

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)

實驗室認可證書有效期限: 110年10月31日



報告內容索引

1 一般資料	5
1.1 產品描述	5
1.2 產品特性	6
1.3 測試方法之依據	6
2 適用規範	7
2.1 規範要求	7
2.2 限制使用之頻帶	9
3 受測裝置之系統說明	10
3.1 受測裝置	10
3.2 測試模式說明	12
4 電源線傳導干擾之量測	22
4.1 適用標準	22
4.2 測試方法	22
4.3 量測電源線傳導干擾之儀器	22
4.4 傳導干擾之量測結果	23
4.5 電源線傳導干擾之測試配置	29
4.6 傳導量測之配置照片	30
5 天線增益之要求	31
5.1 適用標準	31
5.2 天線增益	31
5.3 結果判定	31
6 發射頻寬之要求	32
6.1 適用標準	32
6.2 測試配置	32
6.3 發射頻寬之量測儀器	32
6.4 量測結果	33
6.5 結果判定	53
7 最大傳導輸出功率之量測	55
7.1 最大傳導輸出功率適用標準	55
7.2 最大傳導輸出功率之測試配置	55
7.3 最大傳導輸出功率之量測儀器	55
7.4 最大傳導輸出功率之量測結果	56
7.5 結果判定	121
8 功率密度之量測	122

8.1 適用標準.....	122
8.2 量測功率密度之配置.....	122
8.3 量測功率密度之儀器.....	122
8.4 量測結果.....	123
8.5 結果判定.....	147
9 混附波發射限制之量測.....	148
9.1 適用標準.....	148
9.2 混附波發射限制之測試配置.....	148
9.3 量測混附波發射限制之儀器.....	148
9.4 混附波發射限制之量測結果 (傳導方式量測).....	148
9.5 結果判定.....	194
10 場強輻射之量測.....	199
10.1 適用標準.....	199
10.2 量測方法.....	199
10.3 量測場強輻射之儀器.....	199
10.4 場強度之計算.....	200
10.5 場強輻射之量測結果.....	201
10.6 頻帶外邊輻射量測之量測結果.....	238
10.7 結果判定.....	245
10.8 輻射之測試配置.....	246
10.9 輻射量測之配置照片.....	247
11 量測之儀器.....	248

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)：11.42 dBm (發射功率)
 工作頻率及調變方式：5745 ~ 5825 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	低功率射頻電機技術規範 2.3節	請參閱4.3節	請參閱4.4節	合格
2	天線增益之要求	低功率射頻電機技術規範 4.7.8節	----	請參閱5.2節	----
3	發射頻寬之要求	低功率射頻電機技術規範 4.7.5節	請參閱6.3節	請參閱6.4節	合格
4	最大傳導輸出功率之要求	低功率射頻電機技術規範 4.7.3.3節(1)	請參閱7.3節	請參閱7.4節	合格
5	功率密度之要求	低功率射頻電機技術規範 4.7.3.3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	低功率射頻電機技術規範 4.7.2節	請參閱9.3節	請參閱9.4節	合格
7	場強輻射之要求	低功率射頻電機技術規範 4.7.4.6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：

鄭敦
109.08.31

直接主管：

黃敬珩
109.08.31

量測員：

鄭世昌
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

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 4 (5725 至 5850 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 1 (5180 MHz 至 5240 MHz) 部份請見 ETC 報告編號: 20-07-MAS-052-04，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。
 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	低功率射頻電機技術規範 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	低功率射頻電機技術規範 5.7.8節	低功率射頻電機技術規範 4.7.8節
3	發射頻寬之要求	低功率射頻電機技術規範 5.7.5節	低功率射頻電機技術規範 4.7.5節
4	最大傳導輸出功率之要求	低功率射頻電機技術規範 5.7.3.3節(1)	低功率射頻電機技術規範 4.7.3.3節(1)
5	功率密度之要求	低功率射頻電機技術規範 5.7.3.3節(2)	低功率射頻電機技術規範 4.7.3.3節(2)
6	混附波發射限制之要求	低功率射頻電機技術規範 5.7.4節	低功率射頻電機技術規範 4.7.4節
7	場強輻射之要求	低功率射頻電機技術規範 5.7.4.6節	低功率射頻電機技術規範 4.7.4.6節
	以下空白		

1.2 產品特性

此裝置為 PlayStation®5，內含之WLAN其發射頻率落於 5745 至 5825 MHz 頻段，採用 IEEE 802.11a/n/ac/ax OFDM 調變技術，其應用為區域網路無線傳輸。主波發射功率為 11.42 dBm，即為 13.87 mW。

RF chain	2T2R	
Operating Frequency	IEEE 802.11a/n 20/ac/ax 20MHz: 5.745GHz~5.825GHz, 5ch IEEE 802.11ac/ax 40MHz Bnd: 5.755GHz~5.795GHz, 2ch IEEE 802.11ac/ax 80MHz: 5.775 GHz, 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，其發射天線之方向性增益超過6dBi時，應依其所超過之dB數等量降低峰值輸出功率。如用於固定式點對點操作時，應符合下列情形之一：

操作於5725-5850兆赫(MHz)者，依法規4.7.3.3(3)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

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

(3) 頻寬之要求

對使用數位調變技術之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範4.7.5節之規定，6dB頻寬至少應有500 kHz。

(4) 最大傳導輸出功率之要求

依據國家通訊傳播委員會低功率射頻電機技術規範4.7.3.3節(1)之規定，對使用數位調變技術之低功率發射機，最大傳導輸出功率應小於或等於 1 Watt。

(5) 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4.7.3.3節之(2)規定，對數位調變技術系統，在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm

(6) 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4.7.4.2節之規定，在 5.725 GHz～5.850 GHz 的頻段操作之發射器：所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP)≤27 dBm/MHz～15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz～25 MHz，有效等向輻射功率(EIRP)≤15.6 dBm/MHz～10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz～75 MHz，有效等向輻射功率(EIRP)≤10 dBm/MHz～-27 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外≥75 MHz 的頻率之發射，有效等向輻射功率(EIRP)≤-27 dBm/MHz；有關遮罩限制值詳圖 1。

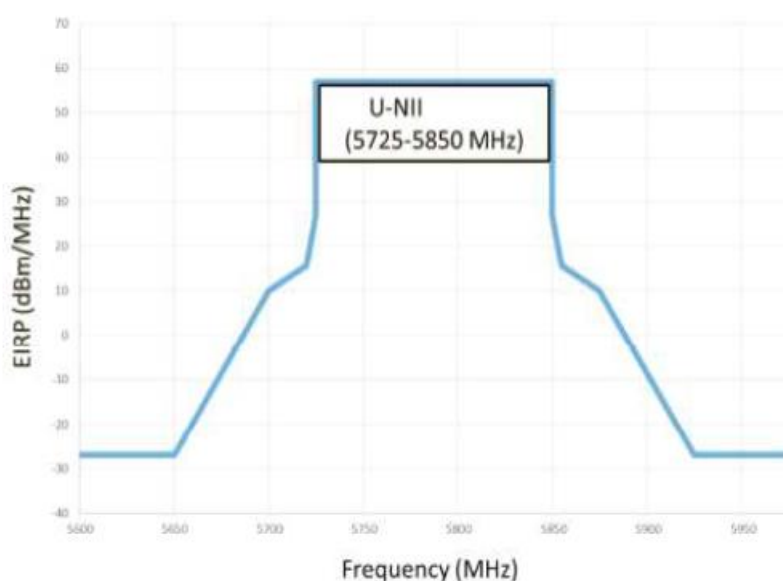


圖 1

(7) 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 4.7.4.6節之要求，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 $\mu\text{V/m}$
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

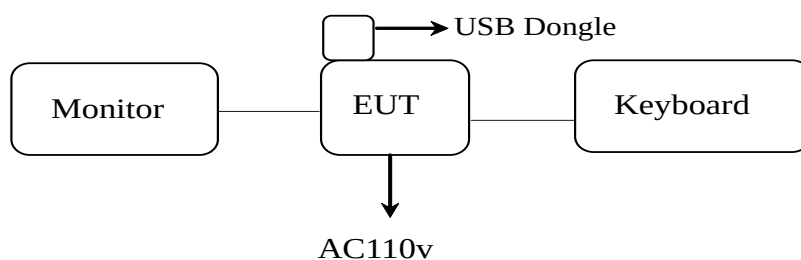
裝置名稱	製造者/代理者	型 號	纜線說明
* PlayStation® 5	Sony Interactive Entertainment Inc.	CFI-1018A	非隔離電源線 1.5m* 1 (廠牌:I-sheng /型號:SP-18B)
Keyboard	DELL	KB216P	非隔離信號線 1.8m * 1
Monitor	DELL	SE2216H	非隔離電源線 1.8m * 1
USB Dongle	SONY	USB3.1Gen1	----
Notebook	HP	Probook650G1	非隔離信號線 10m * 1 (LAN)
USB HDD	SONY	HD-EG5	隔離信號線 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。

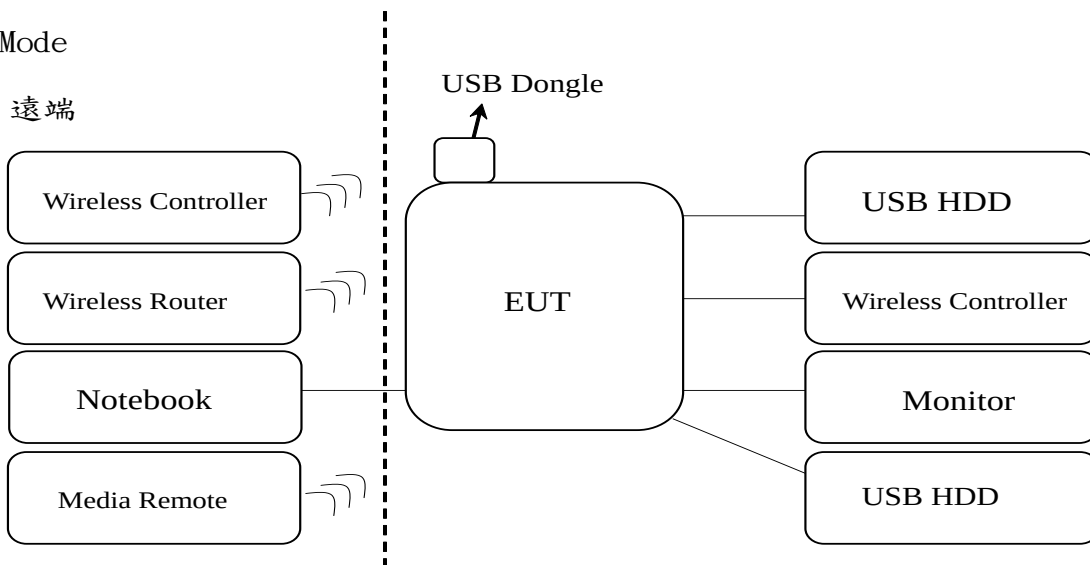
2.配件USB Cable 1和USB Cable 2，擇一搭配販售。

3.測試配置：

工程模式



Normal Mode



3. 測試模式:

3.1 IEEE 802.11a, 802.11n HT20, 802.11ac VHT20, IEEE 802.11ax (20MHz) mode:

測試頻道如下:

Channel	Frequency (MHz)
Low = 149	5745
Middle = 157	5785
High = 165	5825

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

IEEE 802.11 n HT20, 802.11ac VHT20, IEEE 802.11ax (20MHz) mode: MCS0 data rate is the worse case for full testing.

3.2 IEEE 802.11n HT40, 802.11ac VHT40, IEEE 802.11ax (40MHz) mode:

測試頻道如下:

Channel	Frequency (MHz)
Low = 151	5755
High = 159	5795

IEEE 802.11 n HT40, 802.11ac VHT40, IEEE 802.11ax (40MHz) mode: MCS0 data rate is the worse case for full testing.

3.3 IEEE 802.11ac VHT80, IEEE 802.11ax (80MHz) mode:

測試頻道如下:

Channel	Frequency (MHz)
155	5775

IEEE 802.11 ac VHT80, IEEE 802.11ax (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 802.11ac VHT20	-
D	IEEE 802.11n HT40	-
E	IEEE 802.11ac VHT40	-
F	IEEE 802.11ac VHT80	-
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/ax20	IEEE 802.11n40/ac/ax40	IEEE 802.11ac/ax80
Test Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Channel Low (L)	5745	5755	5775
Channel Mid (M)	5785	n/a	n/a
Channel High (H)	5825	5795	n/a

3.2.2 測試項目及模式

Item	測試項目	測試模式	測試頻道
1	電源線傳導干擾之量測	I、J、K (註1)	M(Worse Case)
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)	I、J、K (註1)	M(Worse Case)
6.2	場強輻射之量測(1GHz以上)	A、G、H、I(註3)	L，M，H

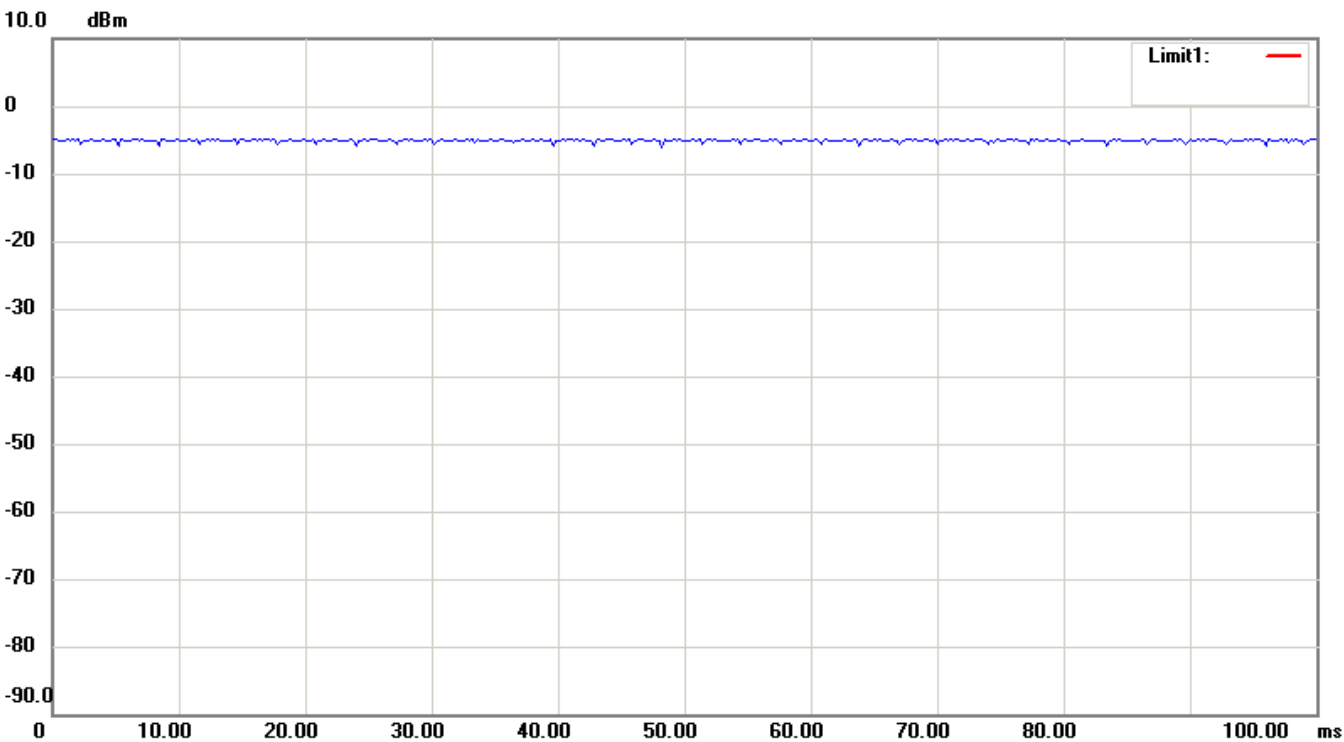
- 註: 1. 各測試模式預掃時無差異，擇一作最終測試並記錄之。
 2. 802.11n/ac/ax 以 802.11ax 為 Worse case，作最終測試並記錄之。
 3. 本產品內含雙天線，802.11n/ac/ax 模式下有 MIMO 之功能，故對兩隻天線分別進行測試再加總並記錄之。802.11a 無 MIMO 之功能，以最大傳導輸出功率較大者做為 Worse Case，進行其他項目之量測。
 4. 量測場強輻射時，應對其兩個正交軸 (X、Y) 的方位評估測試，並分別測試以找出最大輻射電場強度軸向，以最差軸模式測試，並記錄其值與軸向放置。

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

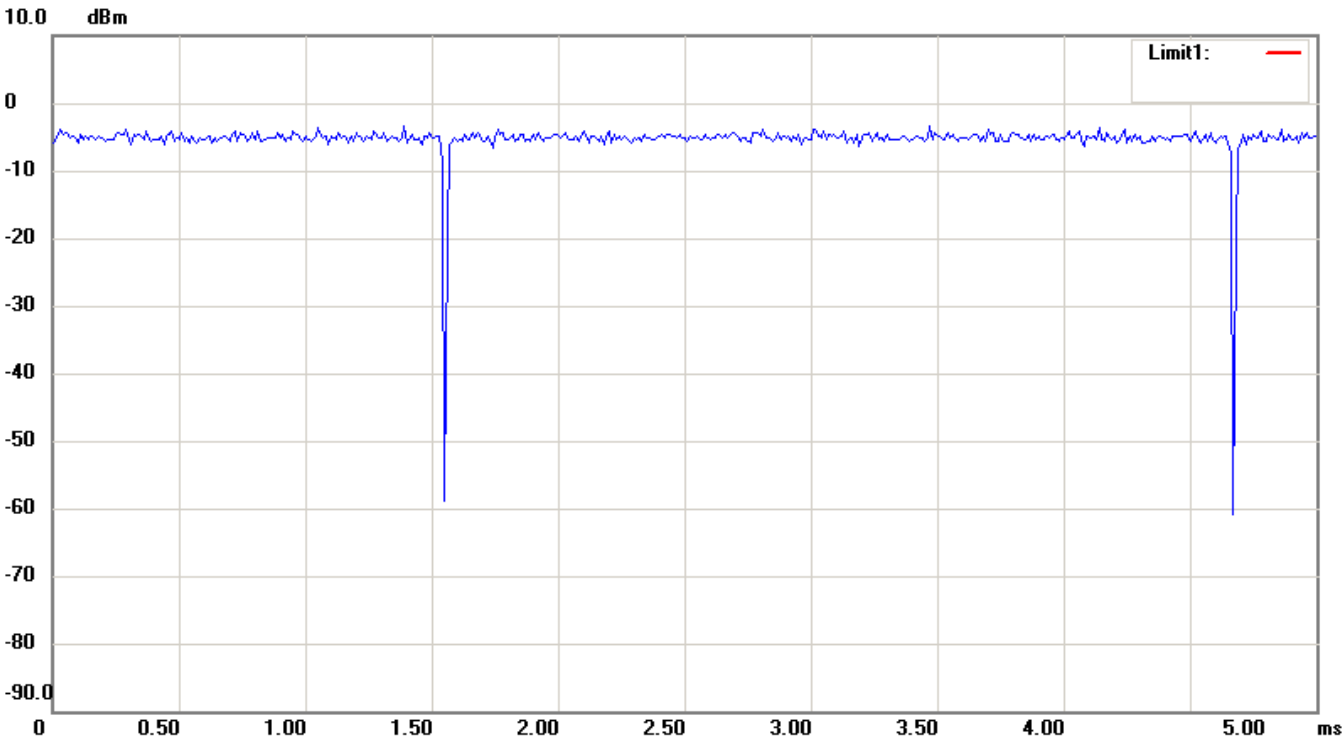
#22

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

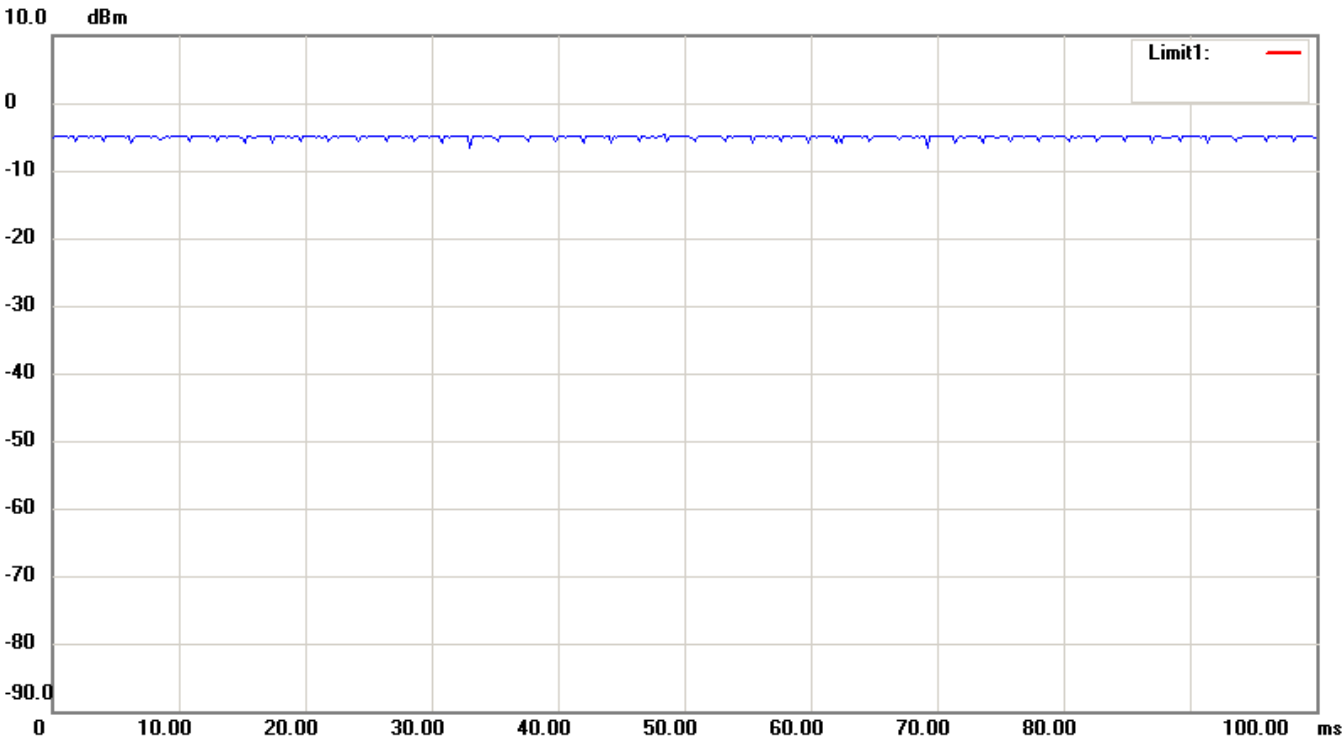
#21

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_802.11ax20 Duty-1		

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

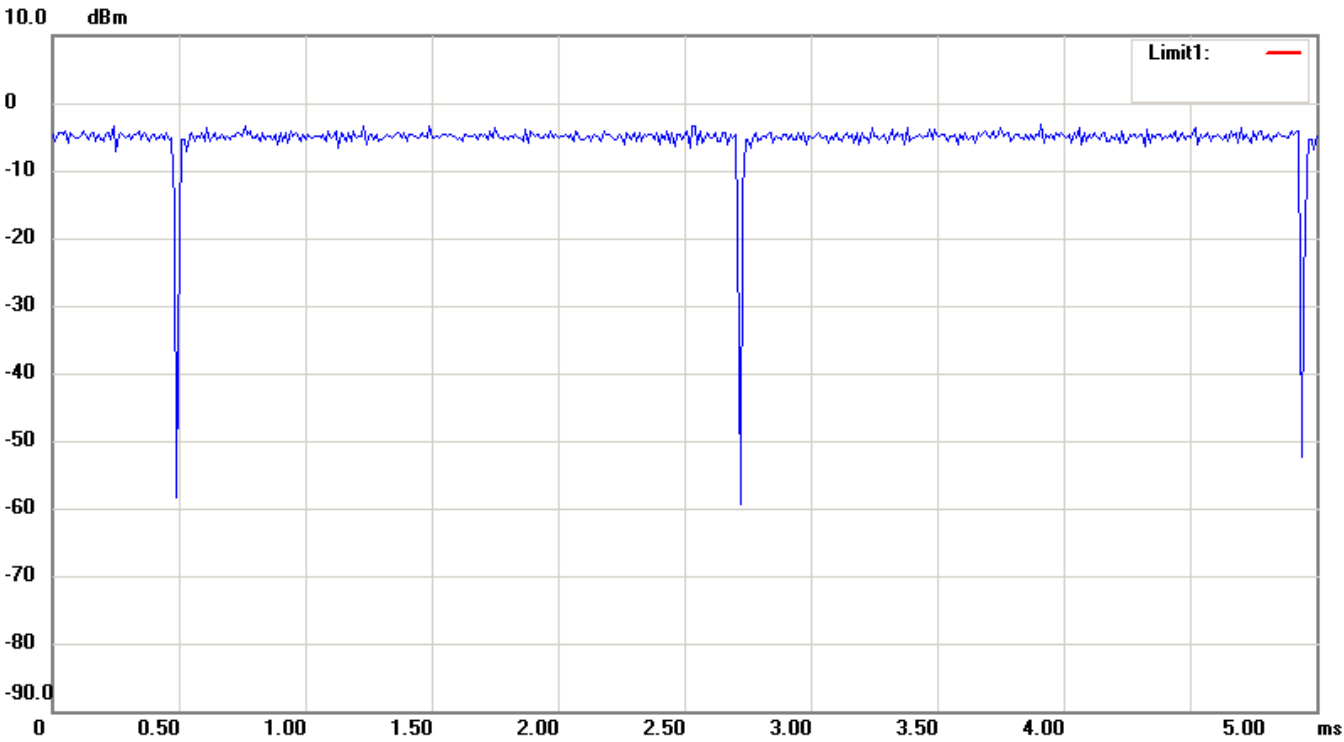
#22

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

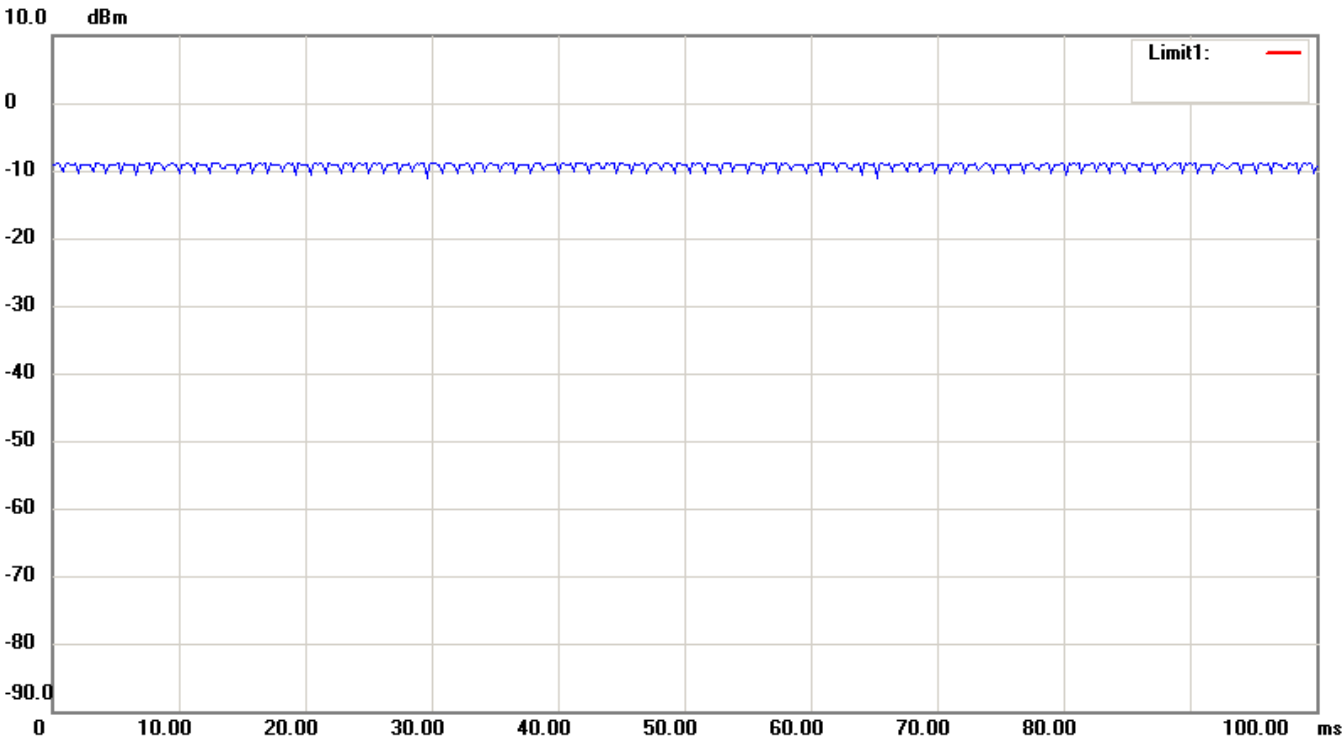
#15

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_802.11ax40 Duty-1		

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

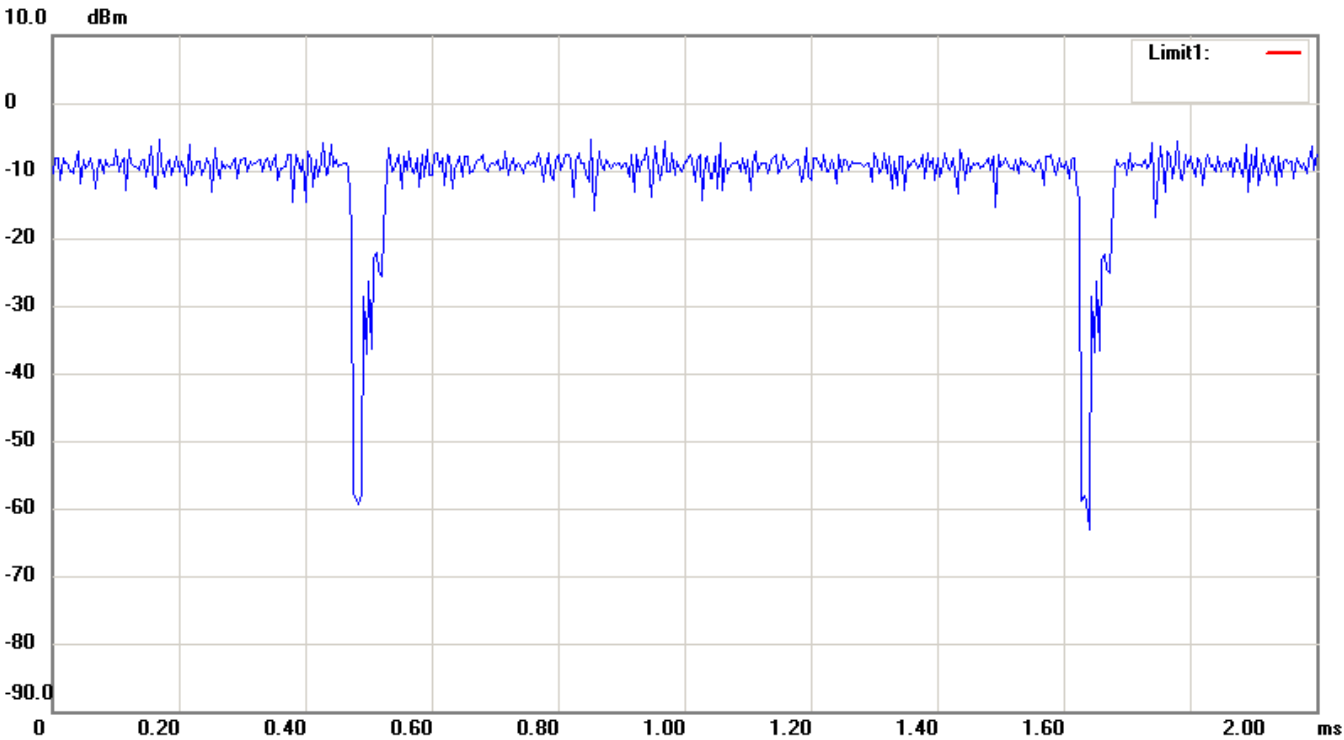
Site: RF-Cond01

#16

Date: 2020/7/29

Temperature: 24 °C

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

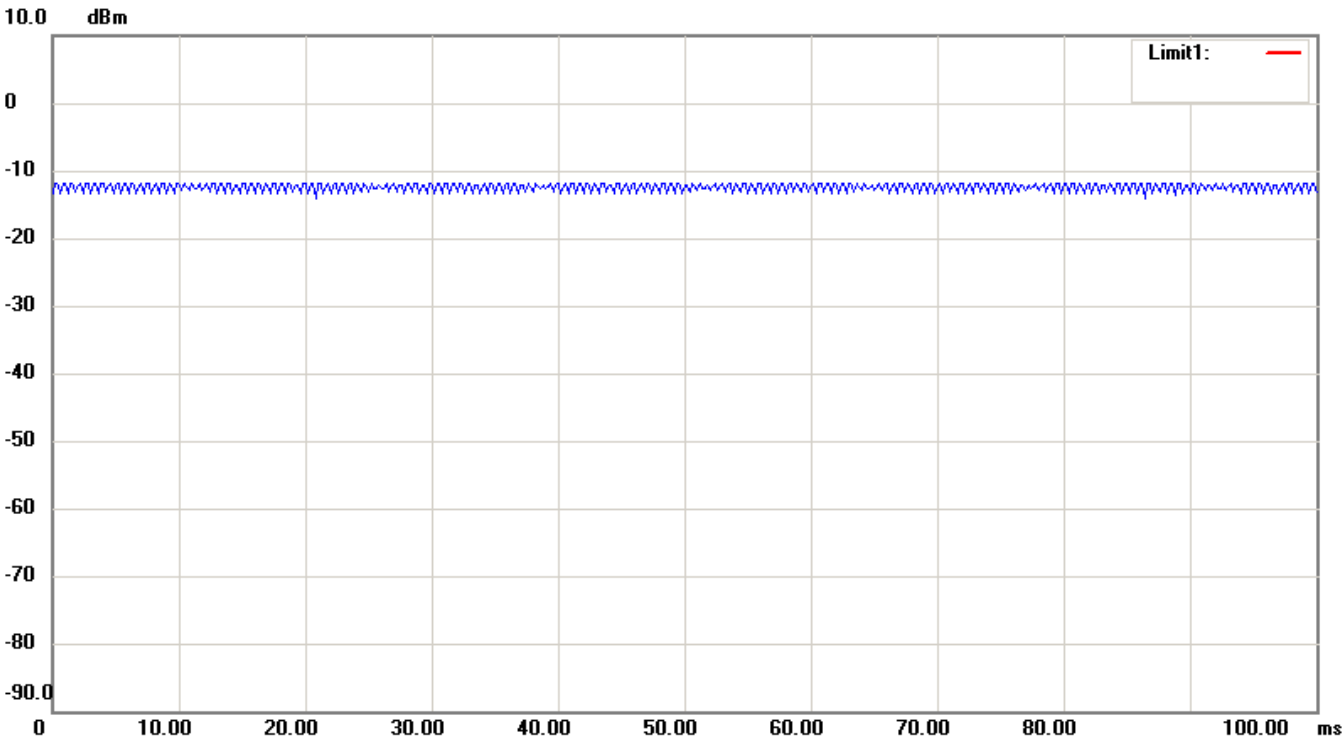
#19

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_802.11ax80 Duty-1		

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

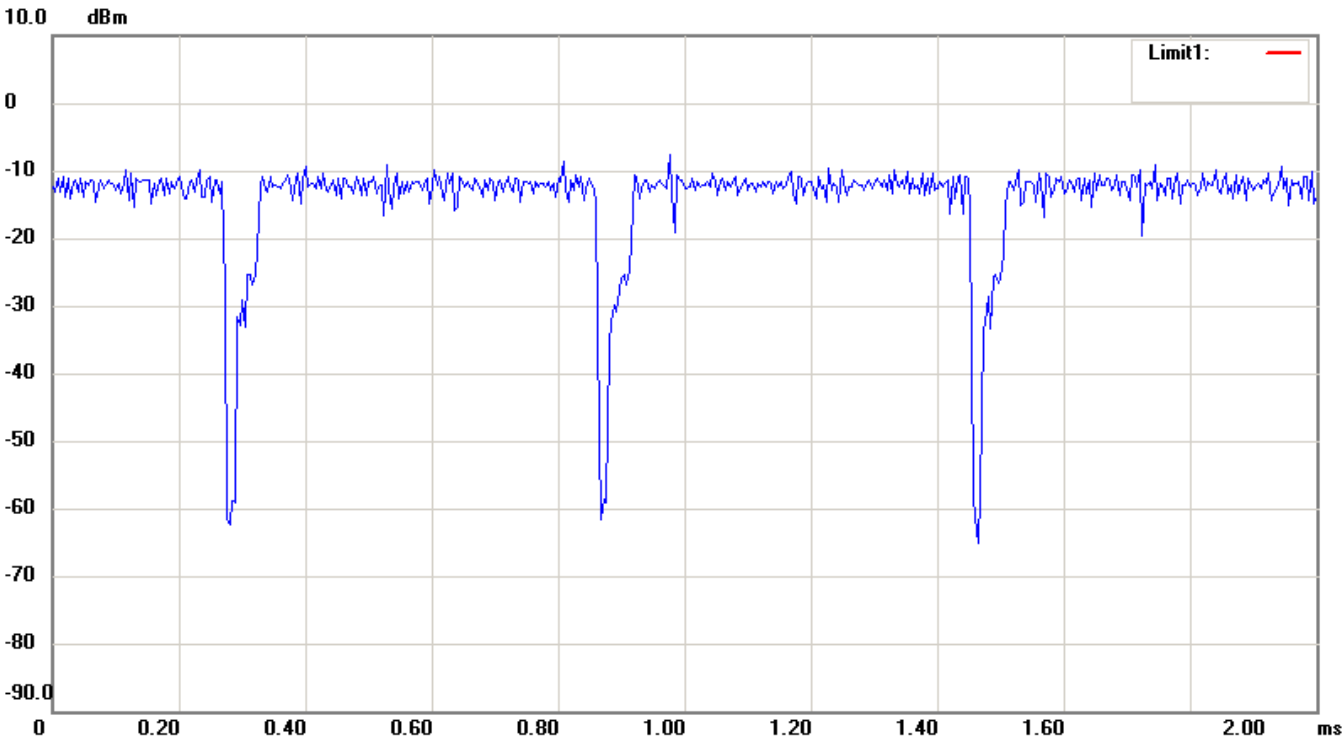
#20

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 802.11ax (80MHz)

File: 20-07-MAS-
052

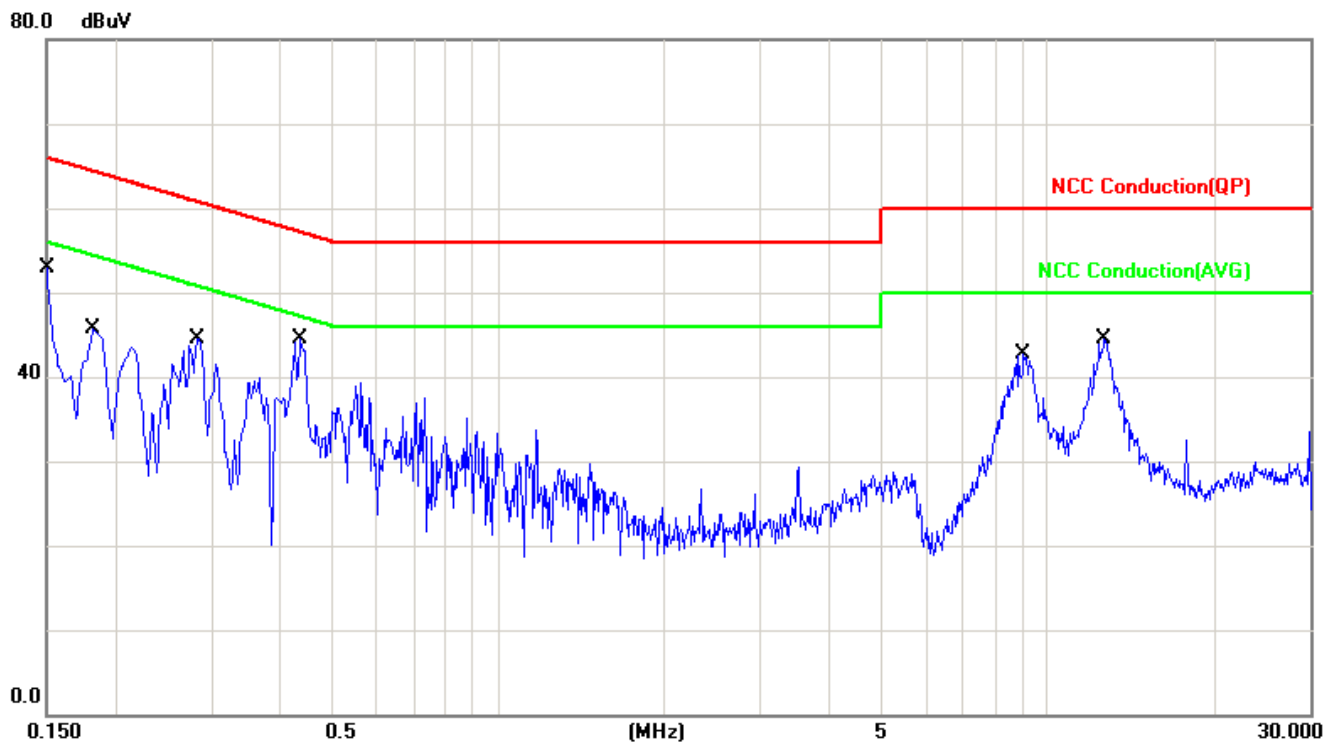
#9

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:36:46

Humidity: 50 %



Site: CE04-10M 2F

Condition: NCC Conduction(QP)

Phase: L1

EUT: PlayStation5

Power: AC 110V/60Hz

Model: CFI-1018A

Test Mode: Band4

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	43.20	QP	9.65	52.85	66.00	-13.15
2	0.182	36.01	QP	9.64	45.65	64.39	-18.74
3	0.282	34.80	QP	9.64	44.44	60.76	-16.32
*4	0.434	34.80	QP	9.65	44.45	57.18	-12.73
5	9.022	32.85	QP	9.81	42.66	60.00	-17.34
6	12.698	34.57	QP	9.85	44.42	60.00	-15.58

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

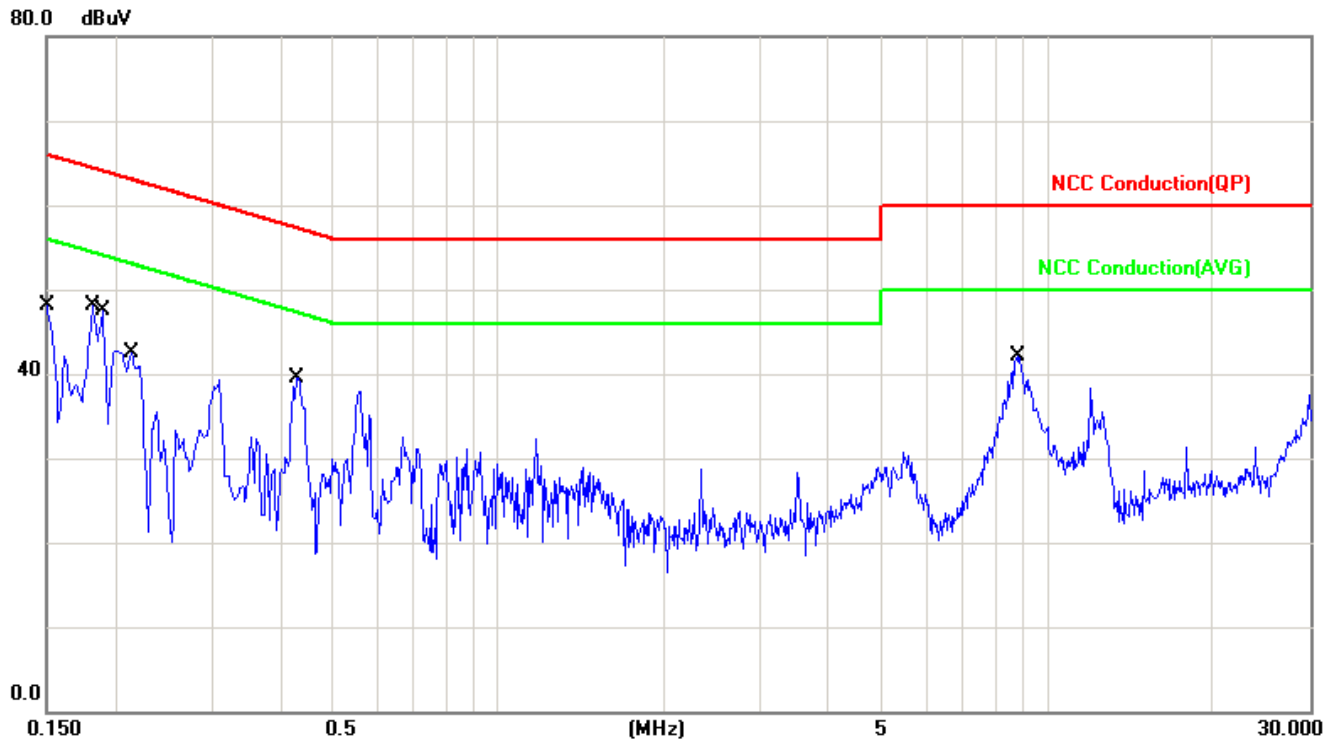
#10

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:38:18

Humidity: 50 %



Site: CE04-10M 2F

Condition: NCC Conduction(QP)

Phase: N

EUT: PlayStation5

Power: AC 110V/60Hz

Model: CFI-1018A

Test Mode: Band4

Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	38.56	QP	9.59	48.15	66.00	-17.85
*2	0.182	38.55	QP	9.58	48.13	64.39	-16.26
3	0.190	37.86	QP	9.58	47.44	64.04	-16.60
4	0.214	32.99	QP	9.58	42.57	63.05	-20.48
5	0.430	29.95	QP	9.59	39.54	57.25	-17.71
6	8.850	32.33	QP	9.77	42.10	60.00	-17.90

- 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

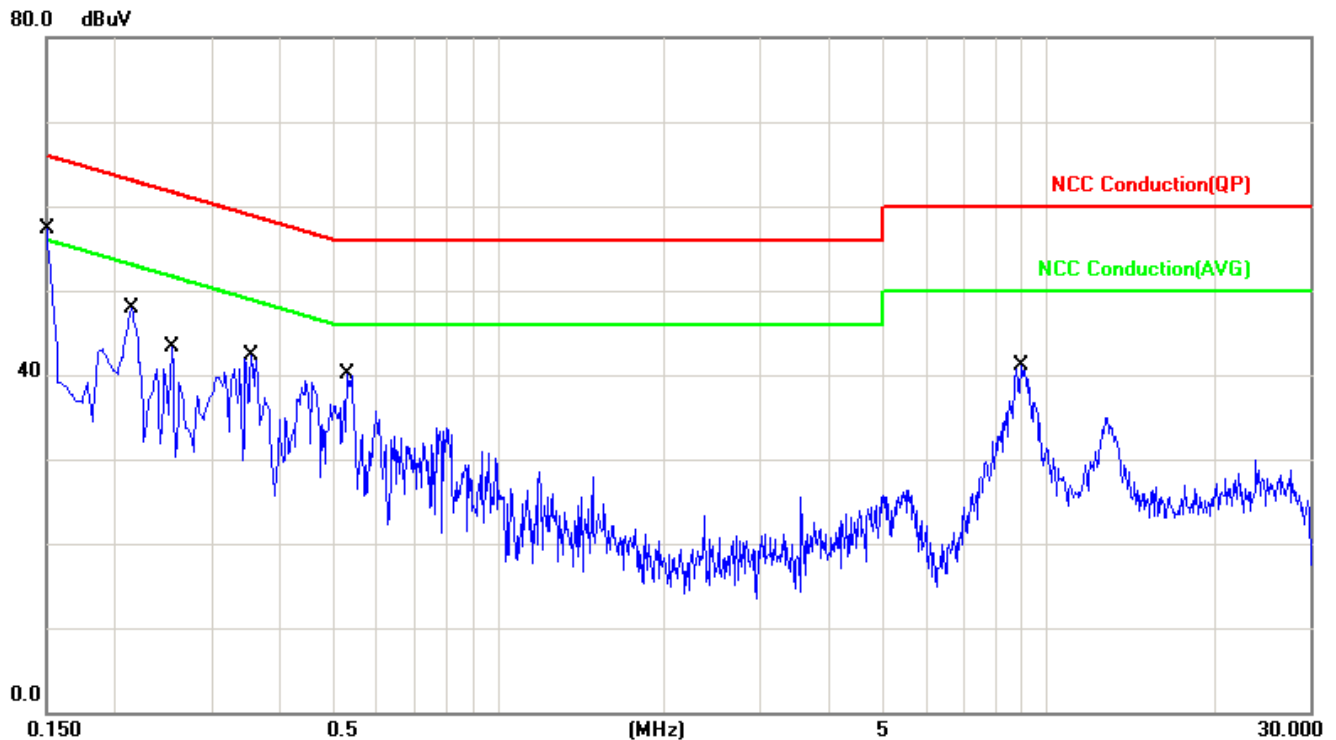
#26

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

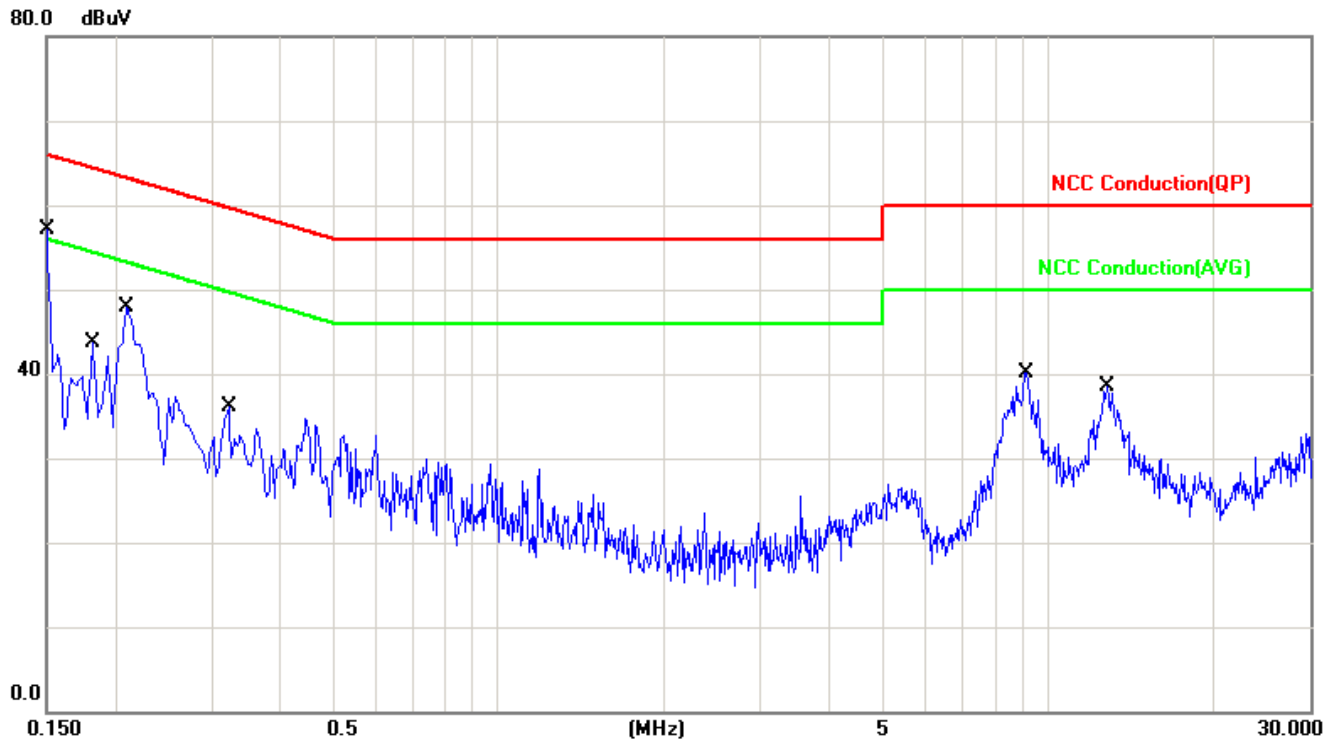
#25

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

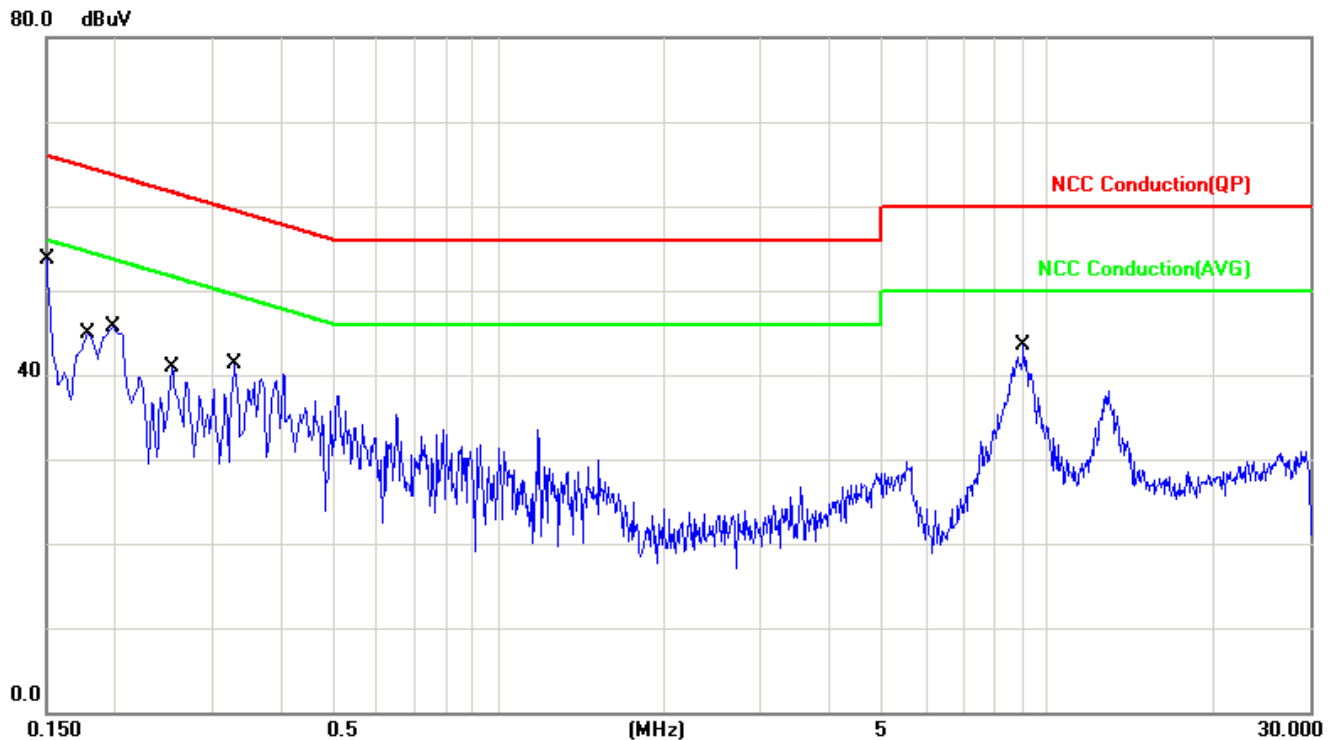
File: 20-07-MAS-052 #27

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

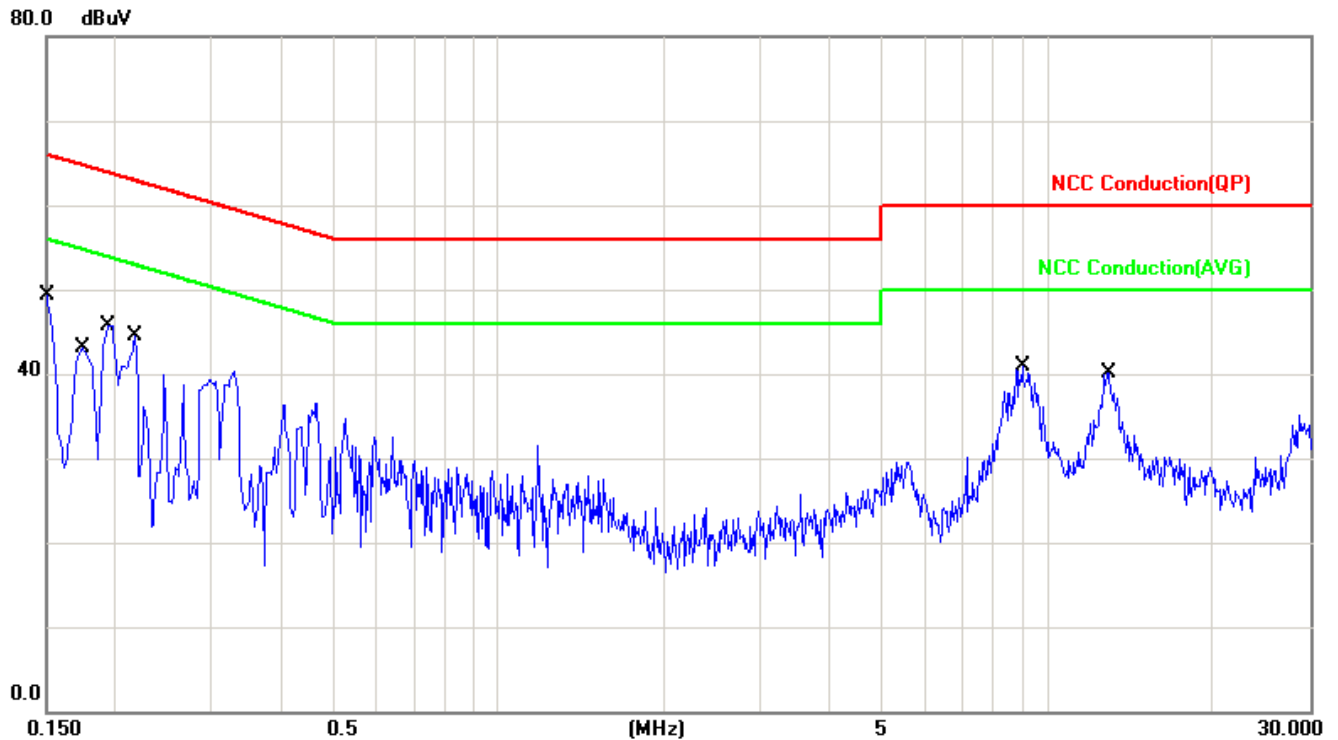
#28

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

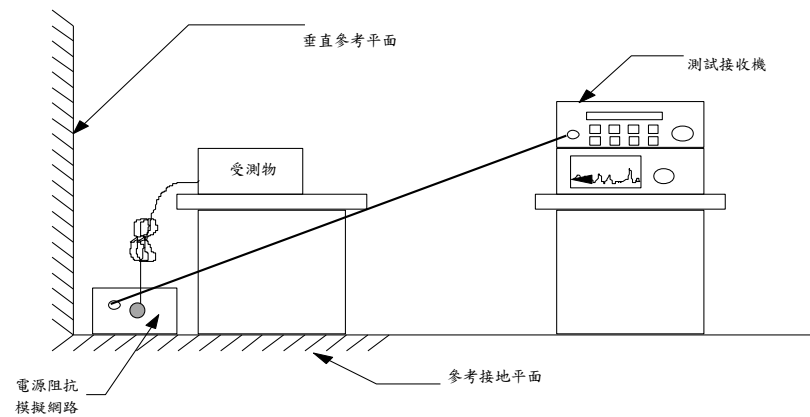
Phase: N
 Power: AC 110V/60Hz
 Operator: Phillip

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，其發射天線之方向性增益超過6dBi時，應依其所超過之dB數等量降低最大傳導輸出功率。如用於固定式點對點操作時，應符合下列情形之一：

操作於5725-5850兆赫(MHz)者，依法規4.7.3.3(3)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

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

5.2 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。

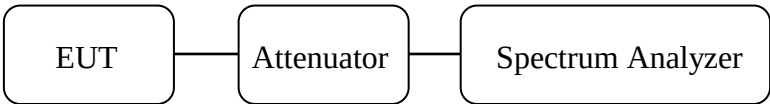
6 發射頻寬之要求

6.1 適用標準

對使用直接序列技術之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範4.7.5節 之規定，6dB頻寬至少應有500 kHz。

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: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

Channel	6dB Bndwidth (MHz)	NCC Limit (kHz)	Chart
L	16.6	500	Page 34
M	16.6	500	Page 35
H	16.6	500	Page 36

註：繪圖資料請參考第 34-36 頁。

File: 20-07-MAS-052_5-8a_Ant1

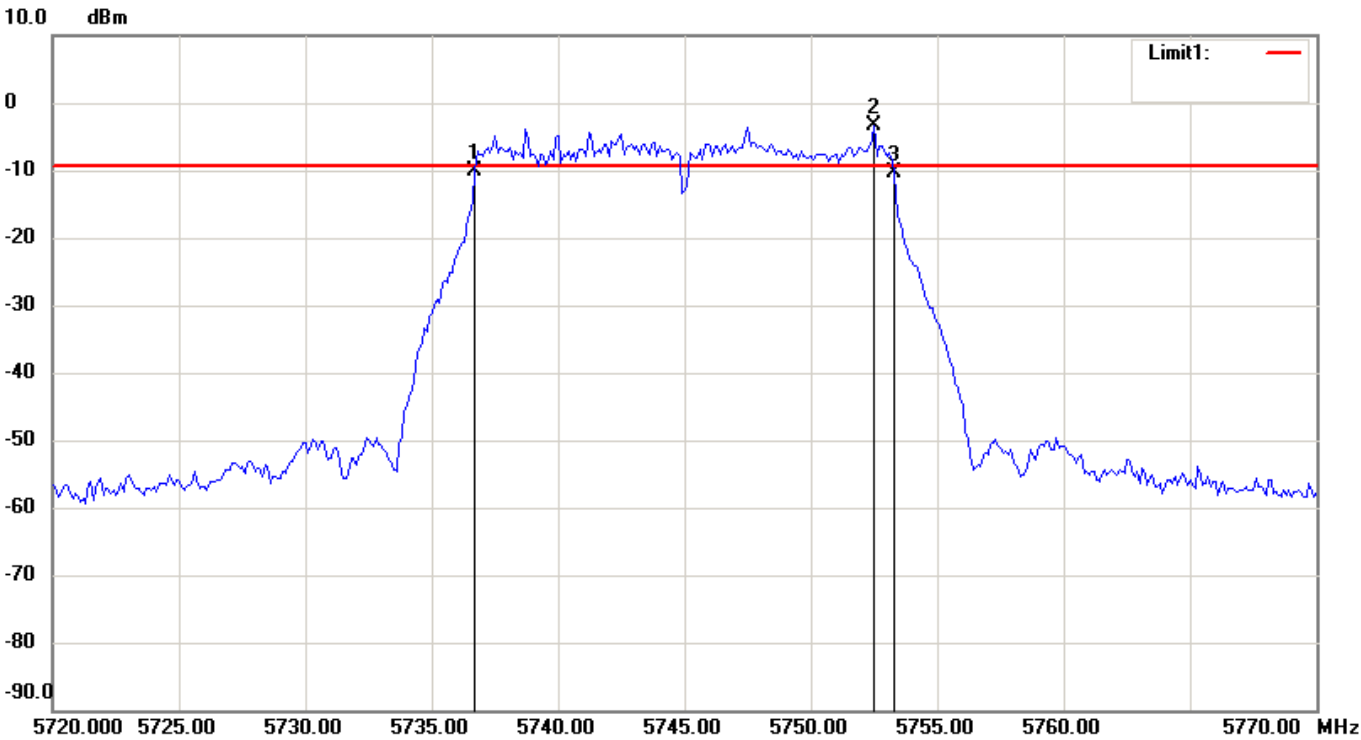
#2

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -9.29dBm

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 1.08ms

Att.: 15dB

Model: CFI-1018A

RBW: 100 KHz

VBW: 300 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11a Channel 149_-6dB MIN EBW

No.	Frequency(MHz)	Level(dBm)
1	5736.70000	-10.17
2	5752.50000	-3.29
3	5753.30000	-10.39

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	16.6	-0.22

File: 20-07-MAS-052_5-8a_Ant1

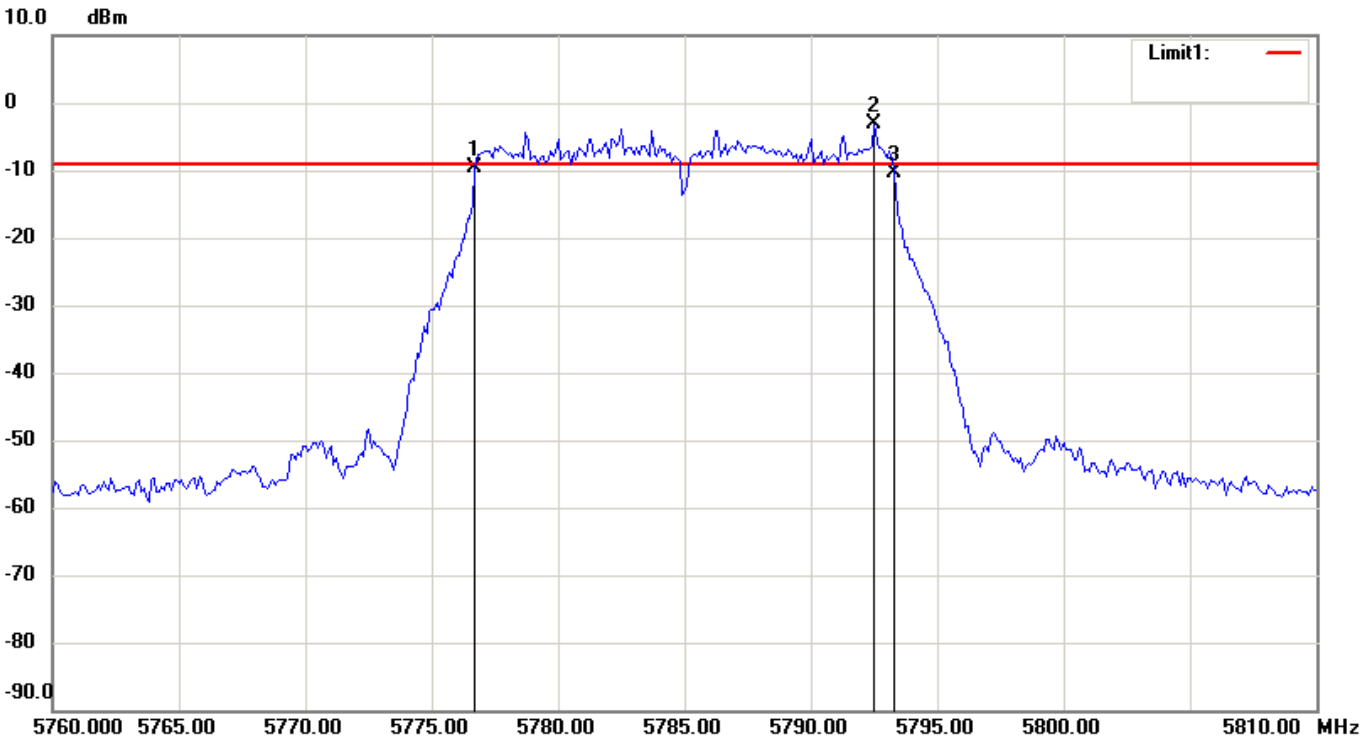
#10

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -9.06dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a Channel 157_-6dB MIN EBW

RF Conducted

Sweep Time: 1.08ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5776.70000	-9.74
2	5792.50000	-3.06
3	5793.30000	-10.44

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	16.6	-0.7

File: 20-07-MAS-052_5-8a_Ant1

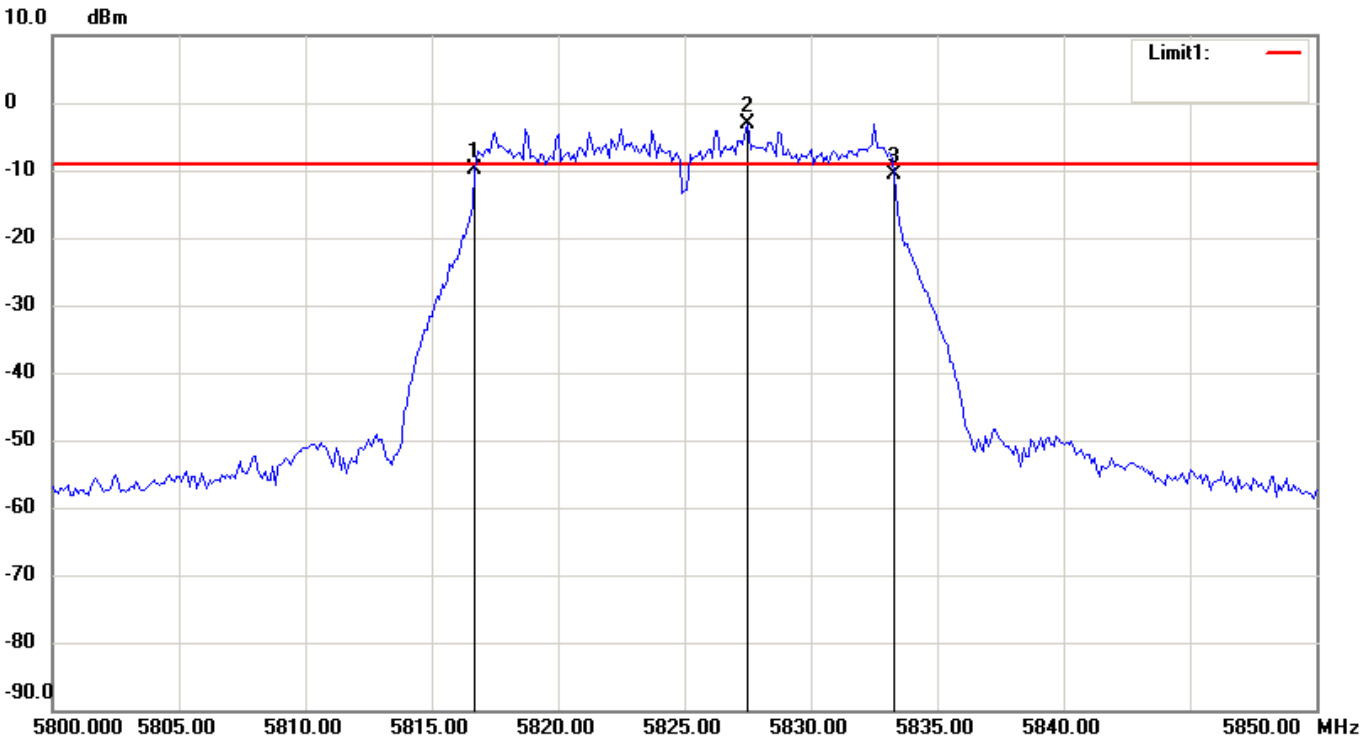
#17

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -9.09dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a Channel 165_-6dB MIN EBW

RF Conducted

Sweep Time: 1.08ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5816.70000	-9.95
2	5827.50000	-3.09
3	5833.30000	-10.57

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	16.6	-0.62

6.4.2 調變技術: IEEE 802.11ax (20MHz)

6.4.2.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24℃

環境濕度: 55%

Channel	6dB Bndwidth (MHz)	NCC Limit (kHz)	Chart
L	18.7	500	Page 38
M	18.1	500	Page 39
H	18.3	500	Page 40

註：繪圖資料請參考第 38-40 頁。

File: 20-07-MAS-052_5-8ax20_Ant1

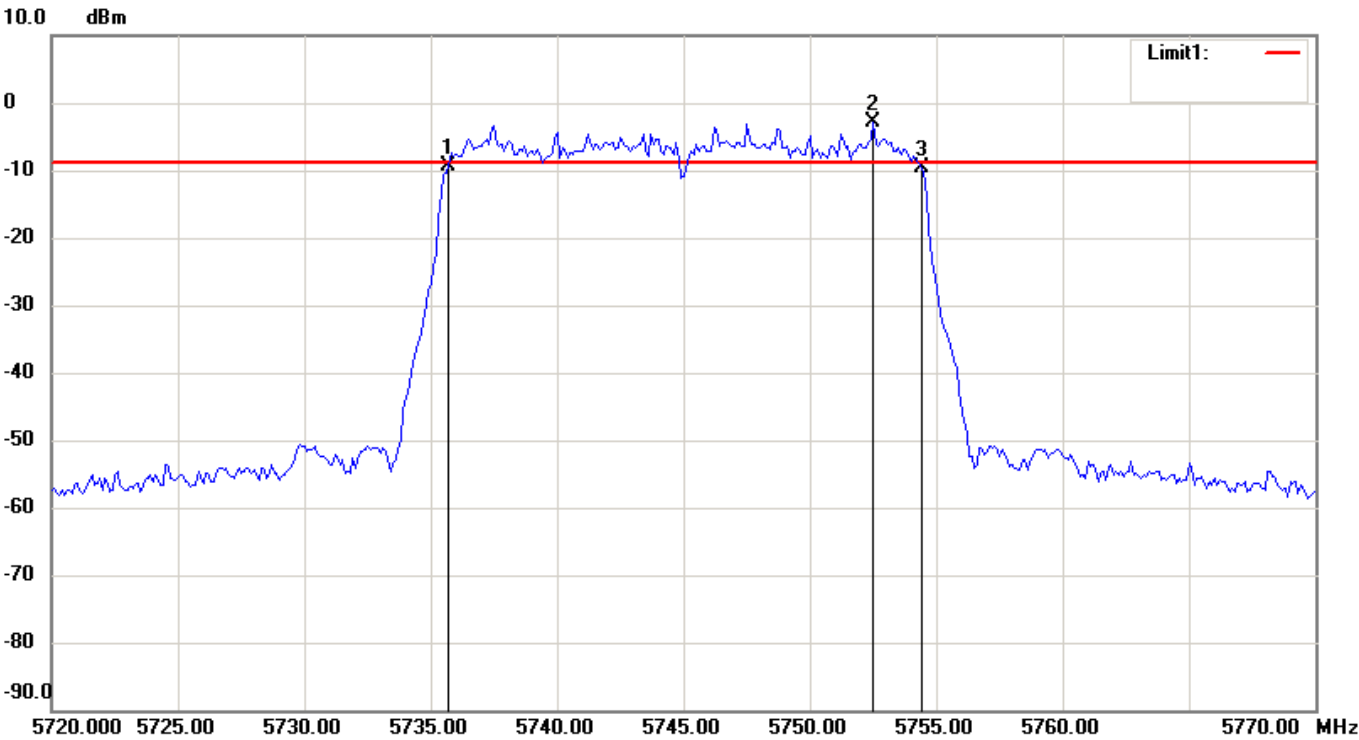
#2

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -8.89dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 149_-6dB MIN EBW

RF Conducted

Sweep Time: 1.08ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5735.70000	-9.43
2	5752.50000	-2.89
3	5754.40000	-9.64

