

低功率射頻器材 檢驗報告

申請者

台灣索尼互動娛樂股份有限公司

申請者地址

臺北市信義區松高路1號9樓

製造廠商

Sony Interactive Entertainment Inc.

受檢設備名稱

Development Kit for PlayStation®5

廠牌

SONY

型號

DFI-D1000AA

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)

受理日期

109年10月06日

發行日期

109年11月26日

報告編號

20-10-MAS-019-06

檢驗結果

合格

財團法人台灣商品檢測驗證中心

33383桃園市龜山區文明路29巷8號

電話：(03)3276170~74

傳真：(03)3276188

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.....	5
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.....	10
3 受測裝置之系統說明.....	11
3.1 受測裝置.....	11
3.2 測試模式說明.....	13
4 電源線傳導干擾之量測.....	23
4.1 適用標準.....	23
4.2 測試方法.....	23
4.3 量測電源線傳導干擾之儀器.....	23
4.4 傳導干擾之量測結果.....	24
4.5 電源線傳導干擾之測試配置.....	30
4.6 傳導量測之配置照片.....	31
5 天線增益之要求.....	32
5.1 適用標準.....	32
5.2 天線增益.....	32
5.3 結果判定.....	32
6 發射頻寬之量測.....	33
6.1 適用標準.....	33
6.2 測試配置.....	33
6.3 發射頻寬之量測儀器.....	33
6.4 量測結果.....	34
6.5 結果判定.....	57
7 最大傳導輸出功率之量測	60
7.1 最大傳導輸出功率適用標準.....	60
7.2 最大傳導輸出功率之測試配置.....	60
7.3 最大傳導輸出功率之量測儀器.....	60
7.4 最大傳導輸出功率之量測結果.....	61
7.5 結果判定.....	136
8 功率密度之量測.....	137

8.1 適用標準.....	137
8.2 量測功率密度之配置.....	137
8.3 量測功率密度之儀器.....	137
8.4 量測結果.....	138
8.5 結果判定.....	160
8.5 結果判定.....	166
9 混附波發射限制之量測.....	167
9.1 適用標準.....	167
9.2 混附波發射限制之測試配置.....	167
9.3 量測混附波發射限制之儀器.....	167
9.4 混附波發射限制之量測結果 (傳導方式量測).....	167
9.5 結果判定.....	207
10 場強輻射之量測.....	212
10.1 適用標準.....	212
10.2 量測方法.....	212
10.3 量測場強輻射之儀器.....	212
10.4 場強度之計算.....	213
10.5 場強輻射之量測結果.....	214
10.7 頻帶外邊緣直接量測之量測結果.....	259
10.8 結果判定.....	272
10.9 輻射之測試配置.....	273
10.10 輻射量測之配置照片.....	274
11 發射功率控制(TPC)之量測.....	275
11.1 發射功率控制(TPC)適用標準.....	275
11.2 發射功率控制(TPC)之測試配置.....	275
11.3 適用性.....	275
12 動態頻率選擇(DFS)之量測.....	276
12.1 LIMITS.....	276
12.2 產品描述.....	280
12.3 測試系統.....	281
12.4 測試頻道及測試方法.....	284
12.5 量測結果.....	285
13 量測之儀器.....	288

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：Development Kit for PlayStation®5
 型號：DFI-D1000AA
 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)：11.65 dBm (發射功率)
 工作頻率及調變方式：5500 ~ 5700 MHz / DSSS + OFDM + OFDMA
 天線規格：廠牌/型號/天線增益：LUXSHARE-ICT/L34RF052/5.0 dBi
 廠牌/型號/天線增益：LUXSHARE-ICT/L34RF049/2.0 dBi

- 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，其中量測不確定度可符合國際標準要求不列入結果考量，本試驗報告的結果僅針對受試驗之樣品負責，無法確保產品生產過程中的品質與性能要求。
 3. 非經本中心同意，檢驗報告不得摘錄複印使用。（全部複製除外）。

項次	測試項目	適用規範	量測設備	測試結果	結果判定
1	電源線傳導干擾之要求	低功率射頻器材技術規範 3.3節	請參閱4.3節	請參閱4.4節	合格
2	天線增益之要求	低功率射頻器材技術規範 5.7.8節	----	請參閱5.2節	----
3	發射頻寬之量測	低功率射頻器材技術規範 5.7.2節(1)(2)	請參閱6.3節	請參閱6.4節	----
4	最大傳導輸出功率之要求	低功率射頻器材技術規範 5.7.2節(1)(2)	請參閱7.3節	請參閱7.4節	合格
5	功率密度之要求	低功率射頻器材技術規範 5.7.2節(1)(2)	請參閱8.3節	請參閱8.4節	合格
6	混附波發射限制之要求	低功率射頻器材技術規範 5.7.3節(1)(2)(3)	請參閱9.3節	請參閱9.4節	合格
7	場強輻射之要求	低功率射頻器材技術規範 5.7.3節(4)(5)	請參閱10.3節	請參閱10.5節	合格
8	DFS之要求	低功率射頻器材技術規範 5.7.7.2節	請參閱12.3節	請參閱12.5節	合格

測量實驗室負責人：

鄭景
109.11.26

直接主管：

黃啟瑞
109.11.26

量測員：

鄭世昌
109/11/26

1 一般資料

1.1 產品描述

- a) 產品型態 : Development Kit for PlayStation®5
 b) 商 標 : SONY
 c) 產品型號 : DFI-D1000AA
 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 3 (5500 至 5700 MHz) 部份，Bluetooth 部份請見 ETC 報告編號: 20-10-MAS-019-01，Bluetooth LE 部份請見 ETC 報告編號: 20-10-MAS-019-02，DTS 部份請見 ETC 報告編號: 20-10-MAS-019-03，UNII Band 1 (5180 MHz 至 5240 MHz)部份請見 ETC 報告編號: 20-10-MAS-019-04， UNII Band 2 (5260 至 5320 MHz)部份請見 ETC 報告編號: 20-10-MAS-019-05，UNII Band 4 (5725 至 5850 MHz) 部份請見 ETC 報告編號: 20-10-MAS-019-07。
 2. 本器材不具備主控運作模式動態頻率選擇與Ad-hoc功能。

1.2 產品特性

此裝置為 Development Kit for PlayStation®5，其發射頻率落於5500 至 5700 MHz頻段，採用 IEEE 802.11a/n/ac/ax 直接序列展頻調變技術。其應用為區域網路無線傳輸。主波發射功率為 11.65 dBm，即為 14.62 mW，其無線特性列表如下：

RF chain	2T2R	
Operating Frequency	IEEE802.11a/n 20/ac/ax 20MHz: 5.5GHz~5.7GHz, 11ch IEEE 802.11n 40MHz/ac/ax 40MHz Bnd 5.51GHz~5.67GHz, 5ch IEEE 802.11ac/ax 80MHz 5.53GHz~5.61GHz;2ch	
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([TÜV SÜD](#))
- 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器材技術規範之3.3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

國家通訊傳播委員會低功率射頻器材技術規範5.7.8節規定，天線之規格不受3.2 規定之限制。若使用超過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) 頻寬之量測

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節(1)之規定，5.470 GHz～5.725 GHz 頻帶，最大傳導輸出功率應小於或等於250 mW或11dBm+10log B (B 是26 dB 發射頻寬，單位MHz)之較小者。

(4) 最大傳導輸出功率與功率密度之要求

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定:

- (1) 5.470 GHz～5.725 GHz 頻帶，最大傳導輸出功率應小於或等於250 mW 或 11dBm+10log B (B 是26 dB發射頻寬，單位MHz)之較小者。
- (2) 最大功率頻譜密度在任何 1 MHz 頻帶中應小於或等於 11 dBm。
- (3) 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力率及最大功率頻譜密度。

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.4節之規定:

- (1) 最大傳導輸出功率必須使用依據均方根等效電壓校準之儀器測量於任何連傳輸之時段，測量結果須依儀器限制(如偵測器反應時間、相較於發射頻寬有限之解析頻寬能力，靈敏度等)調整得出正確之峰值測量，以符合本段落所提之發射定義。
- (2) 最大功率頻譜密度檢驗規定:
 - (A) 應將測試儀器直接連接待測物，以傳導方式執行。
 - (B) 5.15 GHz～5.25 GHz、5.25 GHz～5.35 GHz 及5.47 GHz～5.725 GHz頻段，測試儀器之頻寬應設定為 1 MHz 頻寬或待測物之 26 dB 發射頻寬，兩者取較小者。
 - (C) 5.725 GHz～5.850 GHz頻段，測試儀器之頻寬應設定為 500 kHz 或待測物之 26 dB 發射頻寬，兩者取較小者。
 - (D) 解析頻寬小於 (B)或 (C)時，應以補償方式計算總功率頻譜密度。

(5) 發射限制之要求

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.1節之規定，在 5.15 GHz~5.35 GHz 及 5.470 GHz~5.725 GHz 頻帶操作的發射器：帶外發射之有效等向輻射功率 (EIRP) 不應超過 -27 dBm/MHz。

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.3節之規定，測量不必要發射時，應使用之最低解析頻寬為 1 MHz。必要時，於頻帶邊緣附近可使用小於 1 MHz 之解析頻寬，並以補償方式計算其總值。

(6) 輻射之規定

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.5節之規定，在 1GHz 以下的非必要之發射，應符合第 3.6節之規定，任何使用交流市電為供應電之設備亦須符合第 3.3 節之電源線傳導限制值。

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.6節之規定，不必要發射頻率屬 3.5節規定頻段者，應符合 3.6節之規定。

落於3.5節禁用頻段之輻射干擾需符合3.6節之一般限制要求：

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

(7) 發射功率控制(TPC)及動態頻率選擇(DFS)之規定

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.6節之規定:

(1) 無線資訊傳輸設備應在”無資料傳輸”或”操作失效”時自動中斷傳輸，此規定並不預先排除傳送控制或信號(signaling)資訊或使用運用數位技術完成碼框或資料突發(burst)區間的重複碼(repetitive codes)，申請人應在申請型式認證文件中提供如何符合本規範之說明。

(2) 發射功率控制(TPC)及動態頻率選擇(DFS):

(2.1) 發射功率控制(TPC)：操作於5.25 GHz~5.35 GHz 與5.470 GHz~5.725GHz 頻段的設備，應具備發射功率控制功能。設備必須至少具有6 dB 低於平均EIRP 30 dBm 的能力。EIRP 低於500 mW 之系統不須具備TPC功能。

(2.2) 動態頻率選擇(DFS)之雷達偵測功能: 動態頻率選擇(DFS)：操作於5.25 GHz~5.35 GHz 與5.470 GHz~5.725GHz 频段之設備應具備動態頻率選擇雷達偵測功能並啟動之，以完整偵測使用頻帶內之雷達訊號，避免與雷達系統同頻道操作。相關規定如下：

(1)最低動態頻率選擇的偵測門檻

(A)最大EIRP 為200 mW~1 W 之設備，其最低動態頻率選擇的偵測門檻值為-64 dBm。

(B)最大EIRP 低於200 mW，且功率頻譜密度小於10 dBm/MHz 之設備，其最低動態頻率選擇的偵測門檻值為-62 dBm。

(C)最大EIRP 低於200 mW，且功率頻譜密度大於或等於10 dBm/MHz之設備，其最低動態頻率選擇的偵測門檻值為-64 dBm。

(D)此偵測門檻值為1 微秒內之平均接收功率，並以0 dBi 天線為參考基準。頻道初始設定得由系統隨機選取或使用者手動選取。

(2)操作模式：動態頻率選擇之規定適用於以下之操作模式：

(A)頻道可用性檢查時間之規定，適用於主控運作模式。

(B)頻道移動時間之規定，適用於主控及受控運作模式。

(3)頻道可用性檢查時間：設備必須檢查其可在某一頻道上起始傳送之前是否有雷達系統已經操作在該頻道上，以及何時其必須移動到另一新的頻道，在60 秒內若沒有偵測到功率位準大過上述之干擾門檻值的雷達訊號時，設備才可開始使用該頻道。

(4)頻道移動時間：在偵測到雷達的存在後，所有在該操作頻道上的所有傳輸須在10 秒內停止，在偵測到雷達訊號後，該期間內的傳輸應維持最多200 毫秒的正常通訊。另外，間歇性的管理與控制訊號可在剩餘的時間中傳送，以便撤離該操作頻道。

(5)不可占用期間：某一頻道已被頻道可用性檢查或「服務中」監視顯示含有雷達系統，至少須有30 分鐘的不可占用期間。不可占用期間起始於偵測到雷達系統的當時。

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

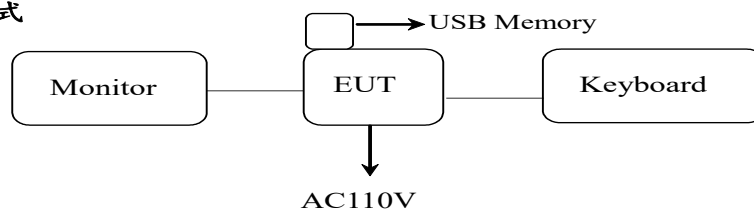
裝置名稱	製造者/代理者	型 號	纜線說明
* Development Kit for PlayStation®5	Sony Interactive Entertainment Inc.	DFI-D1000AA	非隔離電源線 2.5m * 1 (廠牌:I-Sheng /型號:SP-301)
USB 3.0 HDD	I/O DATA	HDPX-UTCIK	隔離信號線 0.3m * 1 (USB 3.0)
USB Memory	SONY	USM16CA1	----
Keyboard	DELL	KB216P	非隔離信號線 1.8m * 1
USB Memory	SONY	USM32GRB	----
Controller	SONY	CFI-ZCT1G	----
*USB Cable 1 (註 2)	LUXSHARE-ICT	L34U20	隔離信號線 1.5m * 1
Controller	SONY	CFI-ZCT1G	----
*USB Cable 2 (註 2)	JPC	PK3U2EG	隔離信號線 1.5m * 1
Monitor	DELL	SE2216H	非隔離電源線 1.8m * 1
*HDMI Cable	LUXSHARE-ICT	L34HD	隔離信號線 1.5m * 1
Switch	KOKUSAI DENGYO	SPS-1	非隔離信號線 2.0m * 1
USB 3.0 HDD	SONY	HD-EG5	隔離信號線 1.0m * 1 (USB 3.0)
Notebook	HP	Probook650G1	非隔離信號線 10m * 1 (LAN)
Wireless Router	TP-LINK	TL-WDR4300	非隔離電源線 1.8m* 1/Adapter 非隔離信號線 10m * 1 (LAN)
Wireless Router	ASUS	RT-AX88U	非隔離電源線 2.3m* 1/Adapter
Controller	SONY	CFI-ZCT1G	----
Controller	SONY	CFI-ZCT1G	----

註: 1.標記“*”表欲申請之受測物及配件。

2.配件USB Cable 1和USB Cable 2，擇一搭配販售。

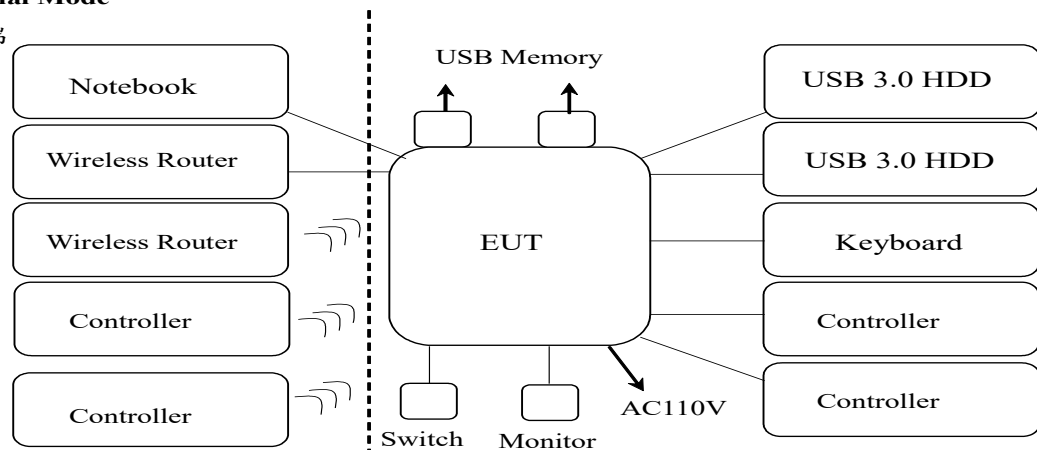
3.測試配置：

工程模式



Normal Mode

遠端



4. 測試模式:

4.1 IEEE 802.11a, 802.11n HT20, IEEE 802.11ac (20MHz), IEEE 802.11ax (20MHz) mode:
測試頻道如下:

Channel	Frequency (MHz)
Low = 100	5500
Middle = 116	5580
High = 140	5700

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

IEEE 802.11n HT20 mode: MCS0 data rate is the worse case for full testing.

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

4.2 IEEE 802.11n HT40, IEEE 802.11ac (40MHz), IEEE 802.11ax (40MHz) mode:
測試頻道如下:

Channel	Frequency (MHz)
Low = 102	5510
Middle = 118	5590
High = 134	5670

IEEE 802.11n HT40 mode: MCS0 data rate is the worse case for full testing.

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

4.3 IEEE 802.11ac (80MHz), IEEE 802.11ax (80MHz) mode:
測試頻道如下:

Channel	Frequency (MHz)
106	5530
122	5610

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

5. 軟體設定：樣品內含測試程式

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

3.2 測試模式說明

3.2.1 調變方式及模式

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

Normal Mode:

Test Mode	Note
J	HDMI+USB+BT+LAN
K	HDMI+USB+BT+WiFi

Mode	IEEE 802.11a/n20/ac/ax (20MHz)	IEEE 802.11n40/ac/ax (40MHz)	IEEE 802.11ac/ax (80MHz)
Test Channel	Frequency (MHz)	Frequency (MHz)	Frequency (MHz)
Channel Low (L)	5500	5510	5530
Channel Mid (M)	5580	5590	-
Channel High (H)	5700	5670	5610

3.2.2 測試項目及模式

Item	測試項目	測試模式	測試頻率(MHz)
1	電源線傳導干擾之量測	H、J、K(註1)	M(註2)
2	發射頻寬之量測	A、G、H、I(註3)	L、M、H
3	最大傳導輸出功率之量測	A、B、C、D、E、F、G、H、I、J、K(註4)	L、M、H
4	功率密度之量測	A、G、H、I(註3、4)	L、M、H
5	混附波發射限制之量測	A、G、H、I(註3)	L、M、H
6	場強輻射之量測(主諧波)	A、G、H、I(註3)	L、M、H
6.1	場強輻射之量測(1GHz以下)	H、J、K(註1)	M(註2)
6.2	場強輻射之量測(1GHz以上)	A、G、H、I(註3)	L、M、H
6.2	場強輻射之量測(1GHz以上)	H、J、K(註1)	L、M、H
7	DFS之量測	I(註4)	5500-5700 MHz

- 註: 1. 以上調變方式預掃時無差異，擇一作最終測試並記錄之。
2. 高，中，低頻道預掃時無差異，擇中間頻道作最終測試並記錄之。
3. 802.11n/ac/ax 以 802.11ax 為 Worse case，作最終測試並記錄之。
4. 本產品內含雙天線，802.11n/ac/ax模式下有MIMO之功能，故對兩隻天線分別進行測試再加總並記錄之。802.11a無MIMO之功能，以最大傳導輸出功率較大者做為Worse Case，進行其他項目之量測。
5. 進行 DFS 測試時，產品操作於 Normal mode，並對所有的調變及頻道進行測試，確認所有調變及頻道均合格後，擇一做最終測試並記錄之。
6. 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。
7. 依 NCC 74 次一致性會議：審驗時不具一般正常使用模式者，得不包括一般正常使用模式。

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: 20-10-MAS-019_5-2a_ANT1

#21

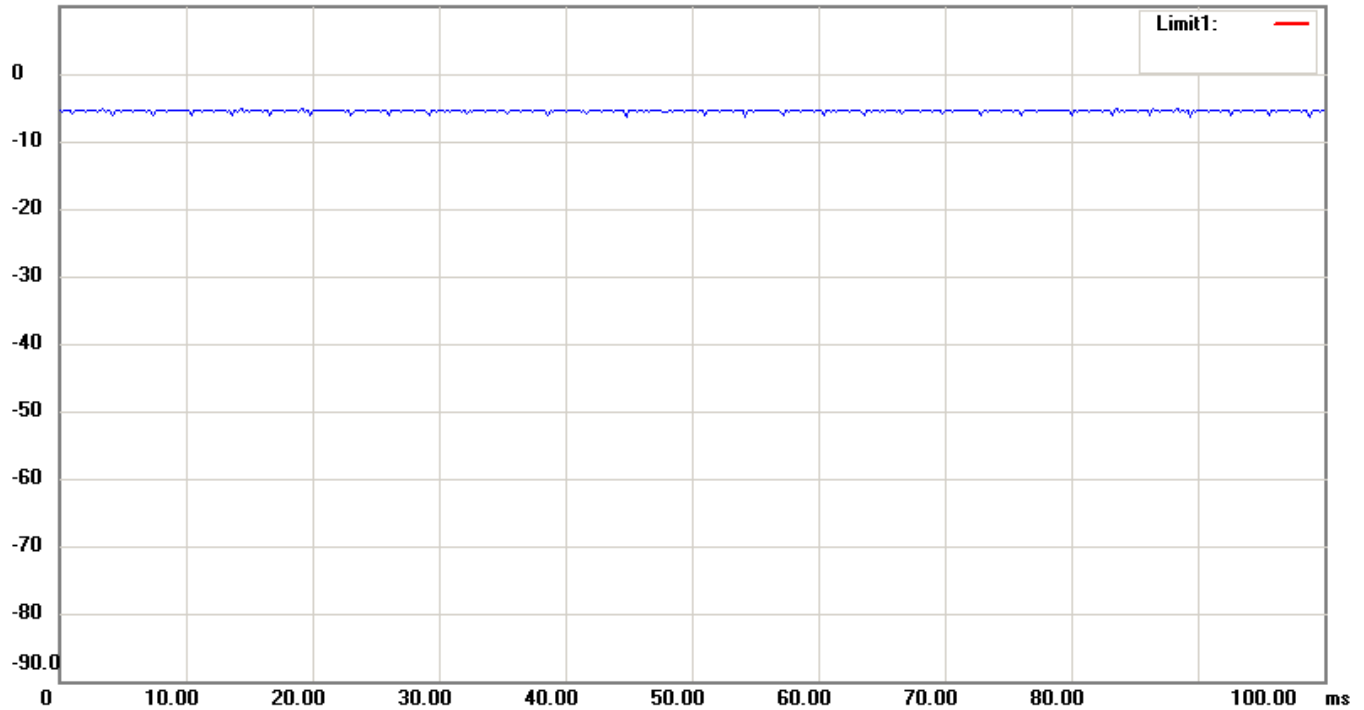
Date: 2020/10/22

Temperature: 24 °C

Site: RF-Cond01

Humidity: 54 %

10.0 dBm



Condition: UNII-Band1-2-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a Duty-1

RF Conducted
Sweep Time: 100ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

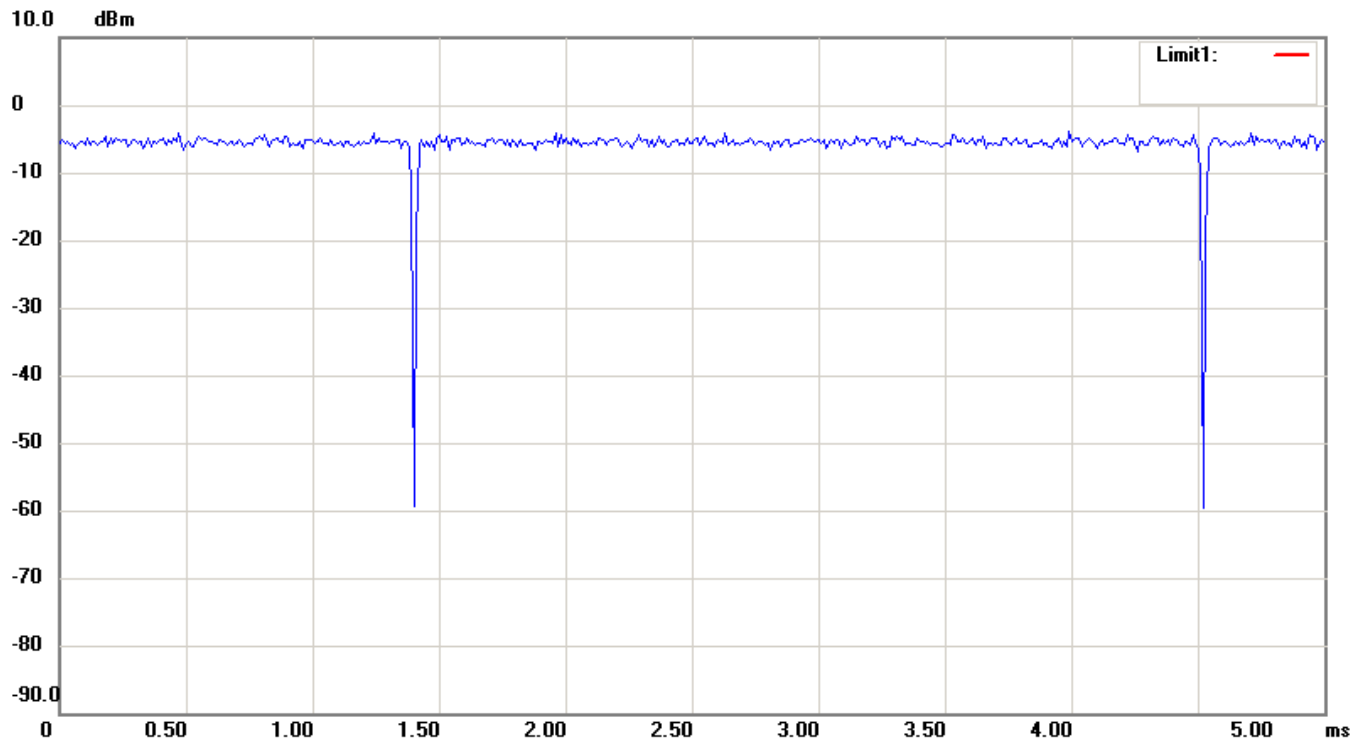
File: 20-10-MAS-019_5-2a_ANT1
Site: RF-Cond01

#22

Date: 2020/10/22

Temperature: 24 °C

Humidity: 54 %



Condition: UNII-Band1-2-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a Duty-2 (Duty > 98%)

RF Conducted
Sweep Time: 5ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

IEEE 802.11ax (20MHz)

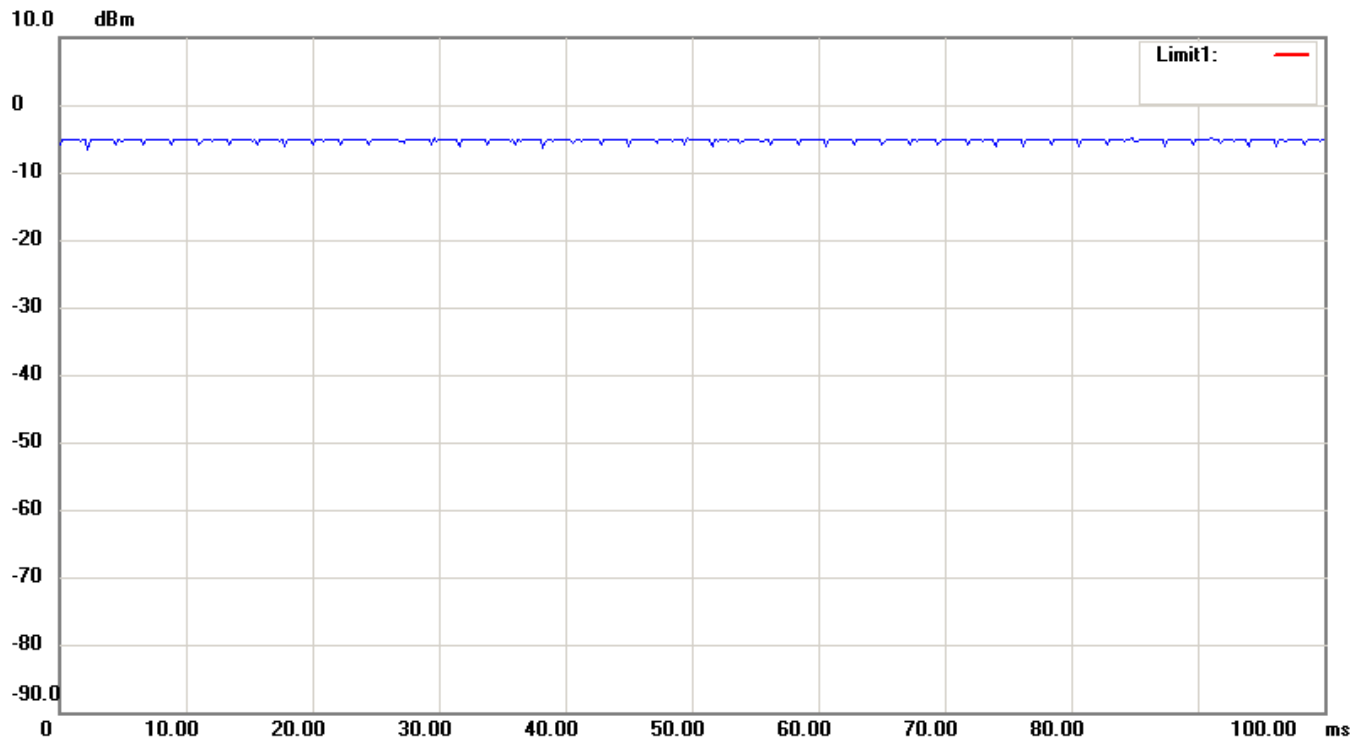
File: 20-10-MAS-019_5-2ax20_ANT1
Site: RF-Cond01

#21

Date: 2020/10/22

Temperature: 24 °C

Humidity: 54 %



Condition: UNII-Band1-2-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20 Duty-1

RF Conducted
Sweep Time: 100ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

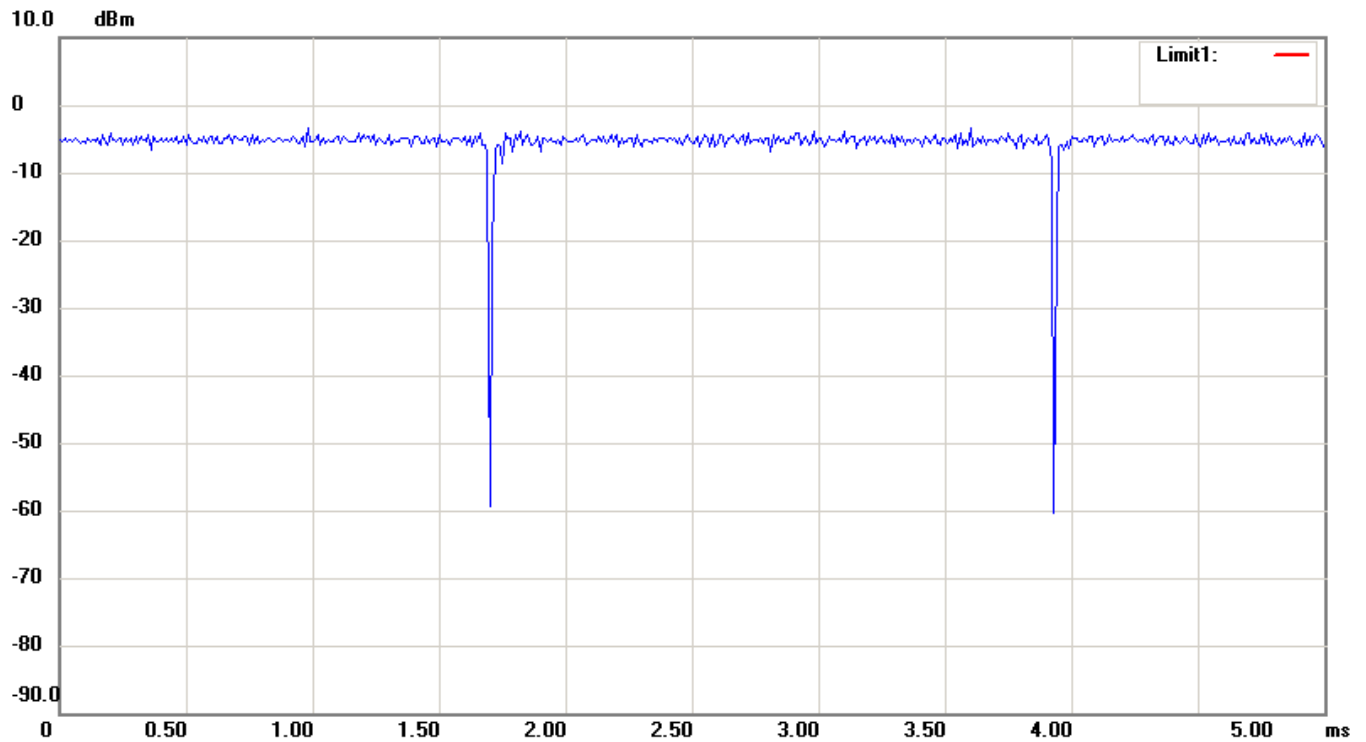
File: 20-10-MAS-019_5-2ax20_ANT1
Site: RF-Cond01

#22

Date: 2020/10/22

Temperature: 24 °C

Humidity: 54 %



Condition: UNII-Band1-2-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20 Duty-2 (Duty > 98%)

RF Conducted
Sweep Time: 5ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

IEEE 802.11ax (40MHz)

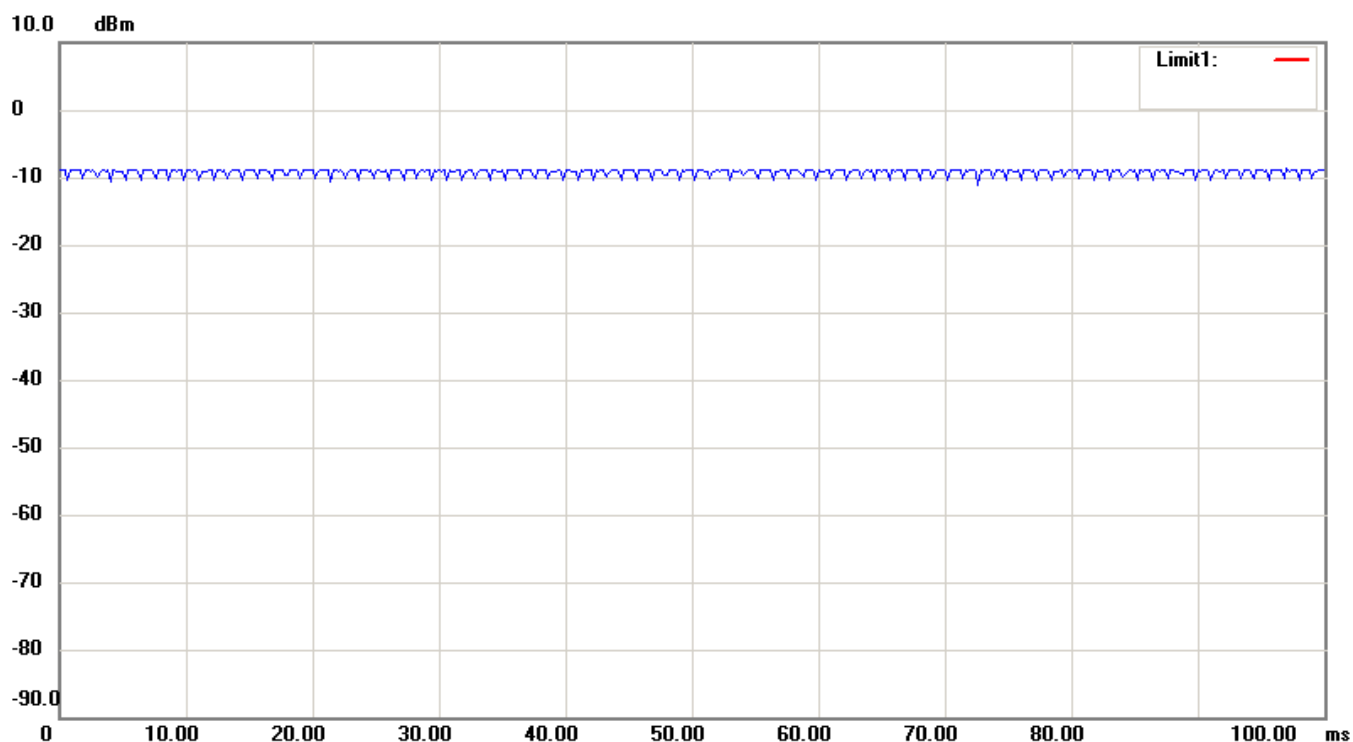
File: 20-10-MAS-019_5-2ax40_ANT1
Site: RF-Cond01

#15

Date: 2020/10/22

Temperature: 24 °C

Humidity: 54 %



Condition: UNII-Band1-2-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40 Duty-1

RF Conducted
Sweep Time: 100ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

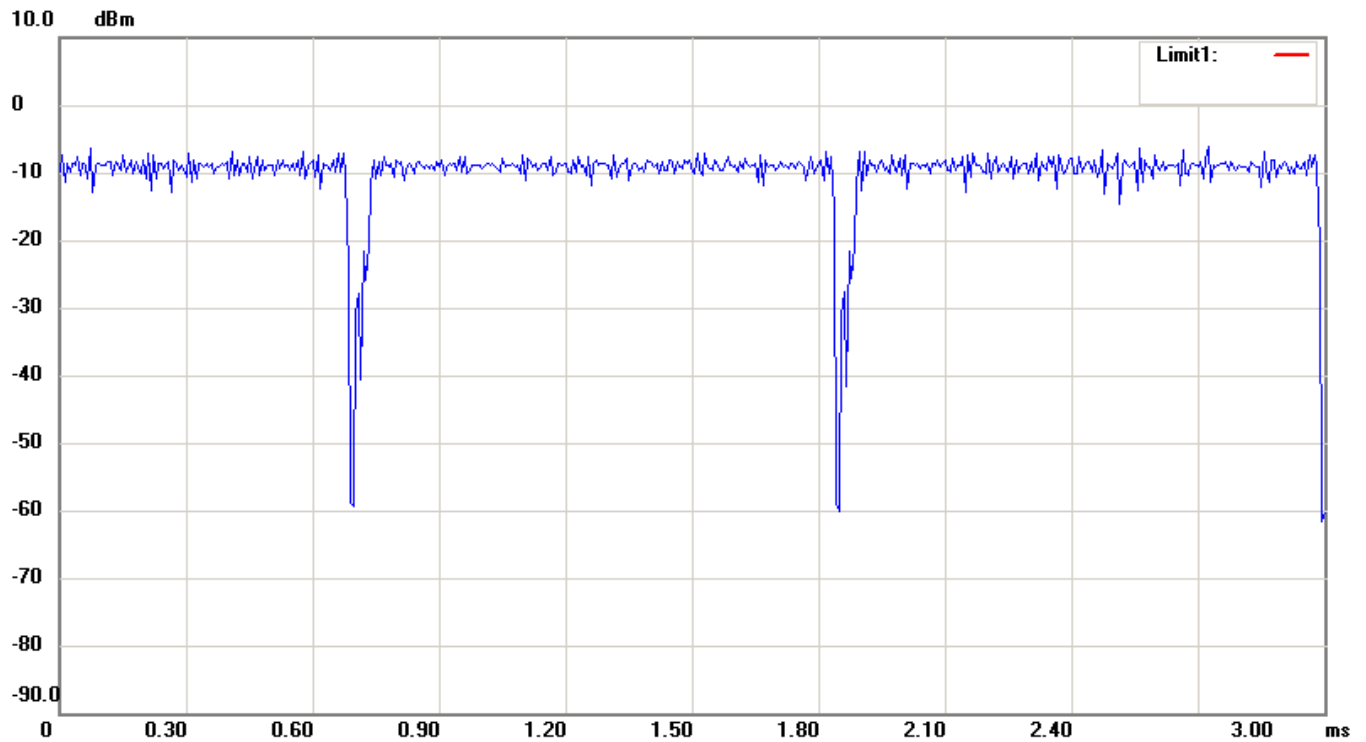
File: 20-10-MAS-019_5-2ax40_ANT1
Site: RF-Cond01

#16

Date: 2020/10/22

Temperature: 24 °C

Humidity: 54 %



Condition: UNII-Band1-2-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40 Duty-2 (Duty = 95.3%)

RF Conducted
Sweep Time: 3ms Att.: 15dB
RBW: 1000 KHz VBW: 3000 KHz
Operator: Phillip

IEEE 802.11ax (80MHz)

File: 20-10-MAS-019_5-2ax80_ANT1

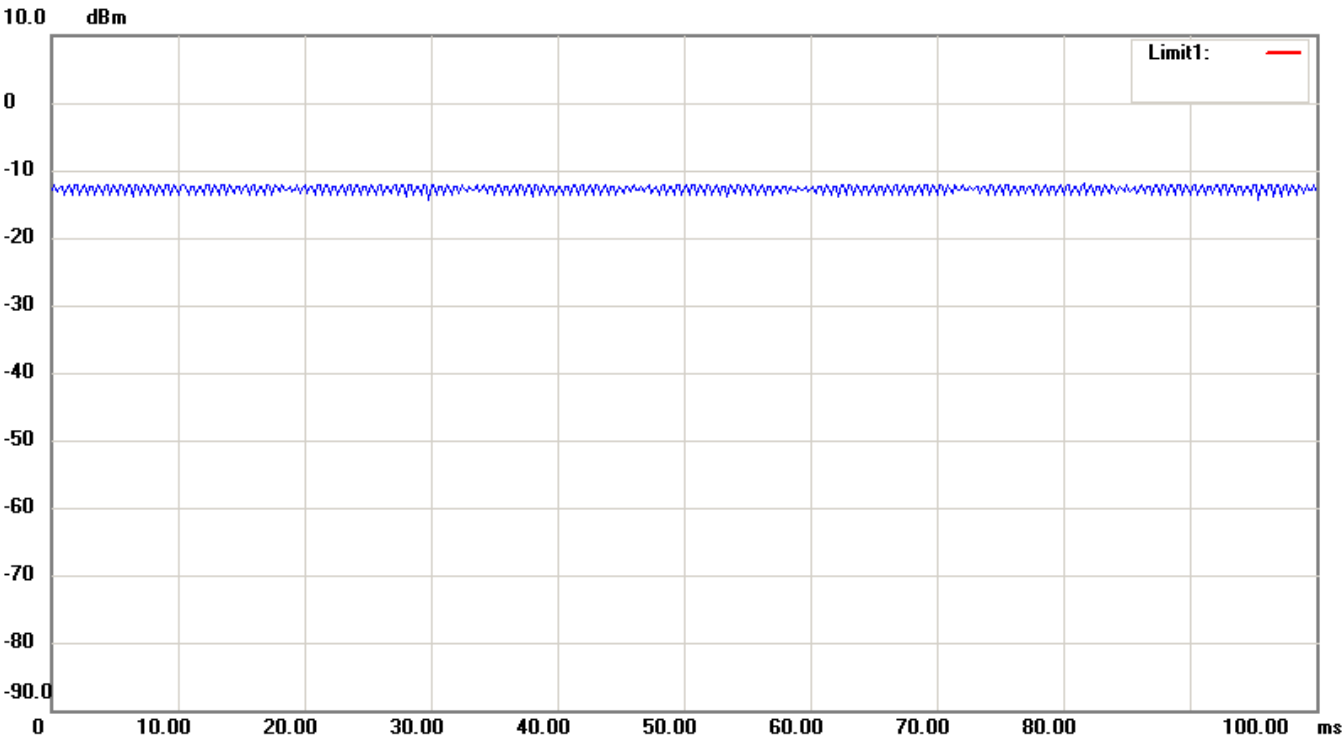
#9

Date: 2020/10/22

Temperature: 24 °C

Site: RF-Cond01

Humidity: 54 %



Condition:	UNII-Band1-2-Bandedge	RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 15dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ax80 Duty-1	

File: 20-10-MAS-019_5-2ax80_ANT1

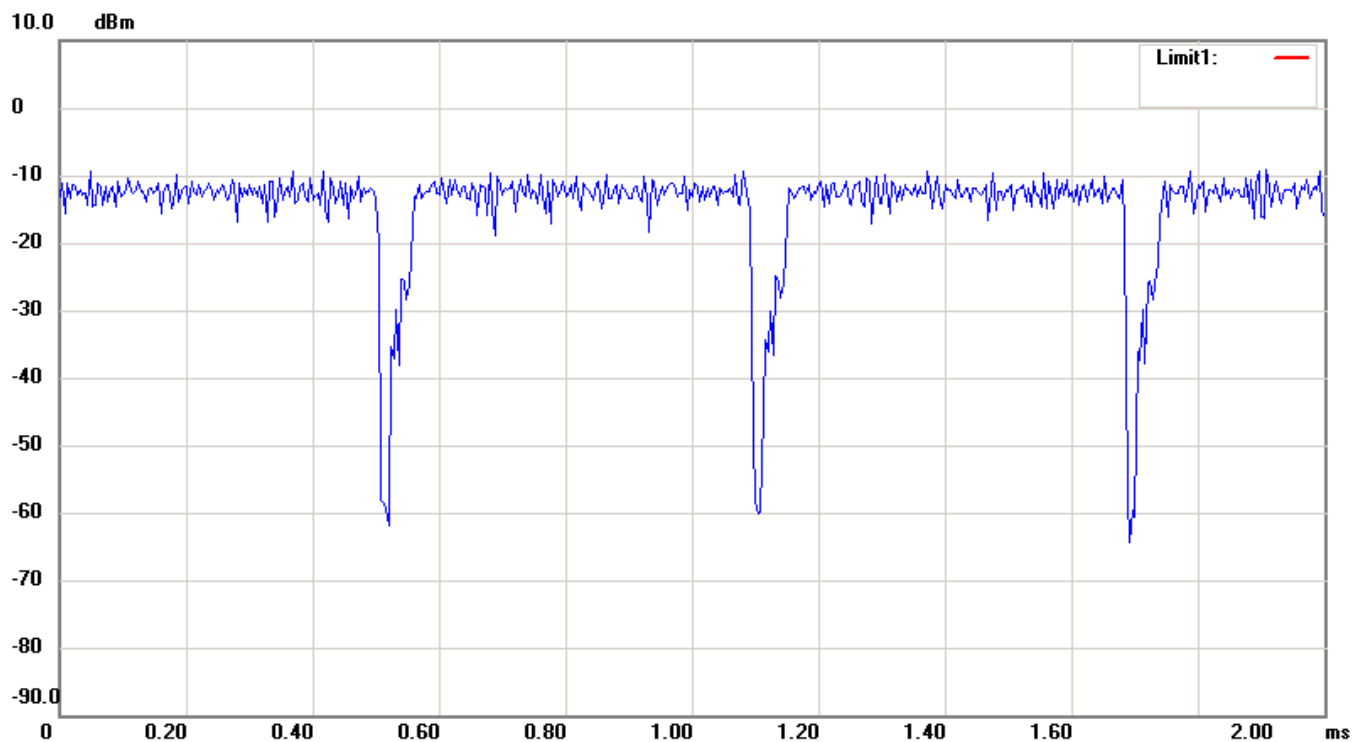
#10

Date: 2020/10/22

Temperature: 24 °C

Site: RF-Cond01

Humidity: 54 %



Condition: UNII-Band1-2-Bandedge

RF Conducted

EUT: Development Kit for PlayStation5

Sweep Time: 2ms Att.: 15dB

Model: DFI-D1000AA

RBW: 1000 KHz VBW: 3000 KHz

Test Mode: UNII

Operator: Phillip

Note: NCC_LP0002_802.11ax80 Duty-2 (Duty = 89.8%)

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3.3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 802.11ax40

File: 20-10-MAS-019

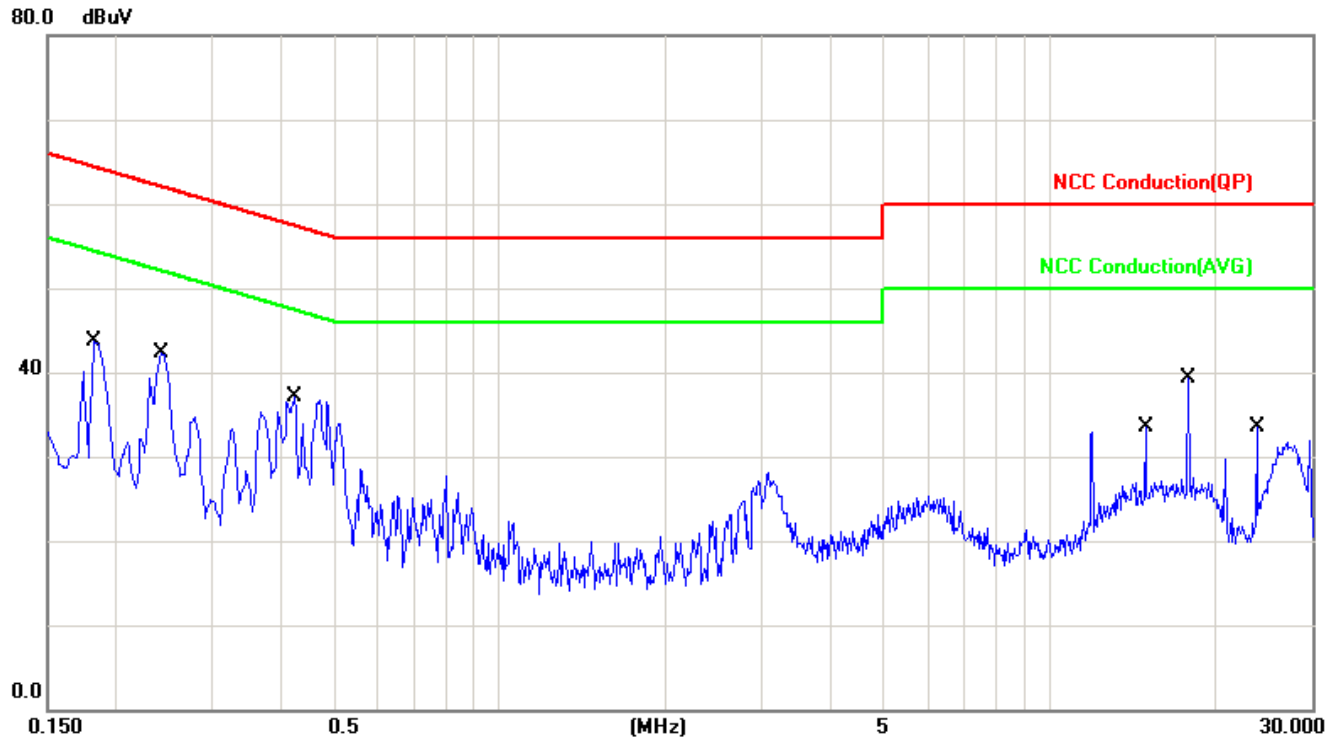
#20

Date: 2020/11/14

Temperature: 22 °C

Time: 上午 11:09:25

Humidity: 60 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Band3
 Note:

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

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.182	34.09	QP	9.65	43.74	64.39	-20.65
*2	0.242	32.64	QP	9.65	42.29	62.03	-19.74
3	0.422	27.36	QP	9.66	37.02	57.41	-20.39
4	14.914	23.53	QP	9.88	33.41	60.00	-26.59
5	17.902	29.37	QP	9.91	39.28	60.00	-20.72
6	23.866	23.66	QP	9.93	33.59	60.00	-26.41

- 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: 20-10-MAS-019

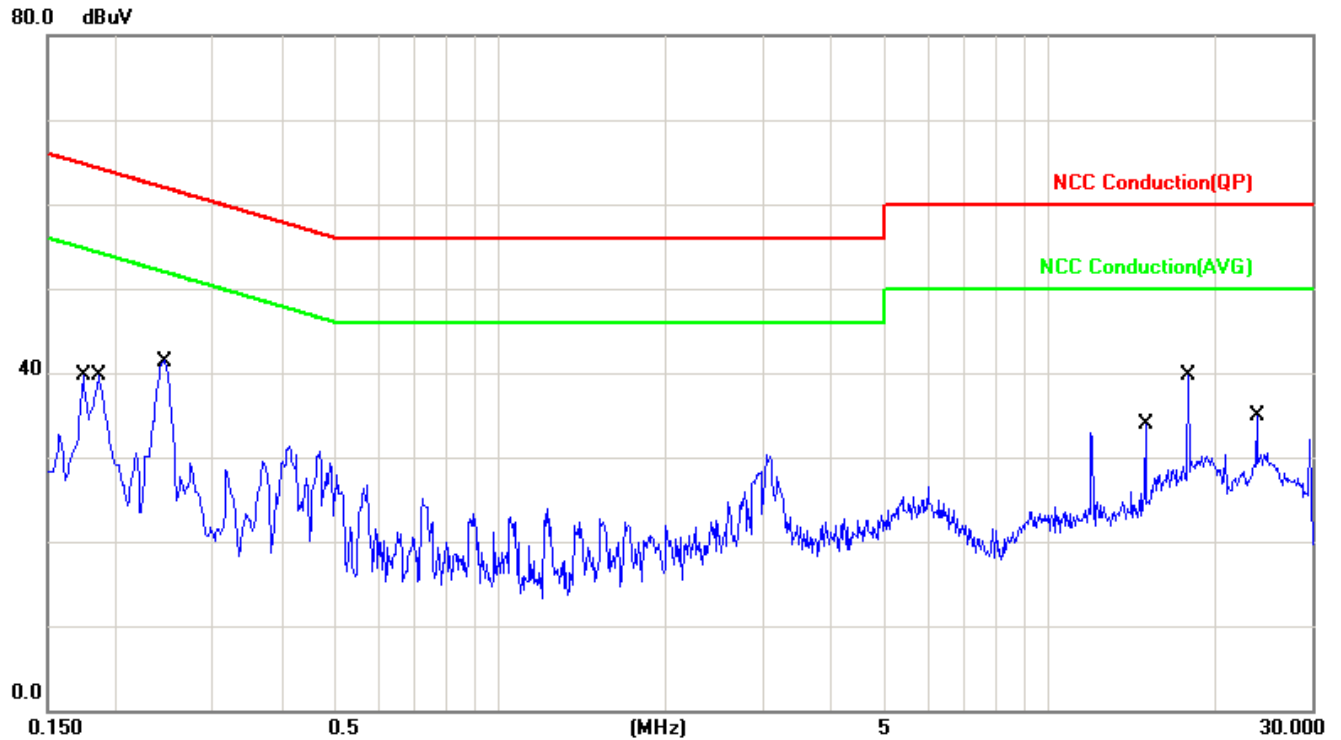
#19

Date: 2020/11/14

Temperature: 22 °C

Time: 上午 11:08:15

Humidity: 60 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Band3
 Note:

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

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.174	30.19	QP	9.60	39.79	64.77	-24.98
2	0.186	30.11	QP	9.59	39.70	64.21	-24.51
3	0.242	31.54	QP	9.59	41.13	62.03	-20.90
4	14.914	23.92	QP	9.90	33.82	60.00	-26.18
*5	17.898	29.71	QP	9.96	39.67	60.00	-20.33
6	23.866	24.91	QP	10.02	34.93	60.00	-25.07

- 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: Mode J

File: 20-10-MAS-019

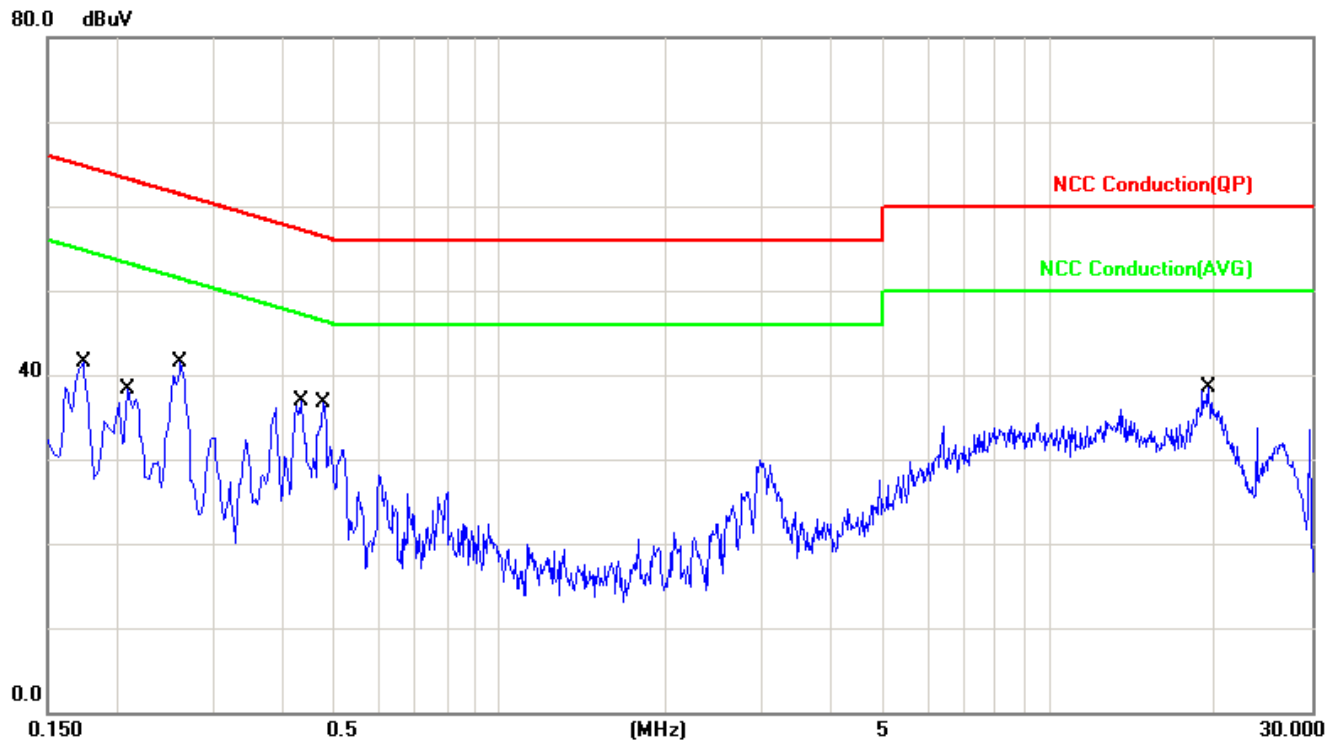
#25

Date: 2020/11/14

Temperature: 22 °C

Time: 上午 11:40:30

Humidity: 60 %



Site: CE04-10M 2F

Condition: NCC Conduction(QP)

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: Normal1

Note: HDMI+USB+BT+LAN

Phase:

L1

Power:

AC 110V/60Hz

Operator:

Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.174	31.74	QP	9.66	41.40	64.77	-23.37
2	0.210	28.58	QP	9.65	38.23	63.21	-24.98
3	0.262	31.86	QP	9.65	41.51	61.37	-19.86
4	0.434	27.26	QP	9.66	36.92	57.18	-20.26
*5	0.478	27.13	QP	9.66	36.79	56.37	-19.58
6	19.482	28.55	QP	9.93	38.48	60.00	-21.52

- 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: 20-10-MAS-019

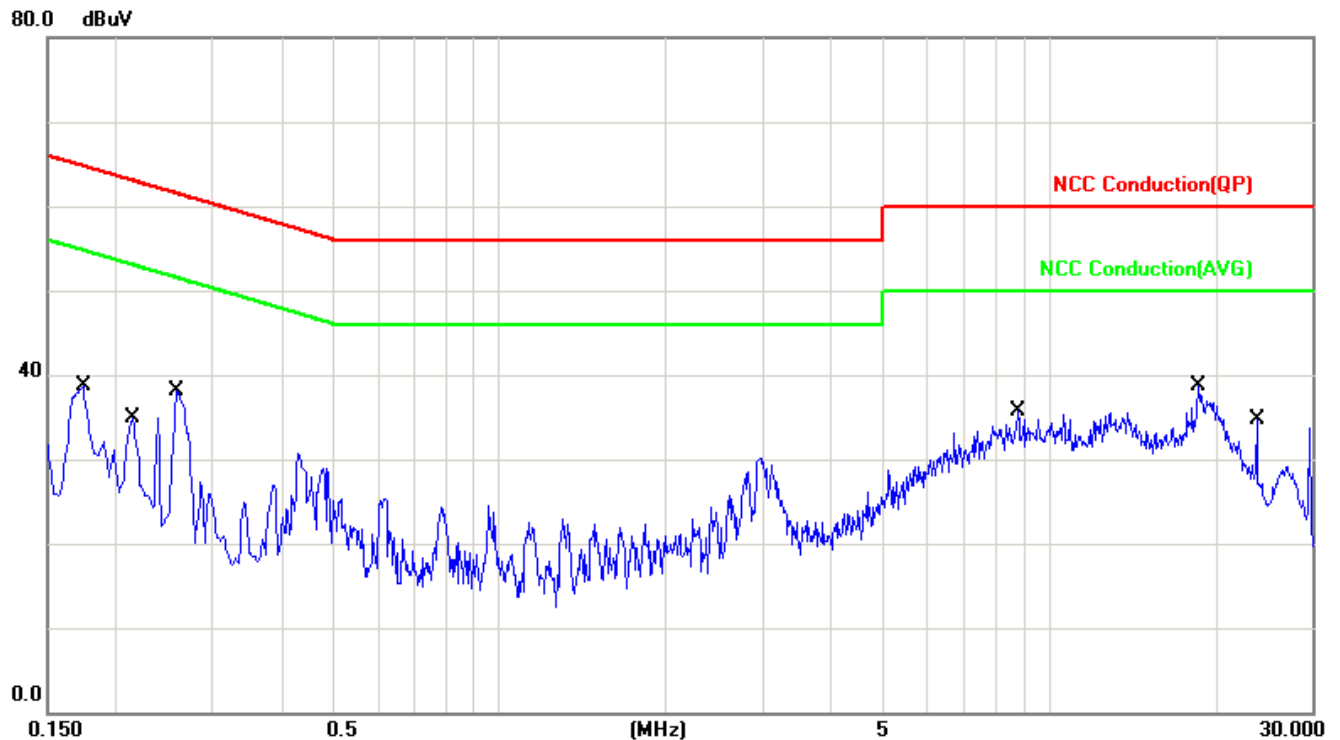
#26

Date: 2020/11/14

Temperature: 22 °C

Time: 上午 11:42:52

Humidity: 60 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Normal1
 Note: HDMI+USB+BT+LAN

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

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.174	29.07	QP	9.60	38.67	64.77	-26.10
2	0.214	25.28	QP	9.59	34.87	63.05	-28.18
3	0.258	28.42	QP	9.59	38.01	61.50	-23.49
4	8.754	25.97	QP	9.77	35.74	60.00	-24.26
*5	18.706	28.66	QP	9.97	38.63	60.00	-21.37
6	23.834	24.69	QP	10.02	34.71	60.00	-25.29

- 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: Mode K

File: 20-10-MAS-019

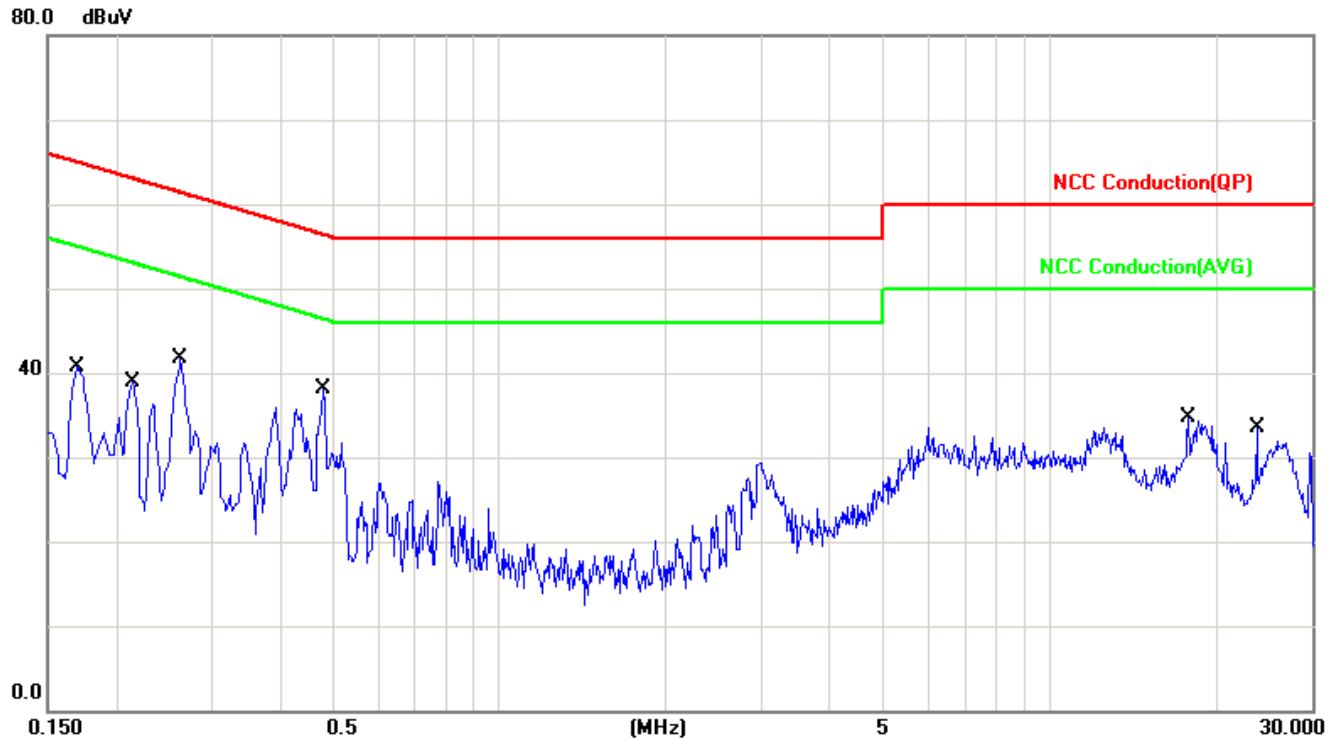
#28

Date: 2020/11/14

Temperature: 22 °C

Time: 上午 11:49:17

Humidity: 60 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Normal2
 Note: HDMI+USB+BT+WiFi

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

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.170	31.12	QP	9.66	40.78	64.96	-24.18
2	0.214	29.19	QP	9.65	38.84	63.05	-24.21
3	0.262	32.03	QP	9.65	41.68	61.37	-19.69
*4	0.478	28.35	QP	9.66	38.01	56.37	-18.36
5	17.902	24.87	QP	9.91	34.78	60.00	-25.22
6	23.870	23.53	QP	9.93	33.46	60.00	-26.54

- 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: 20-10-MAS-019

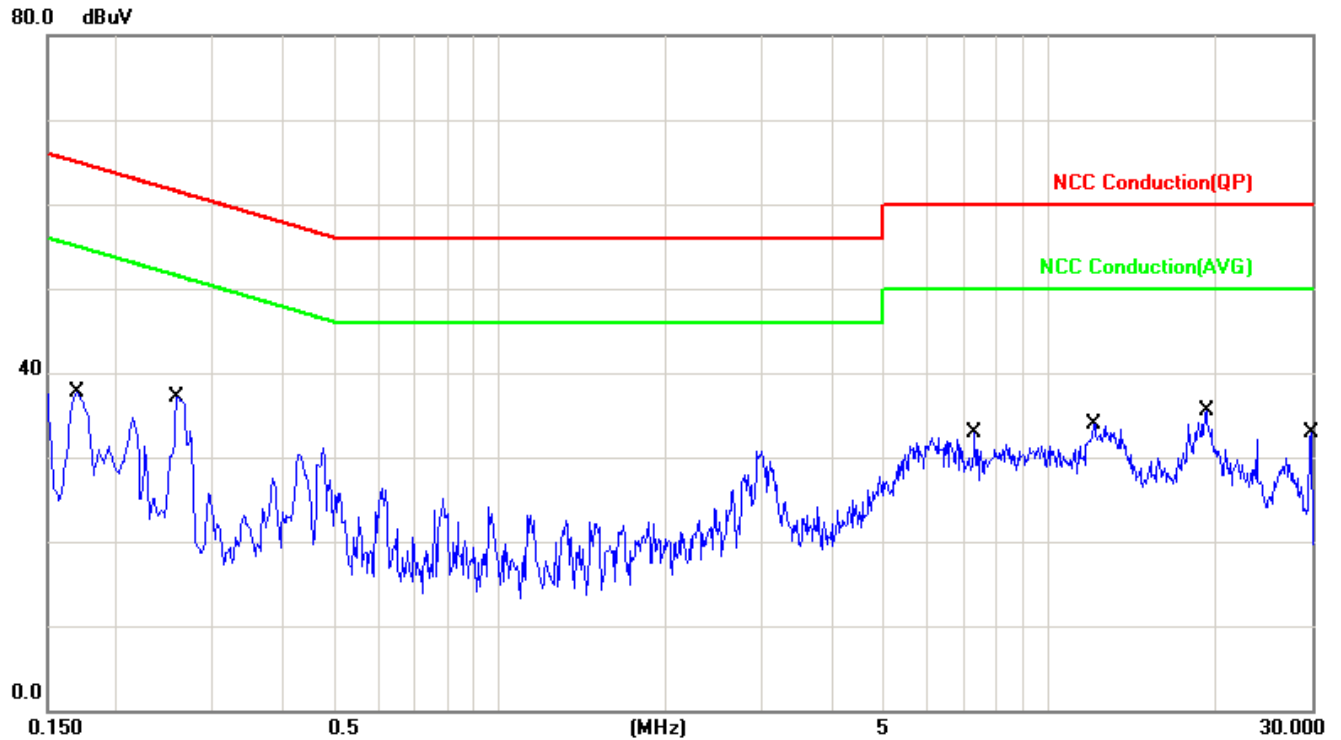
#27

Date: 2020/11/14

Temperature: 22 °C

Time: 上午 11:47:41

Humidity: 60 %



Site: CE04-10M 2F

Condition: NCC Conduction(QP)

Phase: N

EUT: Development Kit for PlayStation5

Power: AC 110V/60Hz

Model: DFI-D1000AA

Test Mode: Normal2

Operator: Phillip

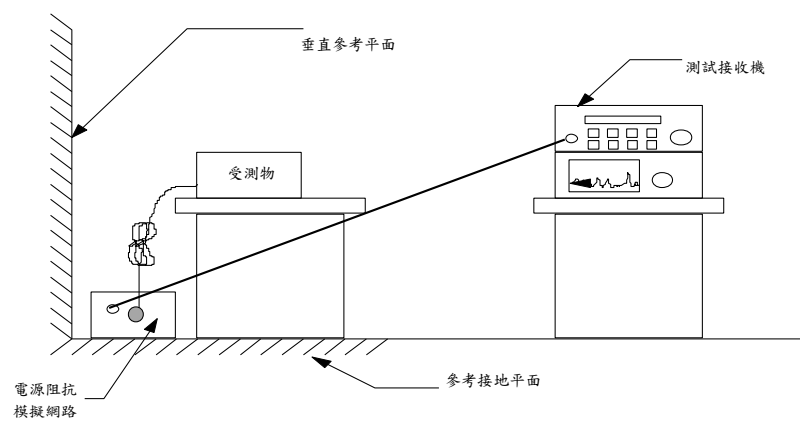
Note: HDMI+USB+BT+WiFi

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.170	28.06	QP	9.60	37.66	64.96	-27.30
*2	0.258	27.55	QP	9.59	37.14	61.50	-24.36
3	7.294	23.16	QP	9.74	32.90	60.00	-27.10
4	12.038	24.16	QP	9.84	34.00	60.00	-26.00
5	19.306	25.44	QP	9.99	35.43	60.00	-24.57
6	29.842	22.86	QP	10.04	32.90	60.00	-27.10

- 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

國家通訊傳播委員會低功率射頻器材技術規範5.7.8節規定，天線之規格不受3.2 規定之限制。若使用超過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：L34RF052

Antenna Type	IFA
Operation Frequency Range	5150~5850 MHz
Antenna Gain	5.0 dBi

Antenna2(CHAIN 1)：

廠牌：LUXSHARE-ICT 型號：L34RF049

Antenna Type	IFA
Operation Frequency Range	5150~5850 MHz
Antenna Gain	2 dBi

(參照天線規格資料)

操作於MIMO模式下，Antenna1(CHAIN 0)+Antenna2(CHAIN 1) = 6.64 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 6.64 dBi 高於6dBi，因此需減少最大傳導輸出功率及功率密度之限制值。

6 發射頻寬之量測

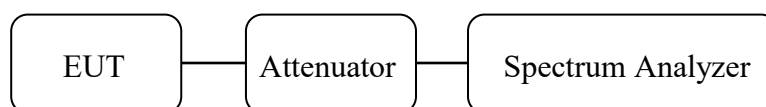
6.1 適用標準

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

國家通訊傳播委員會低功率射頻器材技術規範5.7節無規定限制值，僅提供數據參考計算用。

6.2 測試配置

圖 2：發射頻寬之測試配置



6.3 發射頻寬之量測儀器

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

測試軟體: LZ-RF (Ver. ETC-3A2)

6.4 量測結果

測試工程師: 羅世勇

6.4.1 調變技術: IEEE 802.11a

測試日期: Nov. 02, 2020

環境溫度 : 25°C

環境濕度: 49%

Channel	26dB Bndwidth (MHz)	Chart
L	20.6756	Page 35
M	20.6756	Page 36
H	20.5942	Page 37

註：繪圖資料請參考第 35-37 頁。

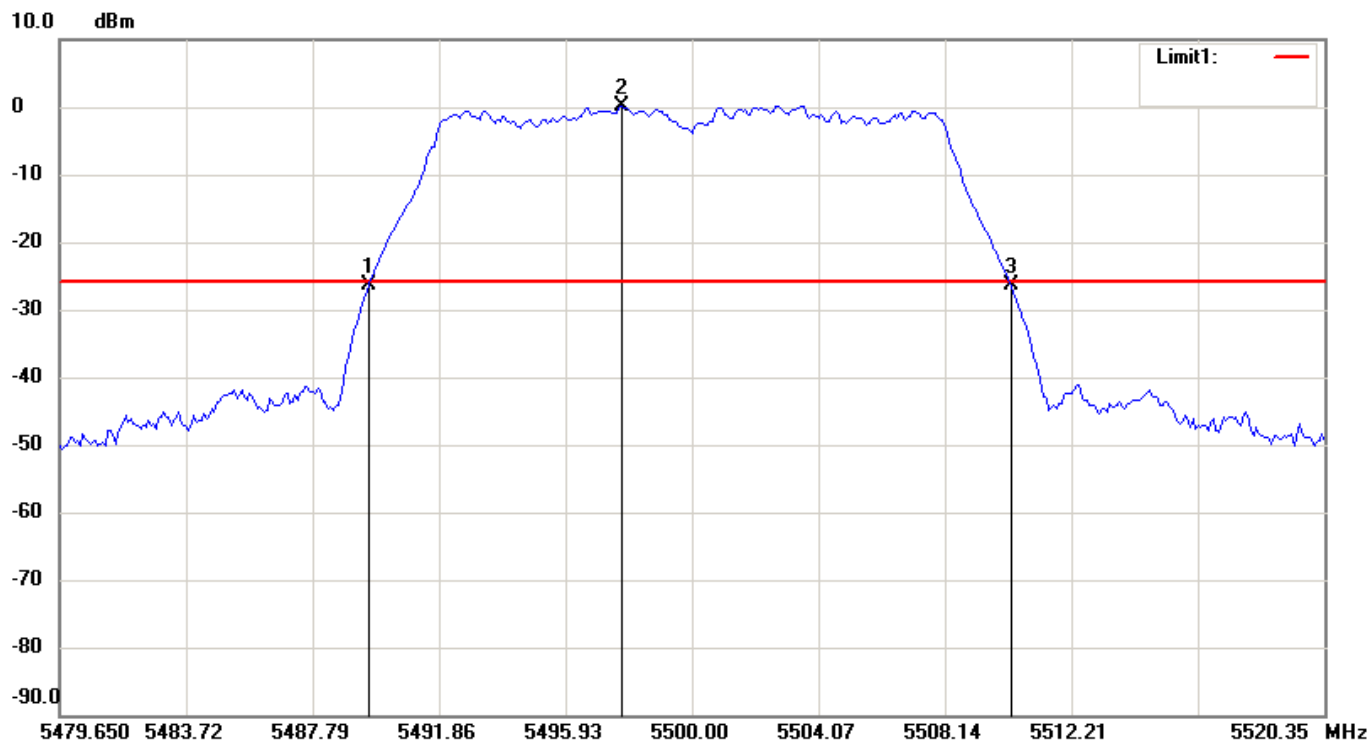
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#2

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -25.84dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a Channel 100_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5489.58080	-26.37
2	5497.72080	0.16
3	5510.25640	-26.26

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.6756	0.11

File: 20-10-MAS-019_5-6a_ANT1

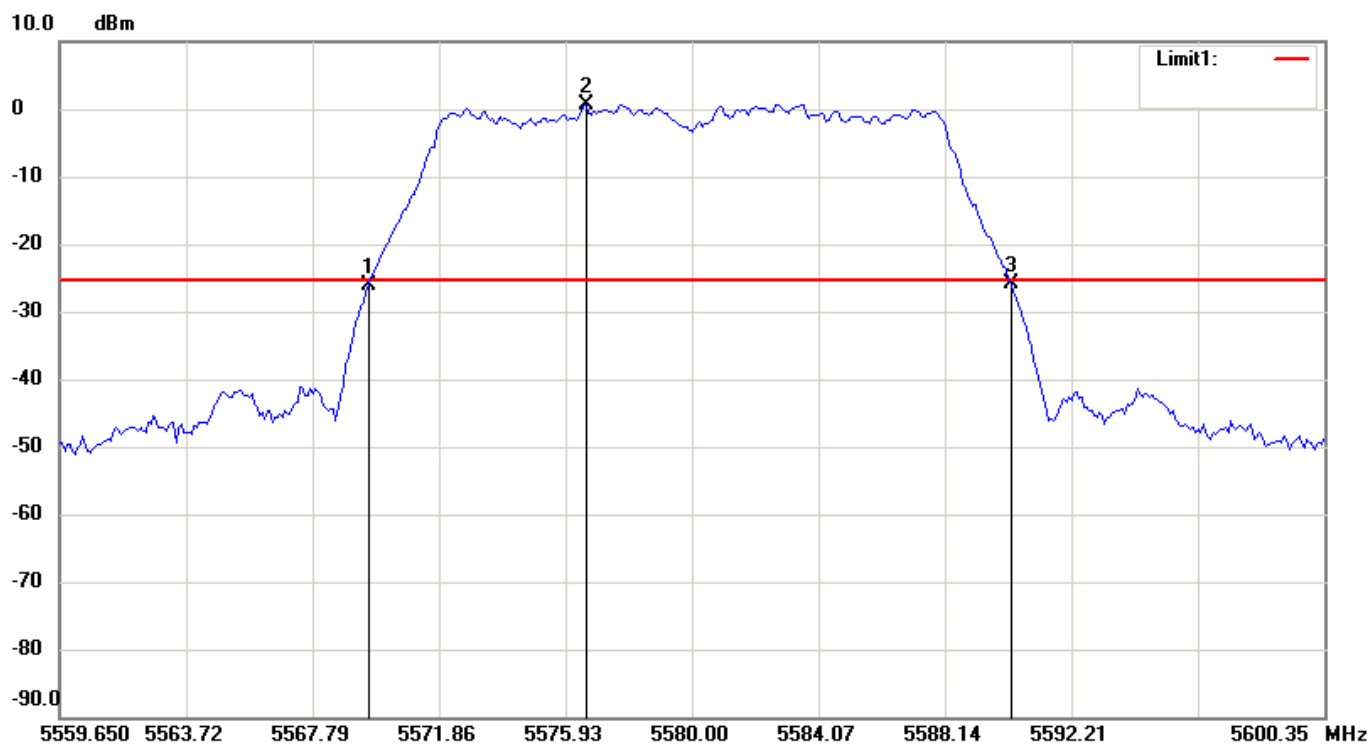
#9

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition: -25.31dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a Channel 116_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5569.58080	-26.17
2	5576.58120	0.69
3	5590.25640	-25.78

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.6756	0.39

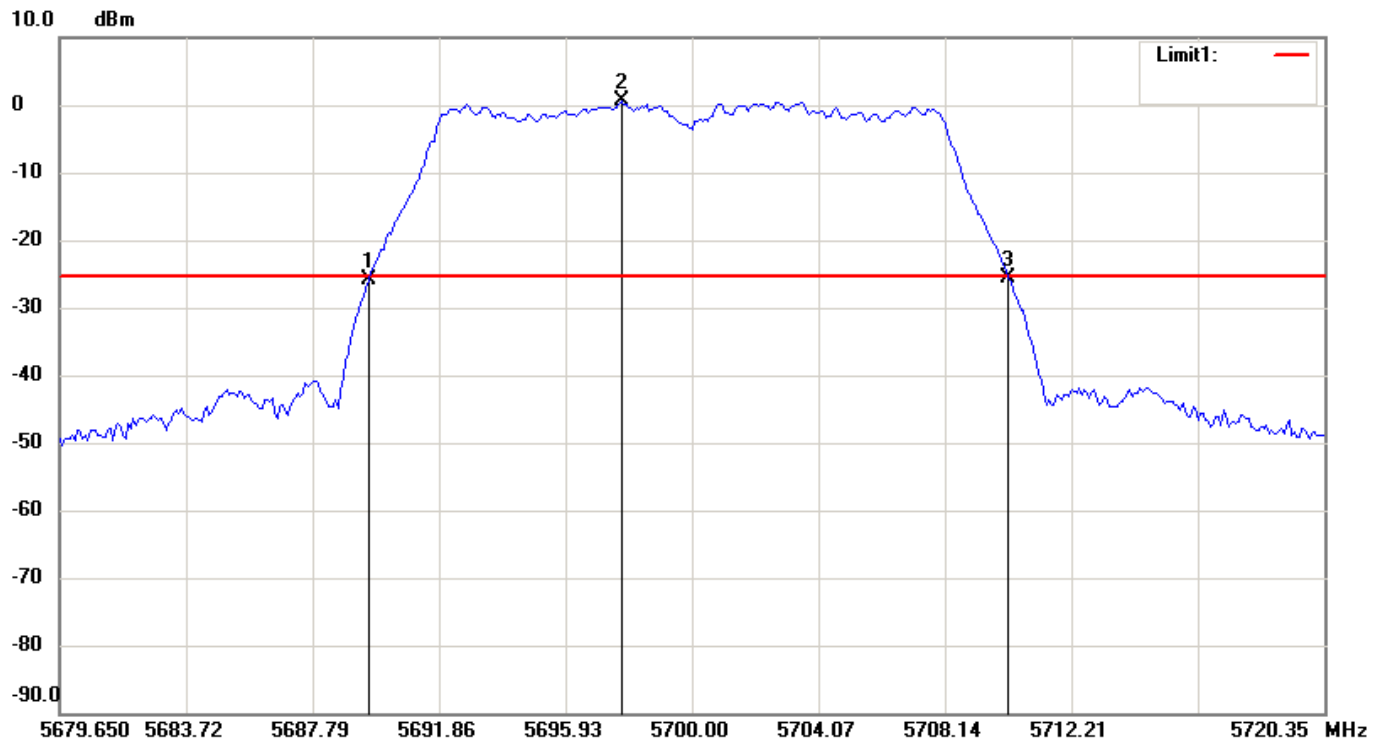
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#15

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -25.4dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a Channel 140_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5689.58080	-25.75
2	5697.72080	0.60
3	5710.17500	-25.63

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.5942	0.12

6.4.2 調變技術: IEEE 802.11ax (20MHz)

6.4.2.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Channel	26dB Bndwidth (MHz)	Chart
L	20.8384	Page 39
M	20.8384	Page 40
H	20.8384	Page 41

註：繪圖資料請參考第 39-41 頁。

File: 20-10-MAS-019_5-6ax20_ANT1

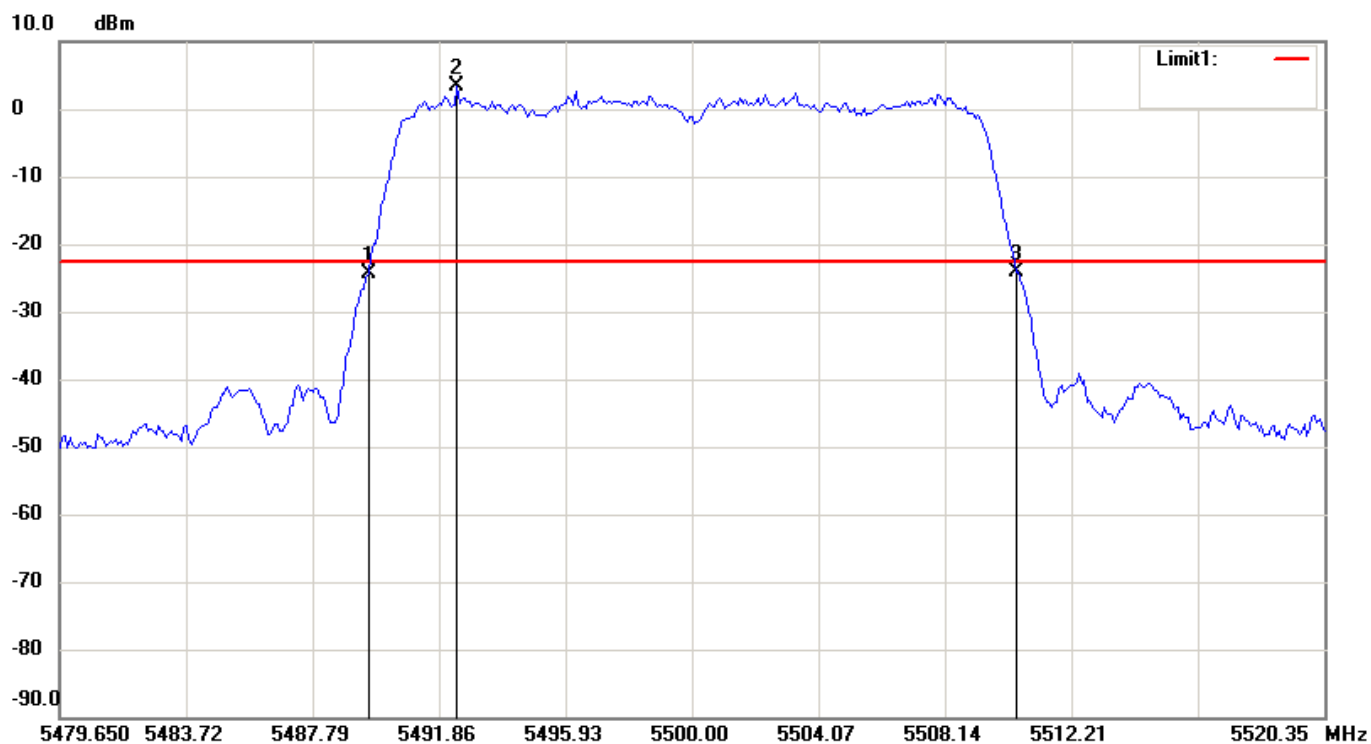
#2

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition: -22.63dBm

RF Conducted

EUT: Development Kit for PlayStation5

Sweep Time: 1ms Att.: 15dB

Model: DFI-D1000AA

RBW: 300 KHz

VBW: 1000 KHz

Test Mode: UNII

Operator:

Phillip

Note: NCC_LP0002_802.11ax20 Channel 100_-26dB EBW

No.	Frequency(MHz)	Level(dBm)
1	5489.58080	-24.36
2	5492.42980	3.37
3	5510.41920	-24.05

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.8384	0.31

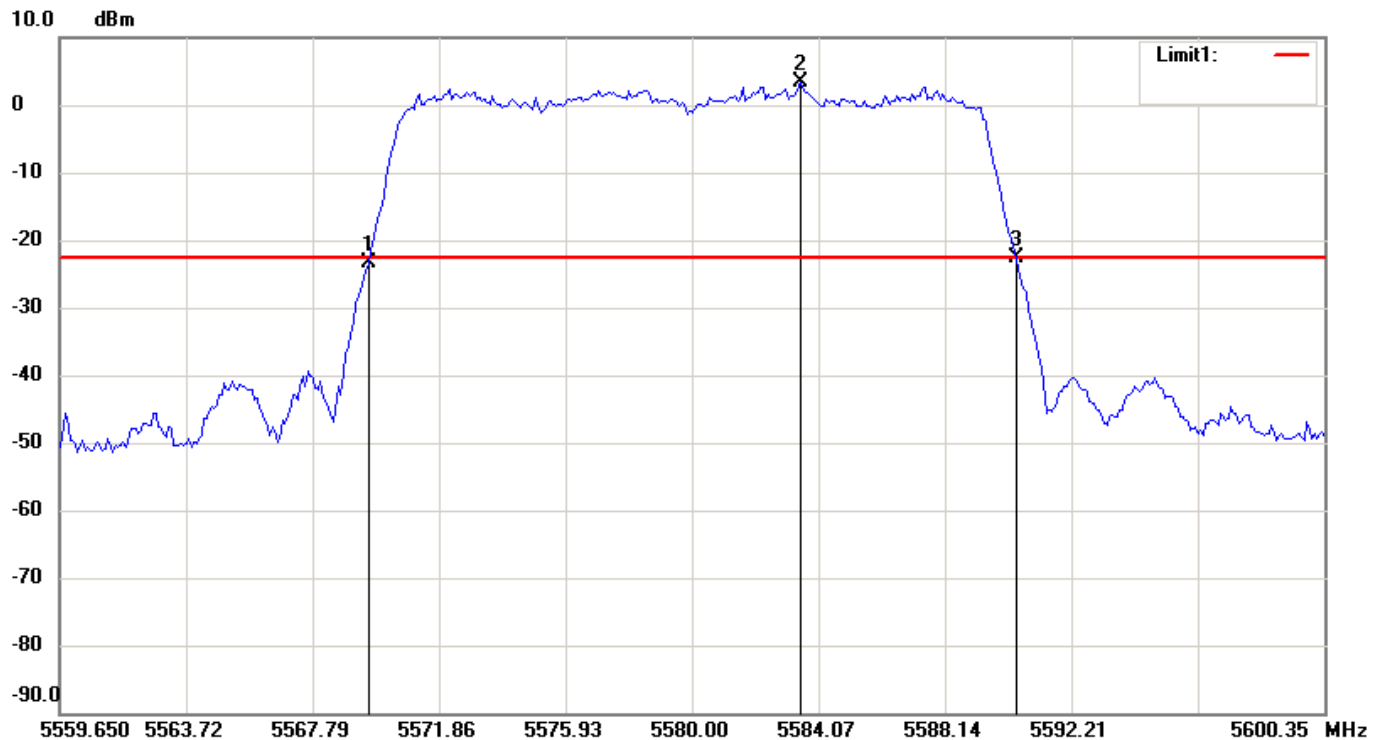
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#9

