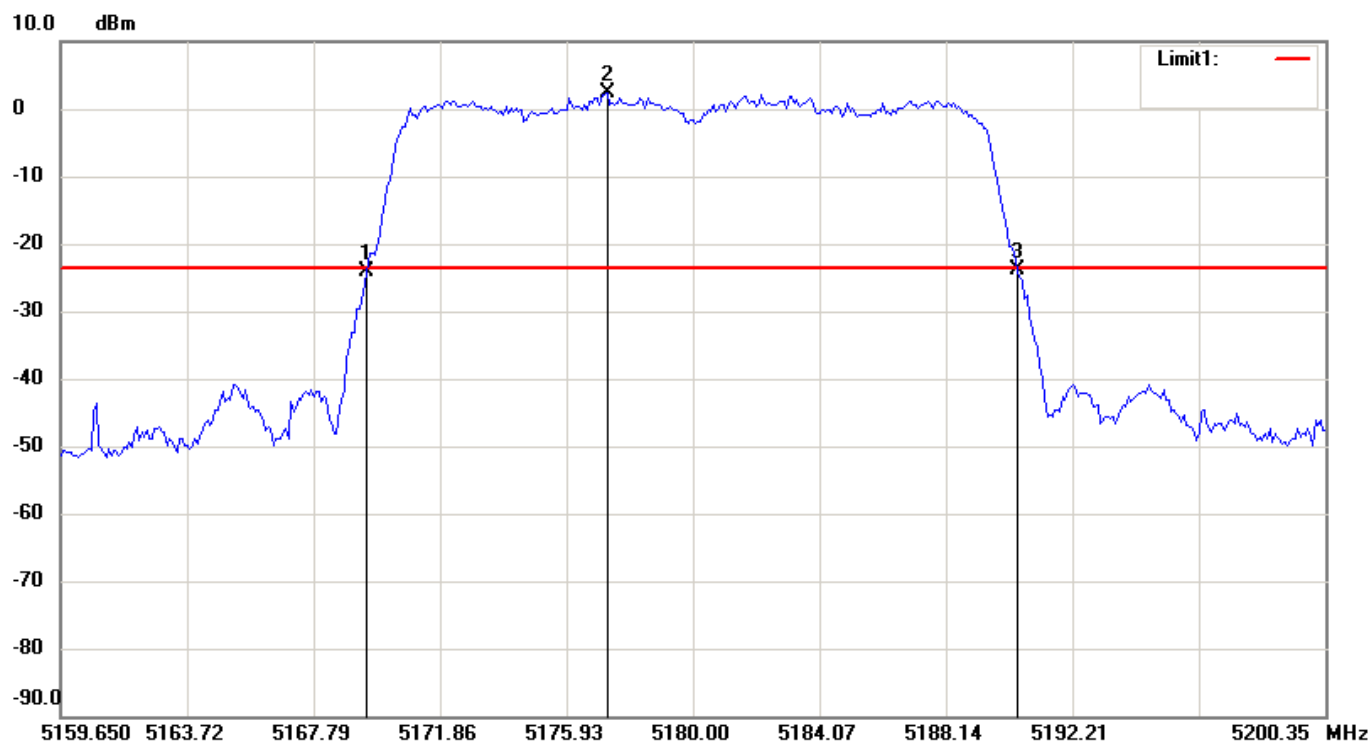
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#2

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -23.74dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 36_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz

Operator:

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5169.49940	-24.16
2	5177.23240	2.26
3	5190.41920	-23.99

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.9198	0.17

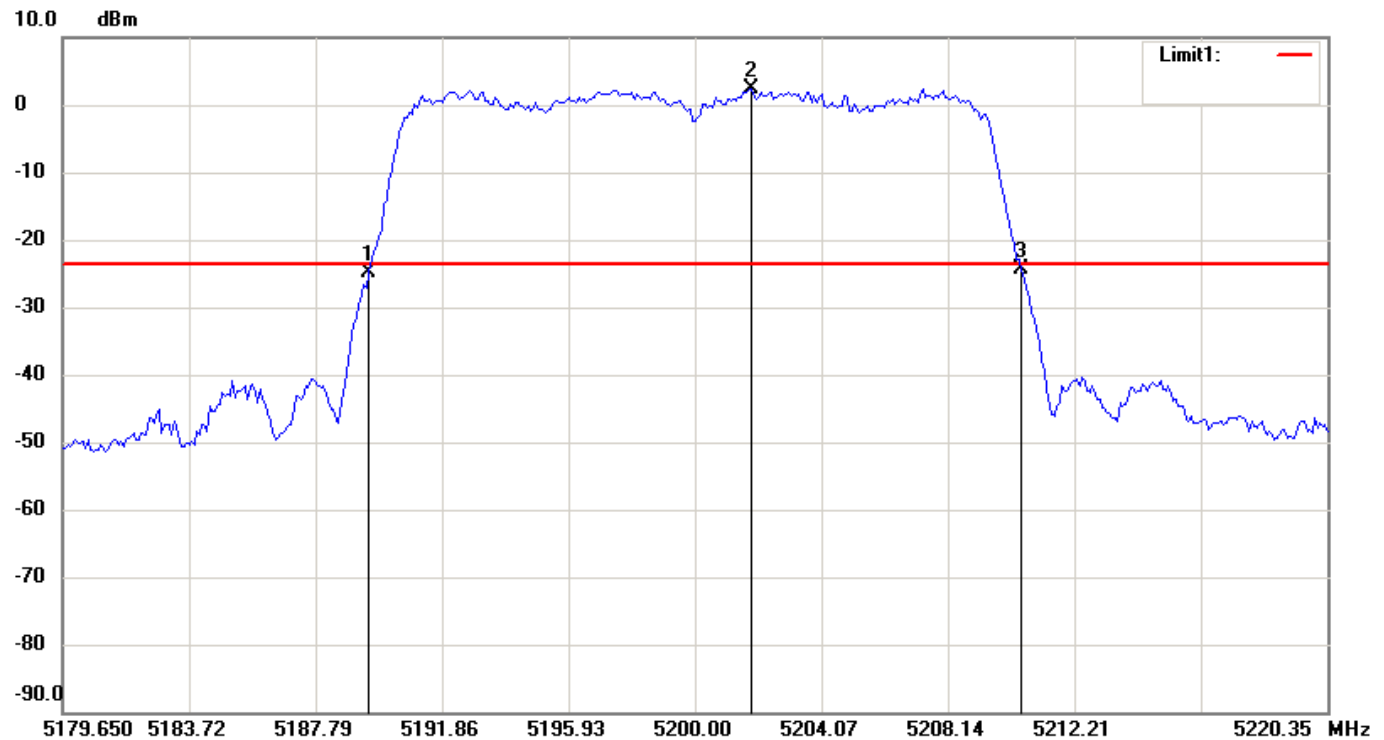
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#9

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -23.67dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 40_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz

Operator:

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5189.49940	-24.75
2	5201.79080	2.33
3	5210.50060	-24.38

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	21.0012	0.37

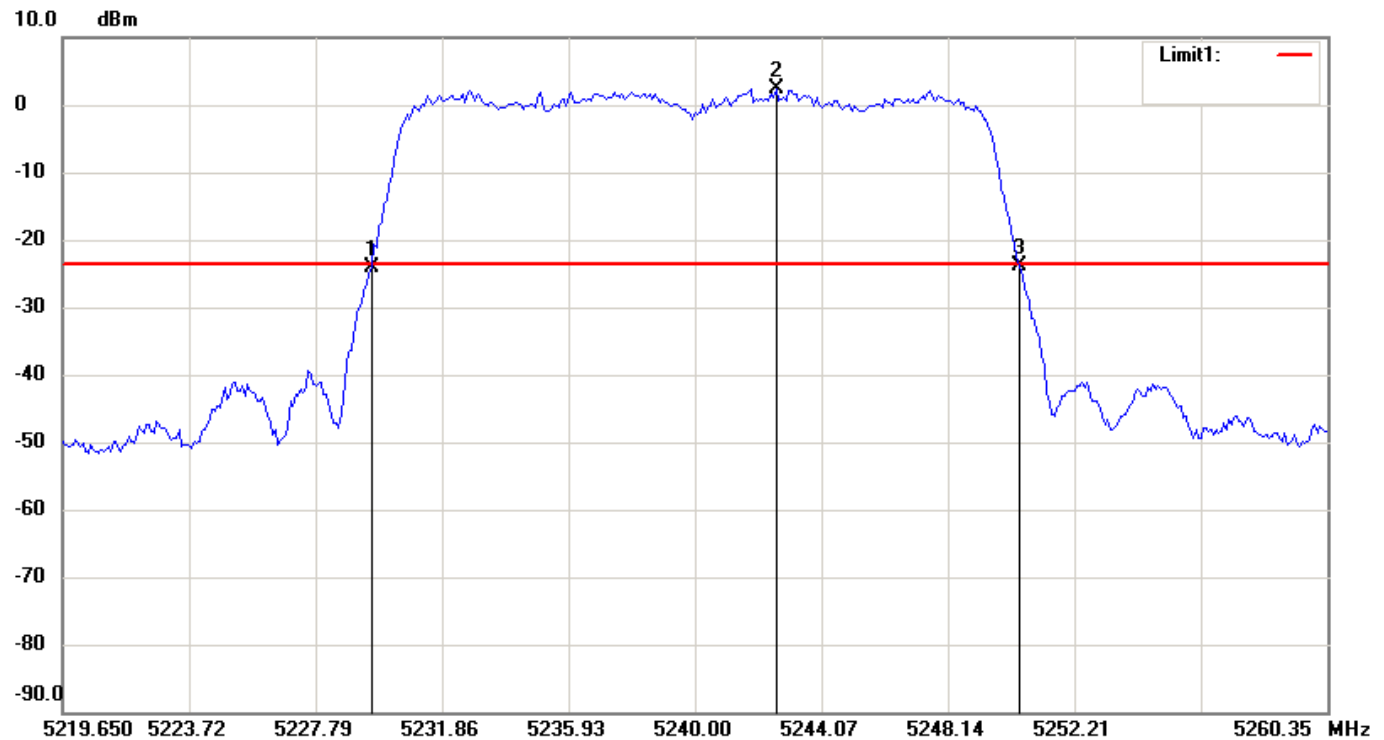
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#15

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -23.6dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 48_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz

Operator:

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5229.58080	-24.01
2	5242.60480	2.40
3	5250.41920	-23.85

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.8384	0.16

6.4.2.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Channel	26dB Bndwidth (MHz)	Chart
L	20.7570	Page 44
M	20.9198	Page 45
H	21.0012	Page 46

註：繪圖資料請參考第 44-46 頁。

File: 20-07-MAS-052_5-2ax20_Ant2

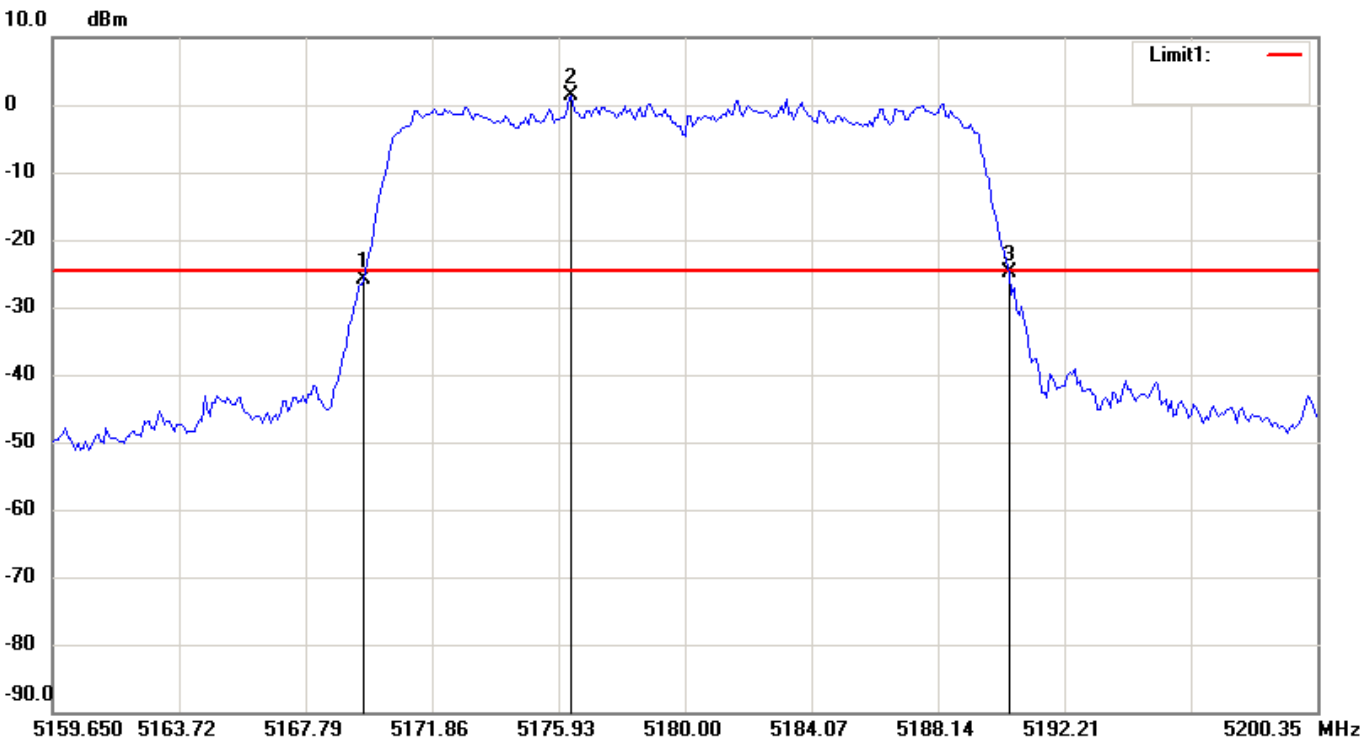
#2

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: -24.69dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 36_-26dB EBW

RF Conducted

Sweep Time: 1ms

RBW: 300 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5169.66220	-25.87
2	5176.33700	1.31
3	5190.41920	-24.84

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.757	1.03

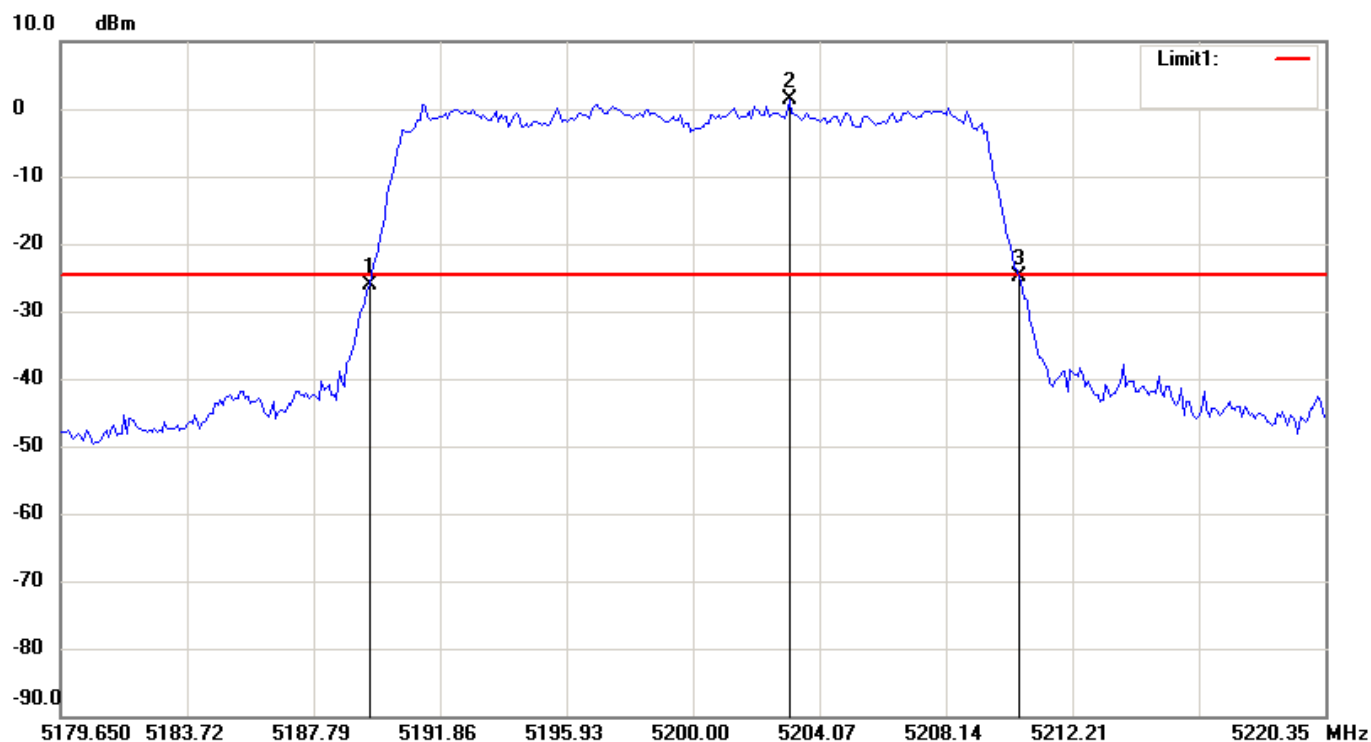
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#9

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -24.73dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 40_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz

Operator:

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5189.58080	-26.24
2	5203.09320	1.27
3	5210.50060	-24.93

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.9198	1.31

File: 20-07-MAS-052_5-2ax20_Ant2

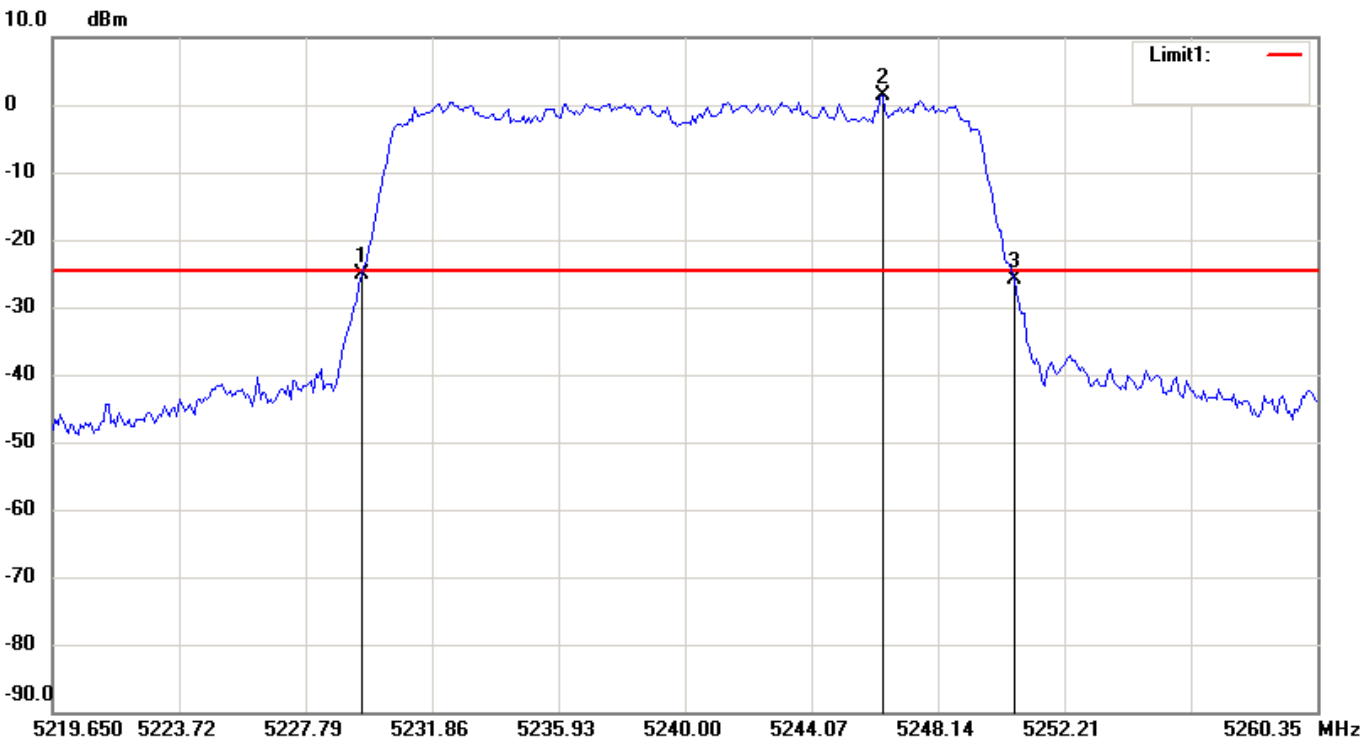
#15

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: -24.68dBm

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 1ms Att.: 15dB

Model: CFI-1018A

RBW: 300 KHz VBW: 1000 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax20 Channel 48_-26dB EBW

No.	Frequency(MHz)	Level(dBm)
1	5229.58080	-25.20
2	5246.34920	1.32
3	5250.58200	-25.79

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	21.0012	-0.59

6.4.3 調變技術: IEEE 802.11ax (40MHz)

6.4.3.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Channel	26dB Bndwidth (MHz)	Chart
L	41.4630	Page 48
H	41.1378	Page 49

註：繪圖資料請參考第 48-49 頁。

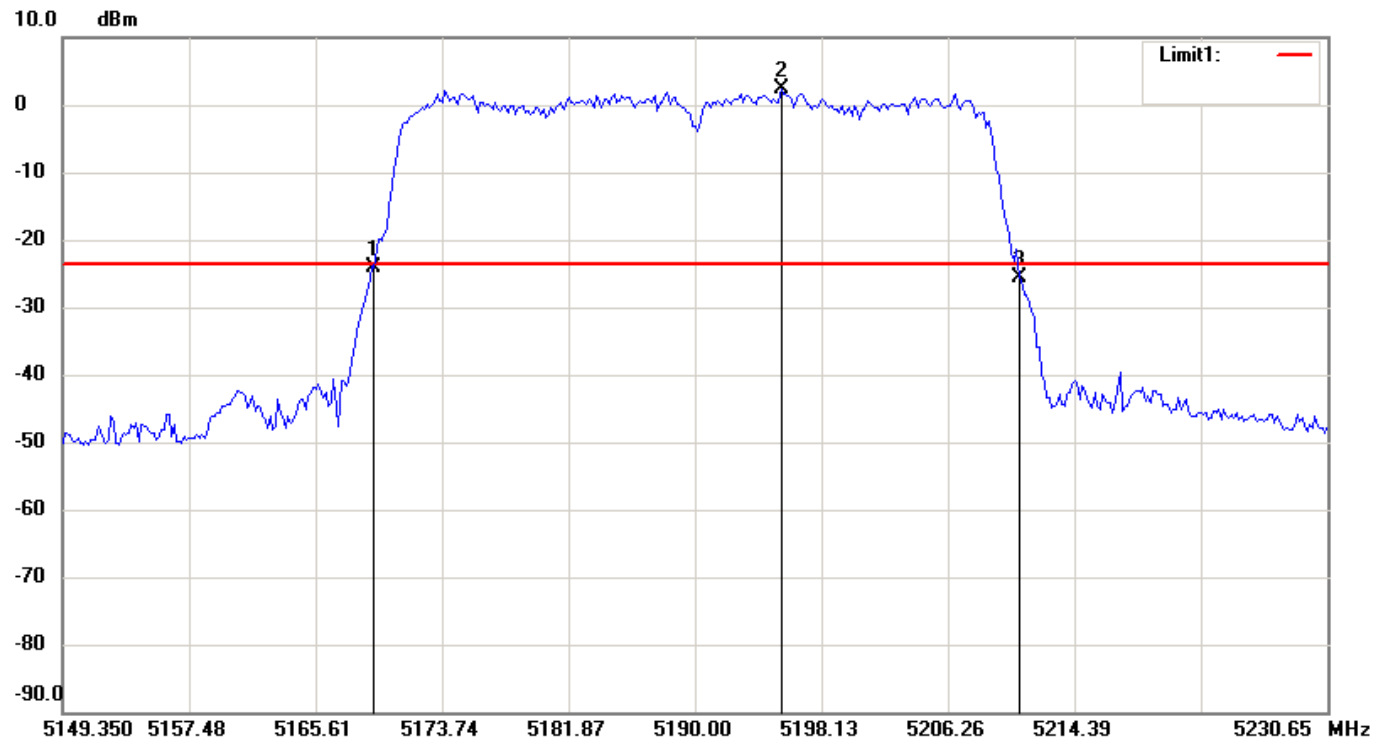
File: 20-07-MAS-052_5-2ax40_Ant1
Site: RF-Cond01

#2

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -23.53dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 38_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5169.34980	-24.19
2	5195.52840	2.47
3	5210.81280	-25.50

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	41.463	-1.31

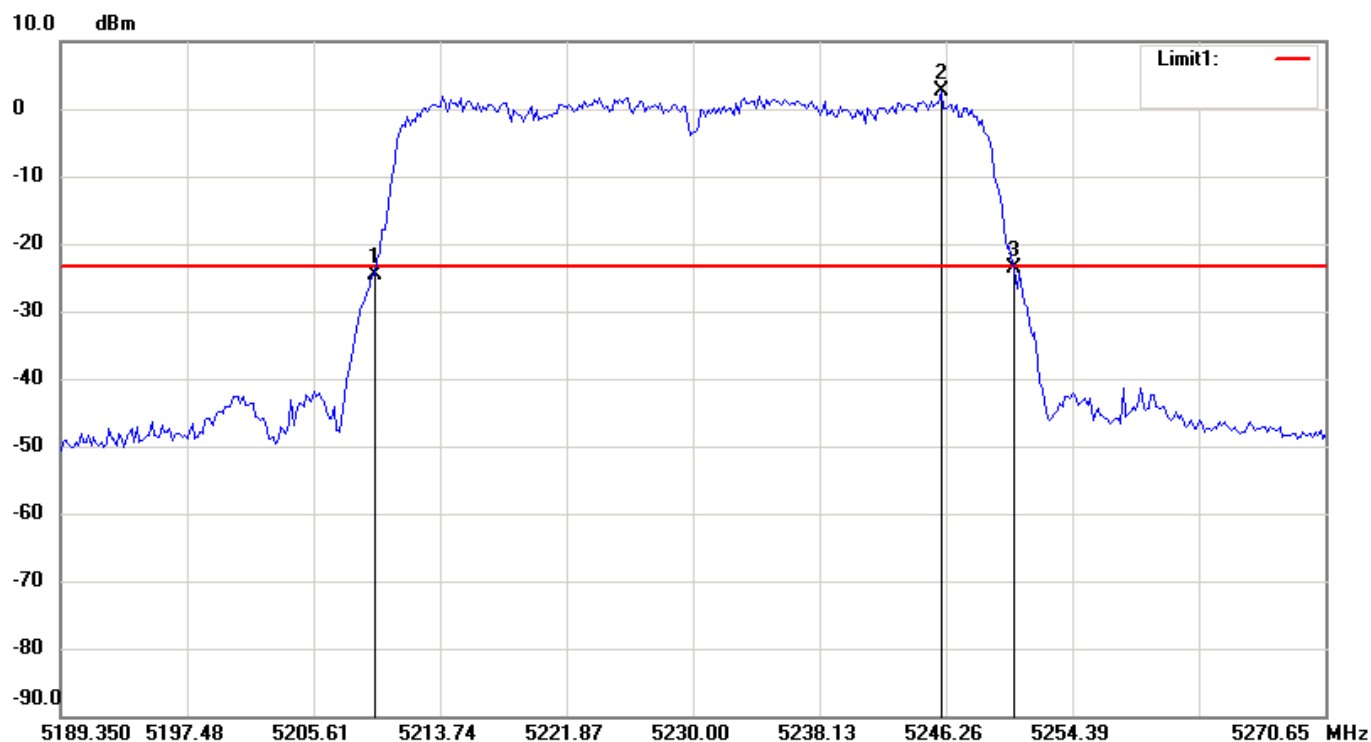
File: 20-07-MAS-052_5-2ax40_Ant1
Site: RF-Cond01

#9

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -23.49dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 46_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5209.51240	-24.55
2	5245.93480	2.51
3	5250.65020	-23.61

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	41.1378	0.94

6.4.3.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Channel	26dB Bndwidth (MHz)	Chart
L	40.9752	Page 51
H	41.1378	Page 52

註：繪圖資料請參考第 51-52 頁。

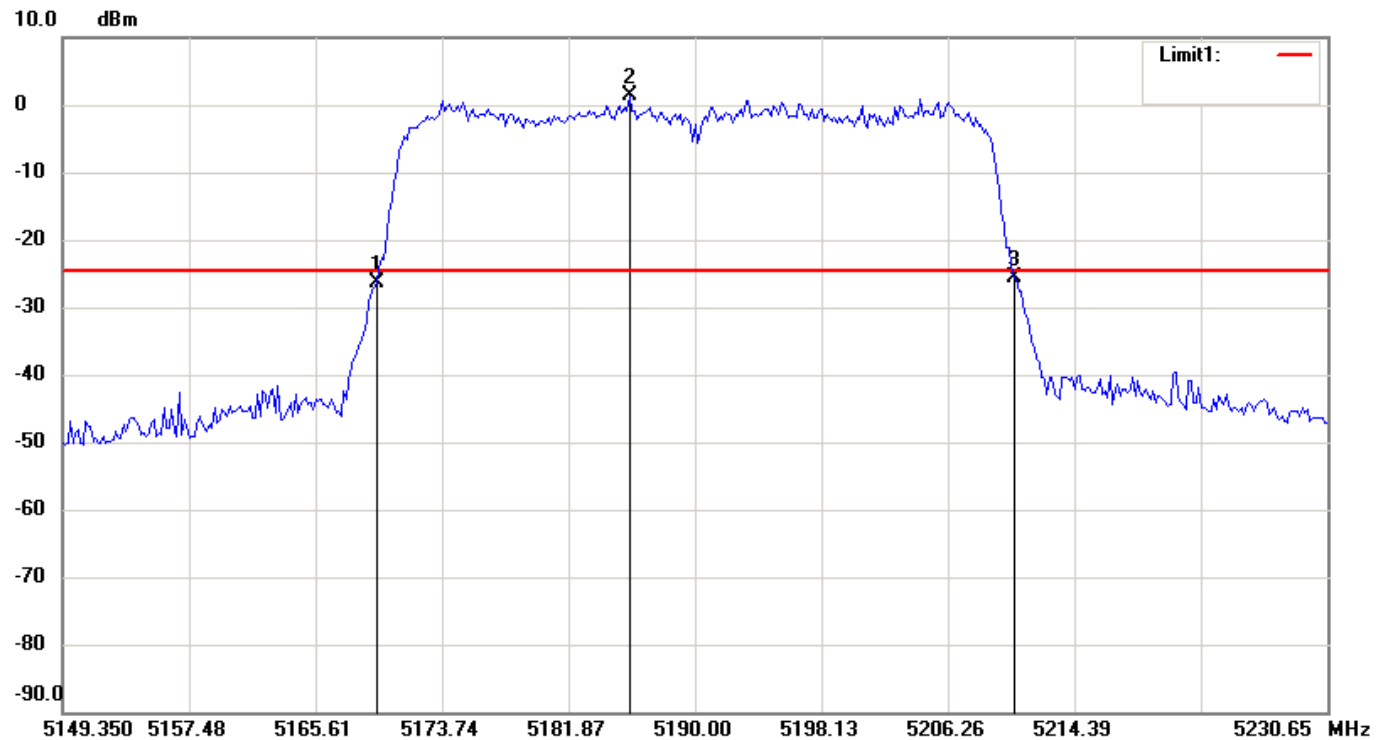
File: 20-07-MAS-052_5-2ax40_Ant2
Site: RF-Cond01

#2

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -24.59dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 38_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5169.51240	-26.42
2	5185.77240	1.41
3	5210.48760	-25.74

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	40.9752	0.68

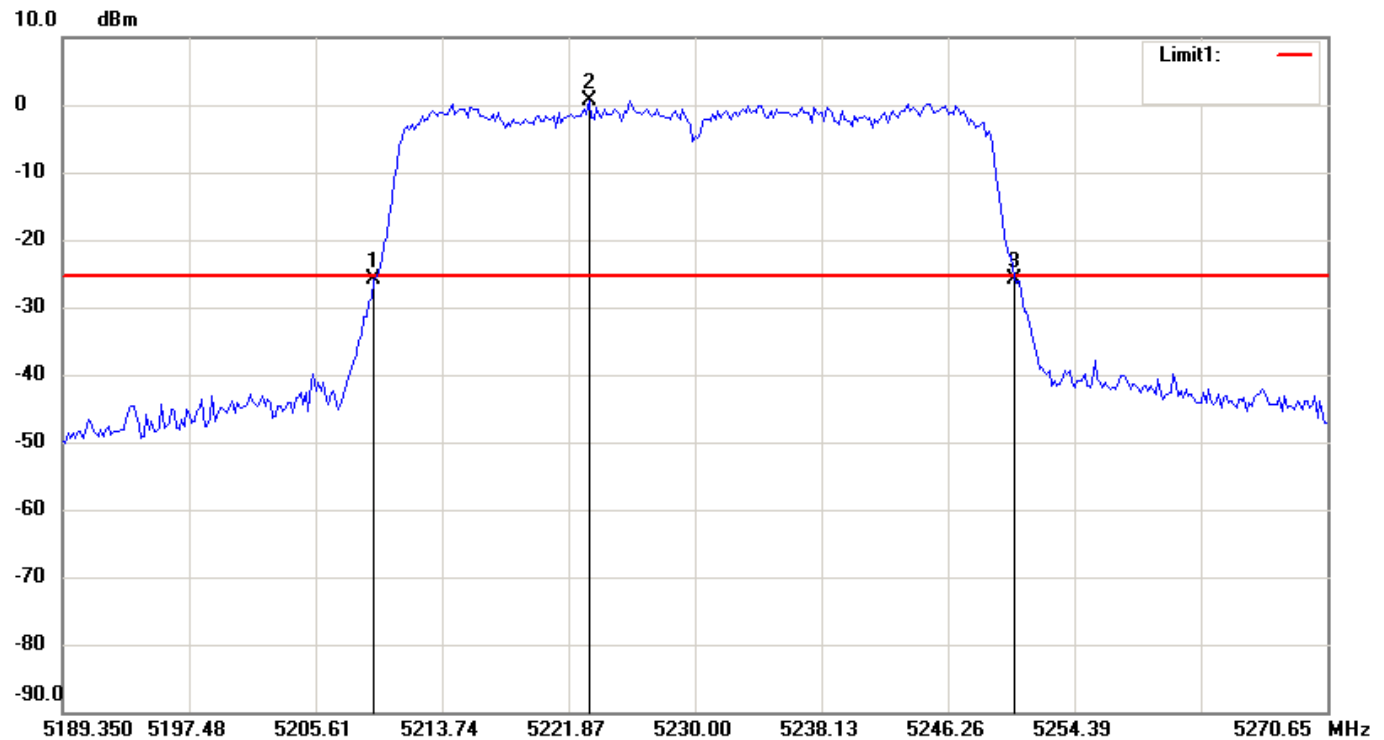
File: 20-07-MAS-052_5-2ax40_Ant2
Site: RF-Cond01

#9

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -25.35dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 46_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5209.34980	-25.97
2	5223.17080	0.65
3	5250.48760	-25.75

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	41.1378	0.22

6.4.4 調變技術:IEEE 802.11ax (80MHz)

6.4.4.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Channel	26dB Bndwidth (MHz)	Chart
L	81.8260	Page 54

註：繪圖資料請參考第 54 頁。

File: 20-07-MAS-052_5-2ax80_Ant1

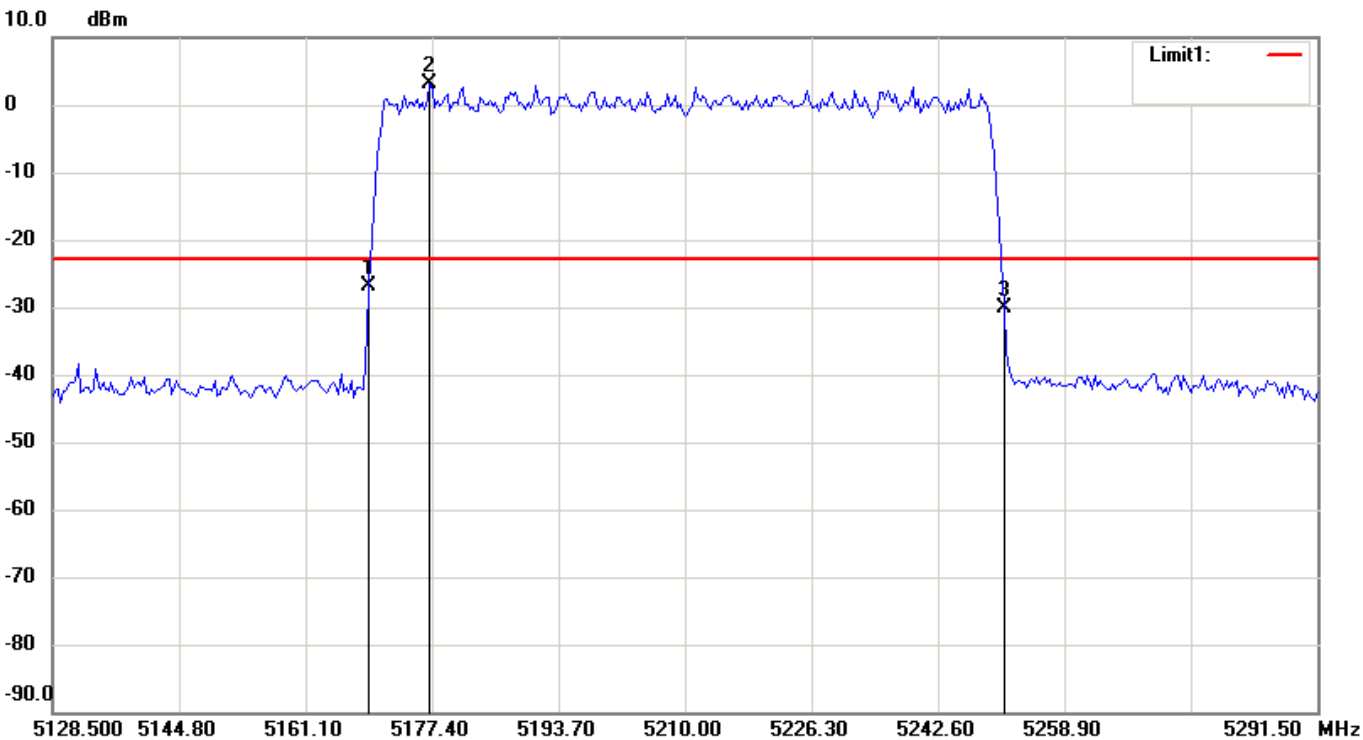
#12

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: -22.88dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 42_-26dB EBW

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5169.25000	-26.77
2	5177.07400	3.12
3	5251.07600	-30.20

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	81.826	-3.43

6.4.4.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Channel	26dB Bndwidth (MHz)	Chart
L	81.5000	Page 56

註：繪圖資料請參考第 56 頁。

6.5 結果判定

僅提供數據，無須判定。

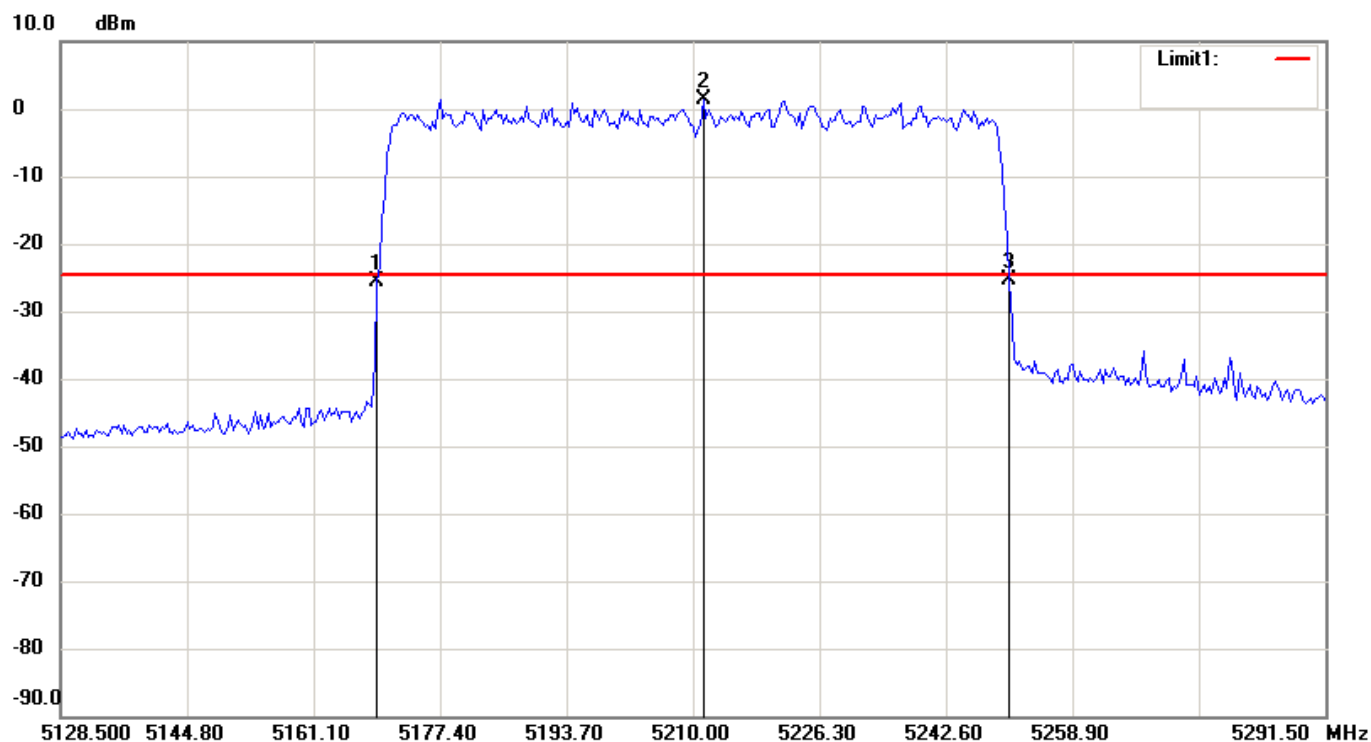
File: 20-07-MAS-052_5-2ax80_Ant2
 Site: RF-Cond01

#2

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: -24.69dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 42_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5169.25000	-25.60
2	5211.30400	1.31
3	5250.75000	-25.39

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	81.5	0.21

7 最大傳導輸出功率之量測

7.1 最大傳導輸出功率適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.3.1節(1)(2)(3)(4)之規定:

(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。

(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。

(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。

(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

(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 量，等量減少最大傳導輸出功率及最大功率頻譜密度。

7.2 最大傳導輸出功率之測試配置

如圖 2 所示。

7.3 最大傳導輸出功率之量測儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

7.4 最大傳導輸出功率之量測結果

測試工程師：羅世勇

7.4.1 調變技術: IEEE 802.11a

7.4.1.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.69	24	Page 59
M	8.70	24	Page 60
H	8.64	24	Page 61

註：1. 繪圖資料請參考第 59-61 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24 dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2a_Ant1

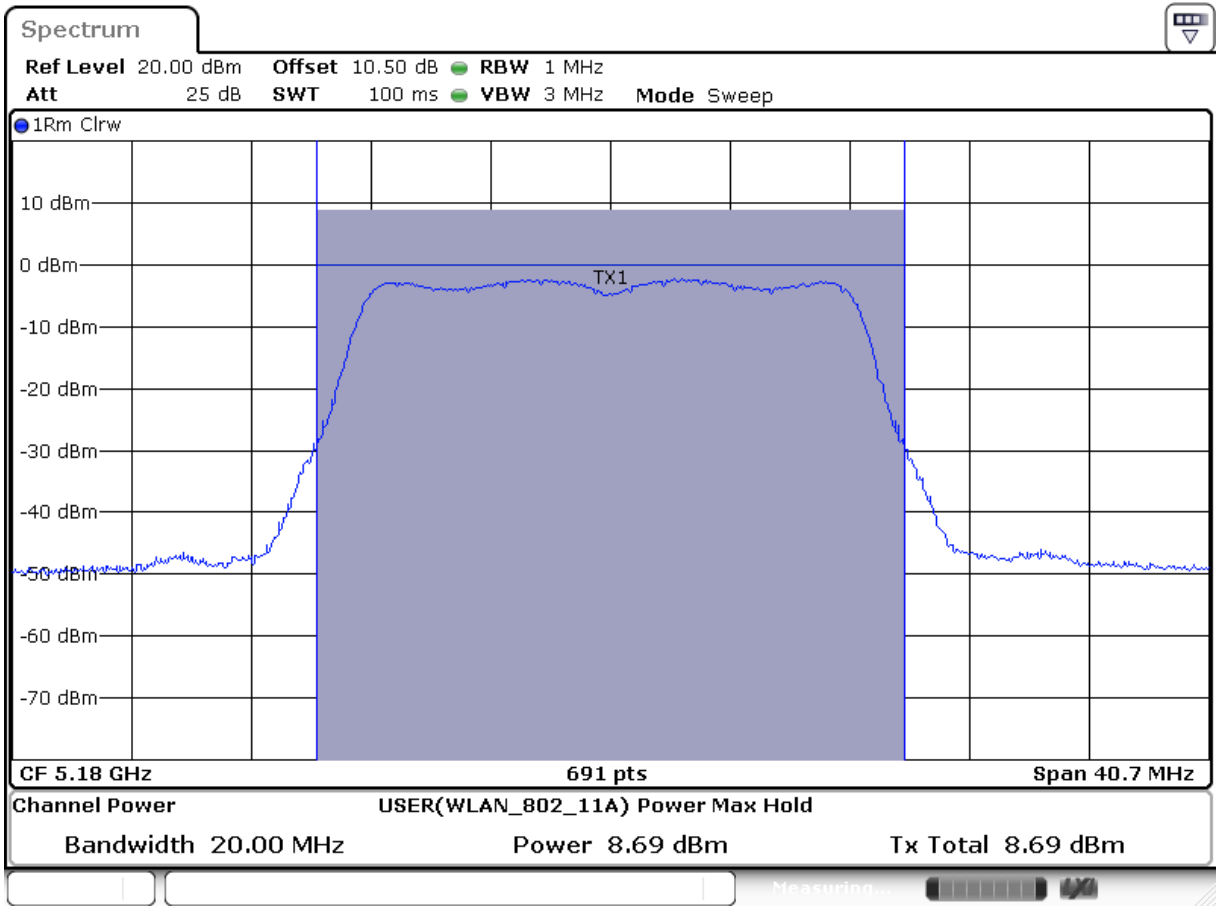
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11a_Channel 36_Output power		

File: 20-07-MAS-052_5-2a_Ant1

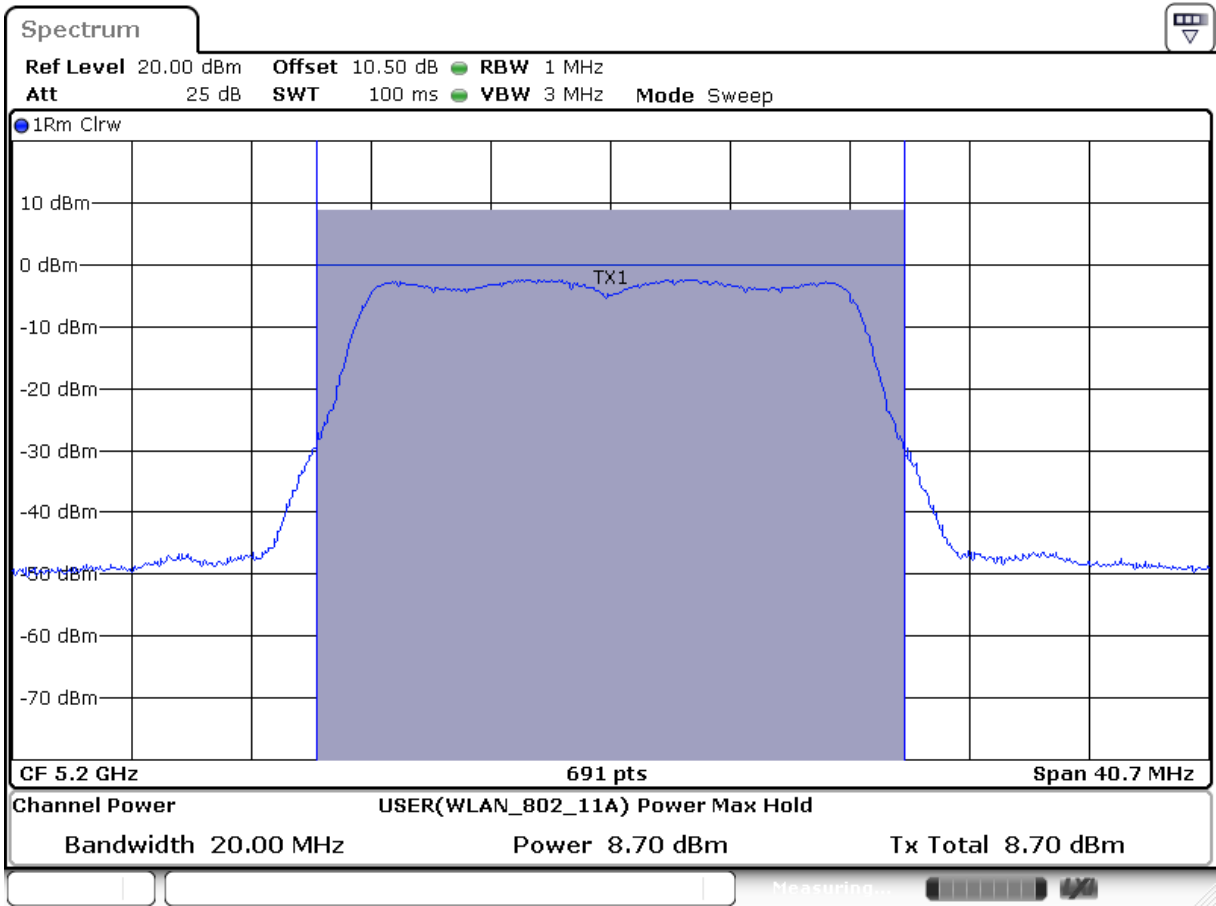
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 40_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

File: 20-07-MAS-052_5-2a_Ant1

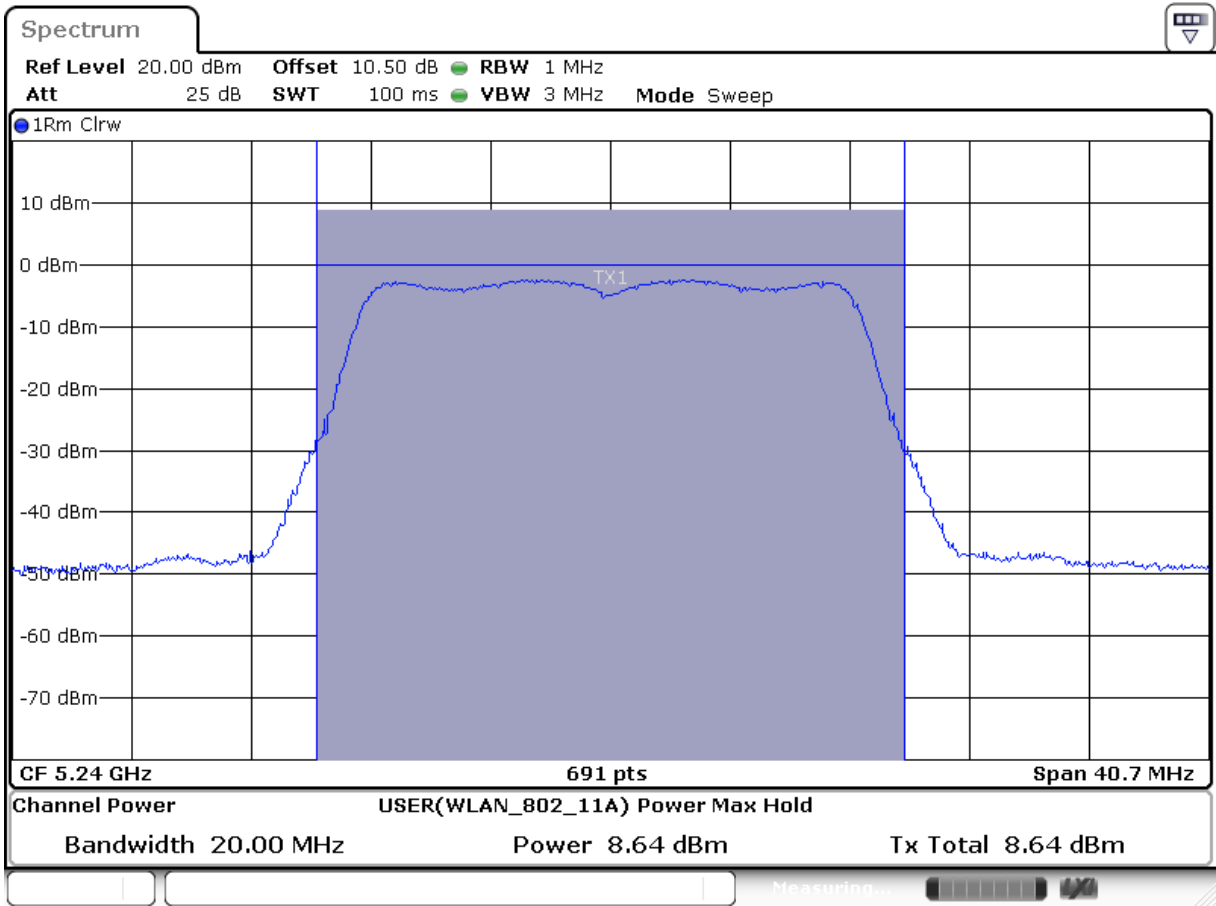
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11a_Channel 48_Output power		

7.4.1.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	6.93	24	Page 63
M	7.05	24	Page 64
H	7.16	24	Page 65

註：1. 繪圖資料請參考第 63-65 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24 dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2a_Ant2

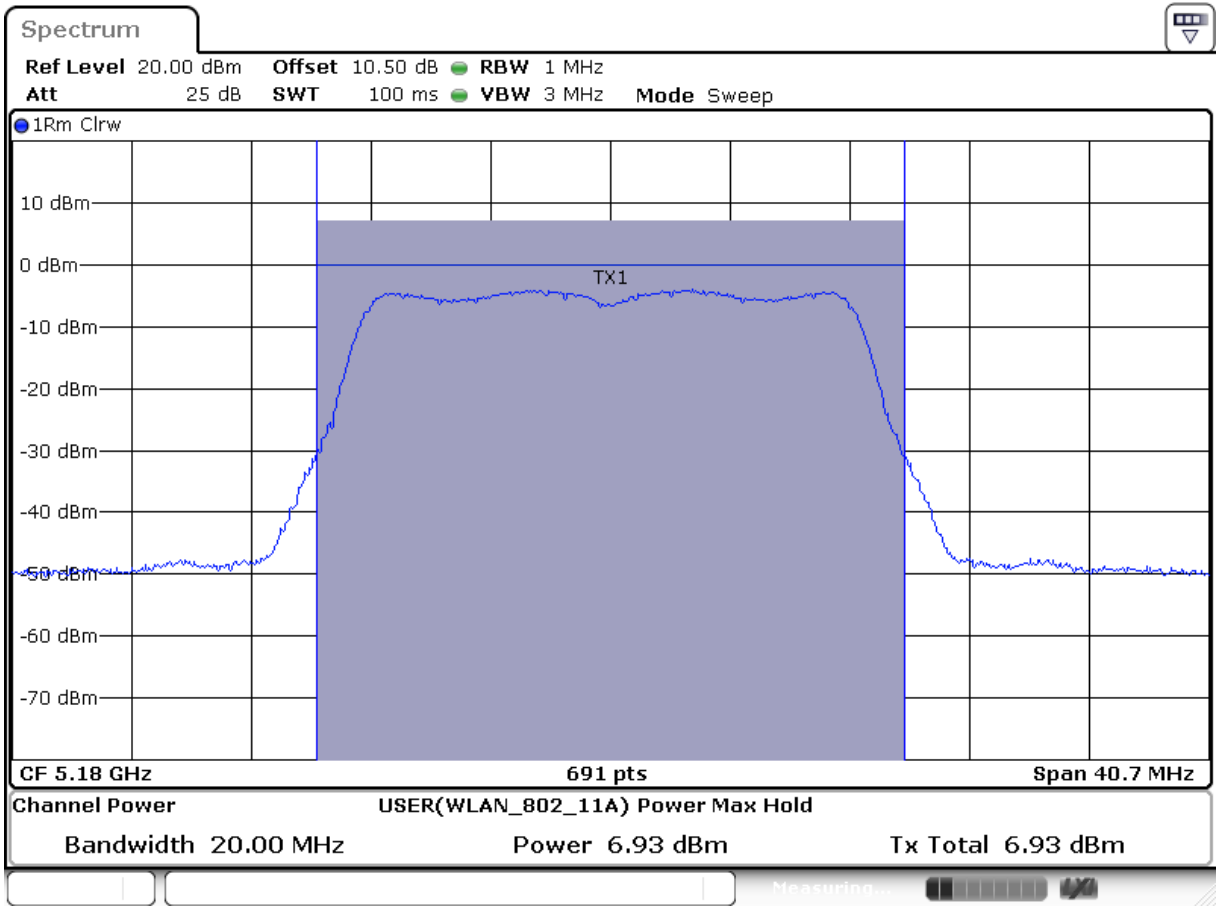
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11a_Channel 36_Output power		

File: 20-07-MAS-052_5-2a_Ant2

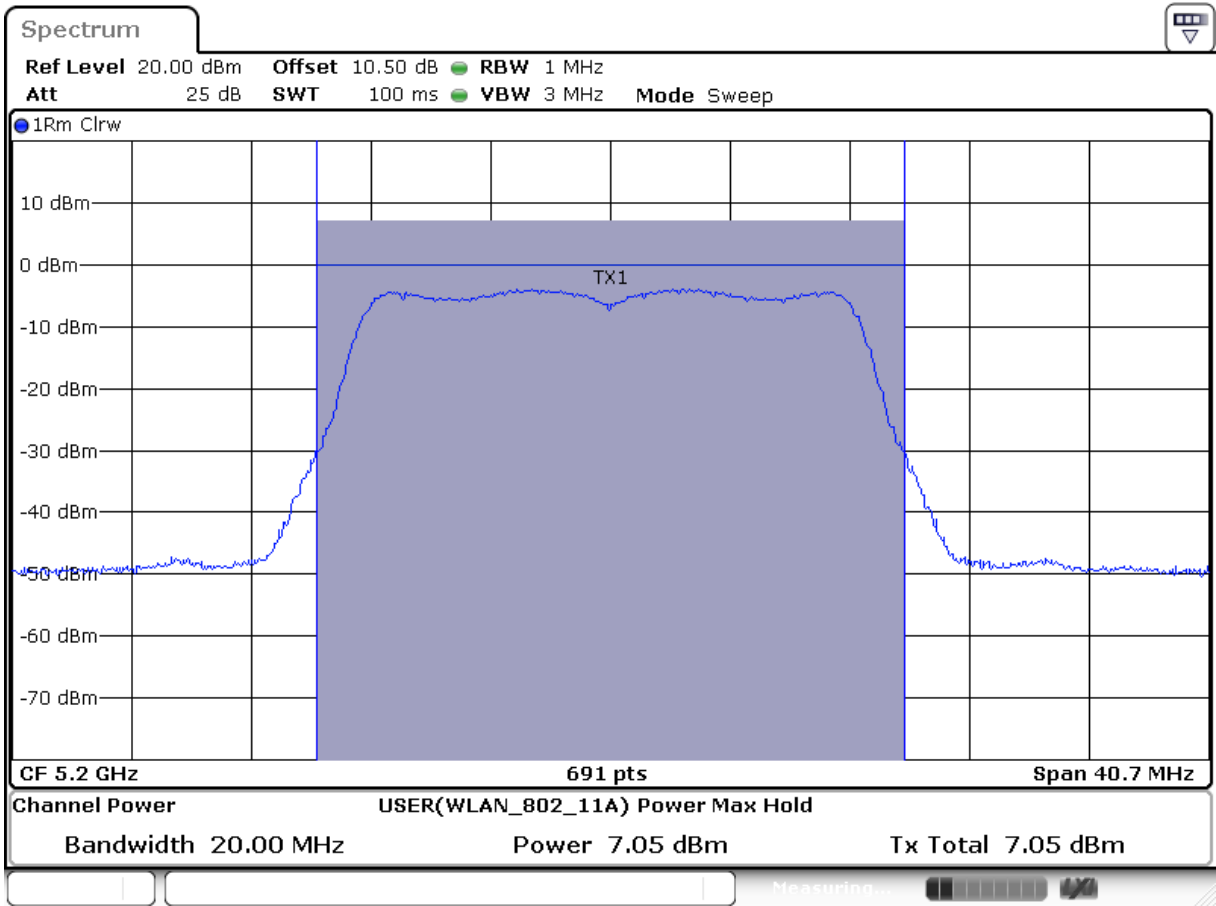
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11a_Channel 40_Output power		

File: 20-07-MAS-052_5-2a_Ant2

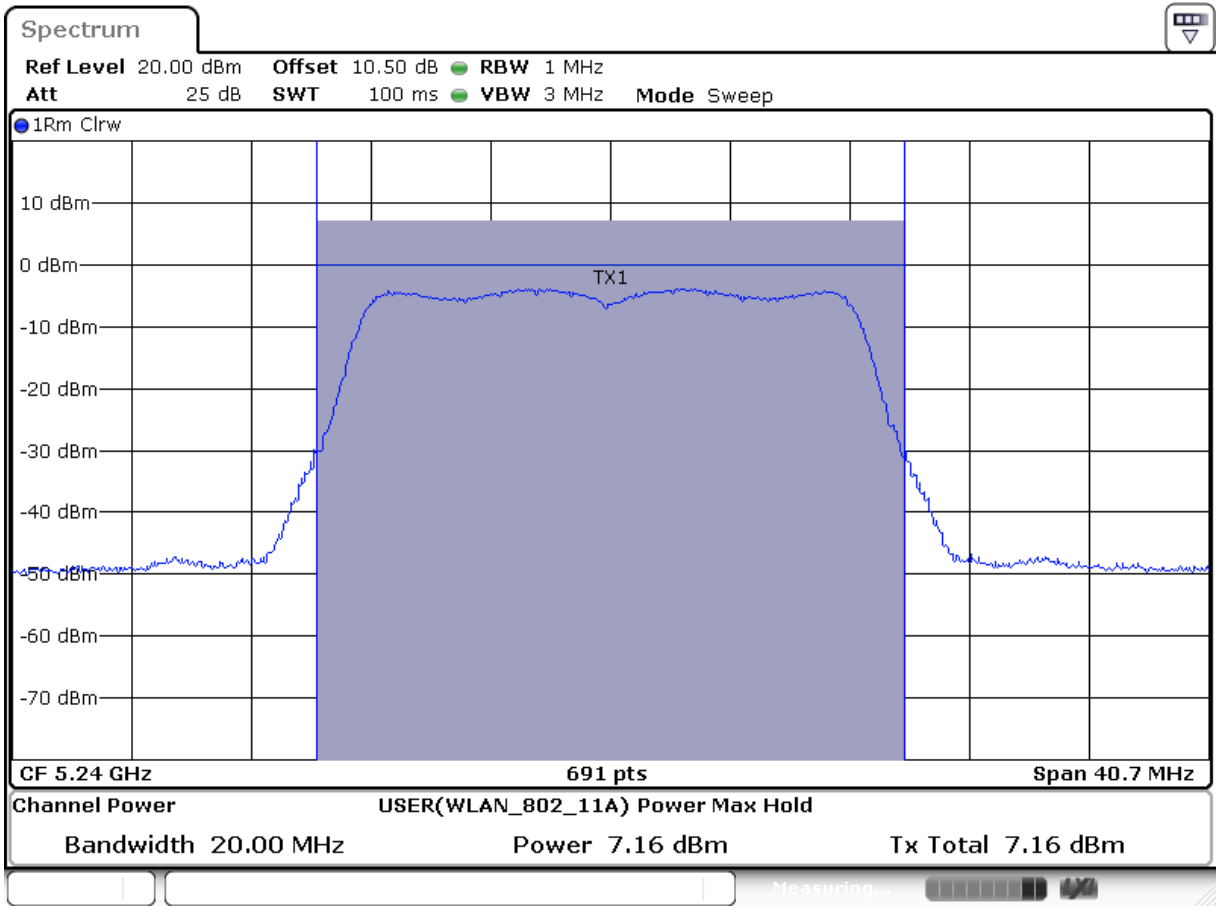
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11a_Channel 48_Output power		