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	18.7	-0.21

File: 20-07-MAS-052_5-8ax20_Ant1

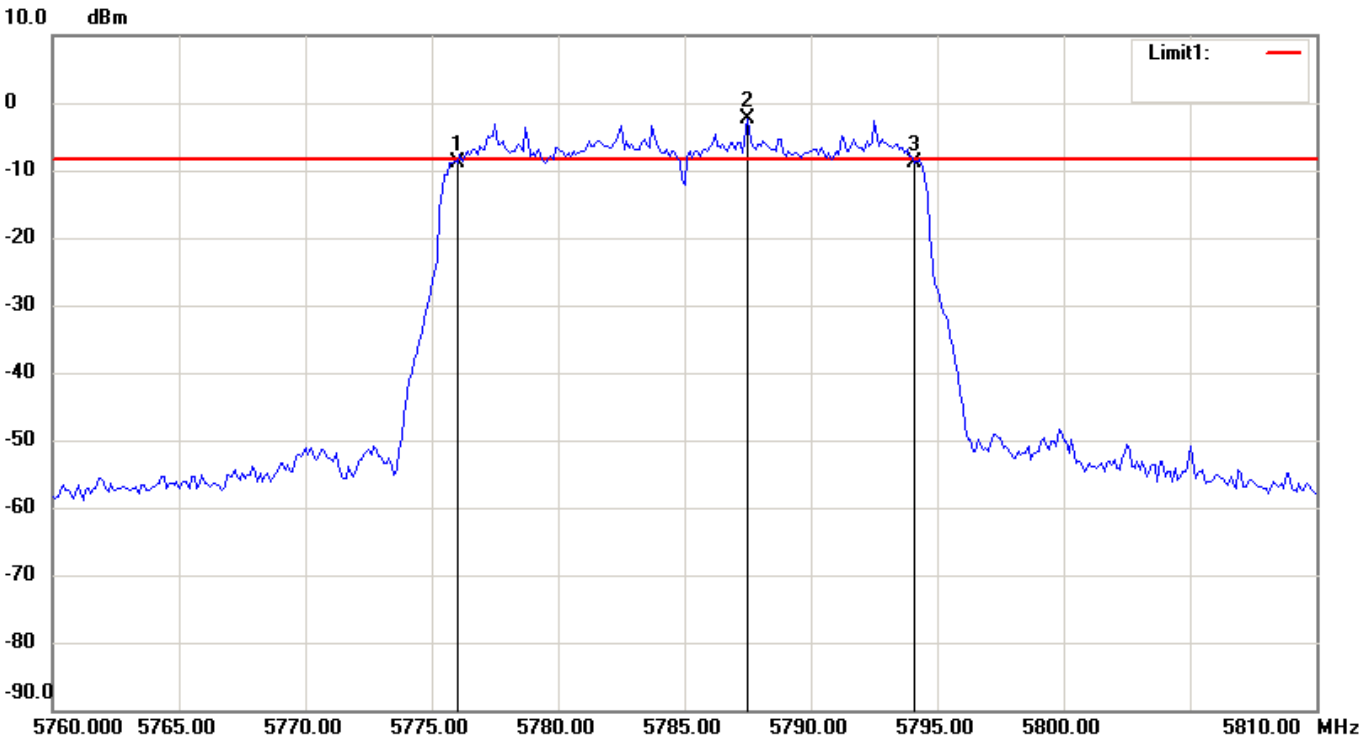
#10

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -8.43dBm

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 1.08ms

Att.: 15dB

Model: CFI-1018A

RBW: 100 KHz

VBW: 300 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax20 Channel 157_-6dB MIN EBW

No.	Frequency(MHz)	Level(dBm)
1	5776.00000	-8.86
2	5787.50000	-2.43
3	5794.10000	-8.78

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	18.1	0.08

File: 20-07-MAS-052_5-8ax20_Ant1

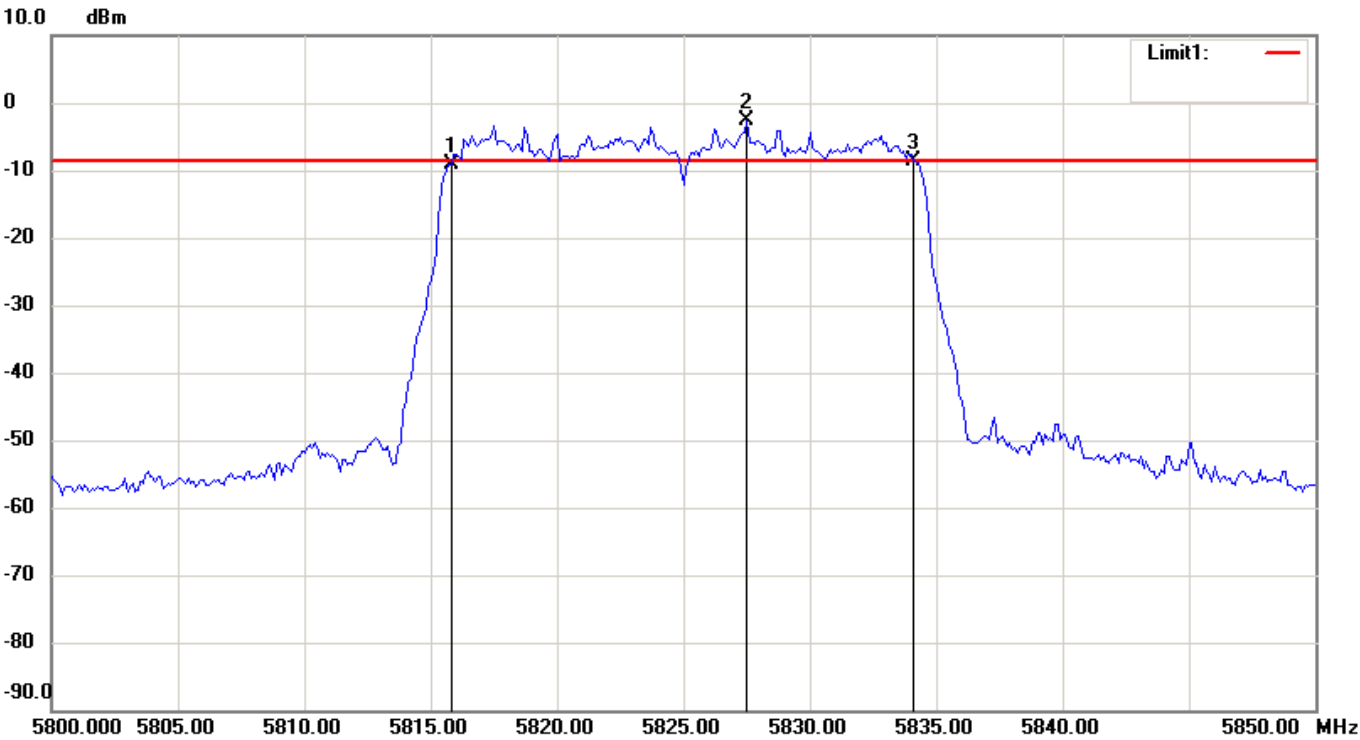
#17

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -8.69dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 165_-6dB MIN EBW

RF Conducted

Sweep Time: 1.08ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5815.80000	-9.21
2	5827.50000	-2.69
3	5834.10000	-8.70

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	18.3	0.51

6.4.2.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24℃ 環境濕度: 55%

Channel	6dB Bndwidth (MHz)	NCC Limit (kHz)	Chart
L	18.3	500	Page 42
M	18.6	500	Page 43
H	18.7	500	Page 44

註：繪圖資料請參考第 42-44 頁。

File: 20-07-MAS-052_5-8ax20_Ant2

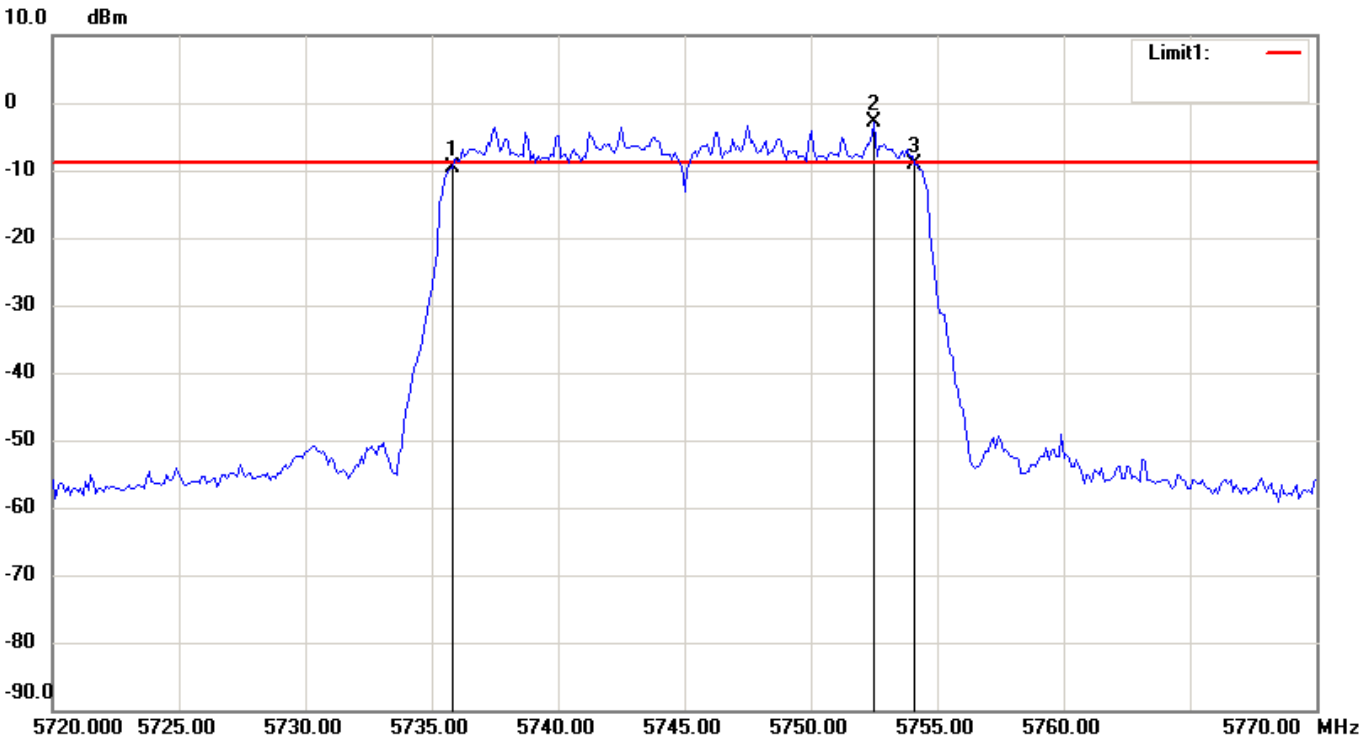
#2

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -8.87dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 149_-6dB MIN EBW

RF Conducted

Sweep Time: 1.08ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5735.80000	-9.63
2	5752.50000	-2.87
3	5754.10000	-9.02

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	18.3	0.61

File: 20-07-MAS-052_5-8ax20_Ant2

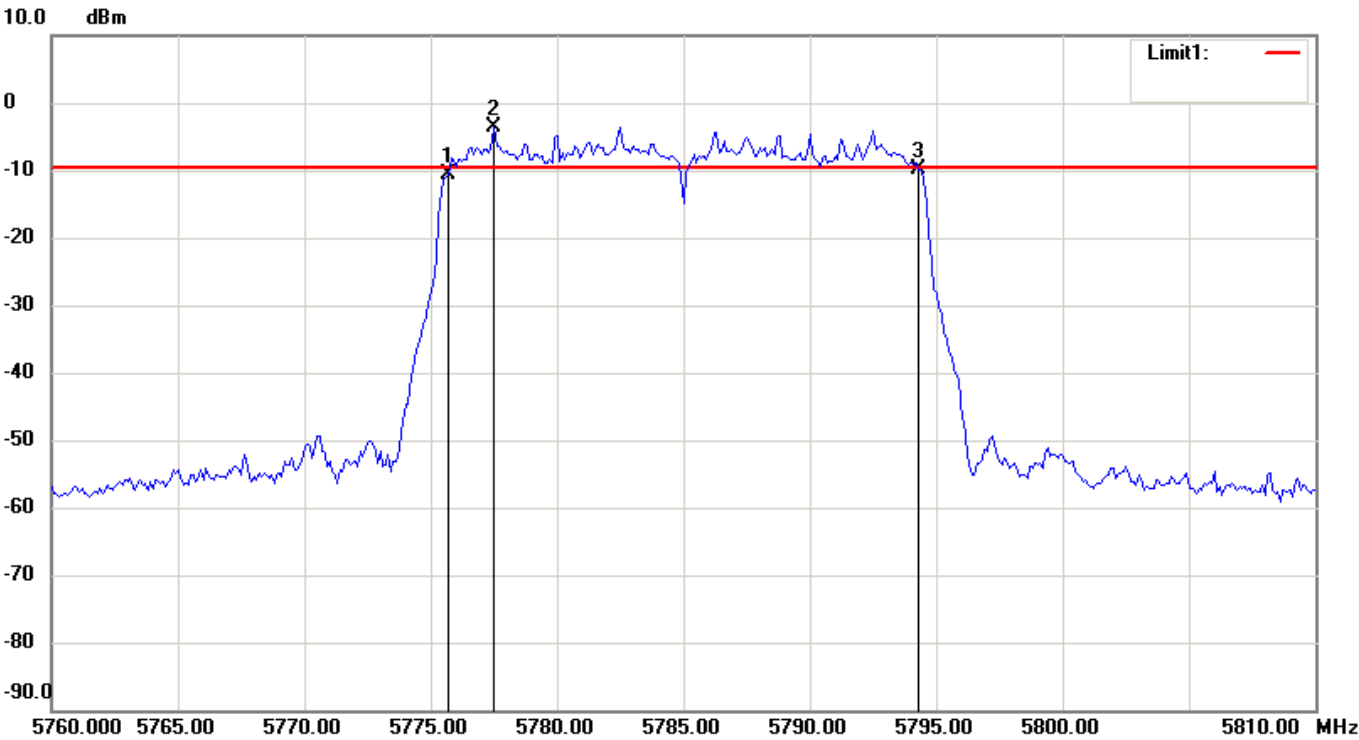
#10

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -9.6dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 157_-6dB MIN EBW

RF Conducted

Sweep Time: 1.08ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5775.70000	-10.63
2	5777.50000	-3.60
3	5794.30000	-9.76

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	18.6	0.87

File: 20-07-MAS-052_5-8ax20_Ant2

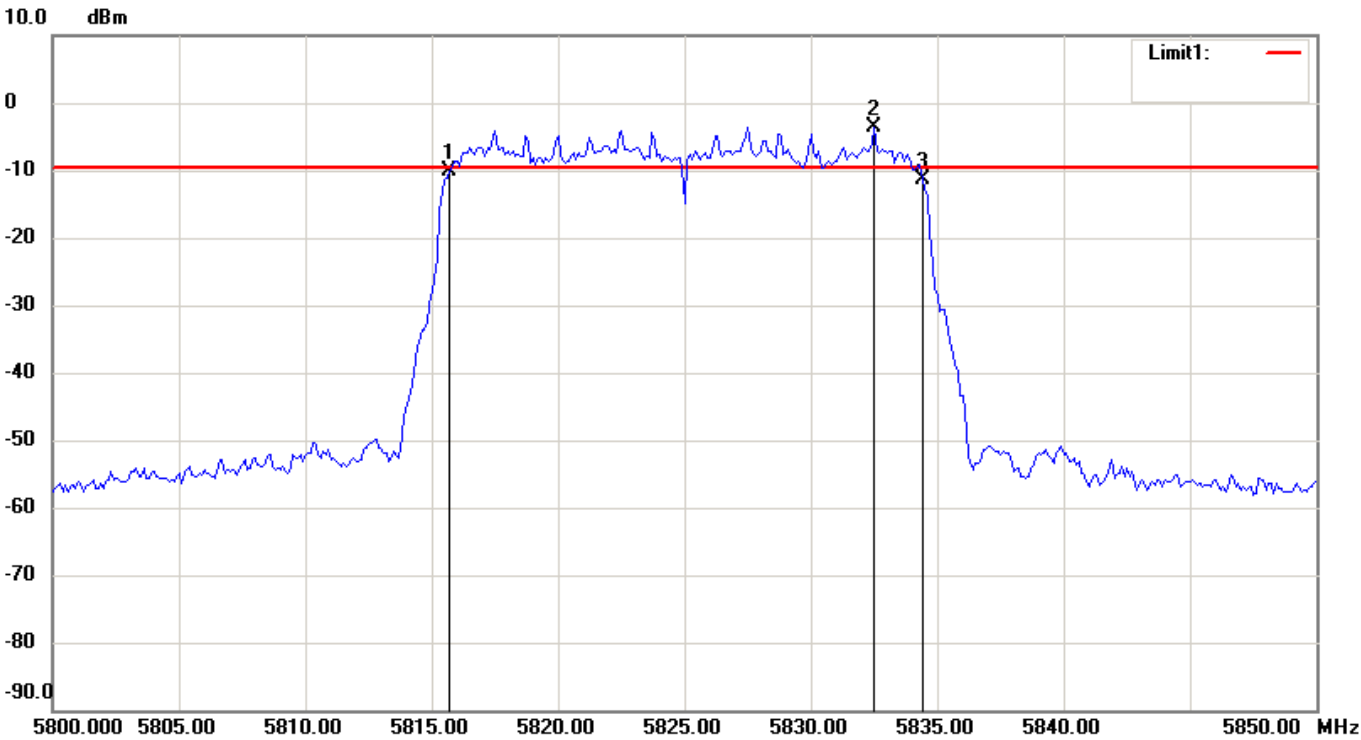
#17

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -9.52dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 165_-6dB MIN EBW

RF Conducted

Sweep Time: 1.08ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5815.70000	-10.12
2	5832.50000	-3.52
3	5834.40000	-11.46

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	18.7	-1.34

6.4.3 調變技術: IEEE 802.11ax (40MHz)

6.4.3.1 CHAIN 0

測試日期: Aug. 07, 2020 環境溫度: 24℃ 環境濕度: 55%

Channel	6dB Bndwidth (MHz)	NCC Limit (kHz)	Chart
L	37.8	500	Page 46
H	37.8	500	Page 47

註：繪圖資料請參考第 46-47 頁。

File: 20-07-MAS-052_5-8ax40_Ant1

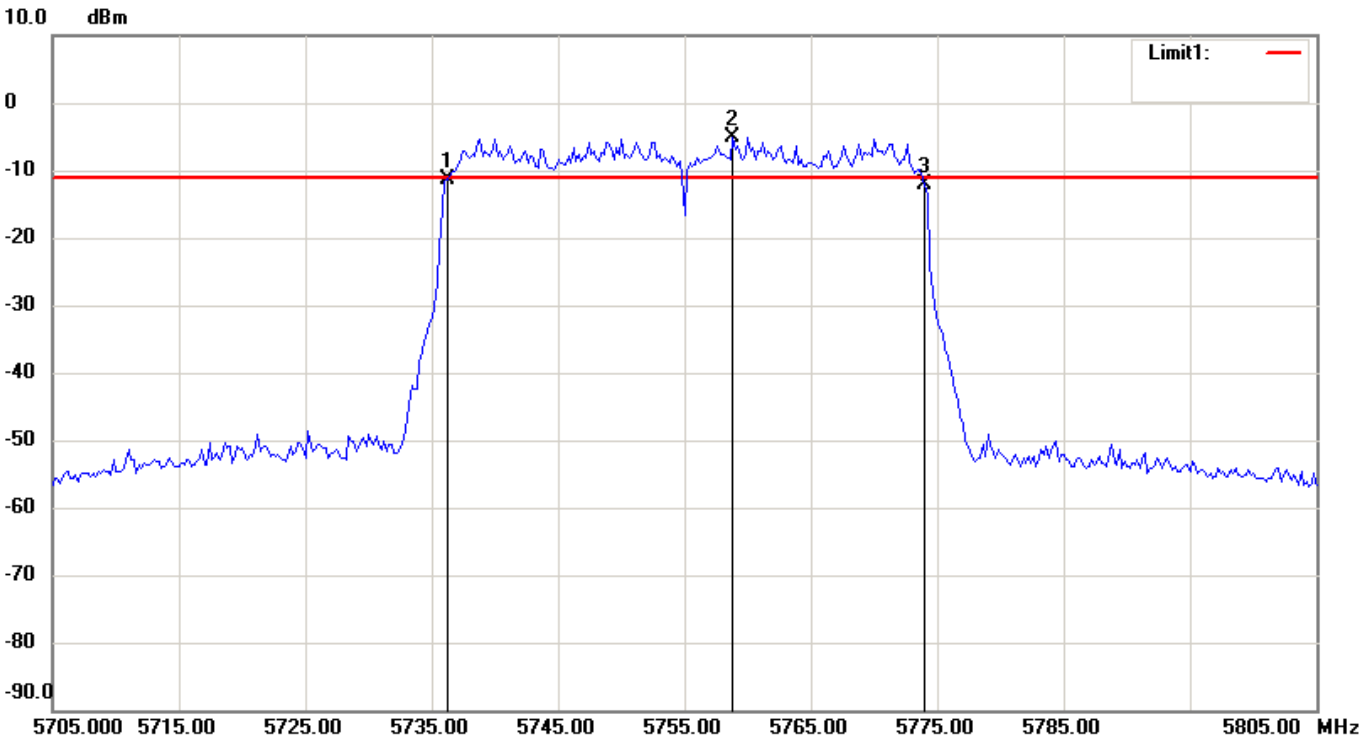
#2

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -11.24dBm

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 1ms Att.: 15dB

Model: CFI-1018A

RBW: 100 KHz VBW: 300 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax40 Channel 151_-6dB EBW

No.	Frequency(MHz)	Level(dBm)
1	5736.20000	-11.40
2	5758.80000	-5.24
3	5774.00000	-12.06

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	37.8	-0.66

File: 20-07-MAS-052_5-8ax40_Ant1

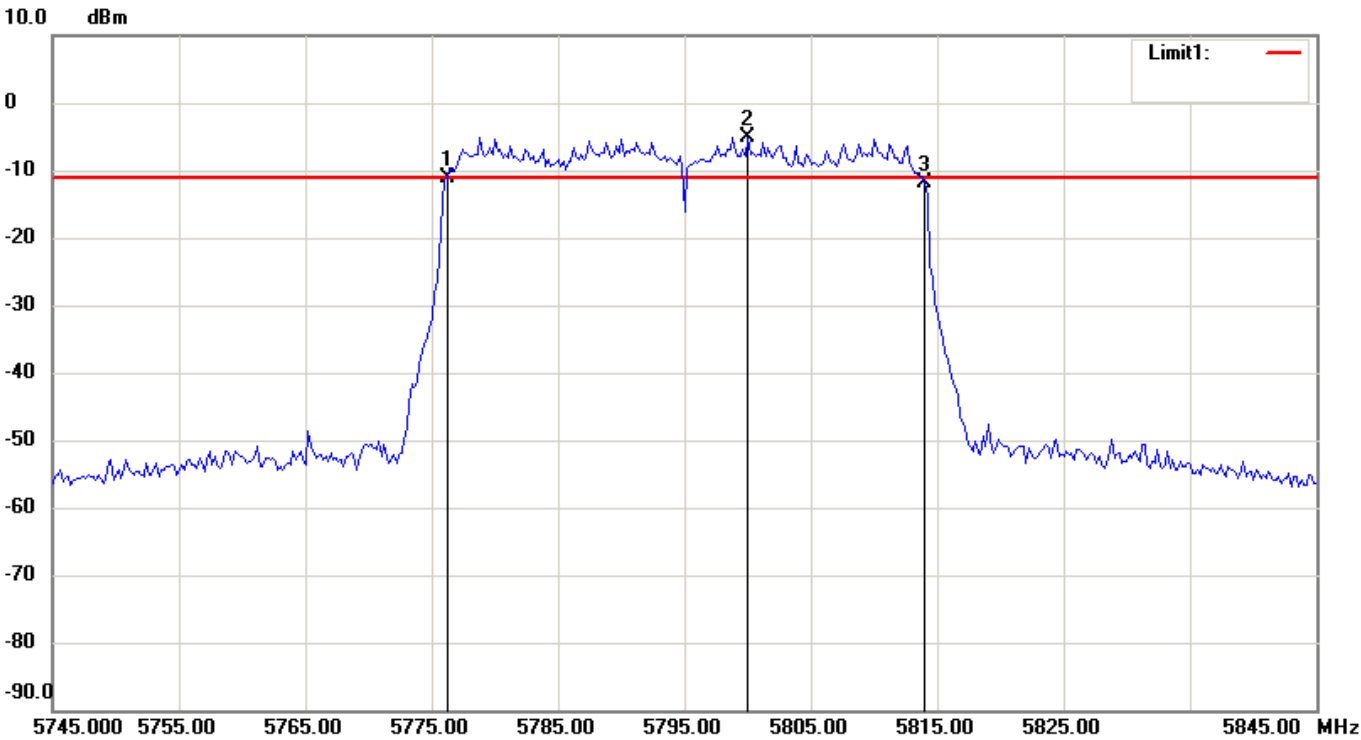
#10

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -11.12dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 159_-6dB EBW

RF Conducted

Sweep Time: 1ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5776.20000	-11.20
2	5800.00000	-5.12
3	5814.00000	-11.85

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	37.8	-0.65

6.4.3.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24℃ 環境濕度: 55%

Channel	6dB Bndwidth (MHz)	NCC Limit (kHz)	Chart
L	37.6	500	Page 49
H	37.2	500	Page 50

註：繪圖資料請參考第 49-50 頁。

File: 20-07-MAS-052_5-8ax40_Ant2

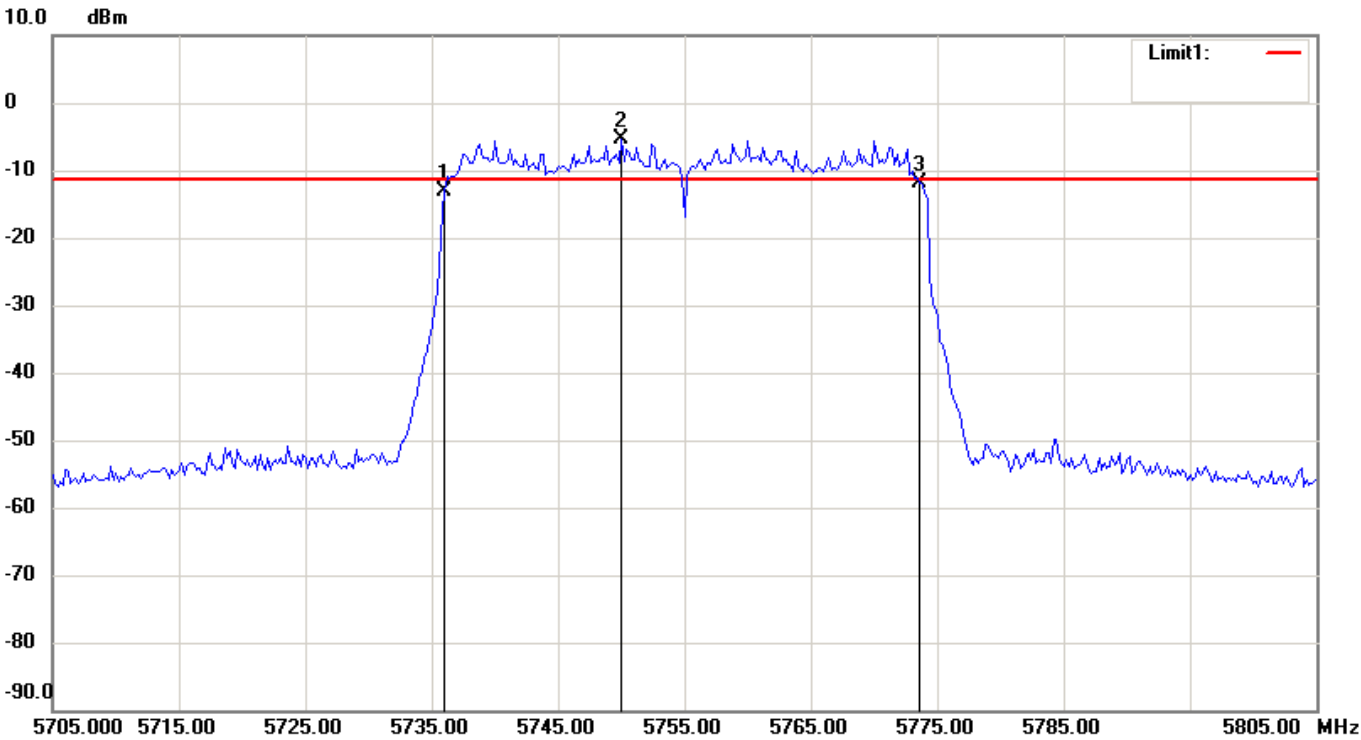
#2

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -11.41dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 151_-6dB EBW

RF Conducted

Sweep Time: 1ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5736.00000	-13.05
2	5750.00000	-5.41
3	5773.60000	-11.99

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	37.6	1.06

File: 20-07-MAS-052_5-8ax40_Ant2

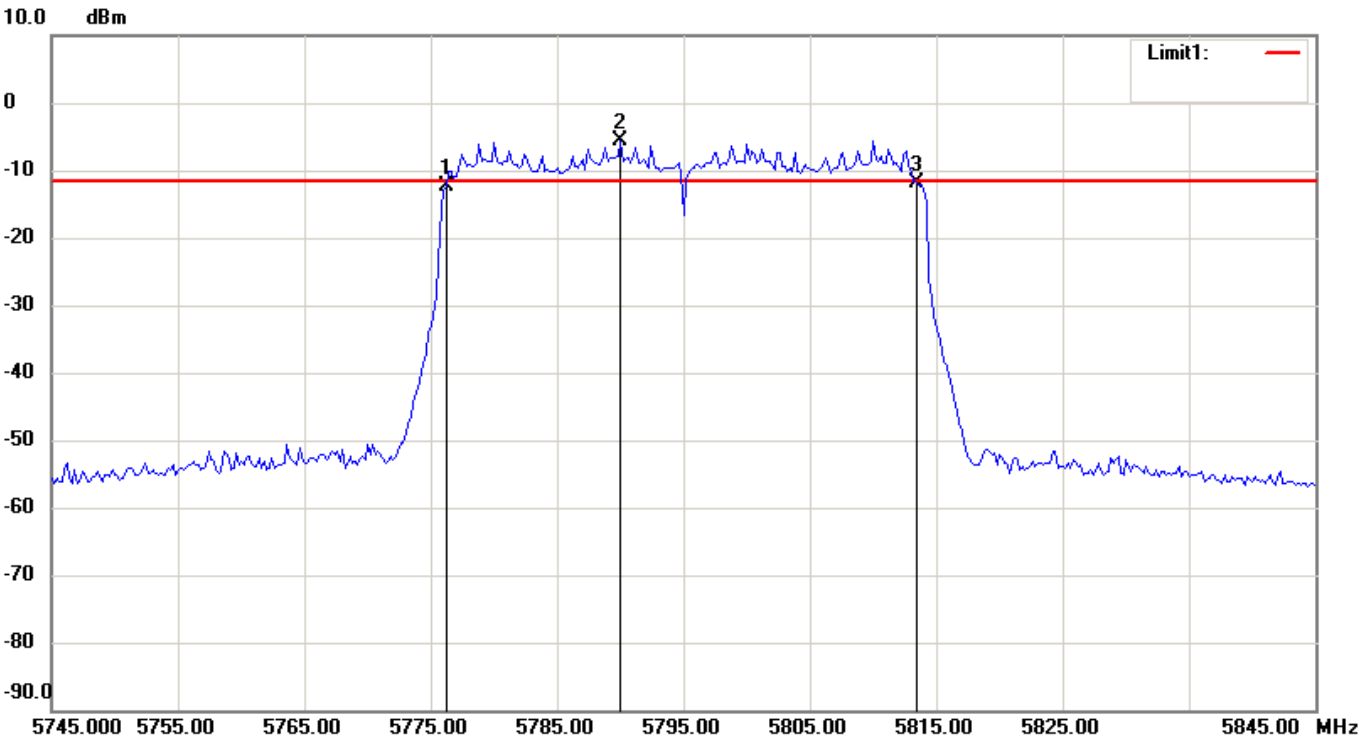
#10

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -11.65dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 159_-6dB EBW

RF Conducted

Sweep Time: 1ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5776.20000	-12.30
2	5790.00000	-5.65
3	5813.40000	-11.83

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	37.2	0.47

6.4.4 調變技術:IEEE 802.11ax (80MHz)

6.4.4.1 CHAIN 0

測試日期: Aug. 07, 2020 環境溫度: 24℃ 環境濕度: 55%

Channel	6dB Bndwidth (MHz)	NCC Limit (kHz)	Chart
L	79.2	500	Page 52

註：繪圖資料請參考第 52 頁。

File: 20-07-MAS-052_5-8ax80_Ant1

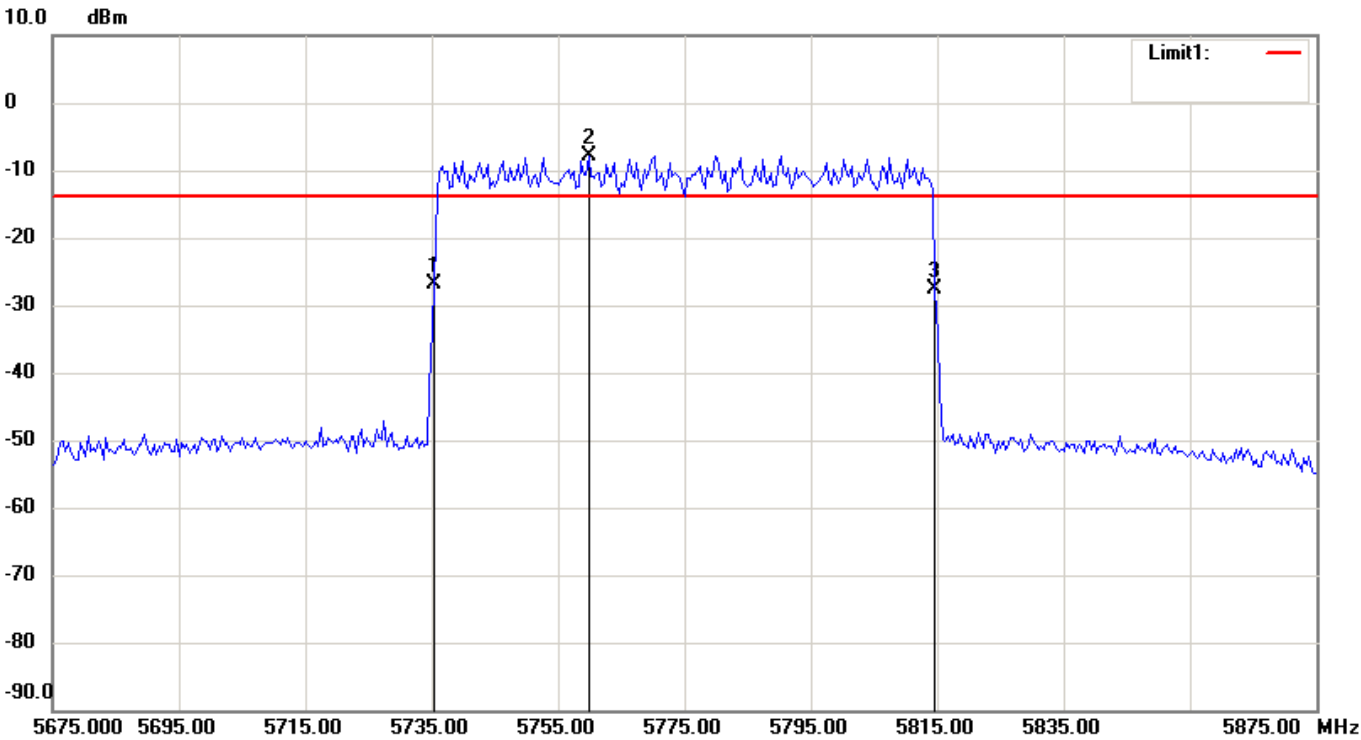
#2

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -13.89dBm

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 2ms Att.: 15dB

Model: CFI-1018A

RBW: 100 KHz VBW: 300 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax80 Channel 155_-6dB EBW

No.	Frequency(MHz)	Level(dBm)
1	5735.40000	-26.89
2	5759.80000	-7.89
3	5814.60000	-27.70

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	79.2	-0.81

6.4.4.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24℃ 環境濕度: 55%

Channel	6dB Bndwidth (MHz)	NCC Limit (kHz)	Chart
L	78.8	500	Page 54

註：繪圖資料請參考第 54 頁。

6.5 結果判定

高、中、低頻段的 6dB 頻寬皆大於 500KHz。

File: 20-07-MAS-052_5-8ax80_Ant2

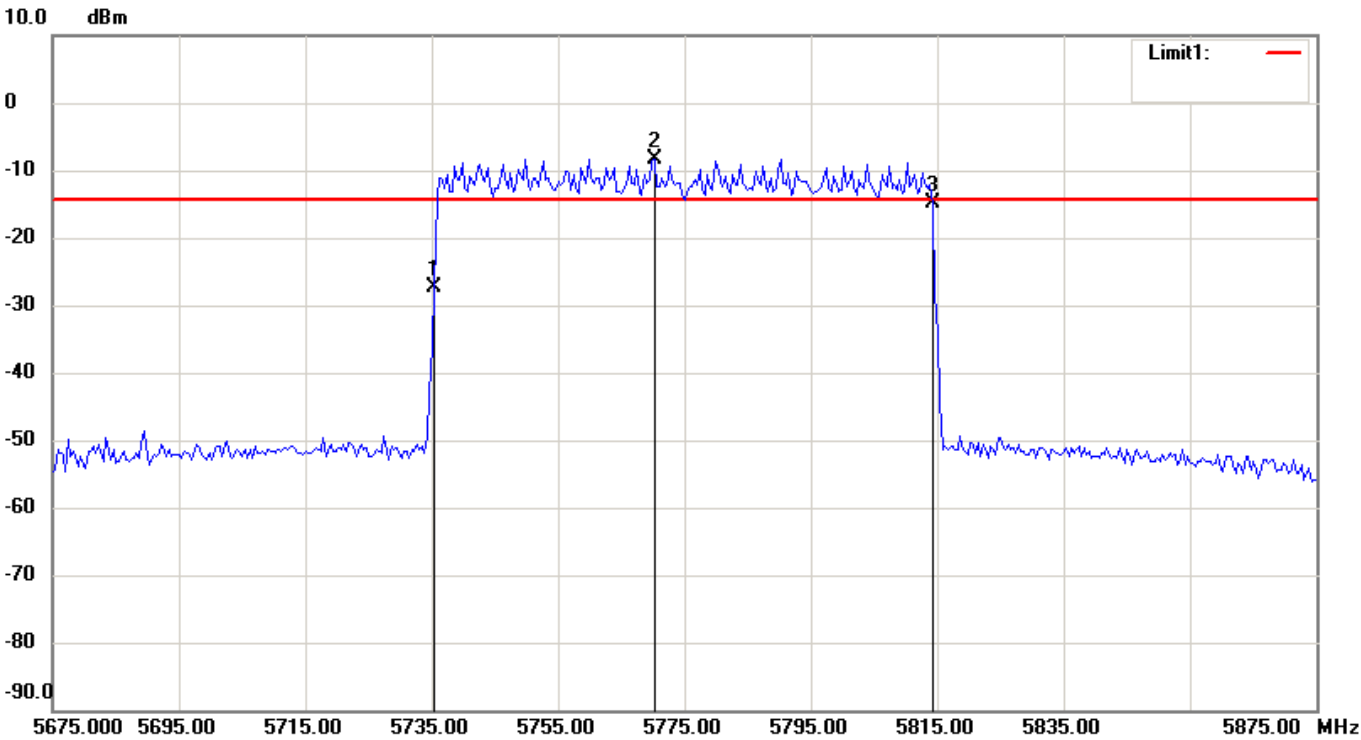
#2

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: -14.26dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 155_-6dB EBW

RF Conducted

Sweep Time: 2ms

RBW: 100 KHz

Operator:

Att.: 15dB

VBW: 300 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5735.40000	-27.34
2	5770.20000	-8.26
3	5814.20000	-14.77

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	78.8	12.57

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4.7.3.3節之規定，操作於5.725~5850GHz之頻段，最大傳導輸出功率應小於或等於1 W。

操作於5725-5850兆赫(MHz)者，依法規4.7.3.3(3)供固定式點對點操作時，使用方向增益超過6 dBi 之發射天線，可不需對應減少發射器之傳導輸出功率限制值。

依法規4.7.3.3 (4) 除(3)外，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

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	WEINSCHTEL	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: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 5 dBi, NCC Limit 如下表所示:

Channel	Maximum Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.05	30	Page 57
M	7.95	30	Page 58
H	7.87	30	Page 59

註: 1. 繪圖資料請參考第 57-59 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8a_Ant1

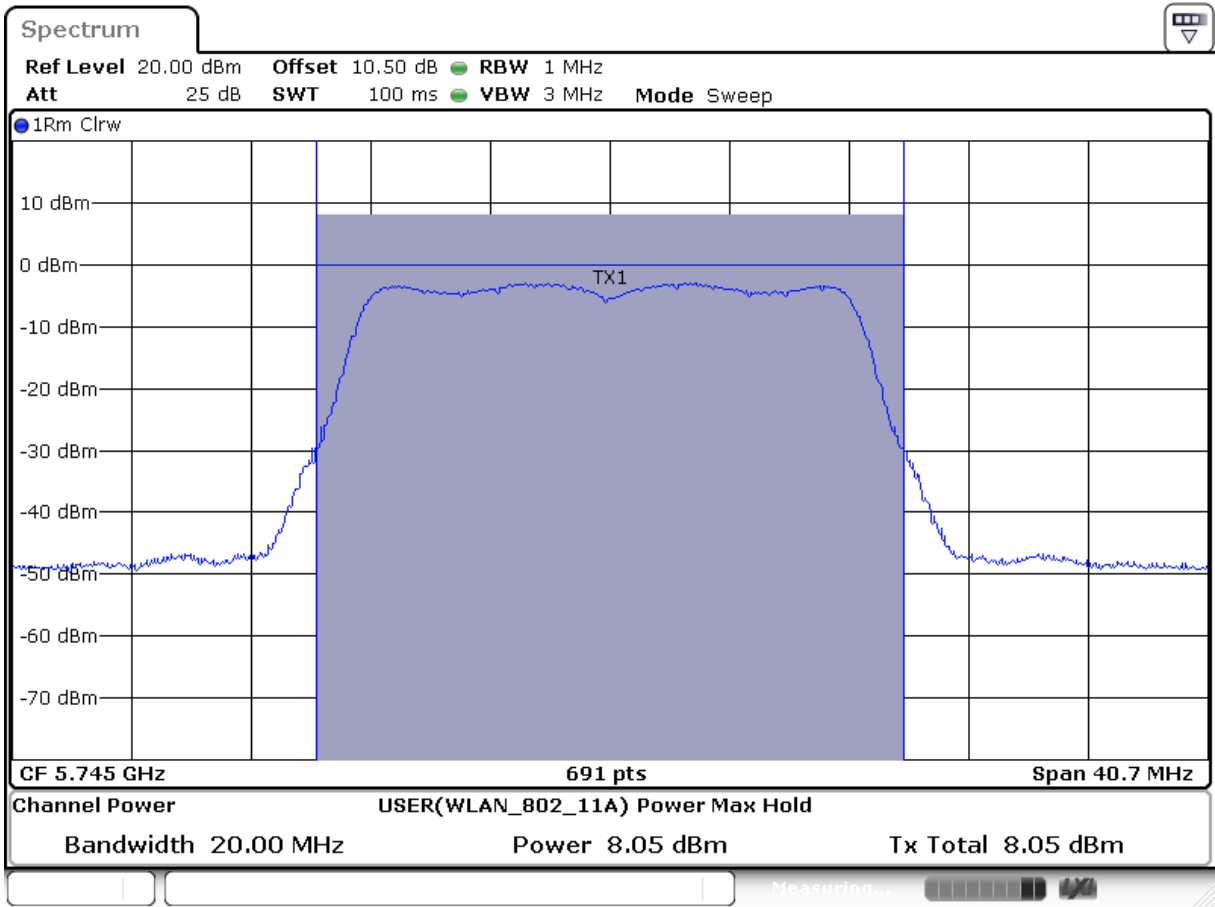
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8a_Ant1

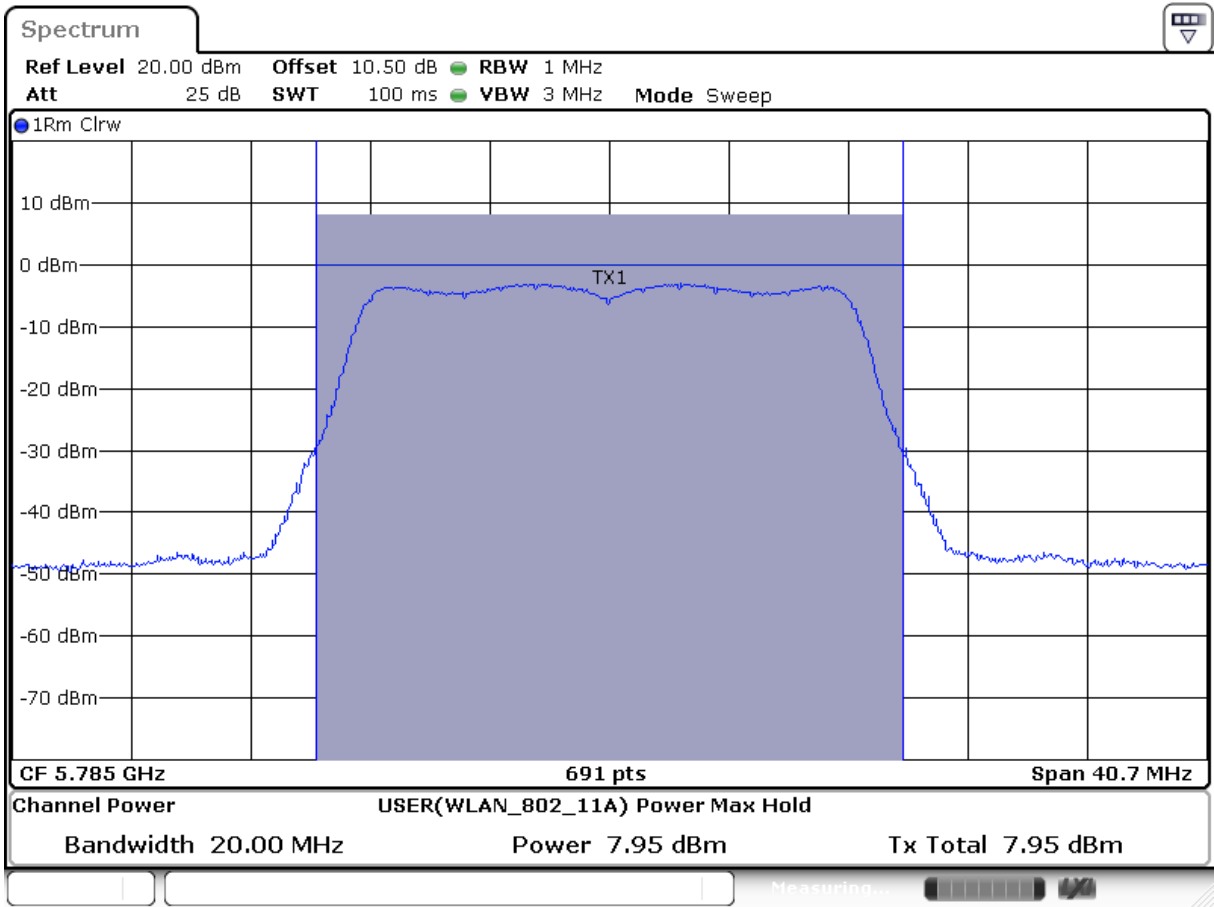
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 157_Output power		

File: 20-07-MAS-052_5-8a_Ant1

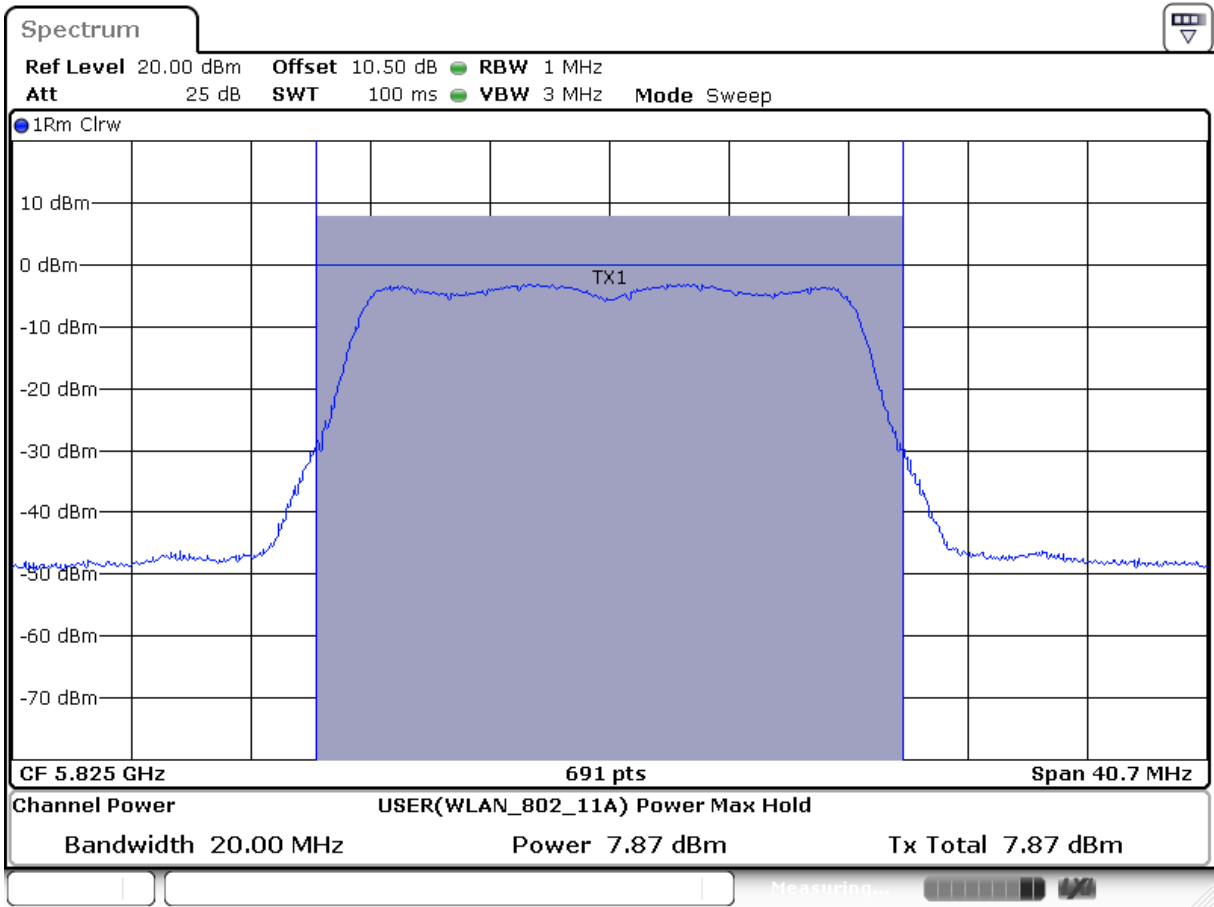
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 165_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

7.4.1.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.83	30	Page 61
M	7.59	30	Page 62
H	7.20	30	Page 63

註：1. 繪圖資料請參考第 61-63 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8a_Ant2

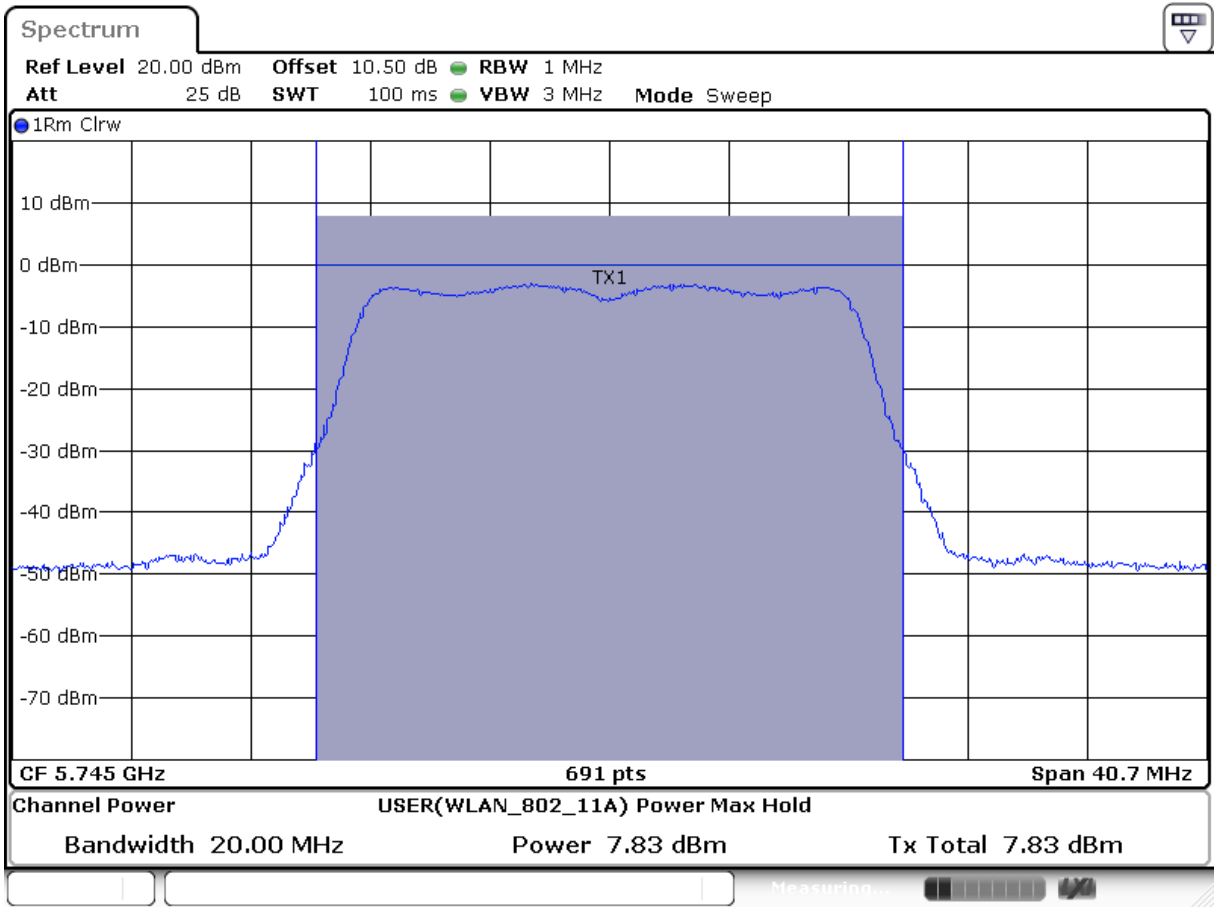
Site: RF-Cond01

#1

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8a_Ant2

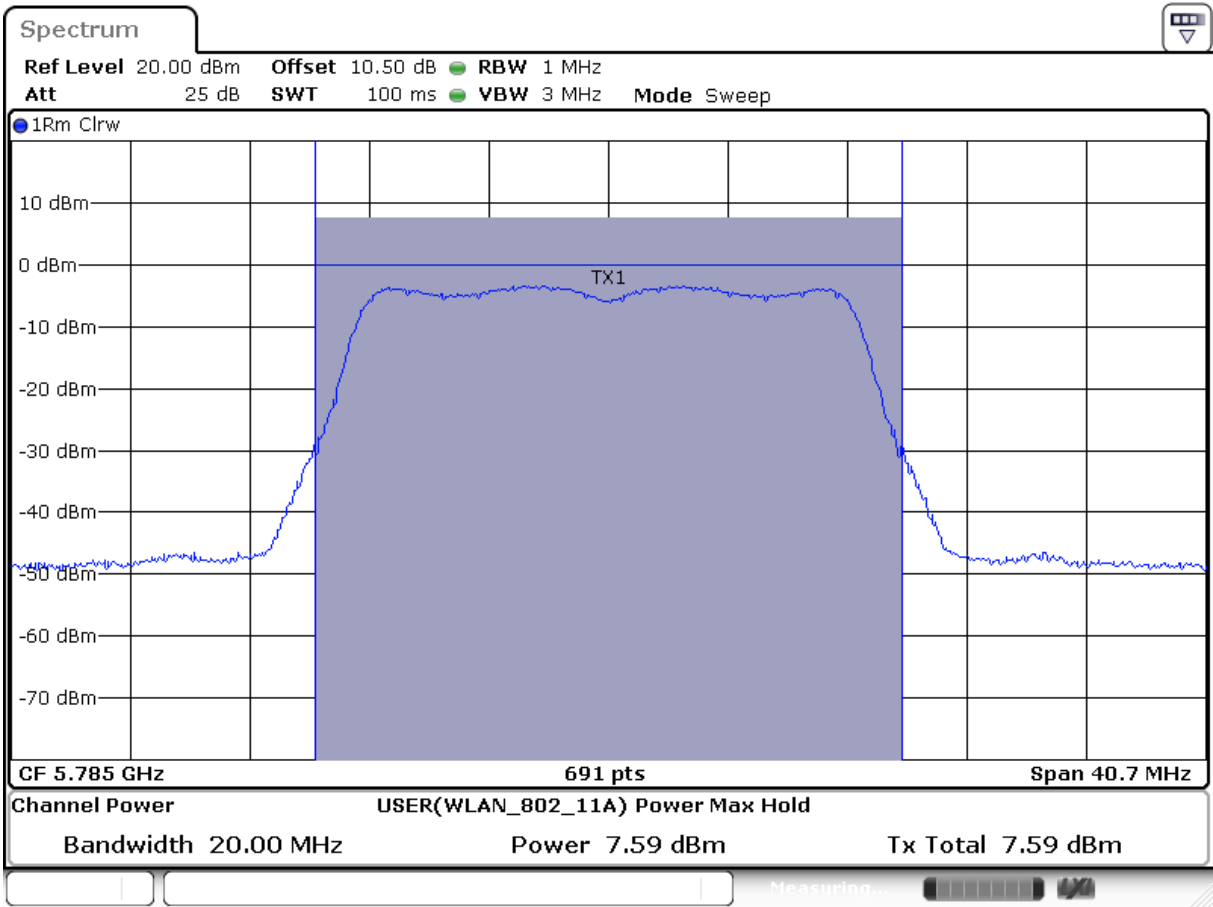
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 157_Output power		

File: 20-07-MAS-052_5-8a_Ant2

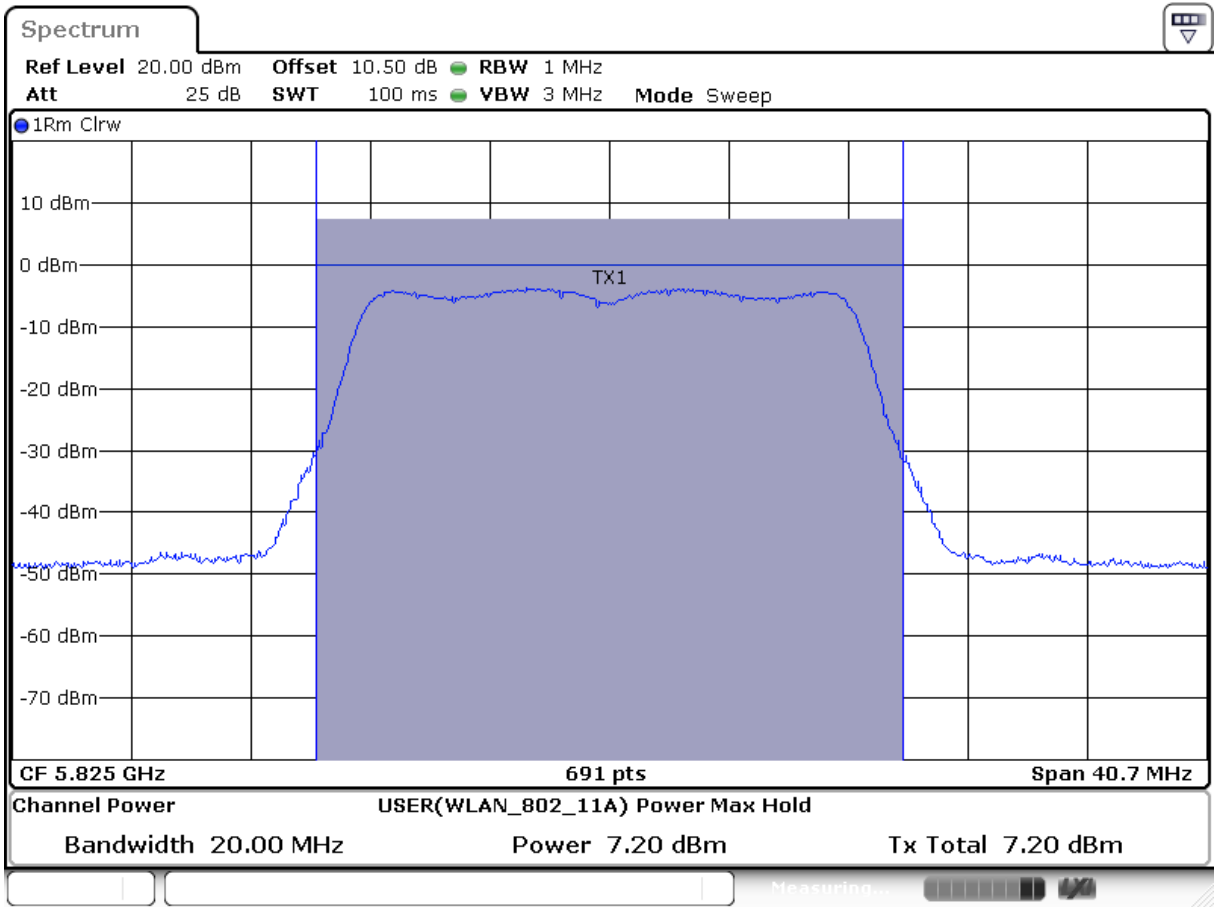
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 165_Output power		

7.4.2 調變技術: IEEE 802.11n HT20

7.4.2.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 5 dBi, NCC Limit 如下表所示:

Channel	Maximum Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.07	30	Page 65
M	8.12	30	Page 66
H	7.96	30	Page 67

註: 1. 繪圖資料請參考第 65-67 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8n20_Ant1

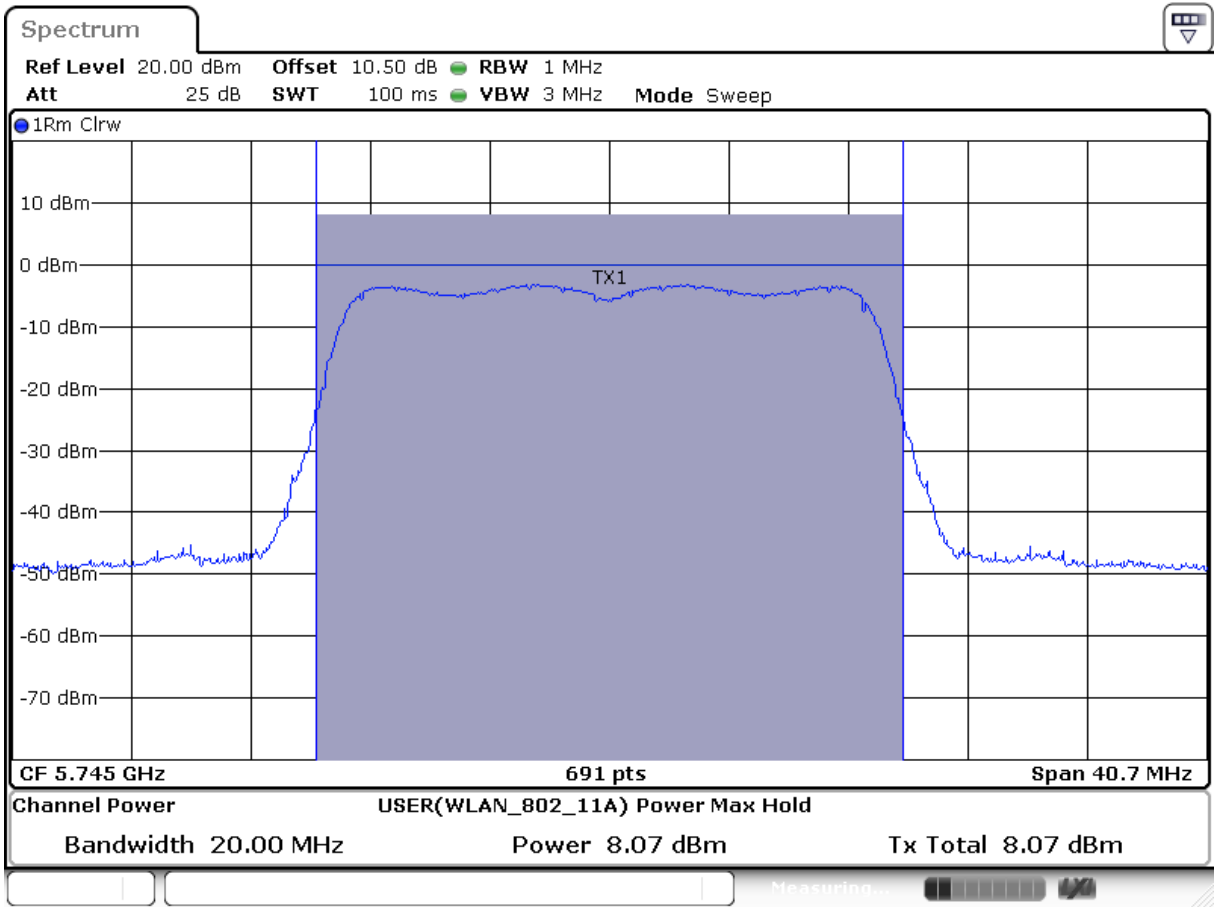
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8n20_Ant1

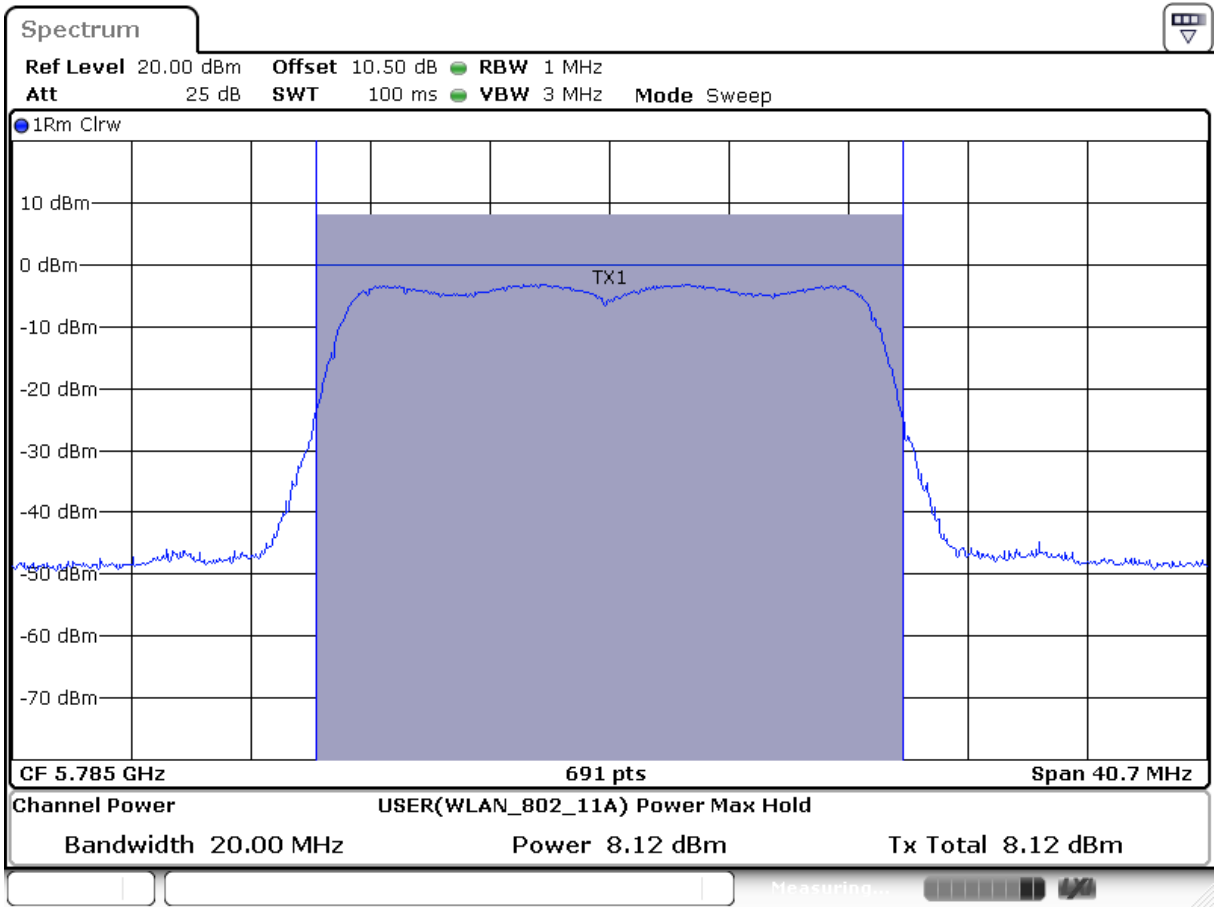
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 157_Output power		

File: 20-07-MAS-052_5-8n20_Ant1

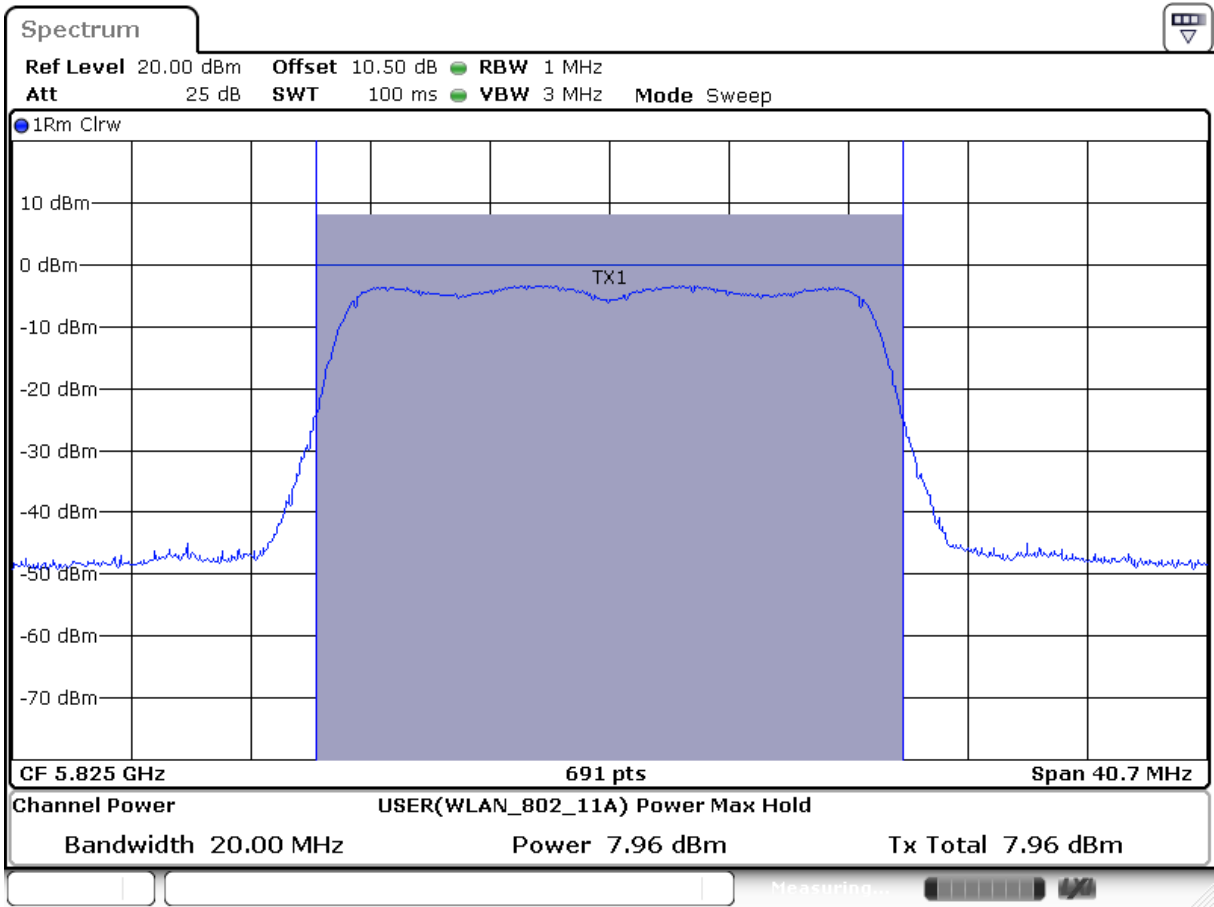
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 165_Output power		

7.4.2.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.83	30	Page 69
M	7.55	30	Page 70
H	7.23	30	Page 71

註：1. 繪圖資料請參考第 69-71 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8n20_Ant2

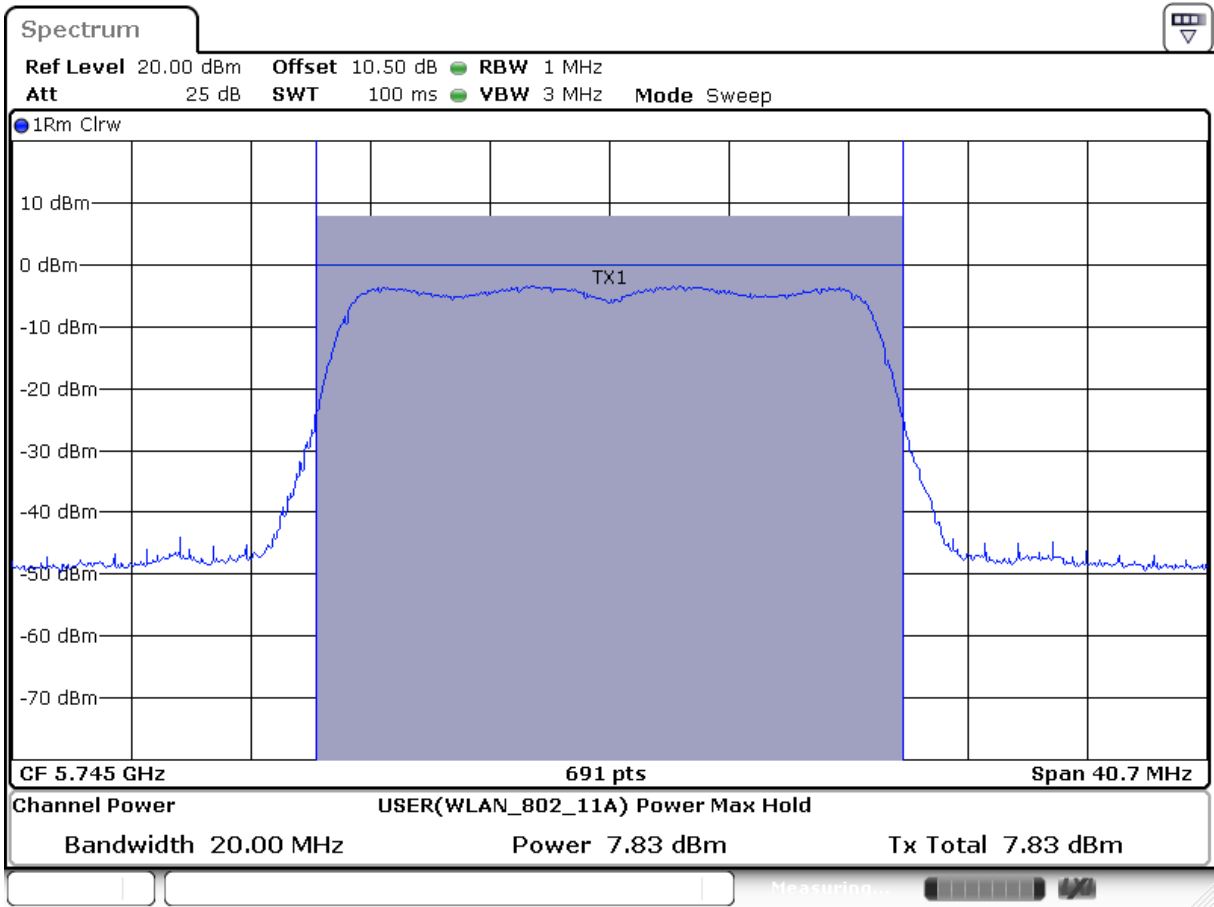
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8n20_Ant2