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -22.58dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 116_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5569.58080	-23.41
2	5583.50020	3.42
3	5590.41920	-22.61

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.8384	0.8

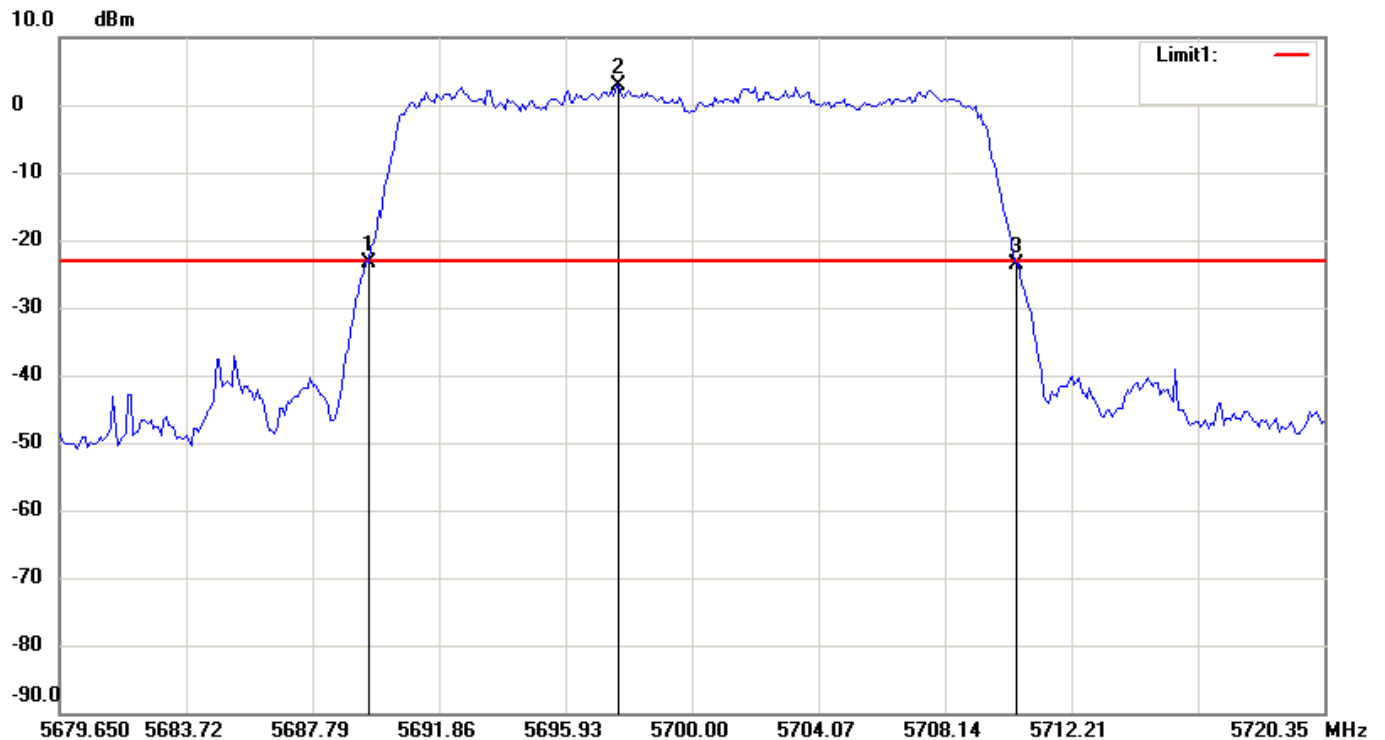
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#15

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -23.04dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 140_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5689.58080	-23.38
2	5697.63940	2.96
3	5710.41920	-23.68

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.8384	-0.3

6.4.2.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Channel	26dB Bndwidth (MHz)	Chart
L	20.8384	Page 43
M	20.9198	Page 44
H	20.8384	Page 45

註：繪圖資料請參考第 43-45 頁。

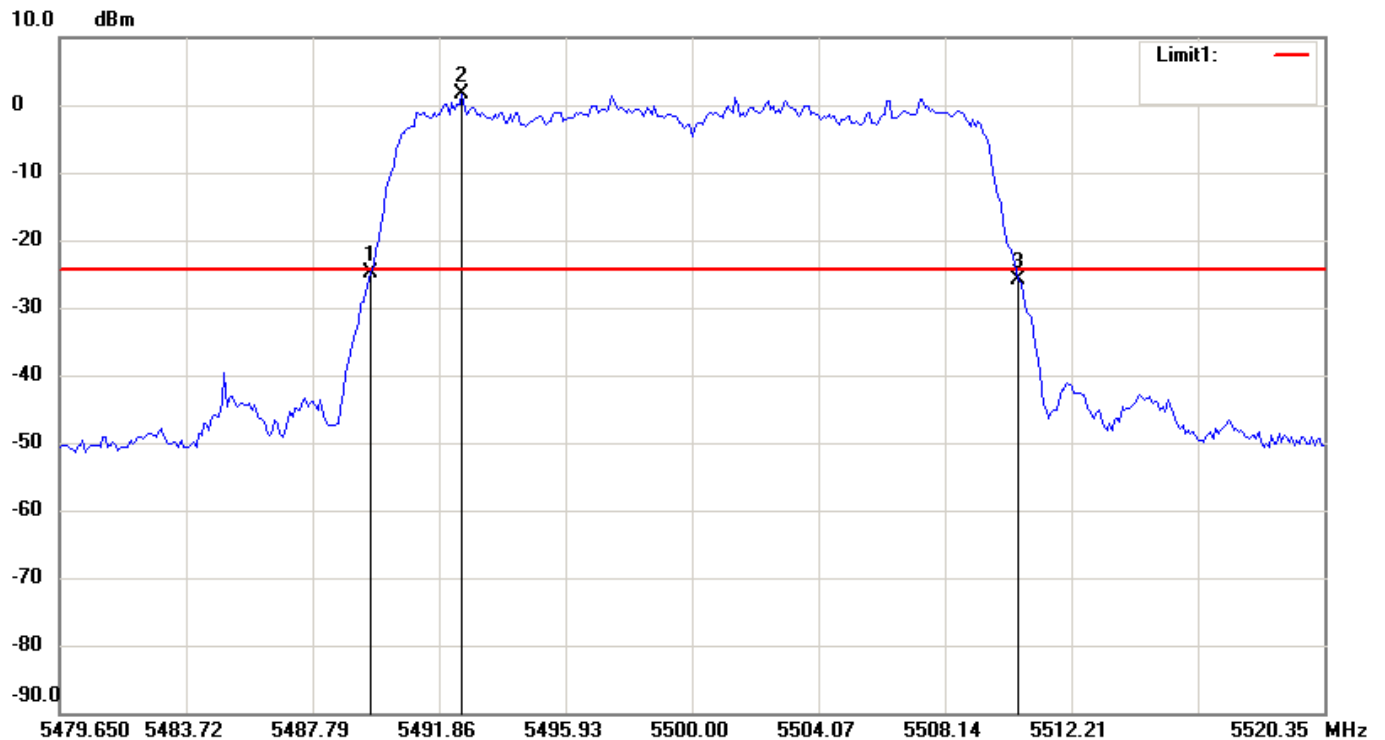
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#2

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -24.45dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 100_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5489.66220	-24.81
2	5492.59260	1.55
3	5510.50060	-25.90

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.8384	-1.09

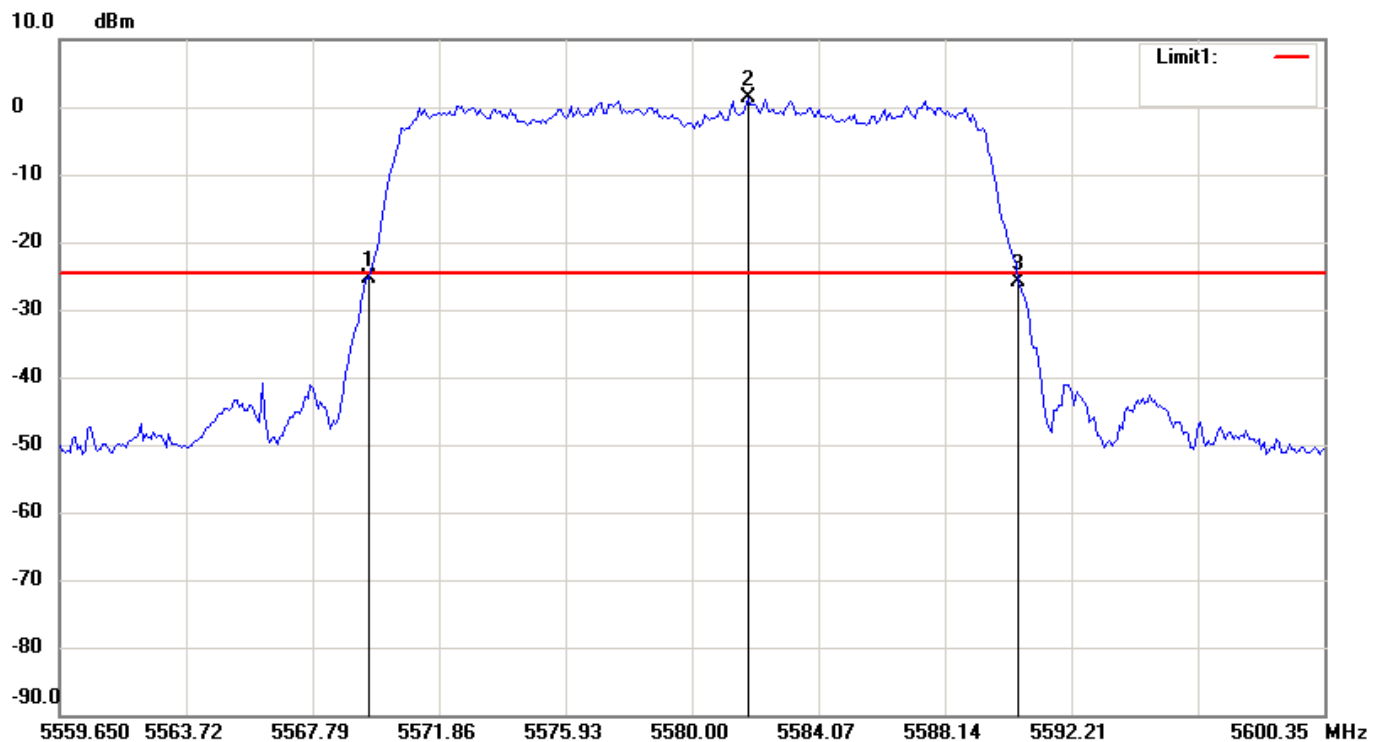
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#9

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -24.63dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 116_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz

Operator:

VBW: 1000 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	5569.58080	-25.40
2	5581.79080	1.37
3	5590.50060	-25.86

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.9198	-0.46

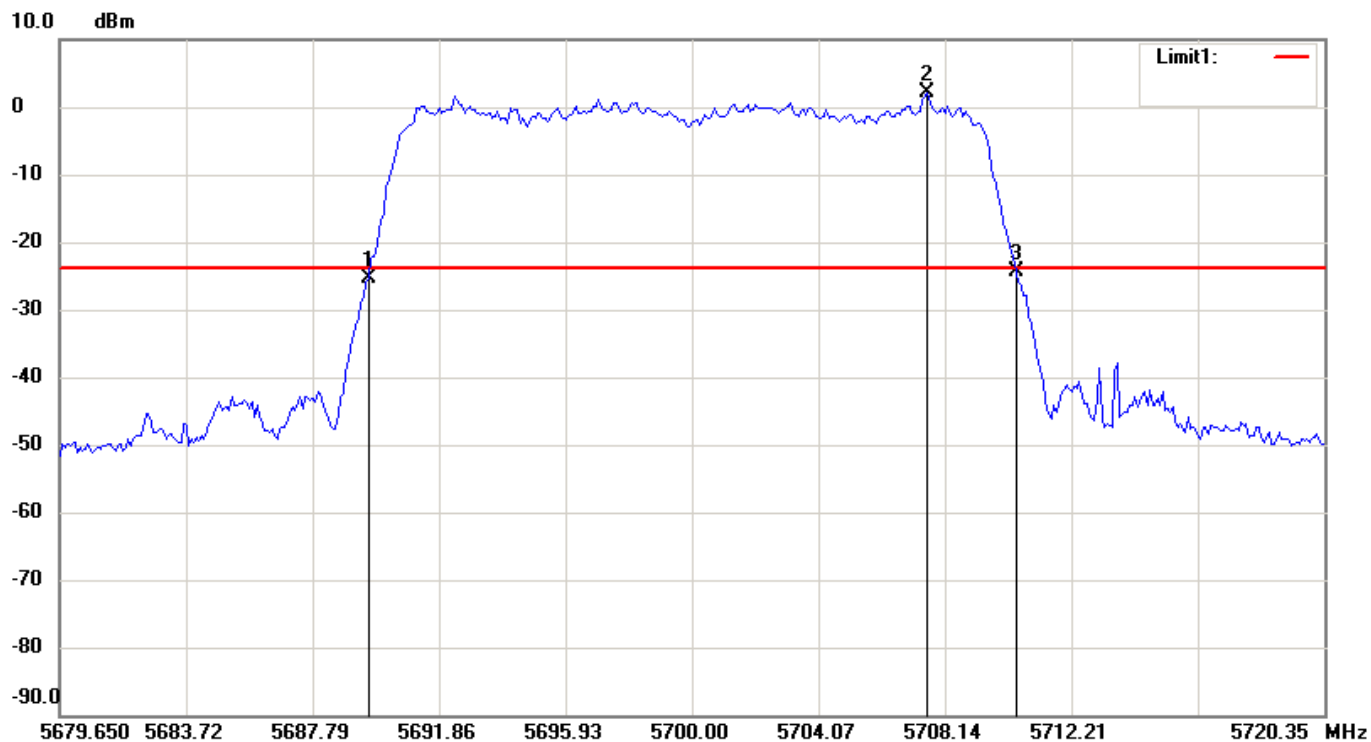
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#15

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -23.75dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20 Channel 140_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 300 KHz VBW: 1000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5689.58080	-25.25
2	5707.57020	2.25
3	5710.41920	-24.33

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	20.8384	0.92

6.4.3 調變技術: IEEE 802.11ax (40MHz)

6.4.3.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Channel	26dB Bndwidth (MHz)	Chart
L	41.3004	Page 47
M	41.4630	Page 48
H	41.4630	Page 49

註：繪圖資料請參考第 47-49 頁。

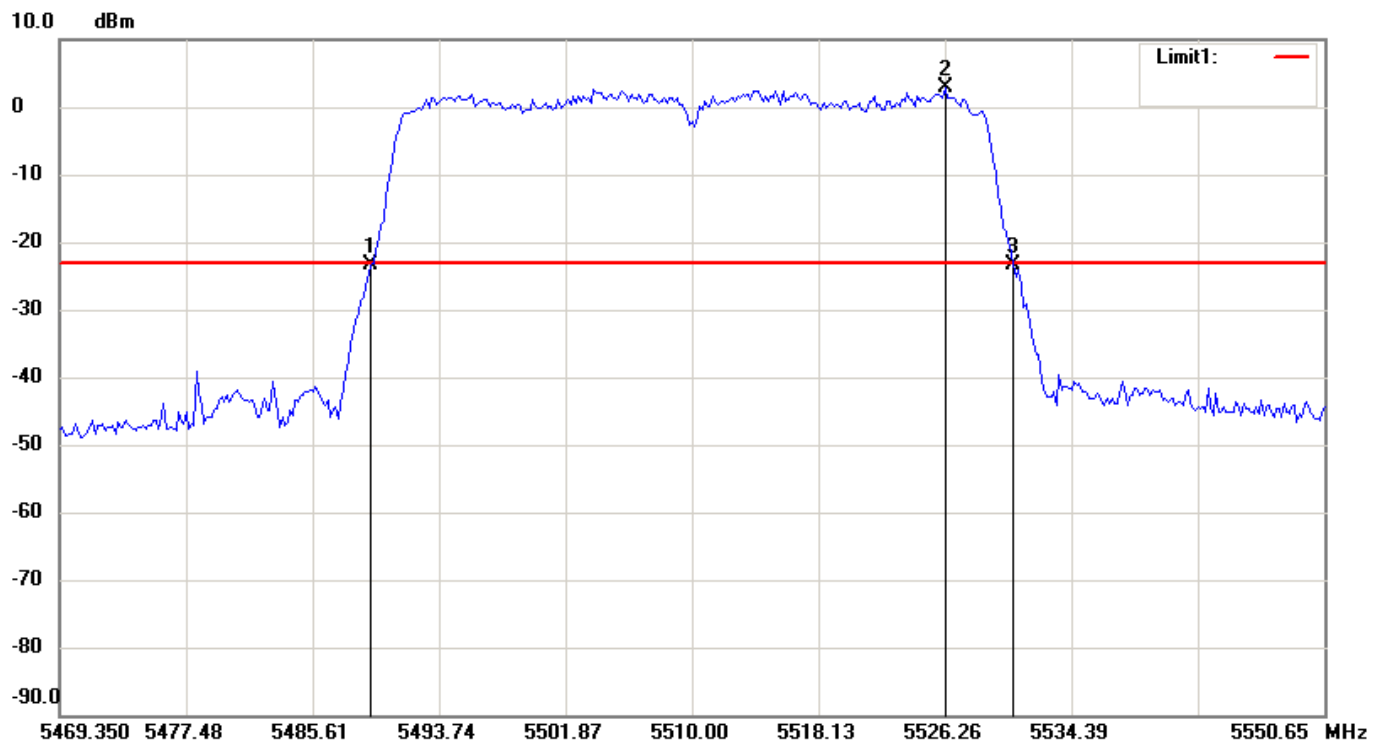
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#2

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -23.18dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 102_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5489.34980	-23.49
2	5526.26000	2.82
3	5530.65020	-23.46

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	41.3004	0.03

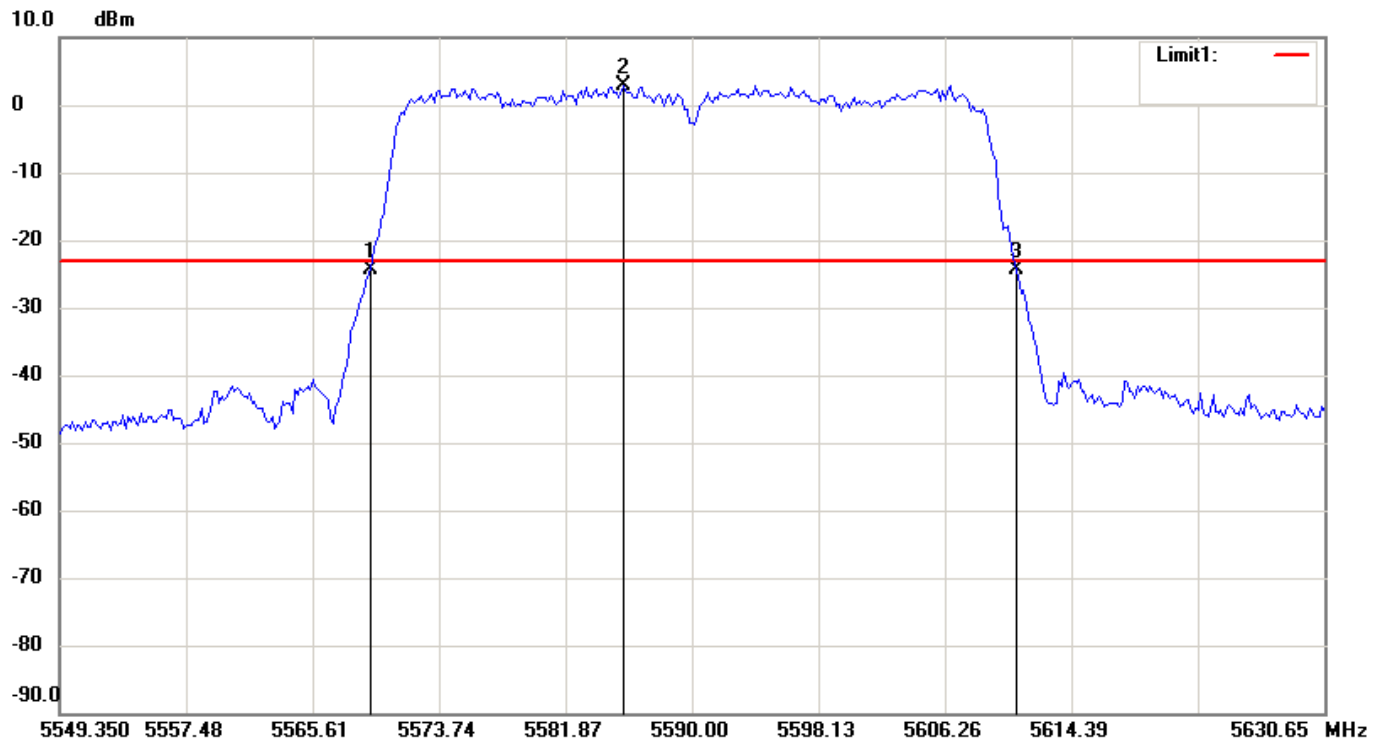
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#9

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -23.13dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 118_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5569.34980	-24.25
2	5585.60980	2.87
3	5610.81280	-24.36

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	41.463	-0.11

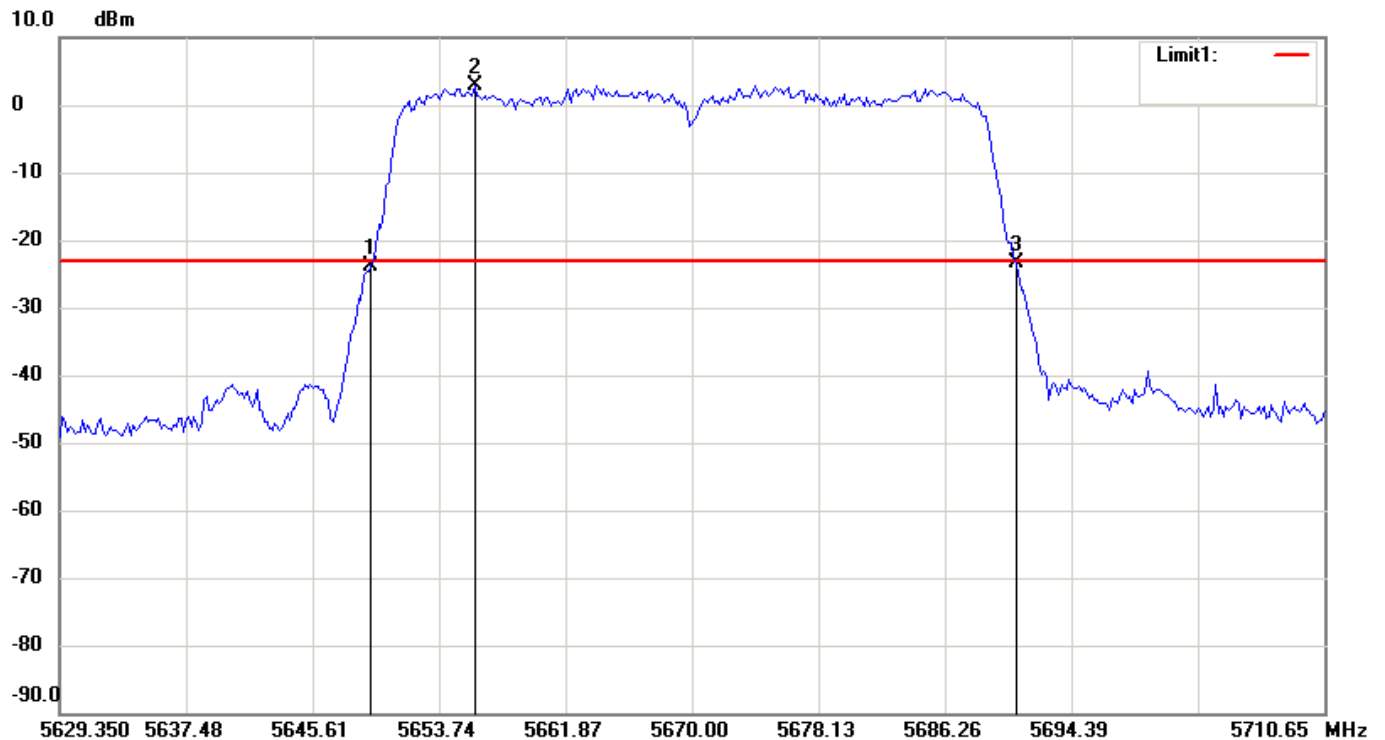
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#15

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -23.07dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 134_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5649.34980	-23.91
2	5656.01640	2.93
3	5690.81280	-23.35

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	41.463	0.56

6.4.3.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Channel	26dB Bndwidth (MHz)	Chart
L	40.9752	Page 51
M	40.9752	Page 52
H	41.1378	Page 53

註：繪圖資料請參考第 51-53 頁。

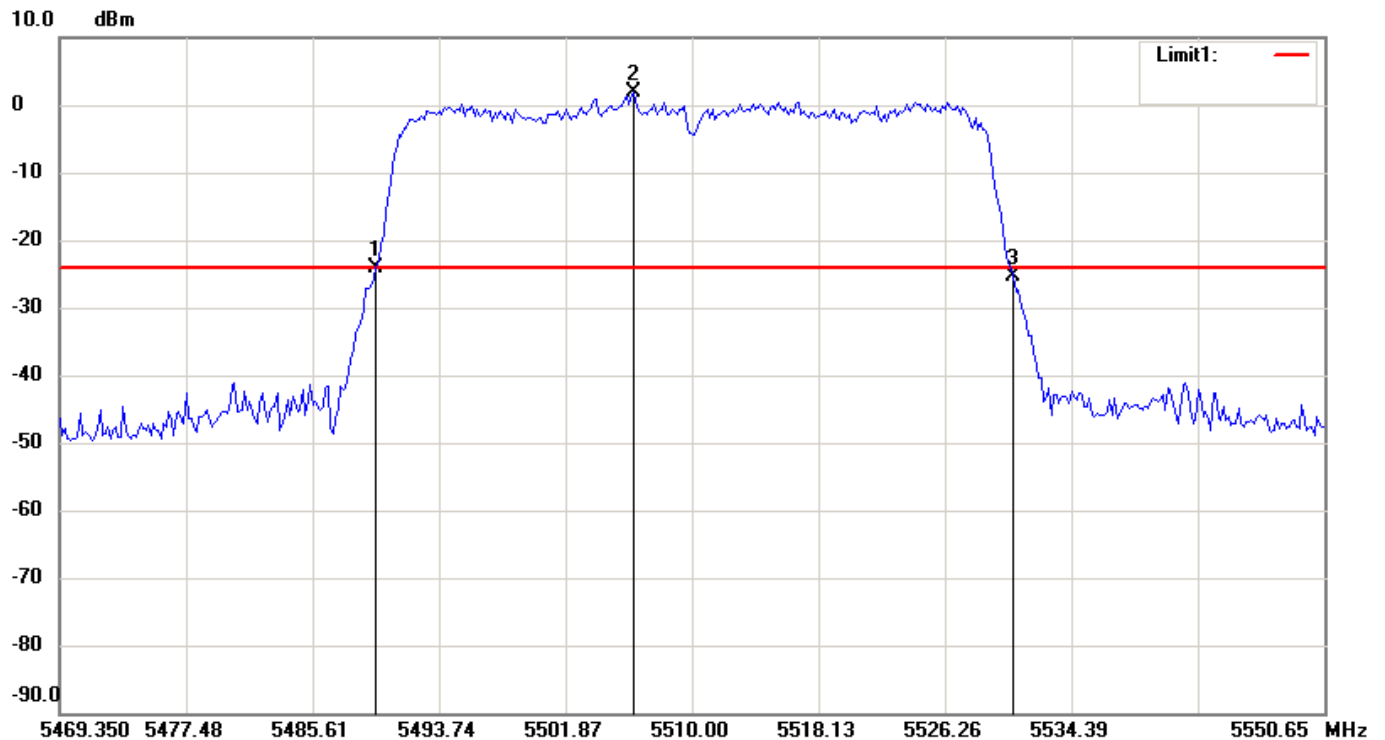
File: 20-10-MAS-019_5-6ax40_ANT2
 Site: RF-Cond01

#2

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -24.17dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 102_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5489.67500	-24.19
2	5506.26020	1.83
3	5530.65020	-25.49

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	40.9752	-1.3

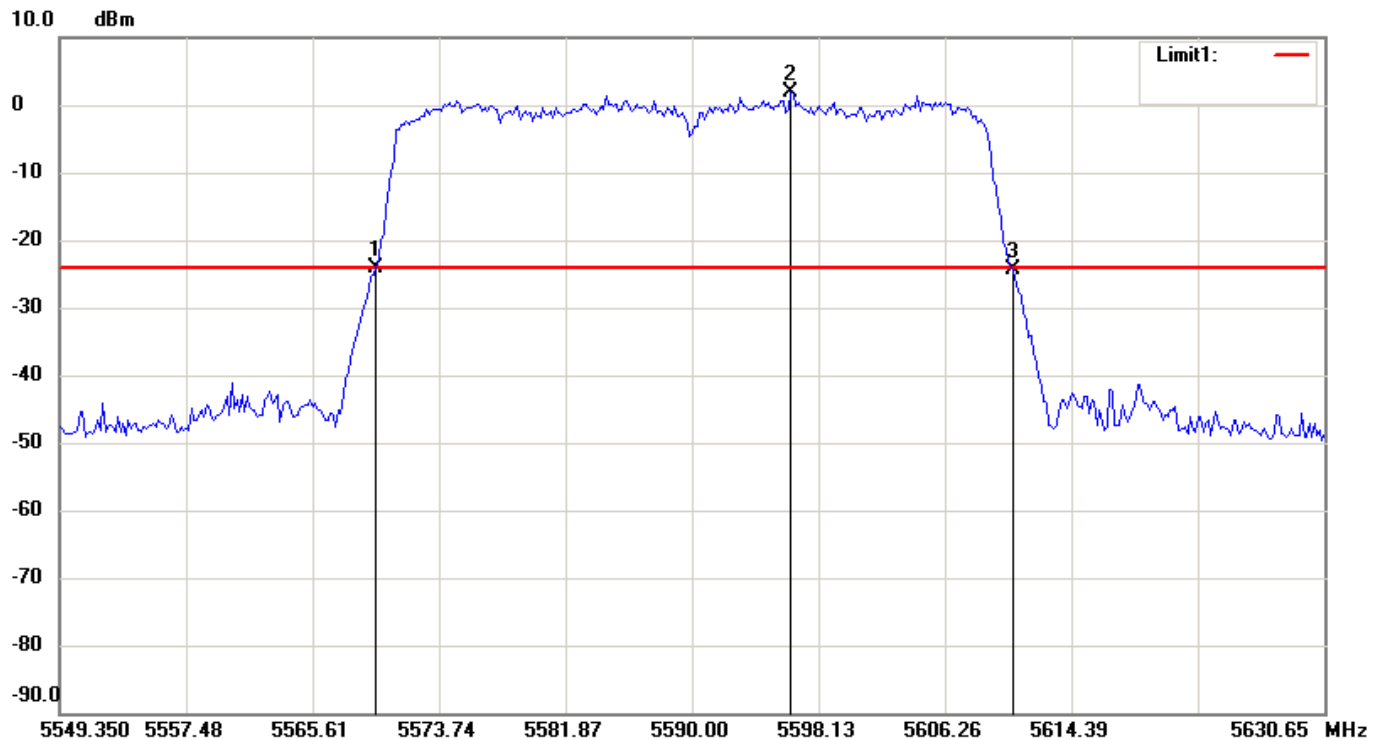
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#9

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -24.02dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 118_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5569.67500	-24.07
2	5596.34140	1.98
3	5610.65020	-24.36

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	40.9752	-0.29

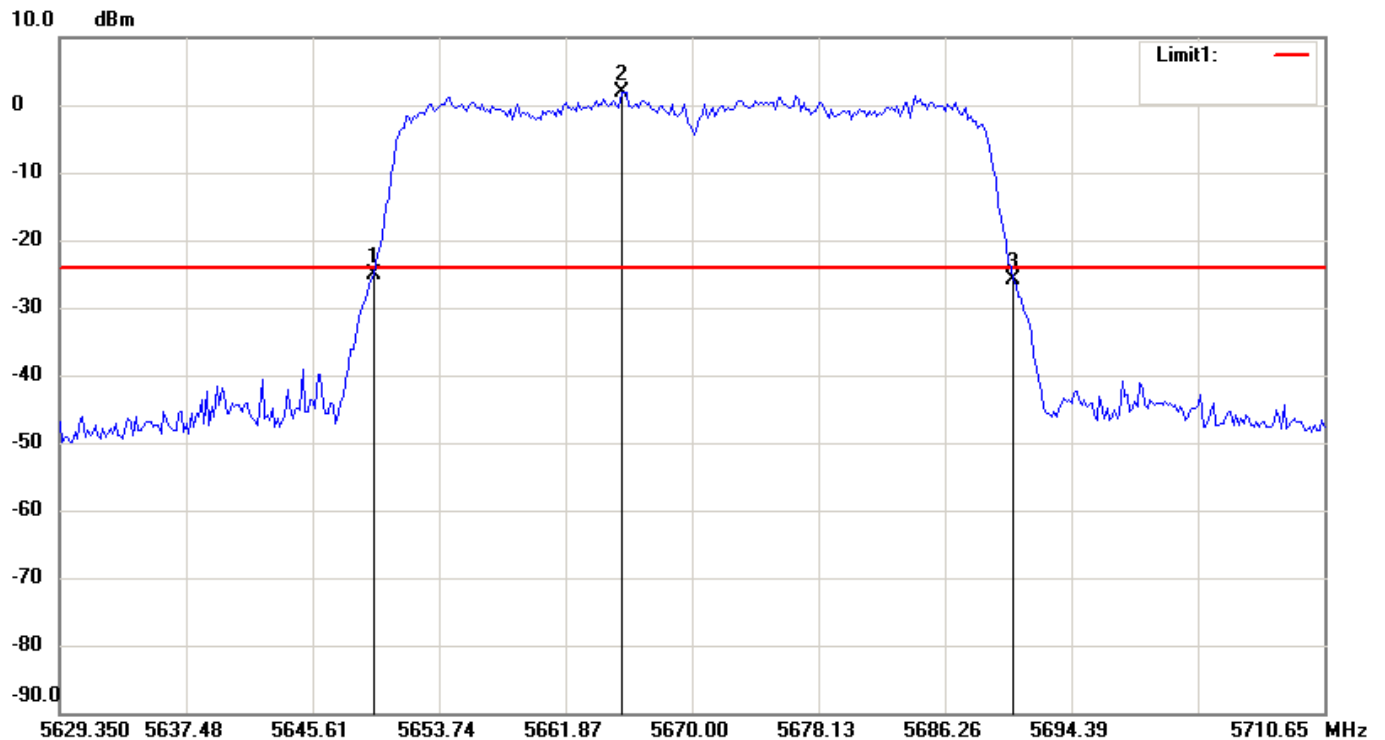
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#15

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -24.1dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40 Channel 134_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 500 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5649.51240	-25.09
2	5665.44720	1.90
3	5690.65020	-25.80

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	41.1378	-0.71

6.4.4 調變技術:IEEE 802.11ax (80MHz)

6.4.4.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Channel	26dB Bndwidth (MHz)	Chart
L	81.5000	Page 55
H	81.8260	Page 56

註：繪圖資料請參考第 55-56 頁。

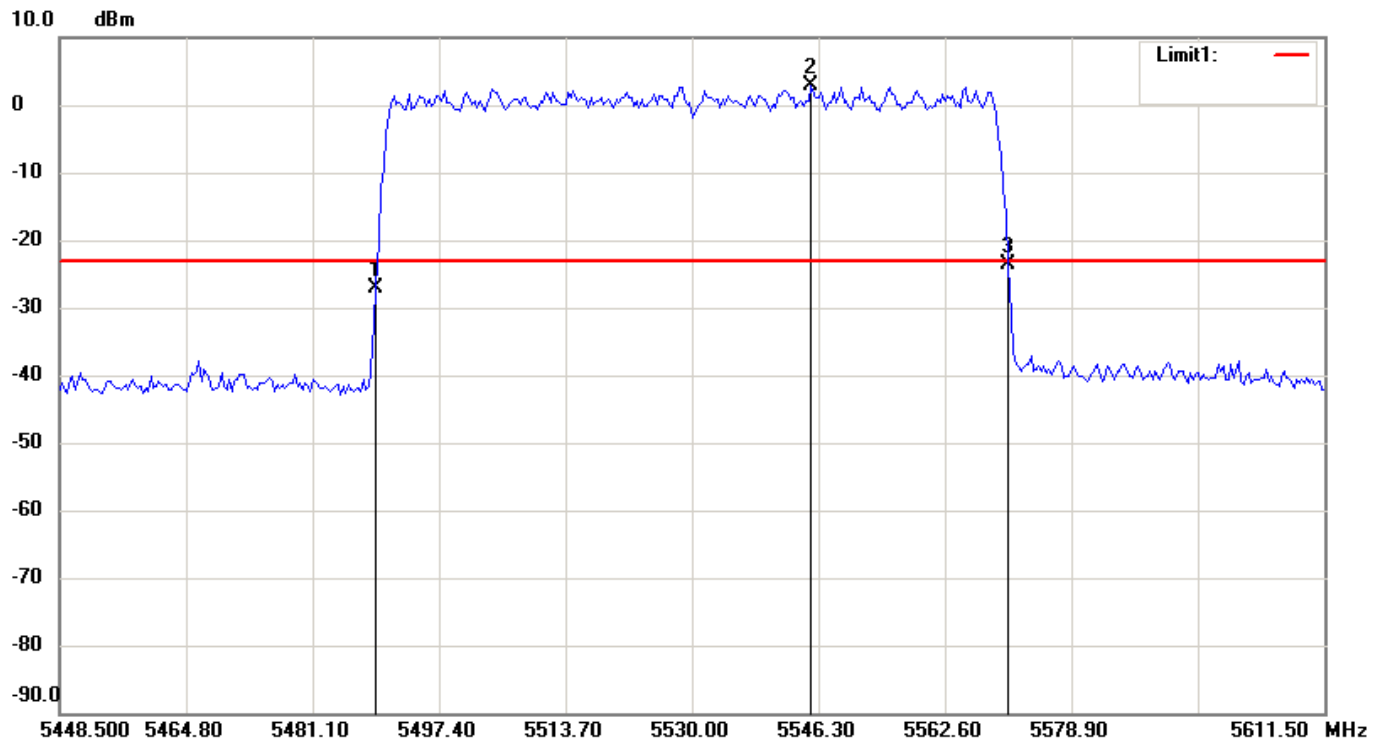
File: 20-10-MAS-019_5-6ax80_ANT1
Site: RF-Cond01

#2

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -23.12dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 106_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5489.25000	-27.09
2	5545.32200	2.88
3	5570.75000	-23.58

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	81.5	3.51

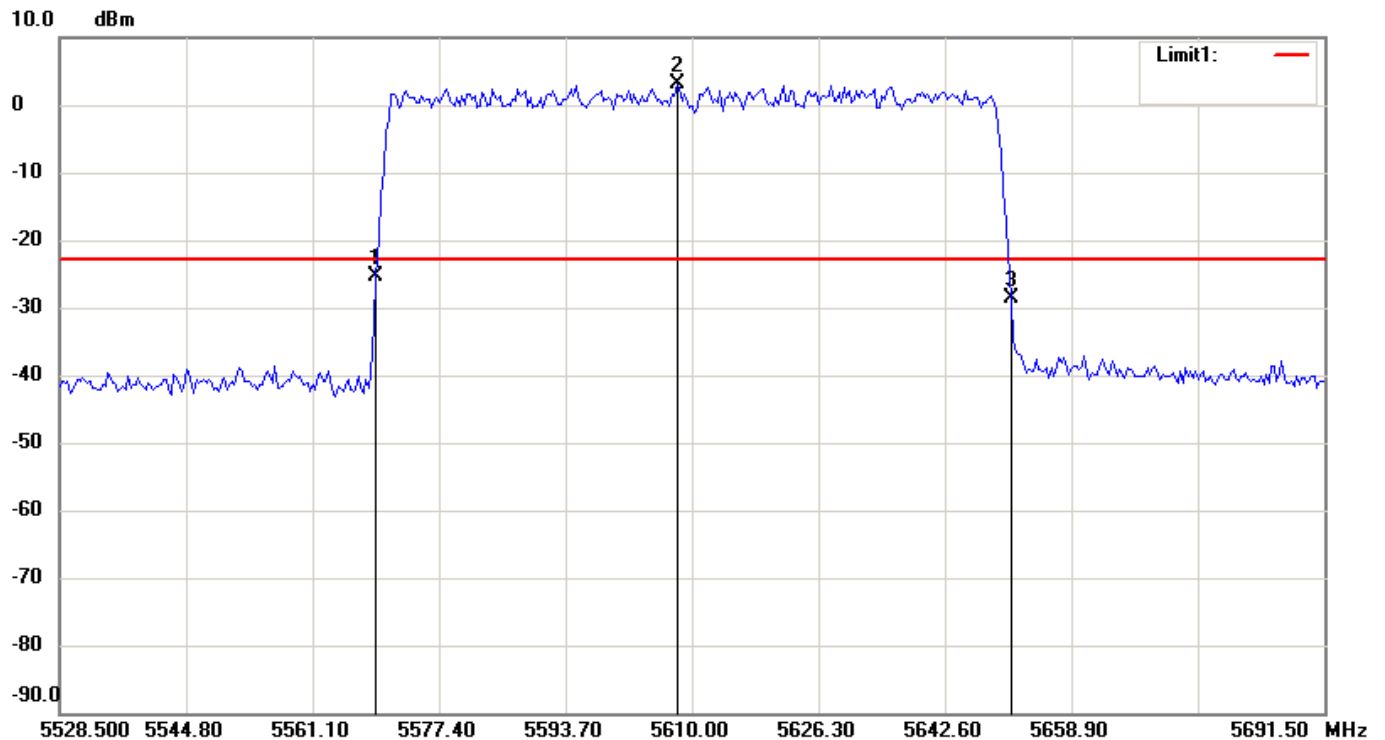
File: 20-10-MAS-019_5-6ax80_ANT1
Site: RF-Cond01

#9

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -22.8dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 122_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5569.25000	-25.30
2	5608.04400	3.20
3	5651.07600	-28.67

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	81.826	-3.37

6.4.4.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Channel	26dB Bndwidth (MHz)	Chart
L	81.5000	Page 58
H	81.8260	Page 59

註：繪圖資料請參考第 58-59 頁。

6.5 結果判定

僅提供數據，無須判定。

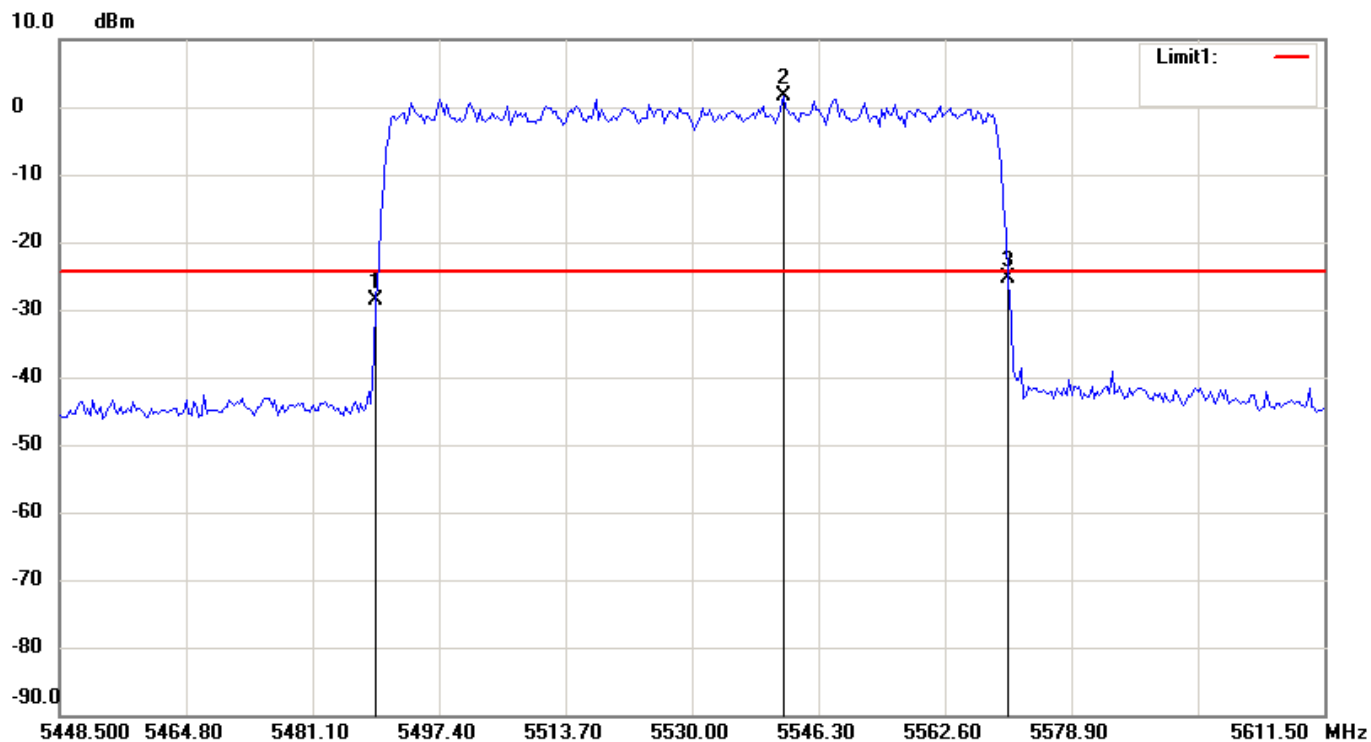
File: 20-10-MAS-019_5-6ax80_ANT2
Site: RF-Cond01

#2

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -24.38dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 106_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5489.25000	-28.59
2	5541.73600	1.62
3	5570.75000	-25.30

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	81.5	3.29

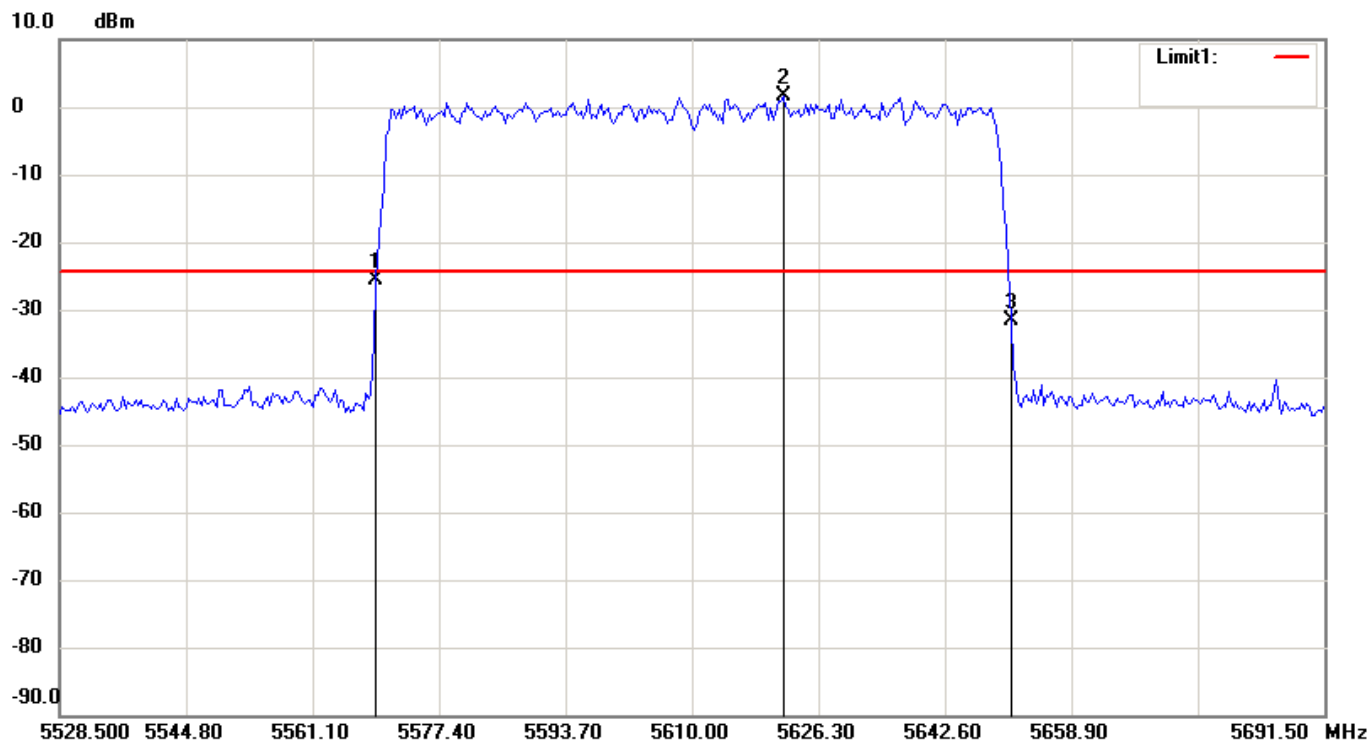
File: 20-10-MAS-019_5-6ax80_ANT2
Site: RF-Cond01

#9

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: -24.29dBm

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80 Channel 122_-26dB EBW

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5569.25000	-25.67
2	5621.73600	1.71
3	5651.07600	-31.73

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	81.826	-6.06

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器材技術規範5.7.3.2節(1)(3)之規定：

5.7.3.2節(1)：5.25 GHz～5.35 GHz頻帶，最大傳導輸出功率應小於或等於250 mW或11dBm+10log B (B 是26 dB發射頻寬，單位MHz)之較小者。

5.7.3.2節(3)：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	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

7.4 最大傳導輸出功率之量測結果

測試工程師: 羅世勇

7.4.1 調變技術: IEEE 802.11a

7.4.1.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi, NCC Limit 如下表所示:

Channel	Fixed limit (dBm)	26dB BW (MHz)	Caxulated Limit Caxulated Limit	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.676	24.15	8.38	24	Page 62
M	24	20.676	24.15	8.70	24	Page 63
H	24	20.594	24.14	8.77	24	Page 64

註: 1. 繪圖資料請參考第 62-64 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm

6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)

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

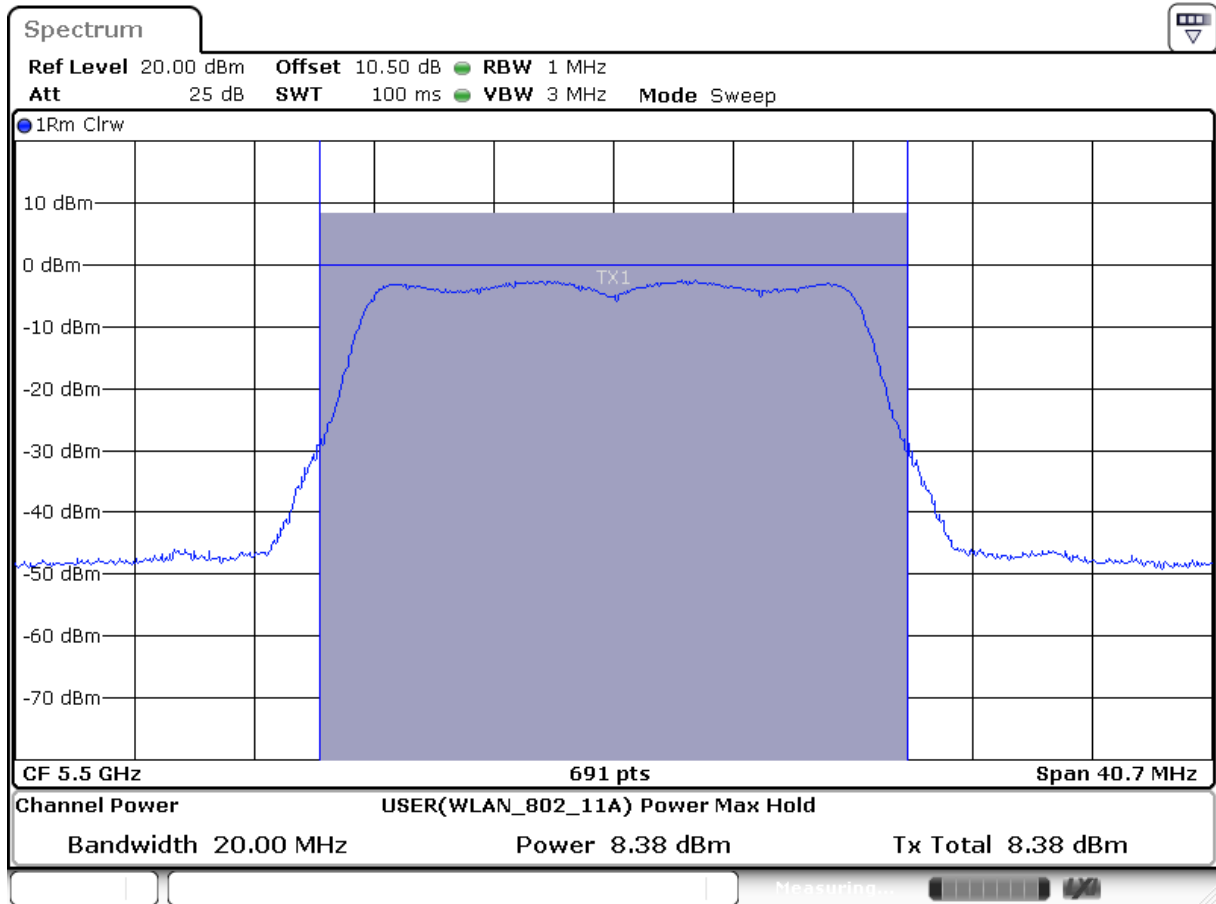
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 100_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

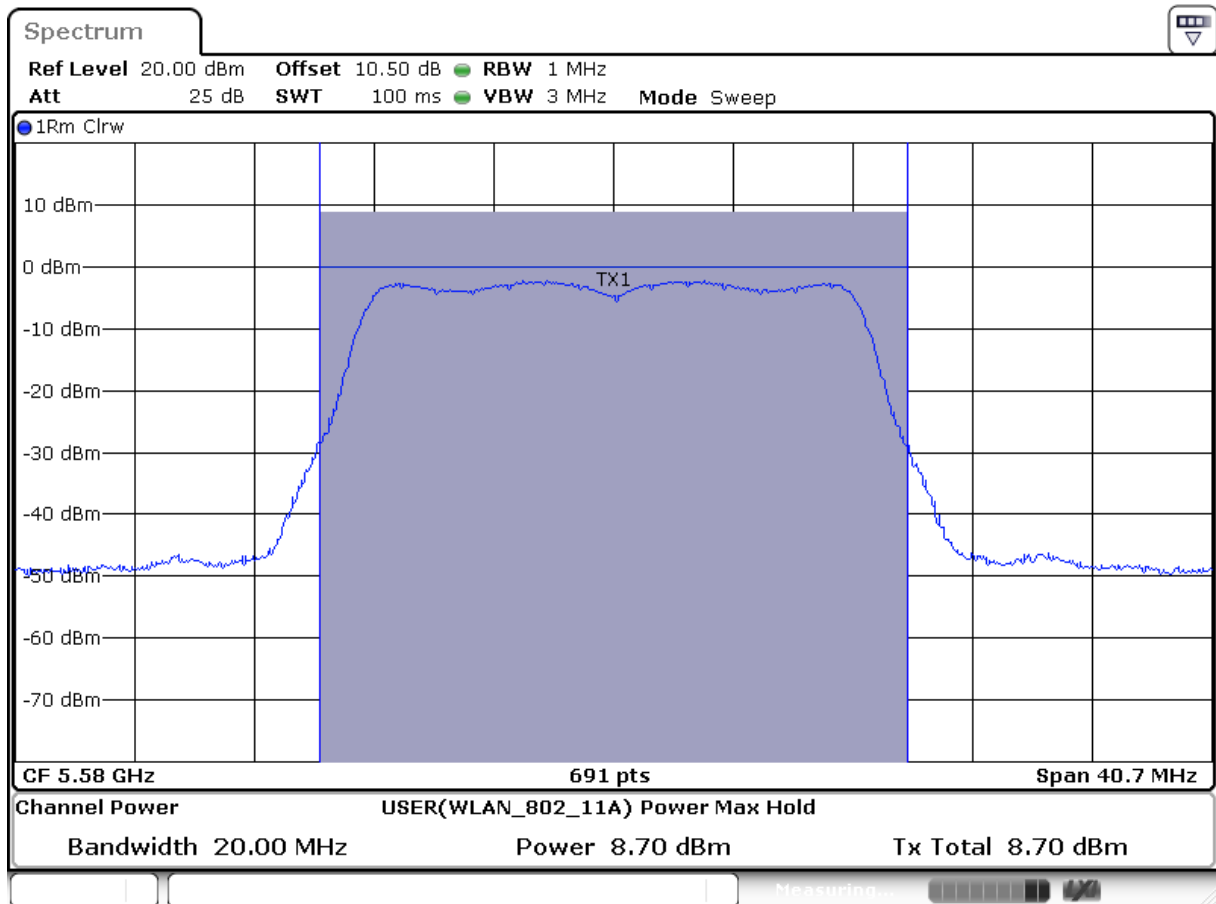
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 116_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6a_ANT1

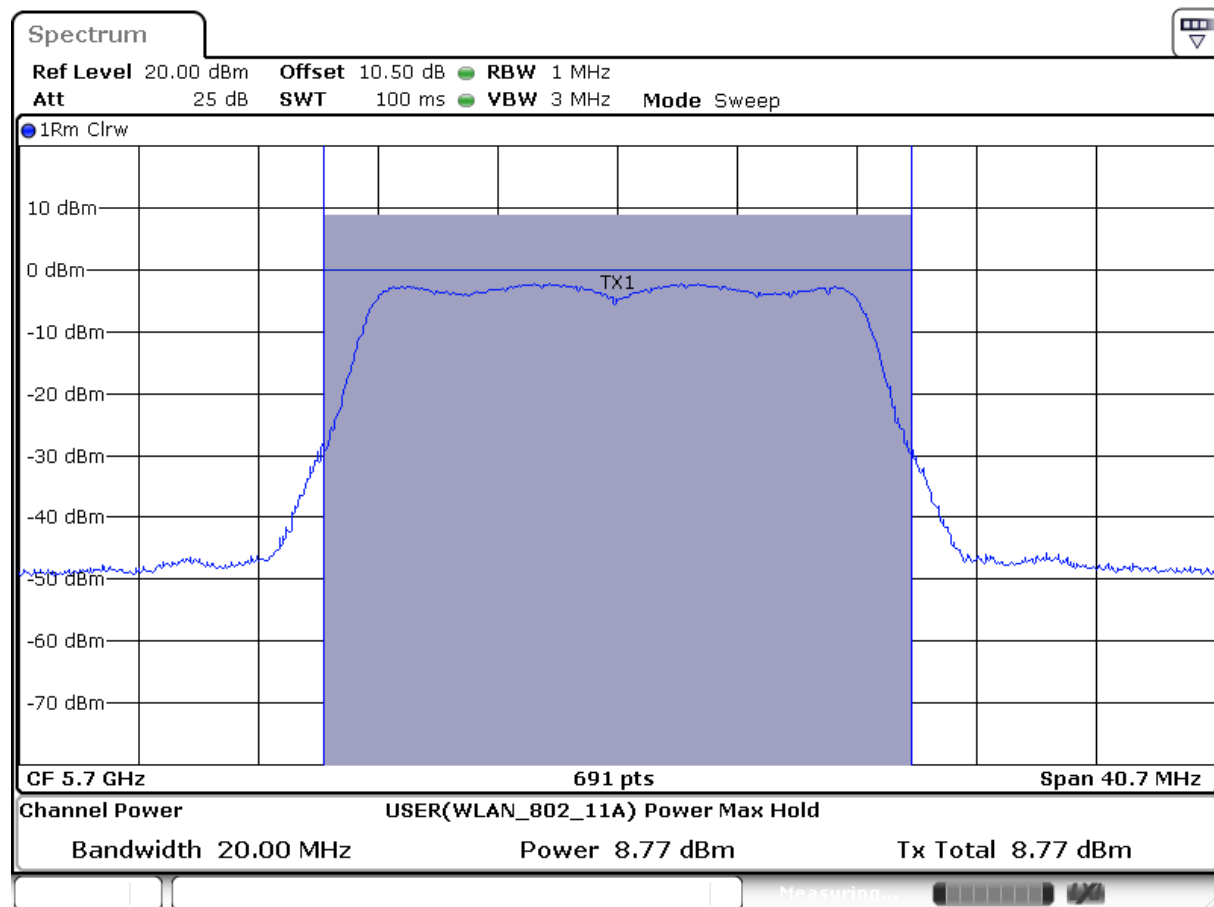
#14

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 140_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.1.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi, NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit Caxulated Limit	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.676	24.15	6.81	24	Page 66
M	24	20.676	24.15	7.13	24	Page 67
H	24	20.594	24.14	7.37	24	Page 68

註：1. 繪圖資料請參考第 66-68 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

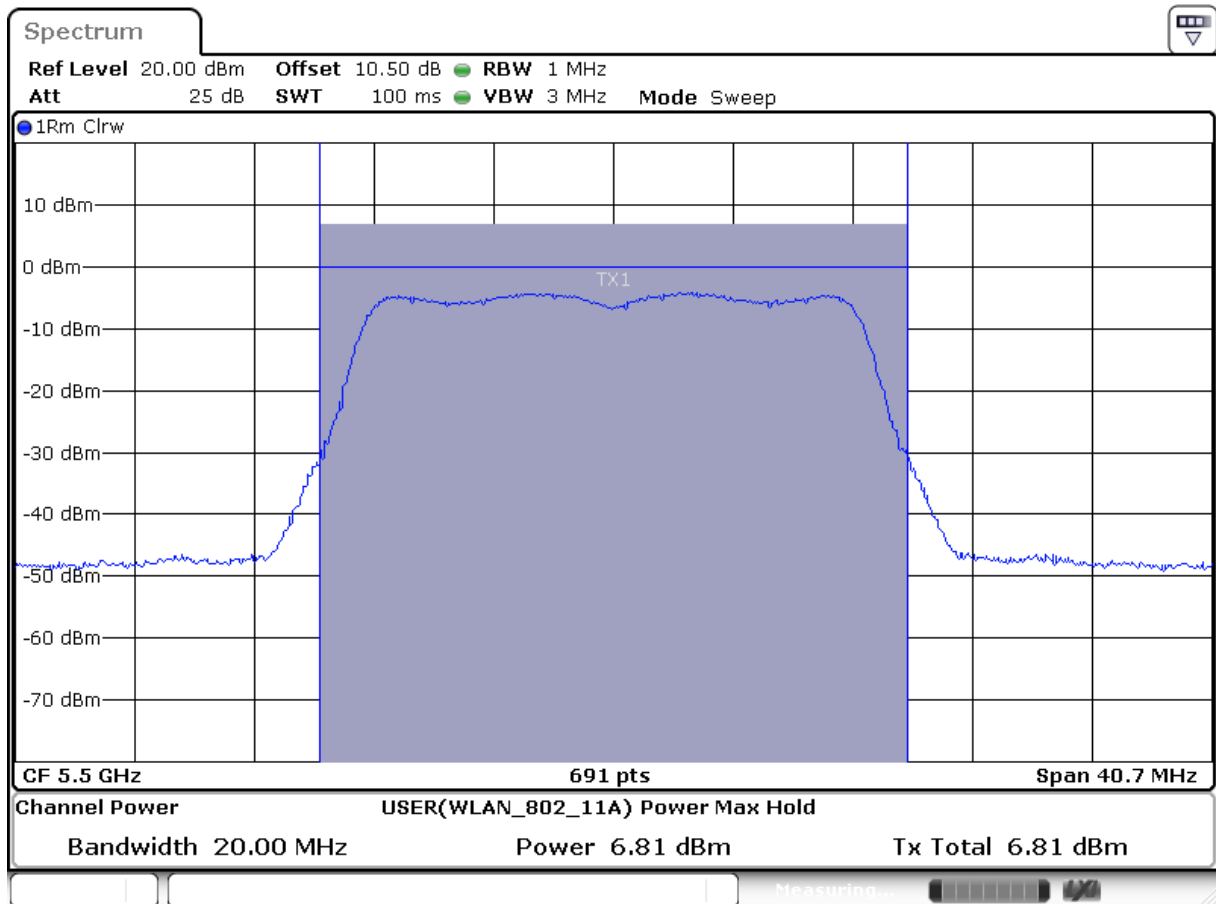
File: 20-10-MAS-019_5-6a_ANT2
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 100_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

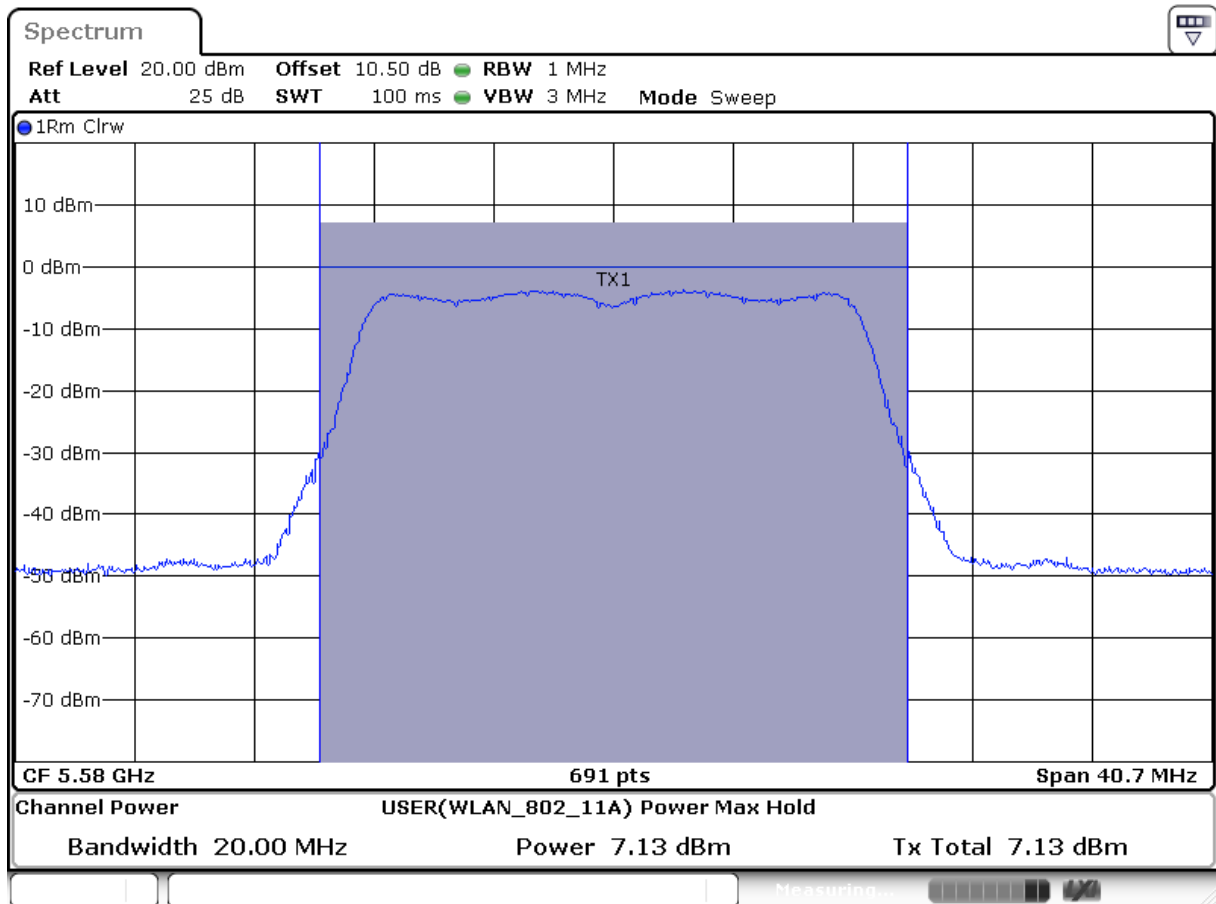
File: 20-10-MAS-019_5-6a_ANT2
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 116_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

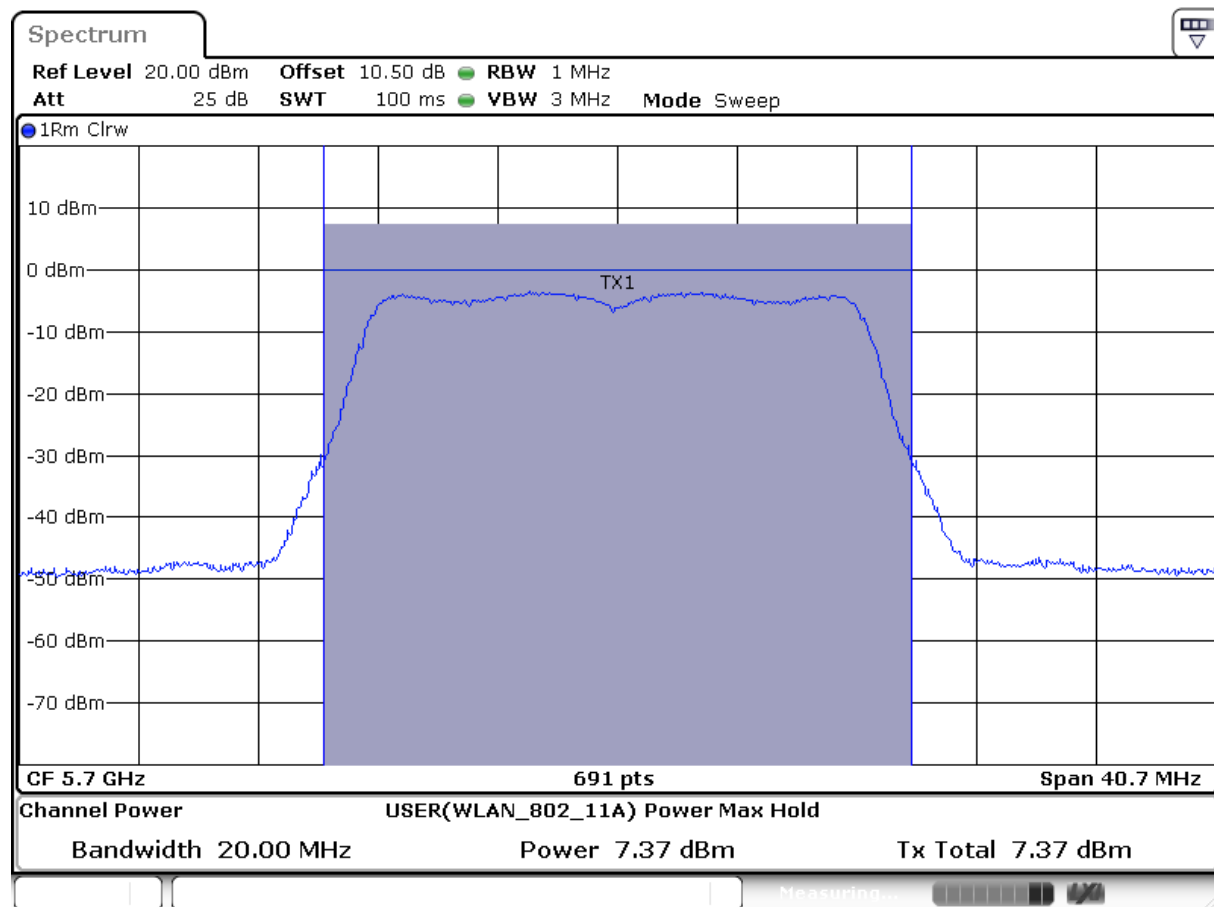
File: 20-10-MAS-019_5-6a_ANT2
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11a_Channel 140_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.2 調變技術:IEEE 802.11n HT20

7.4.2.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.838	24.19	8.46	24	Page 70
M	24	20.838	24.19	8.68	24	Page 71
H	24	20.838	24.19	8.78	24	Page 72

註：1. 繪圖資料請參考第 70-72 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

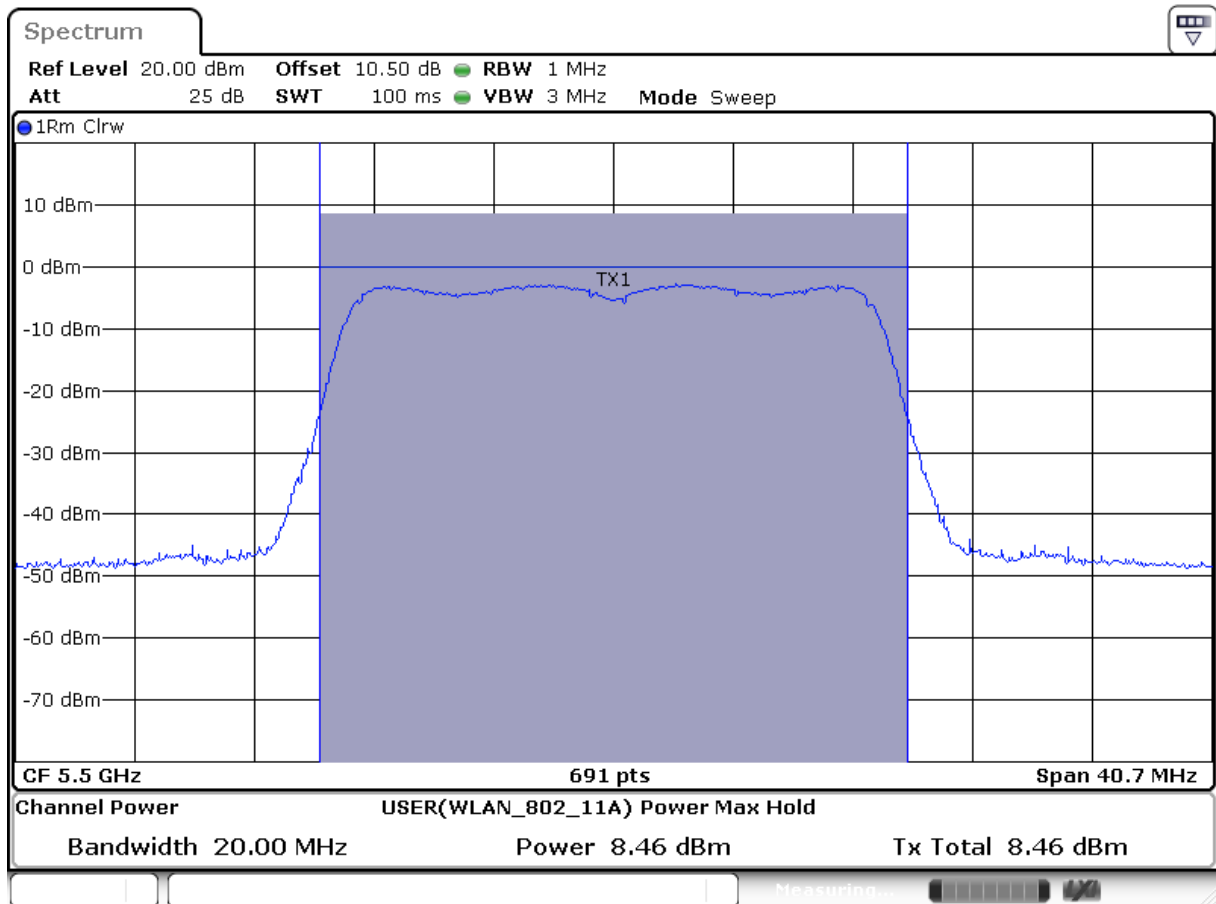
File: 20-10-MAS-019_5-6n20_ANT1
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n20_Channel 100_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6n20_ANT1

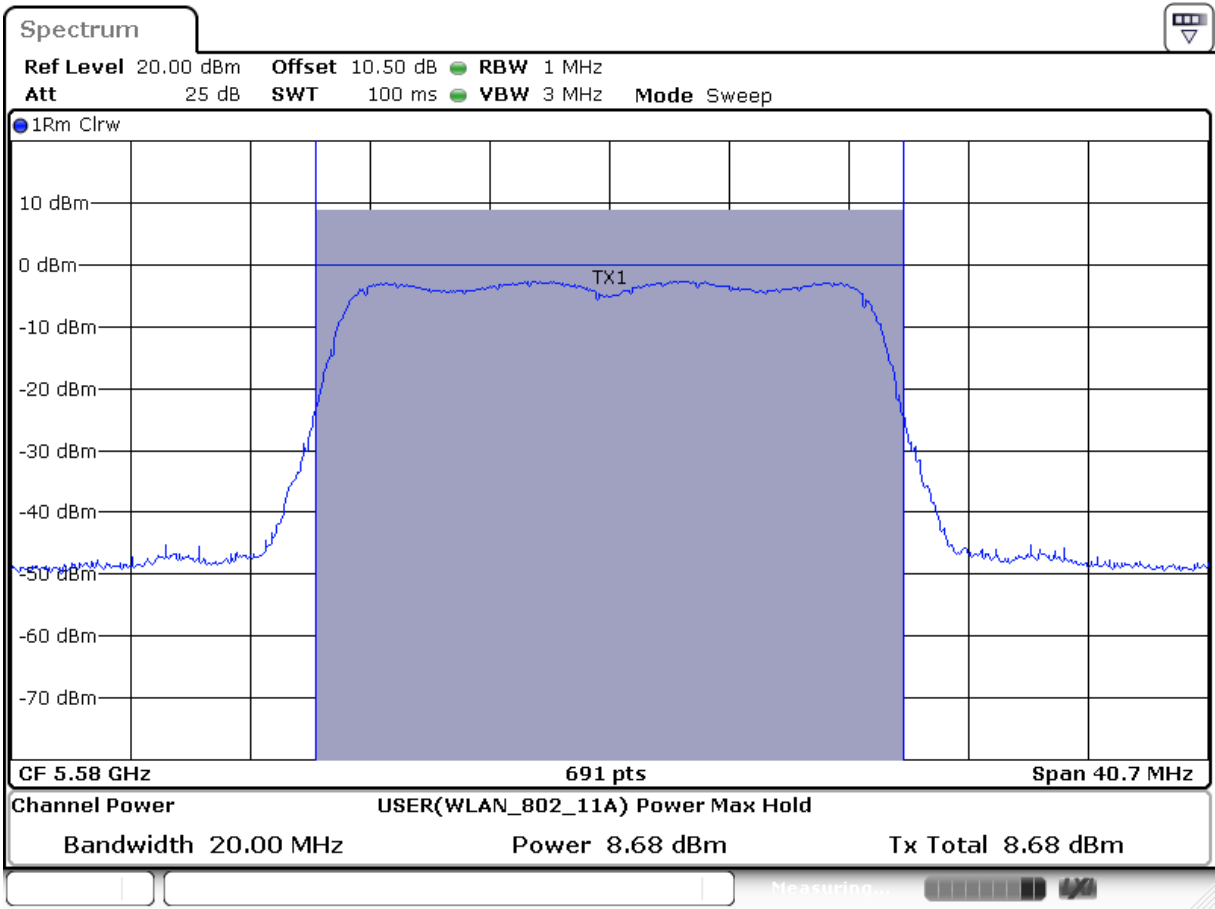
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11n20_Channel 116_Output power	

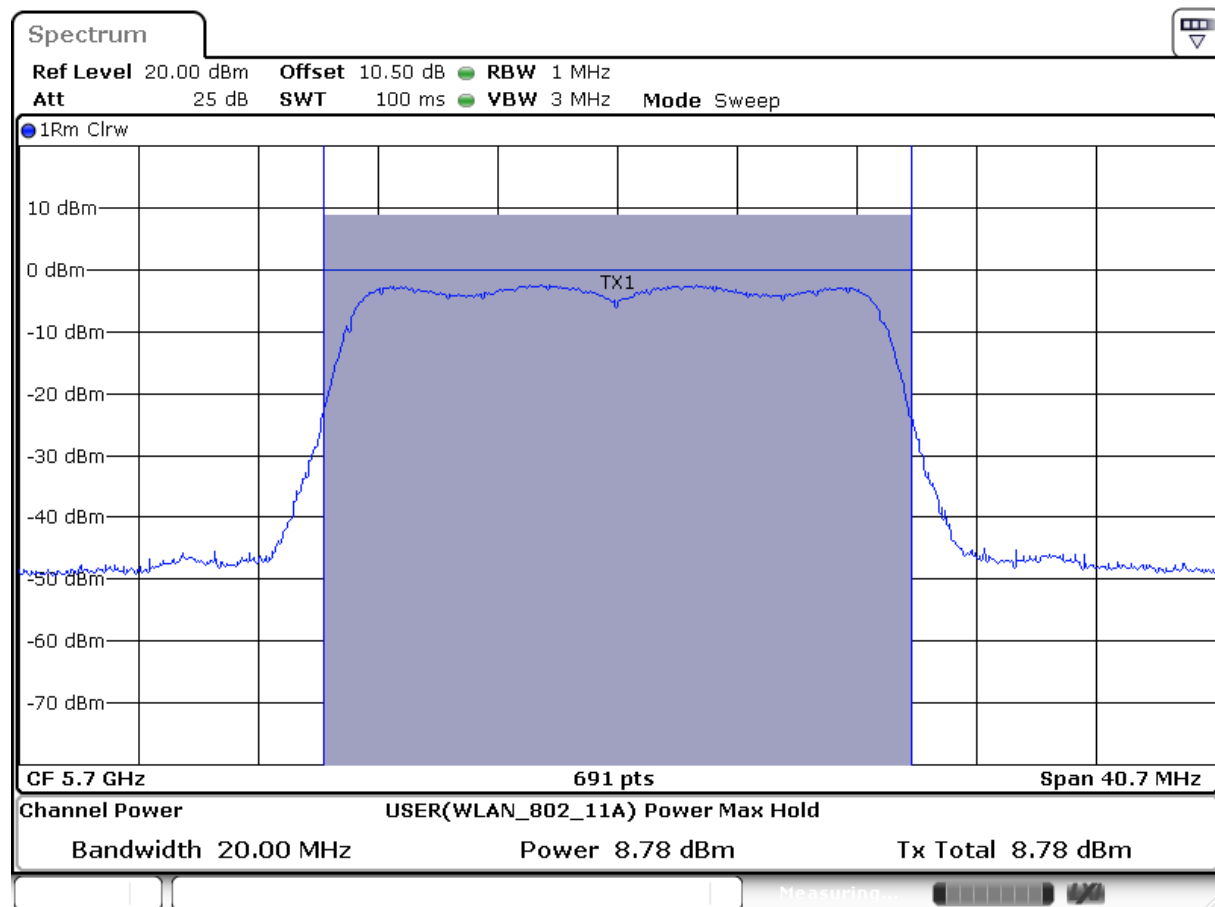
File: 20-10-MAS-019_5-6n20_ANT1
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n20_Channel 140_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.2.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.838	24.19	6.68	24	Page 74
M	24	20.920	24.21	7.03	24	Page 75
H	24	20.838	24.19	7.30	24	Page 76

註：1. 繪圖資料請參考第 74-76 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6n20_ANT2

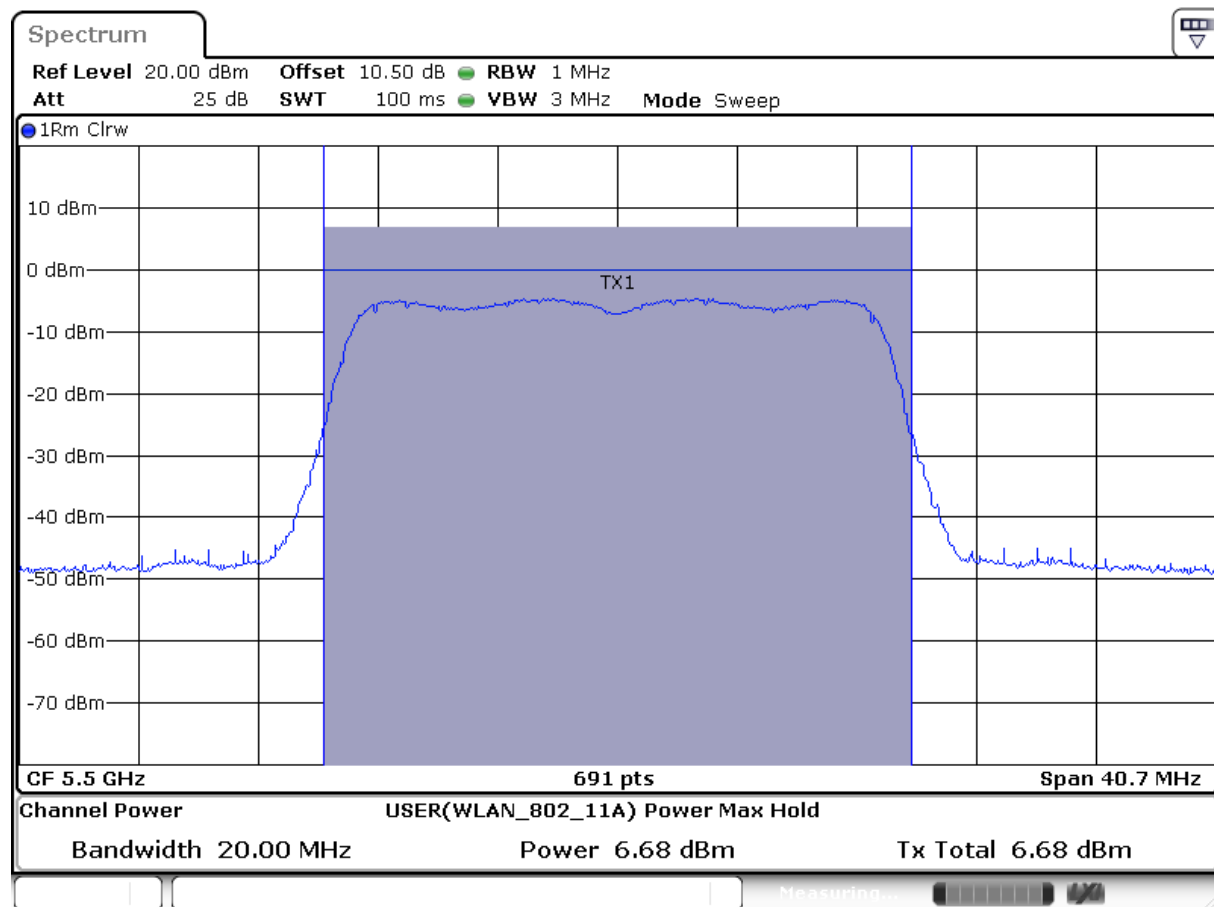
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n20_Channel 100_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

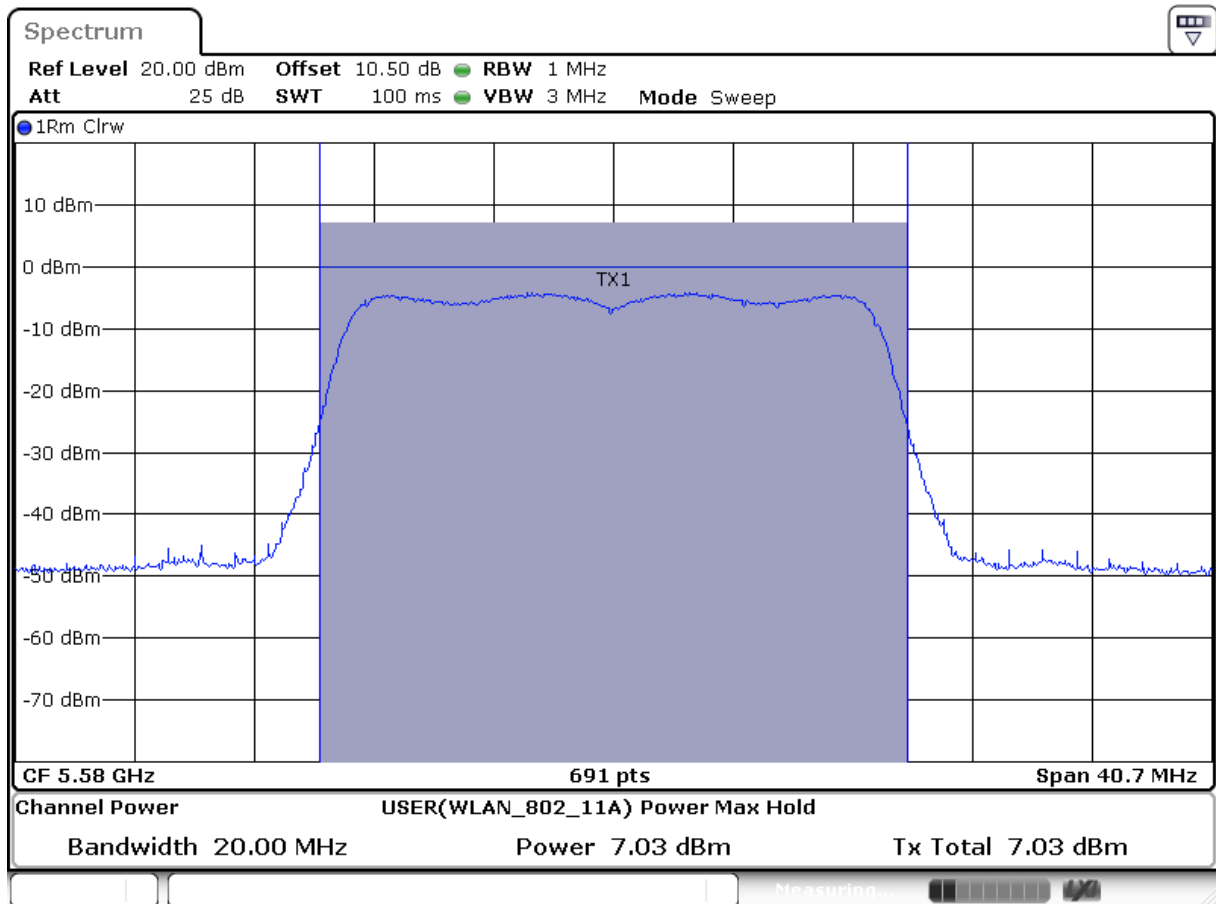
File: 20-10-MAS-019_5-6n20_ANT2
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n20_Channel 116_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