7.4.2 調變技術:IEEE 802.11n HT20

7.4.2.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.67	24	Page 67
M	8.69	24	Page 68
H	8.65	24	Page 69

註：1. 繪圖資料請參考第 67-69 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2n20_Ant1

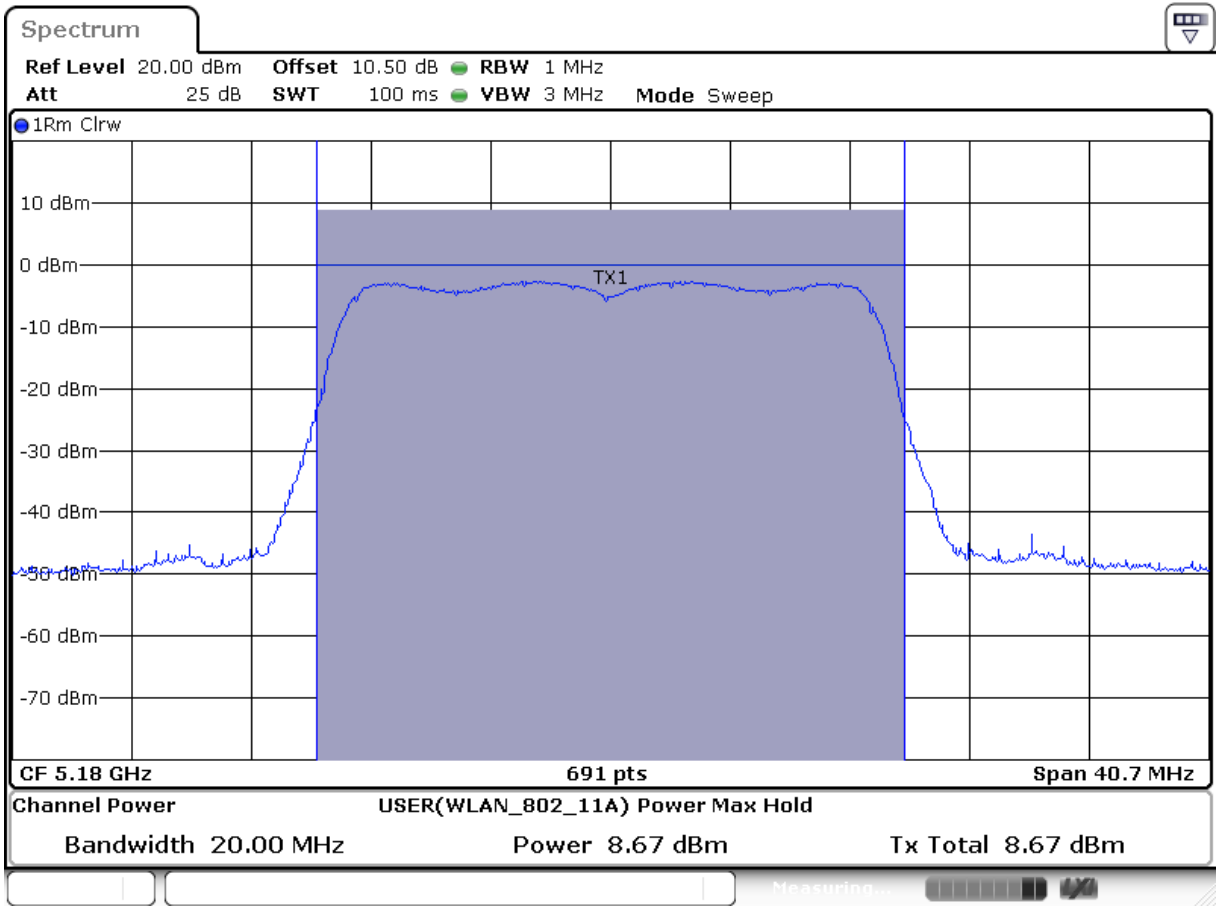
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11n20_Channel 36_Output power		

File: 20-07-MAS-052_5-2n20_Ant1

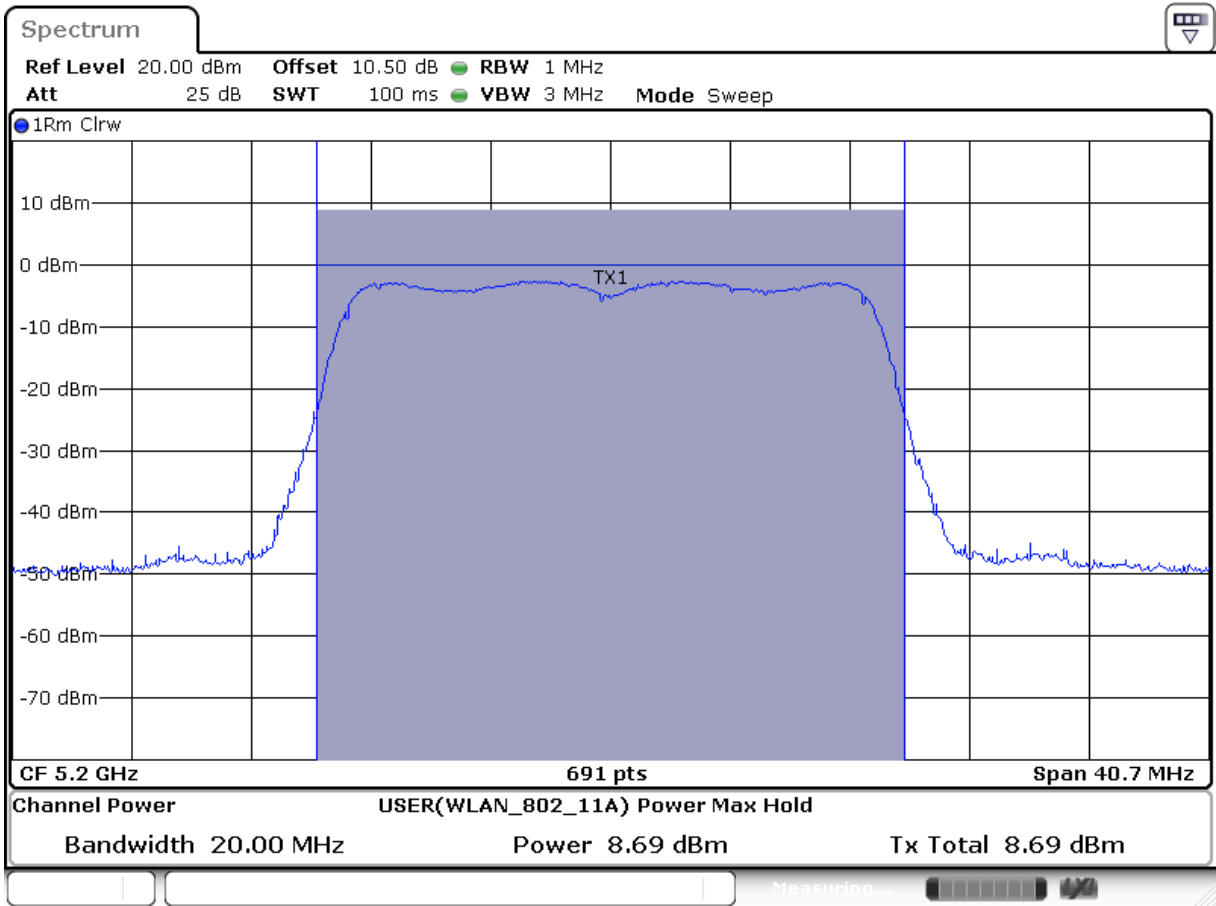
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11n20_Channel 40_Output power		

File: 20-07-MAS-052_5-2n20_Ant1

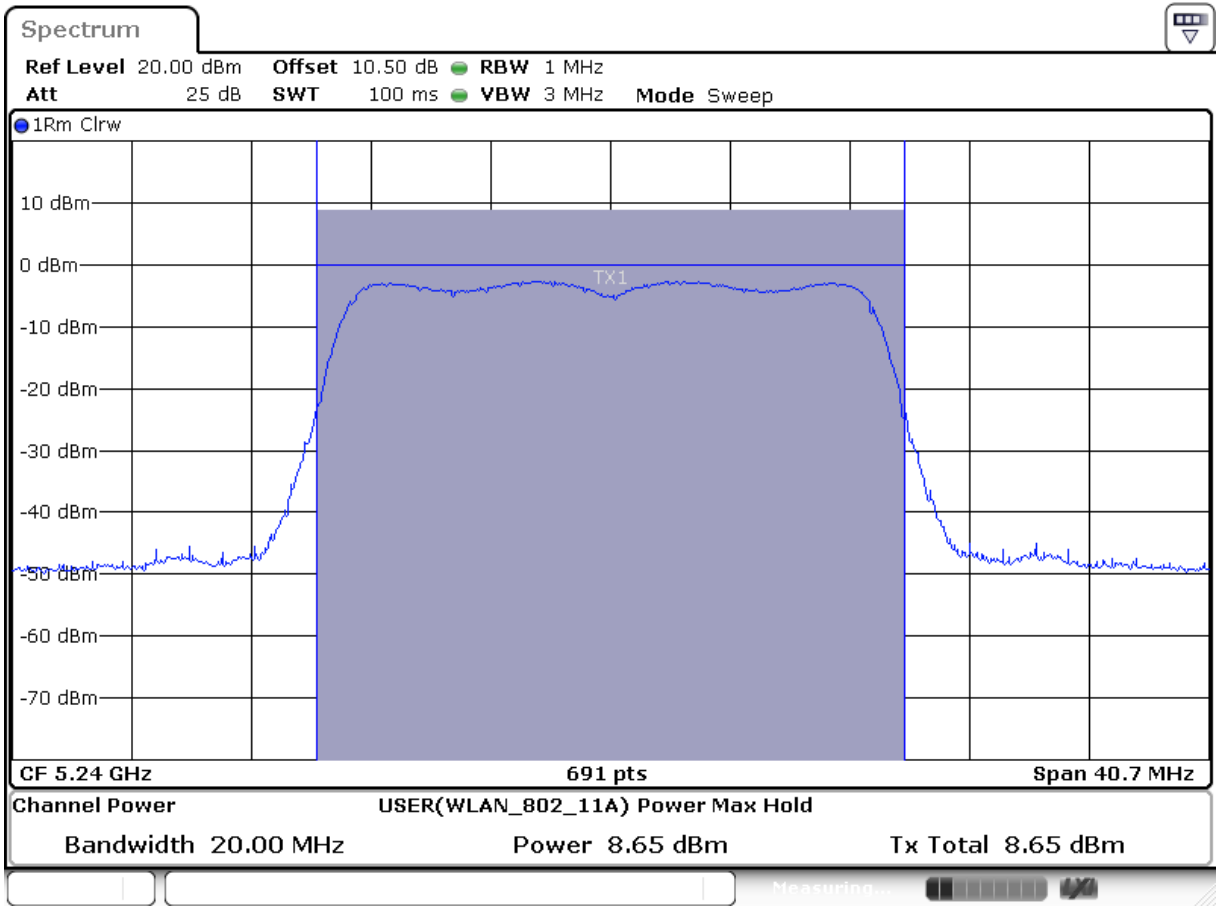
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11n20_Channel 48_Output power		

7.4.2.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	6.89	24.0	Page 71
M	6.97	24.0	Page 72
H	7.15	24.0	Page 73

註：1. 繪圖資料請參考第 71-73 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Fixed Limit = 24 dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2n20_Ant2

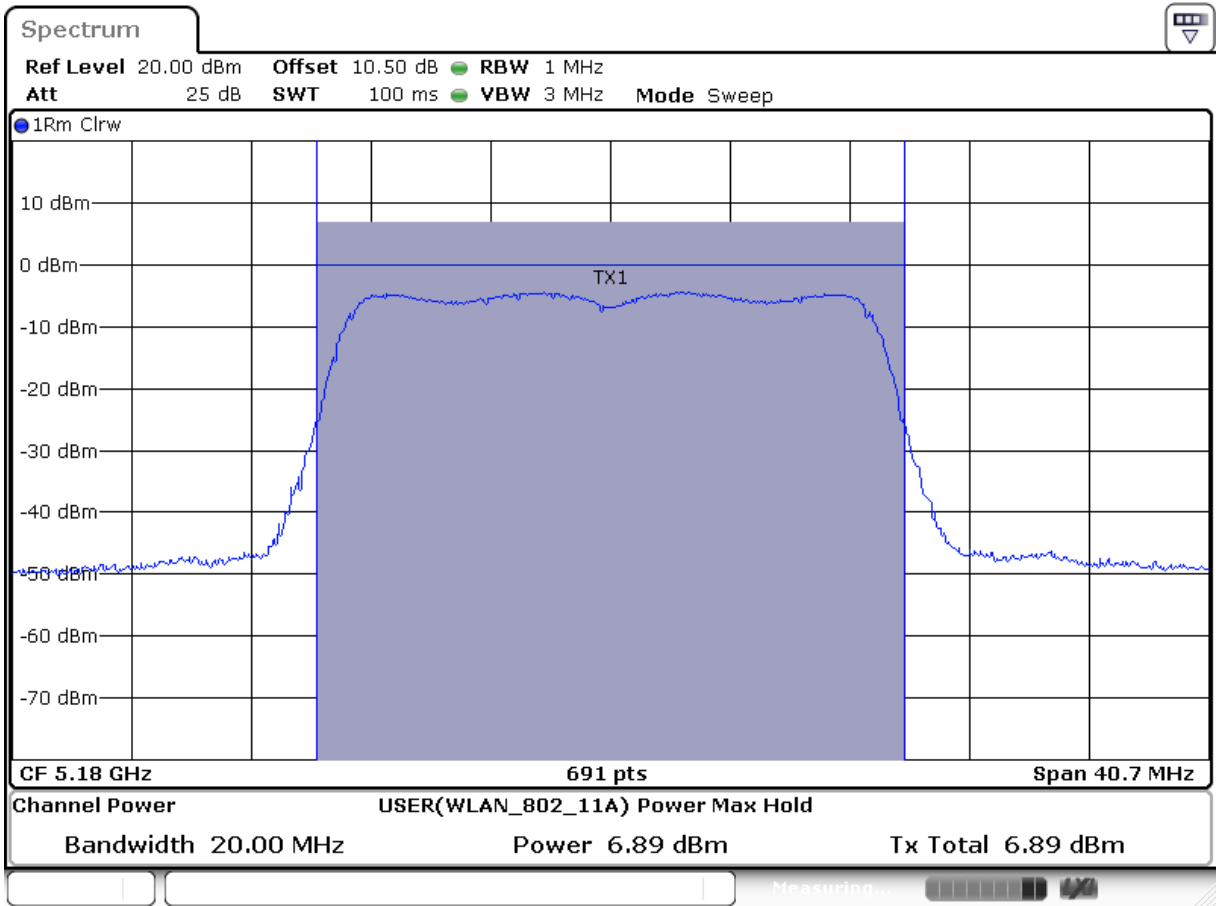
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11n20_Channel 36_Output power		

File: 20-07-MAS-052_5-2n20_Ant2

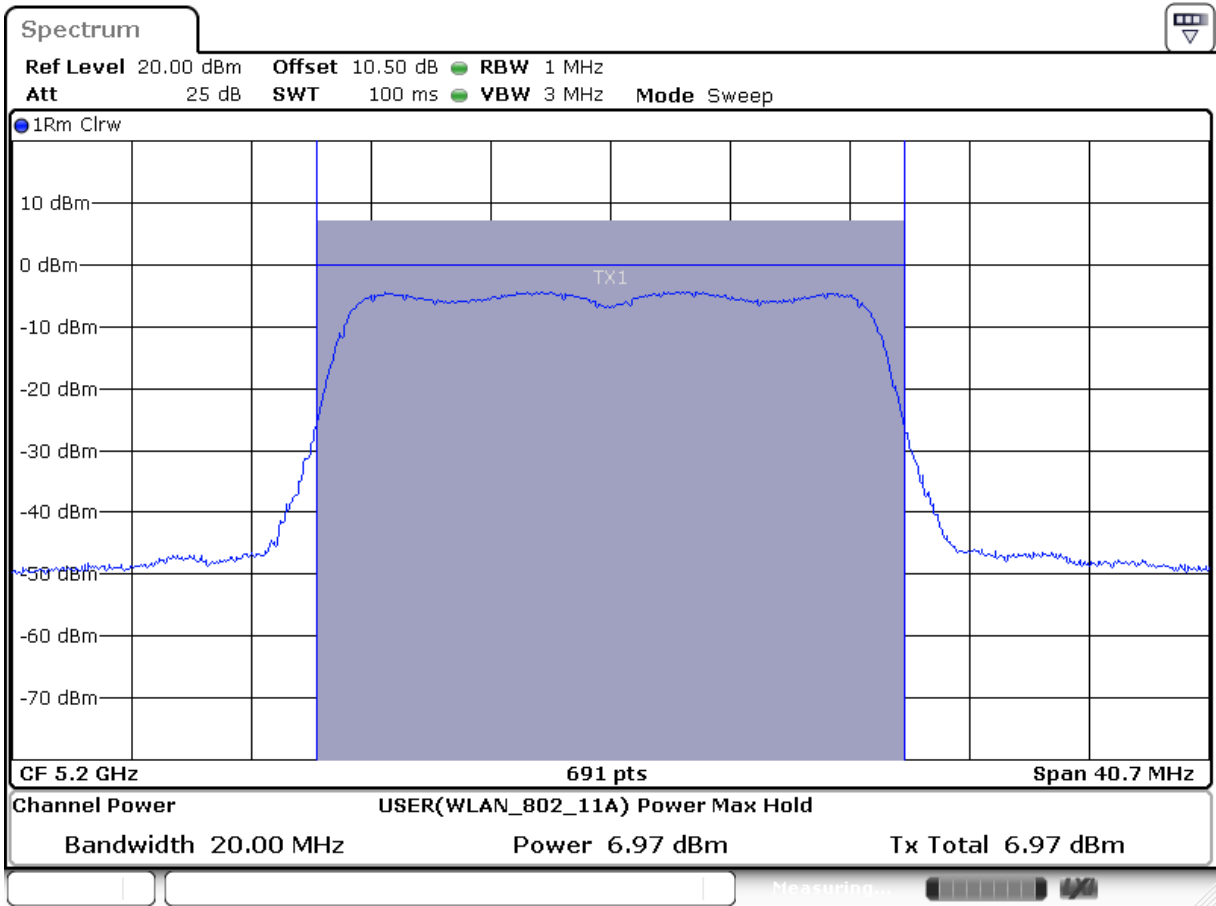
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11n20_Channel 40_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

File: 20-07-MAS-052_5-2n20_Ant2

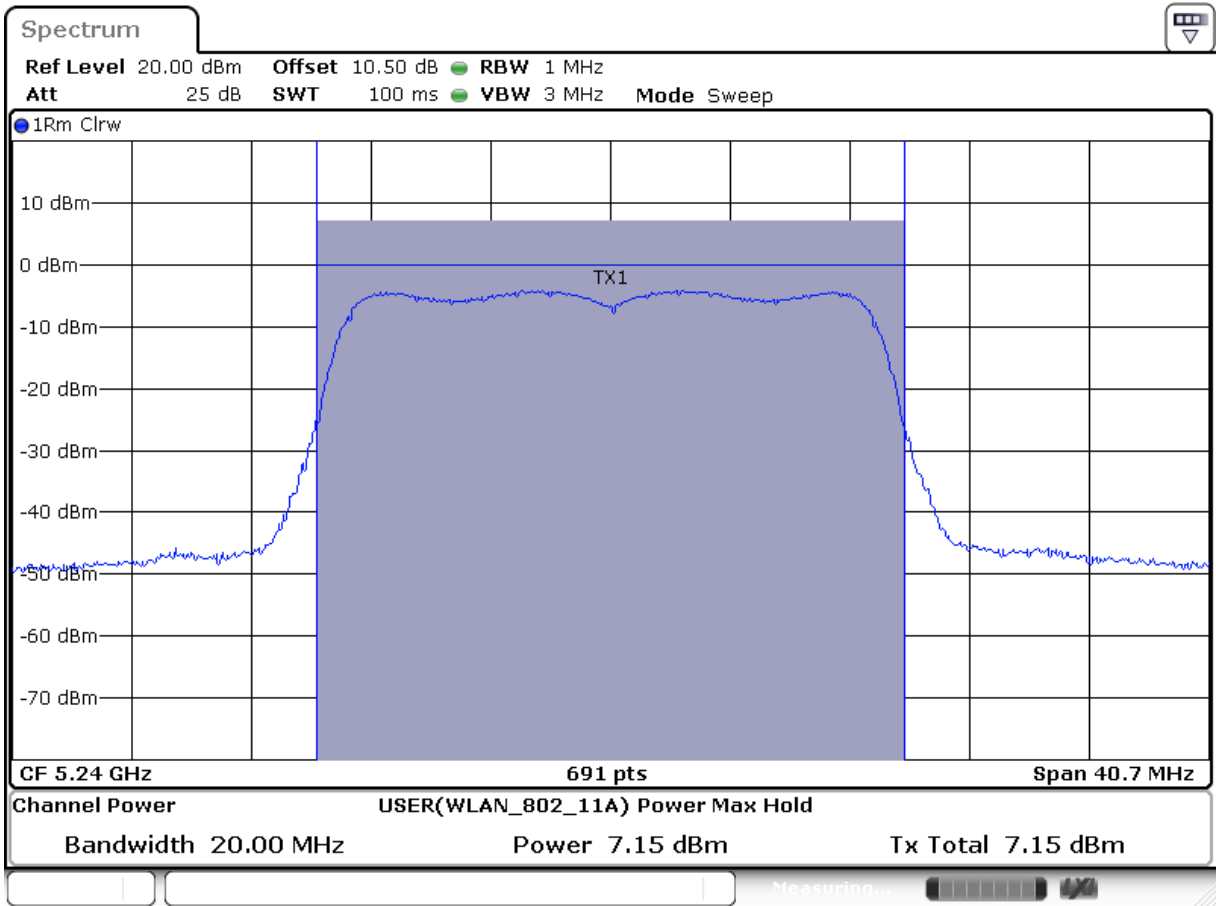
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11n20_Channel 48_Output power		

7.4.2.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.67	6.89	10.88	22.71	-
M	8.69	6.97	10.92	22.71	-
H	8.65	7.15	10.97	22.71	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 24 dBm
3. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm
4. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)
5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.3 調變技術:IEEE 802.11n HT40

7.4.3.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.46	24	Page 76
H	8.43	24	Page 77

註：1. 繪圖資料請參考第 76-77 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2n40_Ant1

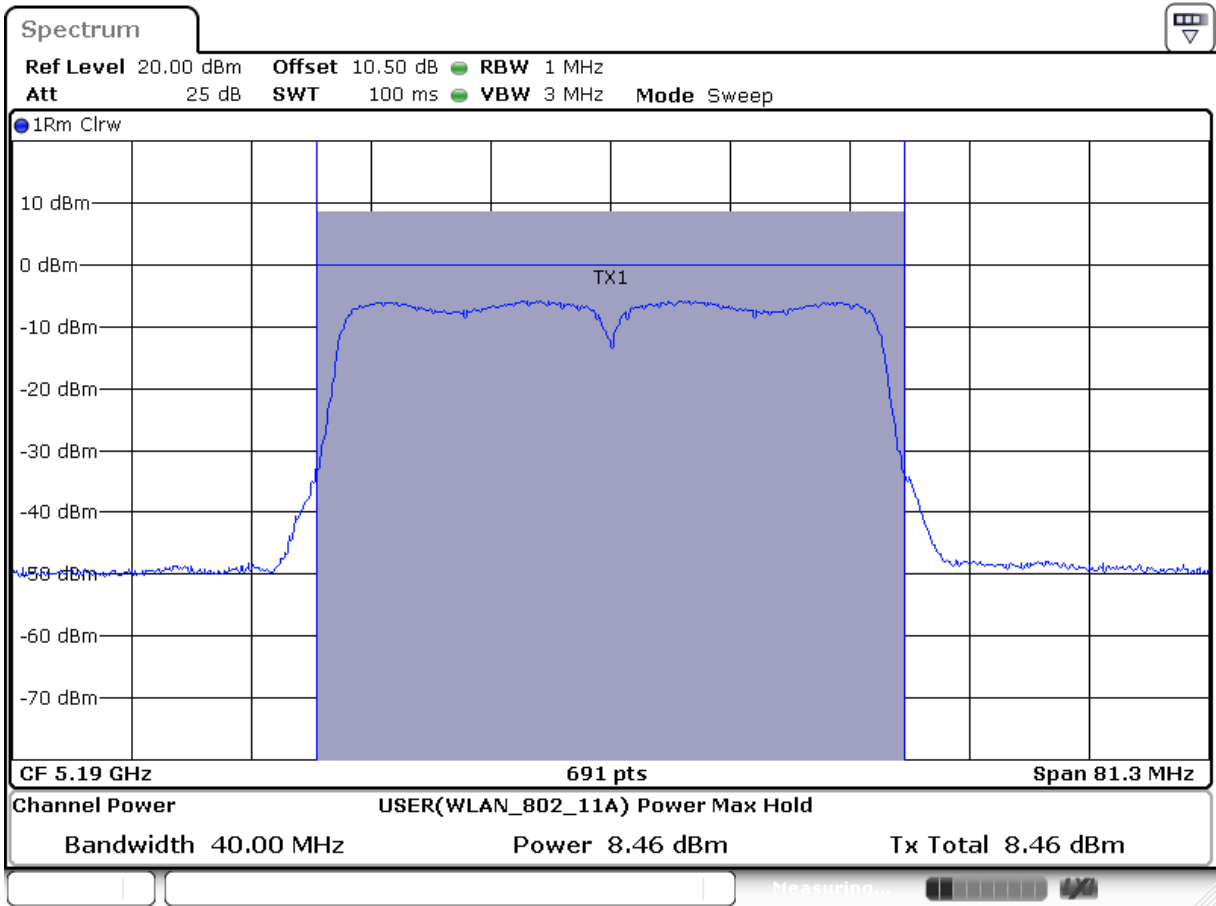
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11n40_Channel 38_Output power		

File: 20-07-MAS-052_5-2n40_Ant1

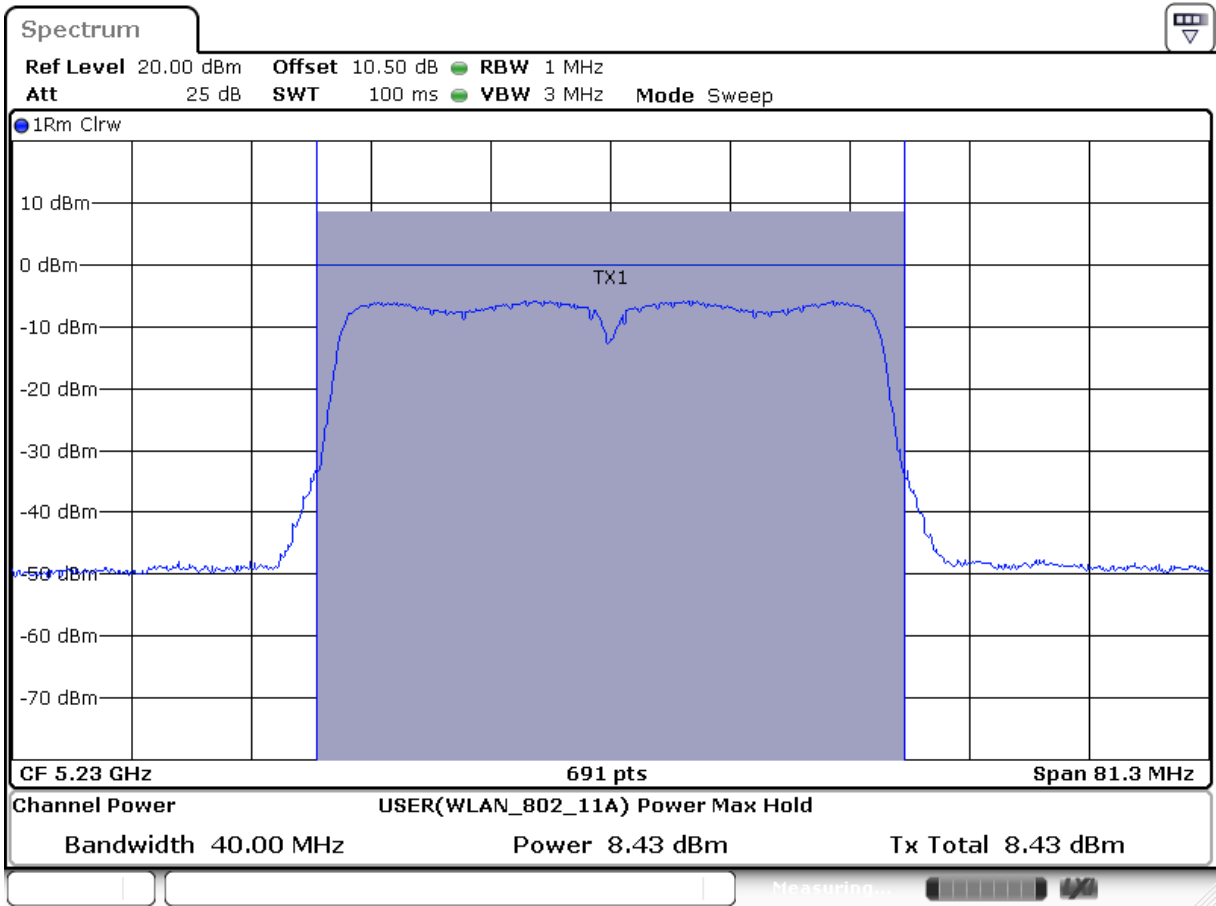
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11n40_Channel 46_Output power		

7.4.3.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Chnnel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	6.76	24.0	Page 79
H	6.90	24.0	Page 80

註：1. 繪圖資料請參考第 79-80 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2n40_Ant2

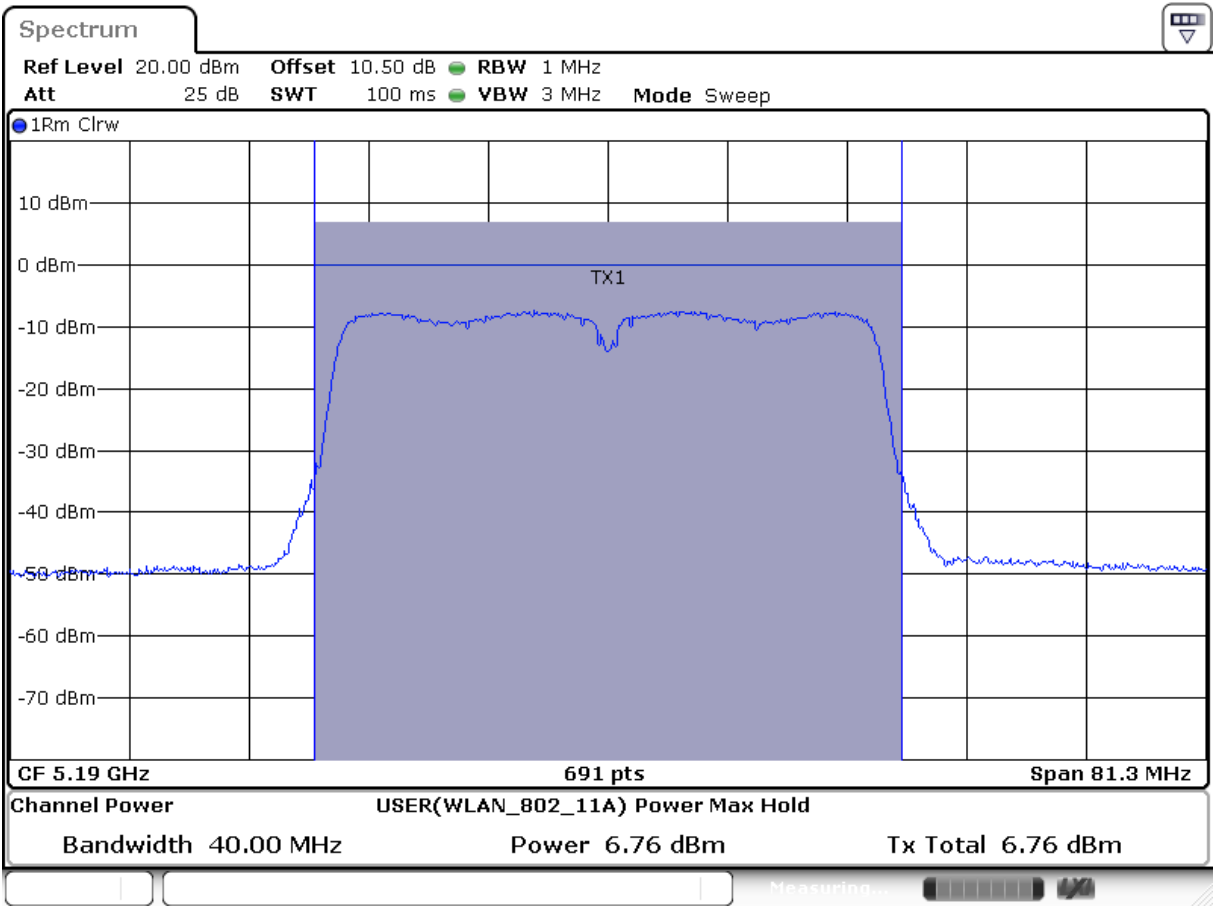
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11n40_Channel 38_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

File: 20-07-MAS-052_5-2n40_Ant2

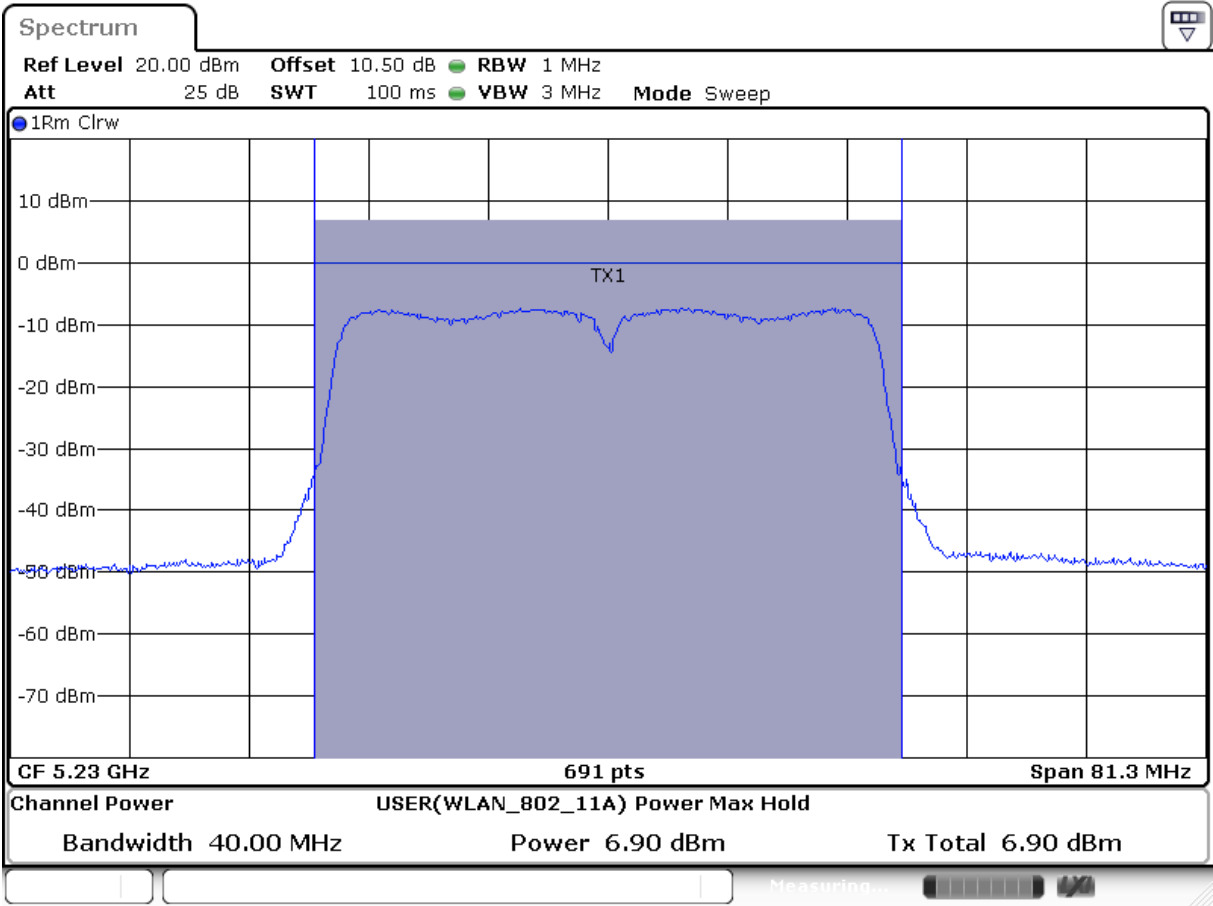
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11n40_Channel 46_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

7.4.3.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.46	6.76	10.70	22.71	-
H	8.43	6.90	10.74	22.71	-

註：

1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
3. Limit = 24dBm
4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm
5. If antenna gain $>$ 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.4 調變技術: IEEE 802.11ac (20MHz)

7.4.4.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Chnnel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.70	24	Page 83
M	8.72	24	Page 84
H	8.65	24	Page 85

註：1. 繪圖資料請參考第 83-85 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit =24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ac20_Ant1

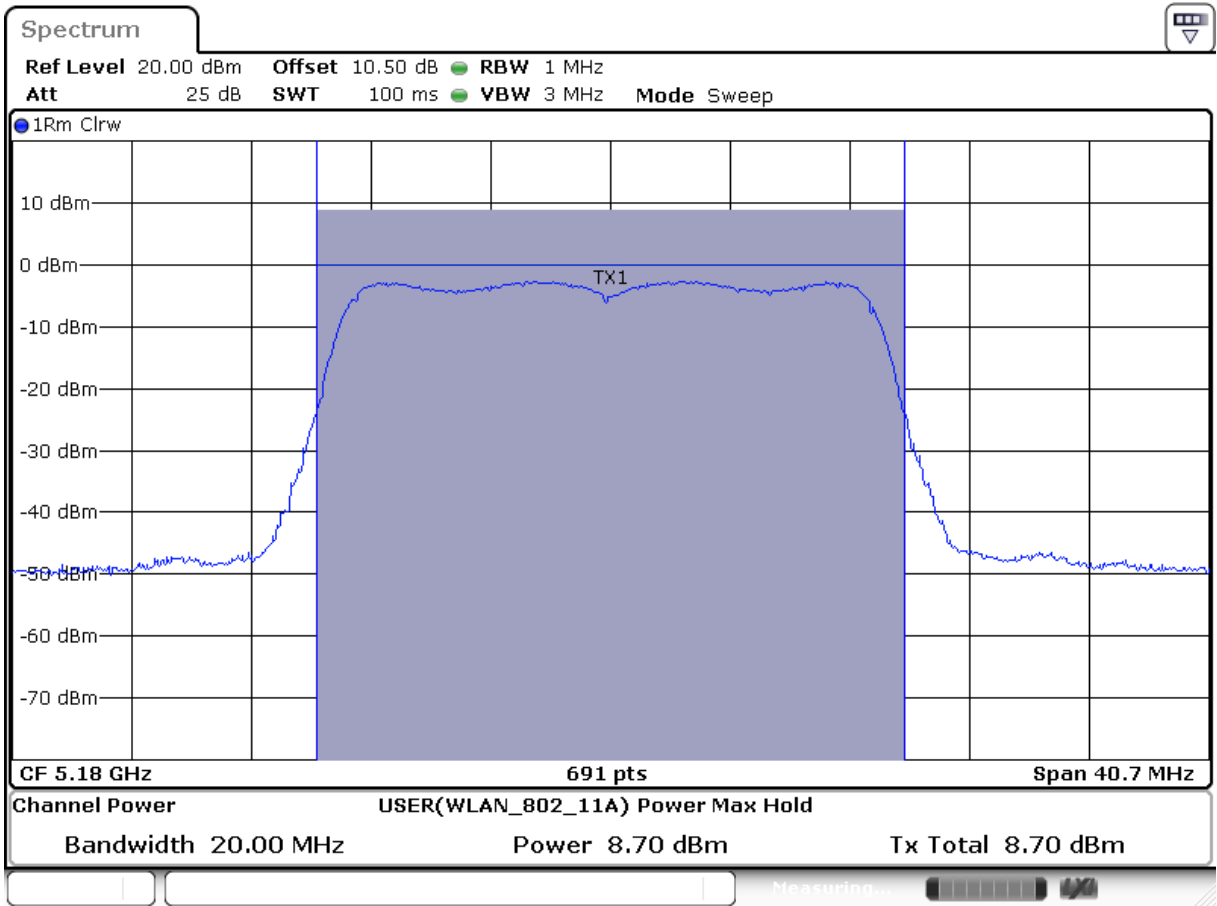
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac20_Channel 36_Output power		

File: 20-07-MAS-052_5-2ac20_Ant1

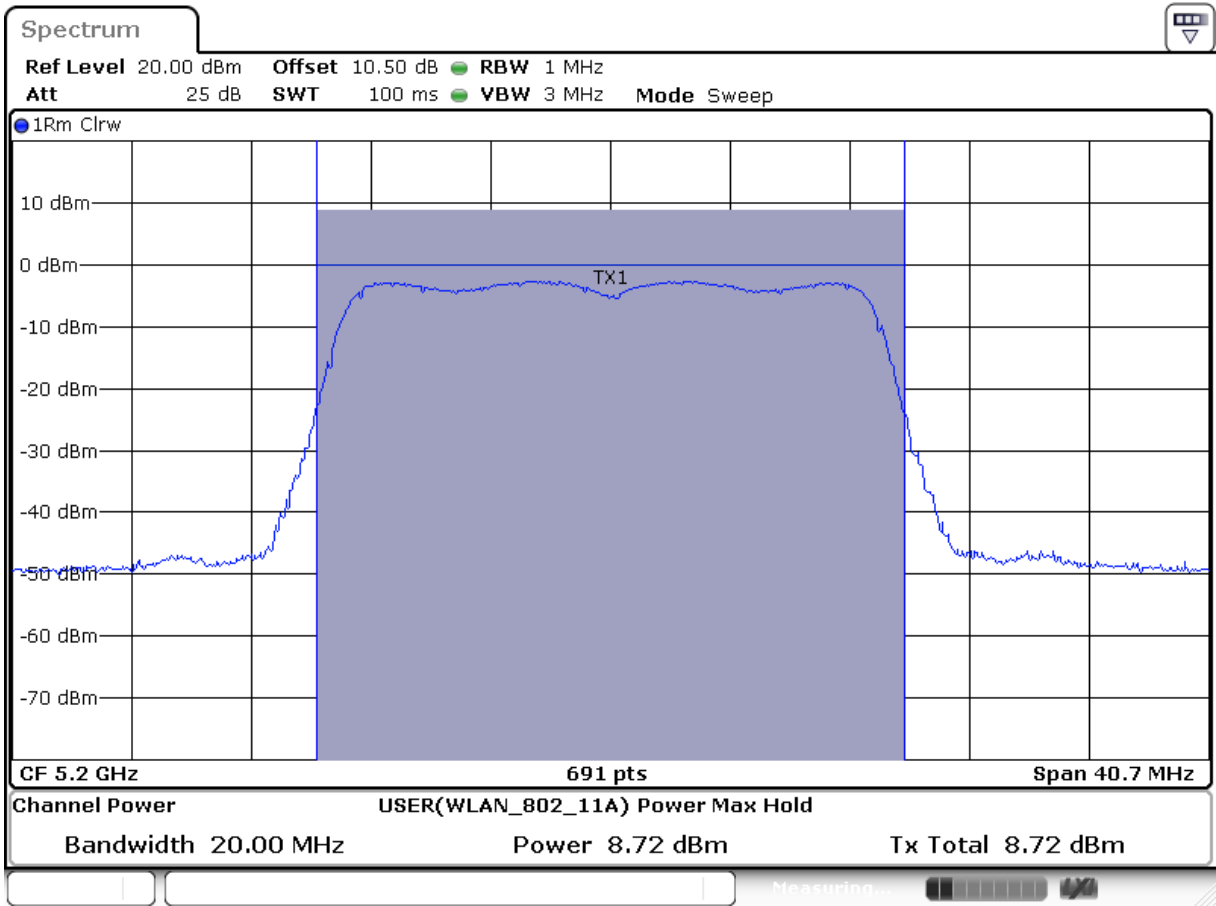
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac20_Channel 40_Output power		

File: 20-07-MAS-052_5-2ac20_Ant1

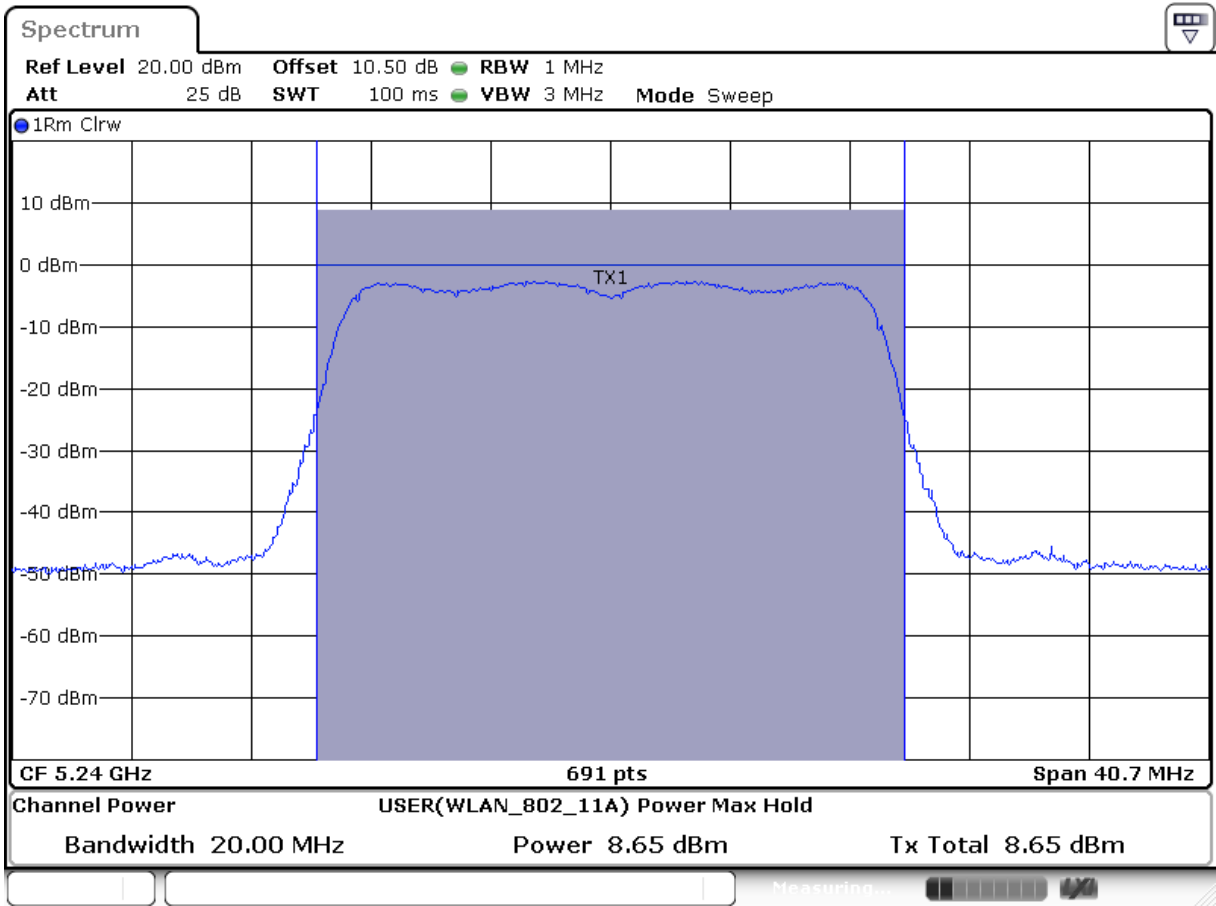
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac20_Channel 48_Output power		

7.4.4.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Chnnel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	6.98	24.0	Page 87
M	7.05	24.0	Page 88
H	7.21	24.0	Page 89

註：1. 繪圖資料請參考第 87-89 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit =24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ac20_Ant2

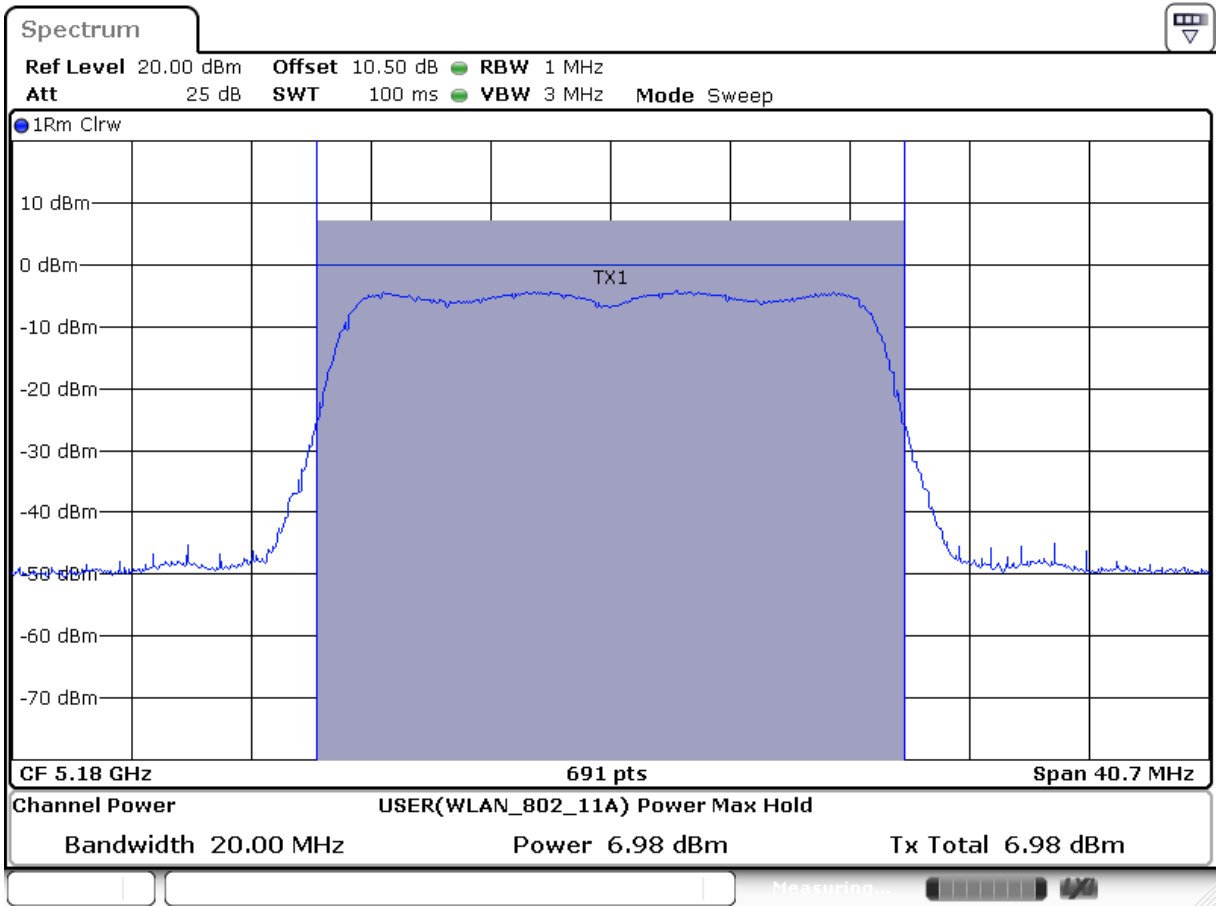
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac20_Channel 36_Output power		

File: 20-07-MAS-052_5-2ac20_Ant2

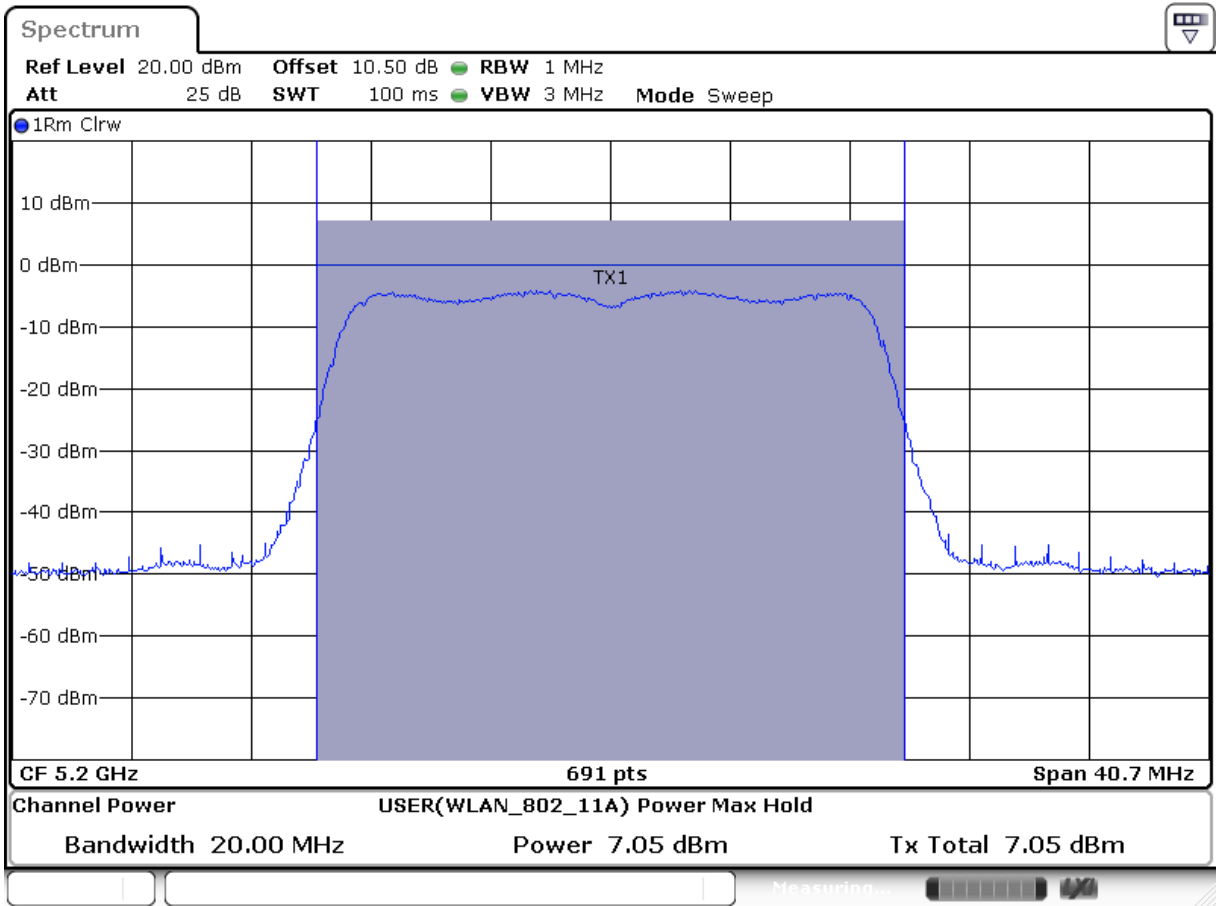
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac20_Channel 40_Output power		

File: 20-07-MAS-052_5-2ac20_Ant2

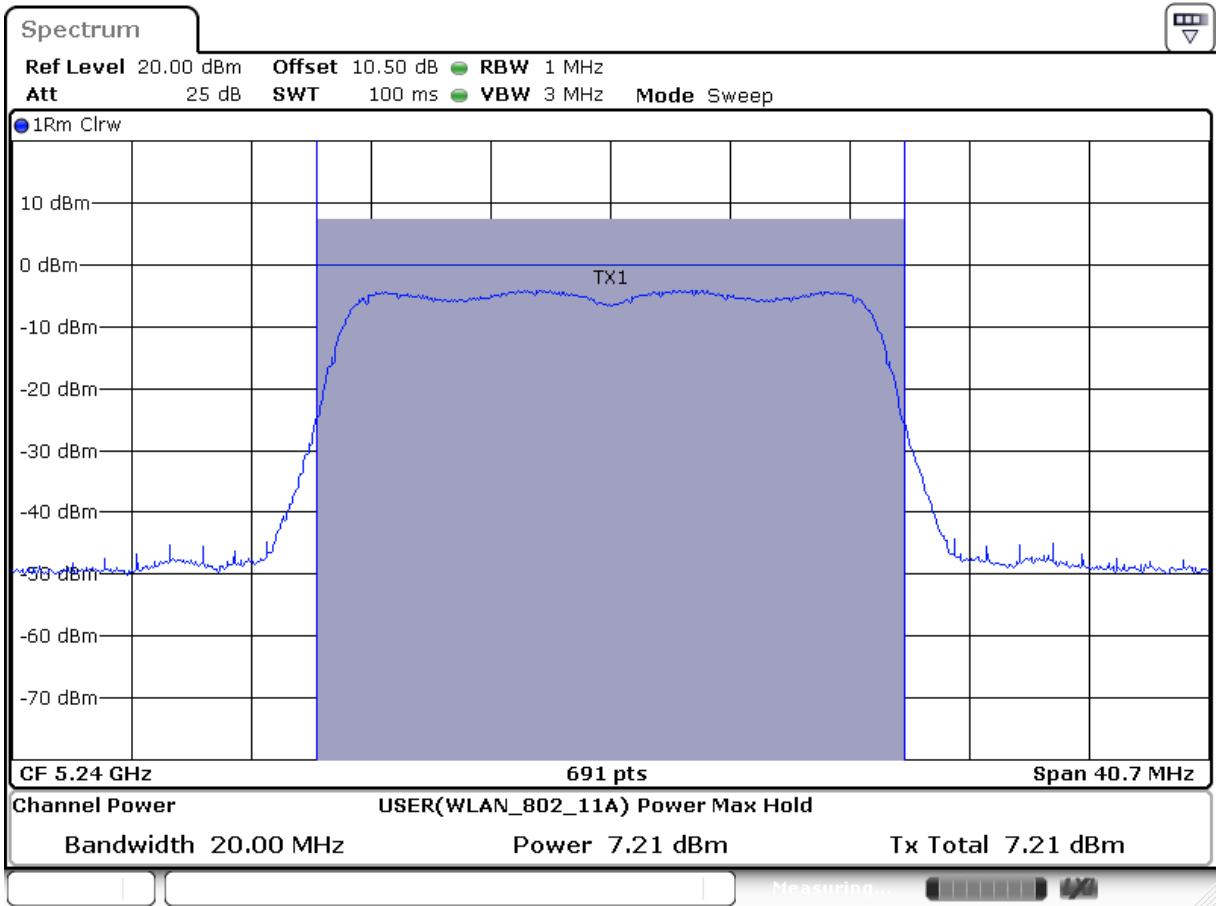
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac20_Channel 48_Output power		

7.4.4.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.70	6.98	10.93	22.71	-
M	8.72	7.05	10.98	22.71	-
H	8.65	7.21	11.00	22.71	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 24 dBm
3. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm
4. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)
5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.5 調變技術: IEEE 802.11ac (40MHz)

7.4.5.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Chnnel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.71	24	Page 92
H	8.56	24	Page 93

註：1. 繪圖資料請參考第 92-93 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ac40_Ant1

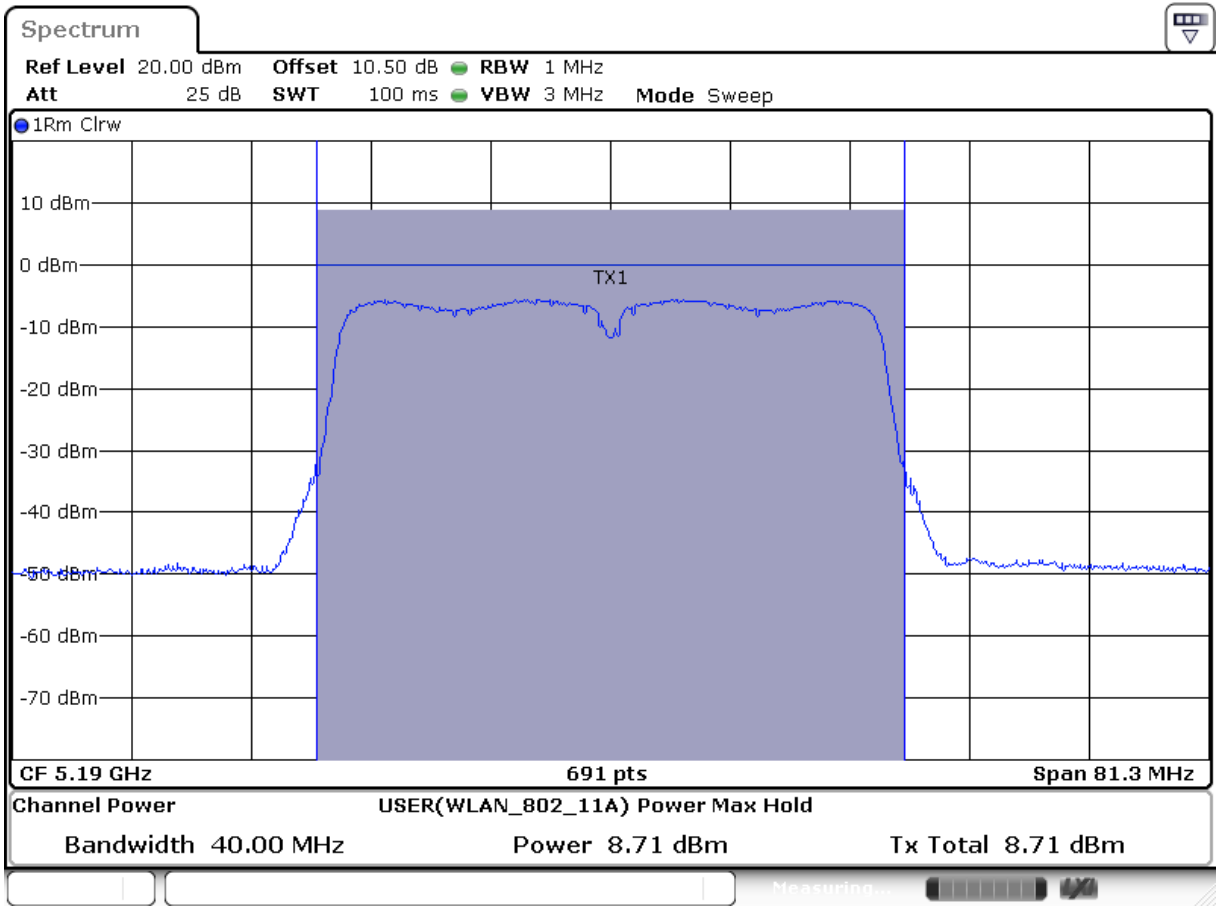
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac40_Channel 38_Output power		

File: 20-07-MAS-052_5-2ac40_Ant1

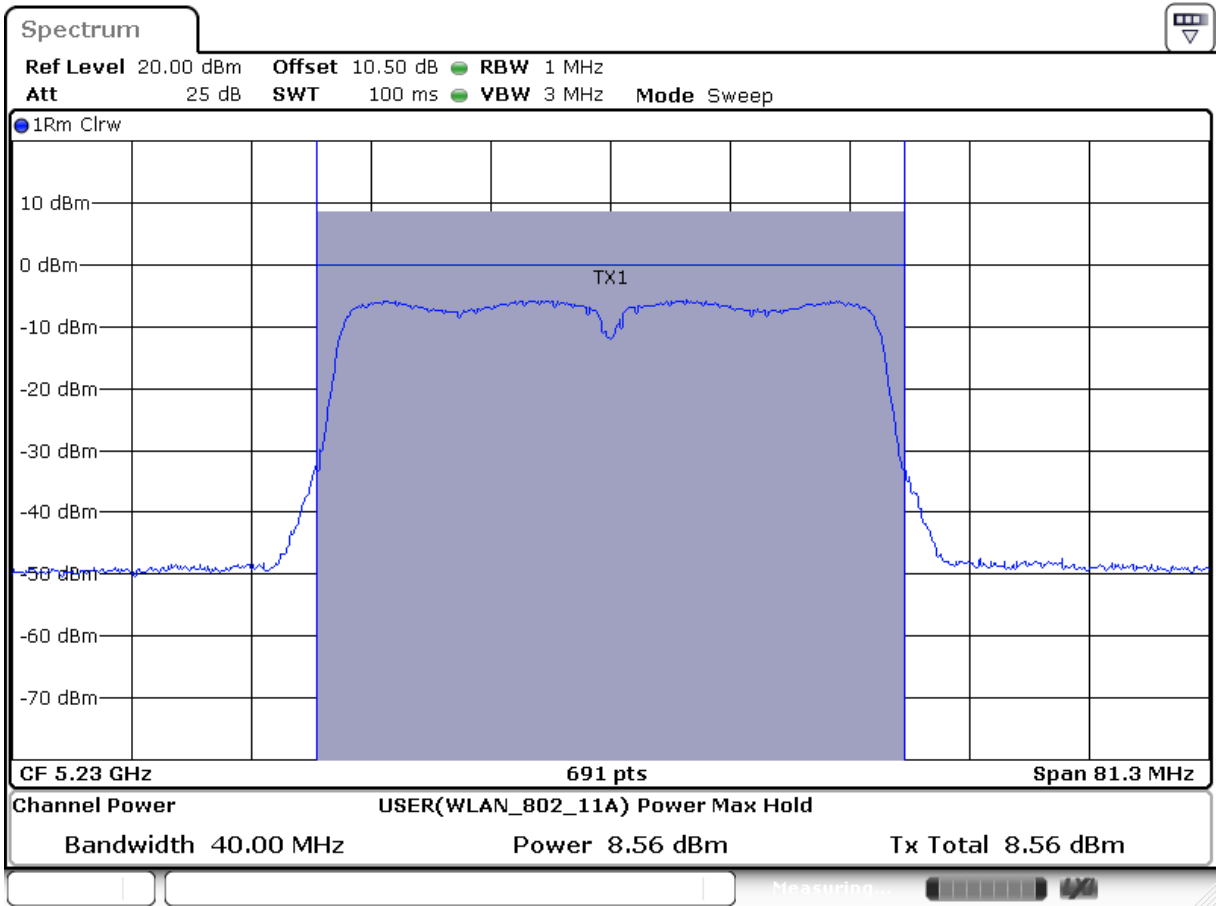
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac40_Channel 46_Output power		