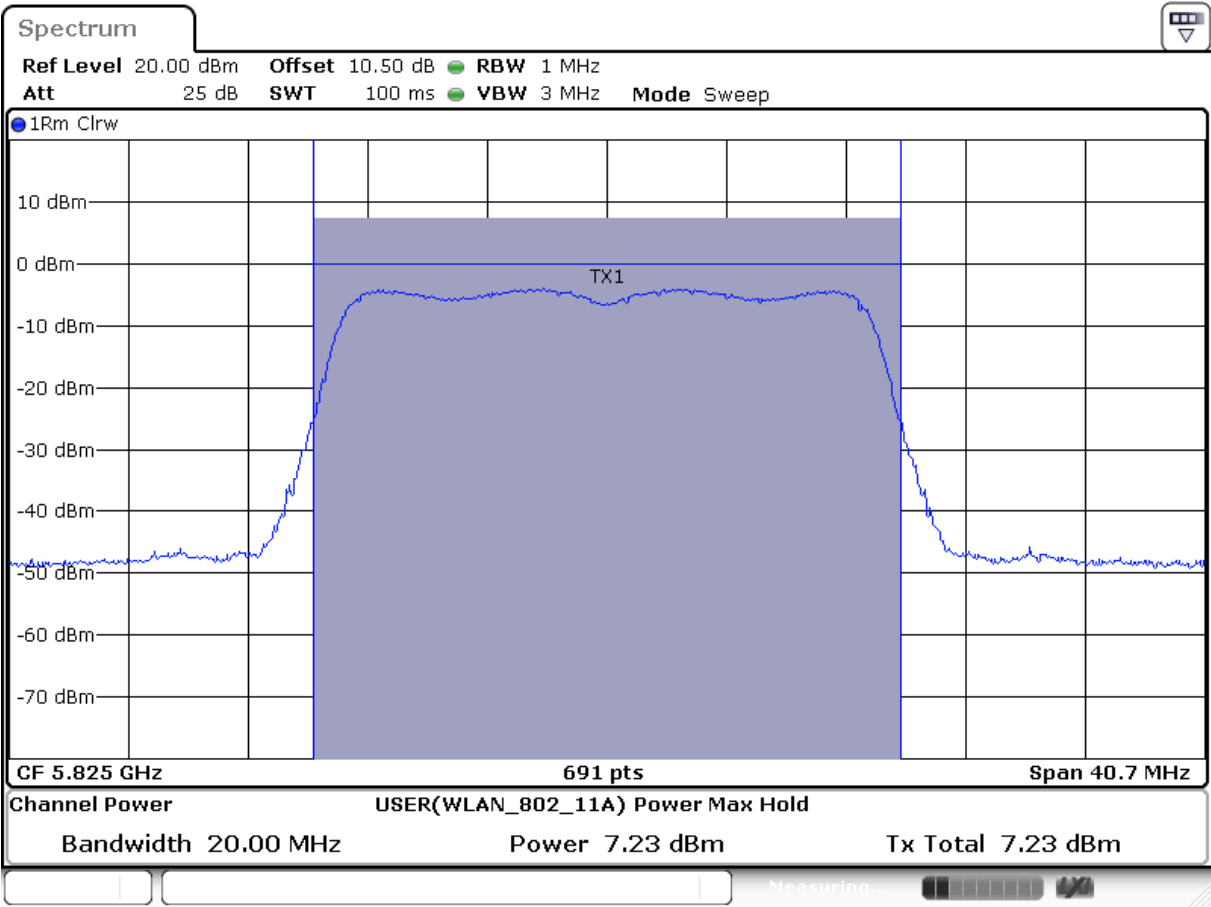
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 165_Output power		

7.4.2.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.07	7.83	10.96	28.71
M	8.12	7.55	10.85	28.71
H	7.96	7.23	10.62	28.71

註:

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
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: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Maximum Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.32	30	Page 74
H	8.35	30	Page 75

註：1. 繪圖資料請參考第 74-75 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8n40_Ant1

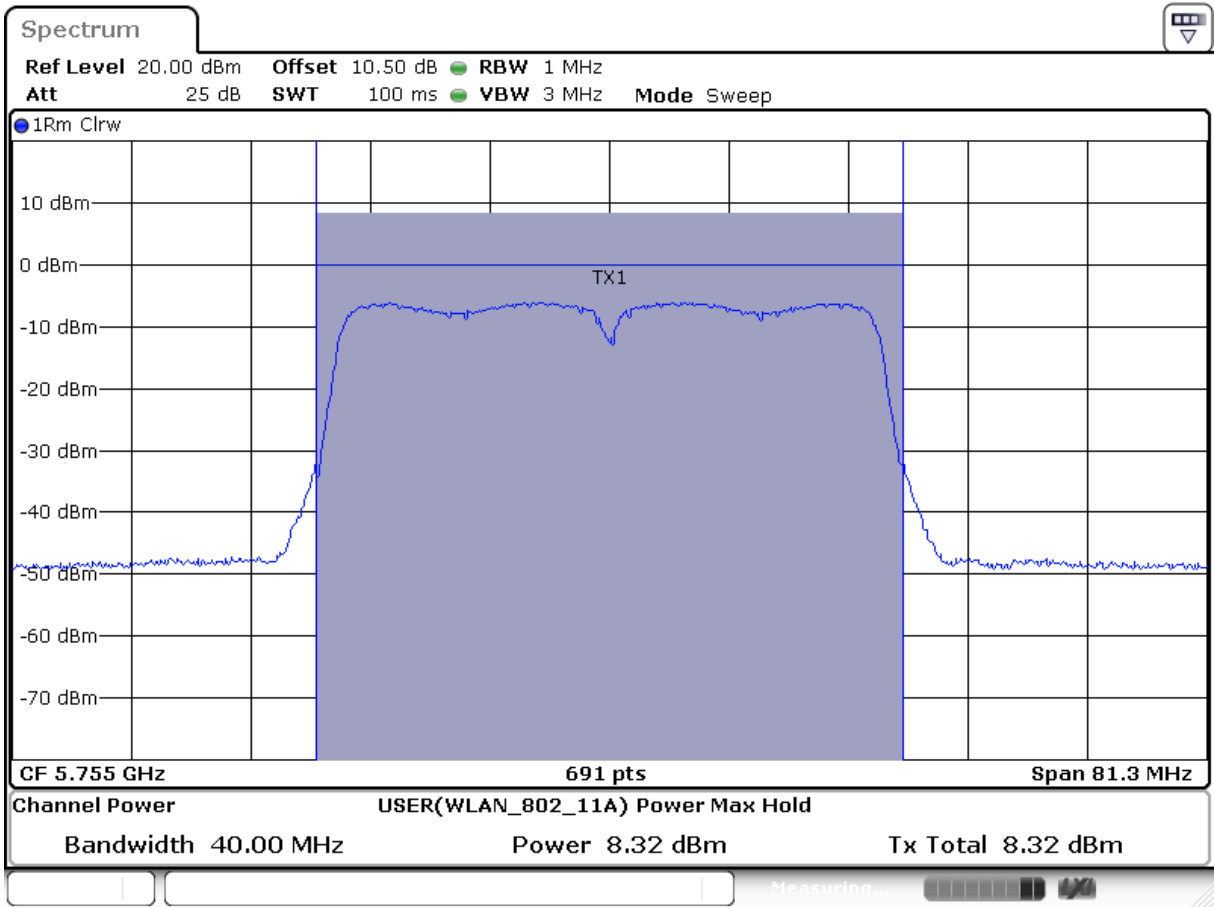
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 151_Output power		

File: 20-07-MAS-052_5-8n40_Ant1

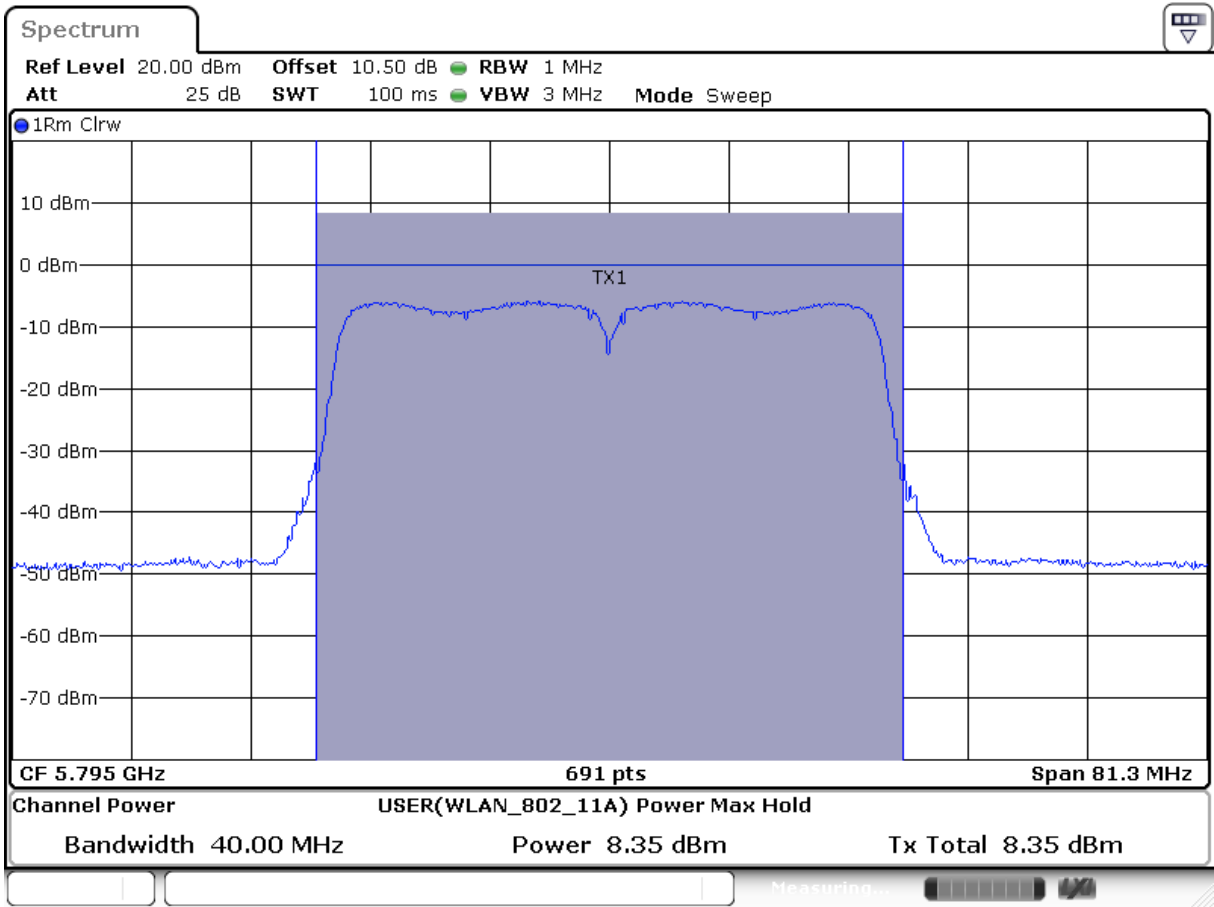
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 159_Output power		

7.4.3.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.80	30	Page 77
H	7.51	30	Page 78

註：1. 繪圖資料請參考第 77-78 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8n40_Ant2

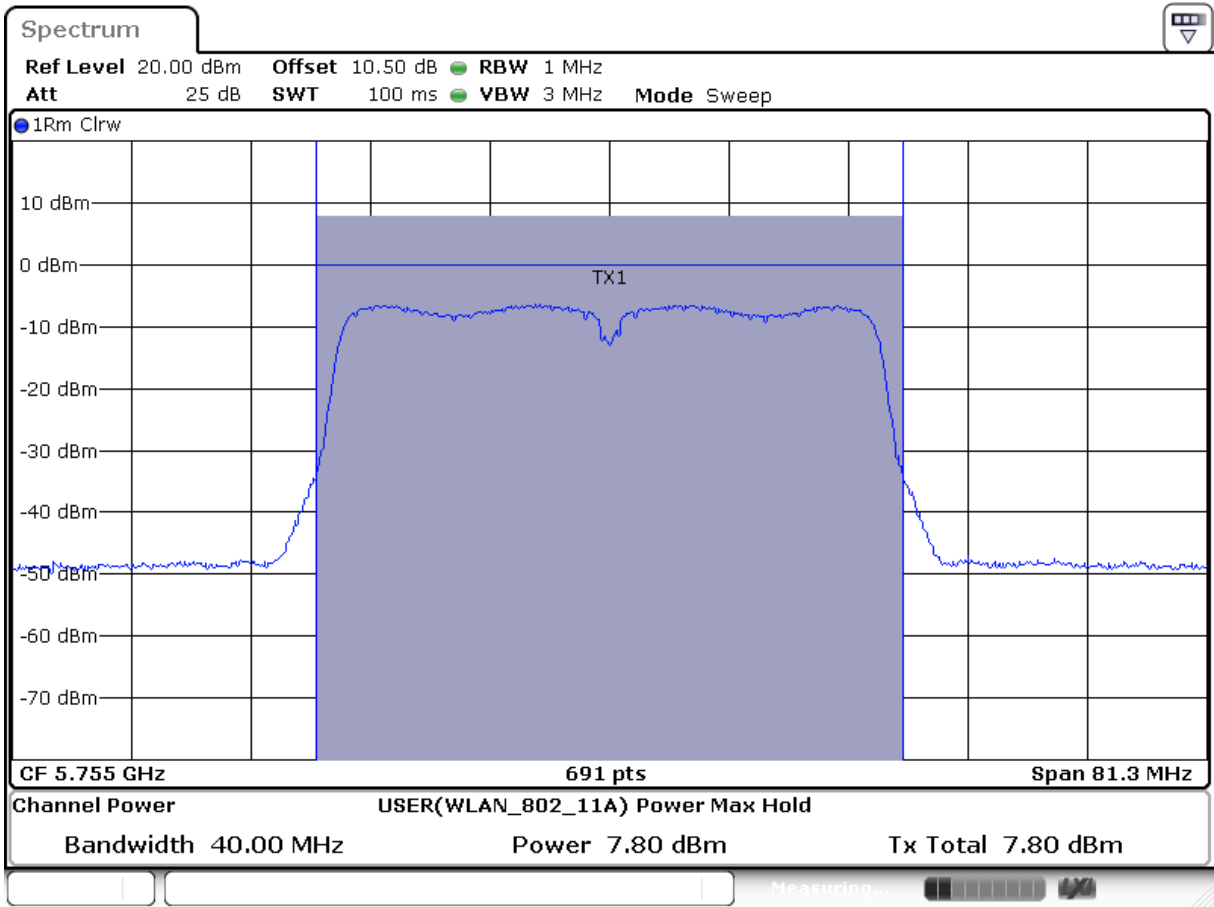
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 151_Output power		

File: 20-07-MAS-052_5-8n40_Ant2

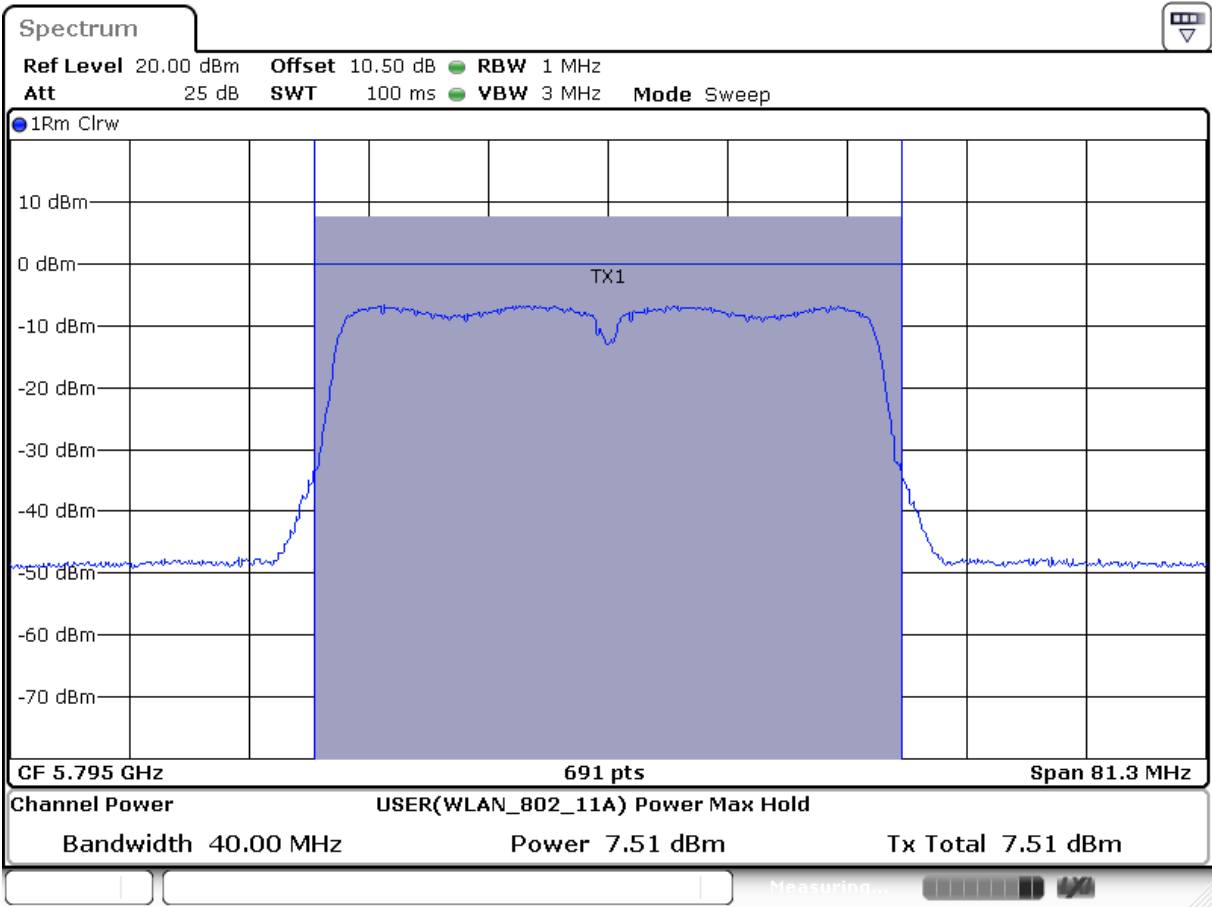
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 159_Output power		

7.4.3.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.32	7.80	11.08	28.71
H	8.35	7.51	10.96	28.71

註:

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
5. 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 VHT20

7.4.4.1 CHAIN 0

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 5 dBi, NCC Limit 如下表所示:

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.08	30	Page 81
M	8.15	30	Page 82
H	7.97	30	Page 83

註: 1. 繪圖資料請參考第 81-83 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ac20_Ant1

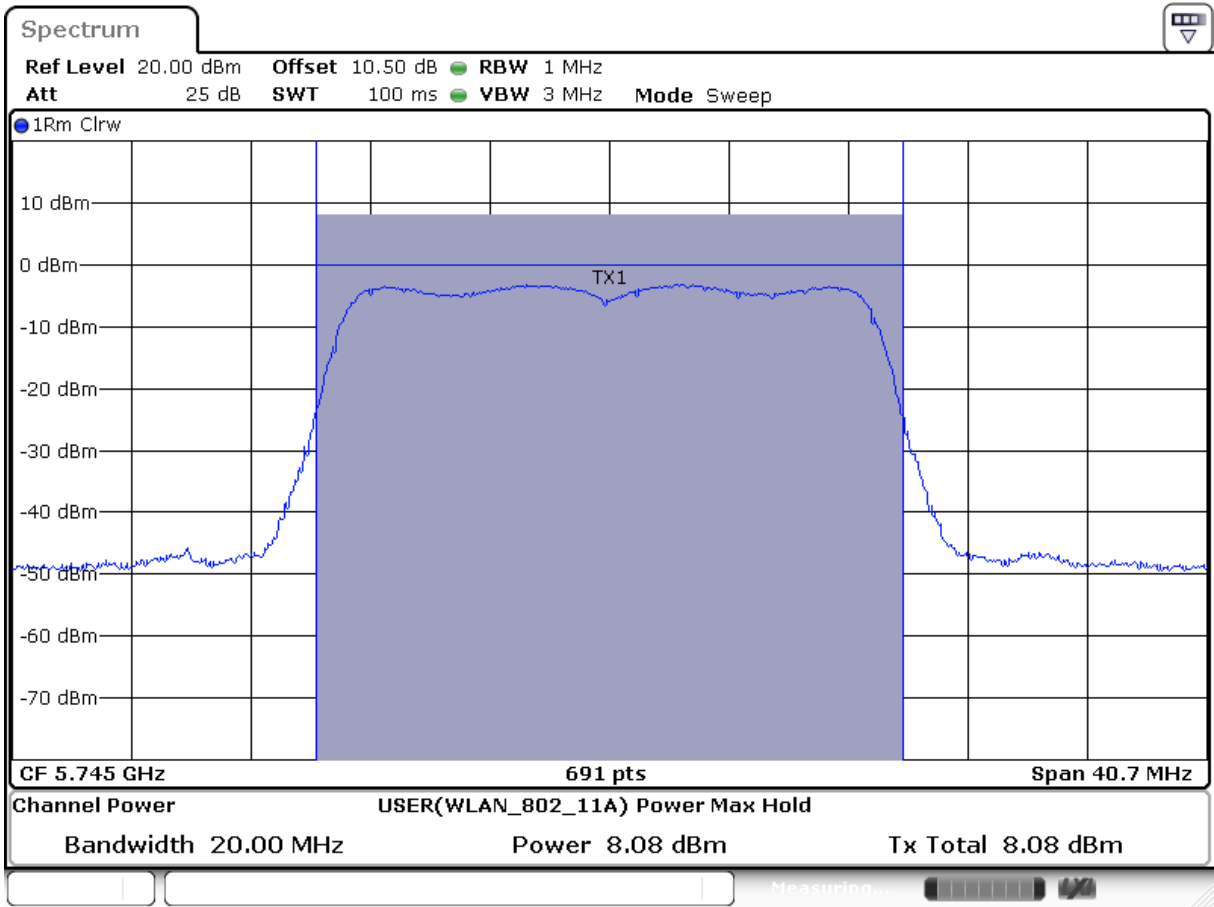
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8ac20_Ant1

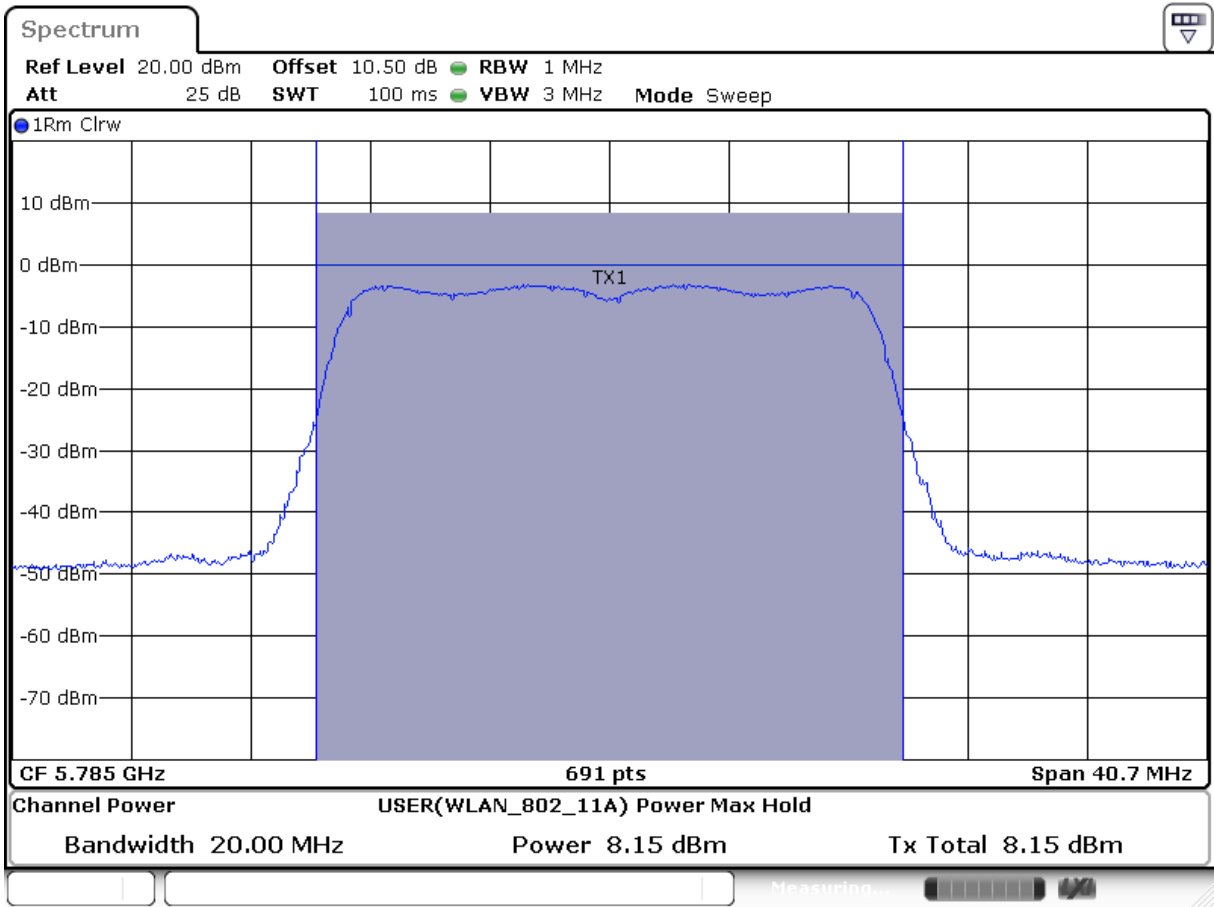
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ac20_Channel 157_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

File: 20-07-MAS-052_5-8ac20_Ant1

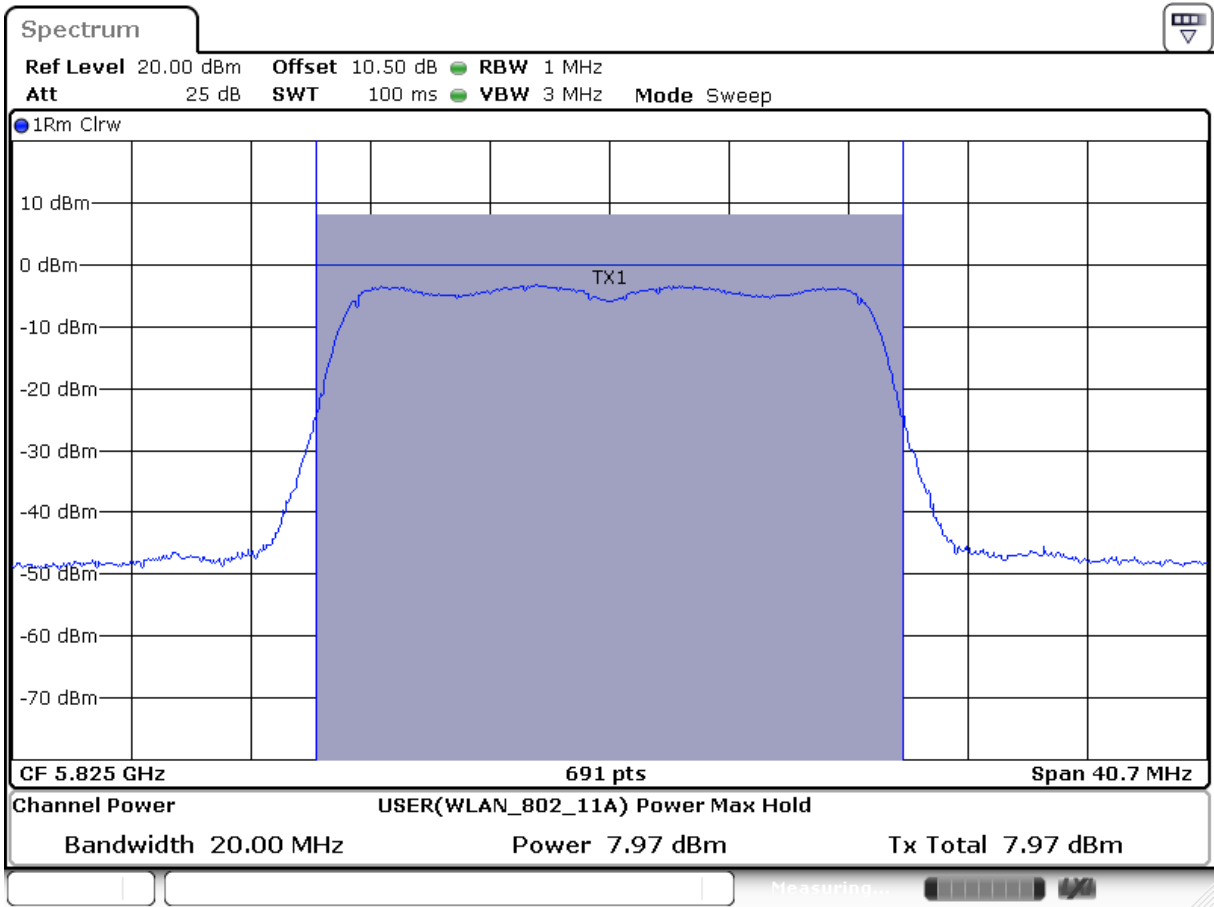
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 165_Output power		

7.4.4.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.84	30	Page 85
M	7.56	30	Page 86
H	7.24	30	Page 87

註：1. 繪圖資料請參考第 85-87 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ac20_Ant2

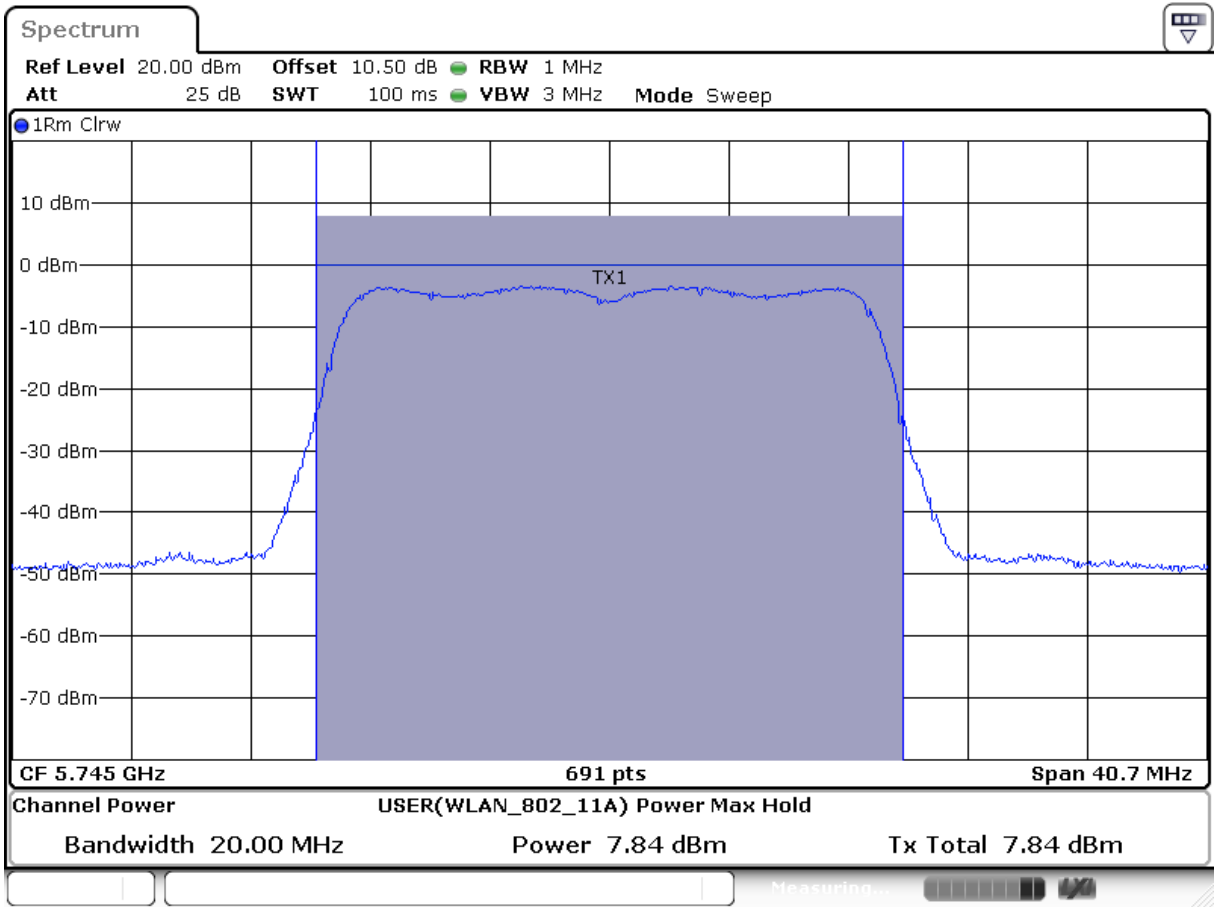
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8ac20_Ant2

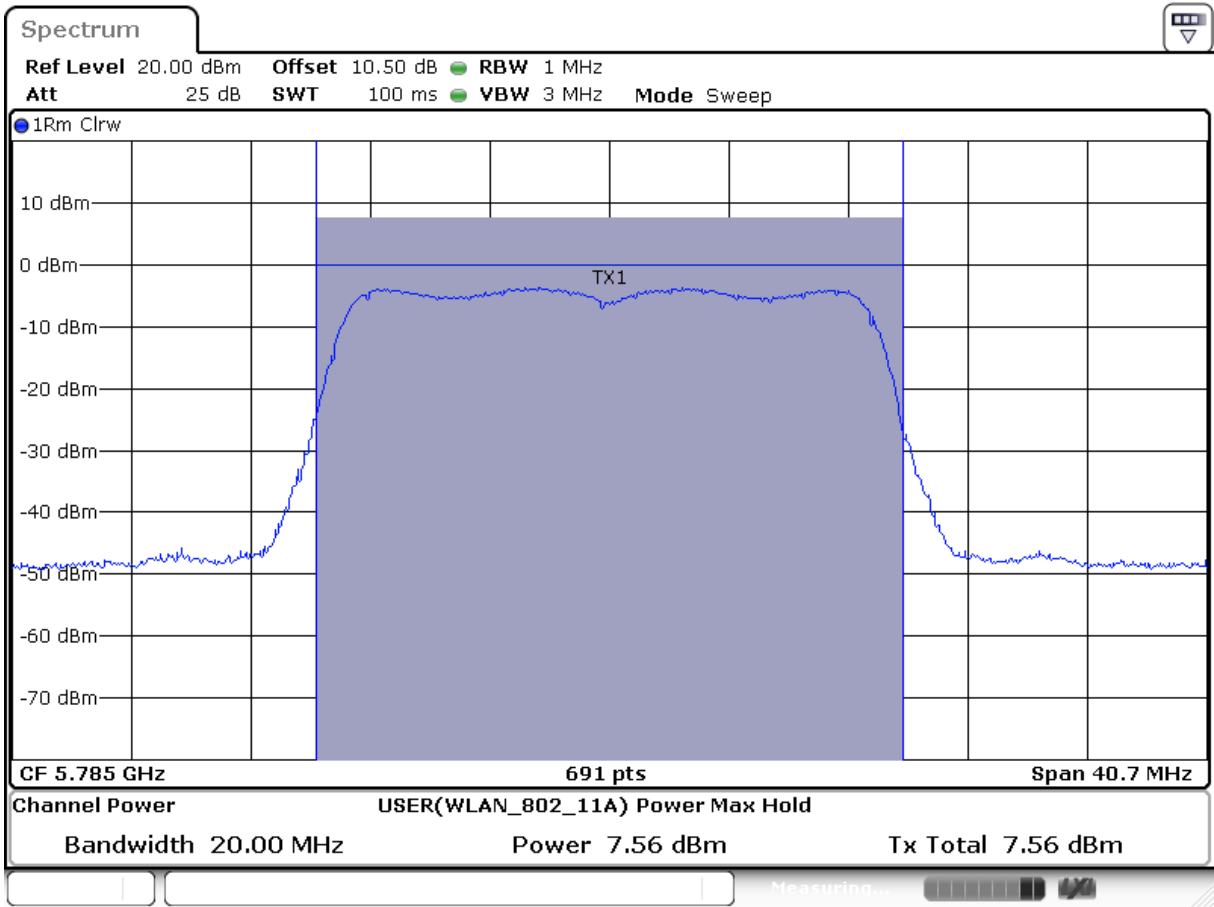
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ac20_Channel 157_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

File: 20-07-MAS-052_5-8ac20_Ant2

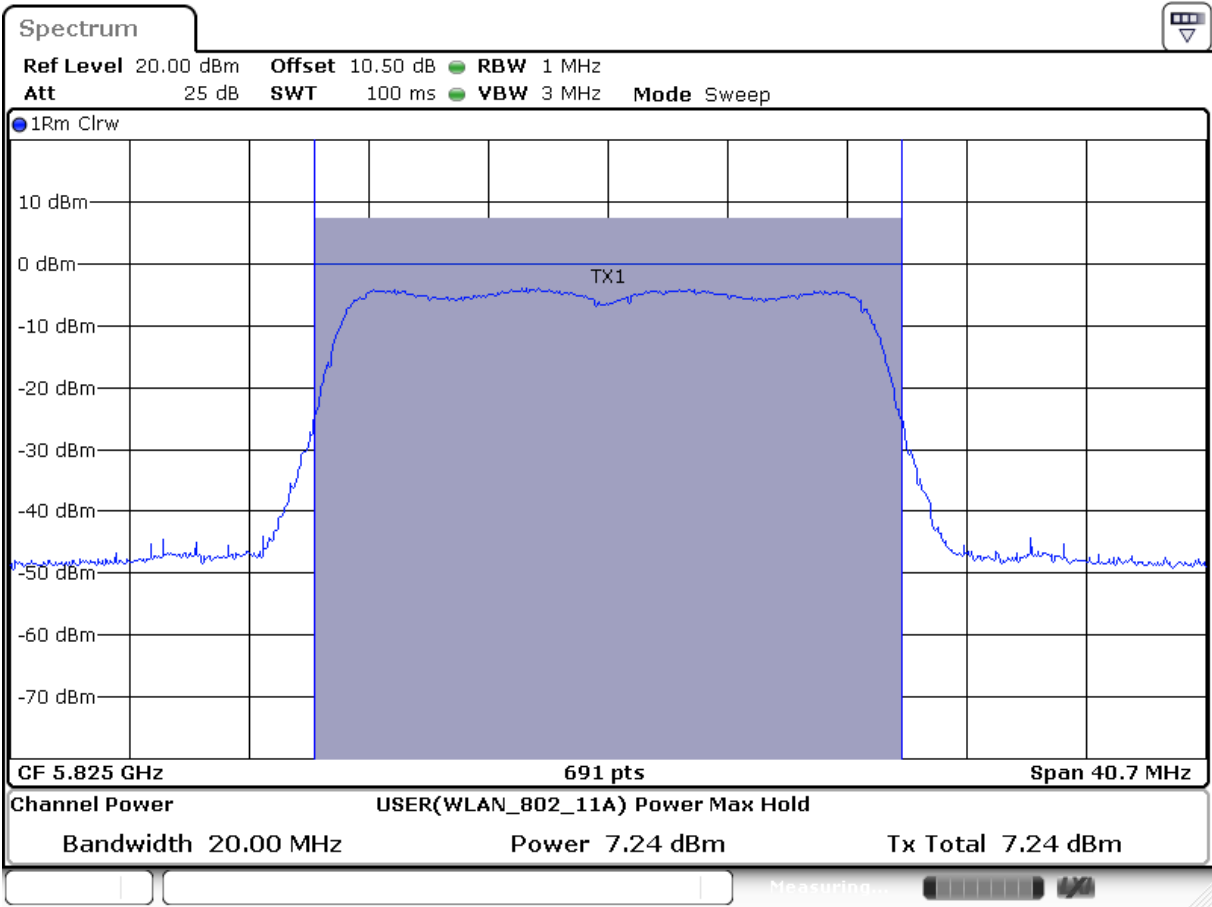
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 165_Output power		

7.4.4.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.08	7.84	10.97	28.71
M	8.15	7.56	10.88	28.71
H	7.97	7.24	10.63	28.71

註:

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
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 VHT40

7.4.5.1 CHAIN 0

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.43	30	Page 90
H	8.37	30	Page 91

註：1. 繪圖資料請參考第 90-91 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ac40_Ant1

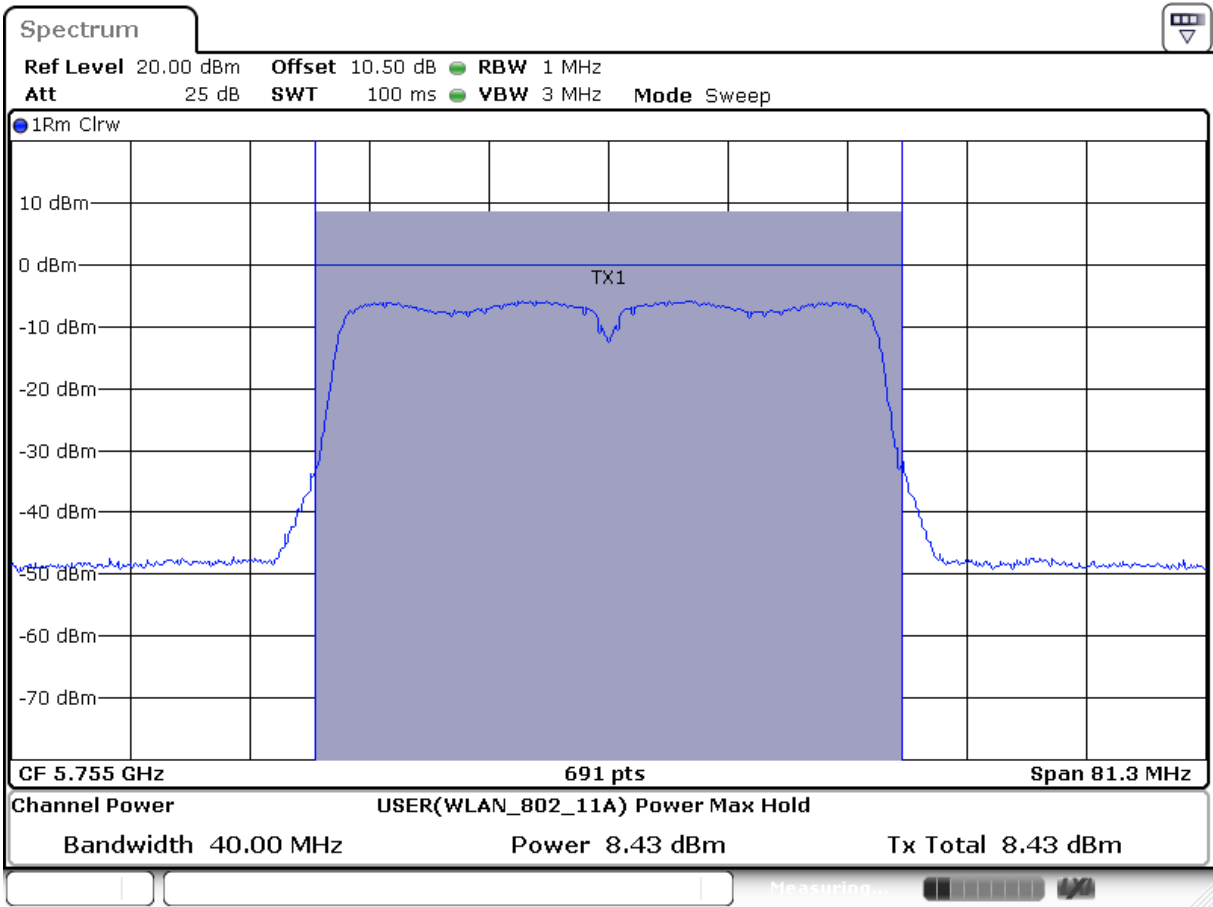
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 151_Output power		

File: 20-07-MAS-052_5-8ac40_Ant1

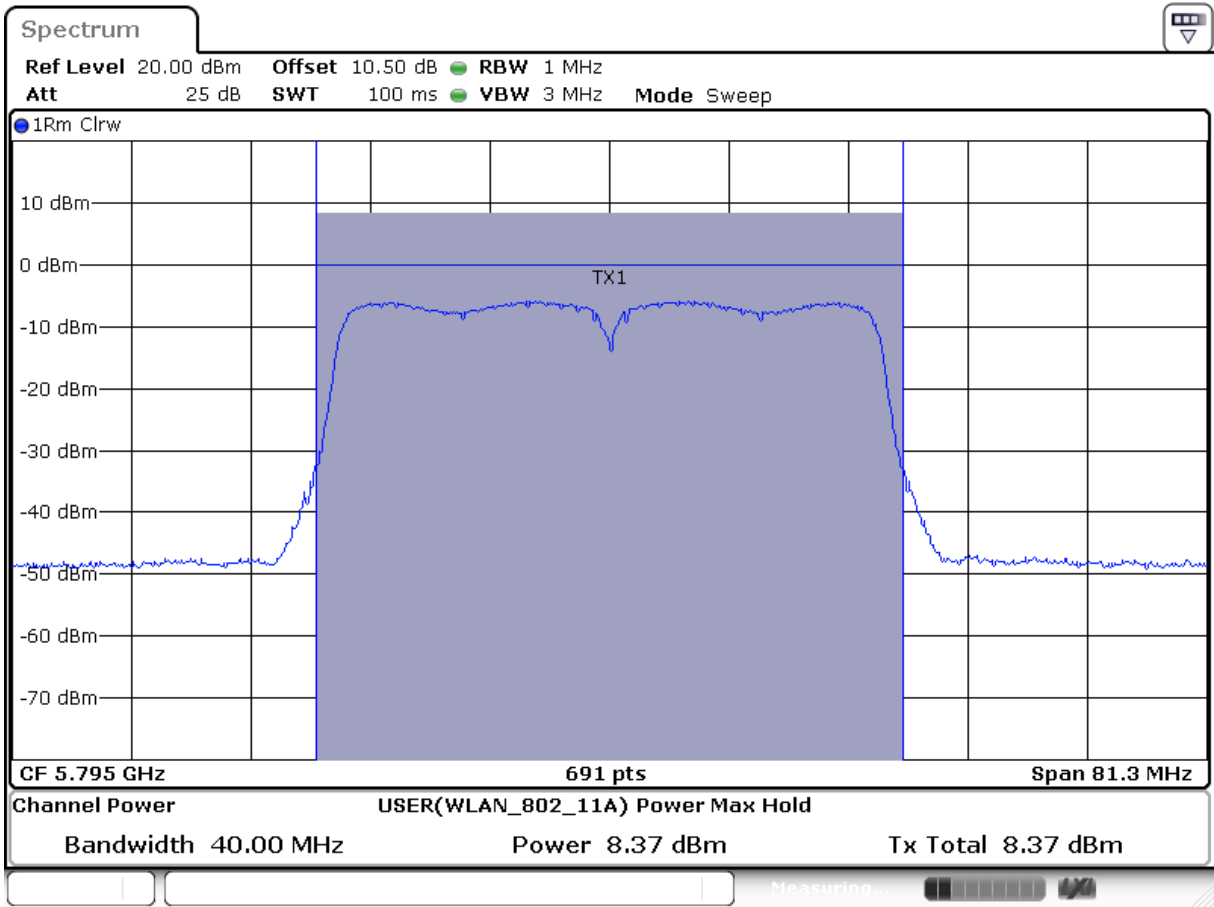
Site: RF-Cond01

#9

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



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 159_Output power		

7.4.5.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.81	30	Page 93
H	7.55	30	Page 94

註：1. 繪圖資料請參考第 93-94 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ac40_Ant2

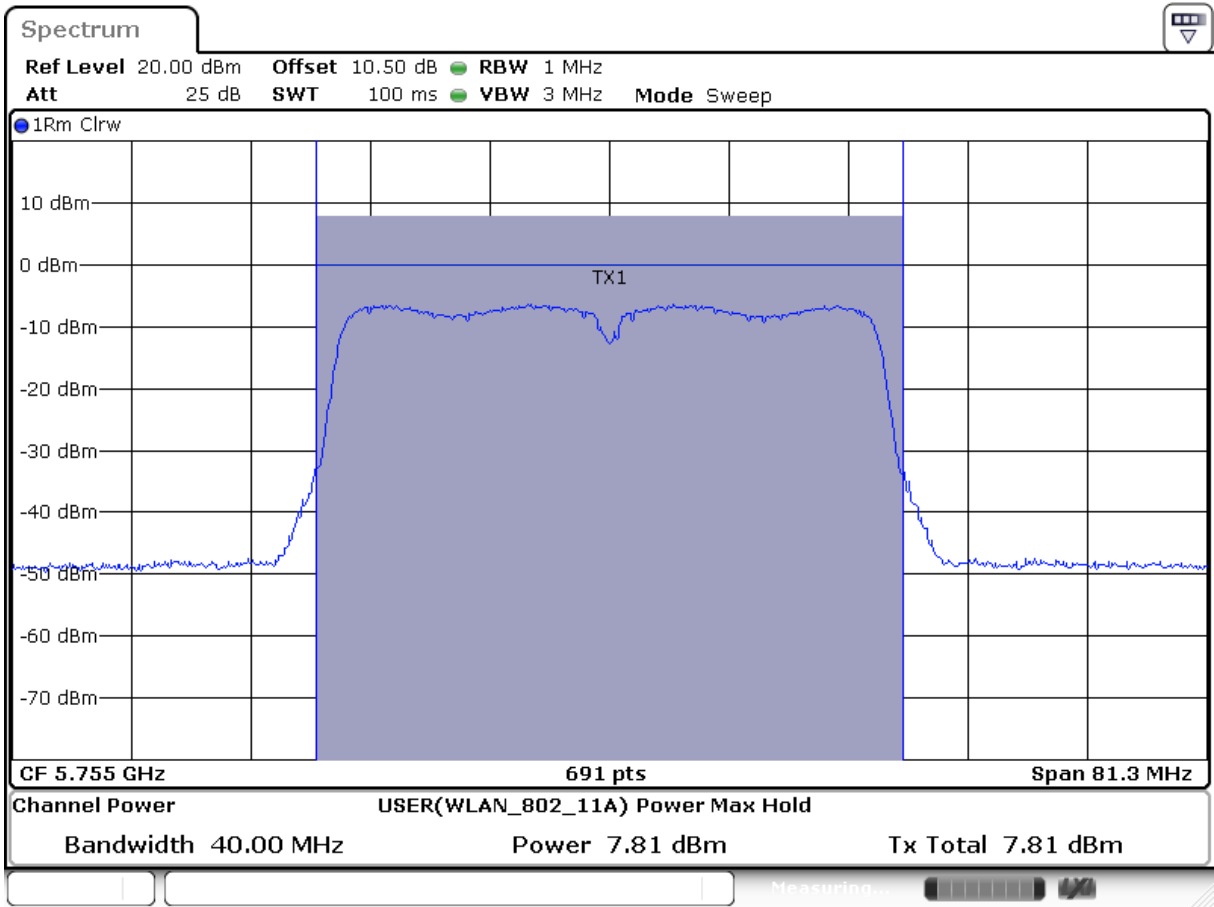
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 151_Output power		

File: 20-07-MAS-052_5-8ac40_Ant2

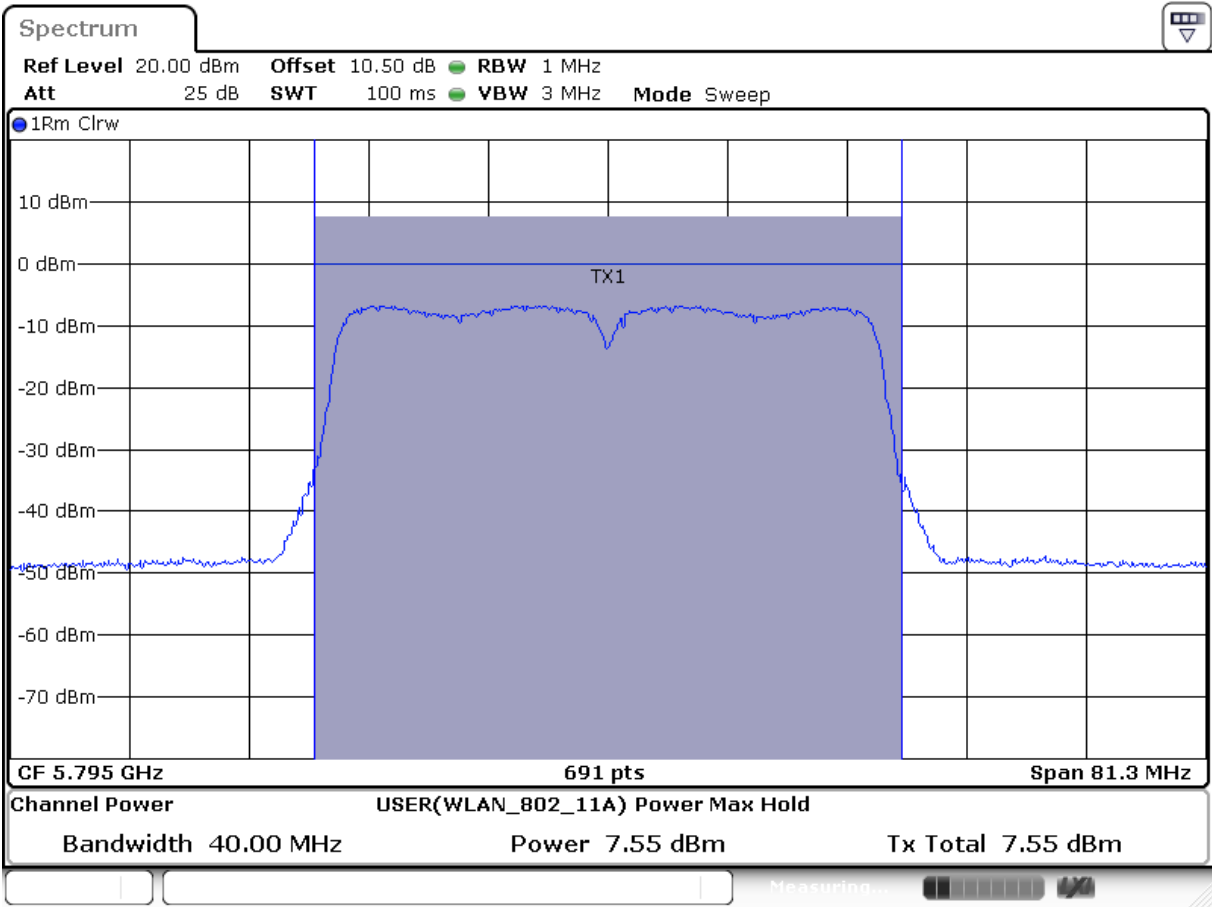
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 159_Output power		

7.4.5.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.43	7.81	11.14	28.71
H	8.37	7.55	10.99	28.71

註:

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
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 VHT80

7.4.6.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.56	30	Page 97

註：1. 繪圖資料請參考第 97 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ac80_Ant1

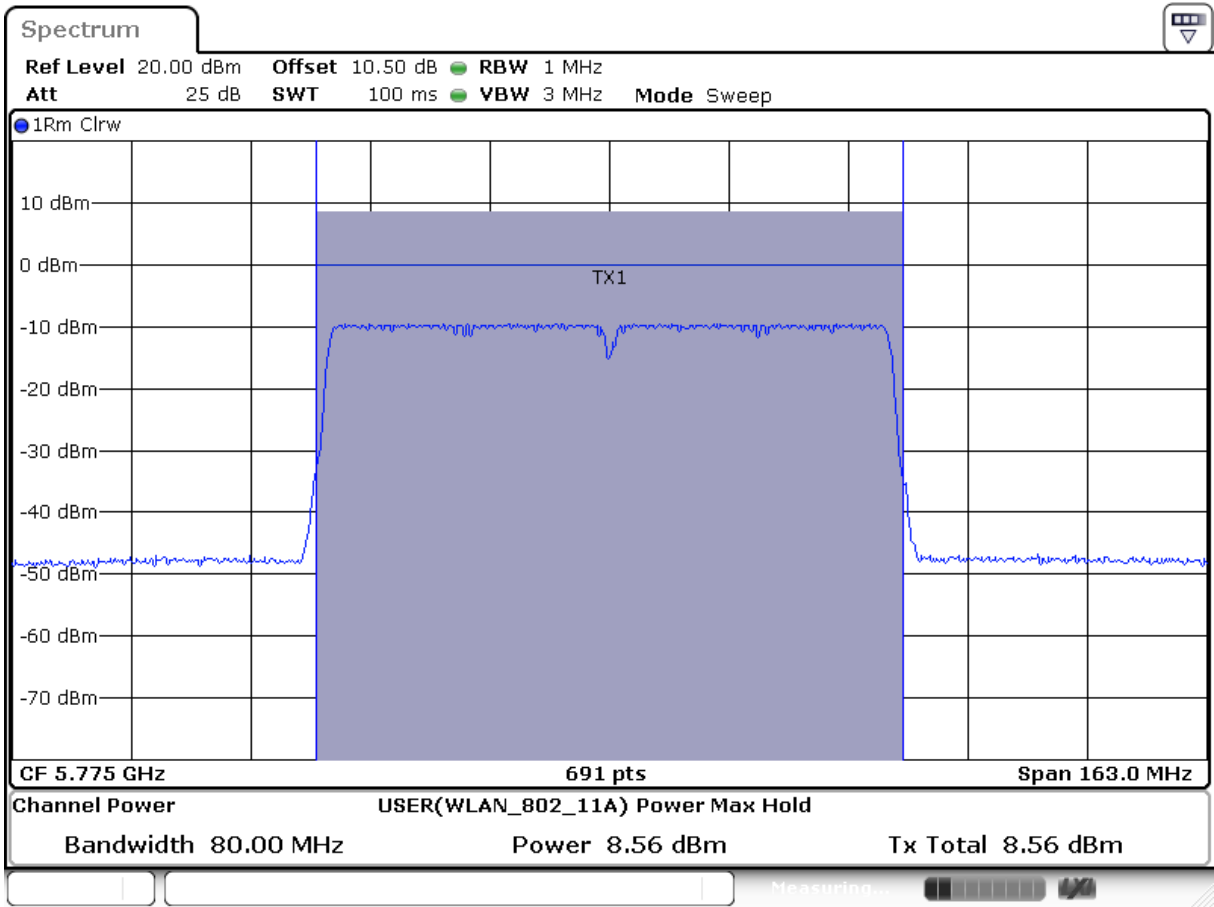
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ac80_Channel 155_Output power

RF Conducted

Sweep Time: 100ms

RBW: 1000 KHz

Operator:

Att.: 25dB

VBW: 3000 KHz

Phillip

7.4.6.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	7.72	30	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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

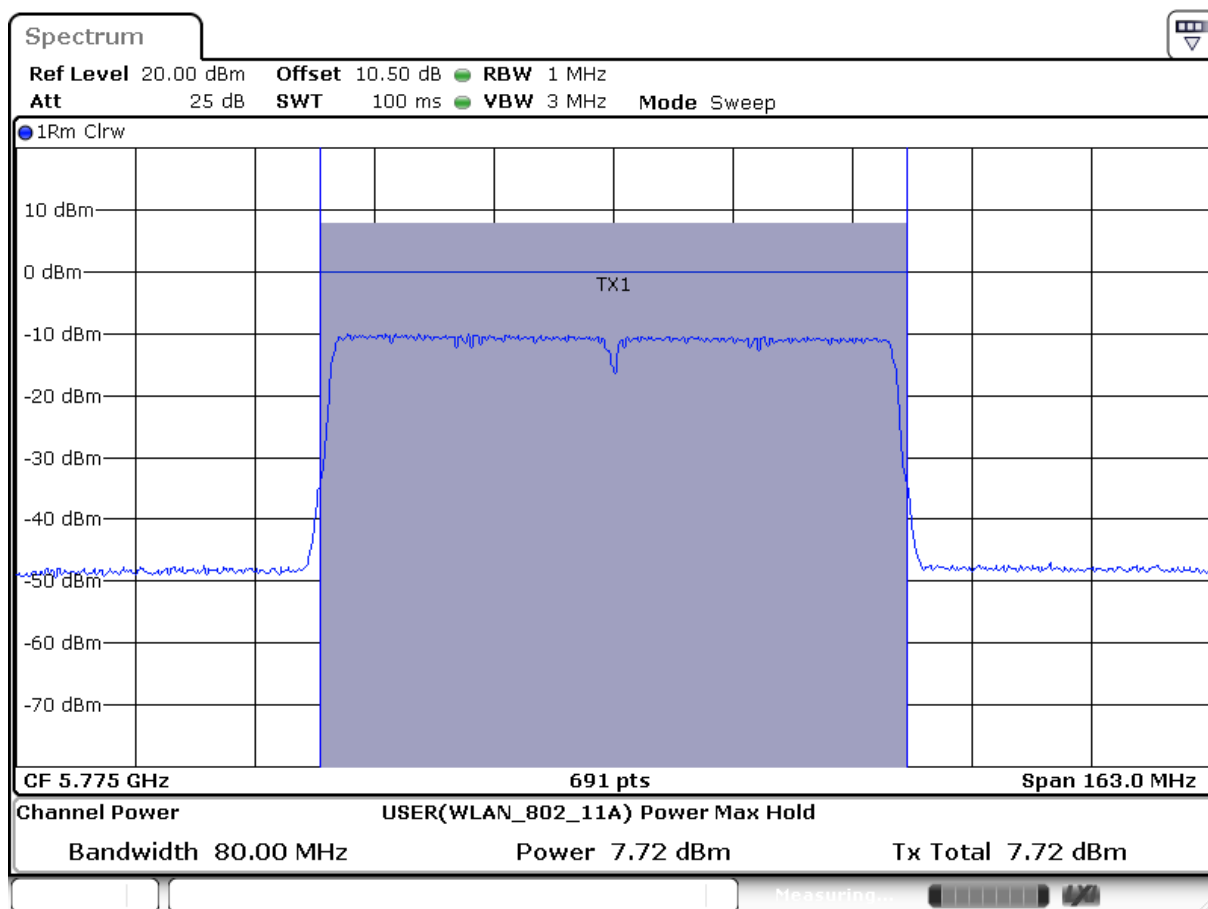
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-8ac80_Ant2
Site: RF-Cond01

#1

Date: 2020/8/7

Temperature: 24 °C
Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ac80_Channel 155_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.6.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.56	7.72	11.17	28.71

註：

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
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: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.38	30	Page 102
M	8.33	30	Page 103
H	8.19	30	Page 104

註：1. 繪圖資料請參考第 102-104 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ax20_Ant1

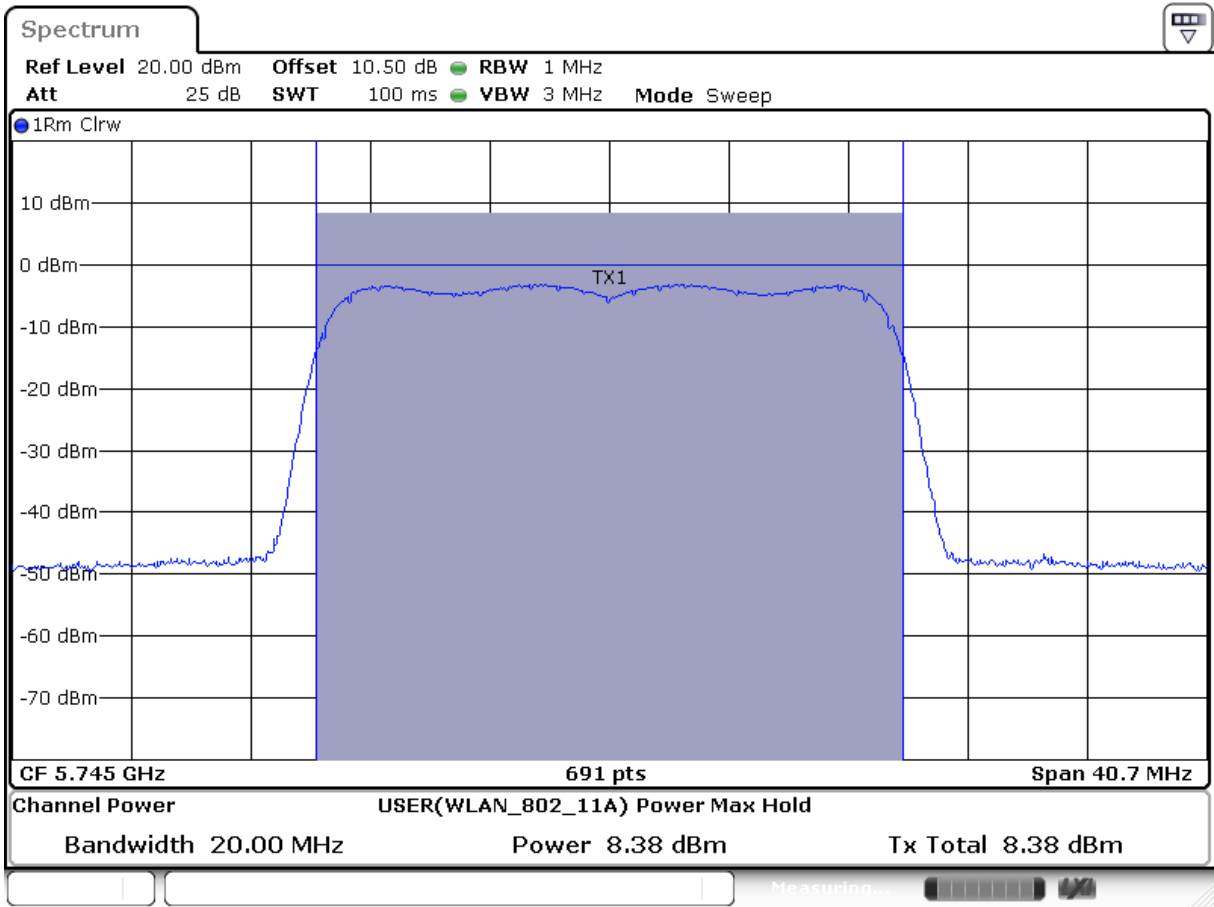
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8ax20_Ant1

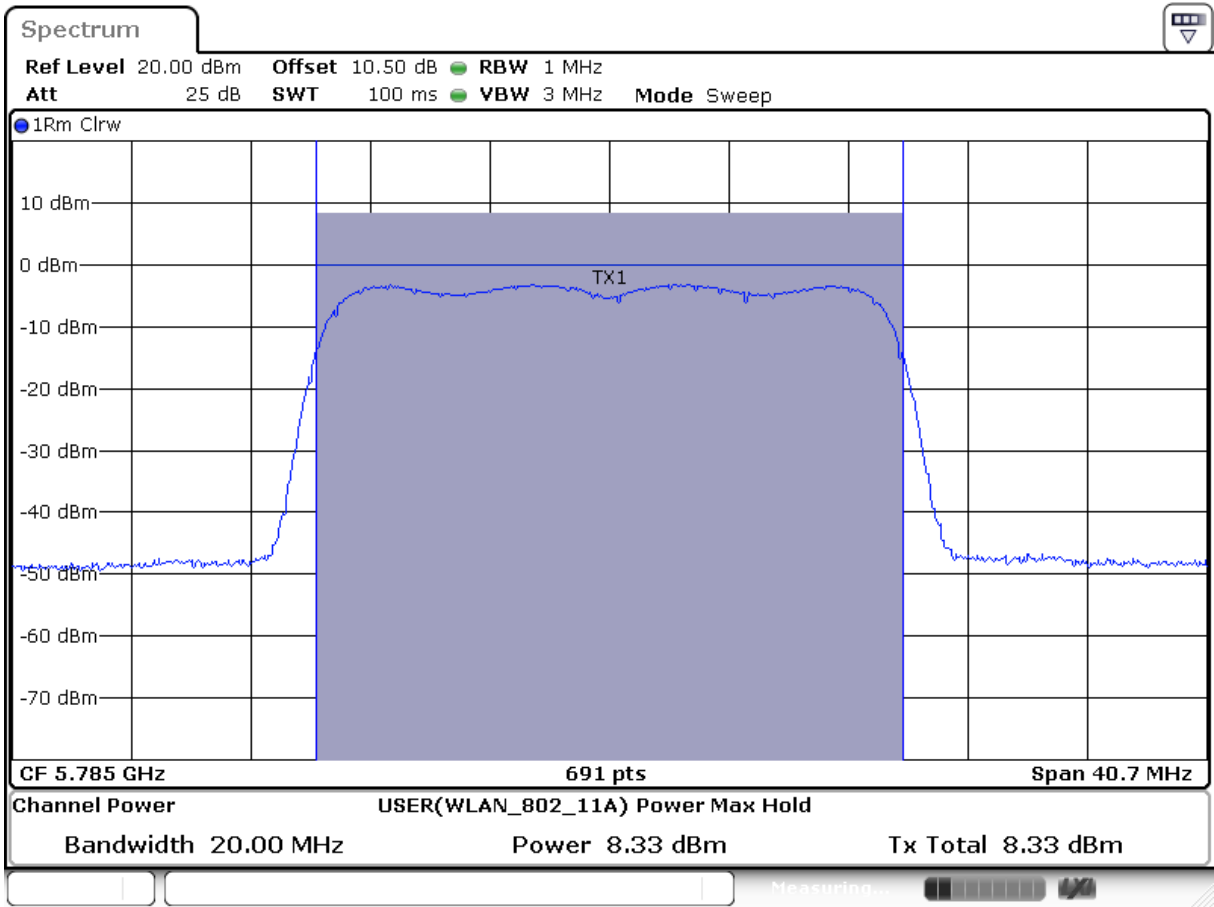
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 157_Output power		

File: 20-07-MAS-052_5-8ax20_Ant1

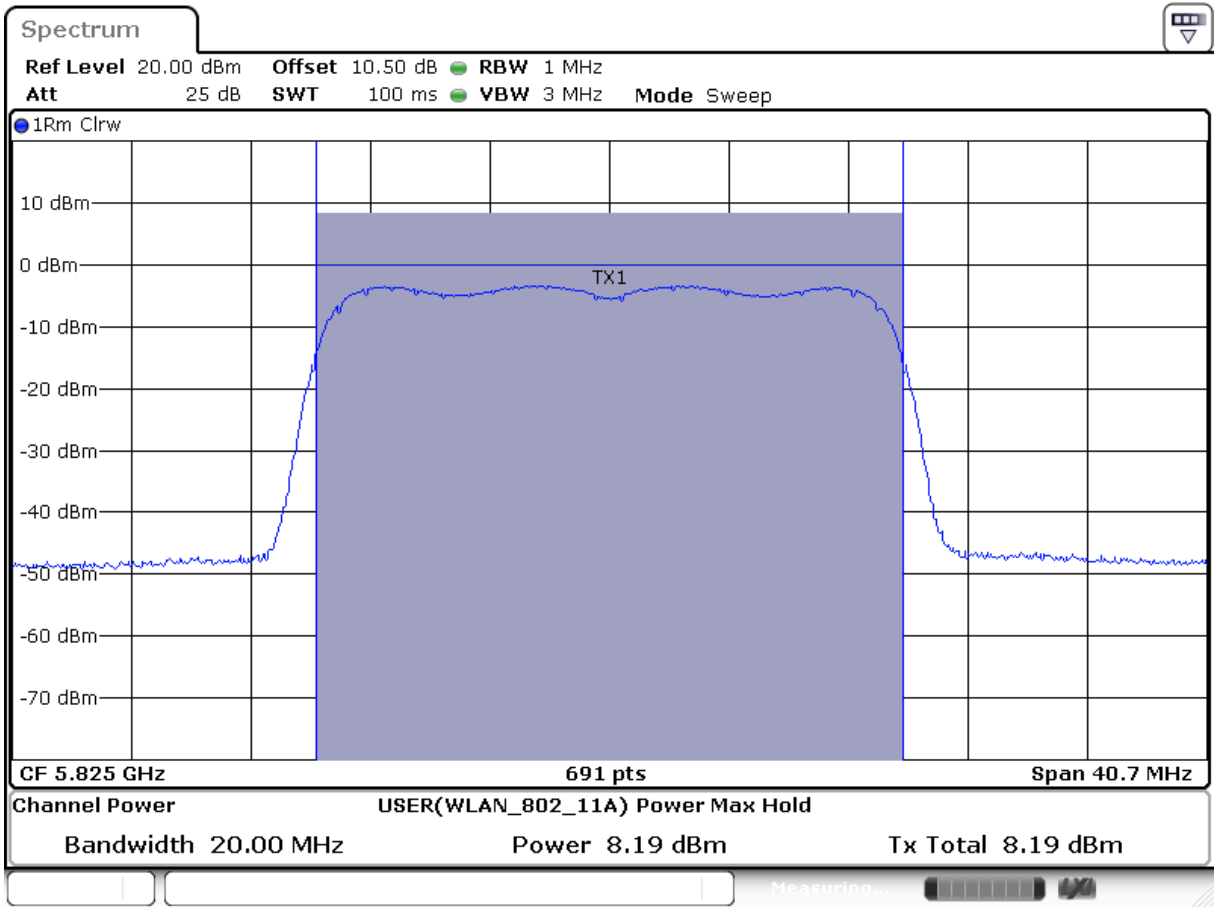
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 165_Output power		

7.4.7.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.05	30	Page 106
M	7.80	30	Page 107
H	7.51	30	Page 108

註：1. 繪圖資料請參考第 106-108 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ax20_Ant2