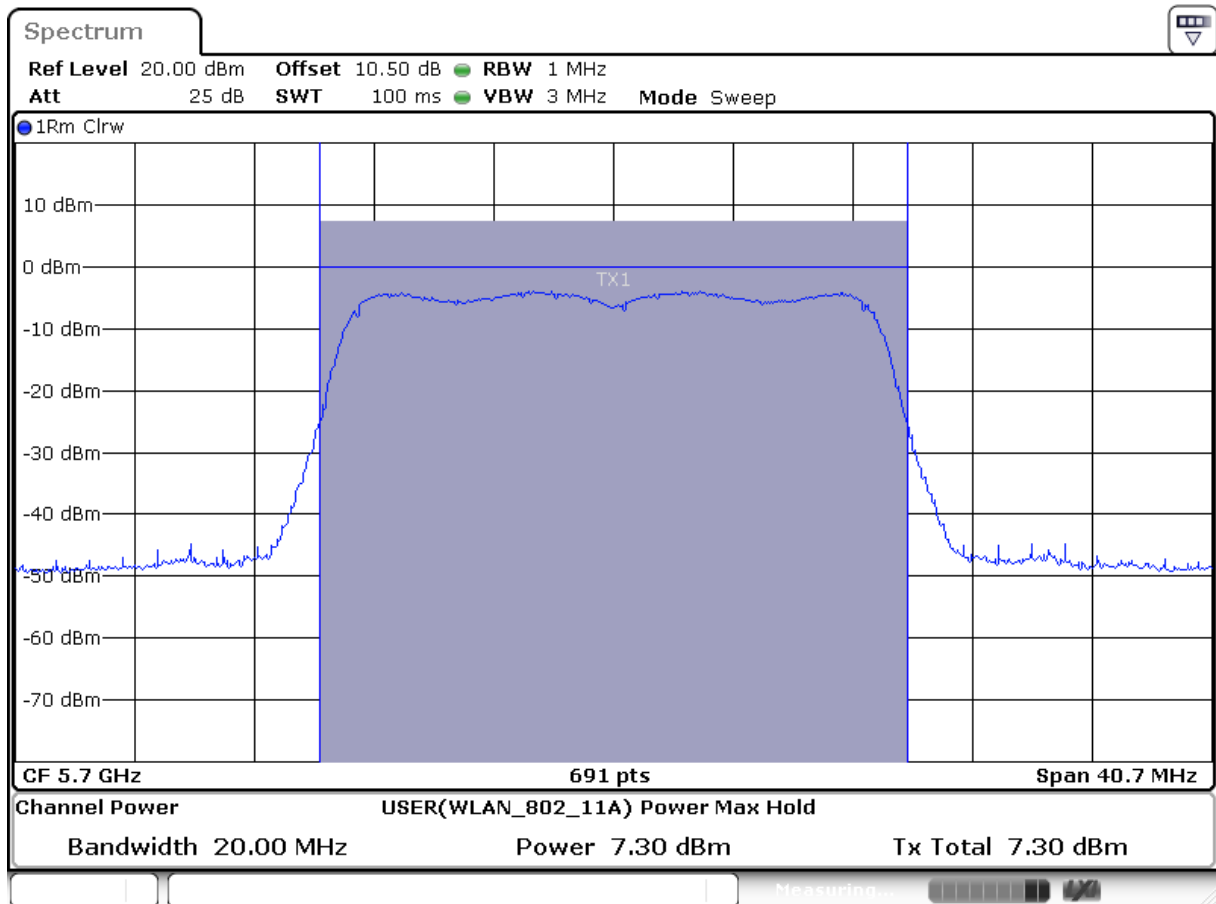
File: 20-10-MAS-019_5-6n20_ANT2
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n20_Channel 140_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.2.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi, NCC Limit 如下表所示:

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.46	6.68	10.67	23.36	-
M	8.68	7.03	10.94	23.36	-
H	8.78	7.30	11.11	23.36	-

註:

1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 250mW=24dBm
3. Caxulated Limit = 11dBm + 10 log (26dB BW)
4. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm
5. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.3 調變技術:IEEE 802.11n HT40

7.4.3.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	41.463	27.16	8.53	24.00	Page 79
M	24	41.463	27.18	8.87	24.00	Page 80
H	24	41.463	27.18	9.07	24.00	Page 81

註：1. 繪圖資料請參考第 79-81 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

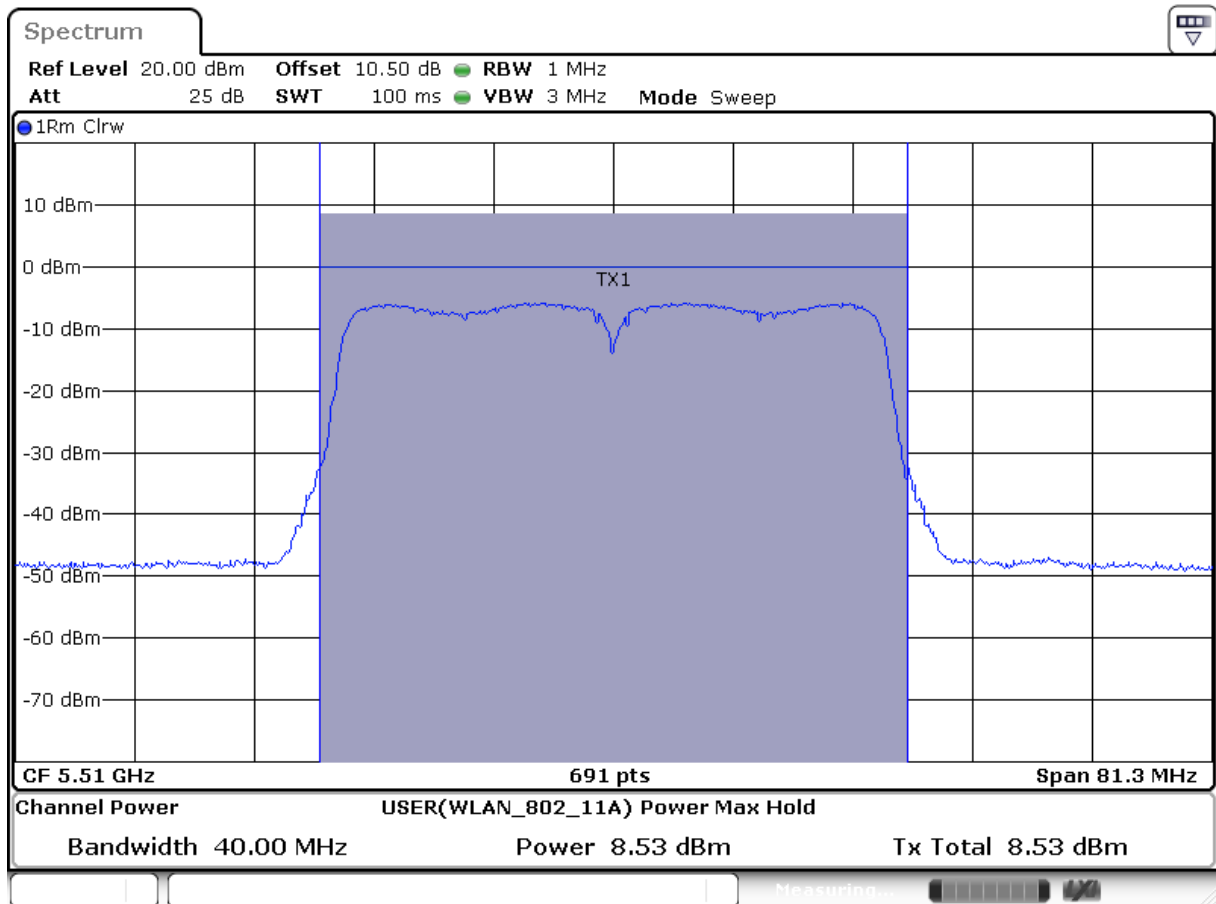
File: 20-10-MAS-019_5-6n40_ANT1
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n40_Channel 102_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6n40_ANT1

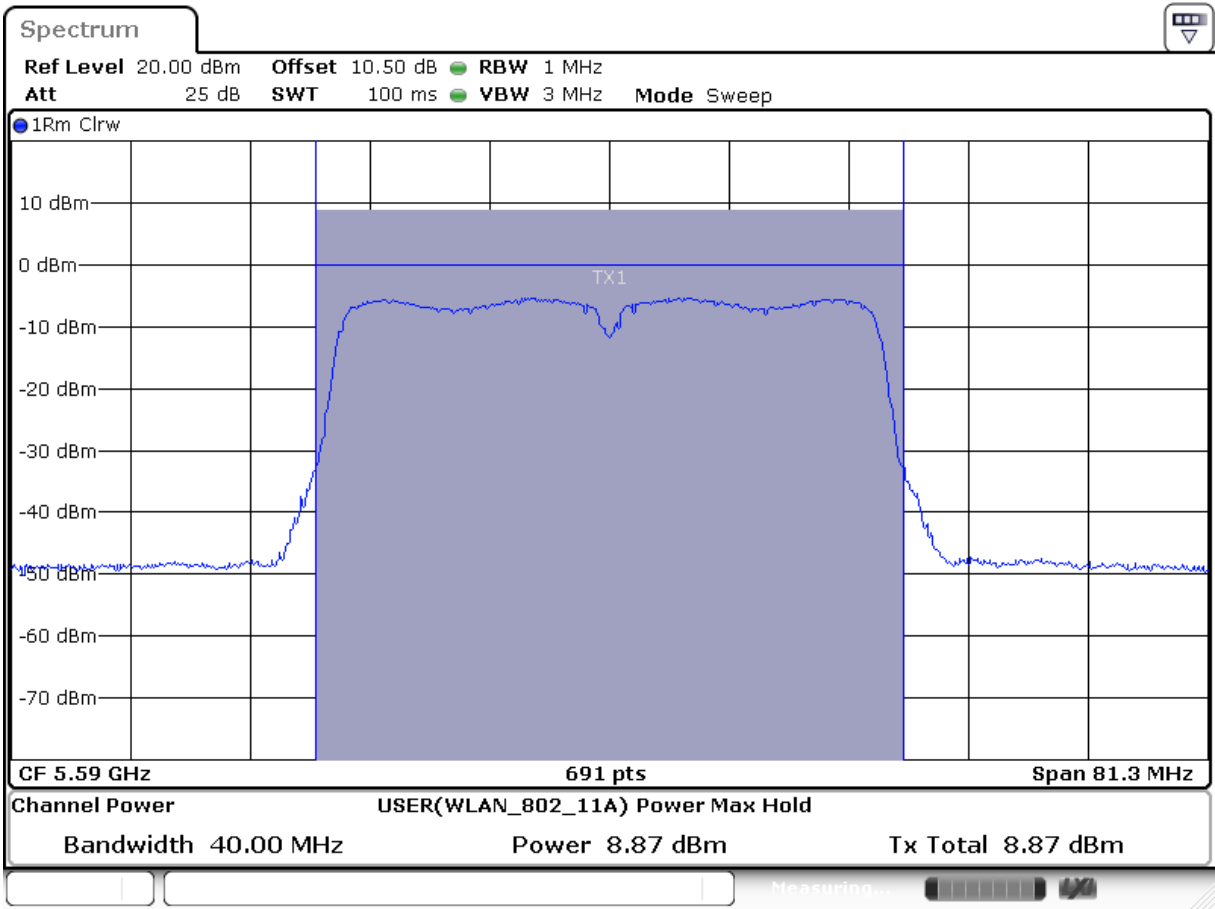
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11n40_Channel 118_Output power	

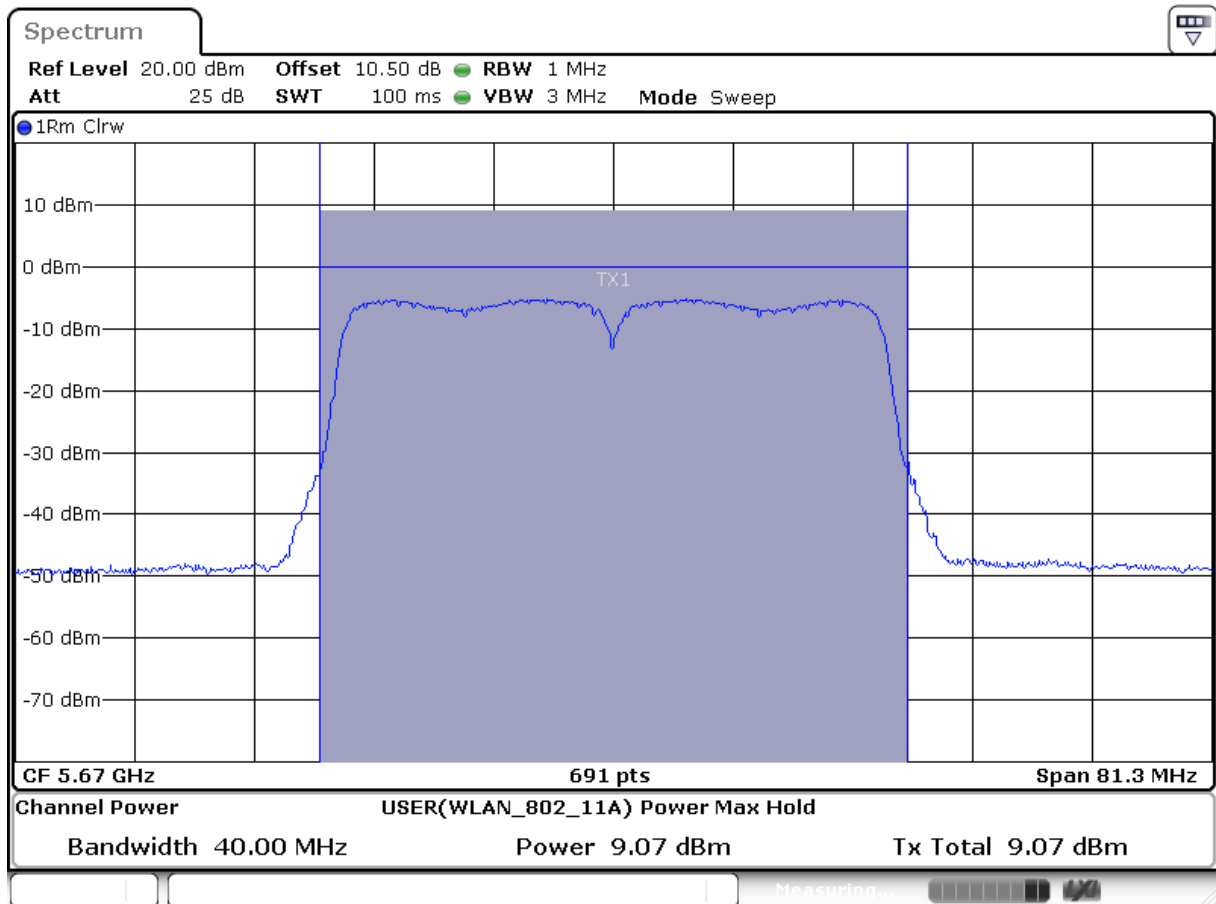
File: 20-10-MAS-019_5-6n40_ANT1
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n40_Channel 134_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.3.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixed limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	40.975	27.13	6.71	24	Page 83
M	24	40.975	27.13	7.04	24	Page 84
H	24	41.138	27.14	7.34	24	Page 85

註：1. 繪圖資料請參考第 83-85 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

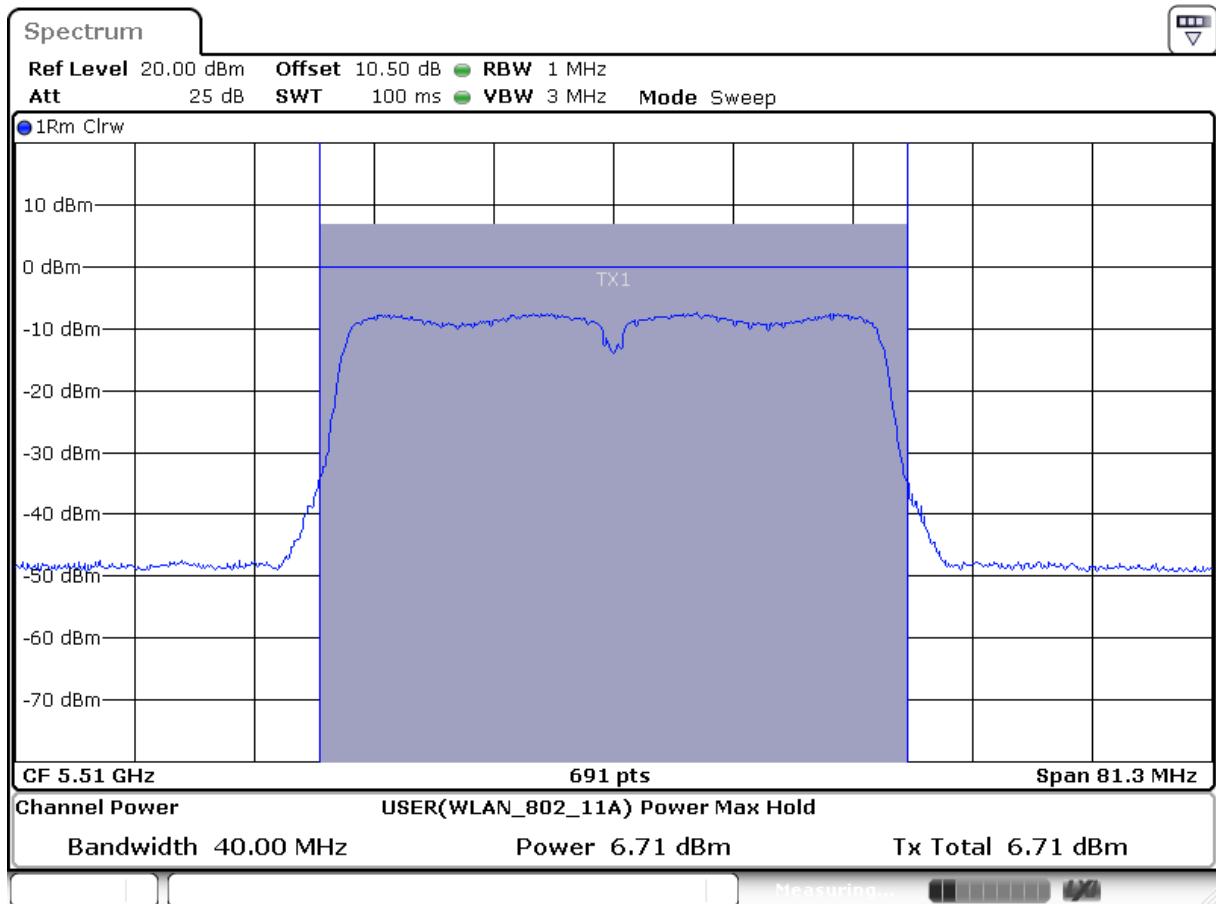
File: 20-10-MAS-019_5-6n40_ANT2
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n40_Channel 102_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6n40_ANT2

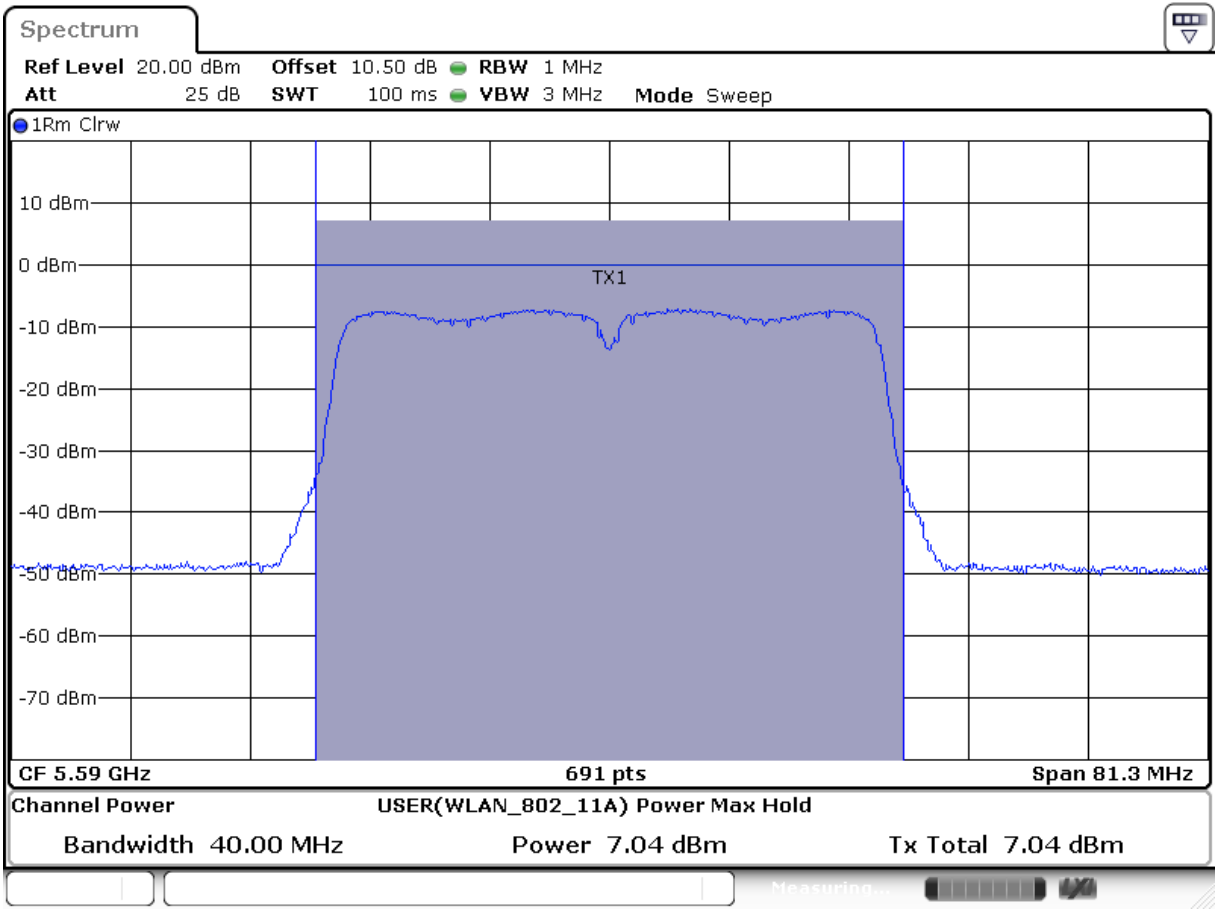
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11n40_Channel 118_Output power	

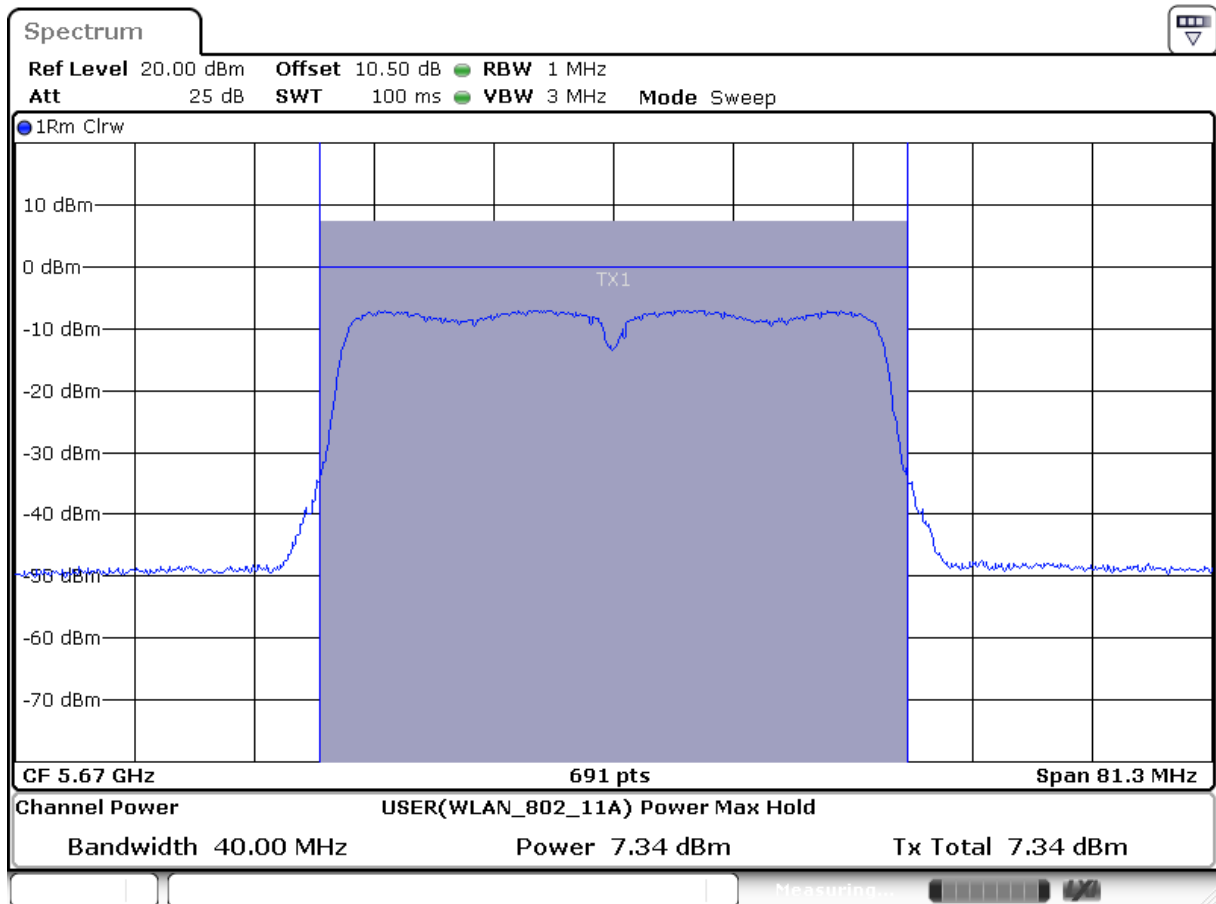
File: 20-10-MAS-019_5-6n40_ANT2
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11n40_Channel 134_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.3.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi，NCC Limit 如下表所示：

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.53	6.71	10.72	23.36	-
M	8.87	7.04	11.06	23.36	-
H	9.07	7.34	11.30	23.36	-

註：

1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 250mW=24dBm
3. Caxulated Limit = 11dBm + 10 log (26dB BW)
4. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm
5. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.4 調變技術: IEEE 802.11ac (20MHz)

7.4.4.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.838	24.19	8.51	24.00	Page 88
M	24	20.838	24.19	8.78	24.00	Page 89
H	24	20.838	24.19	8.88	24.00	Page 90

註：1. 繪圖資料請參考第 88-90 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm

6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)

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

File: 20-10-MAS-019_5-6ac20_ANT1

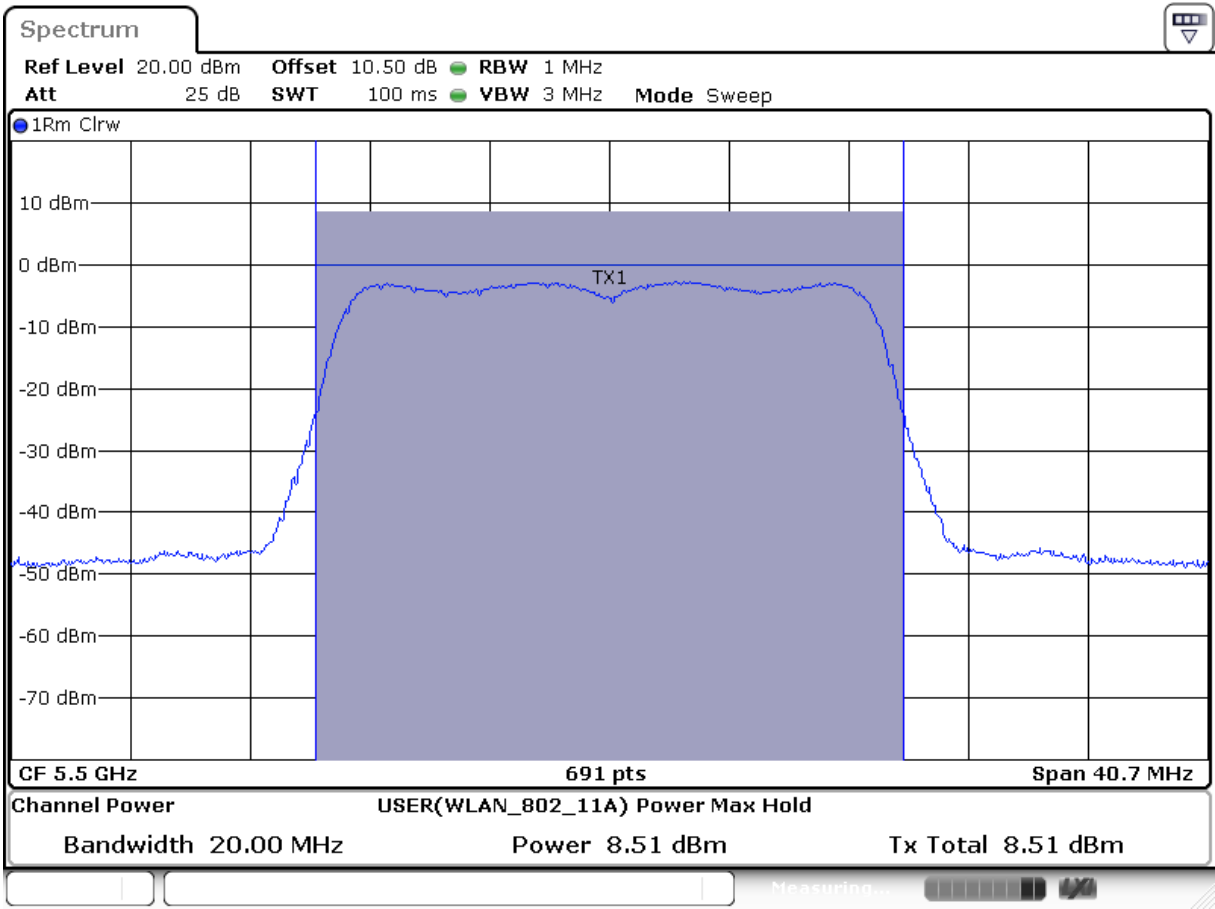
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ac20_Channel 100_Output power	

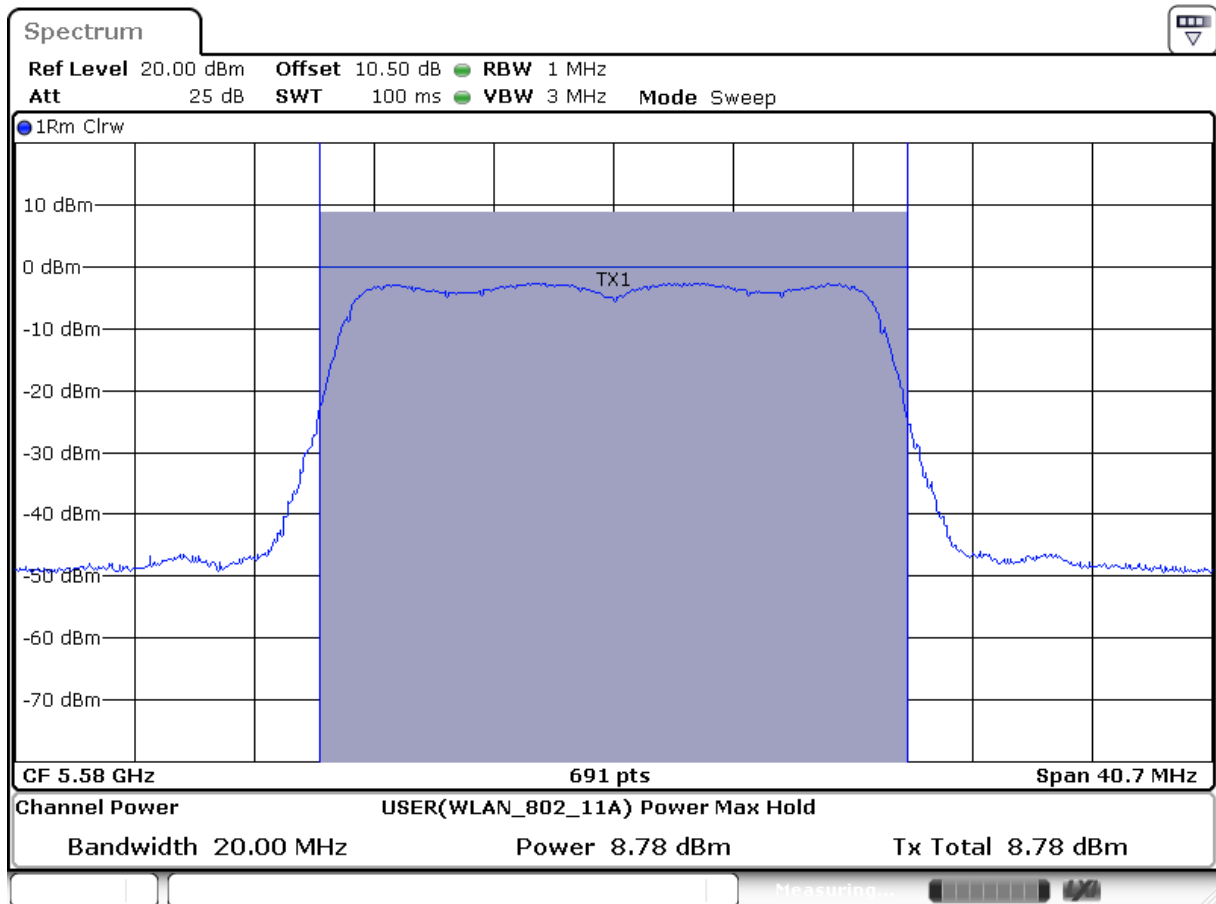
File: 20-10-MAS-019_5-6ac20_ANT1
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac20_Channel 116_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ac20_ANT1

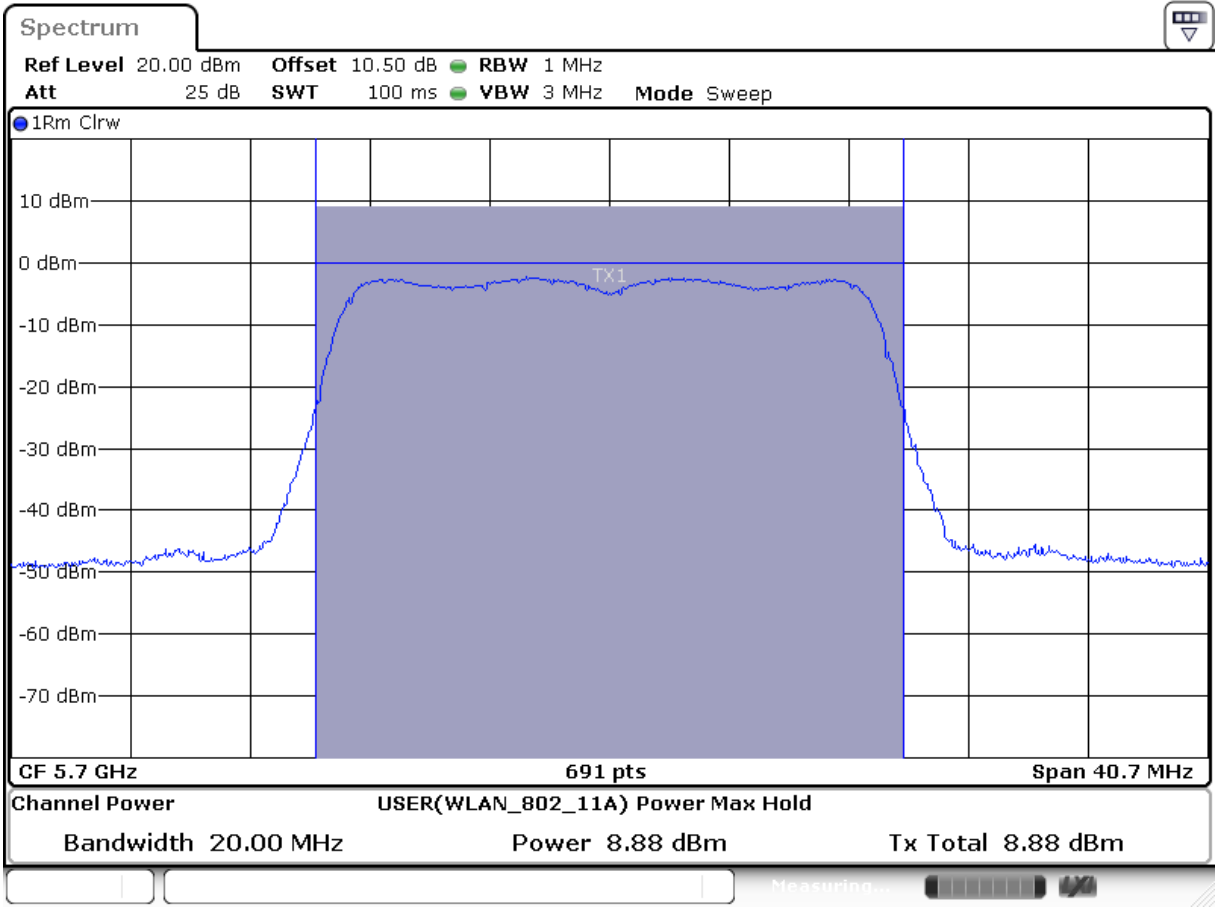
#14

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ac20_Channel 140_Output power	

7.4.4.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.838	24.19	6.71	24.00	Page 92
M	24	20.920	24.21	7.01	24.00	Page 93
H	24	20.838	24.19	7.33	24.00	Page 94

註：1. 繪圖資料請參考第 92-94 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. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6ac20_ANT2

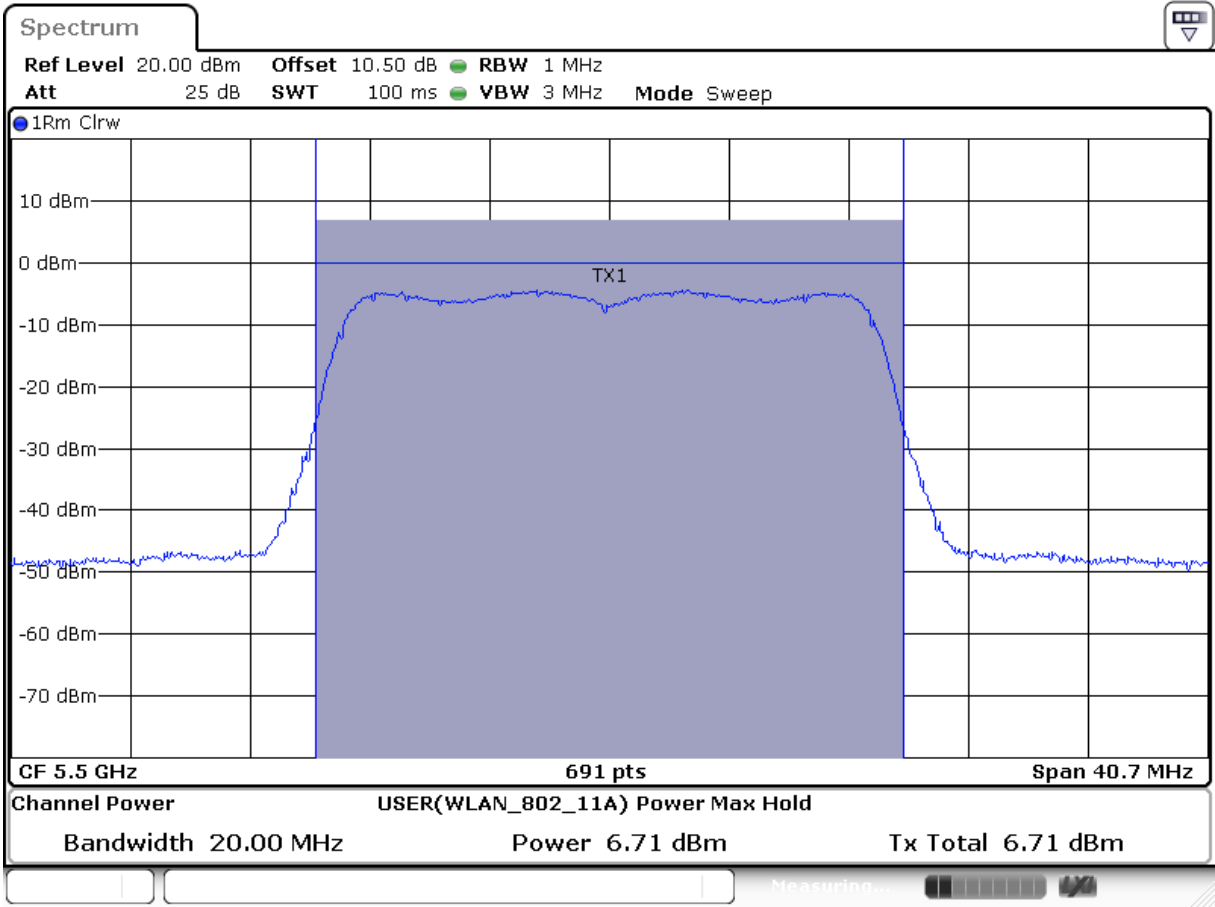
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ac20_Channel 100_Output power	

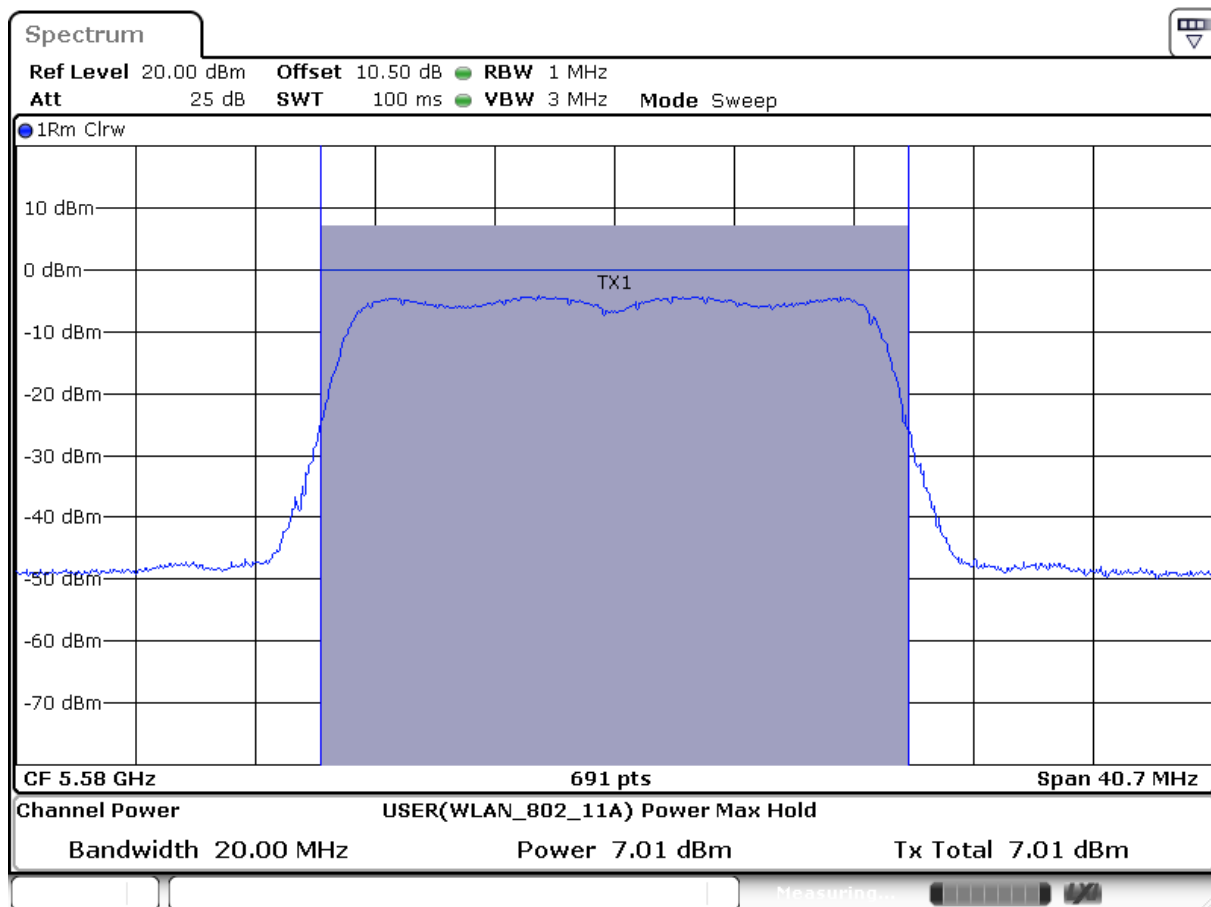
File: 20-10-MAS-019_5-6ac20_ANT2
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac20_Channel 116_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

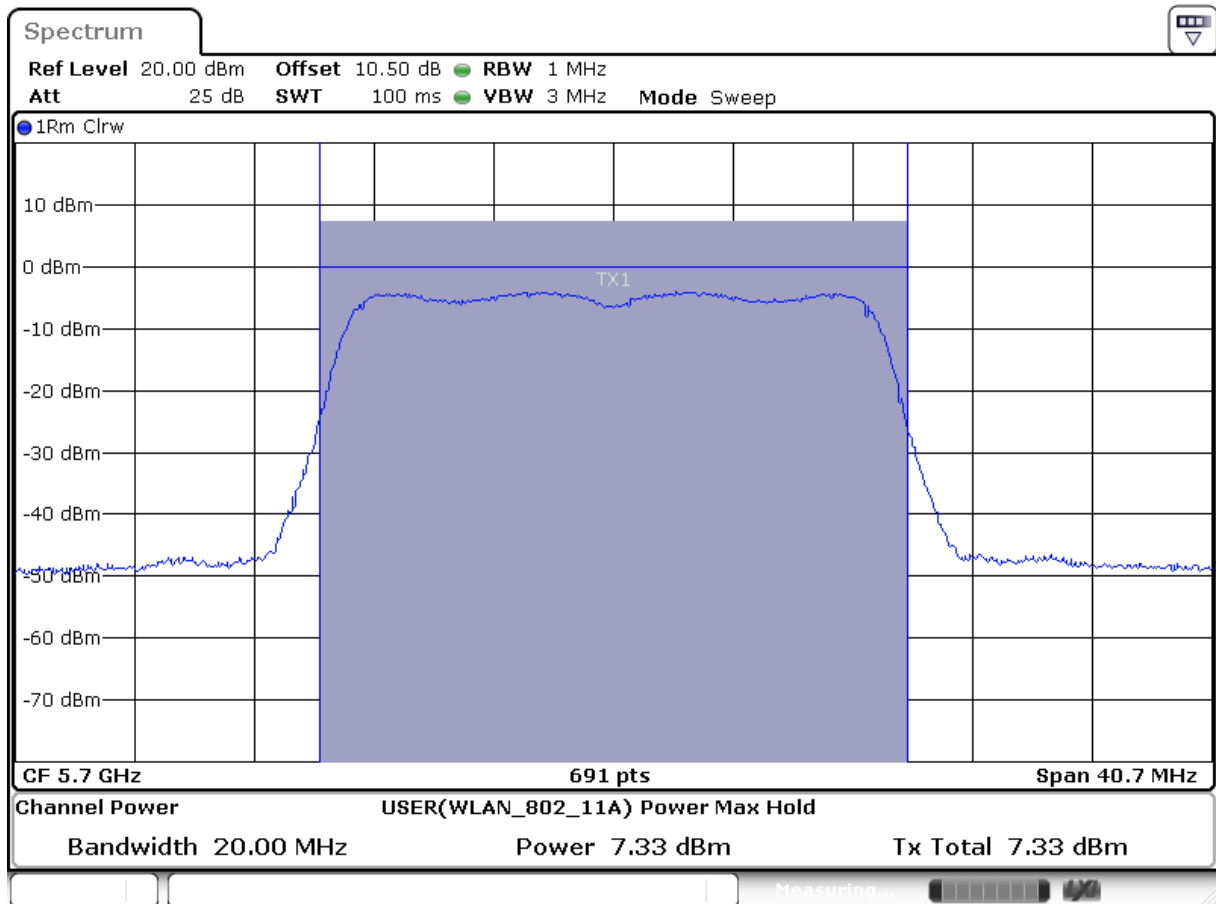
File: 20-10-MAS-019_5-6ac20_ANT2
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac20_Channel 140_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.4.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi，NCC Limit 如下表所示：

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.51	6.71	10.71	23.36	-
M	8.78	7.01	10.99	23.36	-
H	8.88	7.33	11.18	23.36	-

- 註： 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 250mW=24dBm
3. Caxulated Limit = 11dBm + 10 log (26dB BW)
4. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm
5. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.5 調變技術: IEEE 802.11ac (40MHz)

7.4.5.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi , NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	41.300	27.16	8.62	24.00	Page 97
M	24	41.463	27.18	8.85	24.00	Page 98
H	24	41.463	27.18	9.07	24.00	Page 99

註：1. 繪圖資料請參考第 97-99 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. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6ac40_ANT1

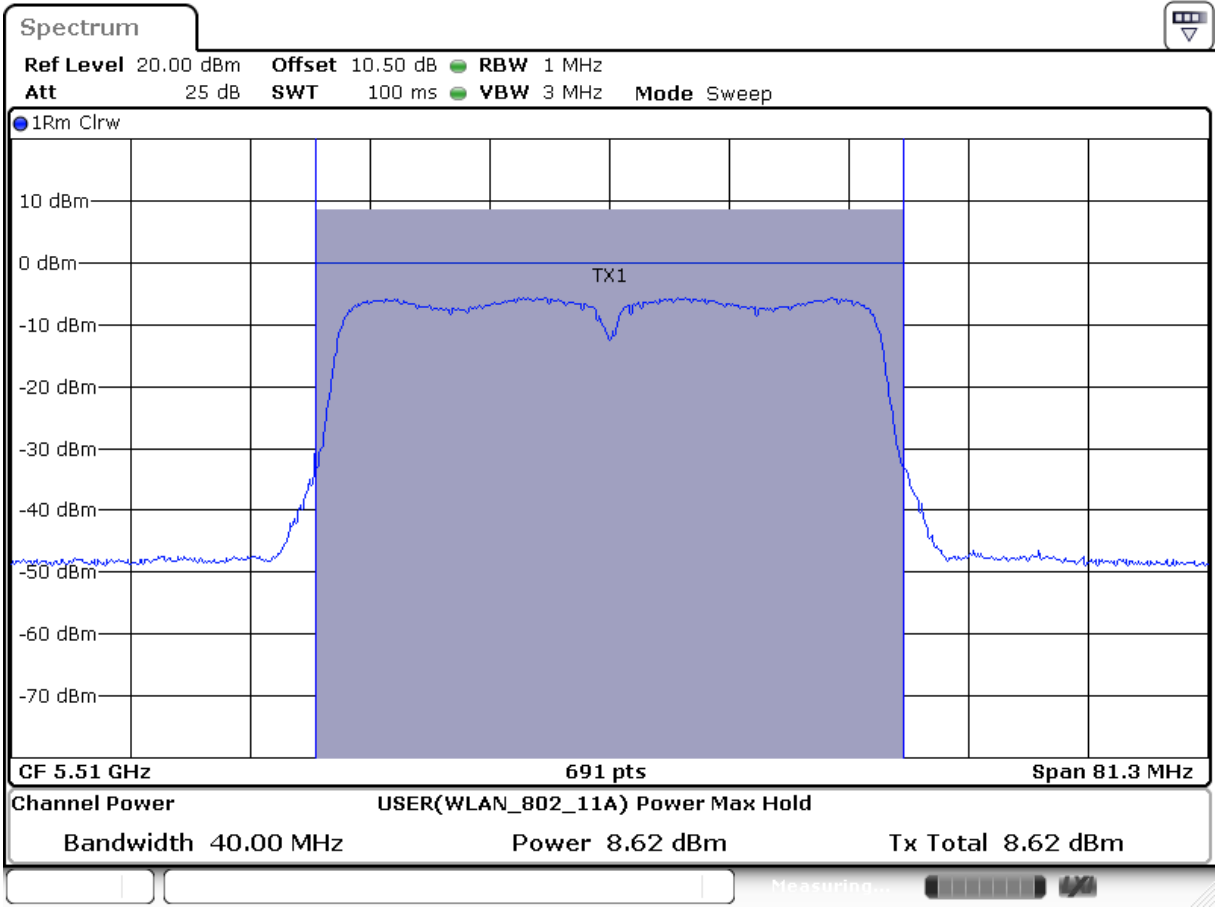
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ac40_Channel 102_Output power	

File: 20-10-MAS-019_5-6ac40_ANT1

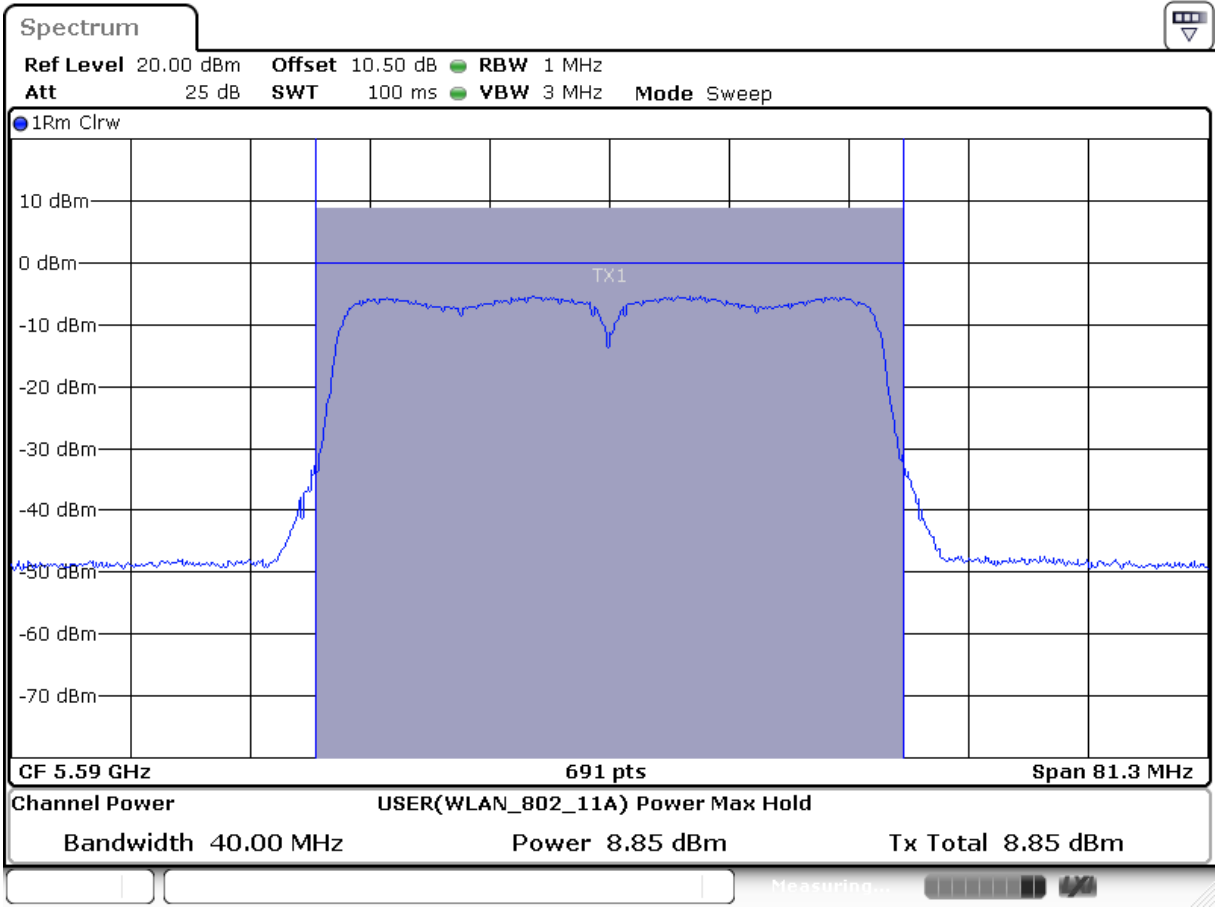
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ac40_Channel 118_Output power	

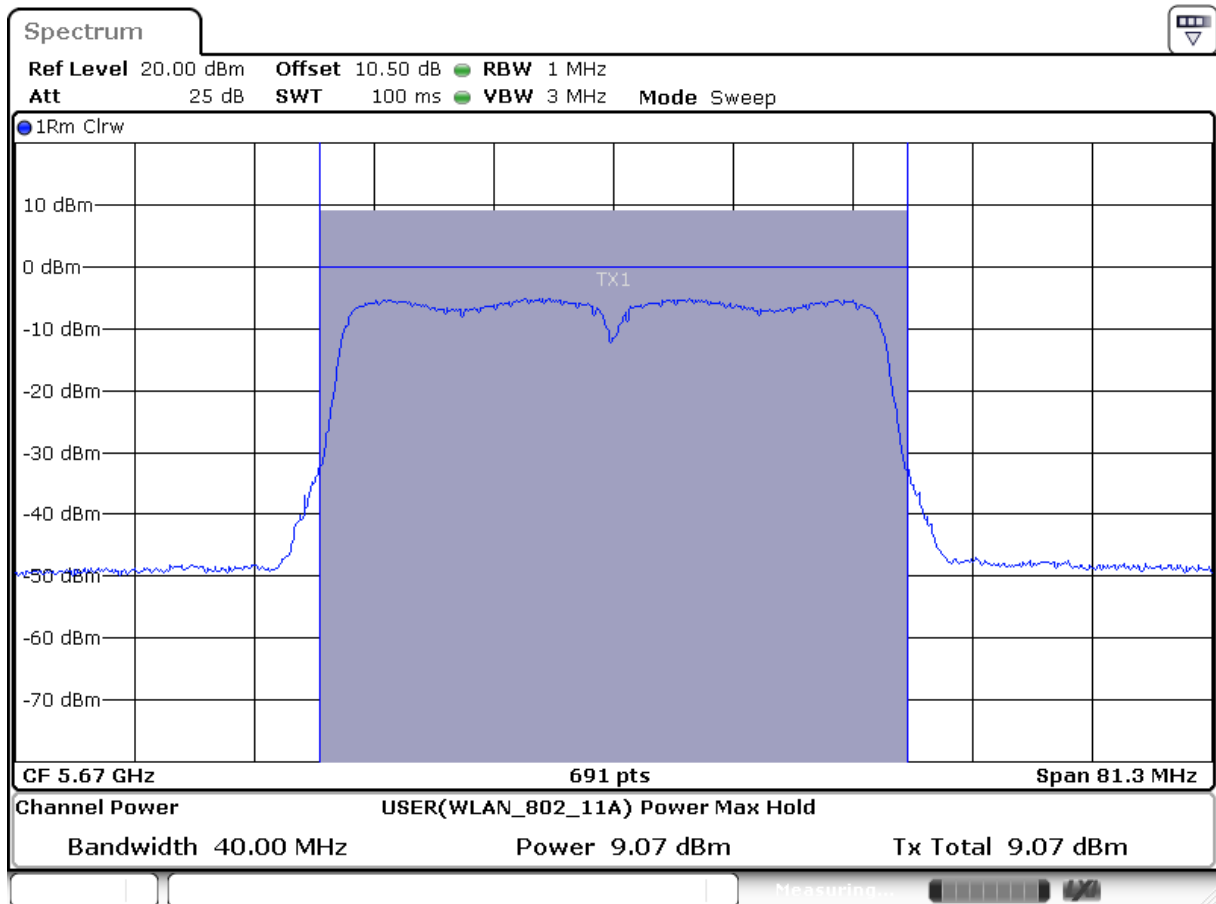
File: 20-10-MAS-019_5-6ac40_ANT1
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac40_Channel 134_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.5.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	40.975	27.13	6.69	24.00	Page 101
M	24	40.975	27.13	7.06	24.00	Page 102
H	24	41.138	27.14	7.31	24.00	Page 103

註：1. 繪圖資料請參考第 101-103 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6ac40_ANT2

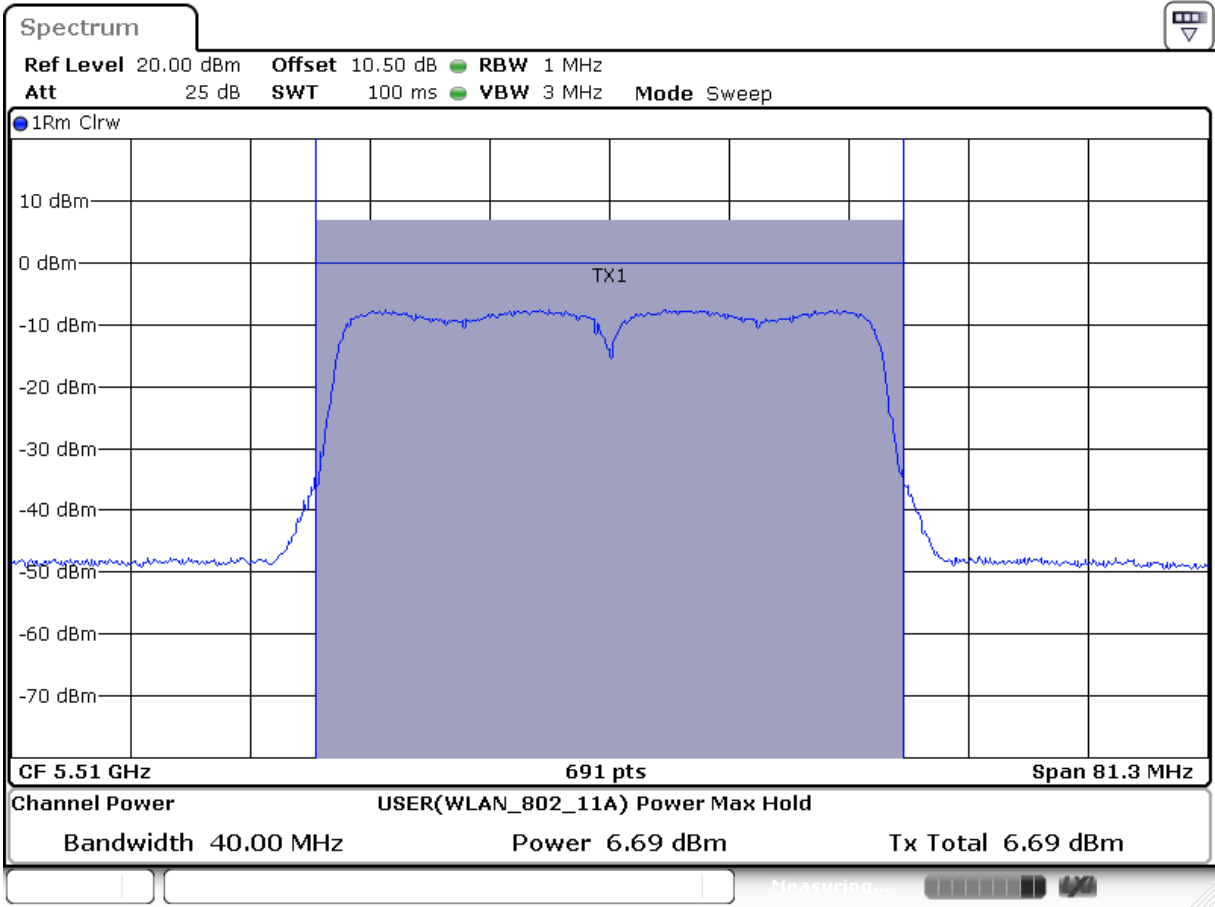
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ac40_Channel 102_Output power	

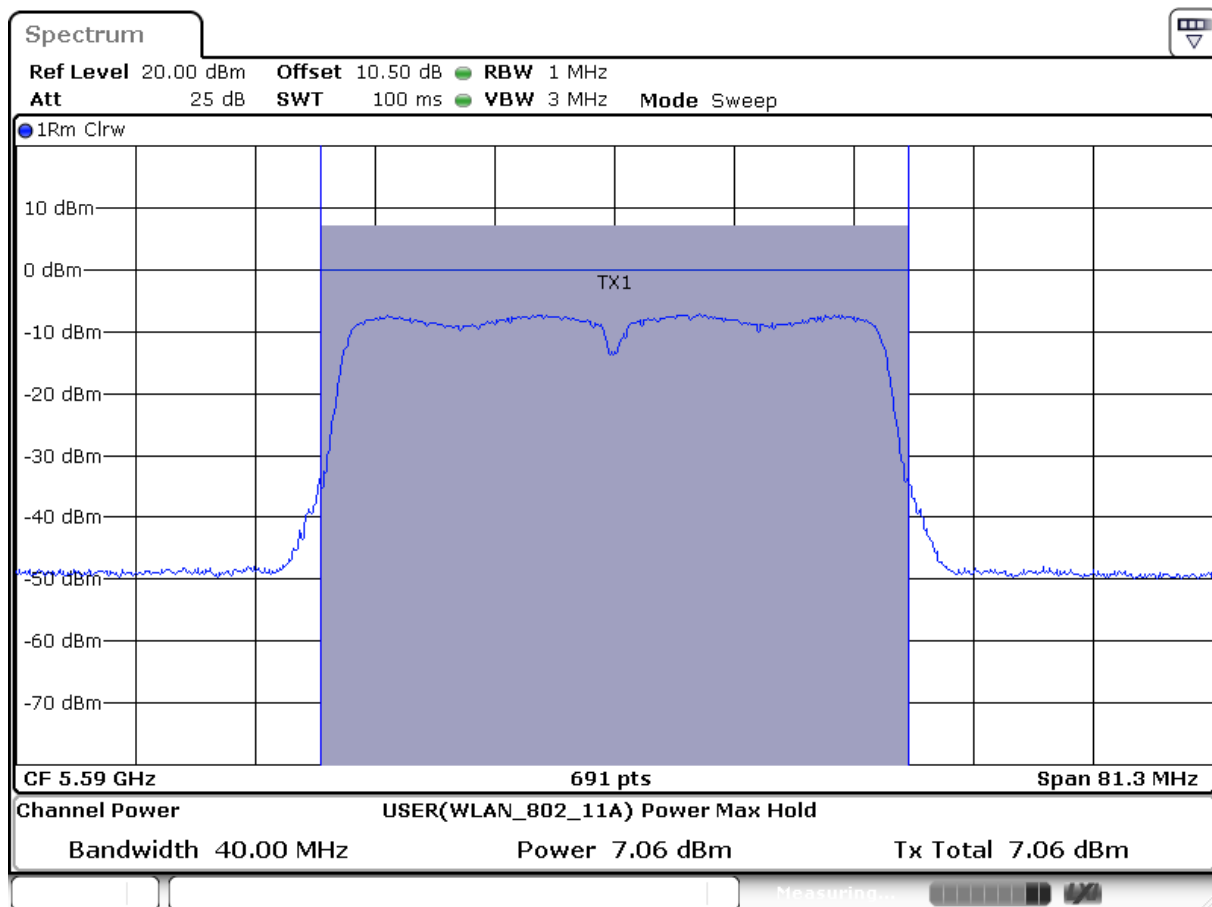
File: 20-10-MAS-019_5-6ac40_ANT2
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac40_Channel 118_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

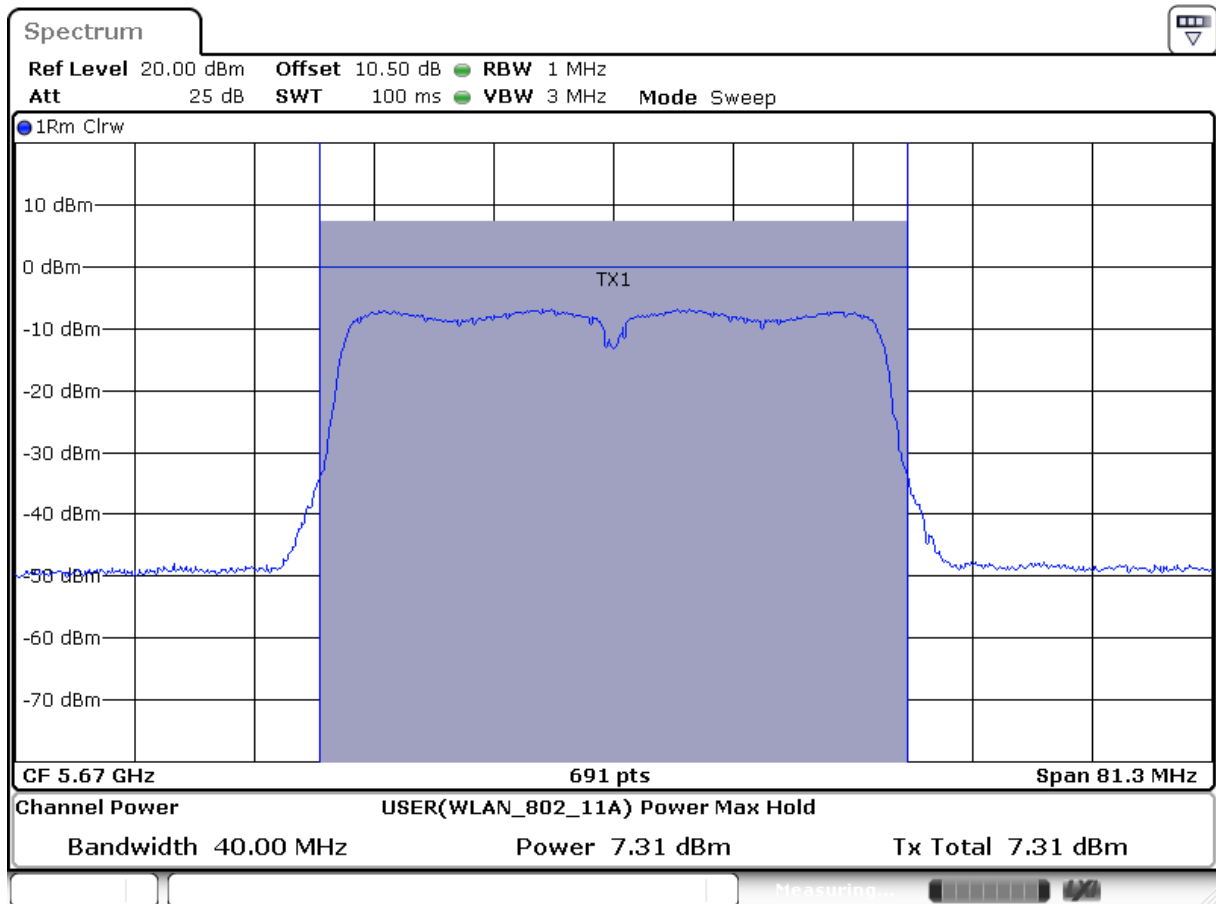
File: 20-10-MAS-019_5-6ac40_ANT2
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac40_Channel 134_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.5.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi, NCC Limit 如下表所示:

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.62	6.69	10.77	23.36	-
M	8.85	7.06	11.06	23.36	-
H	9.07	7.31	11.29	23.36	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 250mW=24dBm
3. Caxulated Limit = 11dBm + 10 log (26dB BW)
4. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm
5. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.6 調變技術: IEEE 802.11ac (80MHz)

7.4.6.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	81.500	30.11	8.79	24.00	Page 106
H	24	81.826	30.13	9.11	24.00	Page 107

註：1. 繪圖資料請參考第 106-107 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

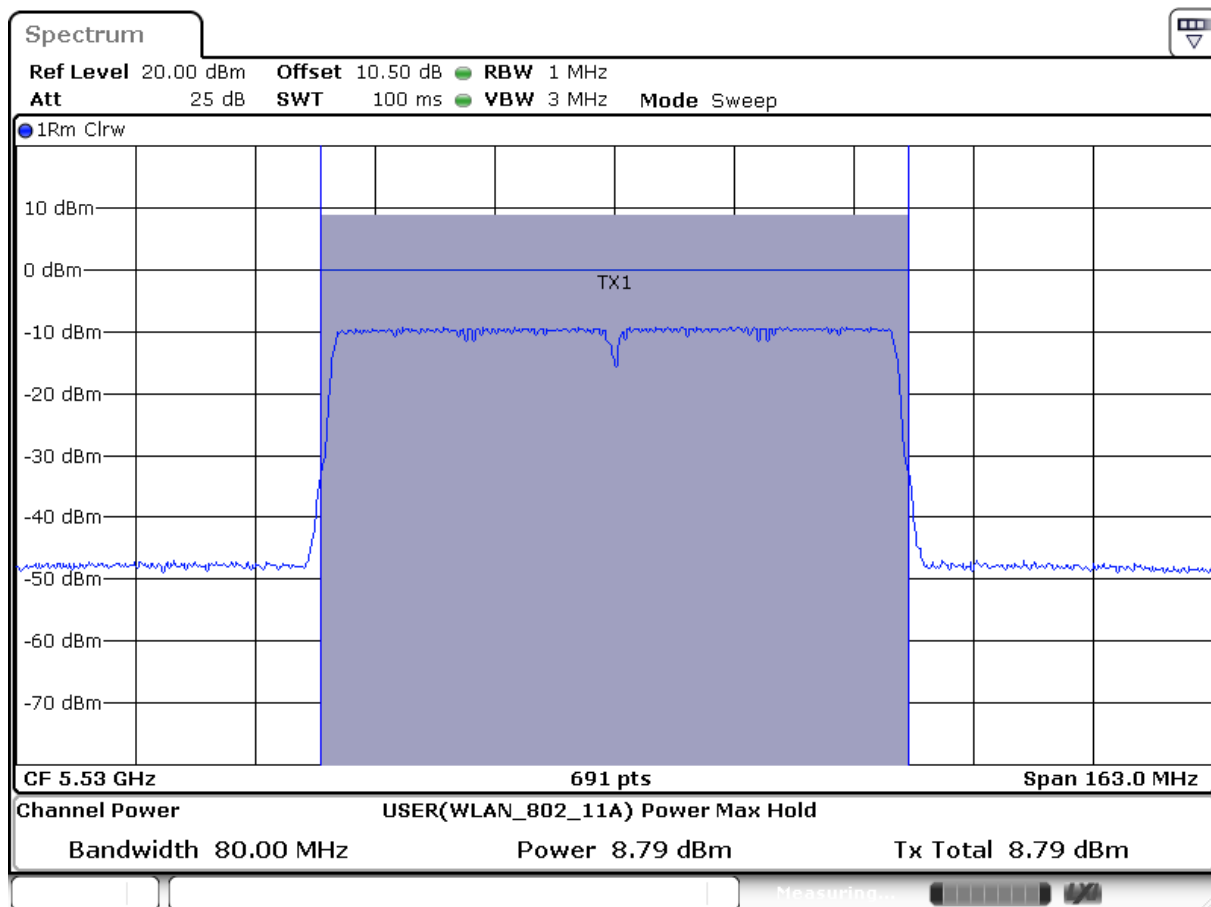
File: 20-10-MAS-019_5-6ac80_ANT1
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac80_Channel 106_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

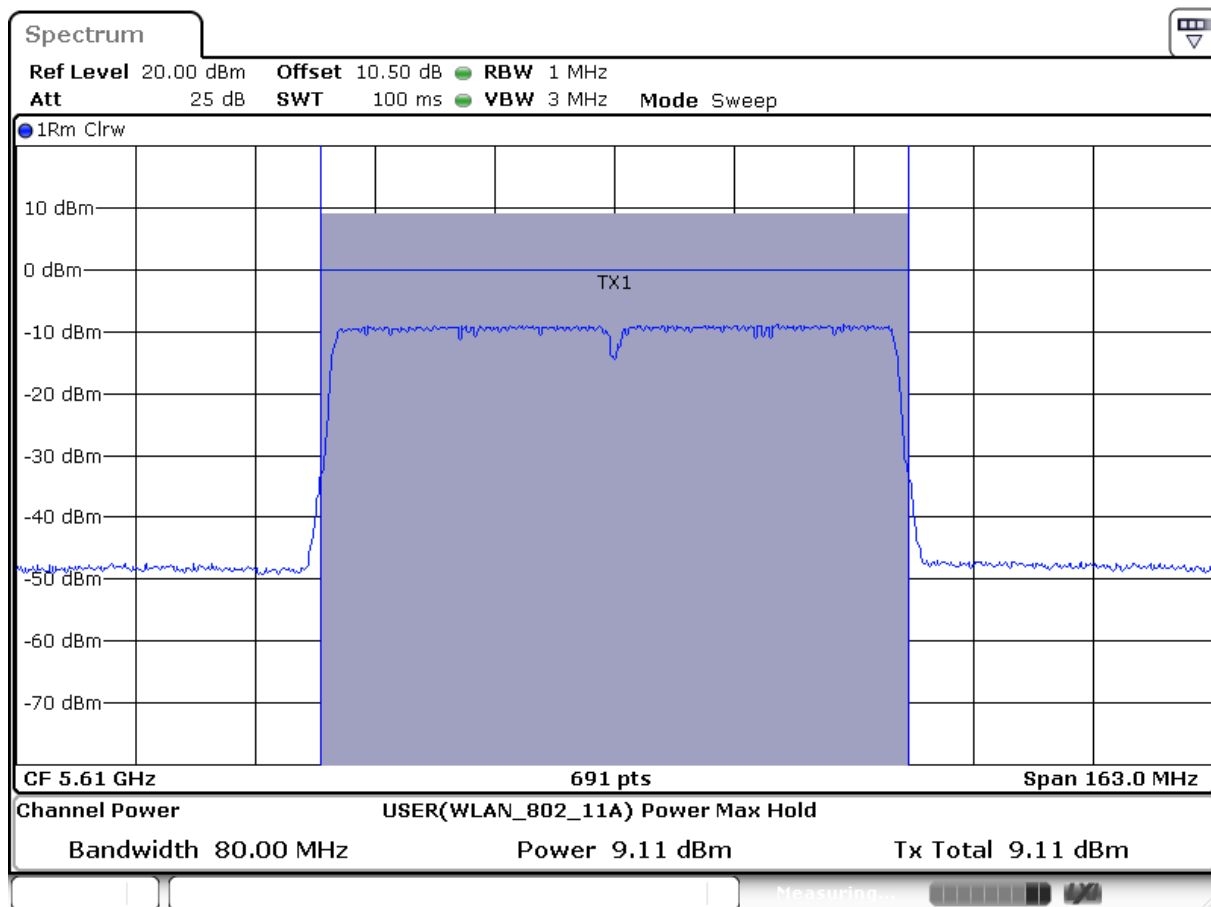
File: 20-10-MAS-019_5-6ac80_ANT1
Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:****EUT:**

Development Kit for PlayStation5

Model:

DFI-D1000AA

Test Mode:

UNII

Note:

NCC_LP0002_802.11ac80_Channel 122_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz

VBW: 3000 KHz

Operator:

Phillip

7.4.6.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	81.500	30.11	6.89	24.00	Page 109
H	24	81.826	30.13	7.26	24.00	Page 110

註：1. 繪圖資料請參考第 109-110 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

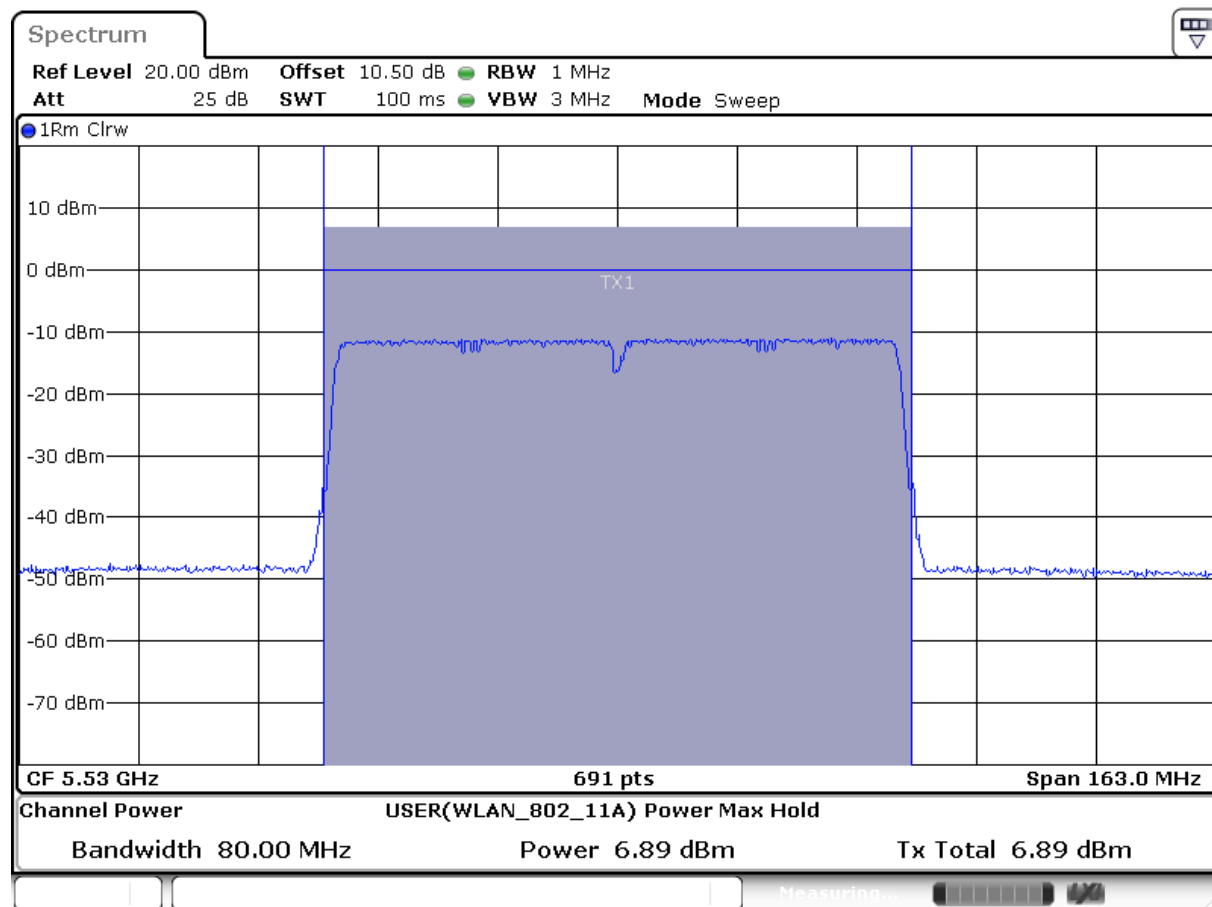
File: 20-10-MAS-019_5-6ac80_ANT2
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac80_Channel 106_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

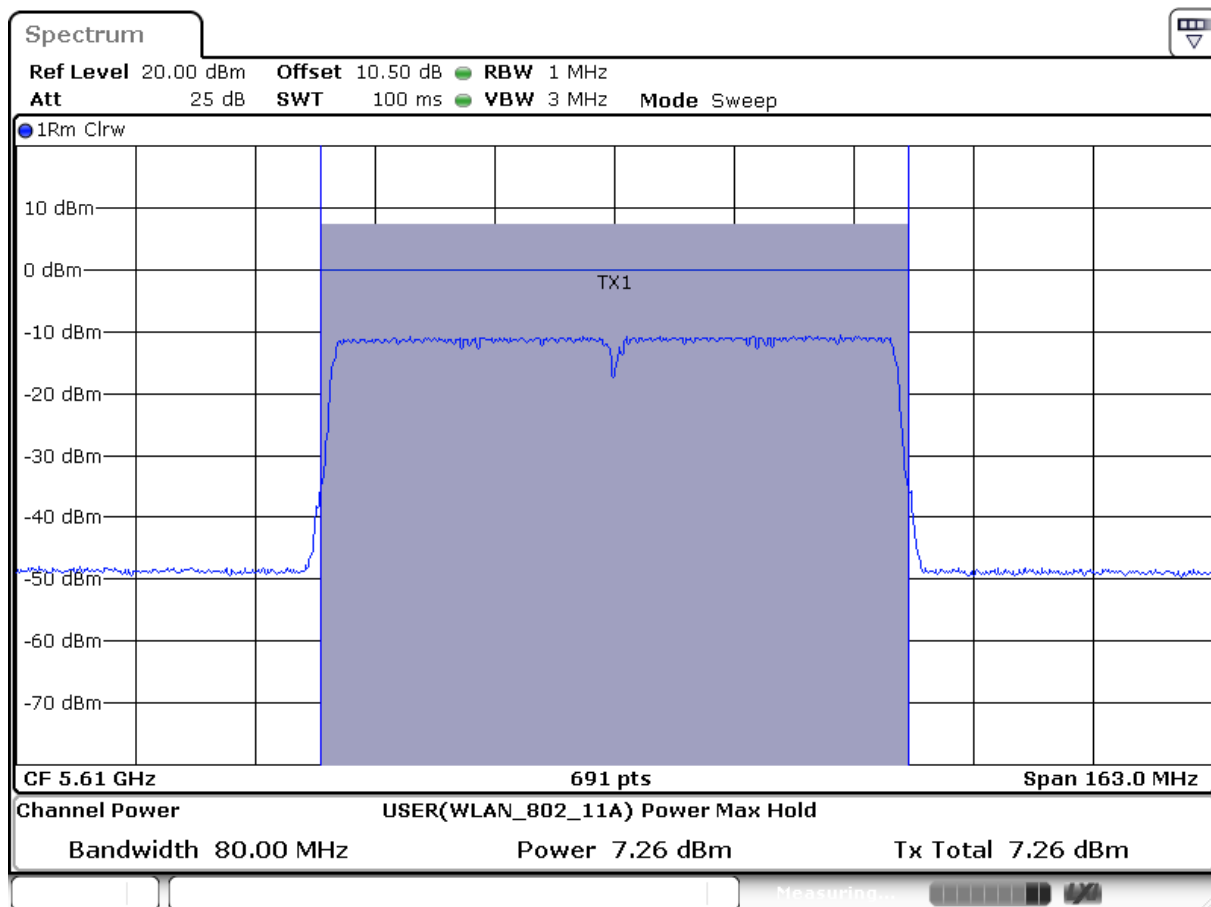
File: 20-10-MAS-019_5-6ac80_ANT2
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ac80_Channel 122_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: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi，NCC Limit 如下表所示：

Chnnel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.79	6.89	10.95	23.336	-
H	9.11	7.26	11.29	23.36	-

註：1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。

2. Fixed Limit = 250mW=24dBm

3. Caxulated Limit = 11dBm + 10 log (26dB BW)

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

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

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

7.4.7 調變技術: IEEE 802.11ax (20MHz)

7.4.7.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi , NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.838	24.19	8.80	24.00	Page 113
M	24	20.838	24.19	9.02	24.00	Page 114
H	24	20.838	24.19	9.07	24.00	Page 115

註：1. 繪圖資料請參考第 113-115 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. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6ax20_ANT1

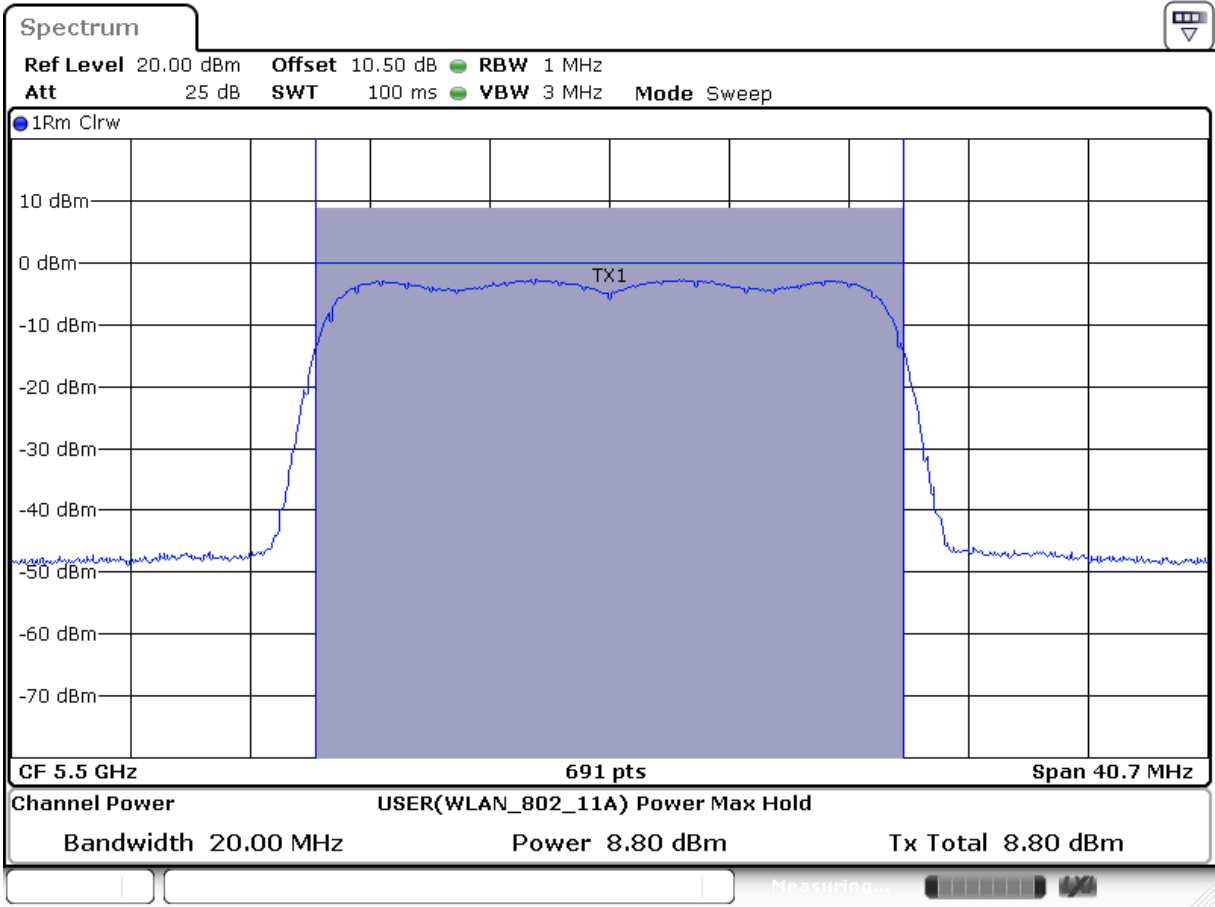
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ax20_Channel 100_Output power	