7.4.5.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Chnnel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	6.86	24.0	Page 95
H	6.93	24.0	Page 96

註：1. 繪圖資料請參考第 95-96 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit =24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ac40_Ant2

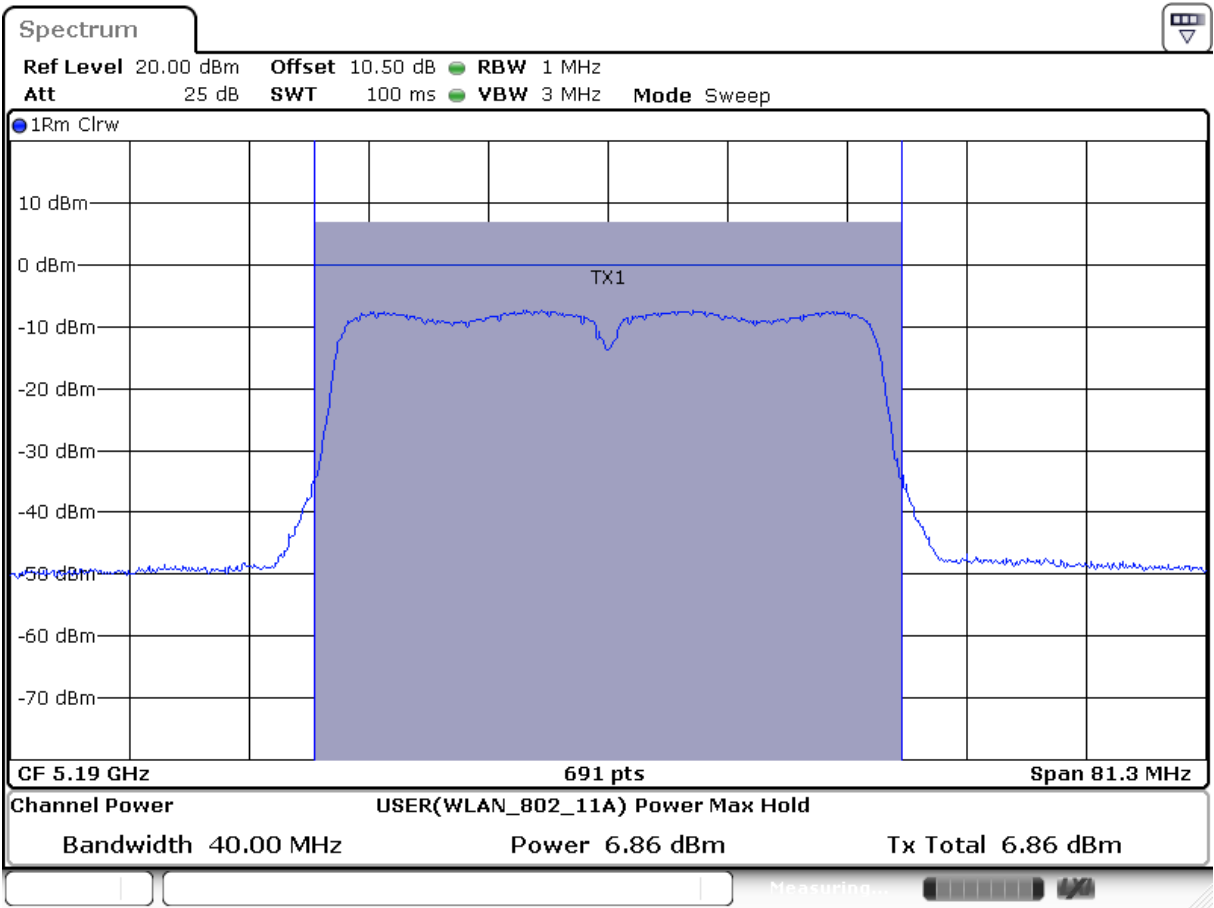
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac40_Channel 38_Output power		

File: 20-07-MAS-052_5-2ac40_Ant2

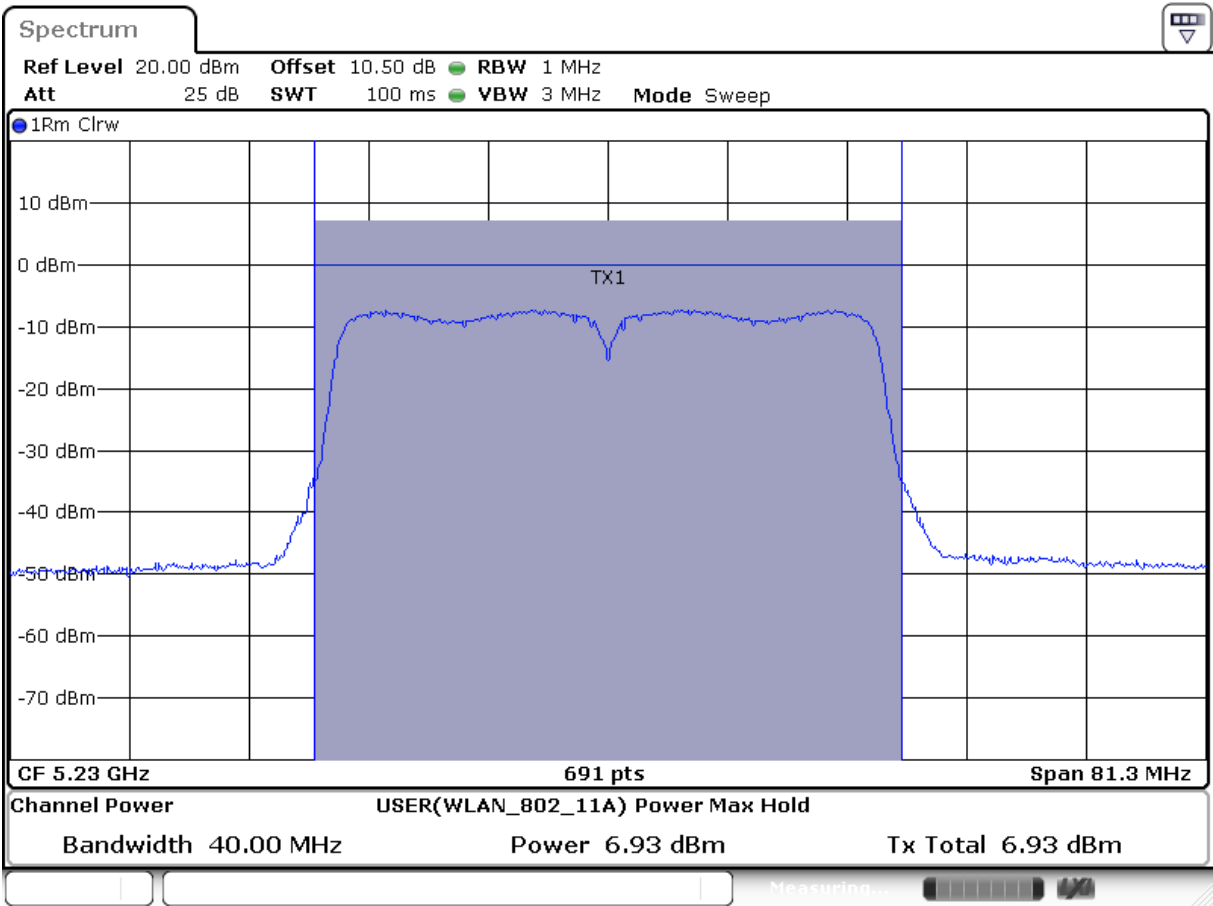
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ac40_Channel 46_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

7.4.5.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.71	6.86	10.89	22.71	-
H	8.56	6.93	10.83	22.71	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
 2. Fixed Limit = 24 dBm
 3. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm
 4. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)
 5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.6 調變技術: IEEE 802.11ac (80MHz)

7.4.6.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi , NCC Limit 如下表所示:

Chnnel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.7	24	Page 99

註: 1. 繪圖資料請參考第 99 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit=24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ac80_Ant1

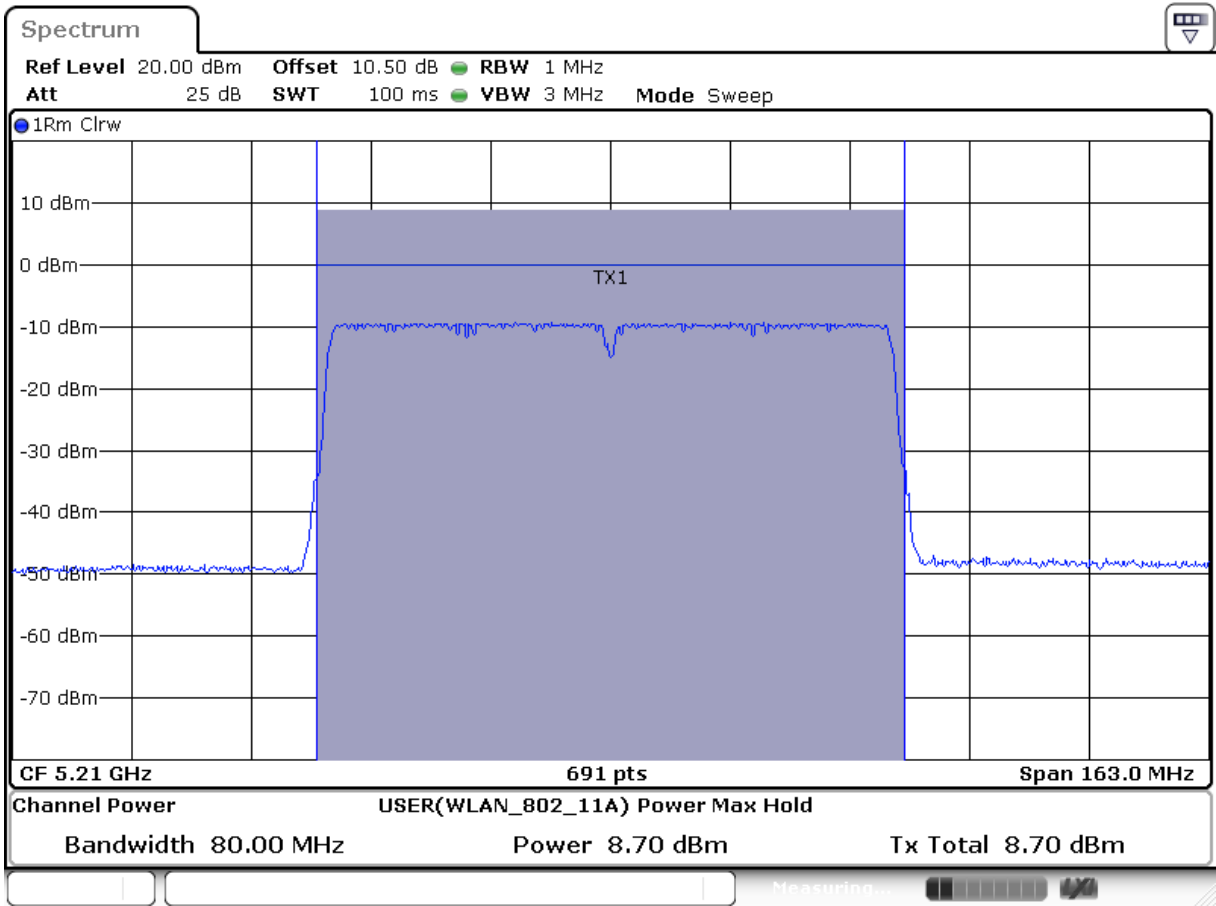
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac40_Channel 42_Output power		

7.4.6.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Chnnel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	6.98	24.0	Page 101

註：1. 繪圖資料請參考第 101 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit=24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ac80_Ant2

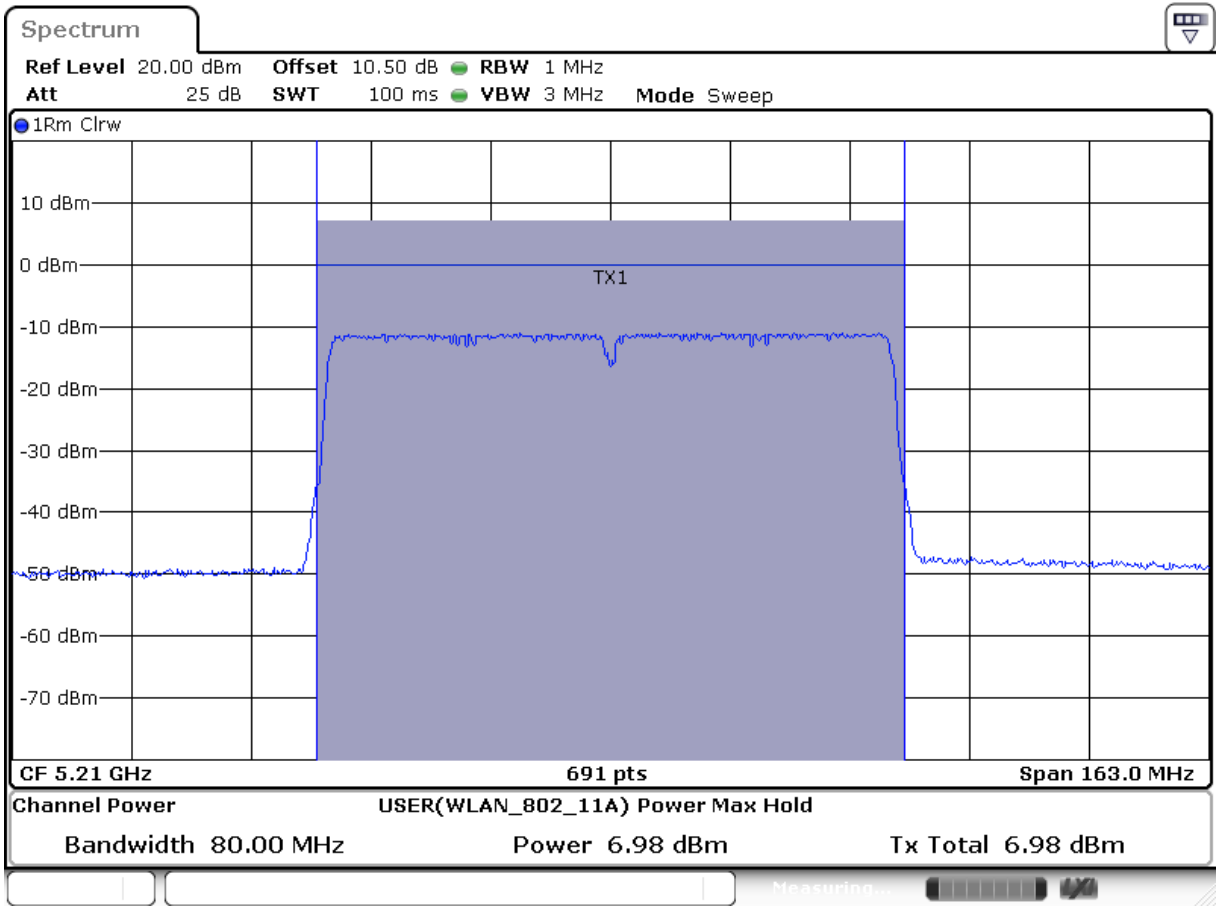
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac40_Channel 42_Output power		

7.4.6.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.70	6.98	10.93	22.71	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
 2. Fixed Limit = 24 dBm
 3. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm
 4. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)
 5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.7 調變技術: IEEE 802.11ax (20MHz)

7.4.7.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi , NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.97	24	Page 104
M	8.98	24	Page 105
H	8.92	24	Page 106

註：1. 繪圖資料請參考第 104-106 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit =24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ax20_Ant1

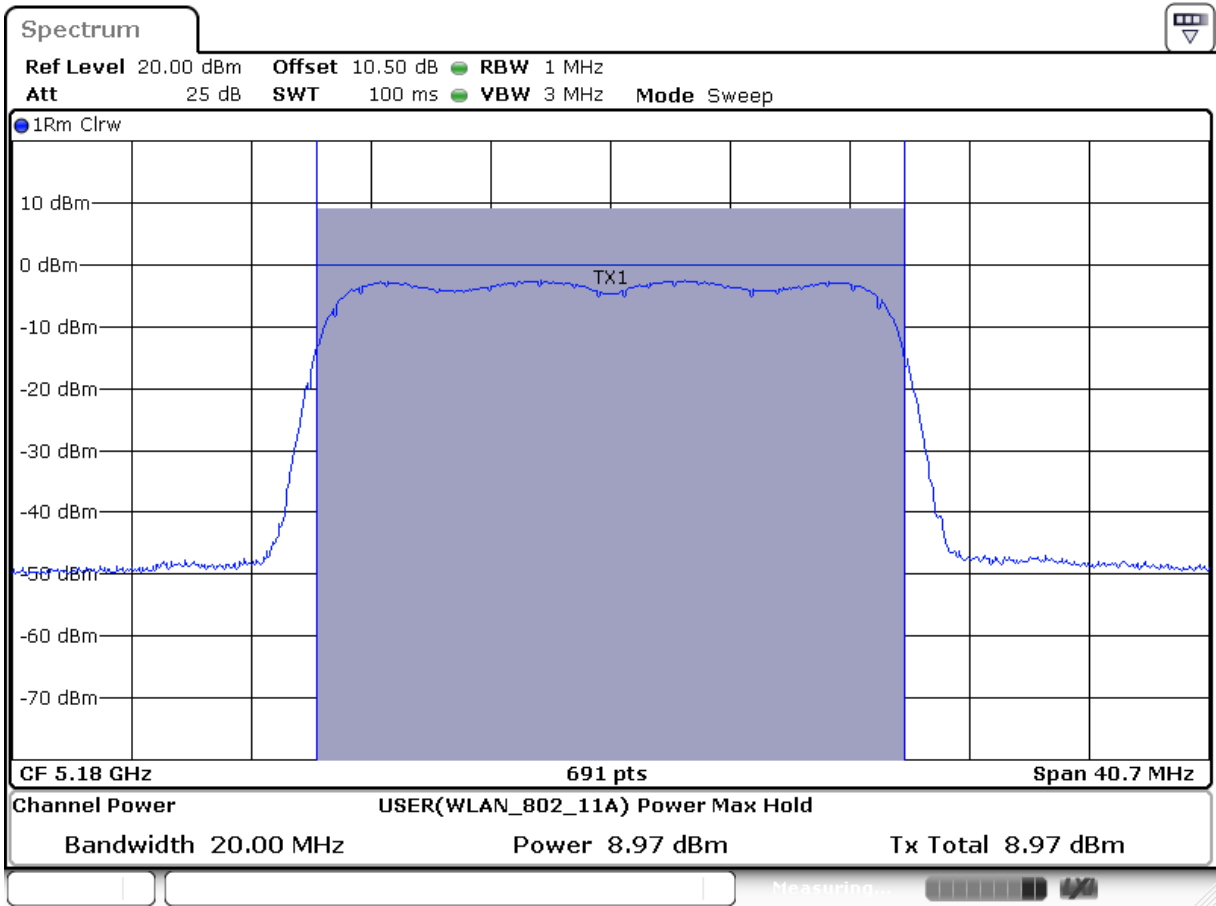
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20_Channel 36_Output power		

File: 20-07-MAS-052_5-2ax20_Ant1

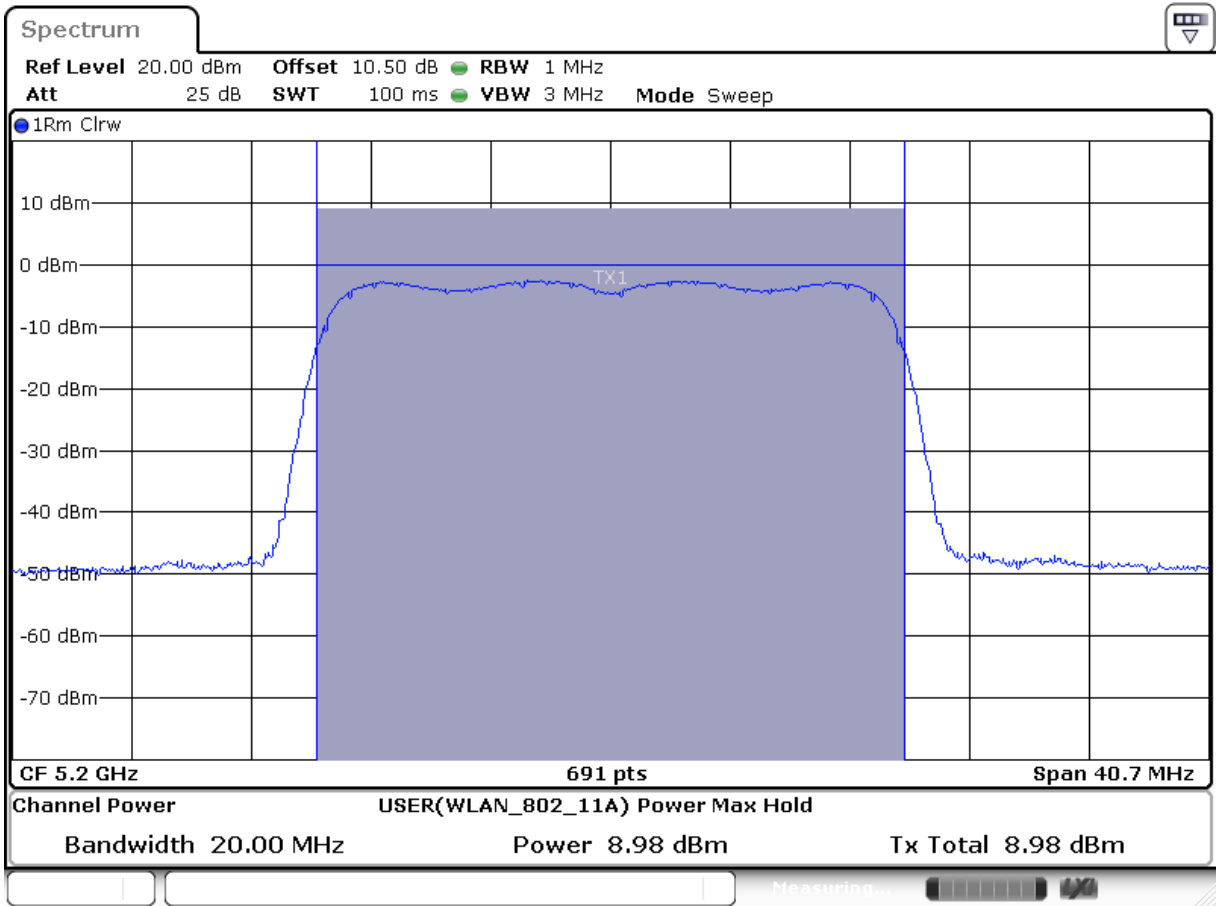
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20_Channel 40_Output power		

File: 20-07-MAS-052_5-2ax20_Ant1

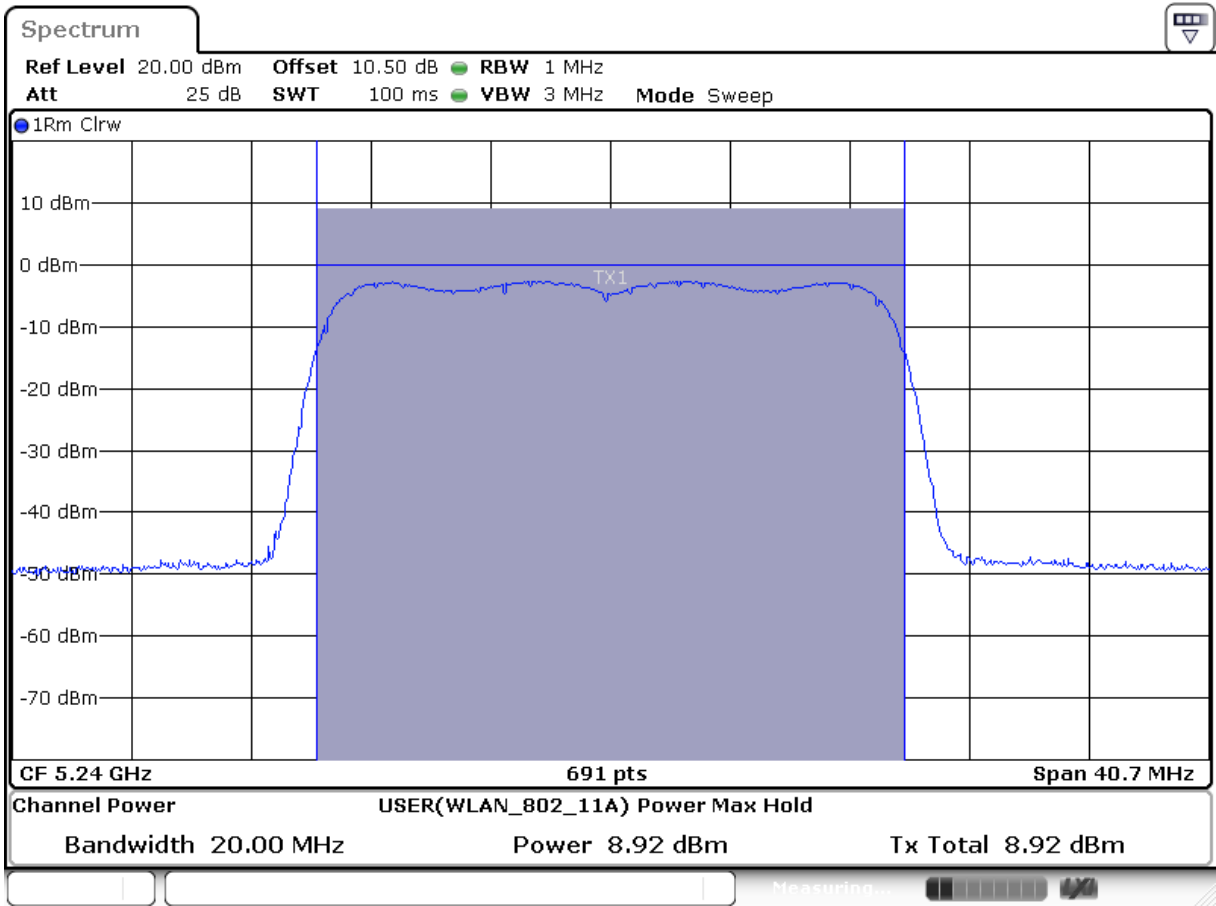
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20_Channel 48_Output power		

7.4.7.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.13	24.0	Page 108
M	7.24	24.0	Page 109
H	7.40	24.0	Page 110

註：1. 繪圖資料請參考第 108-110 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ax20_Ant2

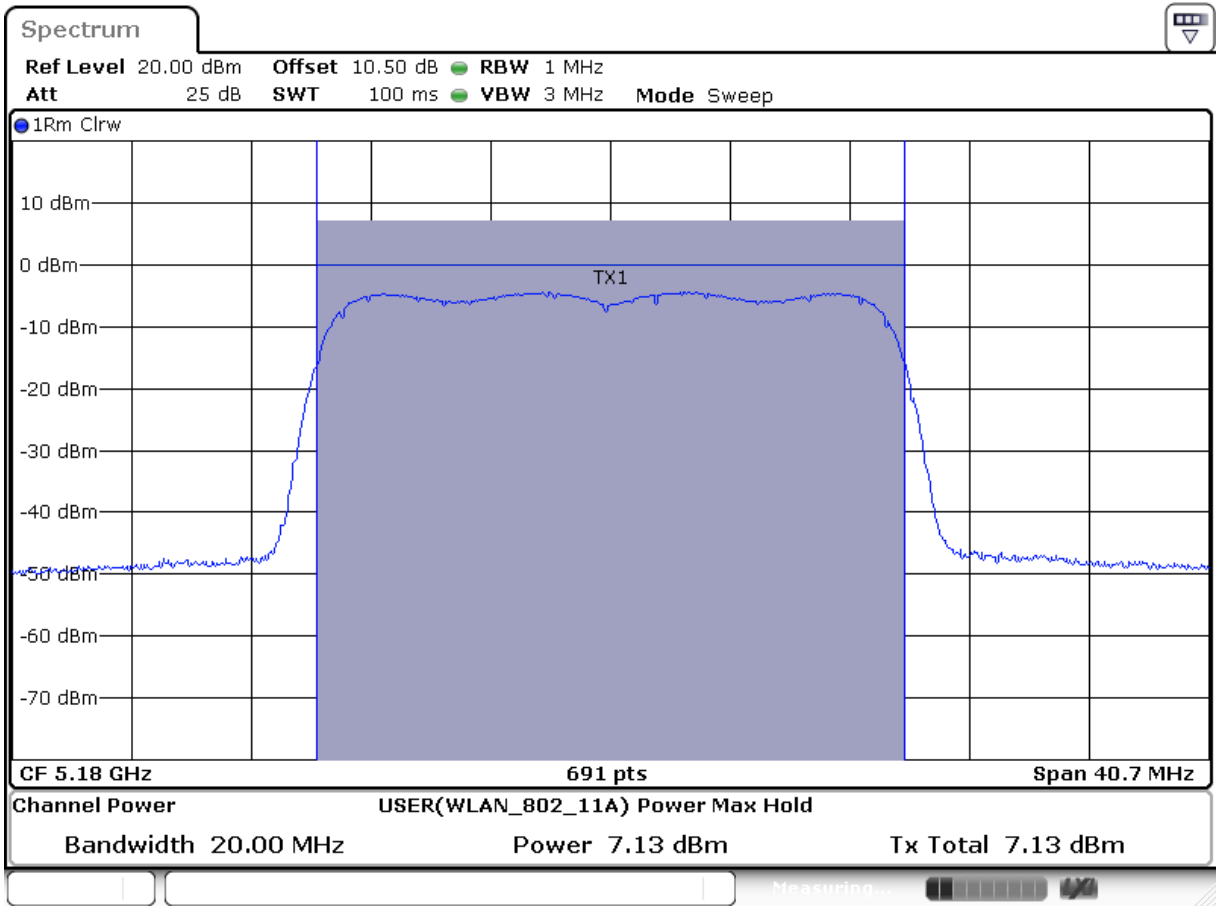
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20_Channel 36_Output power		

File: 20-07-MAS-052_5-2ax20_Ant2

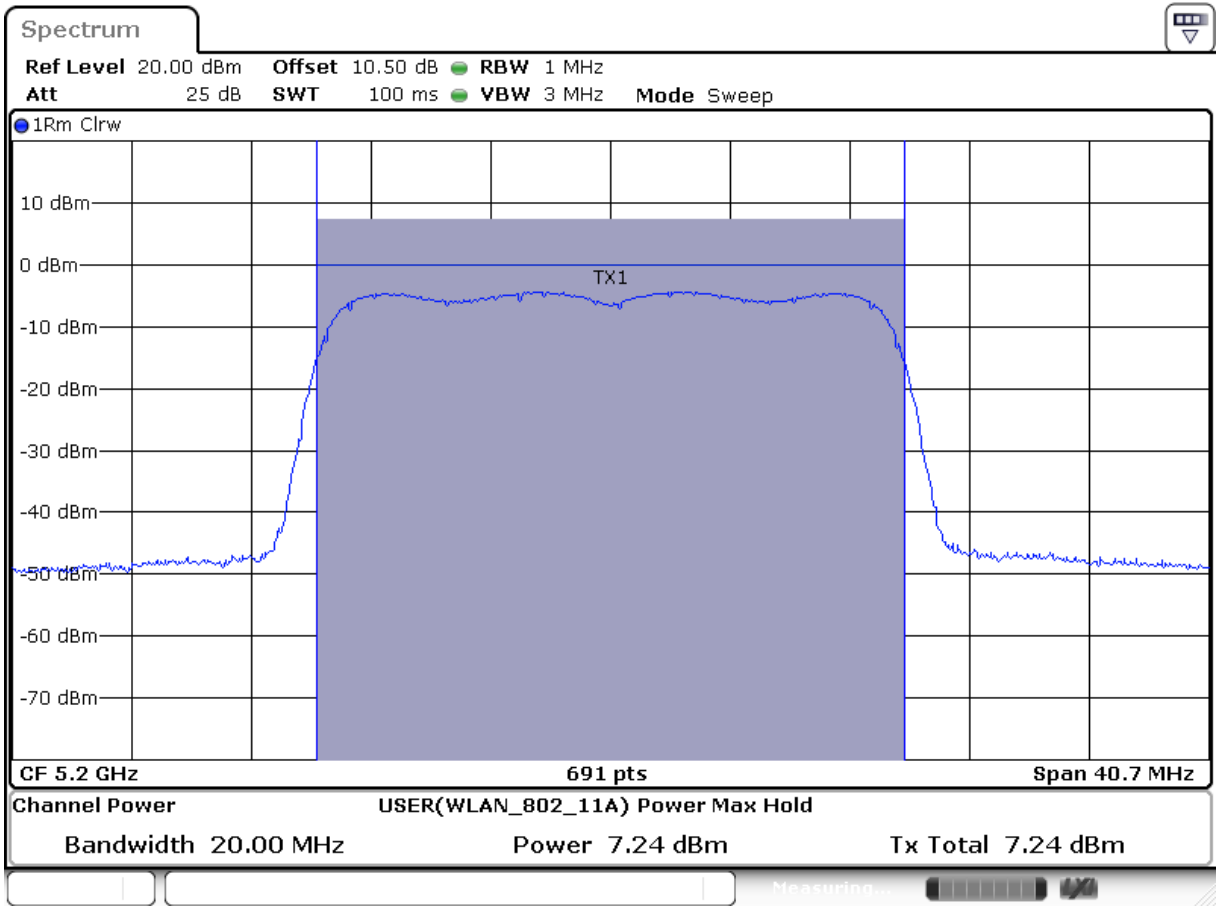
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20_Channel 40_Output power		

File: 20-07-MAS-052_5-2ax20_Ant2

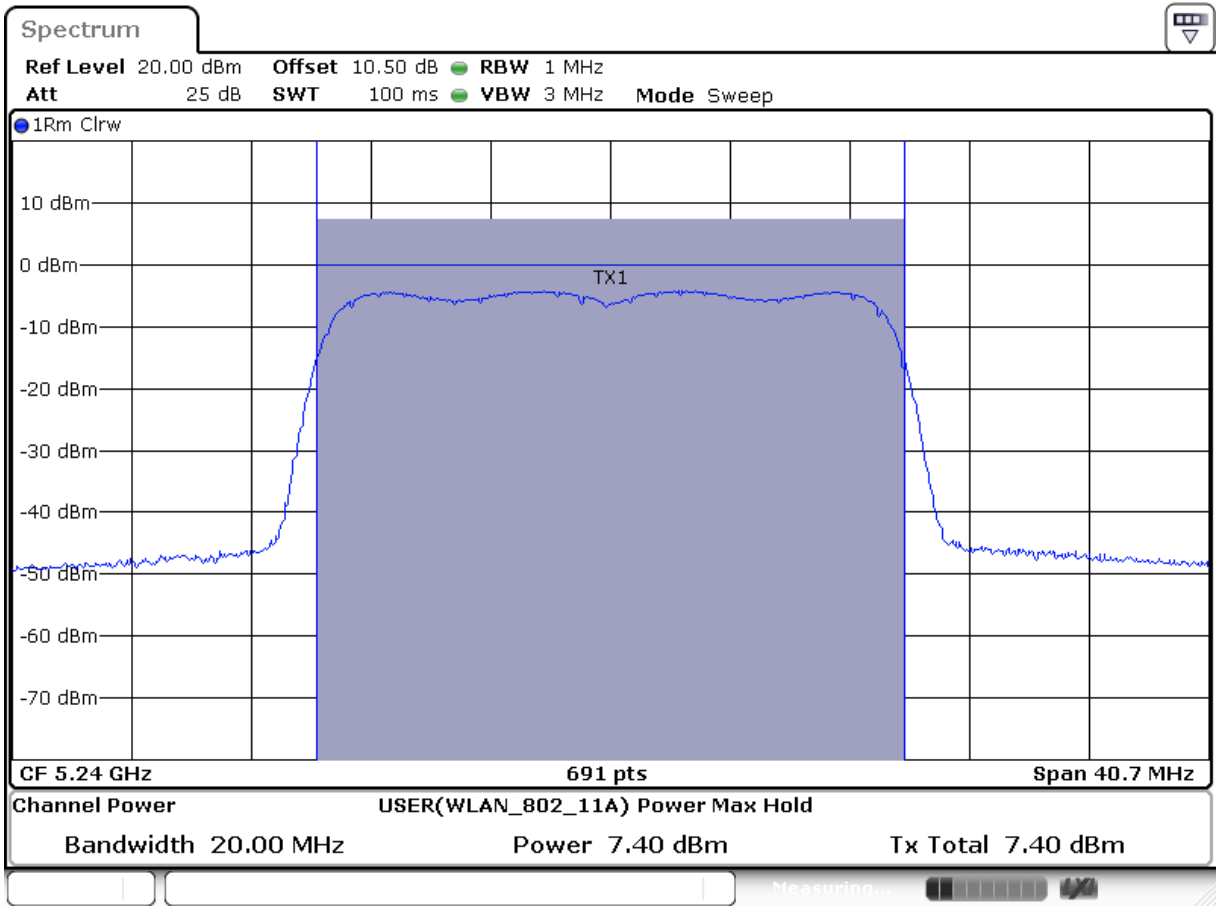
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax20_Channel 48_Output power		

7.4.7.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.97	7.13	11.16	22.71	-
M	8.98	7.24	11.21	22.71	-
H	8.92	7.40	11.24	22.71	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 24 dBm
3. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm
4. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)
5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.8 調變技術: IEEE 802.11ax (40MHz)

7.4.8.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.78	24	Page 113
H	8.74	24	Page 114

註：1. 繪圖資料請參考第 113-114 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ax40_Ant1

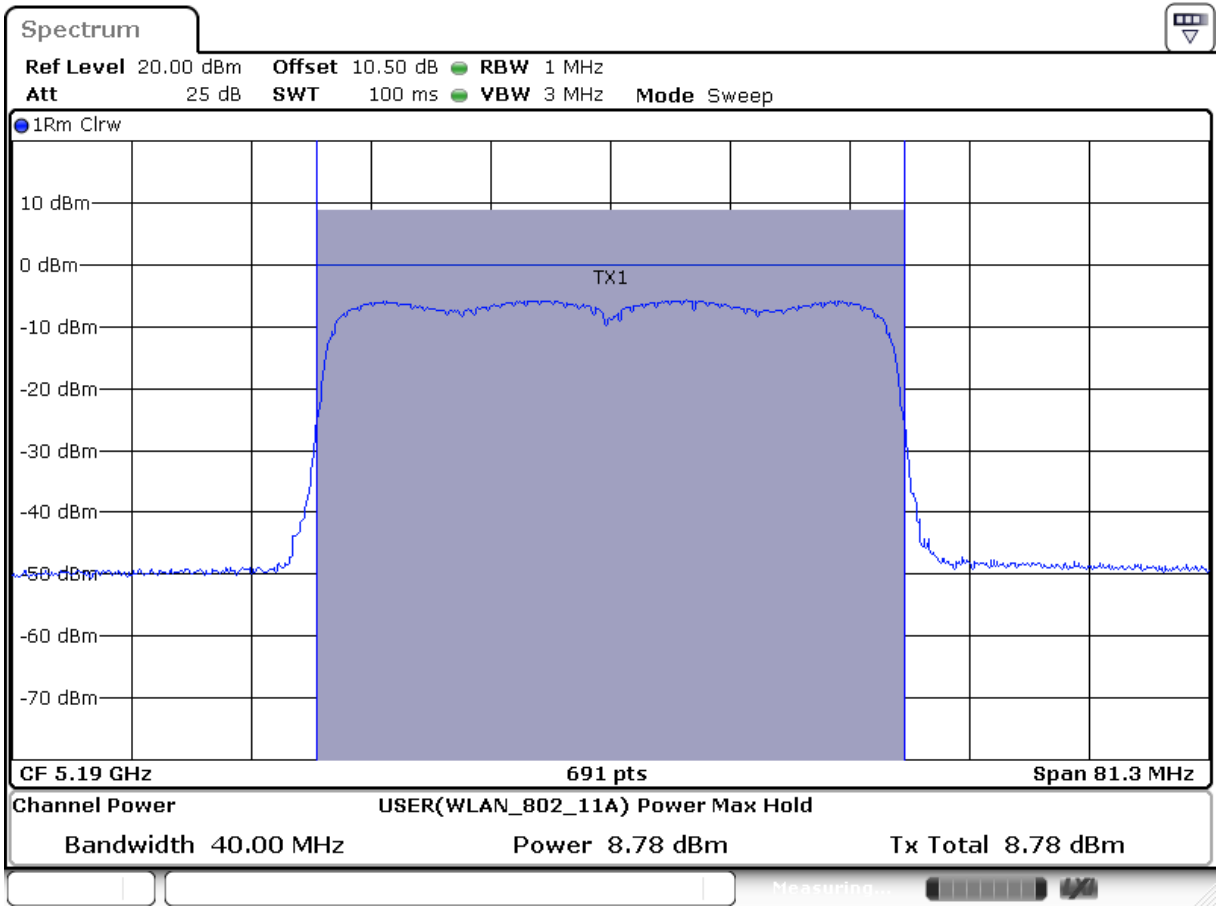
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax40_Channel 38_Output power		

File: 20-07-MAS-052_5-2ax40_Ant1

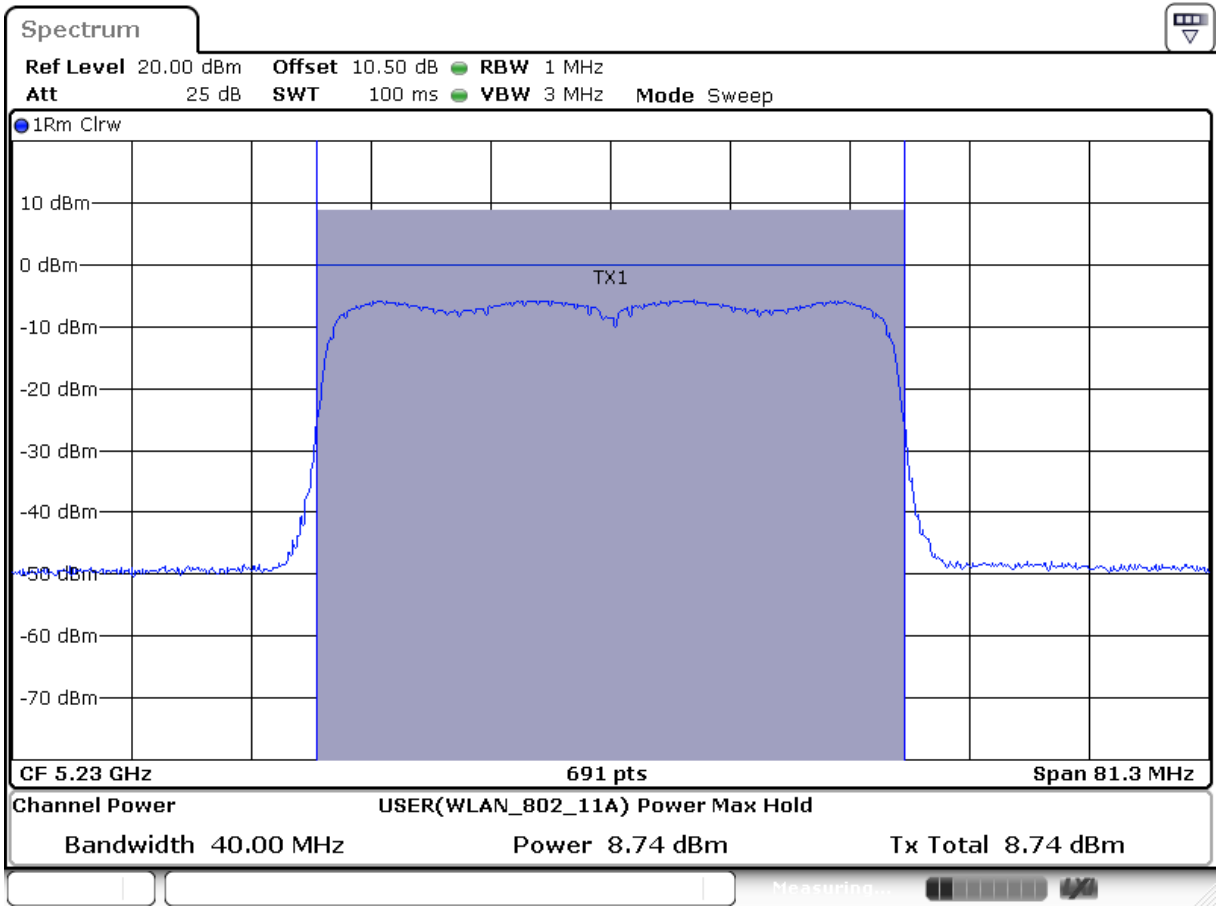
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax40_Channel 46_Output power		

7.4.8.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	6.99	24.0	Page 116
H	7.21	24.0	Page 117

註：1. 繪圖資料請參考第 116-117 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit = 24 dBm

4. If antenna gain $\leq$ 6 dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6 dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: ± 1.5 dB ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ax40_Ant2

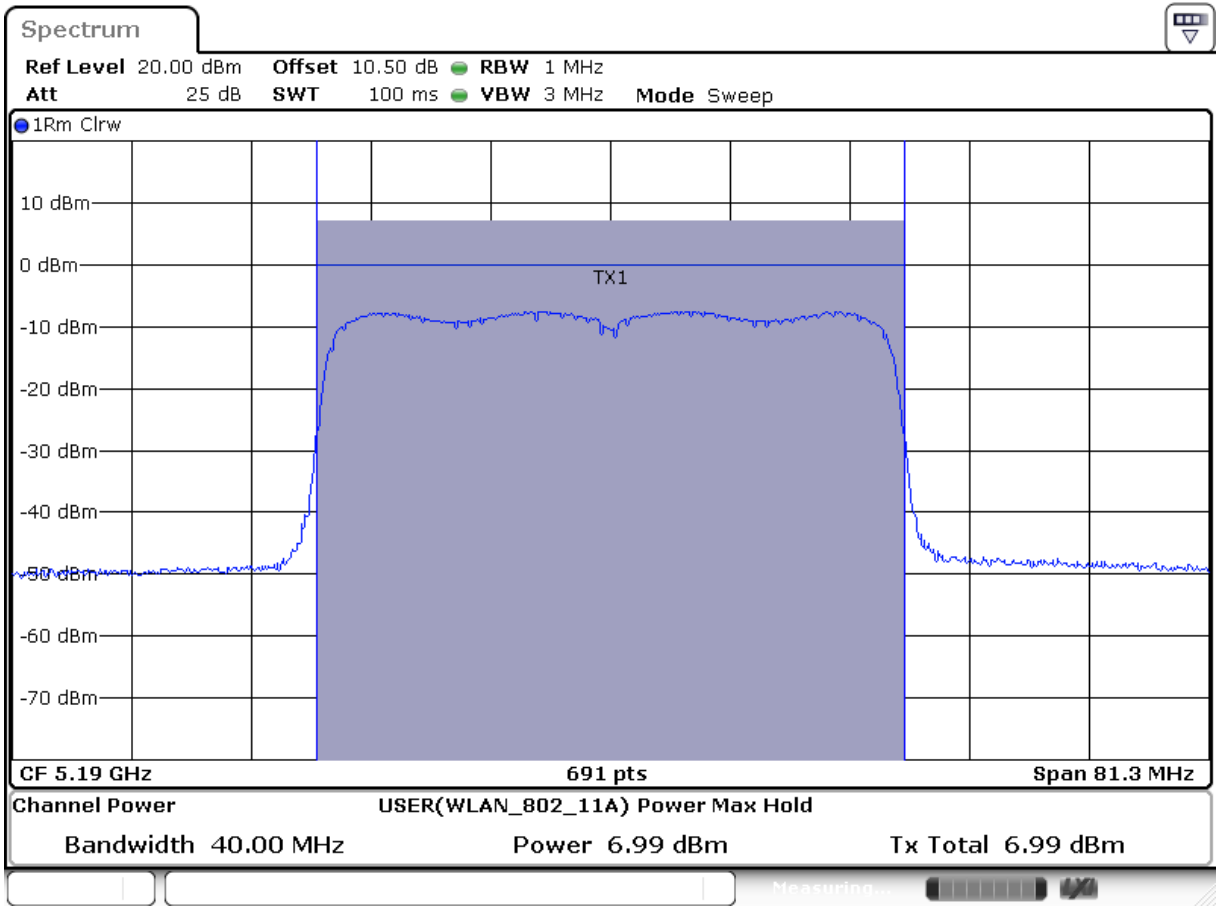
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax40_Channel 38_Output power		

File: 20-07-MAS-052_5-2ax40_Ant2

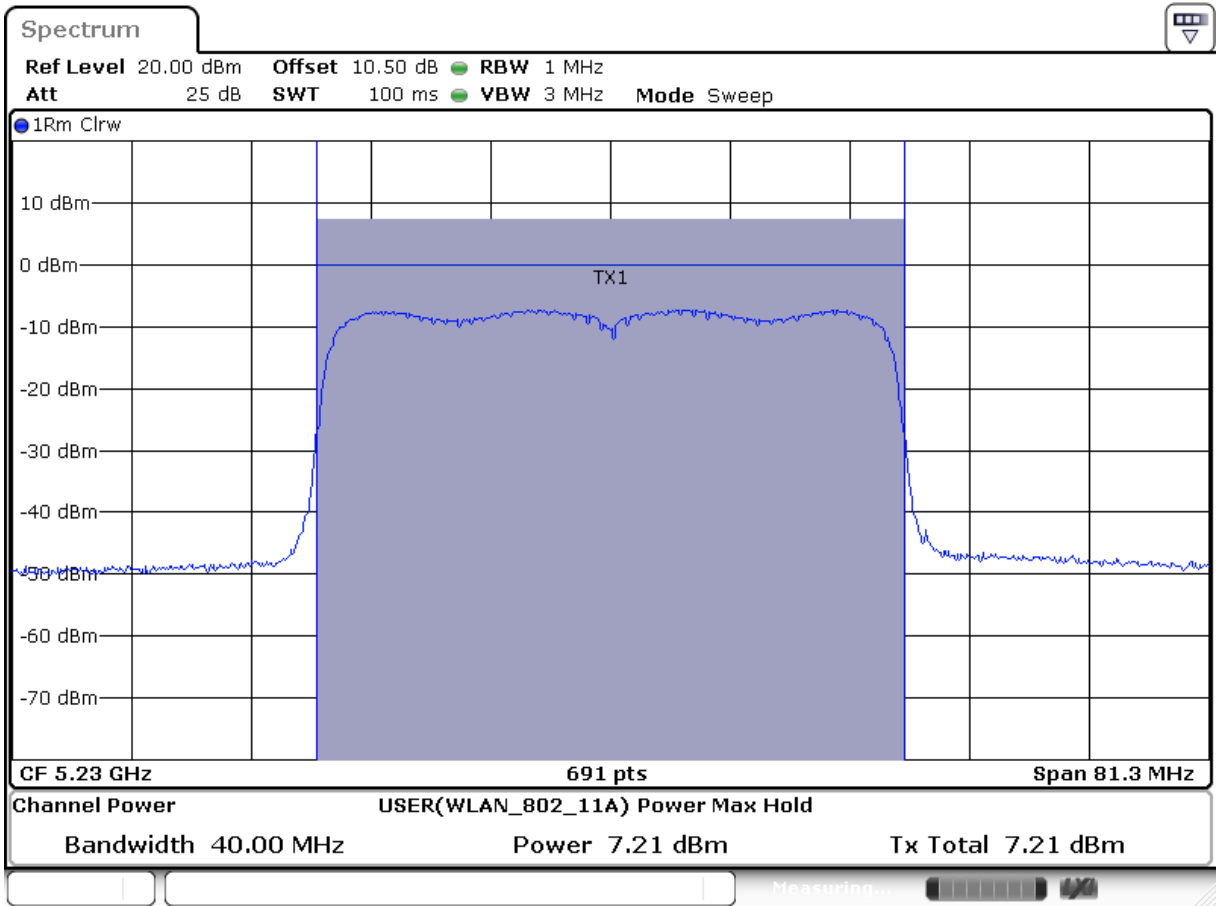
#8

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ax40_Channel 46_Output power		

7.4.8.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.78	6.99	10.99	22.71	-
H	8.74	7.21	11.05	22.71	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 24 dBm
3. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm
4. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)
5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.9 調變技術: IEEE 802.11ax (80MHz)

7.4.9.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi , NCC Limit 如下表所示:

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	9.0	24	Page 120

註: 1. 繪圖資料請參考第 120 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit=24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ax80_Ant1

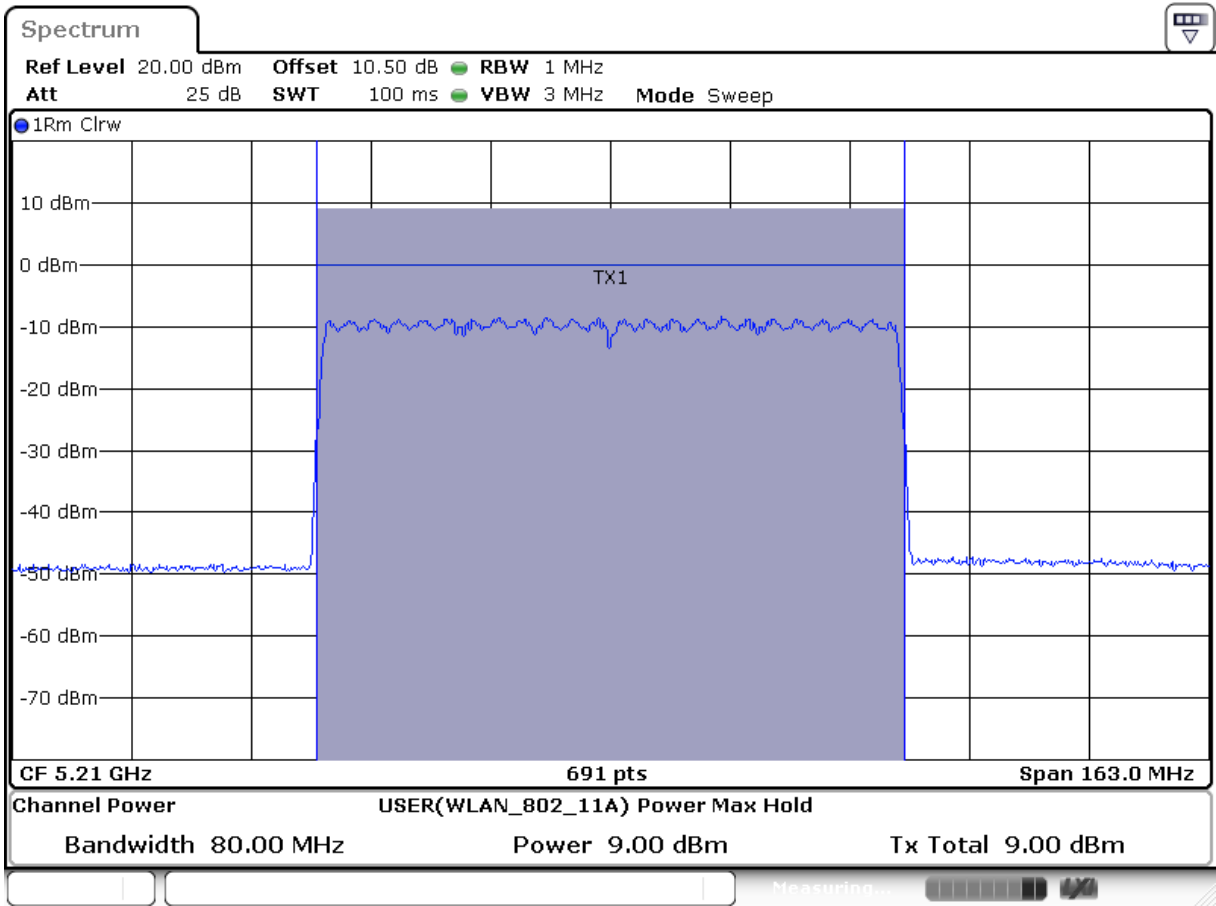
#11

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac40_Channel 42_Output power		

7.4.9.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.14	24.0	Page 122

註：1. 繪圖資料請參考第 122 頁。

2. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

3. Limit=24dBm

4. If antenna gain $\leq$ 6dBi, NCC Limit = (Limit) dBm

5. If antenna gain > 6dBi, NCC Limit = (Limit) dBm – (highest antenna gain – 6 dBi)

6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ax80_Ant2

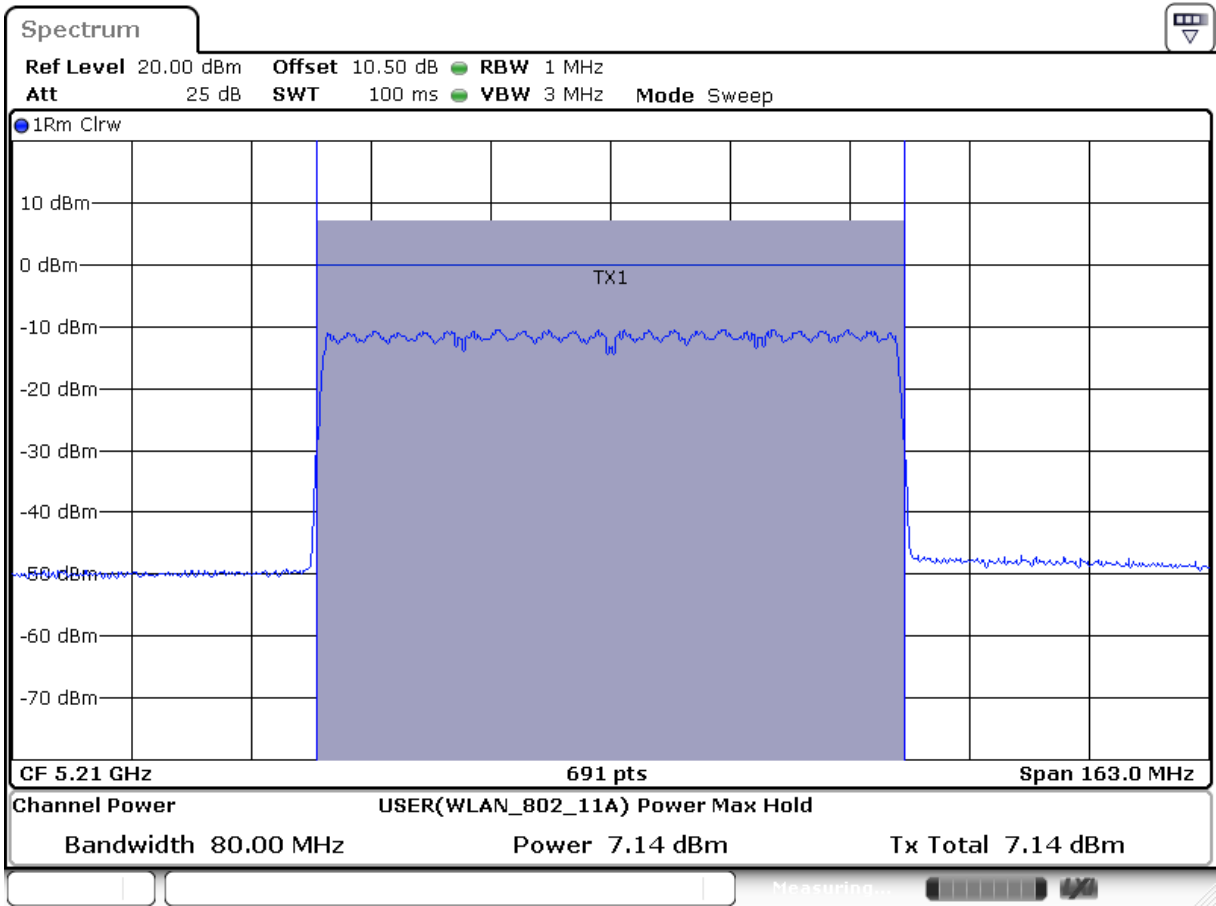
#1

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:		RF Conducted	
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms	Att.: 25dB
Model:	CFI-1018A	RBW: 1000 KHz	VBW: 3000 KHz
Test Mode:	UNII	Operator:	Phillip
Note:	NCC_LP0002_802.11ac40_Channel 42_Output power		

7.4.9.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Ant 1 / Ant 2 combination 天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	9.0	7.14	11.18	22.71	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
 2. Fixed Limit = 24 dBm
 3. If antenna gain $\leq$ 6dBi, NCC Limit = (Fixed Limit) dBm
 4. If antenna gain > 6dBi, NCC Limit = (Fixed Limit) dBm – (highest antenna gain – 6 dBi)
 5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.5 結果判定

高、中、低頻段的最大傳導輸出功率皆低於限制值。

8 功率密度之量測

8.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.3.1節(1)(2)(3)(4)之規定:

(1) 供戶外操作使用:

(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。

(2) 供室內操作使用:

(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:

(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:

(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。

8.2 量測功率密度之配置

如圖 2 所示。

8.3 量測功率密度之儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

8.4 量測結果

測試工程師: 羅世勇

8.4.1 調變技術: IEEE 802.11a

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	2.58	11	Page 126
M	2.43	11	Page 127
H	2.27	11	Page 128

註：1. 繪圖資料請參考第 126-128 頁。

2. 功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

4. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

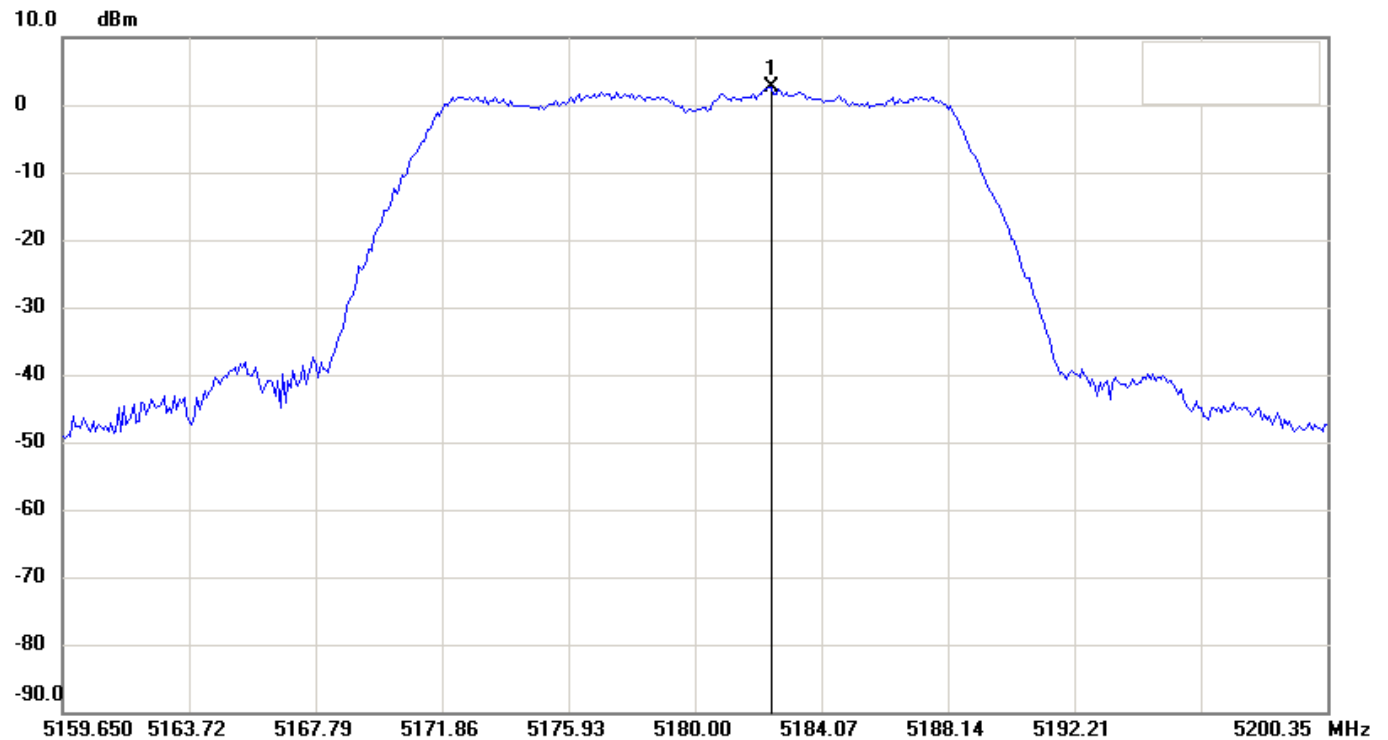
File: 20-07-MAS-052_5-2a_Ant1
 Site: RF-Cond01