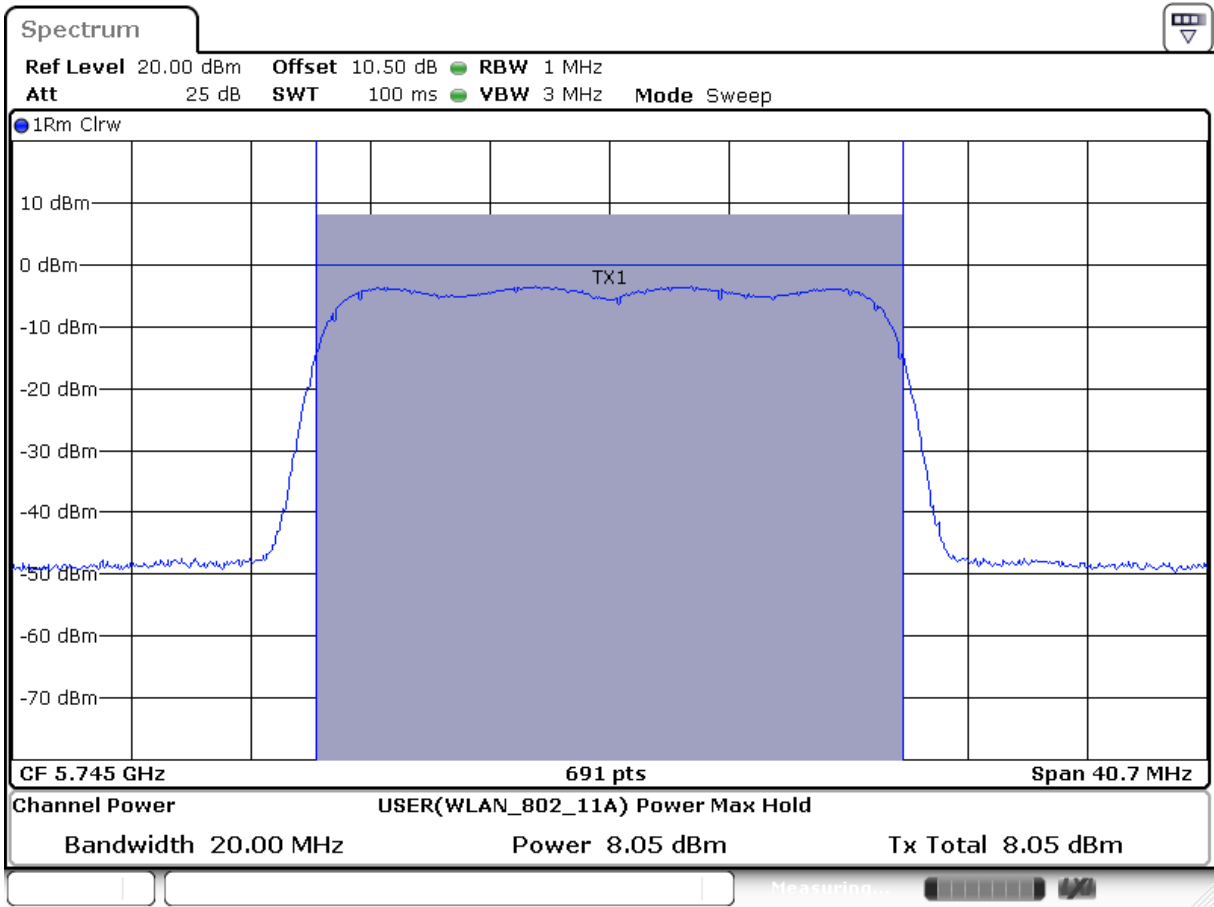
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 149_Output power		

File: 20-07-MAS-052_5-8ax20_Ant2

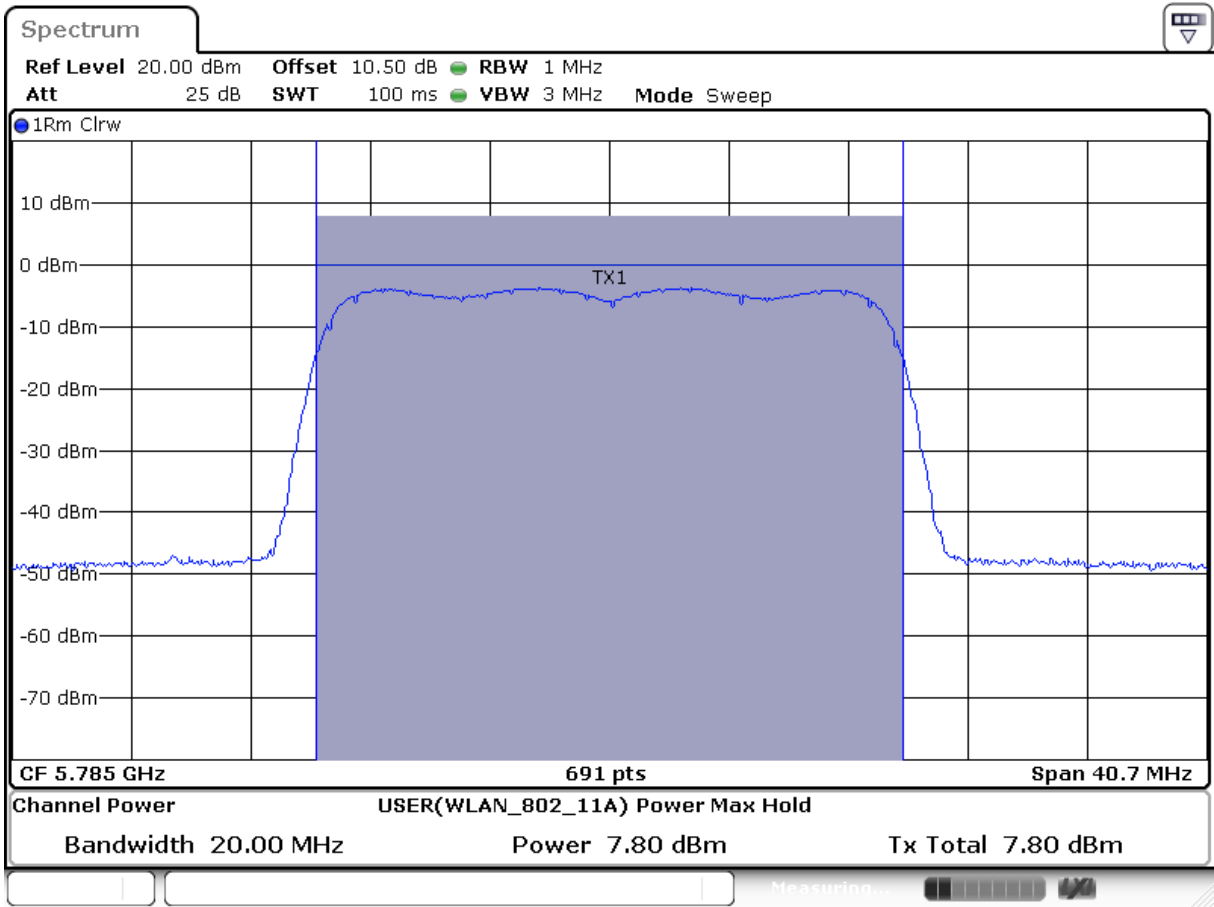
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 157_Output power		

File: 20-07-MAS-052_5-8ax20_Ant2

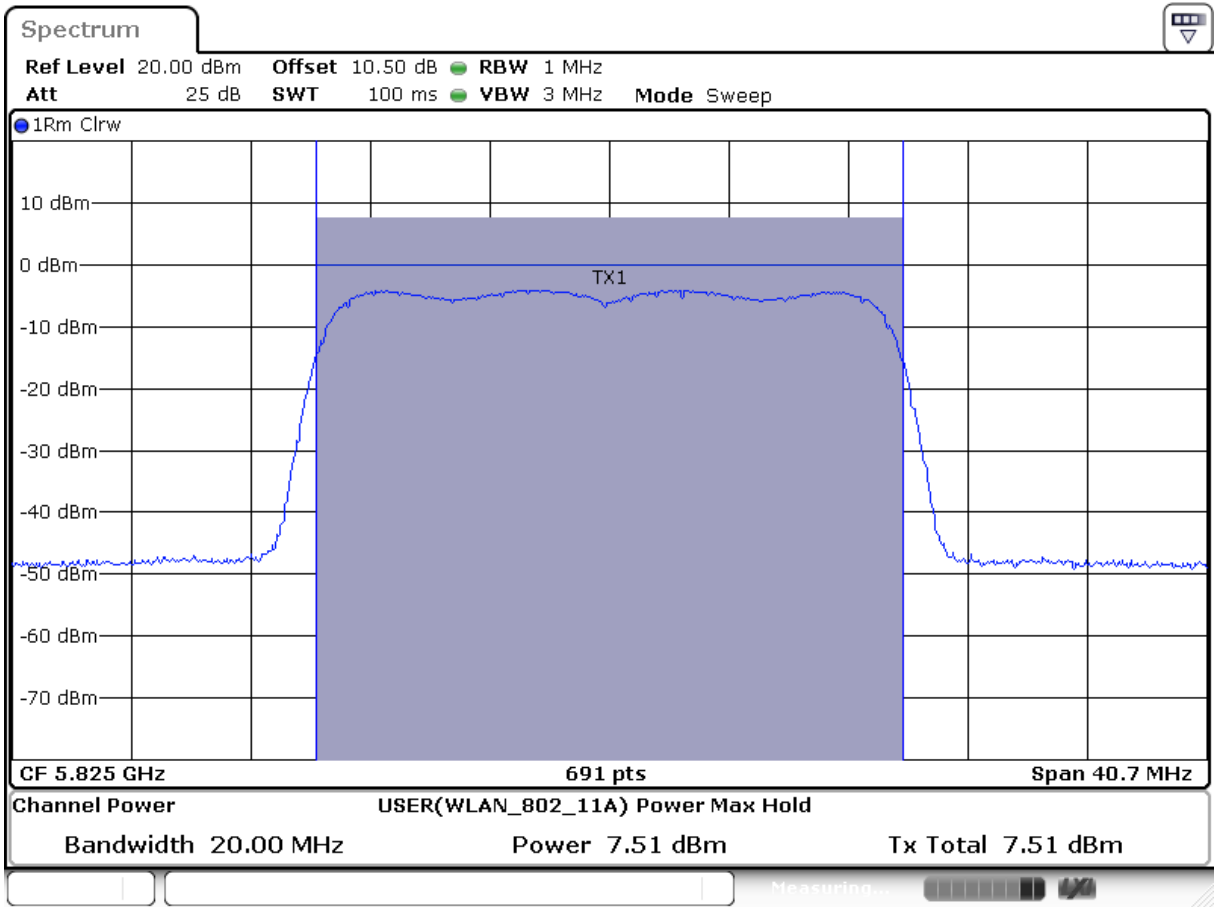
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 165_Output power		

7.4.7.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.38	8.05	11.23	28.71
M	8.33	7.80	11.08	28.71
H	8.19	7.51	10.87	28.71

註:

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
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: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 5 dBi, NCC Limit 如下表所示:

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.73	30	Page 111
H	8.66	30	Page 112

註: 1. 繪圖資料請參考第 111-112 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ax40_Ant1

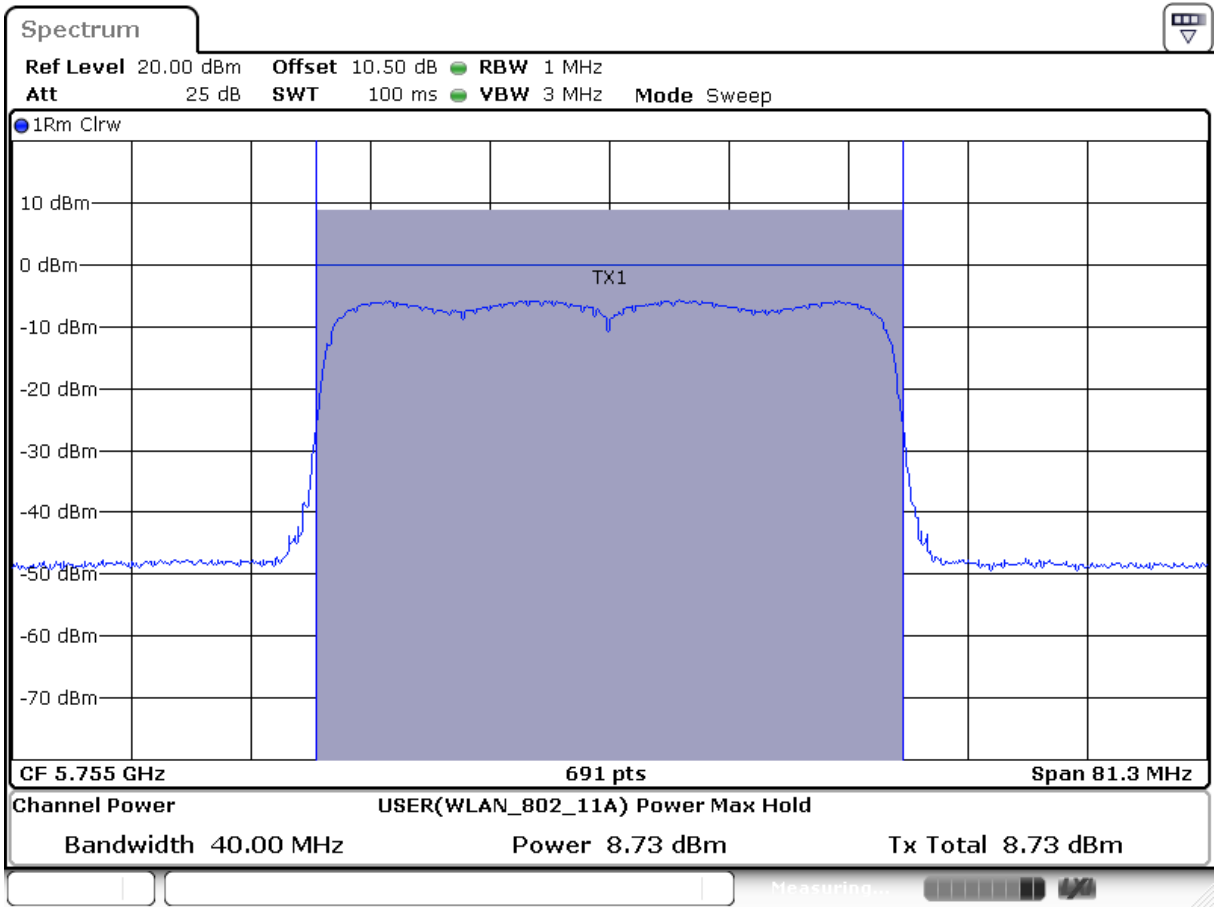
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 151_Output power		

File: 20-07-MAS-052_5-8ax40_Ant1

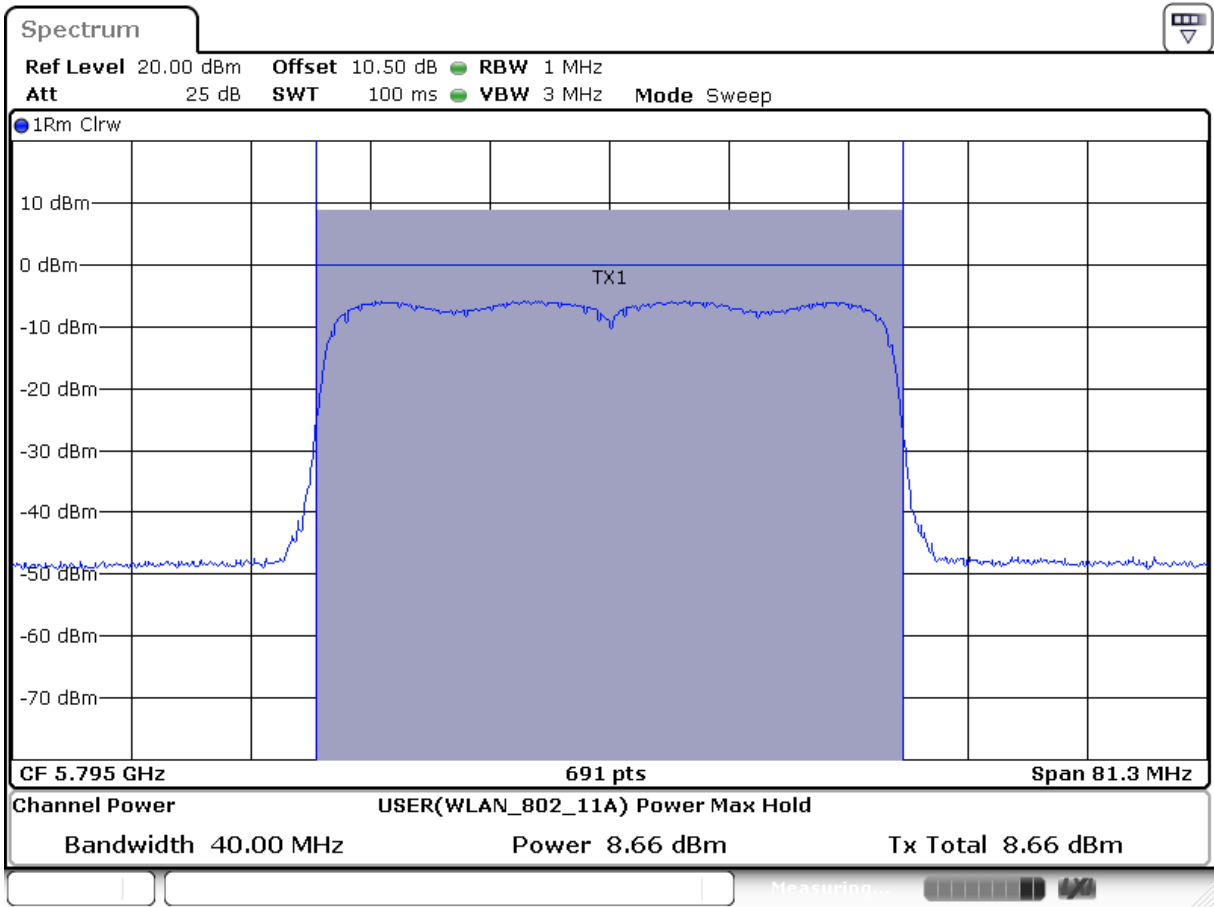
Site: RF-Cond01

#9

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



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 159_Output power		

7.4.8.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.06	30	Page 114
H	7.83	30	Page 115

註：1. 繪圖資料請參考第 114-115 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

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_5-8ax40_Ant2

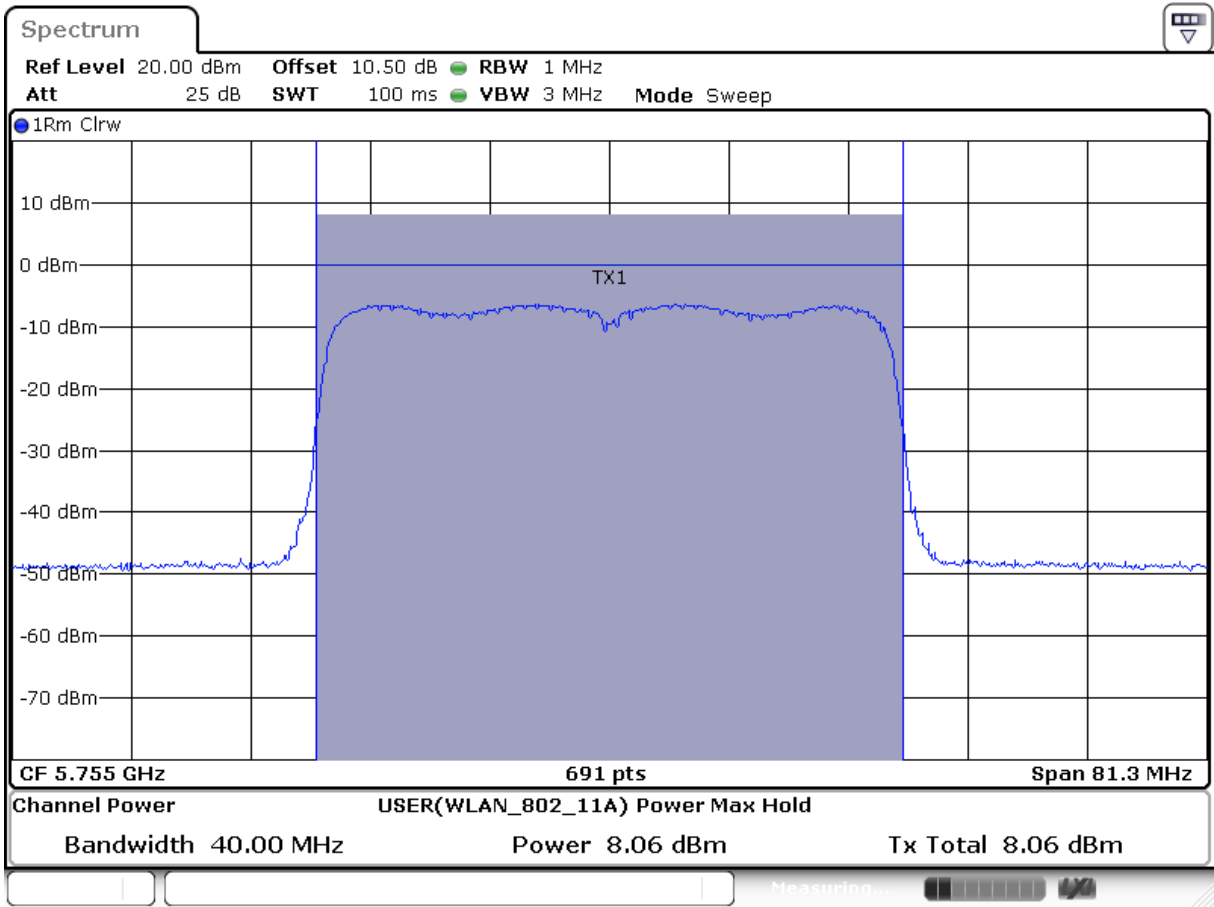
#1

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



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 151_Output power		

File: 20-07-MAS-052_5-8ax40_Ant2

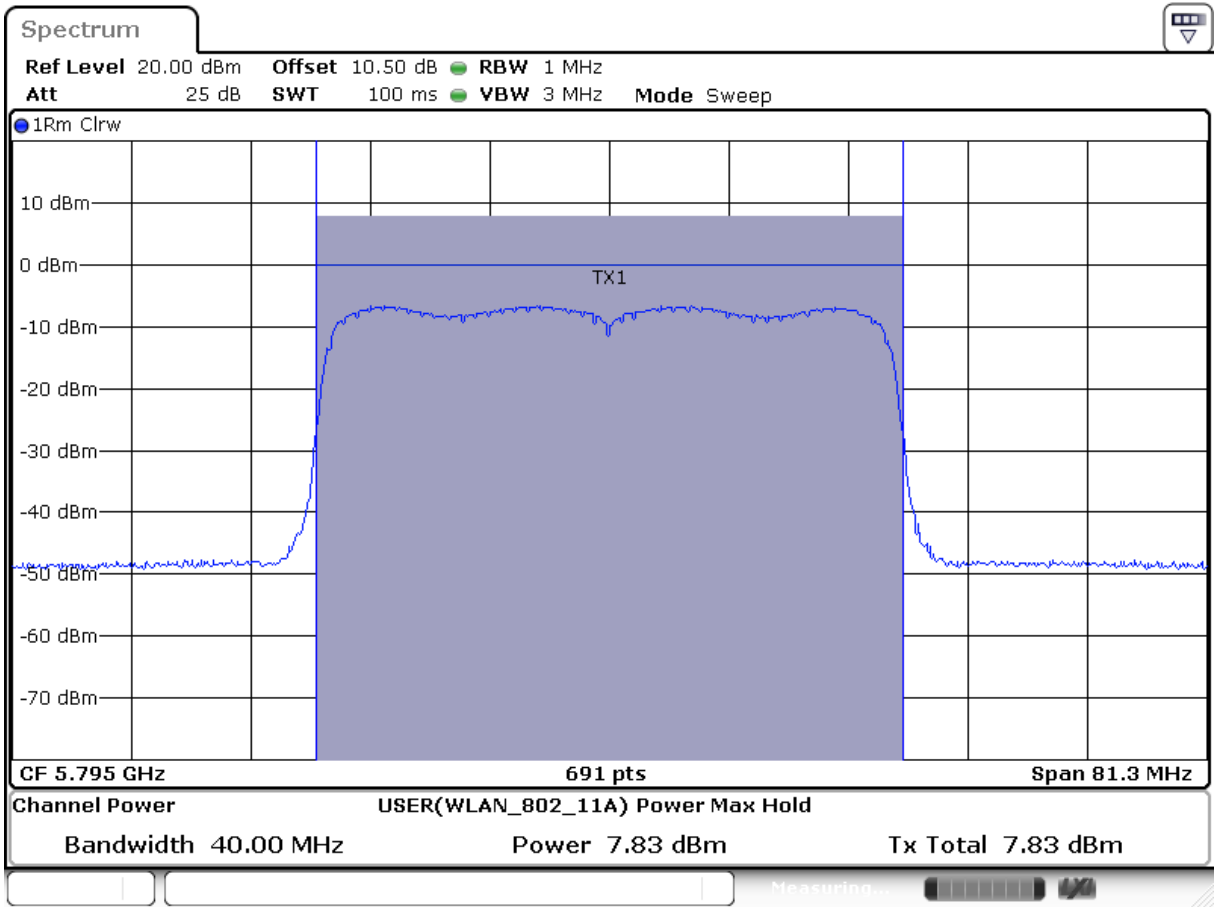
Site: RF-Cond01

#9

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



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 159_Output power		

7.4.8.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.73	8.06	11.42	28.71
H	8.66	7.83	11.28	28.71

註:

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
5. 量測不準確度: +1.5dB(1GHz $\leq$ f $\leq$ 18GHz)

7.4.9 調變技術: IEEE 802.11ax (80MHz)

7.4.9.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.76	30	Page 118

註：1. 繪圖資料請參考第 118 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. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

4. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

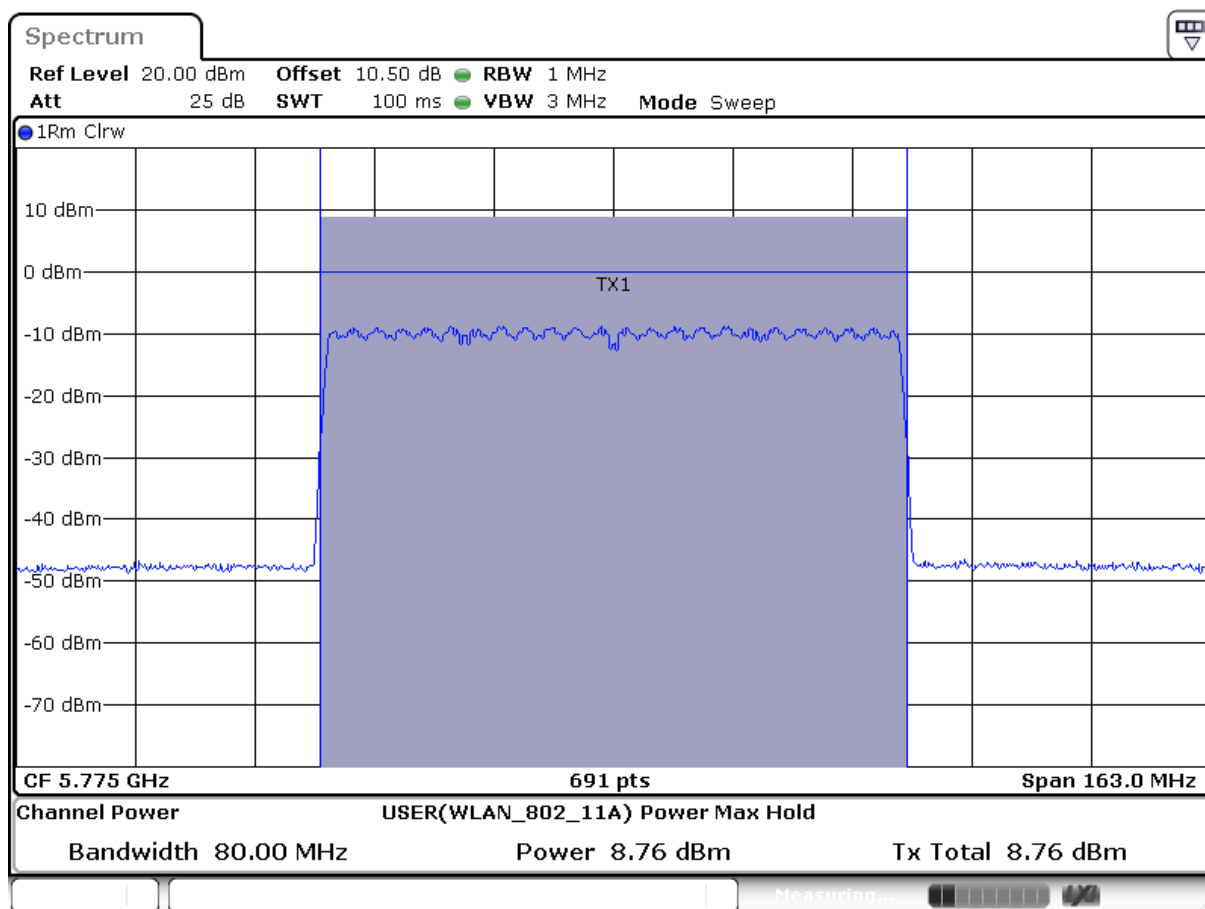
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-8ax80_Ant1
Site: RF-Cond01

#1

Date: 2020/8/7

Temperature: 24 °C
Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 155_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.9.2 CHAIN 1

測試日期: Aug. 07, 2020 環境溫度: 24°C 環境濕度: 55%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Maximum Peak Output Power (dBm)	NCC Limit (dBm)	Chart
L	8.03	30	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. If antenna gain $\leq 6\text{dBi}$, NCC Limit = 30 dBm

4. If antenna gain $> 6\text{dBi}$, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

5. NCC Limit (dBm)=10 log NCC Limit (mW)

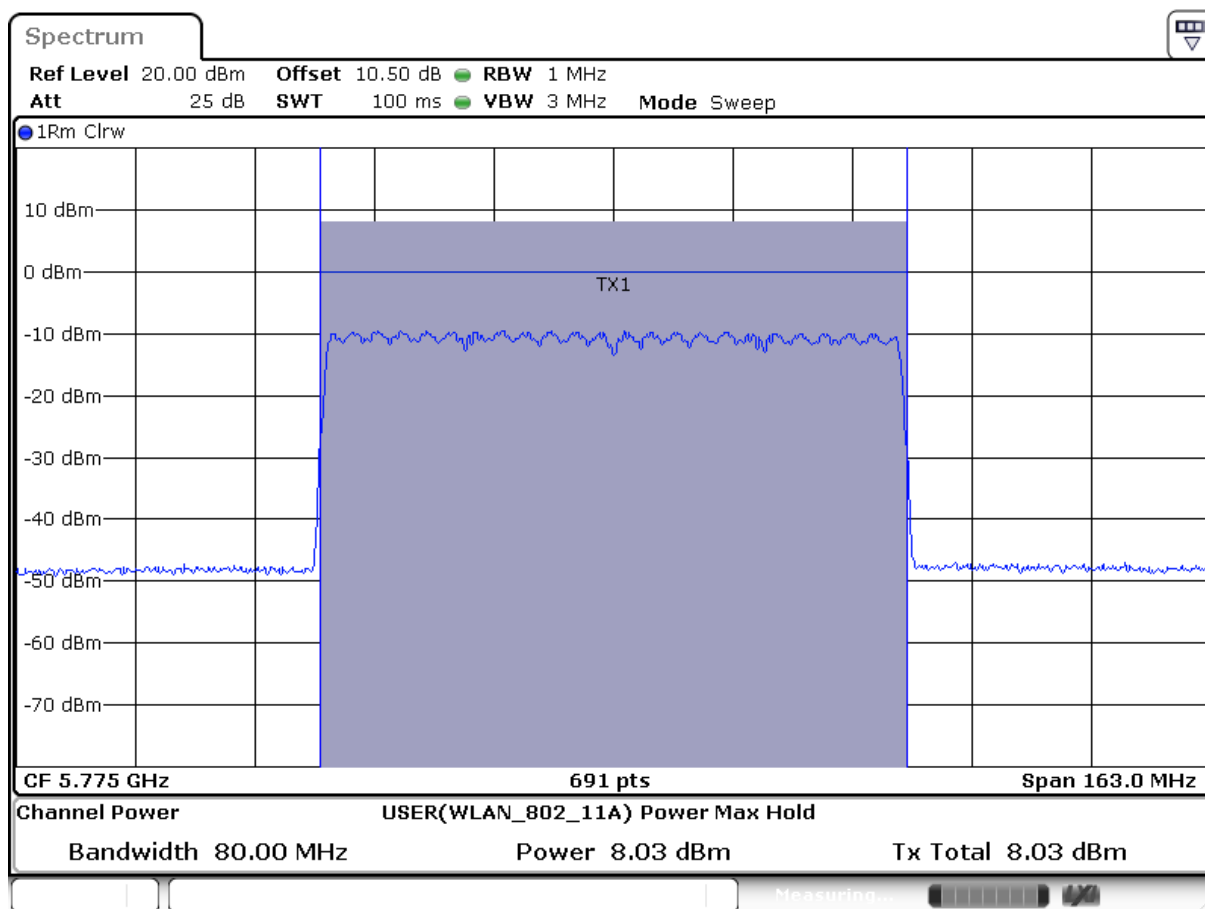
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-8ax80_Ant2
Site: RF-Cond01

#1

Date: 2020/8/7

Temperature: 24 °C
Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 155_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.9.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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 Peak Output Power (dBm)	CHAIN 1 Maximum Peak Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)
L	8.76	8.03	11.42	28.71

註:

1. 最大傳導輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。
2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm
3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)
4. NCC Limit (dBm)=10 log NCC Limit (mW)
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

國家通訊傳播委員會低功率射頻電機技術規範4.7.3.3節(2)之規定，在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

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	WEINSCHEL	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: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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	0.55	30	Page 124
M	0.46	30	Page 125
H	0.05	30	Page 126

註: 1. 繪圖資料請參考第 124-126 頁。

2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

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

File: 20-07-MAS-052_5-8a_Ant1

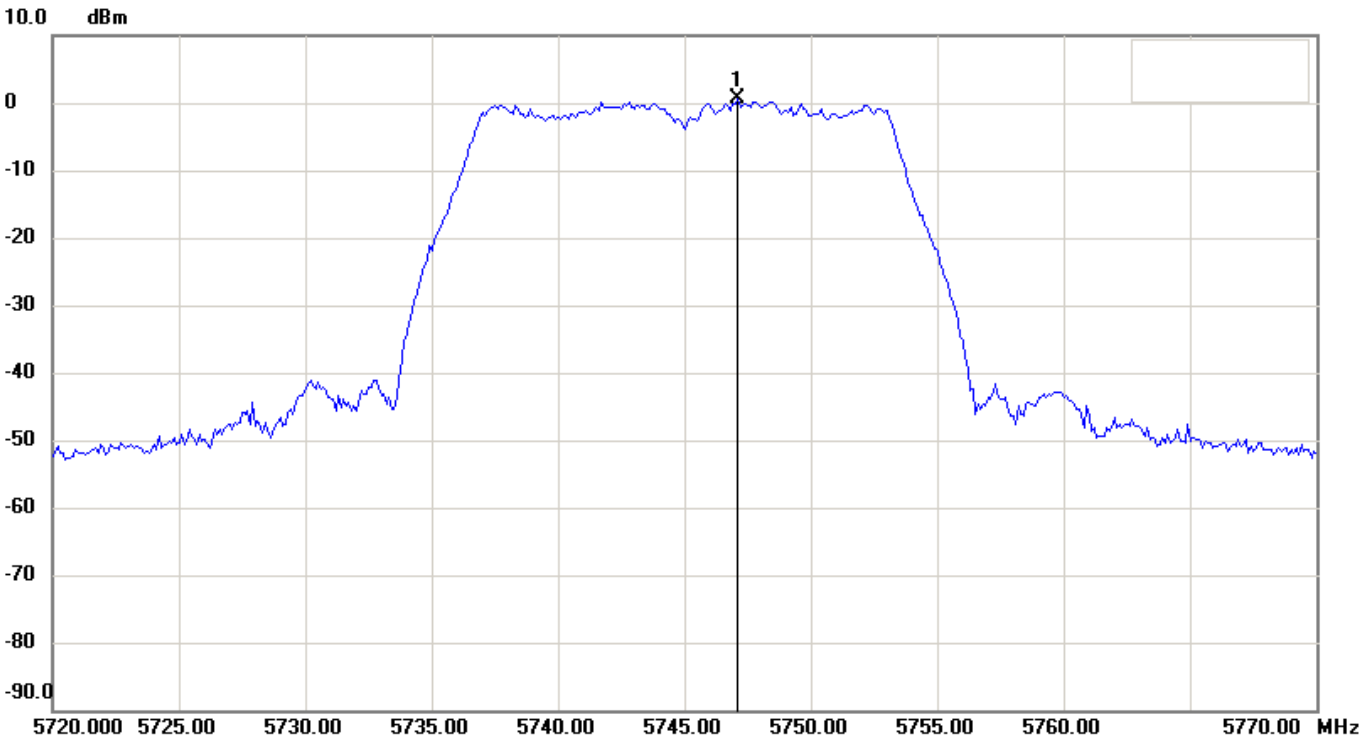
#5

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 149_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5747.10000	0.55

File: 20-07-MAS-052_5-8a_Ant1

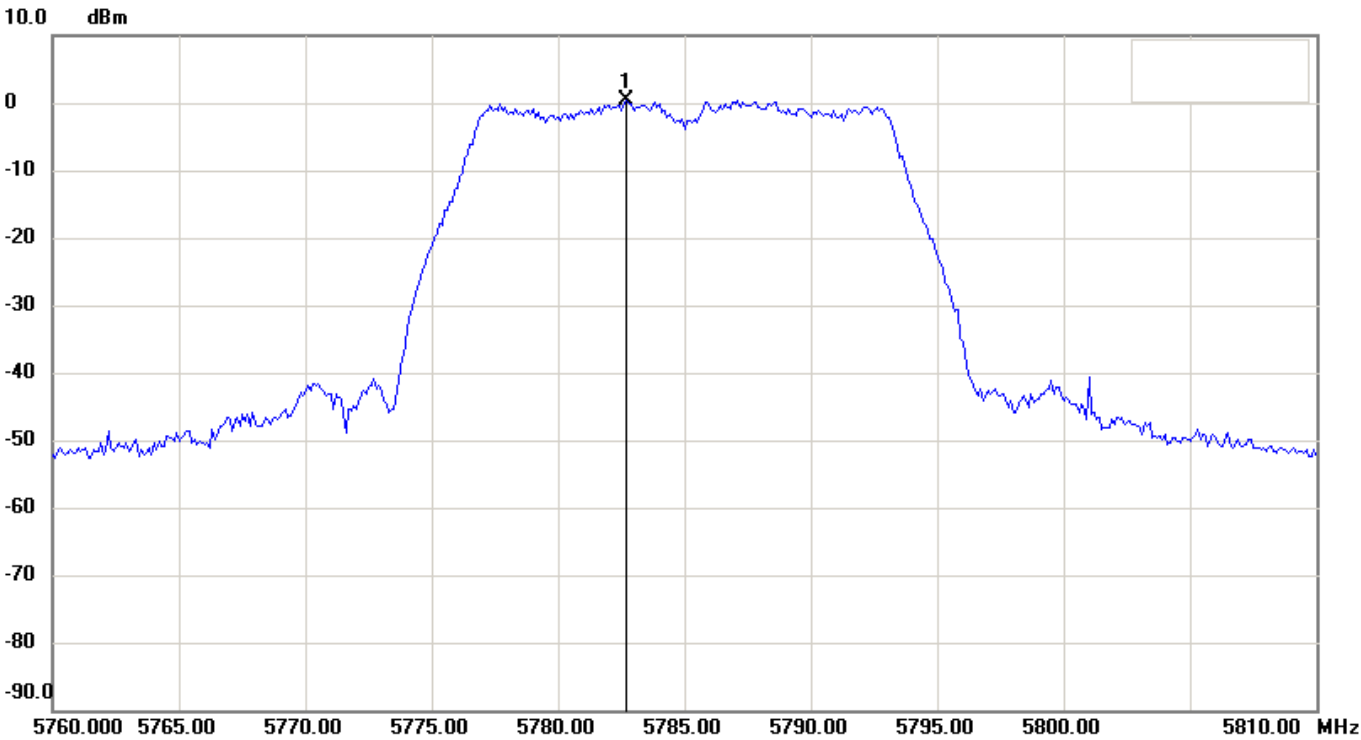
#13

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 157_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5782.70000	0.46

File: 20-07-MAS-052_5-8a_Ant1

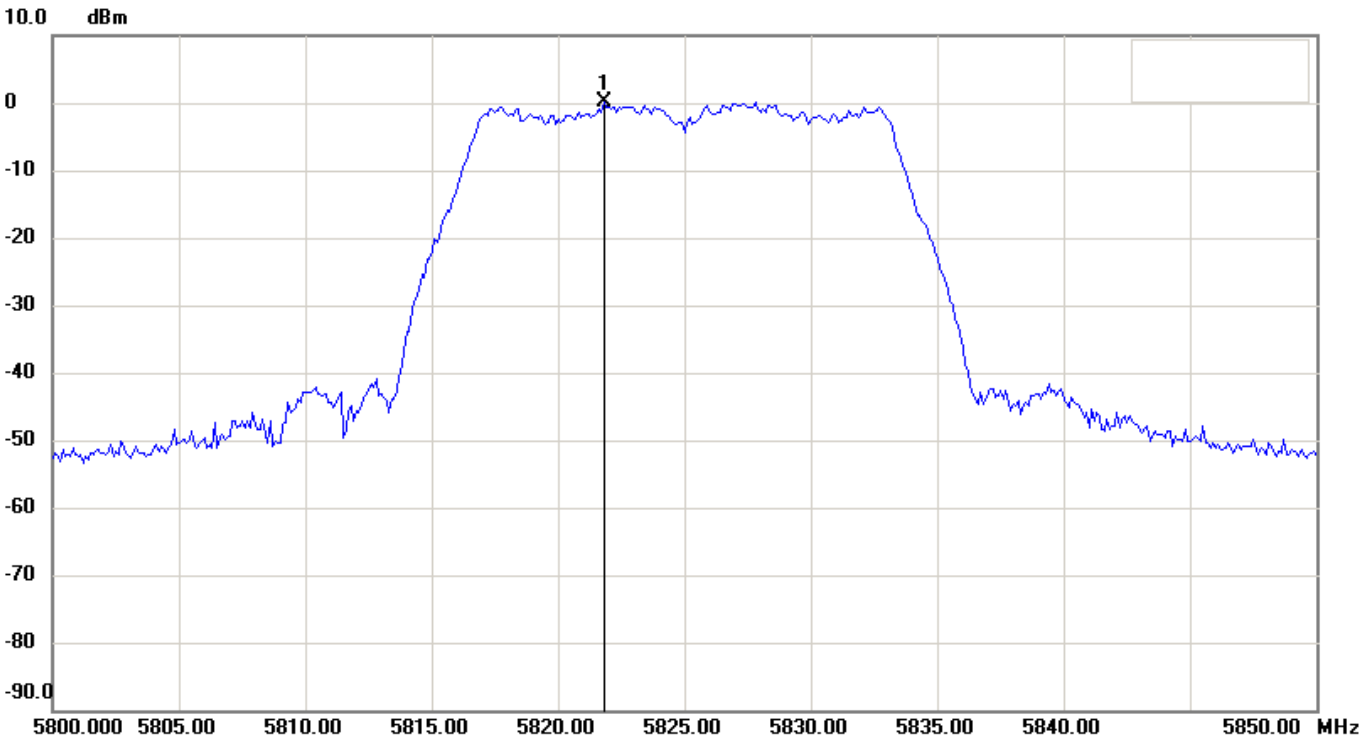
#20

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 165_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5821.80000	0.05

8.4.2 調變技術: IEEE 802.11ax (20MHz)

8.4.2.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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	3.34	30	Page 128
M	2.68	30	Page 129
H	1.80	30	Page 130

註：1. 繪圖資料請參考第 128-130 頁。

2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm3. If antenna gain $>$ 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)4. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-8ax20_Ant1

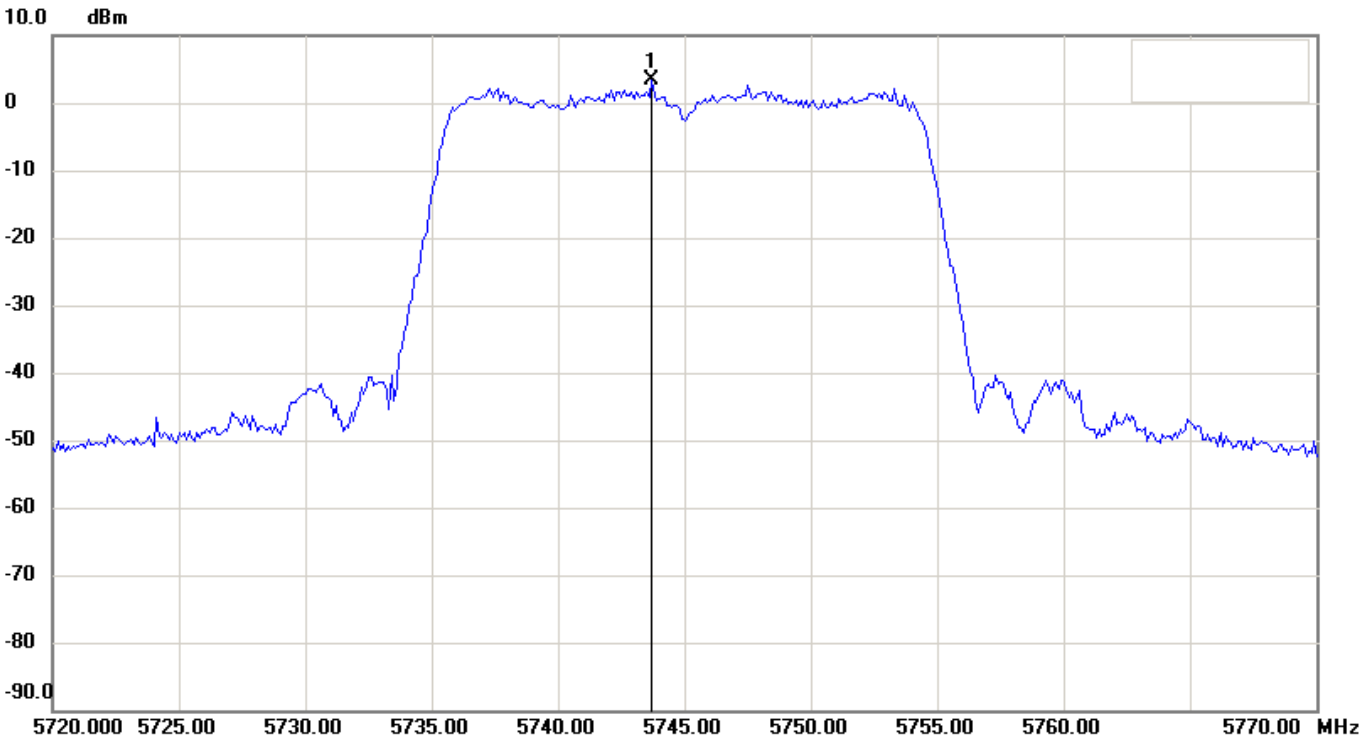
#5

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 149_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5743.70000	3.34

File: 20-07-MAS-052_5-8ax20_Ant1

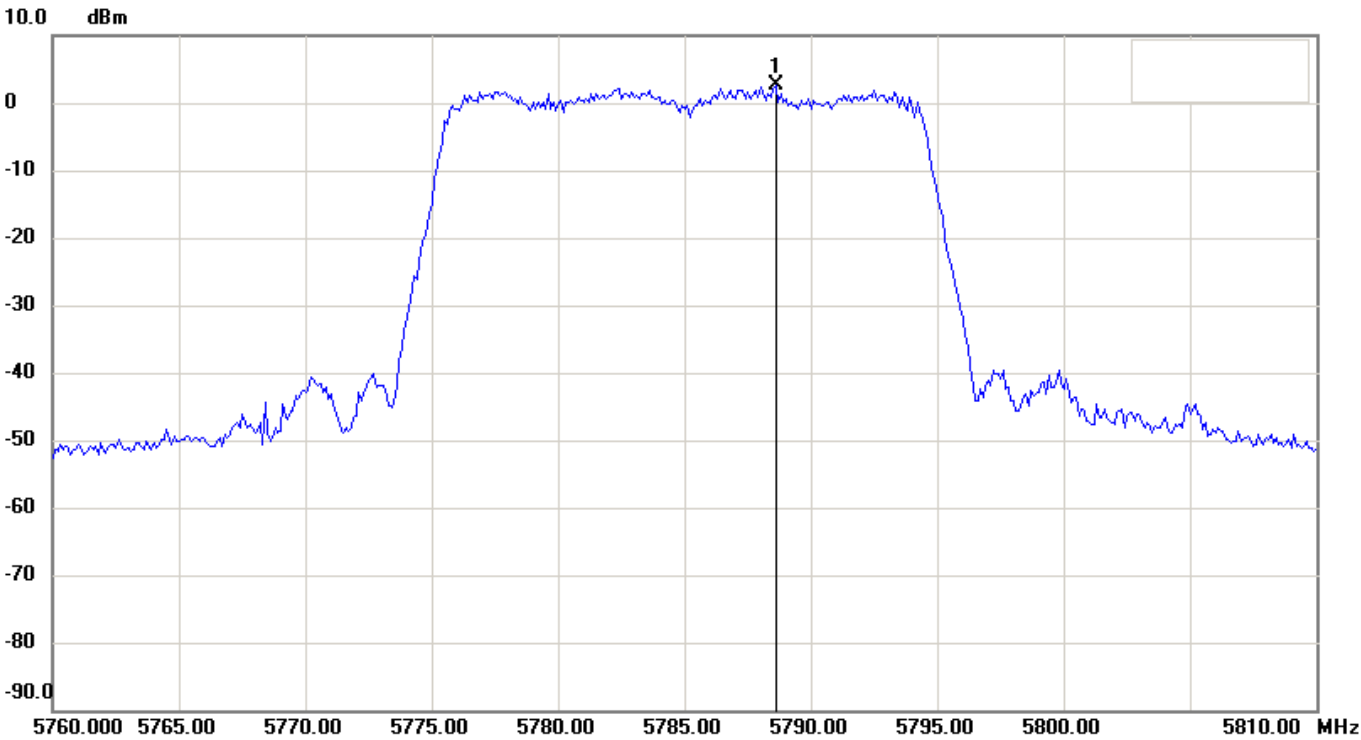
#13

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 157_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5788.60000	2.68

File: 20-07-MAS-052_5-8ax20_Ant1

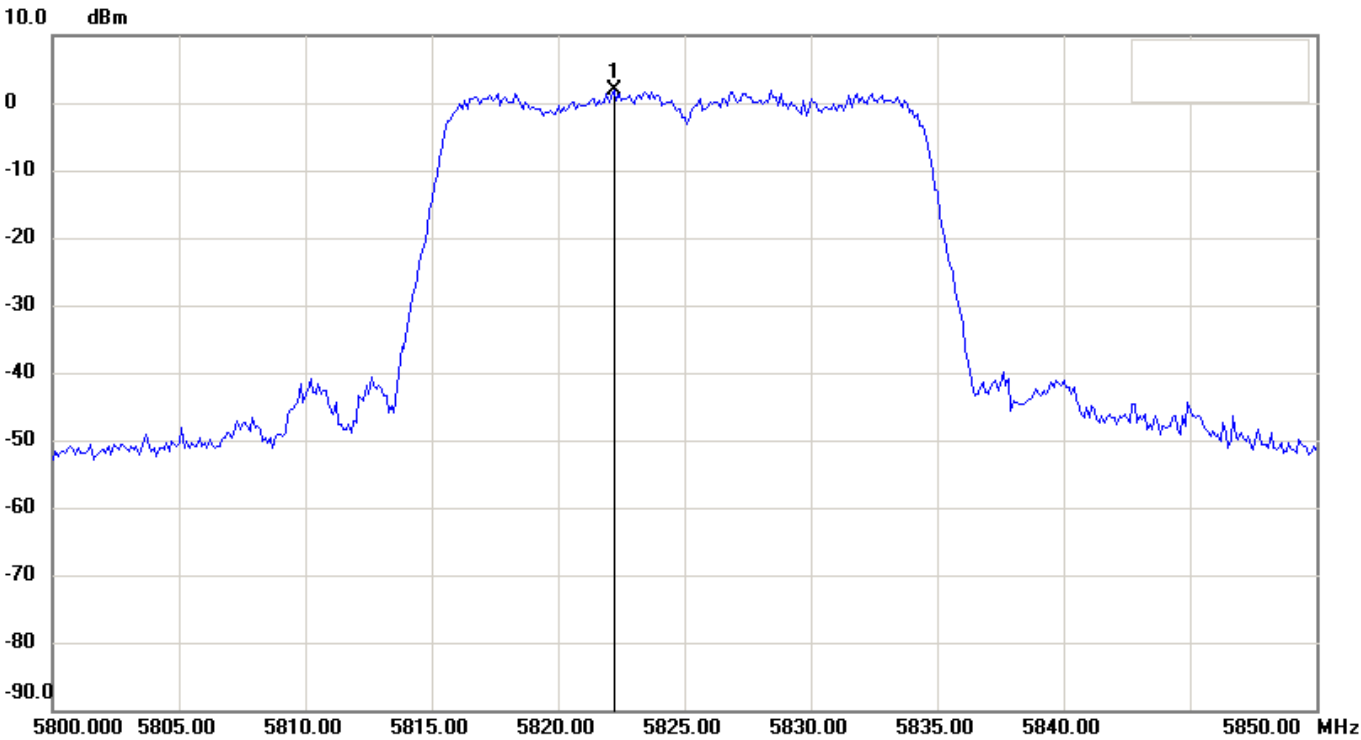
#20

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 165_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5822.20000	1.80

8.4.2.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	2.54	30	Page 132
M	2.16	30	Page 133
H	1.29	30	Page 134

註：1. 繪圖資料請參考第 132-134 頁。

2. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

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

File: 20-07-MAS-052_5-8ax20_Ant2

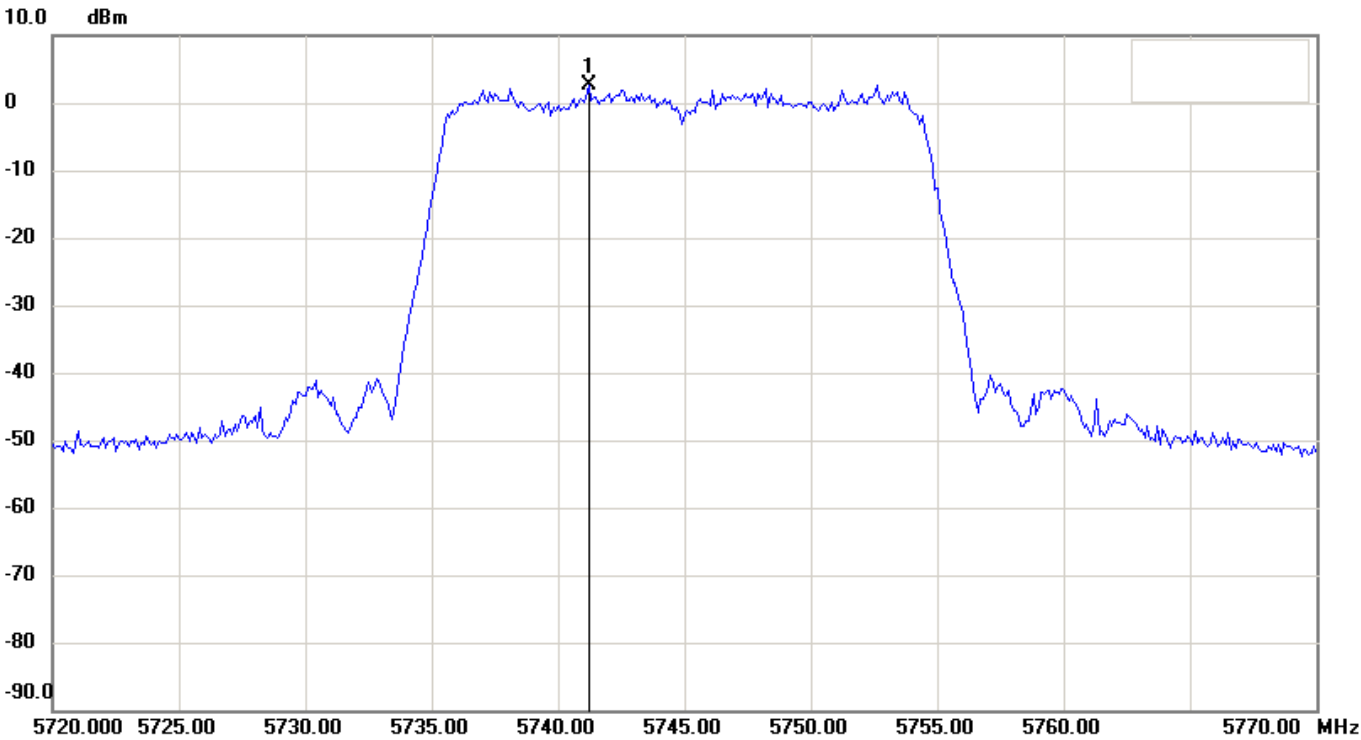
Site: RF-Cond01

#5

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 149_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5741.20000	2.54

File: 20-07-MAS-052_5-8ax20_Ant2

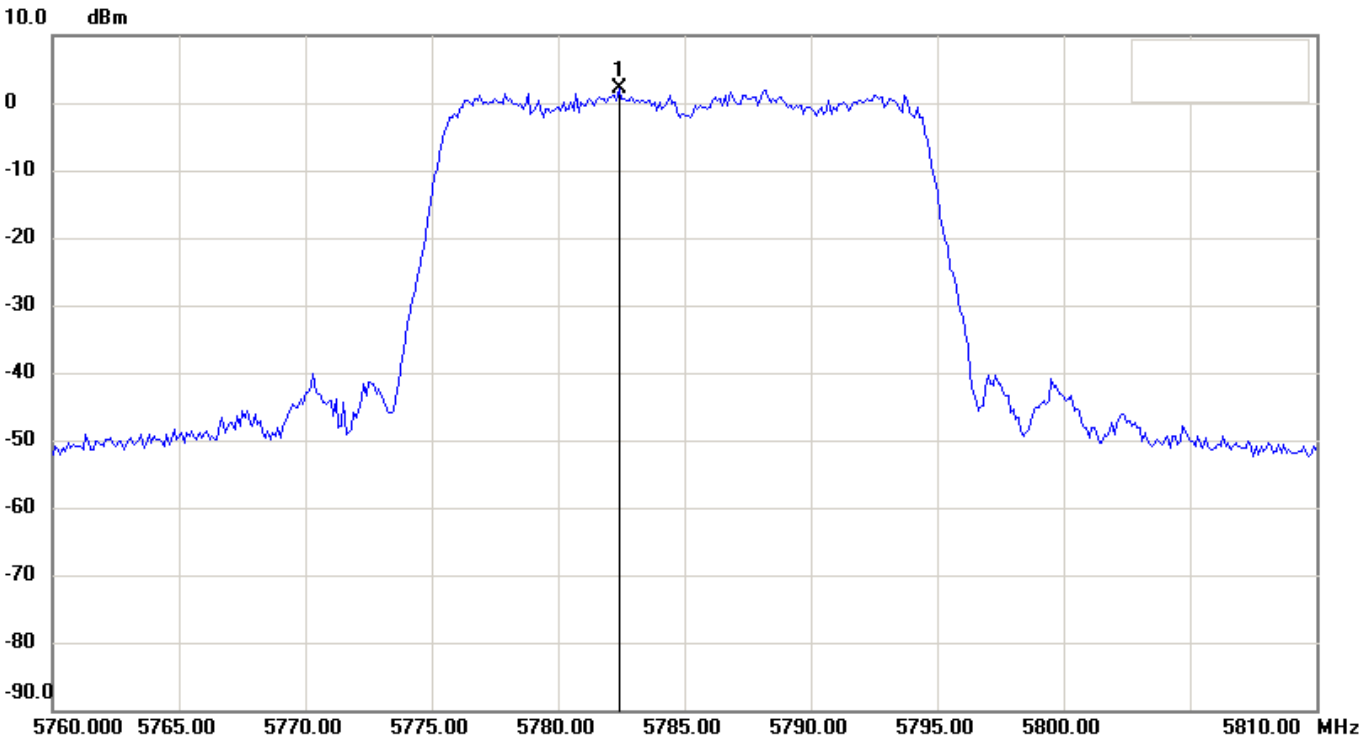
#13

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 157_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5782.40000	2.16

File: 20-07-MAS-052_5-8ax20_Ant2

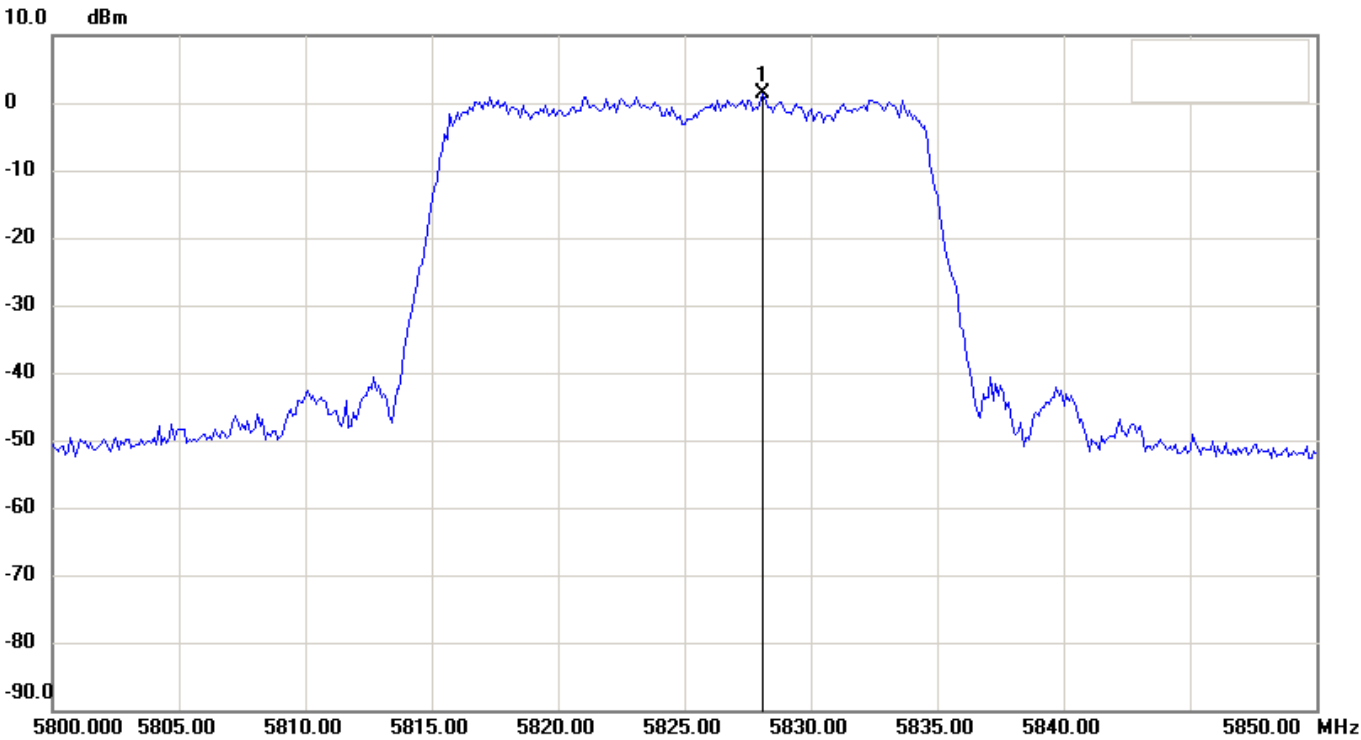
#20

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 165_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5828.10000	1.29

8.4.2.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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	3.34	2.54	5.97	28.71	-
M	2.68	2.16	5.44	28.71	-
H	1.80	1.29	4.56	28.71	-

註：1. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

2. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

3. 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: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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	-0.03	30	Page 137
H	0.21	30	Page 138

註：1. 繪圖資料請參考第 137-138 頁。

2. If antenna gain $\leq$ 6dBi, NCC Limit = 30dBm3. If antenna gain $>$ 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)4. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-8ax40_Ant1

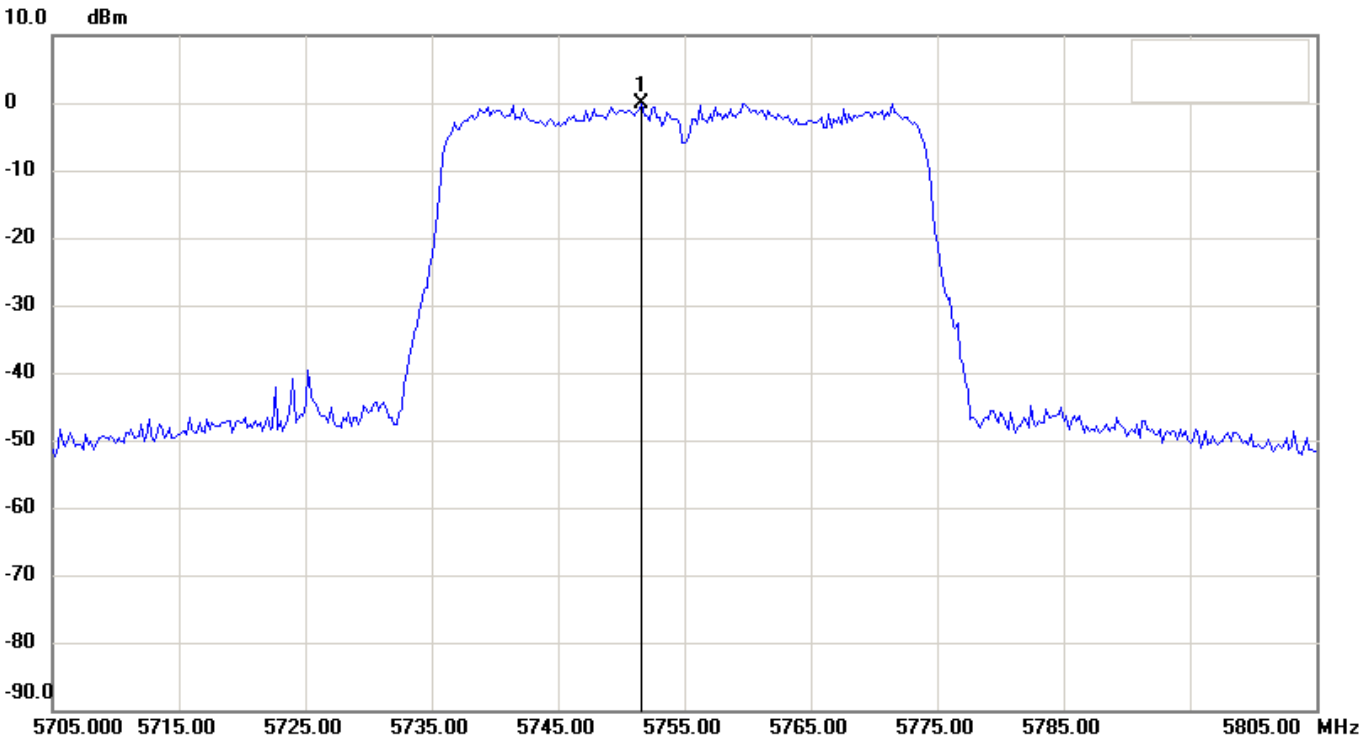
#5

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 151_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5751.60000	-0.03

File: 20-07-MAS-052_5-8ax40_Ant1

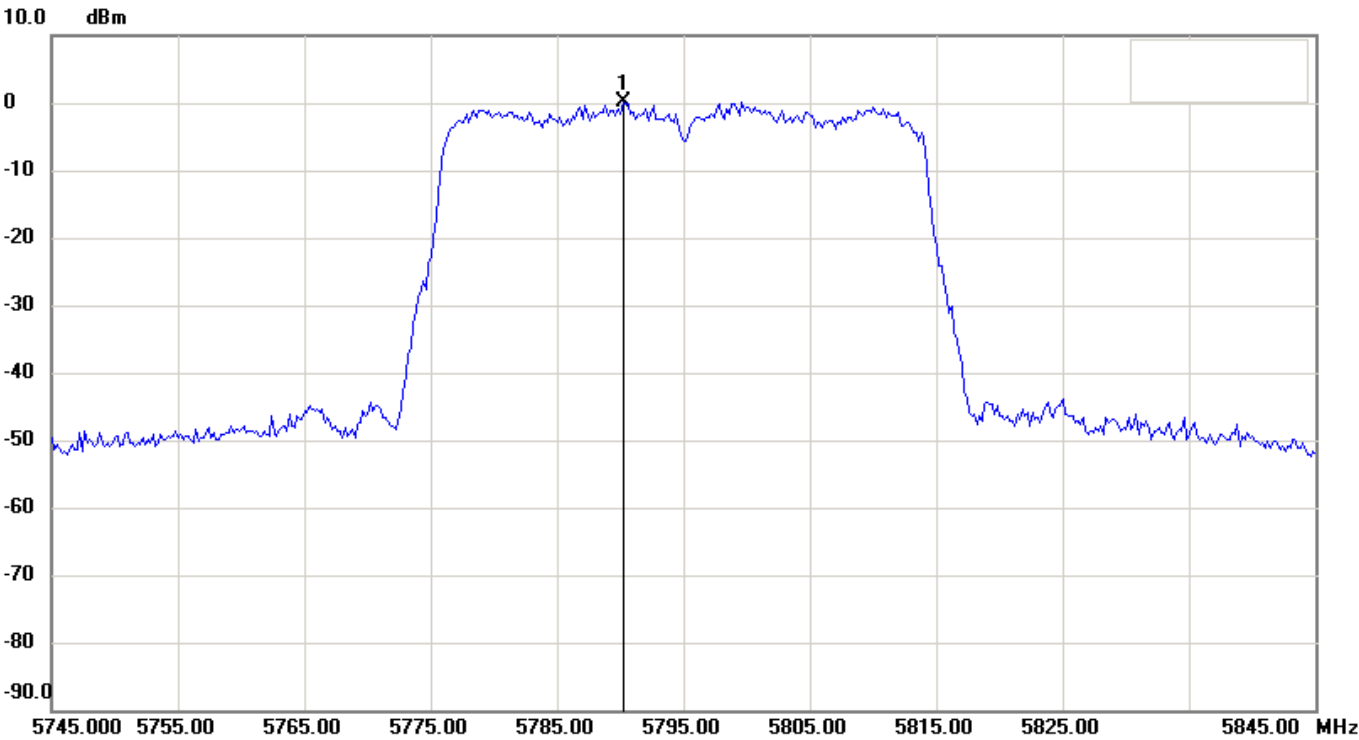
#13

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 159_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5790.20000	0.21

8.4.3.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-0.78	30	Page 140
H	0.61	30	Page 141

註：1. 繪圖資料請參考第 140-141 頁。

2. If antenna gain $\leq$ 6dBi, NCC Limit = 30dBm3. If antenna gain $>$ 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)4. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-8ax40_Ant2

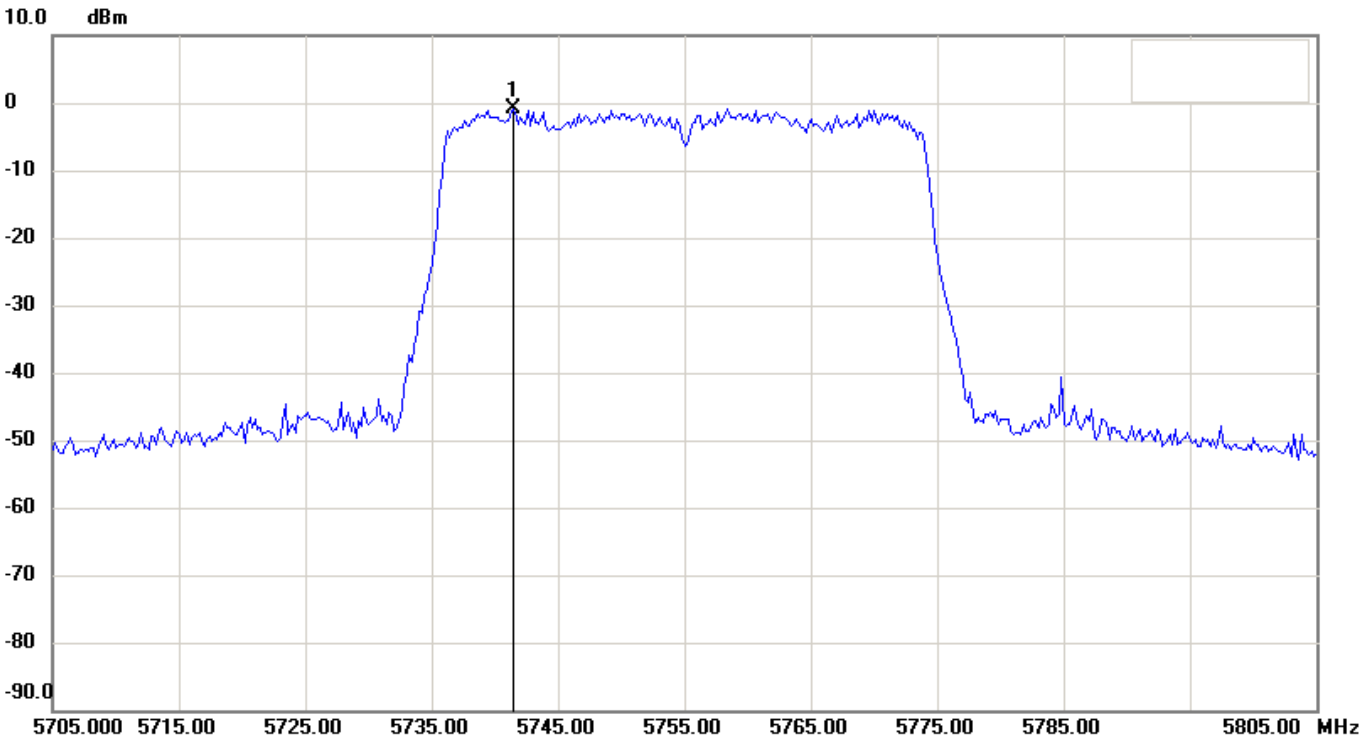
Site: RF-Cond01

#5

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 151_Power Density

RF Conducted

Sweep Time: 1ms

RBW: 500 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5741.40000	-0.78

File: 20-07-MAS-052_5-8ax40_Ant2

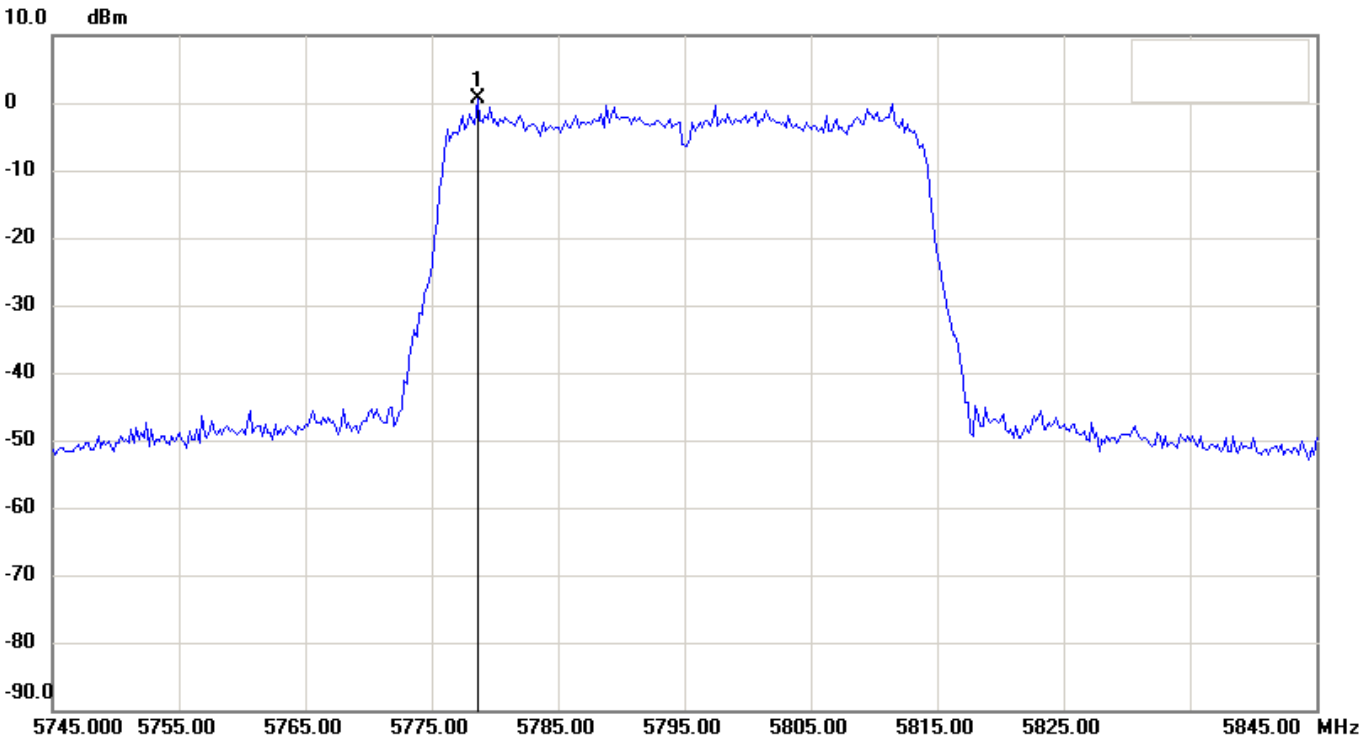
#13

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 159_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5778.60000	0.61