File: 20-10-MAS-019_5-6ax20_ANT1

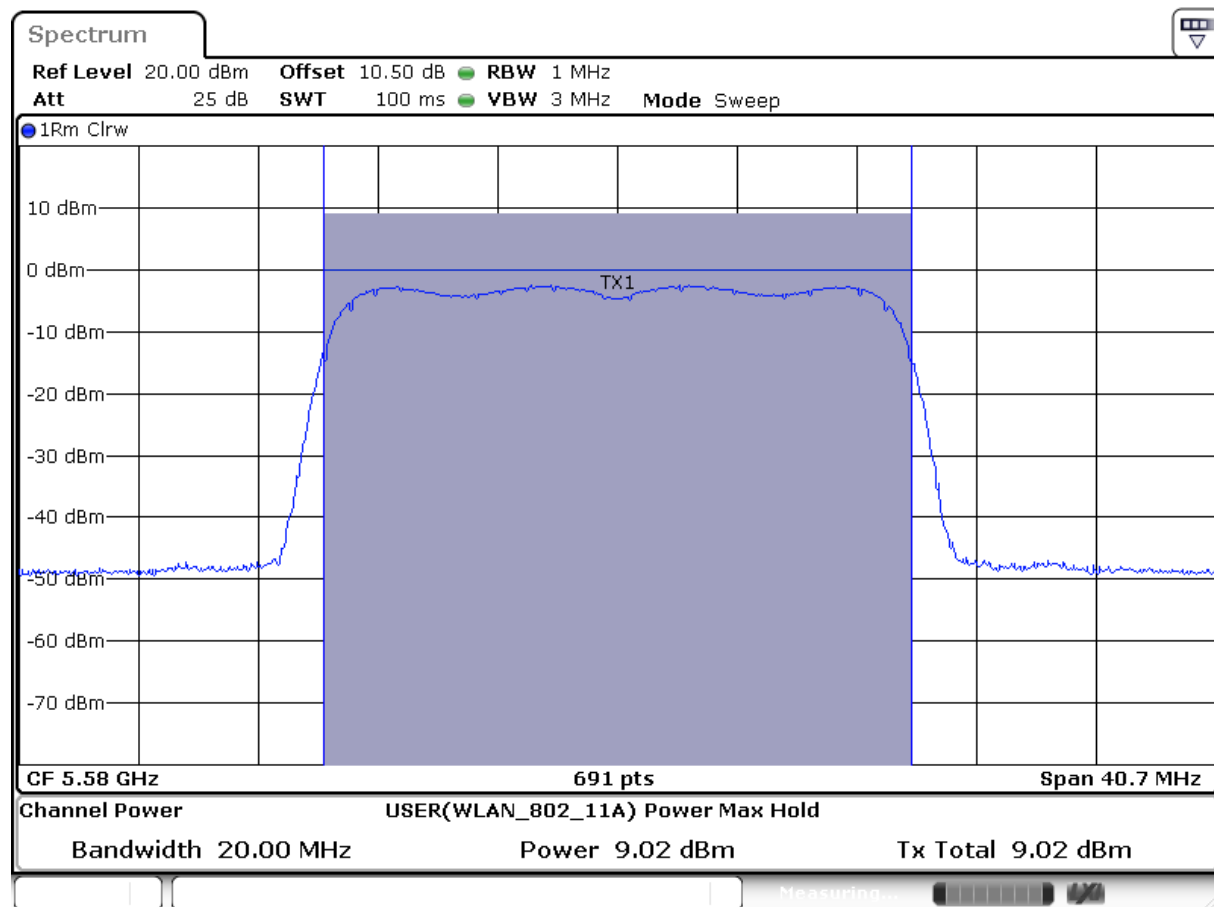
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 116_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ax20_ANT1

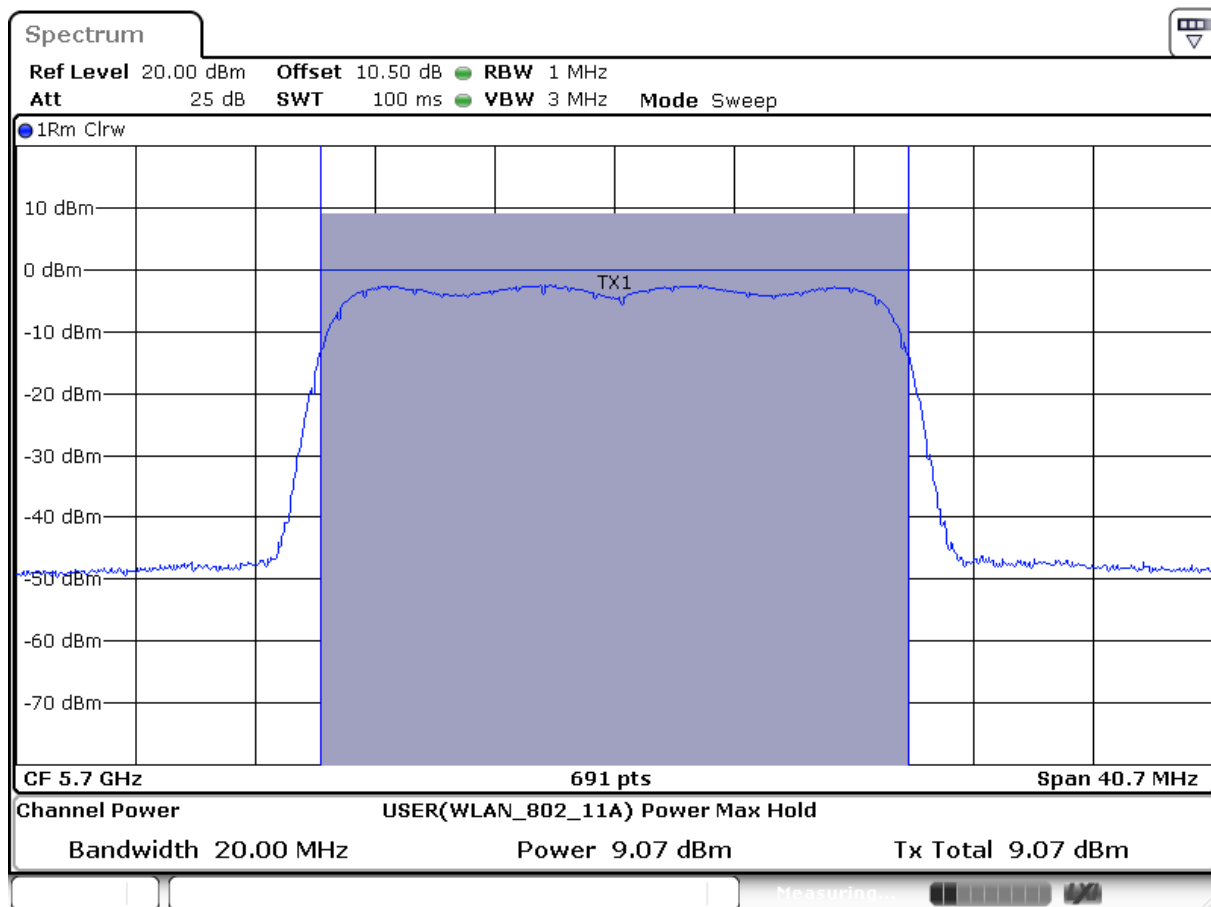
#14

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 140_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.7.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	20.838	24.19	6.91	24.00	Page 117
M	24	20.920	24.21	7.25	24.00	Page 118
H	24	20.838	24.19	7.52	24.00	Page 119

註：1. 繪圖資料請參考第 117-119 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

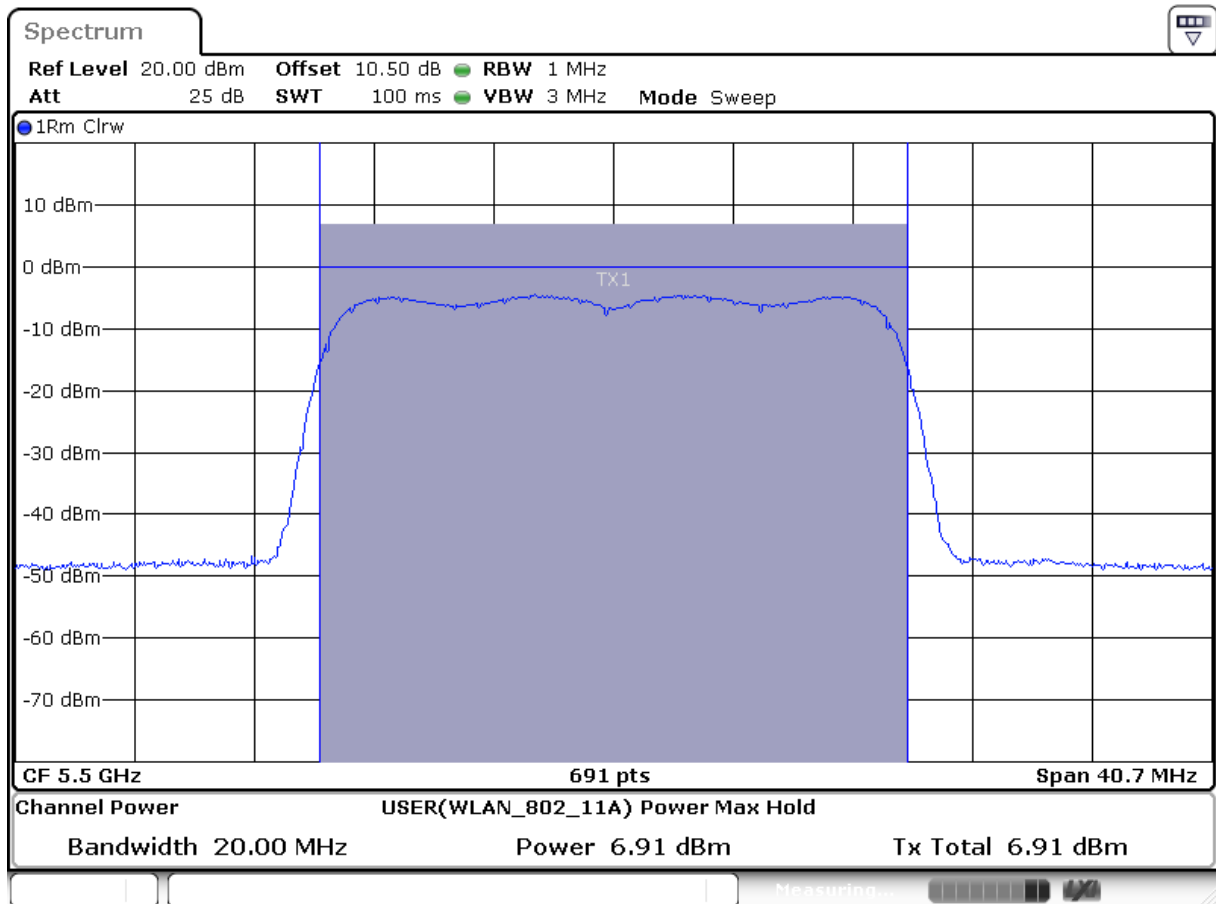
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 100_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ax20_ANT2

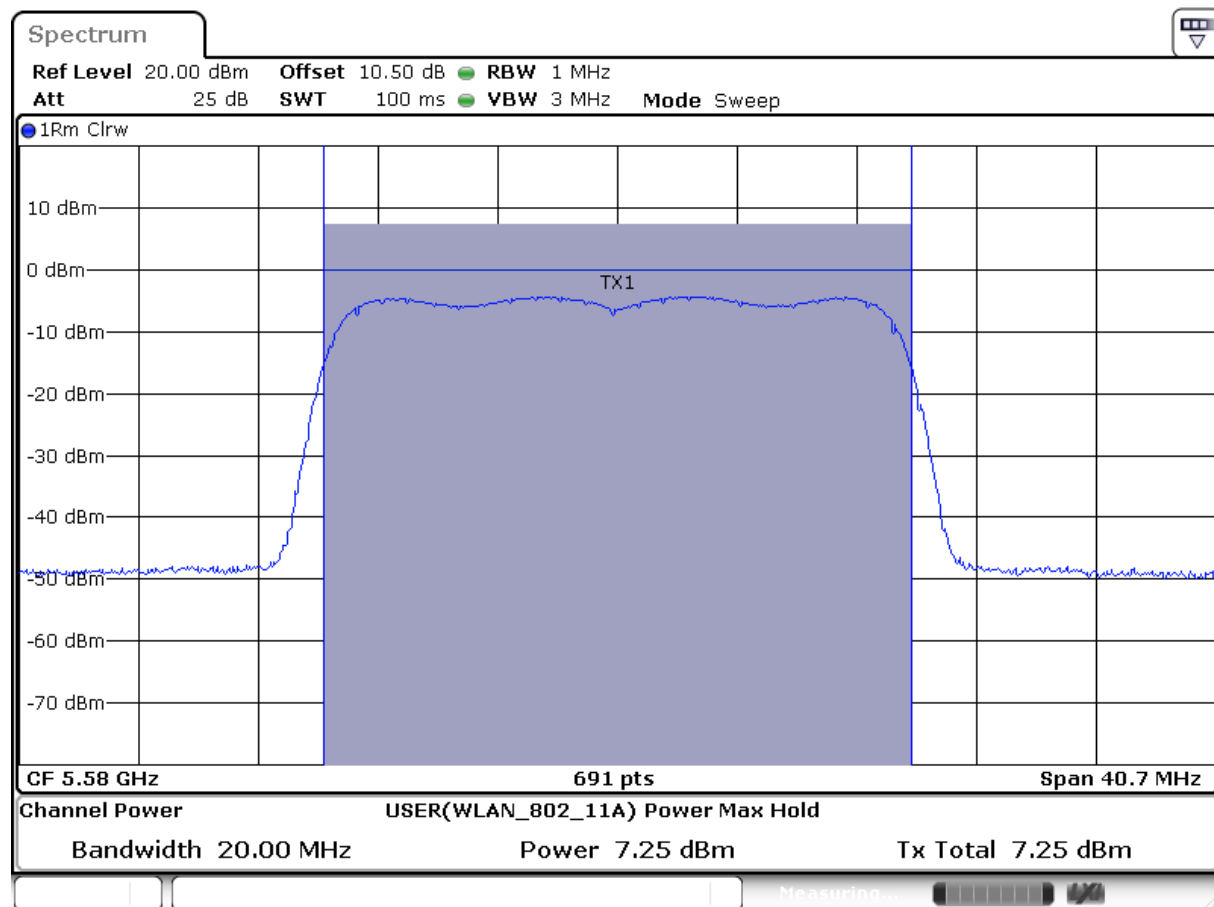
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 116_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ax20_ANT2

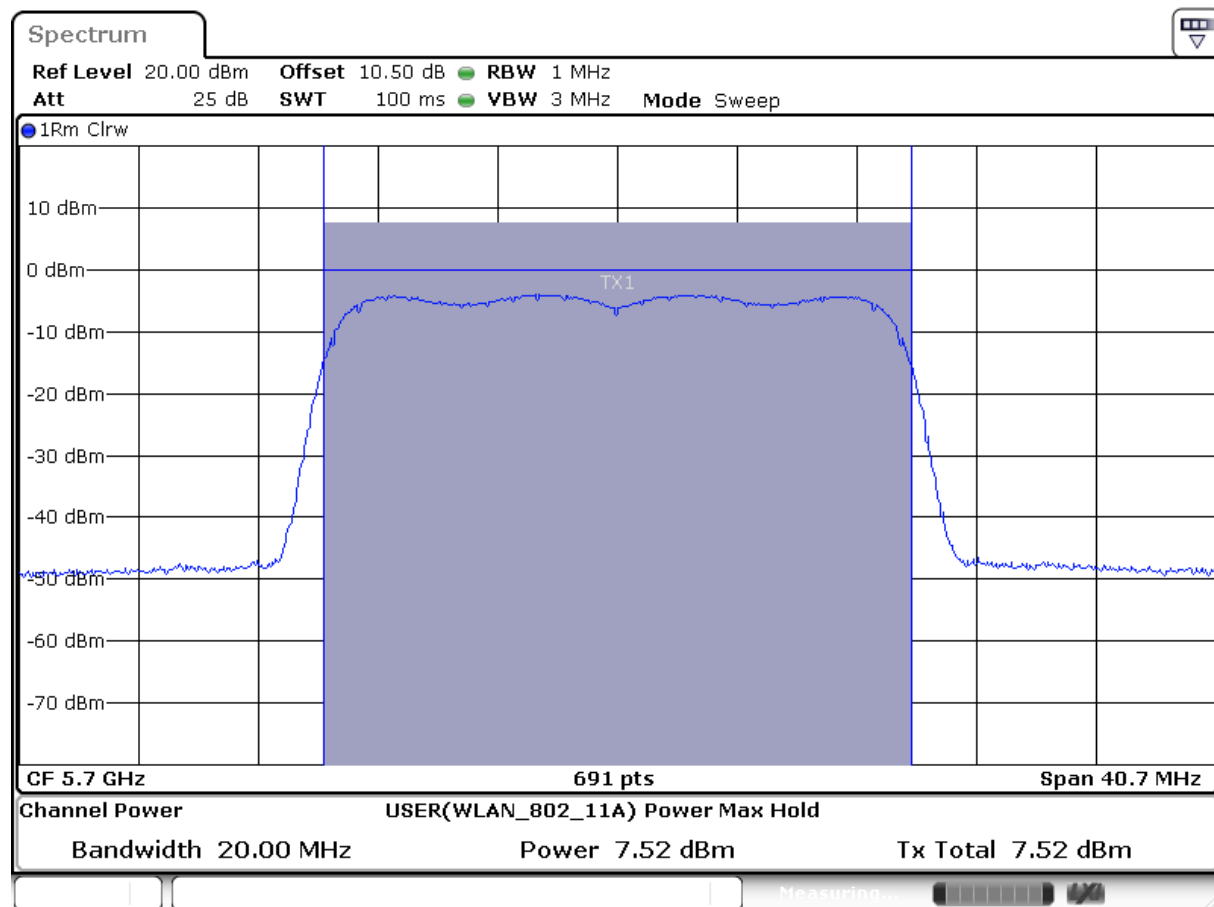
#14

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 140_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.7.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi, NCC Limit 如下表所示:

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.80	6.91	10.97	23.36	-
M	9.02	7.25	11.23	23.36	-
H	9.07	7.52	11.37	23.36	-

- 註: 1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 250mW=24dBm
3. Caxulated Limit = 11dBm + 10 log (26dB BW)
4. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm
5. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.8 調變技術: IEEE 802.11ax (40MHz)

7.4.8.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	41.300	27.16	8.88	24	Page 122
M	24	41.463	27.18	9.22	24	Page 123
H	24	41.463	27.18	9.45	24	Page 124

註：1. 繪圖資料請參考第 122-124 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm

6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)

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

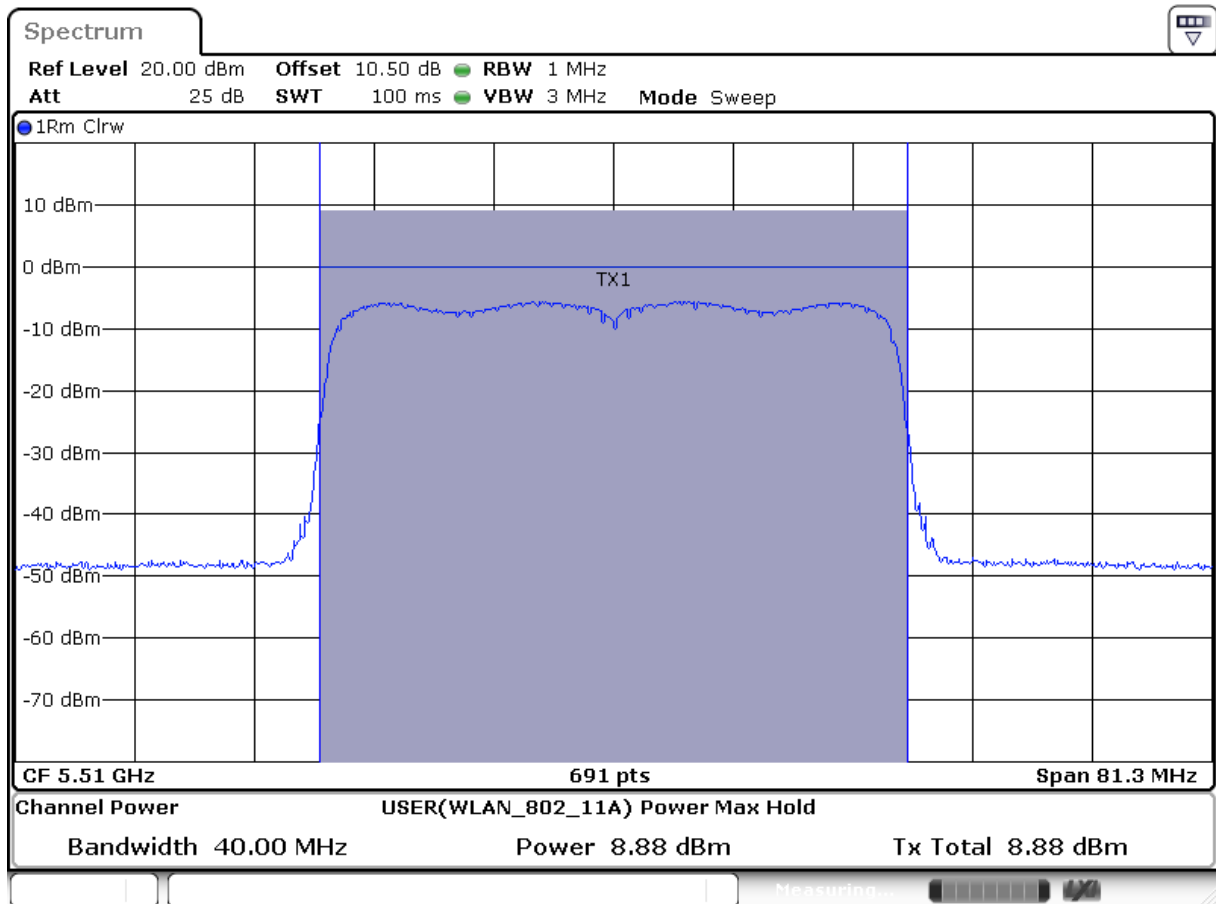
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#1

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 102_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ax40_ANT1

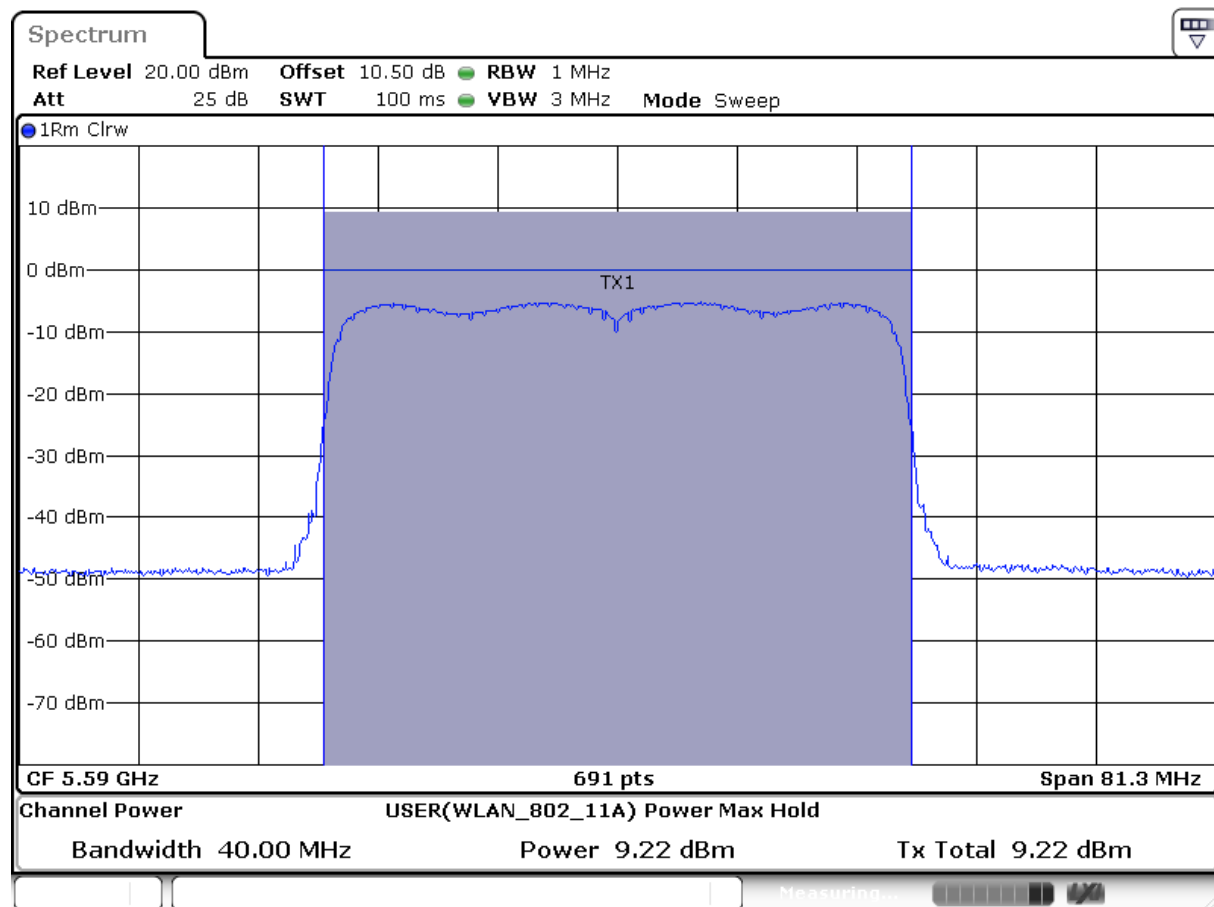
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 118_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ax40_ANT1

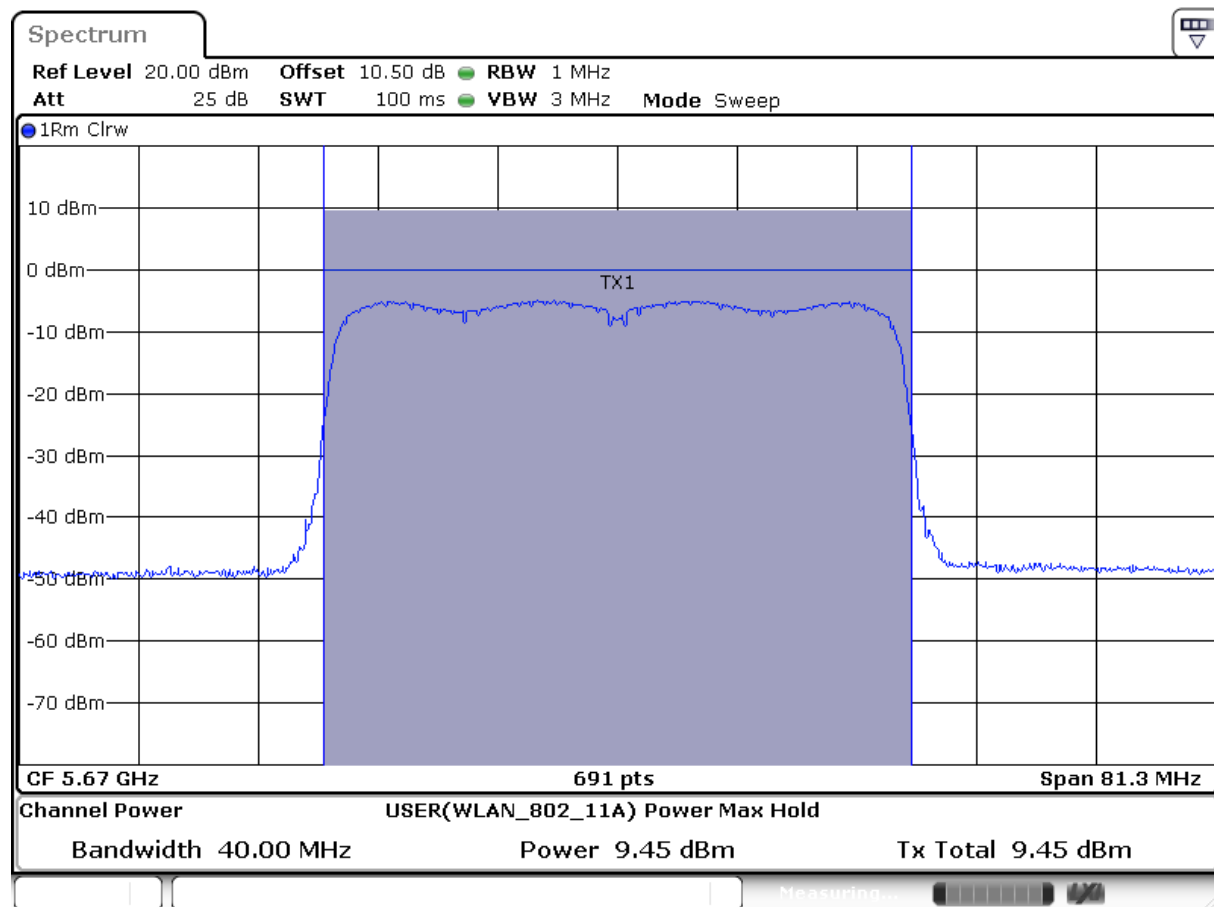
#14

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 134_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

7.4.8.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	40.975	27.13	7.05	24	Page 126
M	24	40.975	27.13	7.37	24	Page 127
H	24	41.138	27.14	7.64	24	Page 128

註：1. 繪圖資料請參考第 126-128 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6ax40_ANT2

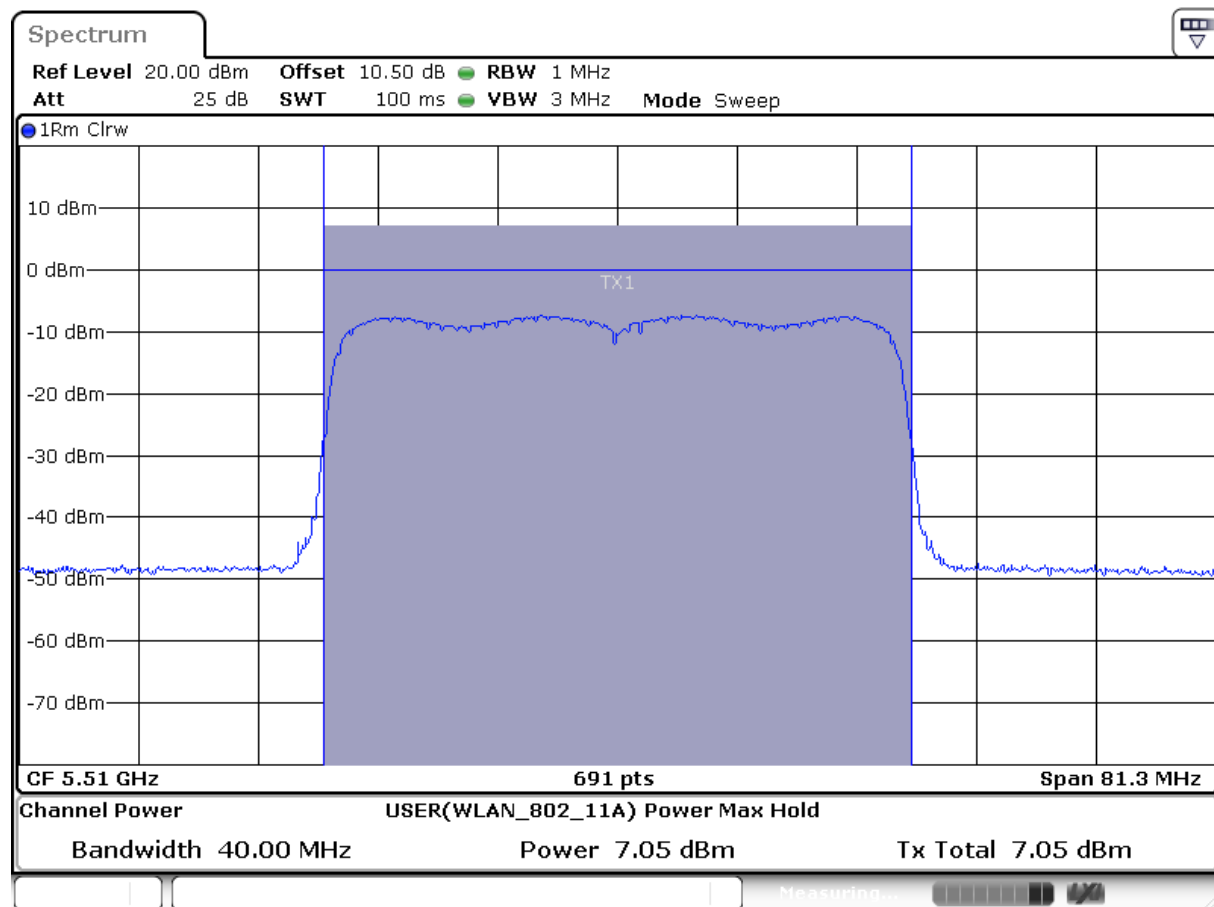
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 102_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

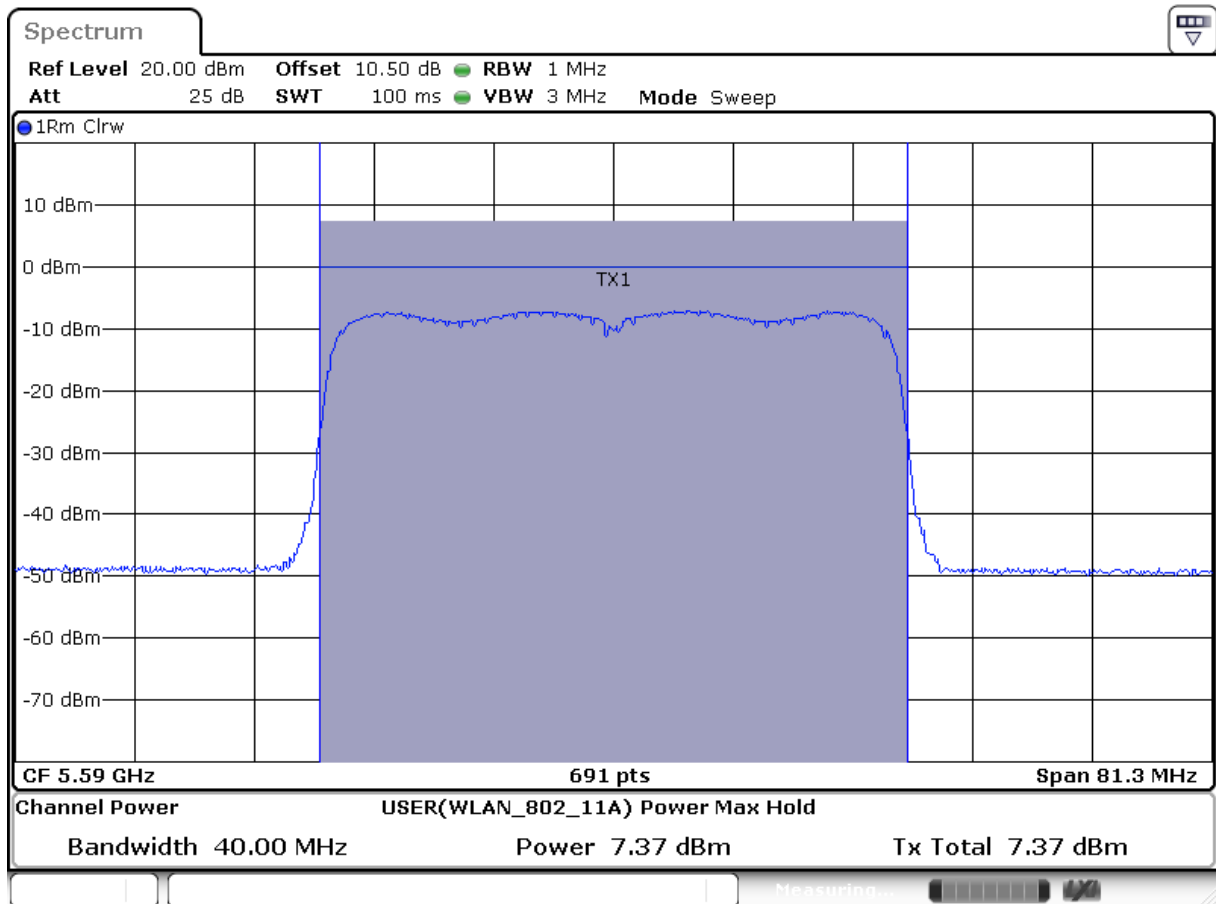
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 118_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ax40_ANT2

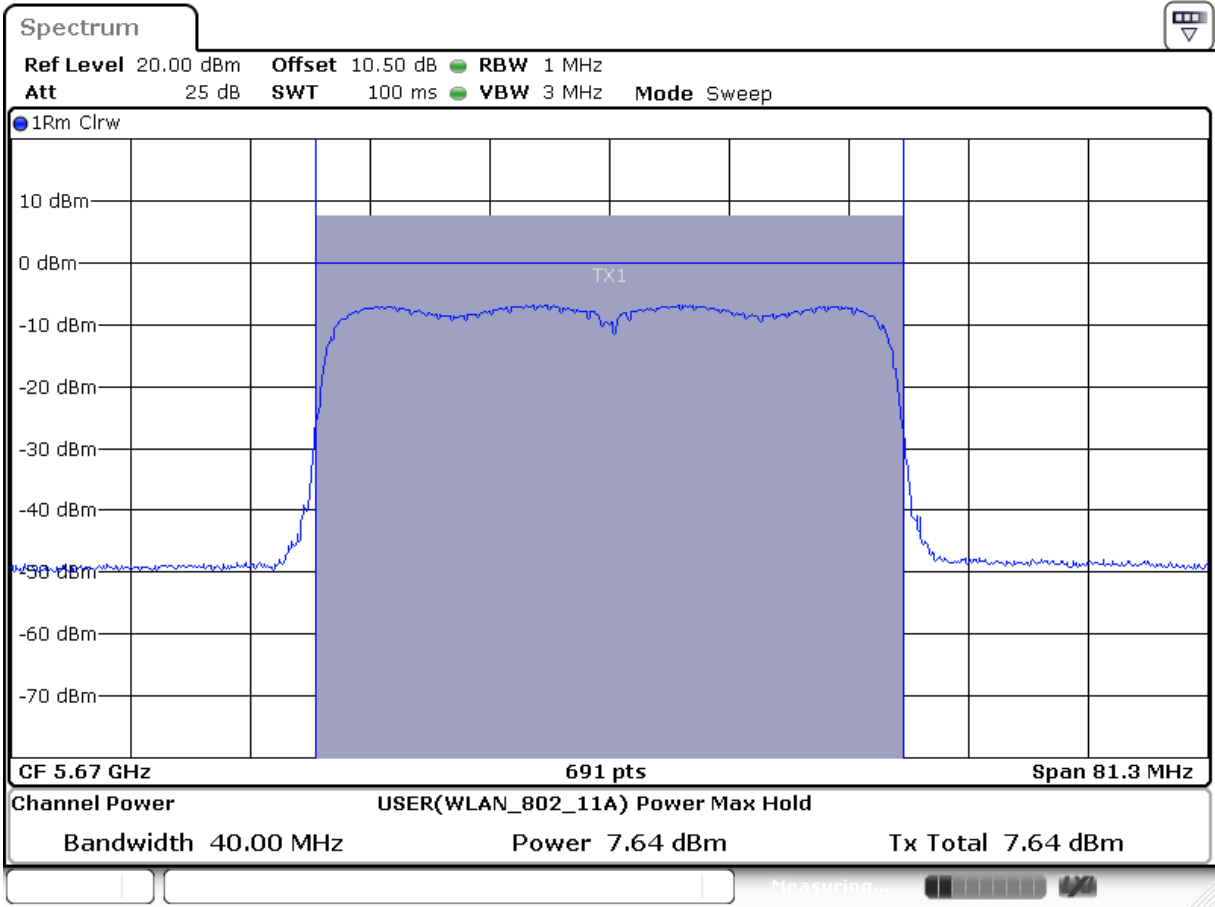
#14

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:		RF Conducted
EUT:	Development Kit for PlayStation5	Sweep Time: 100ms Att.: 25dB
Model:	DFI-D1000AA	RBW: 1000 KHz VBW: 3000 KHz
Test Mode:	UNII	Operator: Phillip
Note:	NCC_LP0002_802.11ax40_Channel 134_Output power	

7.4.8.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi, NCC Limit 如下表所示:

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	8.88	7.05	11.07	23.36	-
M	9.22	7.37	11.40	23.36	-
H	9.45	7.64	11.65	23.36	-

註:

1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
2. Fixed Limit = 250mW=24dBm
3. Caxulated Limit = 11dBm + 10 log (26dB BW)
4. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm
5. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)
6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.4.9 調變技術: IEEE 802.11ax (80MHz)

7.4.9.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi , NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	81.500	30.11	9.10	24	Page 131
H	24	81.826	30.13	9.38	24	Page 132

註：1. 繪圖資料請參考第 131-132 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6ax80_ANT1

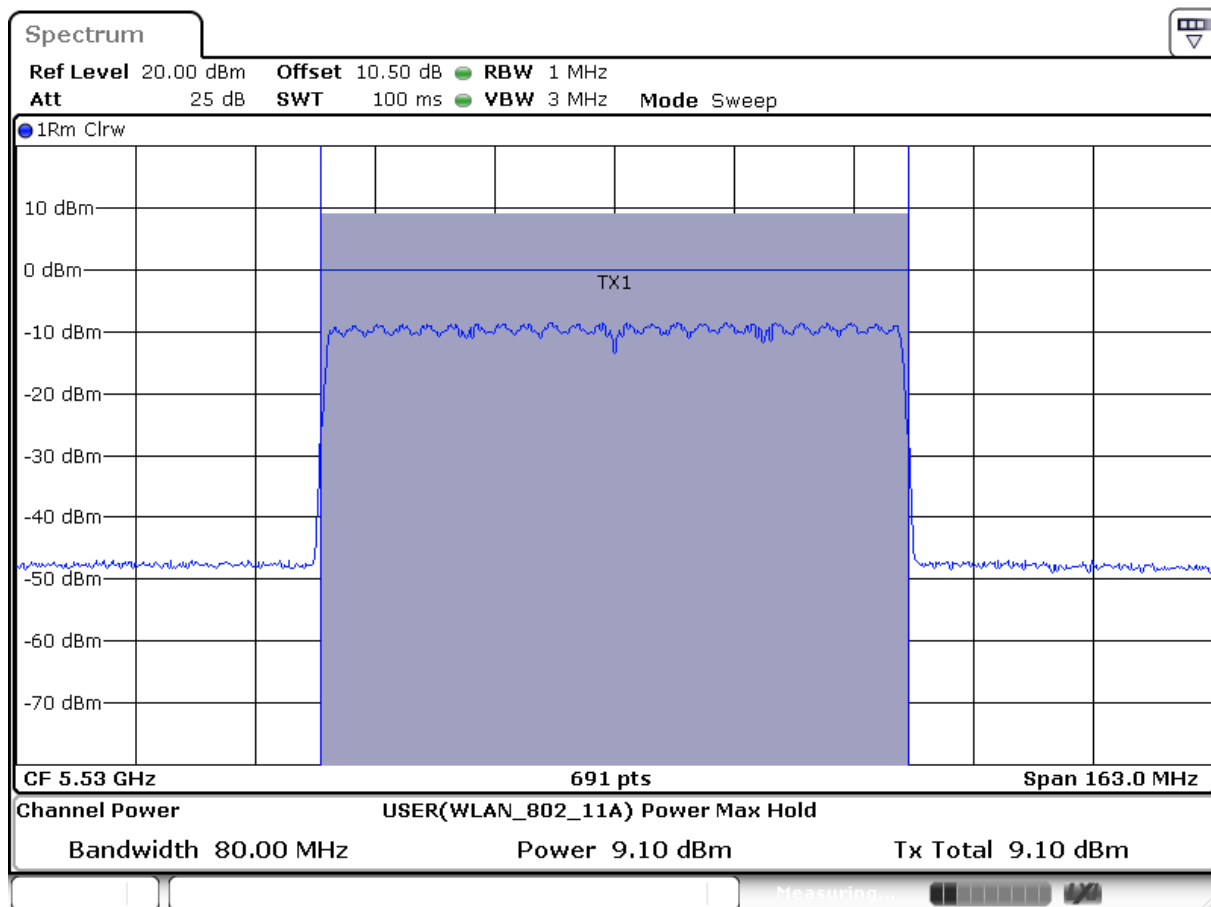
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 106_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

File: 20-10-MAS-019_5-6ax80_ANT1

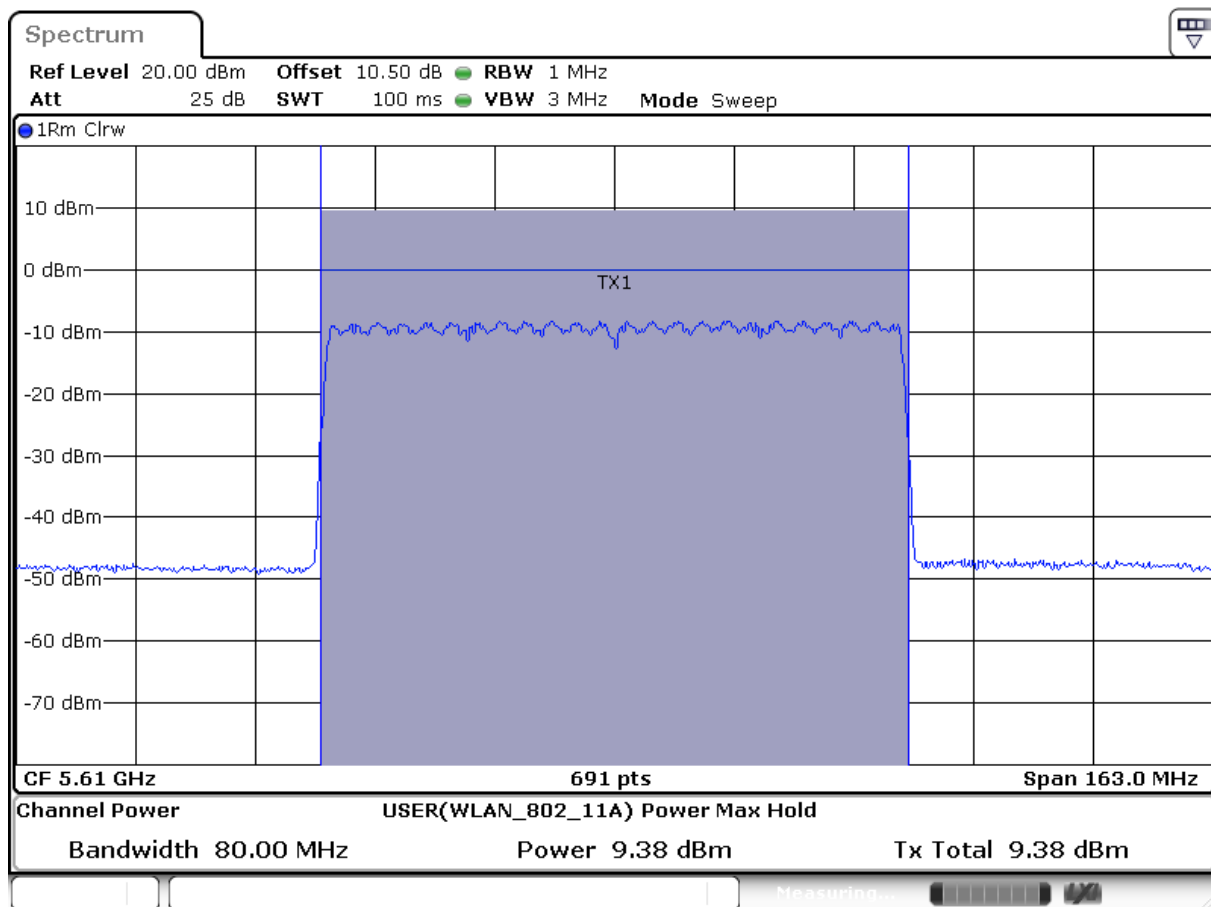
#8

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 122_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: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Fixd limit (dBm)	26dB BW (MHz)	Caxulated Limit (dBm)	Output Power (dBm)	NCC Limit (dBm)	Chart
L	24	81.500	30.11	7.19	24	Page 134
H	24	81.826	30.13	7.58	24	Page 135

註：1. 繪圖資料請參考第 134-135 頁。

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

3. Fixed Limit = 250mW=24dBm

4. Caxulated Limit = 11dBm + 10 log (26dB BW)

5. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm6. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit)
dBm – (highest antenna gain – 6 dBi)7. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-10-MAS-019_5-6ax80_ANT2

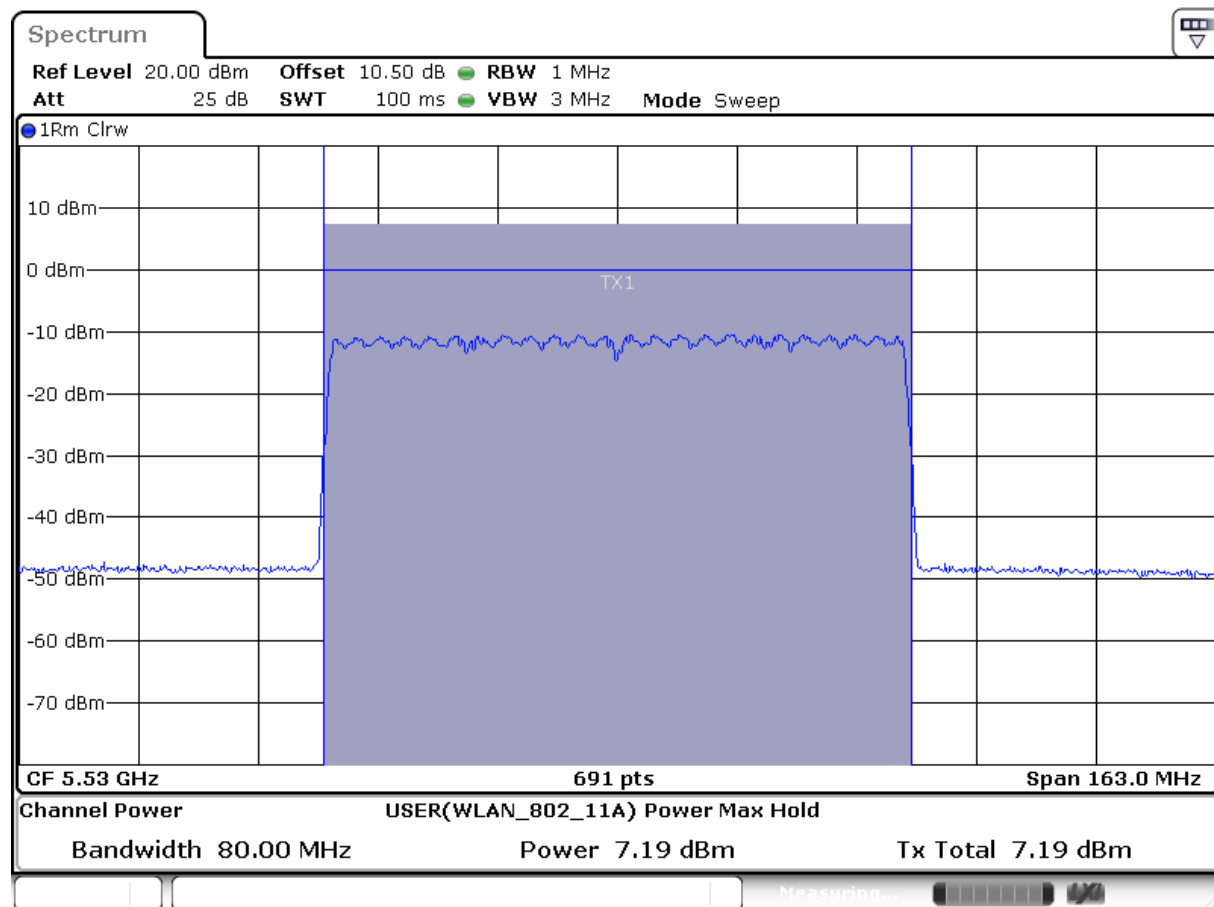
#1

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT:

Development Kit for PlayStation5

Model:

DFI-D1000AA

Test Mode:

UNII

Note:

NCC_LP0002_802.11ax80_Channel 106_Output power

RF Conducted

Sweep Time: 100ms Att.: 25dB

RBW: 1000 KHz

VBW: 3000 KHz

Operator:

Phillip

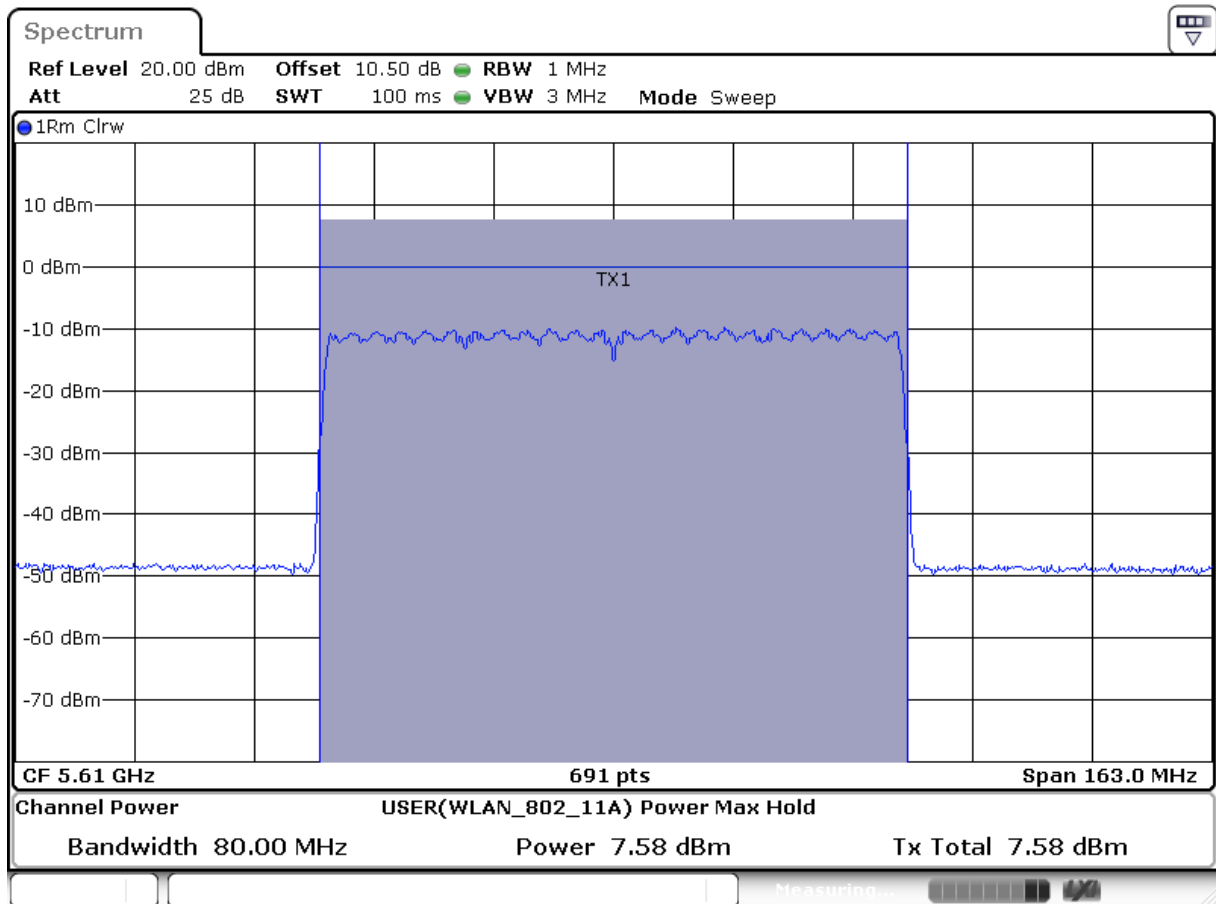
File: 20-10-MAS-019_5-6ax80_ANT2
Site: RF-Cond01

#8

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 122_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: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

Ant 1 / Ant 2 combination 天線增益最大值為 6.64 dBi，NCC Limit 如下表所示：

Channel	CHAIN 0 Maximum Output Power (dBm)	CHAIN 1 Maximum Output Power (dBm)	TOTAL Power (dBm)	NCC Limit (dBm)	Chart
L	9.10	7.19	11.26	23.36	-
H	9.38	7.58	11.58	23.36	-

- 註：1. 最大傳導輸出功率 (Maximum Output Power) 為經儀器校正補償過後的結果值。
 2. Fixed Limit = 250mW=24dBm
 3. Caxulated Limit = 4dBm + 10 log (26dB BW)
 4. If antenna gain $\leq$ 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm
 5. If antenna gain > 6dBi, NCC Limit = (Minimum of Fixed Limit and Caxulated Limit) dBm – (highest antenna gain – 6 dBi)
 6. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.5 結果判定

高、中、低頻段的最大傳導輸出功率皆低於限制值。

8 功率密度之量測

8.1 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.3.2節之規定:

5.7.3.2 (2)最大功率頻譜密度在任何1 MHz 頻帶中應小於或等於11 dBm。

(1) 5.7.3.2 (3)使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

8.2 量測功率密度之配置

如圖 2 所示。

8.3 量測功率密度之儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	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: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

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	2.42	11.00	Page 139
M	2.98	11.00	Page 140
H	2.68	11.00	Page 141

註: 1. 繪圖資料請參考第 139-141 頁。

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

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

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

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

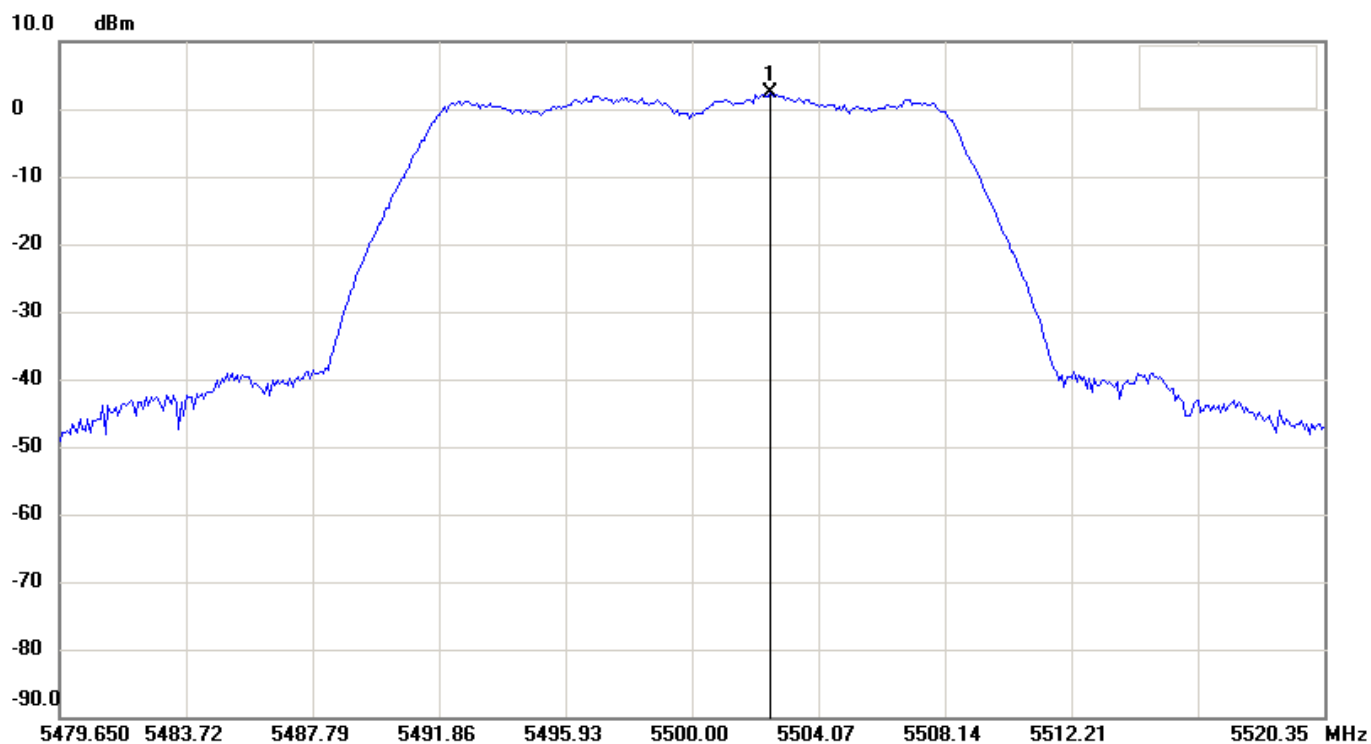
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#4

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 100_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5502.52340	2.42

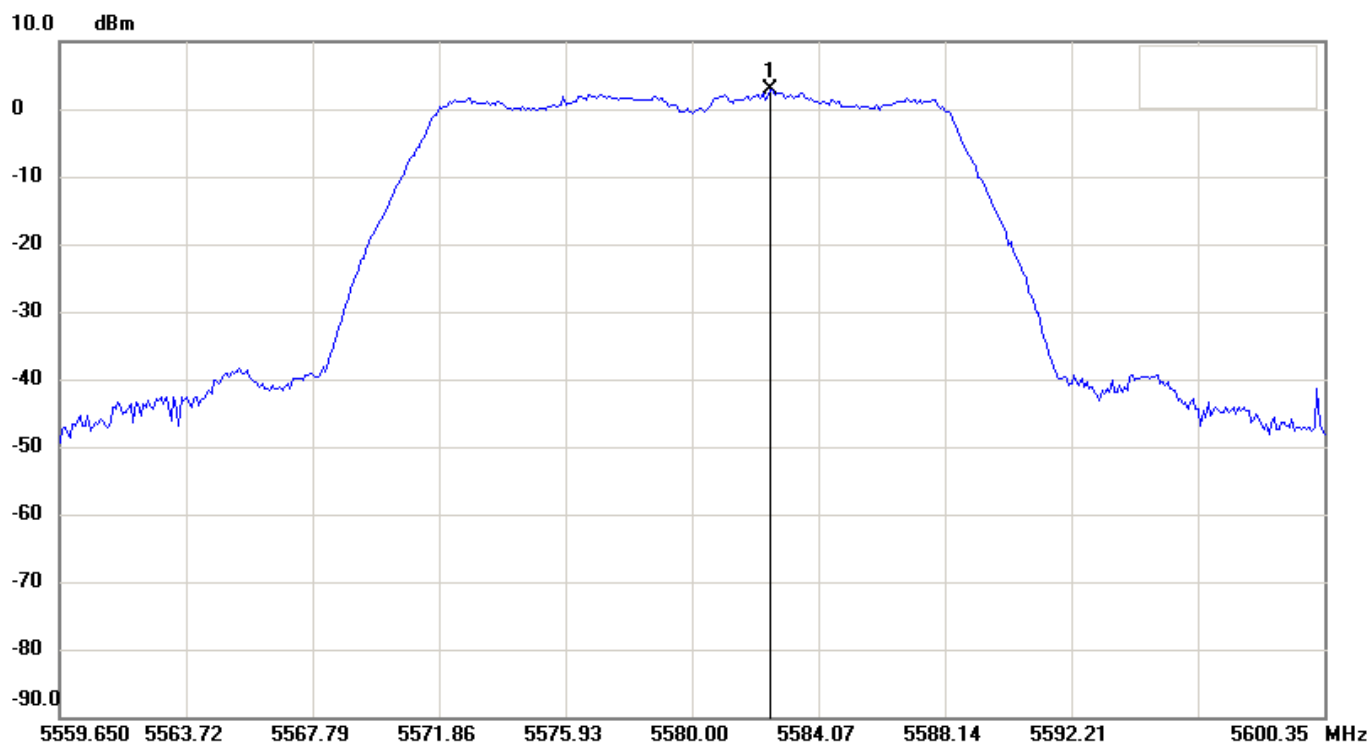
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#11

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 116_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5582.52340	2.98

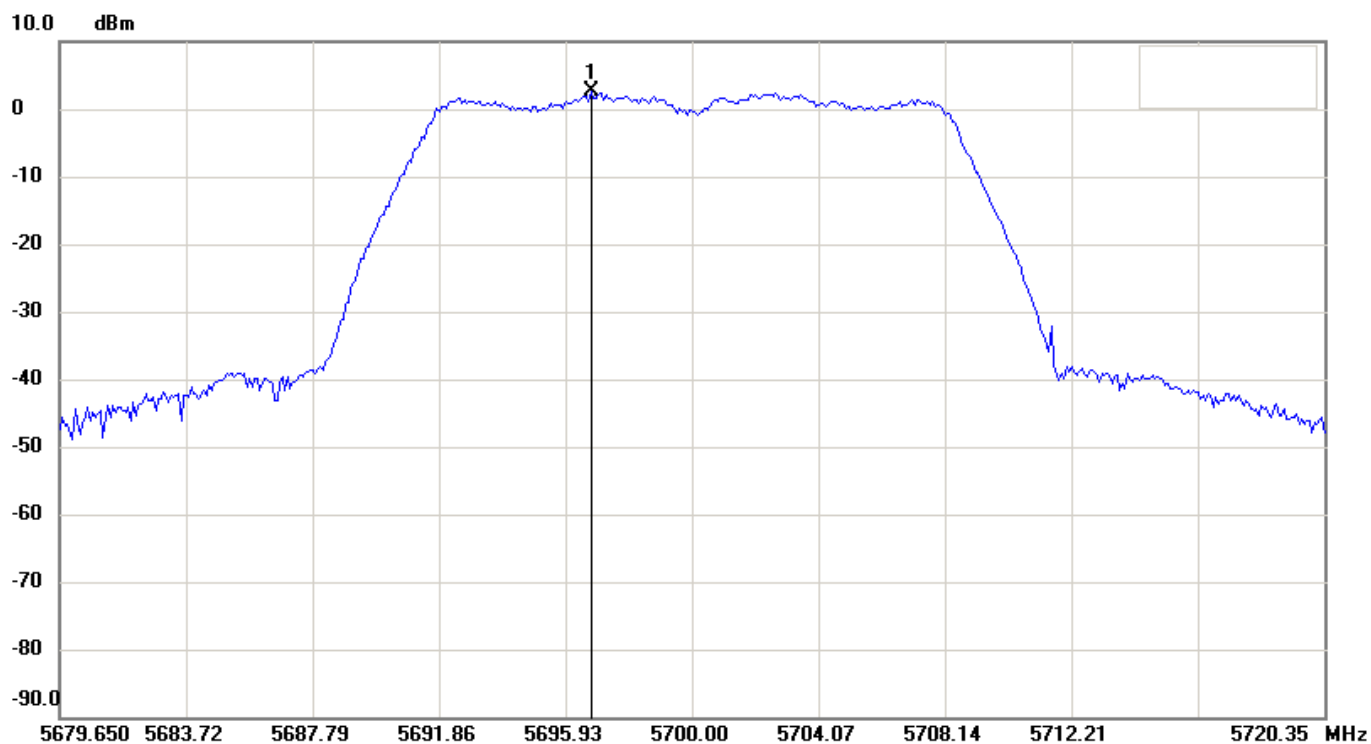
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#17

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 140_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5696.74400	2.68

8.4.2 調變技術：IEEE 802.11ax (20MHz)

8.4.2.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

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	4.28	11.0	Page 143
M	5.10	11.0	Page 144
H	4.69	11.0	Page 145

註：1. 繪圖資料請參考第 143-145 頁。

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

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

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

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

File: 20-10-MAS-019_5-6ax20_ANT1

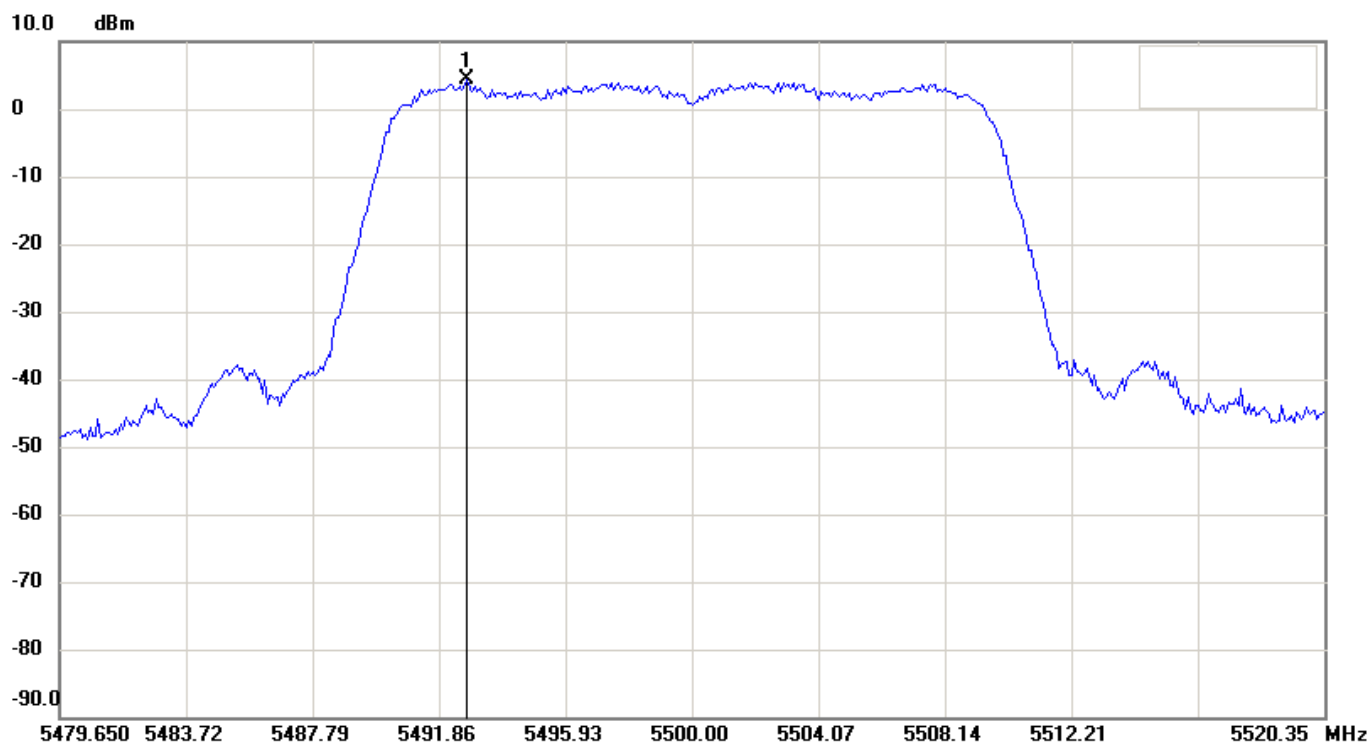
#4

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 100_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5492.75540	4.28

File: 20-10-MAS-019_5-6ax20_ANT1

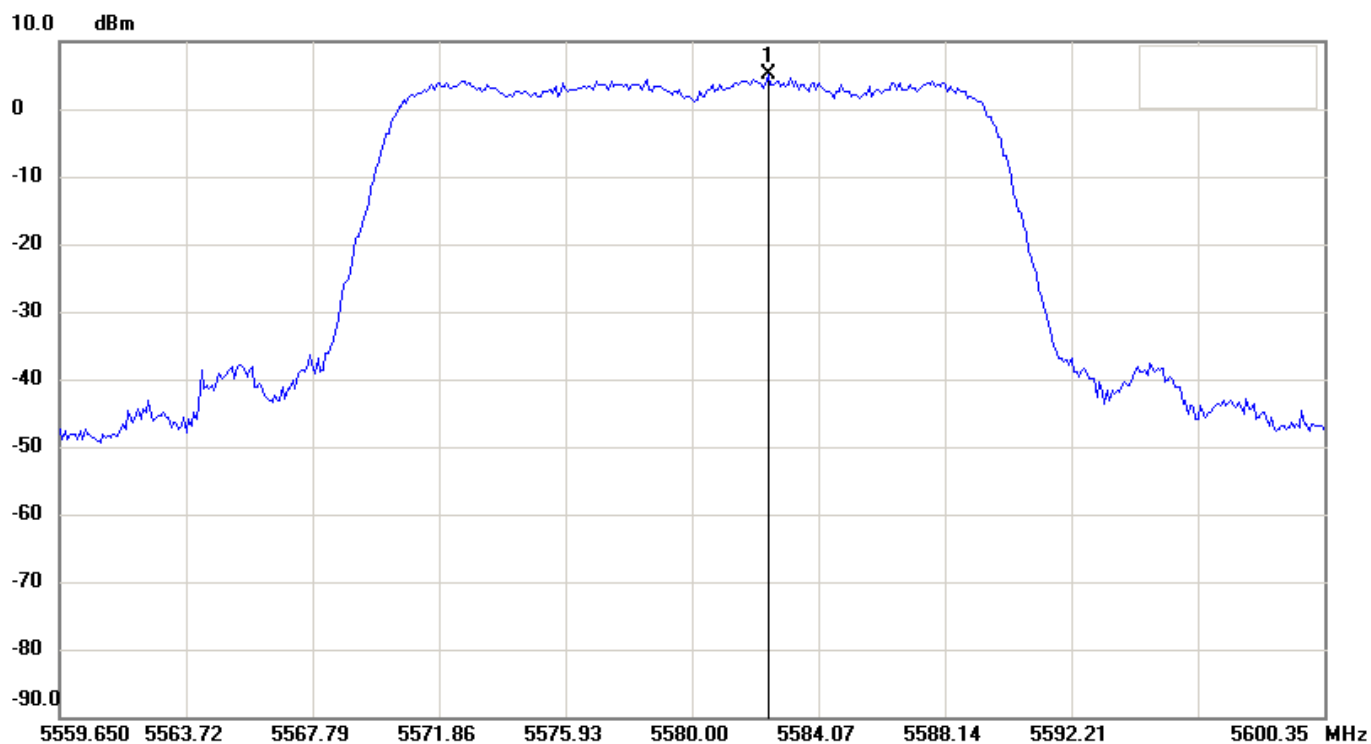
#11

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 116_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5582.44200	5.10

File: 20-10-MAS-019_5-6ax20_ANT1

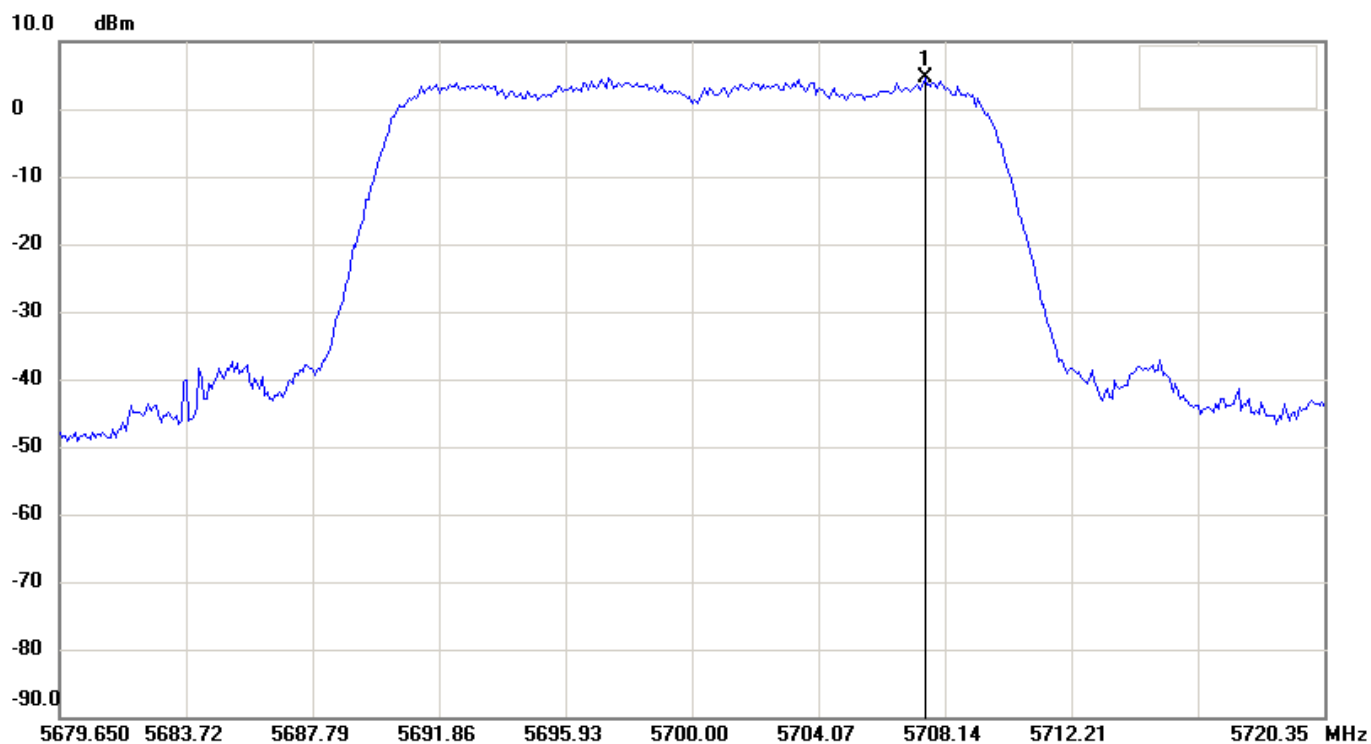
#17

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 140_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5707.48880	4.69

8.4.2.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	3.08	11.0	Page 147
M	3.22	11.0	Page 148
H	3.85	11.0	Page 149

- 註：1. 繪圖資料請參考第 147-149 頁。
2. 功率頻譜密度 (Power Spectral Density) 為經儀器校正補償過後的結果值。
3. If antenna gain $\leq 6\text{dBi}$, NCC Limit = 11 dBm
4. If antenna gain $> 6\text{dBi}$, NCC Limit = 11 dBm – (highest antenna gain – 6 dBi)
5. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

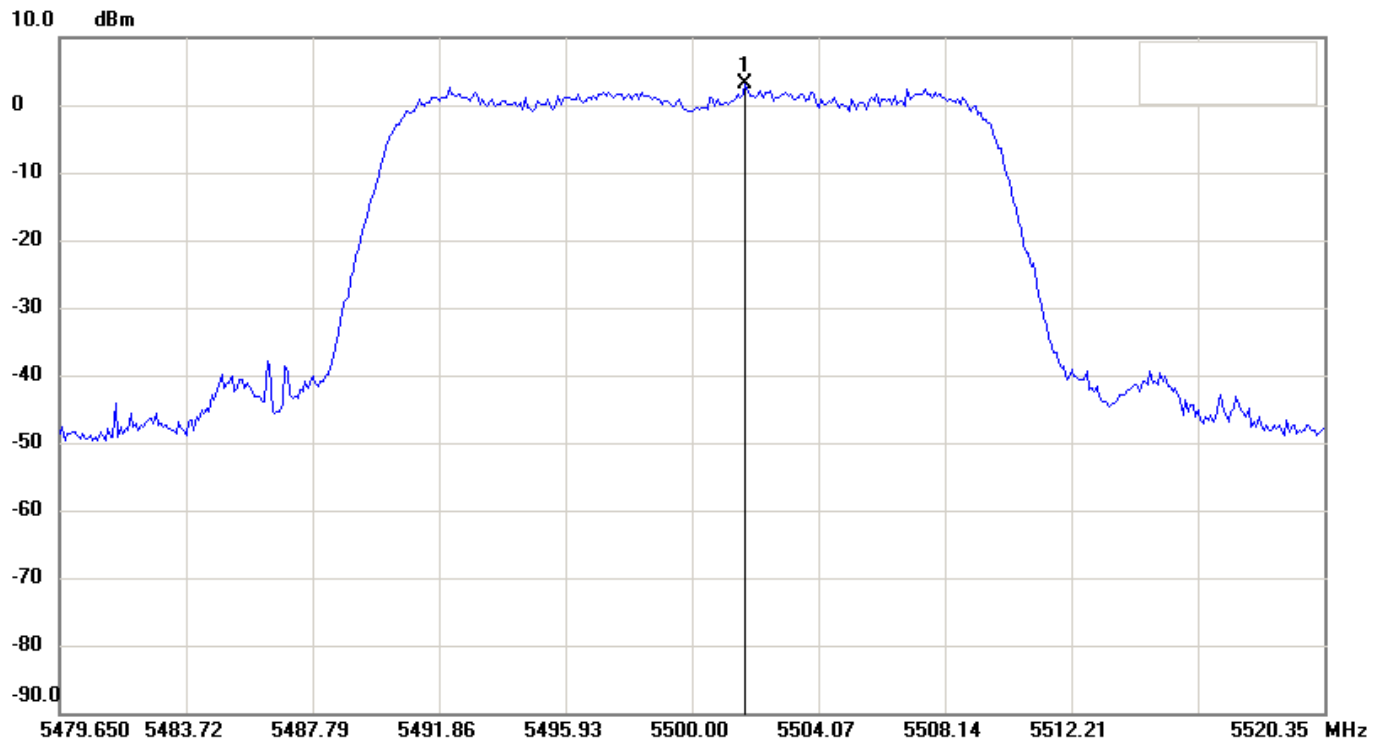
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#4

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax20_Channel 100_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5501.70940	3.08

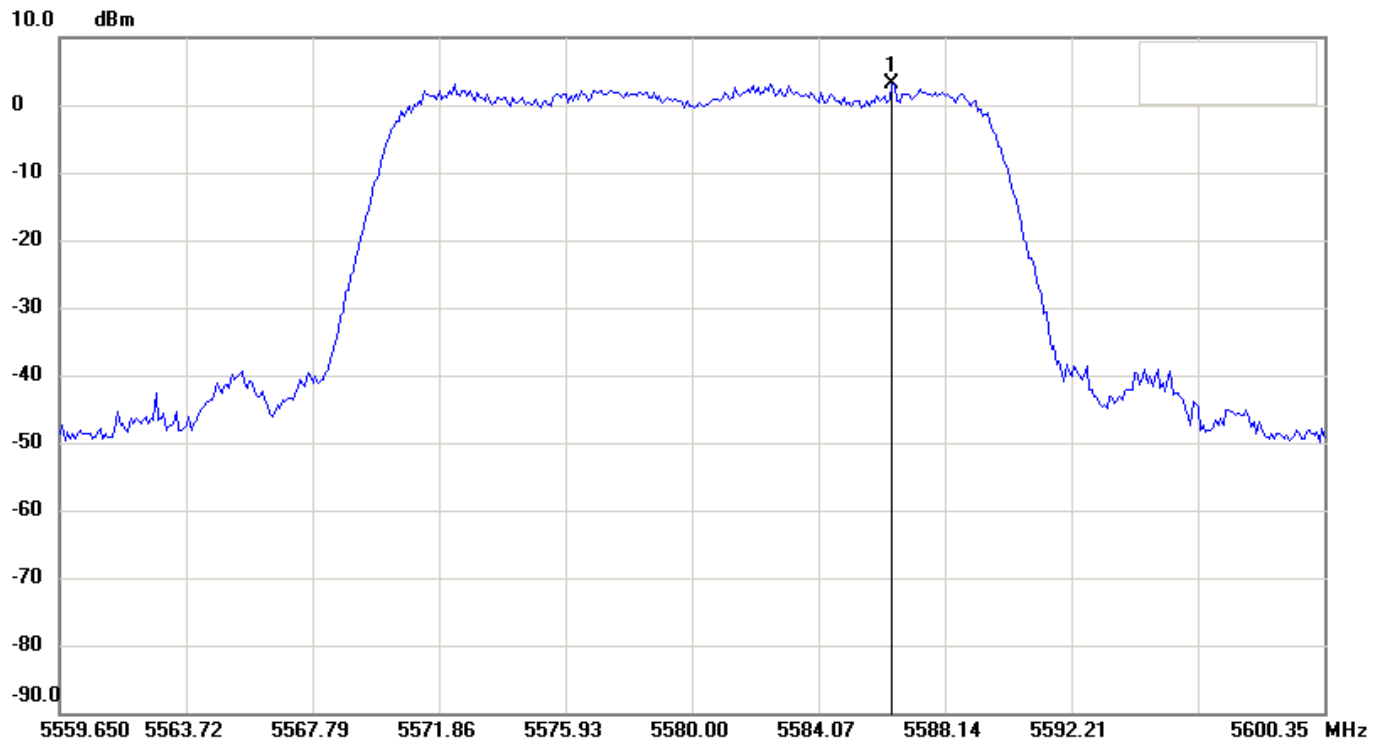
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#11

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 116_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5586.43060	3.22

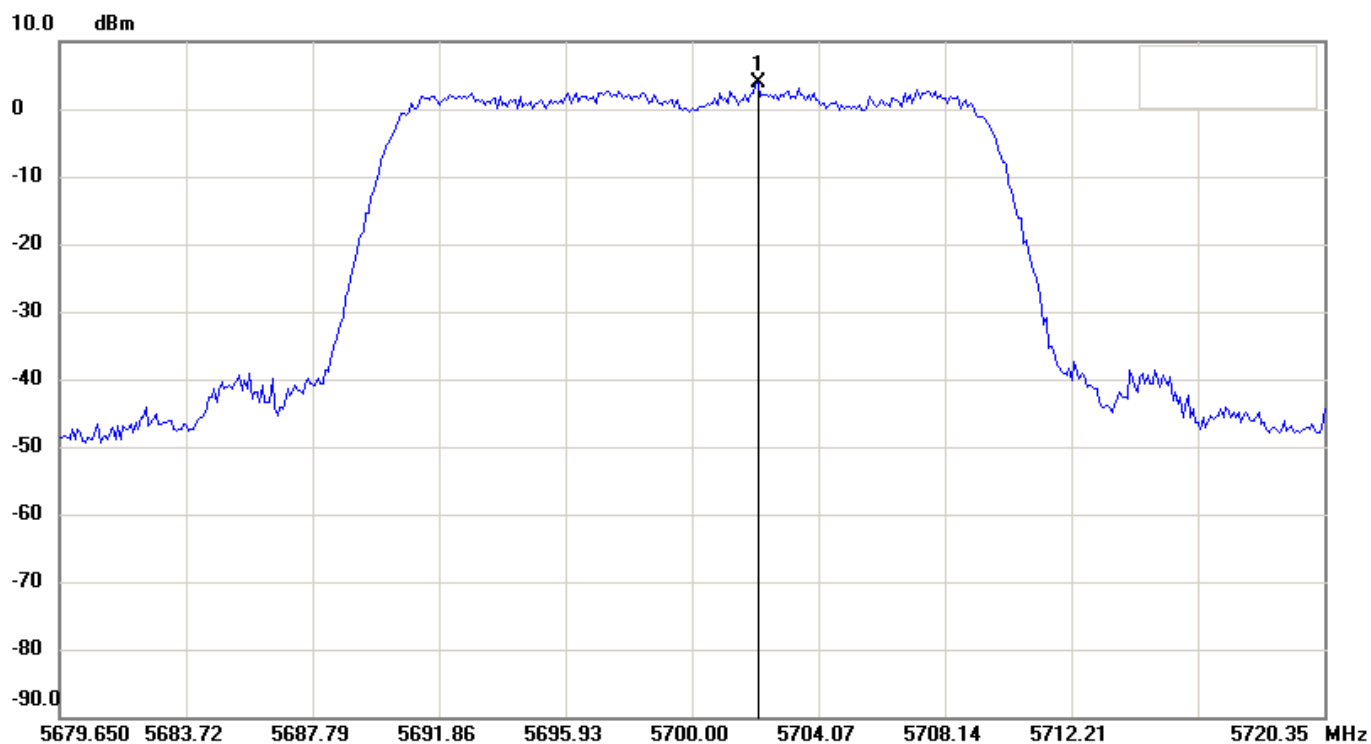
File: 20-10-MAS-019_5-6ax20_ANT2
 Site: RF-Cond01

#17

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20_Channel 140_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5702.11640	3.85

8.4.2.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

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 6.64 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)		Total Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
	Chain 0	Chain 1			
L	4.28	3.08	6.73	10.36	-
M	5.10	3.22	7.27	10.36	-
H	4.69	3.85	7.30	10.36	-

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

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

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

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

8.4.3 調變技術: IEEE 802.11ax (40MHz)

8.4.3.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

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	2.55	11.0	Page 152
M	2.08	11.0	Page 153
H	1.92	11.0	Page 154