#4

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 36_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5182.44200	2.58

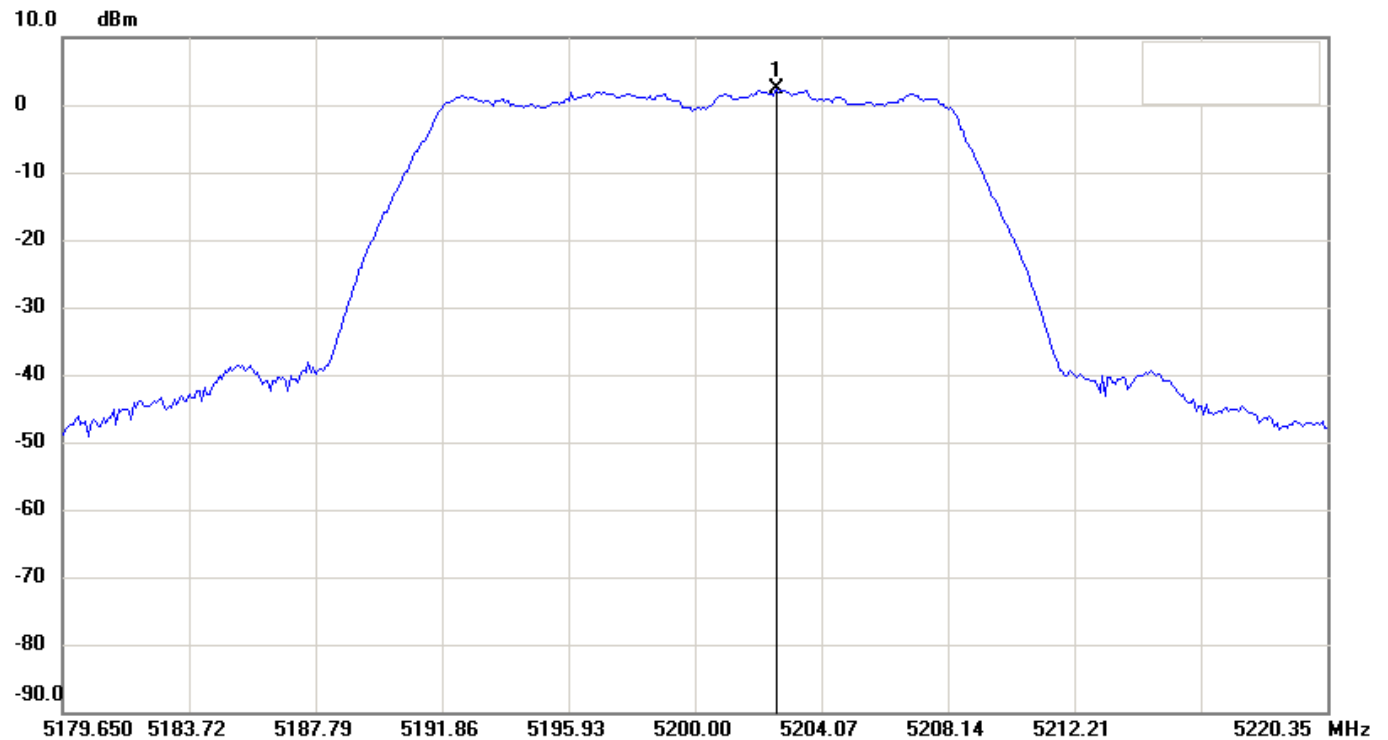
File: 20-07-MAS-052_5-2a_Ant1
 Site: RF-Cond01

#11

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 40_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5202.60480	2.43

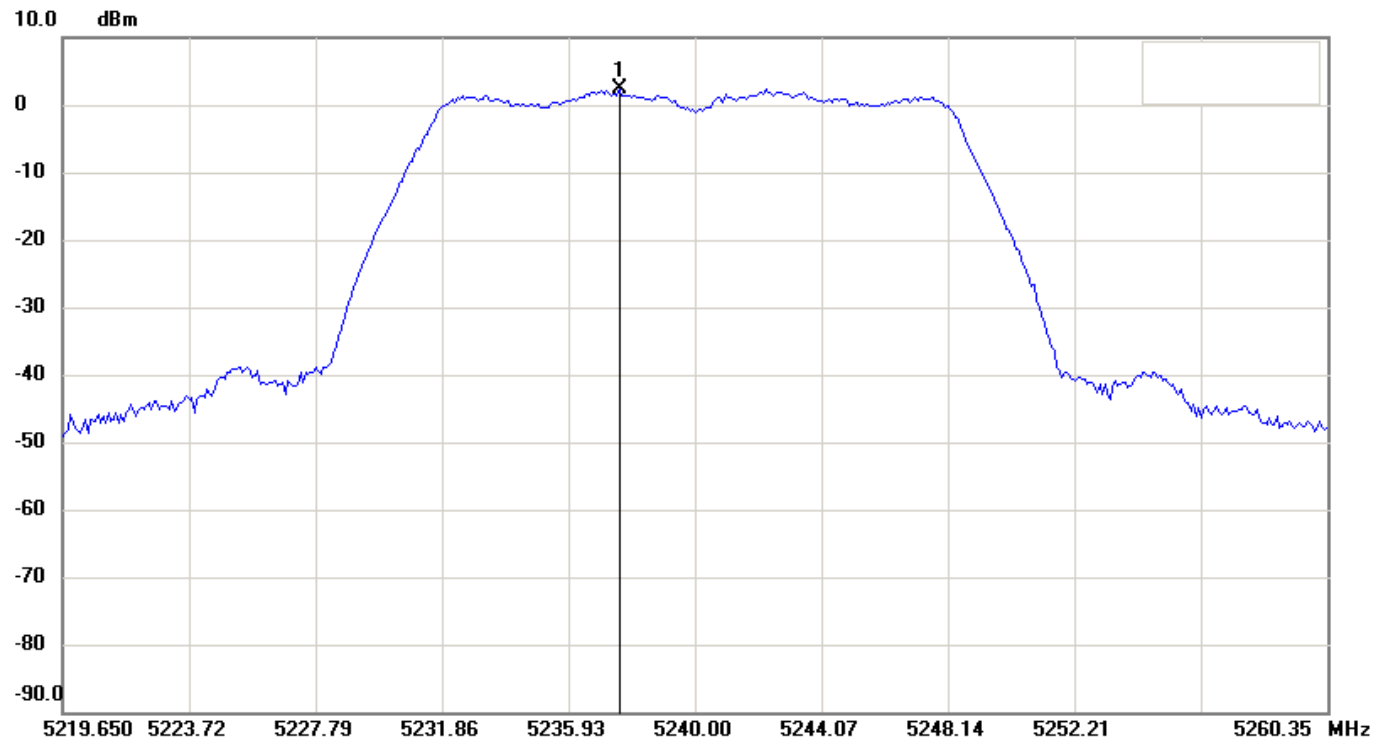
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#17

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 48_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5237.55800	2.27

8.4.2 調變技術: IEEE 802.11ax (20MHz)

8.4.2.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi, NCC Limit 如下表所示:

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	4.39	11	Page 130
M	4.45	11	Page 131
H	4.24	11	Page 132

註: 1. 繪圖資料請參考第 130-132 頁。

2. 功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

4. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

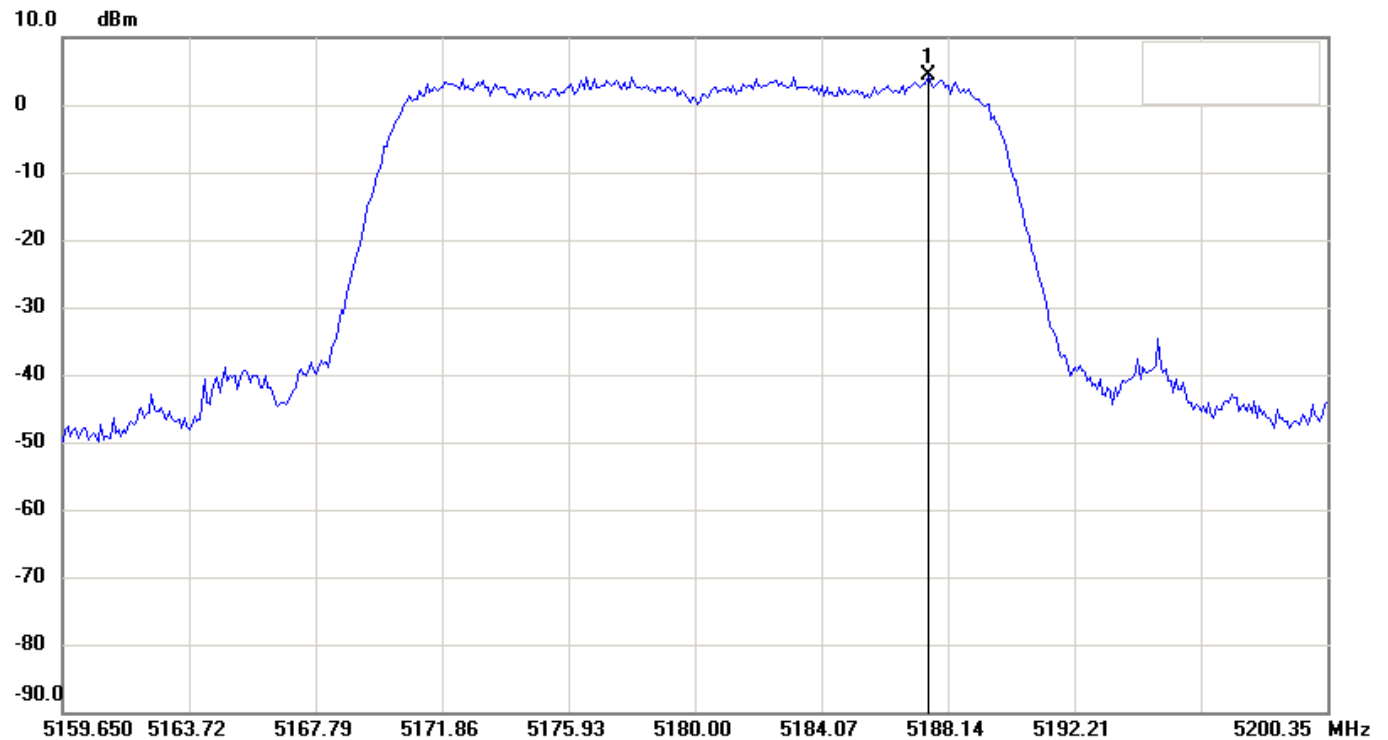
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#4

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 36_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5187.48880	4.39

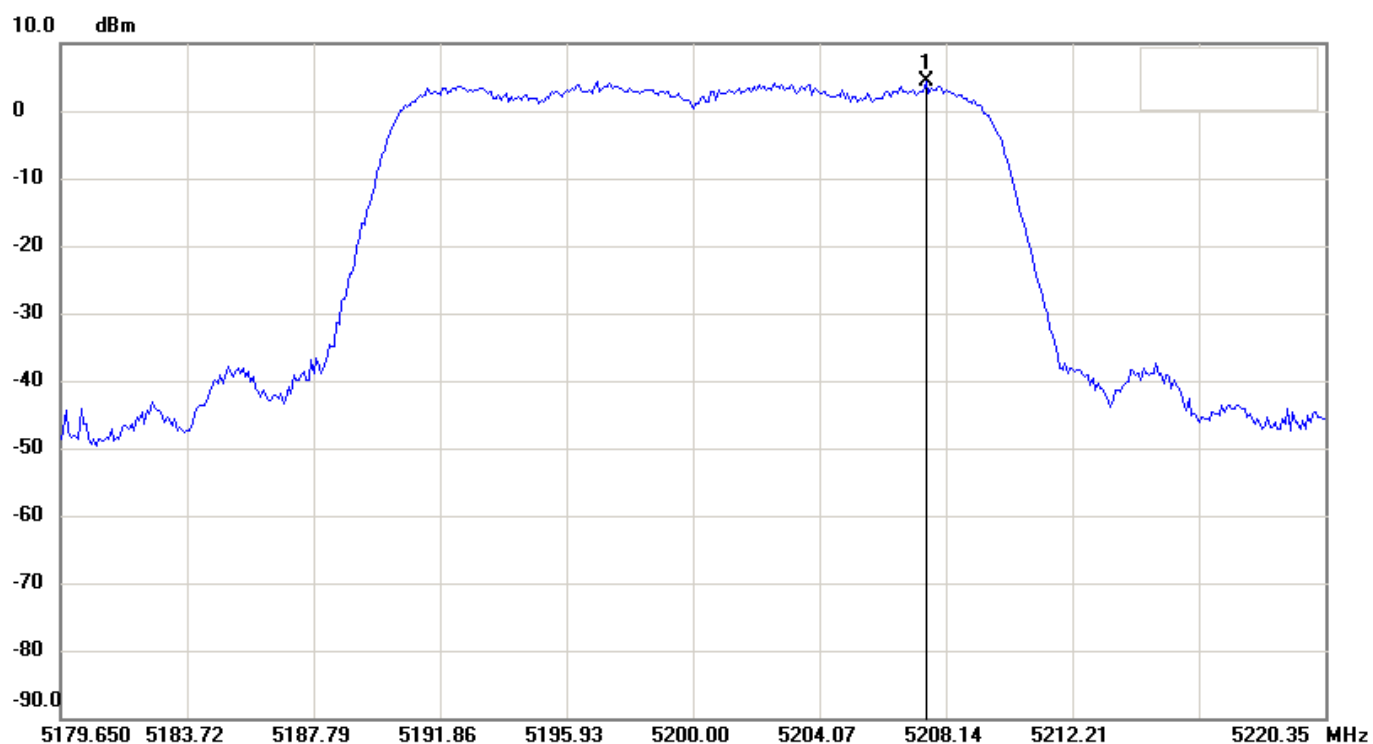
File: 20-07-MAS-052_5-2ax20_Ant1
 Site: RF-Cond01

#11

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 40_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5207.48880	4.45

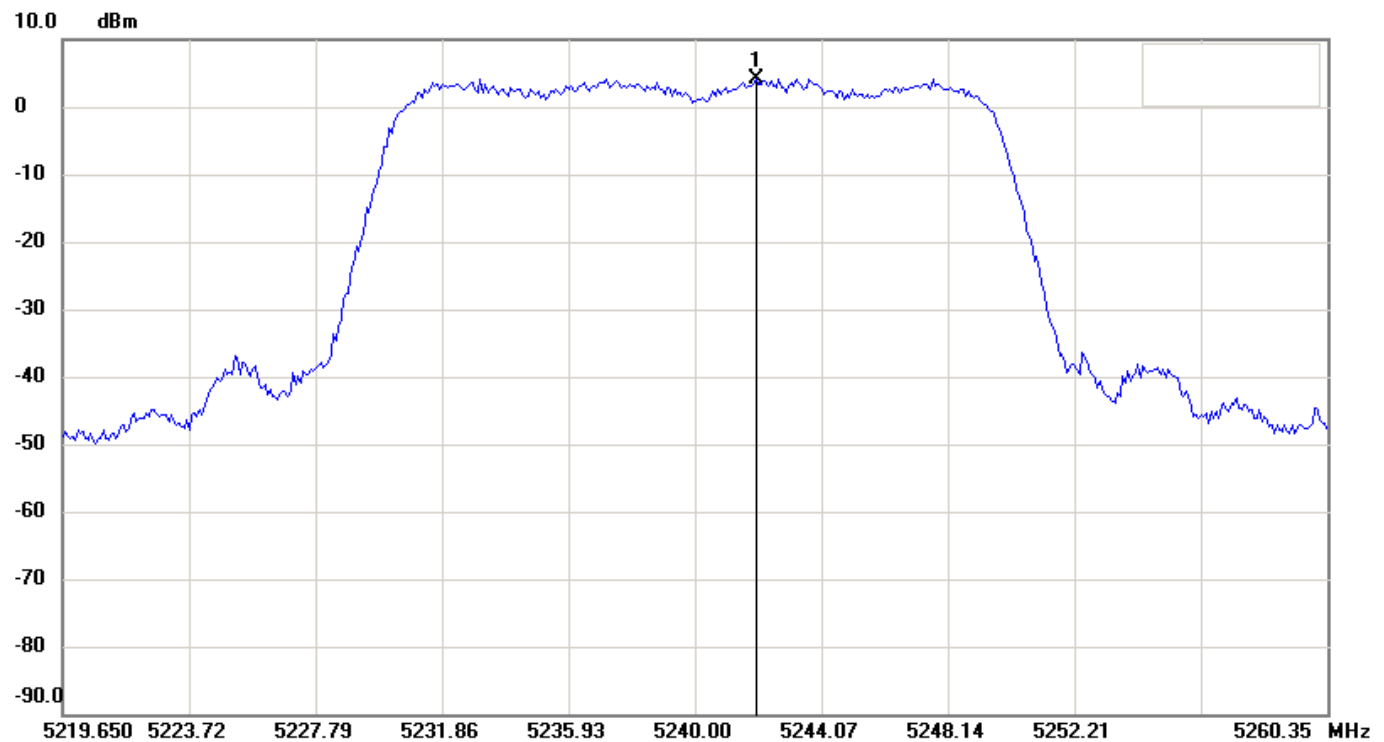
File: 20-07-MAS-052_5-2ax20_Ant1
 Site: RF-Cond01

#17

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 48_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5241.95360	4.24

8.4.2.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	2.78	11	Page 134
M	3.76	11	Page 135
H	4.95	11	Page 136

註：1. 繪圖資料請參考第 134-136 頁。

2. 功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. If antenna gain $\leq 6\text{dBi}$, NCC Limit = 11 dBm4. If antenna gain $> 6\text{dBi}$, NCC Limit = 11 dBm – (highest antenna gain – 6 dBi)5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

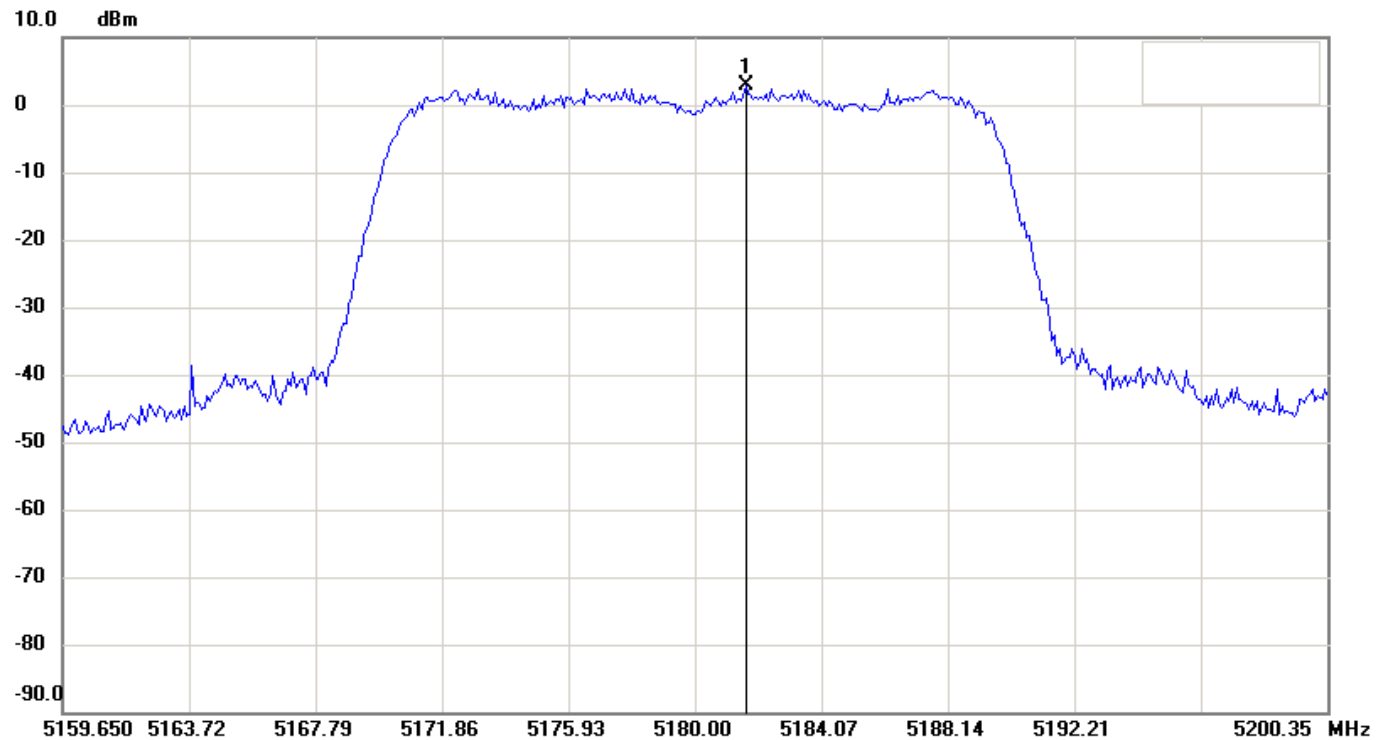
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#4

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 36_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5181.62800	2.78

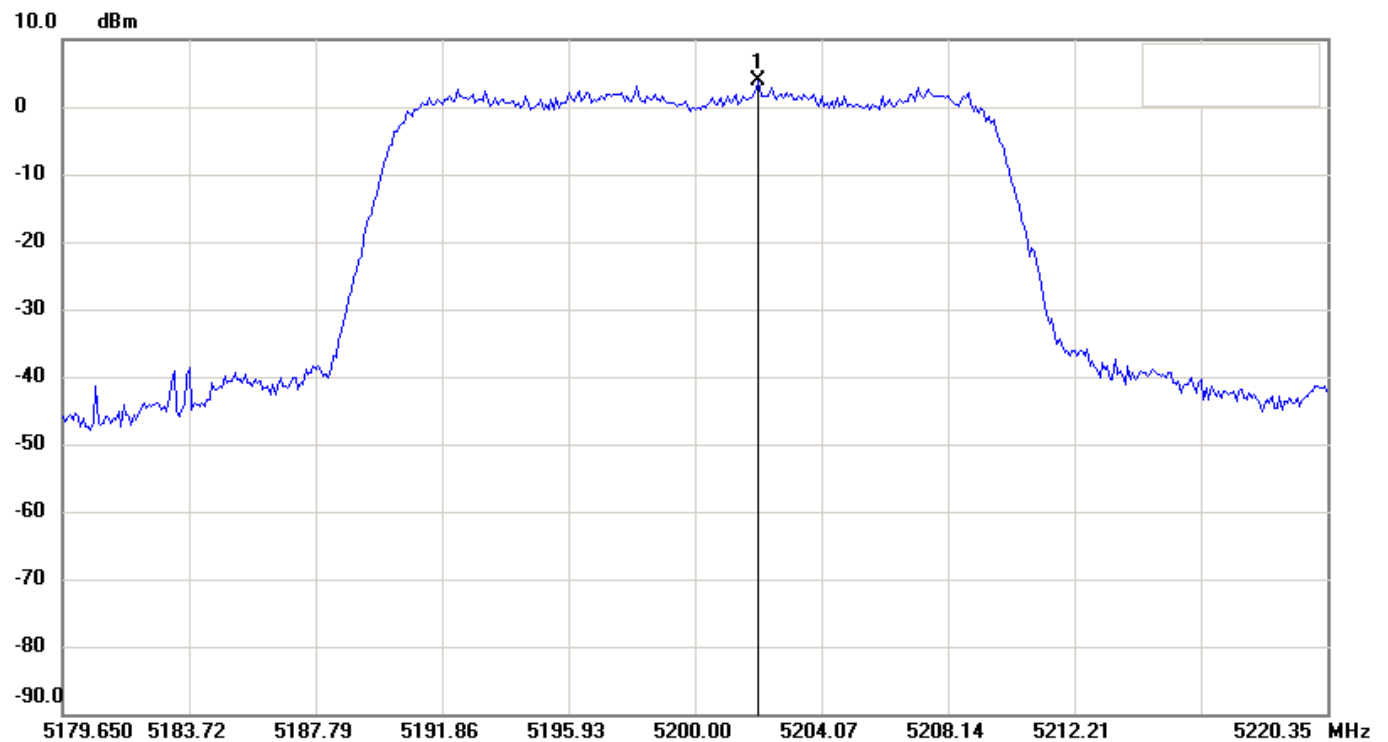
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#11

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 40_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5202.03500	3.76

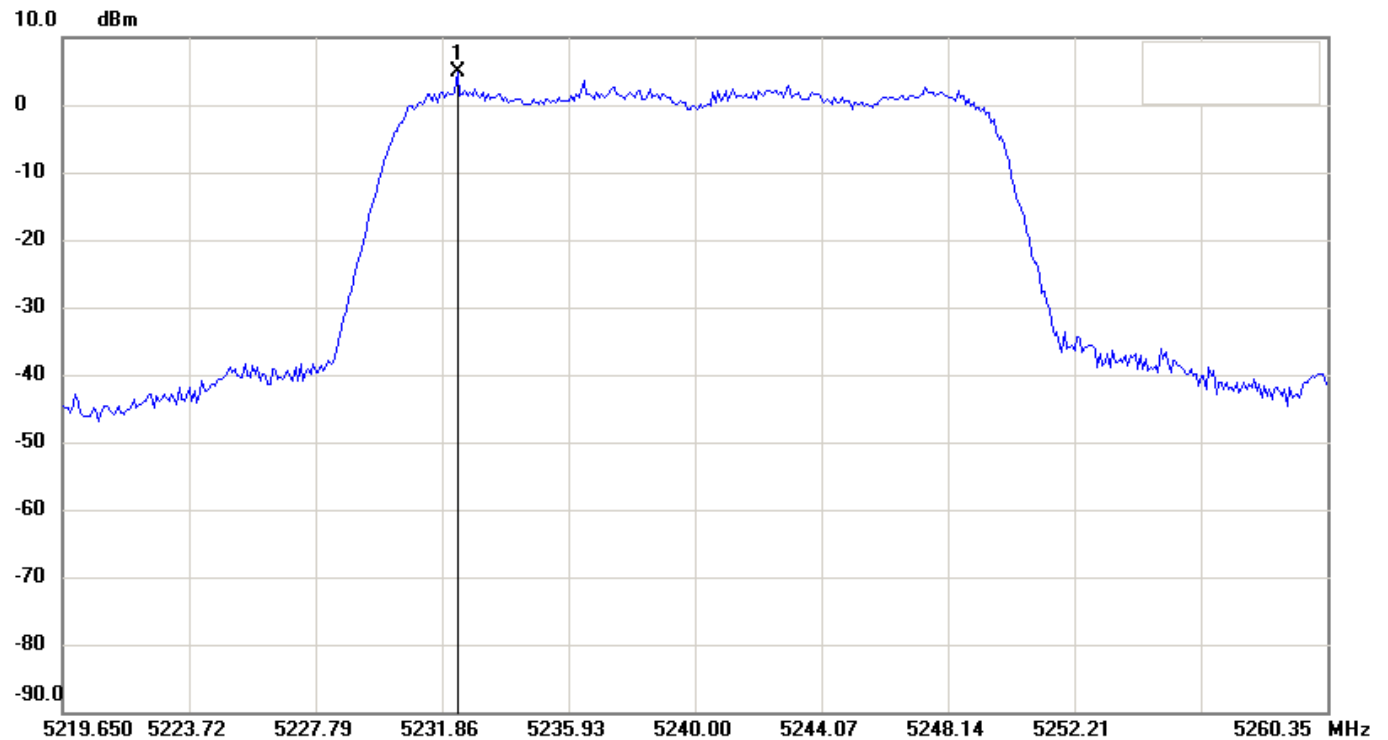
File: 20-07-MAS-052_5-2ax20_Ant2
 Site: RF-Cond01

#17

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 48_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5232.34840	4.95

8.4.2.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Total power density calculation formula:

$$10 \log (10^{(\text{Chain 0 PPSD} / 10)} + 10^{(\text{Chain 1 PPSD} / 10)})$$

天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)		Total Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
	Chain 0	Chain 1			
L	4.39	2.78	6.67	9.71	-
M	4.45	3.76	7.13	9.71	-
H	4.24	4.95	7.62	9.71	-

註：1. 功率頻譜密度 (Power Spectral Density) 為經儀器校正補償過後的結果值。

2. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

3. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

4. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

8.4.3 調變技術: IEEE 802.11ax (40MHz)

8.4.3.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	1.68	11	Page 139
H	1.81	11	Page 140

註：1. 繪圖資料請參考第 139-140 頁。

2. 功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

4. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

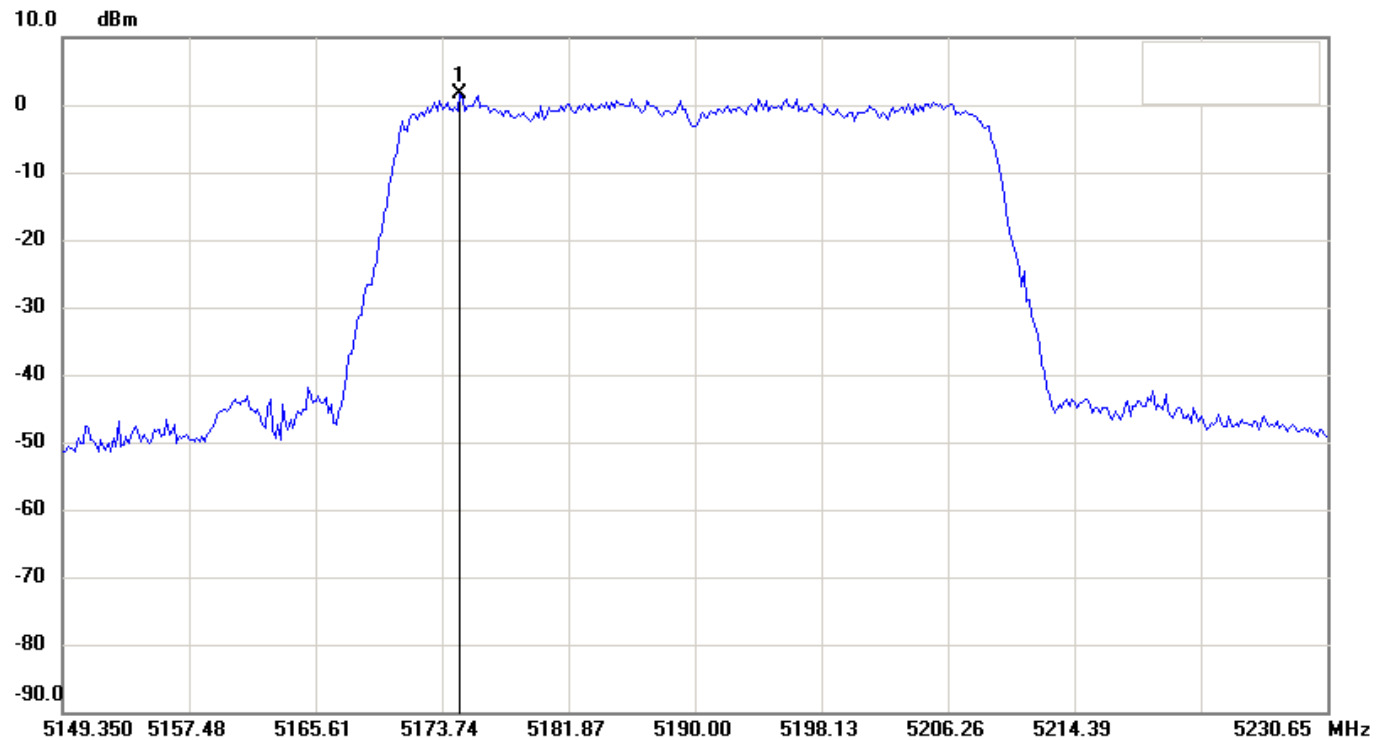
File: 20-07-MAS-052_5-2ax40_Ant1
 Site: RF-Cond01

#4

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 38_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5174.87820	1.68

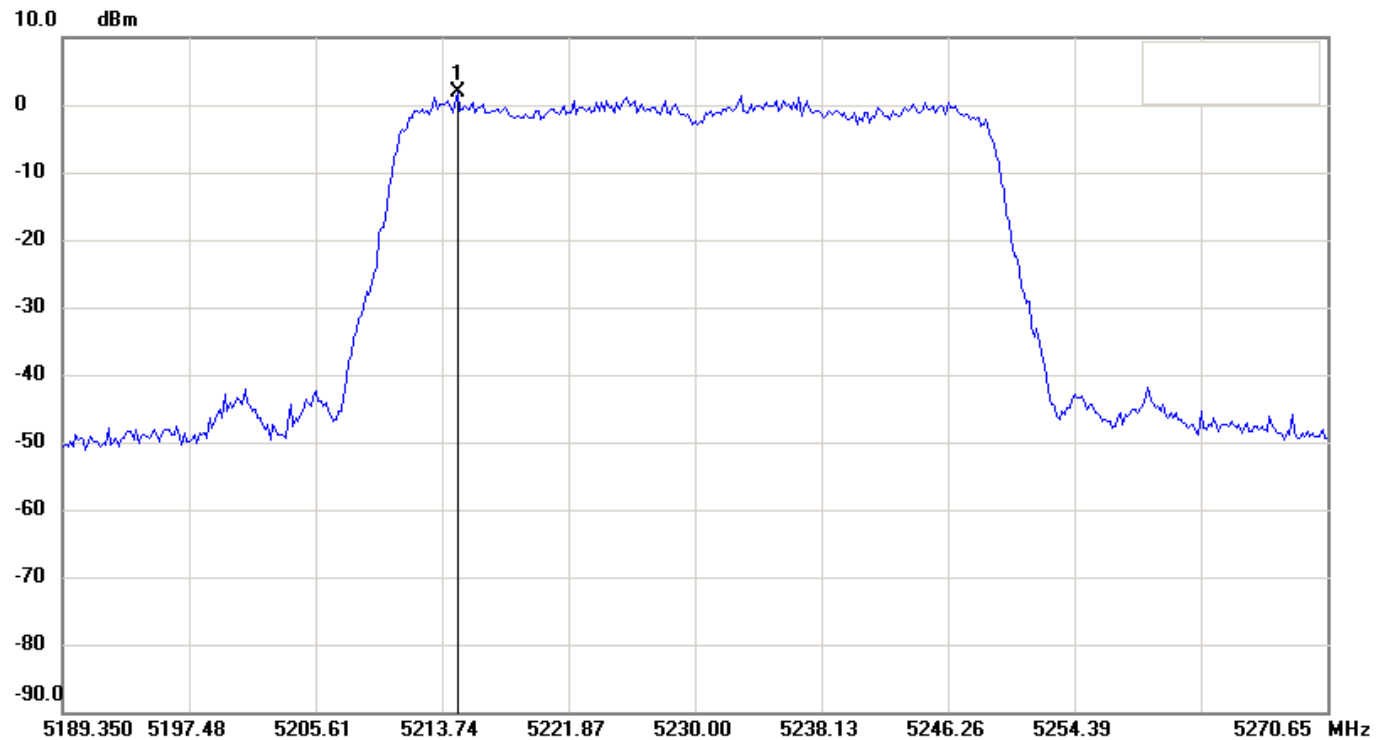
File: 20-07-MAS-052_5-2ax40_Ant1
 Site: RF-Cond01

#11

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 46_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5214.71560	1.81

8.4.3.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi , NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	0.26	11	Page 142
H	-0.33	11	Page 143

註：1. 繪圖資料請參考第 142-143 頁。

2. 功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

4. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-2ax40_Ant2

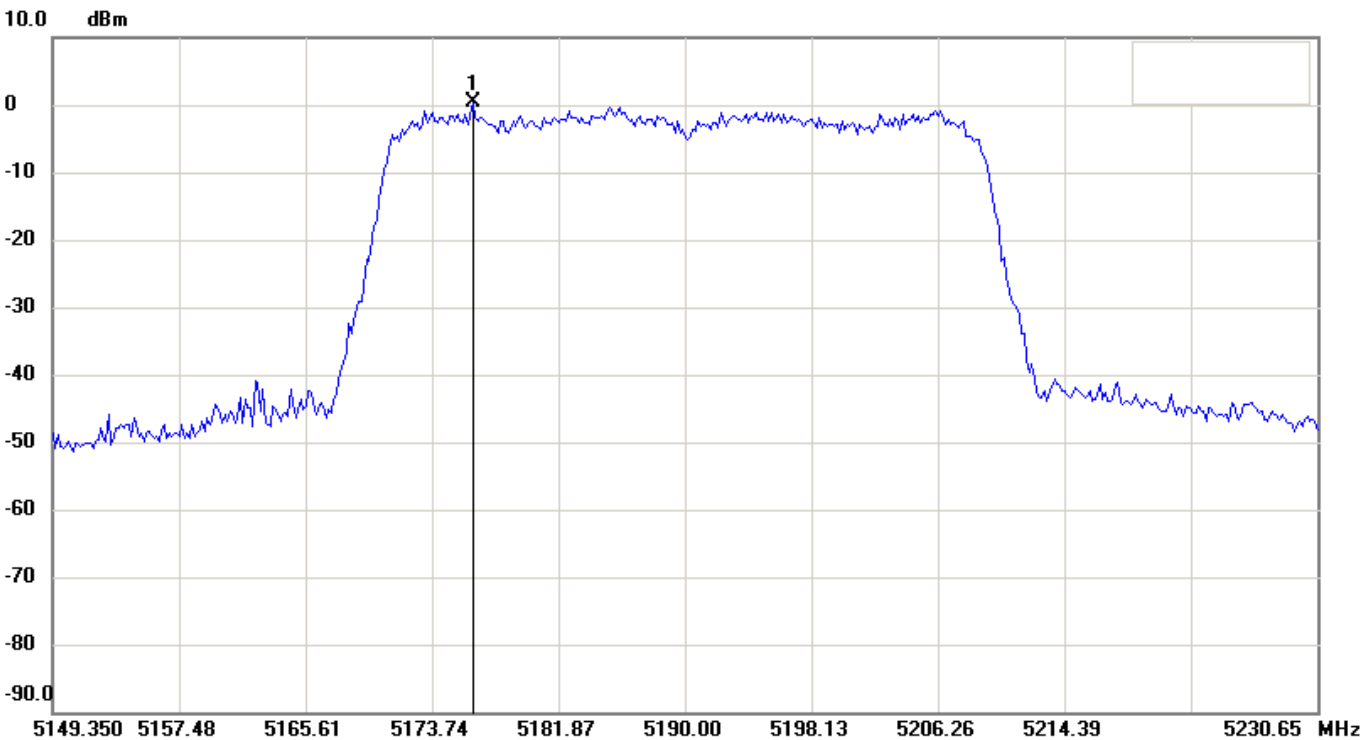
#4

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 38_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5176.34160	0.26

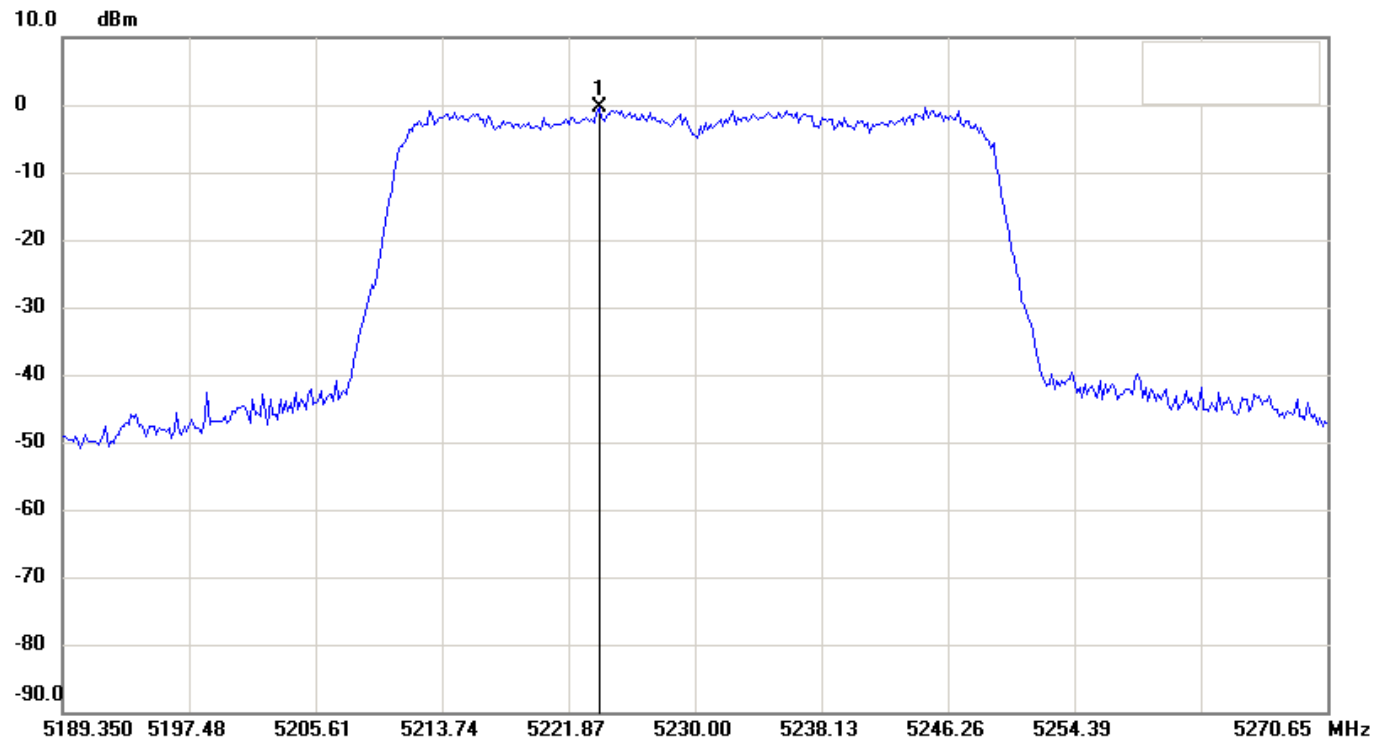
File: 20-07-MAS-052_5-2ax40_Ant2
 Site: RF-Cond01

#11

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 46_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5223.82120	-0.33

8.4.3.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Total power density calculation formula:

$$10 \log (10^{(\text{Chain 0 PPSD} / 10)} + 10^{(\text{Chain 1 PPSD} / 10)})$$

天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)		Total Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
	Chain 0	Chain 1			
L	1.68	0.26	4.04	9.71	-
H	1.81	-0.33	3.88	9.71	-

註：1.功率頻譜密度 (Power Spectral Density) 為經儀器校正補償過後的結果值。

2. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

3. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

4. 量測不準確度:±1.5dB(1GHz≤f≤18GHz)

8.4.4 調變技術: IEEE 802.11ax (80MHz)

8.4.4.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-1.23	11.00	Page 146

註：1. 繪圖資料請參考第 146 頁。

2. 頻譜密度 (Power Spectral Density) 為經儀器校正補償過後的結果值。

3. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

4. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

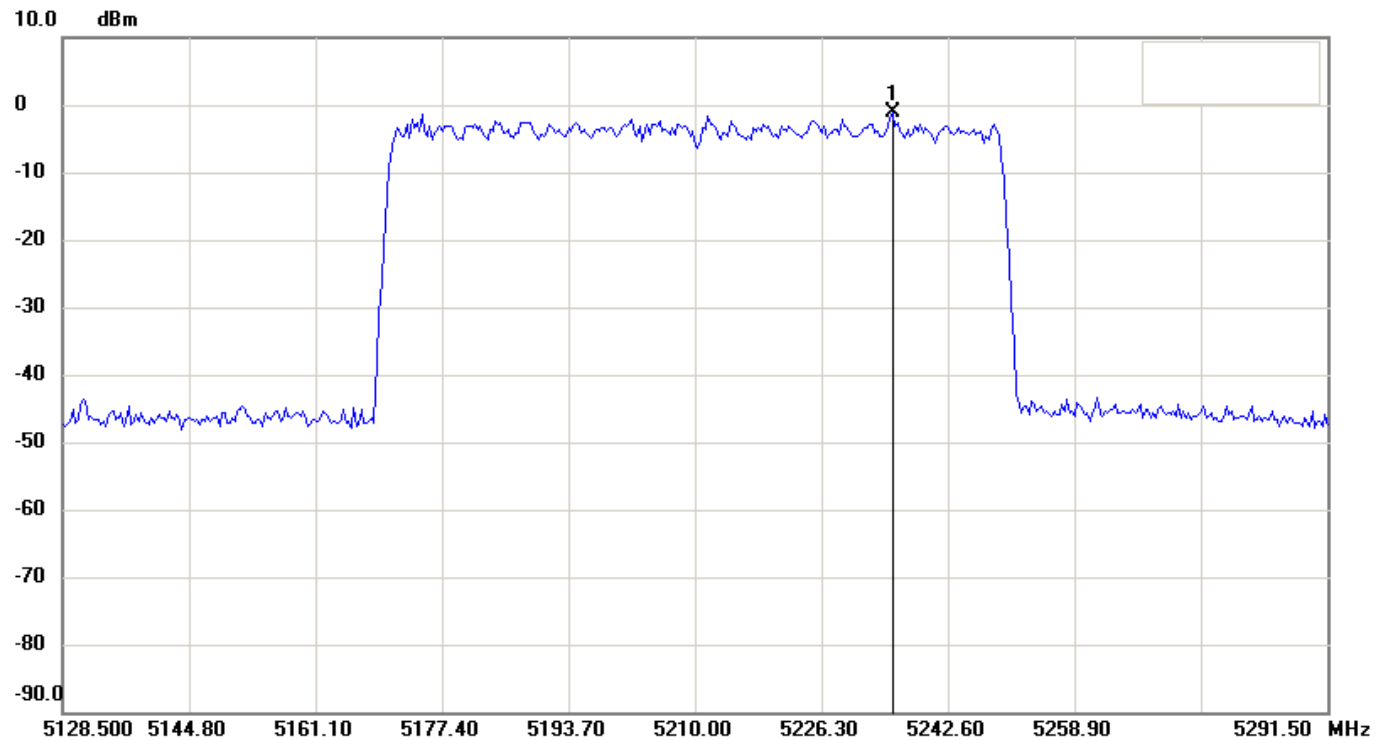
File: 20-07-MAS-052_5-2ax80_Ant1
Site: RF-Cond01

#14

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 42_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz

Operator:

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5235.42800	-1.23

8.4.4.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-2.75	11	Page 148

註：1. 繪圖資料請參考第 148 頁。

2. 頻譜密度 (Power Spectral Density) 為經儀器校正補償過後的結果值。

3. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

4. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

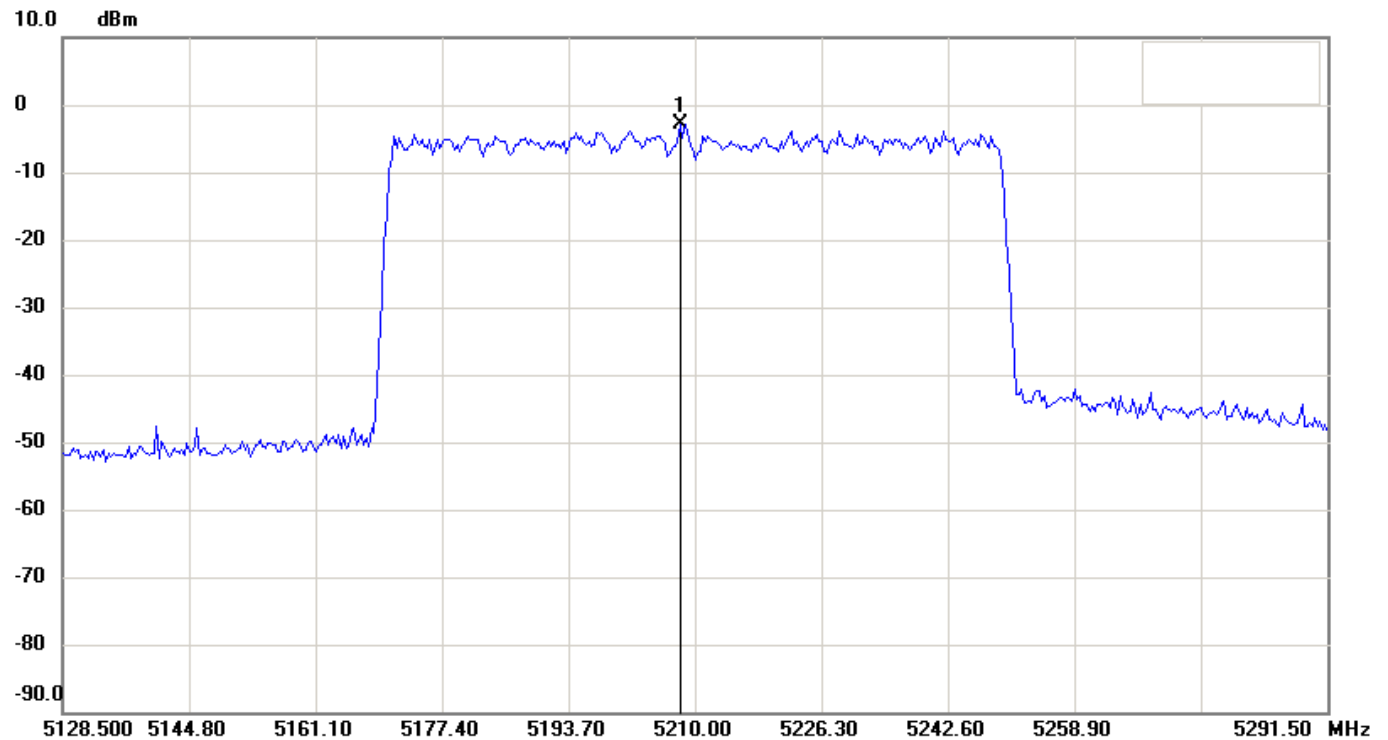
File: 20-07-MAS-052_5-2ax80_Ant2
 Site: RF-Cond01

#4

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 42_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5208.04400	-2.75

8.4.4.3 CHAIN 0 + CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

Total power density calculation formula:

$$10 \log (10^{(\text{Chain 0 PPSD} / 10)} + 10^{(\text{Chain 1 PPSD} / 10)})$$

天線增益最大值為 7.29 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)		Total Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
	Chain 0	Chain 1			
L	-1.23	-2.75	1.09	9.71	-

註：1.功率頻譜密度 (Power Spectral Density) 為經儀器校正補償過後的結果值。

2. If antenna gain $\leq$ 6dBi, NCC Limit =11 dBm

3. If antenna gain > 6dBi, NCC Limit =11 dBm – (highest antenna gain – 6 dBi)

4. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

8.5 結果判定

高、中、低頻段的峰值功率頻譜密度皆低於限值，合乎標準規定。

9 混附波發射限制之量測

9.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.4.1節之規定：

- (1) 在5.15~5.35 GHz 及 5.470-5.725 GHz 頻帶操作的發射器，所有在 5.15-5.25 GHz 及5.470-5.725 GHz 頻率以外的發射其有效等向輻射功率 (EIRP) 不應超過 ≤ -27 dBm/MHz。
- (2) 發射量測應使用之最低解析頻寬為1百萬赫。如果量測的能量被整合以顯示1百萬赫的總功率，則必要時頻帶邊緣附近可使用較低解析頻寬。

9.2 混附波發射限制之測試配置

如圖2 所示。

9.3 量測混附波發射限制之儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

9.4 混附波發射限制之量測結果 (傳導方式量測)

Single Conducted Limit:

Eirp Limit – Aantenna Directional Gain – $10 \log[\text{number of Tx output(s)}]$

9.4.1 調變技術: IEEE 802.11a

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

註：1. 繪圖資料請參考第 151-156 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 40\text{GHz}$)

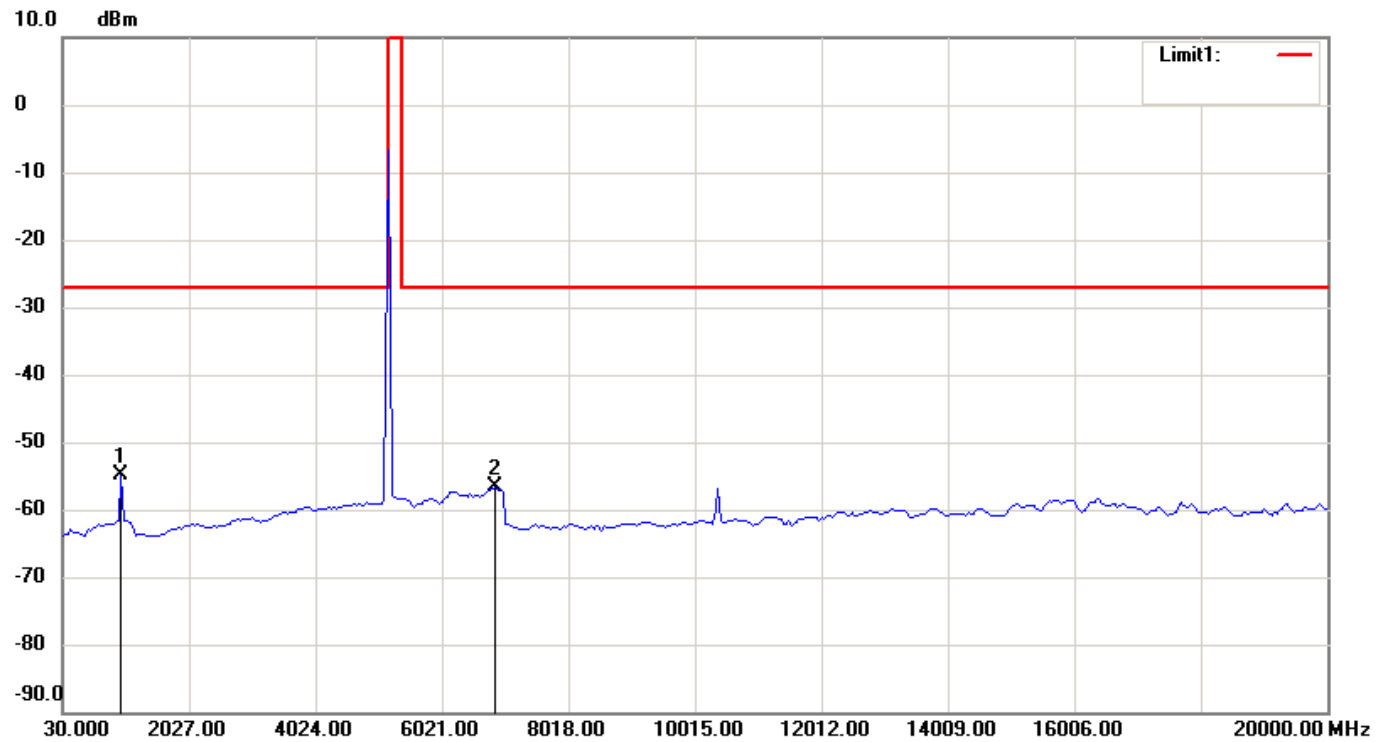
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#5

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 36_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	948.6200	-54.84
2	6859.74000	-56.71

File: 20-07-MAS-052_5-2a_Ant1

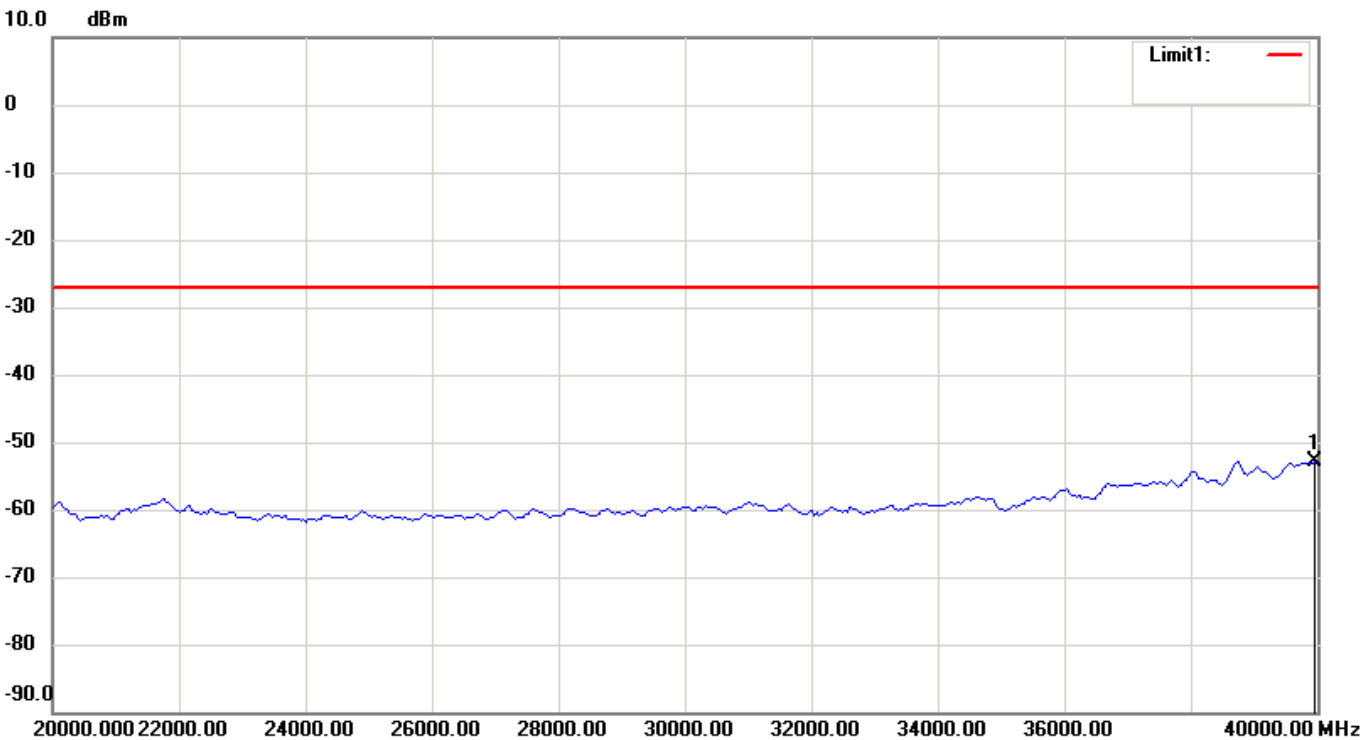
#6

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 36_Spurious-2

RF Conducted

Sweep Time: 80ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	39960.00000	-52.78

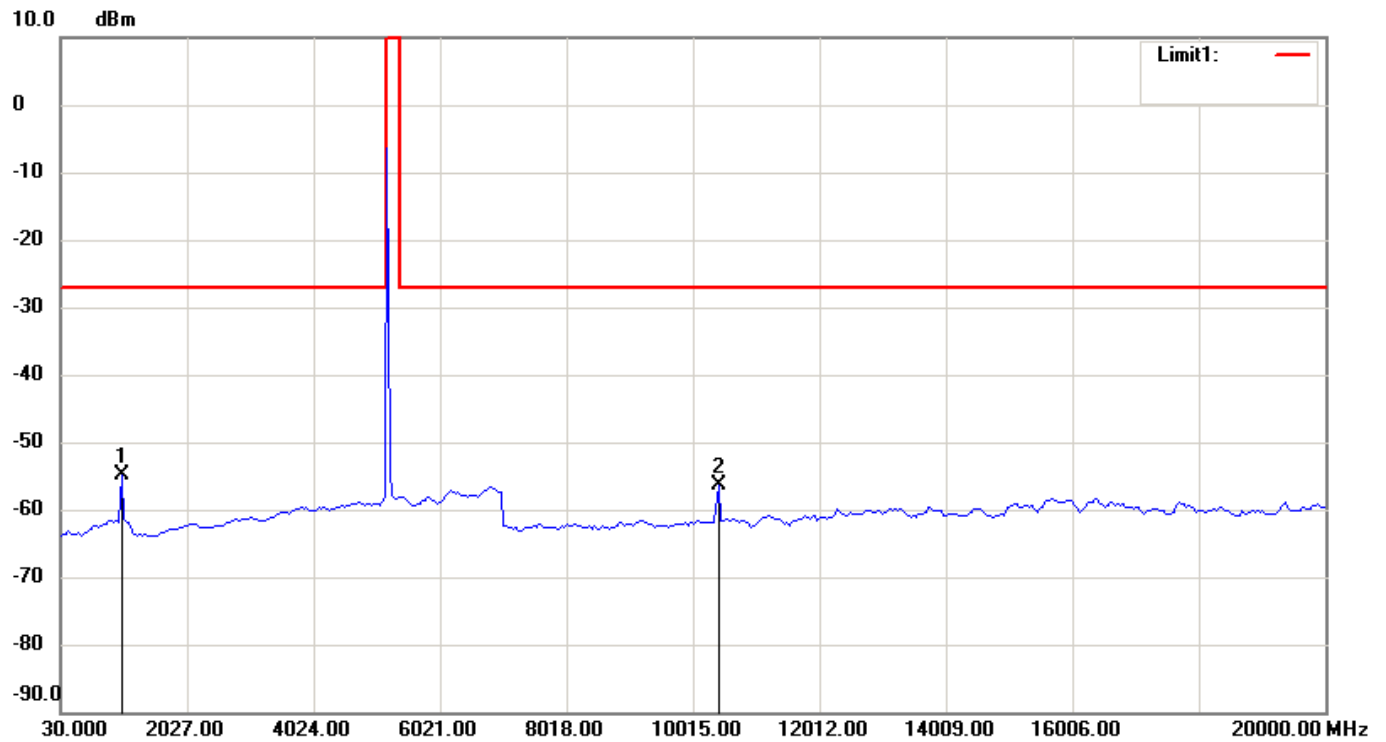
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#12

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 40_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	988.5600	-54.94
2	10414.40000	-56.43