8.4.3.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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	-0.03	-0.78	2.62	28.71	-
H	0.21	0.61	3.42	28.71	-

註：1. If antenna gain $\leq$ 6dBi, NCC Limit = 30 dBm

2. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

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

8.4.4 調變技術: IEEE 802.11ax (80MHz)

8.4.4.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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	-2.38	30	Page 144

註：1. 繪圖資料請參考第 144 頁。

2. If antenna gain $\leq$ 6dBi, NCC Limit =30 dBm

3. If antenna gain > 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)

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

File: 20-07-MAS-052_5-8ax80_Ant1

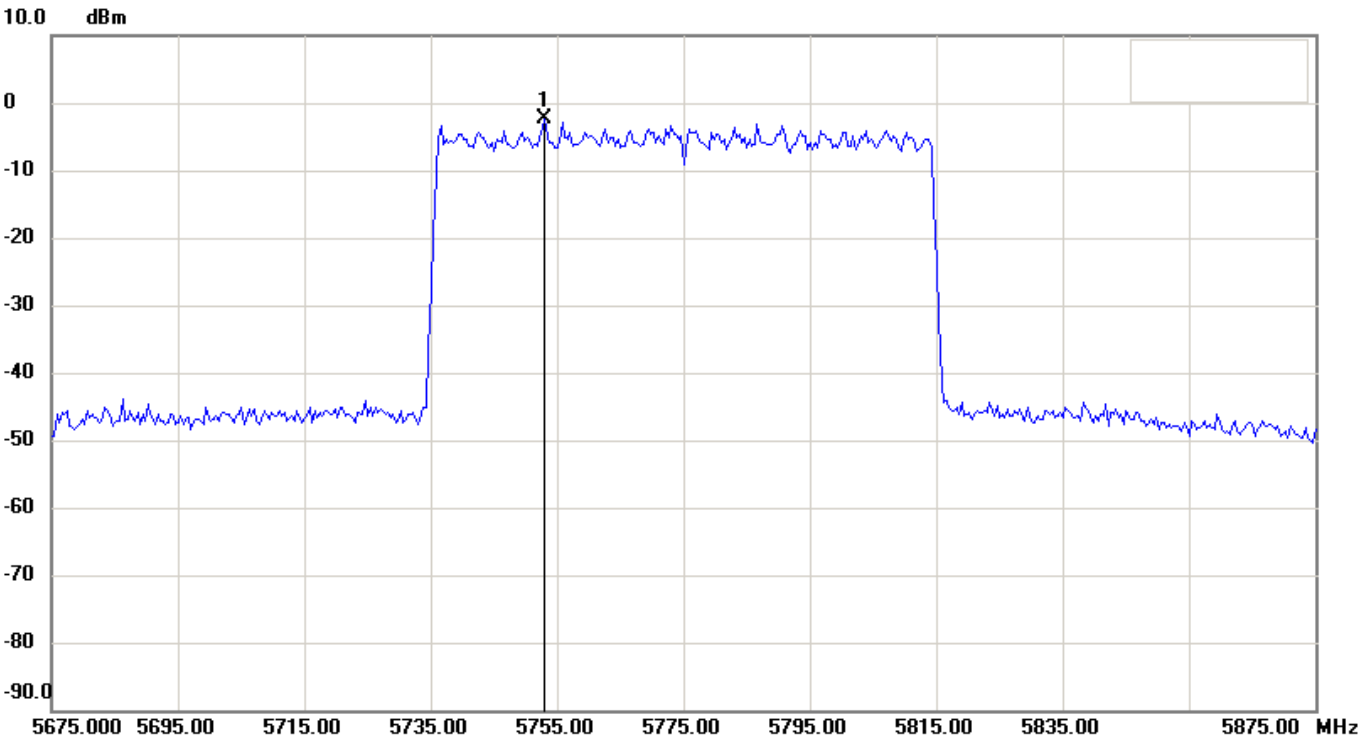
#5

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 155_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5753.00000	-2.38

8.4.4.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

天線增益最大值為 3.5 dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-3.78	30	Page 146

註：1. 繪圖資料請參考第 146 頁。

2. If antenna gain $\leq$ 6dBi, NCC Limit =30 dBm3. If antenna gain $>$ 6dBi, NCC Limit = 30dBm – (highest antenna gain – 6 dBi)4. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_5-8ax80_Ant2

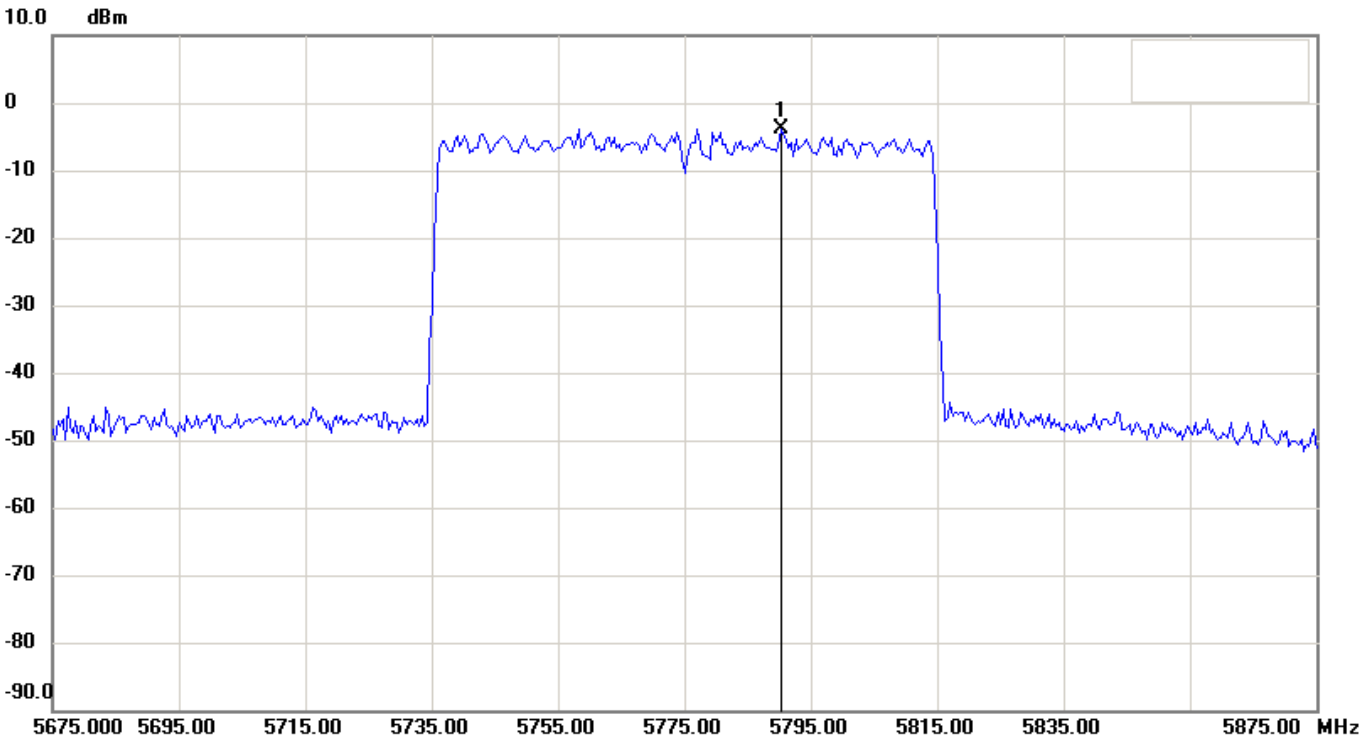
#5

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 155_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5790.20000	-3.78

8.4.4.3 CHAIN 0 + CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

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	-2.38	-3.78	-0.01	28.71	-

註：1. If antenna gain $\leq$ 6dBi, NCC Limit = 8 dBm

2. If antenna gain > 6dBi, NCC Limit = 8dBm – (highest antenna gain – 6 dBi)

3. 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3kHz功率密度皆低於限制值，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4.7.4.2節之規定，在 5.725 GHz～5.850 GHz 的頻段操作之發射器：所有頻帶邊緣向外 5 MHz 內頻率之發射，有效等向輻射功率(EIRP) ≤ 27 dBm/MHz～15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外 5 MHz～25 MHz，有效等向輻射功率(EIRP) ≤ 15.6 dBm/MHz～10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 25 MHz～75 MHz，有效等向輻射功率(EIRP) ≤ 10 dBm/MHz～-27 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外 ≥ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) ≤ -27 dBm/MHz。

此外落於國家通訊傳播委員會低功率射頻電機技術規範第2.7節禁用頻段之輻射，應符合國家通訊傳播委員會低功率射頻電機技術規範第2.8節之規定。

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)

測試工程師: 羅世勇

9.4.1 調變技術: IEEE 802.11a

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

註：1. 繪圖資料請參考第 149-156 頁。

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

File: 20-07-MAS-052_5-8a_Ant1

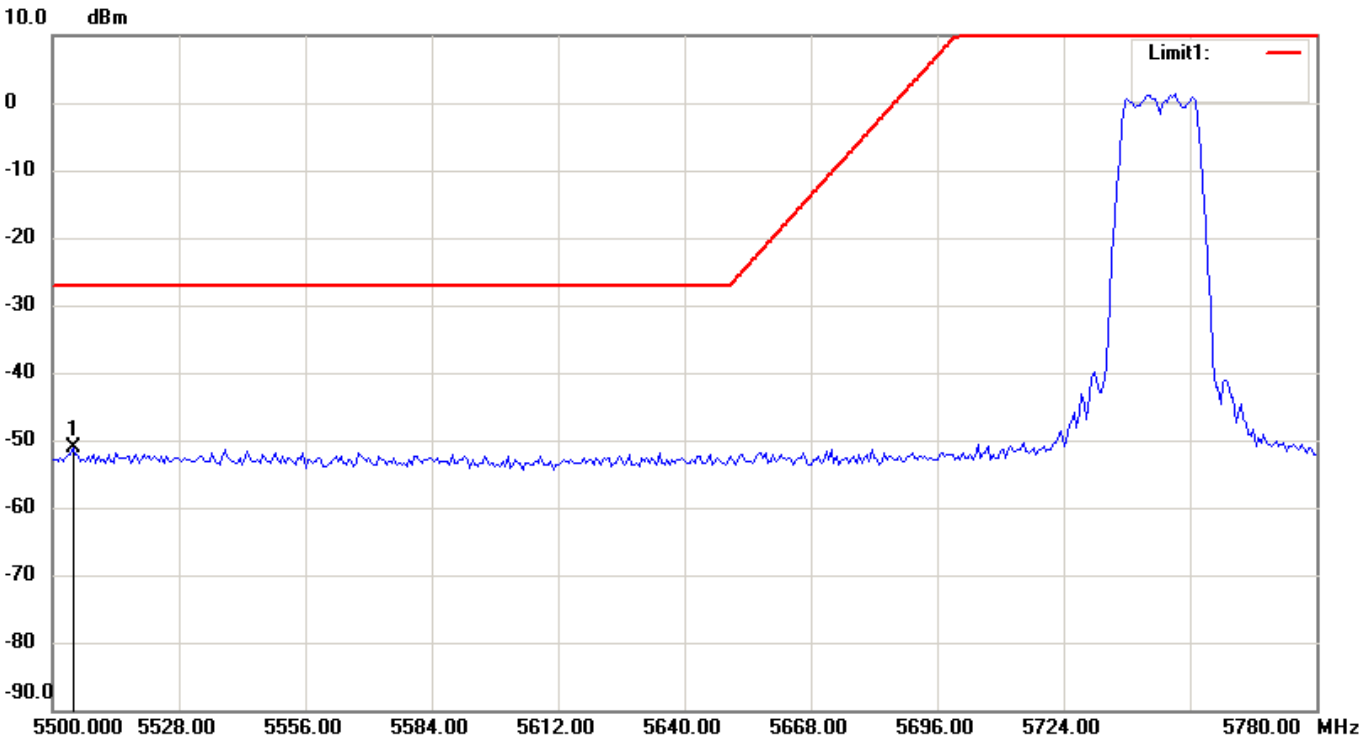
#8

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a Channel 149_Low_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5504.48000	-51.19

File: 20-07-MAS-052_5-8a_Ant1

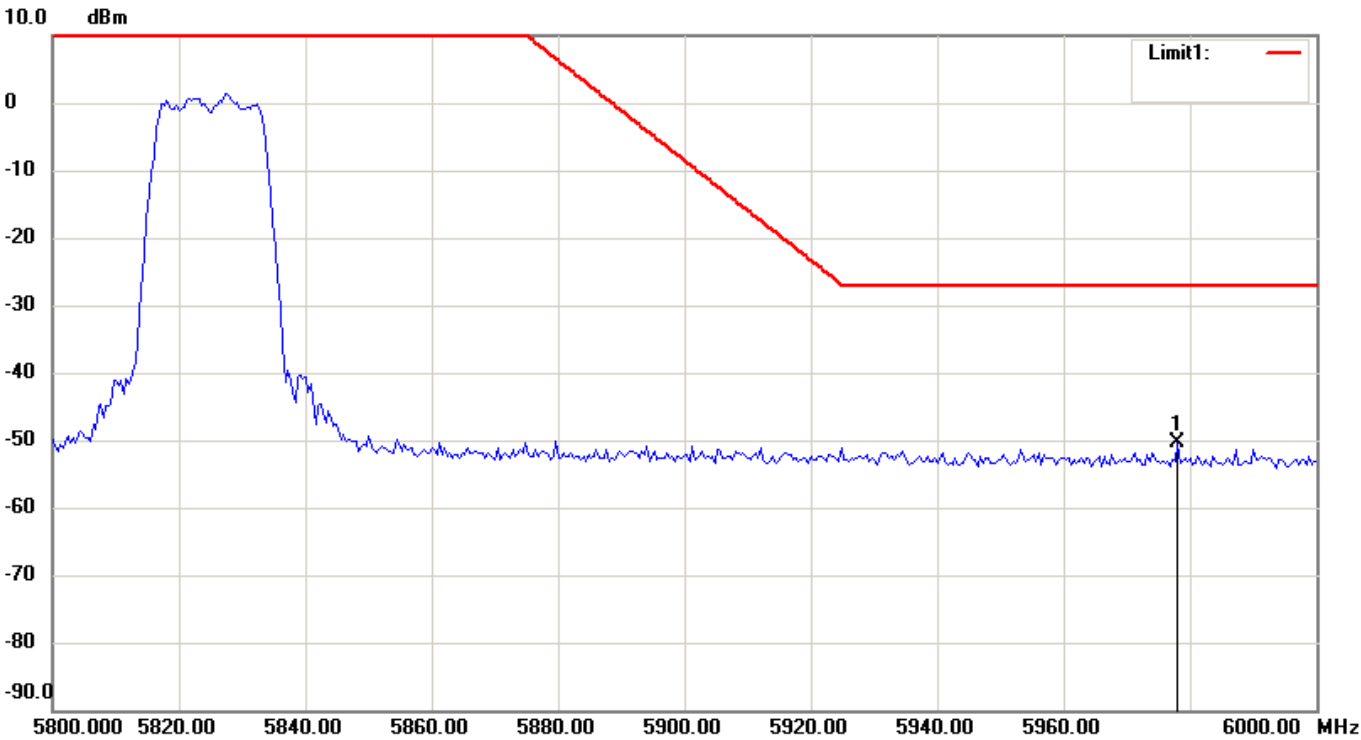
#23

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a Channel 165_High_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5978.00000	-50.28

File: 20-07-MAS-052_5-8a_Ant1

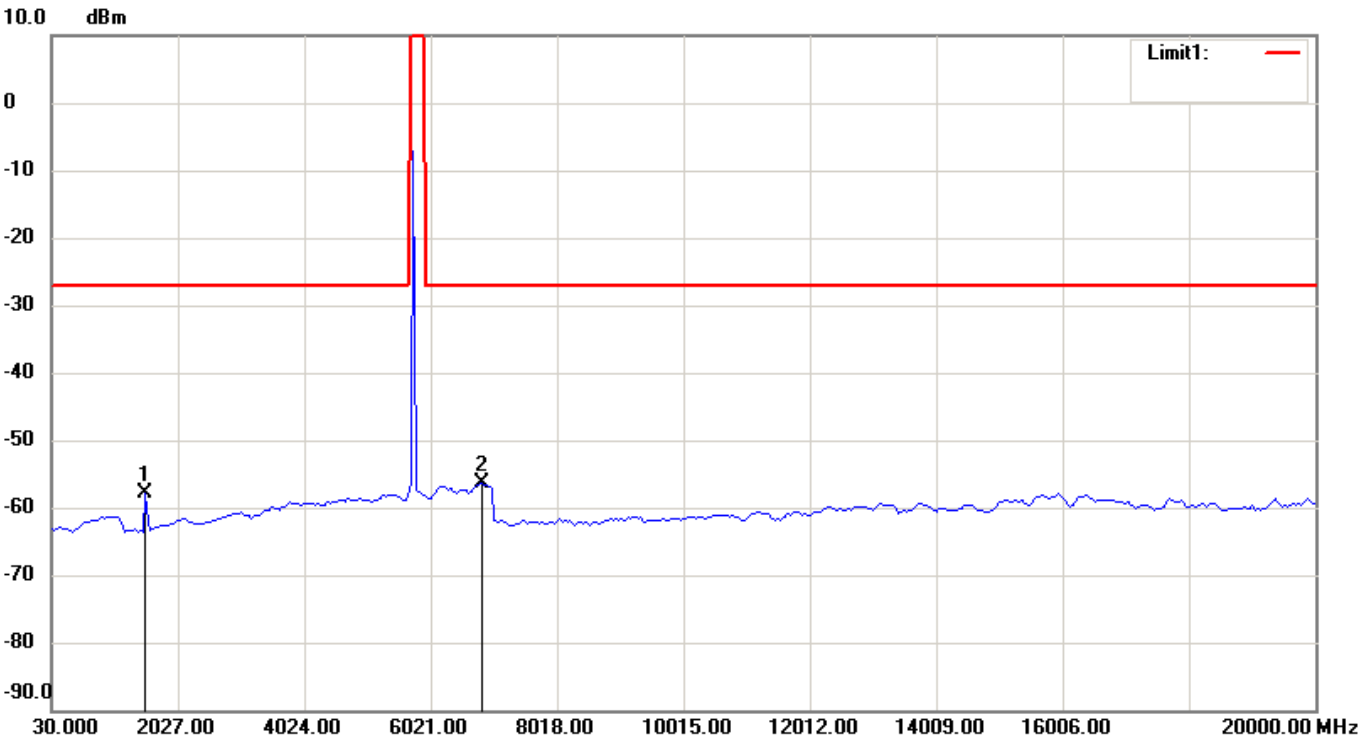
Site: RF-Cond01

#6

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 149_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	1507.78000	-57.93
2	6819.80000	-56.47

File: 20-07-MAS-052_5-8a_Ant1

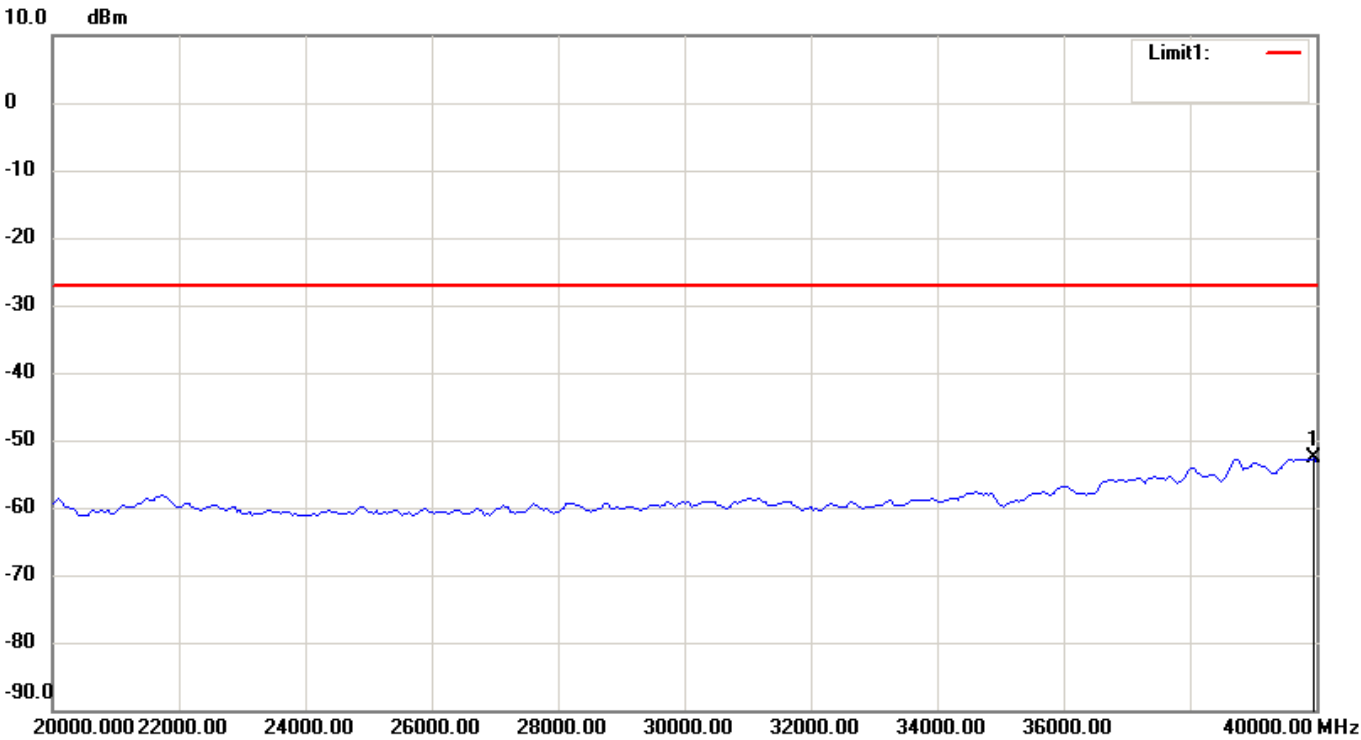
#7

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 149_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	-52.74

File: 20-07-MAS-052_5-8a_Ant1

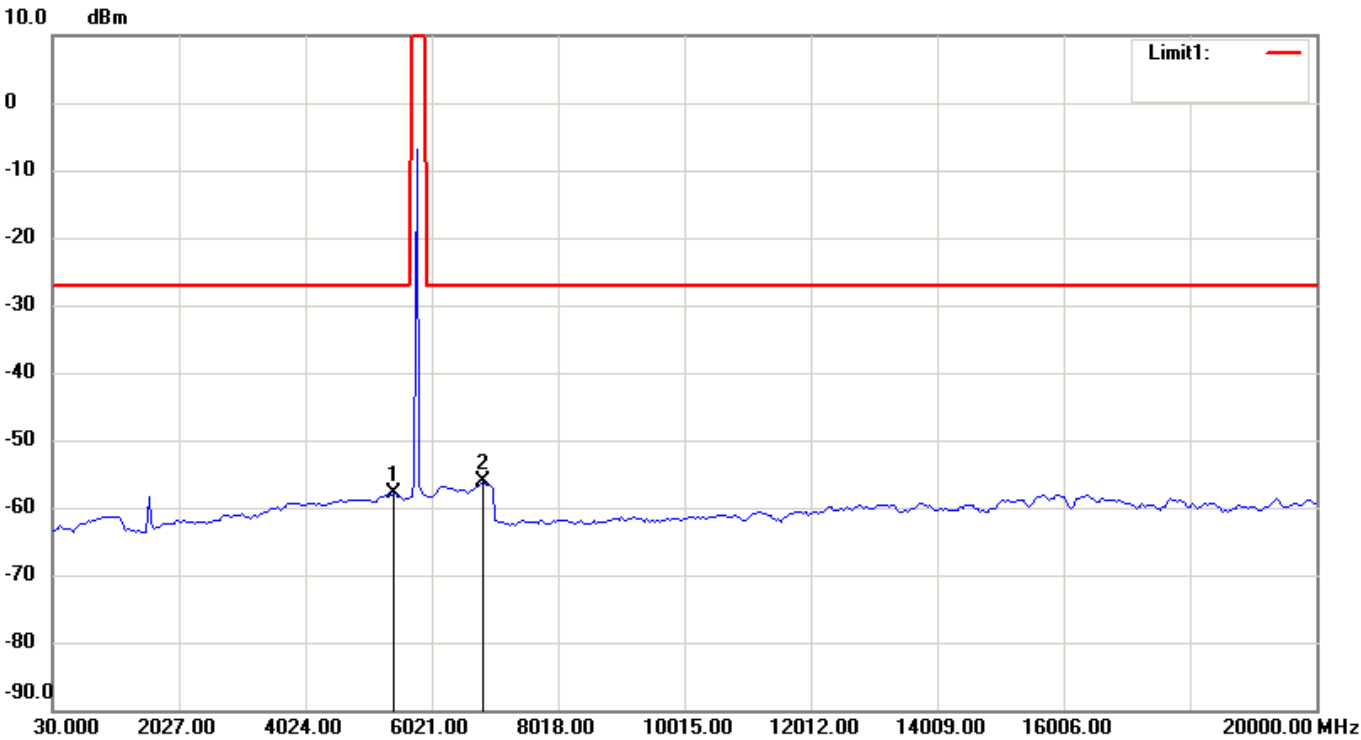
#14

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 157_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5421.90000	-57.87
2	6819.80000	-56.23

File: 20-07-MAS-052_5-8a_Ant1

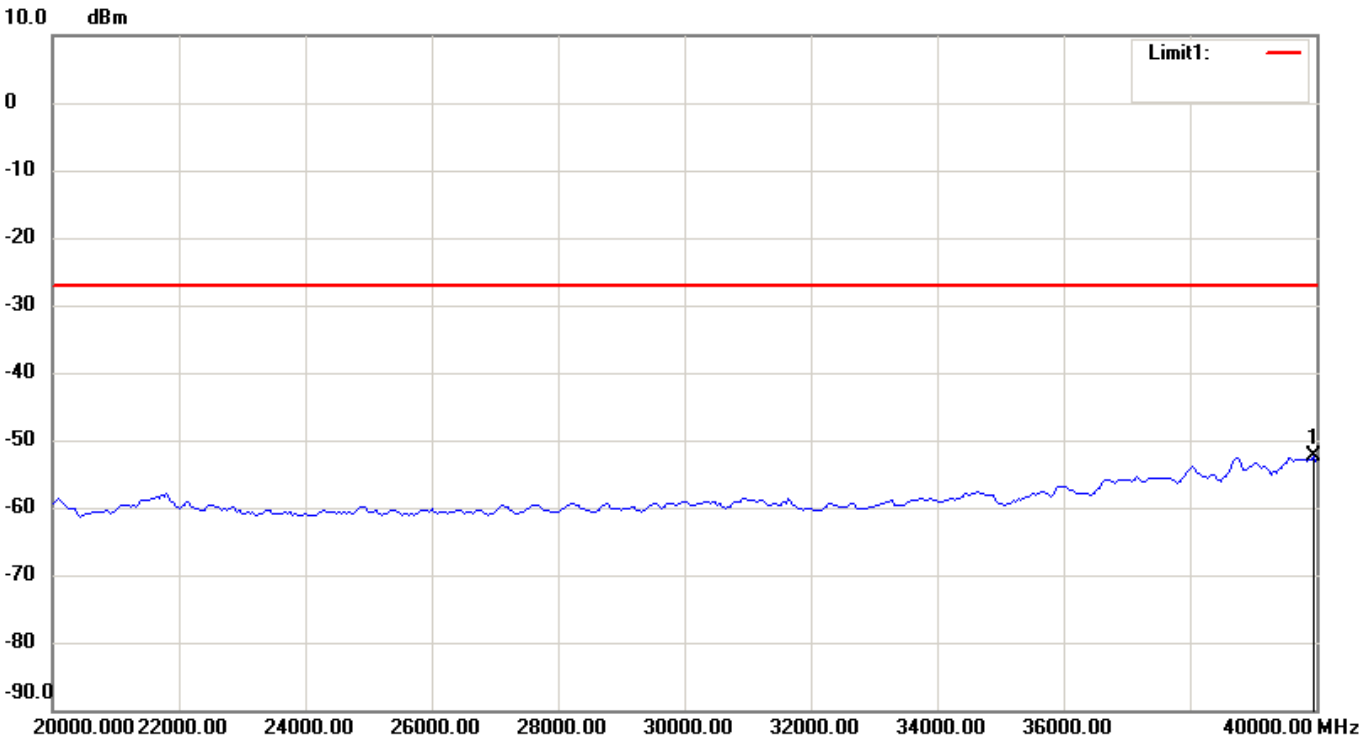
#15

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 157_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	-52.49

File: 20-07-MAS-052_5-8a_Ant1

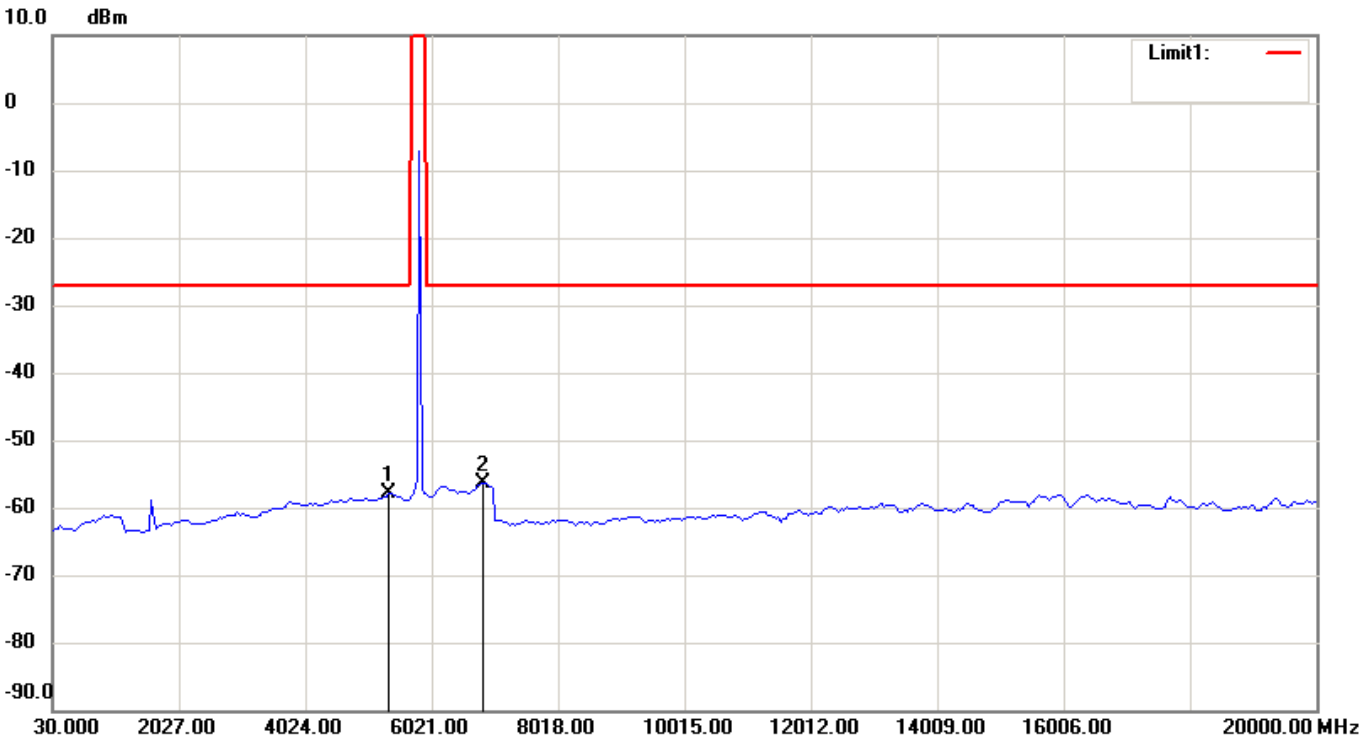
#21

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 165_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5342.02000	-57.86
2	6819.80000	-56.38

File: 20-07-MAS-052_5-8a_Ant1

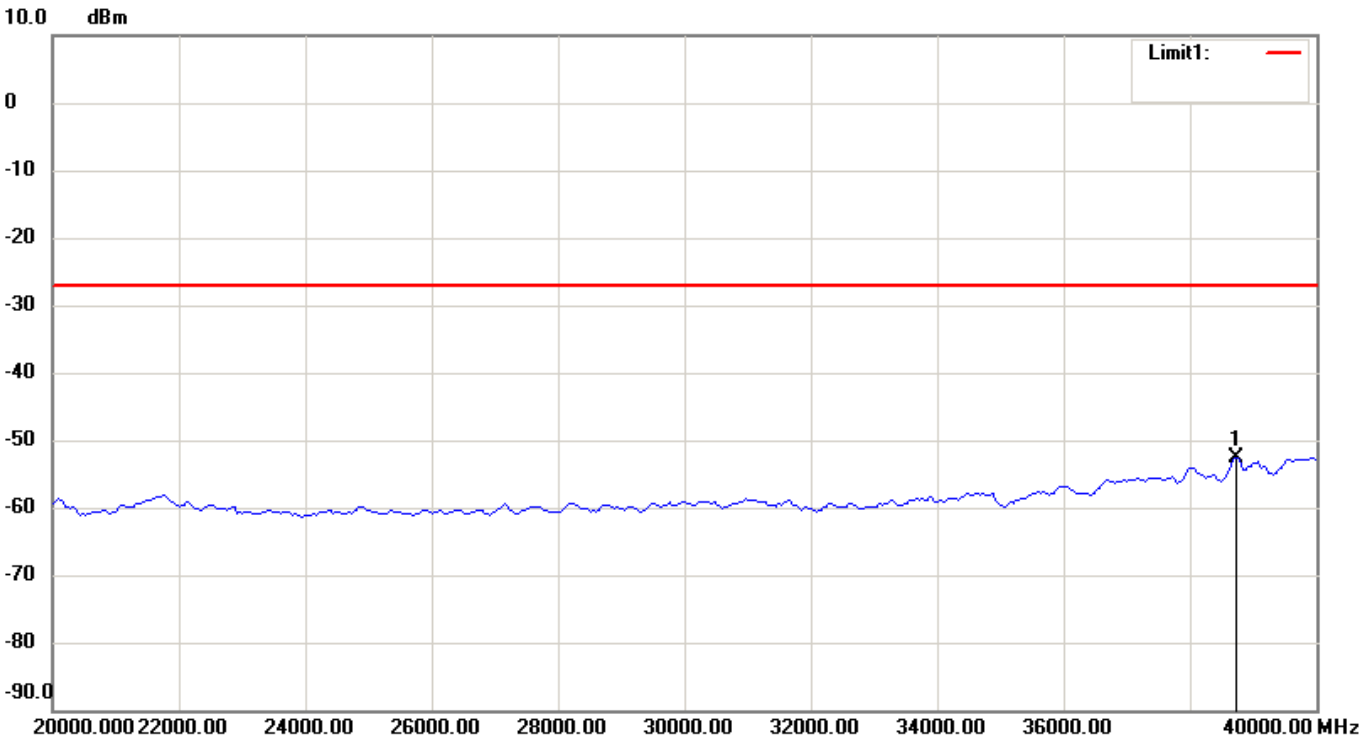
#22

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 165_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	-52.62

9.4.2 調變技術: IEEE 802.11ax (20MHz)

9.4.2.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

- 註：1. 繪圖資料請參考第 158-165 頁。
2. 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_5-8ax20_Ant1

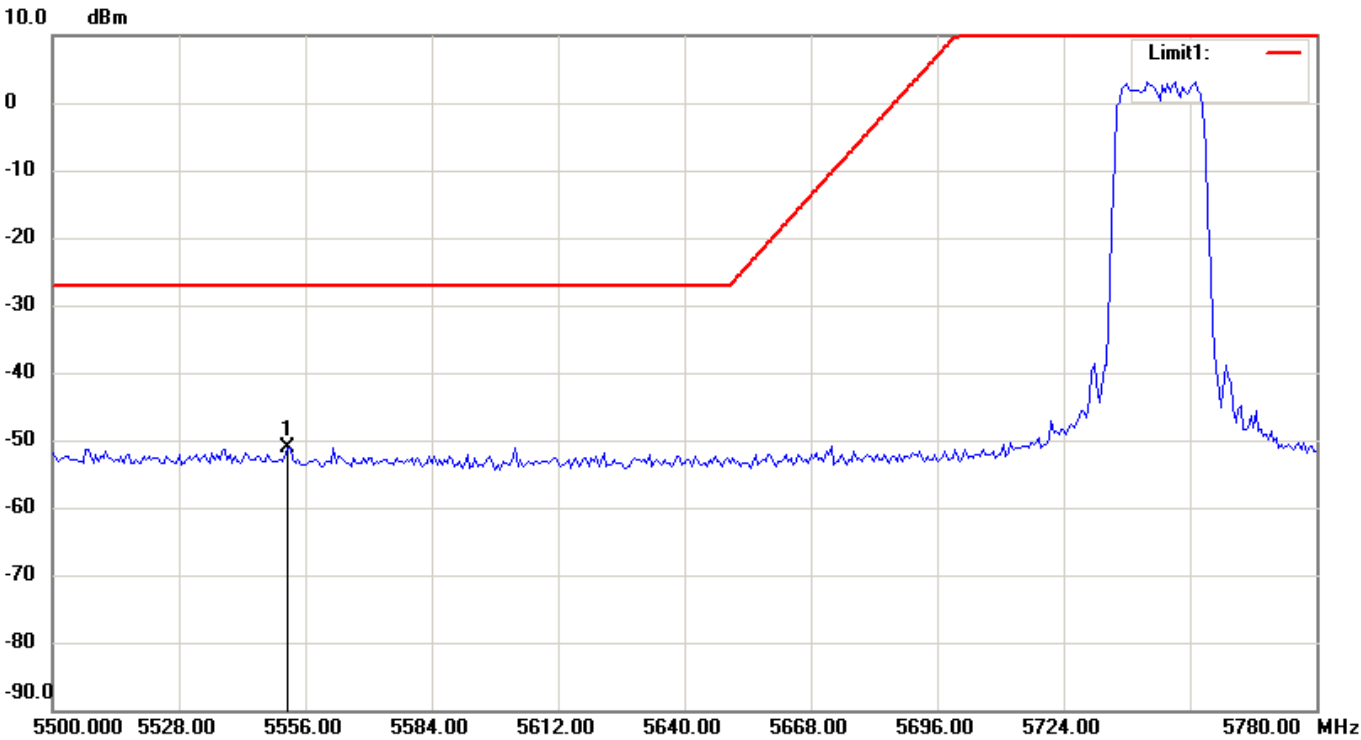
#8

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-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_802.11ax20 Channel 149_Low_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5552.08000	-51.05

File: 20-07-MAS-052_5-8ax20_Ant1

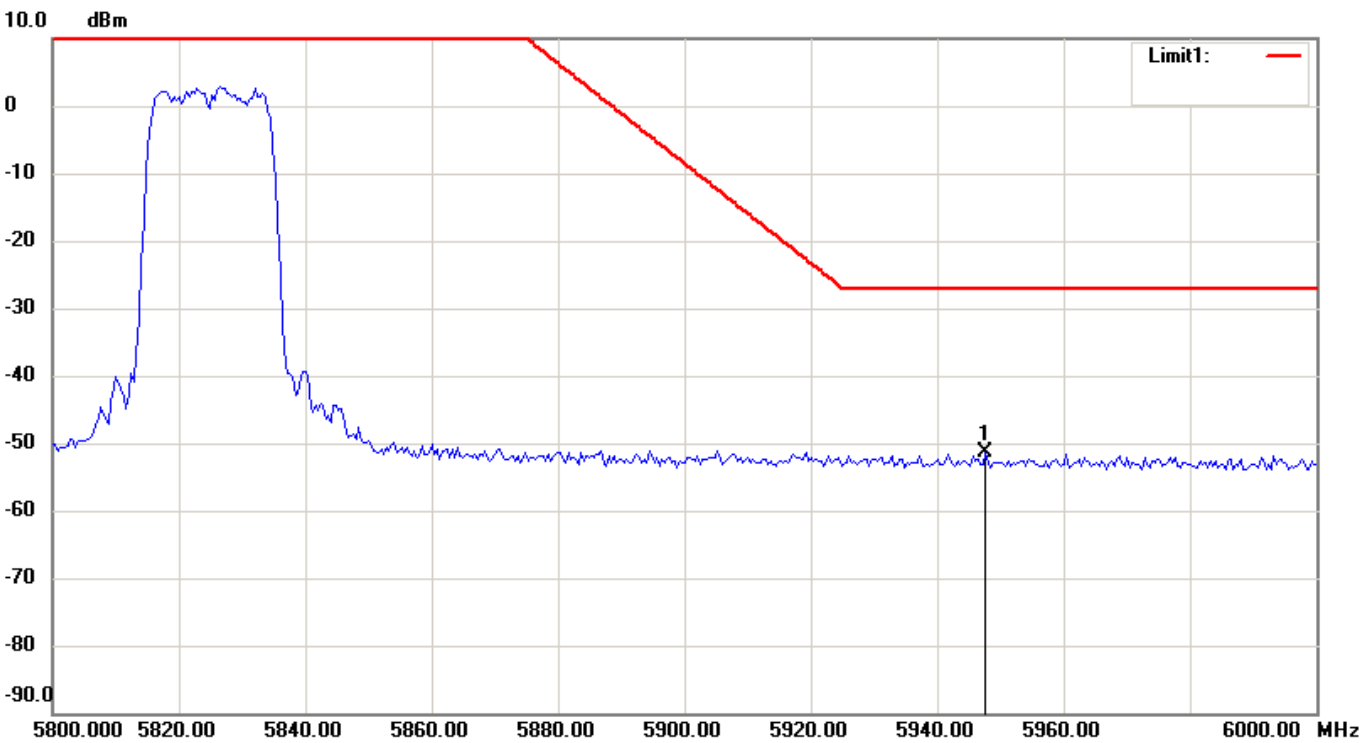
#23

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-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_802.11ax20 Channel 165_High_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5947.60000	-51.47

File: 20-07-MAS-052_5-8ax20_Ant1

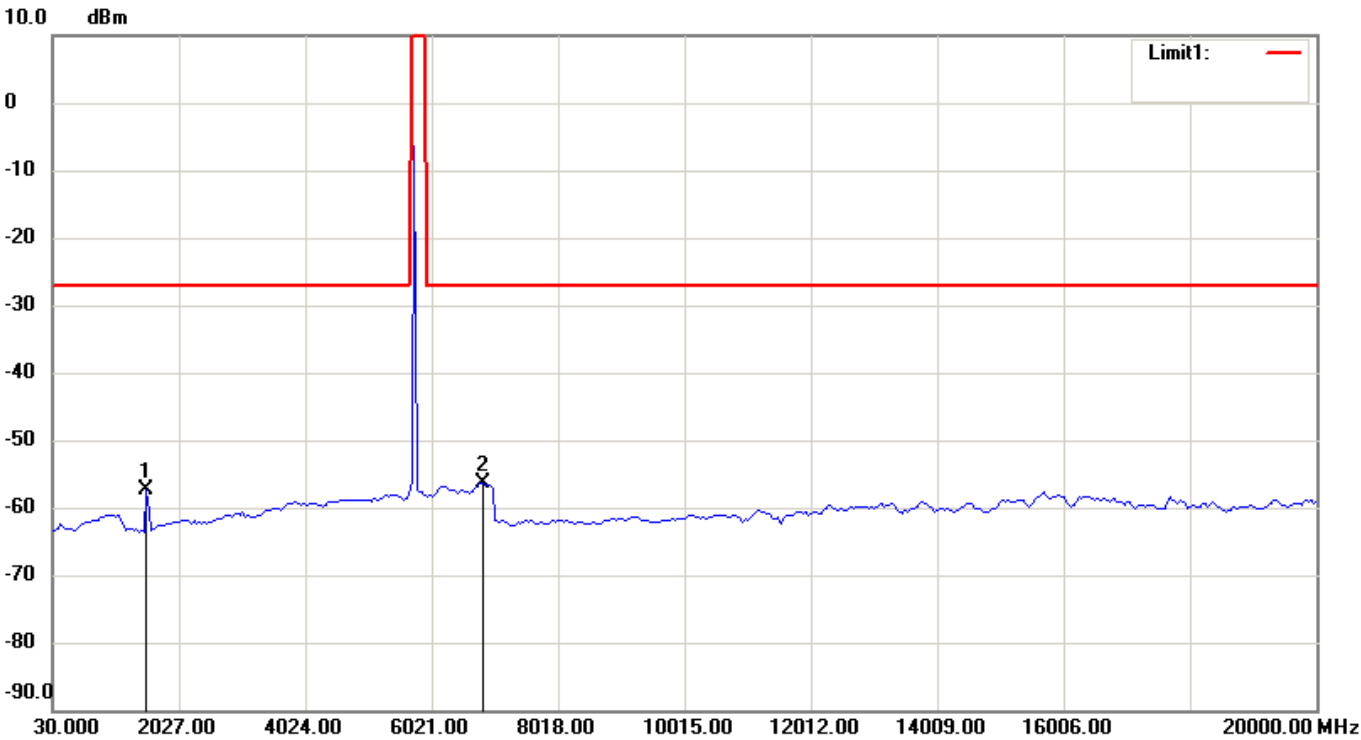
#6

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 79.9ms Att.: 15dB

Model: CFI-1018A

RBW: 1000 KHz VBW: 1000 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax20_Channel 149_Spurious-1

No.	Frequency(MHz)	Level(dBm)
1	1507.78000	-57.32
2	6819.80000	-56.35

File: 20-07-MAS-052_5-8ax20_Ant1

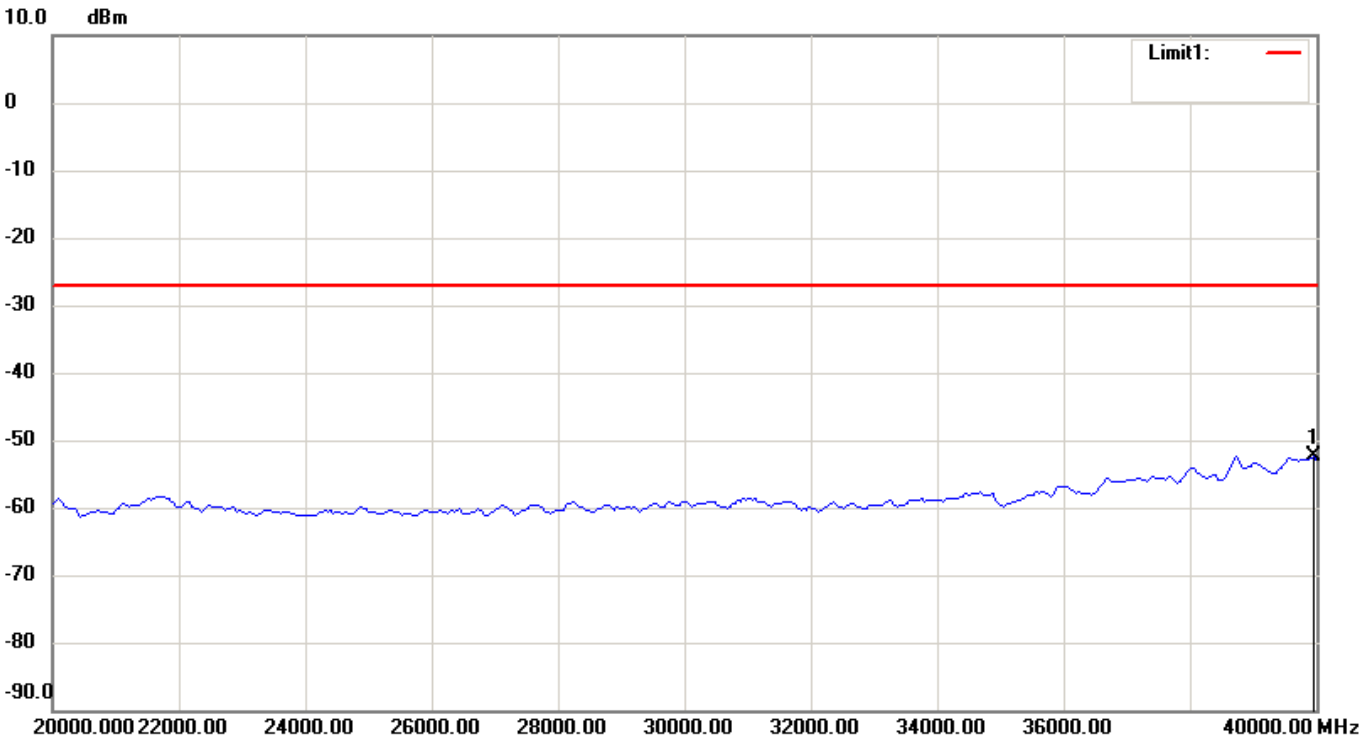
Site: RF-Cond01

#7

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 149_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	-52.45

File: 20-07-MAS-052_5-8ax20_Ant1

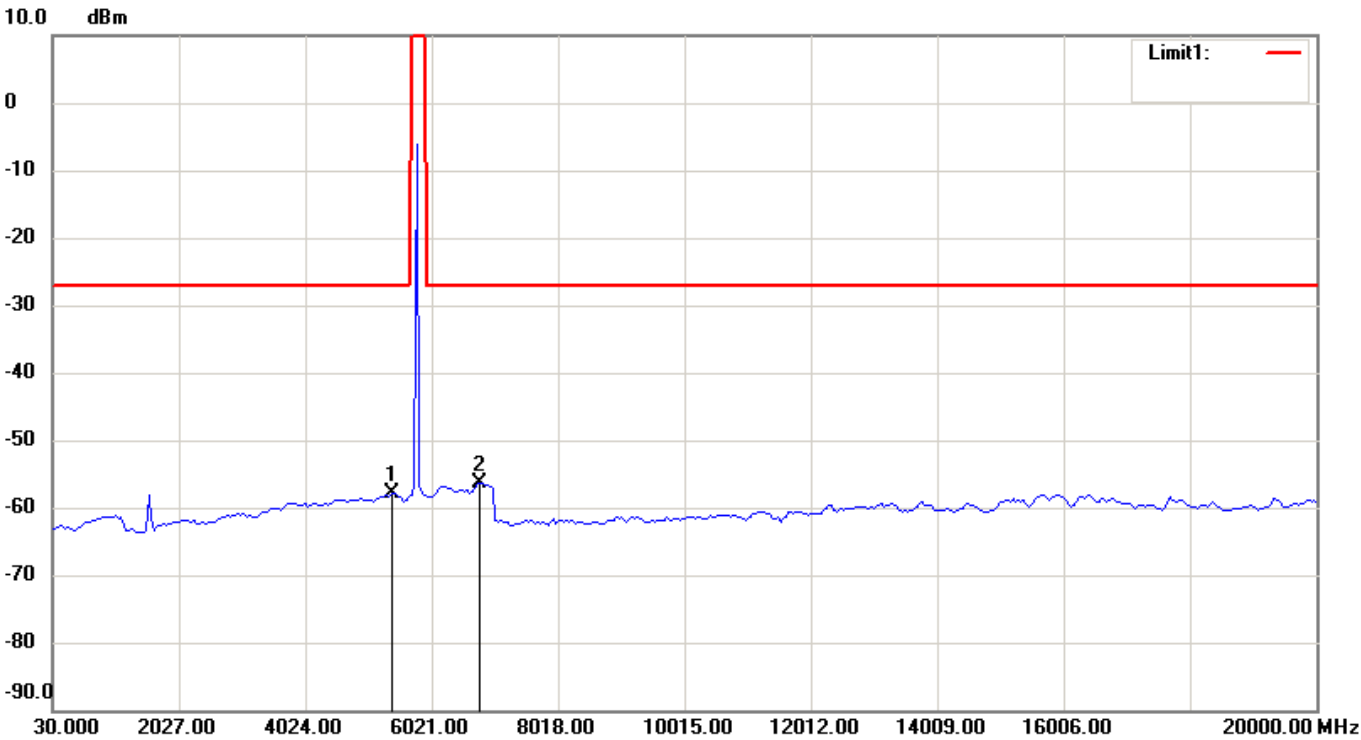
#14

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 79.9ms Att.: 15dB

Model: CFI-1018A

RBW: 1000 KHz VBW: 1000 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax20_Channel 157_Spurious-1

No.	Frequency(MHz)	Level(dBm)
1	5381.96000	-57.89
2	6779.86000	-56.40

File: 20-07-MAS-052_5-8ax20_Ant1

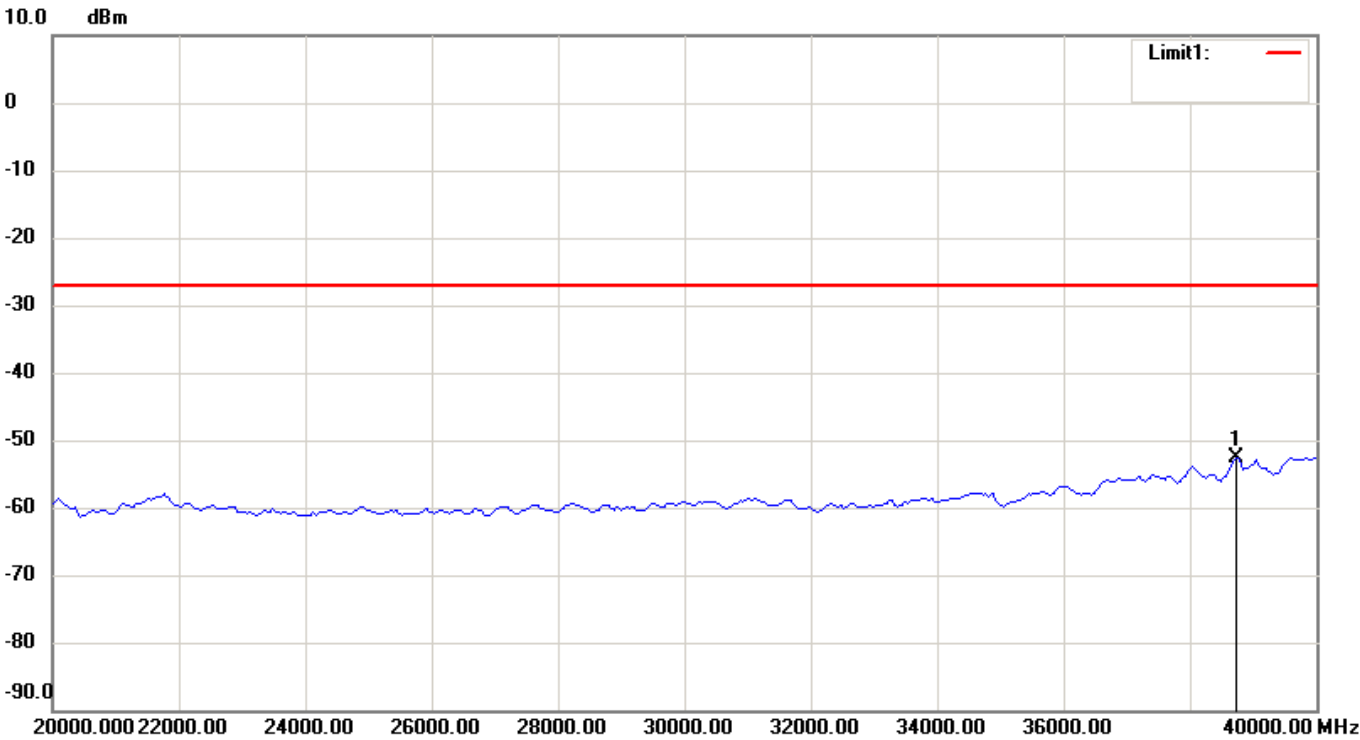
#15

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 157_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	-52.52

File: 20-07-MAS-052_5-8ax20_Ant1

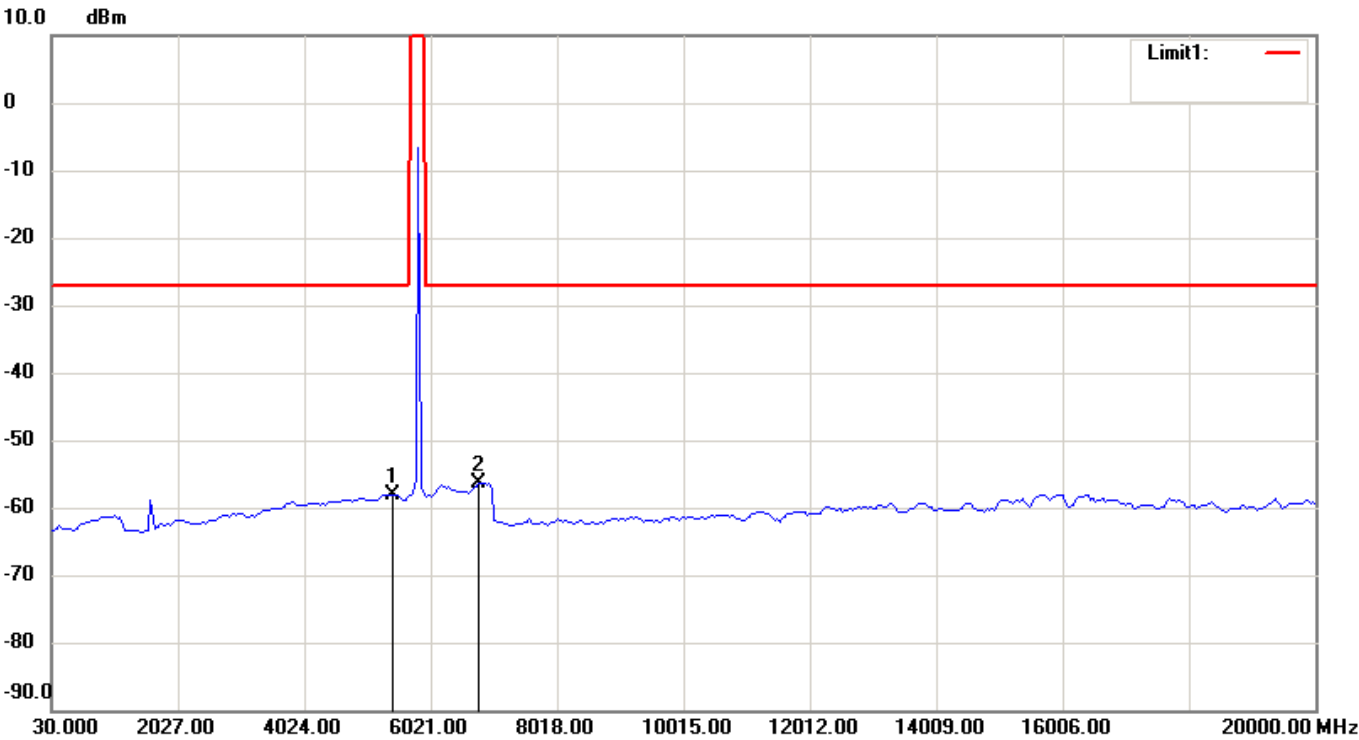
#21

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 165_Spurious-1

RF Conducted

Sweep Time: 79.9ms Att.: 15dB

RBW: 1000 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5421.90000	-58.00
2	6779.86000	-56.35

File: 20-07-MAS-052_5-8ax20_Ant1

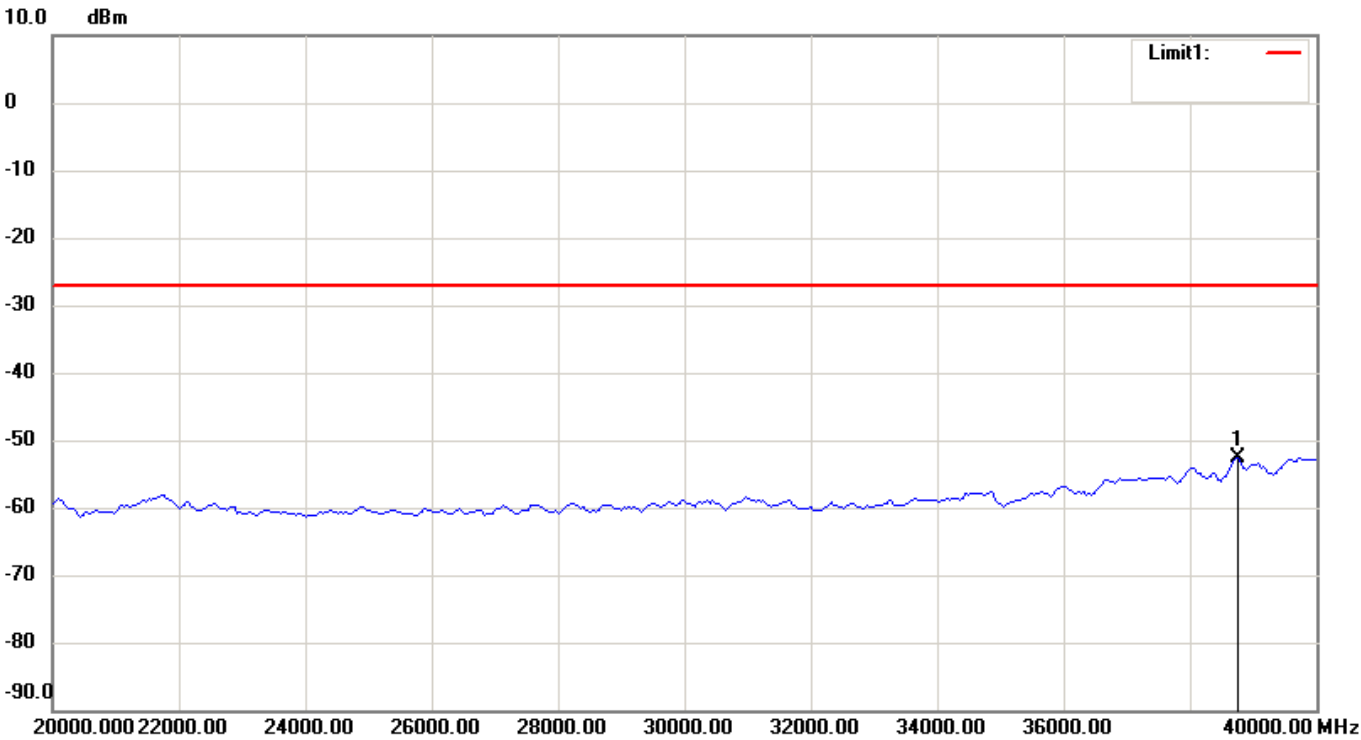
#22

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-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_802.11ax20_Channel 165_Spurious-2

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.55

9.4.2.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

註：1. 繪圖資料請參考第 167-174 頁。

2. 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_5-8ax20_Ant2

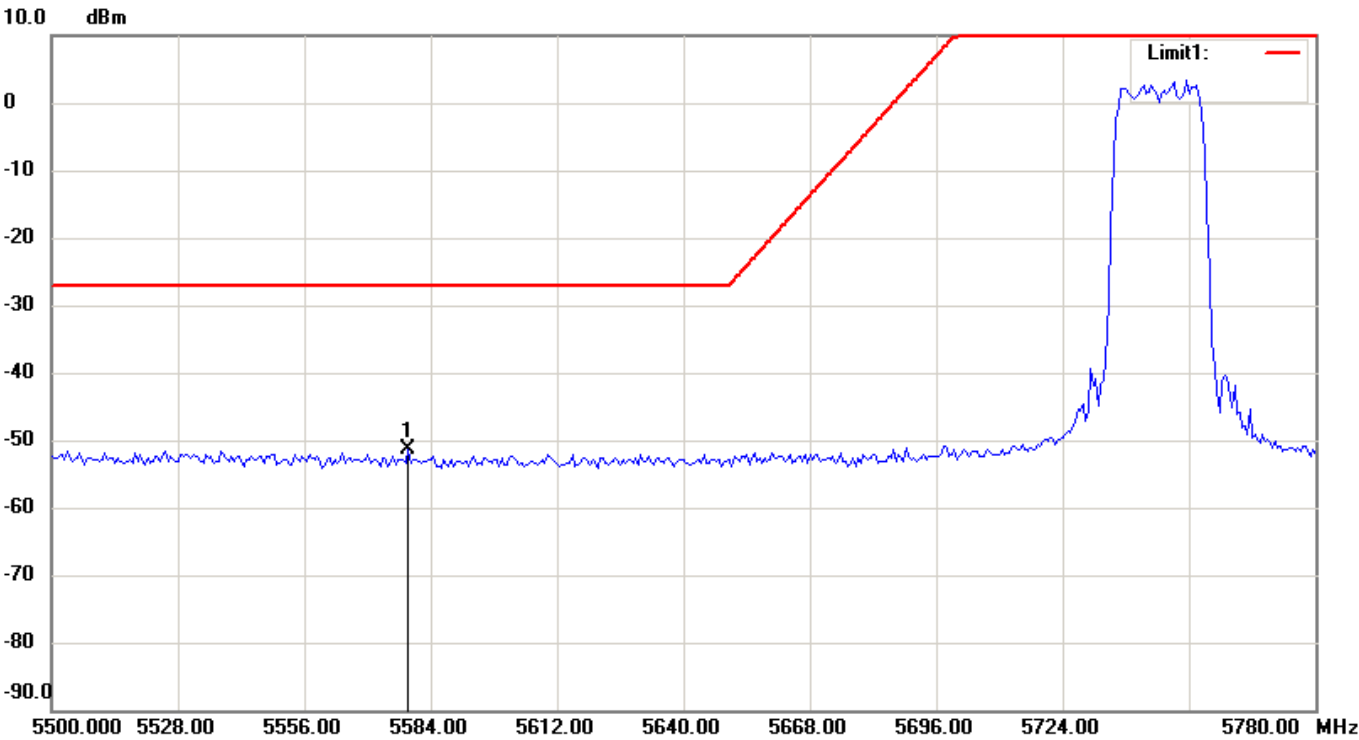
Site: RF-Cond01

#8

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 149_Low_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5578.96000	-51.35

File: 20-07-MAS-052_5-8ax20_Ant2

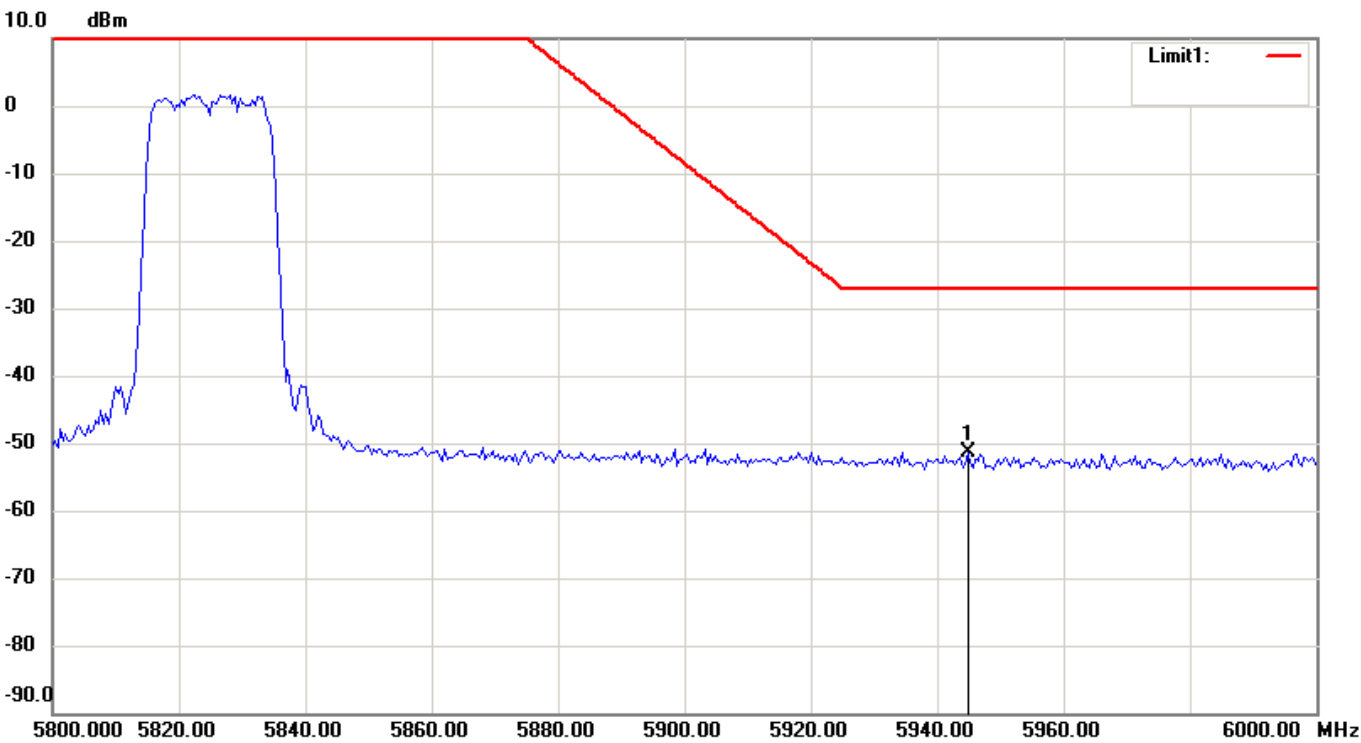
#23

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 165_High_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5944.80000	-51.44

File: 20-07-MAS-052_5-8ax20_Ant2

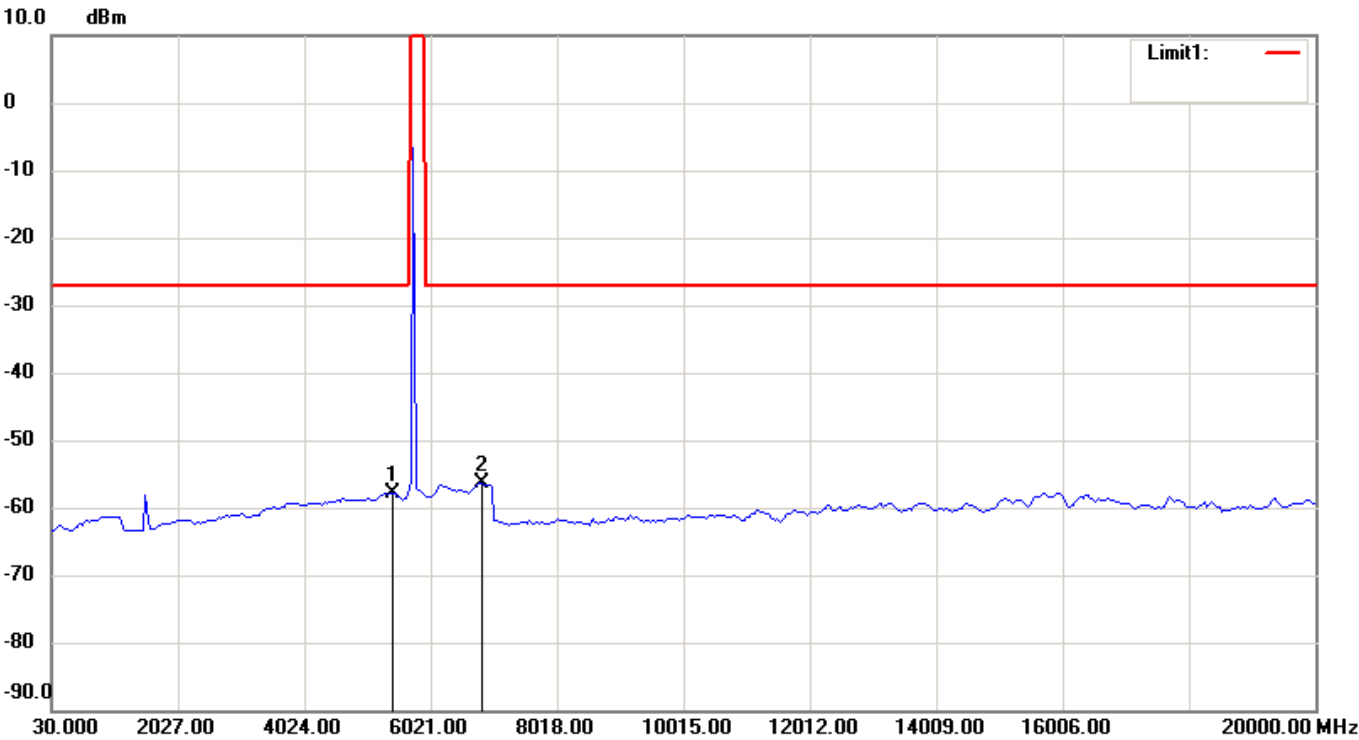
#6

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 149_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5421.90000	-57.88
2	6819.80000	-56.39