註: 1. 繪圖資料請參考第 152-154 頁。

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

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

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

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

File: 20-10-MAS-019_5-6ax40_ANT1

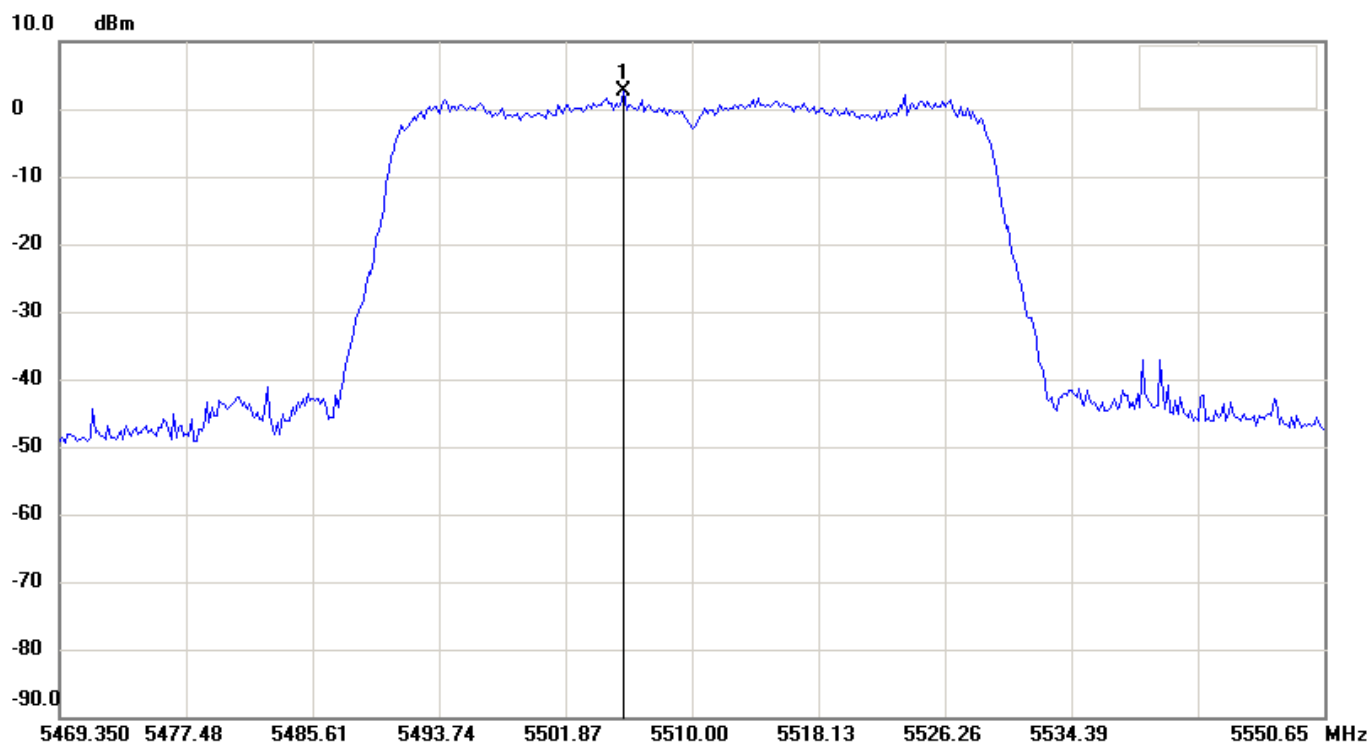
#4

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 102_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5505.60980	2.55

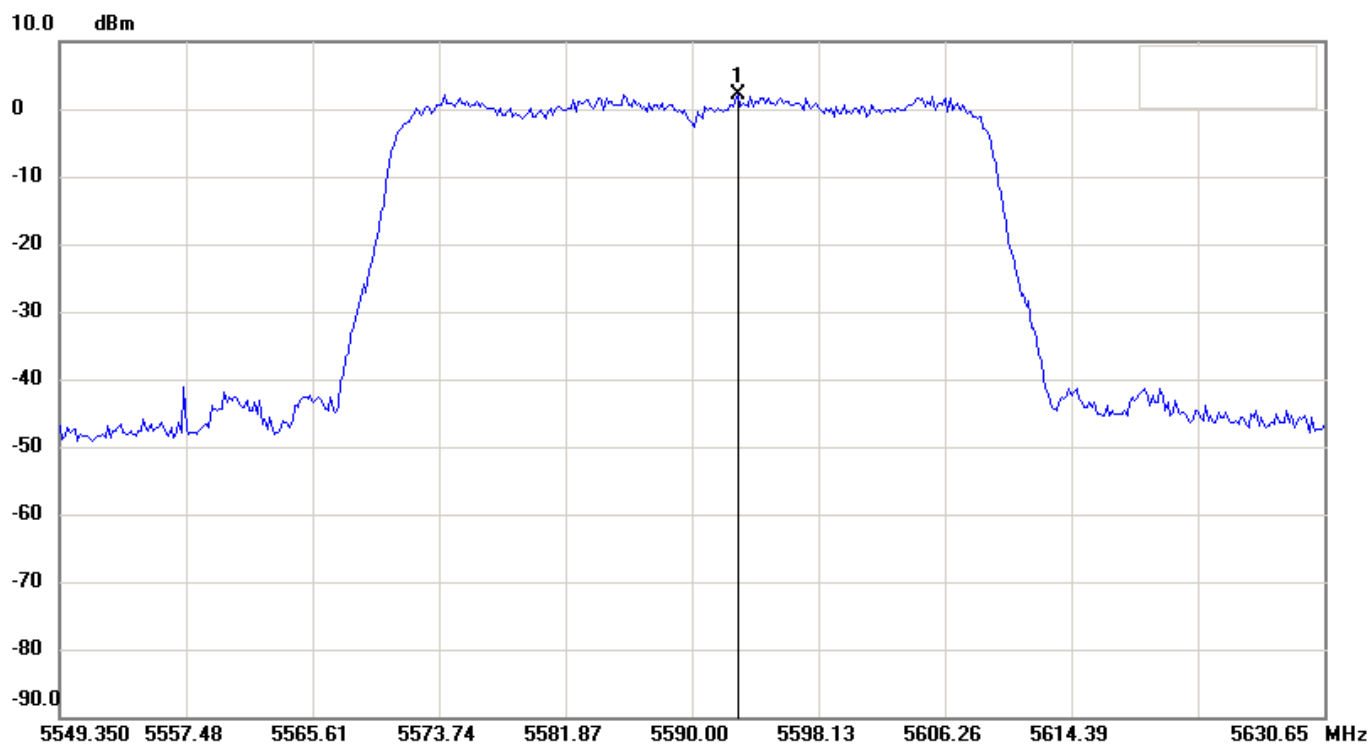
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#11

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 118_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5592.92680	2.08

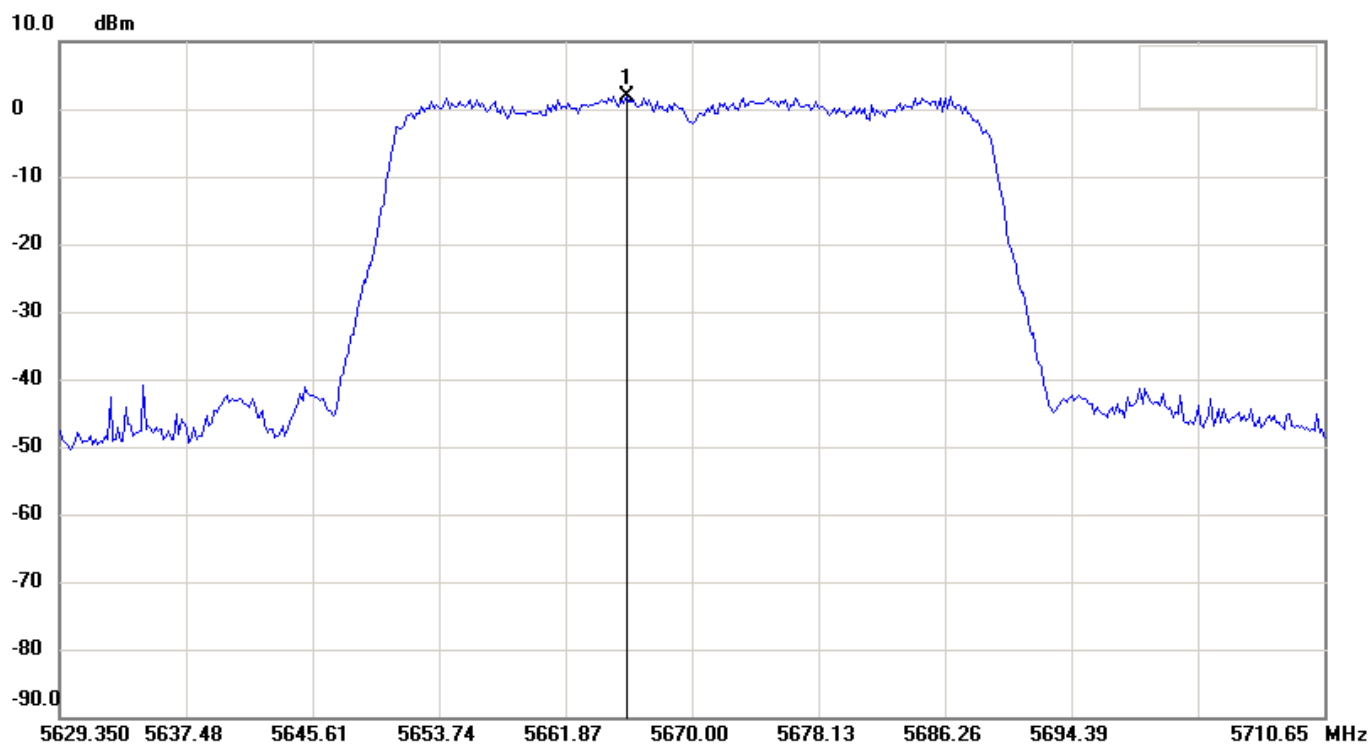
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#17

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 134_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5665.77240	1.92

8.4.3.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 2 dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	0.25	11.0	Page 156
M	0.86	11.0	Page 157
H	1.11	11.0	Page 158

註：1. 繪圖資料請參考第 156-158 頁。

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

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

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

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

File: 20-10-MAS-019_5-6ax40_ANT2

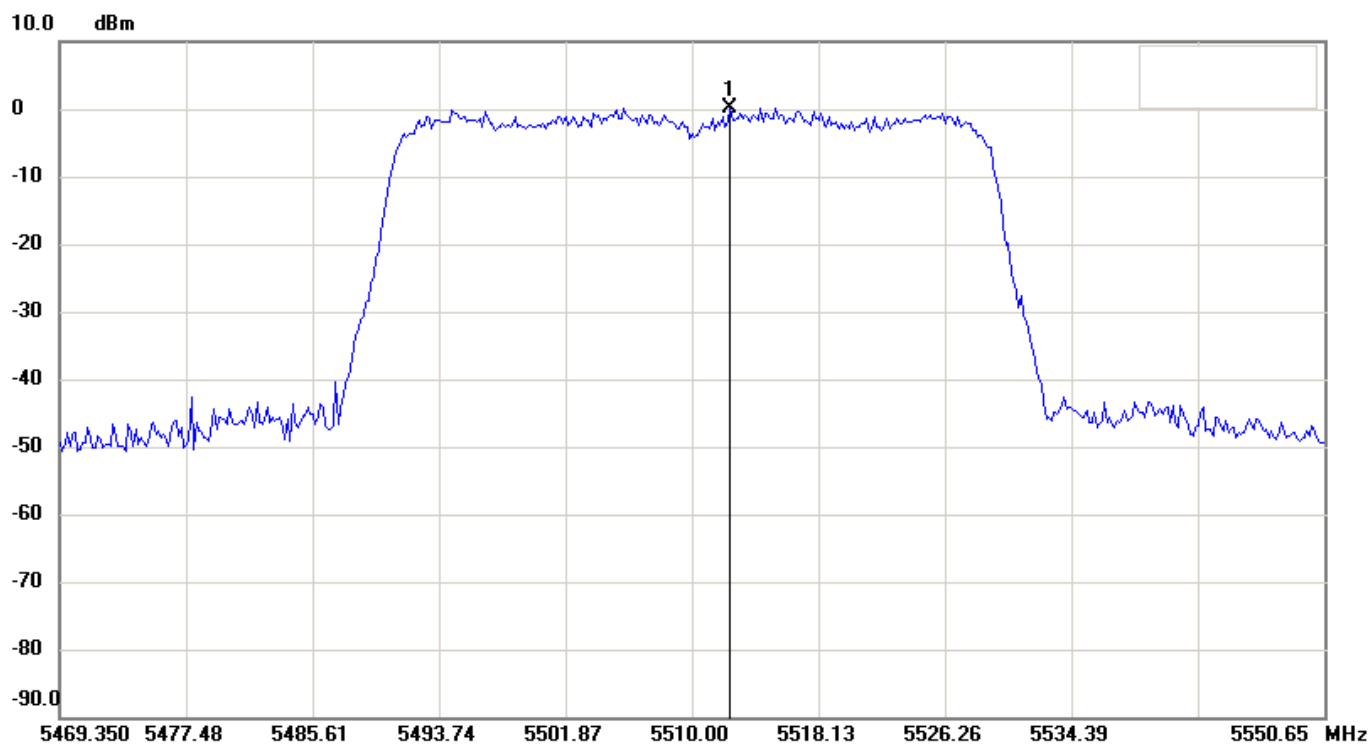
#4

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 102_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5512.43900	0.25

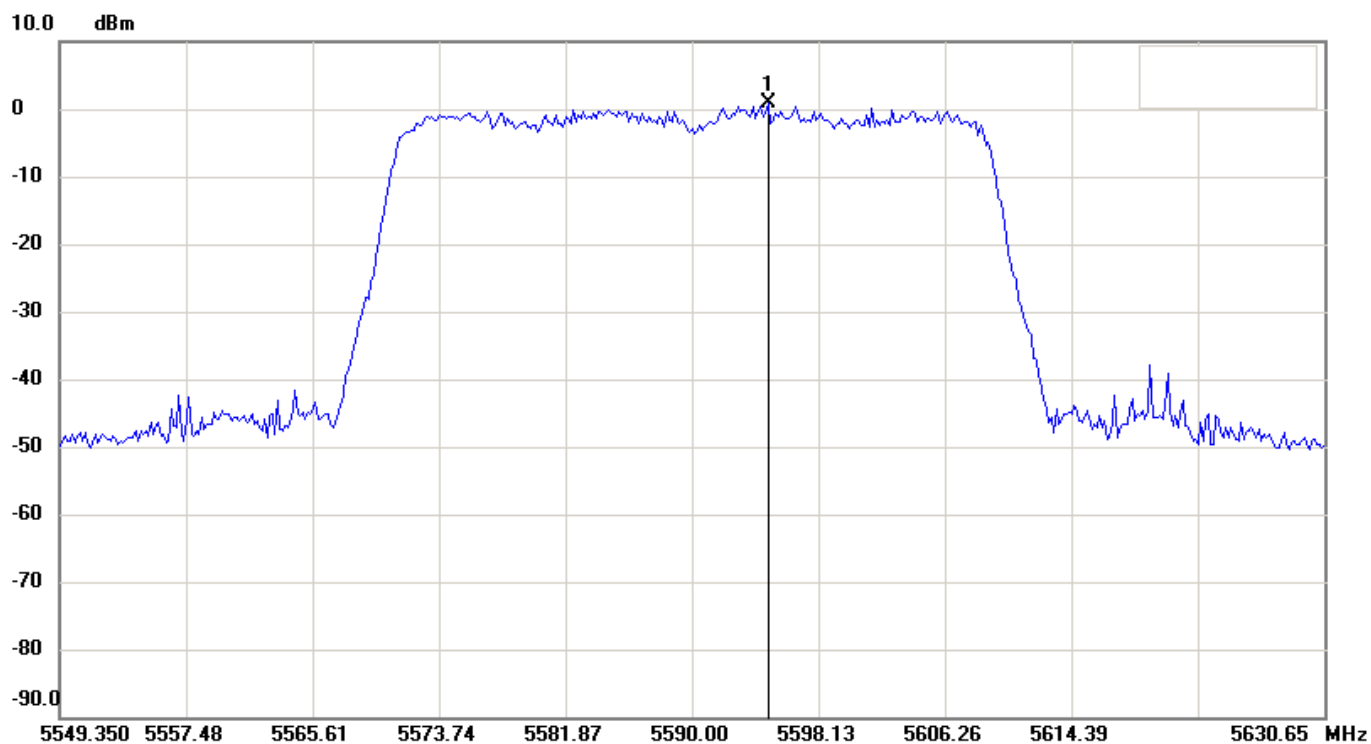
File: 20-10-MAS-019_5-6ax40_ANT2
 Site: RF-Cond01

#11

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax40_Channel 118_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5594.87800	0.86

File: 20-10-MAS-019_5-6ax40_ANT2

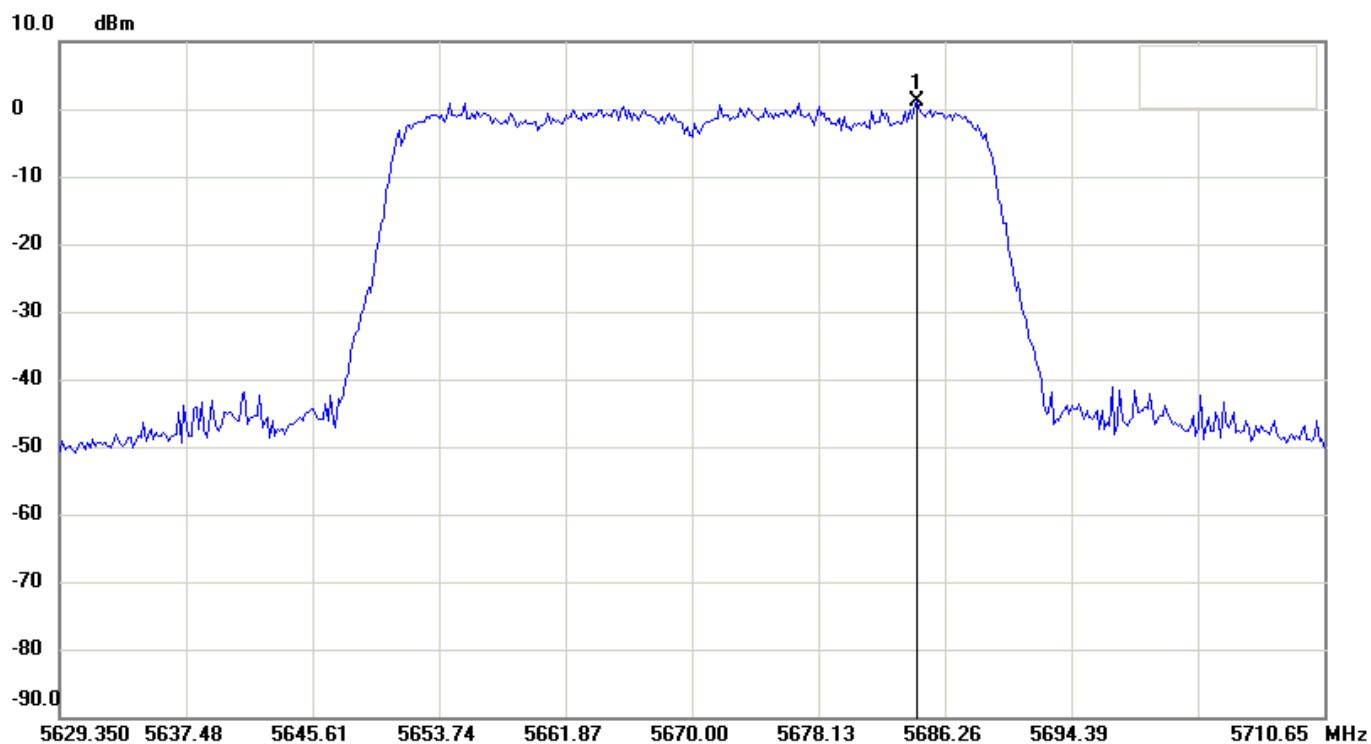
#17

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax40_Channel 134_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5684.47140	1.11

8.4.3.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

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 6.64 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	2.55	0.25	4.56	10.36	-
M	2.08	0.86	4.52	10.36	-
H	1.92	1.11	4.54	10.36	-

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

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

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

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

8.4.4 調變技術: IEEE 802.11ax (80MHz)

8.4.4.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 5 dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-1.31	11.00	Page 161
H	-1.21	11.00	Page 162

註：1. 繪圖資料請參考第 161-162 頁。

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

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

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

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

8.5 結果判定

高、中、低頻段的峰值功率頻譜密度皆低於限值，合乎標準規定。

File: 20-10-MAS-019_5-6ax80_ANT1

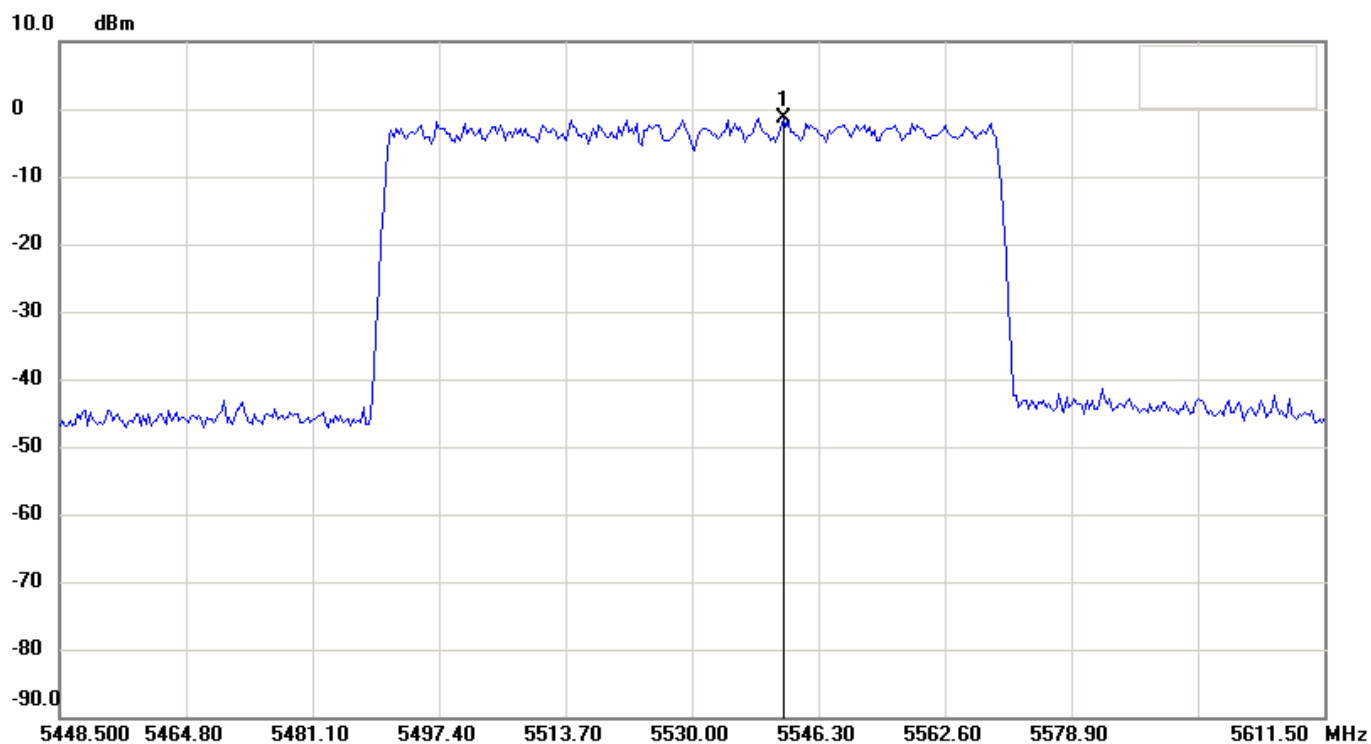
#4

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 106_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5541.73600	-1.31

File: 20-10-MAS-019_5-6ax80_ANT1

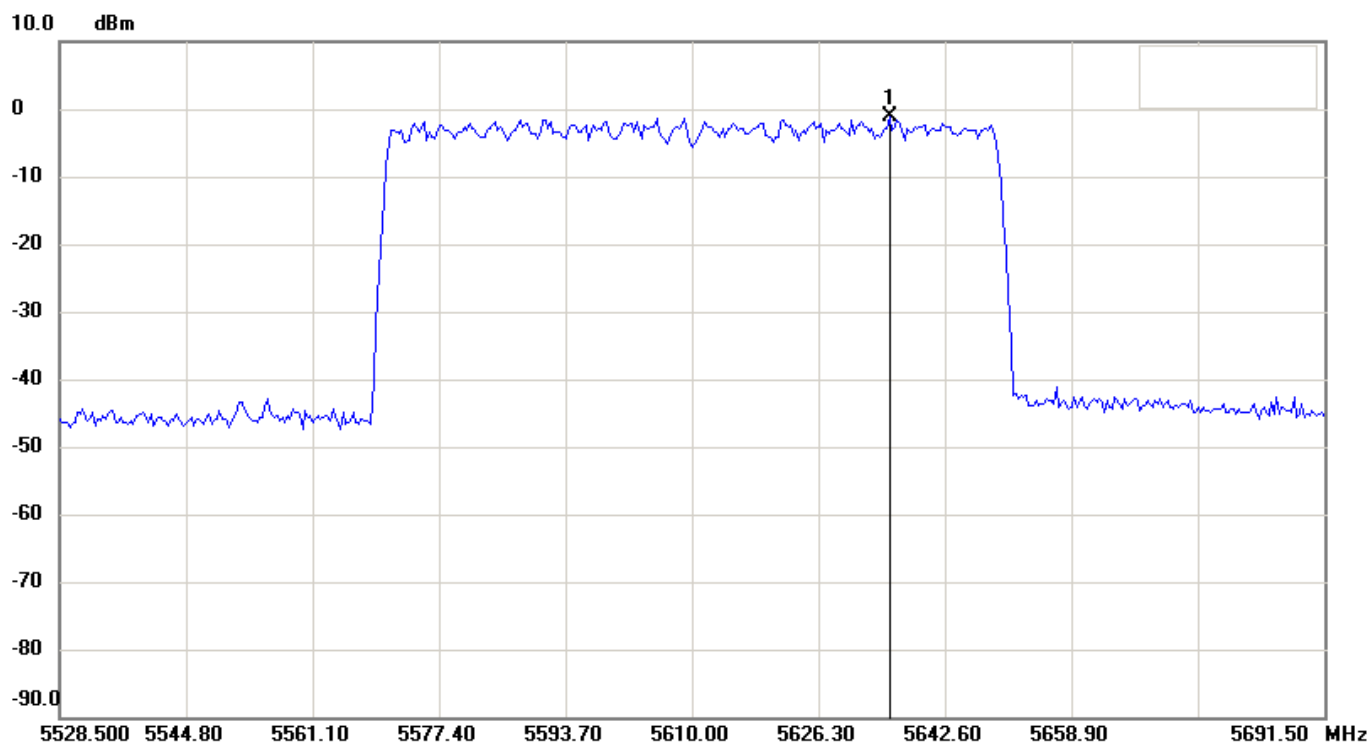
#11

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 122_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5635.42800	-1.21

8.4.4.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

天線增益最大值為 3.dBi，NCC Limit 如下表所示：

Channel	Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-1.92	11.00	Page 164
H	-2.58	11.00	Page 165

註：1. 繪圖資料請參考第 164-165 頁。

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

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

File: 20-10-MAS-019_5-6ax80_ANT2

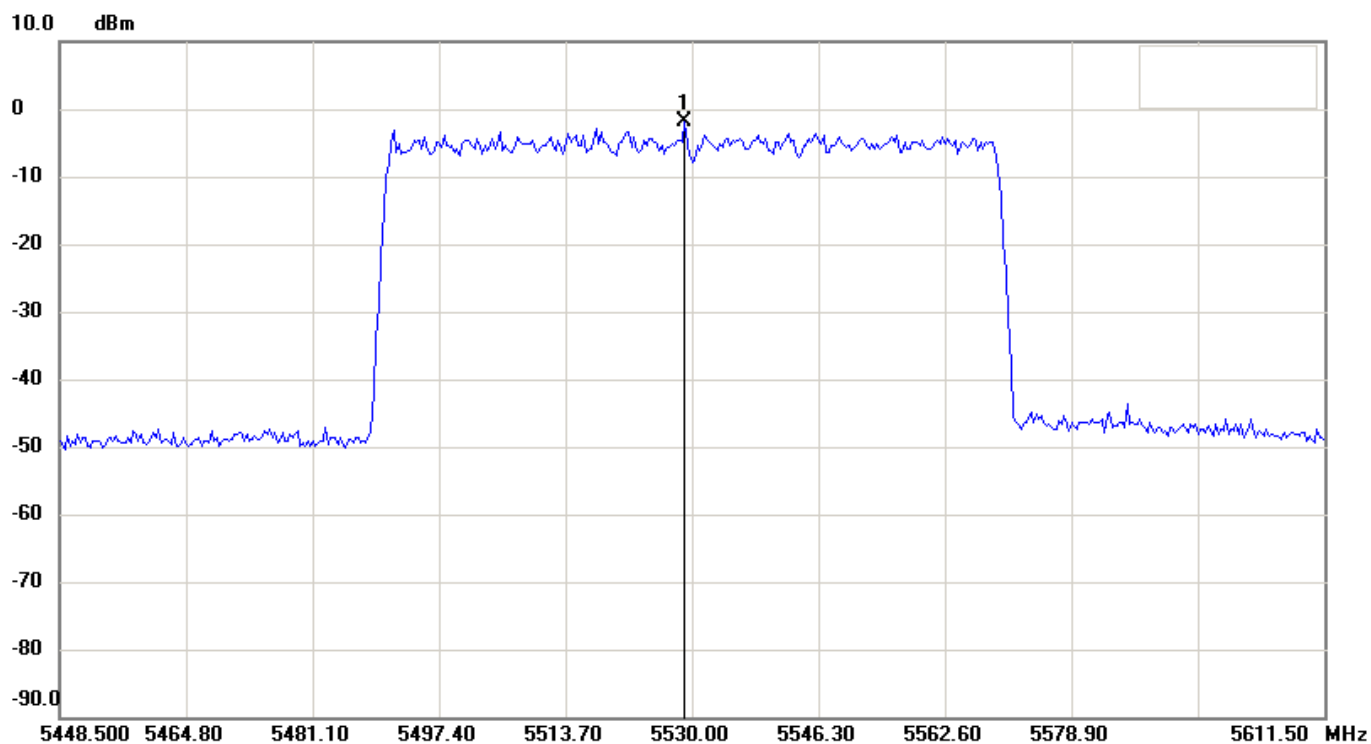
#4

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: NCC_LP0002_802.11ax80_Channel 106_Power Density

RF Conducted

Sweep Time: 1ms Att.: 15dB

RBW: 1000 KHz VBW: 3000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	5529.02200	-1.92

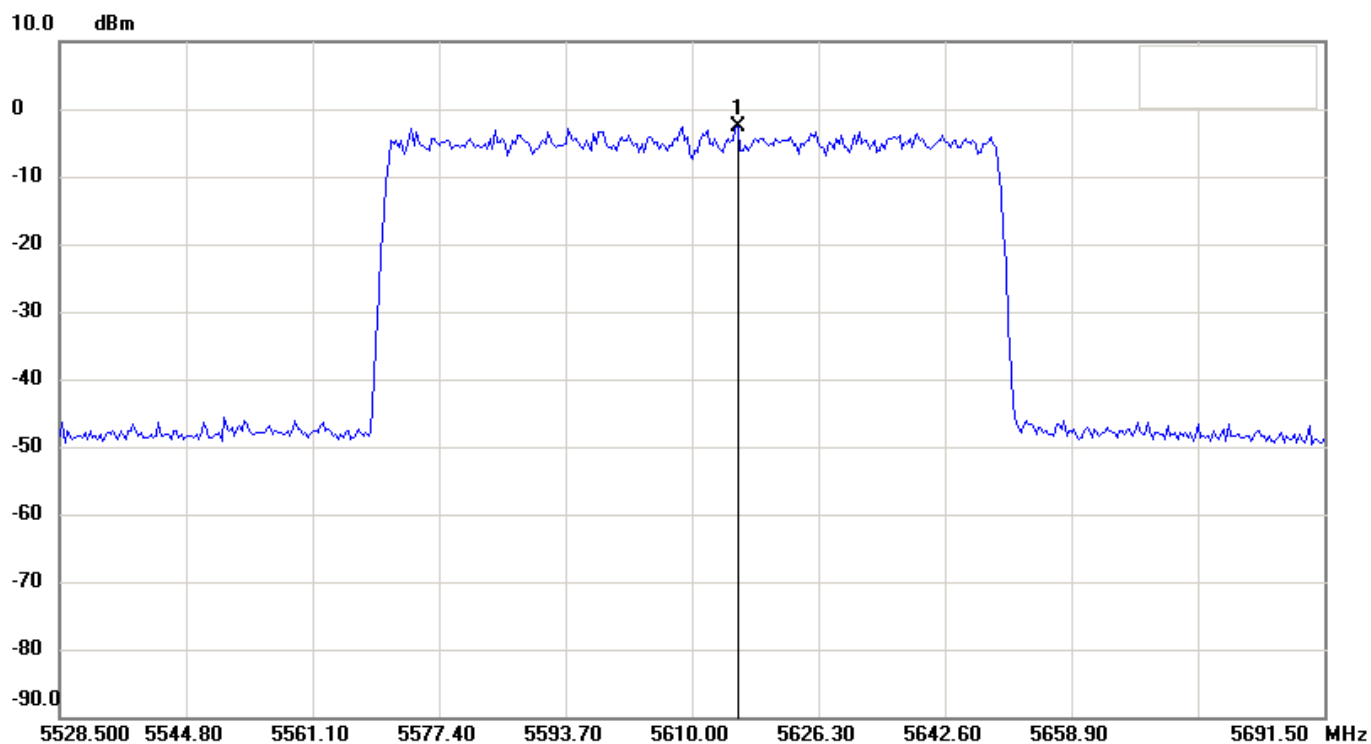
File: 20-10-MAS-019_5-6ax80_ANT2
Site: RF-Cond01

#11

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %

**Condition:**

EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 122_Power Density

RF Conducted

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

No.	Frequency(MHz)	Level(dBm)
1	5615.86800	-2.58

8.4.4.3 CHAIN 0 + CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

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 6.64 dBi，NCC Limit 如下表所示：

Channel	Peak Power Spectral Density (dBm)		Total Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
	Chain 0	Chain 1			
L	-1.31	-1.92	1.41	10.36	-
H	-1.21	-2.58	1.17	10.36	-

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

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

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

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

8.5 結果判定

高、中、低頻段的峰值功率頻譜密度皆低於限值，合乎標準規定。

9 混附波發射限制之量測

9.1 適用標準

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.1之規定，在 5.15 GHz~5.35 GHz 及 5.470 GHz~5.725 GHz 頻帶操作的發射器：帶外發射之有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.3之規定，測量不必要發射時，應使用之最低解析頻寬為 1 MHz。必要時，於頻帶邊緣附近可使用小於 1 MHz 之解析頻寬，並以補償方式計算其總值。

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	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

9.4 混附波發射限制之量測結果 (傳導方式量測)

Single Conducted Limit:

Eirp Limit – Aantenna Directional Gain – 10 log[number of Tx output(s)]

測試工程師: 羅世勇

9.4.1 調變技術: IEEE 802.11a

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

註：1. 繪圖資料請參考第 168-173 頁。

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

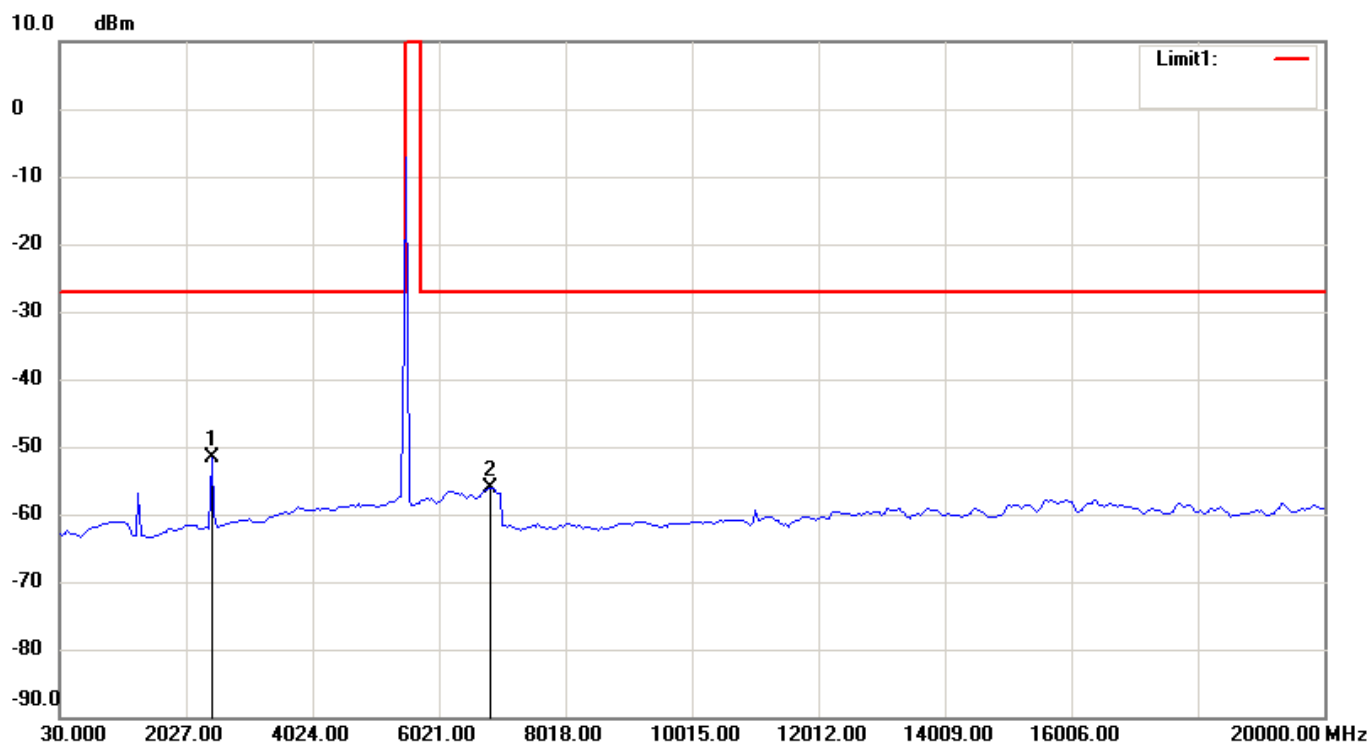
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#5

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 100_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.70
2	6819.80000	-56.08

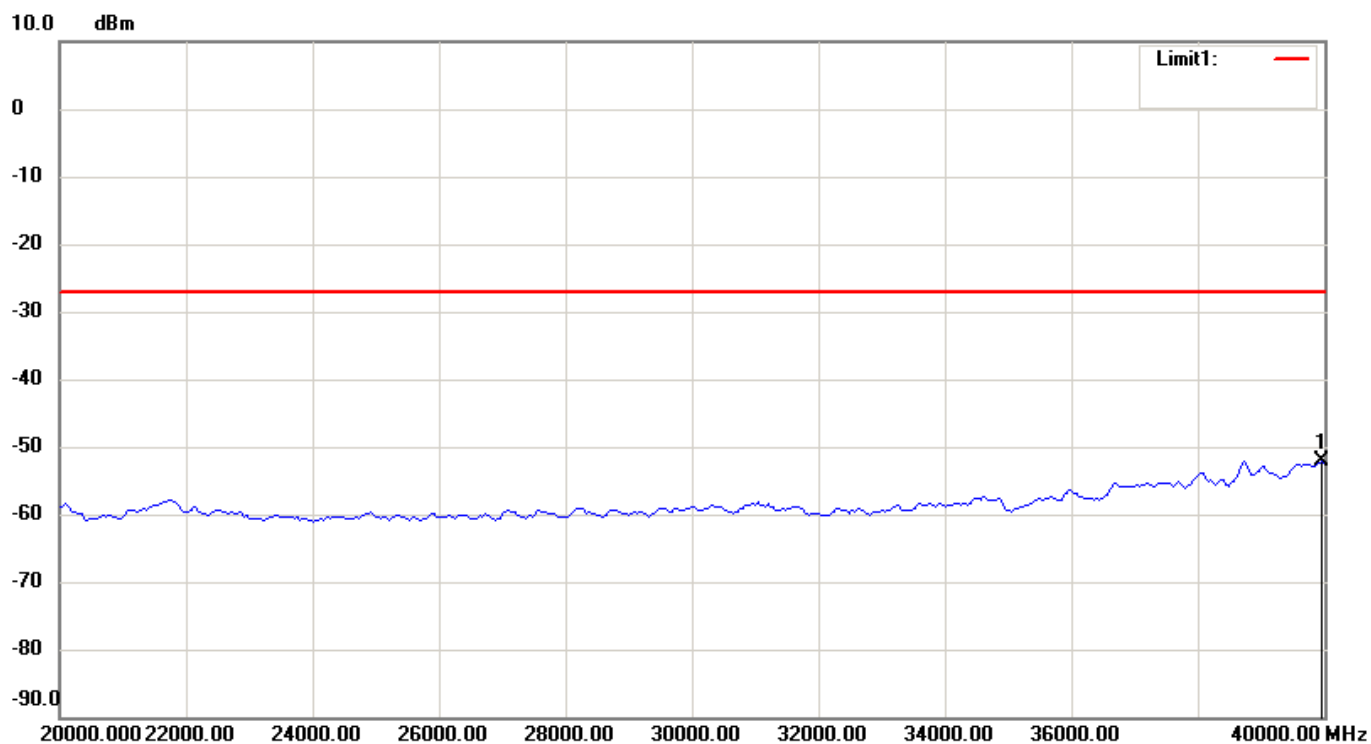
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#6

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 100_Spurious-2

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

No.	Frequency(MHz)	Level(dBm)
1	39960.00000	-52.14

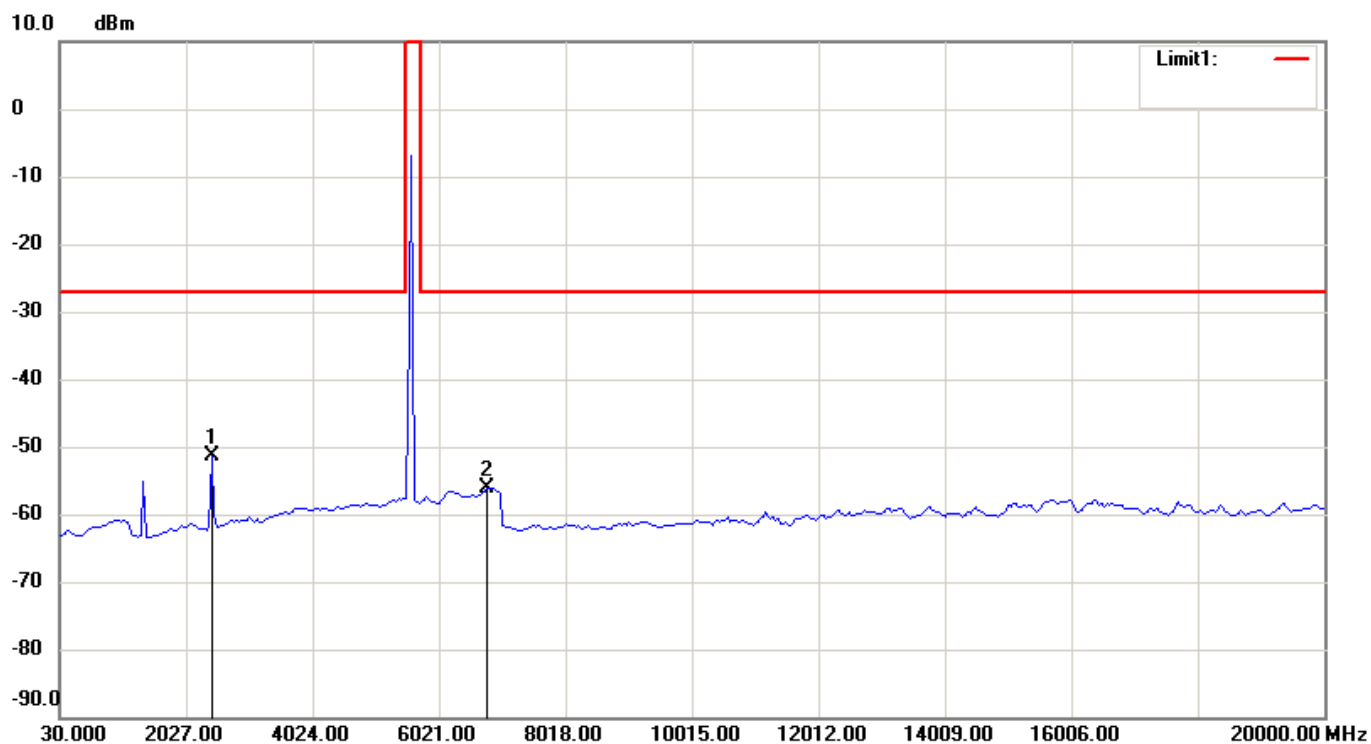
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#12

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 116_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.34
2	6779.86000	-56.18

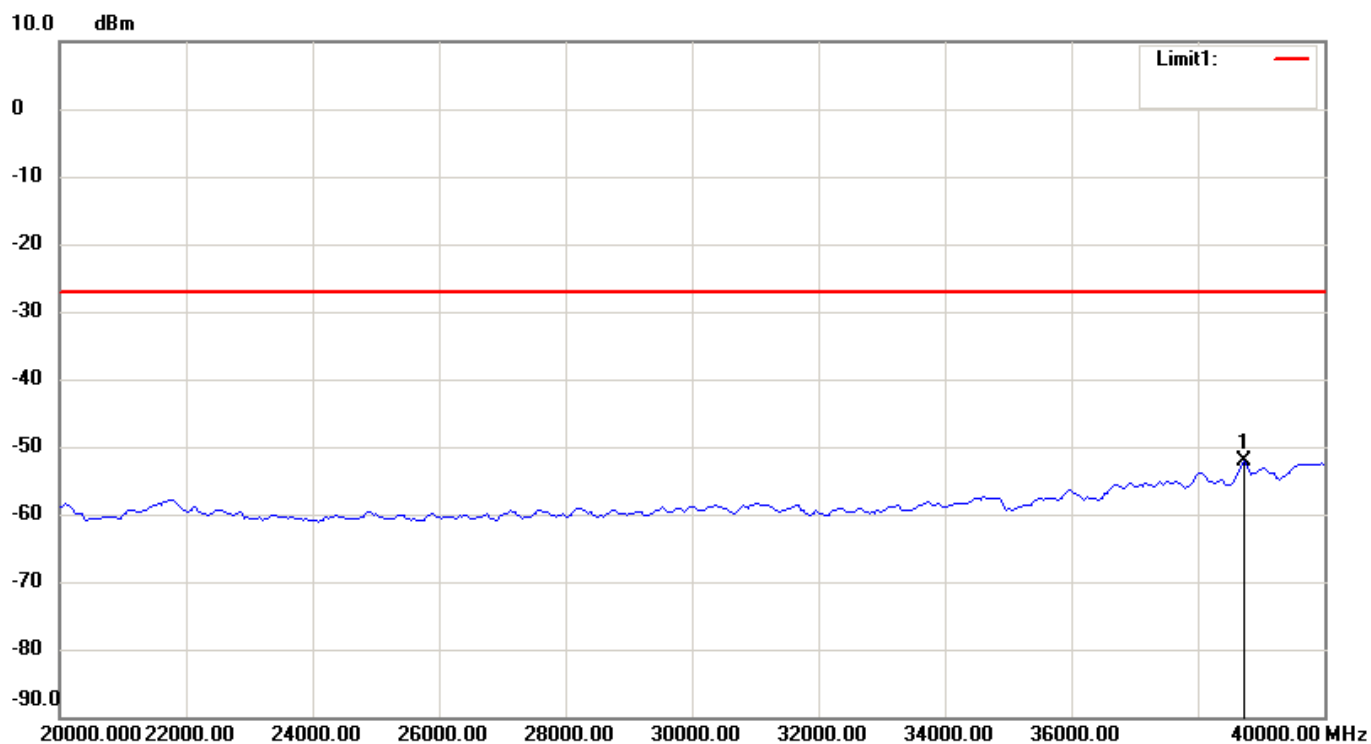
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 116_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	-52.18

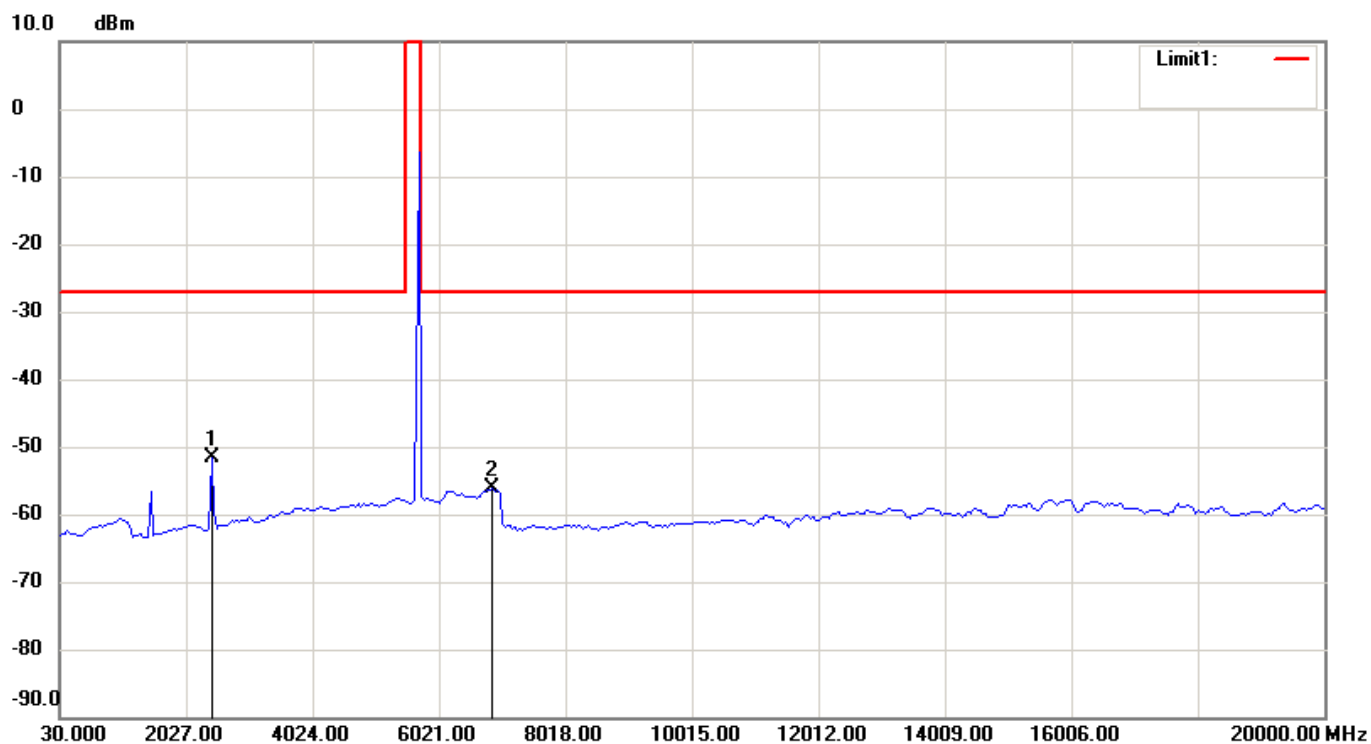
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#18

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 140_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.60
2	6859.74000	-56.19

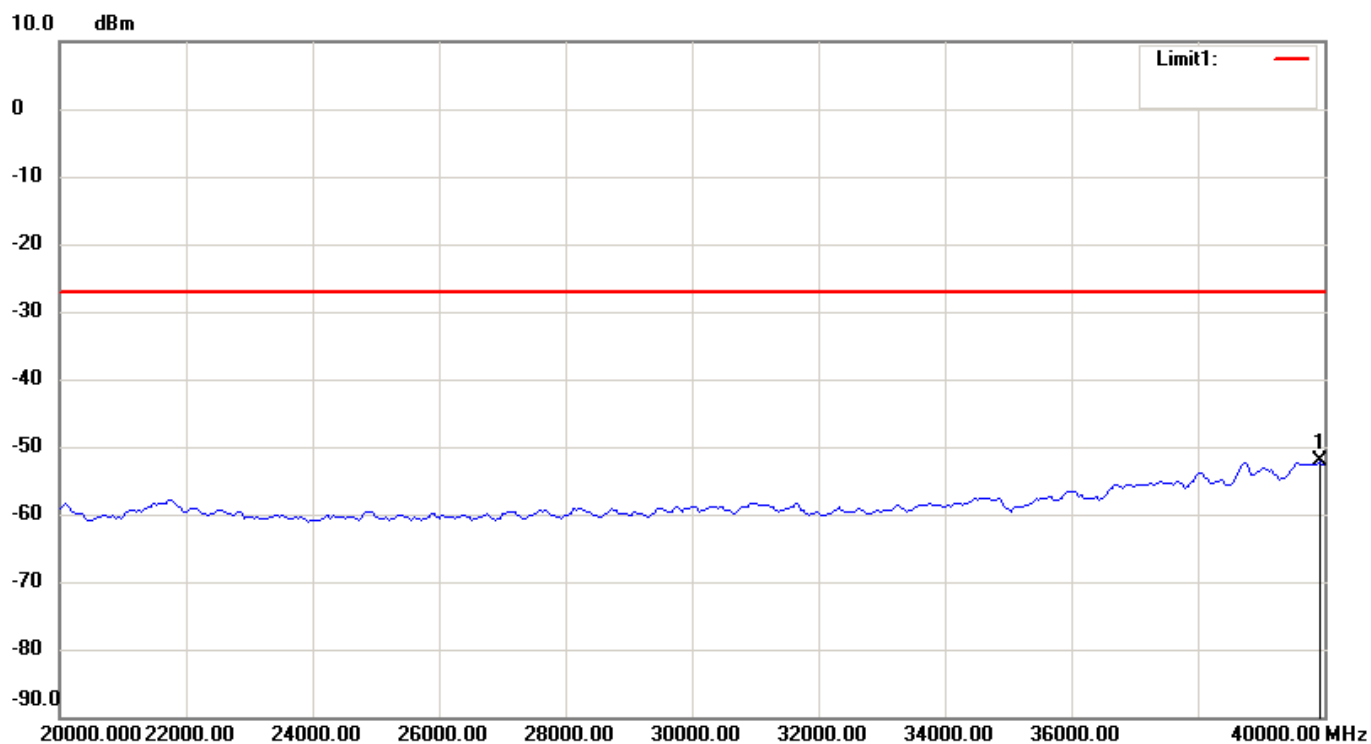
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#19

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a_Channel 140_Spurious-2

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

No.	Frequency(MHz)	Level(dBm)
1	39920.00000	-52.24

9.4.2 調變技術: IEEE 802.11ax (20MHz)

9.4.2.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

註: 1. 繪圖資料請參考第 175-180 頁。

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

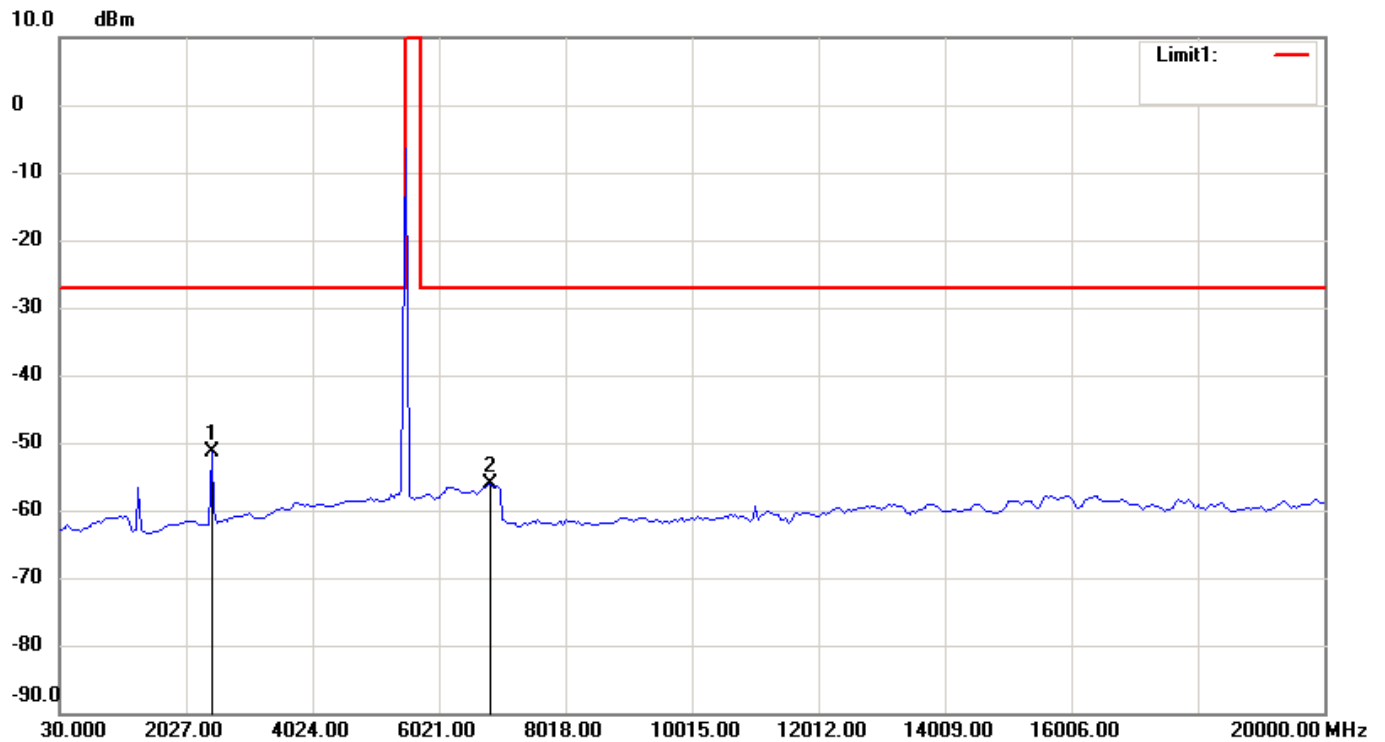
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#5

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 100_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.26
2	6819.80000	-56.09

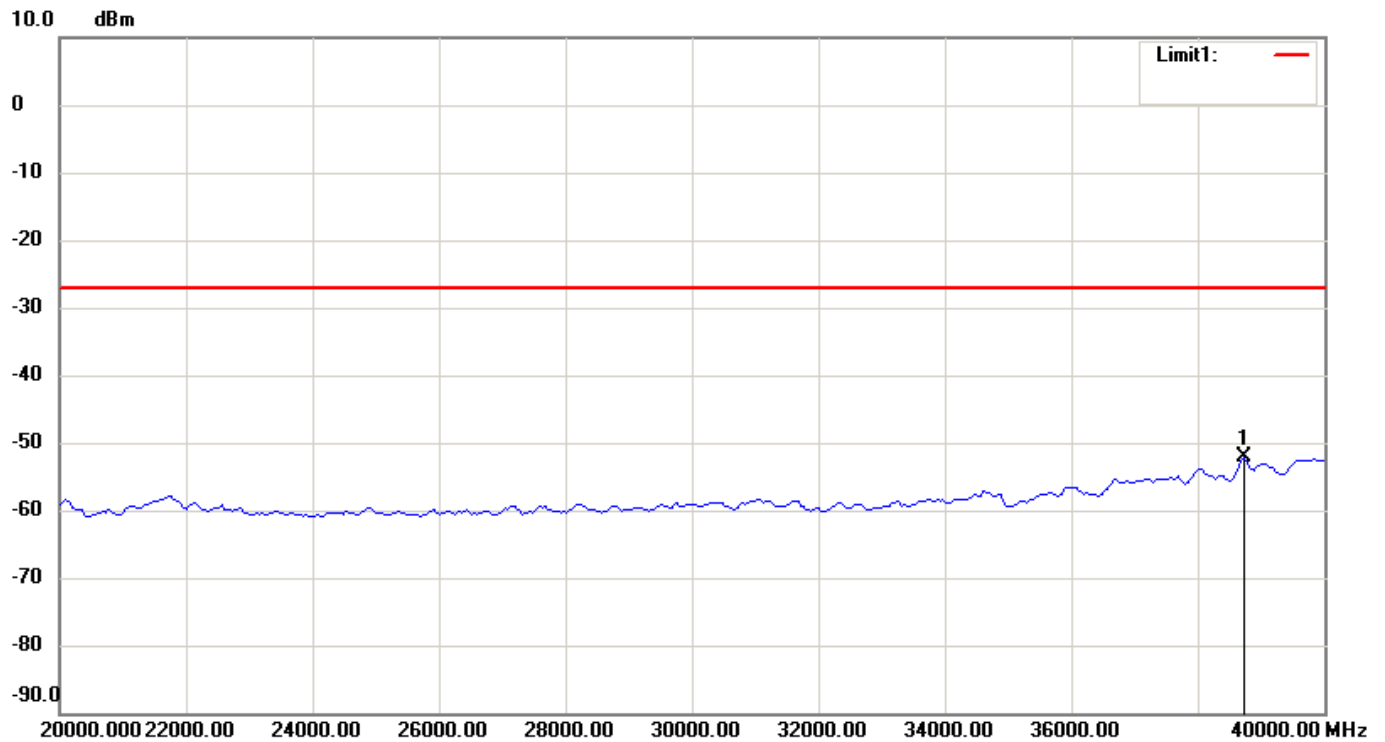
File: 20-10-MAS-019_5-6ax20_ANT1
 Site: RF-Cond01

#6

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20_Channel 100_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	-52.23

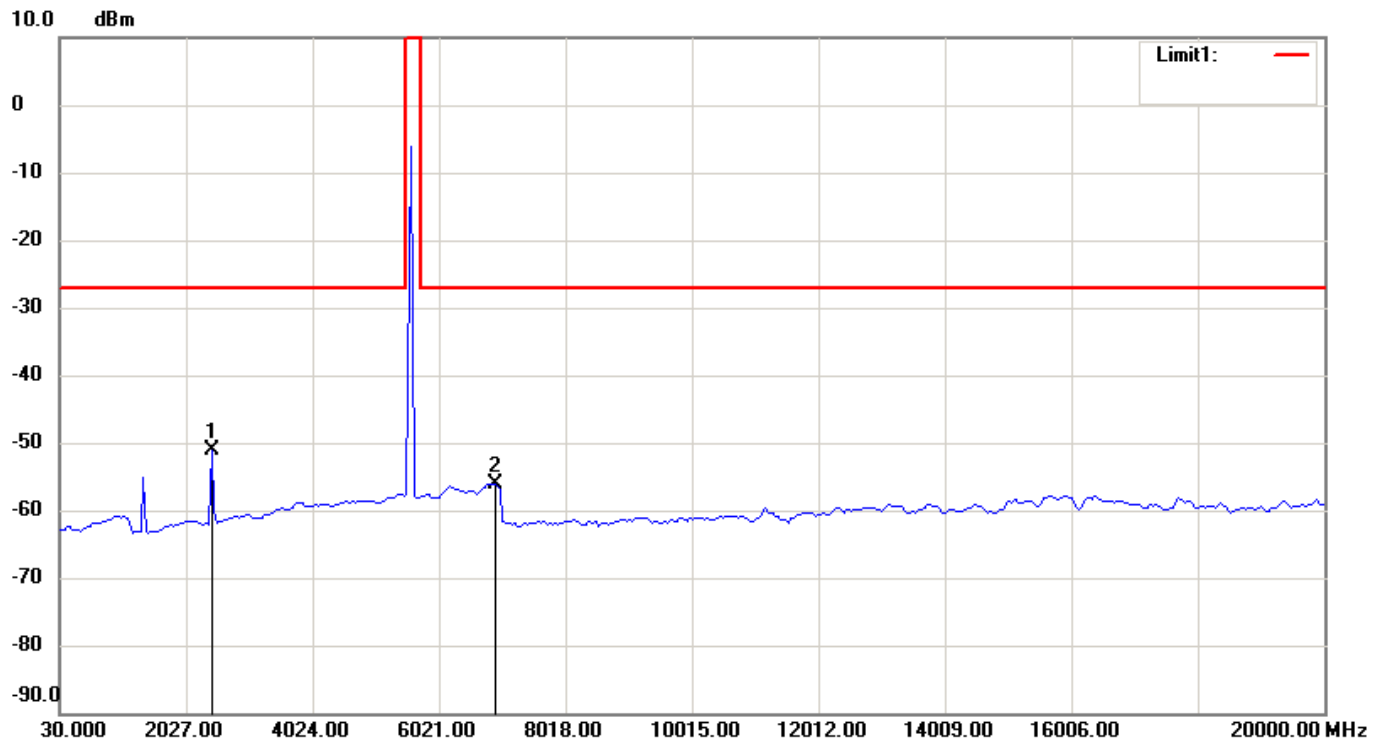
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#12

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 116_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.13
2	6899.68000	-56.13

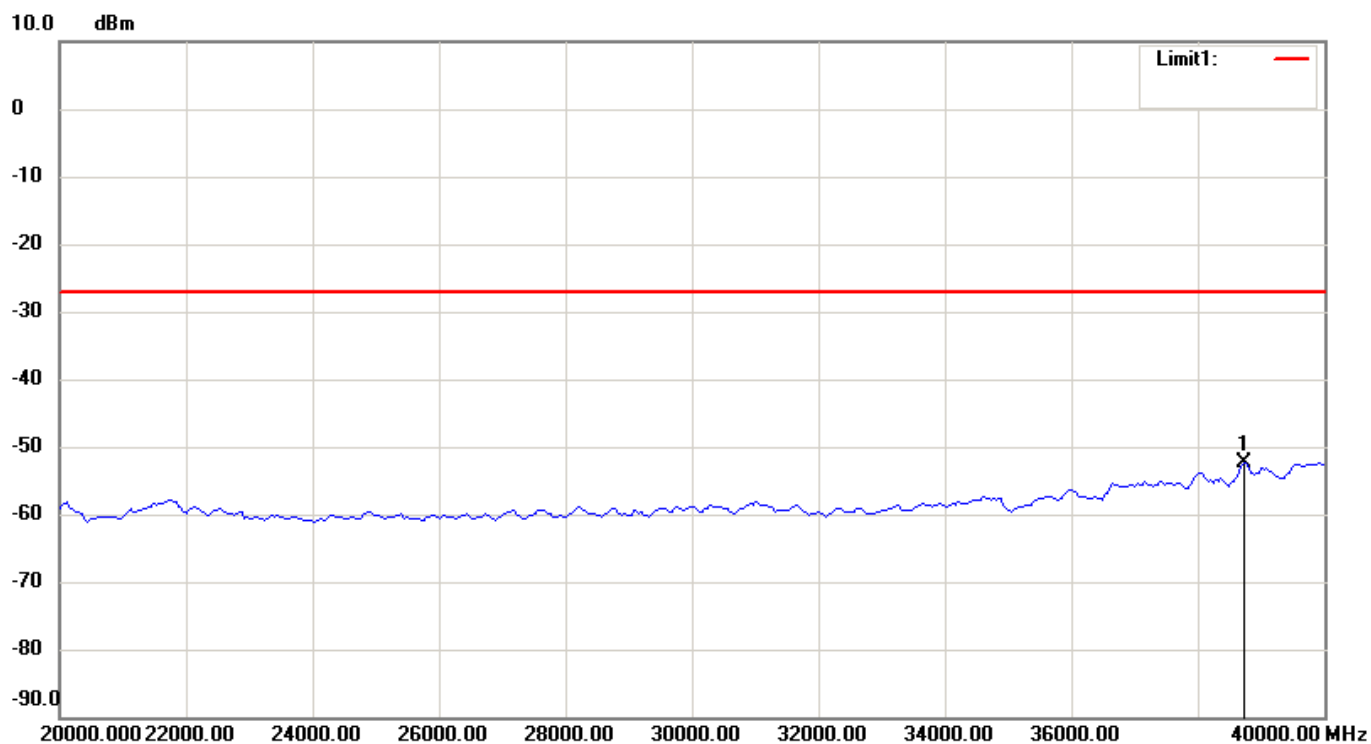
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 116_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	-52.28

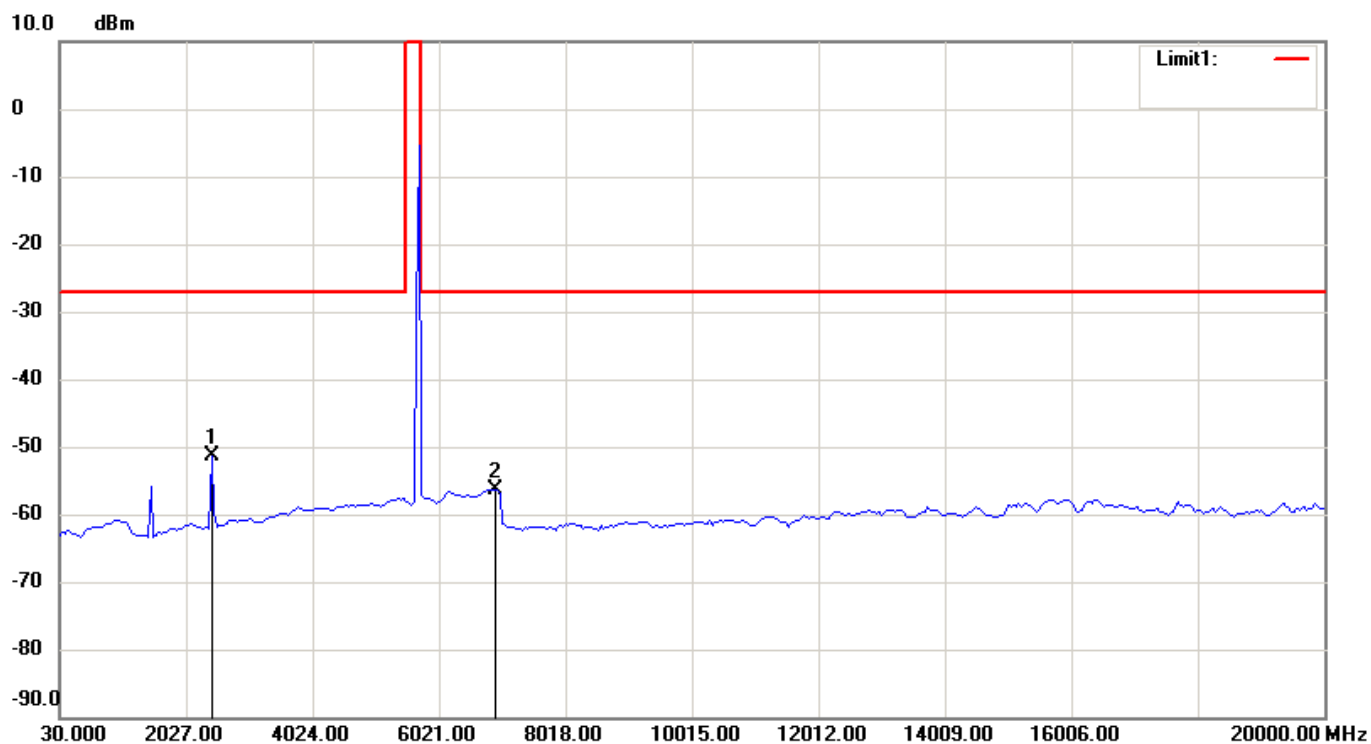
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#18

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 140_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.43
2	6899.68000	-56.25

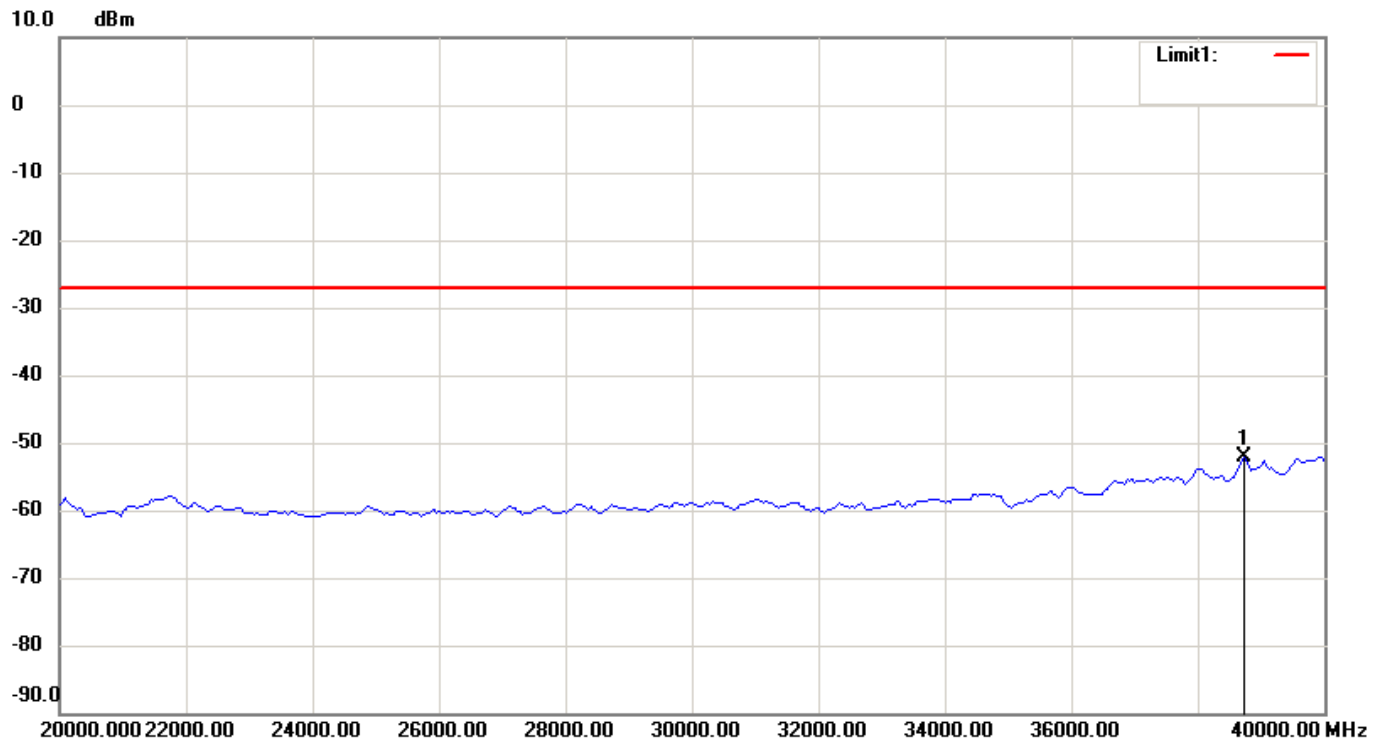
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#19

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 140_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	-52.05

9.4.2.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

註：1. 繪圖資料請參考第 182-187 頁。

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

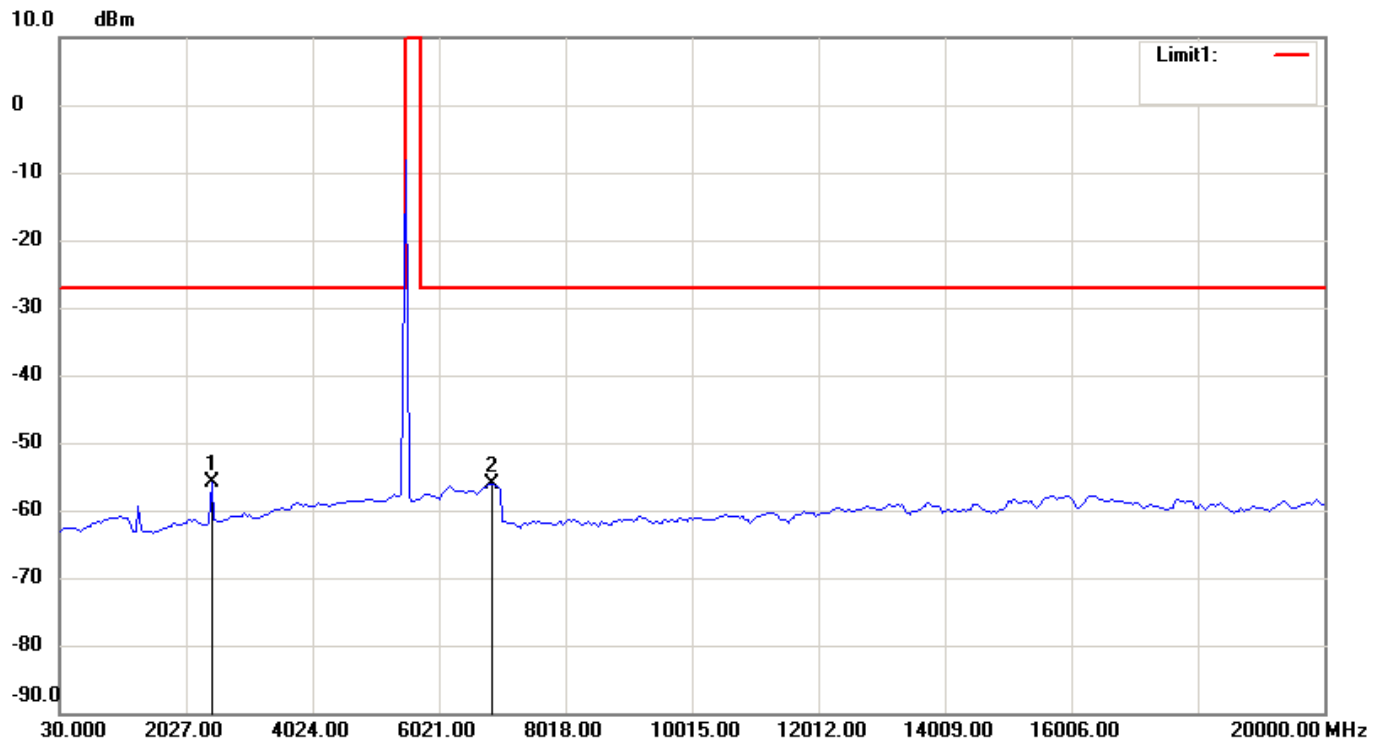
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#5

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 100_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-55.86
2	6859.74000	-56.02

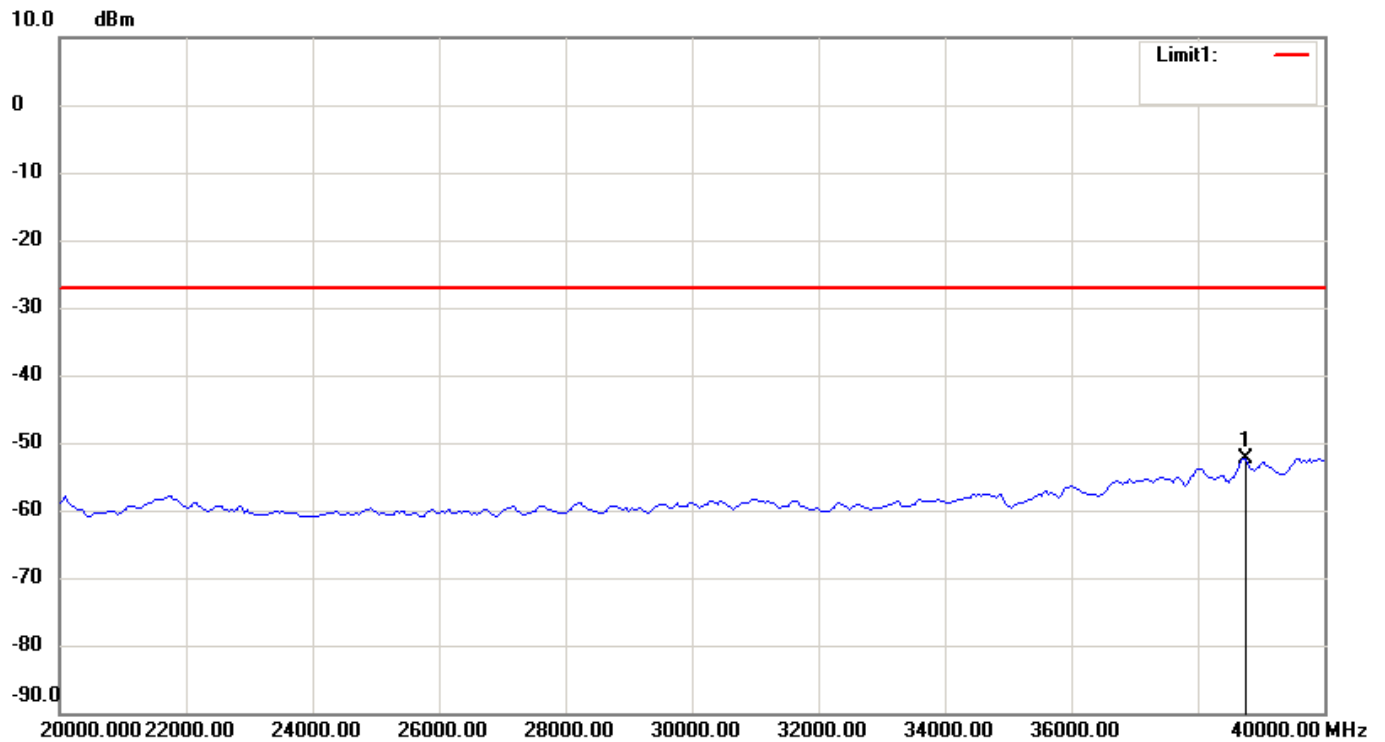
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#6

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 100_Spurious-2

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

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.26

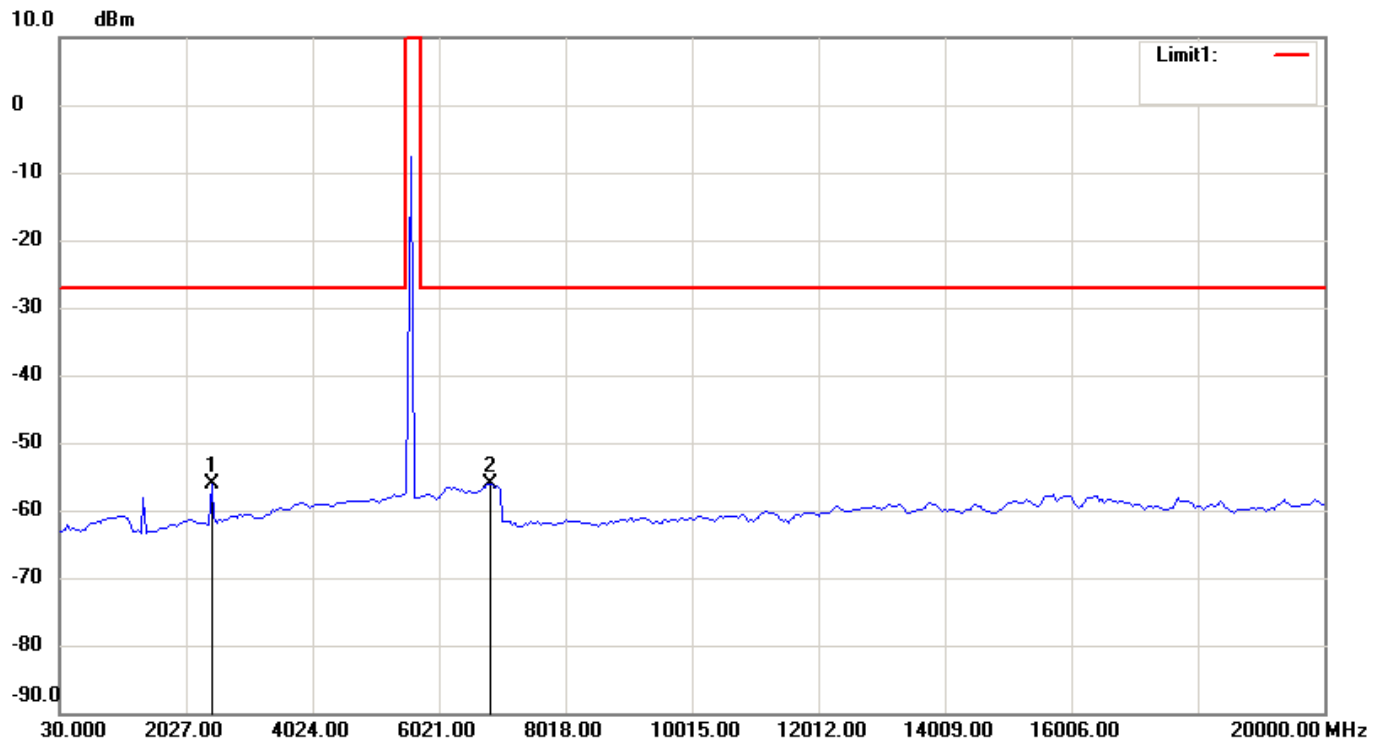
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#12

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 116_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-56.24
2	6819.80000	-56.12

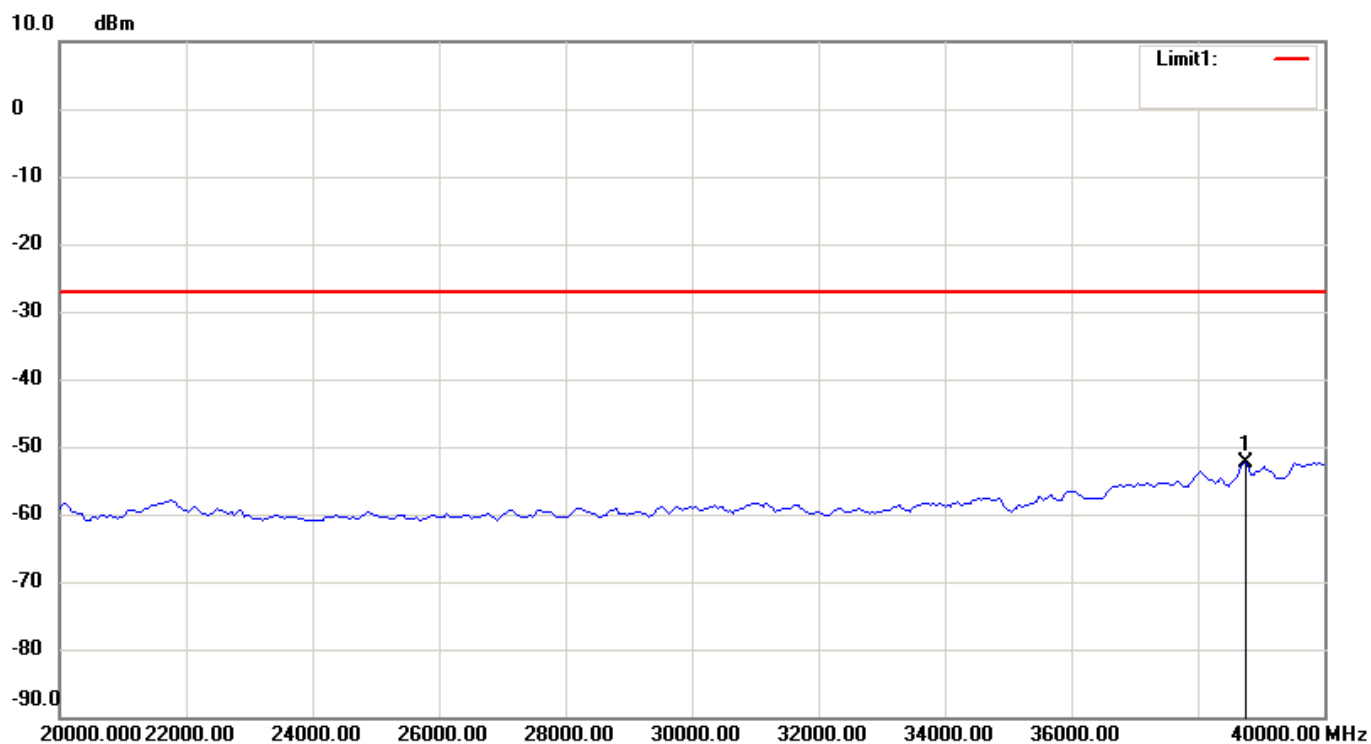
File: 20-10-MAS-019_5-6ax20_ANT2
 Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20_Channel 116_Spurious-2

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

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.34

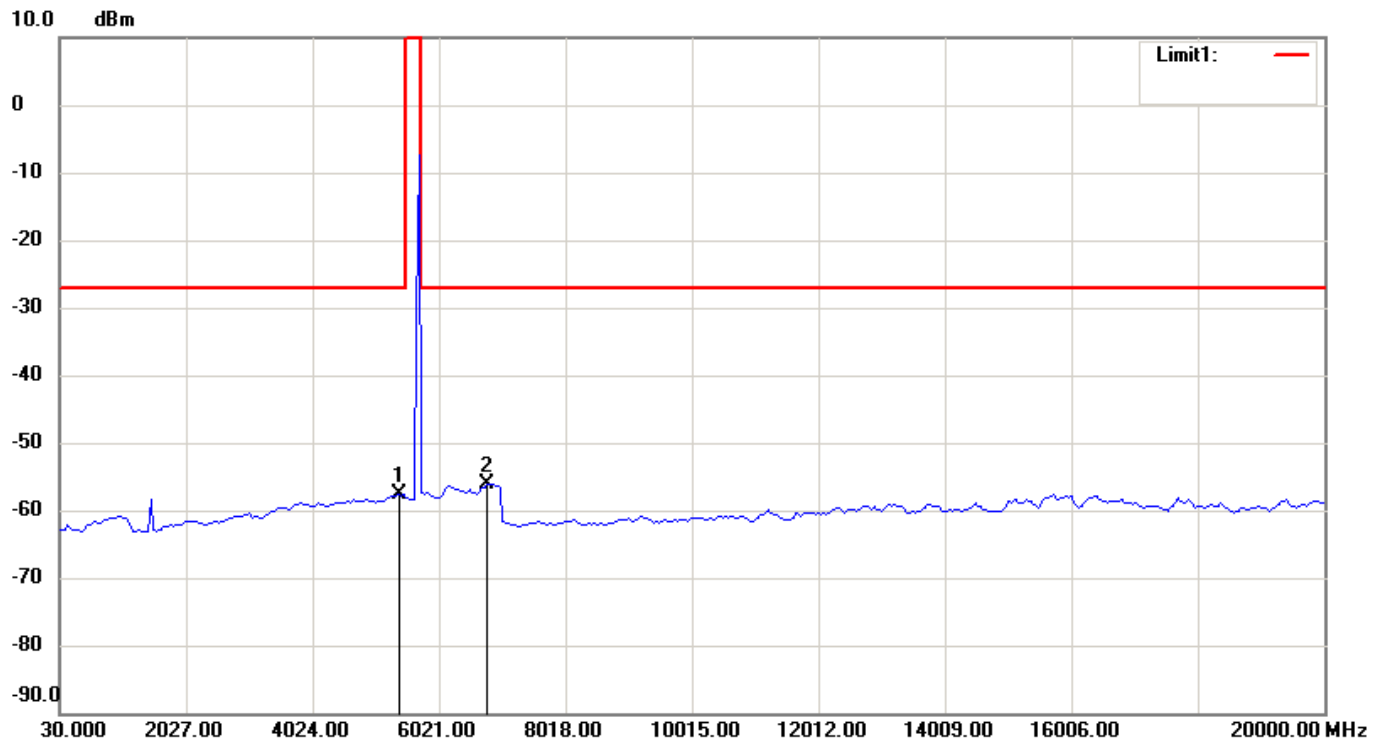
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#18