File: 20-07-MAS-052_5-2a_Ant1

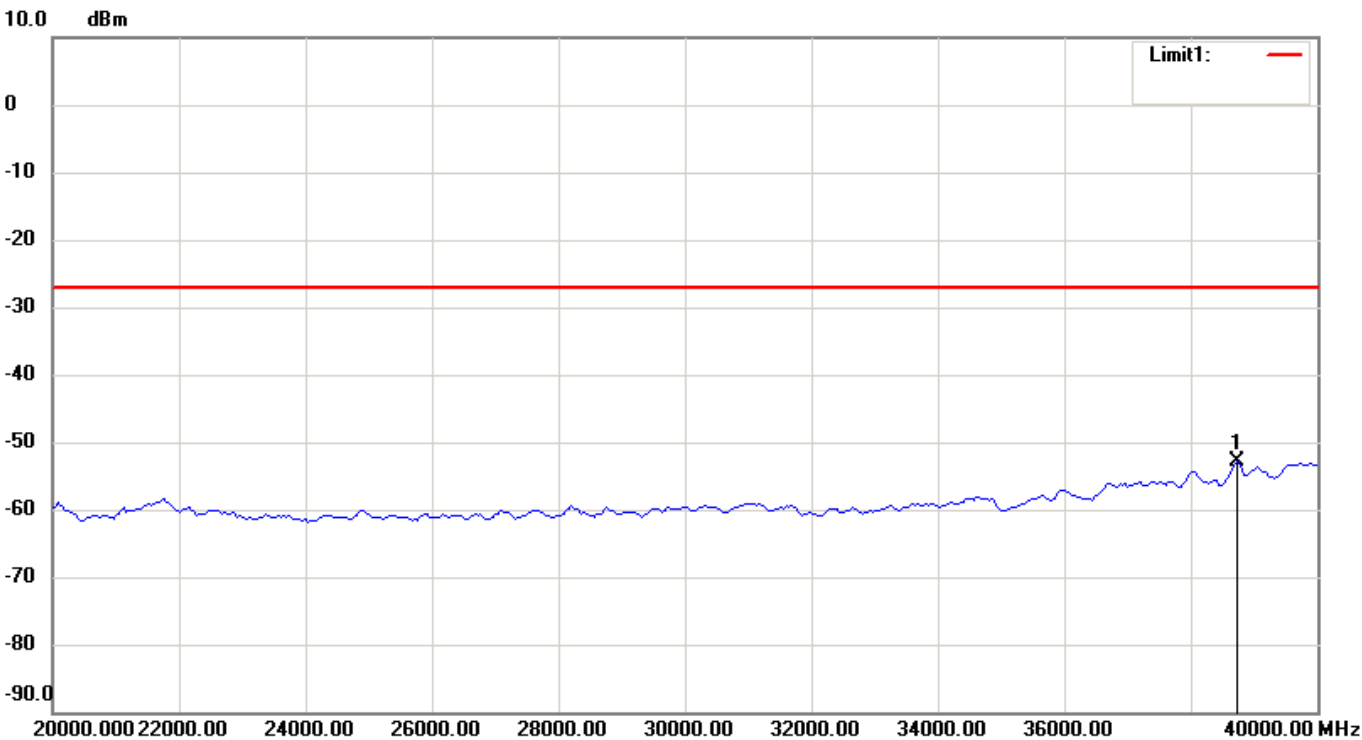
#13

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 40_Spurious-2

RF Conducted

Sweep Time: 80ms

RBW: 1000 KHz

Operator: Phillip

Att.: 15dB

VBW: 1000 KHz

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-52.99

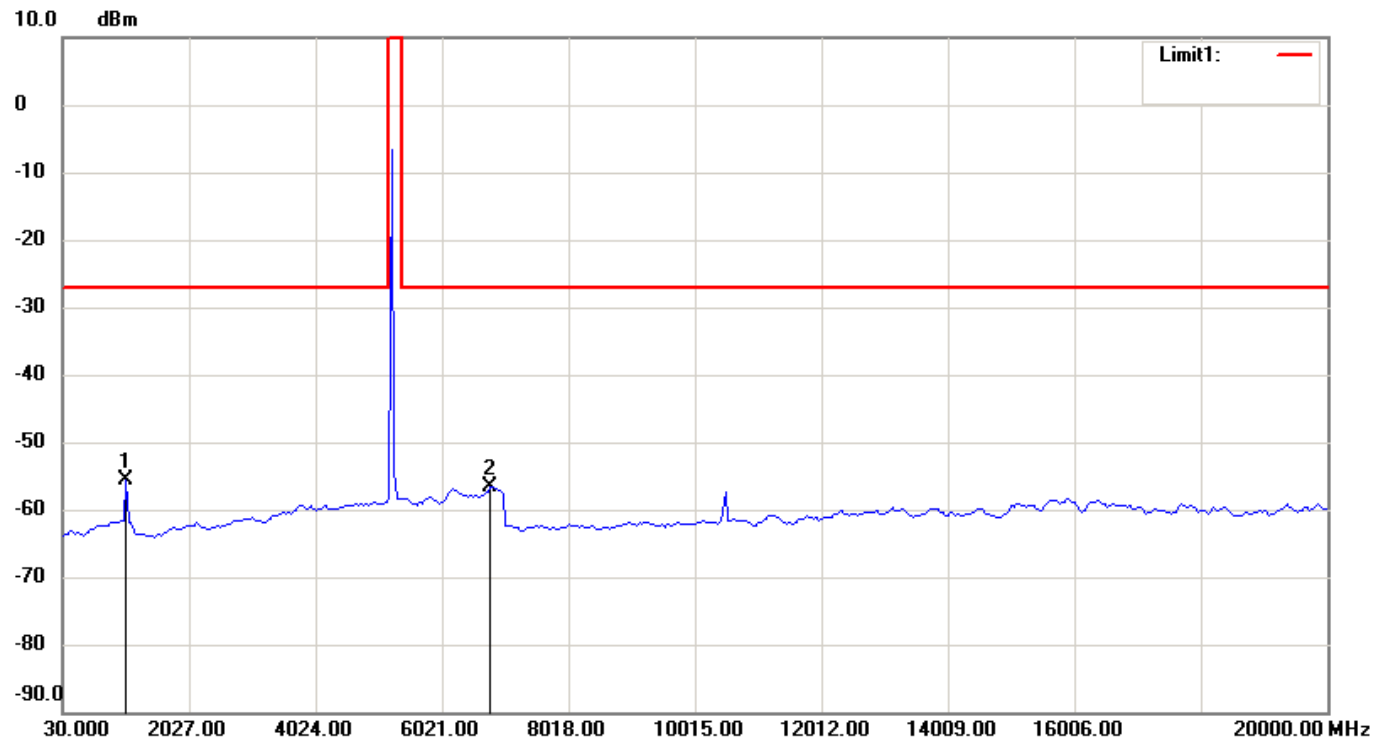
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#18

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 48_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	1028.50000	-55.73
2	6779.86000	-56.61

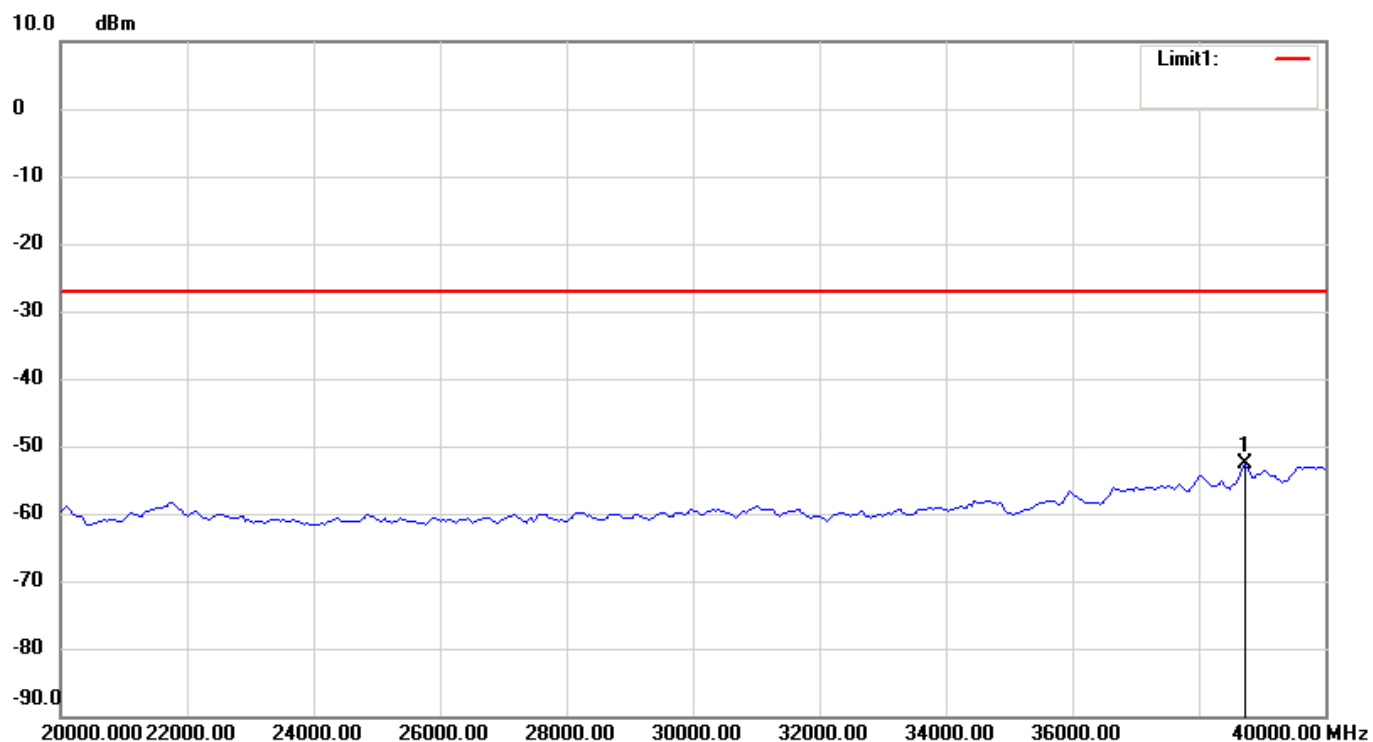
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#19

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 48_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-52.73

9.4.2 調變技術: IEEE 802.11ax (20MHz)

9.4.2.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

註: 1. 繪圖資料請參考第 158-163 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 40\text{GHz}$)

File: 20-07-MAS-052_5-2ax20_Ant1

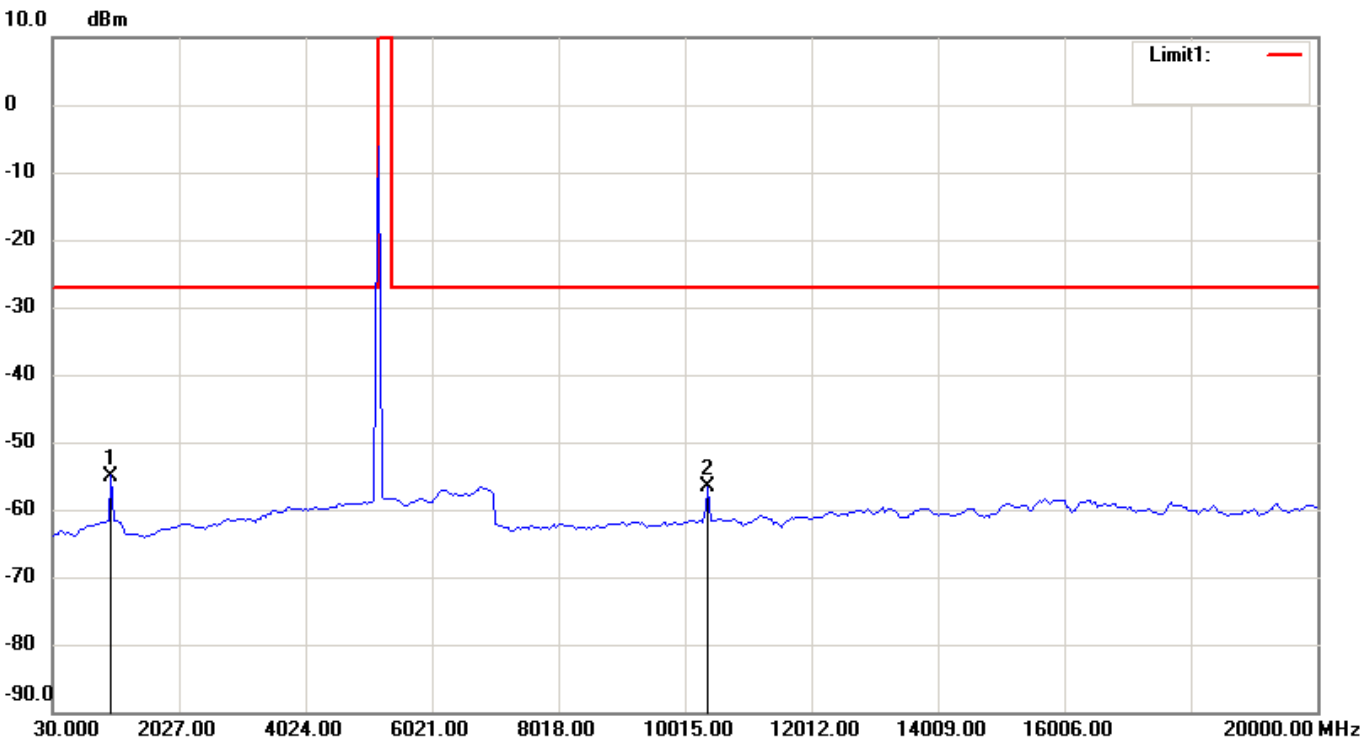
#5

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 36_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	948.6200	-55.00
2	10374.46000	-56.72

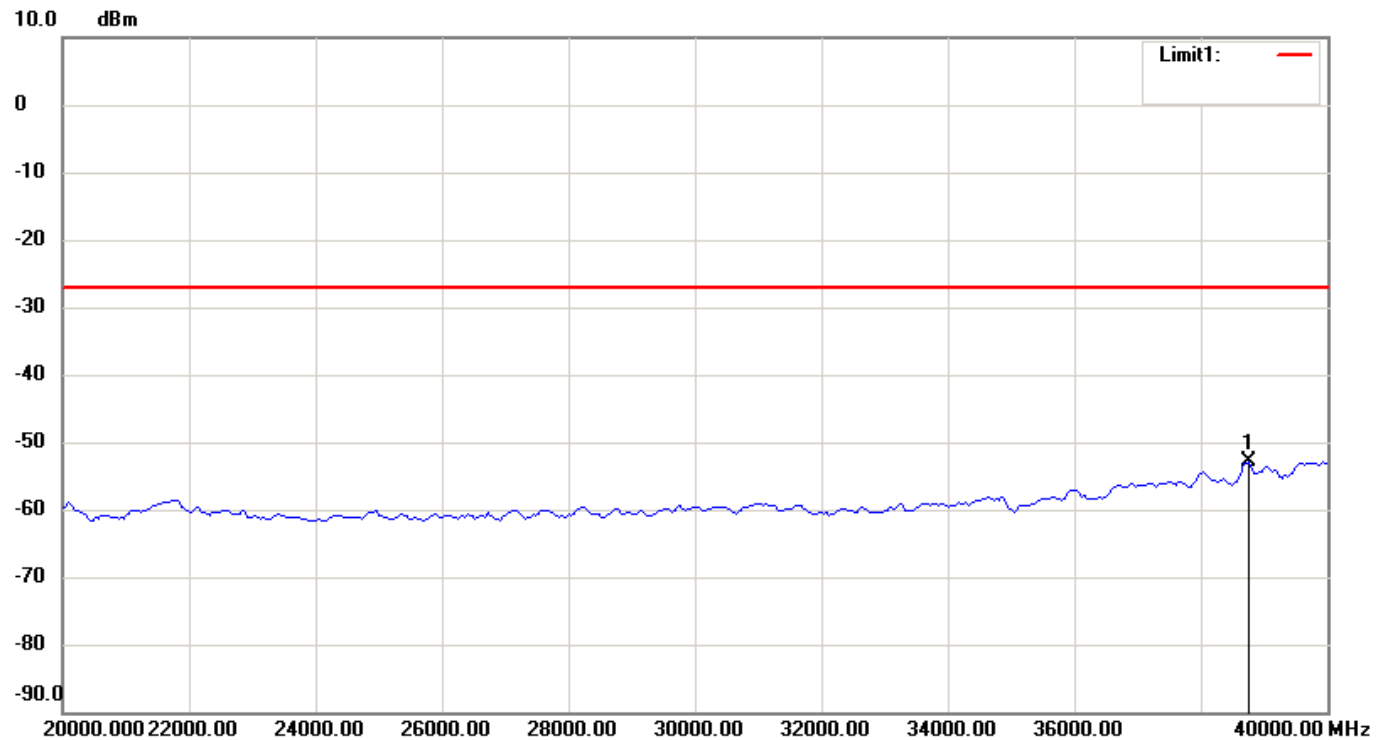
File: 20-07-MAS-052_5-2ax20_Ant1
 Site: RF-Cond01

#6

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20_Channel 36_Spurious-2

RF Conducted
 Sweep Time: 80ms Att.: 15dB
 RBW: 1000 KHz VBW: 1000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.92

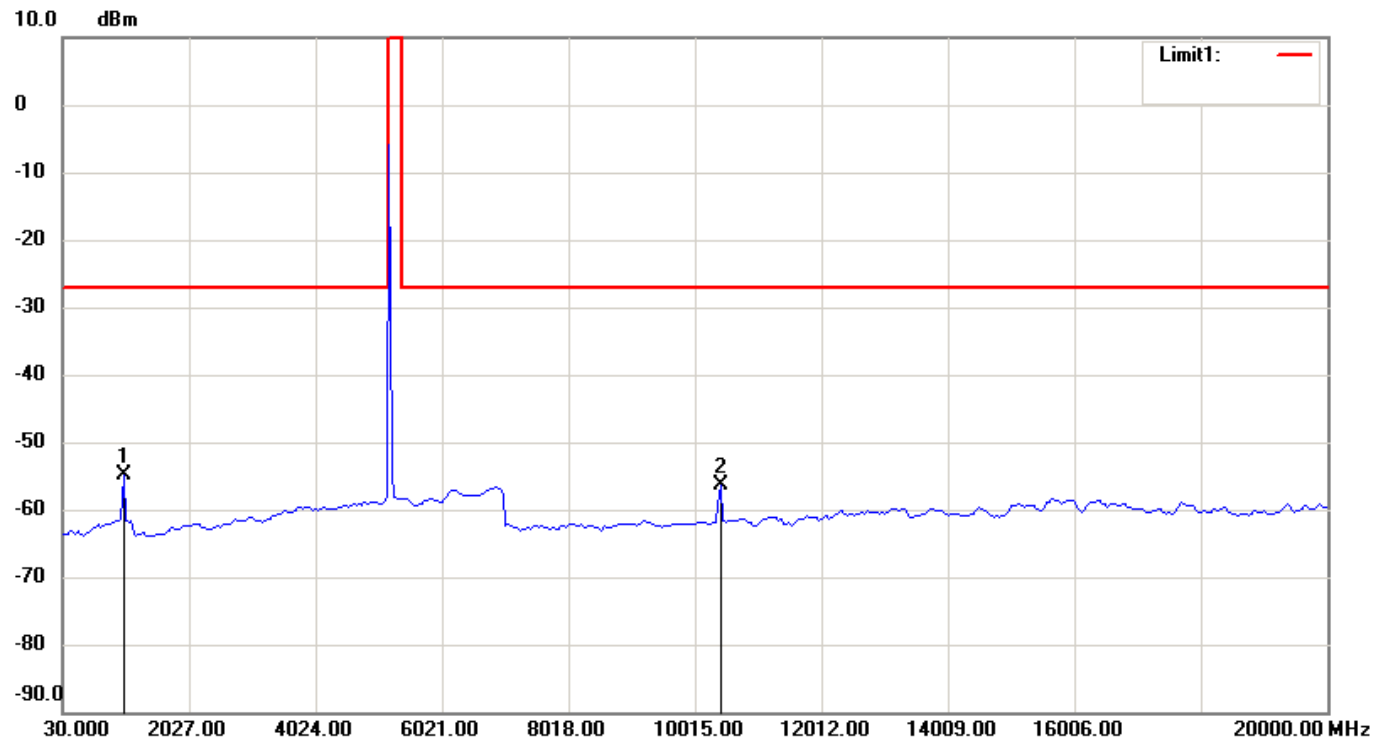
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#12

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 40_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	988.5600	-54.96
2	10414.40000	-56.48

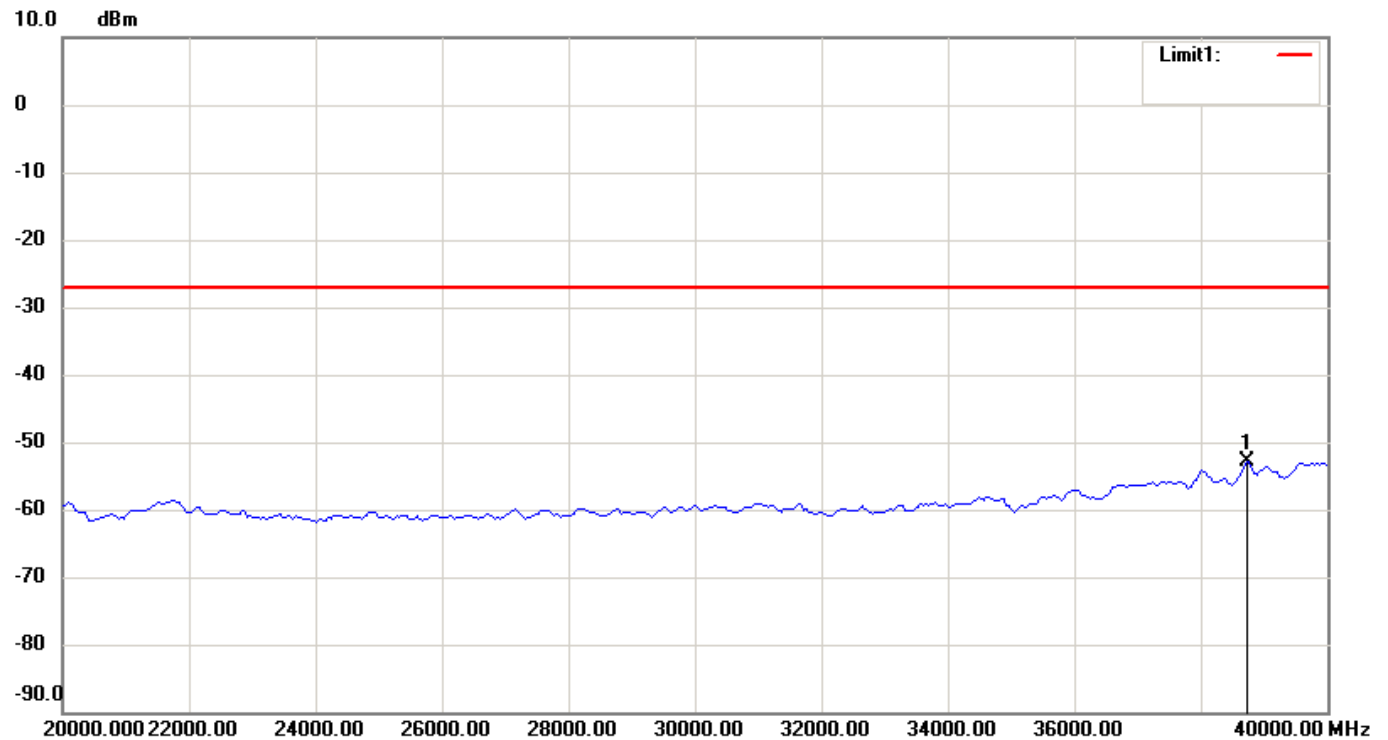
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#13

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 40_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-52.97

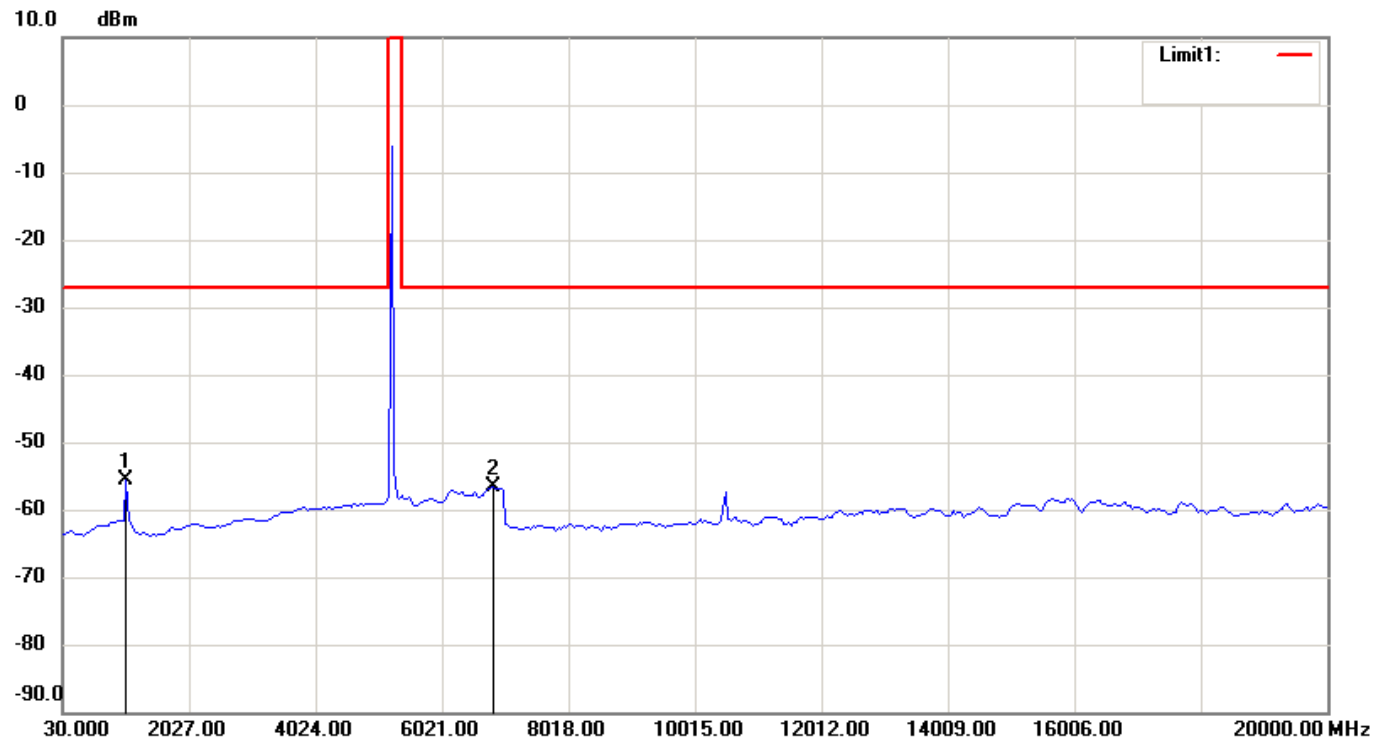
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#18

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 48_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	1028.50000	-55.62
2	6819.80000	-56.73

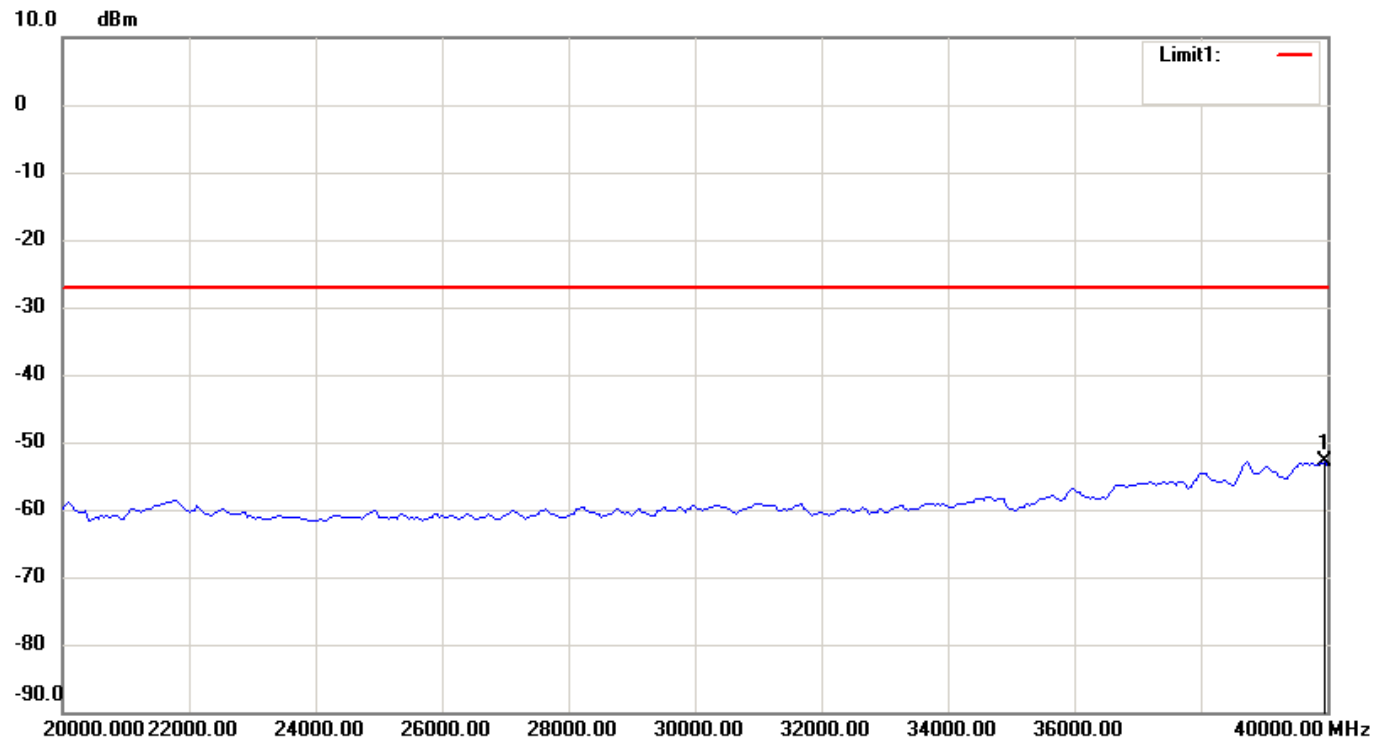
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#19

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 48_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	39960.00000	-52.97

9.4.2.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

註：1. 繪圖資料請參考第 165-170 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 40\text{GHz}$)

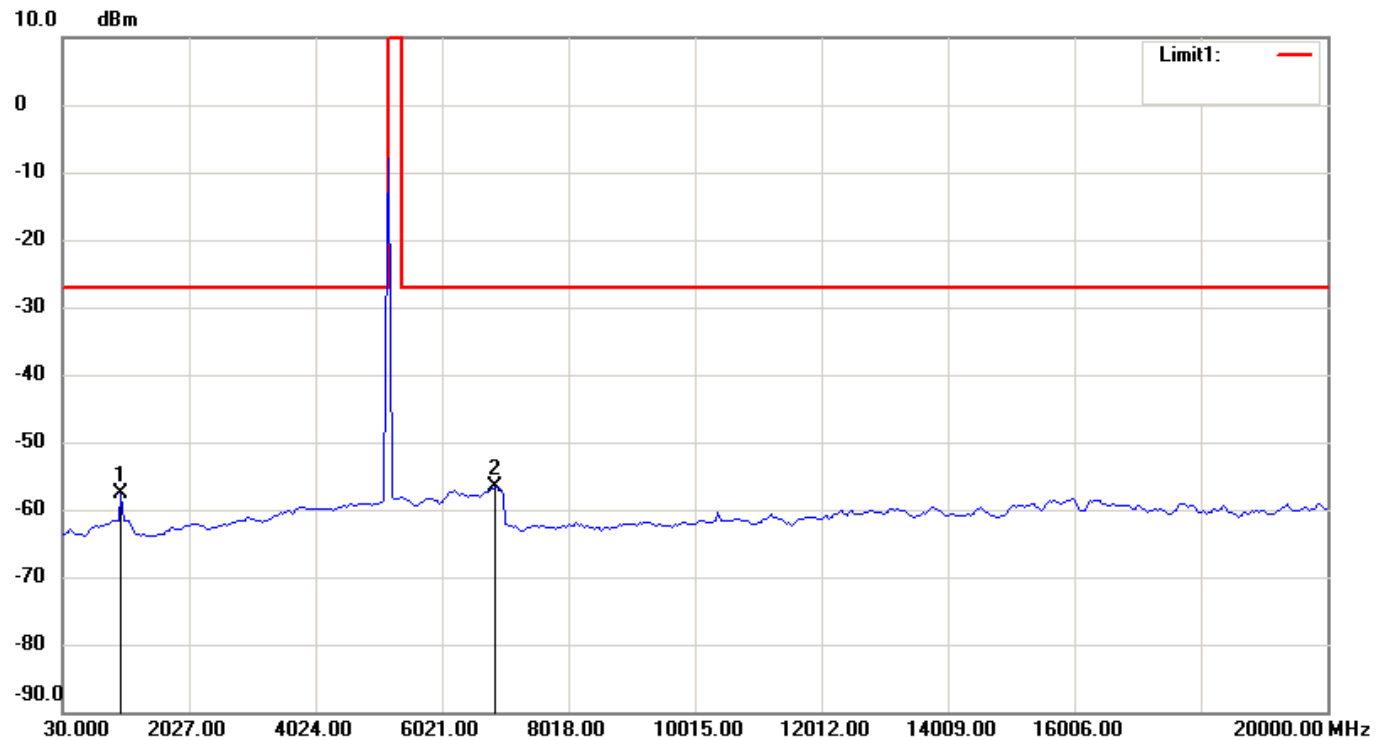
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#5

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 36_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	948.6200	-57.55
2	6859.74000	-56.67

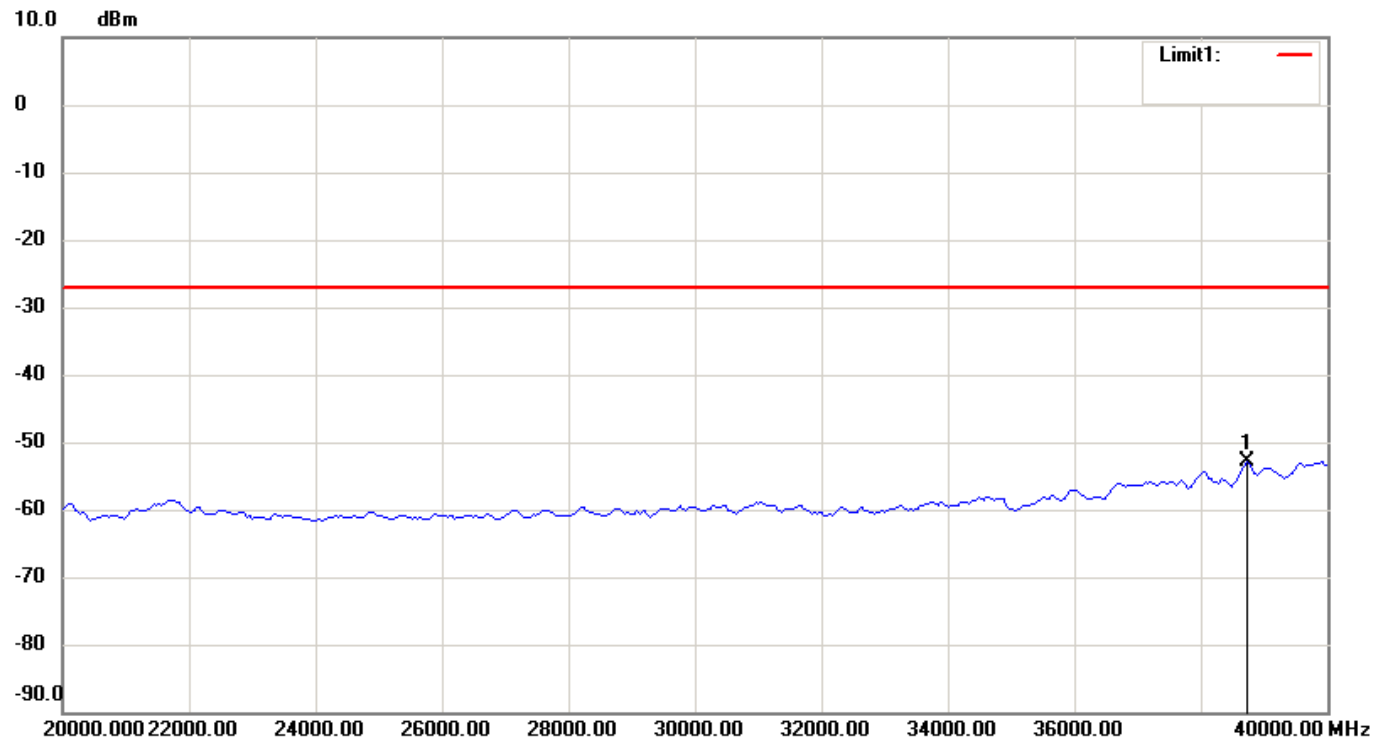
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#6

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 36_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-52.80

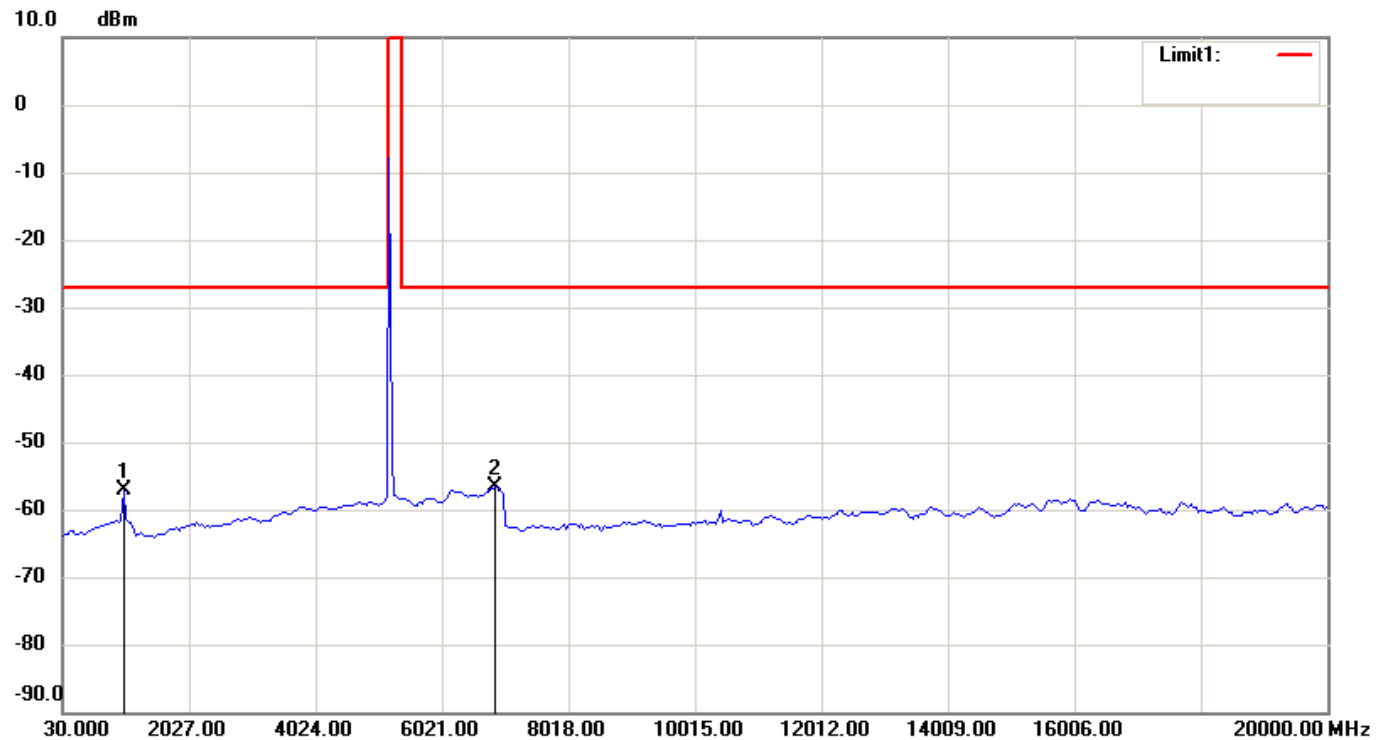
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#12

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 40_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	988.5600	-57.23
2	6859.74000	-56.74

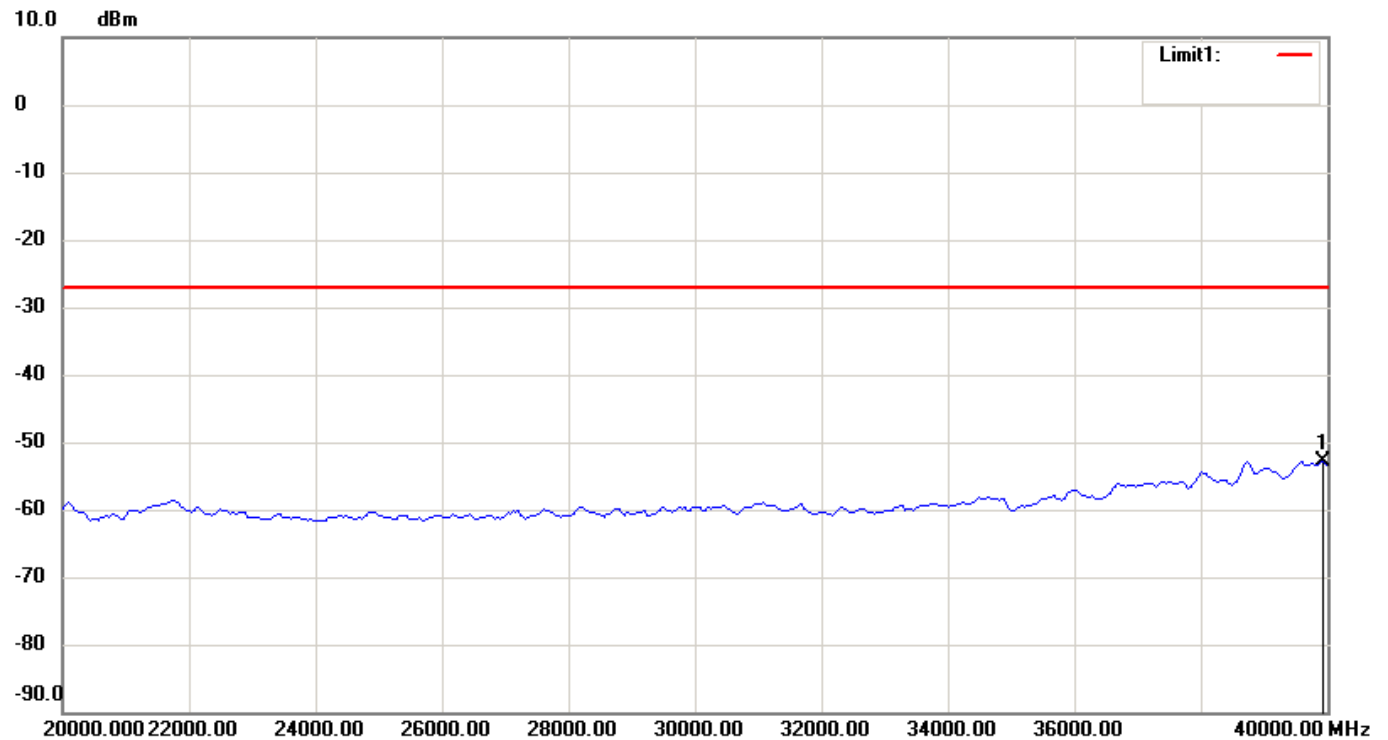
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#13

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 40_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	39920.00000	-52.93

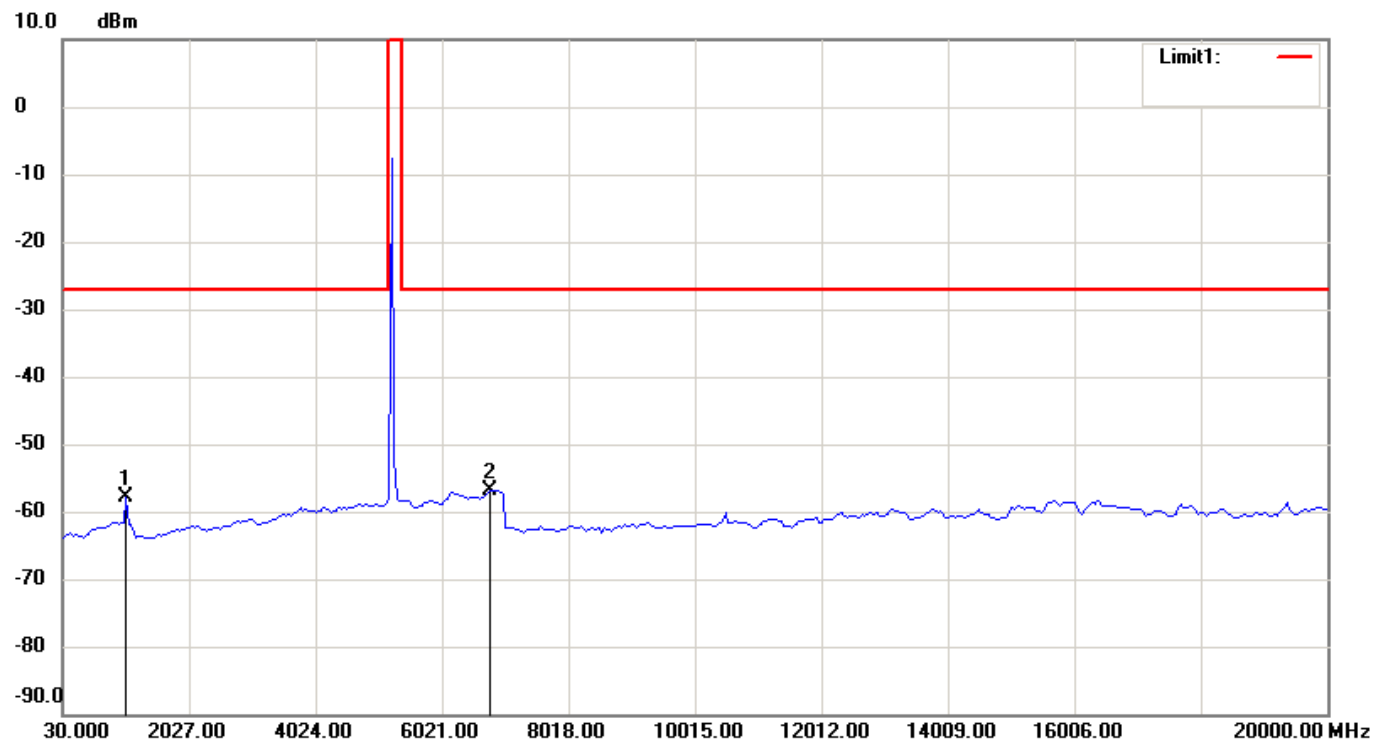
File: 20-07-MAS-052_5-2ax20_Ant2
 Site: RF-Cond01

#18

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20_Channel 48_Spurious-1

RF Conducted
 Sweep Time: 79.9ms Att.: 15dB
 RBW: 1000 KHz VBW: 1000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	1028.50000	-57.82
2	6779.86000	-56.84

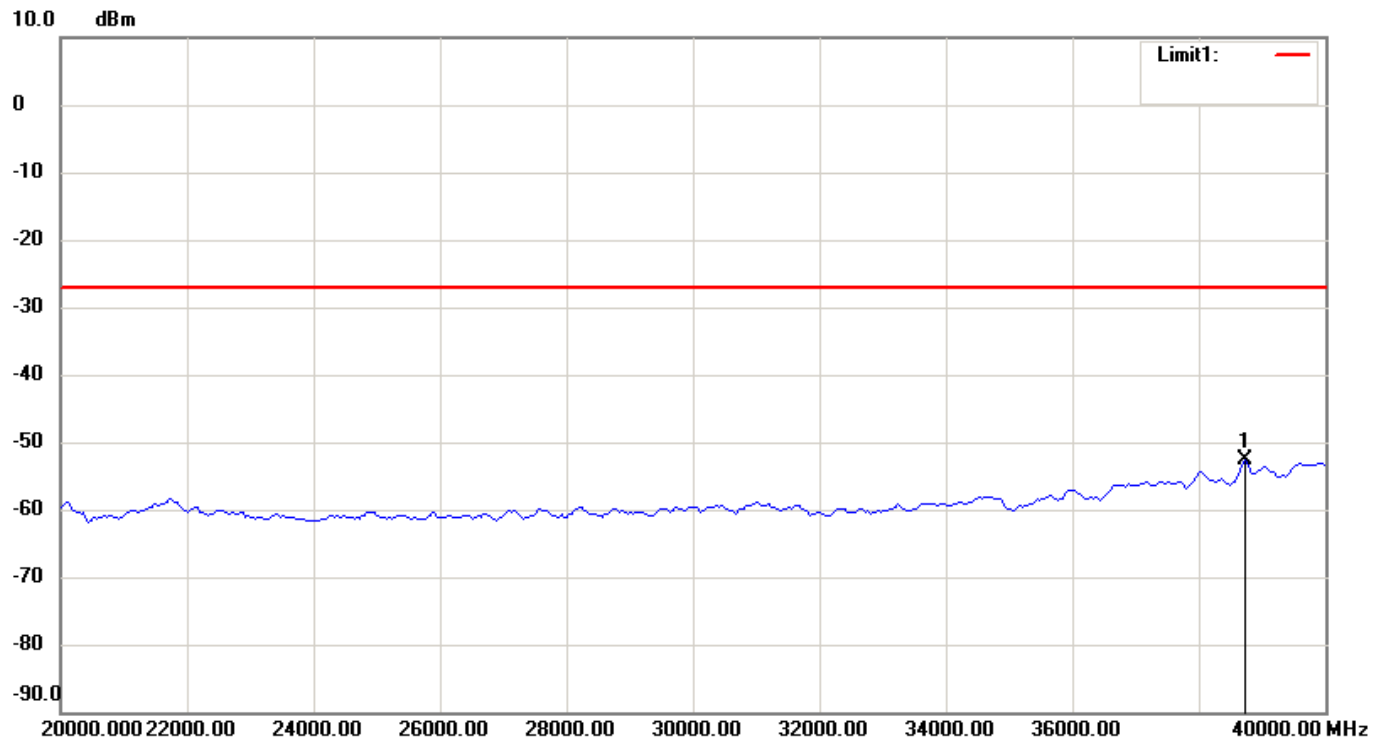
File: 20-07-MAS-052_5-2ax20_Ant2
Site: RF-Cond01

#19

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 48_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-52.73

9.4.3 調變技術: IEEE 802.11ax (40MHz)

9.4.3.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

註: 1. 繪圖資料請參考第 172-175 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 40\text{GHz}$)

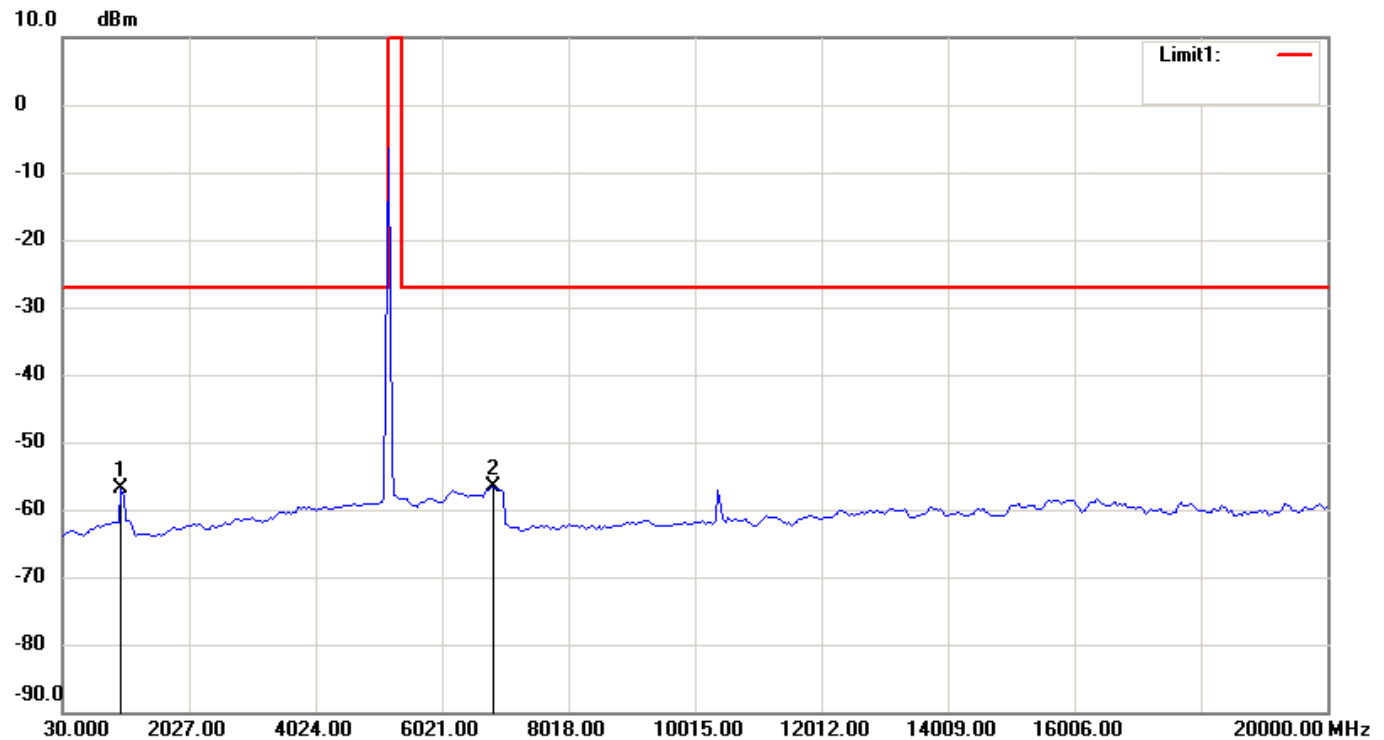
File: 20-07-MAS-052_5-2ax40_Ant1
Site: RF-Cond01

#5

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 38_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	948.6200	-56.76
2	6819.80000	-56.70

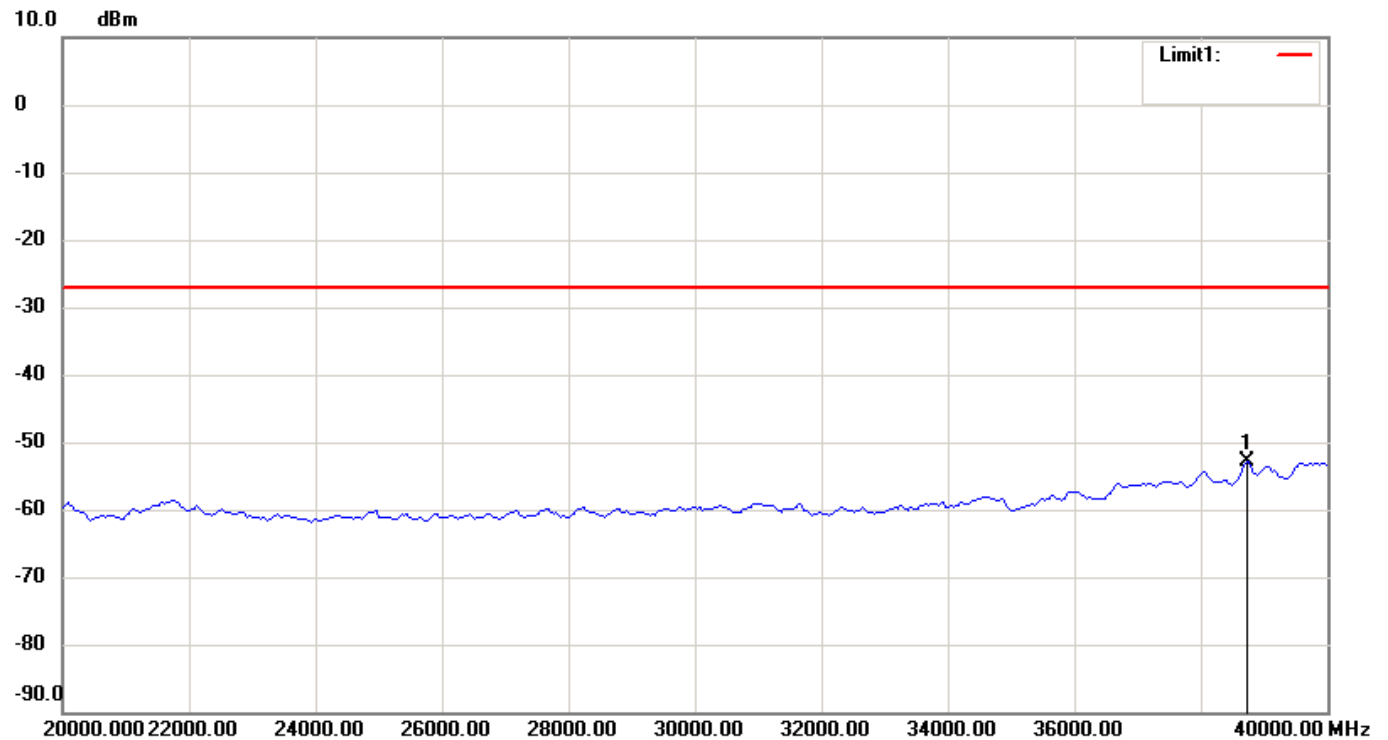
File: 20-07-MAS-052_5-2ax40_Ant1
Site: RF-Cond01

#6

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 38_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-52.90

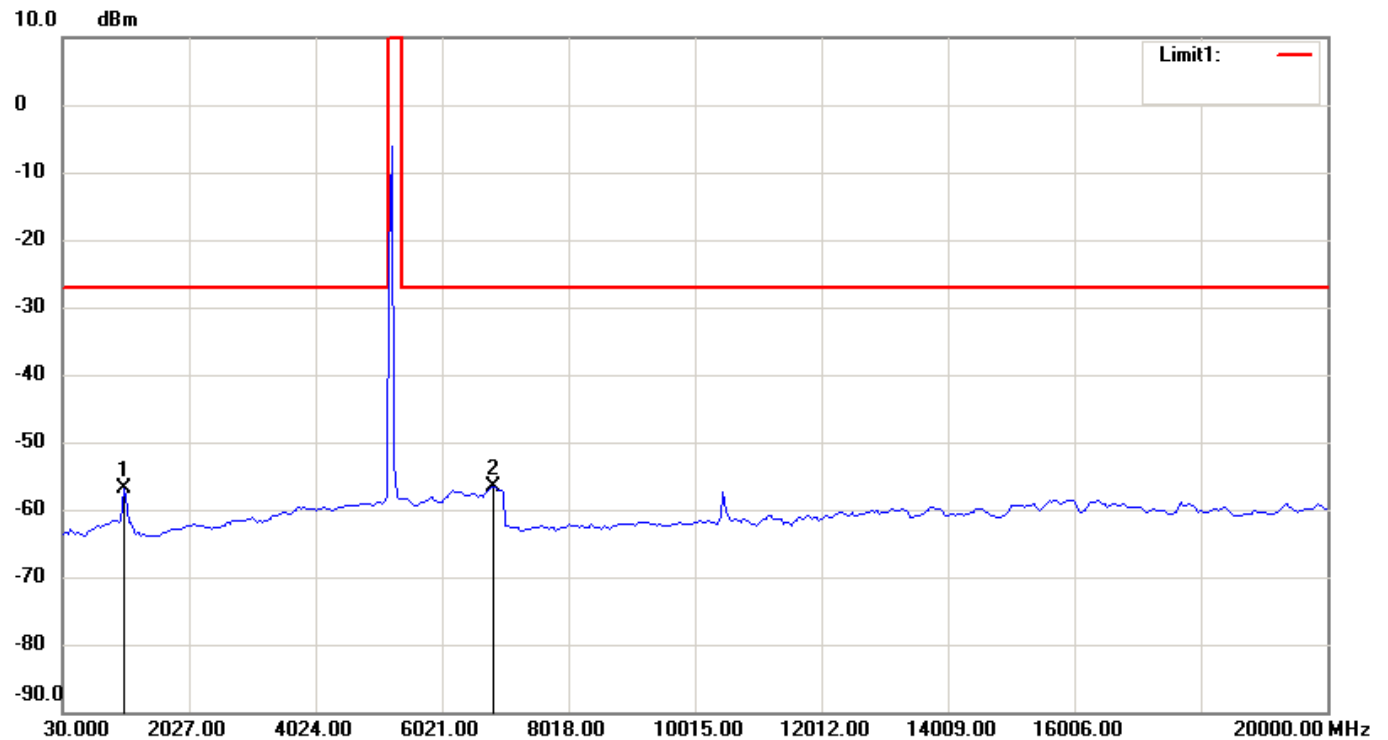
File: 20-07-MAS-052_5-2ax40_Ant1
Site: RF-Cond01

#12

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 46_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	988.5600	-56.88
2	6819.80000	-56.56

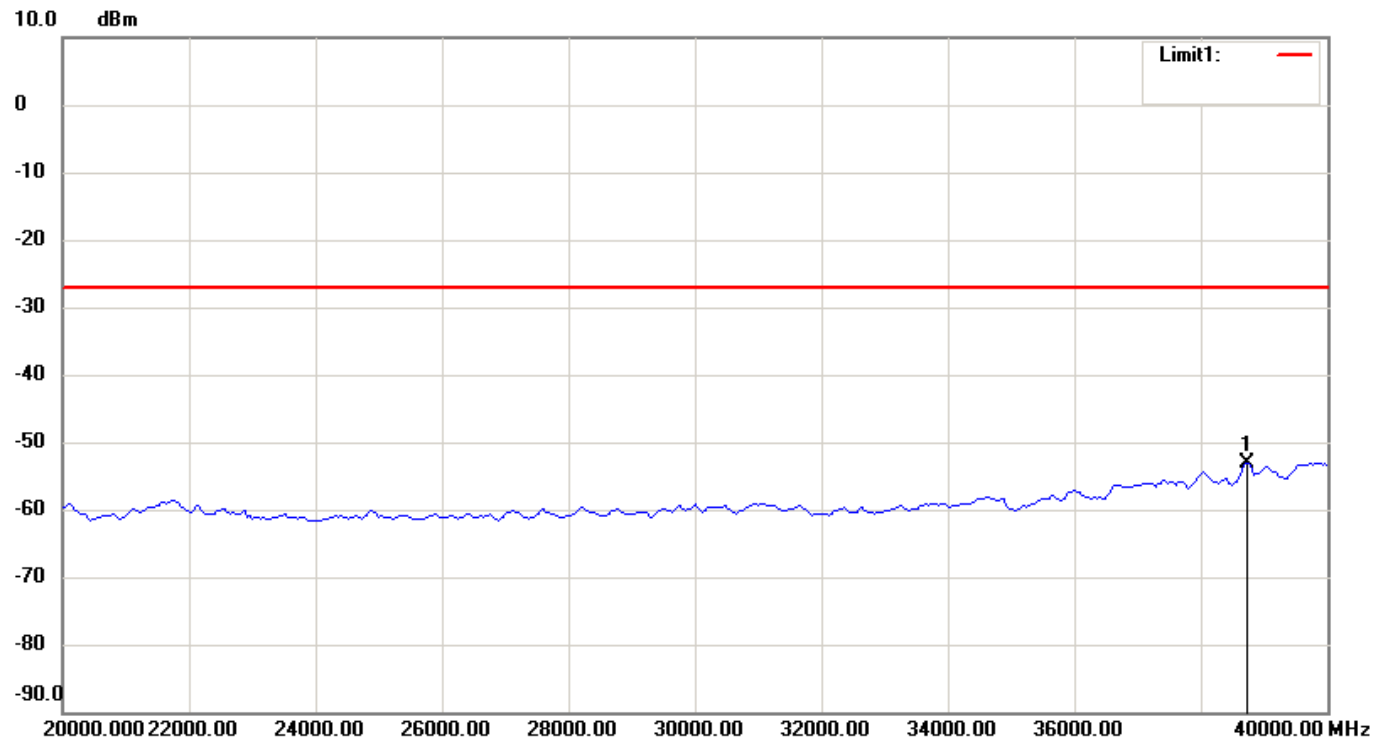
File: 20-07-MAS-052_5-2ax40_Ant1
Site: RF-Cond01

#13

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 46_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-53.08

9.4.3.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

註: 1. 繪圖資料請參考第 177-180 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 40\text{GHz}$)

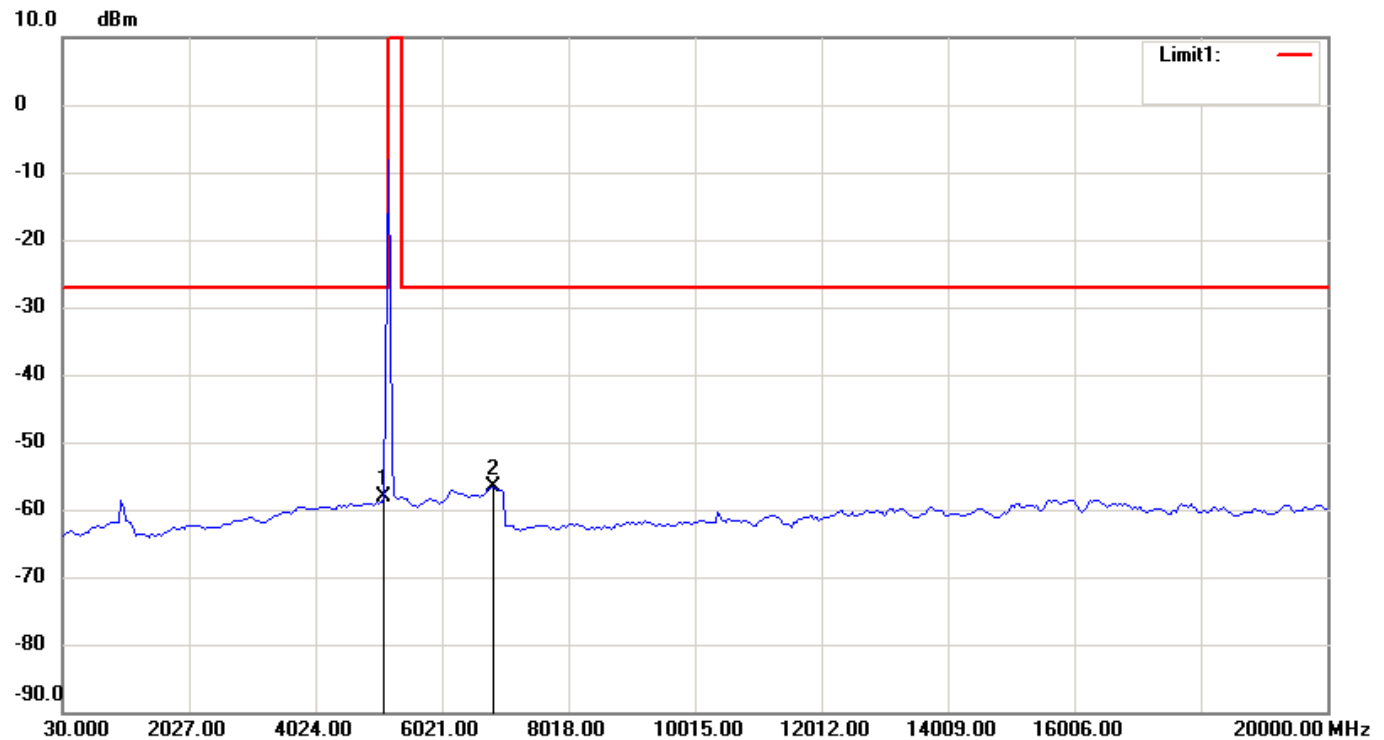
File: 20-07-MAS-052_5-2ax40_Ant2
Site: RF-Cond01