File: 20-07-MAS-052_5-8ax20_Ant2

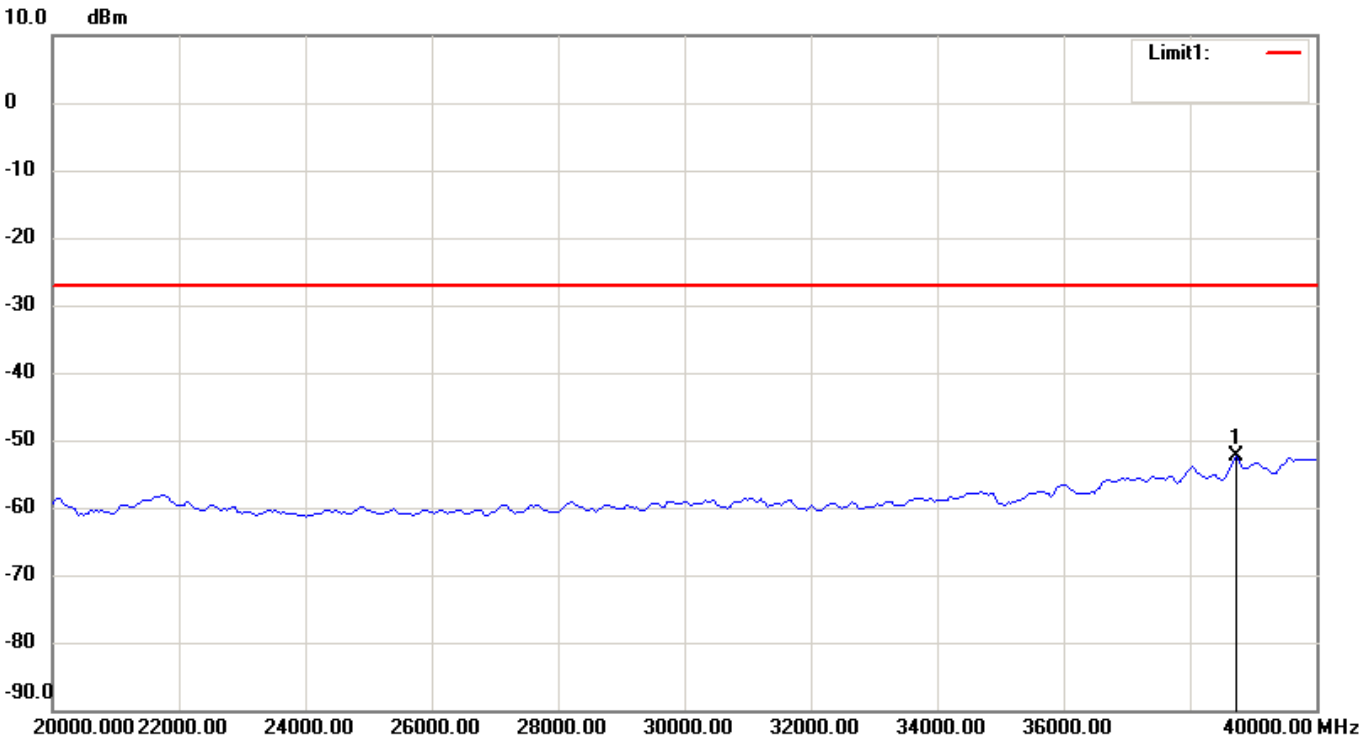
Site: RF-Cond01

#7

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 149_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	-52.41

File: 20-07-MAS-052_5-8ax20_Ant2

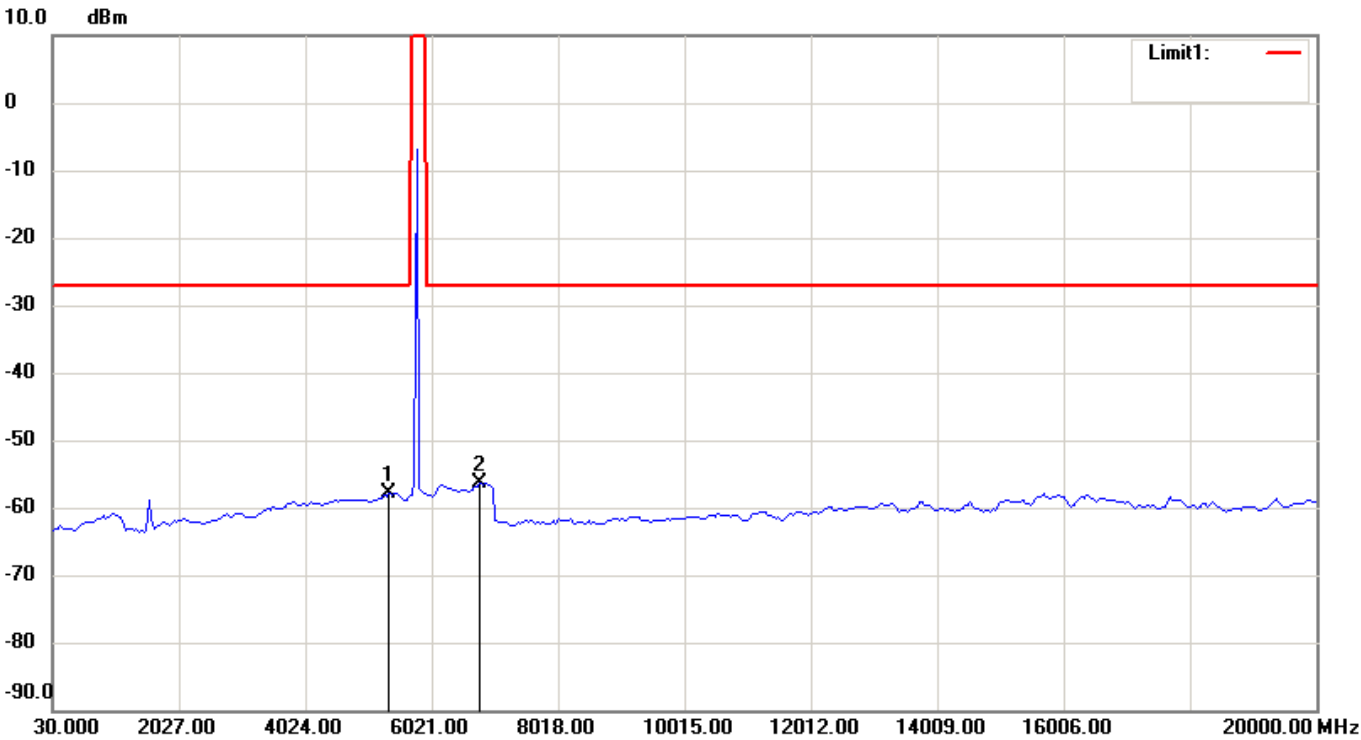
#14

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 157_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5342.02000	-57.91
2	6779.86000	-56.35

File: 20-07-MAS-052_5-8ax20_Ant2

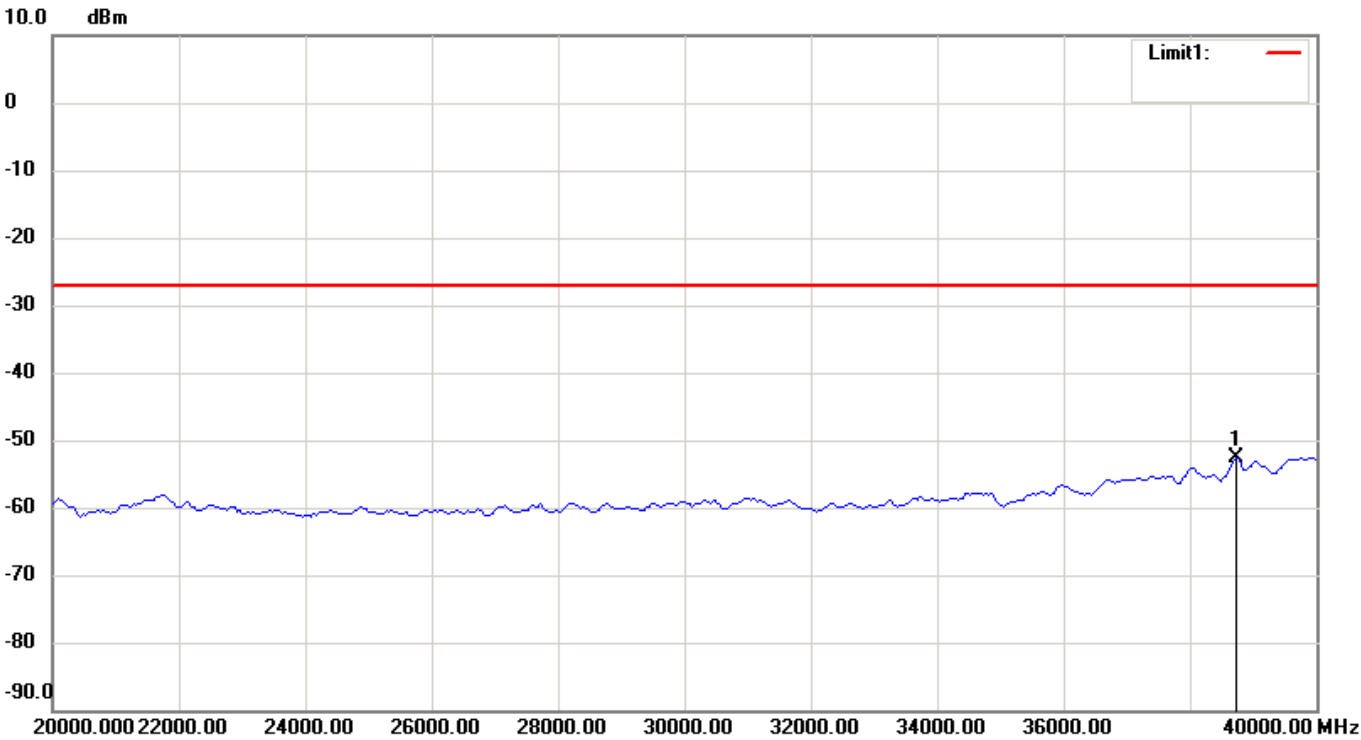
Site: RF-Cond01

#15

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 157_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	-52.53

File: 20-07-MAS-052_5-8ax20_Ant2

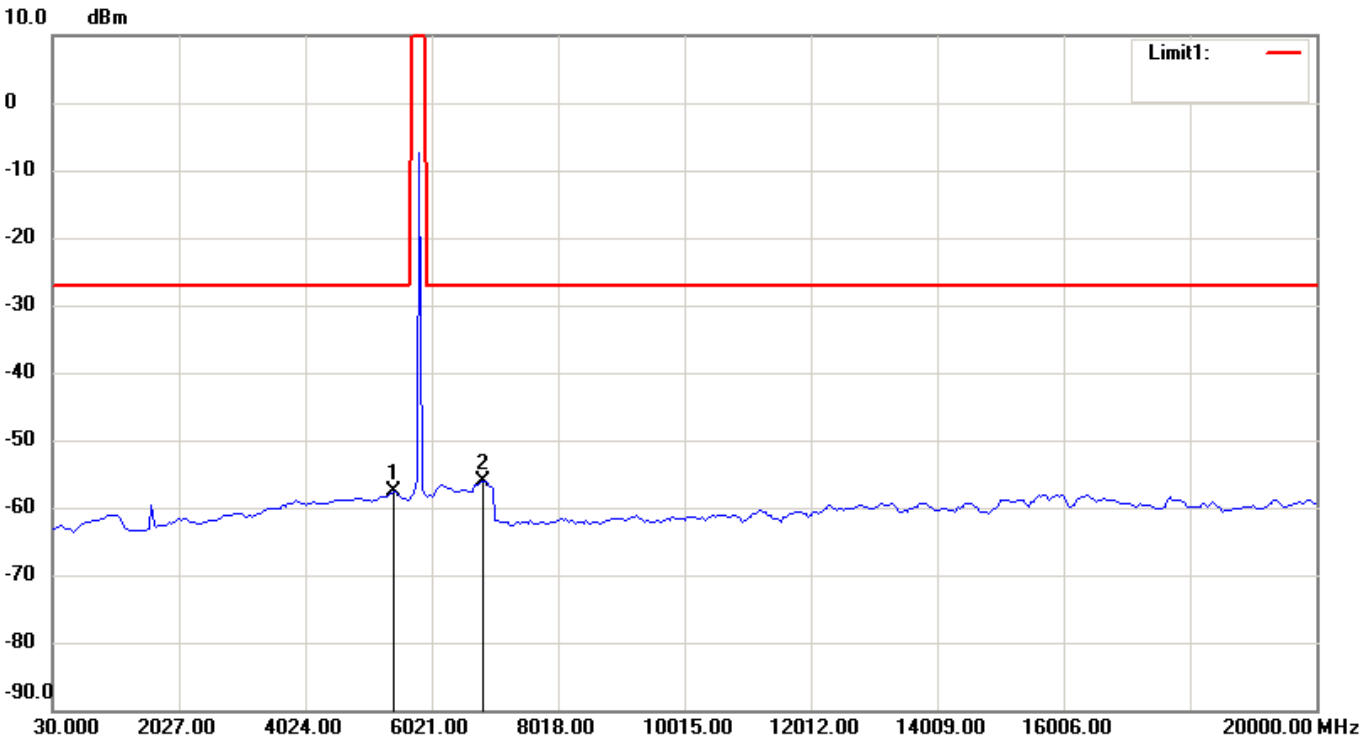
Site: RF-Cond01

#21

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 165_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5421.90000	-57.65
2	6819.80000	-56.02

File: 20-07-MAS-052_5-8ax20_Ant2

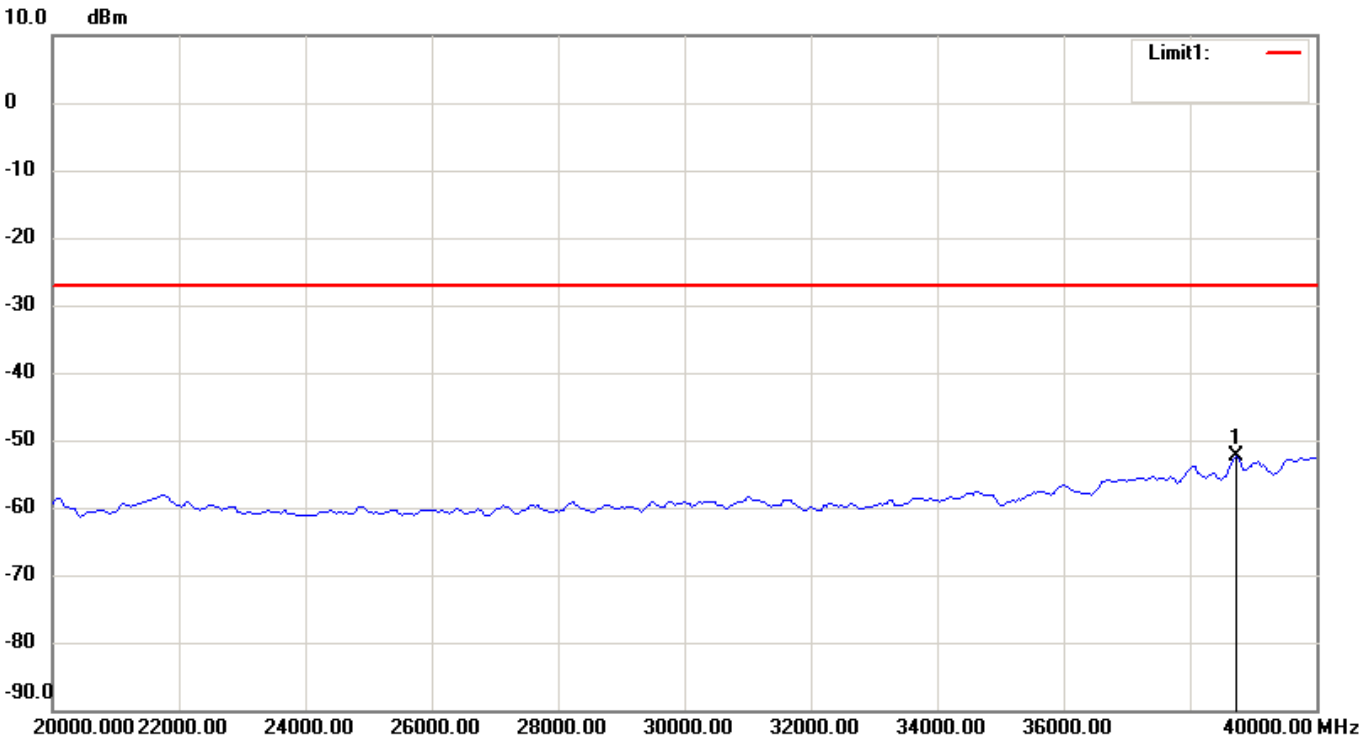
Site: RF-Cond01

#22

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 165_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	-52.49

9.4.3 調變技術: IEEE 802.11ax (40MHz)

9.4.3.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

註：1. 繪圖資料請參考第 176-181 頁。

2. 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_5-8ax40_Ant1

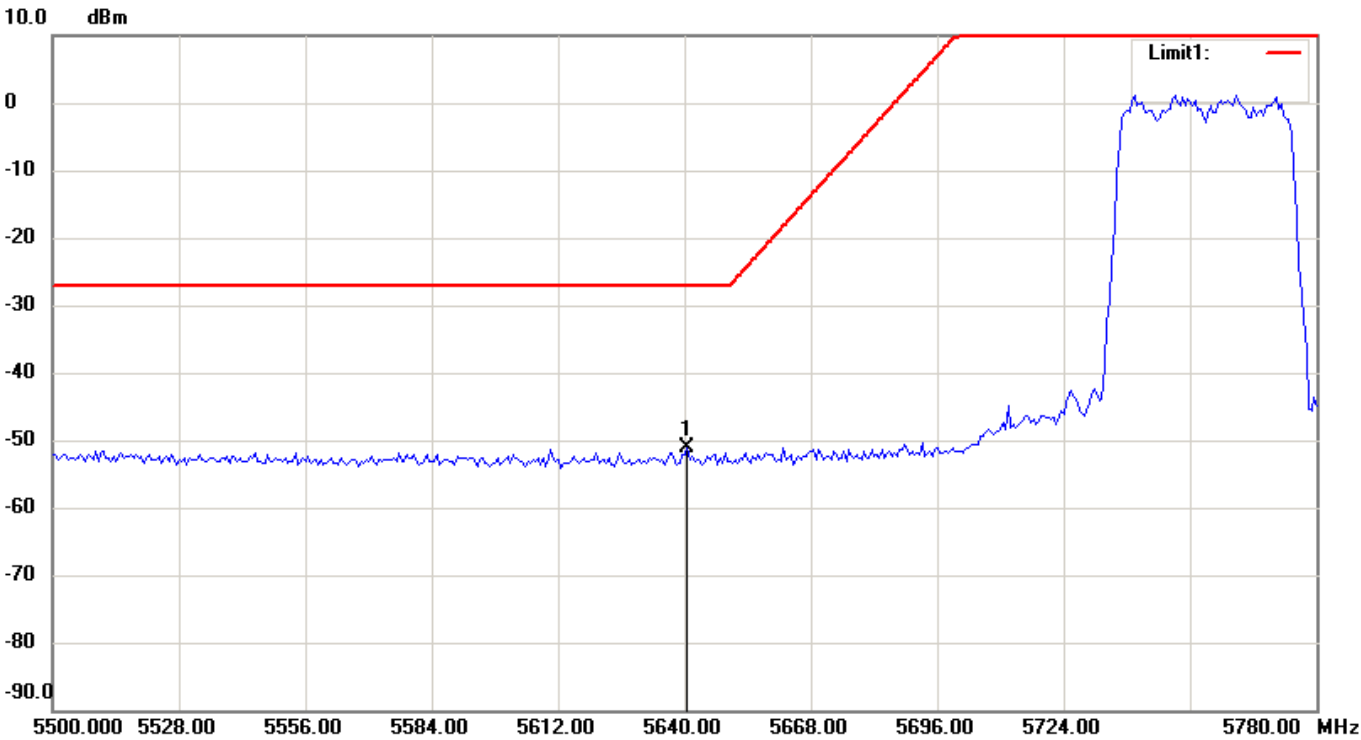
#8

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 151_Low_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5640.56000	-51.15

File: 20-07-MAS-052_5-8ax40_Ant1

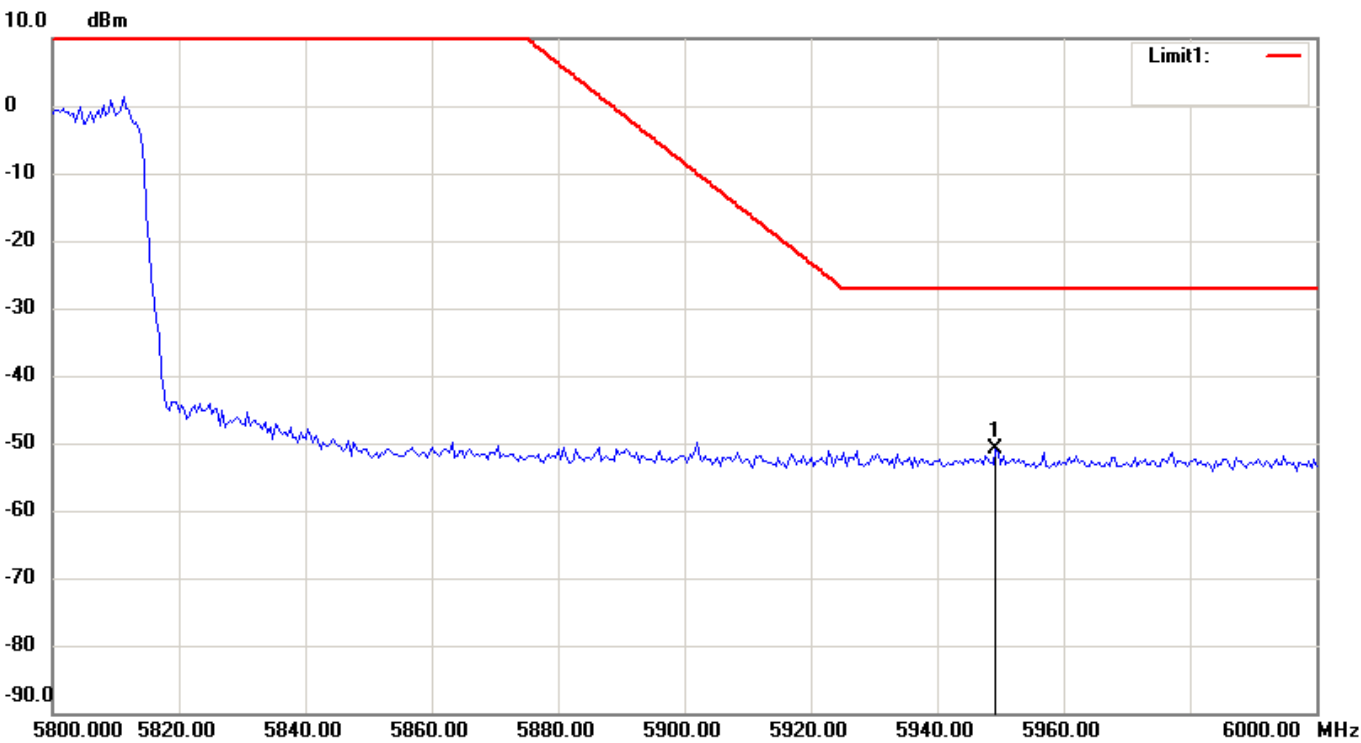
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-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 159_High_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5949.20000	-50.98

File: 20-07-MAS-052_5-8ax40_Ant1

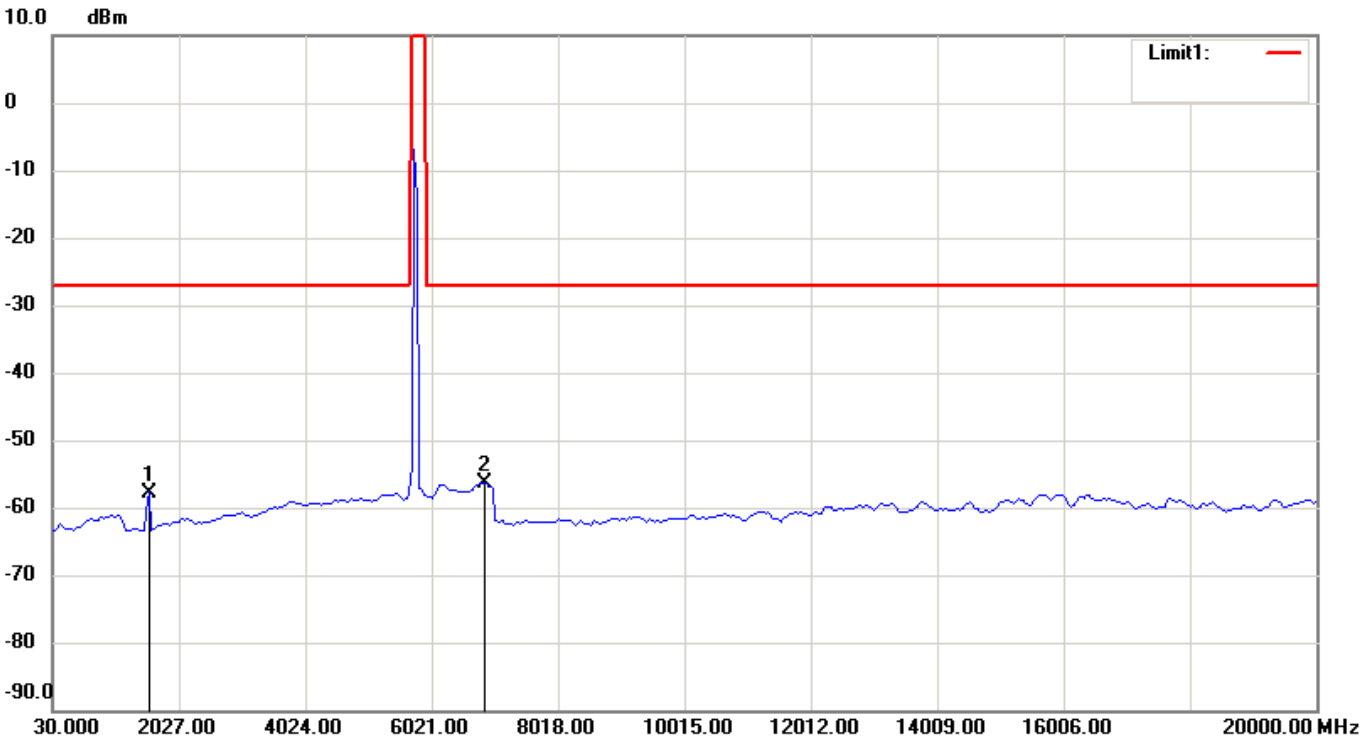
#6

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 151_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	1547.72000	-57.75
2	6859.74000	-56.30

File: 20-07-MAS-052_5-8ax40_Ant1

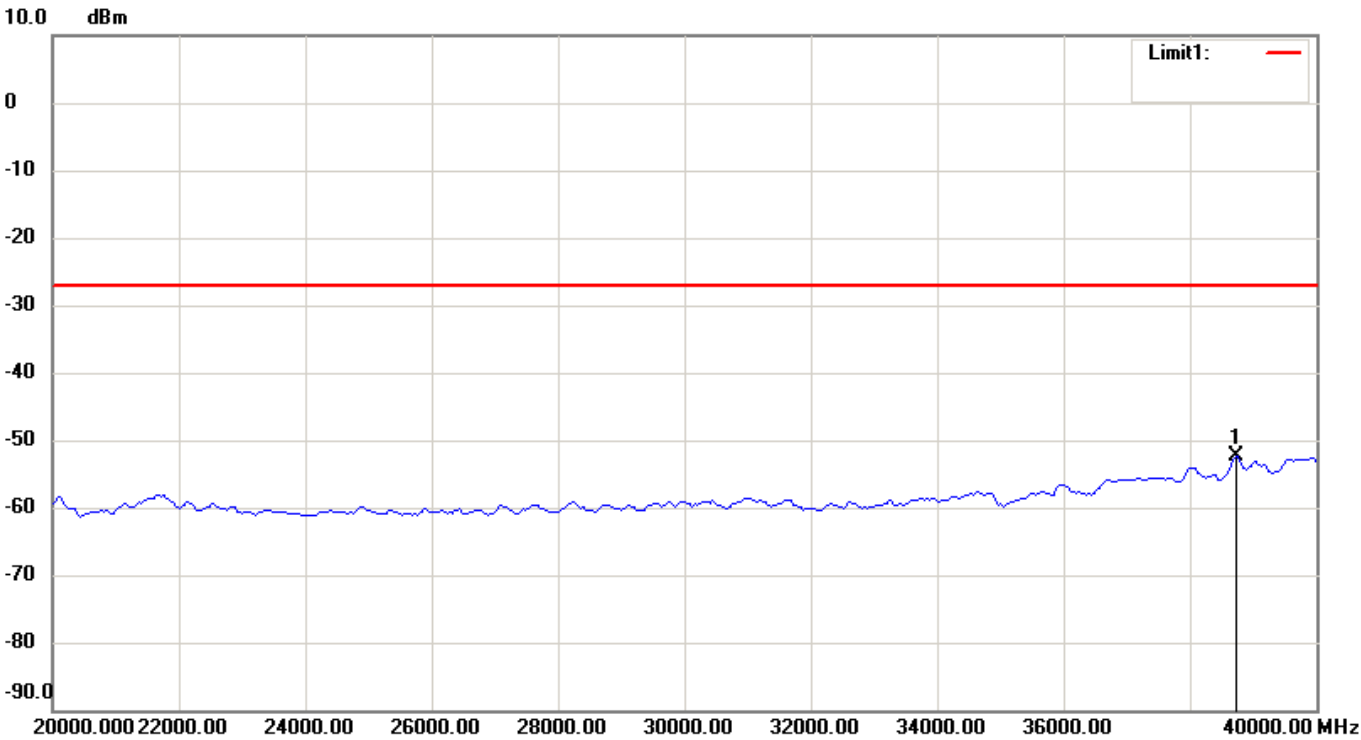
Site: RF-Cond01

#7

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 151_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	-52.35

File: 20-07-MAS-052_5-8ax40_Ant1

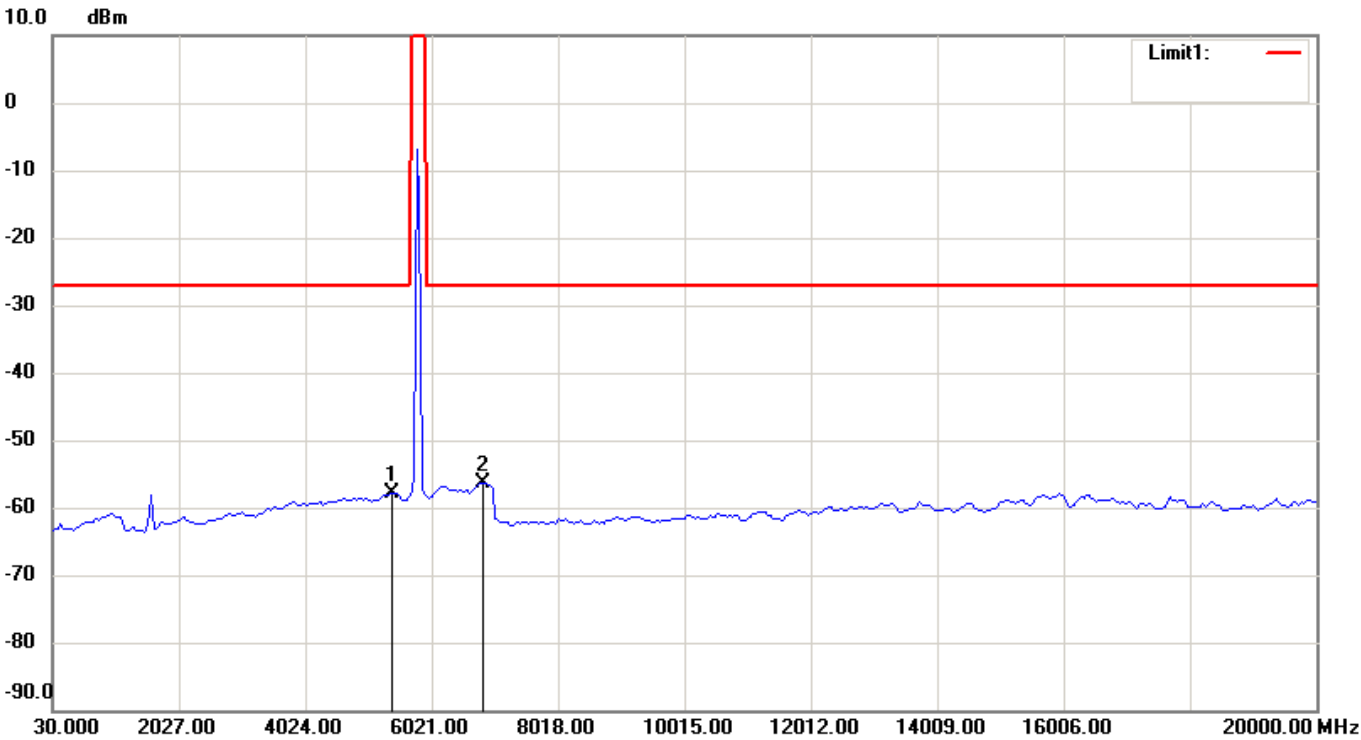
#14

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 159_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5381.96000	-57.88
2	6819.80000	-56.30

File: 20-07-MAS-052_5-8ax40_Ant1

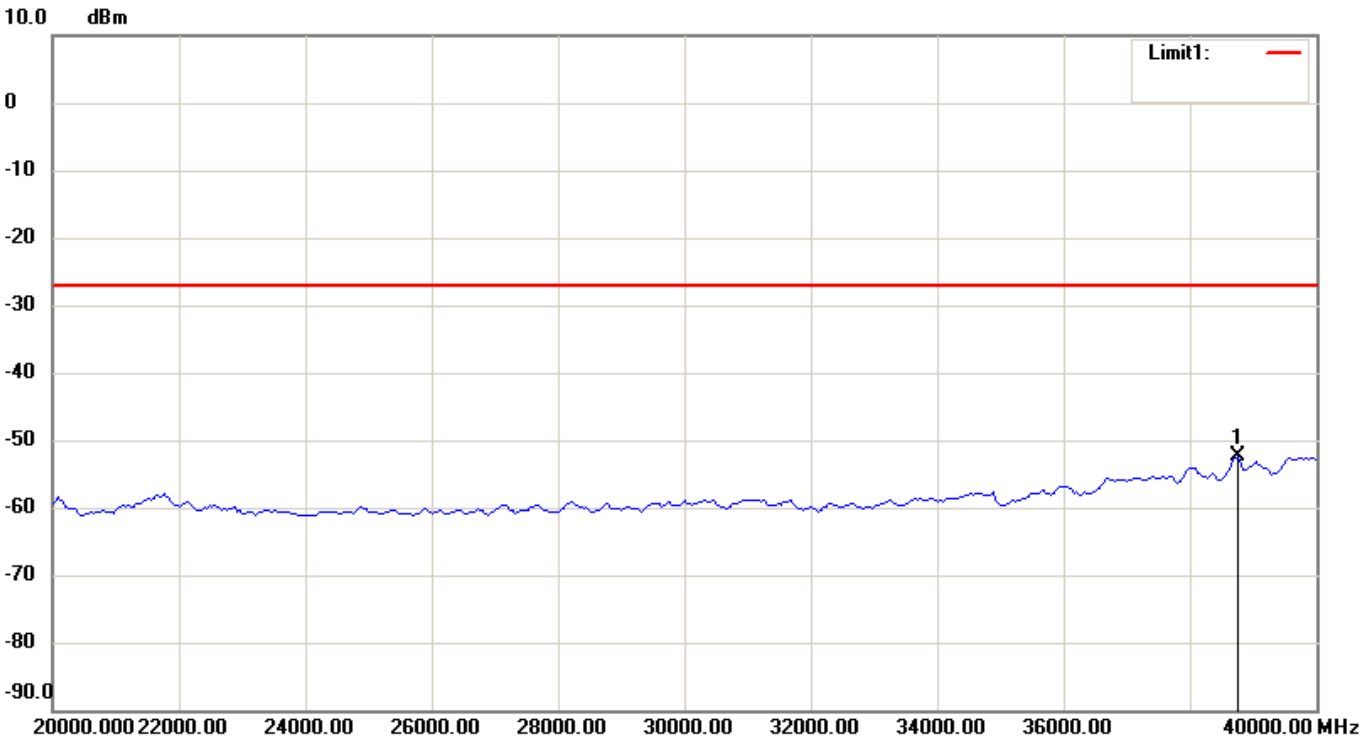
#15

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 159_Spurious-2

RF Conducted

Sweep Time: 80ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.48

9.4.3.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

註：1. 繪圖資料請參考第 183-188 頁。

2. 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_5-8ax40_Ant2

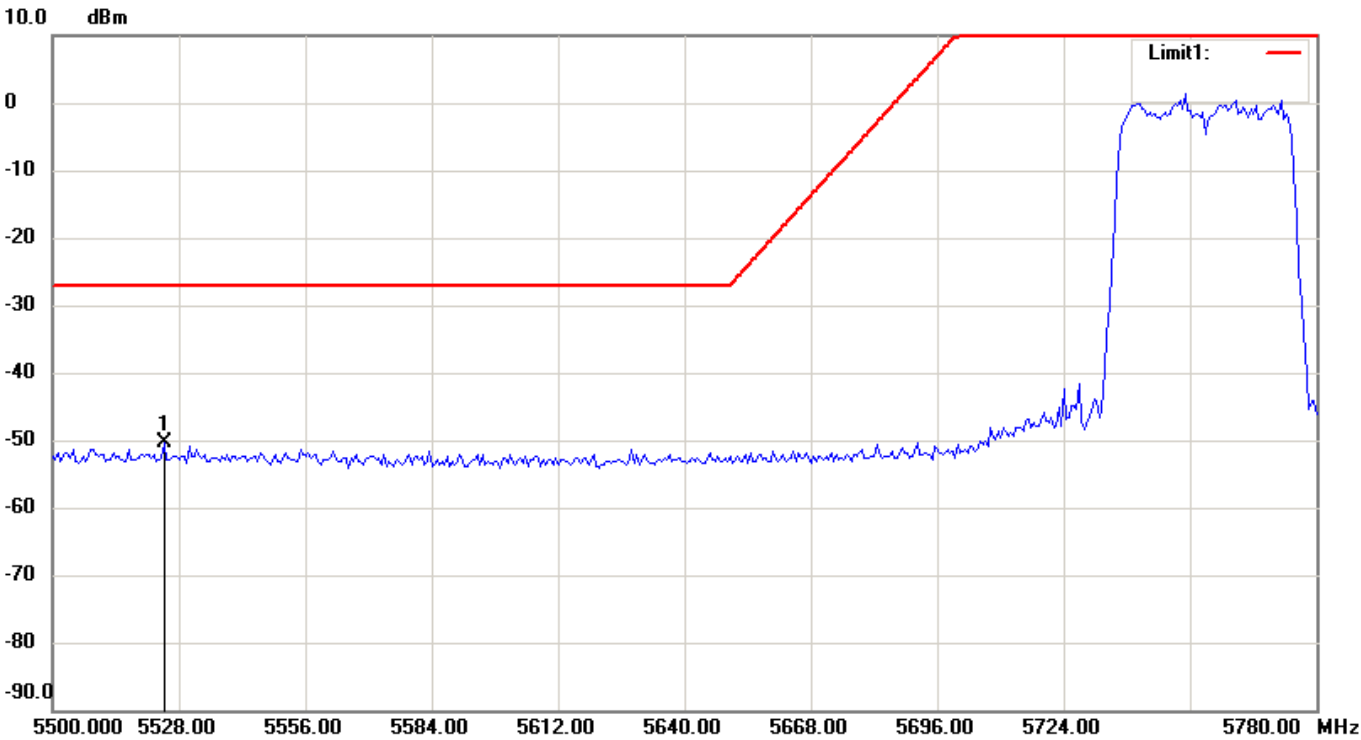
Site: RF-Cond01

#8

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 151_Low_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5524.64000	-50.46

File: 20-07-MAS-052_5-8ax40_Ant2

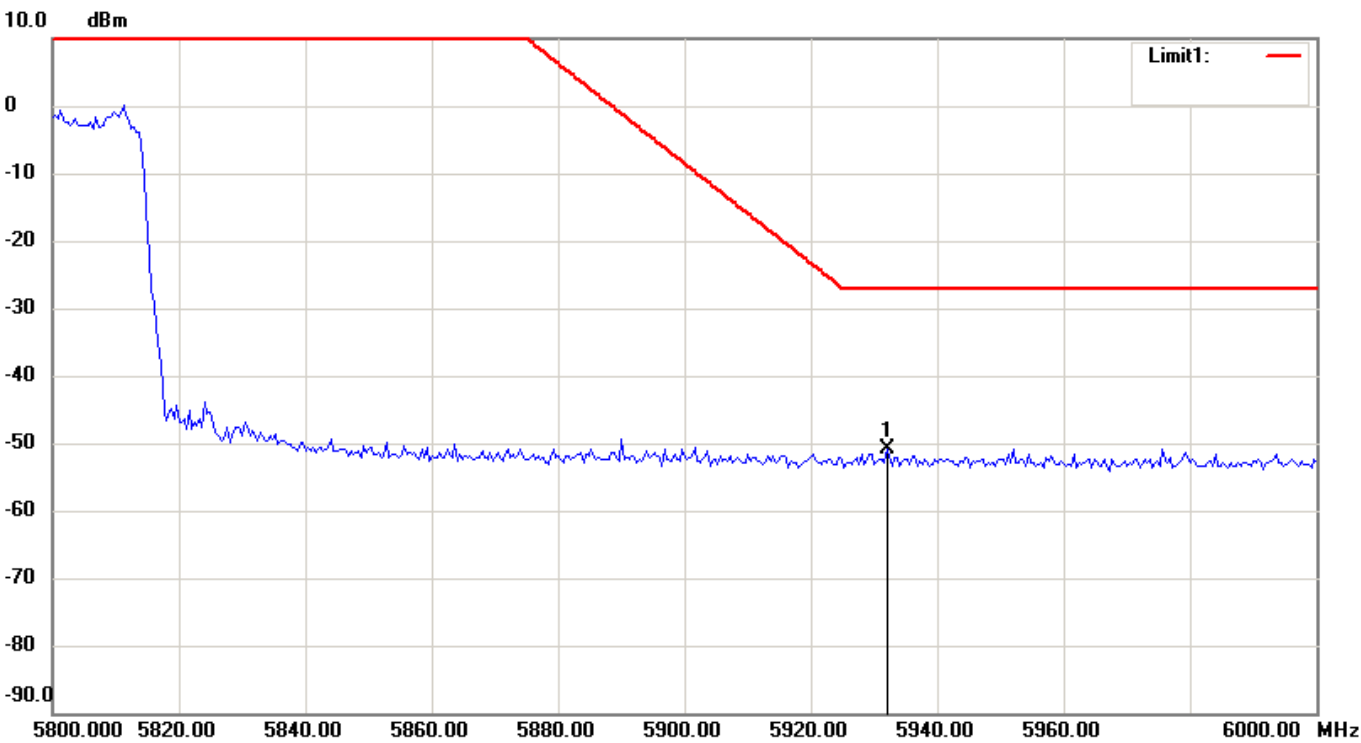
#16

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 159_High_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5932.00000	-50.76

File: 20-07-MAS-052_5-8ax40_Ant2

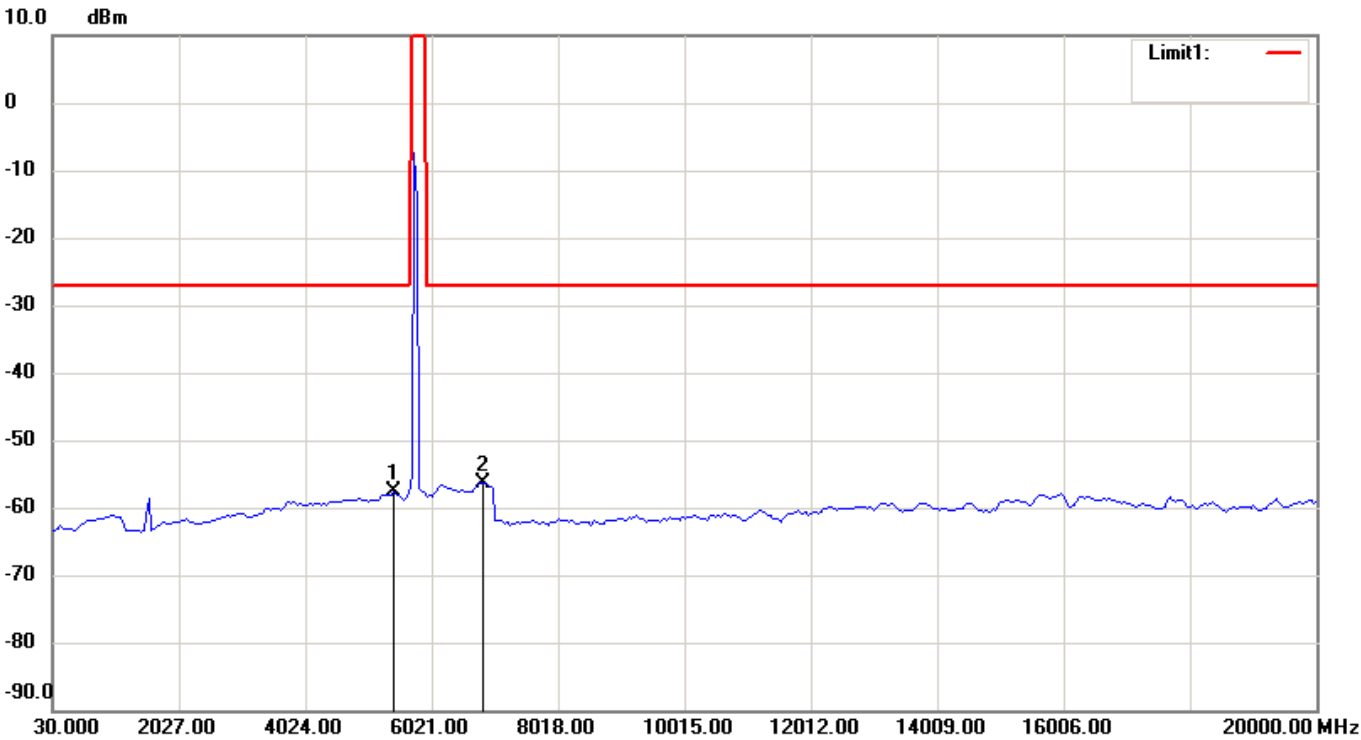
Site: RF-Cond01

#6

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 151_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5421.90000	-57.73
2	6819.80000	-56.37

File: 20-07-MAS-052_5-8ax40_Ant2

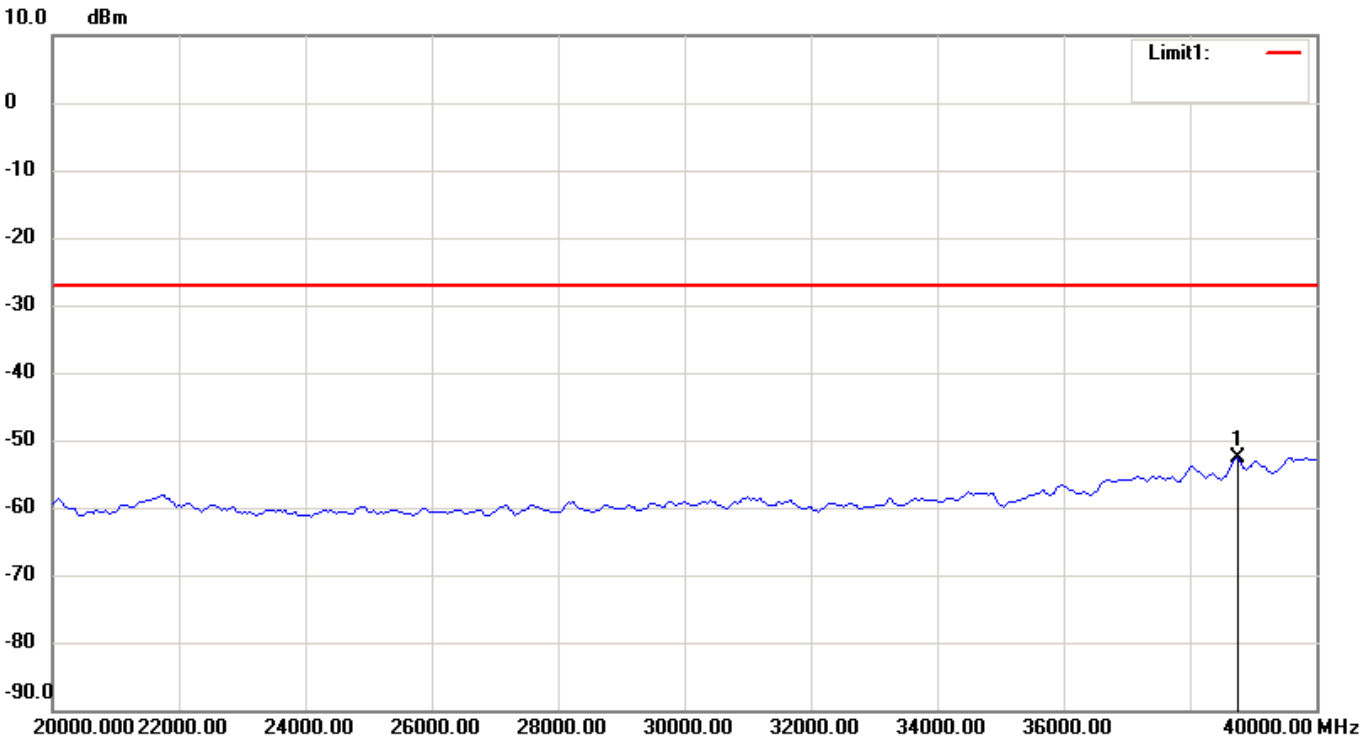
Site: RF-Cond01

#7

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 151_Spurious-2

RF Conducted

Sweep Time: 80ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.59

File: 20-07-MAS-052_5-8ax40_Ant2

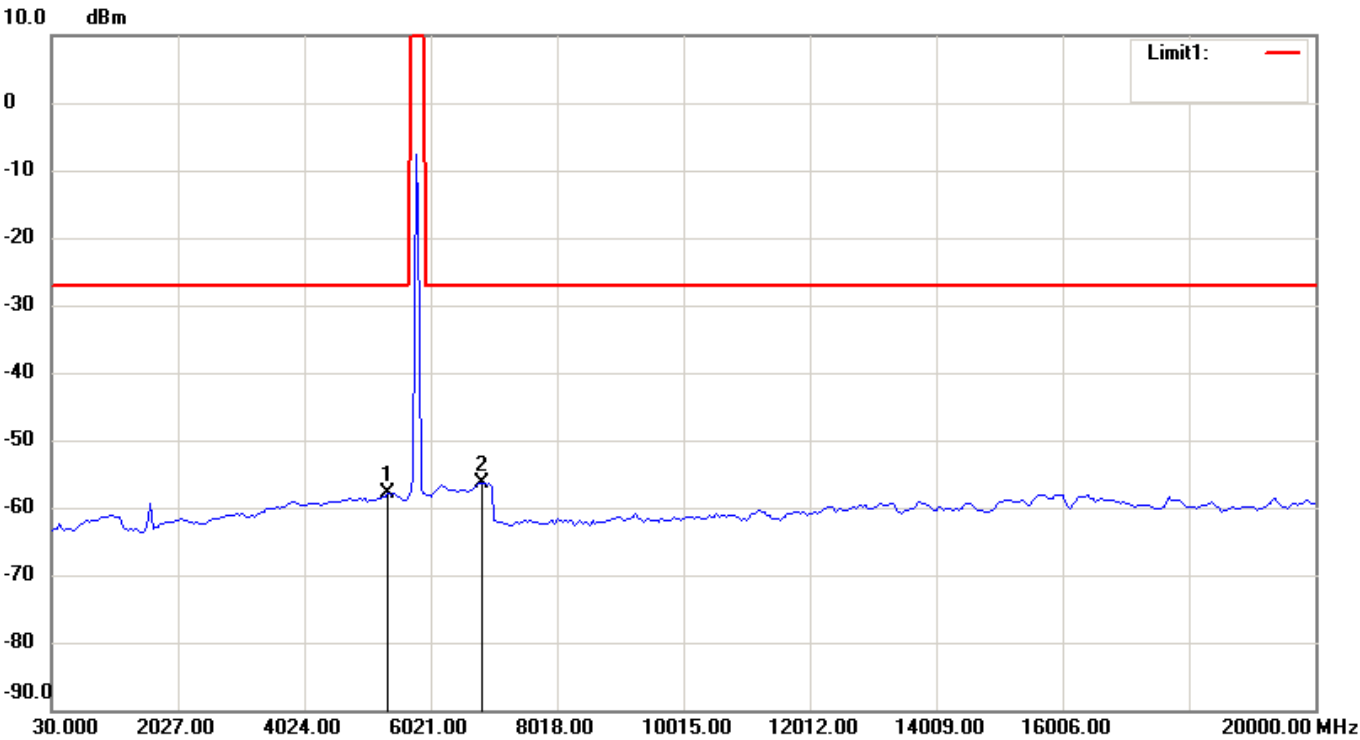
#14

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 159_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5342.02000	-57.83
2	6819.80000	-56.36

File: 20-07-MAS-052_5-8ax40_Ant2

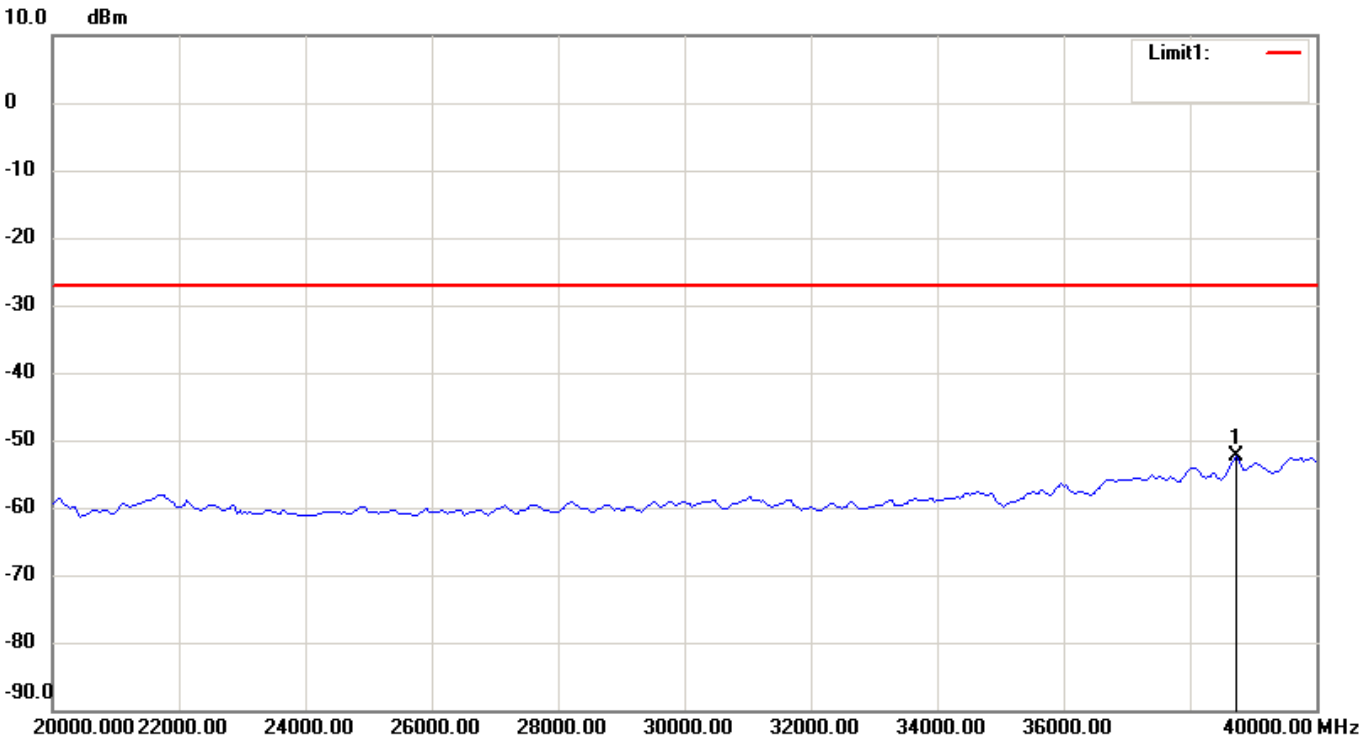
Site: RF-Cond01

#15

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 159_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	-52.46

9.4.4 調變技術:IEEE 802.11ax (80MHz)

9.4.4.1 CHAIN 0

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

- 註：1. 繪圖資料請參考第 190-193 頁。
2. 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_5-8ax80_Ant1

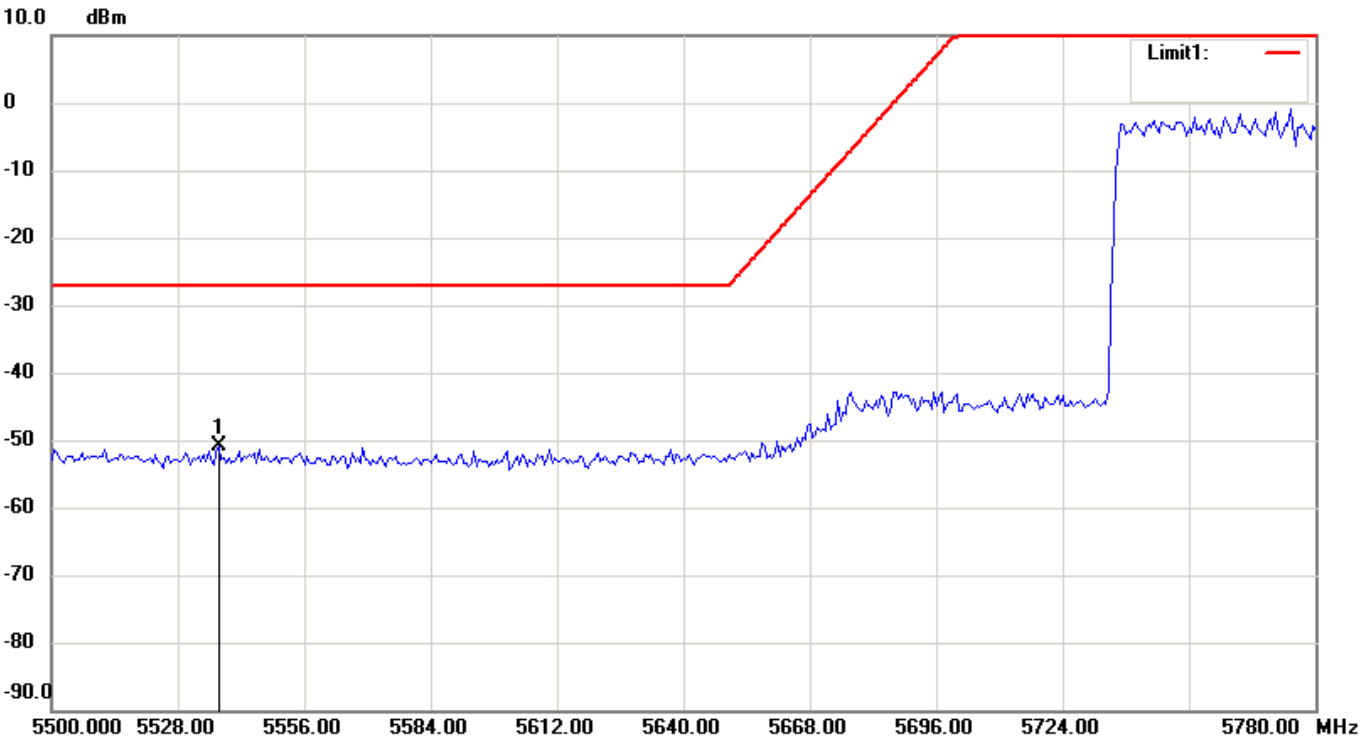
Site: RF-Cond01

#8

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 155_Low_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5536.96000	-50.80

File: 20-07-MAS-052_5-8ax80_Ant1

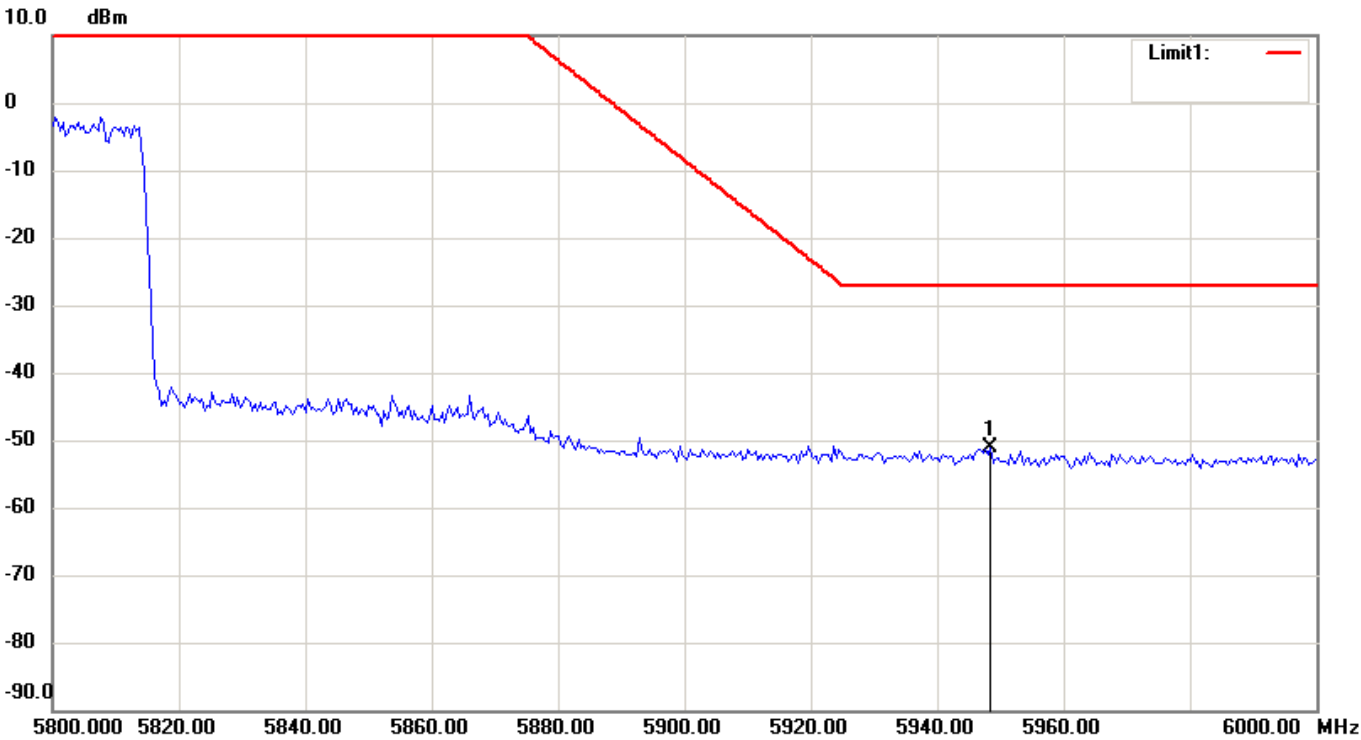
Site: RF-Cond01

#9

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 155_High_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5948.40000	-51.15

File: 20-07-MAS-052_5-8ax80_Ant1

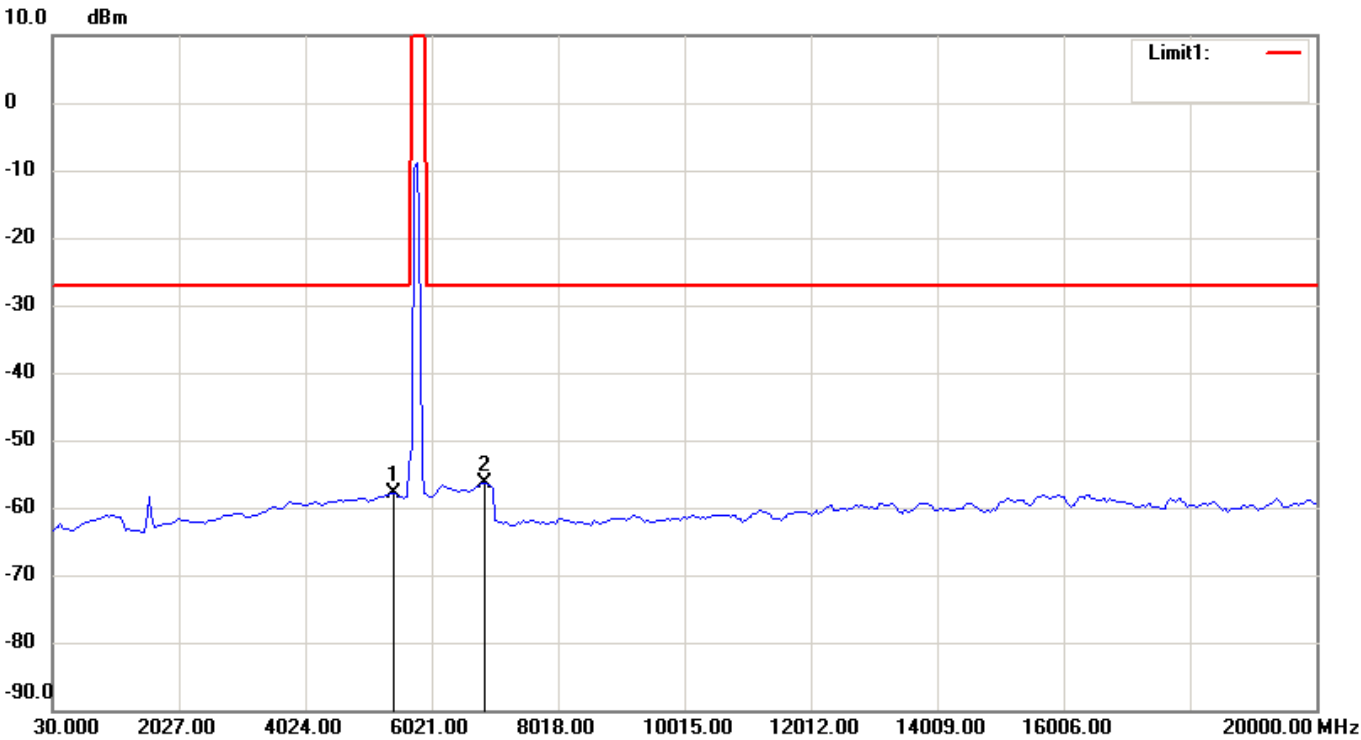
#6

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

RF Conducted

EUT: PlayStation5 console (Wireless)

Sweep Time: 79.9ms Att.: 15dB

Model: CFI-1018A

RBW: 1000 KHz VBW: 1000 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax80_Channel 155_Spurious-1

No.	Frequency(MHz)	Level(dBm)
1	5421.90000	-57.90
2	6859.74000	-56.44

File: 20-07-MAS-052_5-8ax80_Ant1

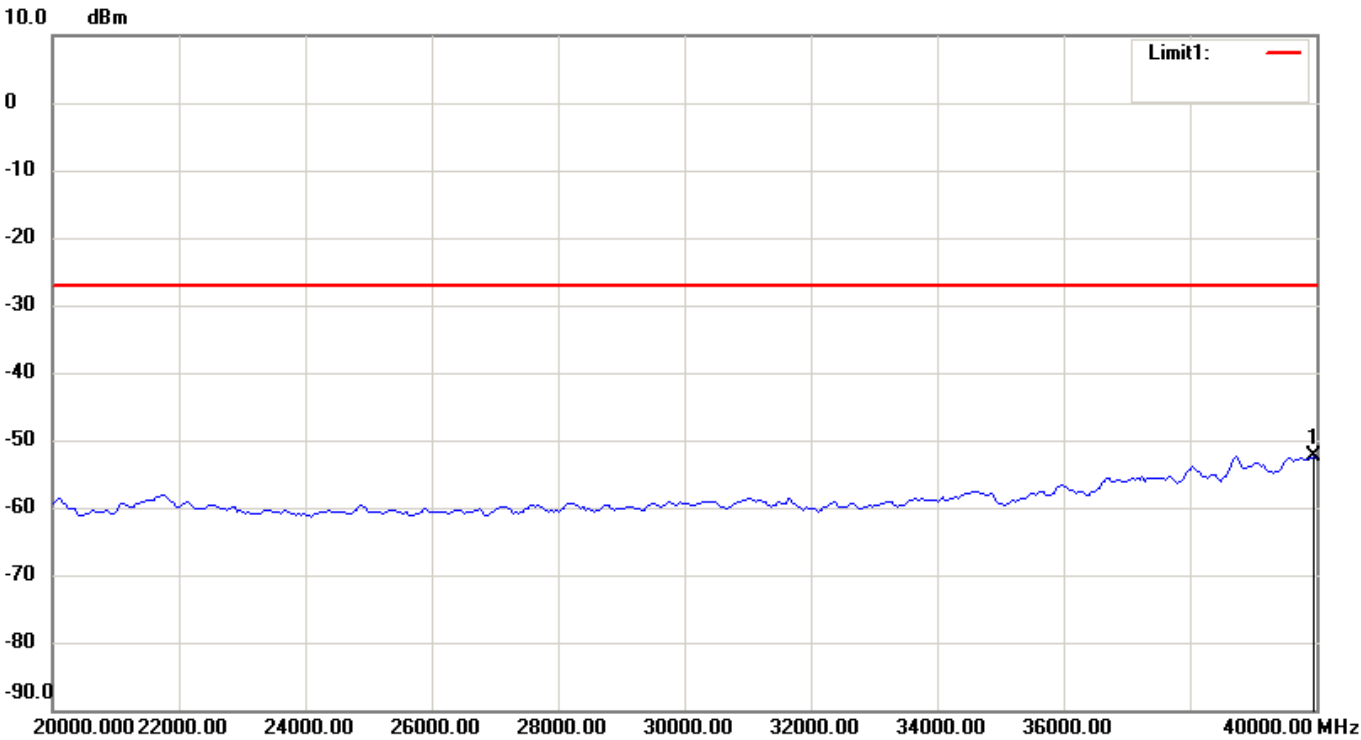
Site: RF-Cond01

#7

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 155_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	-52.37

9.4.4.2 CHAIN 1

測試日期: Aug. 07, 2020

環境溫度: 24°C

環境濕度: 55%

- 註：1. 繪圖資料請參考第 195-198 頁。
2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

9.5 結果判定

混附波之發射皆低於使用頻帶內最高的射頻功率20dB以上，符合標準規定。

File: 20-07-MAS-052_5-8ax80_Ant2

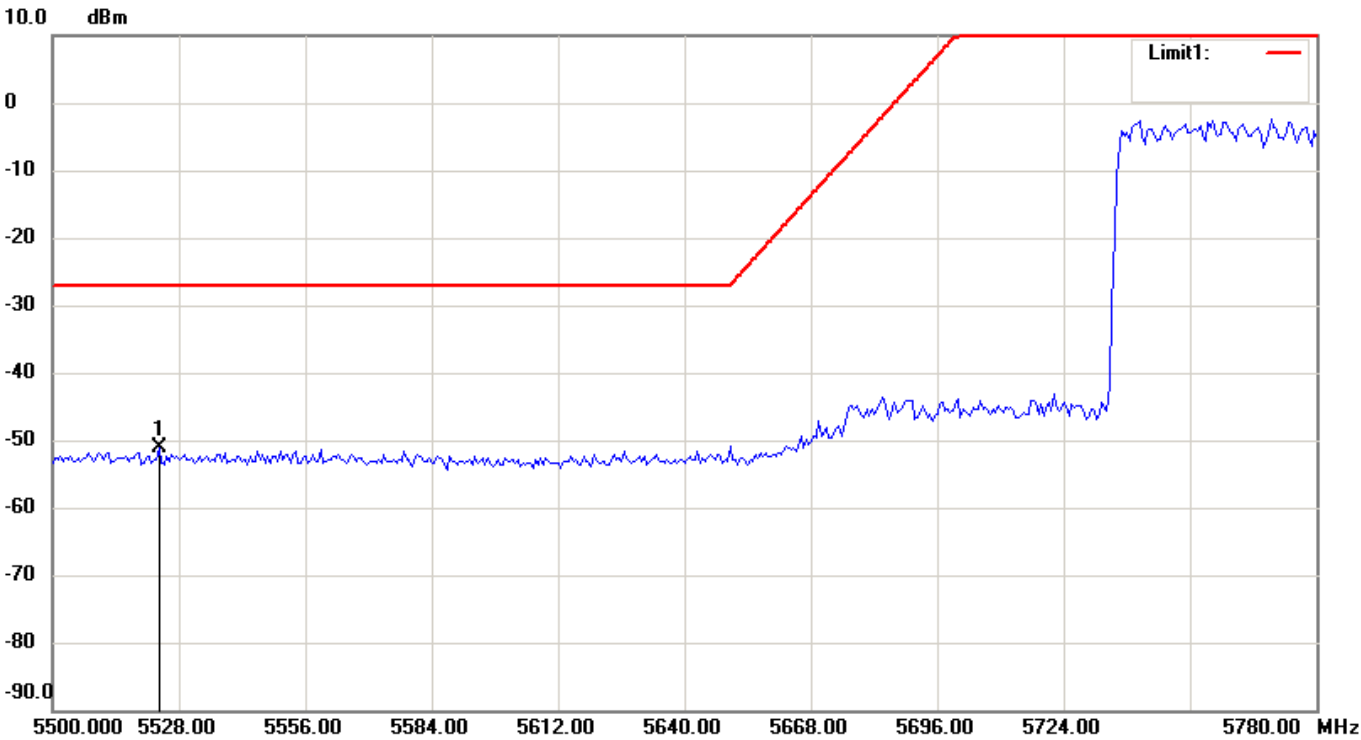
#8

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 155_Low_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5523.52000	-51.21

File: 20-07-MAS-052_5-8ax80_Ant2

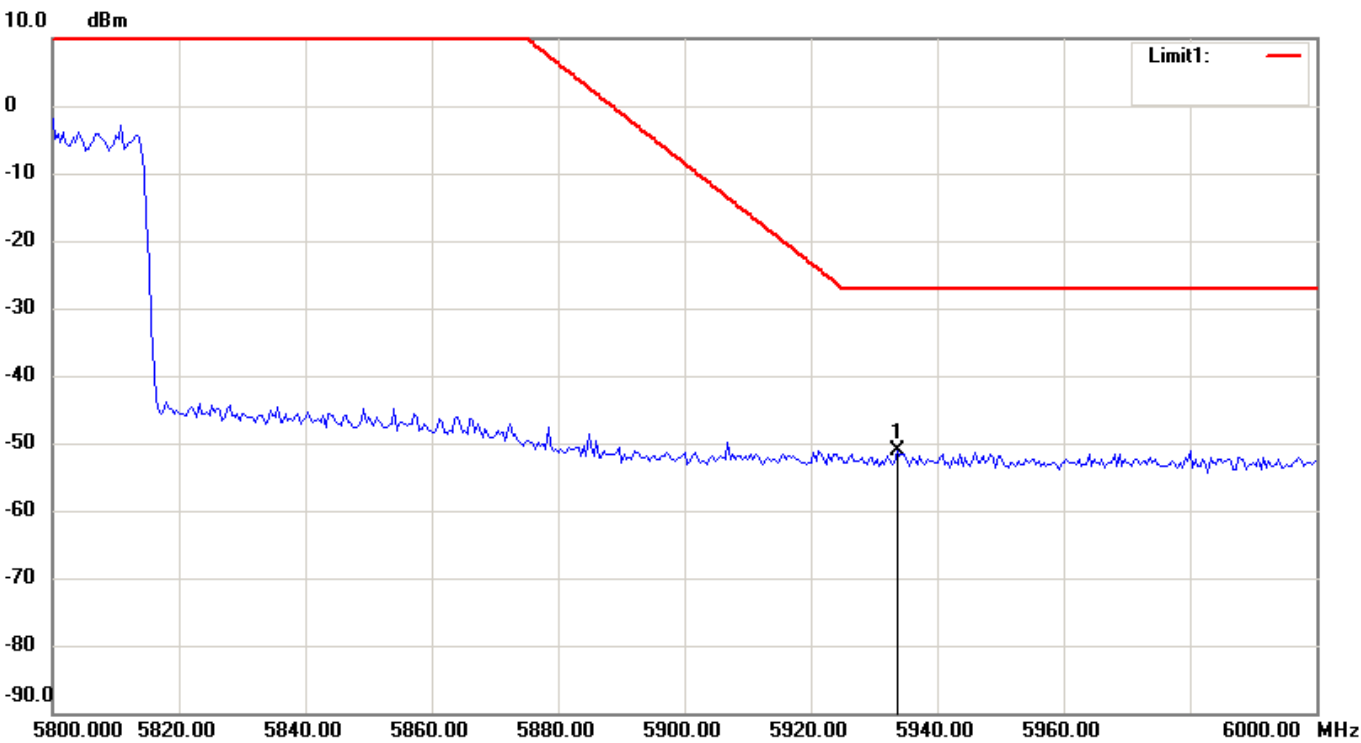
#9

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 155_High_Bandedge

RF Conducted

Sweep Time: 1ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 3000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5933.60000	-51.05