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 140_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	5381.96000	-57.72
2	6779.86000	-56.16

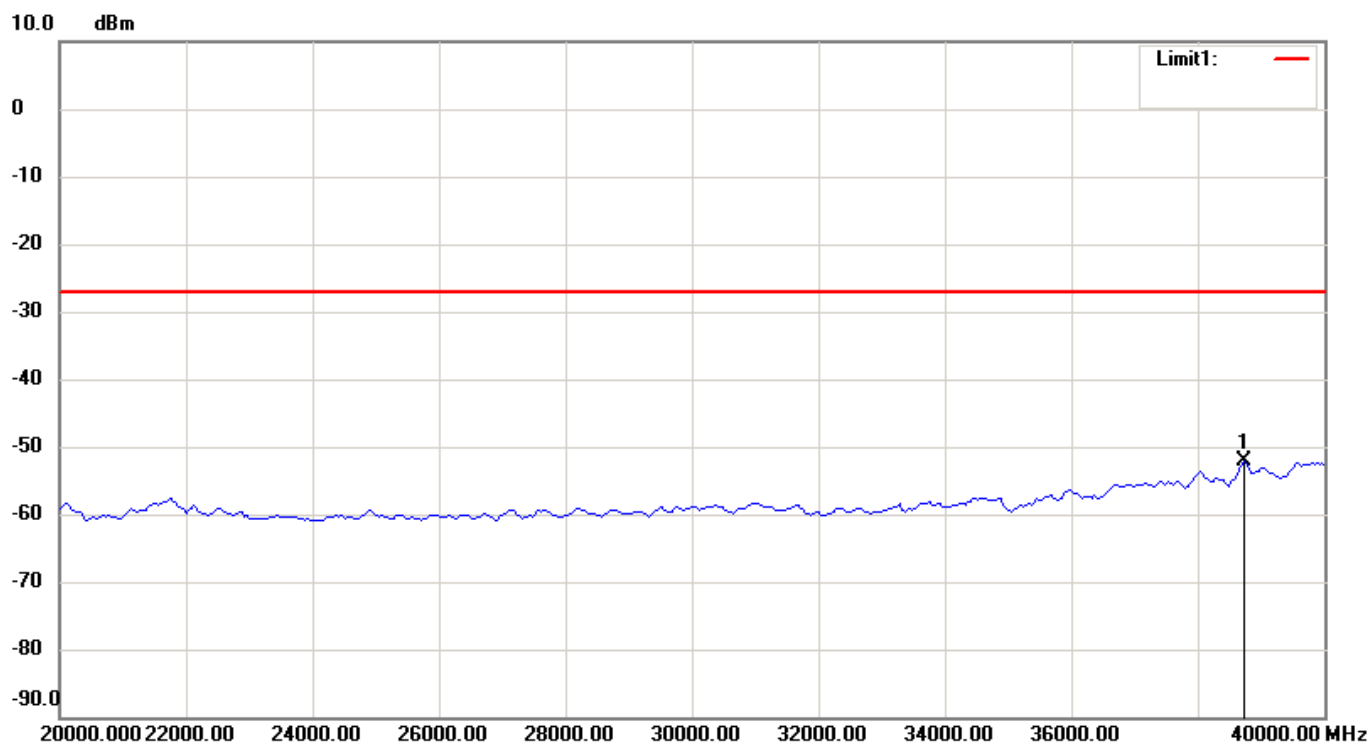
File: 20-10-MAS-019_5-6ax20_ANT2
Site: RF-Cond01

#19

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20_Channel 140_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	-52.13

9.4.3 調變技術: IEEE 802.11ax (40MHz)

9.4.3.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

註: 1. 繪圖資料請參考第 189-194 頁。

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

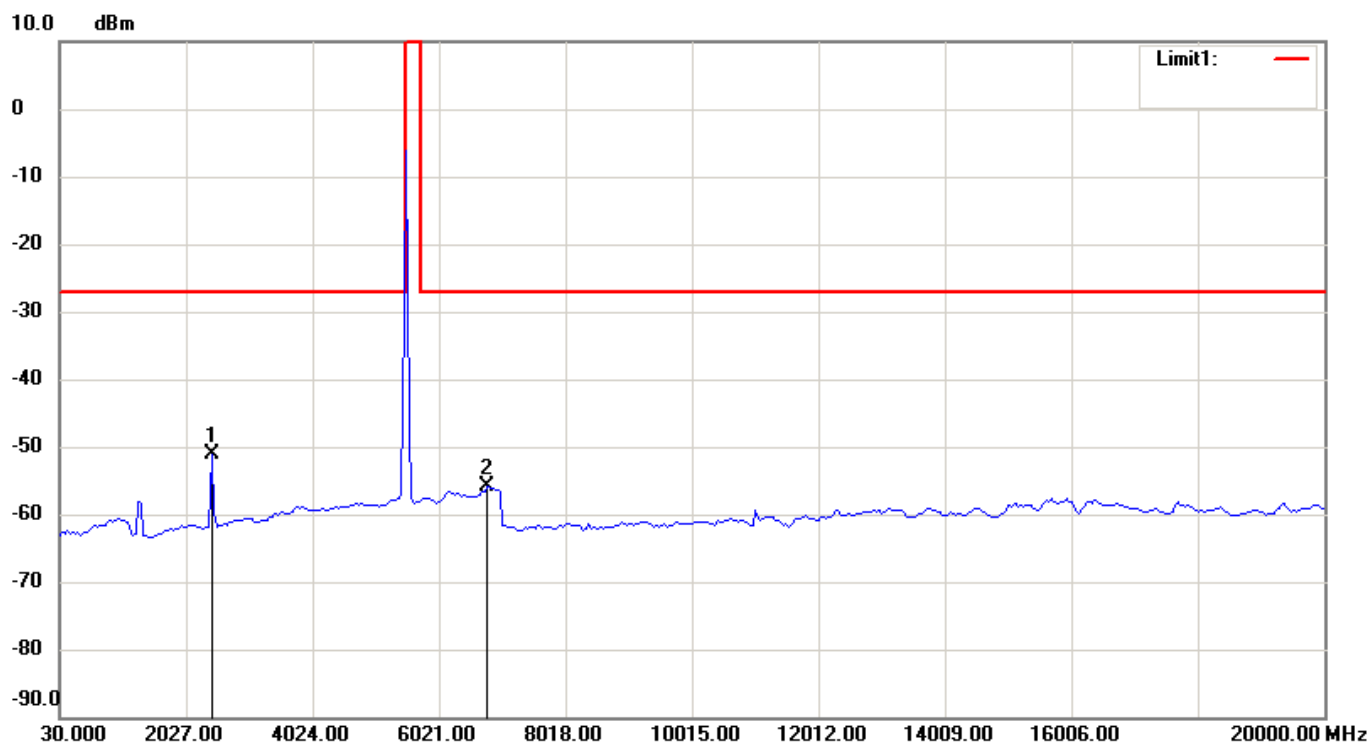
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#5

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 102_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.05
2	6779.86000	-55.98

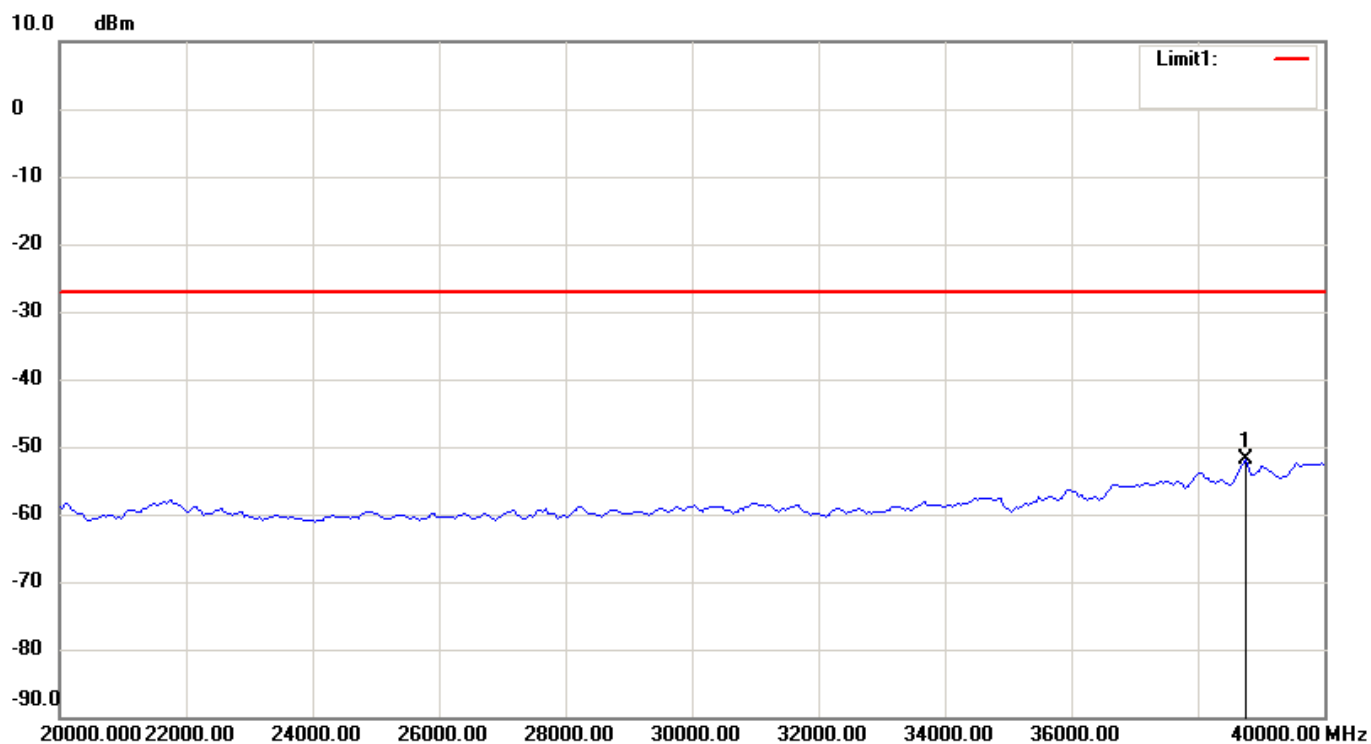
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#6

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 102_Spurious-2

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

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-51.98

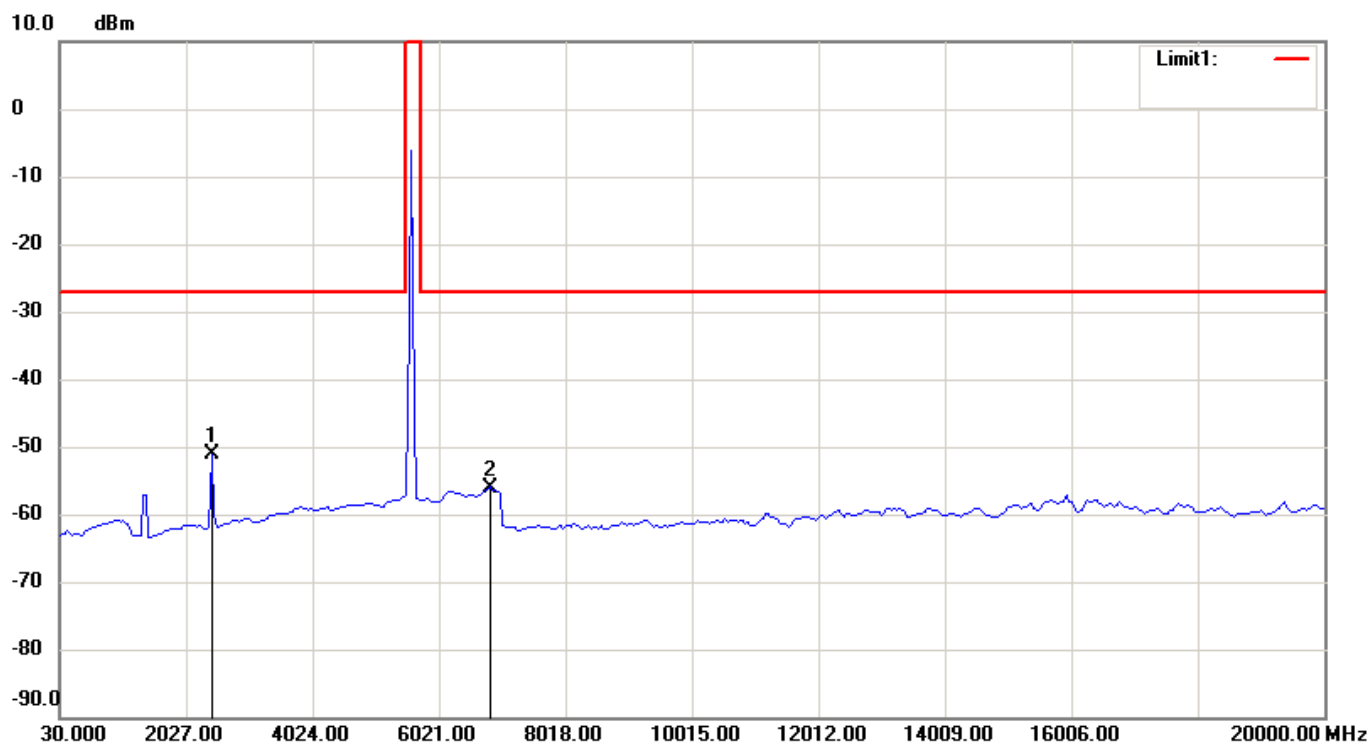
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#12

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 118_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.14
2	6819.80000	-56.00

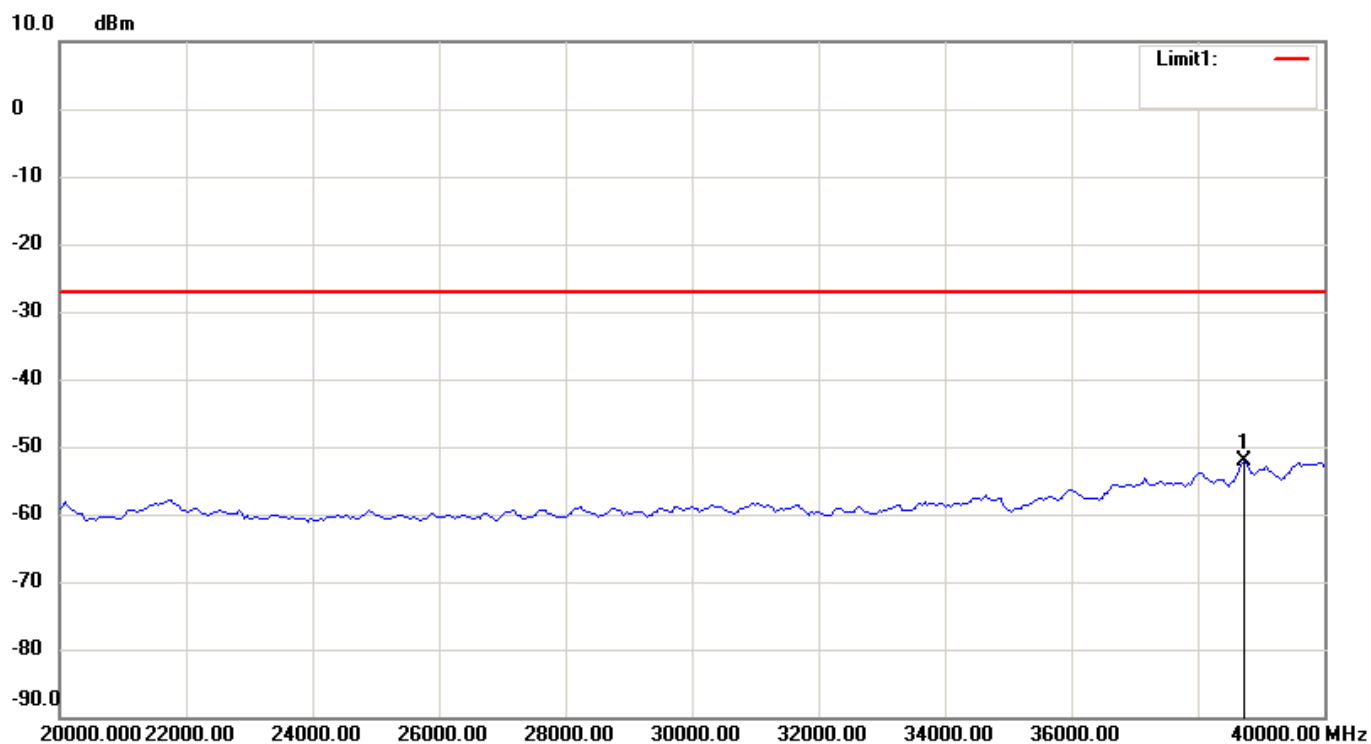
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 118_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	-52.20

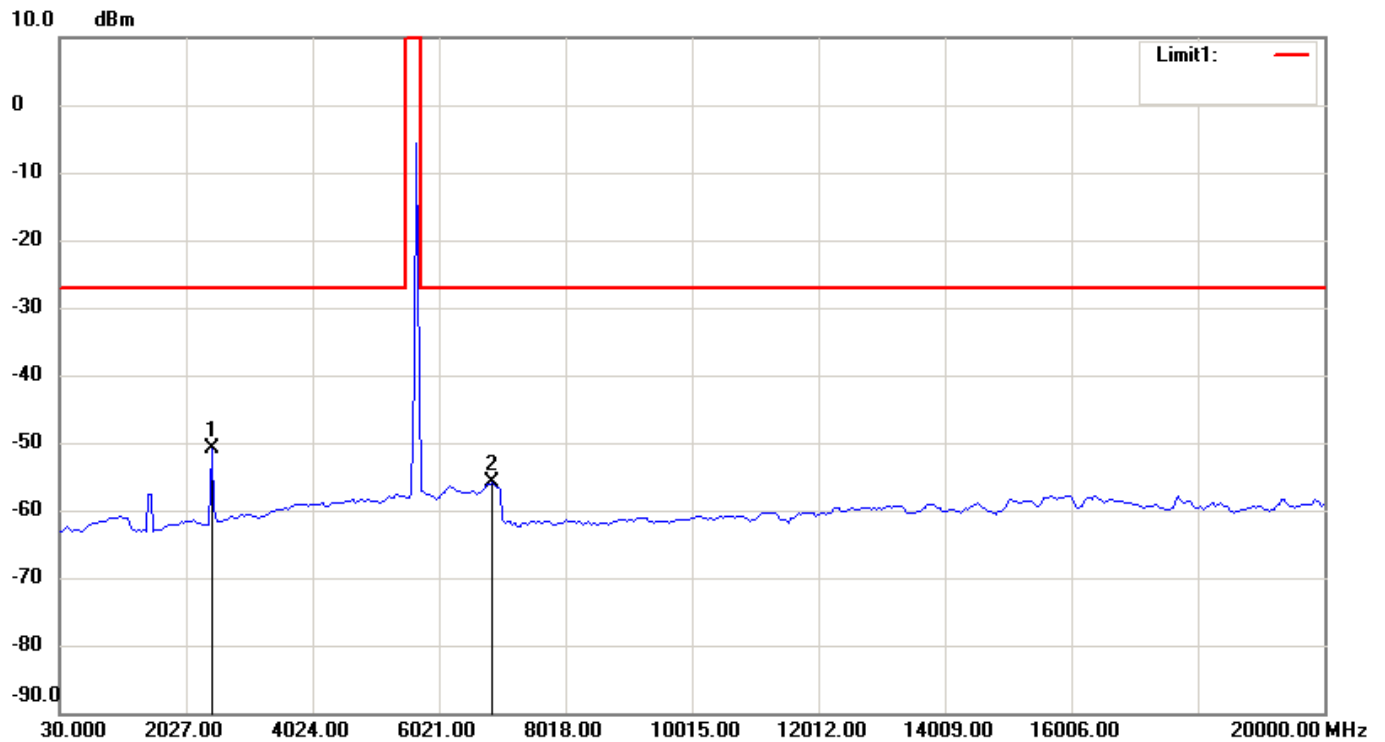
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#18

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 134_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-50.78
2	6859.74000	-55.94

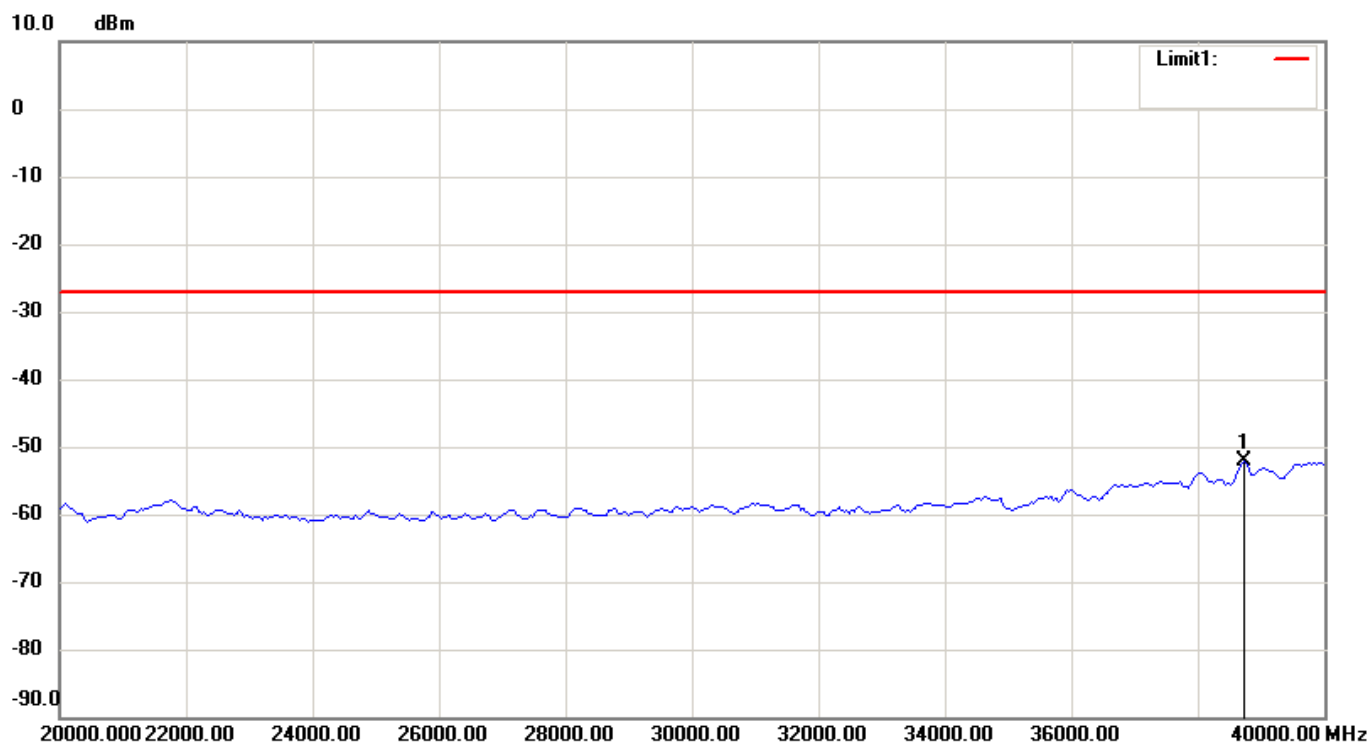
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#19

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 134_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	-52.05

9.4.3.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

註：1. 繪圖資料請參考第 196-201 頁。

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

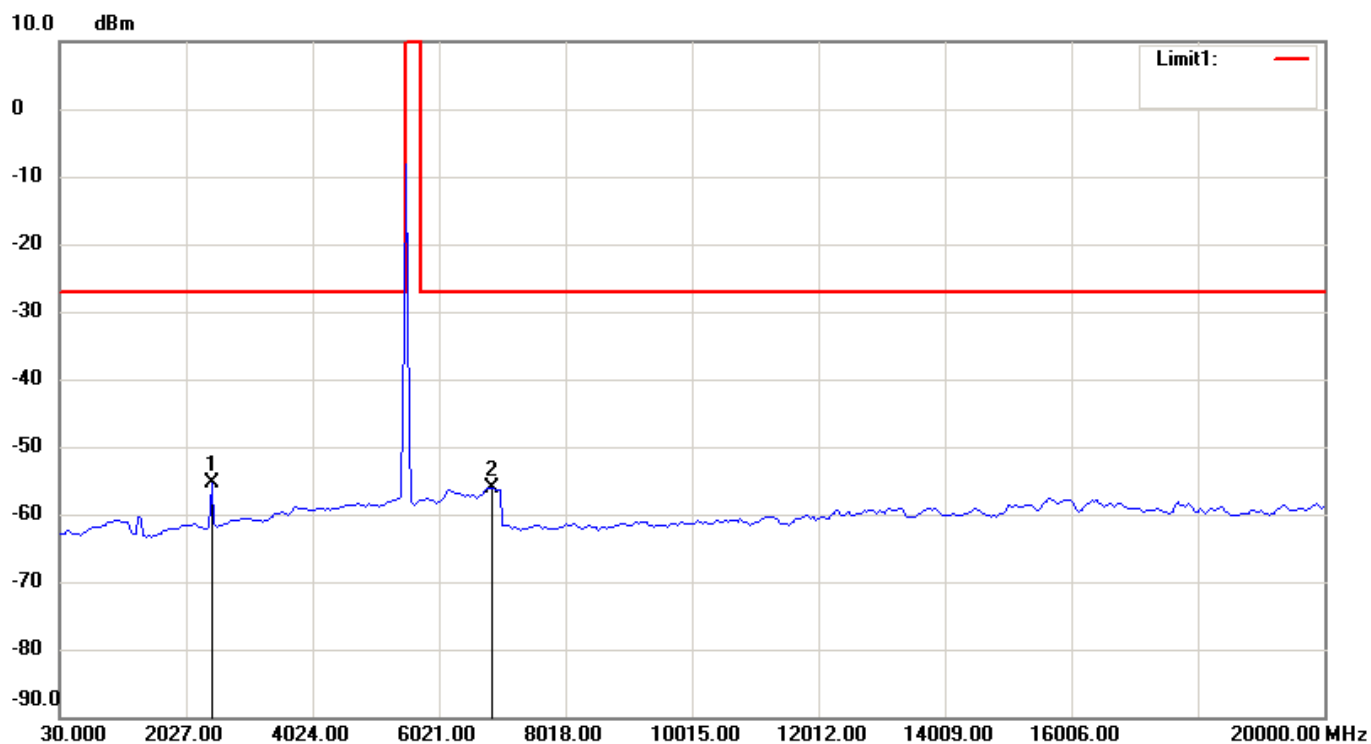
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#5

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 102_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-55.48
2	6859.74000	-56.11

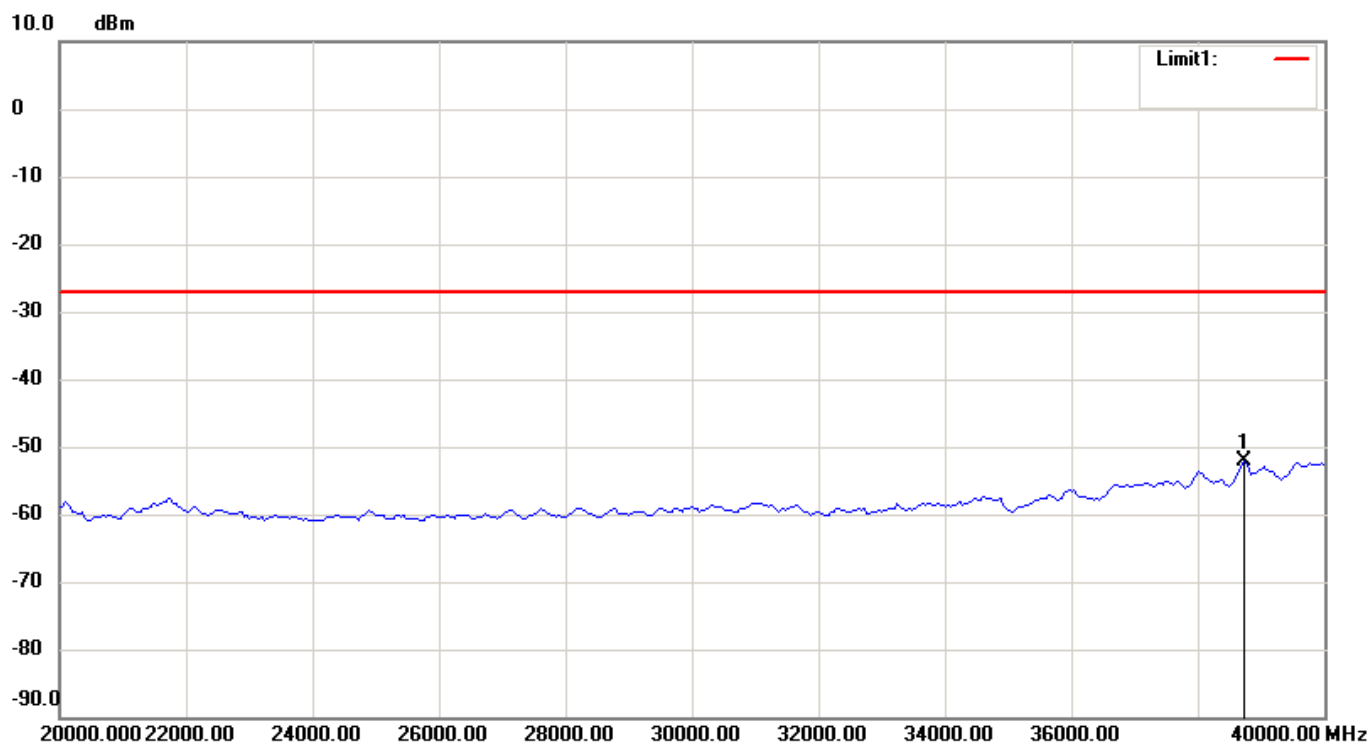
File: 20-10-MAS-019_5-6ax40_ANT2
 Site: RF-Cond01

#6

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax40_Channel 102_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	-52.17

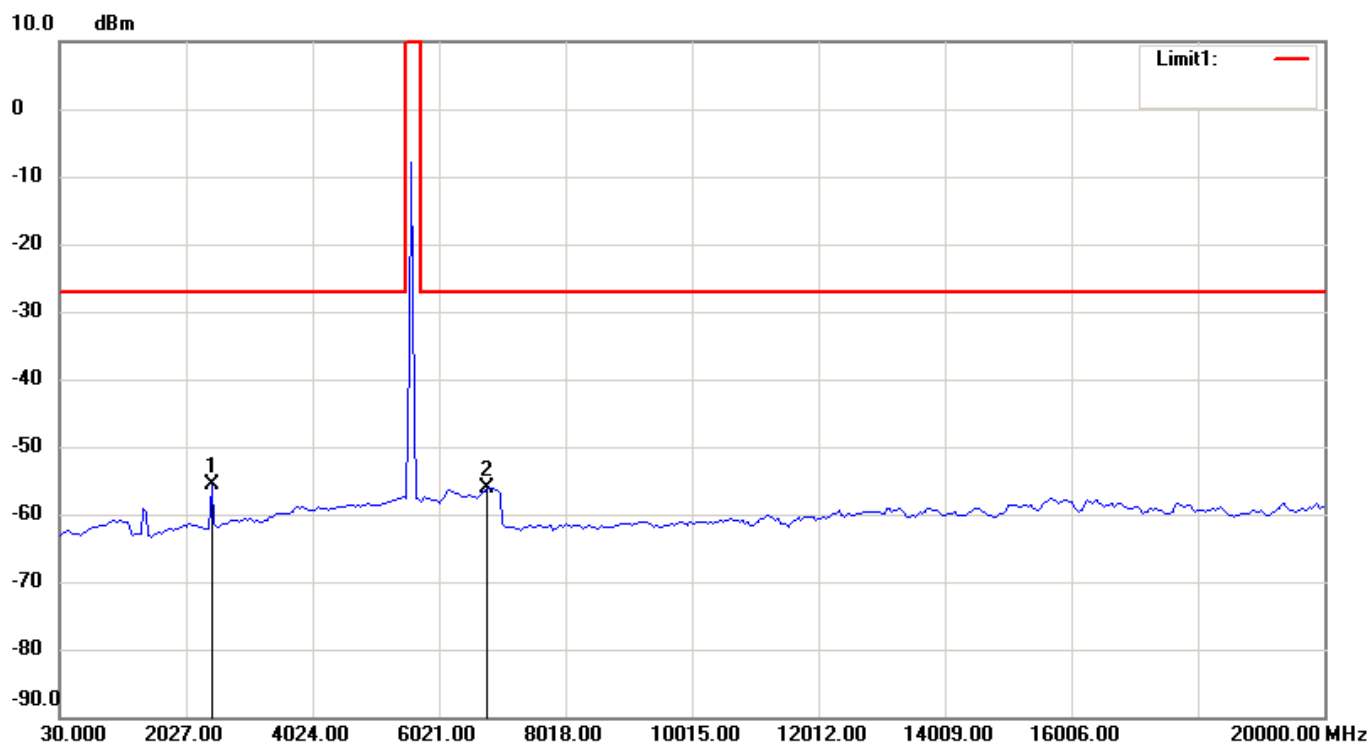
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#12

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 118_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-55.57
2	6779.86000	-56.03

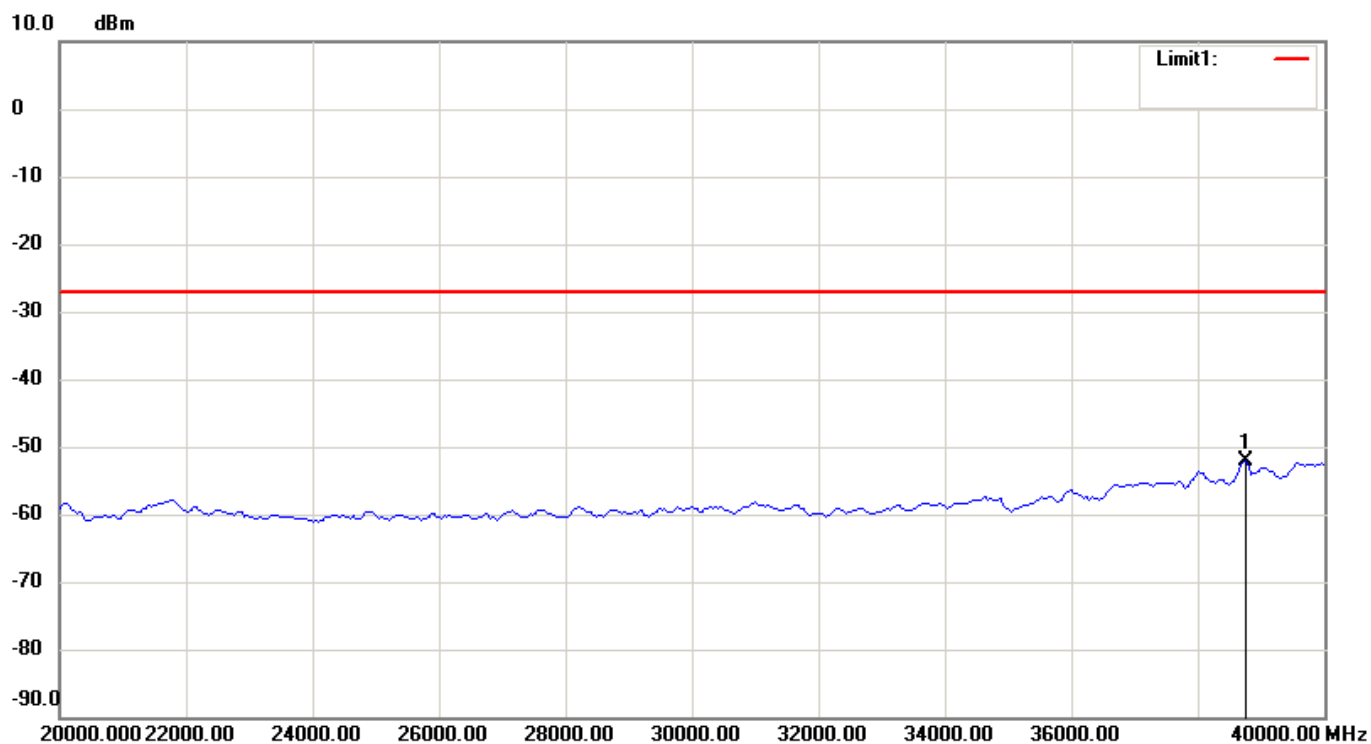
File: 20-10-MAS-019_5-6ax40_ANT2
 Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax40_Channel 118_Spurious-2

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

No.	Frequency(MHz)	Level(dBm)
1	38760.00000	-52.11

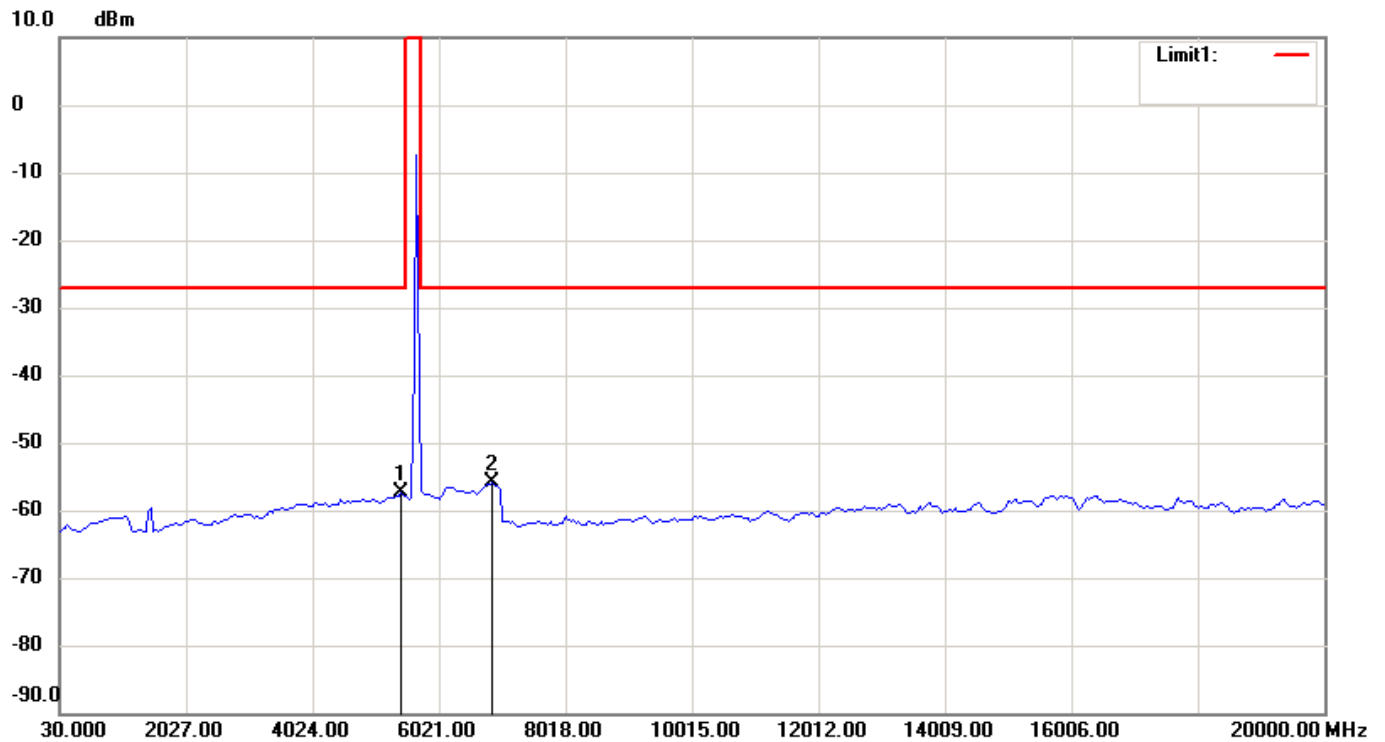
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#18

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 134_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	-57.48
2	6859.74000	-55.77

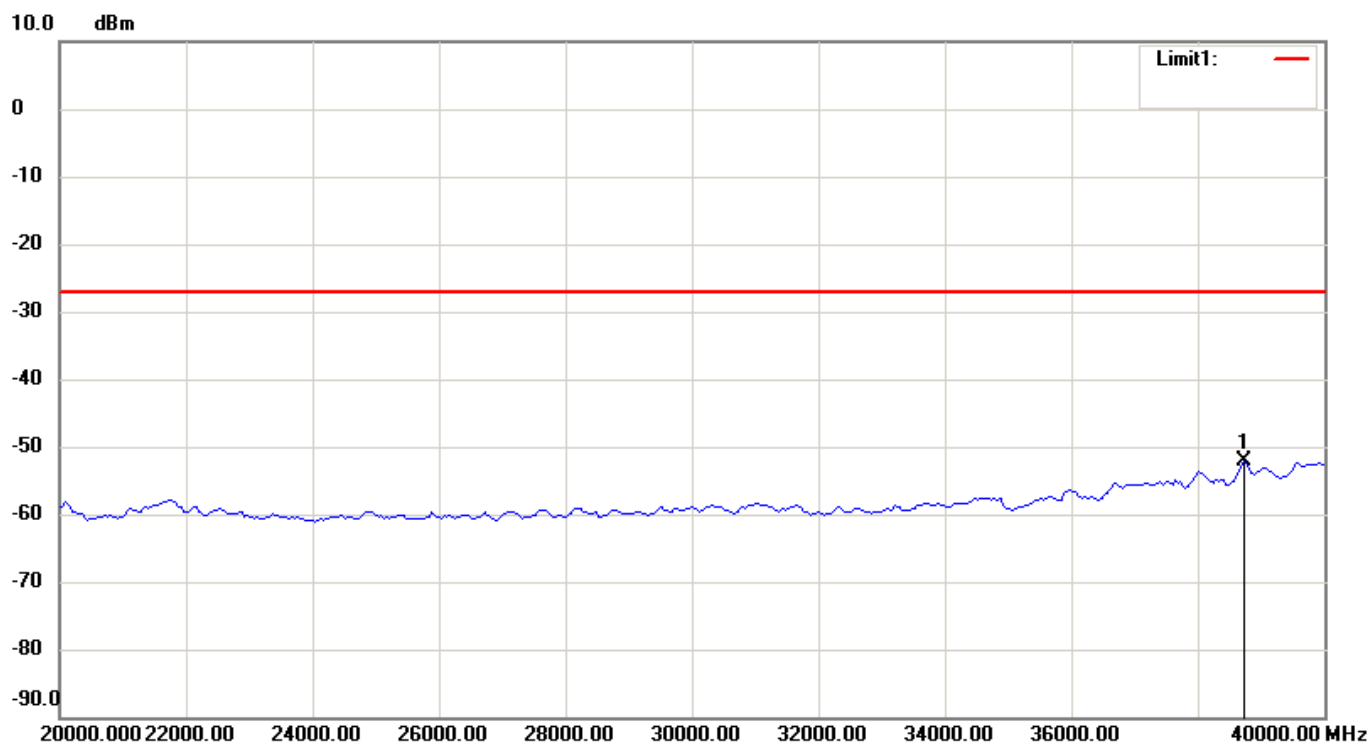
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#19

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40_Channel 134_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	-52.19

9.4.4 調變技術: IEEE 802.11ax (80MHz)

9.4.4.1 CHAIN 0

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

註: 1. 繪圖資料請參考第 203-206 頁。

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

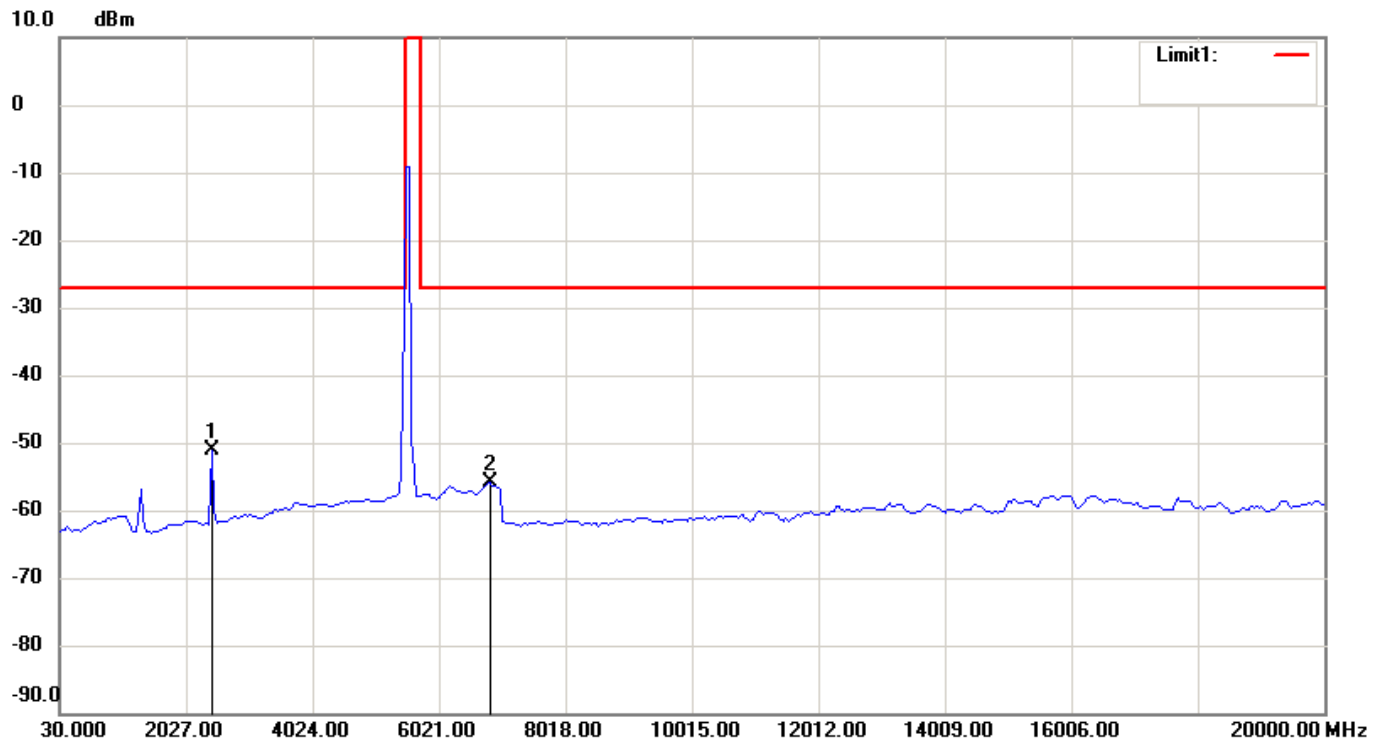
File: 20-10-MAS-019_5-6ax80_ANT1
Site: RF-Cond01

#5

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 106_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.17
2	6819.80000	-55.96

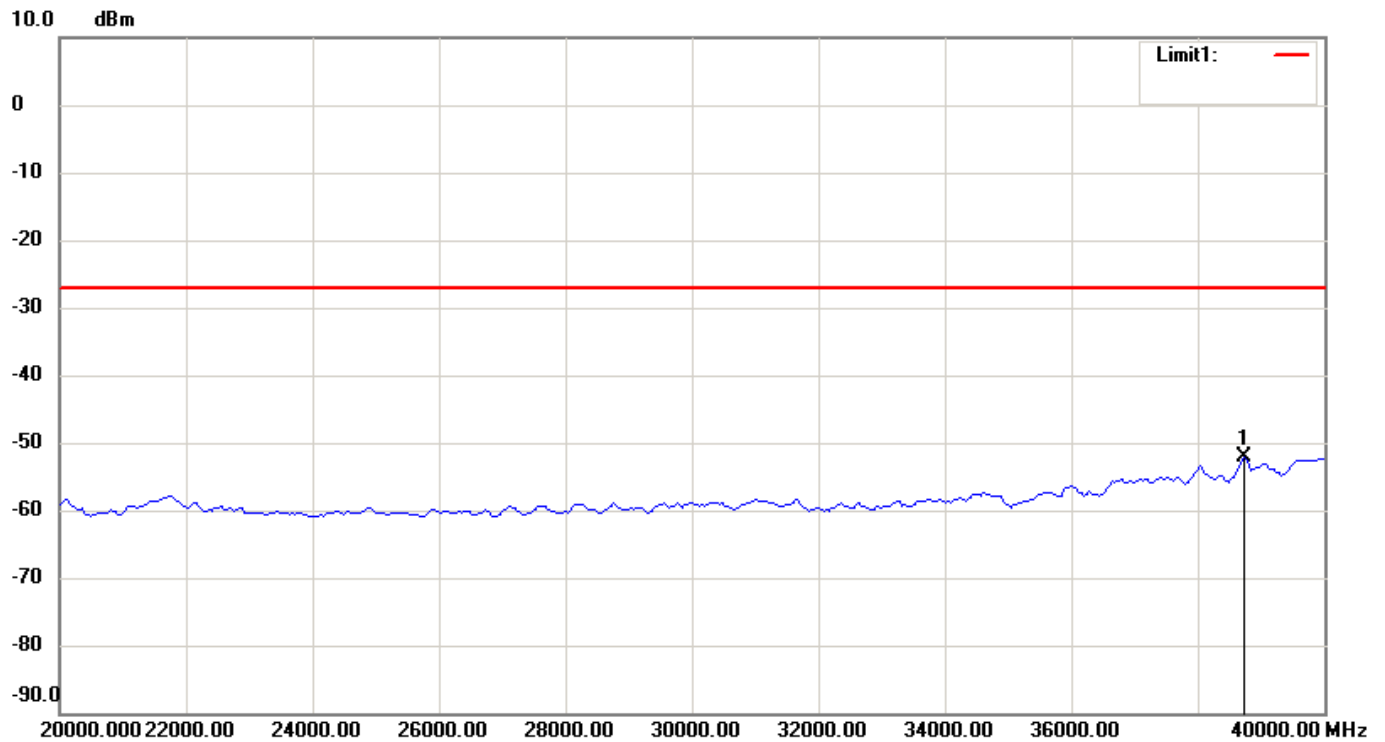
File: 20-10-MAS-019_5-6ax80_ANT1
 Site: RF-Cond01

#6

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax80_Channel 106_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	-52.23

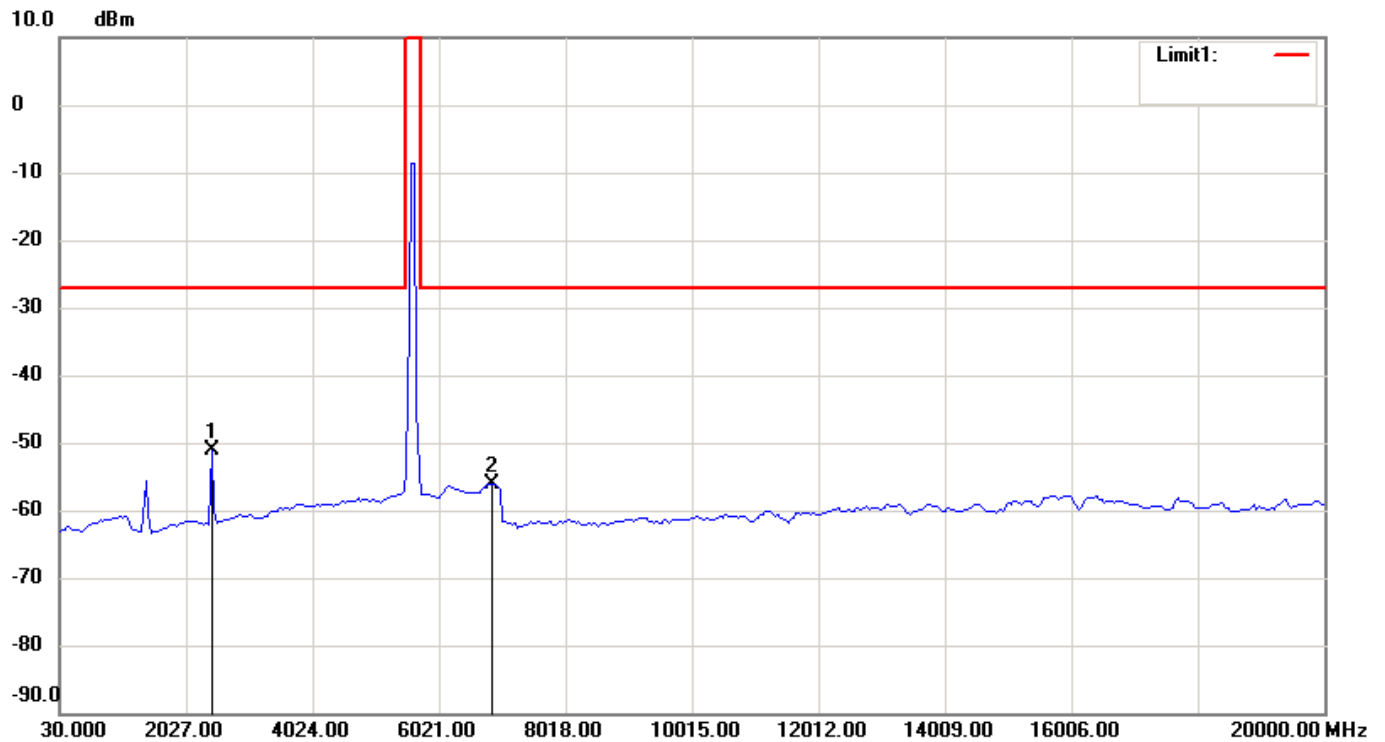
File: 20-10-MAS-019_5-6ax80_ANT1
Site: RF-Cond01

#12

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 122_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-51.02
2	6859.74000	-56.05

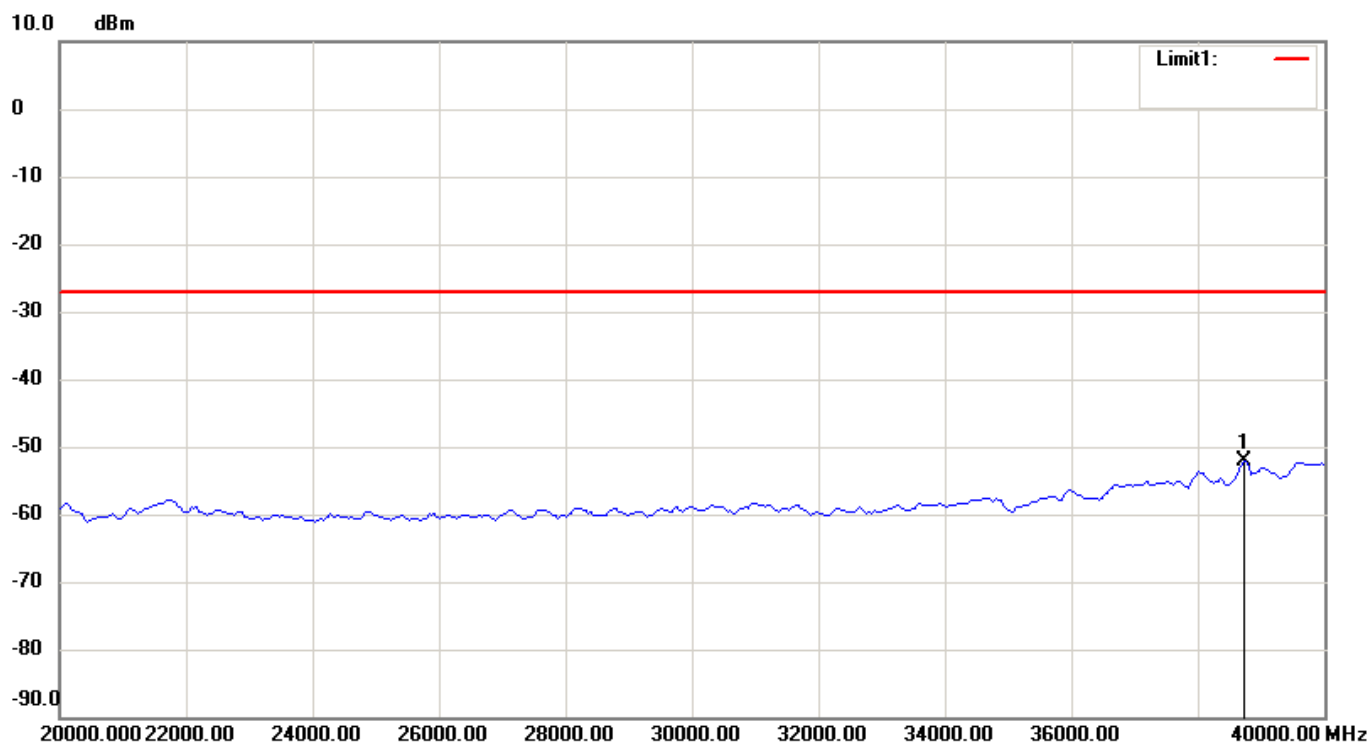
File: 20-10-MAS-019_5-6ax80_ANT1
Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 122_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	-52.08

9.4.4.2 CHAIN 1

測試日期: Nov. 02, 2020

環境溫度: 25°C

環境濕度: 49%

註：1. 繪圖資料請參考第 208-211 頁。

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

9.5 結果判定

混附波之發射皆低於限值，符合標準規定。

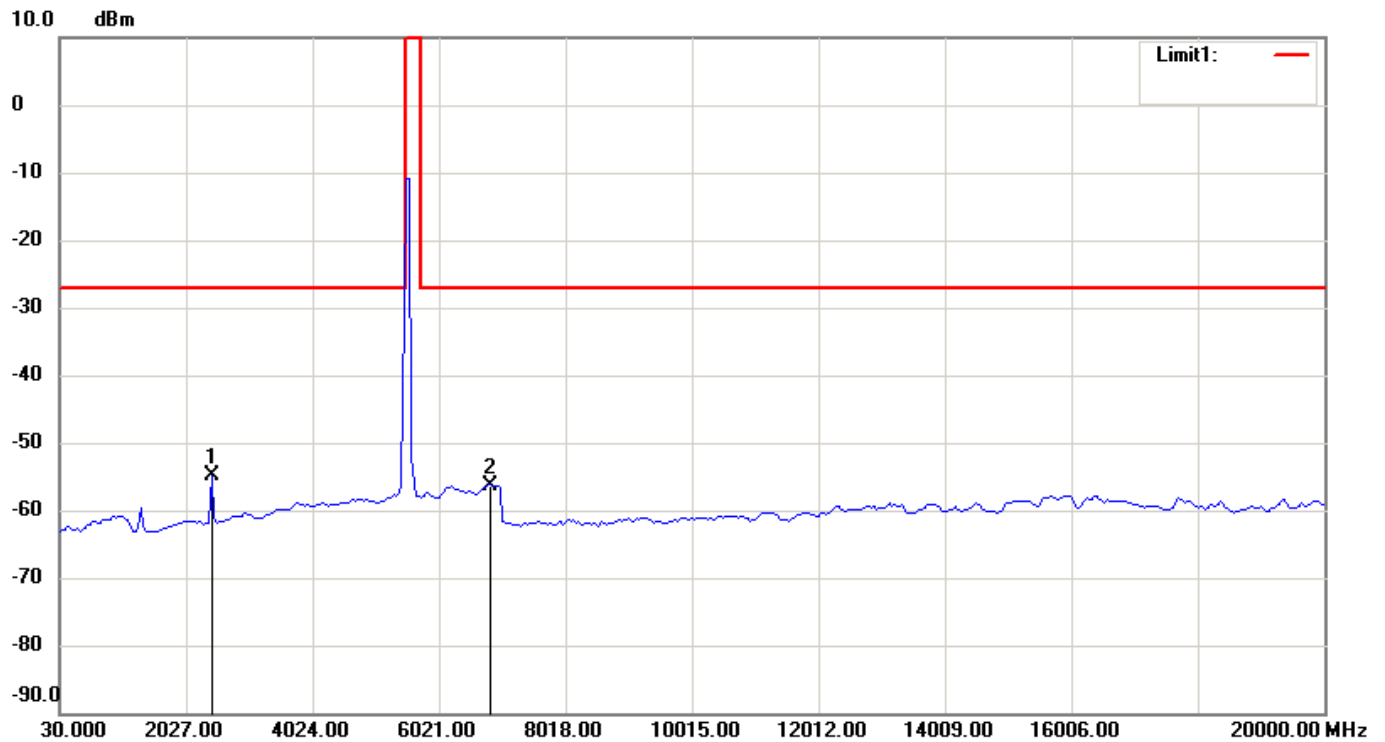
File: 20-10-MAS-019_5-6ax80_ANT2
 Site: RF-Cond01

#5

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax80_Channel 106_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-54.99
2	6819.80000	-56.25

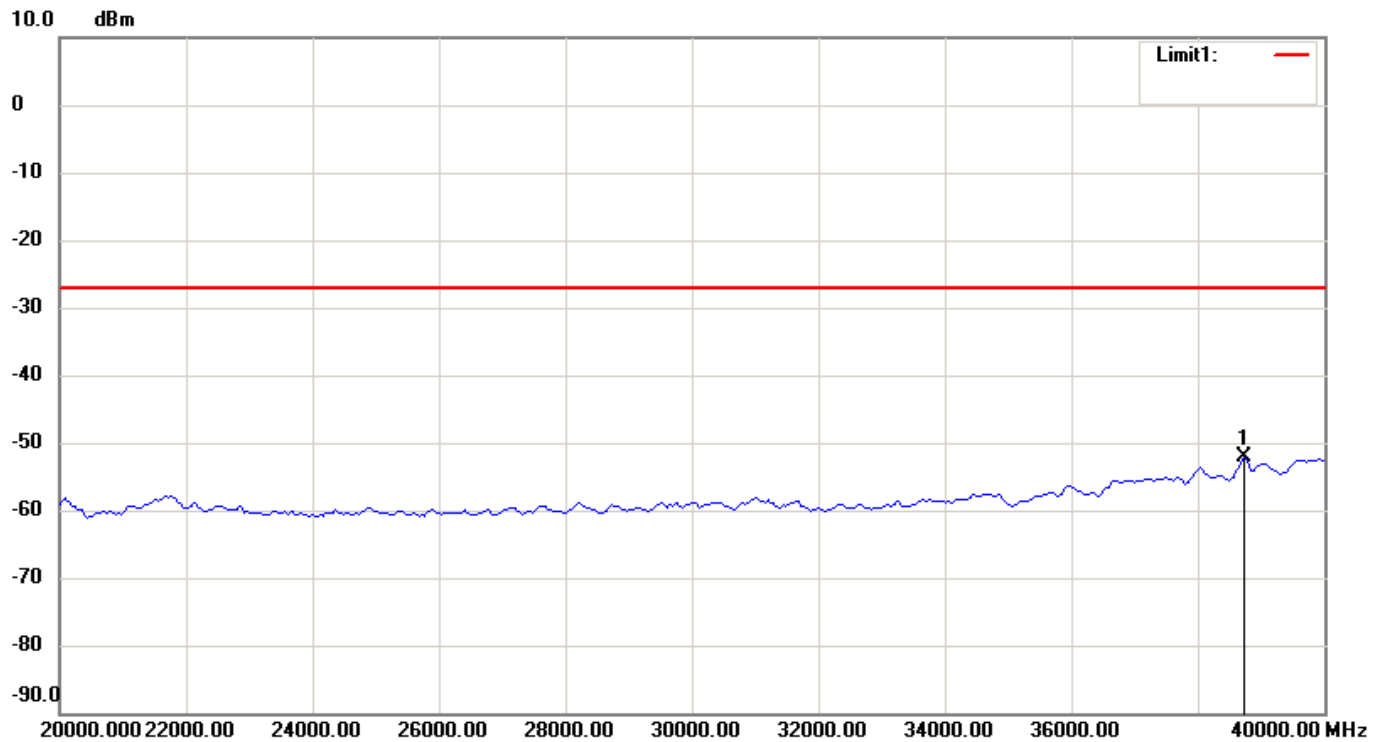
File: 20-10-MAS-019_5-6ax80_ANT2
 Site: RF-Cond01

#6

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax80_Channel 106_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	-52.19

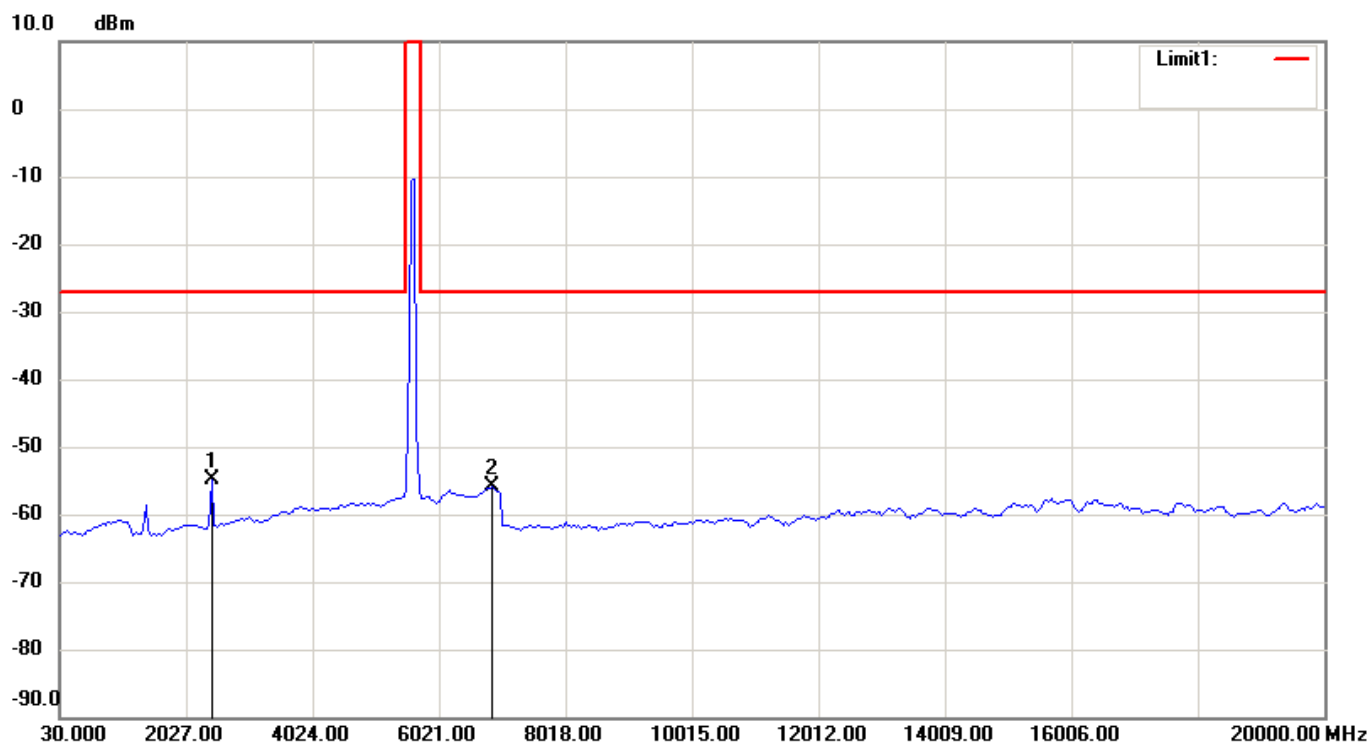
File: 20-10-MAS-019_5-6ax80_ANT2
Site: RF-Cond01

#12

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 122_Spurious-1

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

No.	Frequency(MHz)	Level(dBm)
1	2426.40000	-54.97
2	6859.74000	-55.88

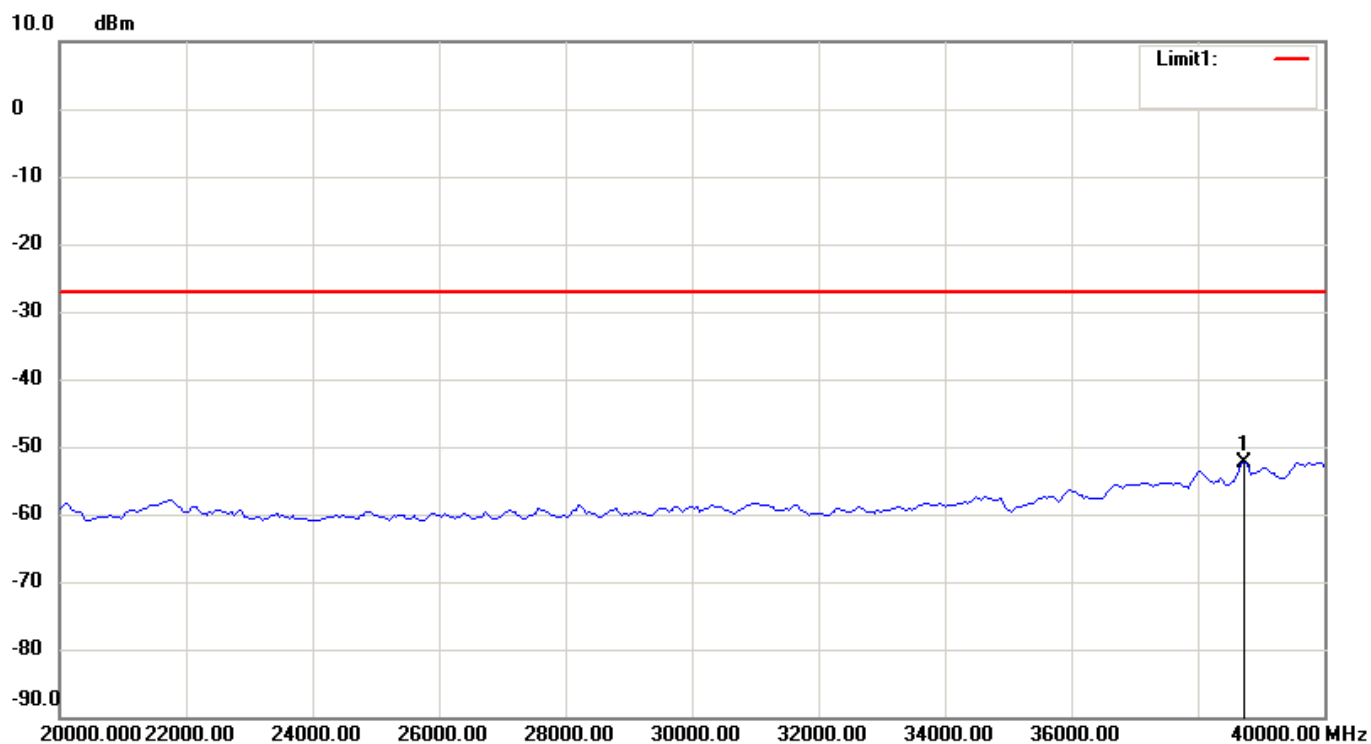
File: 20-10-MAS-019_5-6ax80_ANT2
Site: RF-Cond01

#13

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax80_Channel 122_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	-52.28

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器材技術規範5.7.4.5節之規定，在 1GHz 以下的非必要之發射，應符合第 3.6節之規定，任何使用交流市電為供應電之設備亦須符合第 3.3節之電源線傳導限制值。

依據國家通訊傳播委員會低功率射頻器材技術規範5.7.4.6節之規定，不必要發射頻率屬 3.5節規定頻段者，應符合 3.6節之規定。

10.2 量測方法

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

10.3 量測場強輻射之儀器

(1)量測儀器

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

測試軟體: LZ-RF (Ver. ETC-3A2)

(2)儀器設定

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

10.4 場強度之計算

場強之計算公式如下

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

其中校正因子為：

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

10.5 場強輻射之量測結果

測試工程師: 羅世勇

測試日期: Nov. 11, 2020

環境溫度: 22°C

環境濕度: 58%

10.5.1 諧波發射量測值

10.5.1.1 調變技術: IEEE 802.11a

a. Channel Low

基本波頻率 : 5500 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11000.0000	H	---	---	6.95	---	---	74.0	54.0	---
11000.0000	V	---	---	6.95	---	---	74.0	54.0	---
16500.0000	H	---	---	13.29	---	---	74.0	54.0	---
16500.0000	V	---	---	13.29	---	---	74.0	54.0	---
22000.0000	H	---	---	19.07	---	---	74.0	54.0	---
22000.0000	V	---	---	19.07	---	---	74.0	54.0	---
27500.0000	H	---	---	16.87	---	---	74.0	54.0	---
27500.0000	V	---	---	16.87	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

b. Channel Mid

基本波頻率：5580 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11160.0000	H	---	---	7.12	---	---	74.0	54.0	---
11160.0000	V	---	---	7.12	---	---	74.0	54.0	---
16740.0000	H	---	---	13.72	---	---	74.0	54.0	---
16740.0000	V	---	---	13.72	---	---	74.0	54.0	---
22320.0000	H	---	---	19.53	---	---	74.0	54.0	---
22320.0000	V	---	---	19.53	---	---	74.0	54.0	---
27900.0000	H	---	---	17.25	---	---	74.0	54.0	---
27900.0000	V	---	---	17.25	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

c. Channel High

基本波頻率：5700 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11400.0000	H	---	---	7.37	---	---	74.0	54.0	---
11400.0000	V	---	---	7.37	---	---	74.0	54.0	---
17100.0000	H	---	---	14.00	---	---	74.0	54.0	---
17100.0000	V	---	---	14.00	---	---	74.0	54.0	---
22800.0000	H	---	---	19.64	---	---	74.0	54.0	---
22800.0000	V	---	---	19.64	---	---	74.0	54.0	---
28500.0000	H	---	---	17.06	---	---	74.0	54.0	---
28500.0000	V	---	---	17.06	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

10.5.1.2 調變技術: IEEE 802.11ax (20MHz)

a. Channel Low

基本波頻率 : 5500 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11000.0000	H	---	---	6.95	---	---	74.0	54.0	---
11000.0000	V	---	---	6.95	---	---	74.0	54.0	---
16500.0000	H	---	---	13.29	---	---	74.0	54.0	---
16500.0000	V	---	---	13.29	---	---	74.0	54.0	---
22000.0000	H	---	---	19.07	---	---	74.0	54.0	---
22000.0000	V	---	---	19.07	---	---	74.0	54.0	---
27500.0000	H	---	---	16.87	---	---	74.0	54.0	---
27500.0000	V	---	---	16.87	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

b. Channel Mid

基本波頻率：5580 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11160.0000	H	---	---	7.12	---	---	74.0	54.0	---
11160.0000	V	---	---	7.12	---	---	74.0	54.0	---
16740.0000	H	---	---	13.72	---	---	74.0	54.0	---
16740.0000	V	---	---	13.72	---	---	74.0	54.0	---
22320.0000	H	---	---	19.53	---	---	74.0	54.0	---
22320.0000	V	---	---	19.53	---	---	74.0	54.0	---
27900.0000	H	---	---	17.25	---	---	74.0	54.0	---
27900.0000	V	---	---	17.25	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

c. Channel High

基本波頻率：5700 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11400.0000	H	---	---	7.37	---	---	74.0	54.0	---
11400.0000	V	---	---	7.37	---	---	74.0	54.0	---
17100.0000	H	---	---	14.00	---	---	74.0	54.0	---
17100.0000	V	---	---	14.00	---	---	74.0	54.0	---
22800.0000	H	---	---	19.64	---	---	74.0	54.0	---
22800.0000	V	---	---	19.64	---	---	74.0	54.0	---
28500.0000	H	---	---	17.06	---	---	74.0	54.0	---
28500.0000	V	---	---	17.06	---	---	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

基本波頻率 : 5510 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11020.0000	H	---	---	6.98	---	---	74.0	54.0	---
11020.0000	V	---	---	6.98	---	---	74.0	54.0	---
16530.0000	H	---	---	13.34	---	---	74.0	54.0	---
16530.0000	V	---	---	13.34	---	---	74.0	54.0	---
22040.0000	H	---	---	19.13	---	---	74.0	54.0	---
22040.0000	V	---	---	19.13	---	---	74.0	54.0	---
27550.0000	H	---	---	16.91	---	---	74.0	54.0	---
27550.0000	V	---	---	16.91	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

b. Channel Mid

基本波頻率：5590 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11180.0000	H	---	---	7.13	---	---	74.0	54.0	---
11180.0000	V	---	---	7.13	---	---	74.0	54.0	---
16770.0000	H	---	---	13.78	---	---	74.0	54.0	---
16770.0000	V	---	---	13.78	---	---	74.0	54.0	---
22360.0000	H	---	---	19.58	---	---	74.0	54.0	---
22360.0000	V	---	---	19.58	---	---	74.0	54.0	---
27950.0000	H	---	---	17.29	---	---	74.0	54.0	---
27950.0000	V	---	---	17.29	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

c. Channel High

基本波頻率：5670 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11340.0000	H	---	---	7.31	---	---	74.0	54.0	---
11340.0000	V	---	---	7.31	---	---	74.0	54.0	---
17010.0000	H	---	---	14.16	---	---	74.0	54.0	---
17010.0000	V	---	---	14.16	---	---	74.0	54.0	---
22680.0000	H	---	---	19.71	---	---	74.0	54.0	---
22680.0000	V	---	---	19.71	---	---	74.0	54.0	---
28350.0000	H	---	---	17.15	---	---	74.0	54.0	---
28350.0000	V	---	---	17.15	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

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

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

10.5.1.4 IEEE 802.11ax (80MHz)

a. Channel Low

基本波頻率：5530 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11060.0000	H	---	---	7.01	---	---	74.0	54.0	---
11060.0000	V	---	---	7.01	---	---	74.0	54.0	---
16590.0000	H	---	---	13.46	---	---	74.0	54.0	---
16590.0000	V	---	---	13.46	---	---	74.0	54.0	---
22120.0000	H	---	---	19.24	---	---	74.0	54.0	---
22120.0000	V	---	---	19.24	---	---	74.0	54.0	---
27650.0000	H	---	---	17.01	---	---	74.0	54.0	---
27650.0000	V	---	---	17.01	---	---	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

基本波頻率：5610 MHz

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
(MHz)	H/V	Peak	AVG	(dB)	Peak	AVG	Peak	AVG	(dB)
11220.0000	H	---	---	7.19	---	---	74.0	54.0	---
11220.0000	V	---	---	7.19	---	---	74.0	54.0	---
16830.0000	H	---	---	13.88	---	---	74.0	54.0	---
16830.0000	V	---	---	13.88	---	---	74.0	54.0	---
22440.0000	H	---	---	19.71	---	---	74.0	54.0	---
22440.0000	V	---	---	19.71	---	---	74.0	54.0	---
28050.0000	H	---	---	17.31	---	---	74.0	54.0	---
28050.0000	V	---	---	17.31	---	---	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：5500 MHz

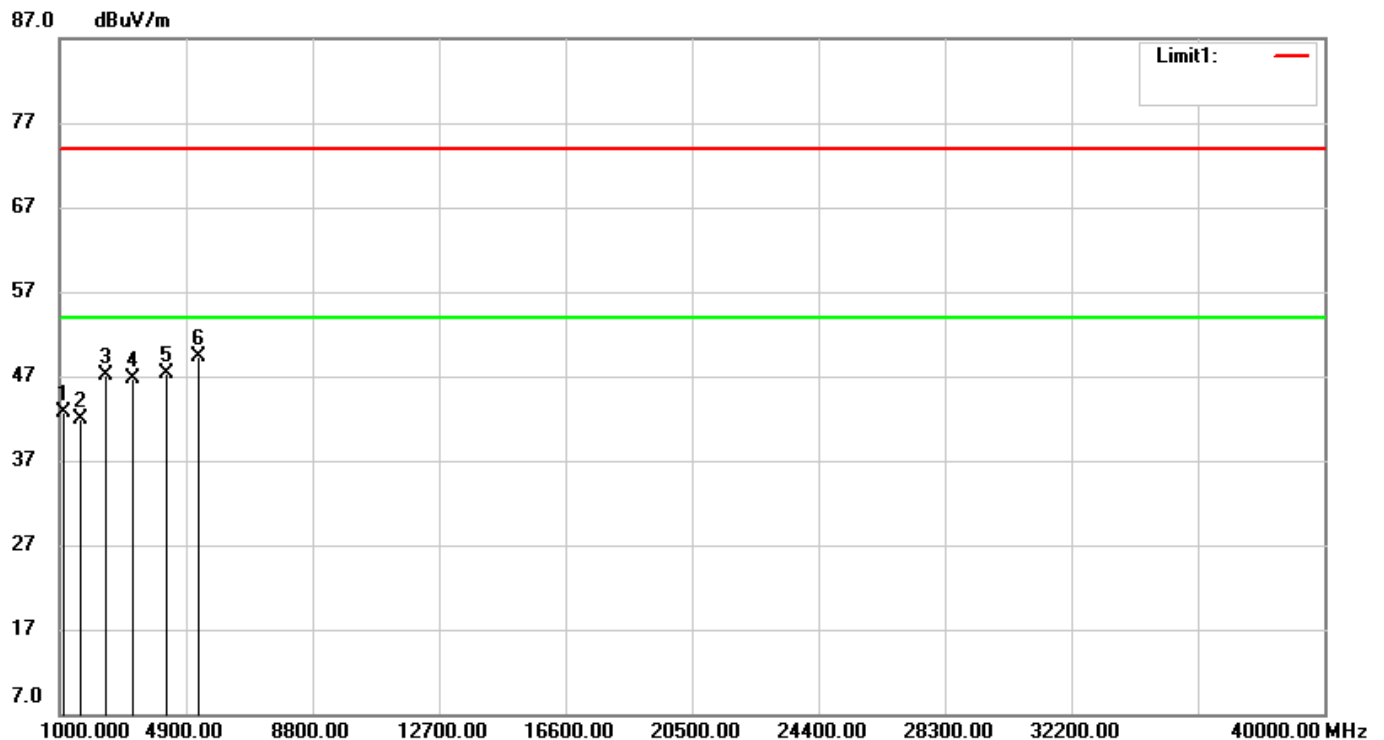
File: 20-10-MAS-019_5-6a
Site: RE02-EMC B1- N2

#27

Date: 2020/11/11

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_Above1G_Pk
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: CH LOW-1

Polarization: Horizontal
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1071.63460	52.08	peak	-9.29	42.79	74.00	-31.21
2	1594.56730	49.17	peak	-7.33	41.84	74.00	-32.16
3	2411.20200	49.70	peak	-2.66	47.04	74.00	-26.96
4	3242.16340	48.21	peak	-1.54	46.67	74.00	-27.33
5	4309.51920	46.89	peak	0.34	47.23	74.00	-26.77
6	5312.40380	47.08	peak	2.14	49.22	74.00	-24.78

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：5500 MHz

File: 20-10-MAS-019_5-6a

#28

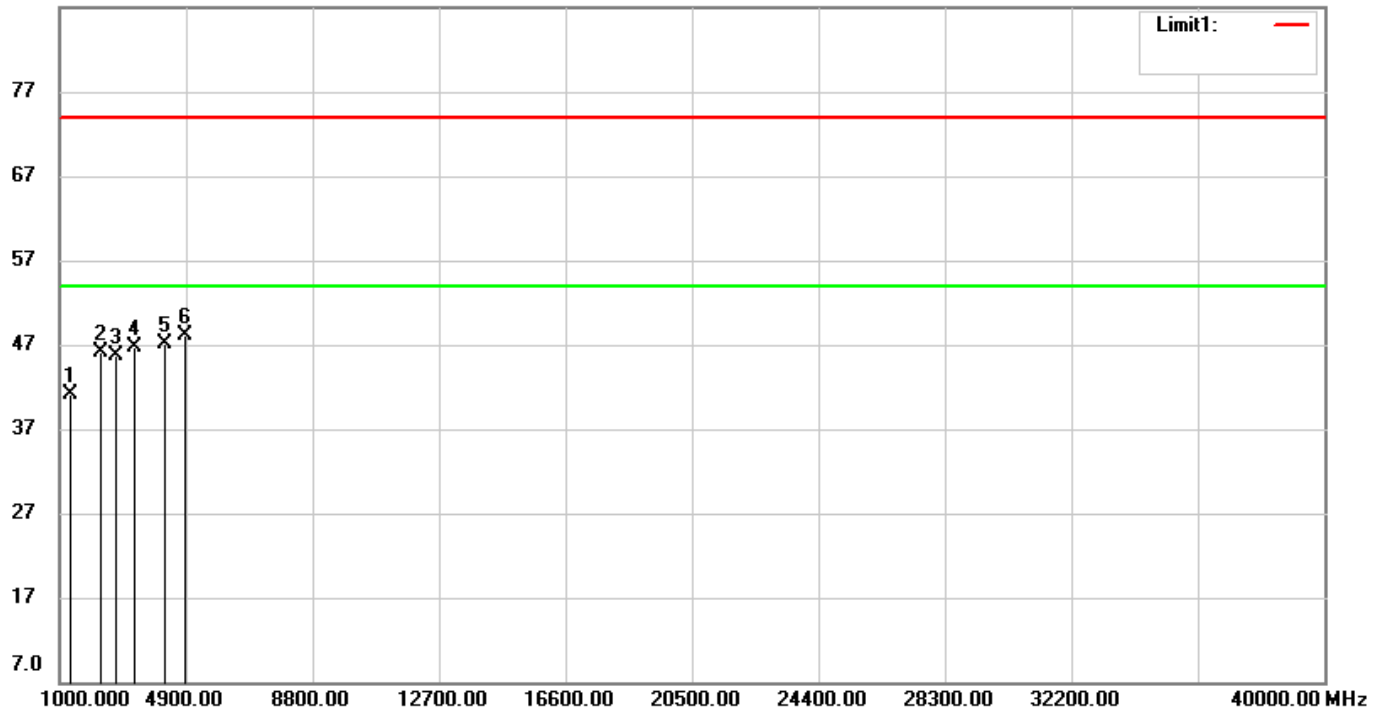
Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %

87.0 dBuV/m



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH LOW-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	1257.88460	49.85	peak	-8.80	41.05	74.00	-32.95
2	2224.95200	49.34	peak	-3.15	46.19	74.00	-27.81
3	2747.88460	47.84	peak	-2.16	45.68	74.00	-28.32
4	3256.49030	48.19	peak	-1.53	46.66	74.00	-27.34
5	4194.90380	46.75	peak	0.27	47.02	74.00	-26.98
6	4832.45200	46.94	peak	1.09	48.03	74.00	-25.97

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

b. Channel Mid

操作模式：發射接收

基本波頻率：5580 MHz

File: 20-10-MAS-019_5-6a

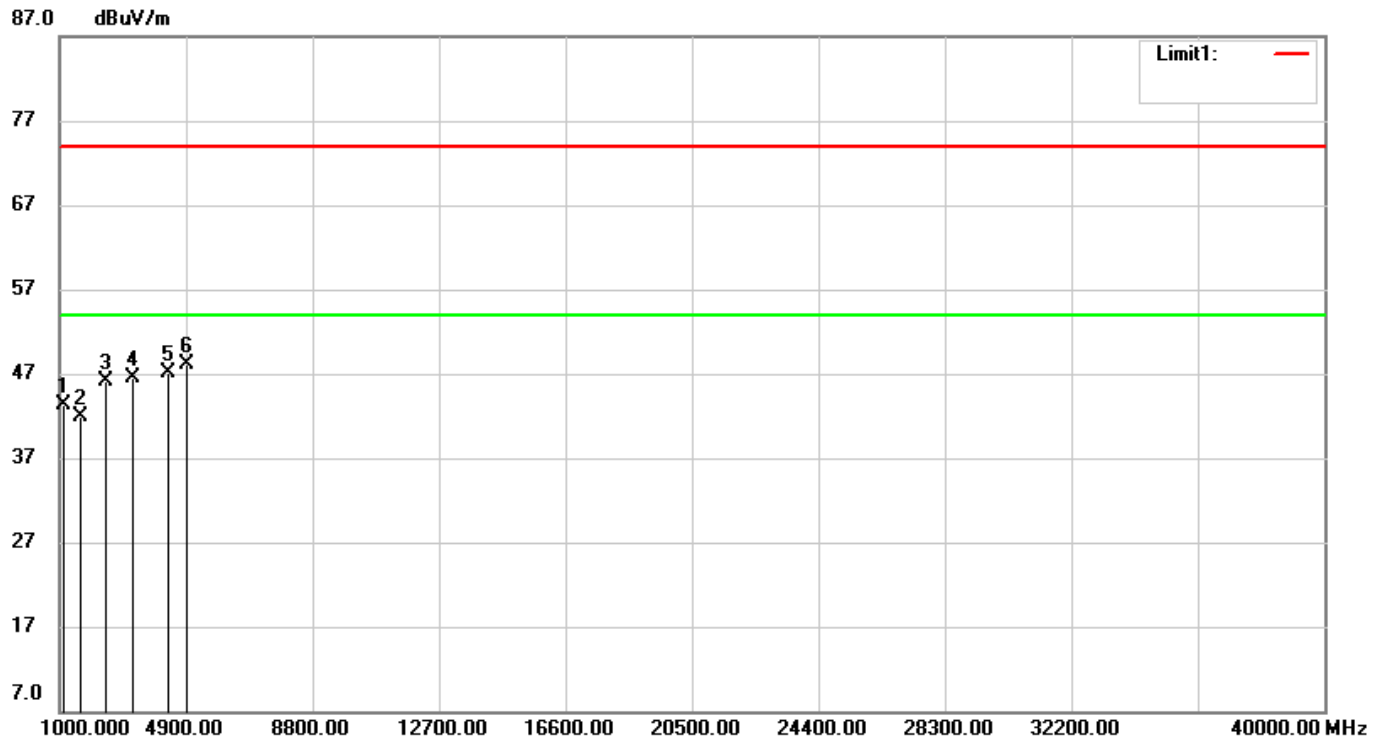
#29

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH MID-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1071.63460	52.59	peak	-9.29	43.30	74.00	-30.70
2	1594.56730	49.22	peak	-7.33	41.89	74.00	-32.11
3	2411.20200	48.73	peak	-2.66	46.07	74.00	-27.93
4	3213.50960	48.02	peak	-1.58	46.44	74.00	-27.56
5	4316.68260	46.81	peak	0.34	47.15	74.00	-26.85
6	4889.75960	46.83	peak	1.20	48.03	74.00	-25.97