#5

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 38_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5102.38000	-58.15
2	6819.80000	-56.73

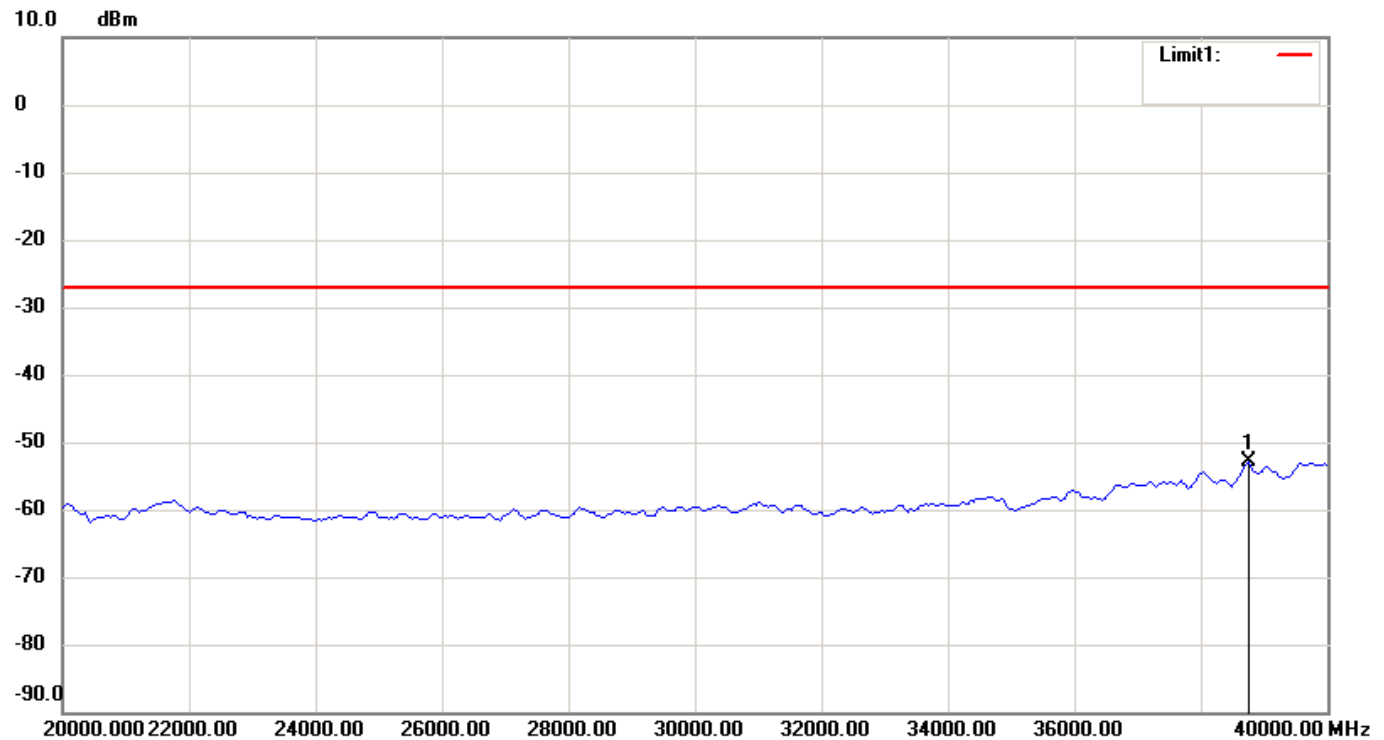
File: 20-07-MAS-052_5-2ax40_Ant2
Site: RF-Cond01

#6

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 38_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.96

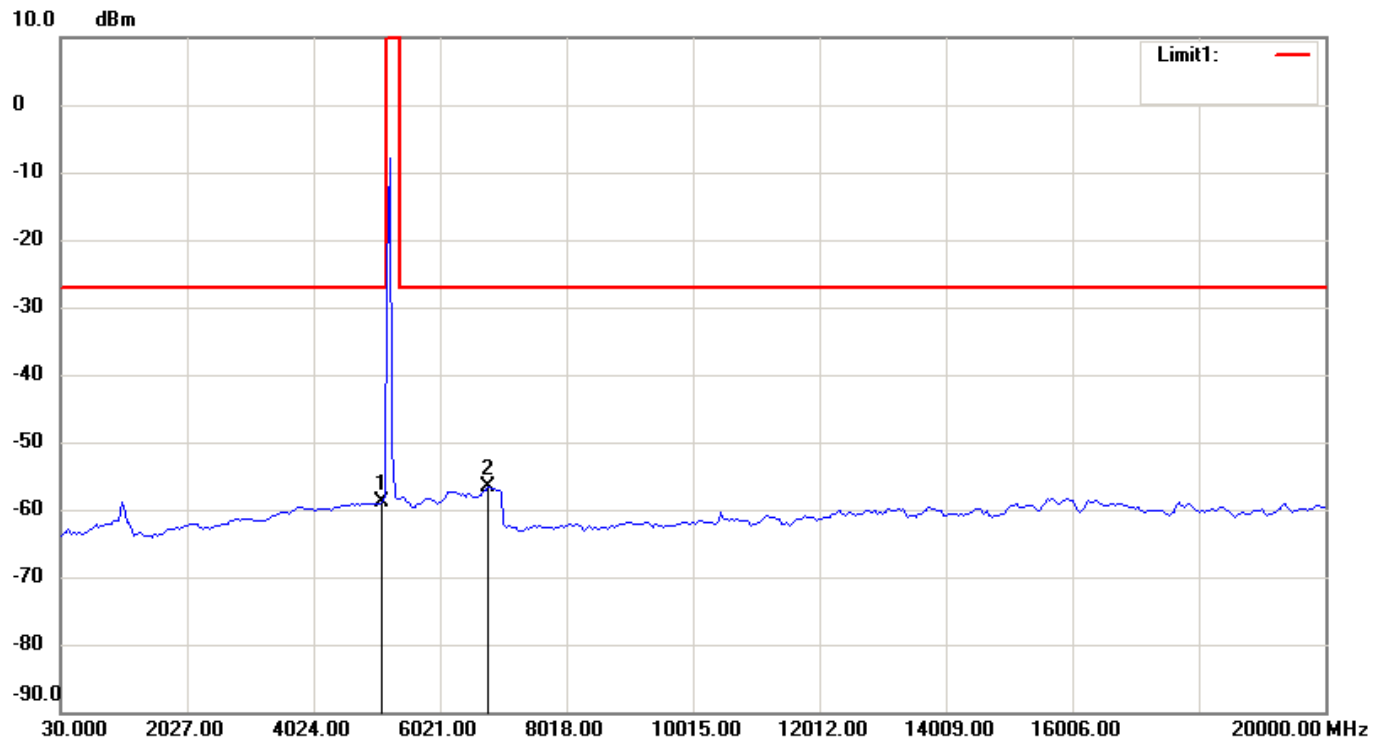
File: 20-07-MAS-052_5-2ax40_Ant2
Site: RF-Cond01

#12

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 46_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5102.38000	-58.85
2	6779.86000	-56.70

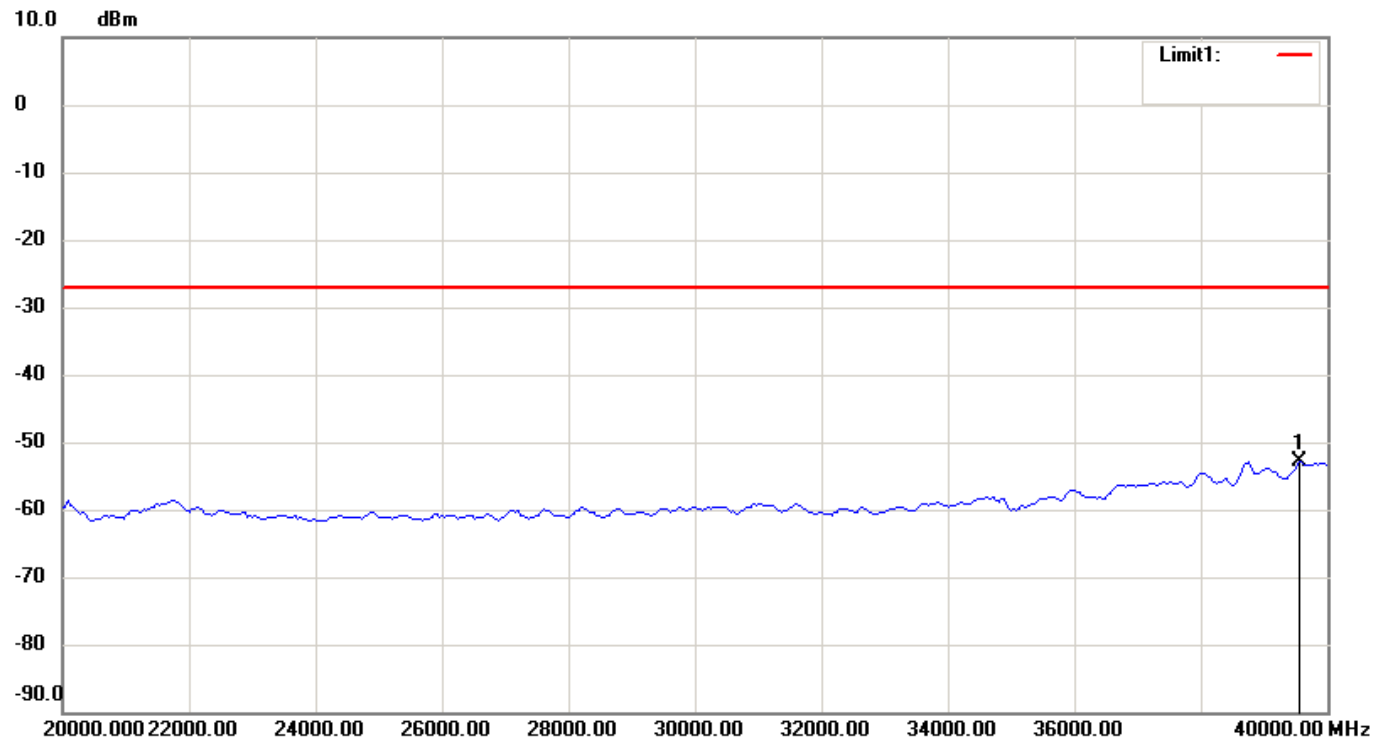
File: 20-07-MAS-052_5-2ax40_Ant2
Site: RF-Cond01

#13

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 46_Spurious-2

RF Conducted
Sweep Time: 80ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	39560.00000	-52.96

9.4.4 調變技術: IEEE 802.11ax (80MHz)

9.4.4.1 CHAIN 0

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

註: 1. 繪圖資料請參考第 182-183 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 40\text{GHz}$)

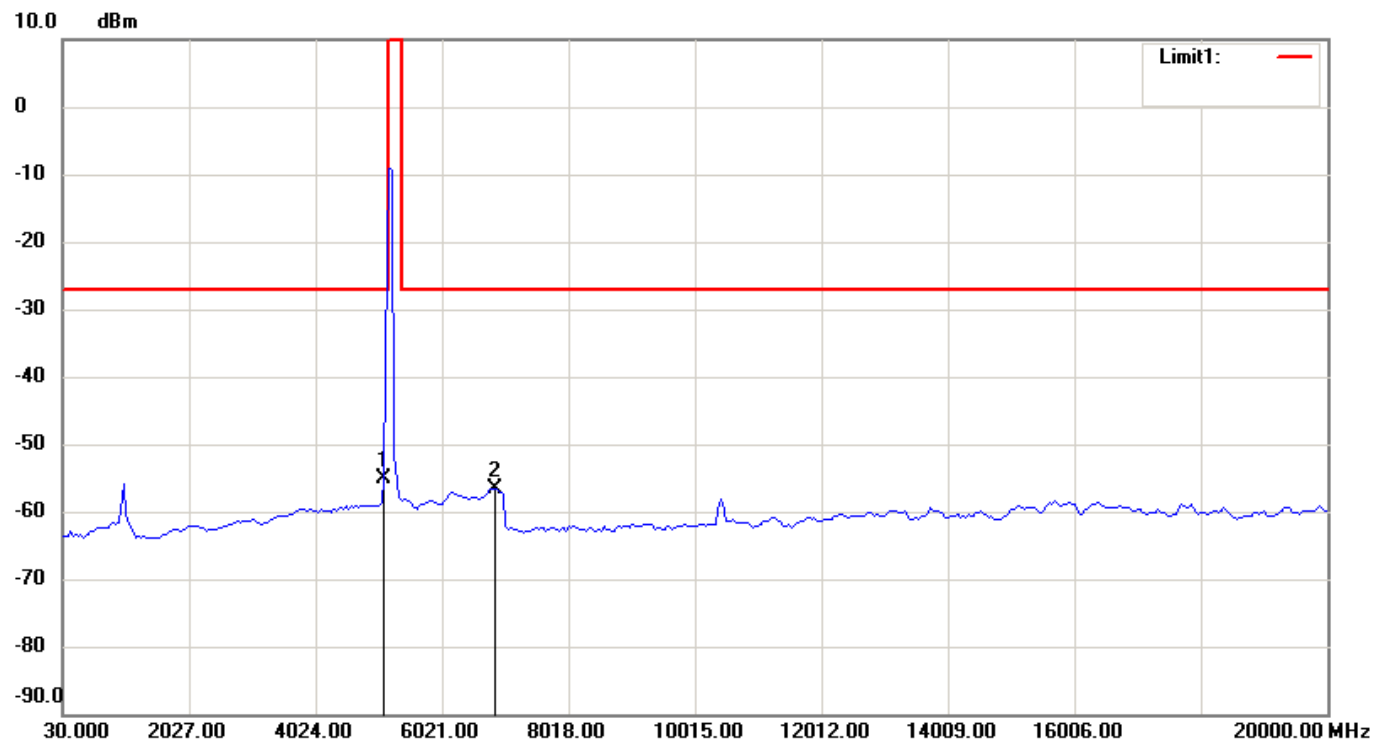
File: 20-07-MAS-052_5-2ax80_Ant1
Site: RF-Cond01

#15

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 42_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5102.38000	-55.00
2	6859.74000	-56.66

File: 20-07-MAS-052_5-2ax80_Ant1

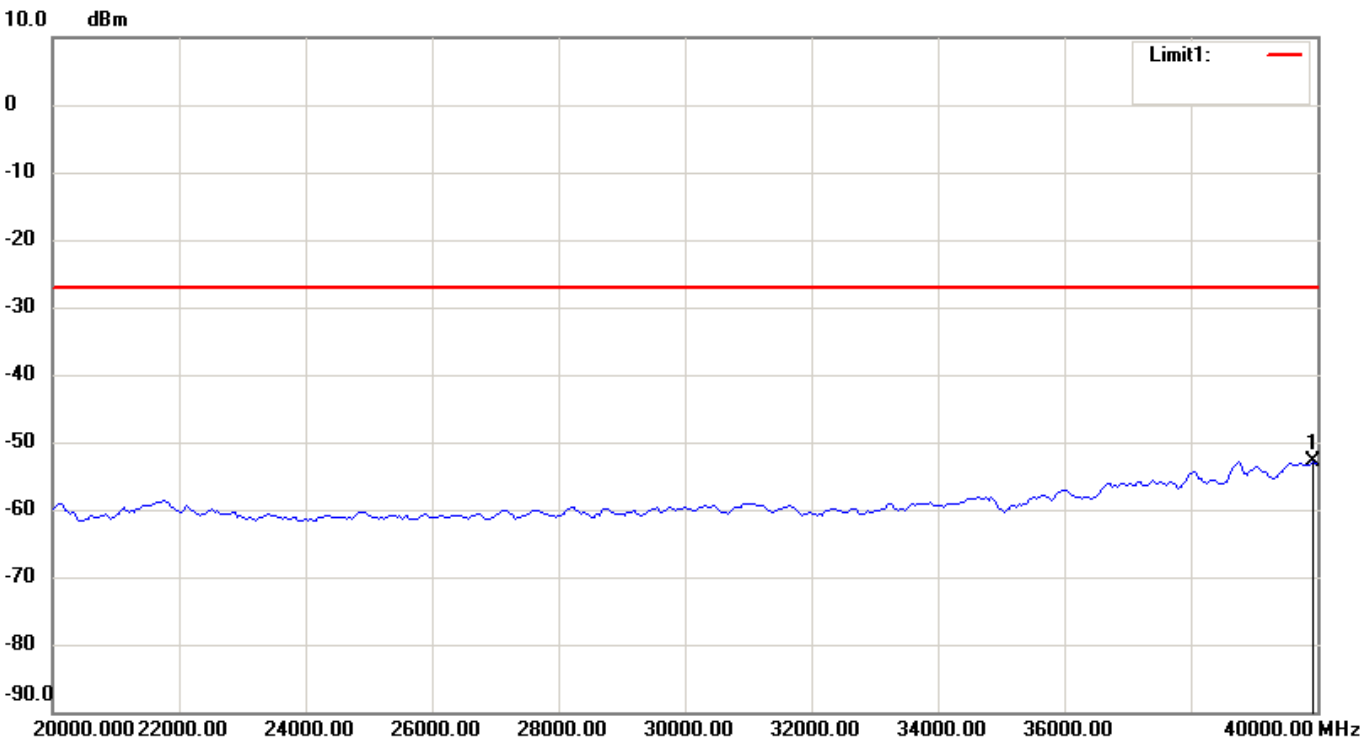
#16

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 80ms Att.: 15dB

Model: CFI-1018A

RBW: 1000 KHz VBW: 1000 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax80_Channel 42_Spurious-2

No.	Frequency(MHz)	Level(dBm)
1	39920.00000	-52.85

9.4.4.2 CHAIN 1

測試日期: Jul. 29, 2020

環境溫度: 24°C

環境濕度: 52%

註：1. 繪圖資料請參考第 185-186 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 40\text{GHz}$)

9.5 結果判定

混附波之發射皆低於限值，符合標準規定。

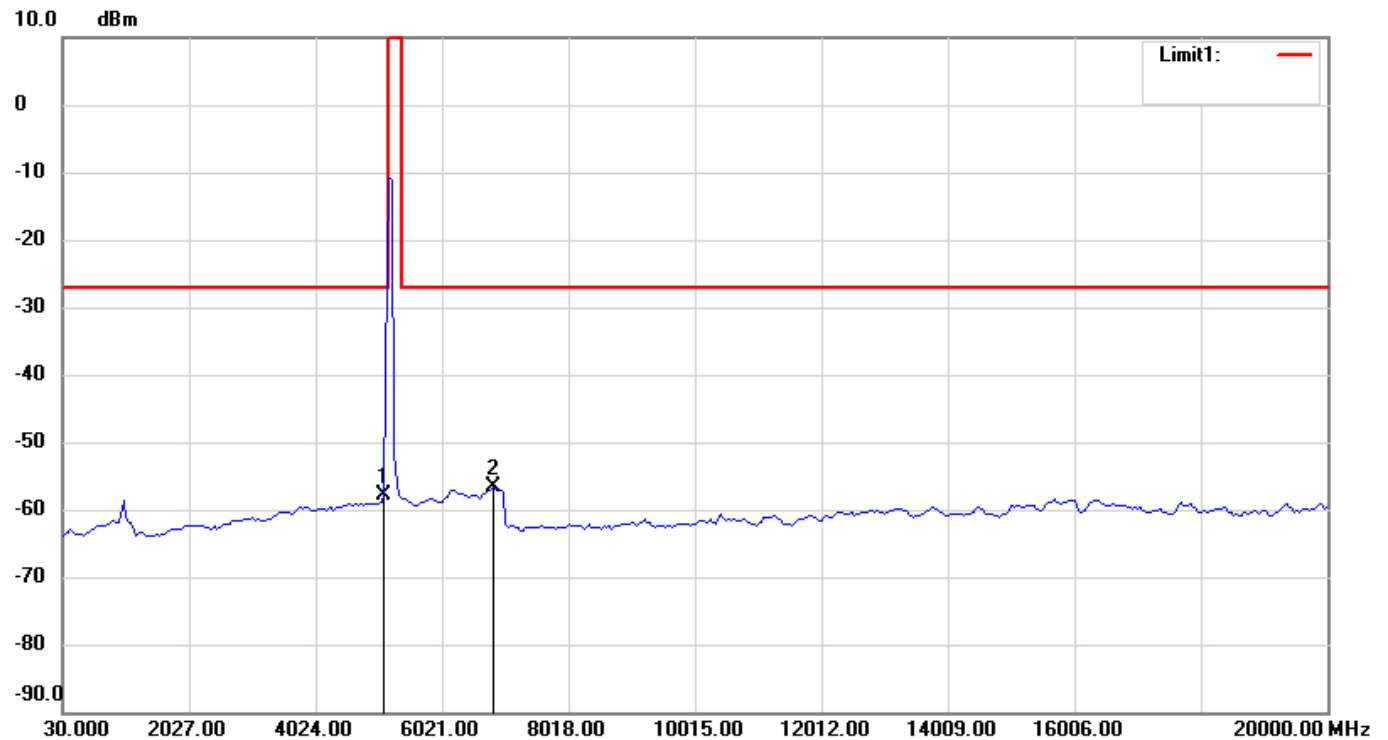
File: 20-07-MAS-052_5-2ax80_Ant2
Site: RF-Cond01

#5

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 42_Spurious-1

RF Conducted
Sweep Time: 79.9ms Att.: 15dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5102.38000	-57.75
2	6819.80000	-56.62

File: 20-07-MAS-052_5-2ax80_Ant2

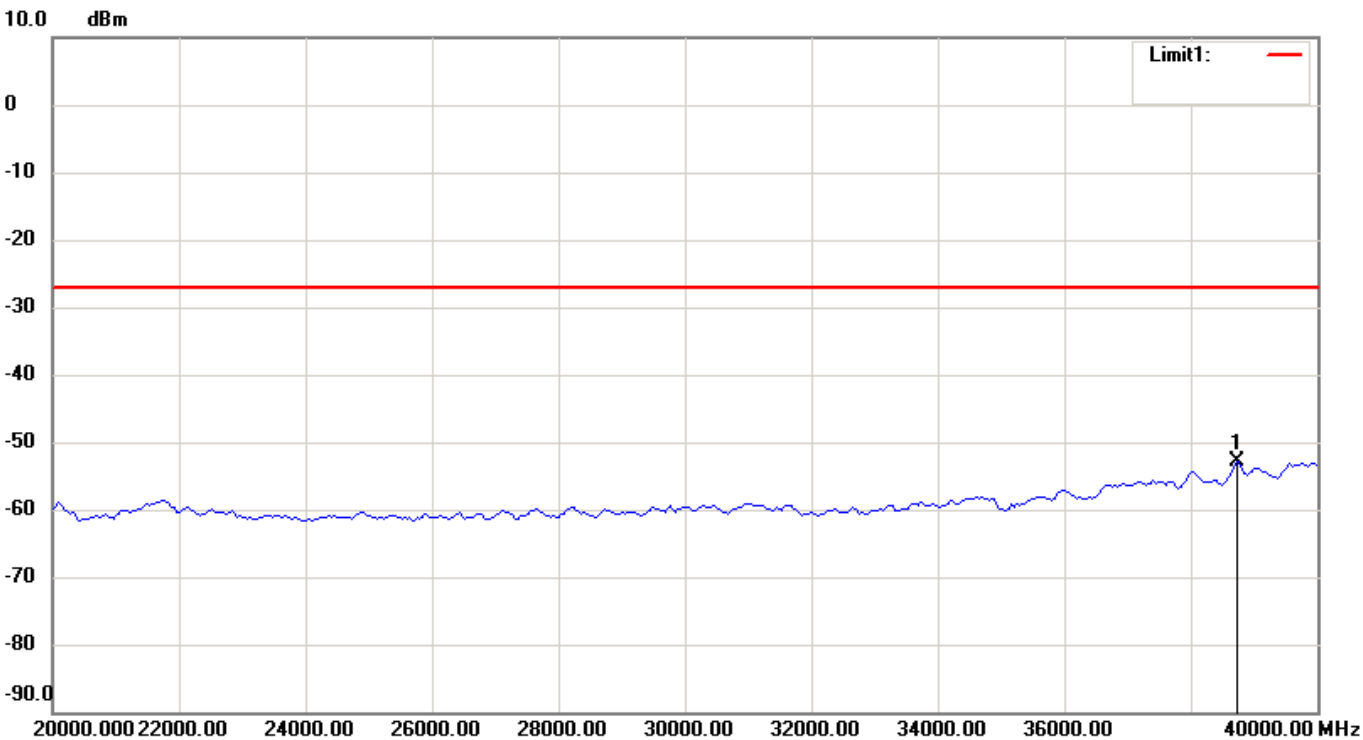
#6

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 42_Spurious-2

RF Conducted

Sweep Time: 80ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	38720.00000	-52.87

10 場強輻射之量測

10.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.4.5 節之規定，在 1GHz 以下的不必要之發射，應符合第 2.8 節之規定，任何使用交流市電為供應電之設備亦須符合第 2.3 節之電源線傳導限制值。

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.4.6 節之規定，不必要發射頻率屬 2.7 規定頻段者，應符合 2.8 節之規定。

10.2 量測方法

將待測物置於非金屬桌面，使其在測試模式狀態，且設定為高、中、低各頻道產生最高最大傳導輸出功率的傳輸速率，接收天線置於3米外，且桌面要360度旋轉，另外接收天線也要從1米至4米升降變化，接收天線置於水平、垂直極向各執行測試一次。待測物若為手持式則分別要以三軸相放置，並分別測試以找出最大輻射電場強度。

10.3 量測場強輻射之儀器

(1)量測儀器

儀器名稱	製造者	型號
EMI Receiver	R&S	ESCI
Spectrum Analyzer	R&S	FSU46
Horn Aantenna	EMCO	3117
Horn Aantenna	EMCO	3116
PRE-Amplifier	Agilent	8449B
PRE-Amplifier	Agilent	8447D
BiLog Aantenna	ETC	MCTD 2786
PRE-Amplifier	Agilent	83051A
Spectrum Analyzer	R&S	FSV

測試軟體: LZ-RF (Ver. ETC-3A2)

(2)儀器設定

Frequency Bnd (MHz)	Instrument	Function	Resolution Bndwidth	Video Bndwidth
30 to 1000	RF Test Receiver	Quasi-Peak	120 kHz	300 kHz
	RF Test Receiver	Peak	120 kHz	300 kHz
Above 1000	Spectrum Analyzer	Peak	1 MHz	1 MHz
	Spectrum Analyzer	Average	1 MHz	10 Hz

10.4 場強度之計算

場強之計算公式如下

$$\text{結果值} = \text{讀值} + \text{校正因子}$$

其中校正因子為：

天線因子+饋線損失+濾波器損失（若有使用）-放大器增益（若有使用）
量測結果請見下頁。

10.5 場強輻射之量測結果

測試工程師: 羅世勇

測試日期: Aug. 13, 2020

環境溫度: 24°C

環境濕度: 63%

10.5.1 諧波發射量測值

10.5.1.1 調變技術: IEEE 802.11a

a. Channel Low

基本波頻率 : 5180 MHz

輻射 頻率 (MHz)	天線 極性 H/V	機器讀值 (dBuV/m)@3m		校正 因子 (dB)	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse) (dB)
		Peak	AVG		Peak	AVG	Peak	AVG	
10360.0000	H	---	---	3.40	---	---	74.0	54.0	---
10360.0000	V	---	---	3.40	---	---	74.0	54.0	---
15540.0000	H	---	---	3.92	---	---	74.0	54.0	---
15540.0000	V	---	---	3.92	---	---	74.0	54.0	---
20720.0000	H	---	---	-4.72	---	---	74.0	54.0	---
20720.0000	V	---	---	-4.72	---	---	74.0	54.0	---
25900.0000	H	---	---	-5.94	---	---	74.0	54.0	---
25900.0000	V	---	---	-5.94	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

b. Channel Mid

基本波頻率：5200 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
10400.0000	H	---	---	3.46	---	---	74.0	54.0	---
10400.0000	V	---	---	3.46	---	---	74.0	54.0	---
15600.0000	H	---	---	3.80	---	---	74.0	54.0	---
15600.0000	V	---	---	3.80	---	---	74.0	54.0	---
20800.0000	H	---	---	-4.66	---	---	74.0	54.0	---
20800.0000	V	---	---	-4.66	---	---	74.0	54.0	---
26000.0000	H	---	---	-6.20	---	---	74.0	54.0	---
26000.0000	V	---	---	-6.20	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

c. Channel High

基本波頻率：5240 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
10480.0000	H	---	---	3.52	---	---	74.0	54.0	---
10480.0000	V	---	---	3.52	---	---	74.0	54.0	---
15720.0000	H	---	---	3.68	---	---	74.0	54.0	---
15720.0000	V	---	---	3.68	---	---	74.0	54.0	---
20960.0000	H	---	---	-4.60	---	---	74.0	54.0	---
20960.0000	V	---	---	-4.60	---	---	74.0	54.0	---
26200.0000	H	---	---	-6.16	---	---	74.0	54.0	---
26200.0000	V	---	---	-6.16	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.1.2 調變技術: IEEE 802.11ax (20MHz)

a. Channel Low

基本波頻率 : 5180 MHz

輻射 頻率 (MHz)	天線 極性 H/V	機器讀值 (dBuV/m)@3m		校正 因子 (dB)	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse) (dB)
		Peak	AVG		Peak	AVG	Peak	AVG	
10360.0000	H	---	---	3.40	---	---	74.0	54.0	---
10360.0000	V	---	---	3.40	---	---	74.0	54.0	---
15540.0000	H	---	---	3.92	---	---	74.0	54.0	---
15540.0000	V	---	---	3.92	---	---	74.0	54.0	---
20720.0000	H	---	---	-4.72	---	---	74.0	54.0	---
20720.0000	V	---	---	-4.72	---	---	74.0	54.0	---
25900.0000	H	---	---	-5.94	---	---	74.0	54.0	---
25900.0000	V	---	---	-5.94	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

b. Channel Mid

基本波頻率：5200 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
10400.0000	H	---	---	3.46	---	---	74.0	54.0	---
10400.0000	V	---	---	3.46	---	---	74.0	54.0	---
15600.0000	H	---	---	3.80	---	---	74.0	54.0	---
15600.0000	V	---	---	3.80	---	---	74.0	54.0	---
20800.0000	H	---	---	-4.66	---	---	74.0	54.0	---
20800.0000	V	---	---	-4.66	---	---	74.0	54.0	---
26000.0000	H	---	---	-6.20	---	---	74.0	54.0	---
26000.0000	V	---	---	-6.20	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度： $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

c. Channel High

基本波頻率：5240 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
10480.0000	H	---	---	3.52	---	---	74.0	54.0	---
10480.0000	V	---	---	3.52	---	---	74.0	54.0	---
15720.0000	H	---	---	3.68	---	---	74.0	54.0	---
15720.0000	V	---	---	3.68	---	---	74.0	54.0	---
20960.0000	H	---	---	-4.60	---	---	74.0	54.0	---
20960.0000	V	---	---	-4.60	---	---	74.0	54.0	---
26200.0000	H	---	---	-6.16	---	---	74.0	54.0	---
26200.0000	V	---	---	-6.16	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

10.5.1.3 調變技術:IEEE 802.11ax (40MHz)

a. Channel High

基本波頻率 : 5190 MHz

輻射 頻率 (MHz)	天線 極性 H/V	機器讀值 (dBuV/m)@3m		校正 因子 (dB)	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse) (dB)
		Peak	AVG		Peak	AVG	Peak	AVG	
10380.0000	H	---	---	3.44	---	---	74.0	54.0	---
10380.0000	V	---	---	3.44	---	---	74.0	54.0	---
15570.0000	H	---	---	3.85	---	---	74.0	54.0	---
15570.0000	V	---	---	3.85	---	---	74.0	54.0	---
20760.0000	H	---	---	-4.69	---	---	74.0	54.0	---
20760.0000	V	---	---	-4.69	---	---	74.0	54.0	---
25950.0000	H	---	---	-6.07	---	---	74.0	54.0	---
25950.0000	V	---	---	-6.07	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

b. Channel Low

基本波頻率：5230 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
10460.0000	H	---	---	3.54	---	---	74.0	54.0	---
10460.0000	V	---	---	3.54	---	---	74.0	54.0	---
15690.0000	H	---	---	3.62	---	---	74.0	54.0	---
15690.0000	V	---	---	3.62	---	---	74.0	54.0	---
20920.0000	H	---	---	-4.56	---	---	74.0	54.0	---
20920.0000	V	---	---	-4.56	---	---	74.0	54.0	---
26150.0000	H	---	---	-6.14	---	---	74.0	54.0	---
26150.0000	V	---	---	-6.14	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.1.4 IEEE 802.11ax (80MHz)

Channel High

基本波頻率：5210 MHz

輻射 頻率 (MHz)	天線 極性 H/V	機器讀值 (dBuV/m)@3m		校正 因子 (dB)	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse) (dB)
		Peak	AVG		Peak	AVG	Peak	AVG	
10420.0000	H	---	---	3.48	---	---	74.0	54.0	---
10420.0000	V	---	---	3.48	---	---	74.0	54.0	---
15630.0000	H	---	---	3.75	---	---	74.0	54.0	---
15630.0000	V	---	---	3.75	---	---	74.0	54.0	---
20840.0000	H	---	---	-4.63	---	---	74.0	54.0	---
20840.0000	V	---	---	-4.63	---	---	74.0	54.0	---
26050.0000	H	---	---	-6.18	---	---	74.0	54.0	---
26050.0000	V	---	---	-6.18	---	---	74.0	54.0	---

註：

1. 標記“---”表發射之訊號太弱而儀器無法量測。
2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.2 諧波及其它不必要之訊號測試圖

10.5.2.1 調變技術: IEEE 802.11a

a. Channel Low

操作模式：發射接收

基本波頻率：5180 MHz

File: 20-07-MAS-052-5-2a

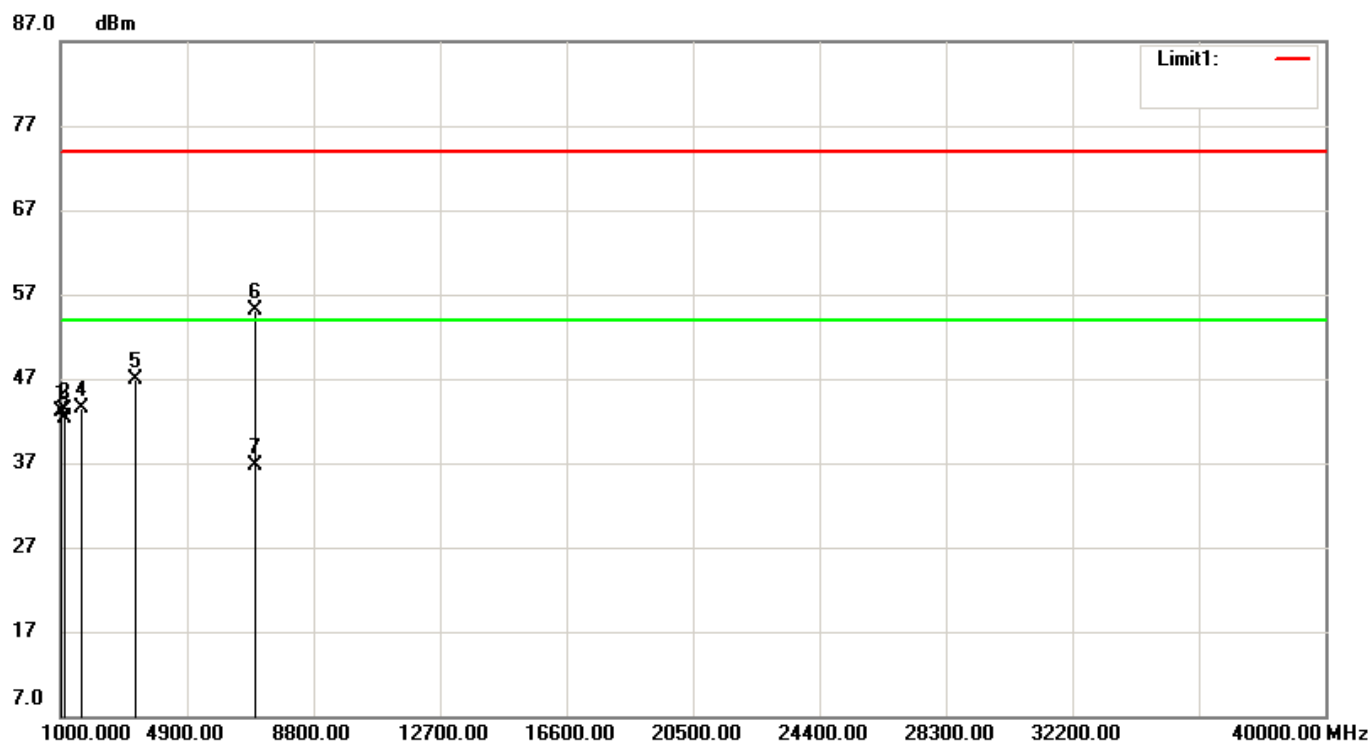
#37

Date: 2020/8/13

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_Above1G_Pk
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: UNII
 Note: CH LOW-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

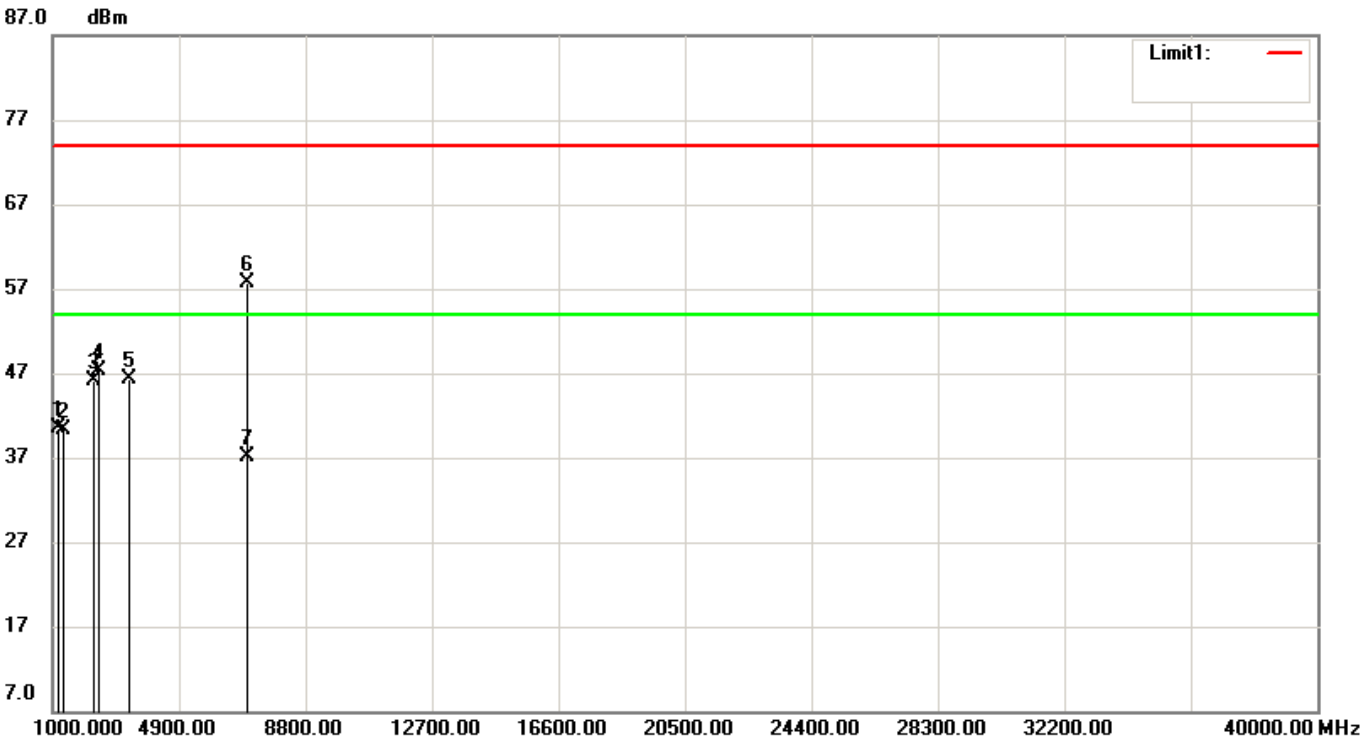
No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1039.90380	52.48	peak	-9.37	43.11	74.00	-30.89
2	1073.15700	52.50	peak	-9.28	43.22	74.00	-30.78
3	1113.06080	51.51	peak	-9.18	42.33	74.00	-31.67
4	1598.55760	50.71	peak	-7.30	43.41	74.00	-30.59
5	3287.82050	48.39	peak	-1.47	46.92	74.00	-27.08
6	6996.61360	51.61	peak	3.42	55.03	74.00	-18.97
7*	6996.61360	33.38	AVG	3.42	36.80	54.00	-17.20

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

操作模式：發射接收
基本波頻率：5180 MHz

File: 20-07-MAS-052-5-2a #38 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH LOW-1

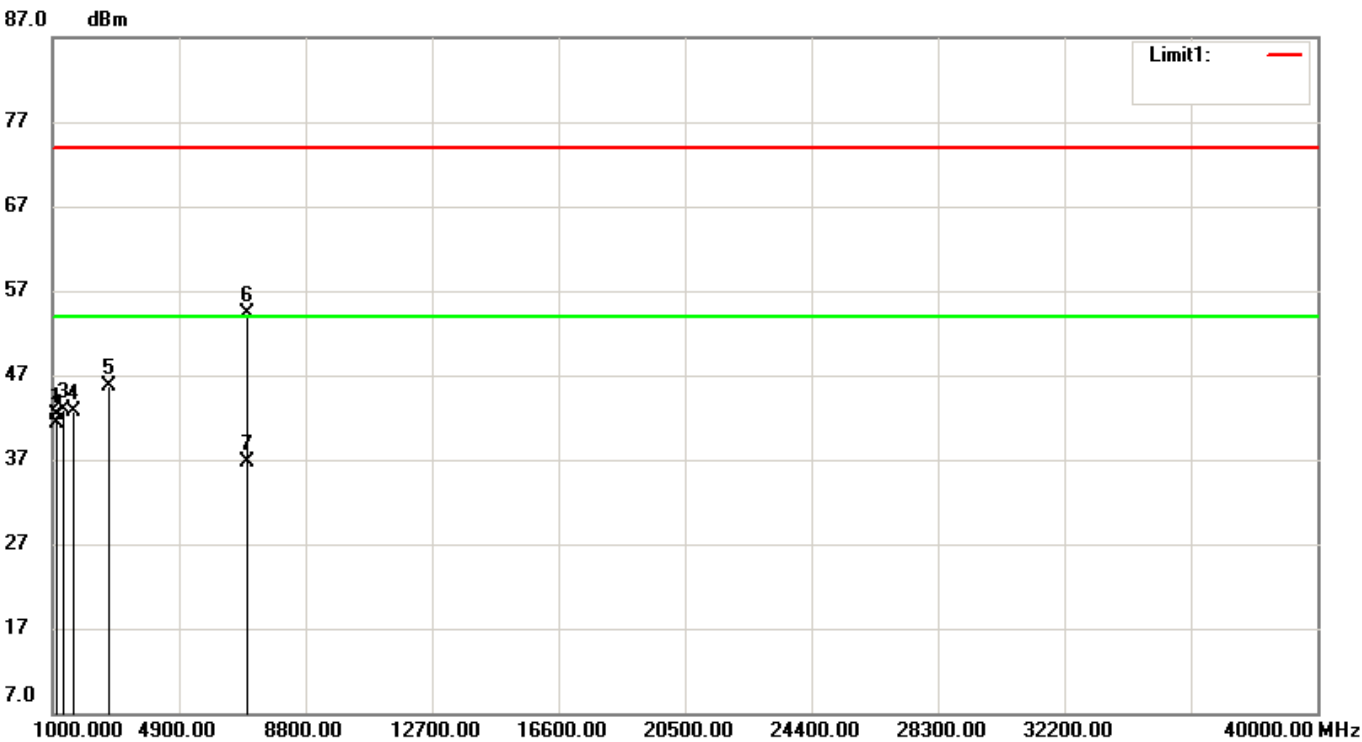
No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1146.31410	49.70	peak	-9.10	40.60	74.00	-33.40
2	1252.72430	49.22	peak	-8.82	40.40	74.00	-33.60
3	2223.71800	49.35	peak	-3.15	46.20	74.00	-27.80
4	2409.93580	49.92	peak	-2.66	47.26	74.00	-26.74
5	3314.42300	47.81	peak	-1.44	46.37	74.00	-27.63
6*	6991.80600	54.22	peak	3.42	57.64	74.00	-16.36
7	6991.80600	33.68	AVG	3.42	37.10	54.00	-16.90

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

b. Channel Mid

操作模式：發射接收
基本波頻率：5200 MHz

File: 20-07-MAS-052-5-2a #39 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



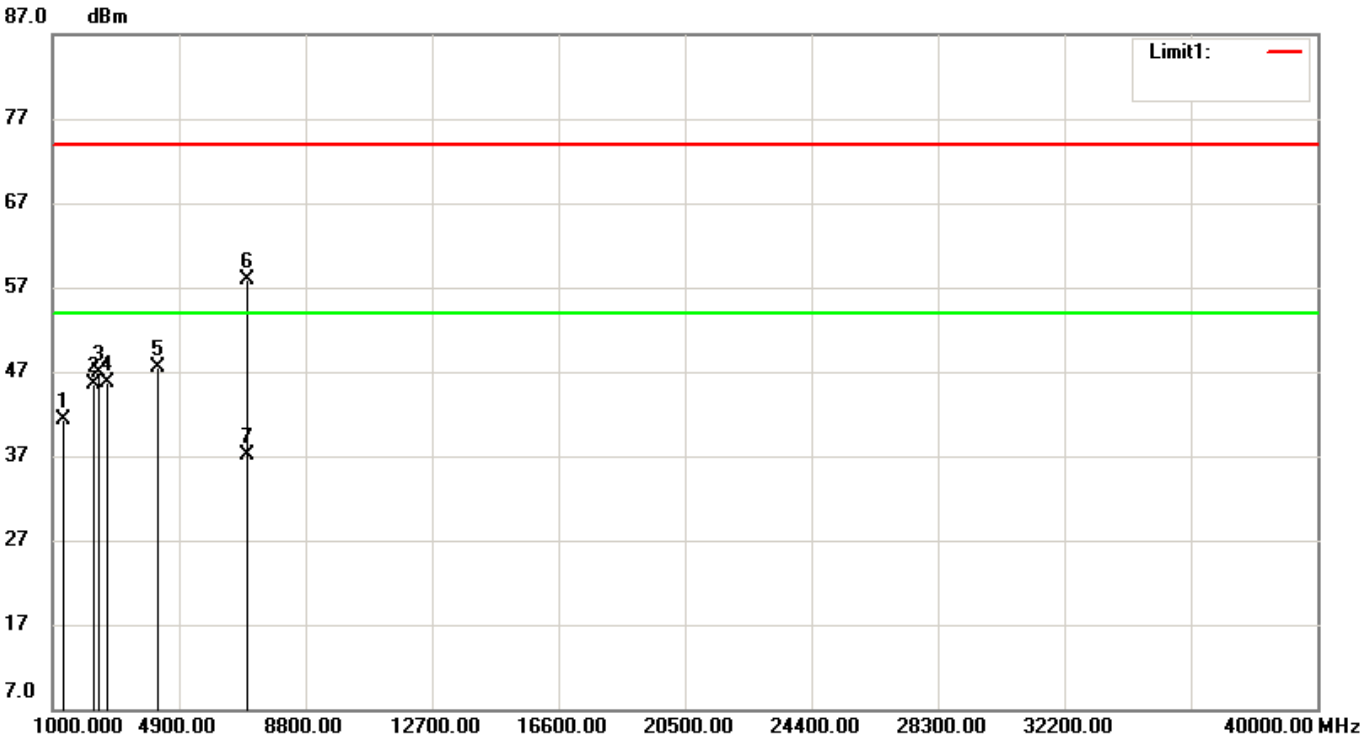
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH MID-1

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1066.50640	51.68	peak	-9.29	42.39	74.00	-31.61
2	1113.06080	50.56	peak	-9.18	41.38	74.00	-32.62
3	1252.72430	51.67	peak	-8.82	42.85	74.00	-31.15
4	1591.90700	50.11	peak	-7.36	42.75	74.00	-31.25
5	2729.16660	47.90	peak	-2.19	45.71	74.00	-28.29
6	6997.41500	50.98	peak	3.42	54.40	74.00	-19.60
7*	6997.41500	33.36	AVG	3.42	36.78	54.00	-17.22

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：發射接收
基本波頻率：5200 MHz

File: 20-07-MAS-052-5-2a #40 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH MID-1

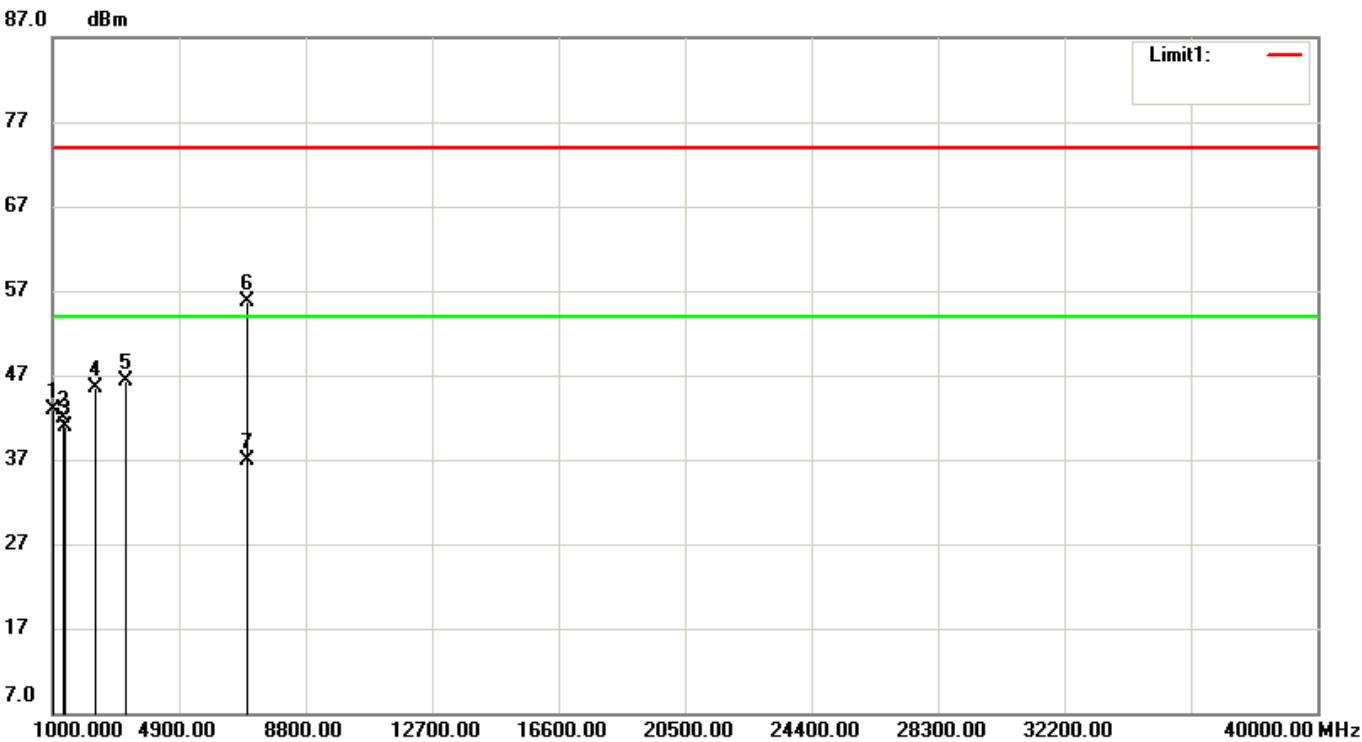
No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1279.32700	50.04	peak	-8.75	41.29	74.00	-32.71
2	2223.71800	48.61	peak	-3.15	45.46	74.00	-28.54
3	2409.93580	49.65	peak	-2.66	46.99	74.00	-27.01
4	2656.00960	48.03	peak	-2.27	45.76	74.00	-28.24
5	4238.86210	47.17	peak	0.29	47.46	74.00	-26.54
6*	6991.96620	54.51	peak	3.42	57.93	74.00	-16.07
7	6991.96620	33.69	AVG	3.42	37.11	54.00	-16.89

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

c. Channel High

操作模式：發射接收
基本波頻率：5240 MHz

File: 20-07-MAS-052-5-2a #41 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



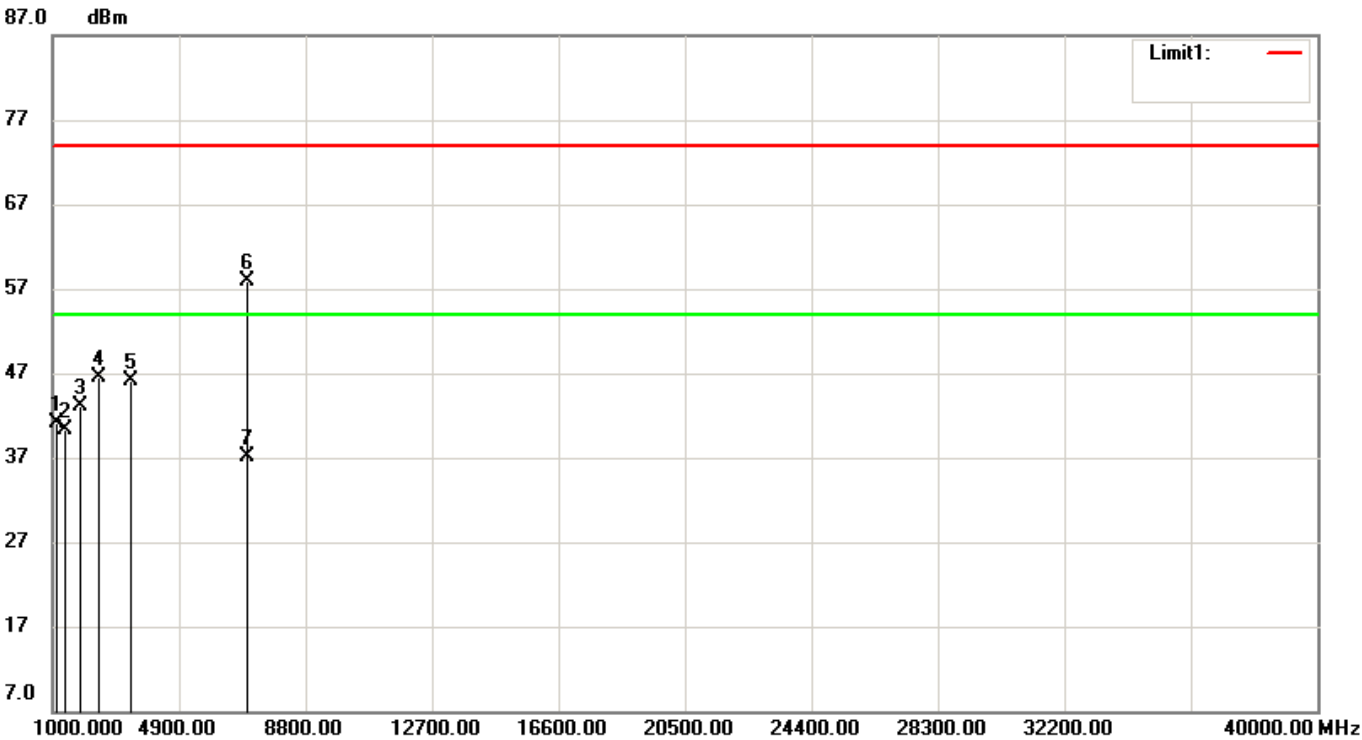
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1059.85570	52.26	peak	-9.32	42.94	74.00	-31.06
2	1252.72430	50.79	peak	-8.82	41.97	74.00	-32.03
3	1359.13460	49.55	peak	-8.55	41.00	74.00	-33.00
4	2256.97110	48.52	peak	-3.06	45.46	74.00	-28.54
5	3221.31410	47.94	peak	-1.57	46.37	74.00	-27.63
6	6948.54310	52.21	peak	3.40	55.61	74.00	-18.39
7*	6948.54310	33.46	AVG	3.40	36.86	54.00	-17.14

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：發射接收
基本波頻率：5240 MHz

File: 20-07-MAS-052-5-2a #42 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1066.50640	50.34	peak	-9.29	41.05	74.00	-32.95
2	1312.58000	49.03	peak	-8.67	40.36	74.00	-33.64
3	1818.02880	48.54	peak	-5.35	43.19	74.00	-30.81
4	2409.93580	49.17	peak	-2.66	46.51	74.00	-27.49
5	3387.58010	47.49	peak	-1.33	46.16	74.00	-27.84
6*	6991.81230	54.49	peak	3.42	57.91	74.00	-16.09
7	6991.81230	33.74	AVG	3.42	37.16	54.00	-16.84

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.2.2 調變技術: IEEE 802.11ax (20MHz)

a. Channel Low

操作模式：發射接收

基本波頻率：5180 MHz

File: 20-07-MAS-052-5-2ax20

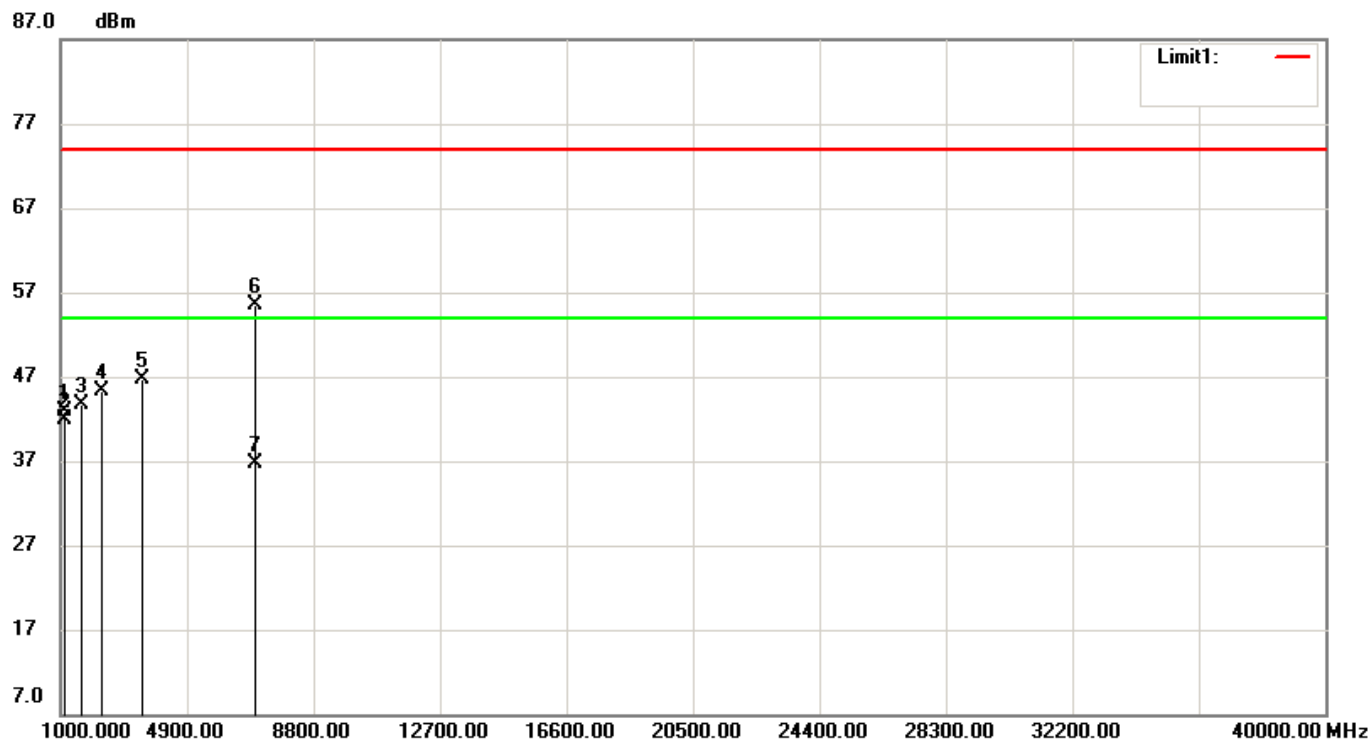
#37

Date: 2020/8/13

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_Above1G_Pk
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: UNII
 Note: CH LOW-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1066.50640	52.28	peak	-9.29	42.99	74.00	-31.01
2	1113.06080	51.07	peak	-9.18	41.89	74.00	-32.11
3	1598.55760	50.98	peak	-7.30	43.68	74.00	-30.32
4	2223.71800	48.55	peak	-3.15	45.40	74.00	-28.60
5	3493.99030	47.86	peak	-1.17	46.69	74.00	-27.31
6	6997.09440	52.07	peak	3.42	55.49	74.00	-18.51
7*	6997.09440	33.27	AVG	3.42	36.69	54.00	-17.31

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

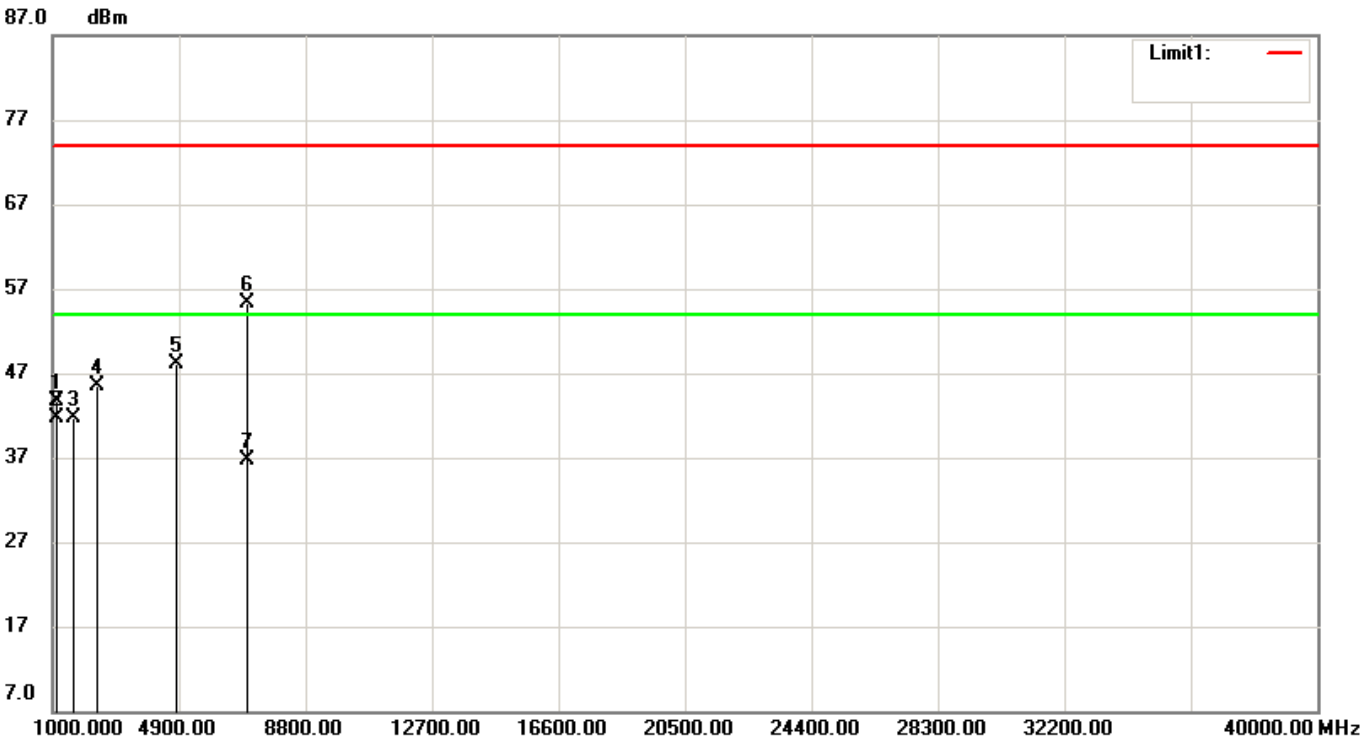
2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