File: 20-07-MAS-052_5-8ax80_Ant2

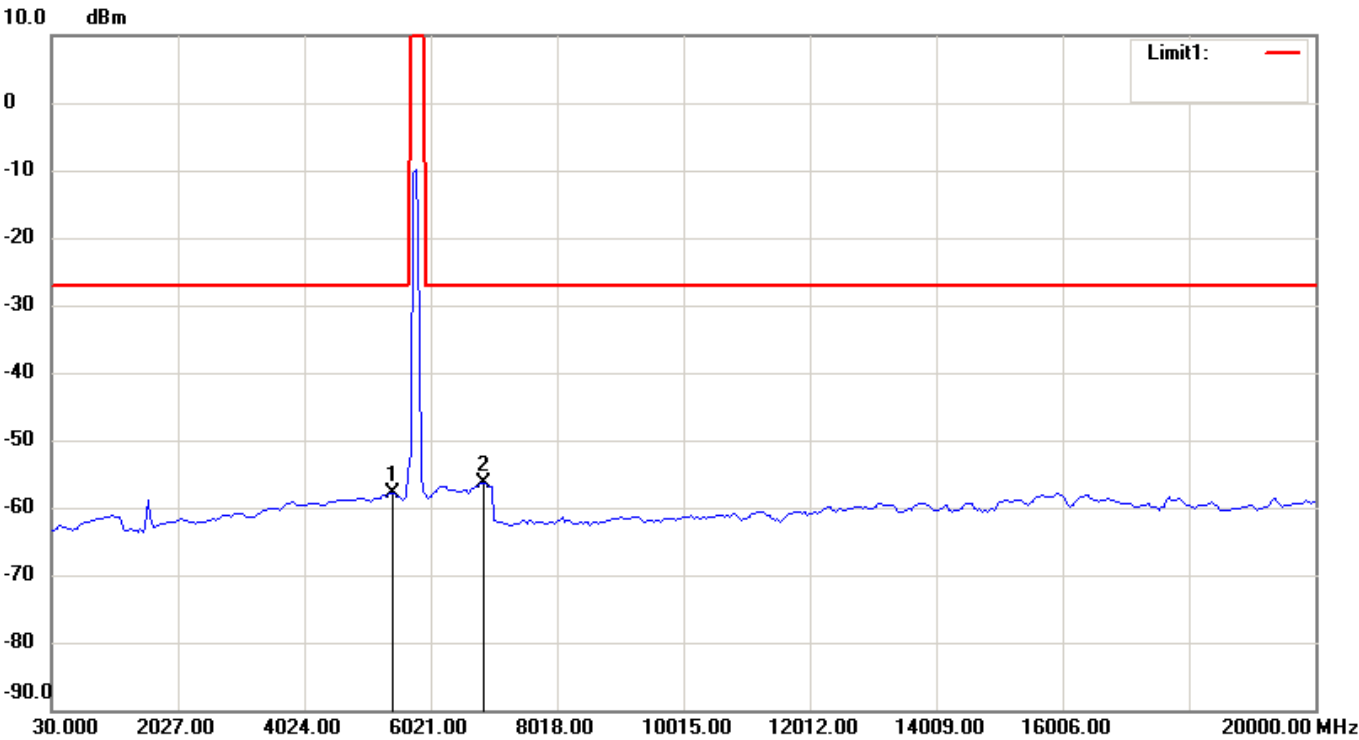
#6

Date: 2020/8/7

Temperature: 24 °C

Site: RF-Cond01

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 155_Spurious-1

RF Conducted

Sweep Time: 79.9ms

RBW: 1000 KHz

Operator:

Att.: 15dB

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5421.90000	-57.90
2	6859.74000	-56.28

File: 20-07-MAS-052_5-8ax80_Ant2

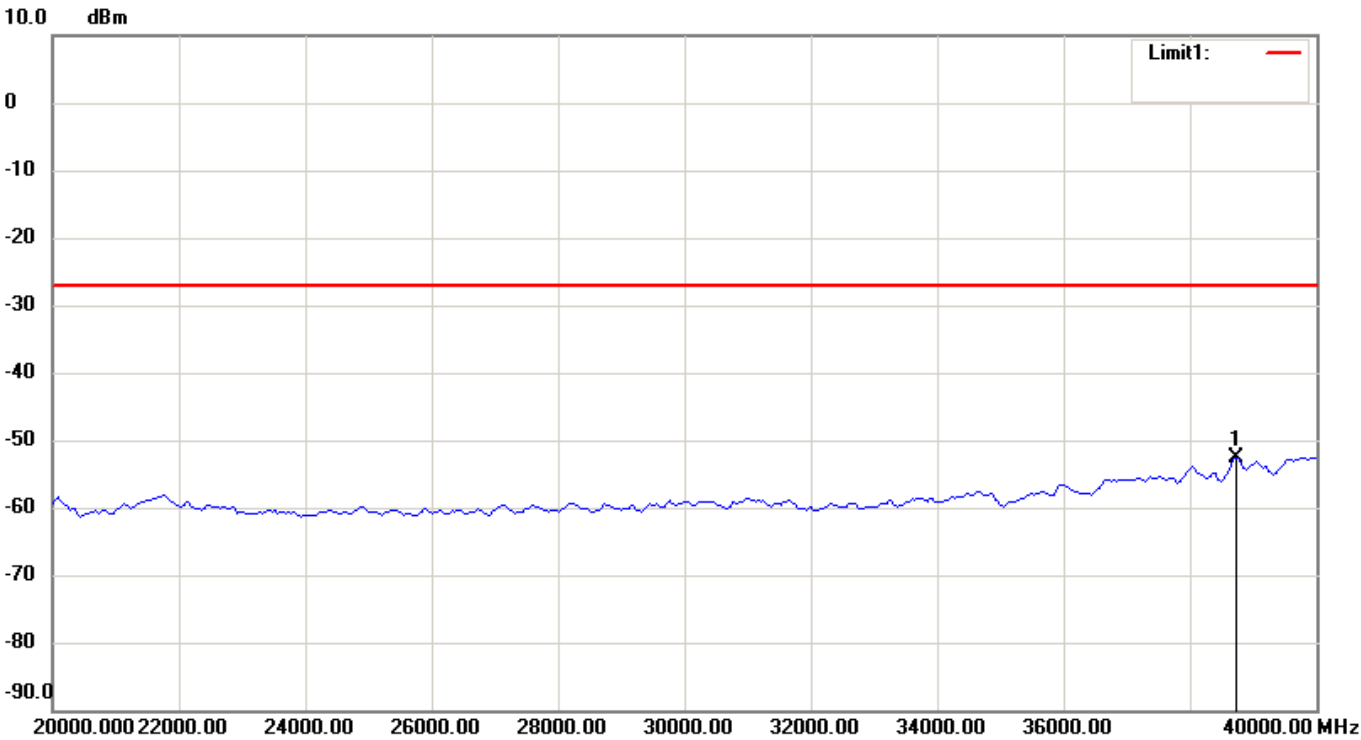
Site: RF-Cond01

#7

Date: 2020/8/7

Temperature: 24 °C

Humidity: 55 %



Condition: UNII-Band-4-Bandedge

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 155_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	-52.56

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4.7.4.6節之要求，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。

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

10.5.1 諧波發射量測值

10.5.1.1 調變技術: IEEE 802.11a

a. Channel Low

操作模式 : 發射接收

基本波頻率 : 5745 MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11490.0000	H	---	---	8.0	---	---	74.0	54.0	---
11490.0000	V	---	---	8.0	---	---	74.0	54.0	---
17235.0000	H	---	---	13.5	---	---	74.0	54.0	---
17235.0000	V	---	---	13.5	---	---	74.0	54.0	---
22980.0000	H	---	---	19.5	---	---	74.0	54.0	---
22980.0000	V	---	---	19.5	---	---	74.0	54.0	---
28725.0000	H	---	---	21.1	---	---	74.0	54.0	---
28725.0000	V	---	---	21.1	---	---	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

操作模式：發射接收

基本波頻率：5785MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11570.0000	H	---	---	8.0	---	---	74.0	54.0	---
11570.0000	V	---	---	8.0	---	---	74.0	54.0	---
17355.0000	H	---	---	14.3	---	---	74.0	54.0	---
17355.0000	V	---	---	14.3	---	---	74.0	54.0	---
23140.0000	H	---	---	19.4	---	---	74.0	54.0	---
23140.0000	V	---	---	19.4	---	---	74.0	54.0	---
28925.0000	H	---	---	21.1	---	---	74.0	54.0	---
28925.0000	V	---	---	21.1	---	---	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

操作模式：發射接收

基本波頻率：5825MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11650.0000	H	---	---	8.1	---	---	74.0	54.0	---
11650.0000	V	---	---	8.1	---	---	74.0	54.0	---
17475.0000	H	---	---	15.2	---	---	74.0	54.0	---
17475.0000	V	---	---	15.2	---	---	74.0	54.0	---
23300.0000	H	---	---	19.4	---	---	74.0	54.0	---
23300.0000	V	---	---	19.4	---	---	74.0	54.0	---
29125.0000	H	---	---	21.2	---	---	74.0	54.0	---
29125.0000	V	---	---	21.2	---	---	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

操作模式：發射接收

基本波頻率：5745 MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11490.0000	H	---	---	8.0	---	---	74.0	54.0	---
11490.0000	V	---	---	8.0	---	---	74.0	54.0	---
17235.0000	H	---	---	13.5	---	---	74.0	54.0	---
17235.0000	V	---	---	13.5	---	---	74.0	54.0	---
22980.0000	H	---	---	19.5	---	---	74.0	54.0	---
22980.0000	V	---	---	19.5	---	---	74.0	54.0	---
28725.0000	H	---	---	21.1	---	---	74.0	54.0	---
28725.0000	V	---	---	21.1	---	---	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

操作模式：發射接收

基本波頻率：5785MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11570.0000	H	---	---	8.0	---	---	74.0	54.0	---
11570.0000	V	---	---	8.0	---	---	74.0	54.0	---
17355.0000	H	---	---	14.3	---	---	74.0	54.0	---
17355.0000	V	---	---	14.3	---	---	74.0	54.0	---
23140.0000	H	---	---	19.4	---	---	74.0	54.0	---
23140.0000	V	---	---	19.4	---	---	74.0	54.0	---
28925.0000	H	---	---	21.1	---	---	74.0	54.0	---
28925.0000	V	---	---	21.1	---	---	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

操作模式：發射接收

基本波頻率：5825MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11650.0000	H	---	---	8.1	---	---	74.0	54.0	---
11650.0000	V	---	---	8.1	---	---	74.0	54.0	---
17475.0000	H	---	---	15.2	---	---	74.0	54.0	---
17475.0000	V	---	---	15.2	---	---	74.0	54.0	---
23300.0000	H	---	---	19.4	---	---	74.0	54.0	---
23300.0000	V	---	---	19.4	---	---	74.0	54.0	---
29125.0000	H	---	---	21.2	---	---	74.0	54.0	---
29125.0000	V	---	---	21.2	---	---	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 Low

操作模式：發射接收

基本波頻率：5755 MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11510.0000	H	---	---	8.0	---	---	74.0	54.0	---
11510.0000	V	---	---	8.0	---	---	74.0	54.0	---
17265.0000	H	---	---	13.7	---	---	74.0	54.0	---
17265.0000	V	---	---	13.7	---	---	74.0	54.0	---
23020.0000	H	---	---	19.5	---	---	74.0	54.0	---
23020.0000	V	---	---	19.5	---	---	74.0	54.0	---
28775.0000	H	---	---	21.1	---	---	74.0	54.0	---
28775.0000	V	---	---	21.1	---	---	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 High

操作模式：發射接收

基本波頻率：5795 MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11590.0000	H	---	---	8.0	---	---	74.0	54.0	---
11590.0000	V	---	---	8.0	---	---	74.0	54.0	---
17385.0000	H	---	---	14.6	---	---	74.0	54.0	---
17385.0000	V	---	---	14.6	---	---	74.0	54.0	---
23180.0000	H	---	---	19.4	---	---	74.0	54.0	---
23180.0000	V	---	---	19.4	---	---	74.0	54.0	---
28975.0000	H	---	---	21.1	---	---	74.0	54.0	---
28975.0000	V	---	---	21.1	---	---	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 調變技術: IEEE 802.11ax (80MHz)

操作模式：發射接收

基本波頻率：5775 MHz

測試日期: Aug. 17, 2020

環境溫度: 24°C

環境濕度: 59%

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)
11550.0000	H	---	---	8.0	---	---	74.0	54.0	---
11550.0000	V	---	---	8.0	---	---	74.0	54.0	---
17325.0000	H	---	---	14.2	---	---	74.0	54.0	---
17325.0000	V	---	---	14.2	---	---	74.0	54.0	---
23100.0000	H	---	---	19.5	---	---	74.0	54.0	---
23100.0000	V	---	---	19.5	---	---	74.0	54.0	---
28875.0000	H	---	---	21.1	---	---	74.0	54.0	---
28875.0000	V	---	---	21.1	---	---	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

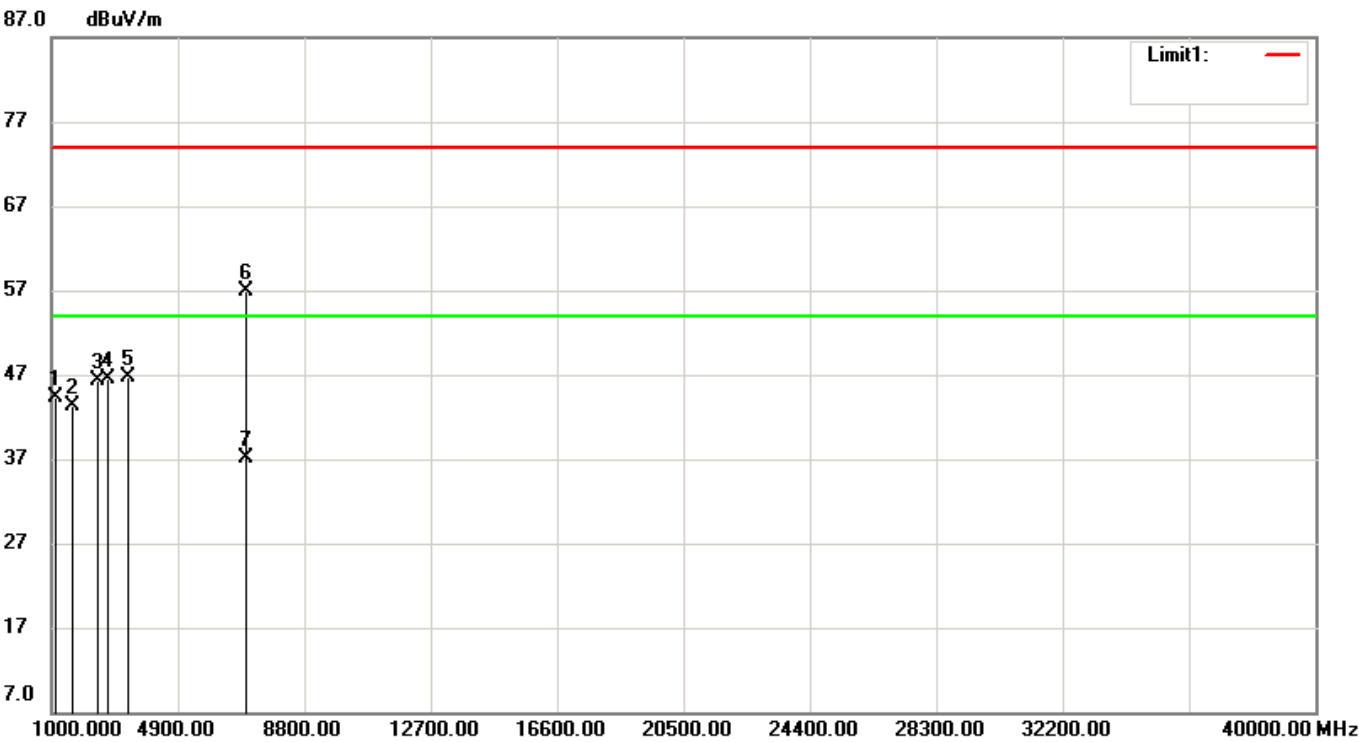
10.5.2.1 調變技術: IEEE 802.11a

a. Channel Low

操作模式：發射接收

基本波頻率：5745 MHz

File: 20-07-MAS-052-5-8a #19 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

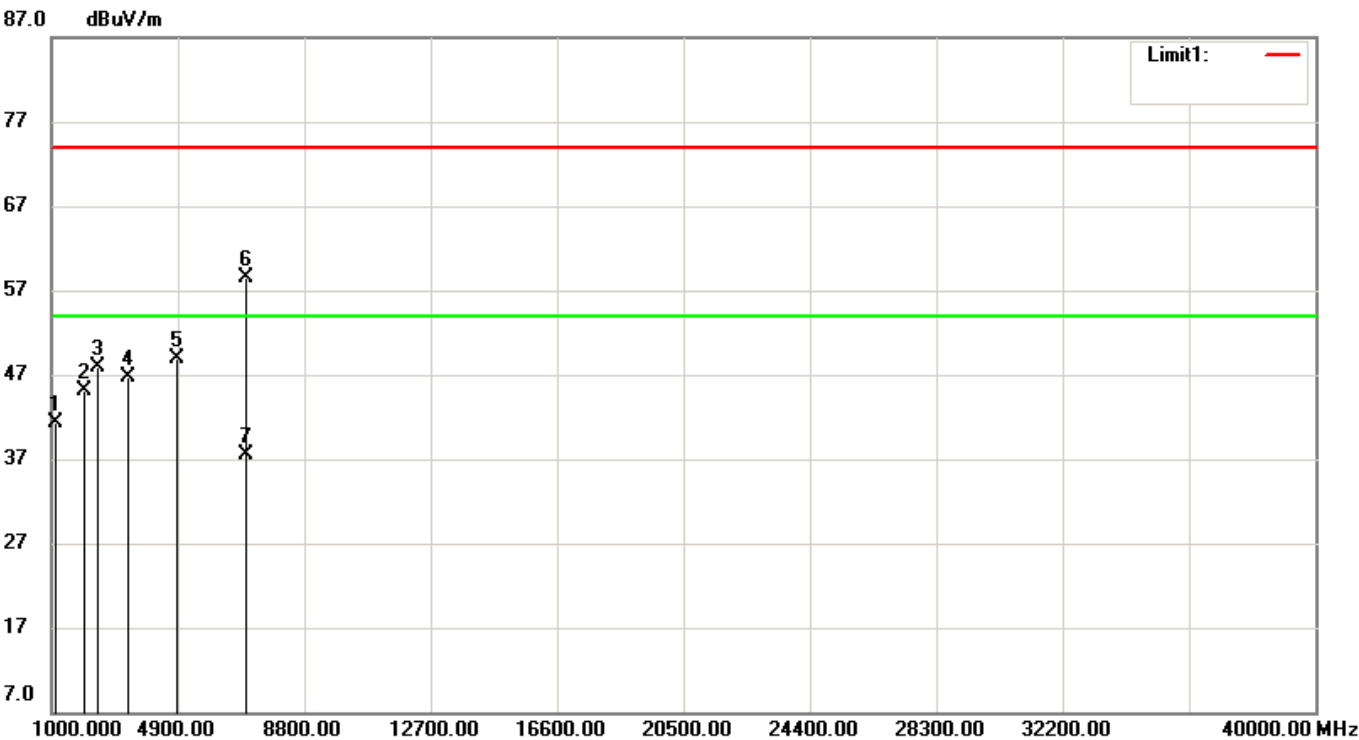
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	53.64	peak	-9.29	44.35	74.00	-29.65
2	1590.62500	50.76	peak	-7.38	43.38	74.00	-30.62
3	2415.98550	48.97	peak	-2.64	46.33	74.00	-27.67
4	2749.15860	48.62	peak	-2.16	46.46	74.00	-27.54
5	3324.63940	48.11	peak	-1.42	46.69	74.00	-27.31
6	6991.97260	53.40	peak	3.42	56.82	74.00	-17.18
7*	6991.97260	33.75	AVG	3.42	37.17	54.00	-16.83

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：5745 MHz

File: 20-07-MAS-052-5-8a #20 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

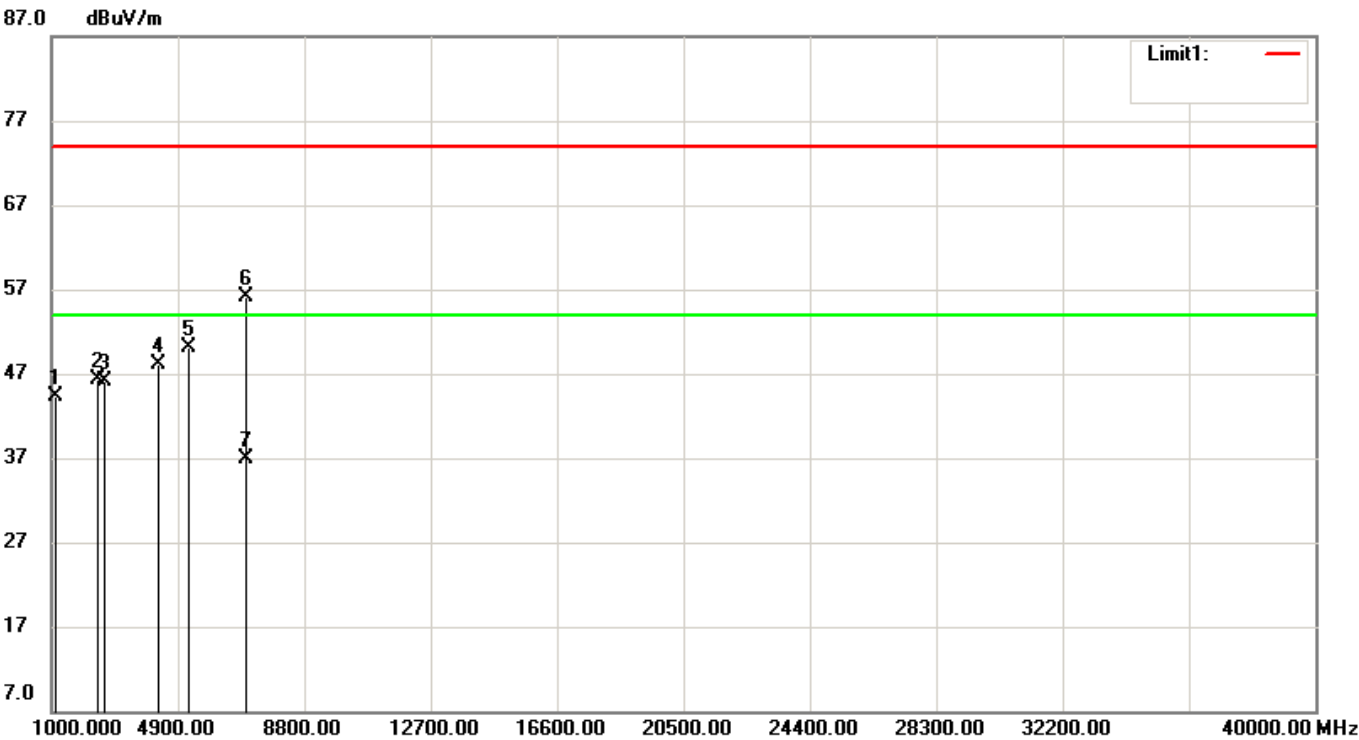
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1075.72110	50.51	peak	-9.28	41.23	74.00	-32.77
2	1946.51440	49.25	peak	-4.21	45.04	74.00	-28.96
3	2415.98550	50.58	peak	-2.64	47.94	74.00	-26.06
4	3354.92780	48.16	peak	-1.39	46.77	74.00	-27.23
5	4861.77880	47.69	peak	1.15	48.84	74.00	-25.16
6*	6991.97260	55.01	peak	3.42	58.43	74.00	-15.57
7	6991.97260	34.03	AVG	3.42	37.45	54.00	-16.55

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：5785 MHz

File: 20-07-MAS-052-5-8a #21 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



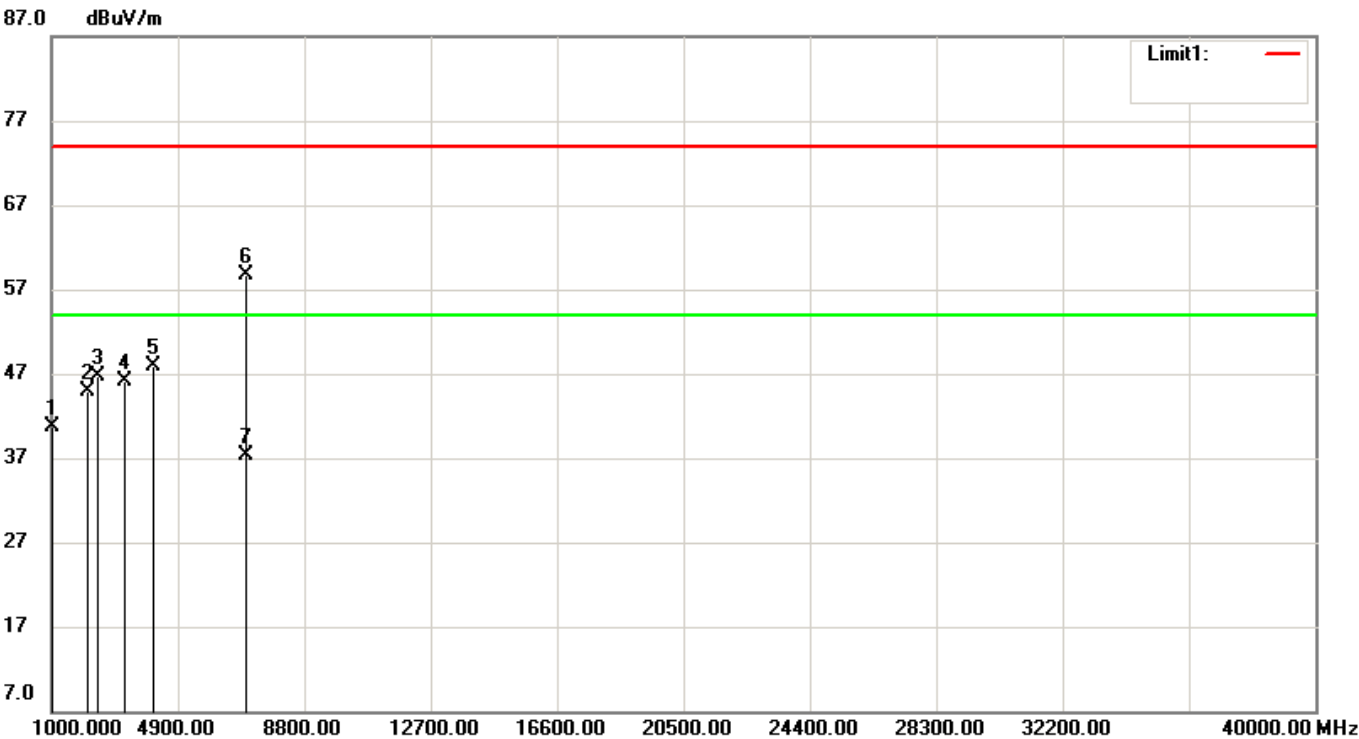
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH MID-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	53.51	peak	-9.29	44.22	74.00	-29.78
2	2408.41340	49.02	peak	-2.66	46.36	74.00	-27.64
3	2582.57210	48.47	peak	-2.33	46.14	74.00	-27.86
4	4256.00960	47.74	peak	0.30	48.04	74.00	-25.96
5	5247.95670	48.13	peak	1.98	50.11	74.00	-23.89
6	6992.32520	52.76	peak	3.42	56.18	74.00	-17.82
7*	6992.32520	33.57	AVG	3.42	36.99	54.00	-17.01

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：5785 MHz

File: 20-07-MAS-052-5-8a #22 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

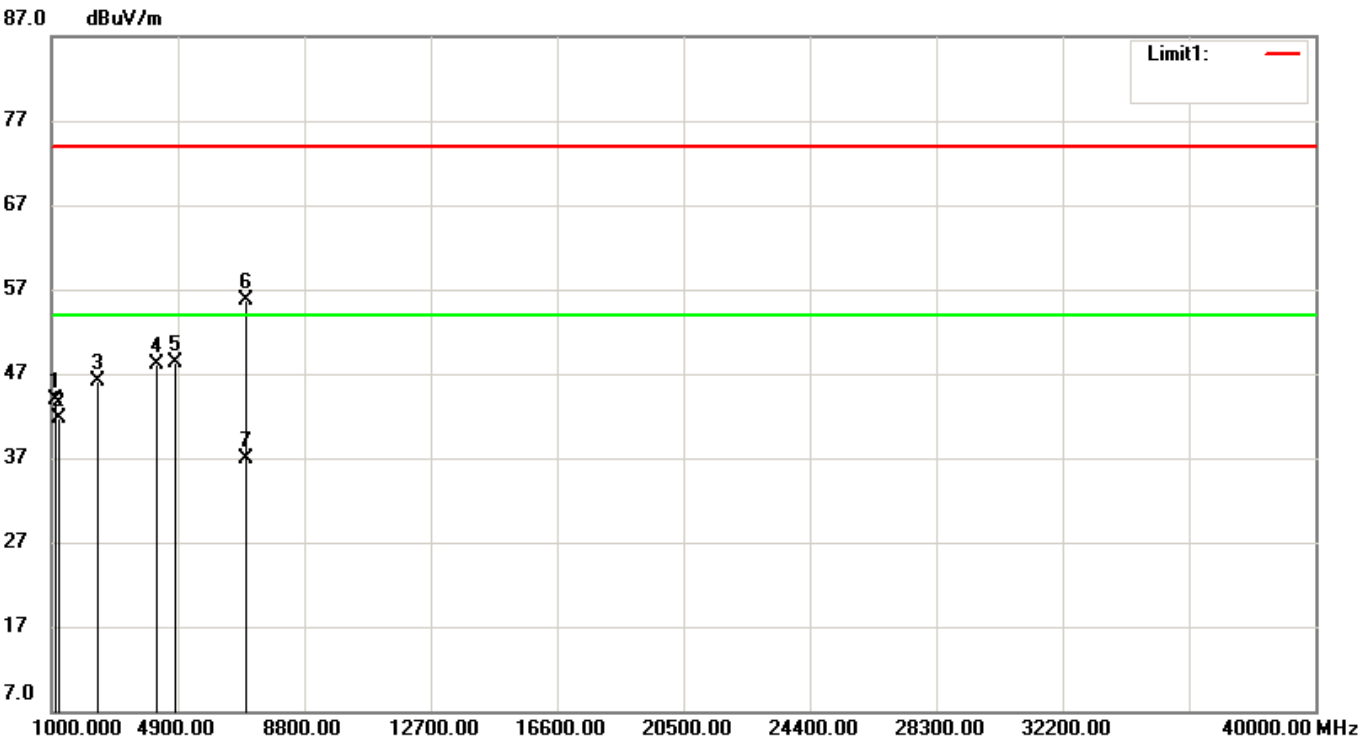
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1007.57210	50.11	peak	-9.45	40.66	74.00	-33.34
2	2075.24030	48.48	peak	-3.53	44.95	74.00	-29.05
3	2408.41340	49.42	peak	-2.66	46.76	74.00	-27.24
4	3248.91810	47.60	peak	-1.54	46.06	74.00	-27.94
5	4119.71150	47.69	peak	0.23	47.92	74.00	-26.08
6*	6991.84440	55.23	peak	3.42	58.65	74.00	-15.35
7	6991.84440	33.92	AVG	3.42	37.34	54.00	-16.66

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：5825 MHz

File: 20-07-MAS-052-5-8a #23 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



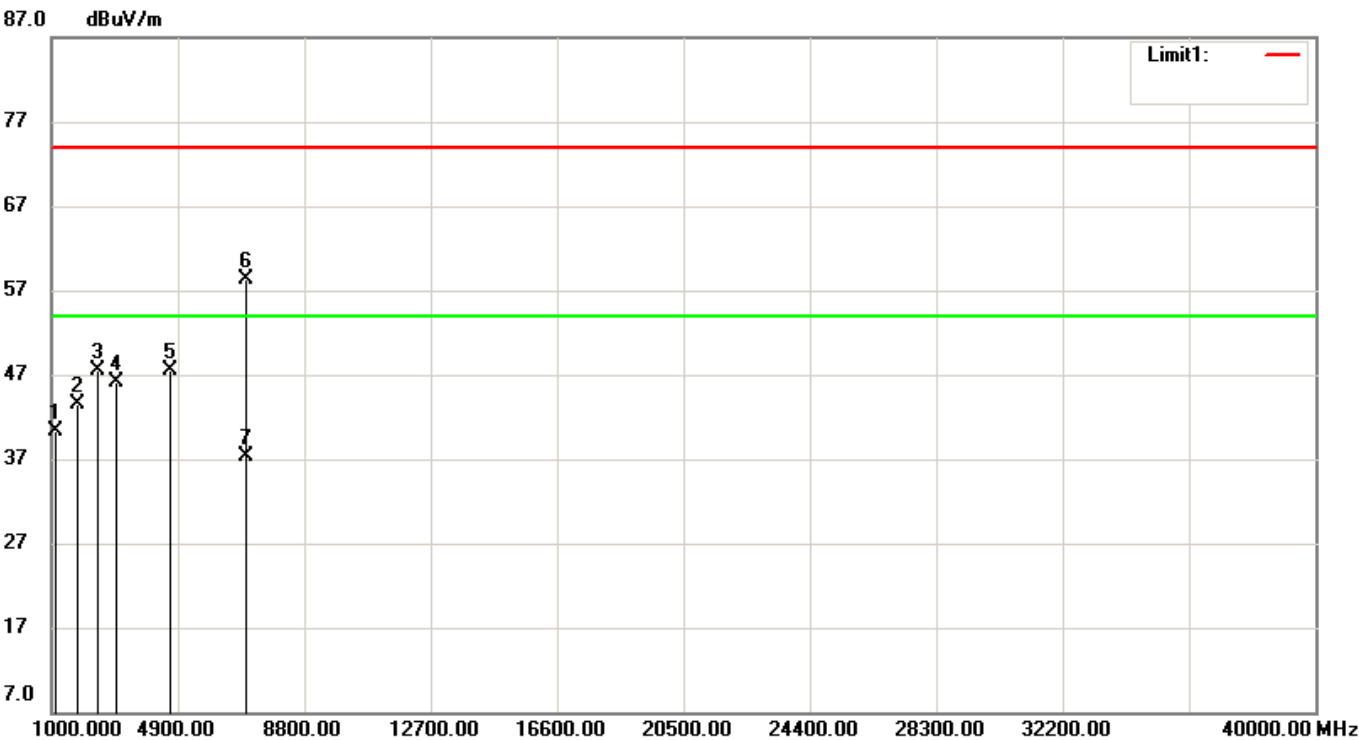
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	53.20	peak	-9.29	43.91	74.00	-30.09
2	1249.87980	50.57	peak	-8.83	41.74	74.00	-32.26
3	2408.41340	48.74	peak	-2.66	46.08	74.00	-27.92
4	4240.86530	47.74	peak	0.29	48.03	74.00	-25.97
5	4763.34130	47.27	peak	0.96	48.23	74.00	-25.77
6	6991.84440	52.20	peak	3.42	55.62	74.00	-18.38
7*	6991.84440	33.49	AVG	3.42	36.91	54.00	-17.09

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：5825 MHz

File: 20-07-MAS-052-5-8a #24 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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 (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1121.15380	49.40	peak	-9.16	40.24	74.00	-33.76
2	1764.78360	49.33	peak	-5.82	43.51	74.00	-30.49
3	2415.98550	50.21	peak	-2.64	47.57	74.00	-26.43
4	2938.46150	48.15	peak	-1.96	46.19	74.00	-27.81
5	4672.47600	46.81	peak	0.79	47.60	74.00	-26.40
6*	6992.16500	54.93	peak	3.42	58.35	74.00	-15.65
7	6992.16500	33.84	AVG	3.42	37.26	54.00	-16.74

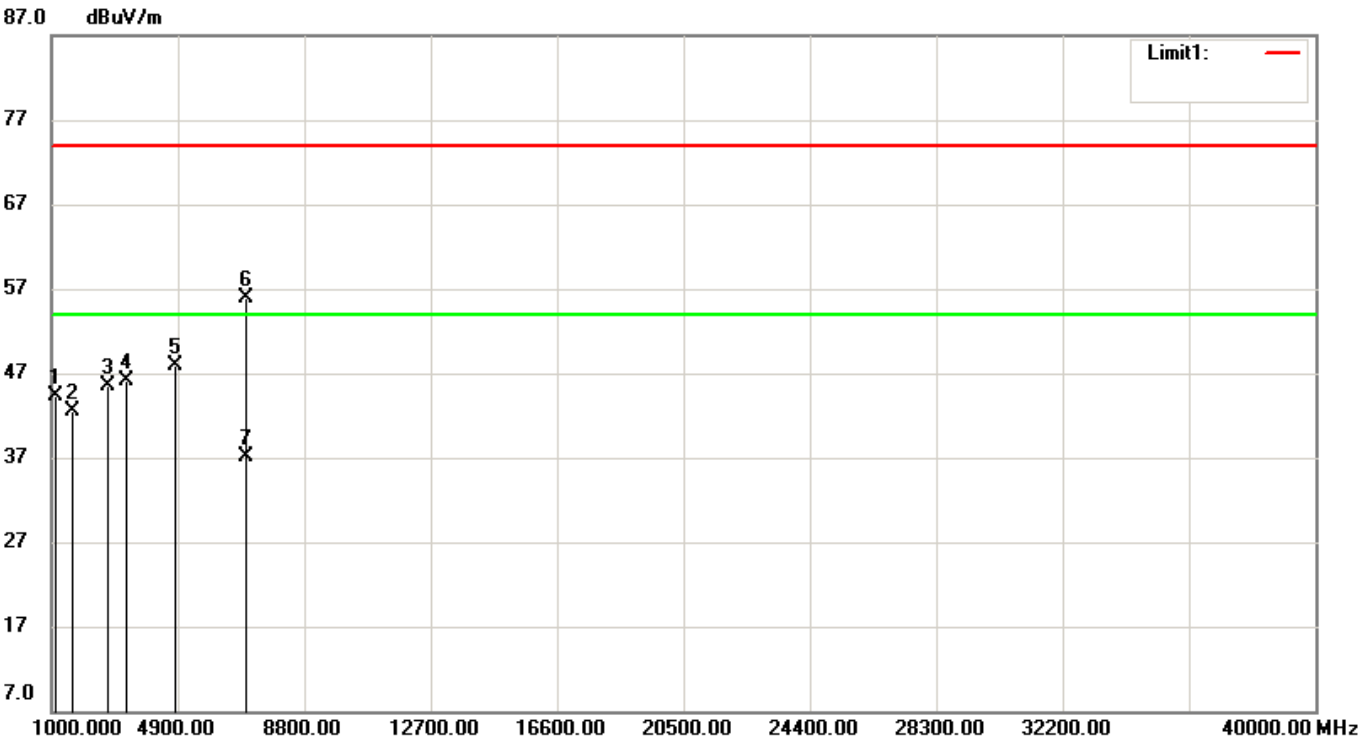
註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

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：5745 MHz

File: 20-07-MAS-052-5-8ax20 #19 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

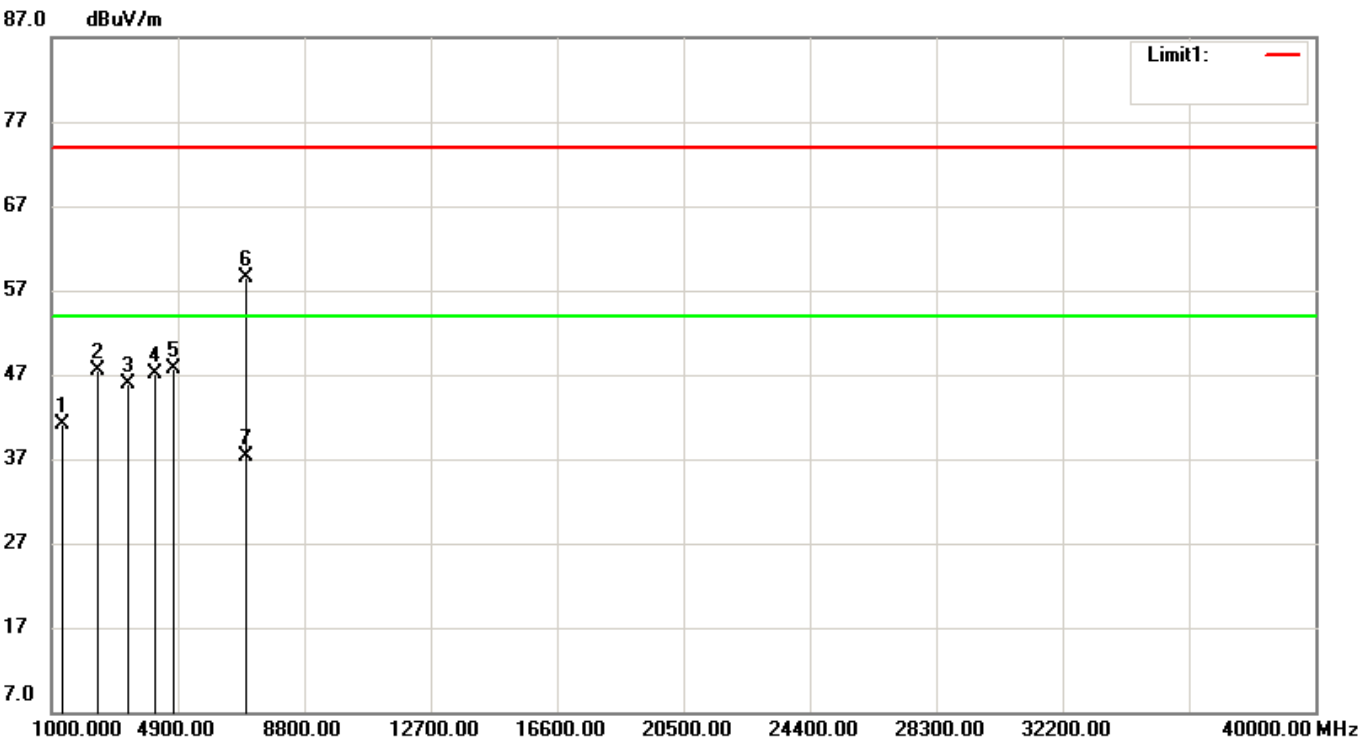
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	53.69	peak	-9.29	44.40	74.00	-29.60
2	1598.19710	49.71	peak	-7.30	42.41	74.00	-31.59
3	2726.44230	47.71	peak	-2.19	45.52	74.00	-28.48
4	3279.20670	47.63	peak	-1.49	46.14	74.00	-27.86
5	4770.91340	47.01	peak	0.98	47.99	74.00	-26.01
6	6992.64570	52.42	peak	3.42	55.84	74.00	-18.16
7*	6992.64570	33.61	AVG	3.42	37.03	54.00	-16.97

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：5745 MHz

File: 20-07-MAS-052-5-8ax20 #20 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



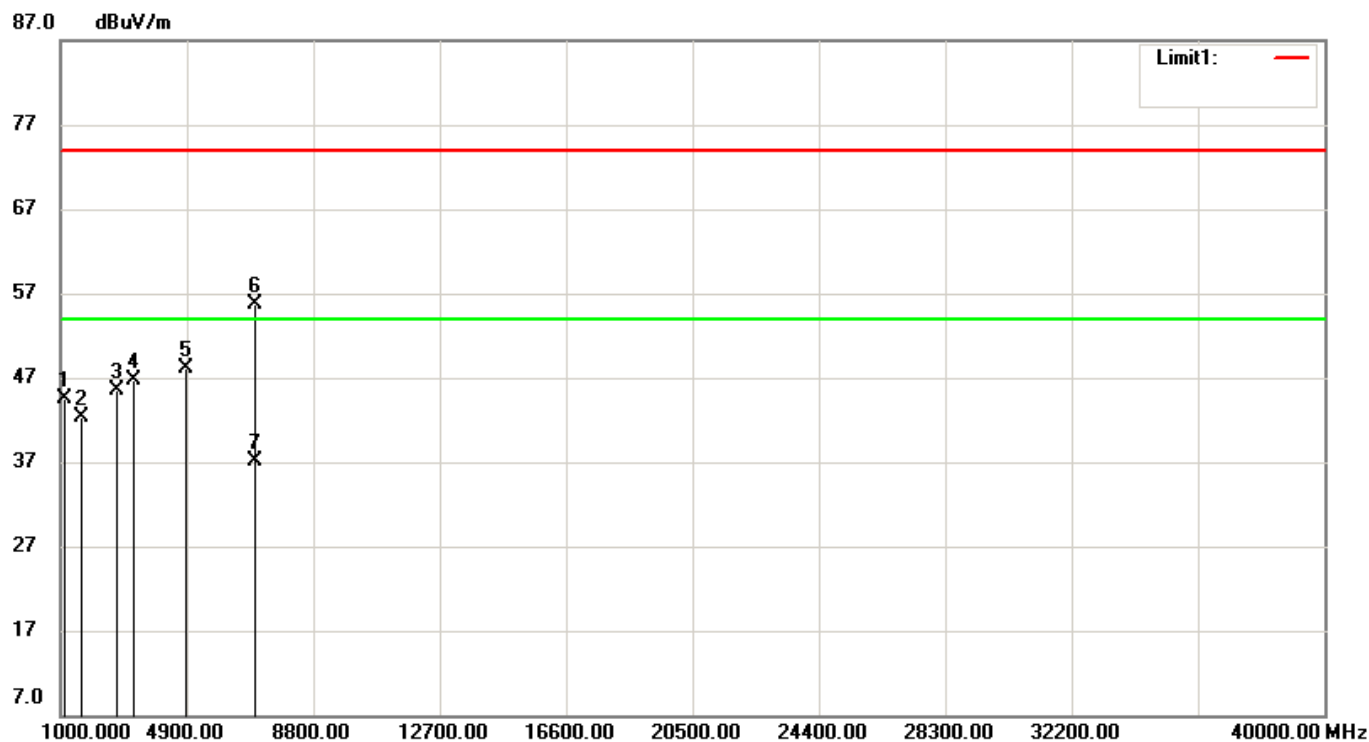
Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH LOW-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1280.16820	49.81	peak	-8.74	41.07	74.00	-32.93
2	2415.98550	50.18	peak	-2.64	47.54	74.00	-26.46
3	3317.06730	47.31	peak	-1.44	45.87	74.00	-28.13
4	4165.14420	46.88	peak	0.25	47.13	74.00	-26.87
5	4733.05280	46.89	peak	0.91	47.80	74.00	-26.20
6*	6991.52400	55.01	peak	3.42	58.43	74.00	-15.57
7	6991.52400	33.89	AVG	3.42	37.31	54.00	-16.69

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：5785 MHz

Humidity: 59 %



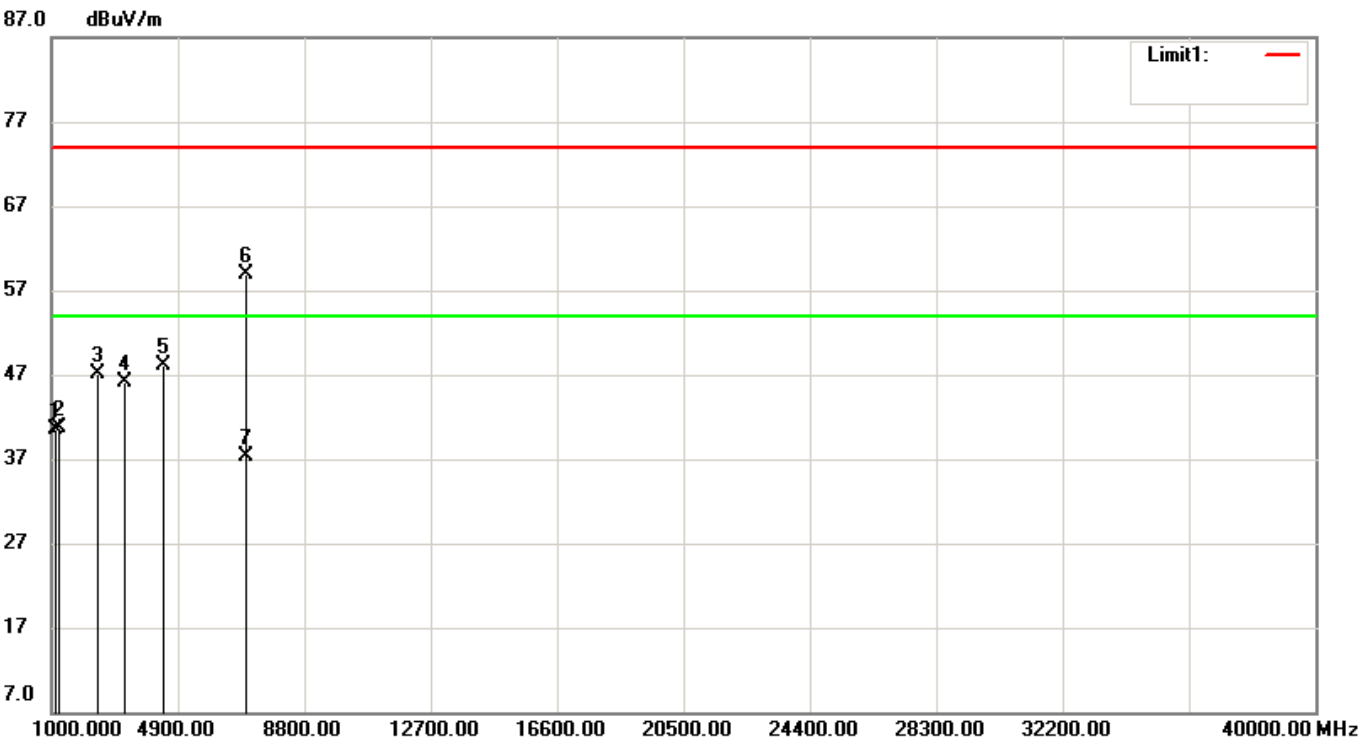
Polarization:	Horizontal
Distance:	3m
Operator:	Phillip

No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBuV/m)		dB/m	(dBuV/m)	(dBuV/m)	(dB)
1	1068.14900	53.76	peak	-9.29	44.47	74.00	-29.53
2	1590.62500	49.75	peak	-7.38	42.37	74.00	-31.63
3	2726.44230	47.70	peak	-2.19	45.51	74.00	-28.49
4	3226.20200	48.32	peak	-1.57	46.75	74.00	-27.25
5	4846.63460	47.05	peak	1.12	48.17	74.00	-25.83
6	6991.67770	52.21	peak	3.42	55.63	74.00	-18.37
7*	6991.67770	33.66	AVG	3.42	37.08	54.00	-16.92

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：5785 MHz

File: 20-07-MAS-052-5-8ax20 #22 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

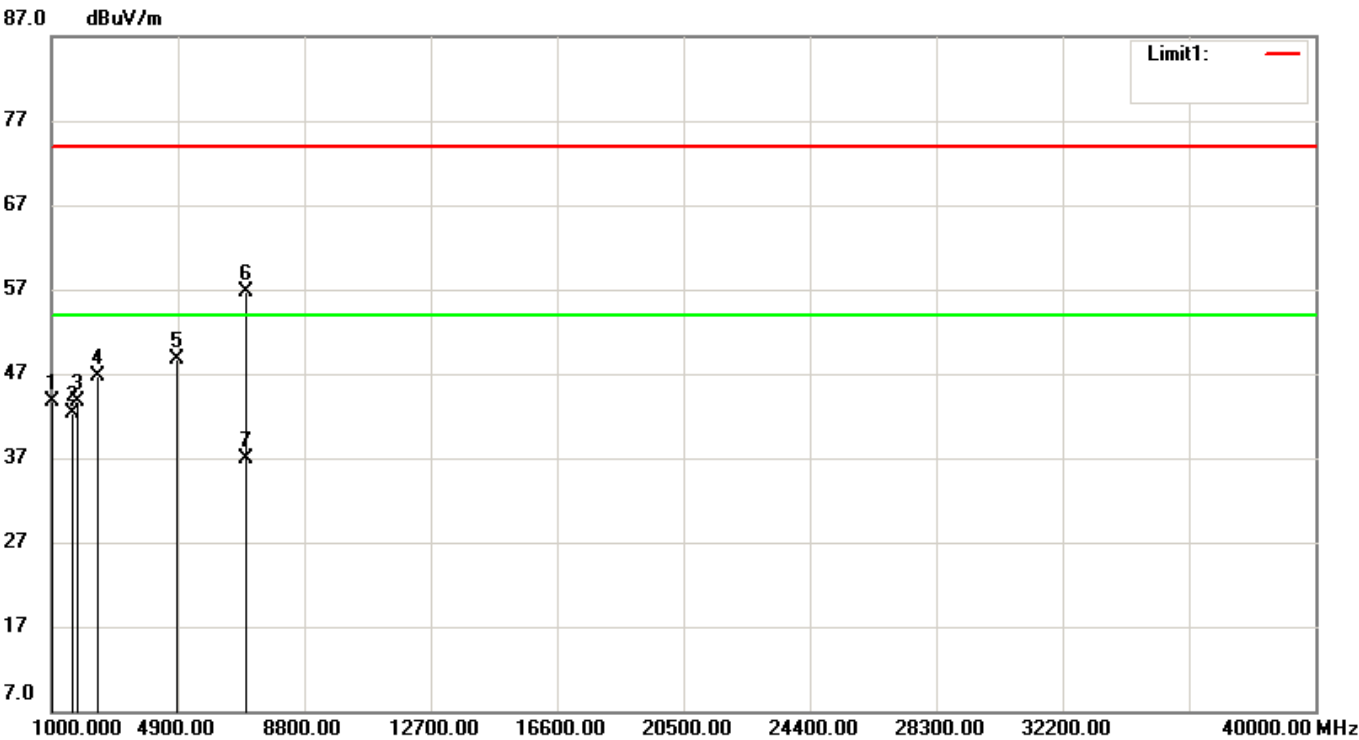
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	49.84	peak	-9.29	40.55	74.00	-33.45
2	1249.87980	49.55	peak	-8.83	40.72	74.00	-33.28
3	2408.41340	49.72	peak	-2.66	47.06	74.00	-26.94
4	3188.34130	47.66	peak	-1.62	46.04	74.00	-27.96
5	4407.45200	47.75	peak	0.41	48.16	74.00	-25.84
6*	6991.83800	55.50	peak	3.42	58.92	74.00	-15.08
7	6991.83800	33.85	AVG	3.42	37.27	54.00	-16.73

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：5825 MHz

File: 20-07-MAS-052-5-8ax20 #23 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



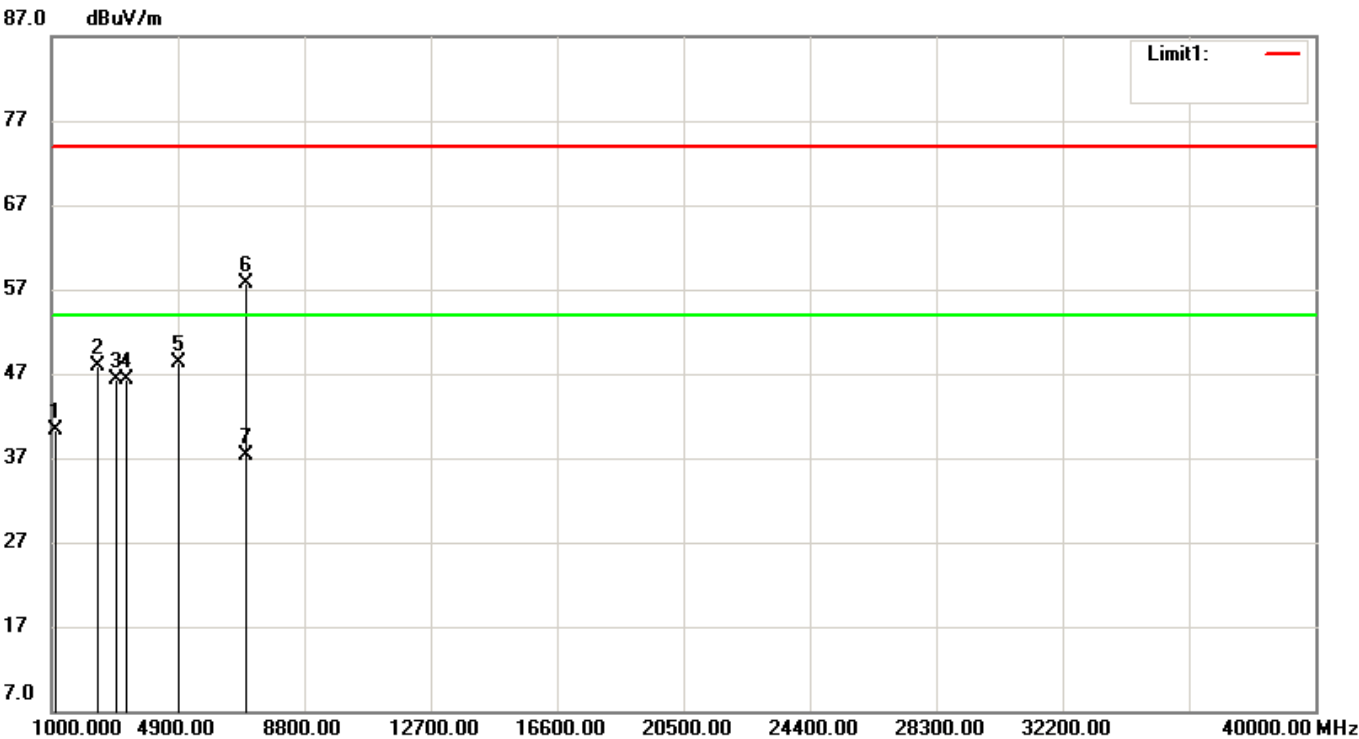
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1060.57700	53.00	peak	-9.31	43.69	74.00	-30.31
2	1598.19710	49.56	peak	-7.30	42.26	74.00	-31.74
3	1795.07210	49.30	peak	-5.55	43.75	74.00	-30.25
4	2408.41340	49.41	peak	-2.66	46.75	74.00	-27.25
5	4839.06250	47.67	peak	1.11	48.78	74.00	-25.22
6	6997.15850	53.26	peak	3.42	56.68	74.00	-17.32
7*	6997.15850	33.51	AVG	3.42	36.93	54.00	-17.07

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：5825 MHz

File: 20-07-MAS-052-5-8ax20 #24 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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 (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1075.72110	49.59	peak	-9.28	40.31	74.00	-33.69
2	2408.41340	50.57	peak	-2.66	47.91	74.00	-26.09
3	2953.60560	48.20	peak	-1.96	46.24	74.00	-27.76
4	3294.35100	47.82	peak	-1.47	46.35	74.00	-27.65
5	4892.06730	47.07	peak	1.20	48.27	74.00	-25.73
6*	6991.70980	54.38	peak	3.42	57.80	74.00	-16.20
7	6991.70980	33.87	AVG	3.42	37.29	54.00	-16.71

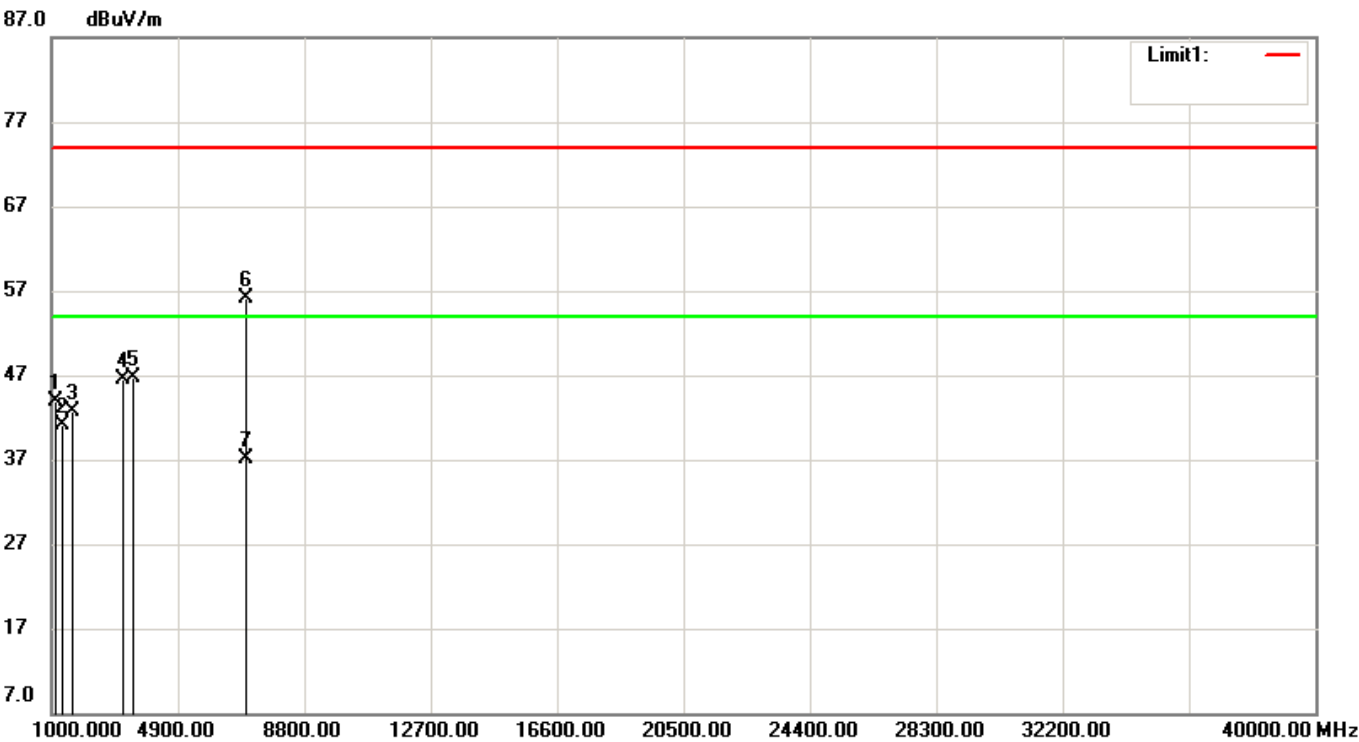
註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

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：5755 MHz

File: 20-07-MAS-052-5-8ax40 #13 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

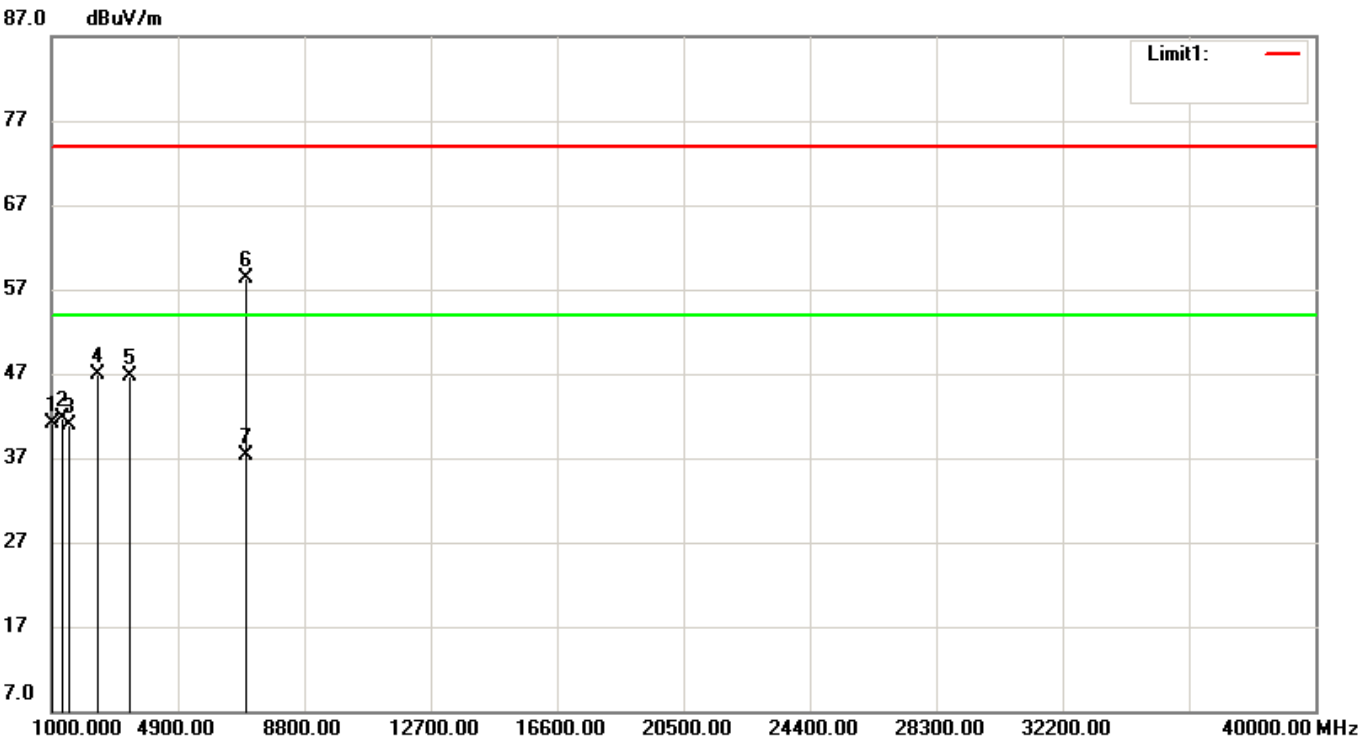
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	53.12	peak	-9.29	43.83	74.00	-30.17
2	1280.16820	49.85	peak	-8.74	41.11	74.00	-32.89
3	1590.62500	50.05	peak	-7.38	42.67	74.00	-31.33
4	3180.76920	48.06	peak	-1.64	46.42	74.00	-27.58
5	3460.93750	48.00	peak	-1.23	46.77	74.00	-27.23
6	6991.99180	52.78	peak	3.42	56.20	74.00	-17.80
7*	6991.99180	33.61	AVG	3.42	37.03	54.00	-16.97

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：5755 MHz

File: 20-07-MAS-052-5-8ax40 #14 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

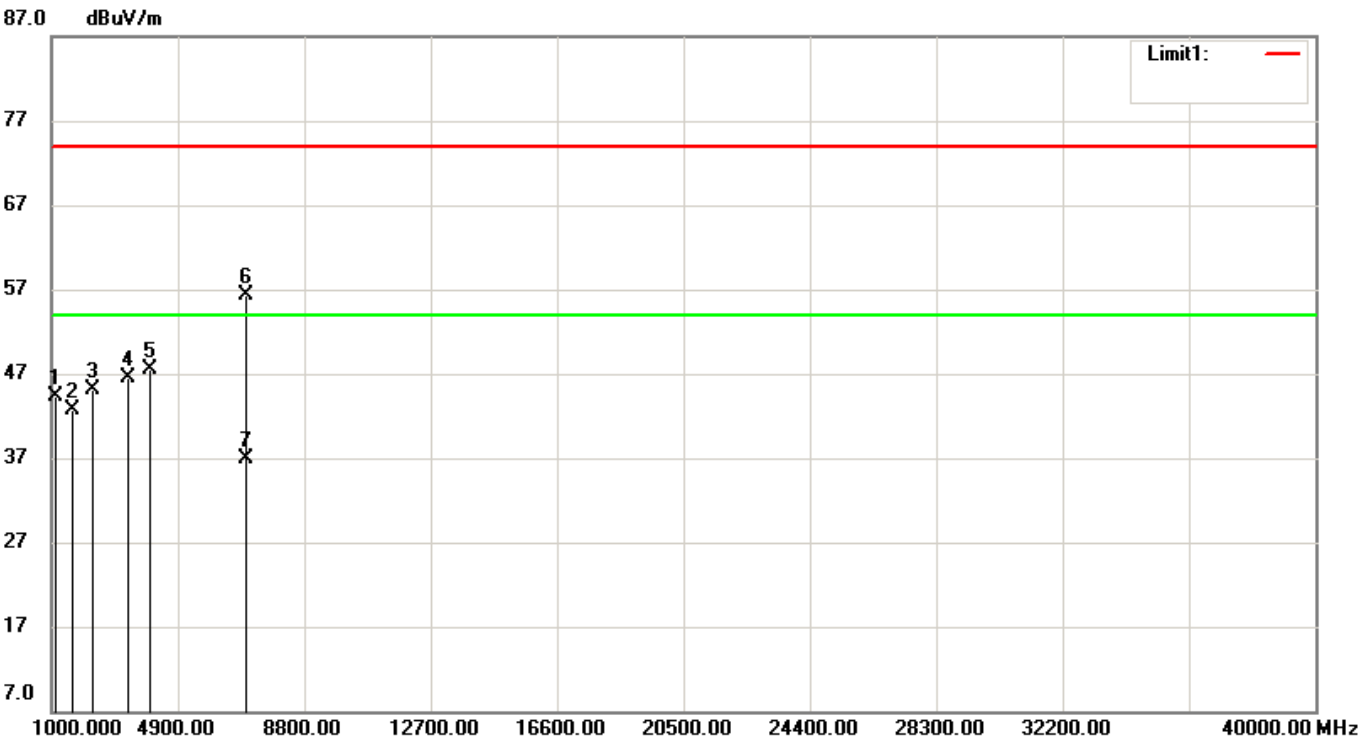
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1045.43260	50.49	peak	-9.35	41.14	74.00	-32.86
2	1257.45200	50.50	peak	-8.80	41.70	74.00	-32.30
3	1545.19230	48.70	peak	-7.78	40.92	74.00	-33.08
4	2408.41340	49.52	peak	-2.66	46.86	74.00	-27.14
5	3392.78840	47.95	peak	-1.33	46.62	74.00	-27.38
6*	6992.15210	54.85	peak	3.42	58.27	74.00	-15.73
7	6992.15210	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: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

b. Channel High

操作模式：發射接收
基本波頻率：5795 MHz

File: 20-07-MAS-052-5-8ax40 #15 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



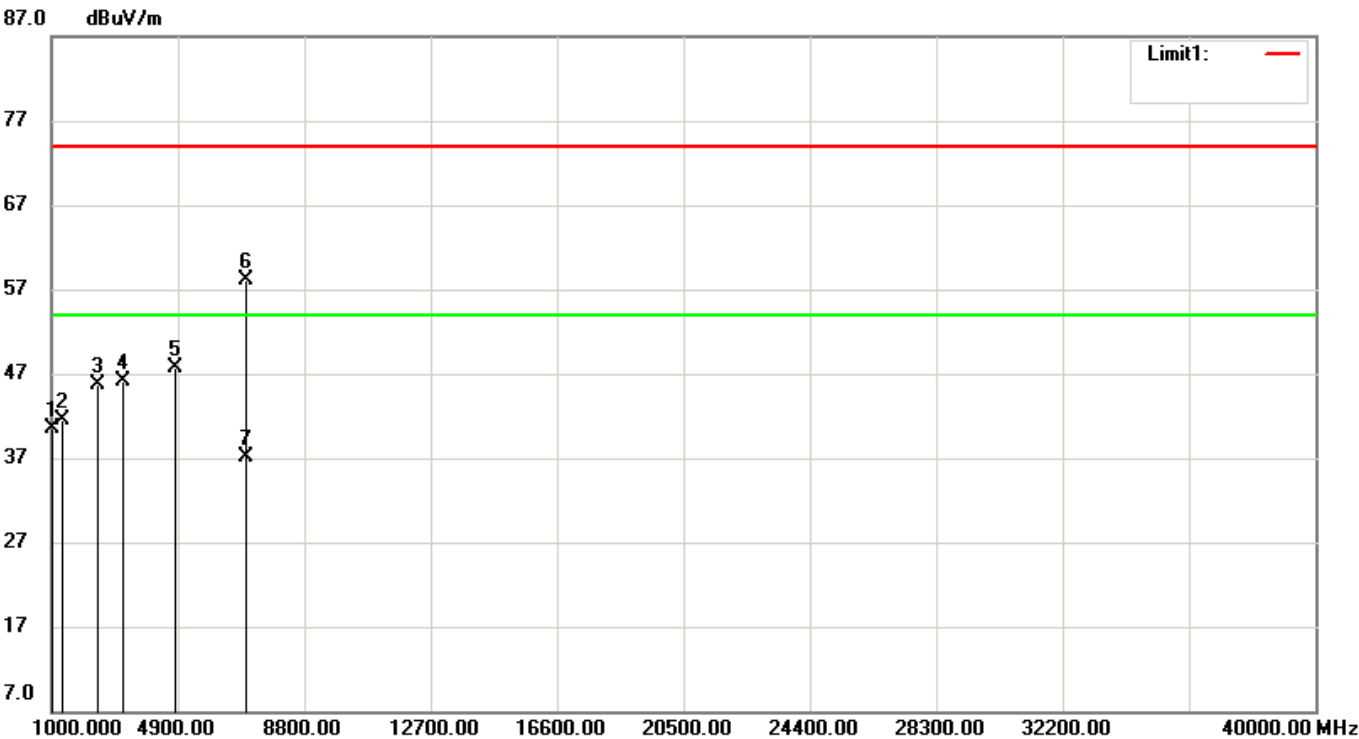
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	53.68	peak	-9.29	44.39	74.00	-29.61
2	1598.19710	50.06	peak	-7.30	42.76	74.00	-31.24
3	2211.53840	48.28	peak	-3.17	45.11	74.00	-28.89
4	3339.78360	47.84	peak	-1.40	46.44	74.00	-27.56
5	4036.41820	47.31	peak	0.17	47.48	74.00	-26.52
6	6991.67130	52.79	peak	3.42	56.21	74.00	-17.79
7*	6991.67130	33.54	AVG	3.42	36.96	54.00	-17.04

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：5795 MHz

File: 20-07-MAS-052-5-8ax40 #16 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