Rev. No 1.0

b. Channel Mid

操作模式：發射接收
基本波頻率：5200 MHz

File: 20-07-MAS-052-5-2ax20 #39 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH MID-1

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1079.80760	52.91	peak	-9.26	43.65	74.00	-30.35
2	1119.71150	50.87	peak	-9.16	41.71	74.00	-32.29
3	1598.55760	48.91	peak	-7.30	41.61	74.00	-32.39
4	2370.03200	48.23	peak	-2.75	45.48	74.00	-28.52
5	4764.26280	47.20	peak	0.96	48.16	74.00	-25.84
6	6996.77400	51.91	peak	3.42	55.33	74.00	-18.67
7*	6996.77400	33.33	AVG	3.42	36.75	54.00	-17.25

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：發射接收

基本波頻率：5200 MHz

File: 20-07-MAS-052-5-2ax20

#40

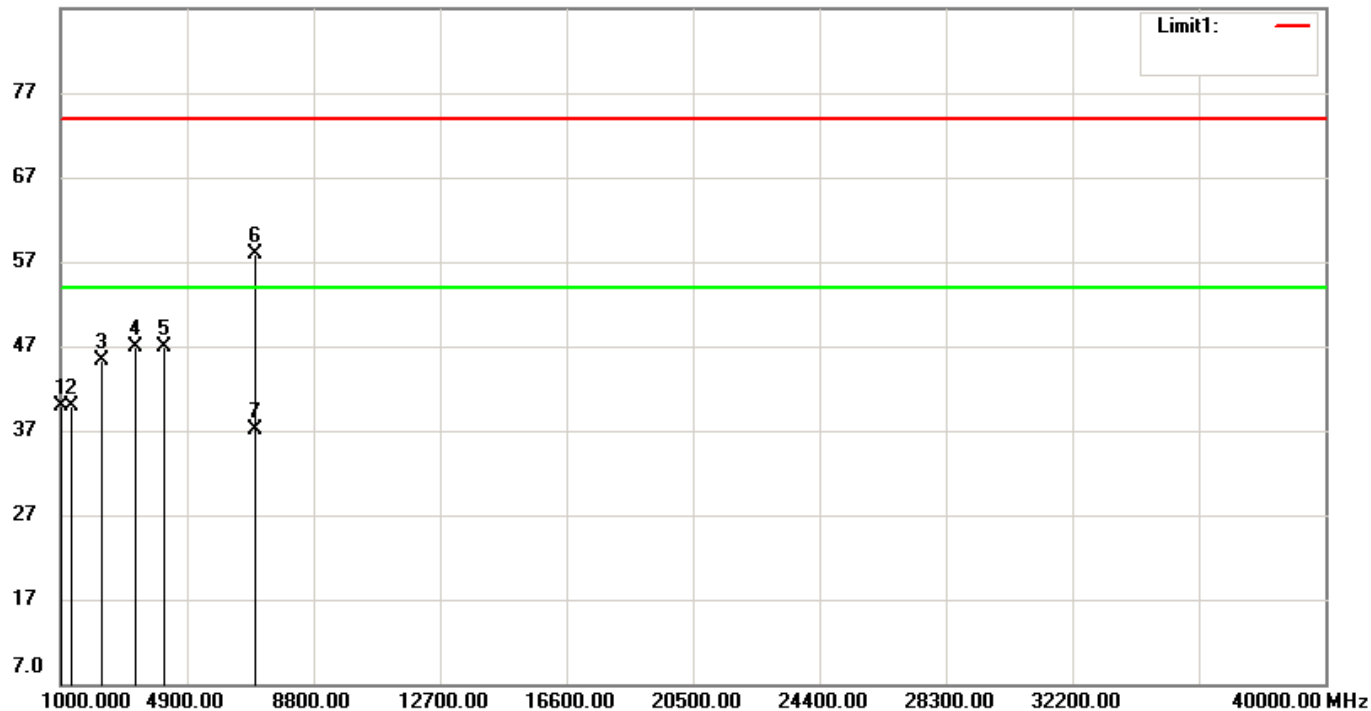
Date: 2020/8/13

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %

87.0 dBm



Condition: NCC_Above1G_Pk
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: UNII
 Note: CH MID-1

Polarization: Vertical
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1006.65060	49.33	peak	-9.45	39.88	74.00	-34.12
2	1252.72430	48.77	peak	-8.82	39.95	74.00	-34.05
3	2223.71800	48.39	peak	-3.15	45.24	74.00	-28.76
4	3254.56730	48.53	peak	-1.53	47.00	74.00	-27.00
5	4165.70510	46.64	peak	0.25	46.89	74.00	-27.11
6*	6991.80600	54.43	peak	3.42	57.85	74.00	-16.15
7	6991.80600	33.69	AVG	3.42	37.11	54.00	-16.89

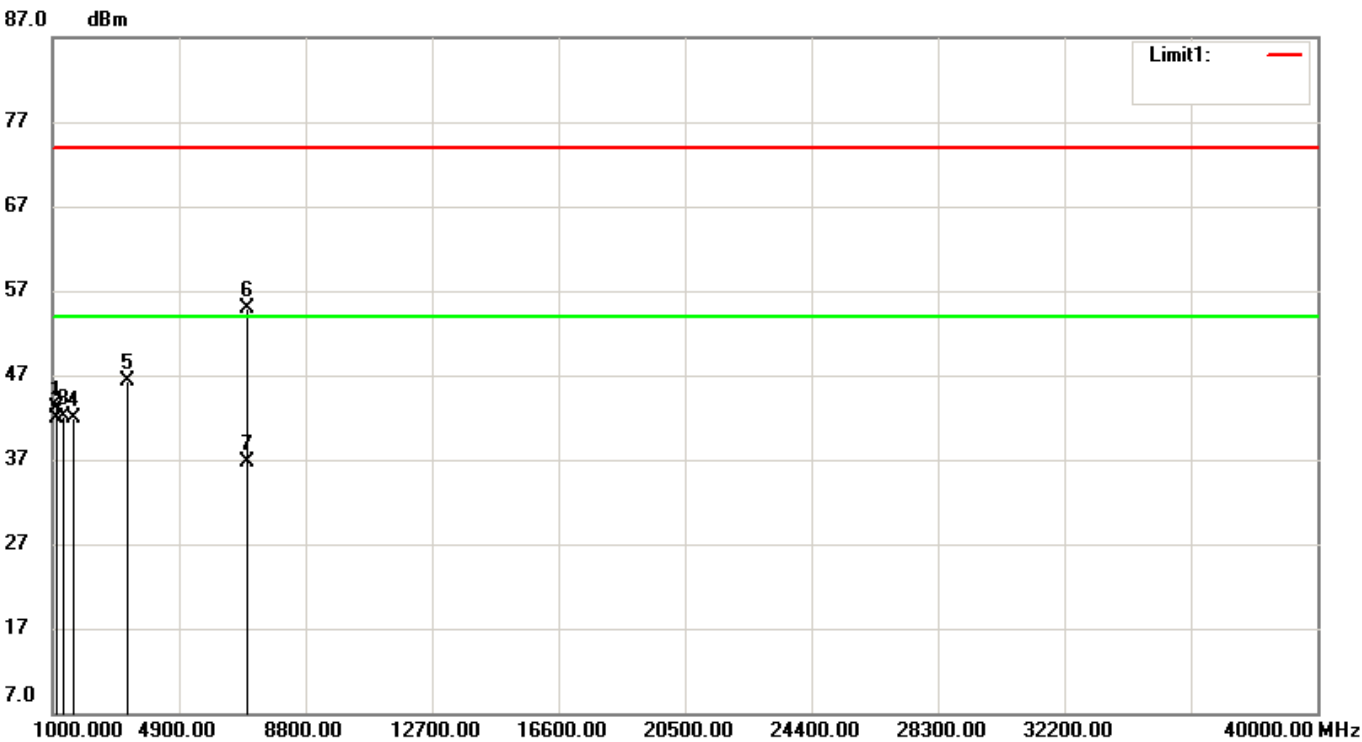
註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

c. Channel High

操作模式：發射接收
基本波頻率：5240 MHz

File: 20-07-MAS-052-5-2ax20 #41 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



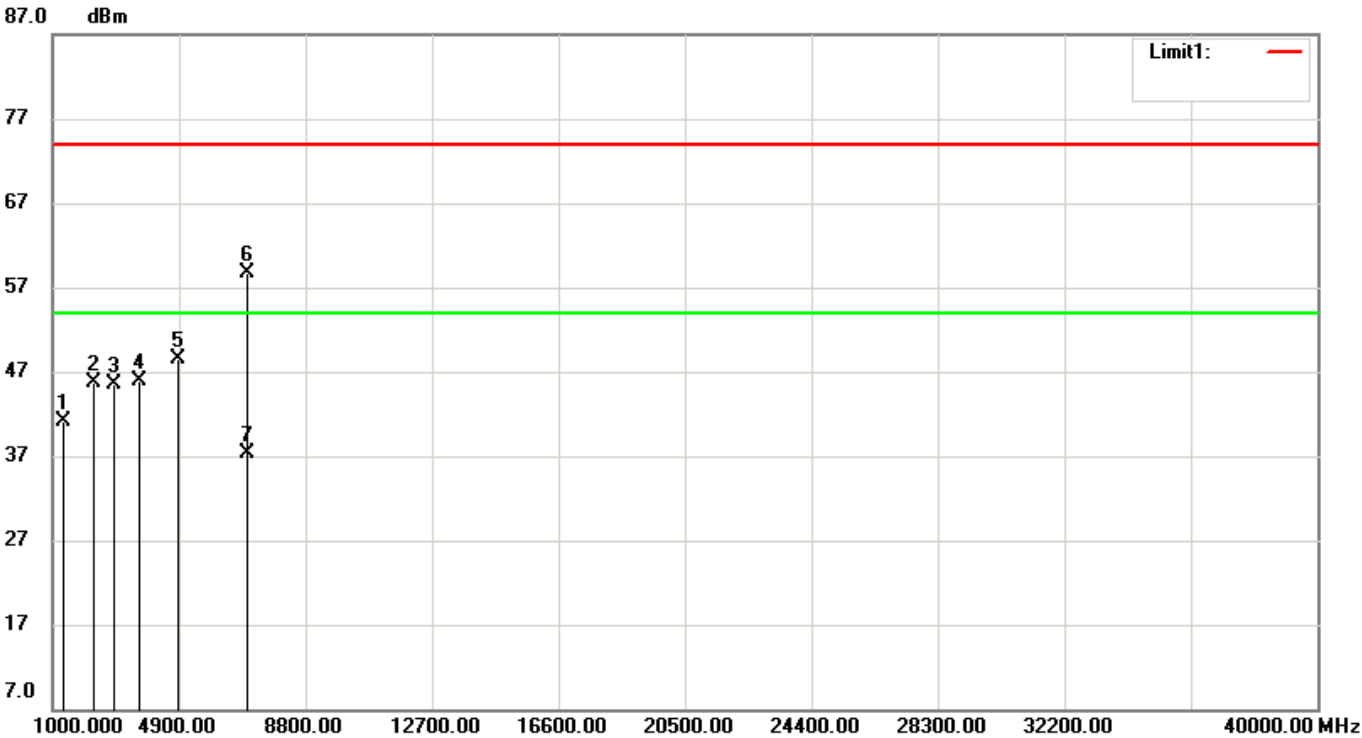
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1079.80760	52.34	peak	-9.26	43.08	74.00	-30.92
2	1113.06080	51.05	peak	-9.18	41.87	74.00	-32.13
3	1252.72430	51.01	peak	-8.82	42.19	74.00	-31.81
4	1598.55760	49.16	peak	-7.30	41.86	74.00	-32.14
5	3261.21800	47.83	peak	-1.52	46.31	74.00	-27.69
6	6949.17770	51.47	peak	3.40	54.87	74.00	-19.13
7*	6949.17770	33.37	AVG	3.40	36.77	54.00	-17.23

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：發射接收
基本波頻率：5240 MHz

File: 20-07-MAS-052-5-2ax20 #42 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1279.32700	49.85	peak	-8.75	41.10	74.00	-32.90
2	2223.71800	48.76	peak	-3.15	45.61	74.00	-28.39
3	2828.92620	47.57	peak	-2.08	45.49	74.00	-28.51
4	3653.60570	46.65	peak	-0.77	45.88	74.00	-28.12
5	4870.67300	47.34	peak	1.16	48.50	74.00	-25.50
6*	6991.80600	55.32	peak	3.42	58.74	74.00	-15.26
7	6991.80600	33.83	AVG	3.42	37.25	54.00	-16.75

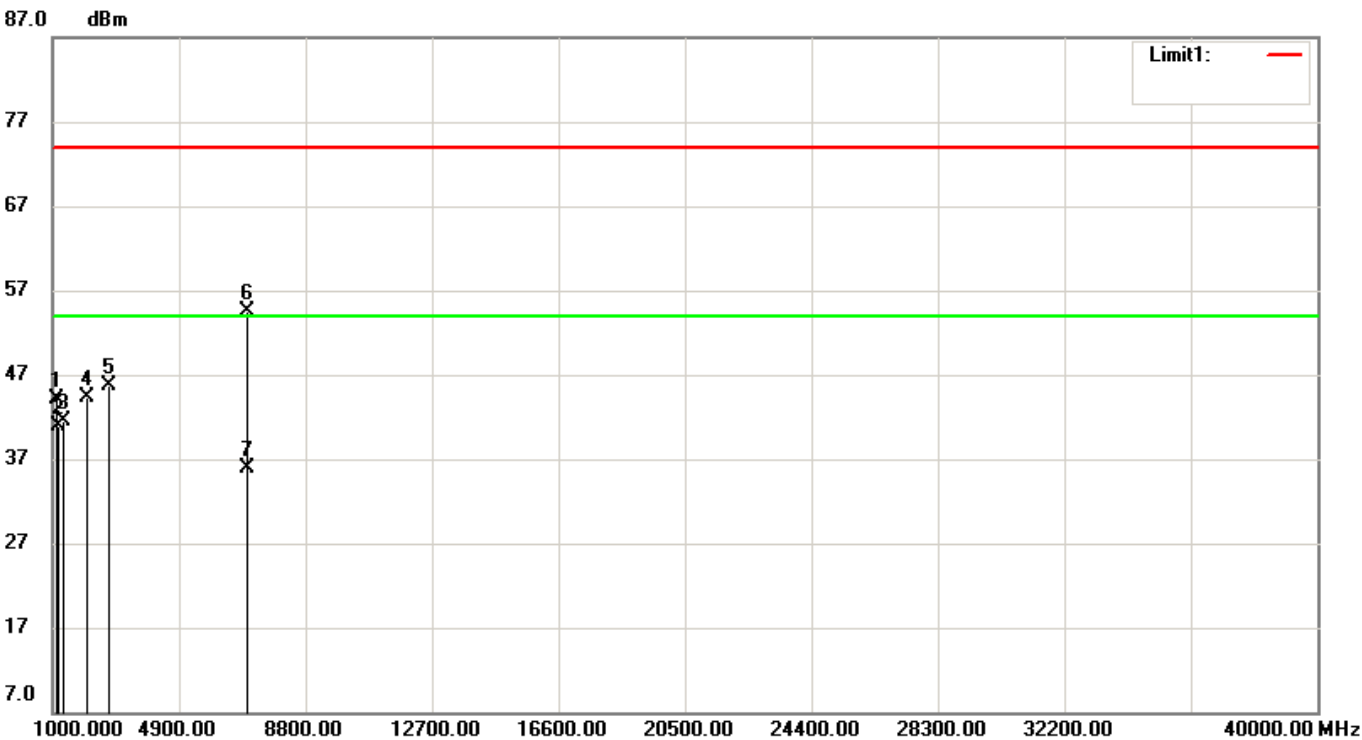
註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.2.3 調變技術: IEEE 802.11ax (40MHz)

a. Channel Low

操作模式：發射接收
基本波頻率：5190 MHz

File: 20-07-MAS-052-5-2ax40 #29 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH LOW-1

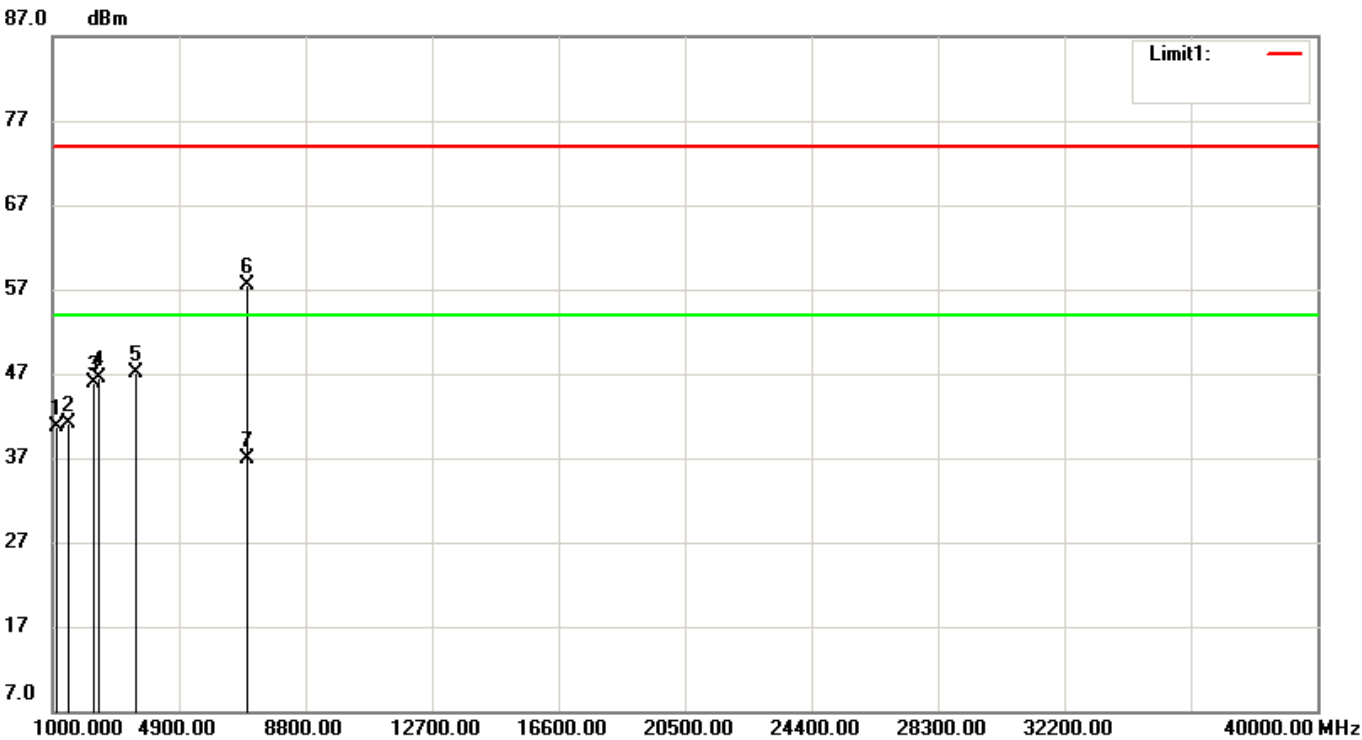
No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1073.15700	53.33	peak	-9.28	44.05	74.00	-29.95
2	1146.31410	50.06	peak	-9.10	40.96	74.00	-33.04
3	1252.72430	50.41	peak	-8.82	41.59	74.00	-32.41
4	2024.19870	47.96	peak	-3.67	44.29	74.00	-29.71
5	2729.16660	47.92	peak	-2.19	45.73	74.00	-28.27
6	6996.81230	51.02	peak	3.42	54.44	74.00	-19.56
7*	6996.81230	32.39	AVG	3.42	35.81	54.00	-18.19

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：發射接收
基本波頻率：5190 MHz

File: 20-07-MAS-052-5-2ax40 #30 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH LOW-1

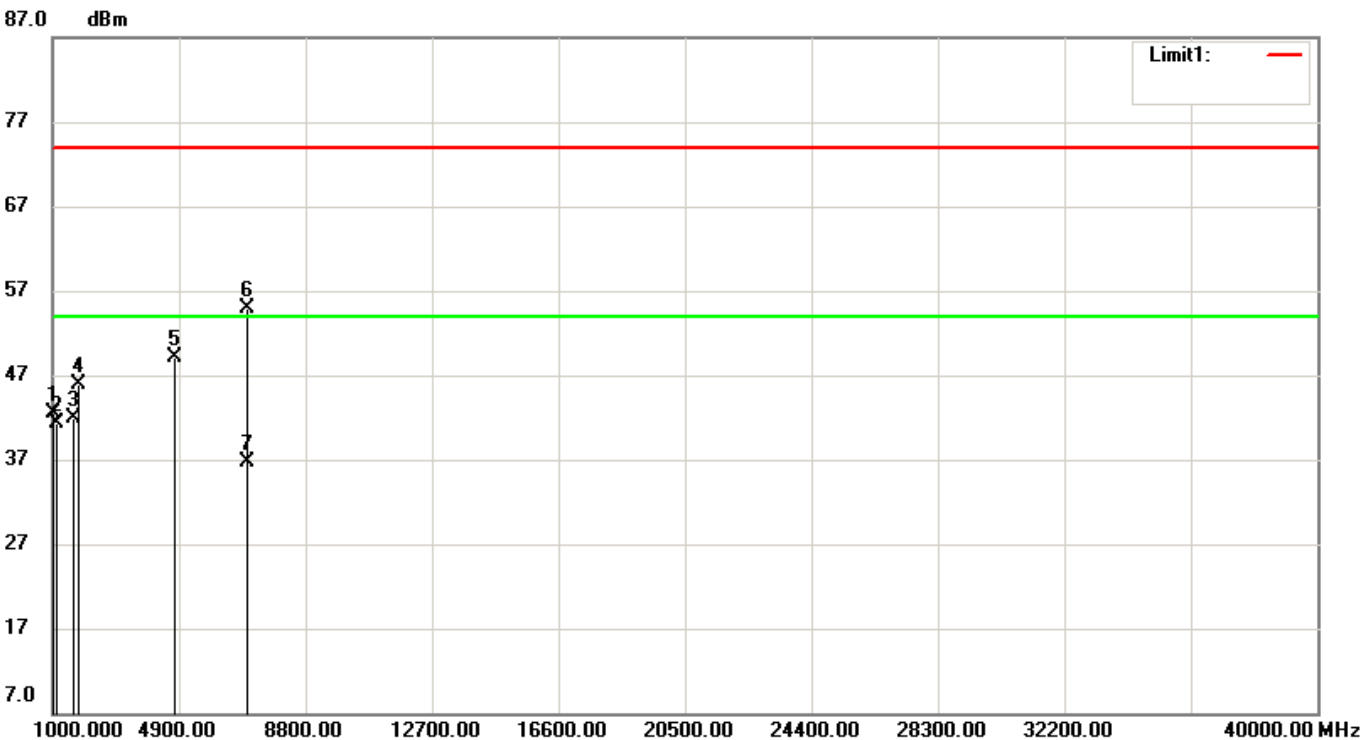
No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1073.15700	49.97	peak	-9.28	40.69	74.00	-33.31
2	1438.94230	49.36	peak	-8.34	41.02	74.00	-32.98
3	2223.71800	48.96	peak	-3.15	45.81	74.00	-28.19
4	2409.93580	49.22	peak	-2.66	46.56	74.00	-27.44
5	3533.89420	48.21	peak	-1.08	47.13	74.00	-26.87
6*	6991.84440	54.15	peak	3.42	57.57	74.00	-16.43
7	6991.84440	33.56	AVG	3.42	36.98	54.00	-17.02

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

b. Channel High

操作模式：發射接收
基本波頻率：5230 MHz

File: 20-07-MAS-052-5-2ax40 #31 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1059.85570	51.82	peak	-9.32	42.50	74.00	-31.50
2	1113.06080	50.48	peak	-9.18	41.30	74.00	-32.70
3	1598.55760	49.25	peak	-7.30	41.95	74.00	-32.05
4	1771.47430	51.74	peak	-5.77	45.97	74.00	-28.03
5	4724.35900	48.30	peak	0.88	49.18	74.00	-24.82
6	6947.29310	51.42	peak	3.40	54.82	74.00	-19.18
7*	6947.29310	33.35	AVG	3.40	36.75	54.00	-17.25

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.2.4 調變技術: IEEE 802.11ax (80MHz)

操作模式 : 發射接收

基本波頻率 : 5210 MHz

File: 20-07-MAS-052-5-2ax80

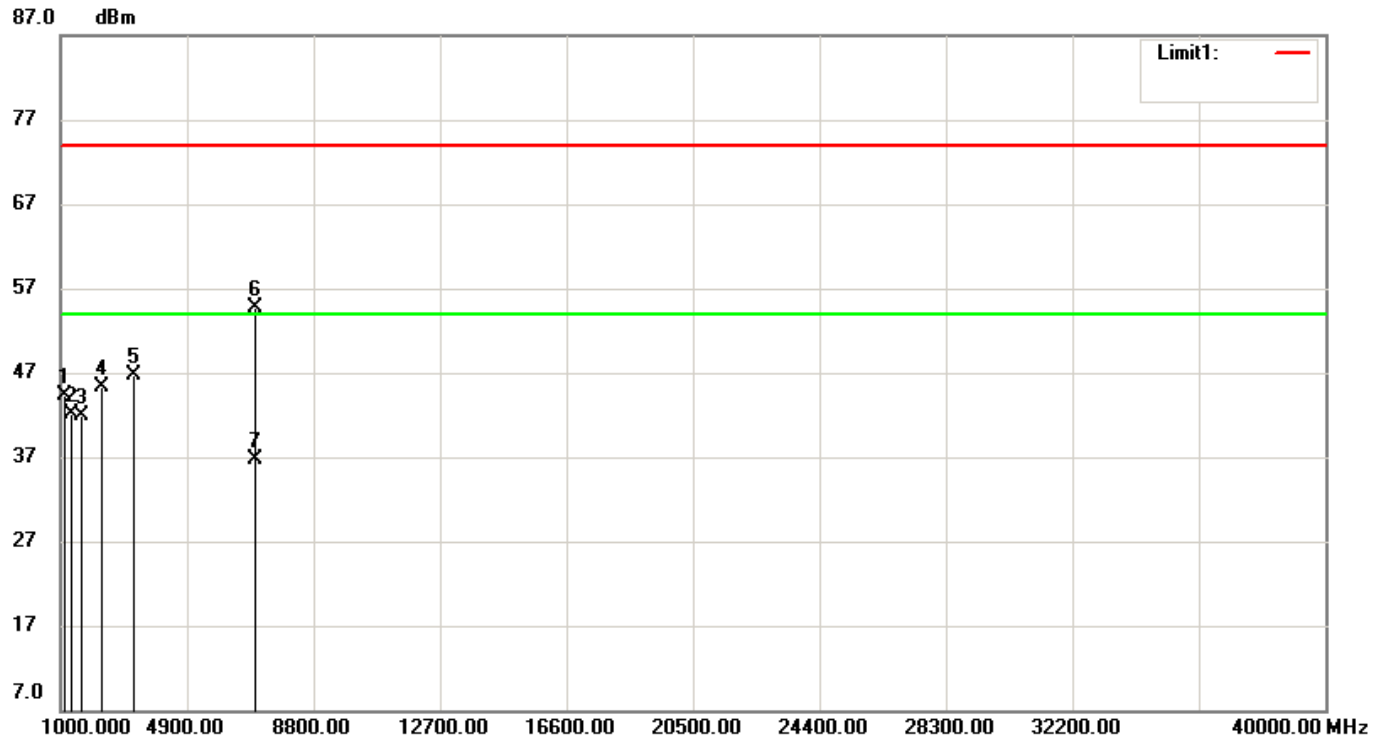
#27

Date: 2020/8/13

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_Above1G_Pk
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: UNII
 Note: CH LOW-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

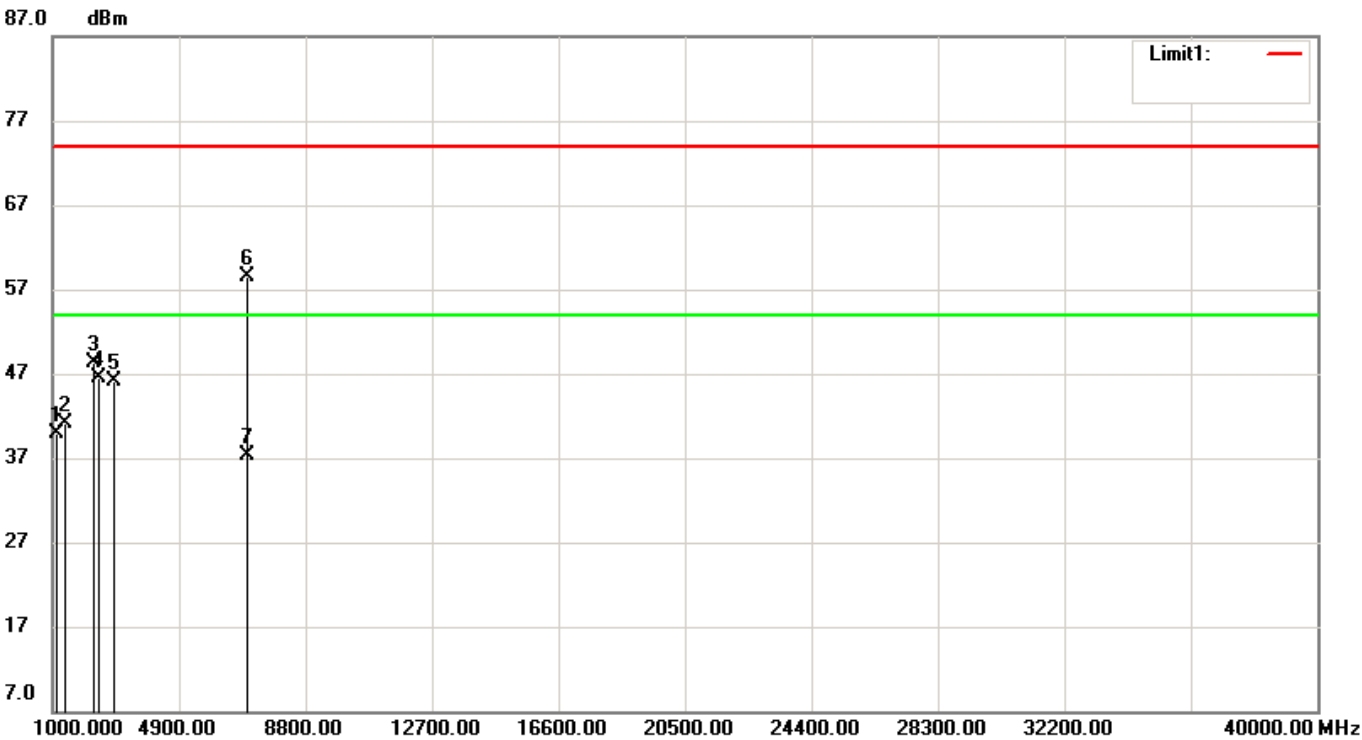
No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1066.50640	53.60	peak	-9.29	44.31	74.00	-29.69
2	1259.37500	50.90	peak	-8.80	42.10	74.00	-31.90
3	1598.55760	49.24	peak	-7.30	41.94	74.00	-32.06
4	2223.71800	48.43	peak	-3.15	45.28	74.00	-28.72
5	3208.01280	48.29	peak	-1.60	46.69	74.00	-27.31
6	6997.58150	51.25	peak	3.42	54.67	74.00	-19.33
7*	6997.58150	33.28	AVG	3.42	36.70	54.00	-17.30

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：發射接收
基本波頻率：5210 MHz

File: 20-07-MAS-052-5-2ax80 #28 Date: 2020/8/13 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH LOW-1

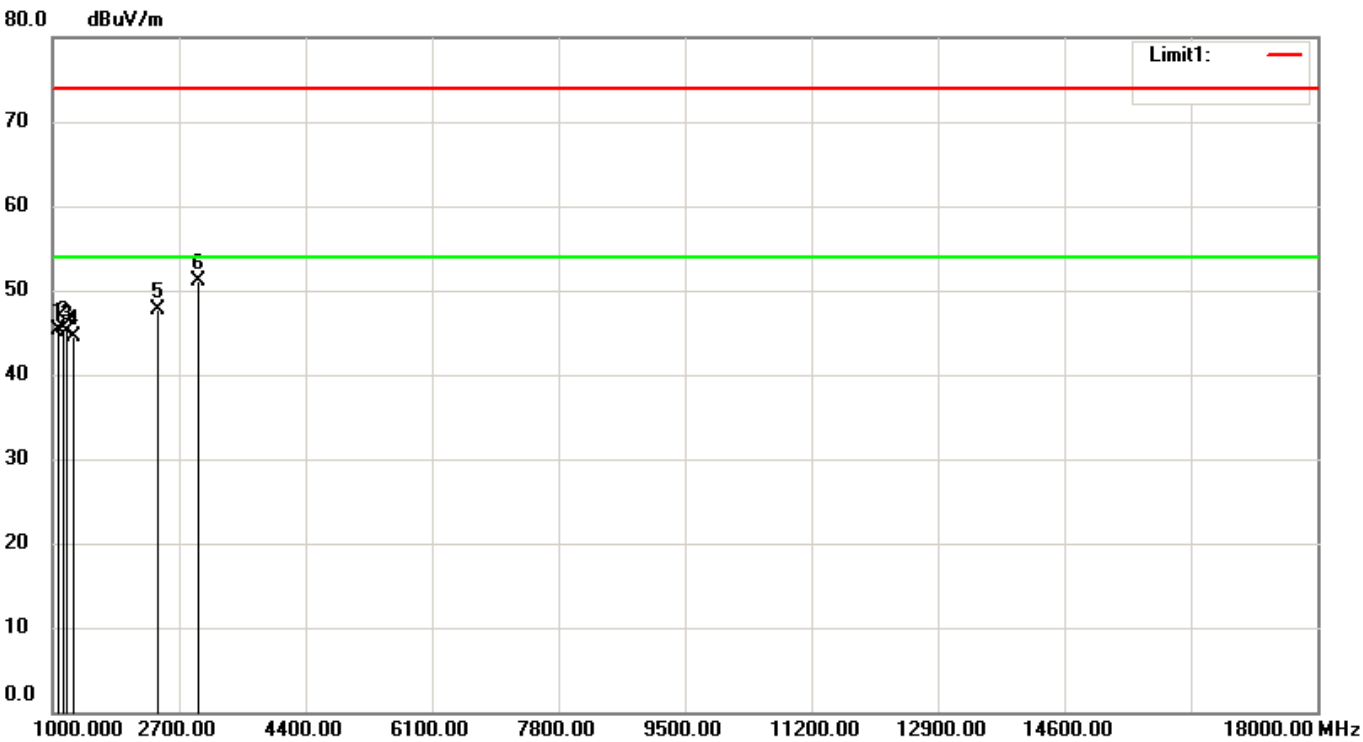
No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1	1073.15700	49.13	peak	-9.28	39.85	74.00	-34.15
2	1359.13460	49.75	peak	-8.55	41.20	74.00	-32.80
3	2223.71800	51.55	peak	-3.15	48.40	74.00	-25.60
4	2409.93580	49.23	peak	-2.66	46.57	74.00	-27.43
5	2835.57700	48.21	peak	-2.07	46.14	74.00	-27.86
6*	6991.49180	55.15	peak	3.42	58.57	74.00	-15.43
7	6991.49180	33.86	AVG	3.42	37.28	54.00	-16.72

註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.2.5 Normal Mode

操作模式 : BD Playing+ HDMI + BT + LAN + USB Cable 1

File: 20-07-MAS-052-Normal mode #15 Date: 2020/8/18 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



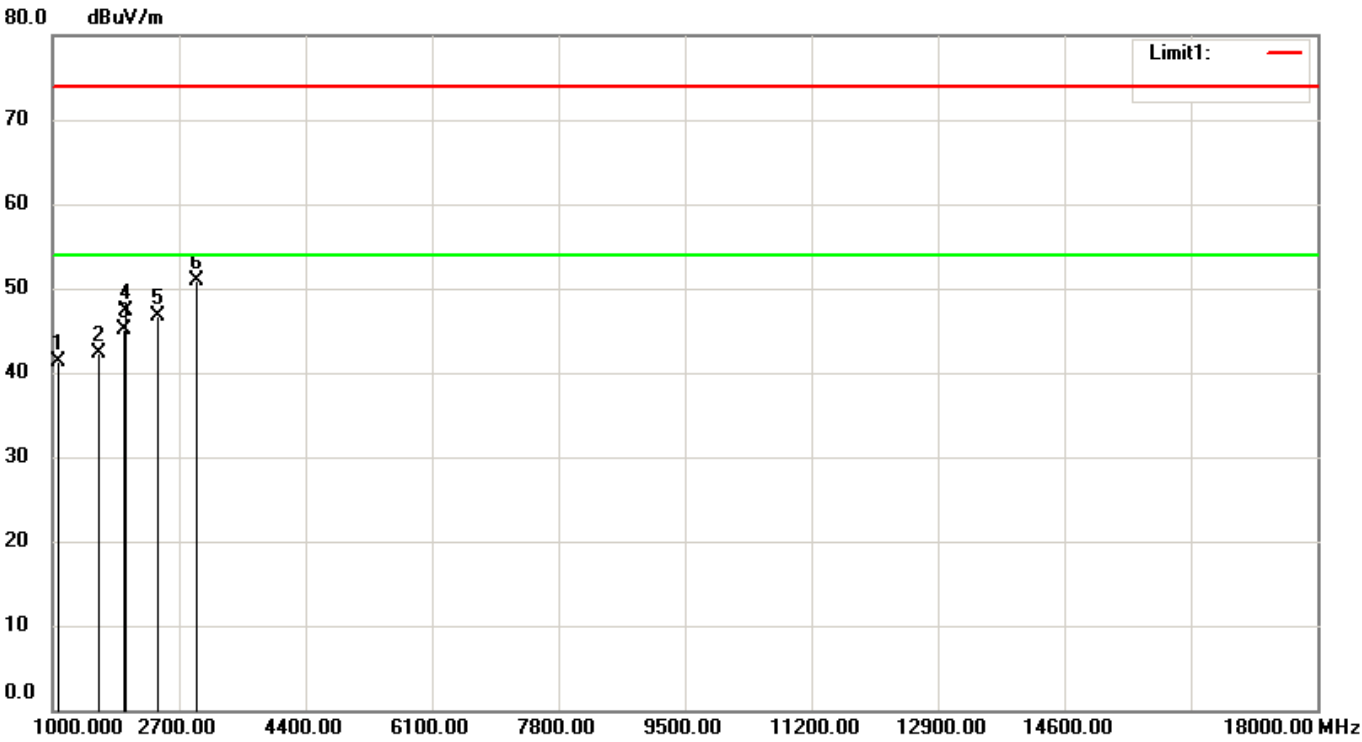
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: BD Playing + HDMI + Bluetooth + LAN + USB Cable 1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1080.12820	54.65	peak	-9.26	45.39	74.00	-28.61
2	1136.21800	54.60	peak	-9.12	45.48	74.00	-28.52
3	1184.29460	54.20	peak	-9.00	45.20	74.00	-28.80
4	1264.42300	53.28	peak	-8.79	44.49	74.00	-29.51
5	2410.25640	50.43	peak	-2.66	47.77	74.00	-26.23
6*	2939.10240	53.08	peak	-1.96	51.12	74.00	-22.88

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : BD Playing+ HDMI + BT + LAN + USB Cable 1

File: 20-07-MAS-052-Normal mode #16 Date: 2020/8/18 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



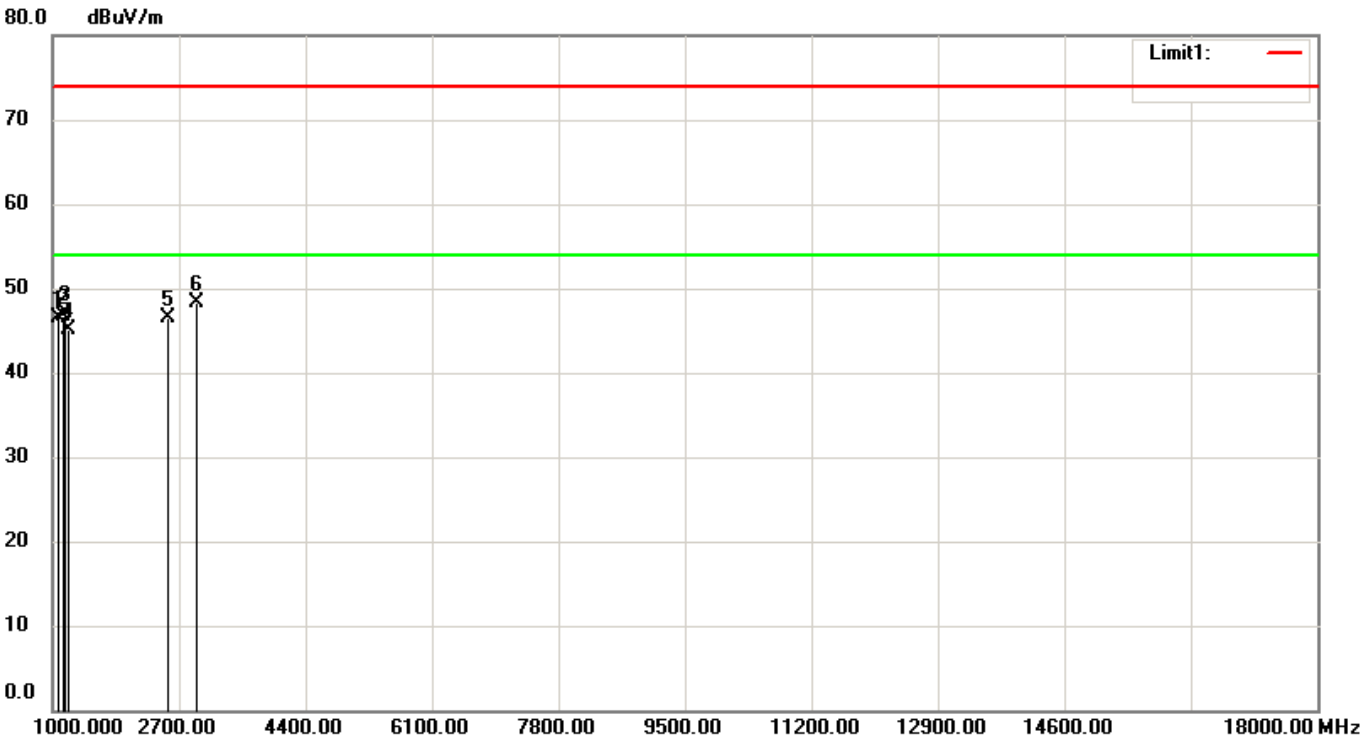
Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: BD Playing + HDMI + Bluetooth + LAN + USB Cable 1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1056.08960	50.55	peak	-9.32	41.23	74.00	-32.77
2	1600.96140	49.53	peak	-7.28	42.25	74.00	-31.75
3	1929.48710	49.51	peak	-4.35	45.16	74.00	-28.84
4	1969.55120	51.27	peak	-4.01	47.26	74.00	-26.74
5	2394.23060	49.49	peak	-2.70	46.79	74.00	-27.21
6*	2931.08950	52.79	peak	-1.98	50.81	74.00	-23.19

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: ±4.1dB(1GHz ≤ f < 18GHz)
±4.4dB(18GHz ≤ f ≤ 40GHz)

操作模式 : Game + HDMI + BT + WiFi + USB Cable 2

File: 20-07-MAS-052-Normal mode #13 Date: 2020/8/18 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



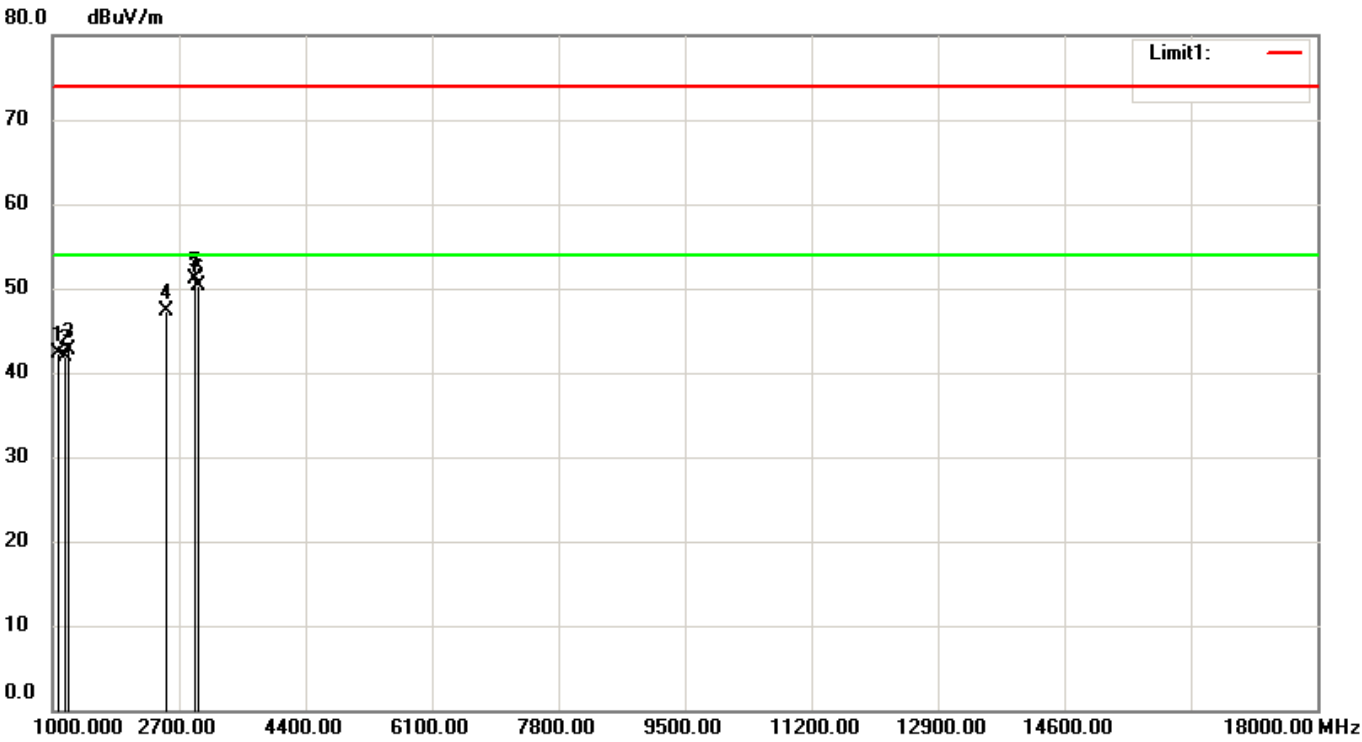
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: Game + HDMI + Bluetooth + WiFi + LAN + USB Cable 2

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1064.10250	55.77	peak	-9.31	46.46	74.00	-27.54
2	1120.19230	55.83	peak	-9.16	46.67	74.00	-27.33
3	1152.24350	56.10	peak	-9.08	47.02	74.00	-26.98
4	1192.30760	53.99	peak	-8.98	45.01	74.00	-28.99
5	2546.47430	48.93	peak	-2.36	46.57	74.00	-27.43
6*	2923.07700	50.30	peak	-1.98	48.32	74.00	-25.68

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值
亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : Game + HDMI + BT + WiFi + USB Cable 2

File: 20-07-MAS-052-Normal mode #14 Date: 2020/8/18 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: Game + HDMI + Bluetooth + WiFi + LAN + USB Cable 2

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1072.11510	51.51	peak	-9.28	42.23	74.00	-31.77
2	1144.23070	50.96	peak	-9.10	41.86	74.00	-32.14
3	1216.34600	51.68	peak	-8.91	42.77	74.00	-31.23
4	2522.43580	49.78	peak	-2.40	47.38	74.00	-26.62
5*	2891.02550	53.22	peak	-2.02	51.20	74.00	-22.80
6	2947.11520	52.33	peak	-1.95	50.38	74.00	-23.62

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.3 其它不必要之訊號

10.5.3.1 測試狀態：IEEE 802.11ax20

File: 20-07-MAS-052-Below 1G

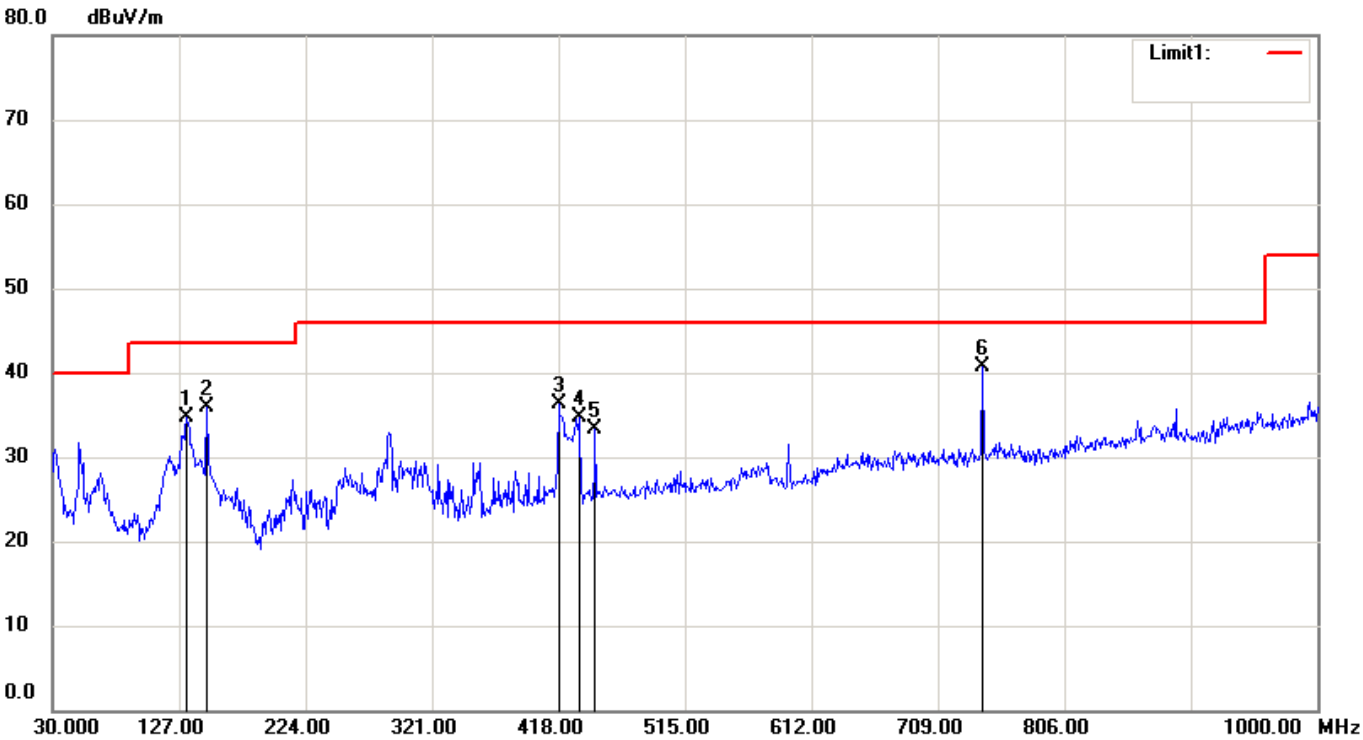
#3

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz

EUT: PlayStation5 console(Wireless)

Model: CFI-1018A

Test Mode: Band1

Note:

Polarization: Horizontal

Distance: 3m

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	132.8200	38.54	QP	-3.75	34.79	43.50	-8.71
2	148.3400	40.90	QP	-5.03	35.87	43.50	-7.63
3	418.0000	37.95	QP	-1.67	36.28	46.00	-9.72
4	433.5200	36.21	QP	-1.56	34.65	46.00	-11.35
5	446.1300	34.85	QP	-1.48	33.37	46.00	-12.63
6*	742.9500	37.25	QP	3.41	40.66	46.00	-5.34

File: 20-07-MAS-052-Below 1G

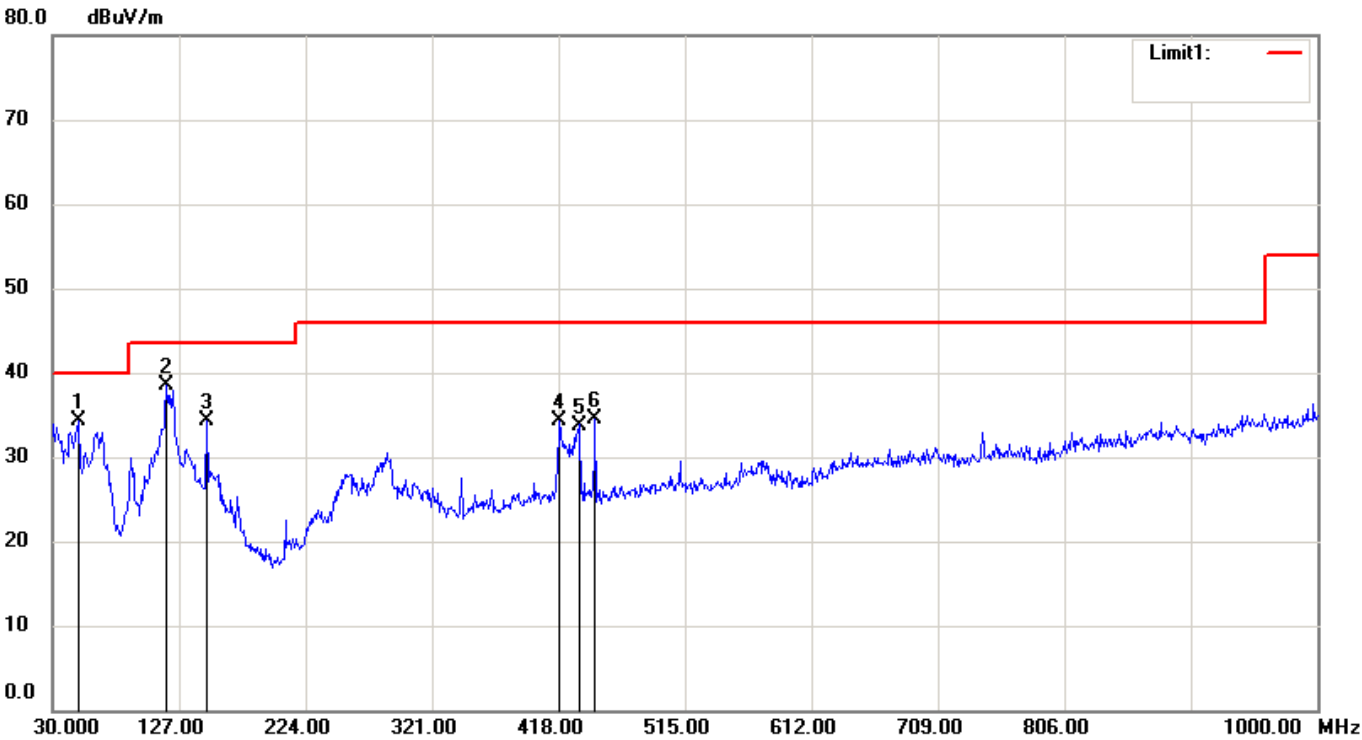
#4

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz

EUT: PlayStation5 console(Wireless)

Model: CFI-1018A

Test Mode: Band1

Note:

Polarization: Vertical

Distance: 3m

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	50.3700	41.49	peak	-7.26	34.23	40.00	-5.77
2*	117.3000	42.71	peak	-4.29	38.42	43.50	-5.08
3	148.3400	39.36	peak	-5.03	34.33	43.50	-9.17
4	418.9700	35.99	peak	-1.66	34.33	46.00	-11.67
5	433.5200	35.36	peak	-1.56	33.80	46.00	-12.20
6	446.1300	35.97	peak	-1.48	34.49	46.00	-11.51

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB (30MHz≤f<1GHz)

10.5.3.2 測試狀態: BD Playing+BT+LAN+USB Cable 1

File: 20-07-MAS-052-Normal mode

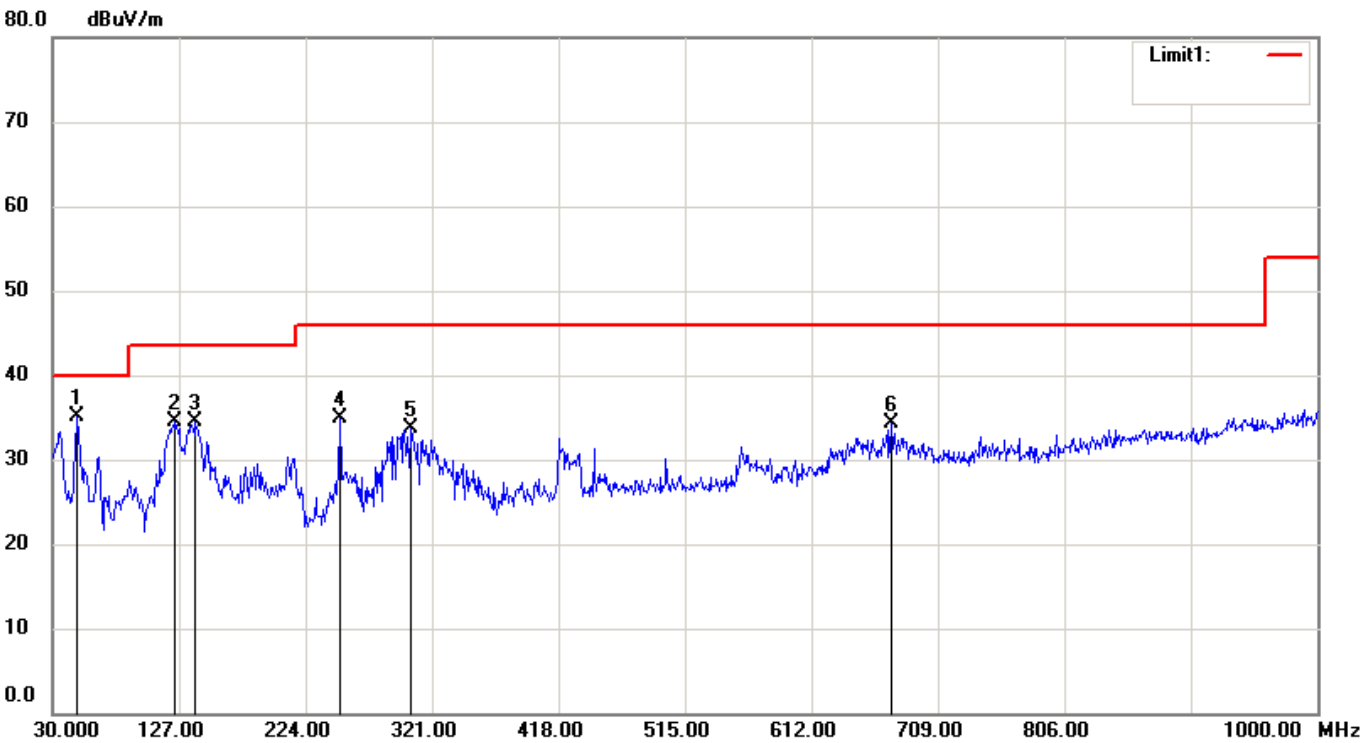
#5

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz

EUT: PlayStation5 console(Wireless)

Model: CFI-1018A

Test Mode: Normal1

Note: BD Playing+ HDMI + BT + LAN + USB Cable 1

Polarization: Horizontal

Distance: 3m

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	48.4300	42.03	QP	-6.93	35.10	40.00	-4.90
2	124.0900	38.37	QP	-3.88	34.49	43.50	-9.01
3	139.6100	38.56	QP	-4.02	34.54	43.50	-8.96
4	250.1900	41.46	QP	-6.52	34.94	46.00	-11.06
5	304.5100	37.98	QP	-4.36	33.62	46.00	-12.38
6	673.1100	31.57	QP	2.67	34.24	46.00	-11.76

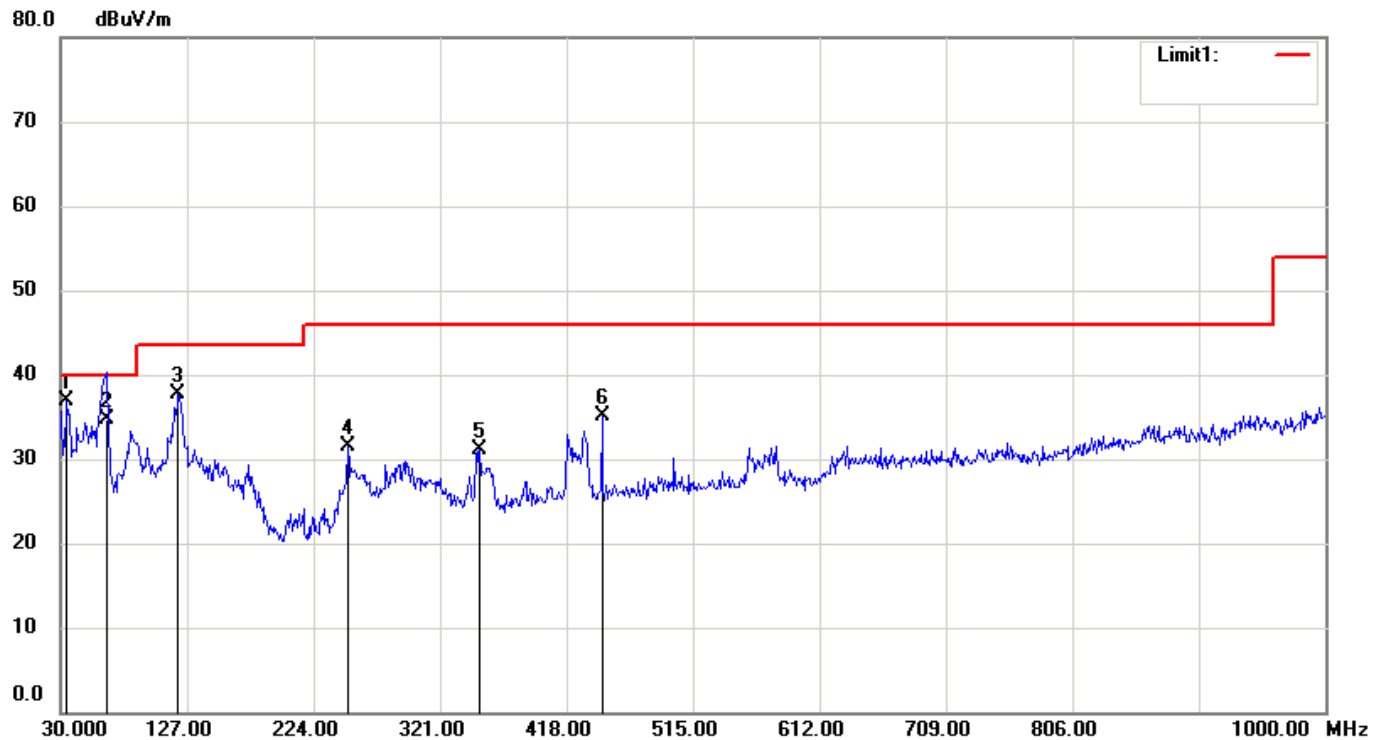
File: 20-07-MAS-052-Normal mode
Site: RE02-EMC B1-N2

#6

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: Normal1
Note: BD Playing+ HDMI + BT + LAN + USB Cable 1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	34.8500	41.45	QP	-4.64	36.81	40.00	-3.19
2	64.5800	45.49	QP	-10.79	34.70	40.00	-5.30
3	120.2100	41.80	QP	-4.03	37.77	43.50	-5.73
4	250.1900	37.93	QP	-6.52	31.41	46.00	-14.59
5	351.0700	34.53	QP	-3.46	31.07	46.00	-14.93
6	445.1600	36.50	QP	-1.49	35.01	46.00	-10.99

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB (30MHz ≤ f < 1GHz)