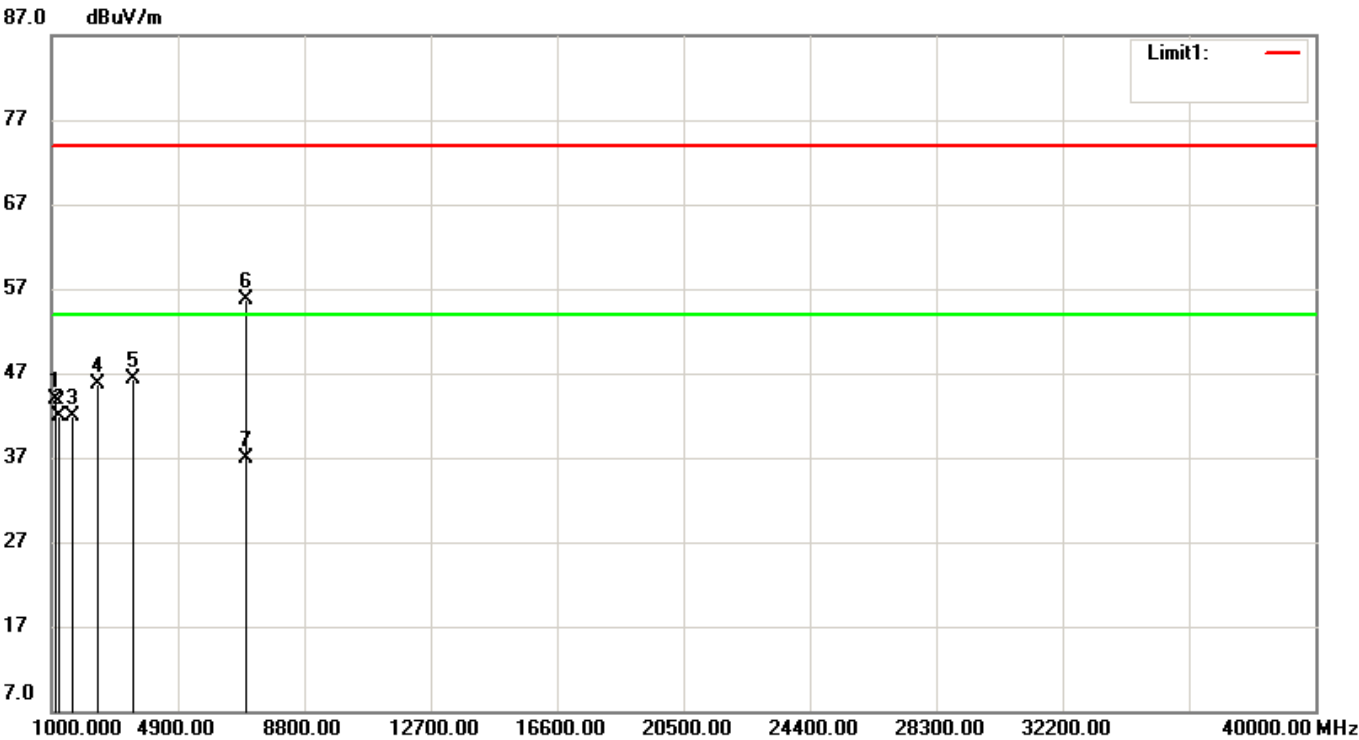
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1045.43260	49.87	peak	-9.35	40.52	74.00	-33.48
2	1257.45200	50.37	peak	-8.80	41.57	74.00	-32.43
3	2408.41340	48.34	peak	-2.66	45.68	74.00	-28.32
4	3127.76440	47.74	peak	-1.71	46.03	74.00	-27.97
5	4770.91340	46.77	peak	0.98	47.75	74.00	-26.25
6*	6992.31230	54.63	peak	3.42	58.05	74.00	-15.95
7	6992.31230	33.78	AVG	3.42	37.20	54.00	-16.80

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：5775 MHz

File: 20-07-MAS-052-5-8ax80 #13 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



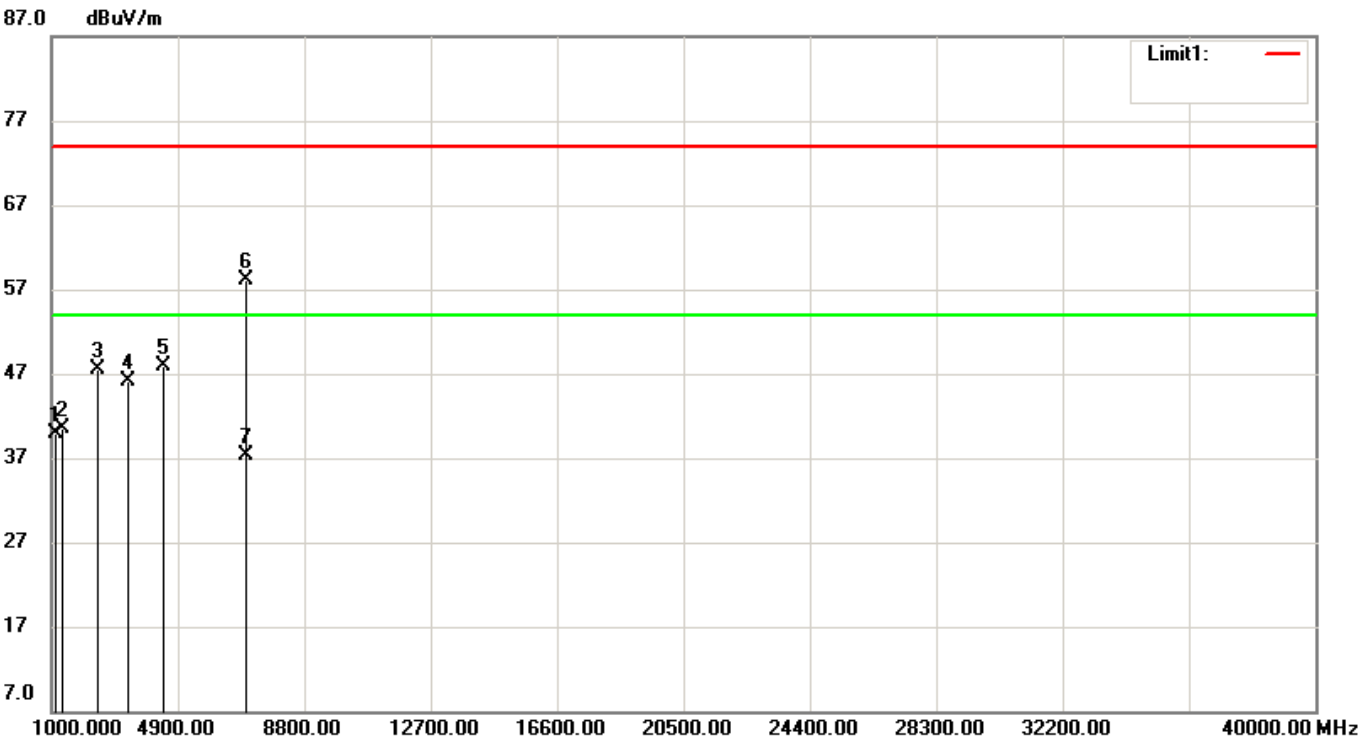
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: CH LOW-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1068.14900	53.10	peak	-9.29	43.81	74.00	-30.19
2	1227.16340	50.87	peak	-8.88	41.99	74.00	-32.01
3	1598.19710	49.14	peak	-7.30	41.84	74.00	-32.16
4	2408.41340	48.39	peak	-2.66	45.73	74.00	-28.27
5	3460.93750	47.57	peak	-1.23	46.34	74.00	-27.66
6	6992.31230	52.26	peak	3.42	55.68	74.00	-18.32
7*	6992.31230	33.58	AVG	3.42	37.00	54.00	-17.00

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：5775 MHz

File: 20-07-MAS-052-5-8ax80 #14 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



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

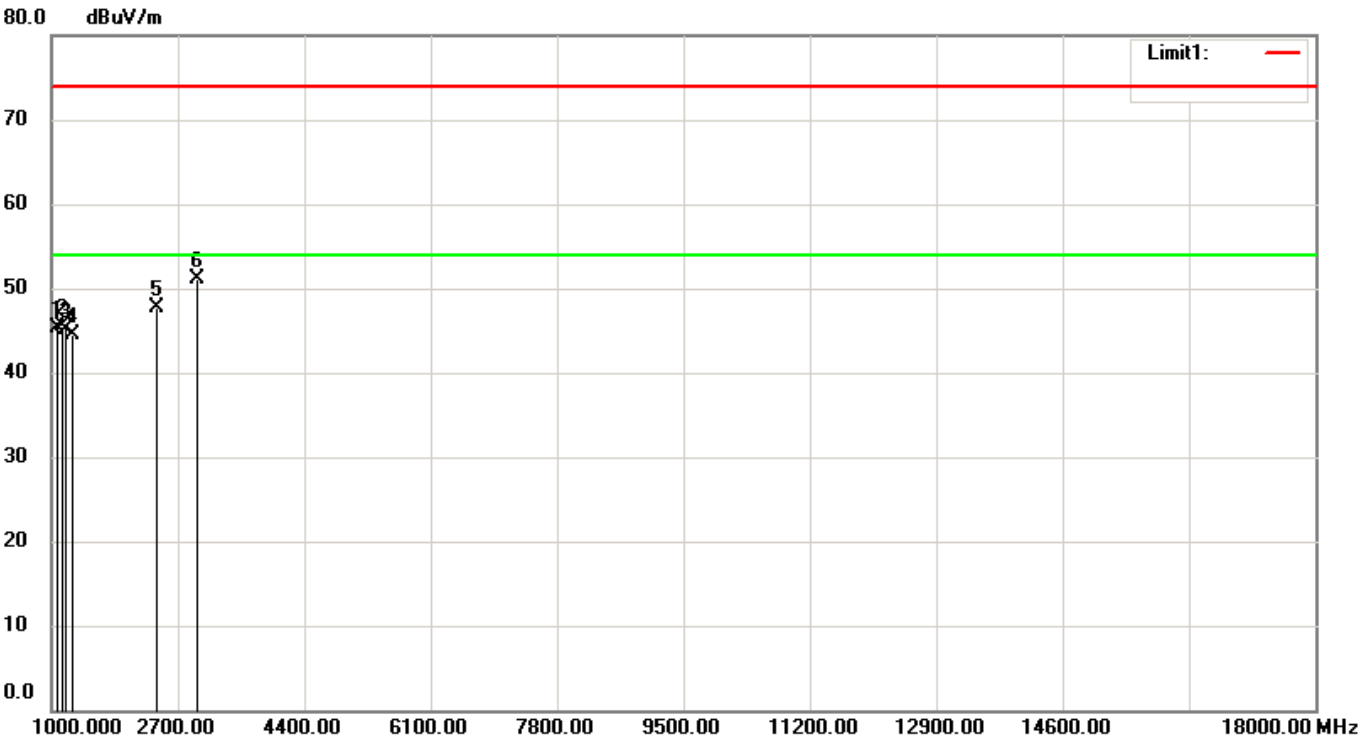
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1075.72110	49.26	peak	-9.28	39.98	74.00	-34.02
2	1257.45200	49.40	peak	-8.80	40.60	74.00	-33.40
3	2408.41340	50.15	peak	-2.66	47.49	74.00	-26.51
4	3370.07210	47.54	peak	-1.36	46.18	74.00	-27.82
5	4407.45200	47.43	peak	0.41	47.84	74.00	-26.16
6*	6992.15210	54.78	peak	3.42	58.20	74.00	-15.80
7	6992.15210	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 %



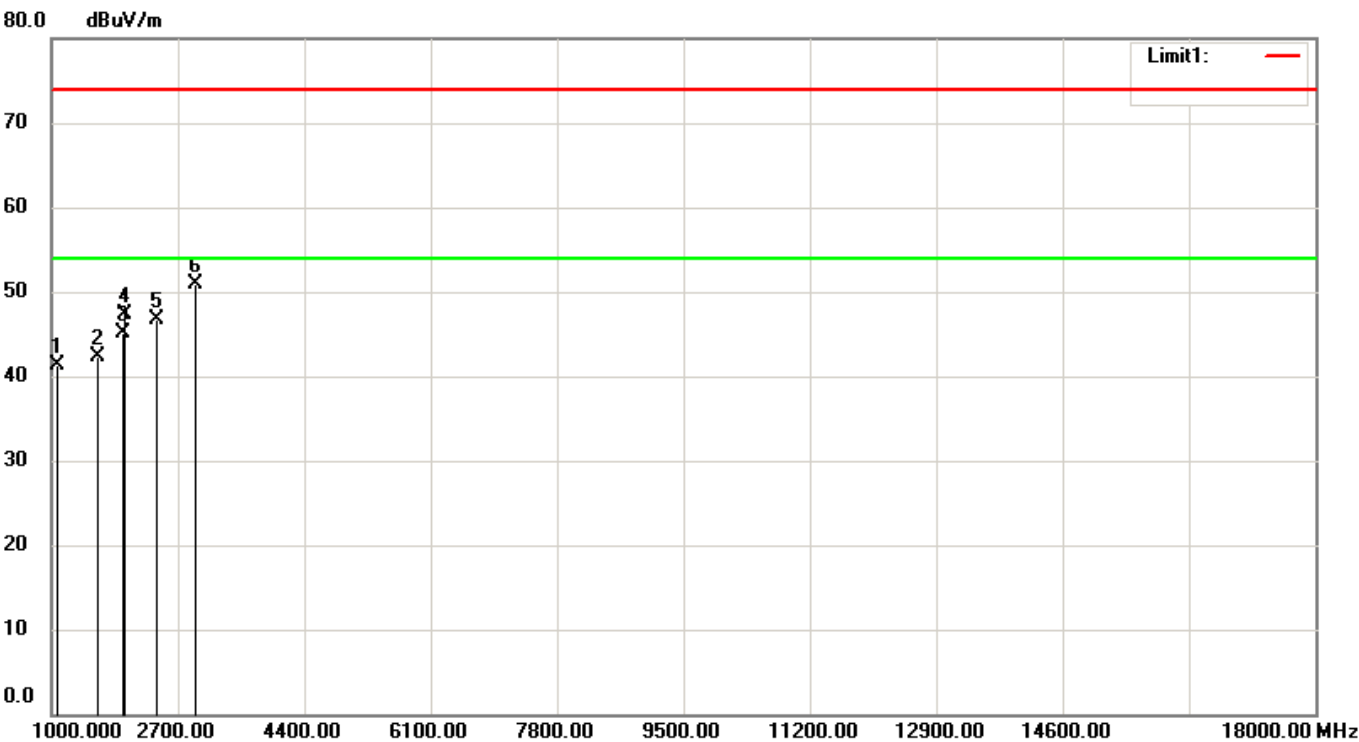
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: BD Playing + HDMI + Bluetooth + LAN + USB Cable 1

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 %



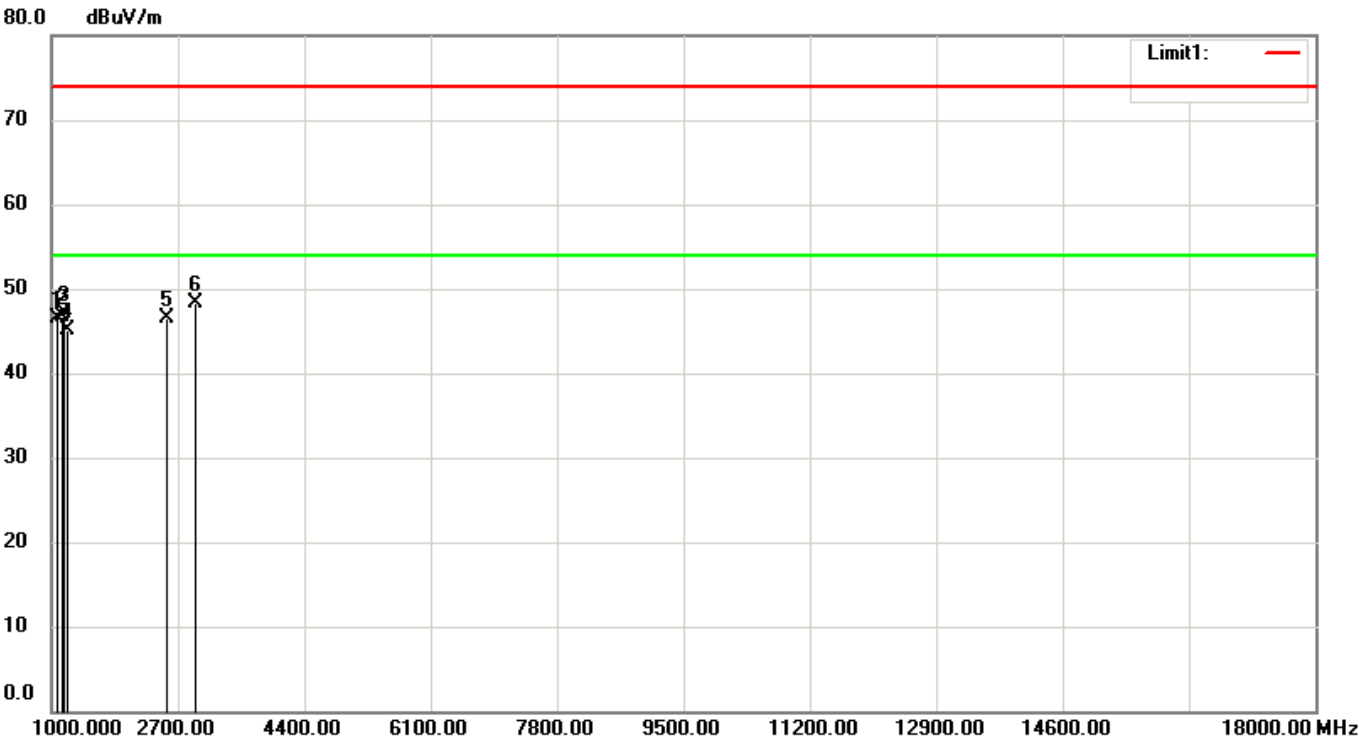
Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: BD Playing + HDMI + Bluetooth + LAN + USB Cable 1

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: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

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

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



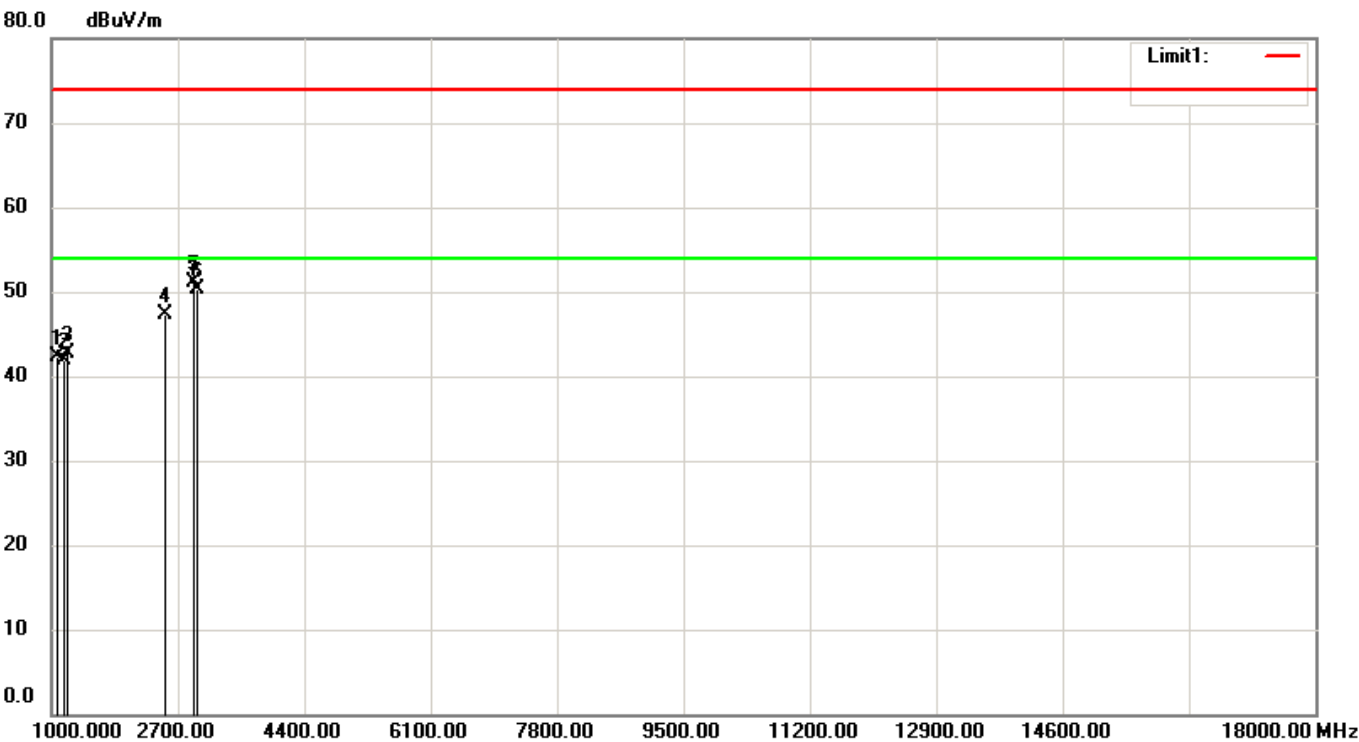
Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: Game + HDMI + Bluetooth + WiFi + LAN + USB Cable 2

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

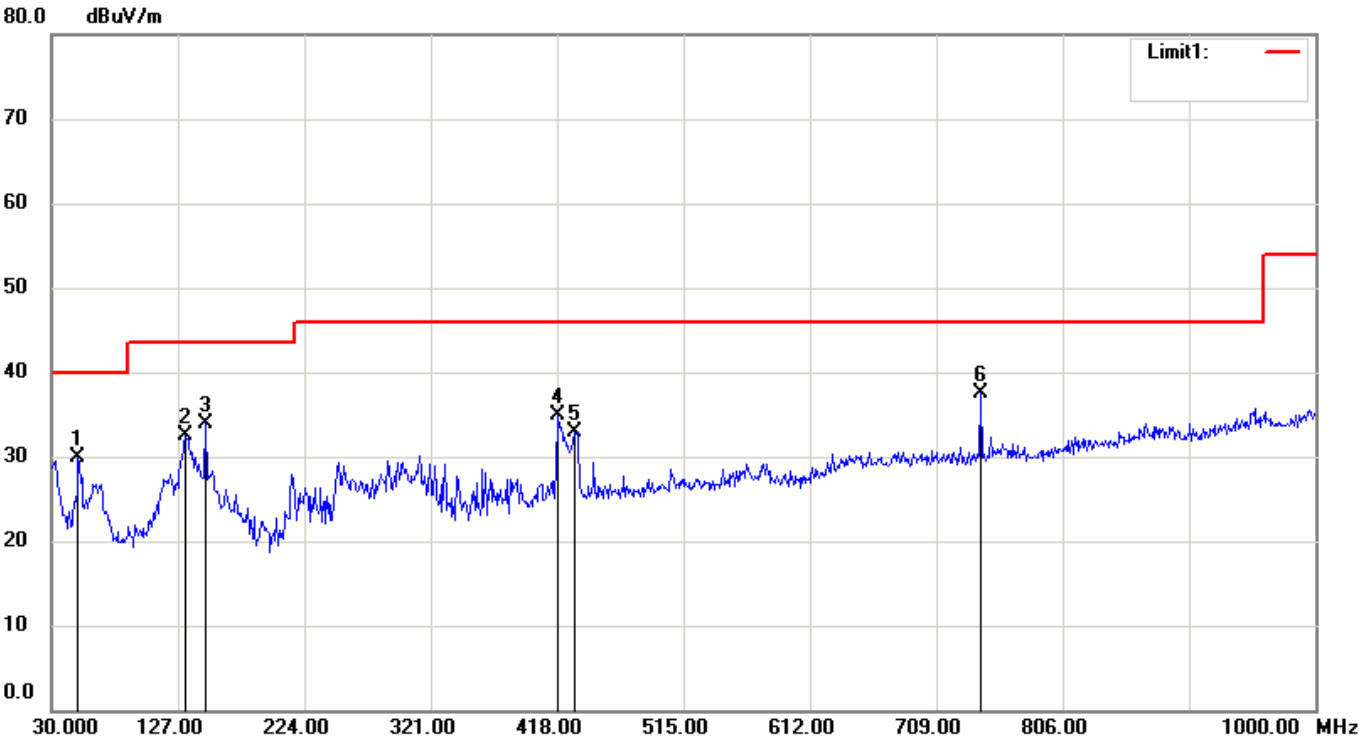
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1072.11510	51.51	peak	-9.28	42.23	74.00	-31.77
2	1144.23070	50.96	peak	-9.10	41.86	74.00	-32.14
3	1216.34600	51.68	peak	-8.91	42.77	74.00	-31.23
4	2522.43580	49.78	peak	-2.40	47.38	74.00	-26.62
5*	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 802.11ax (80MHz)

File: 20-07-MAS-052-Below 1G#9Date: 2020/8/18Temperature: 24 °C
Site: RE02-EMC B1-N2Humidity: 63 %



Condition: NCC_LP0002_30-1000MHzPolarization: Horizontal
EUT: PlayStation5 console(Wireless)Distance: 3m
Model: CFI-1018A
Test Mode: Band4Operator: Phillip
Note:

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	50.3700	37.18	peak	-7.26	29.92	40.00	-10.08
2	132.8200	36.31	peak	-3.75	32.56	43.50	-10.94
3	148.3400	39.03	peak	-5.03	34.00	43.50	-9.50
4	418.9700	36.56	peak	-1.66	34.90	46.00	-11.10
5	431.5800	34.39	peak	-1.58	32.81	46.00	-13.19
6*	742.9500	34.14	peak	3.41	37.55	46.00	-8.45

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

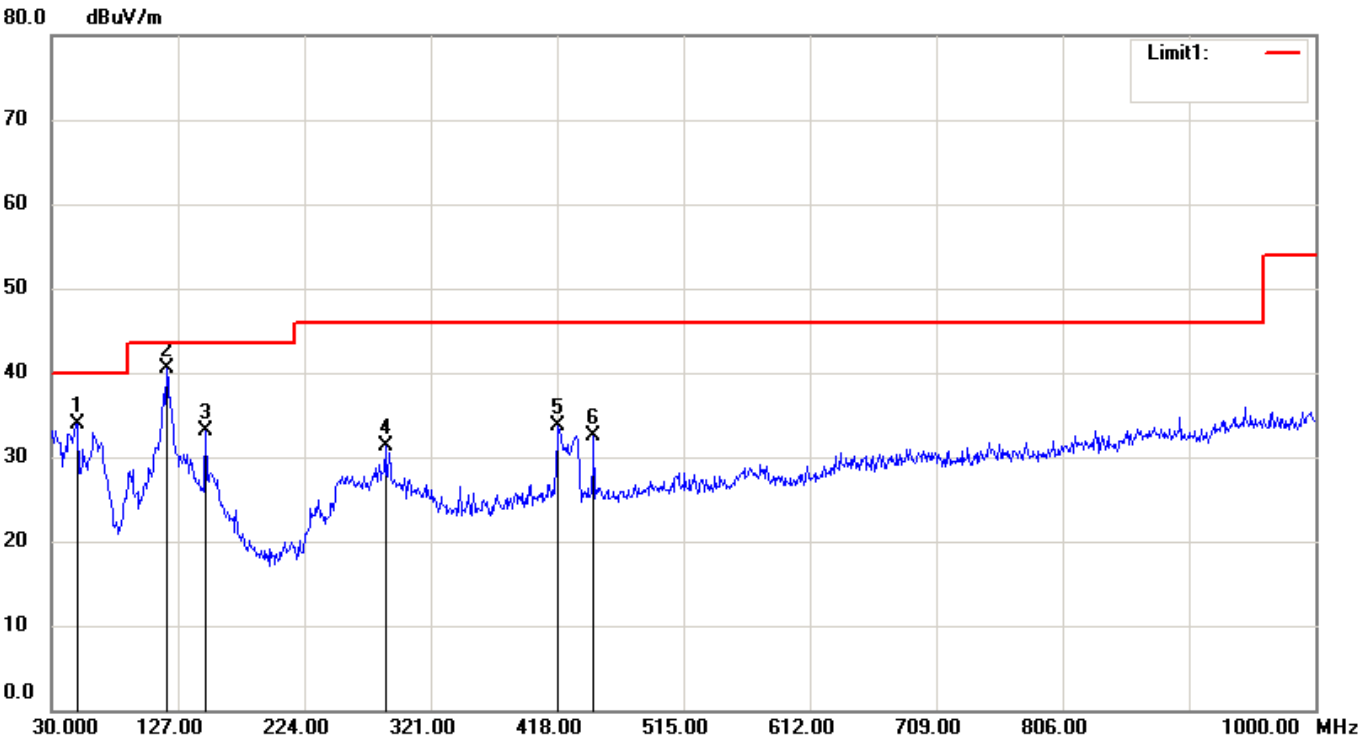
#10

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz

Polarization: Vertical

EUT: PlayStation5 console(Wireless)

Distance: 3m

Model: CFI-1018A

Operator: Phillip

Test Mode: Band4

Note:

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	49.4000	40.98	peak	-7.08	33.90	40.00	-6.10
2*	118.2700	44.75	peak	-4.20	40.55	43.50	-2.95
3	148.3400	38.15	peak	-5.03	33.12	43.50	-10.38
4	286.0800	36.17	peak	-4.81	31.36	46.00	-14.64
5	418.9700	35.32	peak	-1.66	33.66	46.00	-12.34
6	446.1300	33.93	peak	-1.48	32.45	46.00	-13.55

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

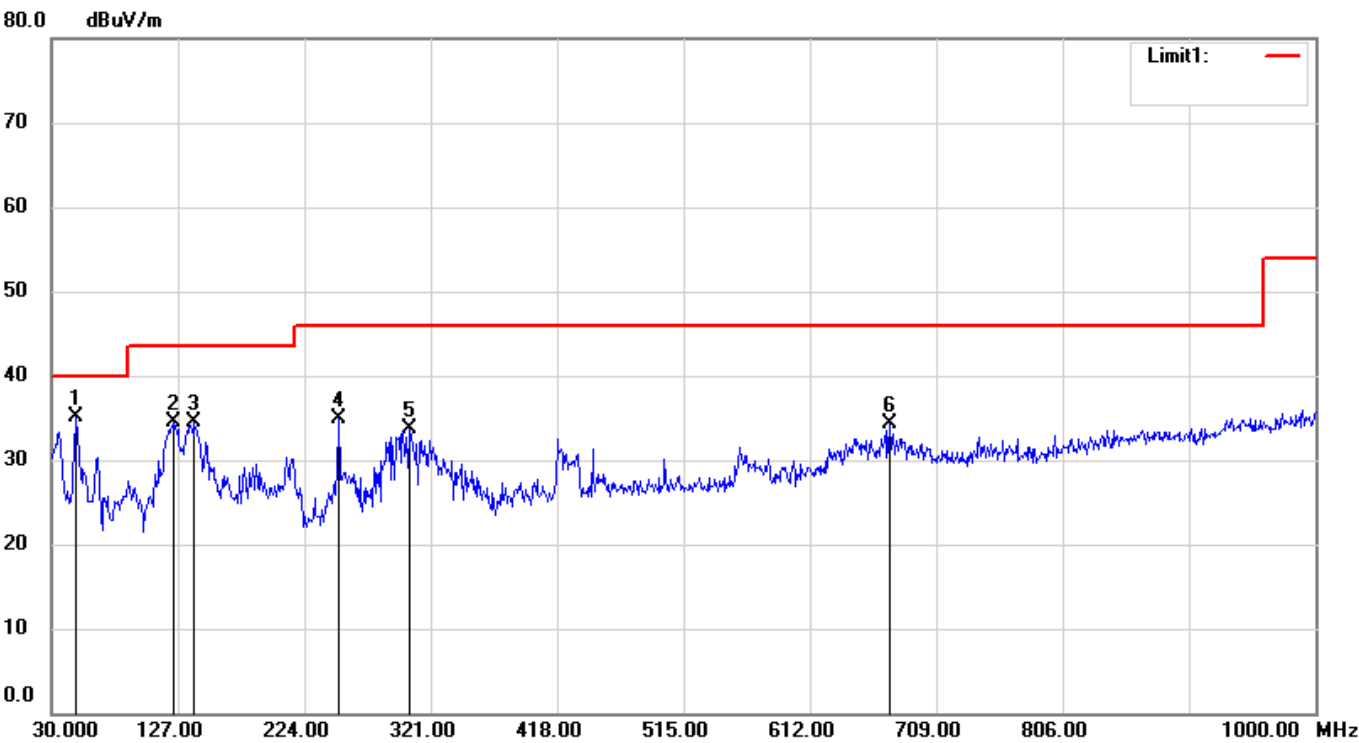
#5

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz

Polarization: Horizontal

EUT: PlayStation5 console(Wireless)

Distance: 3m

Model: CFI-1018A

Operator: Phillip

Test Mode: Normal1

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

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

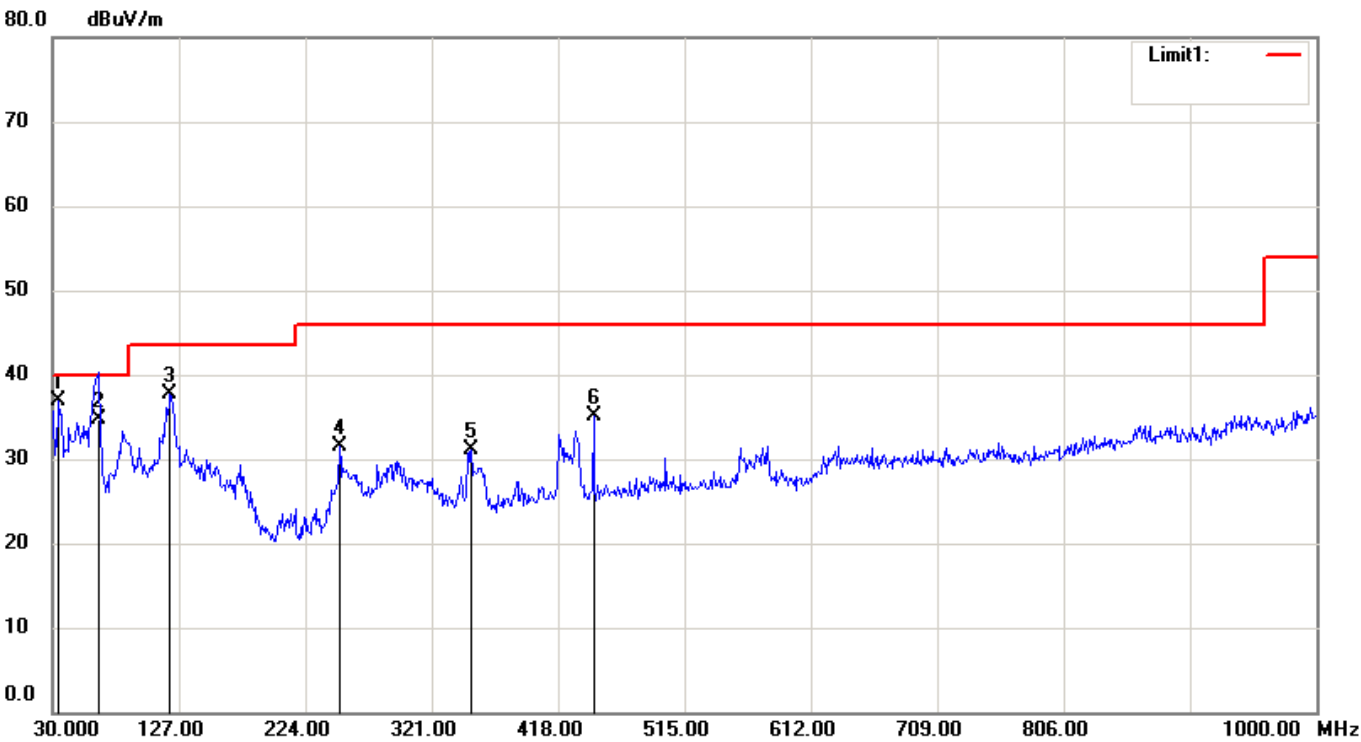
#6

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: Vertical

Distance: 3m

Operator: Phillip

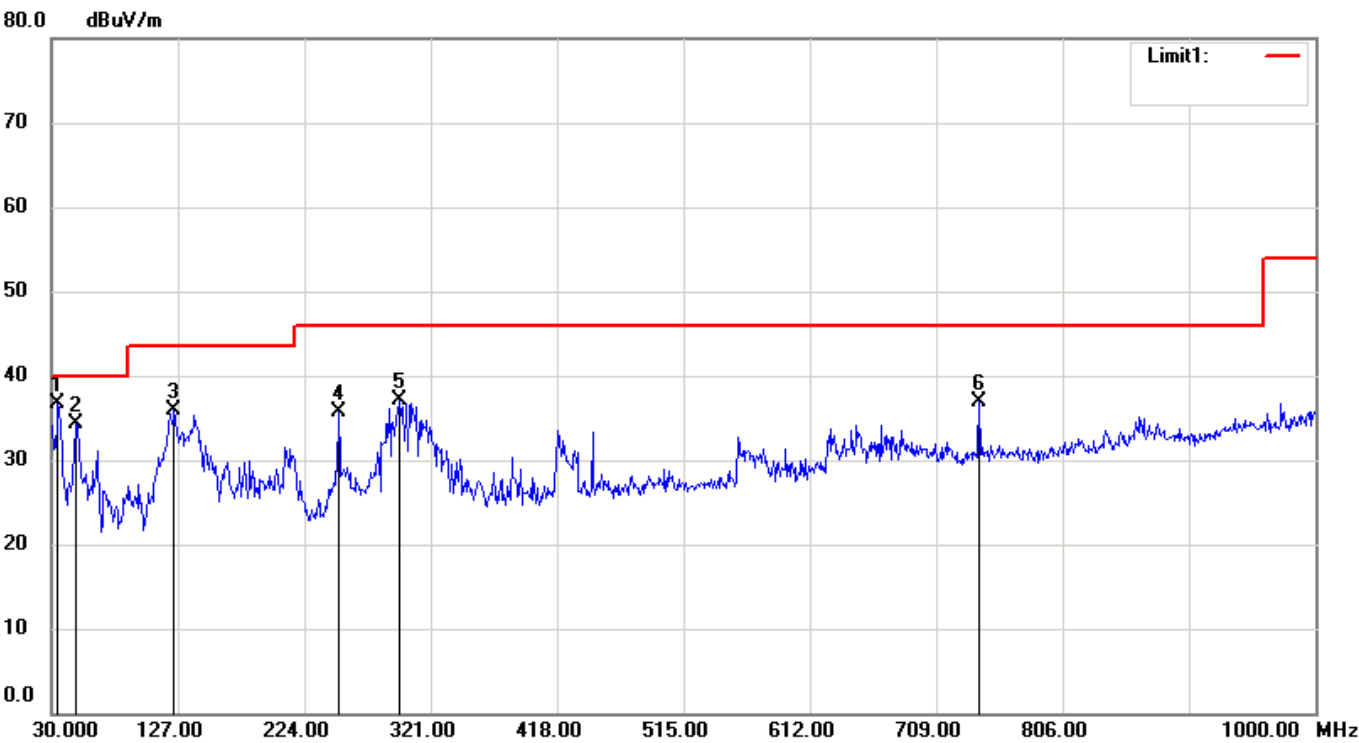
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	34.8500	41.45	QP	-4.64	36.81	40.00	-3.19
2	64.5800	45.49	QP	-10.79	34.70	40.00	-5.30
3	120.2100	41.80	QP	-4.03	37.77	43.50	-5.73
4	250.1900	37.93	QP	-6.52	31.41	46.00	-14.59
5	351.0700	34.53	QP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

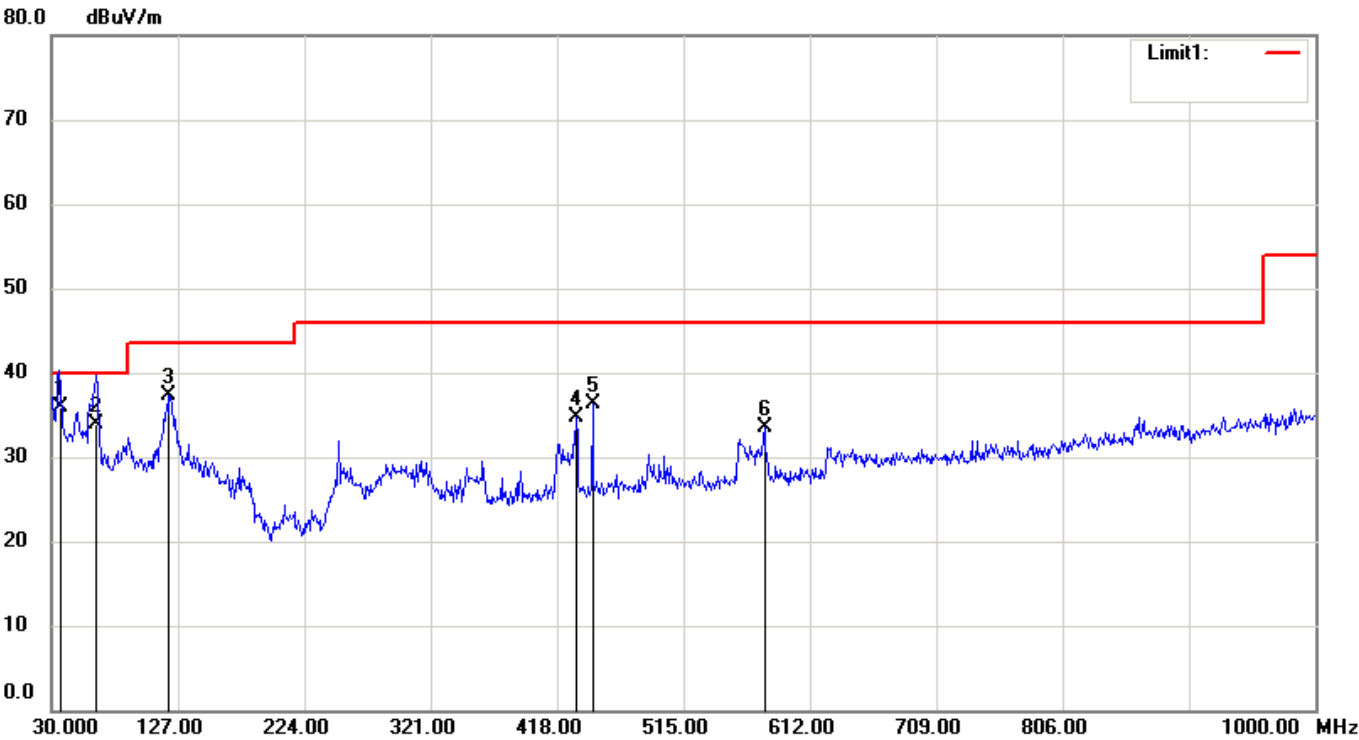
File: 20-07-MAS-052-Normal mode #7 Date: 2020/8/18 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal2 Operator: Phillip
Note: Game + HDMI + BT + WiFi + USB Cable 2

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 #8 Date: 2020/8/18 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal2 Operator: Phillip
Note: Game + HDMI + BT + WiFi + USB Cable 2

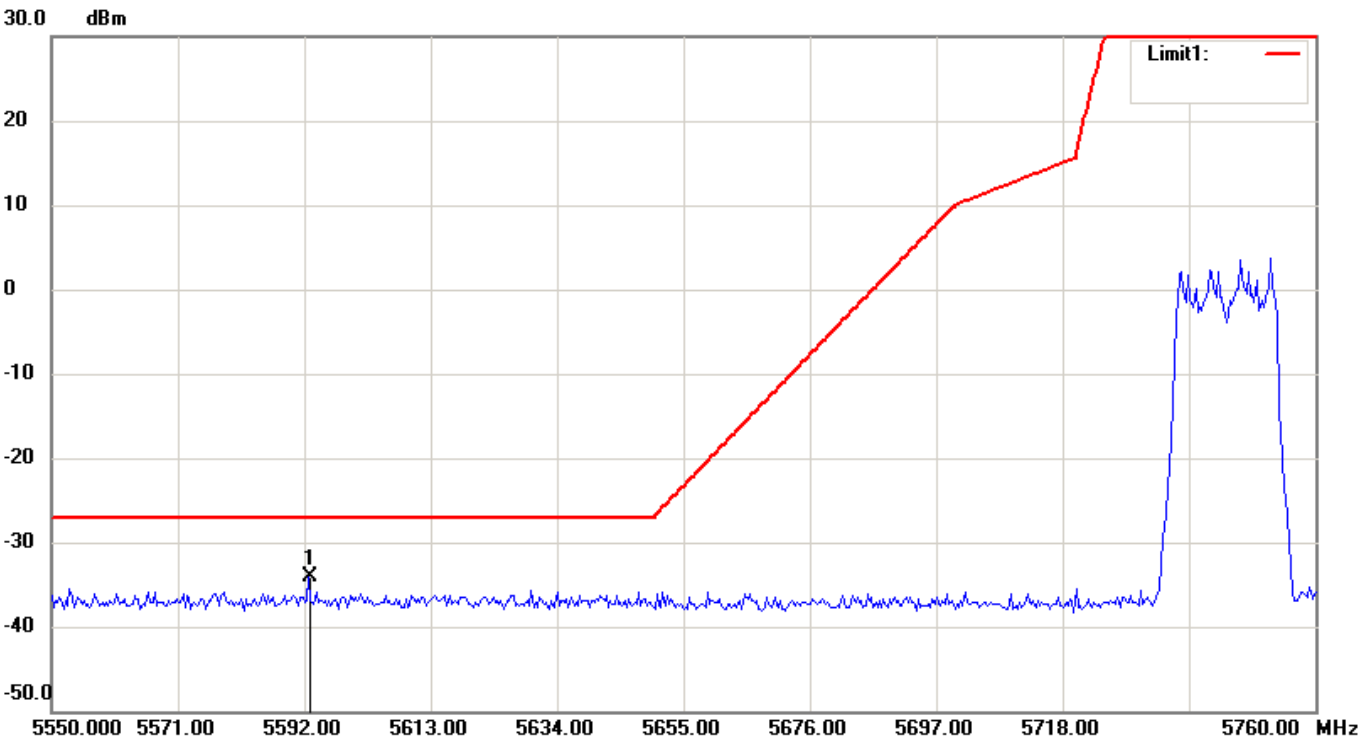
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	35.8400	40.81	QP	-4.81	36.00	40.00	-4.00
2	63.5800	44.46	QP	-10.46	34.00	40.00	-6.00
3	120.2100	41.41	QP	-4.03	37.38	43.50	-6.12
4	432.5500	36.20	QP	-1.58	34.62	46.00	-11.38
5	445.1600	37.87	QP	-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 頻帶外邊輻射量測之量測結果

調變技術: IEEE 802.11a

File: 20-07-MAS-052-5-8a #26 Date: 2020/8/17 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 59 %



Condition: 5.8G Bandedge Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: UNII Operator: Phillip
Note: Low Bandedge

No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBm)		dB	(dBm)	(dBm)	(dB)
1*	5592.74040	-85.11	peak	51.04	-34.07	-27.00	-7.07

File: 20-07-MAS-052-5-8a

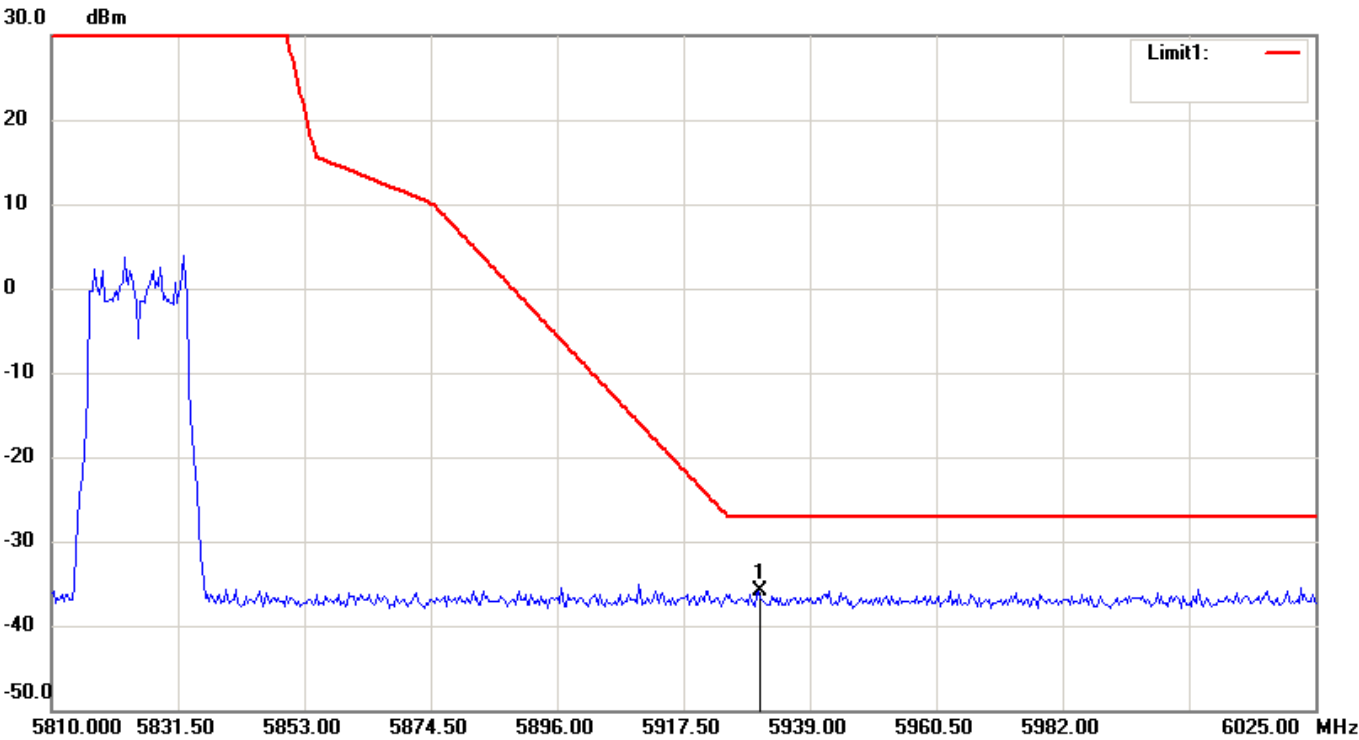
#25

Date: 2020/8/17

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 59 %



Condition:	5.8G Bandedge	Polarization:	Vertical
EUT:	PlayStation5 console(Wireless)	Distance:	3m
Model:	CFI-1018A		
Test Mode:	UNII	Operator:	Phillip
Note:	High Bandedge		

No.	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
	(MHz)	(dBm)		dB	(dBm)	(dBm)	(dB)
1*	5930.24840	-86.91	peak	51.09	-35.82	-27.00	-8.82

調變技術: IEEE 802.11ax (20MHz)

File: 20-07-MAS-052-5-8ax20

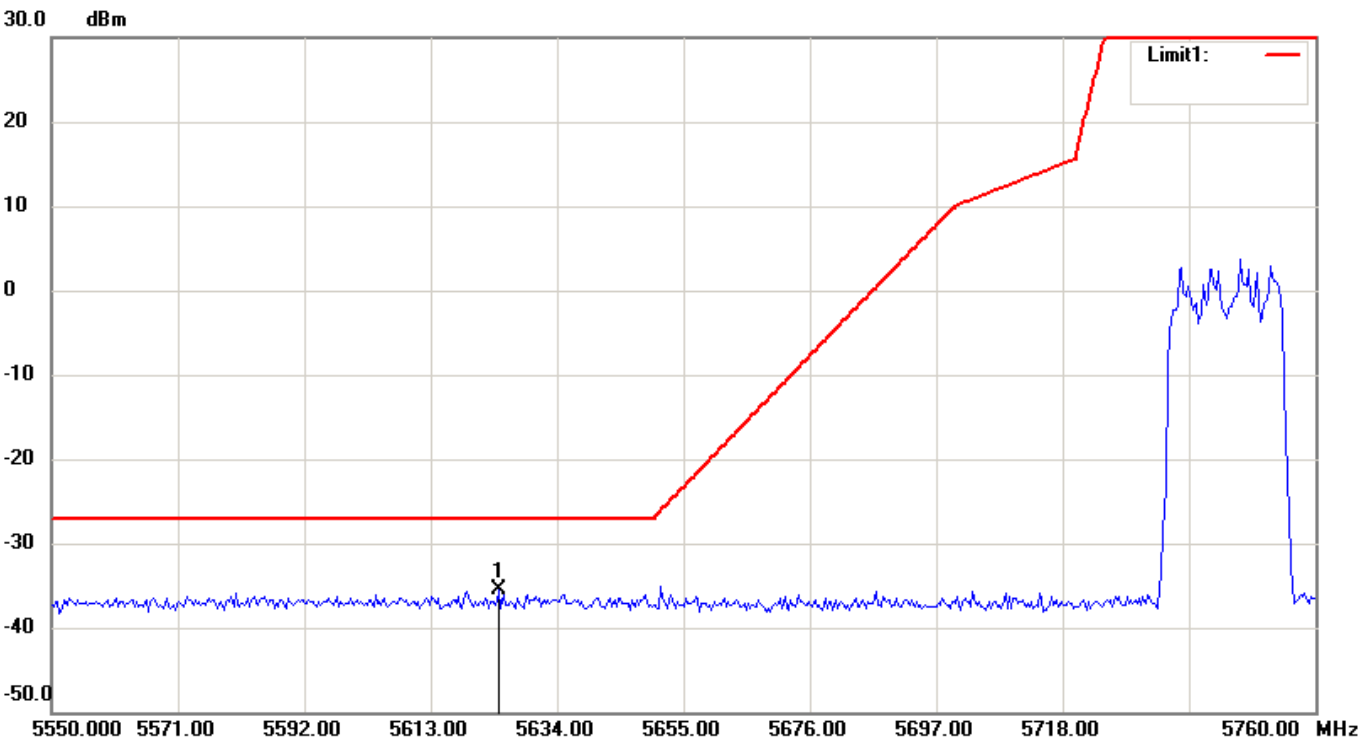
#25

Date: 2020/8/17

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 59 %



Condition: 5.8G Bandedge

Polarization: Vertical

EUT: PlayStation5 console(Wireless)

Distance: 3m

Model: CFI-1018A

Operator: Phillip

Test Mode: UNII

Note: Low Bandedge

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1*	5624.37500	-86.60	peak	51.05	-35.55	-27.00	-8.55

File: 20-07-MAS-052-5-8ax20

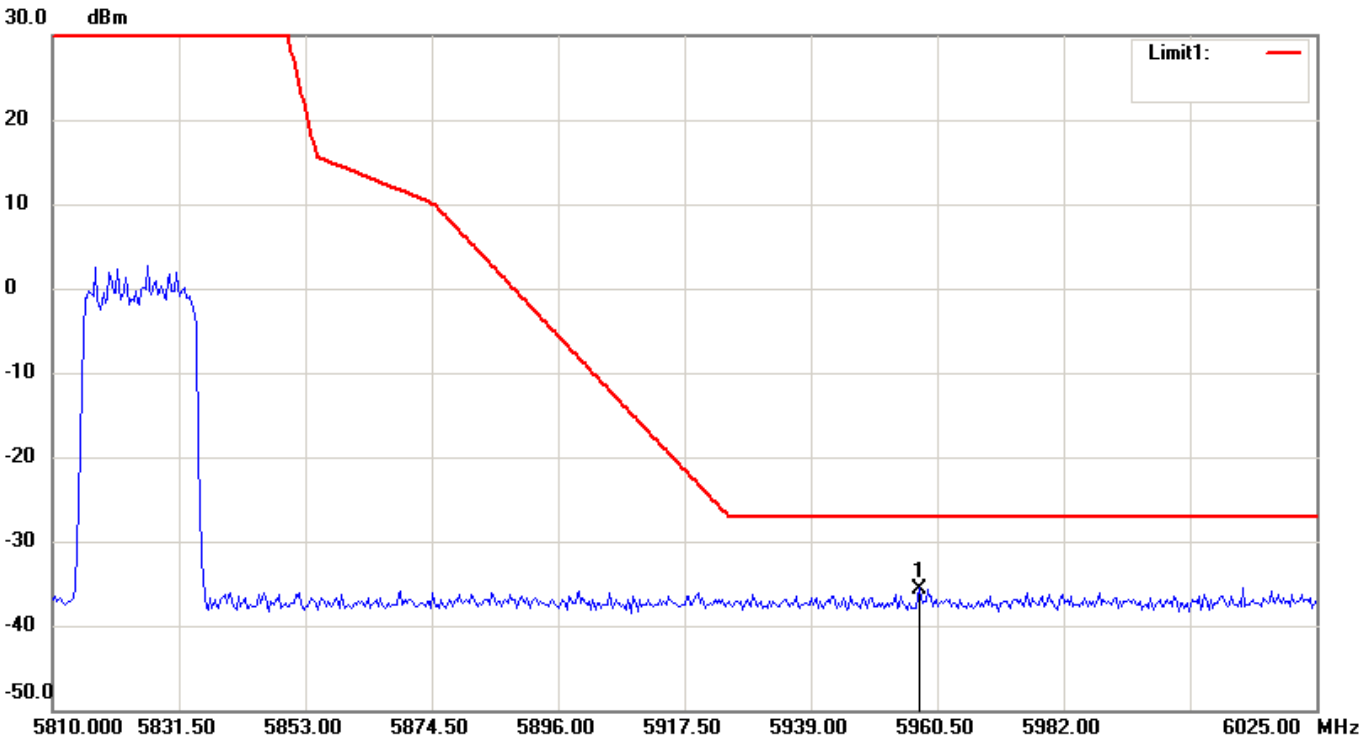
#26

Date: 2020/8/17

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 59 %



Condition: 5.8G Bandedge

Polarization: Vertical

EUT: PlayStation5 console(Wireless)

Distance: 3m

Model: CFI-1018A

Operator: Phillip

Test Mode: UNII

Note: High Bandedge

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1*	5957.46800	-86.70	peak	51.10	-35.60	-27.00	-8.60

調變技術: IEEE 802.11ax (40MHz)

File: 20-07-MAS-052-5-8ax40

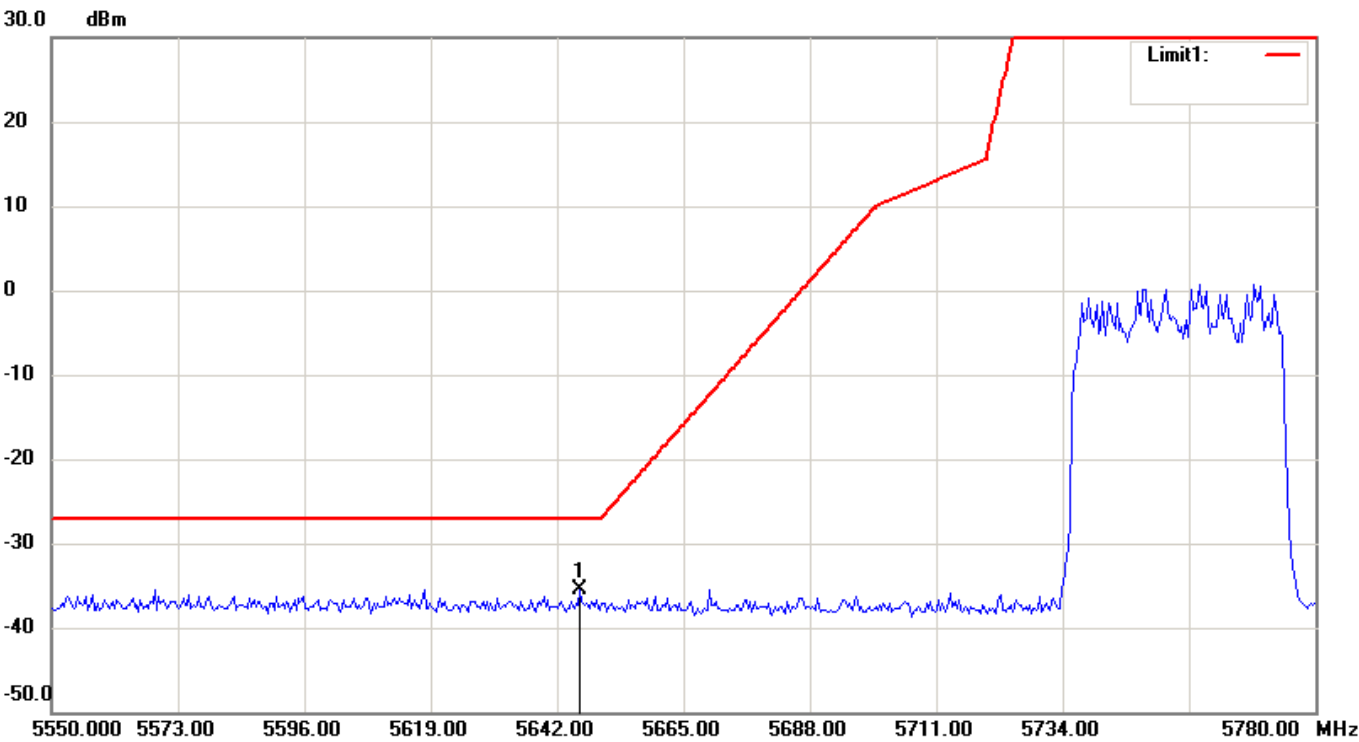
#17

Date: 2020/8/17

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 59 %



Condition: 5.8G Bandedge

Polarization: Vertical

EUT: PlayStation5 console(Wireless)

Distance: 3m

Model: CFI-1018A

Operator: Phillip

Test Mode: UNII

Note: Low Bandedge

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1*	5646.20200	-86.52	peak	51.05	-35.47	-27.00	-8.47

File: 20-07-MAS-052-5-8ax40

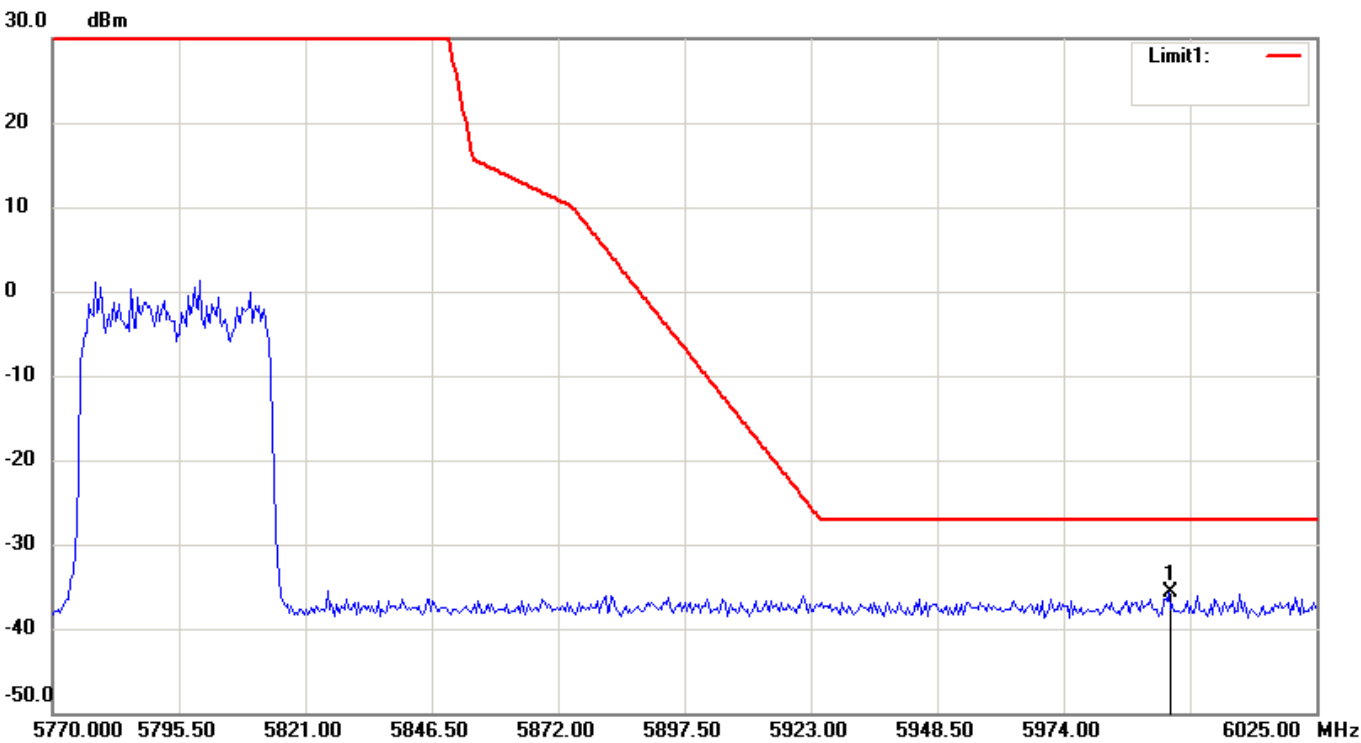
#18

Date: 2020/8/17

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 59 %



Condition: 5.8G Bandedge

Polarization: Vertical

EUT: PlayStation5 console(Wireless)

Distance: 3m

Model: CFI-1018A

Operator: Phillip

Test Mode: UNII

Note: High Bandedge

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1*	5995.16830	-86.71	peak	51.10	-35.61	-27.00	-8.61

調變技術: IEEE 802.11ax (80MHz)

File: 20-07-MAS-052-5-8ax80

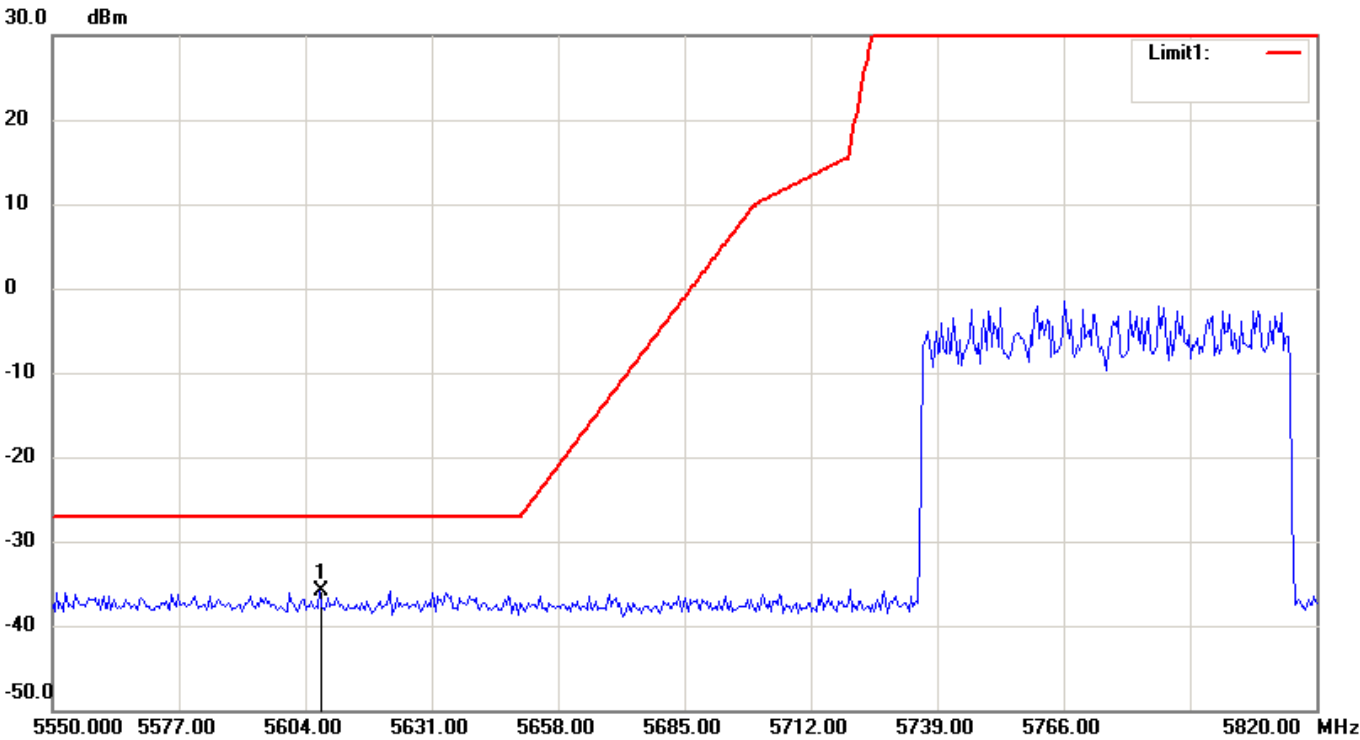
#9

Date: 2020/8/17

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 59 %



Condition: 5.8G Bandedge

EUT: PlayStation5 console(Wireless)

Model: CFI-1018A

Test Mode: UNII

Note: Low Bandedge

Polarization: Vertical

Distance: 3m

Operator: Phillip

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1*	5607.11540	-86.92	peak	51.05	-35.87	-27.00	-8.87

File: 20-07-MAS-052-5-8ax80

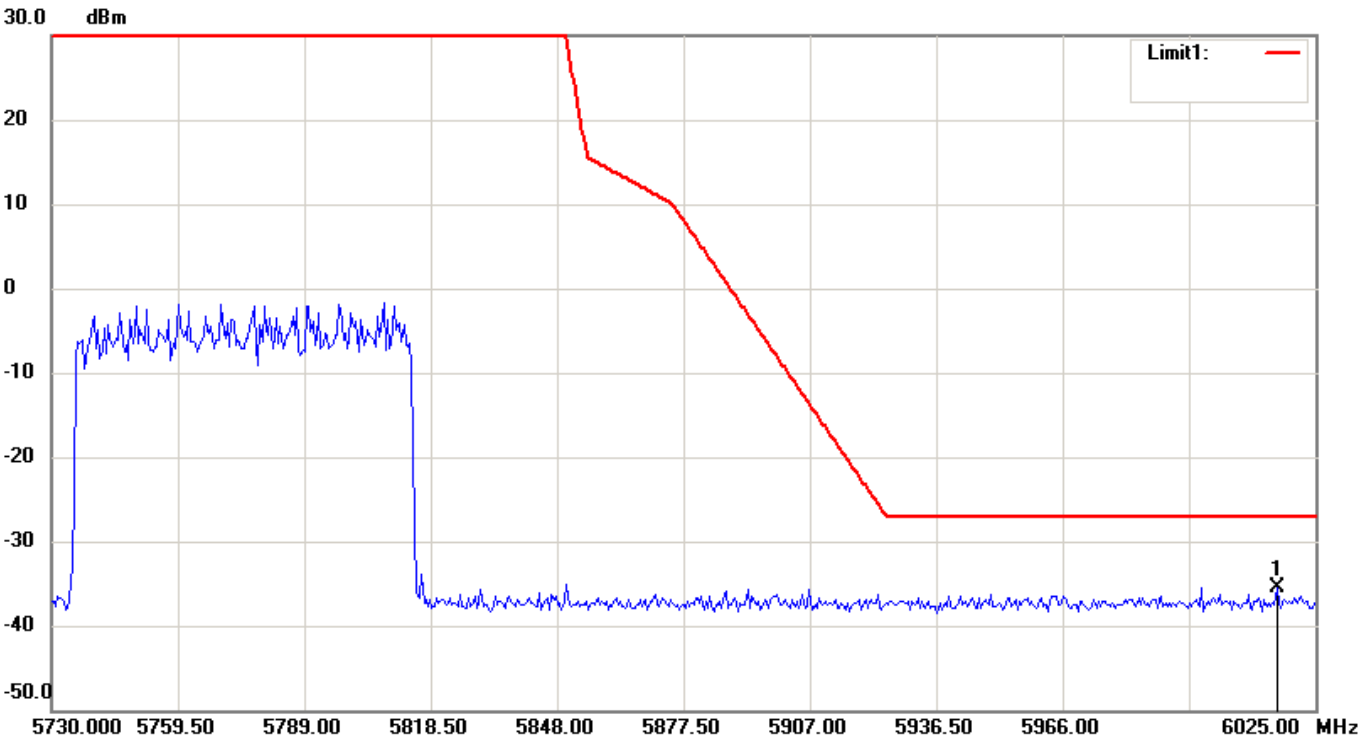
#10

Date: 2020/8/17

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 59 %



Condition: 5.8G Bandedge

Polarization: Vertical

EUT: PlayStation5 console(Wireless)

Distance: 3m

Model: CFI-1018A

Operator: Phillip

Test Mode: UNII

Note: High Bandedge

No.	Frequency (MHz)	Reading (dBm)	Detector	Corrected dB	Result (dBm)	Limit (dBm)	Margin (dB)
1*	6016.01760	-86.57	peak	51.13	-35.44	-27.00	-8.44

10.7 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 4: 量測頻率低於1GHz之測試配置

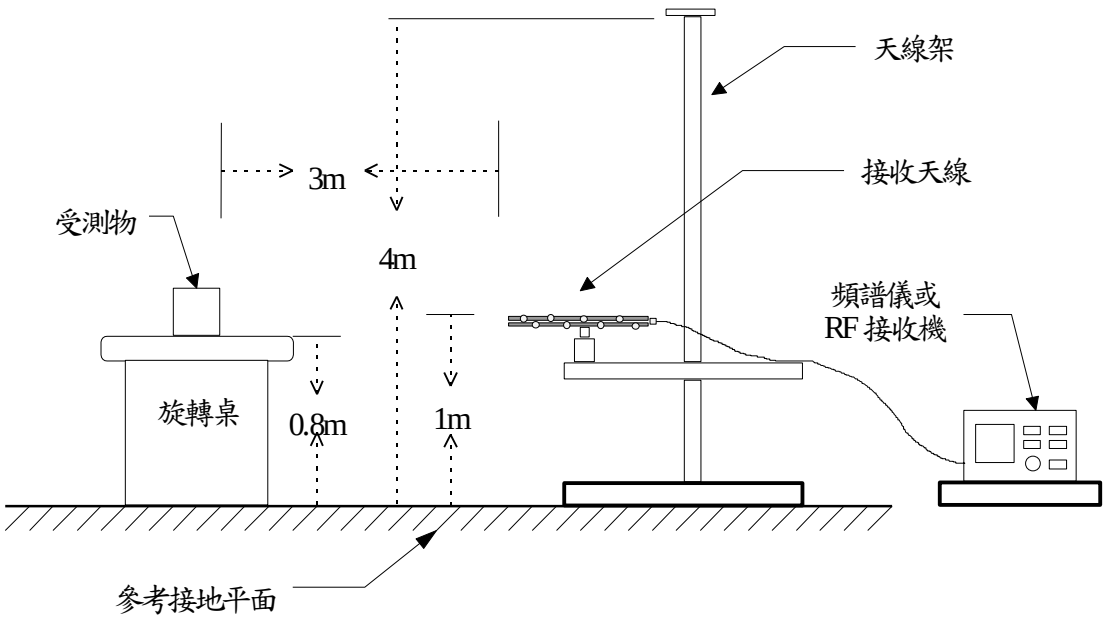
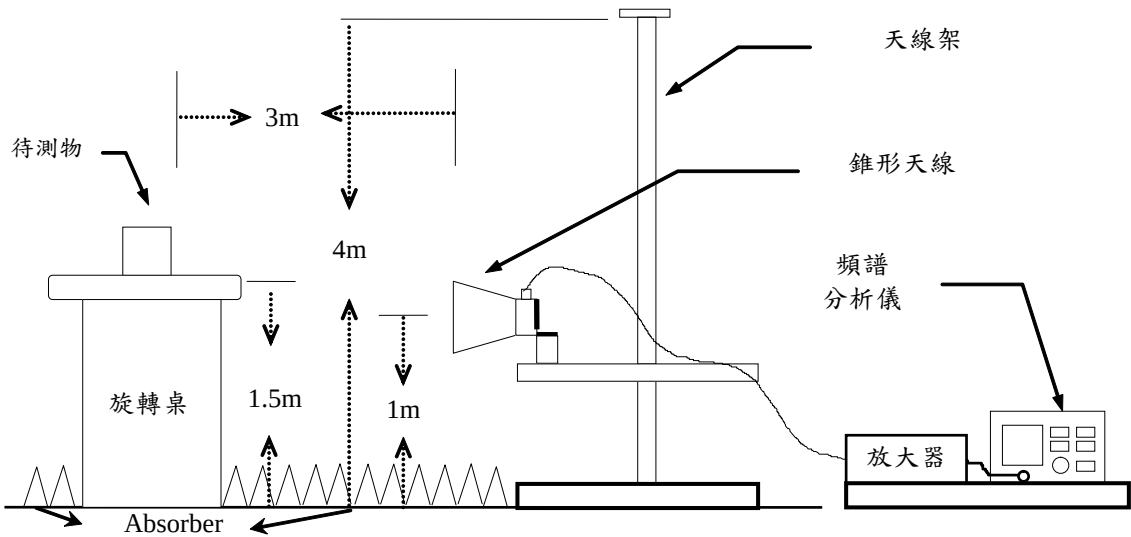


圖 5: 量測頻率高於1GHz之測試配置



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
Vector Signal Generator	R&S	SMU200A	13549901-002	06/08/2020	06/07/2021