10.5.3.3 測試狀態: Game+BT+WiFi+USB Cable 2

File: 20-07-MAS-052-Normal mode

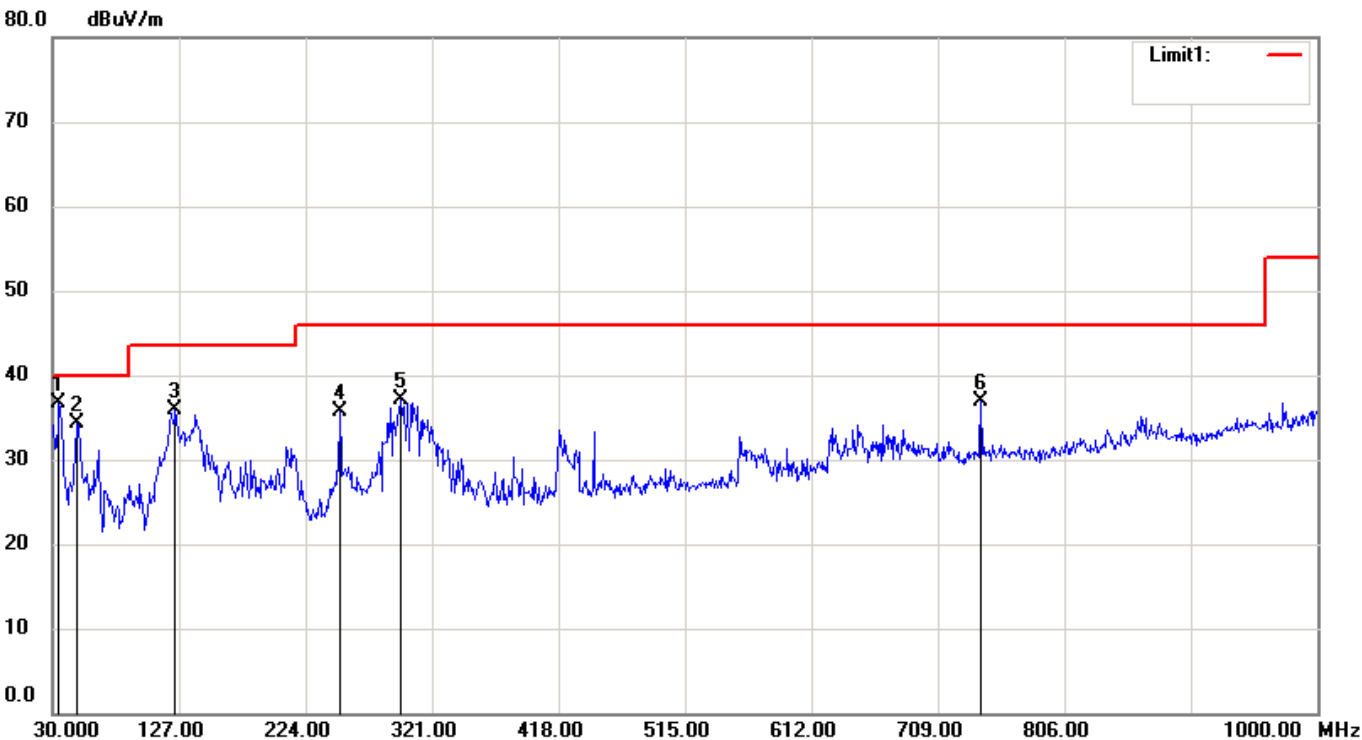
#7

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz

EUT: PlayStation5 console(Wireless)

Model: CFI-1018A

Test Mode: Normal2

Note: Game + HDMI + BT + WiFi + USB Cable 2

Polarization: Horizontal

Distance: 3m

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	34.8500	41.28	QP	-4.64	36.64	40.00	-3.36
2	48.4300	41.14	QP	-6.93	34.21	40.00	-5.79
3	124.0900	39.71	QP	-3.88	35.83	43.50	-7.67
4	250.1900	42.23	QP	-6.52	35.71	46.00	-10.29
5	296.7500	41.53	QP	-4.50	37.03	46.00	-8.97
6	741.9800	33.54	QP	3.40	36.94	46.00	-9.06

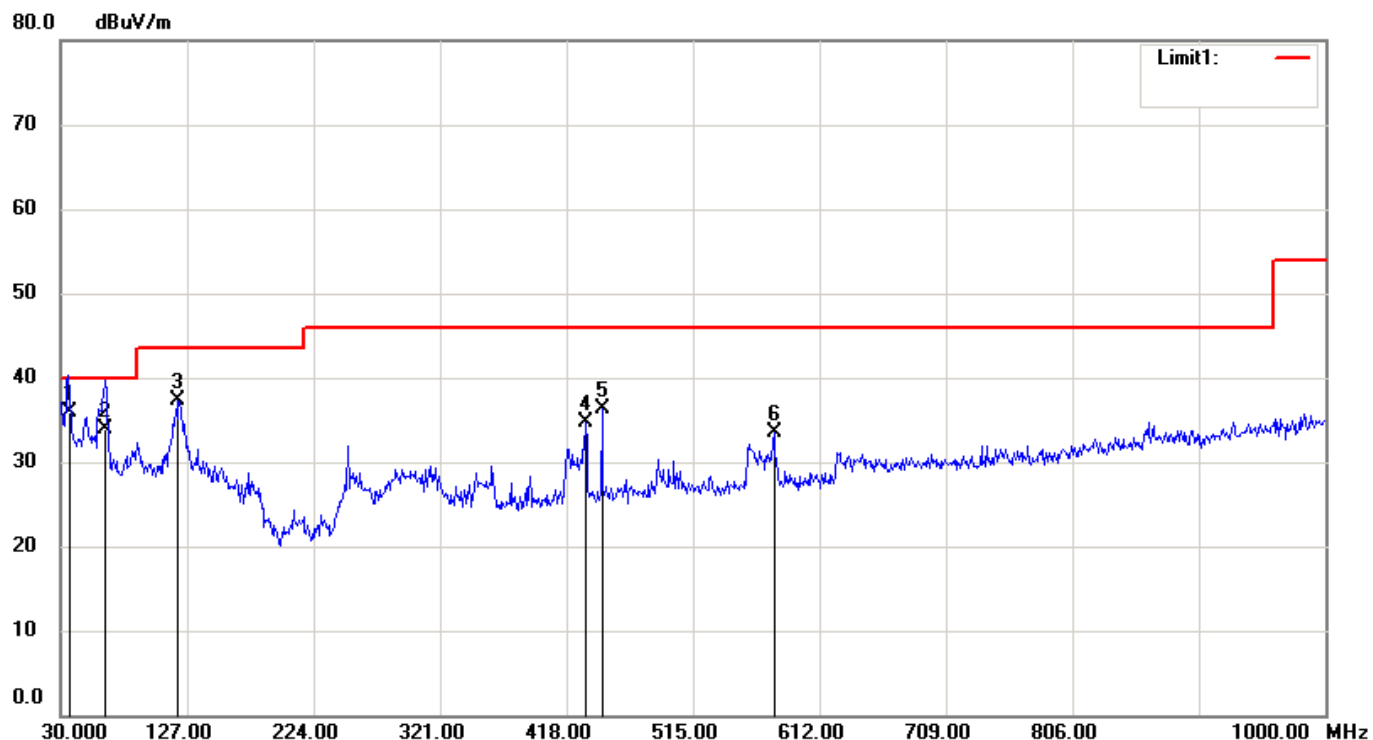
File: 20-07-MAS-052-Normal mode
Site: RE02-EMC B1-N2

#8

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: Normal2
Note: Game + HDMI + BT + WiFi + USB Cable 2

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	35.8400	40.81	QP	-4.81	36.00	40.00	-4.00
2	63.5800	44.46	QP	-10.46	34.00	40.00	-6.00
3	120.2100	41.41	QP	-4.03	37.38	43.50	-6.12
4	432.5500	36.20	QP	-1.58	34.62	46.00	-11.38
5	445.1600	37.87	QP	-1.49	36.38	46.00	-9.62
6	577.0800	33.35	QP	0.13	33.48	46.00	-12.52

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB (30MHz ≤ f < 1GHz)

10.6 頻帶外邊緣輻射場強之量測結果

操作模式: 發射接收

測試日期: Aug. 13, 2020

環境溫度: 24°C

環境濕度: 63%

10.6.1 調變技術: IEEE 802.11a

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5150.000	26.8	12.9	27.2	13.0	38.47	65.7	51.5	74.0	54.0	-8.3	-2.5
5350.000	26.9	12.7	26.9	12.7	38.91	65.8	51.6	74.0	54.0	-8.2	-2.4

10.6.2 調變技術: IEEE 802.11ax (20MHz)

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5150.000	26.8	12.9	26.7	13.0	38.47	65.3	51.5	74.0	54.0	-8.7	-2.5
5350.000	27.3	12.7	27.1	12.7	38.91	66.2	51.6	74.0	54.0	-7.8	-2.4

10.6.3 調變技術: IEEE 802.11ax (40MHz)

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5150.000	26.8	12.9	27.1	13.0	38.47	65.6	51.5	74.0	54.0	-8.4	-2.5
5350.000	27.5	12.7	26.7	12.7	38.91	66.4	51.6	74.0	54.0	-7.6	-2.4

10.6.4 調變技術: IEEE 802.11ax (80MHz)

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5146.202	27.6	13.0	27.4	13.1	38.46	66.1	51.6	74.0	54.0	-7.9	-2.4
5350.000	26.7	12.7	27.3	12.7	38.91	66.2	51.6	74.0	54.0	-7.8	-2.4

註: 1. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

2. 量測頻率範圍為 4500 ~ 5250 MHz 及 5350 ~ 5460 MHz，並記錄兩頻率範圍中之最大讀值。

10.7 頻帶外邊緣直接量測

10.7.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.4 不必要發射之限制值：在操作頻帶外的峰值發射應衰減至符合下列限制值：

4.7.4.1 在5.15 GHz～5.35 GHz 及5.470 GHz～5.725 GHz 頻段操作的發射器：帶外發射之

有效等向輻射功率(EIRP) ≤ -27 dBm/MHz。

10.7.2 量測功率密度之配置

如圖 2 所示。

10.7.3 量測功率密度之儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

10.7.4 頻帶外邊緣直接量測之量測結果

調變技術: IEEE 802.11a

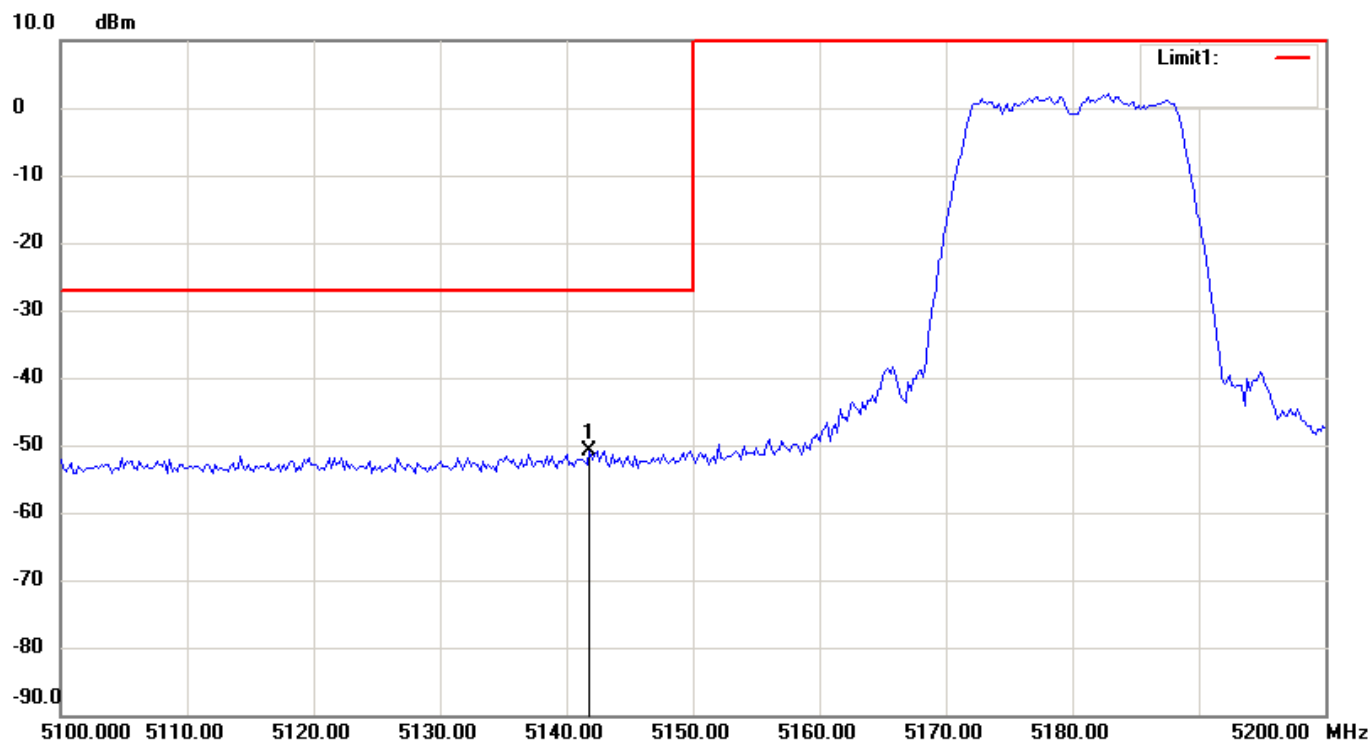
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#7

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a Channel 36_Low_Bandedge

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5141.80000	-50.81

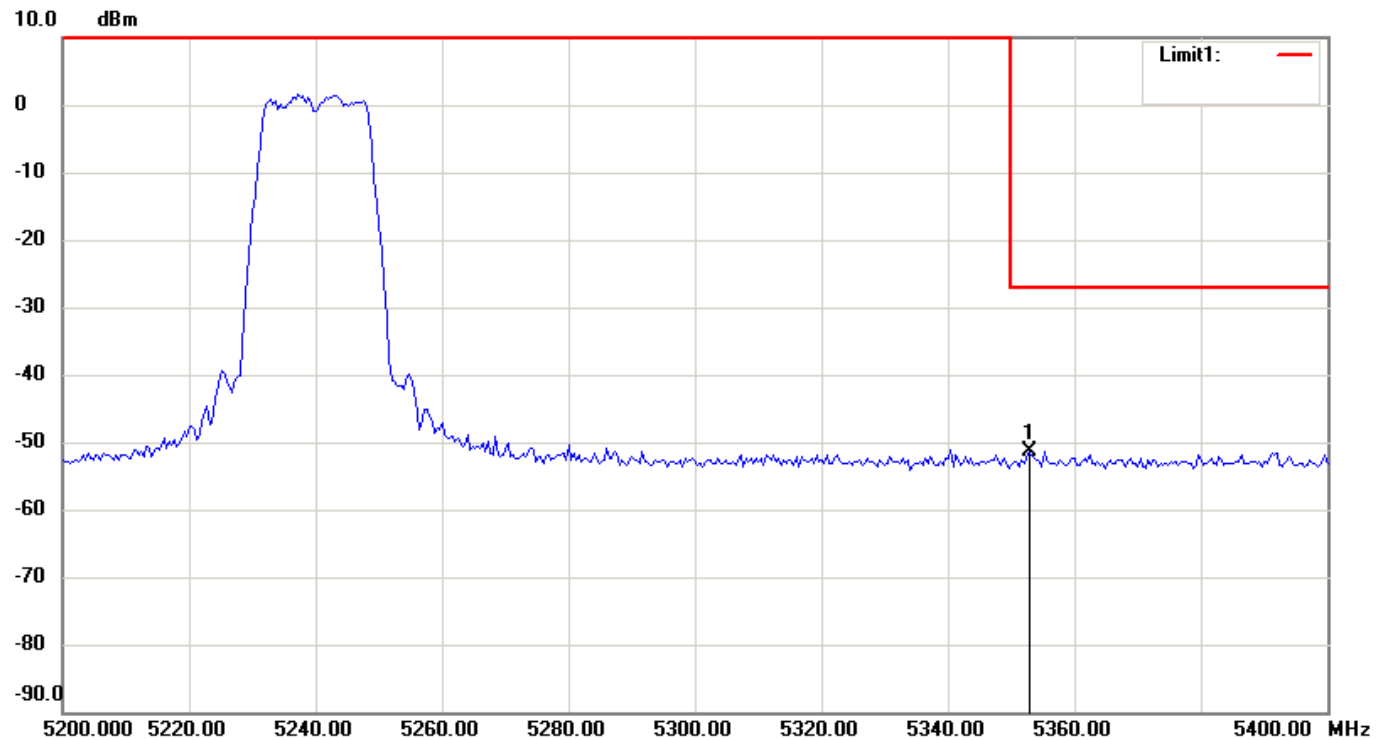
File: 20-07-MAS-052_5-2a_Ant1
Site: RF-Cond01

#20

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11a Channel 48_High_Bandedge

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5352.80000	-51.31

調變技術: IEEE 802.11ax (20MHz)

CHAIN 0

File: 20-07-MAS-052_5-2ax20_Ant1

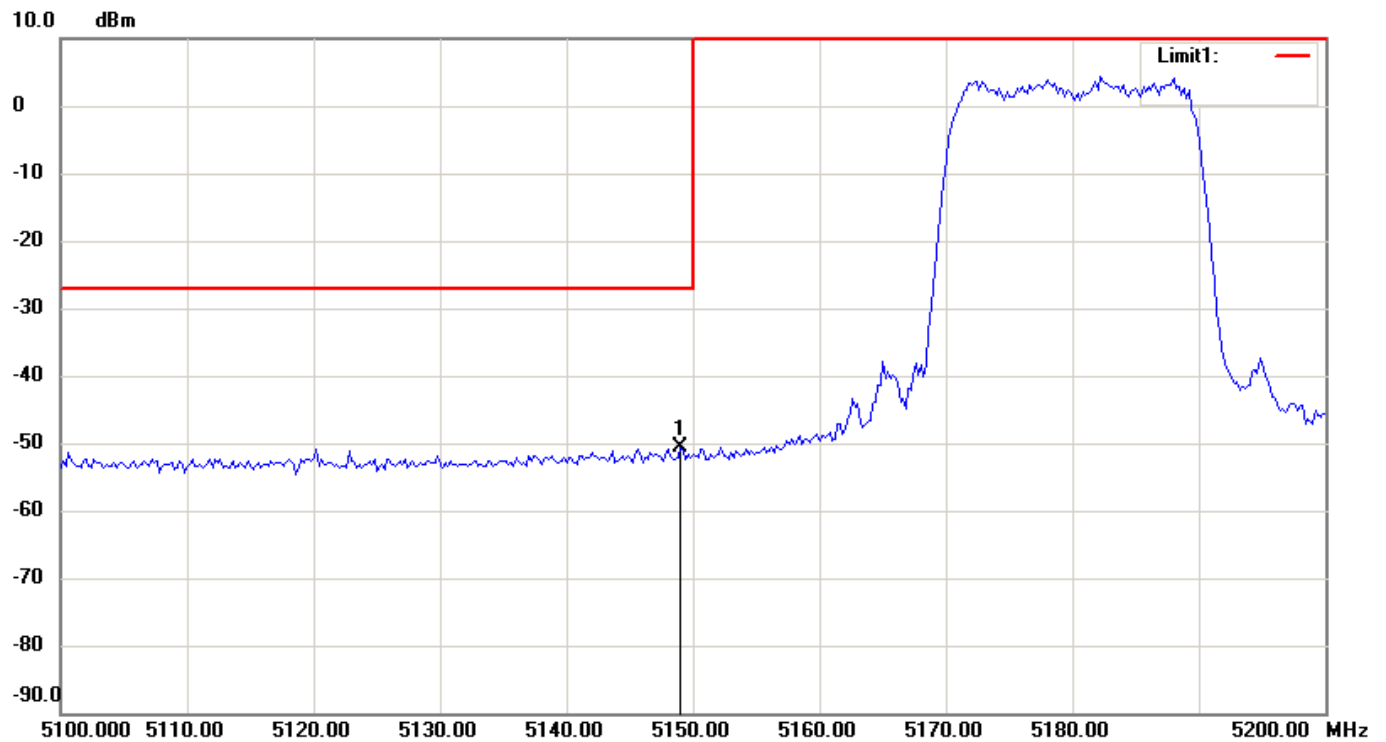
#7

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20 Channel 36_Low_Bandedge

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5149.00000	-50.53

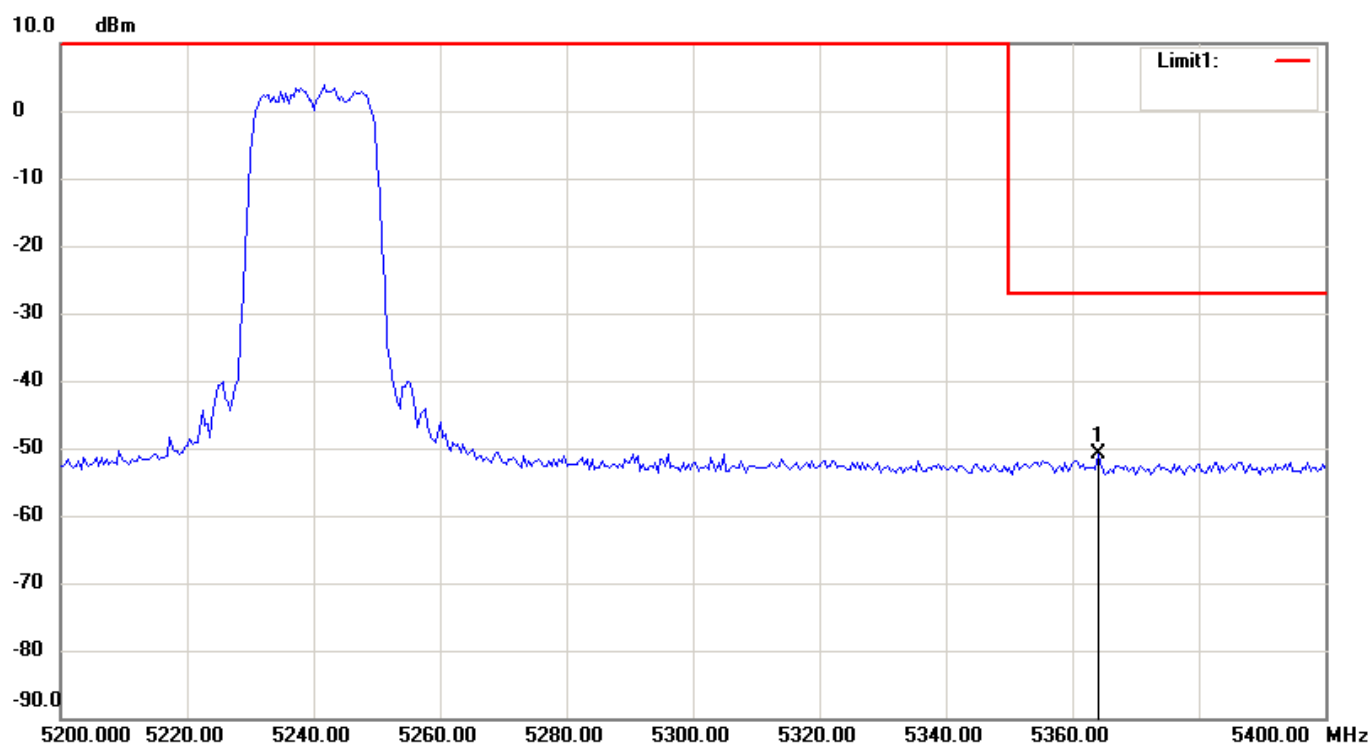
File: 20-07-MAS-052_5-2ax20_Ant1
Site: RF-Cond01

#20

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20 Channel 48_High_Bandedge

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5364.00000	-50.77

調變技術: IEEE 802.11ax (20MHz)

CHAIN 1

File: 20-07-MAS-052_5-2ax20_Ant2

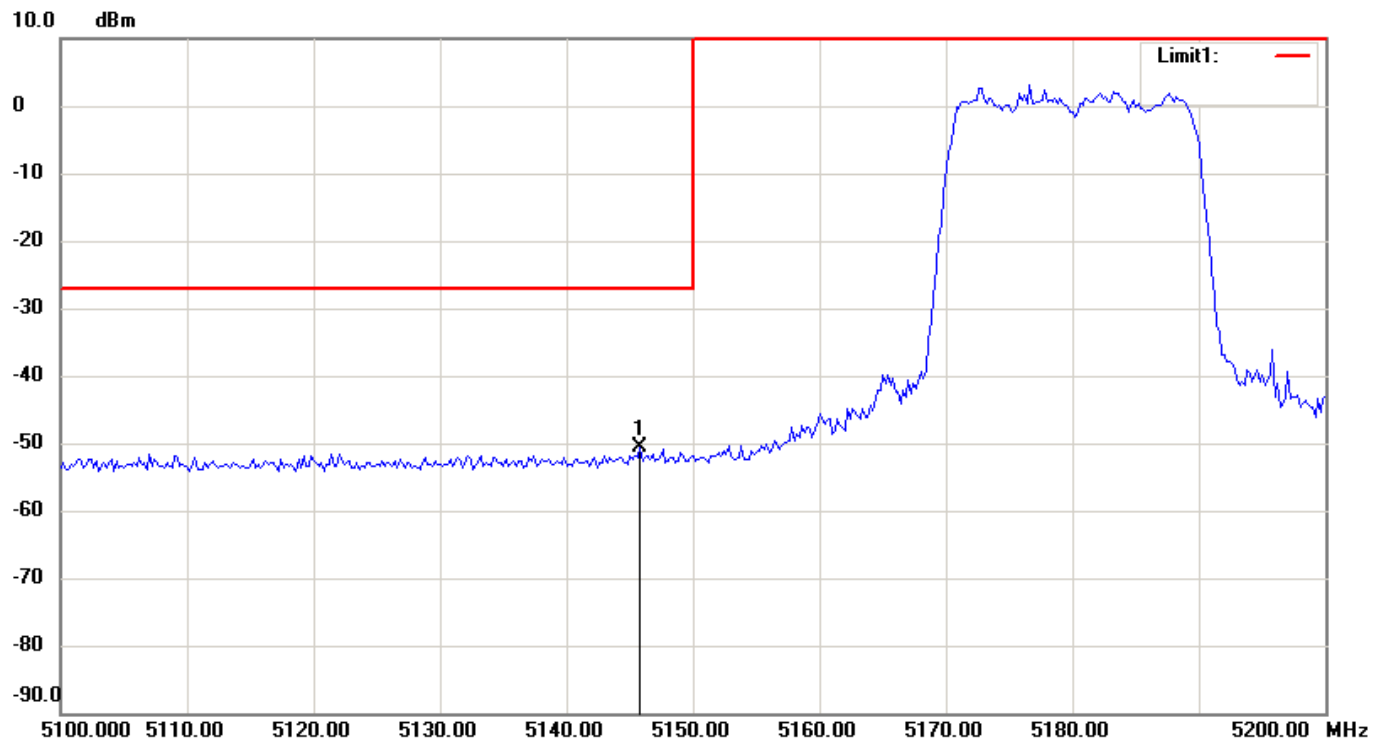
#7

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax20 Channel 36_Low_Bandedge

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5145.80000	-50.60

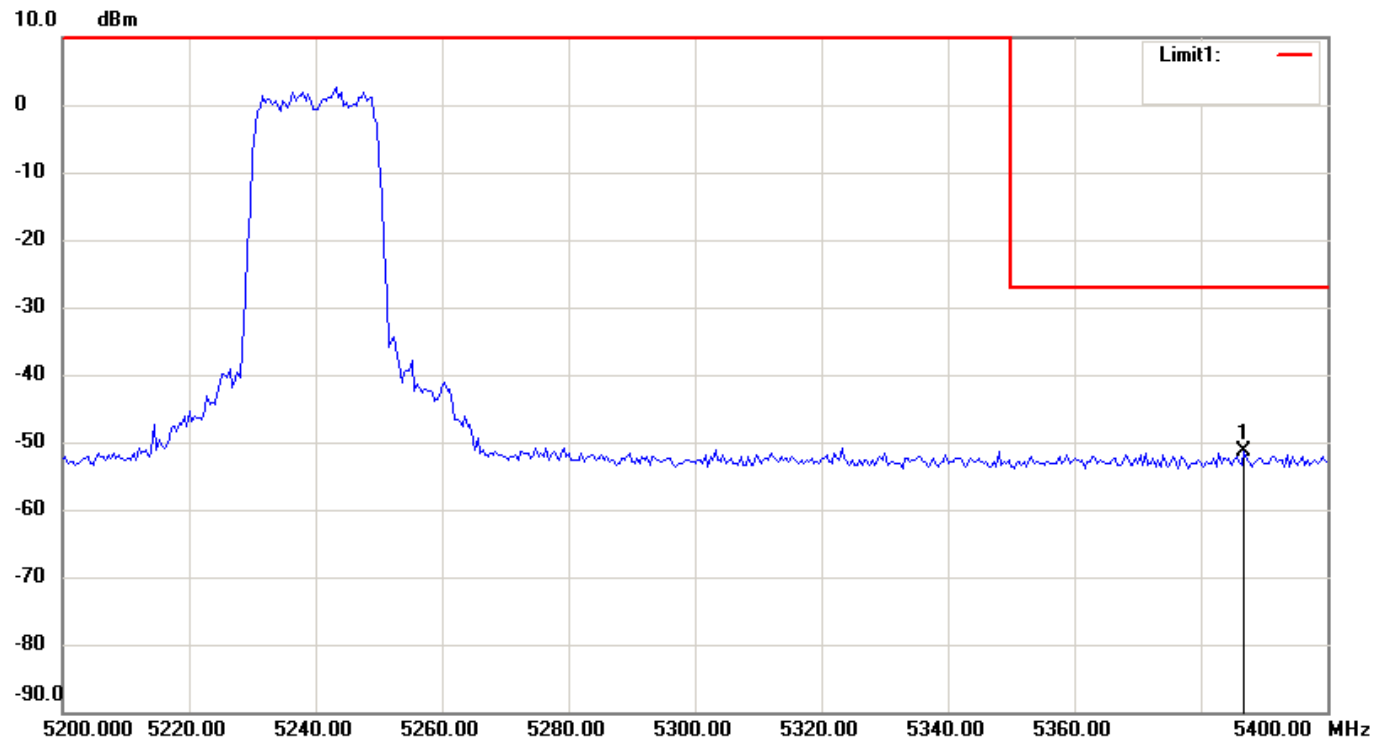
File: 20-07-MAS-052_5-2ax20_Ant2
 Site: RF-Cond01

#20

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



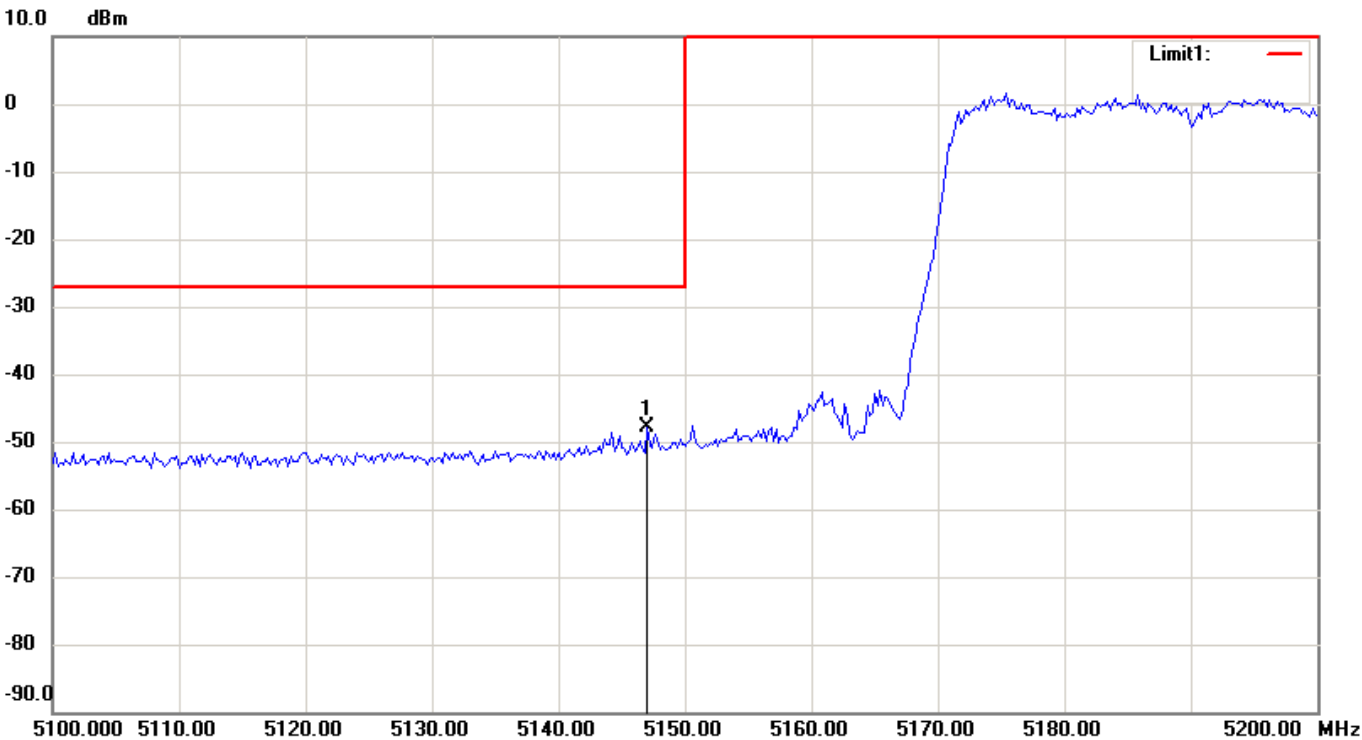
Condition: UNII-Band1-2-Bandedge
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20 Channel 48_High_Bandedge

RF Conducted
 Sweep Time: 1ms Att.: 15dB
 RBW: 1000 KHz VBW: 3000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5386.80000	-51.48

調變技術: IEEE 802.11ax (40MHz)
CHAIN 0

File: 20-07-MAS-052_5-2ax40_Ant1 #7 Date: 2020/7/29 Temperature: 24 °C
Site: RF-Cond01 Humidity: 52 %



Condition: UNII-Band1-2-Bandedge RF Conducted
EUT: PlayStation5 console (Wireless) Sweep Time: 1ms Att.: 15dB
Model: CFI-1018A RBW: 1000 KHz VBW: 3000 KHz
Test Mode: UNII Operator: Phillip
Note: NCC_LP0002_802.11ax40 Channel 38_Low_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5147.00000	-47.87

File: 20-07-MAS-052_5-2ax40_Ant1

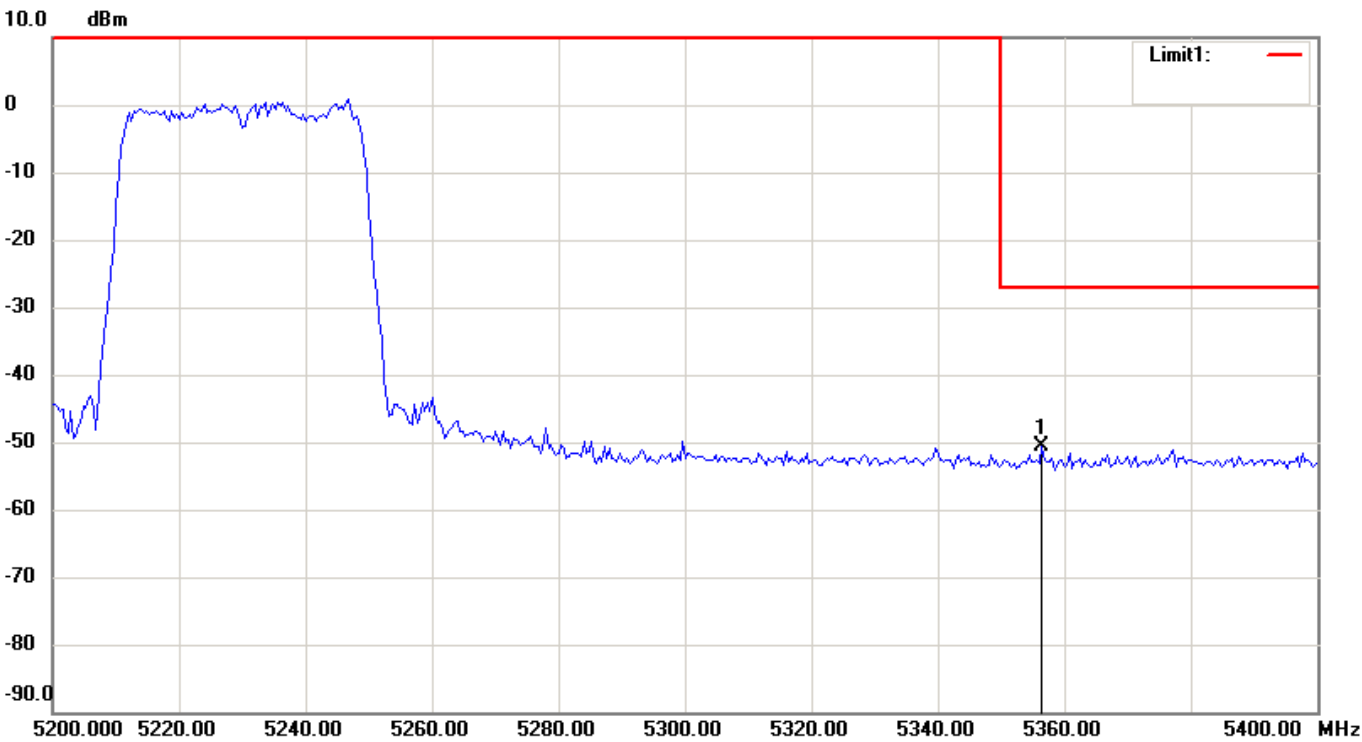
#14

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 1ms Att.: 15dB

Model: CFI-1018A

RBW: 1000 KHz VBW: 3000 KHz

Test Mode: UNII

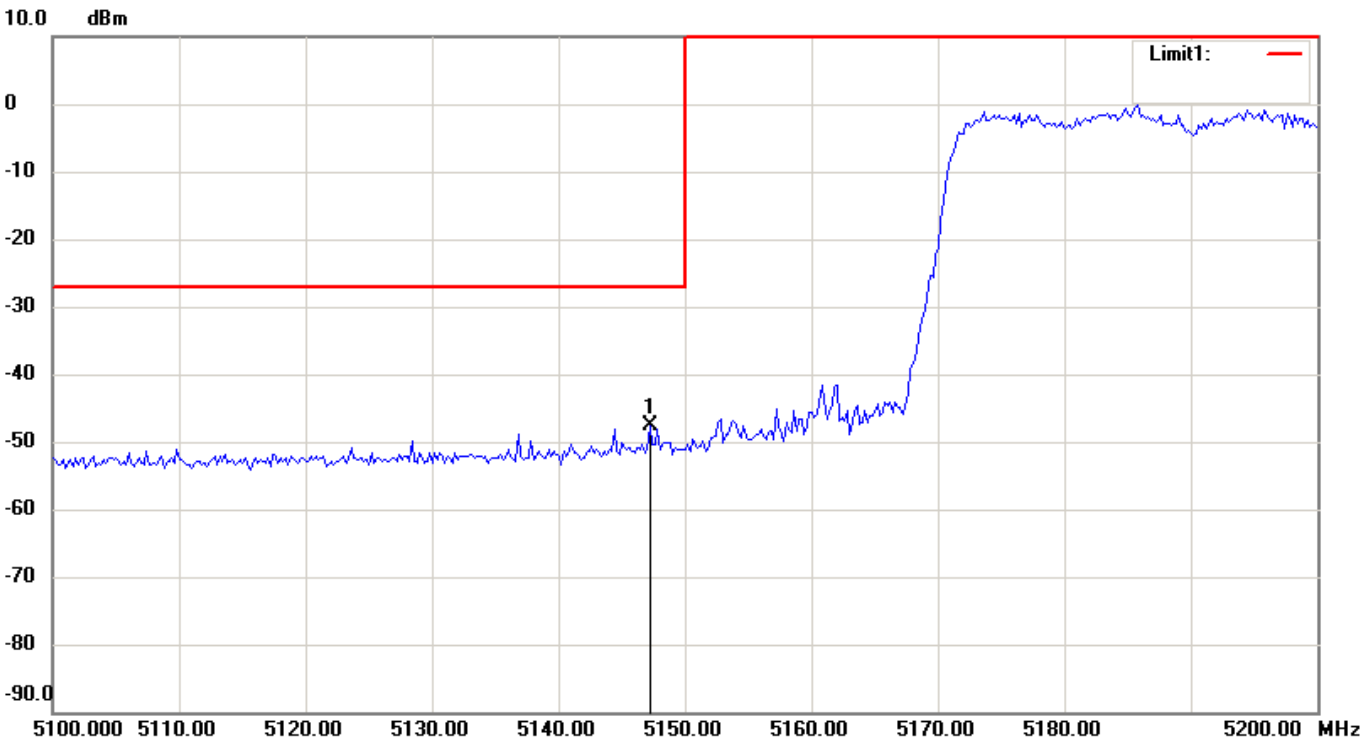
Operator: Phillip

Note: NCC_LP0002_802.11ax40 Channel 46_High_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5356.40000	-50.60

調變技術: IEEE 802.11ax (40MHz)
CHAIN 1

File: 20-07-MAS-052_5-2ax40_Ant2 #7 Date: 2020/7/29 Temperature: 24 °C
Site: RF-Cond01 Humidity: 52 %



Condition: UNII-Band1-2-Bandedge RF Conducted
EUT: PlayStation5 console (Wireless) Sweep Time: 1ms Att.: 15dB
Model: CFI-1018A RBW: 1000 KHz VBW: 3000 KHz
Test Mode: UNII Operator: Phillip
Note: NCC_LP0002_802.11ax40 Channel 38_Low_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5147.20000	-47.72

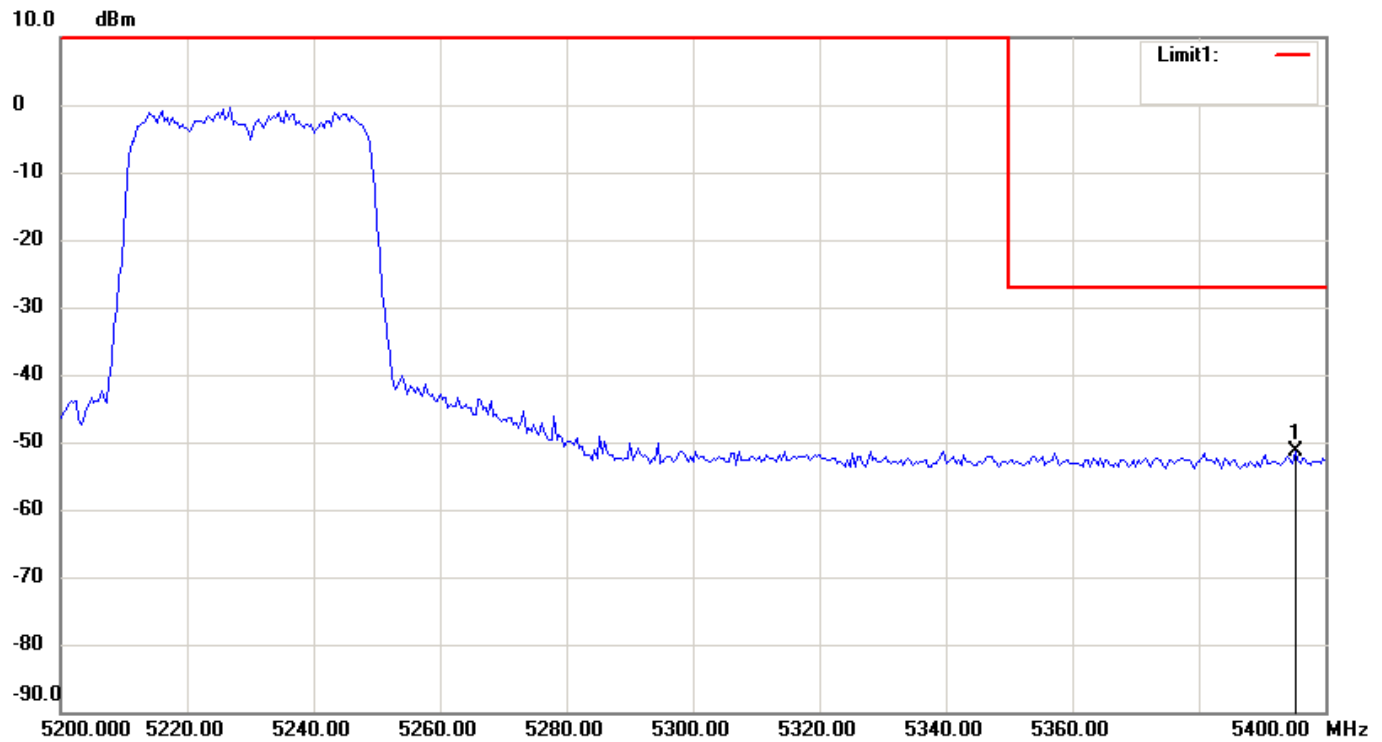
File: 20-07-MAS-052_5-2ax40_Ant2
Site: RF-Cond01

#14

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax40 Channel 46_High_Bandedge

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5395.20000	-51.26

調變技術: IEEE 802.11ax80

CHAIN 0

File: 20-07-MAS-052_5-2ax80_Ant1

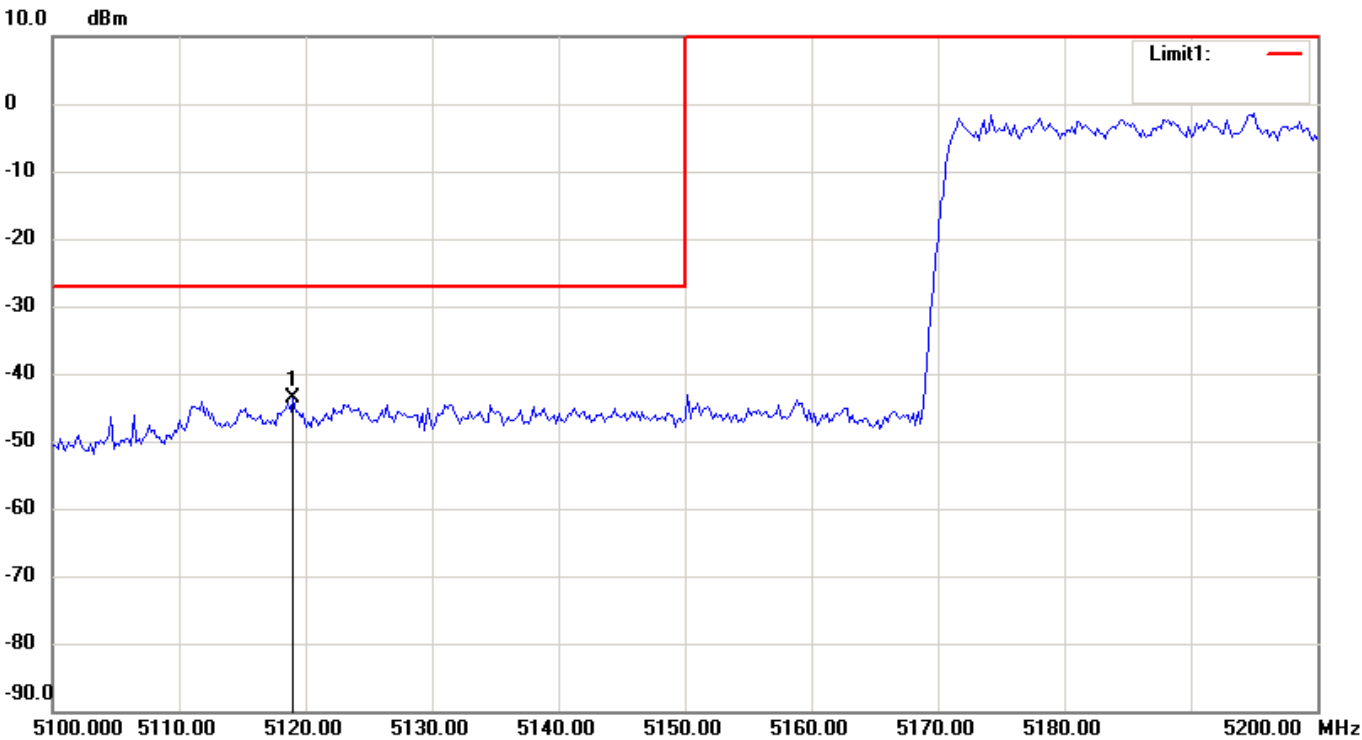
#17

Date: 2020/7/29

Temperature: 24 °C

Site: RF-Cond01

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 1ms Att.: 15dB

Model: CFI-1018A

RBW: 1000 KHz VBW: 3000 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax80 Channel 42_Low_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5119.00000	-43.63

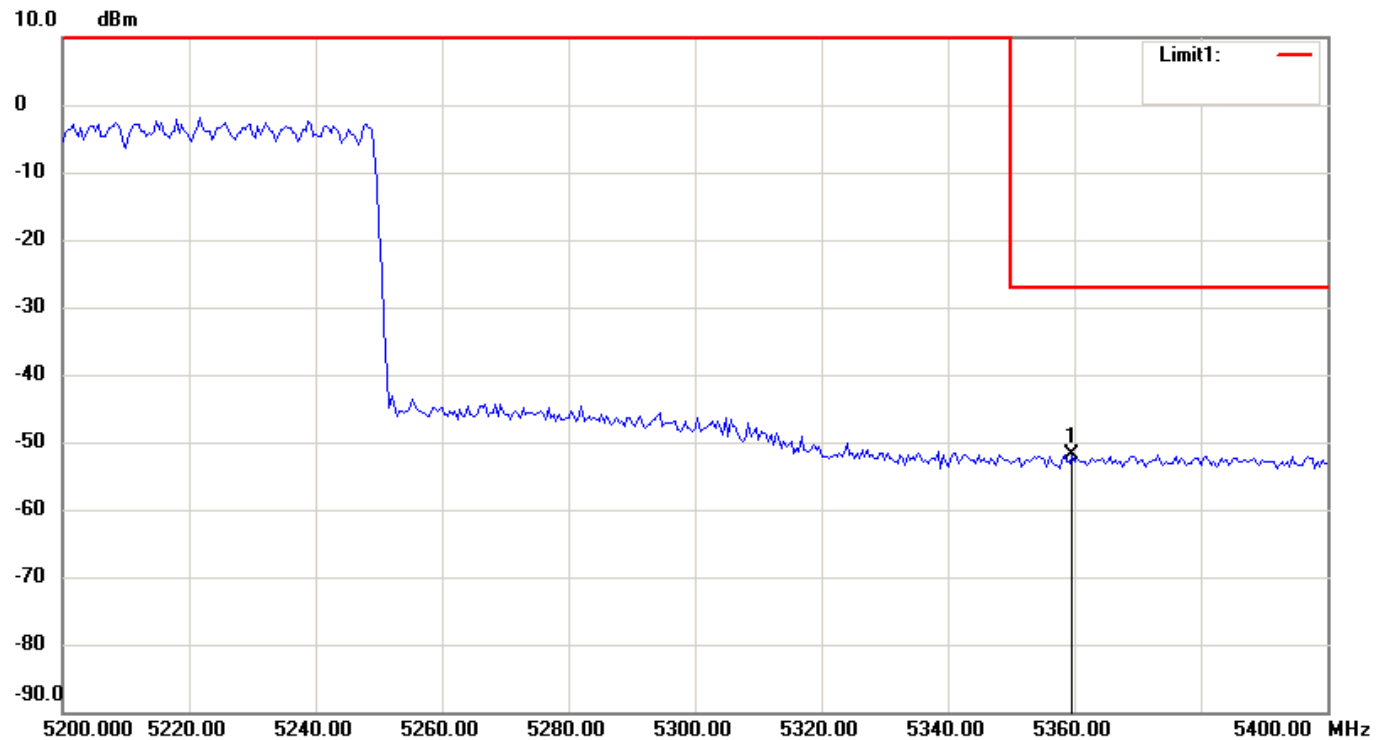
File: 20-07-MAS-052_5-2ax80_Ant1
Site: RF-Cond01

#18

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax80 Channel 42_High_Bandedge

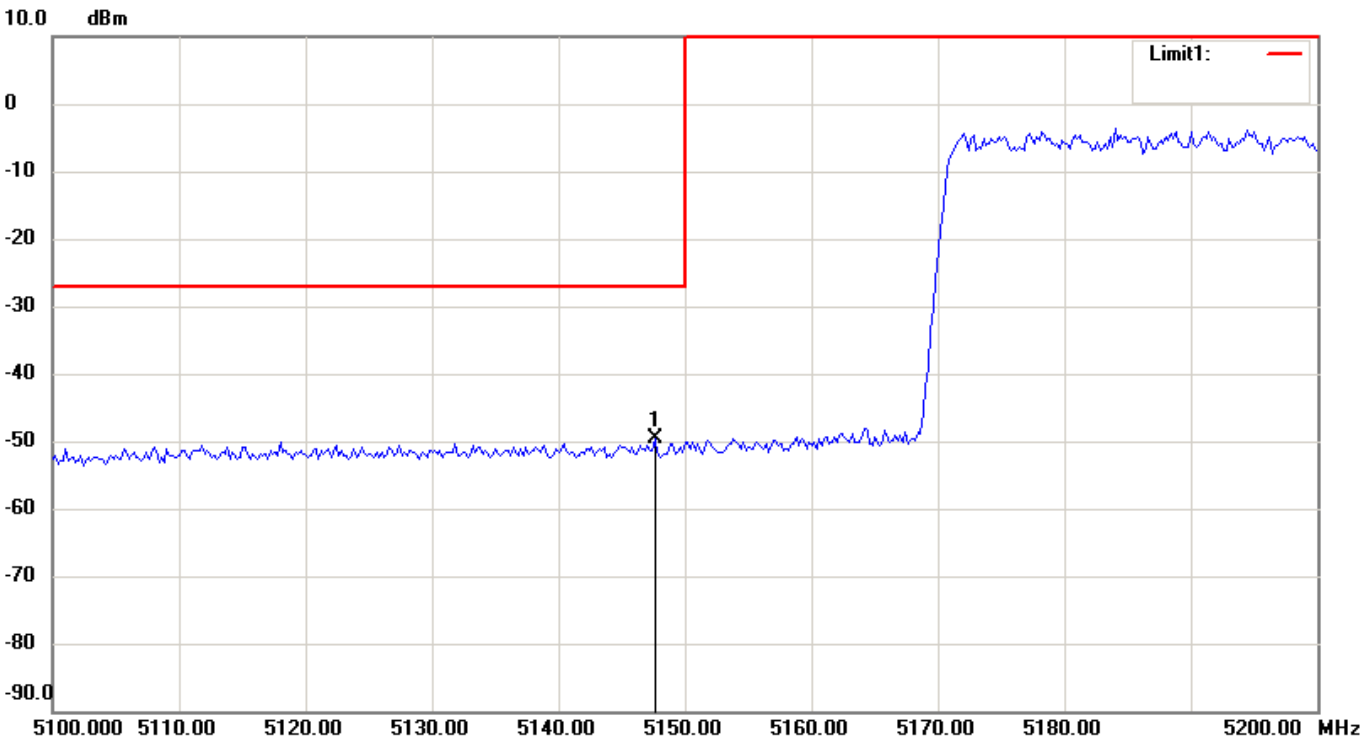
RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5359.60000	-51.85

調變技術: IEEE 802.11ax80

CHAIN 1

File: 20-07-MAS-052_5-2ax80_Ant2 #7 Date: 2020/7/29 Temperature: 24 °C
Site: RF-Cond01 Humidity: 52 %



Condition: UNII-Band1-2-Bandedge RF Conducted
EUT: PlayStation5 console (Wireless) Sweep Time: 1ms Att.: 15dB
Model: CFI-1018A RBW: 1000 KHz VBW: 3000 KHz
Test Mode: UNII Operator: Phillip
Note: NCC_LP0002_802.11ax80 Channel 42_Low_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5147.60000	-49.56

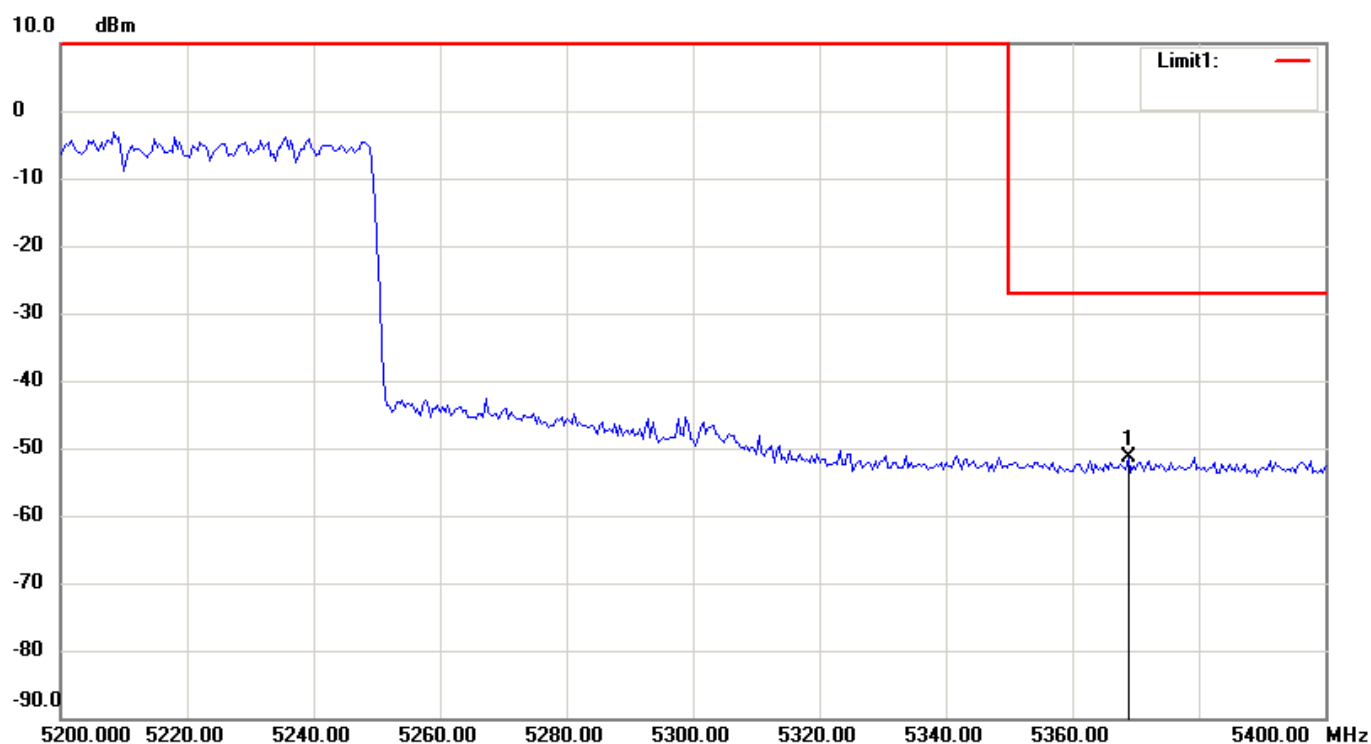
File: 20-07-MAS-052_5-2ax80_Ant2
Site: RF-Cond01

#8

Date: 2020/7/29

Temperature: 24 °C

Humidity: 52 %



Condition: UNII-Band1-2-Bandedge
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: UNII
Note: NCC_LP0002_802.11ax80 Channel 42_High_Bandedge

RF Conducted
Sweep Time: 1ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5368.80000	-51.34

10.7.5 結果判定

以上頻帶外邊緣測試之結果皆低於限制值-27dBm，合乎標準規定。

10.8 輻射之測試配置

圖 3: 量測頻率低於1GHz之測試配置

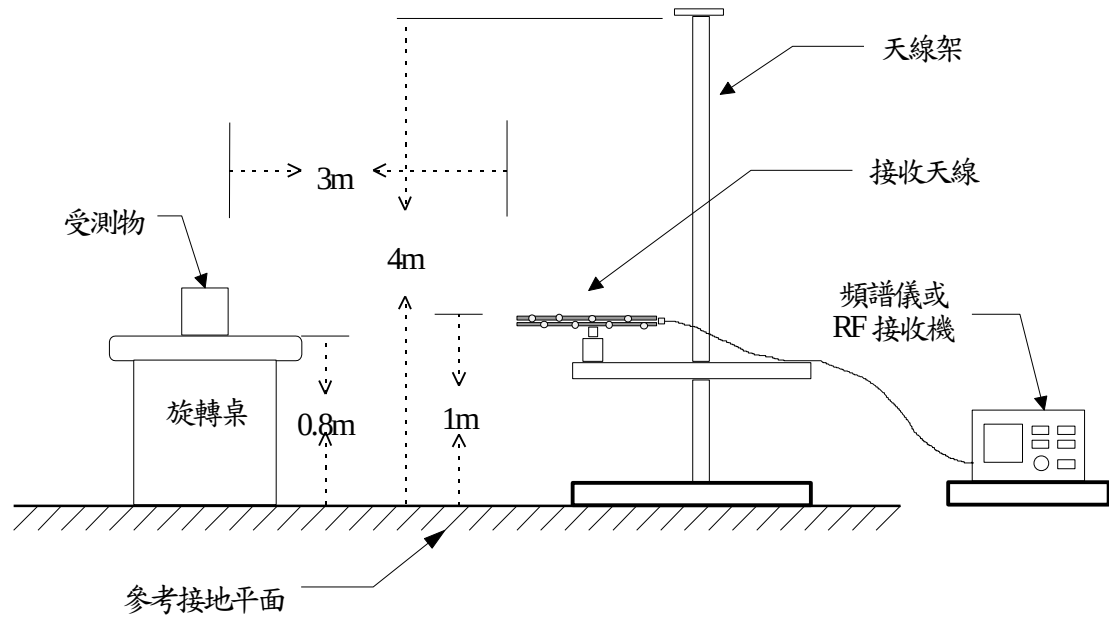
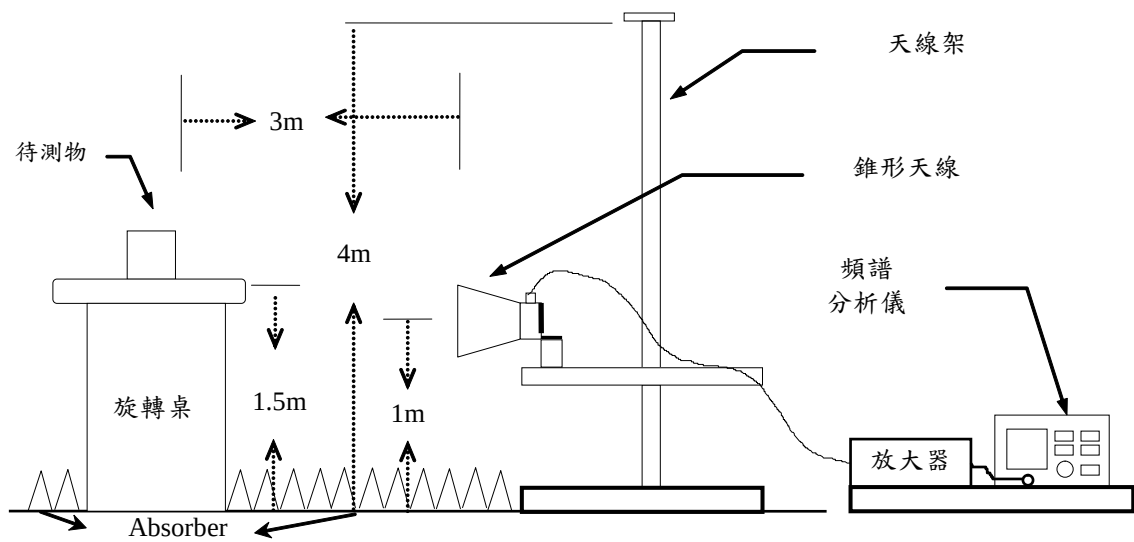


圖 4: 量測頻率高於1GHz之測試配置



10.9 輻射量測之配置照片

請參考產品照片

11 量測之儀器

儀器名稱	製造者	型 號	財產編號/序號	校驗日期	下次校驗日期
EMI Test Receiver	R&S	ESCI	13054418-001	11/26/2019	11/25/2020
V-LISN	R&S	ENV216	13057719-001	09/20/2019	09/19/2020
Spectrum Analyzer	R&S	FSV	13052017-001	06/12/2020	06/11/2021
Attenuator	WEINSCHEL	56-10	58772	04/24/2020	04/23/2021
EMI Receiver	R&S	ESCI	13054423-001	12/24/2019	12/25/2020
Spectrum Analyzer	R&S	FSU46	13040904-001	05/28/2020	05/27/2021
Horn Antenna	EMCO	3117	13059211-004	04/21/2020	04/20/2021
Horn Antenna	EMCO	3116	13059202-001	11/15/2019	11/14/2020
PRE-Amplifier	Agilent	8449B	13040709-001	12/31/2019	12/30/2020
PRE-Amplifier	Agilent	8447D	13040715-002	04/22/2020	04/21/2021
BiLog Antenna	ETC	MCTD 2786	BL19J04024	01/14/2020	01/13/2021
PRE-Amplifier	Agilent	83051A	13052916001	09/19/2019	09/18/2020