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：5580 MHz

File: 20-10-MAS-019_5-6a

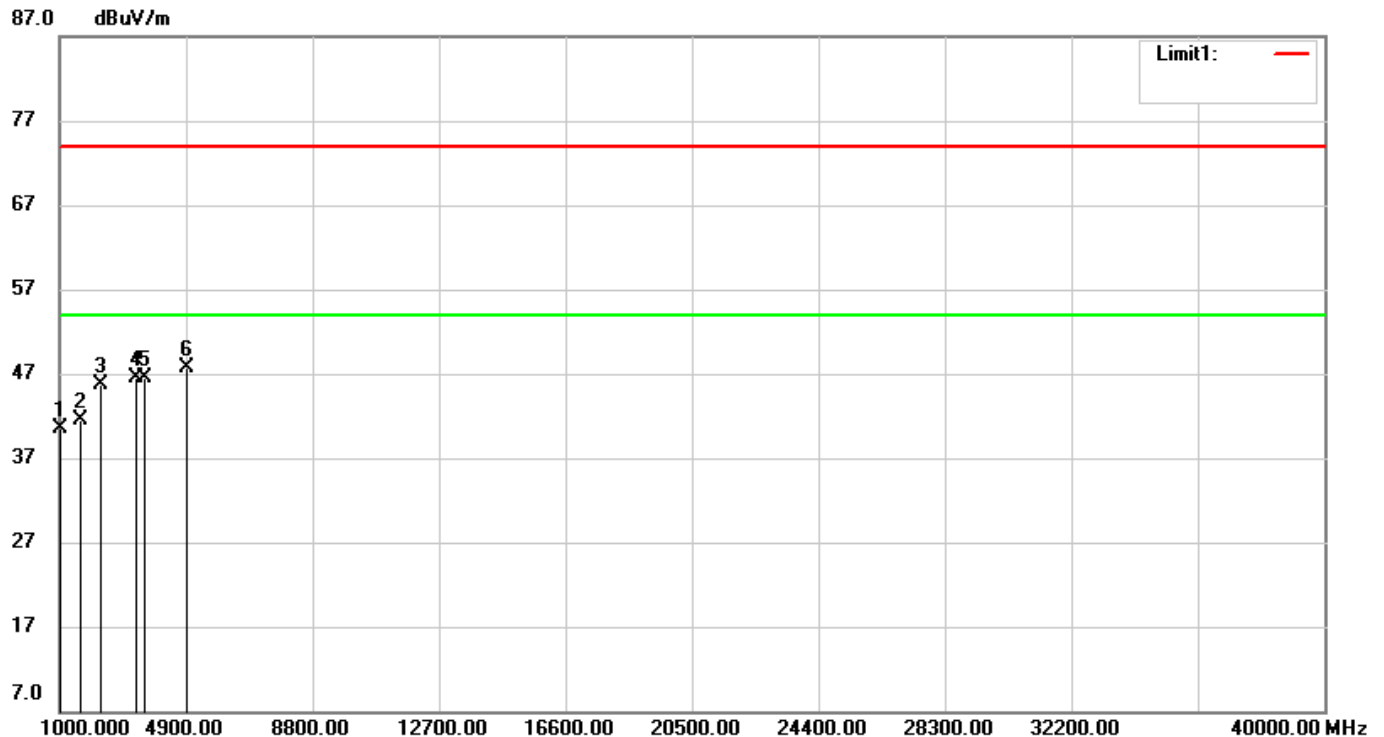
#30

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNH
 Note: CH MID-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	1042.98070	49.78	peak	-9.36	40.42	74.00	-33.58
2	1623.22110	48.65	peak	-7.09	41.56	74.00	-32.44
3	2224.95200	48.85	peak	-3.15	45.70	74.00	-28.30
4	3342.45200	47.97	peak	-1.40	46.57	74.00	-27.43
5	3607.50000	47.44	peak	-0.89	46.55	74.00	-27.45
6	4925.57700	46.50	peak	1.27	47.77	74.00	-26.23

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

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

c. Channel High

操作模式：發射接收

基本波頻率：5700 MHz

File: 20-10-MAS-019_5-6a

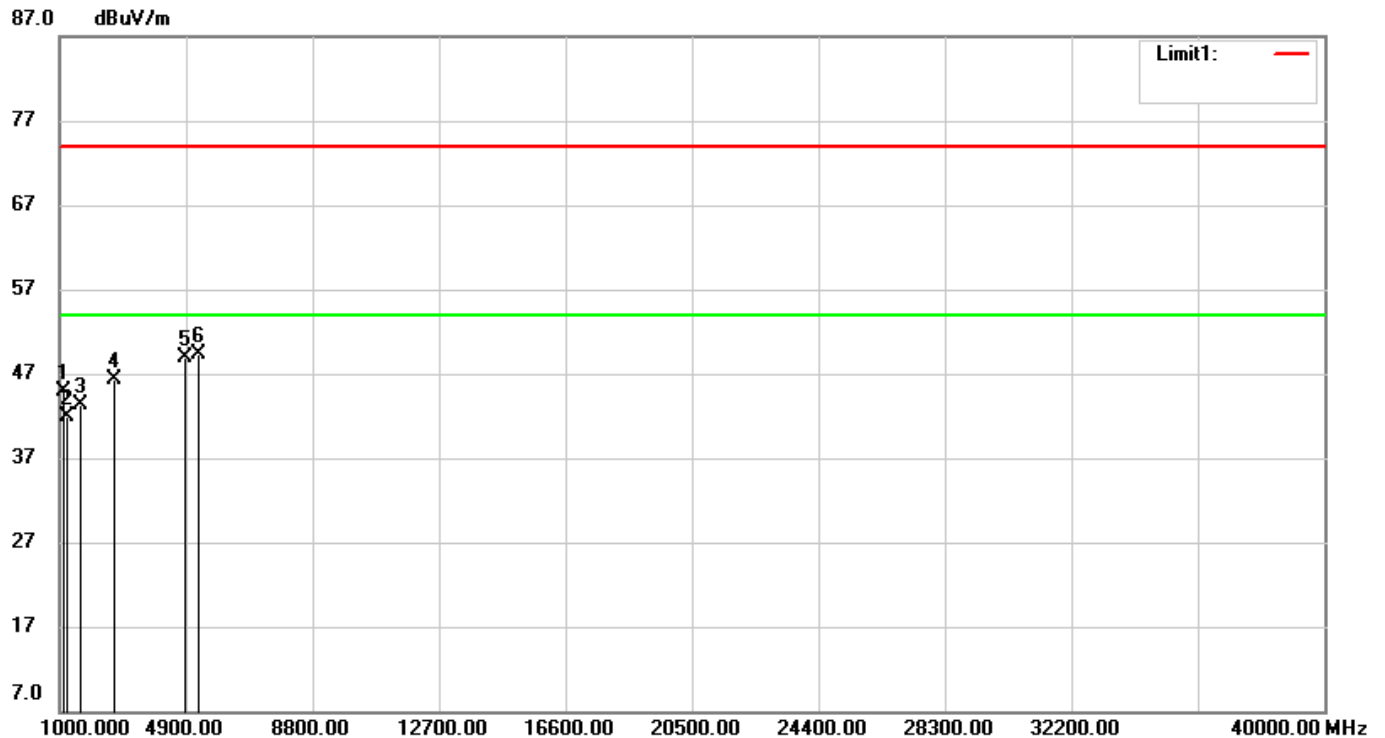
#31

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH HIGH-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1085.96150	54.10	peak	-9.25	44.85	74.00	-29.15
2	1200.57700	50.76	peak	-8.95	41.81	74.00	-32.19
3	1594.56730	50.55	peak	-7.33	43.22	74.00	-30.78
4	2654.75960	48.53	peak	-2.27	46.26	74.00	-27.74
5	4853.94230	47.77	peak	1.12	48.89	74.00	-25.11
6	5290.91340	47.31	peak	2.08	49.39	74.00	-24.61

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：5700 MHz

File: 20-10-MAS-019_5-6a

#32

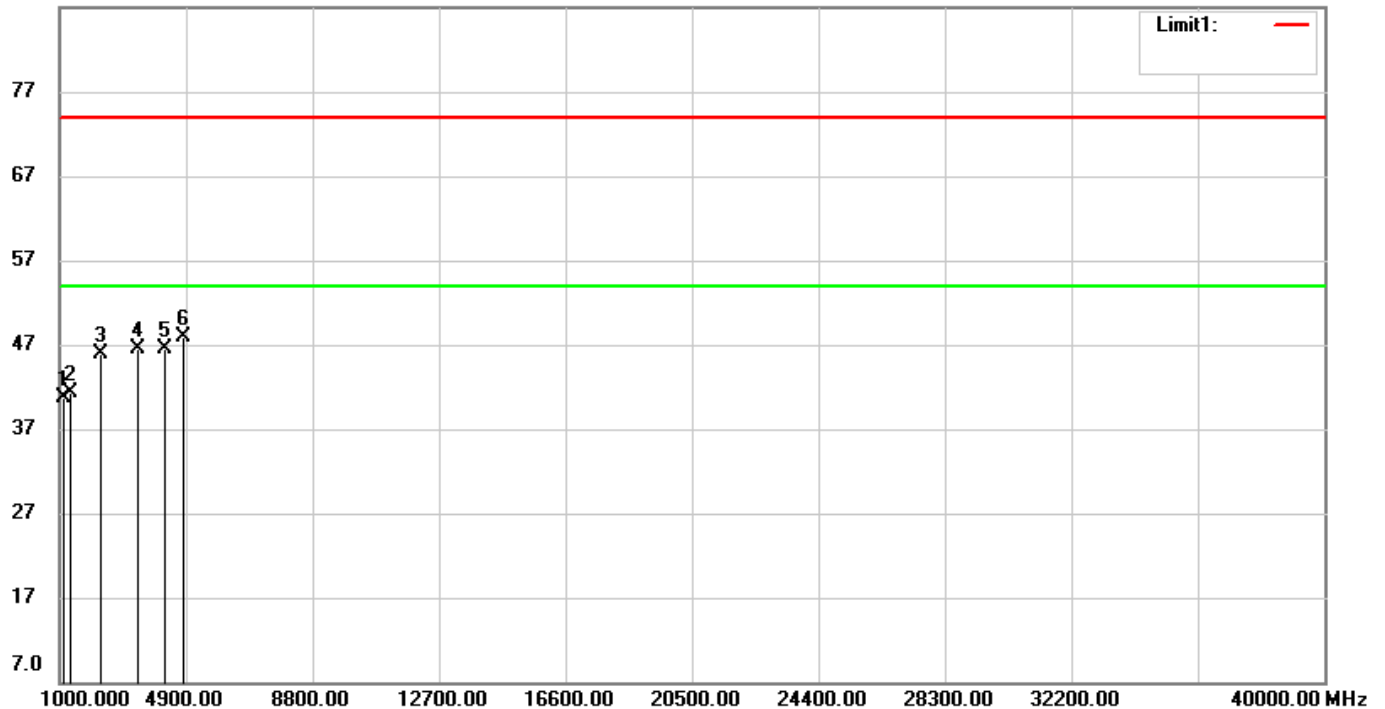
Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %

87.0 dBuV/m



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH HIGH-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	1085.96150	50.01	peak	-9.25	40.76	74.00	-33.24
2	1257.88460	50.16	peak	-8.80	41.36	74.00	-32.64
3	2224.95200	49.06	peak	-3.15	45.91	74.00	-28.09
4	3414.08650	47.79	peak	-1.29	46.50	74.00	-27.50
5	4223.55760	46.32	peak	0.28	46.60	74.00	-27.40
6	4810.96150	46.80	peak	1.04	47.84	74.00	-26.16

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 : 5500 MHz

File: 20-10-MAS-019_5-6ax20

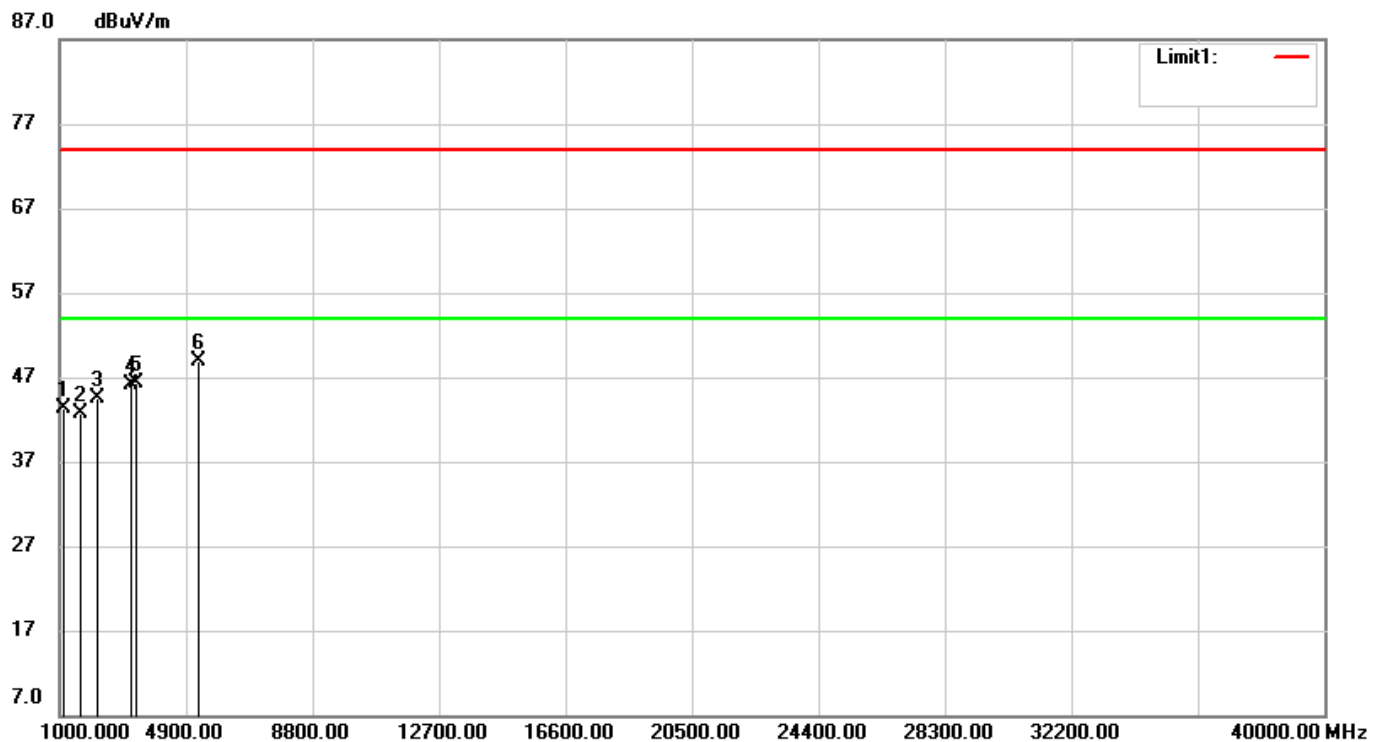
#27

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH LOW-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1078.79800	52.61	peak	-9.26	43.35	74.00	-30.65
2	1594.56730	50.01	peak	-7.33	42.68	74.00	-31.32
3	2131.82700	47.98	peak	-3.39	44.59	74.00	-29.41
4	3177.69230	47.83	peak	-1.64	46.19	74.00	-27.81
5	3356.77880	47.72	peak	-1.38	46.34	74.00	-27.66
6	5255.09610	46.83	peak	2.01	48.84	74.00	-25.16

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：5500 MHz

File: 20-10-MAS-019_5-6ax20

#28

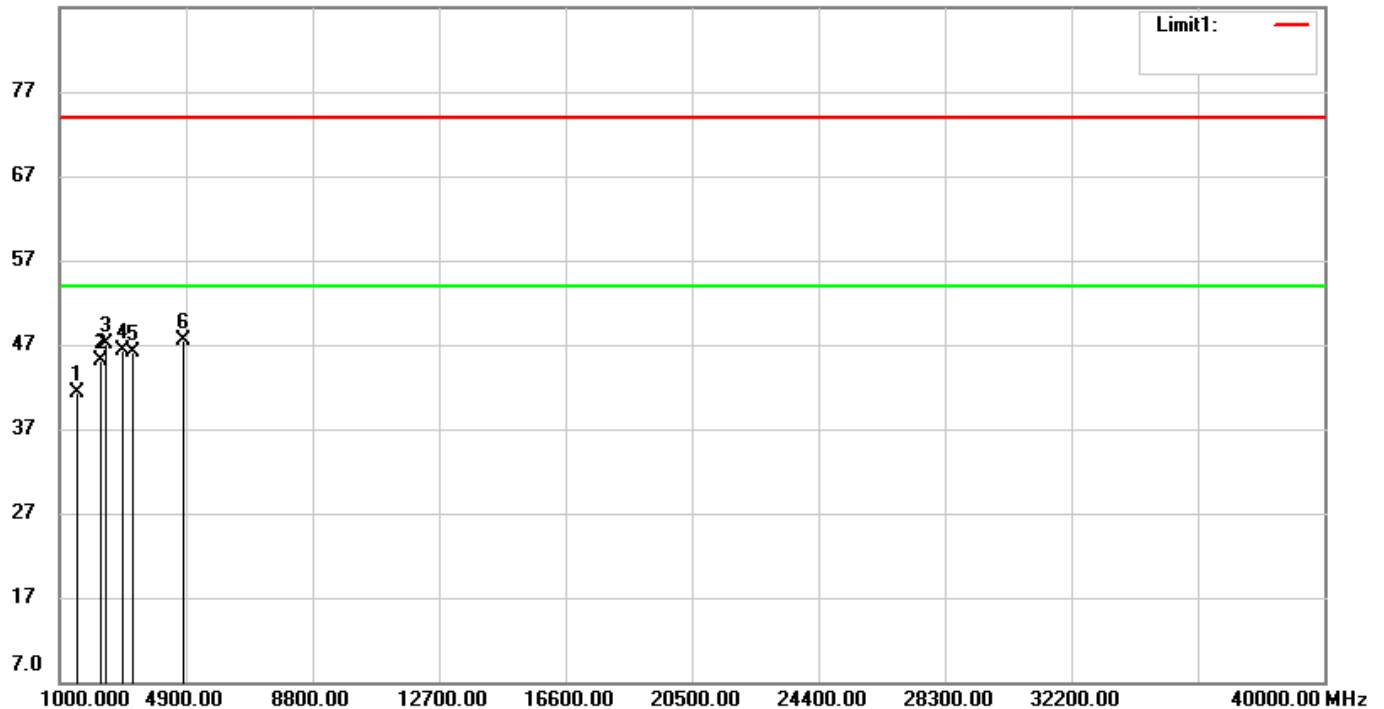
Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %

87.0 dBuV/m



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH LOW-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	1508.60570	49.42	peak	-8.10	41.32	74.00	-32.68
2	2224.95200	48.28	peak	-3.15	45.13	74.00	-28.87
3	2411.20200	49.67	peak	-2.66	47.01	74.00	-26.99
4	2912.64420	48.28	peak	-1.99	46.29	74.00	-27.71
5	3206.34610	47.62	peak	-1.60	46.02	74.00	-27.98
6	4810.96150	46.54	peak	1.04	47.58	74.00	-26.42

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：5580 MHz

File: 20-10-MAS-019_5-6ax20

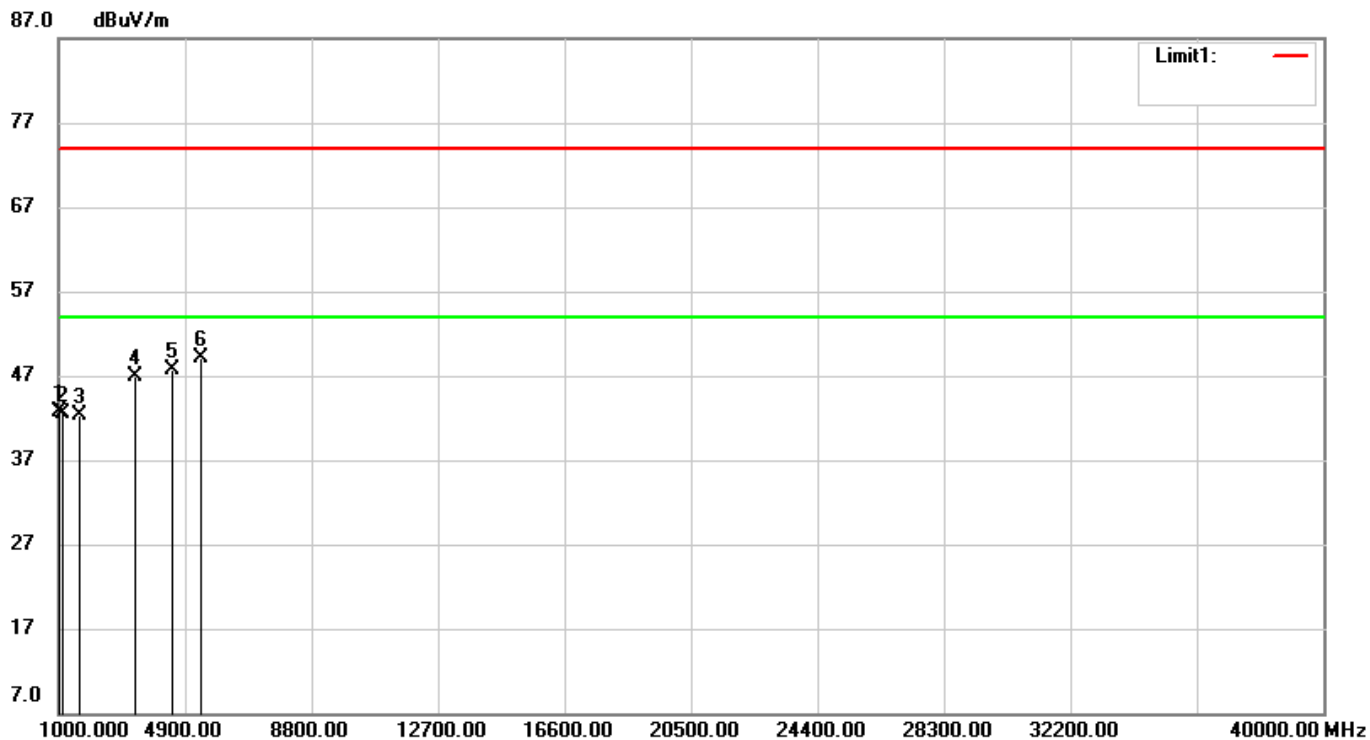
#29

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH MID-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1042.98070	52.10	peak	-9.36	42.74	74.00	-31.26
2	1078.79800	51.85	peak	-9.26	42.59	74.00	-31.41
3	1601.73070	49.55	peak	-7.28	42.27	74.00	-31.73
4	3356.77880	48.24	peak	-1.38	46.86	74.00	-27.14
5	4467.11530	47.26	peak	0.43	47.69	74.00	-26.31
6	5319.56730	46.92	peak	2.16	49.08	74.00	-24.92

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：5580 MHz

File: 20-10-MAS-019_5-6ax20

#30

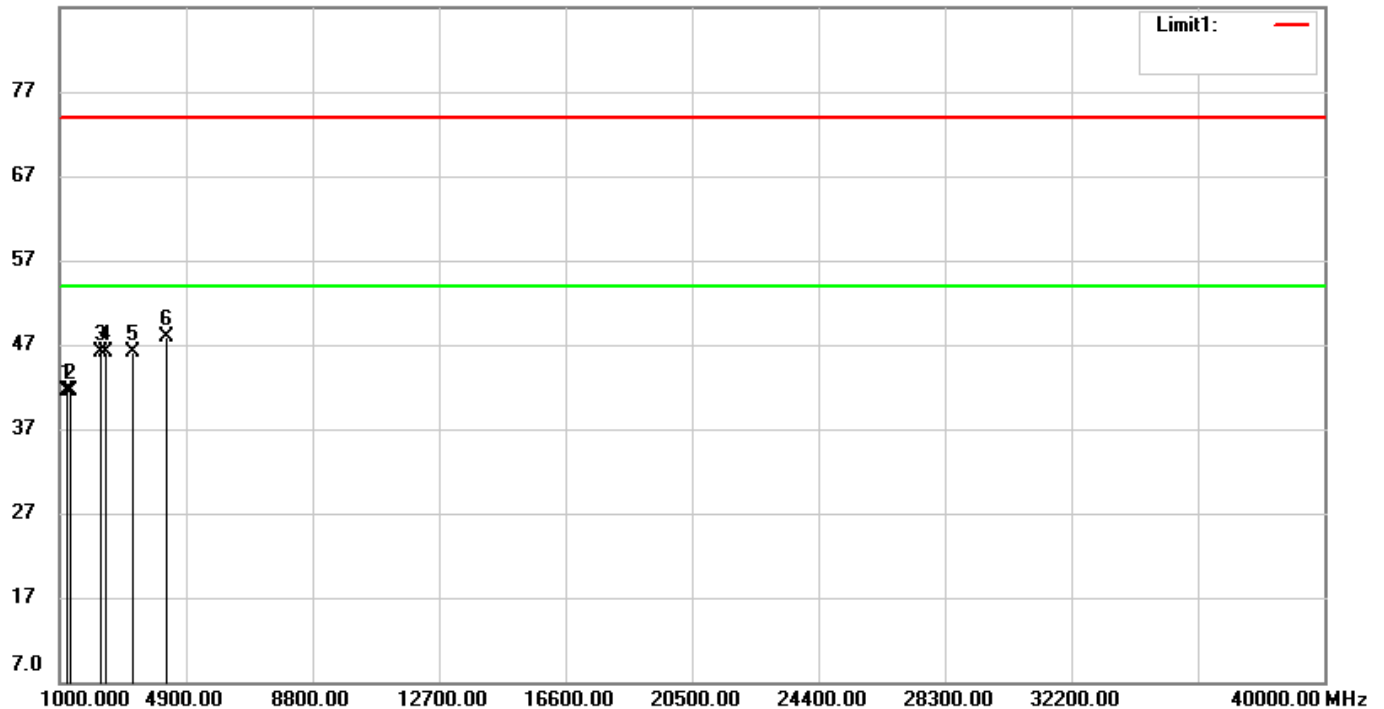
Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %

87.0 dBuV/m



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH MID-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	1200.57700	50.44	peak	-8.95	41.49	74.00	-32.51
2	1257.88460	50.32	peak	-8.80	41.52	74.00	-32.48
3	2224.95200	49.24	peak	-3.15	46.09	74.00	-27.91
4	2411.20200	48.69	peak	-2.66	46.03	74.00	-27.97
5	3227.83650	47.63	peak	-1.57	46.06	74.00	-27.94
6	4259.37500	47.60	peak	0.31	47.91	74.00	-26.09

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

c. Channel High

操作模式：發射接收

基本波頻率：5700 MHz

File: 20-10-MAS-019_5-6ax20

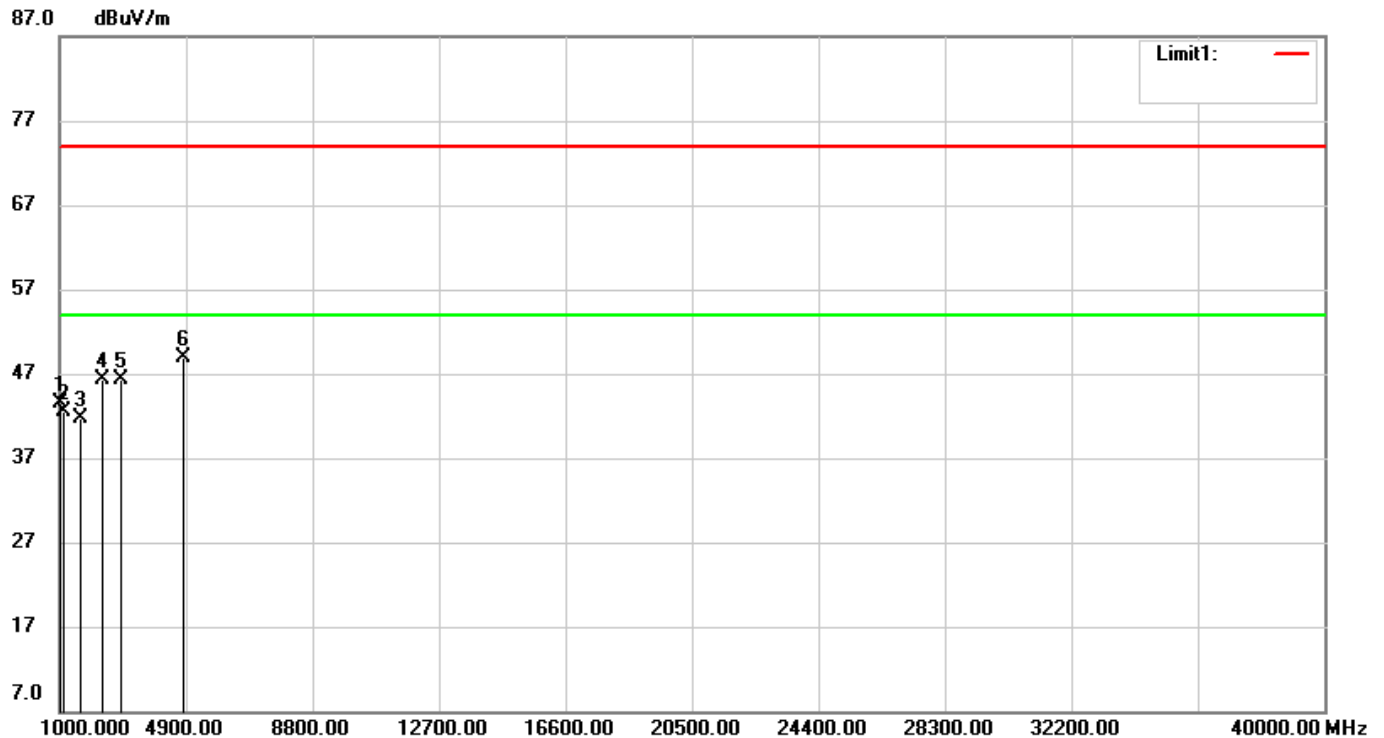
#31

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH HIGH-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1042.98070	52.82	peak	-9.36	43.46	74.00	-30.54
2	1085.96150	51.74	peak	-9.25	42.49	74.00	-31.51
3	1594.56730	49.07	peak	-7.33	41.74	74.00	-32.26
4	2253.60560	49.28	peak	-3.06	46.22	74.00	-27.78
5	2826.68260	48.36	peak	-2.08	46.28	74.00	-27.72
6	4760.81730	47.94	peak	0.95	48.89	74.00	-25.11

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：5700 MHz

File: 20-10-MAS-019_5-6ax20

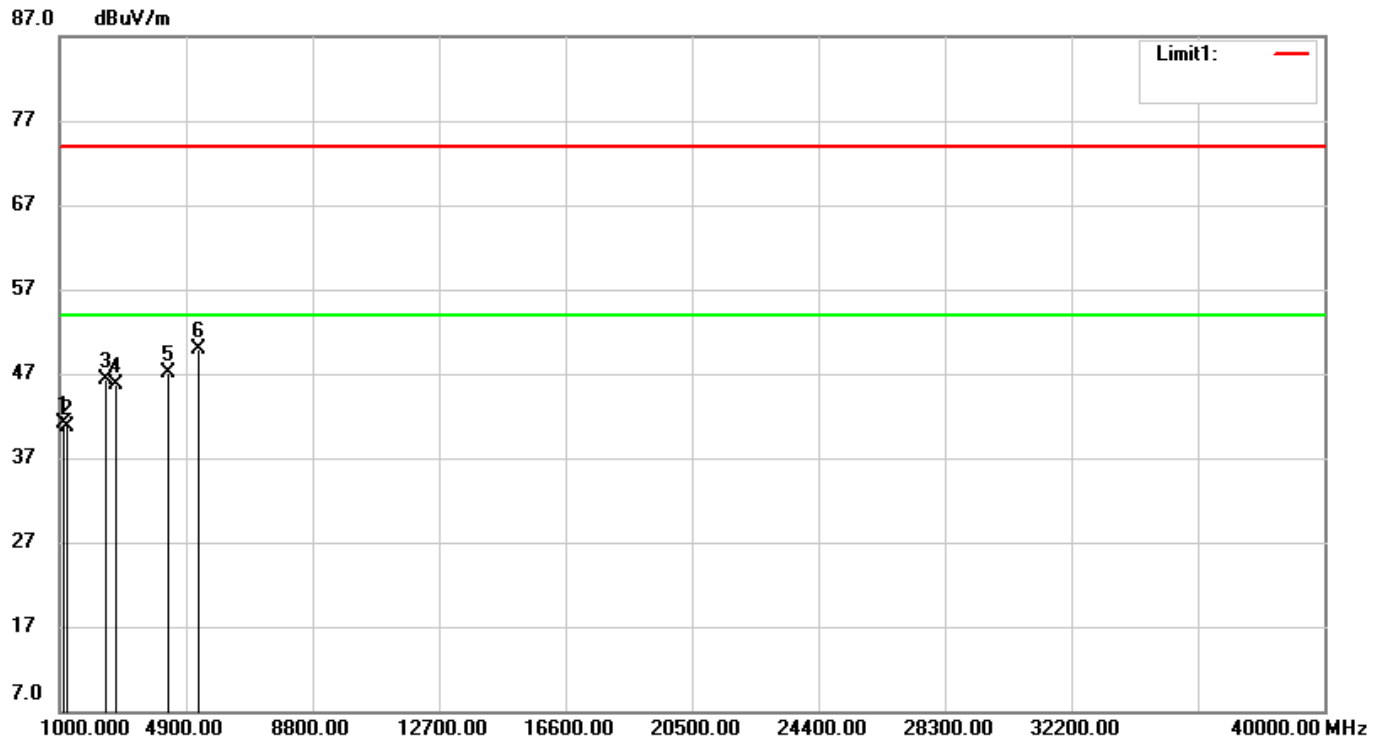
#32

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNH
 Note: CH HIGH-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	1071.63460	50.43	peak	-9.29	41.14	74.00	-32.86
2	1200.57700	49.66	peak	-8.95	40.71	74.00	-33.29
3	2418.36530	49.01	peak	-2.63	46.38	74.00	-27.62
4	2690.57700	47.89	peak	-2.23	45.66	74.00	-28.34
5	4352.50000	46.72	peak	0.36	47.08	74.00	-26.92
6	5269.42300	47.96	peak	2.03	49.99	74.00	-24.01

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

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 : 5510 MHz

File: 20-10-MAS-019_5-6ax40

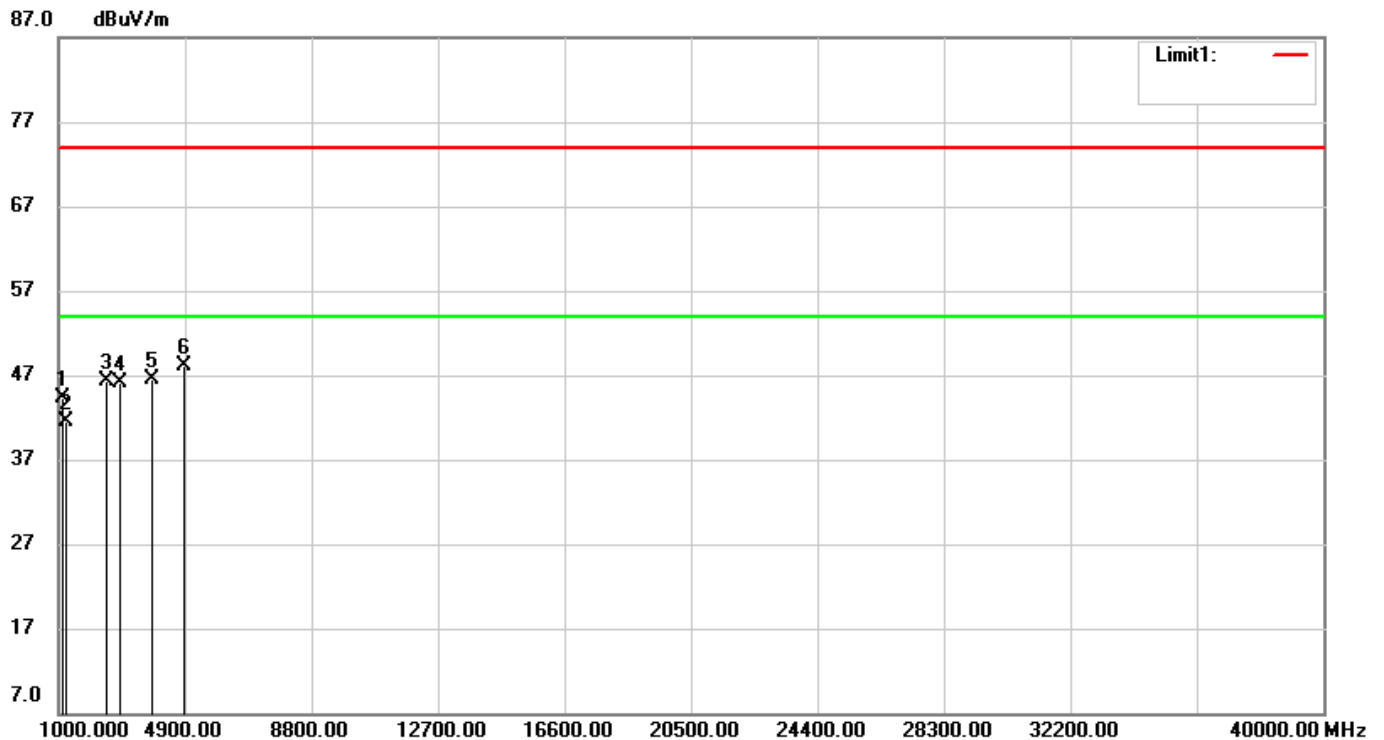
#27

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH LOW-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1078.79800	53.66	peak	-9.26	44.40	74.00	-29.60
2	1229.23070	50.42	peak	-8.88	41.54	74.00	-32.46
3	2447.01920	48.93	peak	-2.56	46.37	74.00	-27.63
4	2855.33650	48.19	peak	-2.06	46.13	74.00	-27.87
5	3865.38460	46.80	peak	-0.21	46.59	74.00	-27.41
6	4861.10570	46.88	peak	1.15	48.03	74.00	-25.97

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：5510 MHz

File: 20-10-MAS-019_5-6ax40

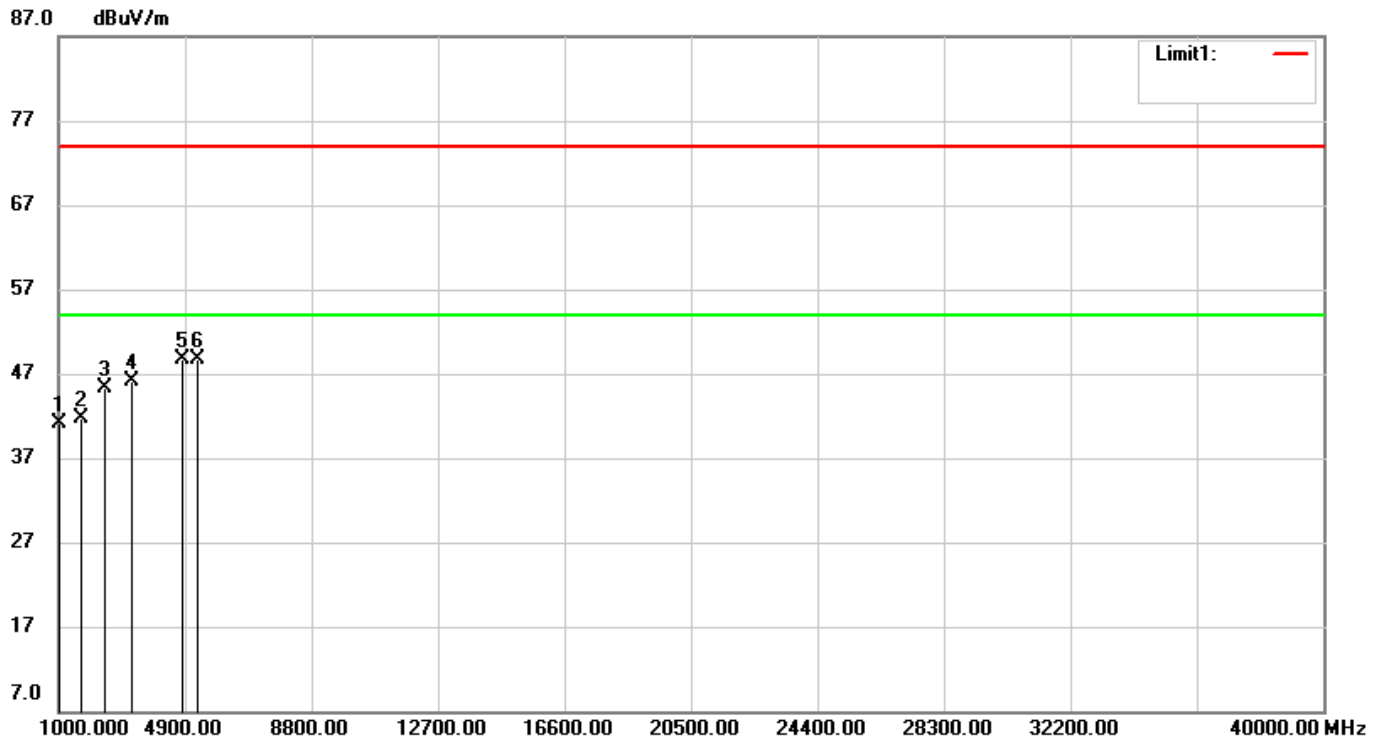
#28

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNH
 Note: CH LOW-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	1057.30760	50.34	peak	-9.32	41.02	74.00	-32.98
2	1637.54800	48.71	peak	-6.96	41.75	74.00	-32.25
3	2411.20200	47.89	peak	-2.66	45.23	74.00	-28.77
4	3220.67300	47.76	peak	-1.58	46.18	74.00	-27.82
5	4803.79800	47.76	peak	1.03	48.79	74.00	-25.21
6	5262.25960	46.75	peak	2.02	48.77	74.00	-25.23

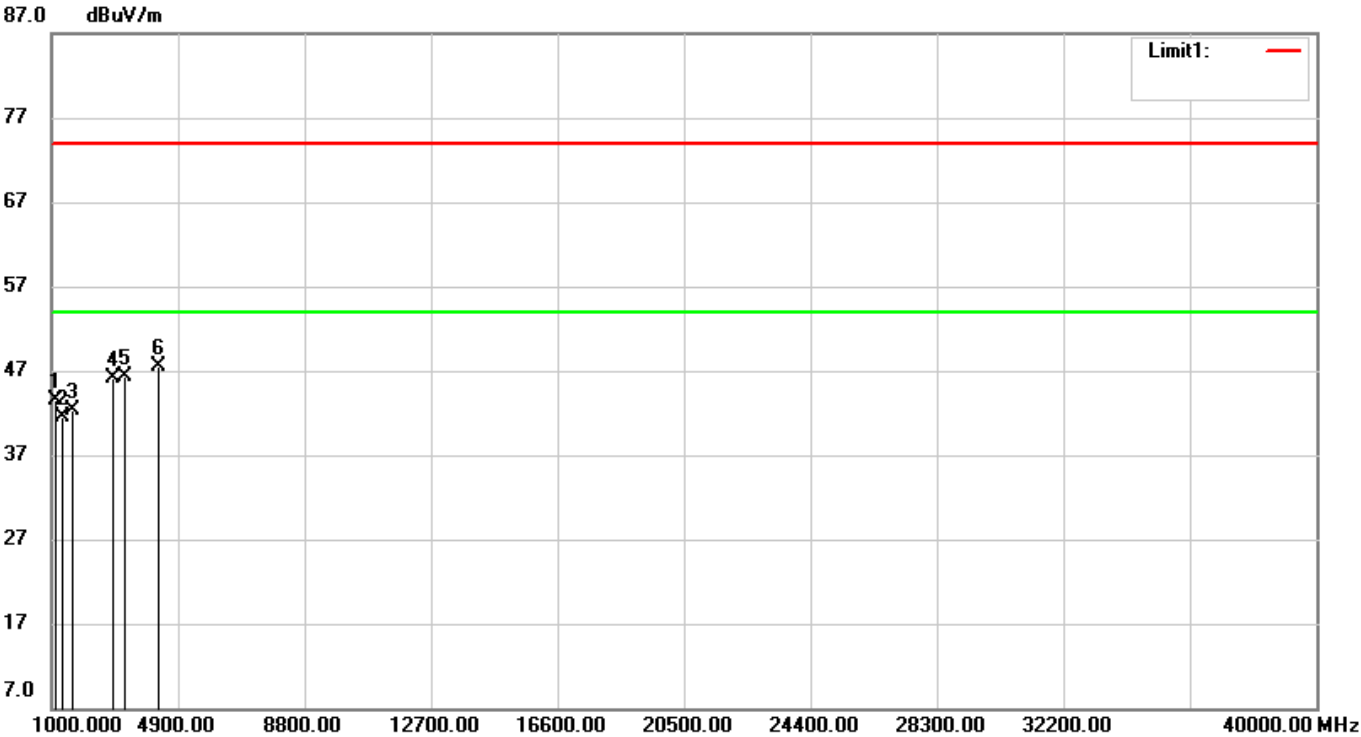
註：1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

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

b. Channel Mid

操作模式：發射接收
基本波頻率：5590 MHz

File: 20-10-MAS-019_5-6ax40 #29 Date: 2020/11/11 Temperature: 22 °C
Site: RE02-EMC B1- N2 Humidity: 58 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: Development Kit for PlayStation5 Distance: 3m
Model: DFI-D1000AA
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	1085.96150	52.81	peak	-9.25	43.56	74.00	-30.44
2	1250.72110	50.23	peak	-8.82	41.41	74.00	-32.59
3	1594.56730	49.67	peak	-7.33	42.34	74.00	-31.66
4	2841.00960	48.13	peak	-2.07	46.06	74.00	-27.94
5	3227.83650	47.81	peak	-1.57	46.24	74.00	-27.76
6	4309.51920	47.14	peak	0.34	47.48	74.00	-26.52

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：5590 MHz

File: 20-10-MAS-019_5-6ax40

#30

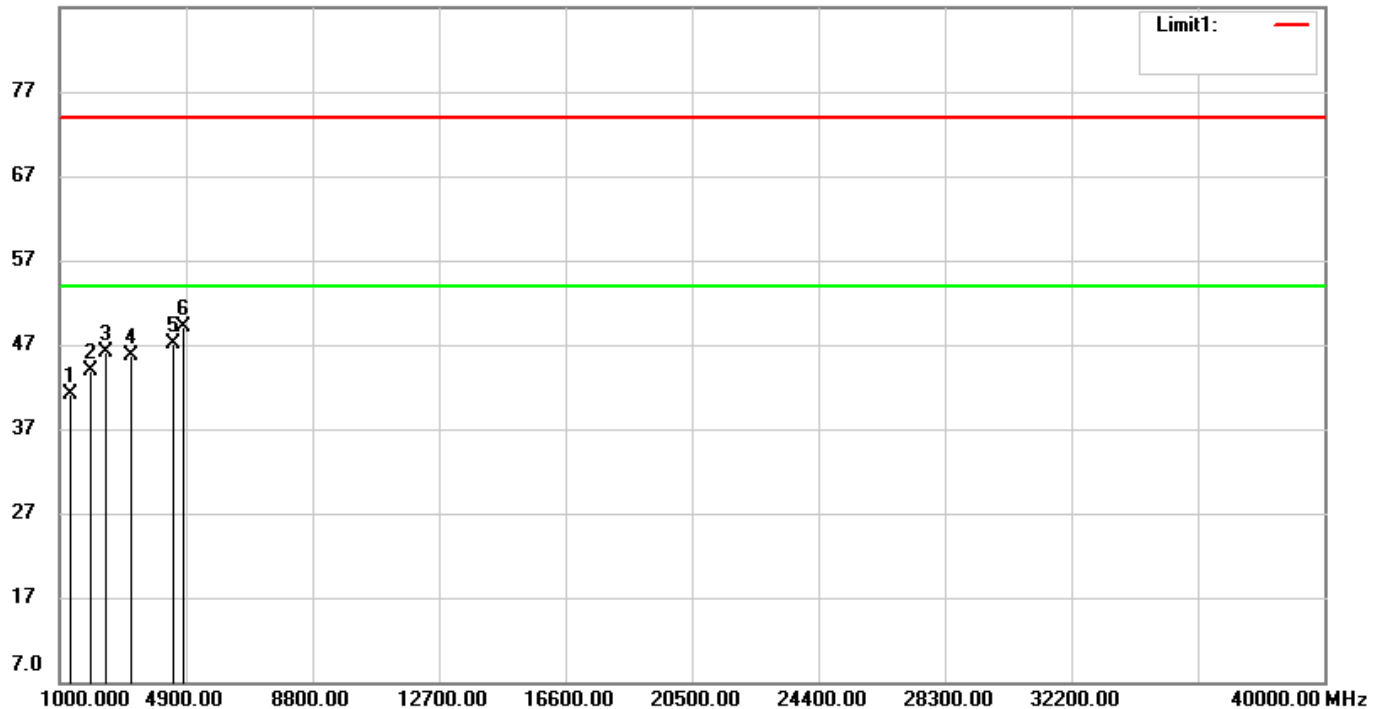
Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %

87.0 dBuV/m



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH MID-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	1257.88460	49.94	peak	-8.80	41.14	74.00	-32.86
2	1888.26920	48.67	peak	-4.73	43.94	74.00	-30.06
3	2411.20200	48.82	peak	-2.66	46.16	74.00	-27.84
4	3177.69230	47.32	peak	-1.64	45.68	74.00	-28.32
5	4445.62500	46.78	peak	0.42	47.20	74.00	-26.80
6	4789.47110	48.14	peak	1.01	49.15	74.00	-24.85

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：5670 MHz

File: 20-10-MAS-019_5-6ax40

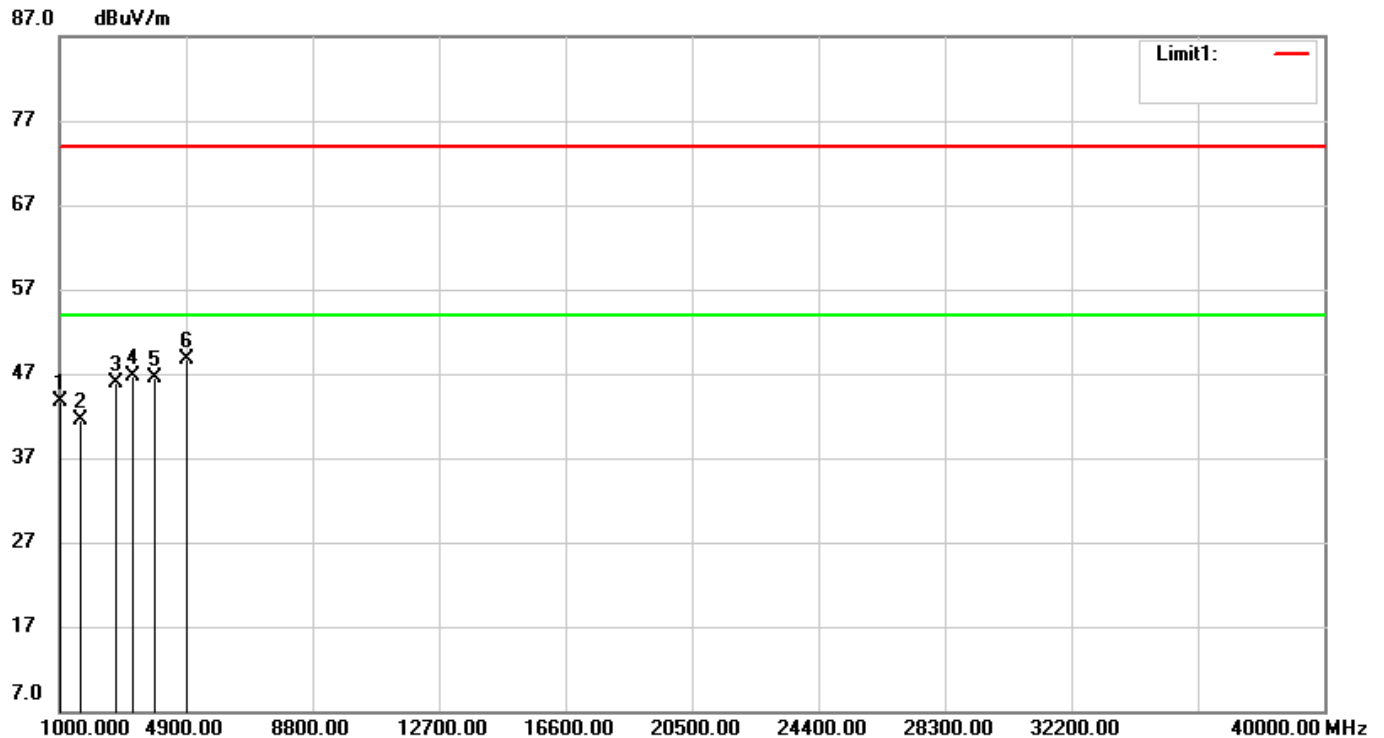
#31

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH HIGH-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1042.98070	53.00	peak	-9.36	43.64	74.00	-30.36
2	1601.73070	48.88	peak	-7.28	41.60	74.00	-32.40
3	2719.23060	48.02	peak	-2.19	45.83	74.00	-28.17
4	3206.34610	48.36	peak	-1.60	46.76	74.00	-27.24
5	3908.36530	46.66	peak	-0.10	46.56	74.00	-27.44
6	4875.43260	47.56	peak	1.17	48.73	74.00	-25.27

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：5670 MHz

File: 20-10-MAS-019_5-6ax40

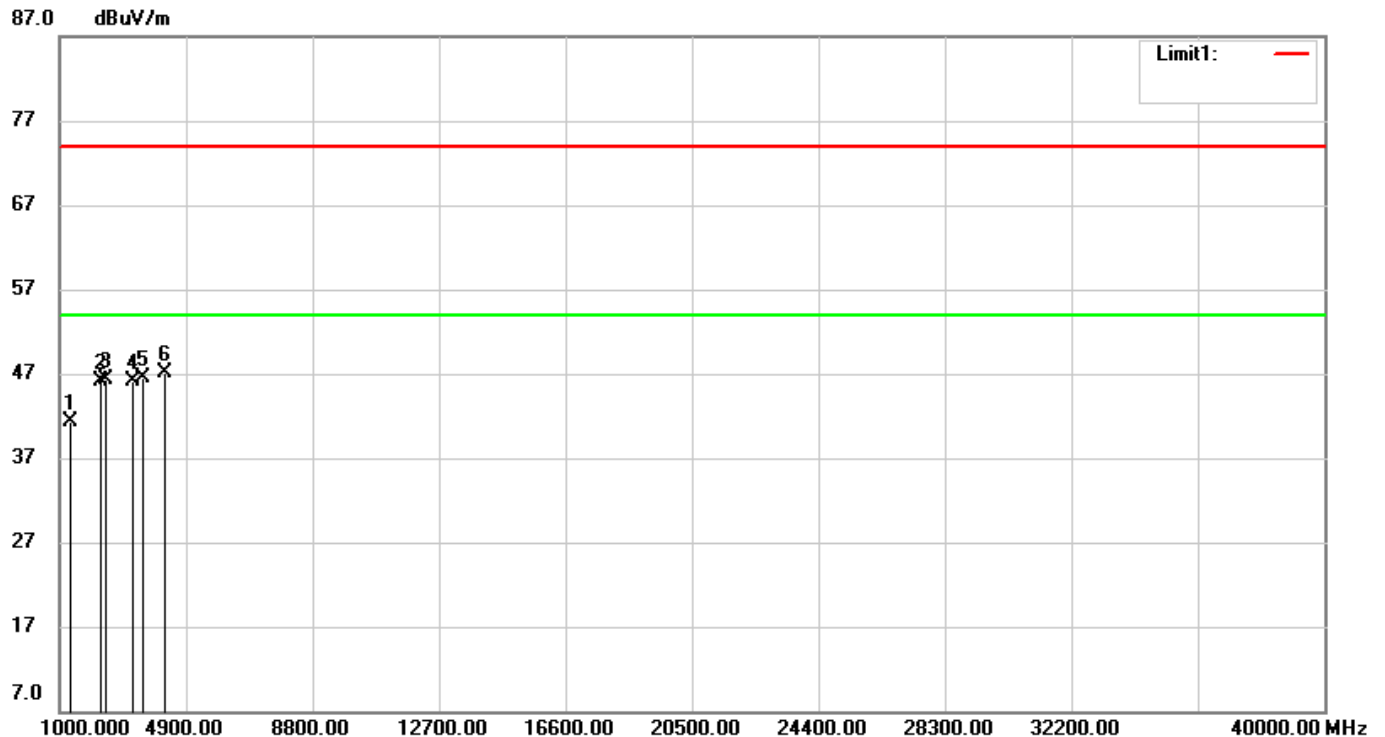
#32

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNH
 Note: CH HIGH-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	1257.88460	50.05	peak	-8.80	41.25	74.00	-32.75
2	2224.95200	49.31	peak	-3.15	46.16	74.00	-27.84
3	2418.36530	48.86	peak	-2.63	46.23	74.00	-27.77
4	3199.18260	47.69	peak	-1.61	46.08	74.00	-27.92
5	3535.86530	47.55	peak	-1.08	46.47	74.00	-27.53
6	4237.88460	46.72	peak	0.29	47.01	74.00	-26.99

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)

a. Channel Low

操作模式：發射接收

基本波頻率：5530 MHz

File: 20-10-MAS-019_5-6ax80

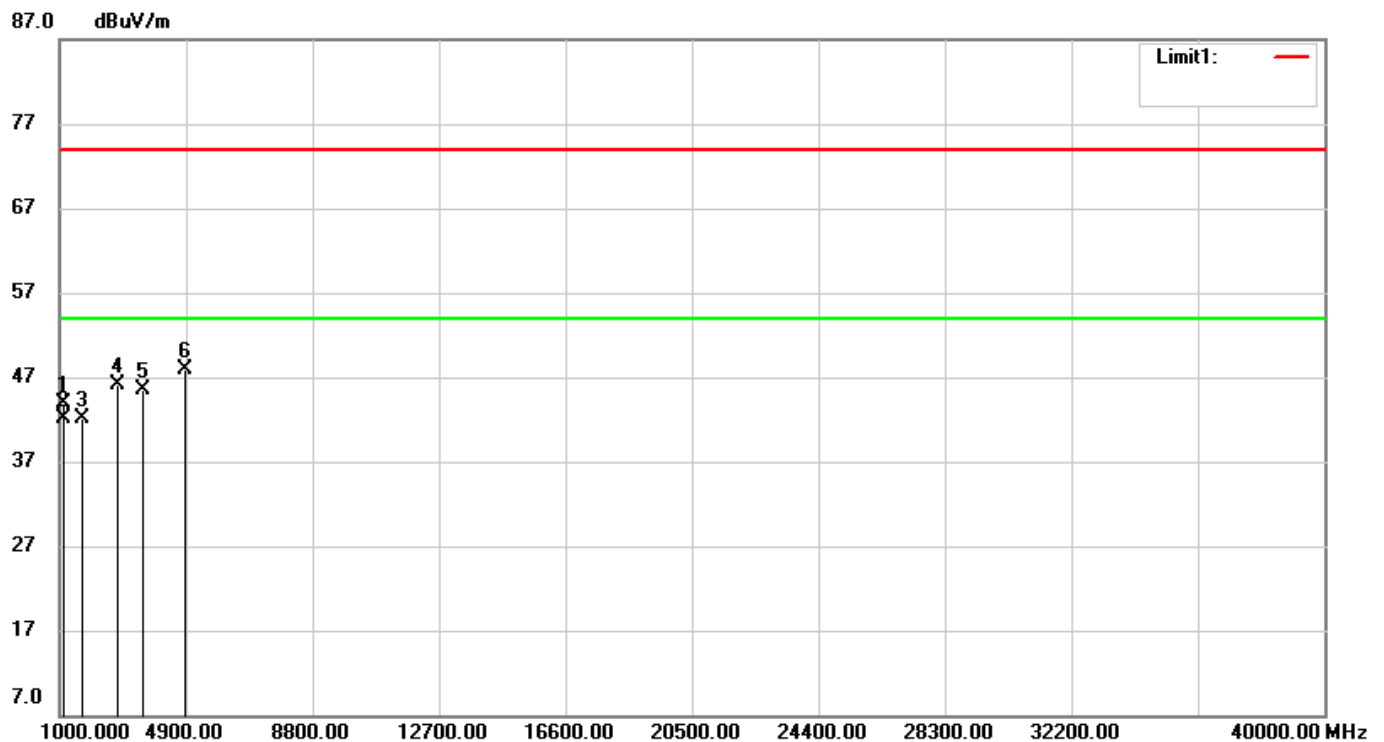
#21

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH LOW-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1071.63460	53.16	peak	-9.29	43.87	74.00	-30.13
2	1114.61530	51.19	peak	-9.17	42.02	74.00	-31.98
3	1630.38460	49.04	peak	-7.02	42.02	74.00	-31.98
4	2805.19230	48.23	peak	-2.11	46.12	74.00	-27.88
5	3500.04800	46.65	peak	-1.17	45.48	74.00	-28.52
6	4839.61530	46.81	peak	1.11	47.92	74.00	-26.08

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：5530 MHz

File: 20-10-MAS-019_5-6ax80

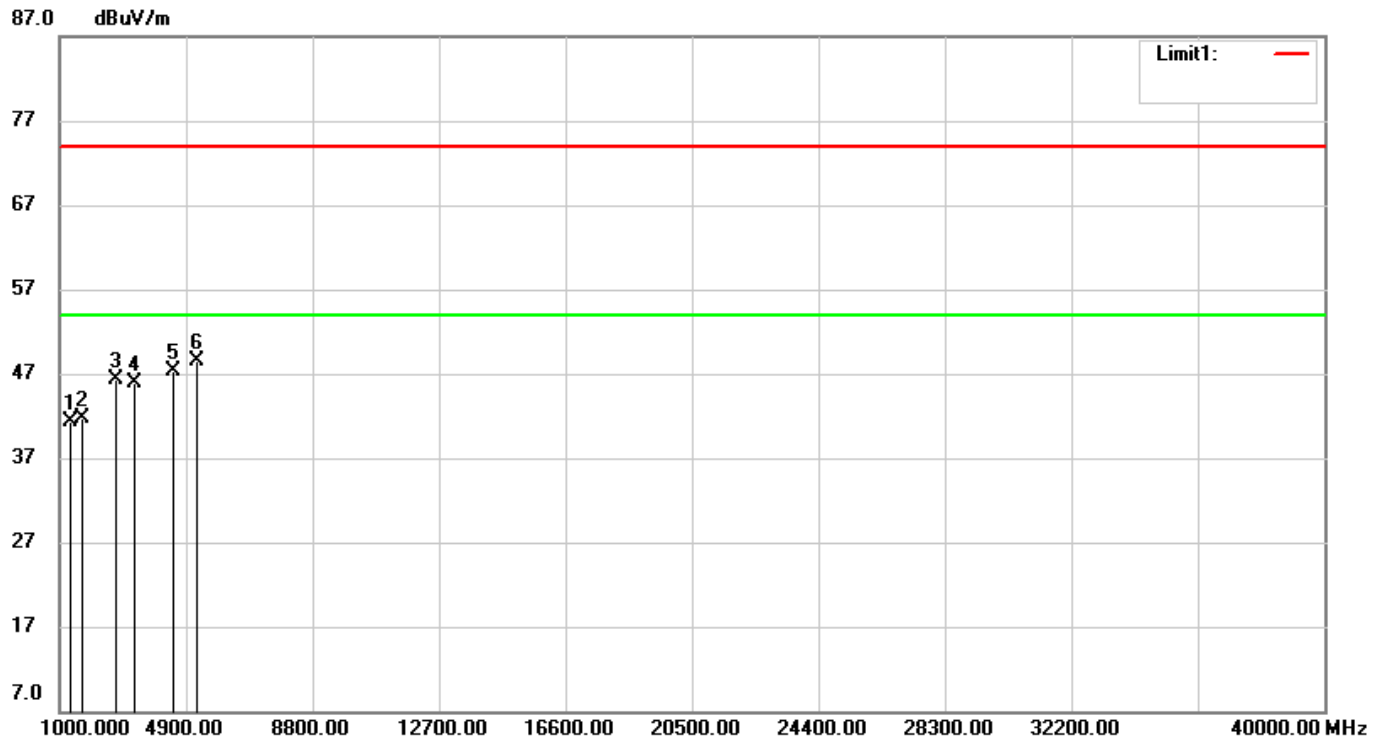
#22

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNH
 Note: CH LOW-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	1257.88460	50.02	peak	-8.80	41.22	74.00	-32.78
2	1630.38460	48.69	peak	-7.02	41.67	74.00	-32.33
3	2740.72110	48.41	peak	-2.17	46.24	74.00	-27.76
4	3256.49030	47.37	peak	-1.53	45.84	74.00	-28.16
5	4481.44230	46.86	peak	0.45	47.31	74.00	-26.69
6	5240.76920	46.64	peak	1.96	48.60	74.00	-25.40

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：5610 MHz

File: 20-10-MAS-019_5-6ax80

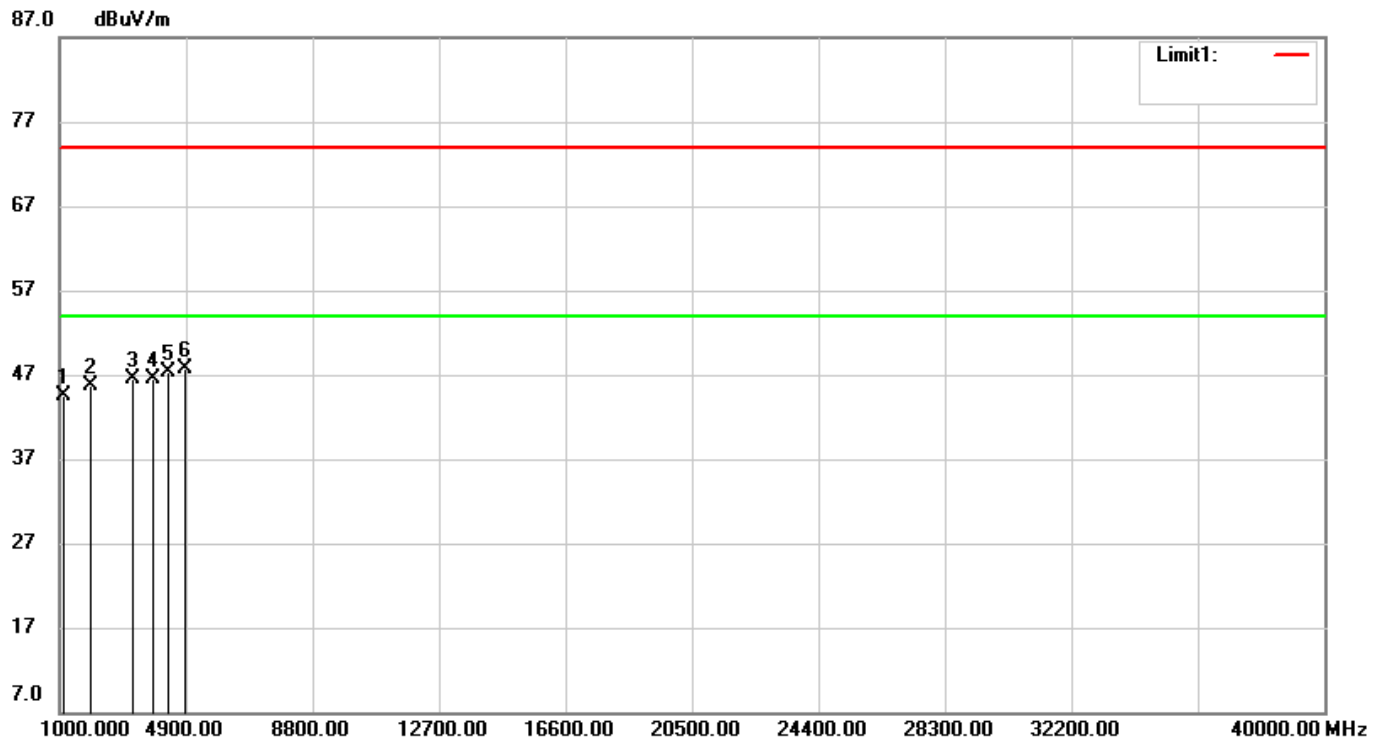
#23

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: CH HIGH-1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1085.96150	53.84	peak	-9.25	44.59	74.00	-29.41
2	1931.25000	50.03	peak	-4.34	45.69	74.00	-28.31
3	3199.18260	48.08	peak	-1.61	46.47	74.00	-27.53
4	3815.24030	46.83	peak	-0.34	46.49	74.00	-27.51
5	4366.82700	46.93	peak	0.37	47.30	74.00	-26.70
6	4832.45200	46.56	peak	1.09	47.65	74.00	-26.35

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：5610 MHz

File: 20-10-MAS-019_5-6ax80

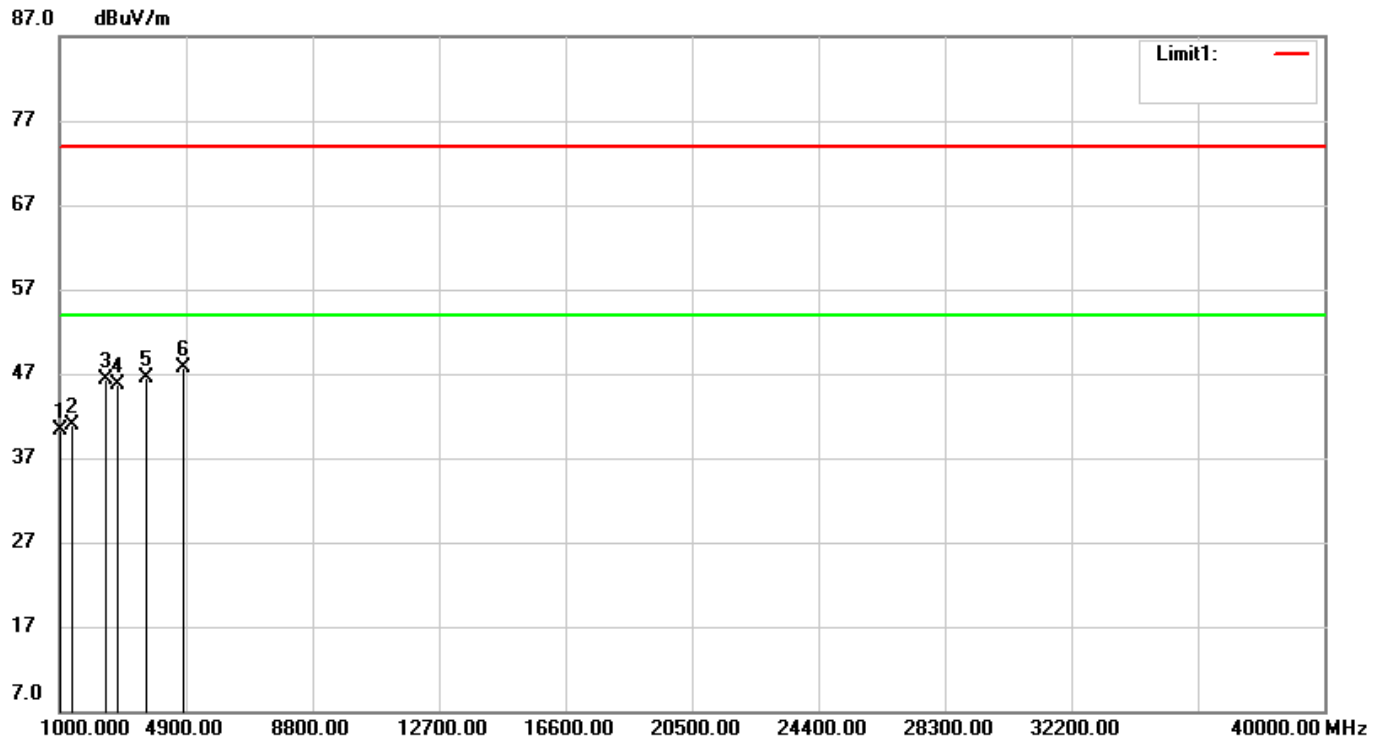
#24

Date: 2020/11/11

Temperature: 22 °C

Site: RE02-EMC B1- N2

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNH
 Note: CH HIGH-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	1042.98070	49.73	peak	-9.36	40.37	74.00	-33.63
2	1365.33650	49.38	peak	-8.52	40.86	74.00	-33.14
3	2411.20200	48.98	peak	-2.66	46.32	74.00	-27.68
4	2798.02880	47.72	peak	-2.11	45.61	74.00	-28.39
5	3671.97110	47.22	peak	-0.71	46.51	74.00	-27.49
6	4789.47110	46.69	peak	1.01	47.70	74.00	-26.30

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

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

10.5.2.5 Normal Mode

操作模式：Mode J

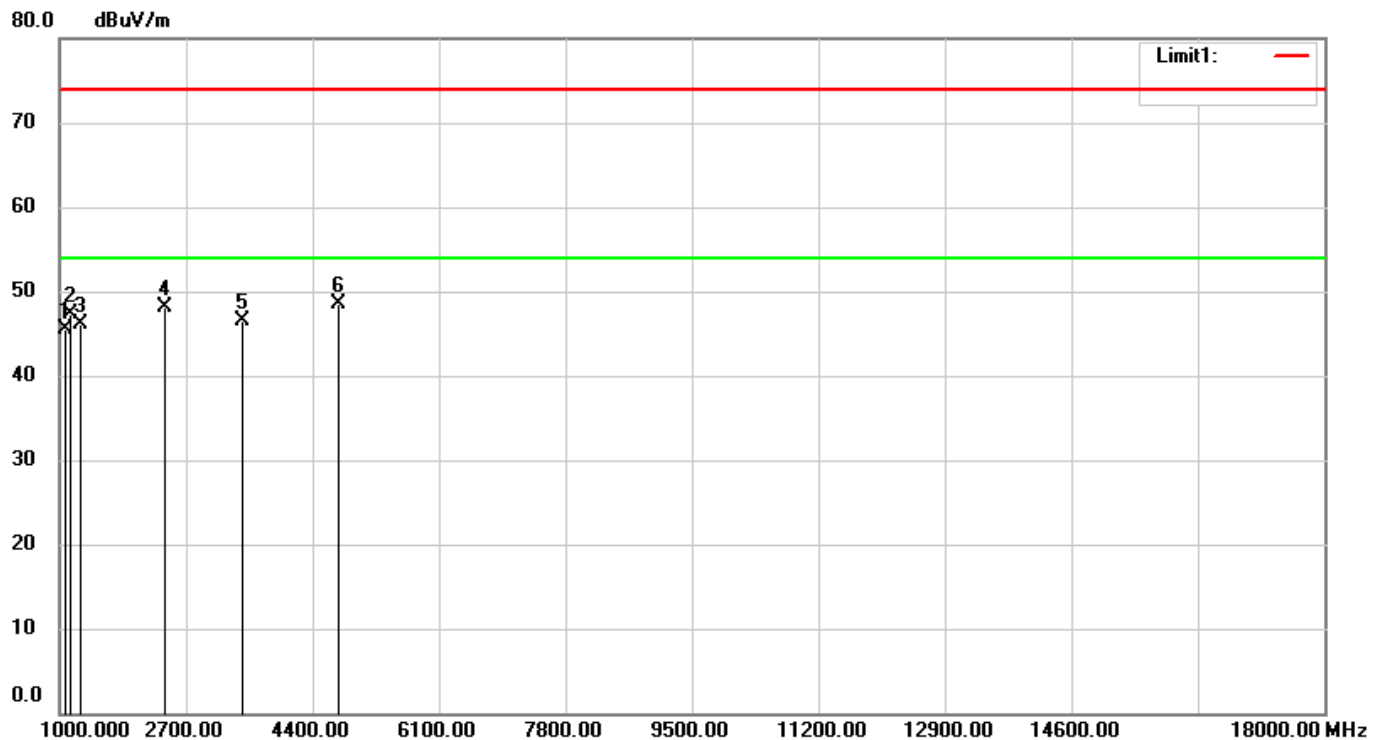
File: 20-10-MAS-019_Above 1G
 Site: RE02-EMC B1- N2

#13

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Normal1
 Note: HDMI+USB+BT+LAN

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1078.52540	54.83	peak	-9.26	45.57	74.00	-28.43
2	1112.17930	56.48	peak	-9.18	47.30	74.00	-26.70
3	1269.23070	54.94	peak	-8.77	46.17	74.00	-27.83
4	2413.46140	50.69	peak	-2.66	48.03	74.00	-25.97
5	3445.51270	47.80	peak	-1.25	46.55	74.00	-27.45
6	4758.01280	47.59	peak	0.95	48.54	74.00	-25.46

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: Mode J

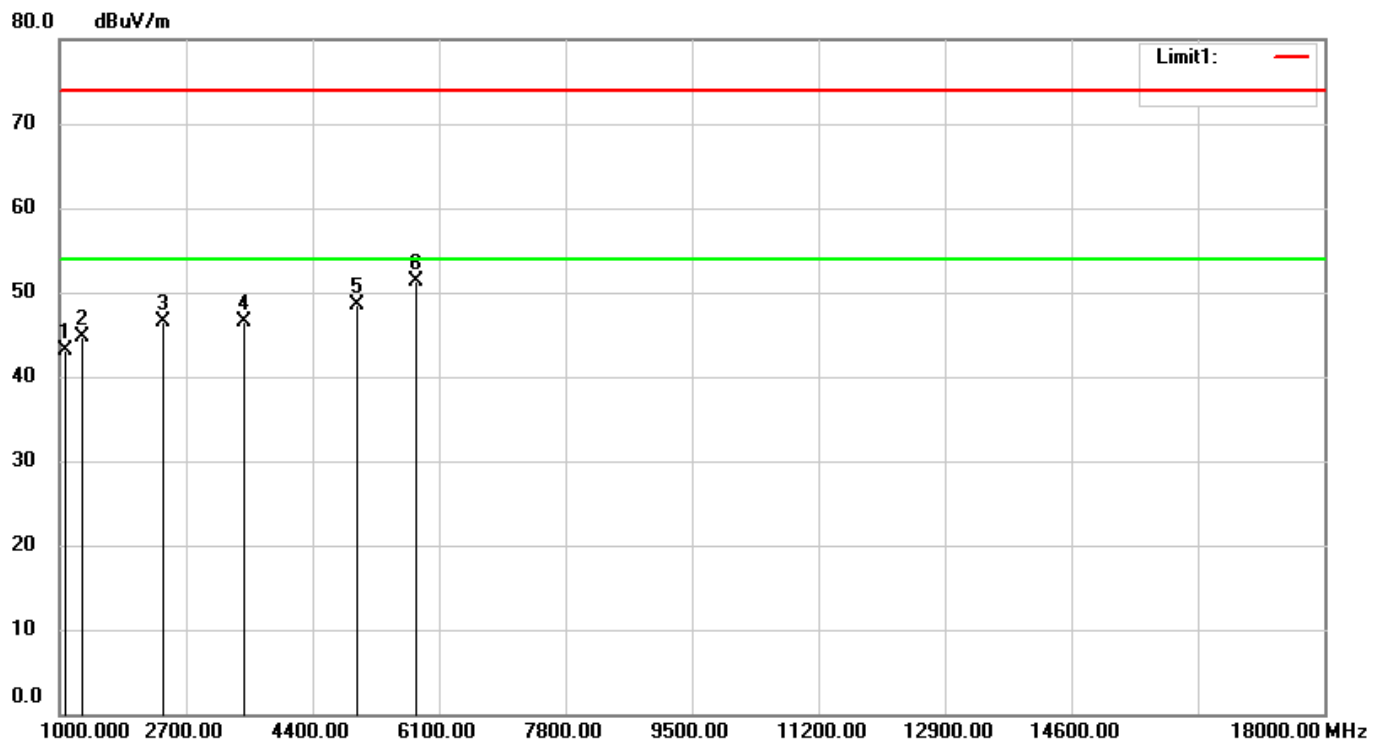
File: 20-10-MAS-019_Above 1G
 Site: RE02-EMC B1- N2

#12

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Normal1
 Note: HDMI+USB+BT+LAN

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	1067.30760	52.39	peak	-9.29	43.10	74.00	-30.90
2	1291.66660	53.48	peak	-8.72	44.76	74.00	-29.24
3	2379.80760	49.27	peak	-2.74	46.53	74.00	-27.47
4	3467.94860	47.82	peak	-1.22	46.60	74.00	-27.40
5	5004.80760	47.04	peak	1.42	48.46	74.00	-25.54
6	5790.06410	48.72	peak	2.53	51.25	74.00	-22.75

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

操作模式：Mode K

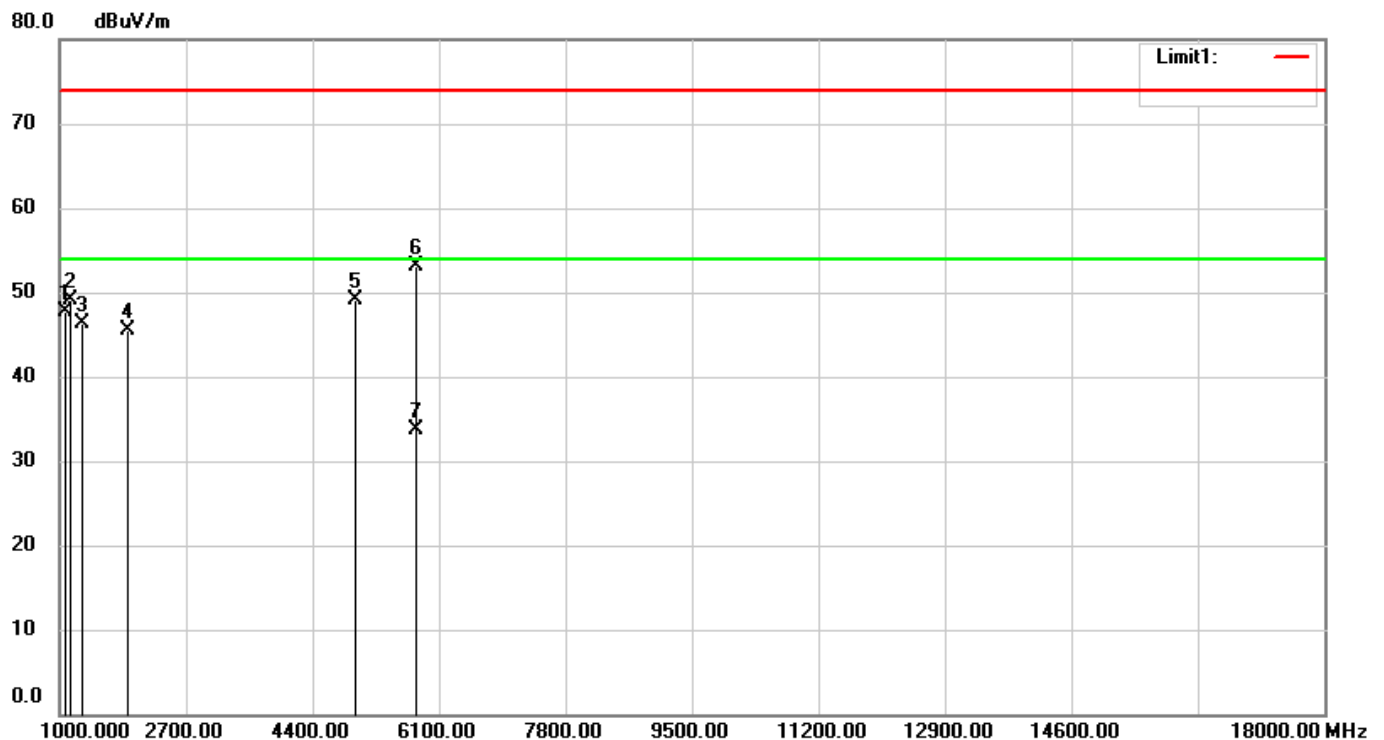
File: 20-10-MAS-019_Above 1G
 Site: RE02-EMC B1- N2

#11

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Normal2
 Note: HDMI+USB+BT+WIFI

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1067.30760	56.98	peak	-9.29	47.69	74.00	-26.31
2	1112.17930	58.29	peak	-9.18	49.11	74.00	-24.89
3	1291.66660	55.09	peak	-8.72	46.37	74.00	-27.63
4	1919.87150	50.01	peak	-4.44	45.57	74.00	-28.43
5	4971.15380	47.66	peak	1.36	49.02	74.00	-24.98
6	5790.06410	50.57	peak	2.53	53.10	74.00	-20.90
7	5790.06410	31.13	AVG	2.53	33.66	54.00	-20.34

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: Mode K

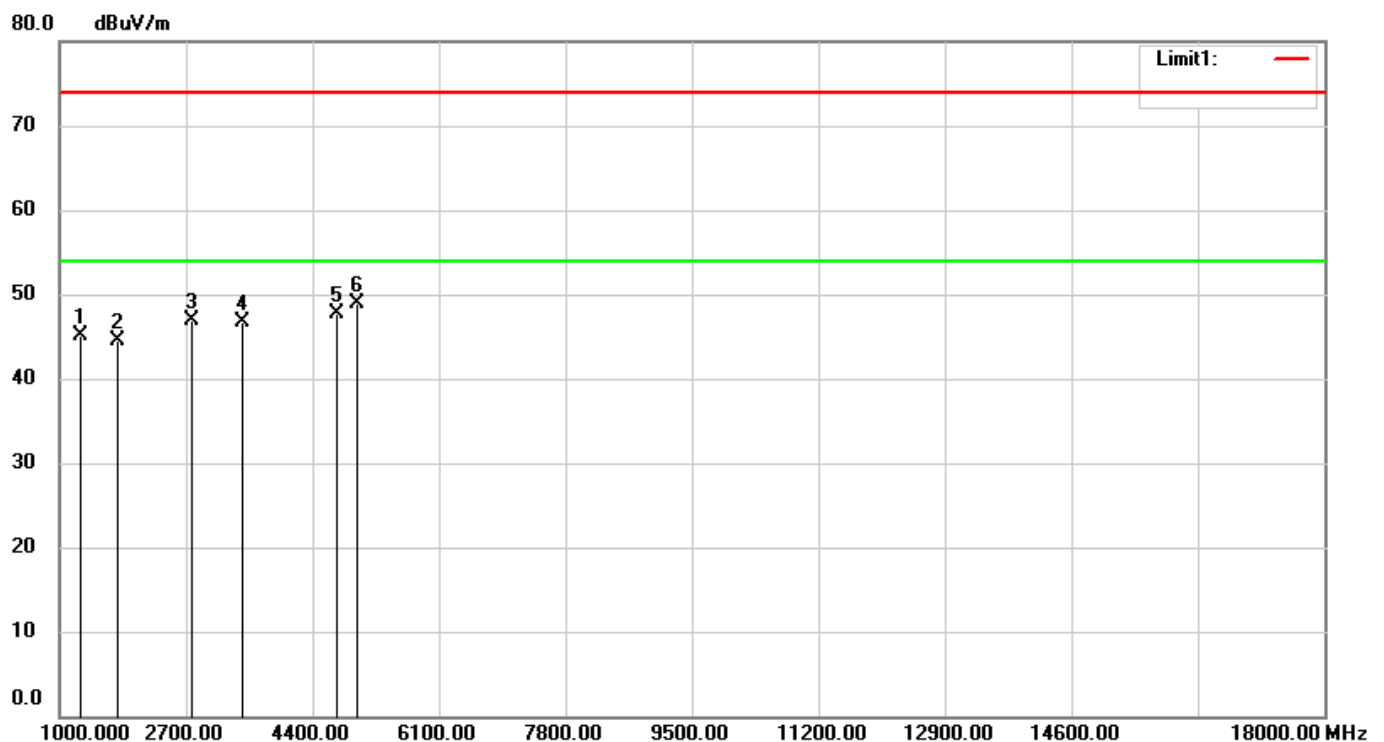
File: 20-10-MAS-019_Above 1G
 Site: RE02-EMC B1- N2

#10

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_Above1G_Pk
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Normal2
 Note: HDMI+USB+BT+WIFI

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	1258.01250	53.82	peak	-8.80	45.02	74.00	-28.98
2	1785.25630	50.11	peak	-5.64	44.47	74.00	-29.53
3	2750.00000	49.06	peak	-2.16	46.90	74.00	-27.10
4	3434.29480	47.93	peak	-1.27	46.66	74.00	-27.34
5	4713.14100	46.84	peak	0.87	47.71	74.00	-26.29
6	4993.58970	47.43	peak	1.40	48.83	74.00	-25.17

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 802.11ax40

File: 20-10-MAS-019_Below 1G

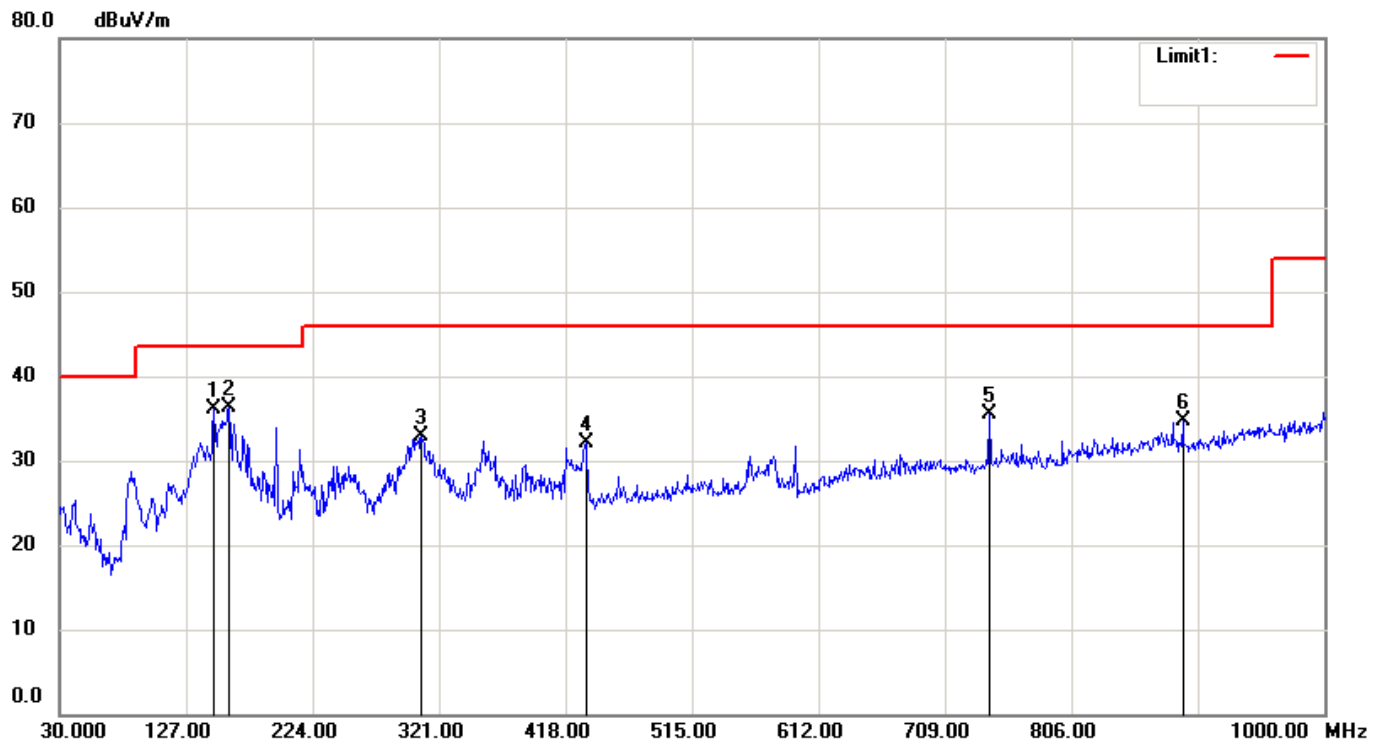
#5

Date: 2020/11/12

Temperature: 22 °C

Site: RE02-EMC B1-N2

Humidity: 58 %



Condition: NCC_LP0002_30-1000MHz
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Band3
 Note:

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	148.3400	40.90	QP	-4.85	36.05	43.50	-7.45
2*	159.9800	42.66	QP	-6.44	36.22	43.50	-7.28
3	307.4200	37.20	QP	-4.27	32.93	46.00	-13.07
4	433.5200	34.05	QP	-1.91	32.14	46.00	-13.86
5	742.9500	32.70	QP	2.85	35.55	46.00	-10.45
6	891.3600	29.04	QP	5.66	34.70	46.00	-11.30

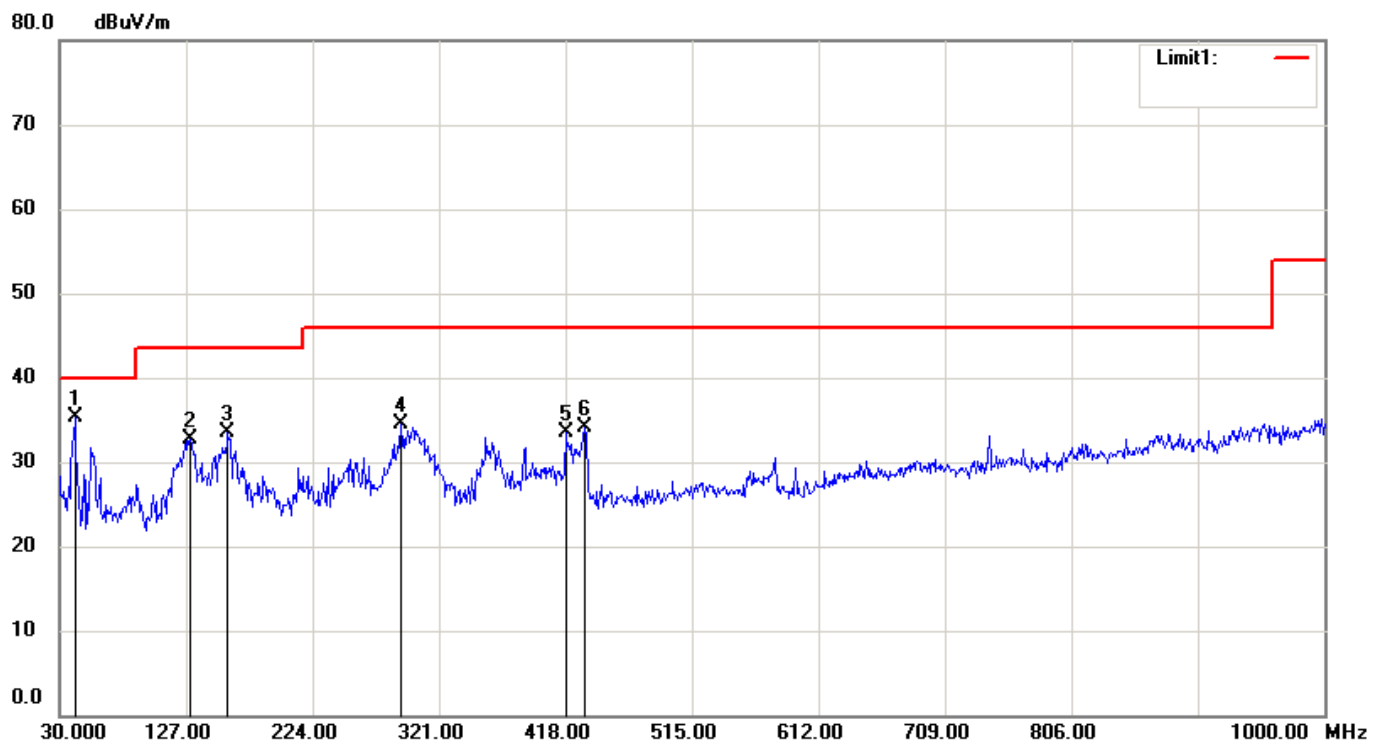
File: 20-10-MAS-019_Below 1G
Site: RE02-EMC B1-N2

#6

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_LP0002_30-1000MHz
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: Band3
Note:

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	41.6400	40.90	QP	-5.59	35.31	40.00	-4.69
2	129.9100	36.18	QP	-3.48	32.70	43.50	-10.80
3	159.0100	39.75	QP	-6.31	33.44	43.50	-10.06
4	291.9000	39.00	QP	-4.53	34.47	46.00	-11.53
5	418.0000	35.35	QP	-1.90	33.45	46.00	-12.55
6	432.5500	36.00	QP	-1.91	34.09	46.00	-11.91

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 ($30\text{MHz} \leq f < 1\text{GHz}$)

10.5.3.2 測試狀態: Mode J

File: 20-10-MAS-019_Below 1G

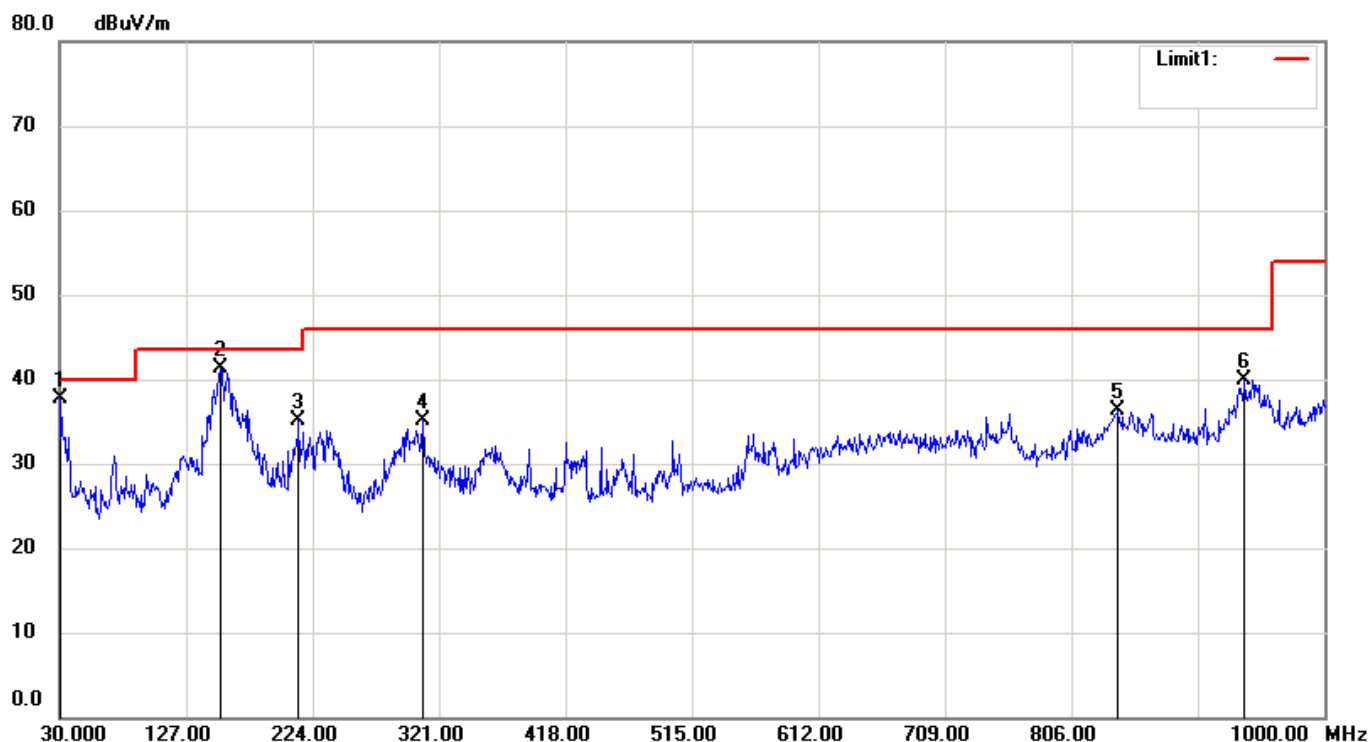
#23

Date: 2020/11/12

Temperature: 22 °C

Site: RE02-EMC B1-N2

Humidity: 58 %



Condition: NCC_LP0002_30-1000MHz
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: Normal1
 Note: HDMI+USB+BT+LAN

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	30.9700	41.33	QP	-3.64	37.69	40.00	-2.31
2*	153.1900	46.74	QP	-5.49	41.25	43.50	-2.25
3	213.3300	44.09	QP	-8.89	35.20	43.50	-8.30
4	308.3900	39.30	QP	-4.25	35.05	46.00	-10.95
5	841.8900	31.34	QP	4.92	36.26	46.00	-9.74
6	938.8900	33.20	QP	6.79	39.99	46.00	-6.01

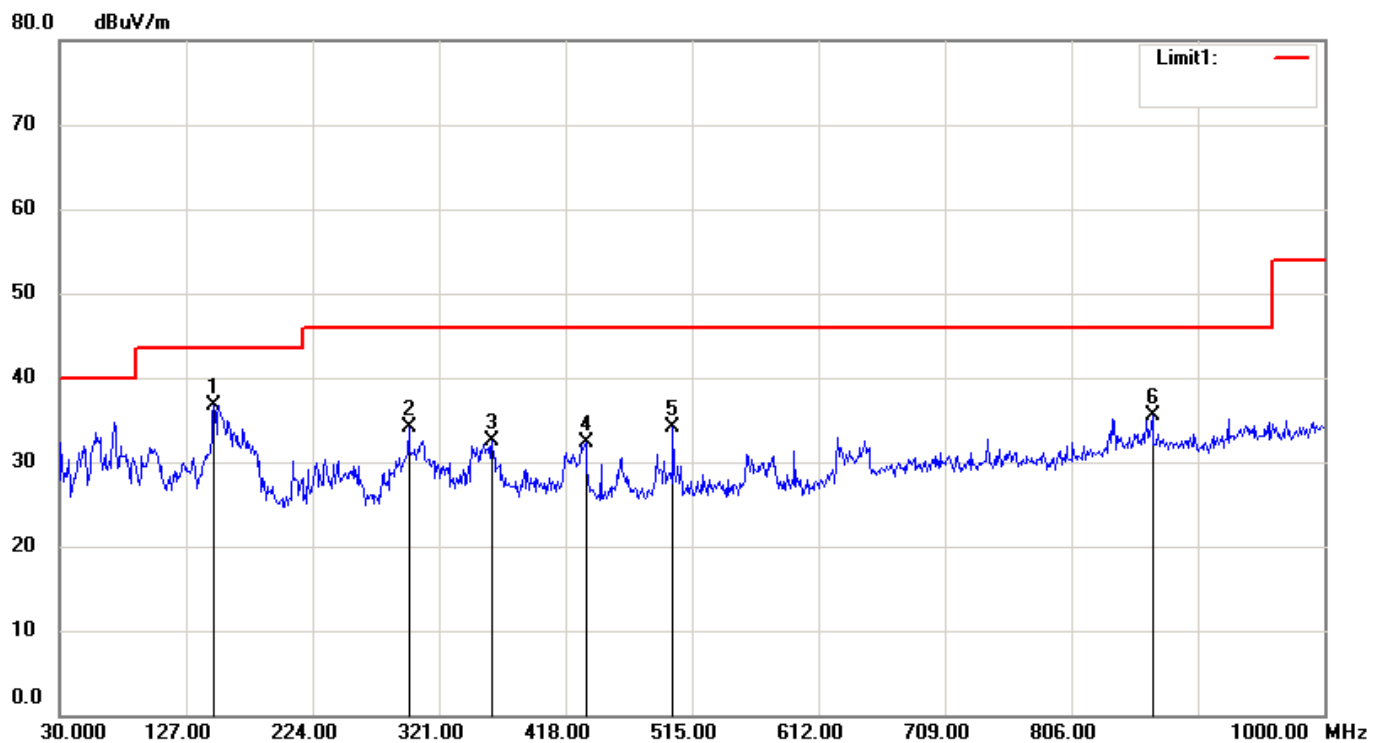
File: 20-10-MAS-019_Below 1G
Site: RE02-EMC B1-N2

#24

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_LP0002_30-1000MHz
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: Normal1
Note: HDMI+USB+BT+LAN

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*	148.3400	41.58	QP	-4.85	36.73	43.50	-6.77
2	297.7200	38.58	QP	-4.42	34.16	46.00	-11.84
3	361.7400	35.71	QP	-3.24	32.47	46.00	-13.53
4	433.5200	34.17	QP	-1.91	32.26	46.00	-13.74
5	500.4500	35.37	QP	-1.22	34.15	46.00	-11.85
6	868.0800	30.20	QP	5.39	35.59	46.00	-10.41

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 ($30\text{MHz} \leq f < 1\text{GHz}$)

10.5.3.3 測試狀態: Mode K

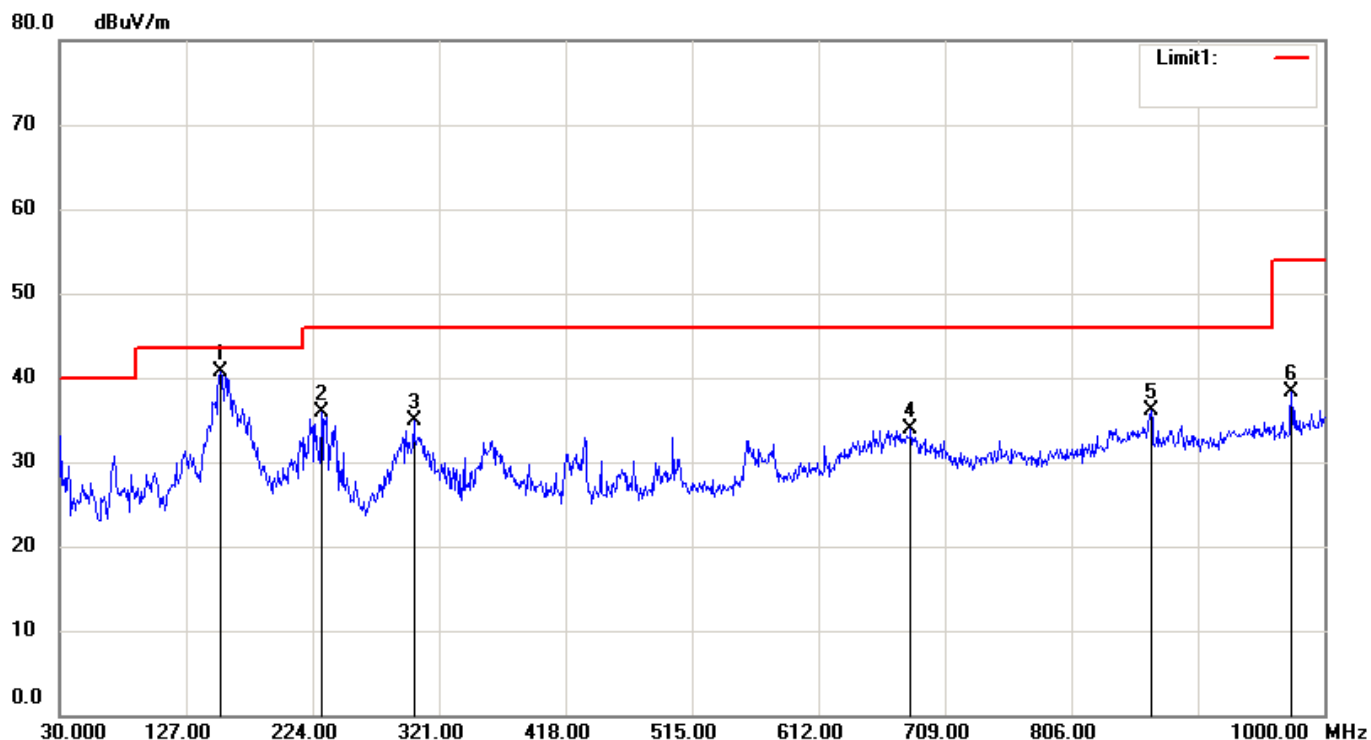
File: 20-10-MAS-019_Below 1G
Site: RE02-EMC B1-N2

#25

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_LP0002_30-1000MHz
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: Normal2
Note: HDMIUSB+ BT+WIFI

Polarization: Horizontal
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	153.1900	46.14	QP	-5.49	40.65	43.50	-2.85
2	230.7900	43.45	QP	-7.63	35.82	46.00	-10.18
3	301.6000	39.34	QP	-4.36	34.98	46.00	-11.02
4	682.8100	31.61	QP	2.21	33.82	46.00	-12.18
5	867.1100	30.65	QP	5.37	36.02	46.00	-9.98
6	974.7800	30.74	QP	7.59	38.33	54.00	-15.67

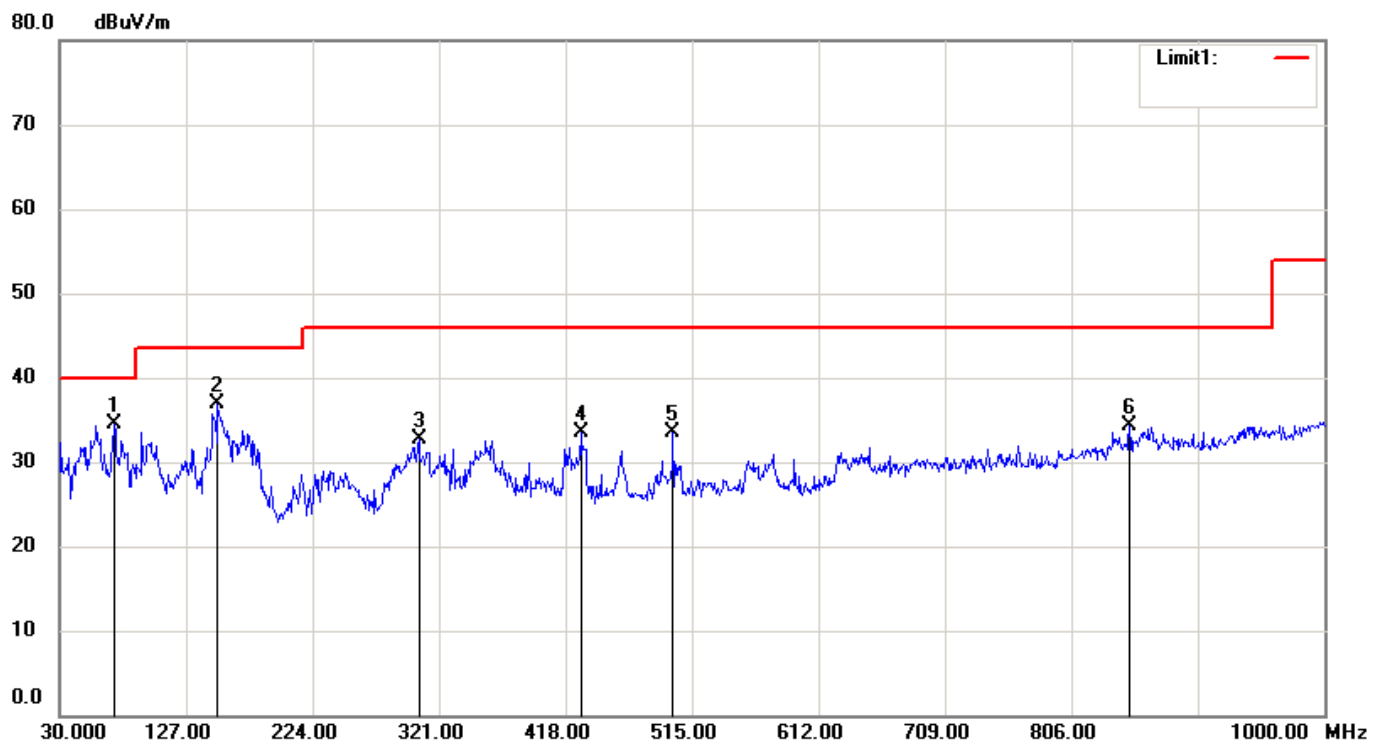
File: 20-10-MAS-019_Below 1G
Site: RE02-EMC B1-N2

#26

Date: 2020/11/12

Temperature: 22 °C

Humidity: 58 %



Condition: NCC_LP0002_30-1000MHz
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: Normal2
Note: HDMIUSB+BT+WIFI

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*	71.7100	47.06	QP	-12.48	34.58	40.00	-5.42
2	151.2500	42.21	QP	-5.22	36.99	43.50	-6.51
3	305.4800	37.07	QP	-4.30	32.77	46.00	-13.23
4	429.6400	35.46	QP	-1.90	33.56	46.00	-12.44
5	500.4500	34.67	QP	-1.22	33.45	46.00	-12.55
6	850.6200	29.03	QP	5.18	34.21	46.00	-11.79

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

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

10.6 頻帶外邊緣輻射場強之量測結果

操作模式: 發射接收

測試日期: Nov. 11, 2020

環境溫度: 22°C

環境濕度: 58%

10.6.1 調變技術: IEEE 802.11a

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5460.000	27.15	13.00	27.16	12.98	39.15	66.31	52.15	74.00	54.00	-7.69	-1.85

10.6.2 調變技術: IEEE 802.11ax (20MHz)

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5460.000	27.06	12.99	27.23	12.99	39.15	66.38	52.14	74.00	54.00	-7.62	-1.86

10.6.3 調變技術: IEEE 802.11ax (40MHz)

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5460.000	27.89	12.99	27.19	12.98	39.15	67.04	52.14	74.00	54.00	-6.96	-1.86

10.6.4 調變技術: IEEE 802.11ax (80MHz)

輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
	水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
5460.000	26.98	13.26	27.23	13.26	39.15	66.38	52.41	74.00	54.00	-7.62	-1.59

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

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

10.7 頻帶外邊緣直接量測之量測結果

調變技術: IEEE 802.11a

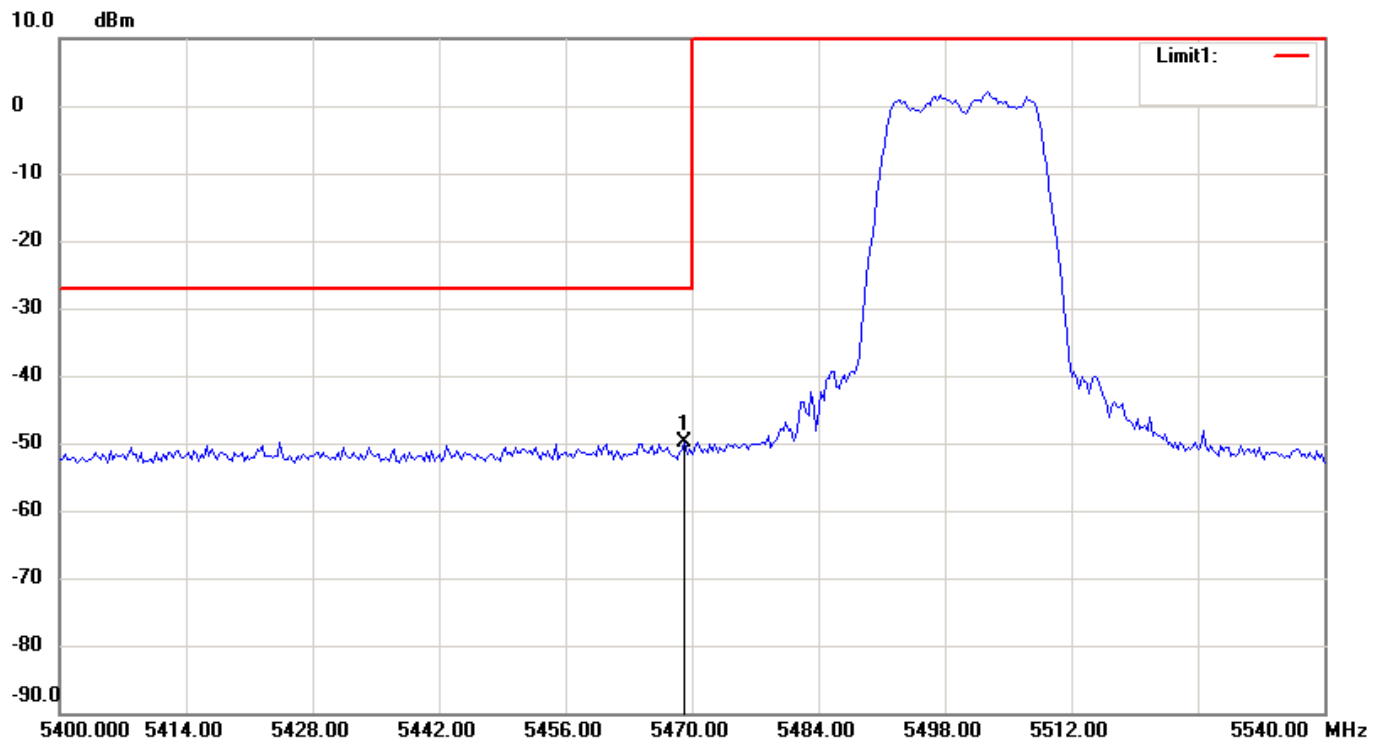
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#7

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a Channel 100_Low_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5469.16000	-49.77

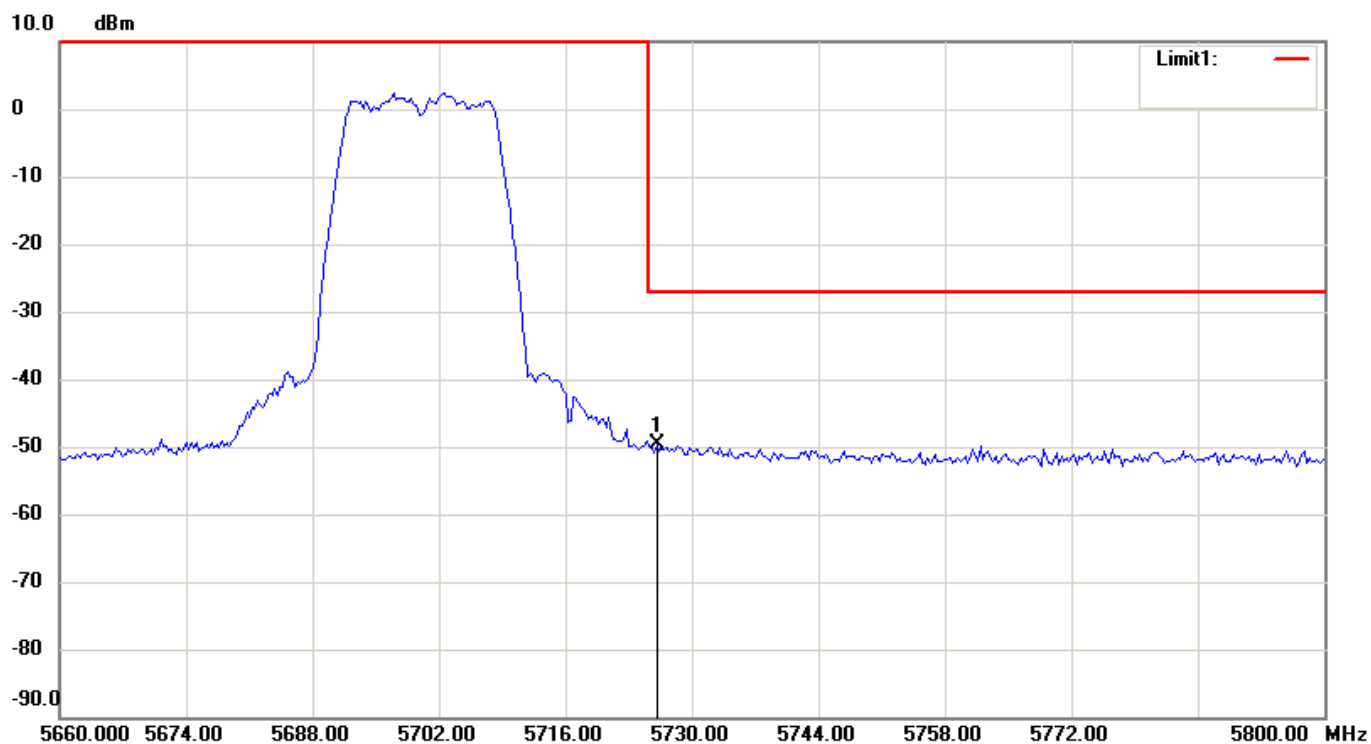
File: 20-10-MAS-019_5-6a_ANT1
Site: RF-Cond01

#20

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11a Channel 140_High_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5726.08000	-49.54

調變技術: IEEE 802.11ax (20MHz)

CHAIN 0

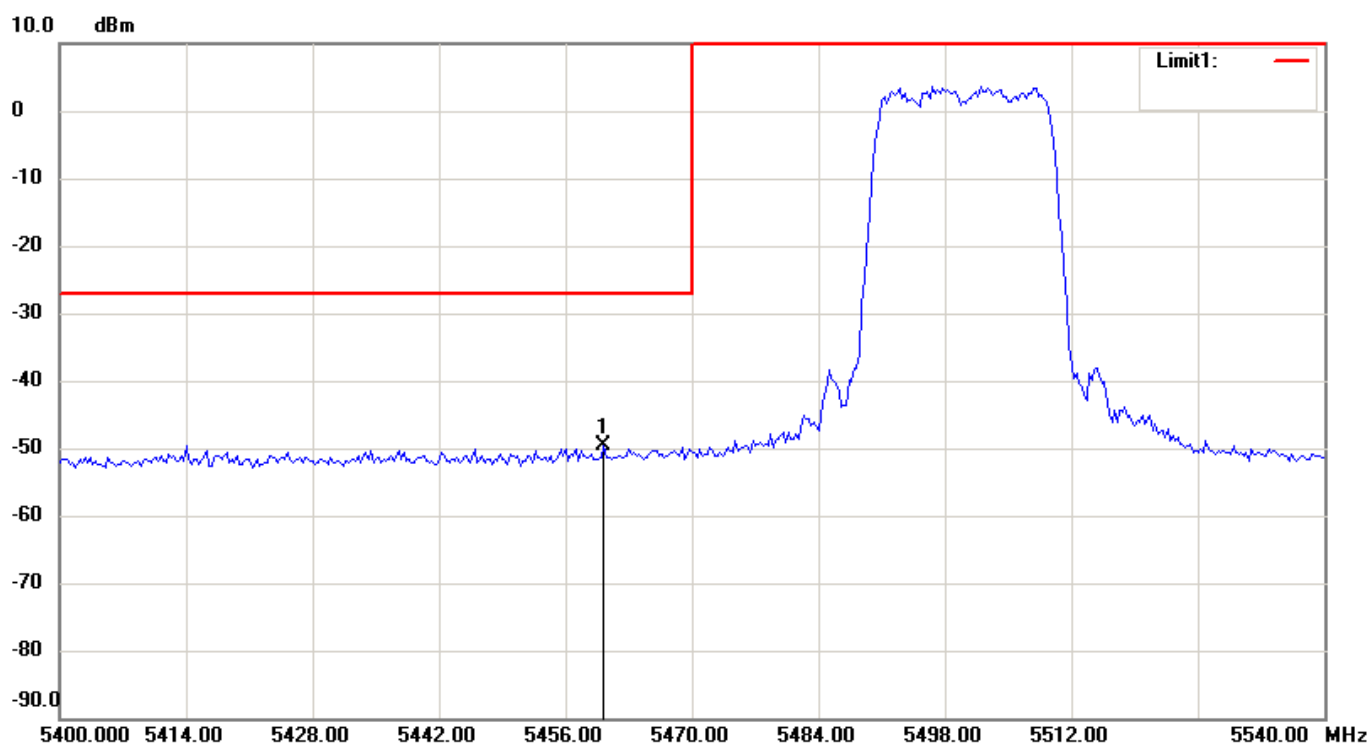
File: 20-10-MAS-019_5-6ax20_ANT1
 Site: RF-Cond01

#7

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20 Channel 100_Low_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5460.20000	-49.65

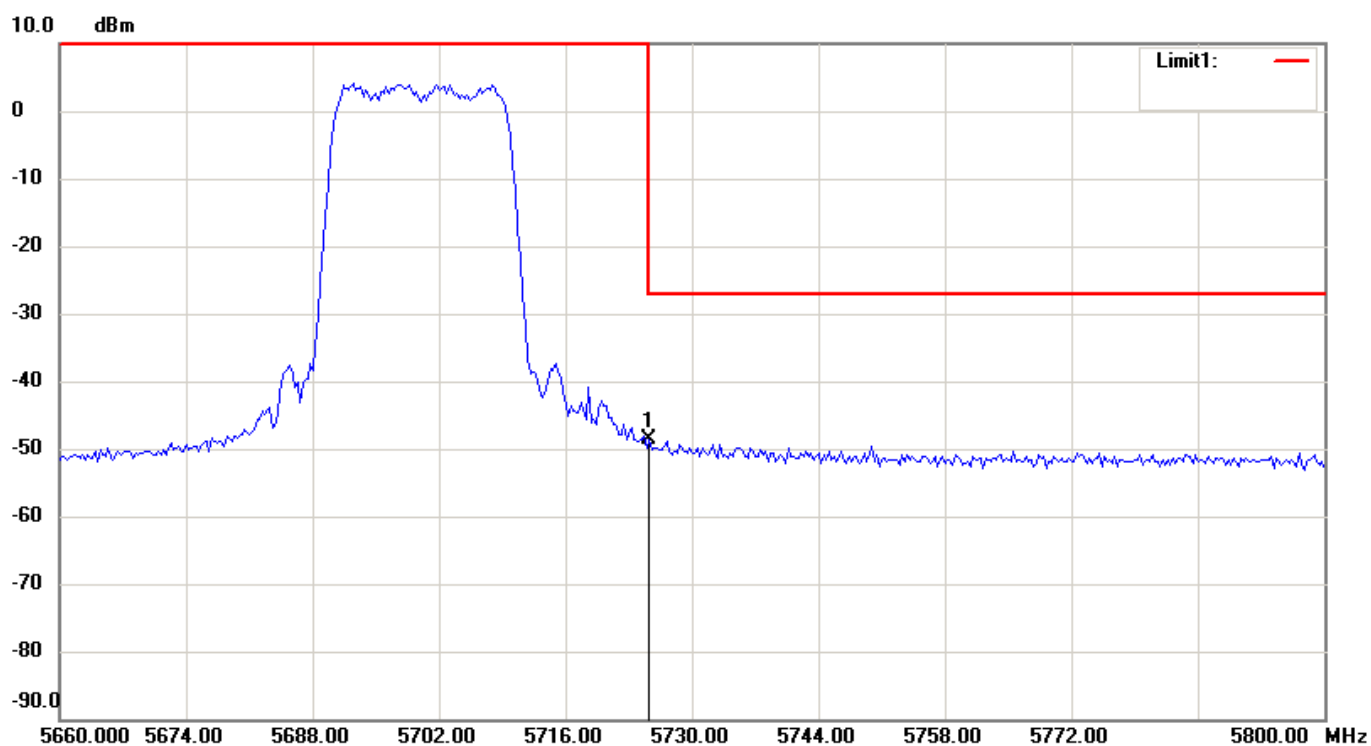
File: 20-10-MAS-019_5-6ax20_ANT1
Site: RF-Cond01

#20

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax20 Channel 140_High_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5725.24000	-48.73

CHAIN 1

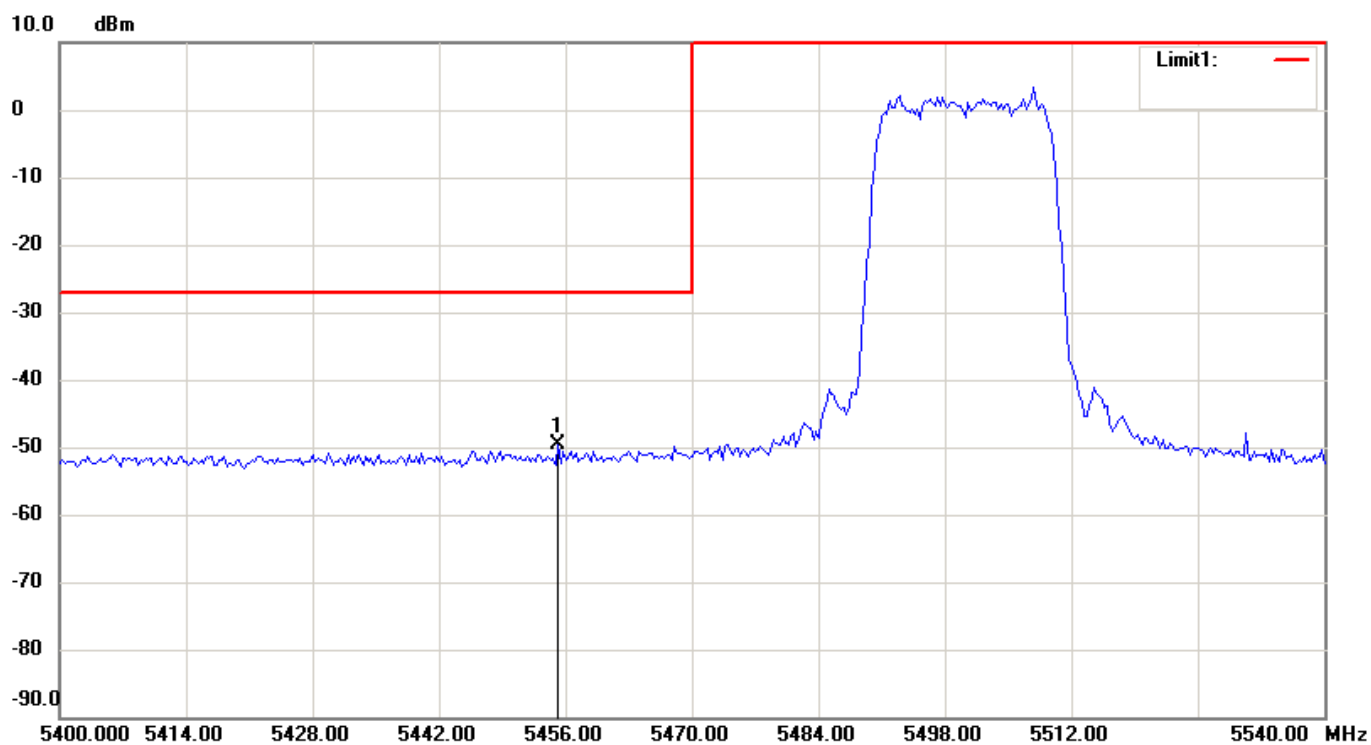
File: 20-10-MAS-019_5-6ax20_ANT2
 Site: RF-Cond01

#7

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax20 Channel 100_Low_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5455.16000	-49.72

File: 20-10-MAS-019_5-6ax20_ANT2

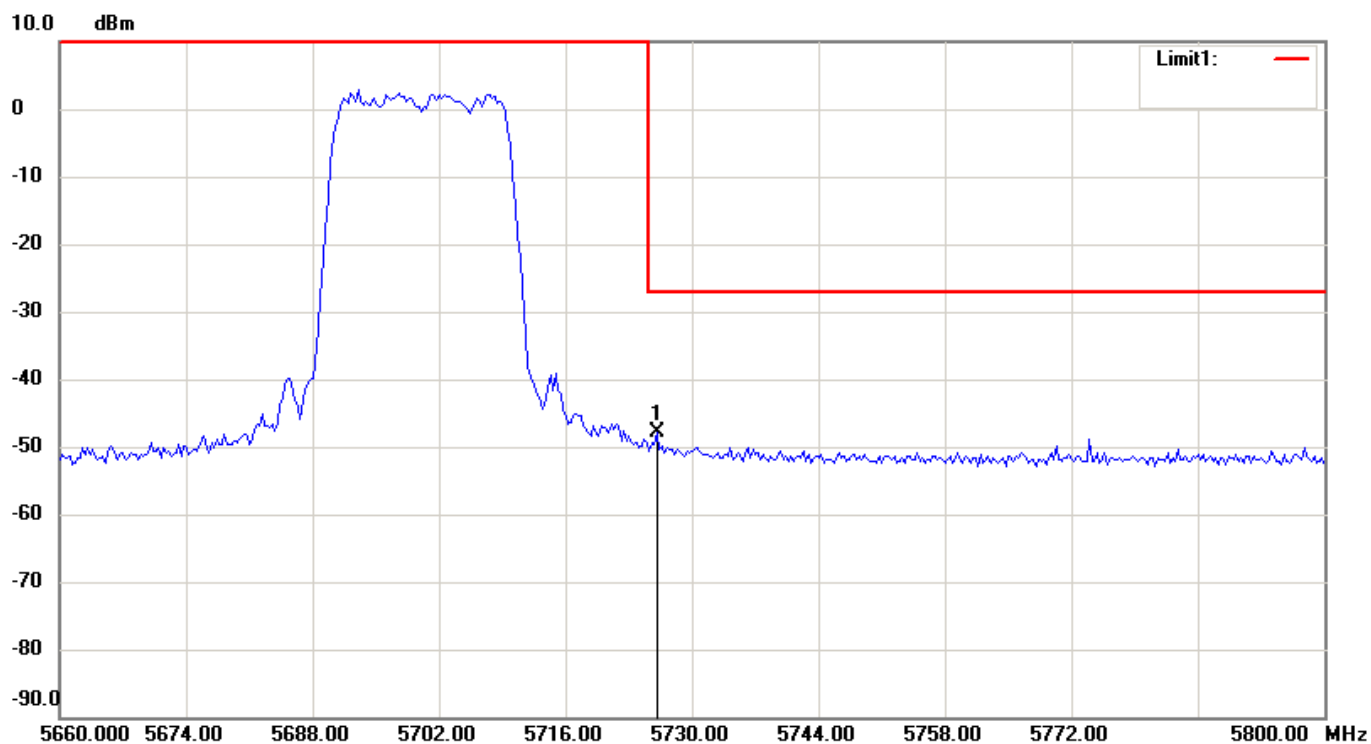
#20

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition:

UNII-Band-3-Bandedge

RF Conducted

EUT:

Development Kit for PlayStation5

Sweep Time: 1ms Att.: 15dB

Model:

DFI-D1000AA

RBW: 1000 KHz

VBW: 3000 KHz

Test Mode:

UNII

Operator:

Phillip

Note:

NCC_LP0002_802.11ax20 Channel 140_High_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5726.08000	-47.86

調變技術: IEEE 802.11ax (40MHz)

CHAIN 0

File: 20-10-MAS-019_5-6ax40_ANT1

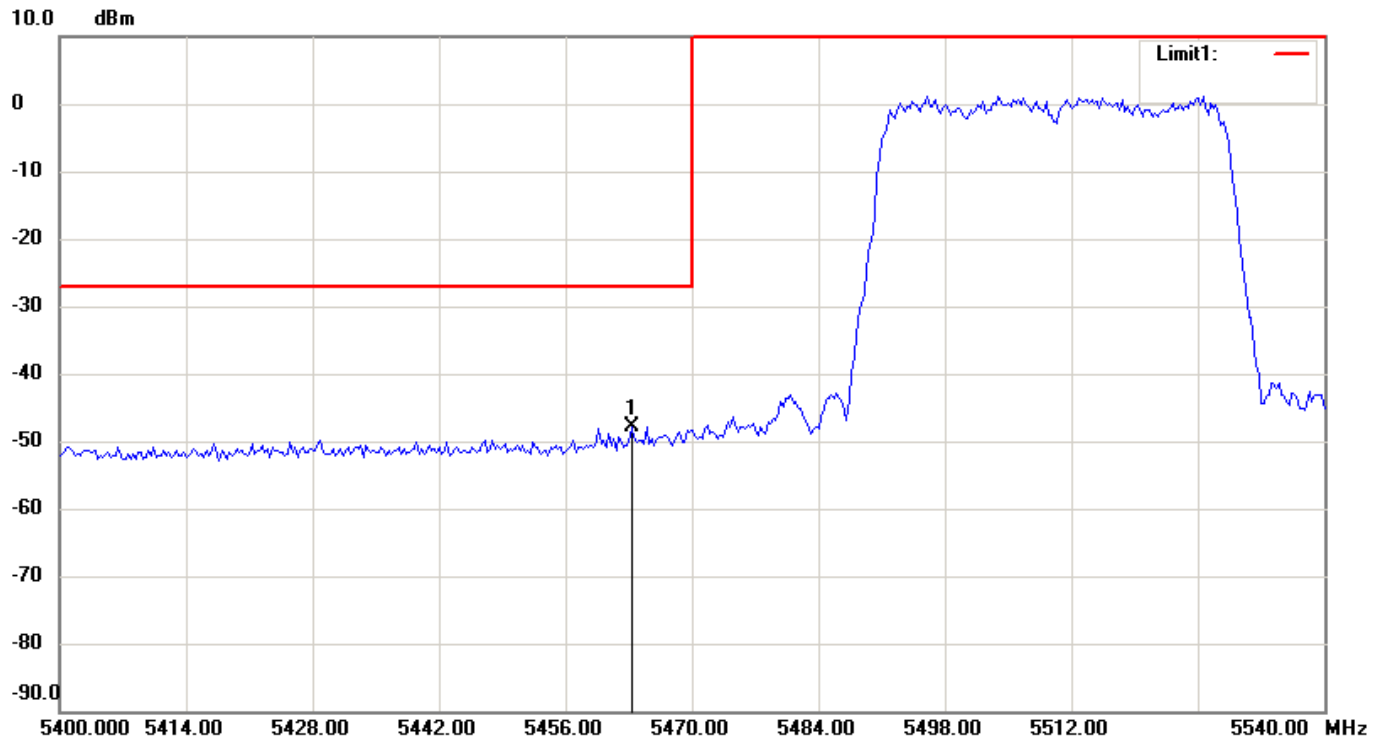
#7

Date: 2020/11/2

Temperature: 25 °C

Site: RF-Cond01

Humidity: 49 %



Condition: UNII-Band-3-Bandedge

RF Conducted

EUT: Development Kit for PlayStation5

Sweep Time: 1ms Att.: 15dB

Model: DFI-D1000AA

RBW: 1000 KHz

VBW: 3000 KHz

Test Mode: UNII

Operator:

Phillip

Note: NCC_LP0002_802.11ax40 Channel 102_Low_Bandedge

No.	Frequency(MHz)	Level(dBm)
1	5463.28000	-47.79

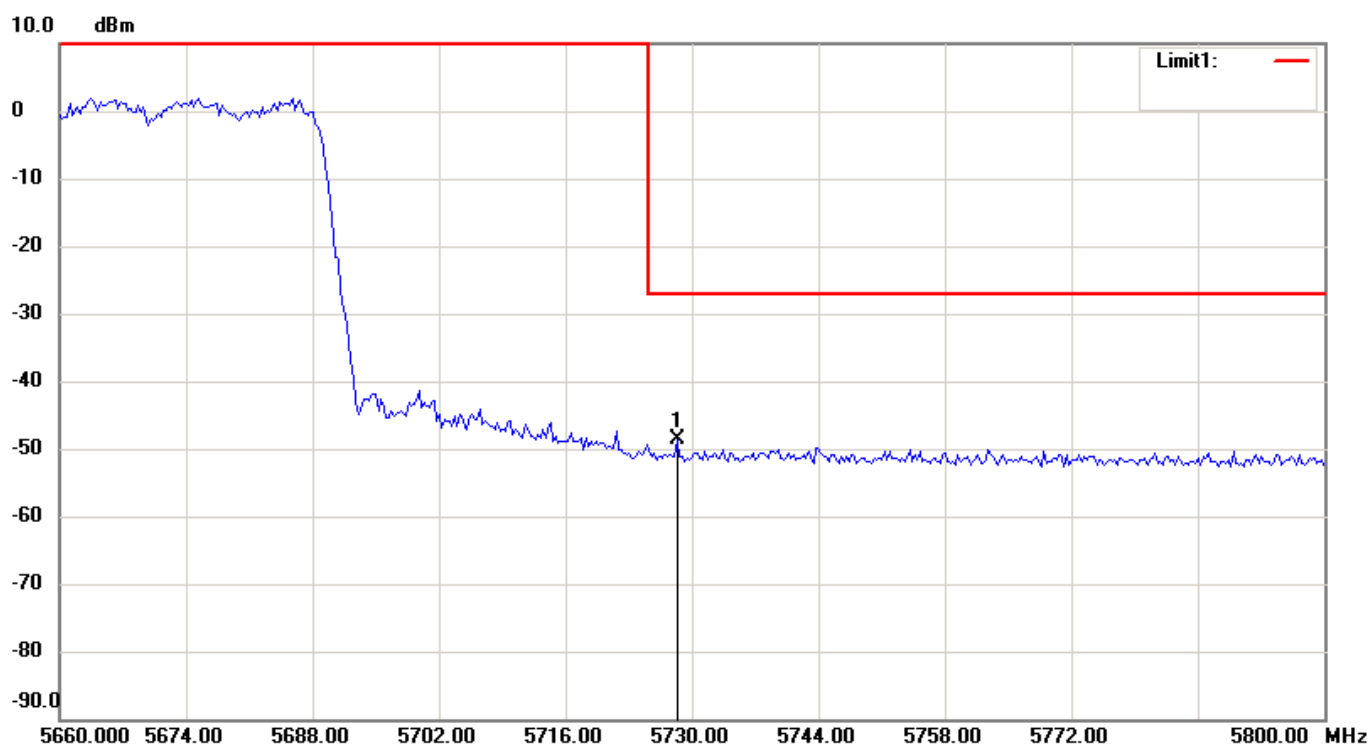
File: 20-10-MAS-019_5-6ax40_ANT1
Site: RF-Cond01

#20

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40 Channel 134_High_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5728.32000	-48.70

CHAIN 1

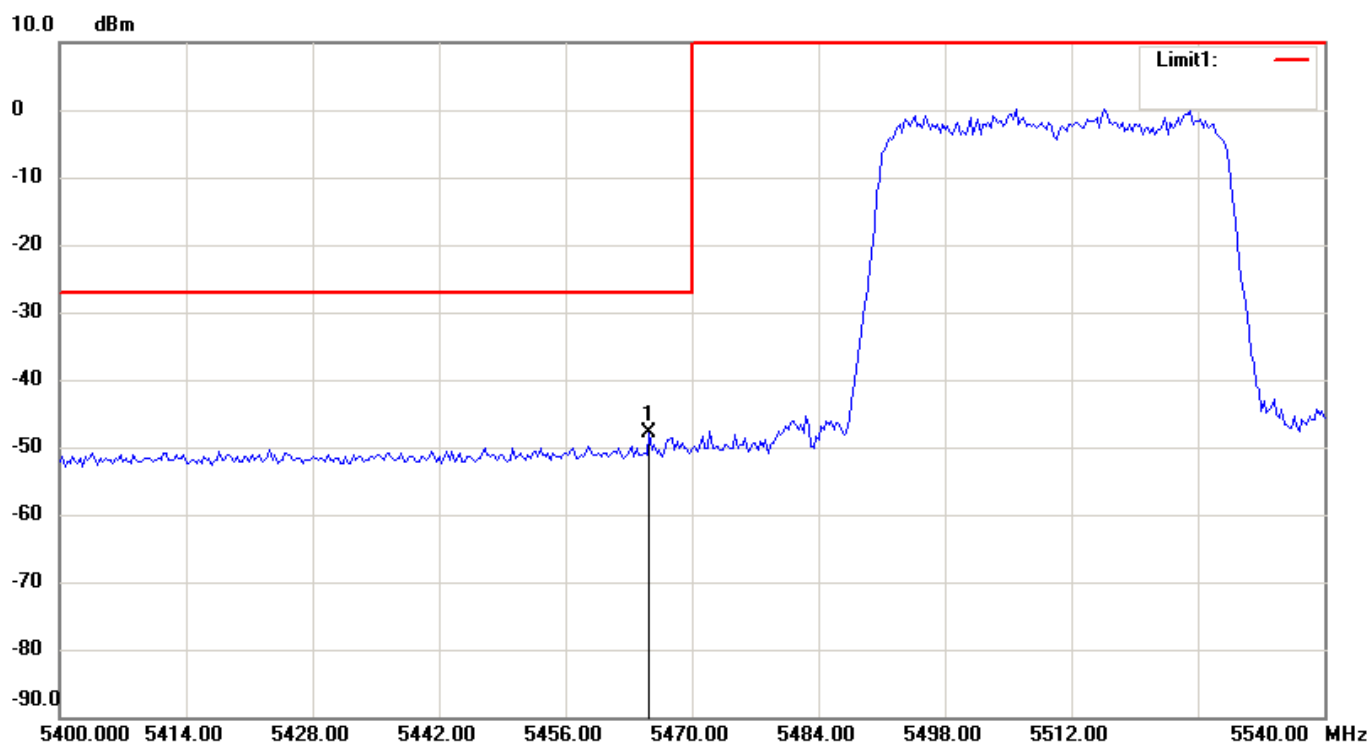
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#7

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40 Channel 102_Low_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5465.24000	-47.89

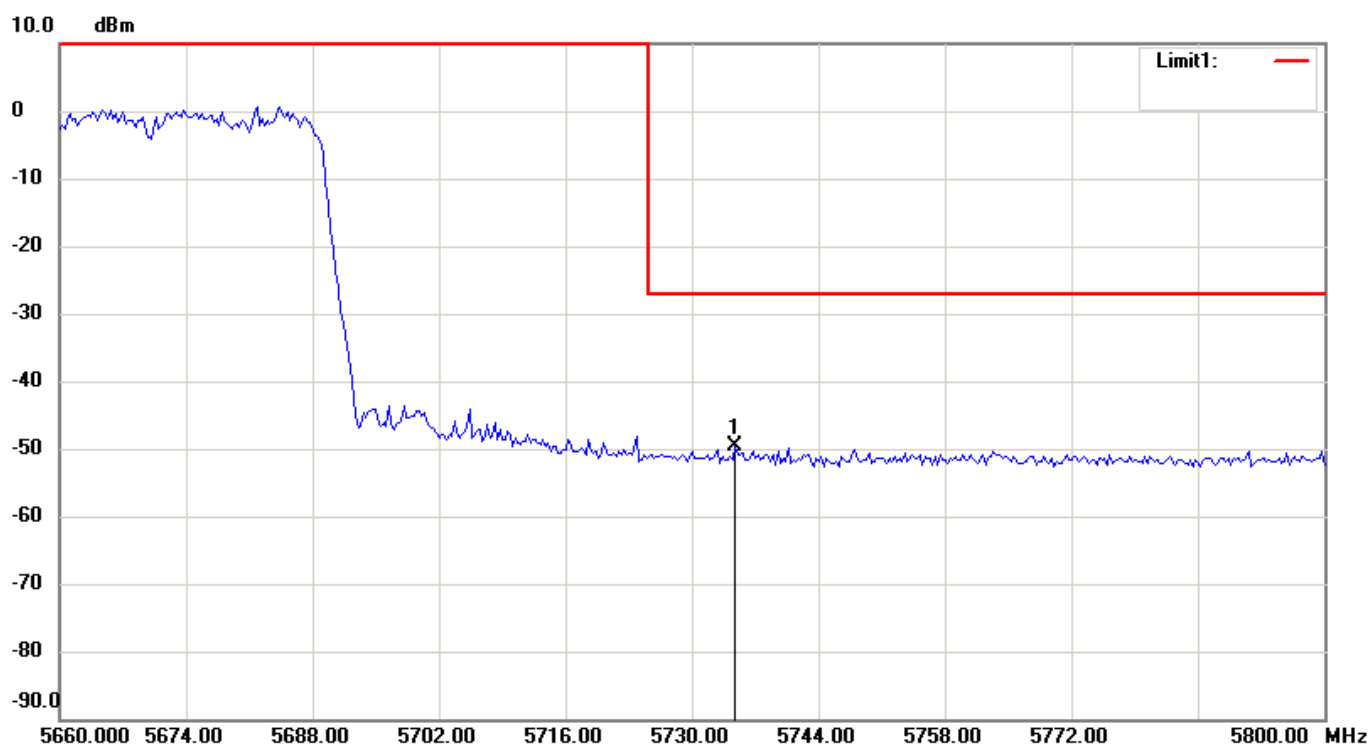
File: 20-10-MAS-019_5-6ax40_ANT2
Site: RF-Cond01

#20

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax40 Channel 134_High_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5734.76000	-49.73

調變技術: IEEE 802.11ax80

CHAIN 0

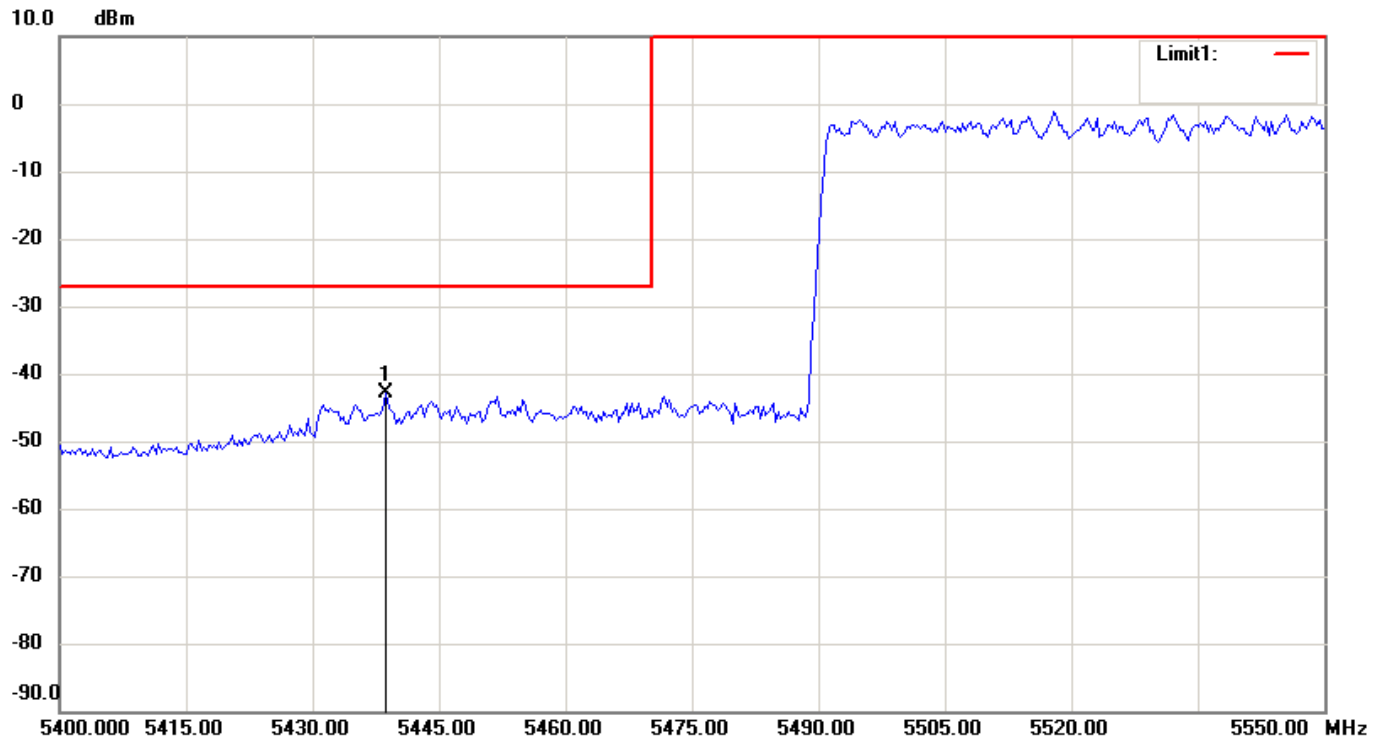
File: 20-10-MAS-019_5-6ax80_ANT1
 Site: RF-Cond01

#7

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax80 Channel 106_Low_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5438.70000	-42.88

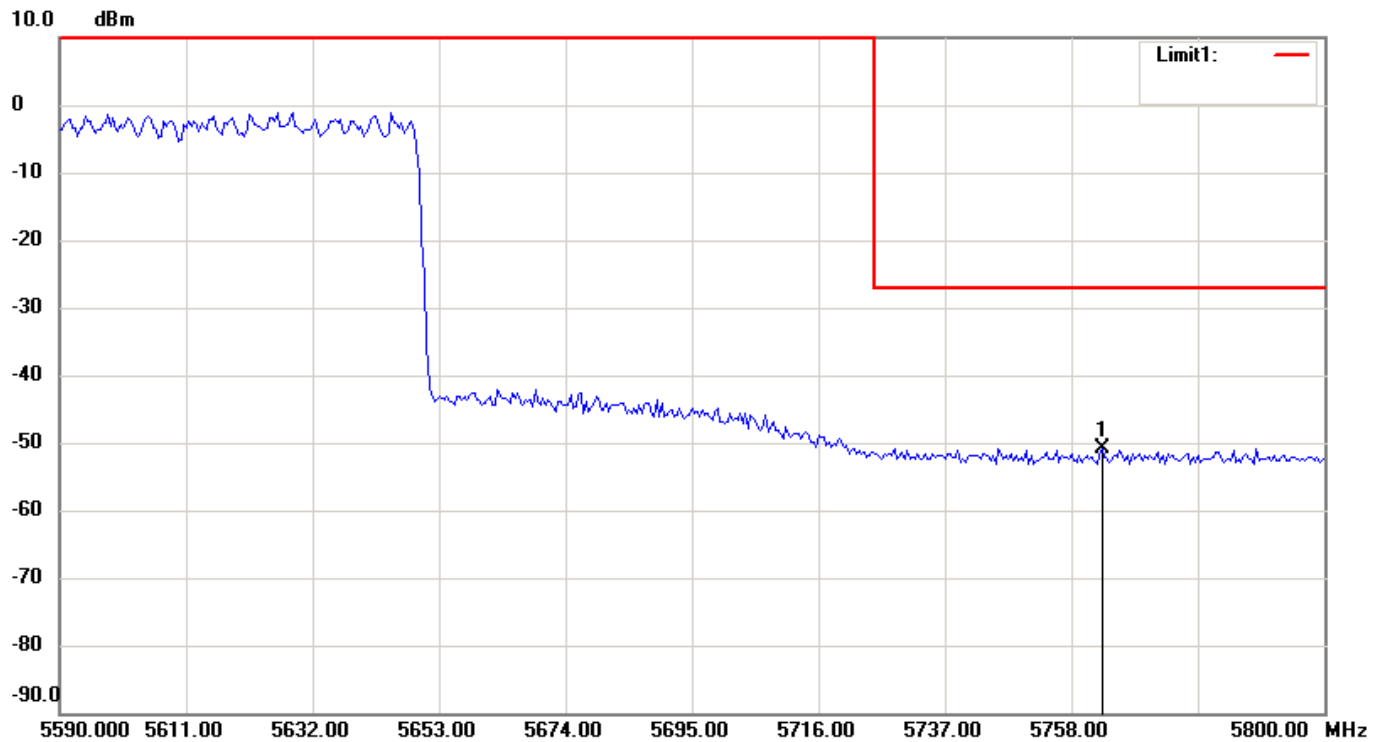
File: 20-10-MAS-019_5-6ax80_ANT1
 Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax80 Channel 122_High_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5763.04000	-50.84

CHAIN 1

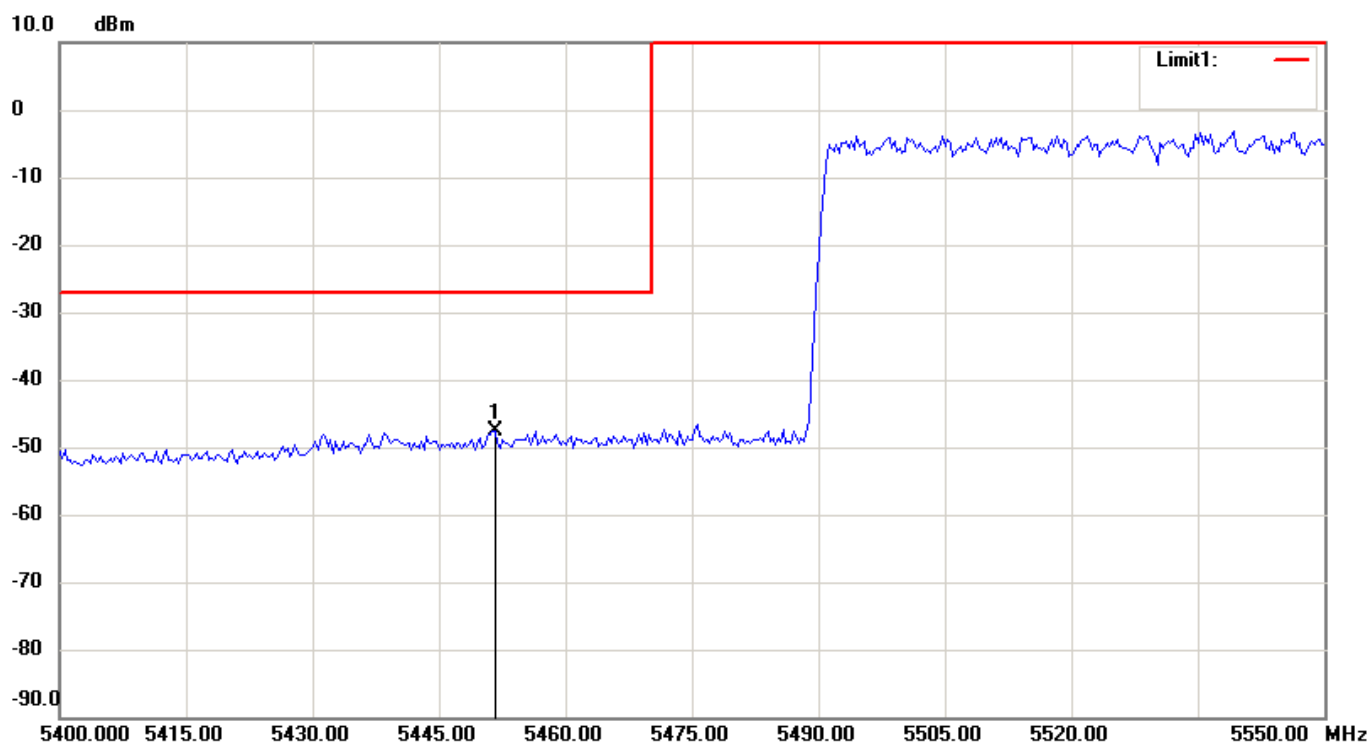
File: 20-10-MAS-019_5-6ax80_ANT2
 Site: RF-Cond01

#7

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
 EUT: Development Kit for PlayStation5
 Model: DFI-D1000AA
 Test Mode: UNII
 Note: NCC_LP0002_802.11ax80 Channel 106_Low_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5451.60000	-47.53

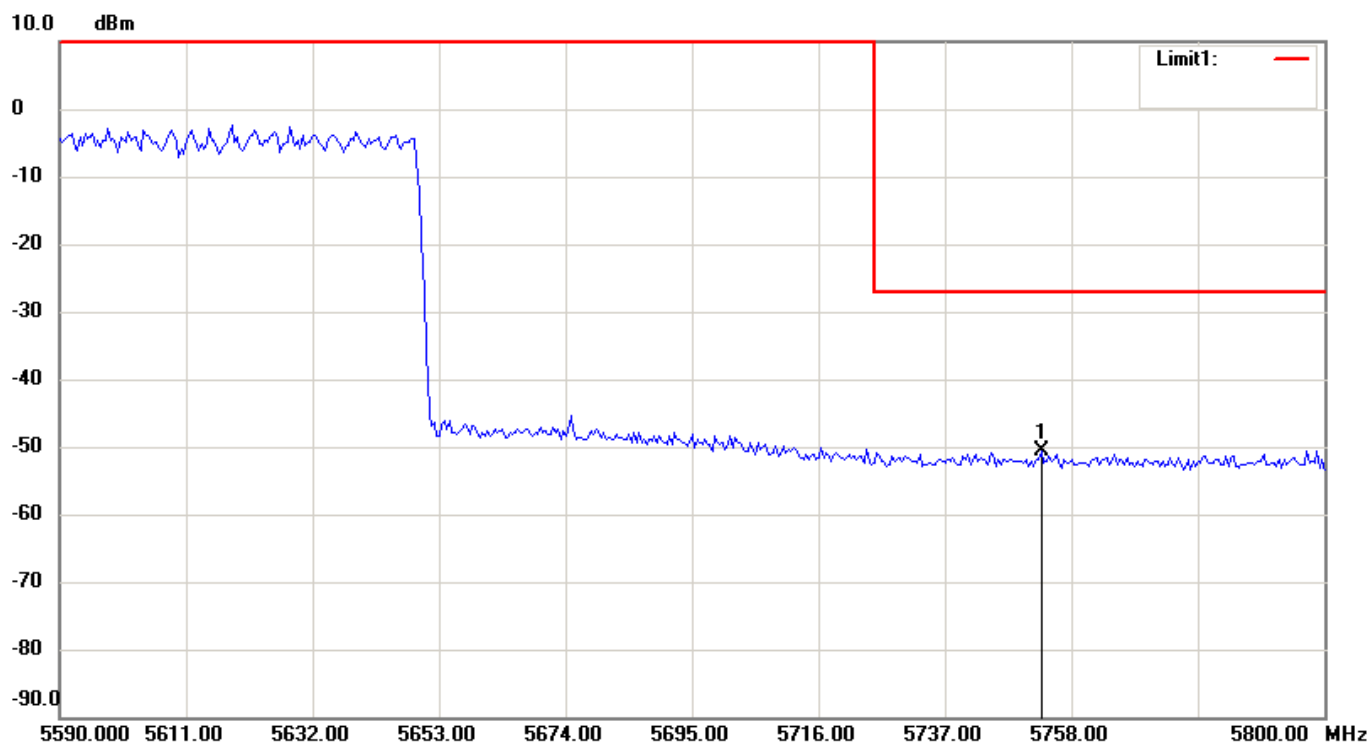
File: 20-10-MAS-019_5-6ax80_ANT2
Site: RF-Cond01

#14

Date: 2020/11/2

Temperature: 25 °C

Humidity: 49 %



Condition: UNII-Band-3-Bandedge
EUT: Development Kit for PlayStation5
Model: DFI-D1000AA
Test Mode: UNII
Note: NCC_LP0002_802.11ax80 Channel 122_High_Bandedge

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

No.	Frequency(MHz)	Level(dBm)
1	5752.96000	-50.51

10.8 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。

10.9 輻射之測試配置

圖 3: 量測頻率低於1GHz之測試配置

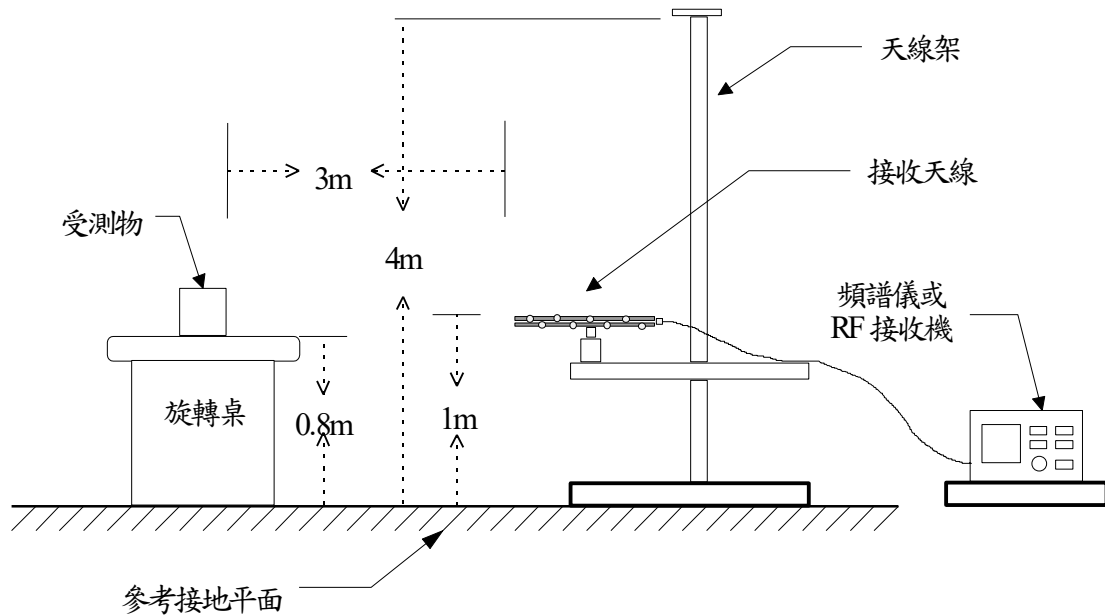
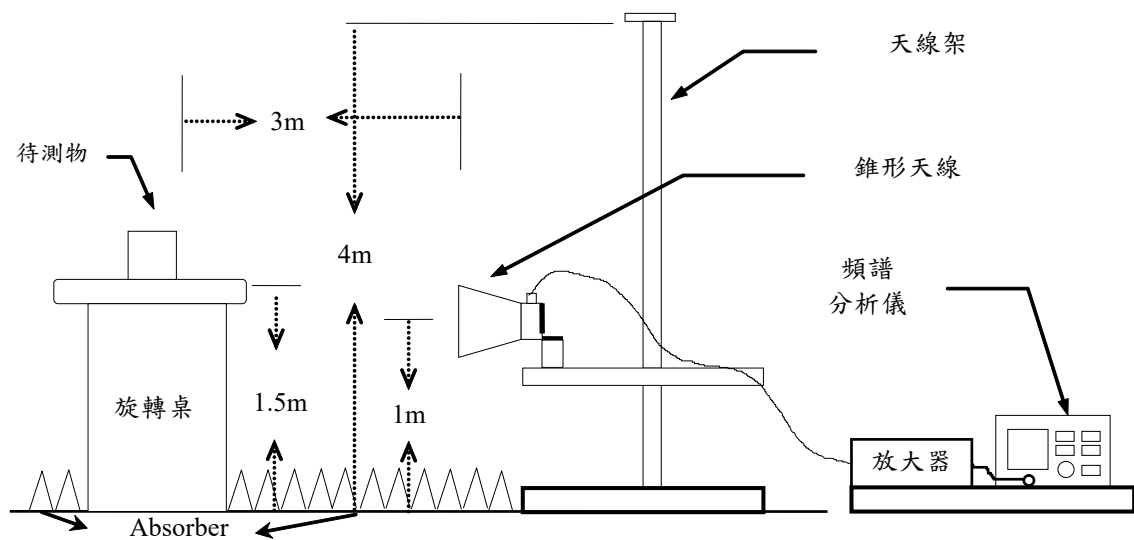


圖 4: 量測頻率高於1GHz之測試配置



10.10 輻射量測之配置照片

請參考產品照片

11 發射功率控制(TPC)之量測

11.1 發射功率控制(TPC)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4.7.7.1節之規定，操作於 5.25GHz ~5.35GHz 與5.470GHz~5.725GHz 頻段的設備，應具備發射功率控制機能。設備必須至少具有6dB 低於平均 EIRP 30dBm 的能力。EIRP 低於 500mW 之系統不須具備TPC機能。

11.2 發射功率控制(TPC)之測試配置

如圖 1 所示。

11.3 適用性

Highest Power Level in DFS Bnd (EIRP)		11.65 dBm+6.64 dBi = 18.29 dBm = 67.45 mW
☒	EIRP < 500 mW	Not Applicable
☐	EIRP ≥ 500 mW	Applicable

12 動態頻率選擇(DFS)之量測

12.1 LIMITS

依據國家通訊傳播委員會低功率射頻電機技術規範 4.7.7.2 節之規定與 FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
$EIRP \geq 200$ milliwatt	-64 dBm
$EIRP < 200$ milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
$EIRP < 200$ milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Table 6 – Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

12.2 產品描述

12.2.1 待測物

DFS 操作頻帶	☒ 5470MHz~5725MHz
操作模式	☐ 主控 (Master)
	☒ 受控 (Client without In-Service Monitoring)
	☐ 受控 (Client with In-Service Monitoring)
頻道負載運作方式	☒ IP Based System
	☐ Frame Based System
	☐ Other System _____

Note: The tested level is lower thn the required level hence it provides margin to the limit.

12.3 測試系統

12.3.1 系統描述

12.3.1.1 雷達信號

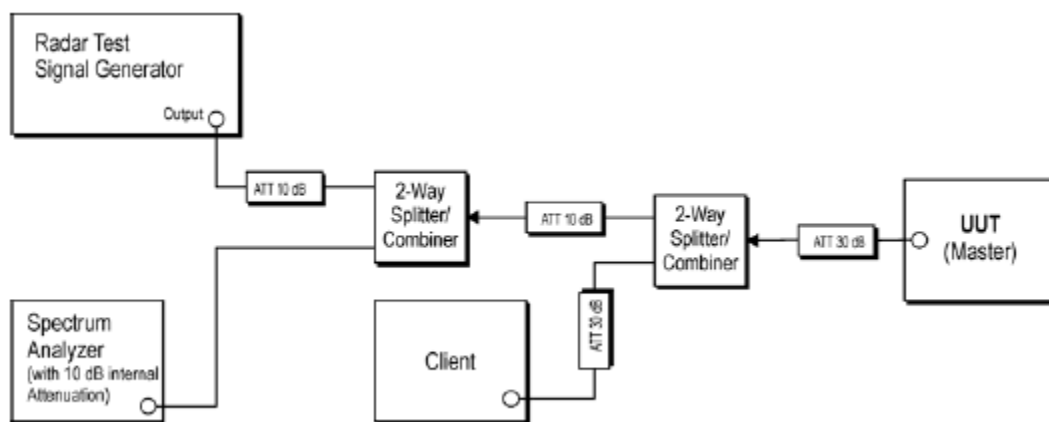
所有雷達信號依據 FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 之規定產生。

12.3.1.2 參考信號負載

無線傳輸信號負載使用由美國電信資訊署(N.T.I.A)參考系統所提供之 MPEG 影像檔。
資料傳送方向由 Master 傳送到 Client。

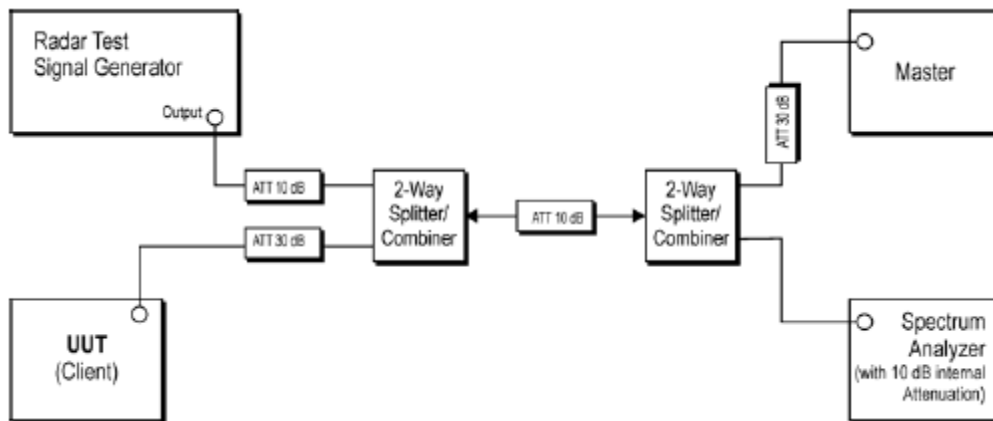
12.3.2 系統配置

12.3.2.1 Setup for Master with injection at the Master



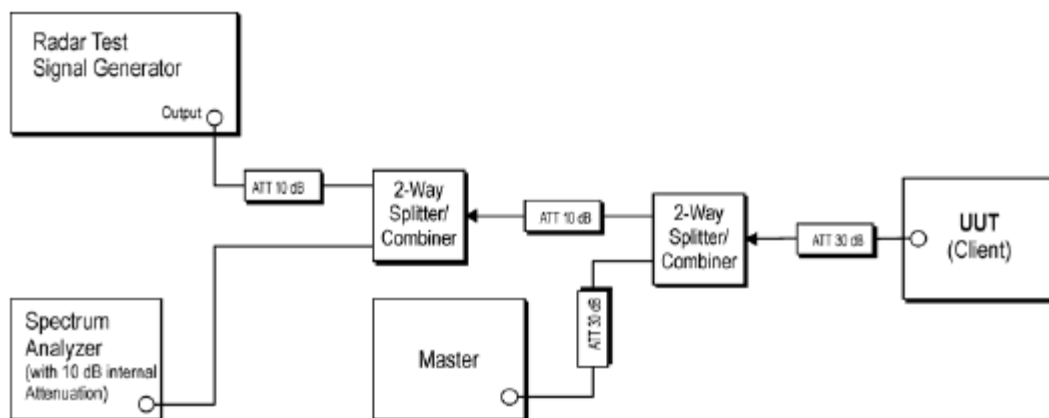
主控設備配置圖

12.3.2.2 Setup for Client with injection at the Master



受控設備配置圖 1(Client without In-Service Monitoring)

12.3.2.3 Setup for Client with injection at the Client



受控設備配置圖 2 (Client with In-Service Monitoring)

12.3.3 量測儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSU46
Vector Signal Generator	R&S	SMU200A

12.3.4 使用週邊

裝置名稱	製造者/代理者	型 號	纜 線 說 明
Notebook	Dell	Inspiron 1420	非隔離電源線 3.3m*1 / Adaptor 非隔離信號線 1.0m*1/RJ45
Notebook	HP	650G1	非隔離電源線 2.8m*1 / Adaptor 非隔離信號線 1.0m*1/RJ45
Access Point	ASUS	RT-AX88U	非隔離電源線 2.3m* 1/Adapter

12.4 測試頻道及測試方法

12.4.1

測試方法	☒ 直接量測方式	☐ 輻射方式
------	--	-------------------------------

12.4.2 使用雷達信號

使用 Short Pulse Radar Type 0 ， Level = -64dBm 。

12.5 量測結果

12.5.1 Radar TYPE 0 CHANNEL MOVE TIME RESULTS

結果判定：符合標準規定。

Modulation	Operation Frequency (MHz)	Channel Move Time (s)	Limit (s)
IEEE 802.11ax HE80	5530	< 10S	10

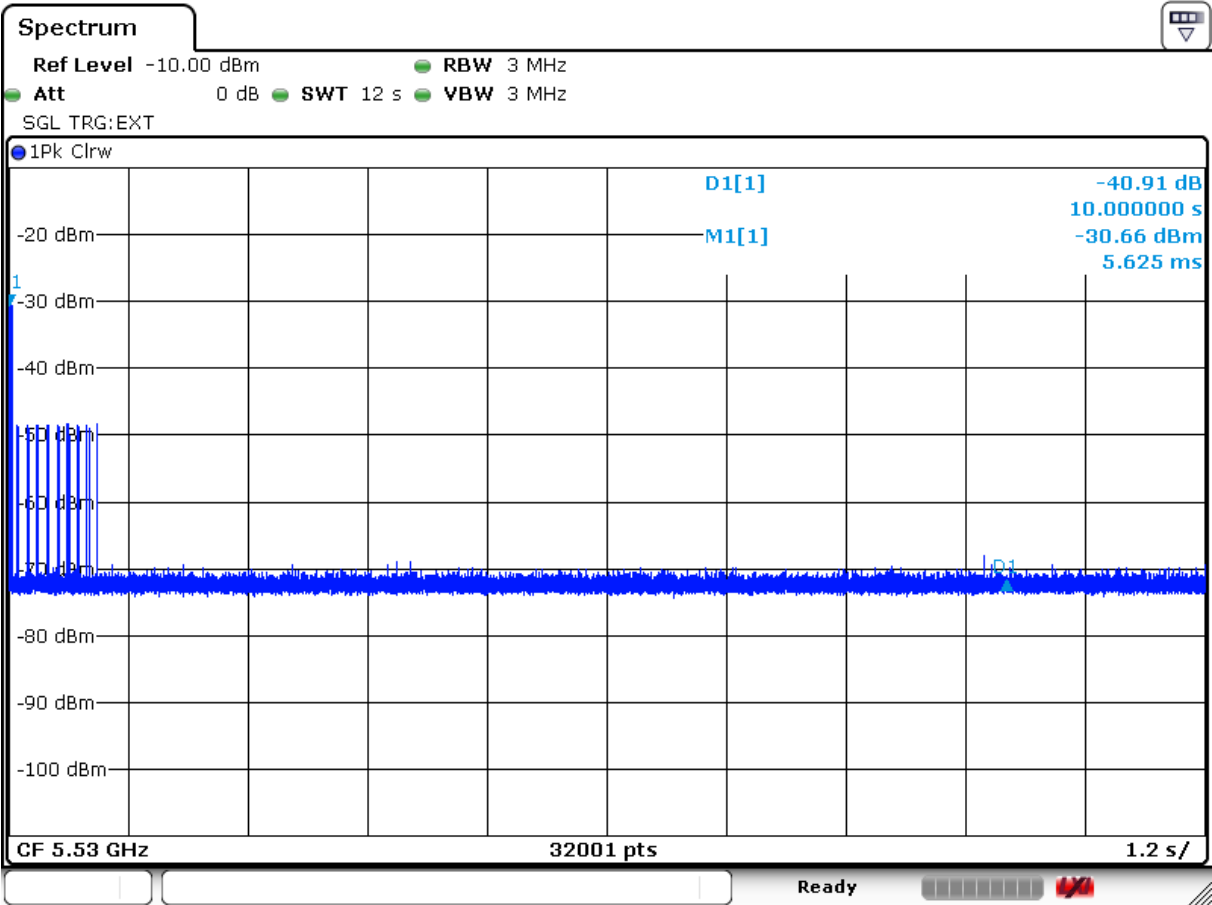
File: 20-10-MAS-019_5-6

Date: 2020/10/23

Temperature: 23 °C

Site: RF-Cond02

Humidity: 57 %



Condition: NCC_LP0002

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Note: 12S-1

RF Conducted

Operator: Phillip

12.5.2 Radar TYPE 0 CHANNEL CLOSING TRANSMISSION TIME RESULTS

The following plot demonstrates a channel close time of <200ms, with an aggregate of no more than 60 ms.

結果判定：符合標準規定。

Modulation	Operation Frequency (MHz)	Aggregate Transmission Time (ms)	Limit (ms)
IEEE 802.11ax HE80	5530	10	60

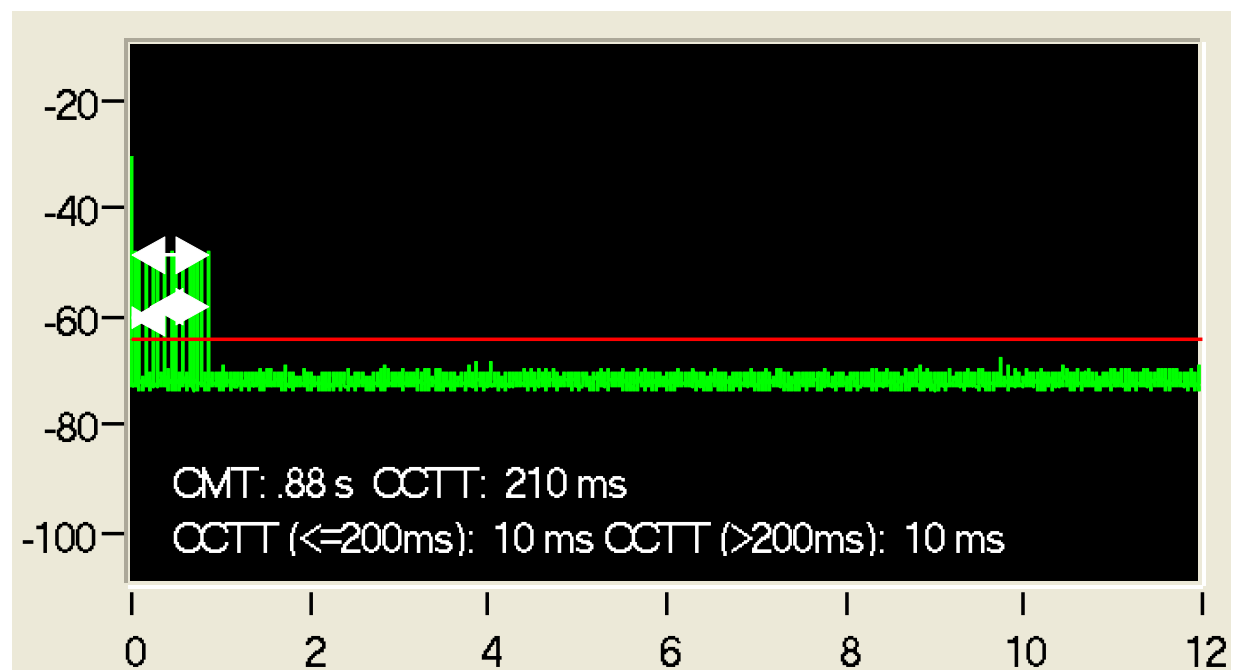
File: 20-10-MAS-019_5-6

Date: 2020/10/23

Temperature: 23 °C

Site: RF-Cond02

Humidity: 57 %



Condition: NCC_LP0002

RF Conducted

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Operator: Phillip

Note: 12S-2

Aggregate Transmission Time =

(Number of analyzer bins showing Transmission) * (dwell time per bin)

=10 ms

12.5.3 Non-occupancy Period (Associated Test)

No EUT Transmissions were observed on the test channel during the 30-minute observation time.

結果判定：符合標準規定。

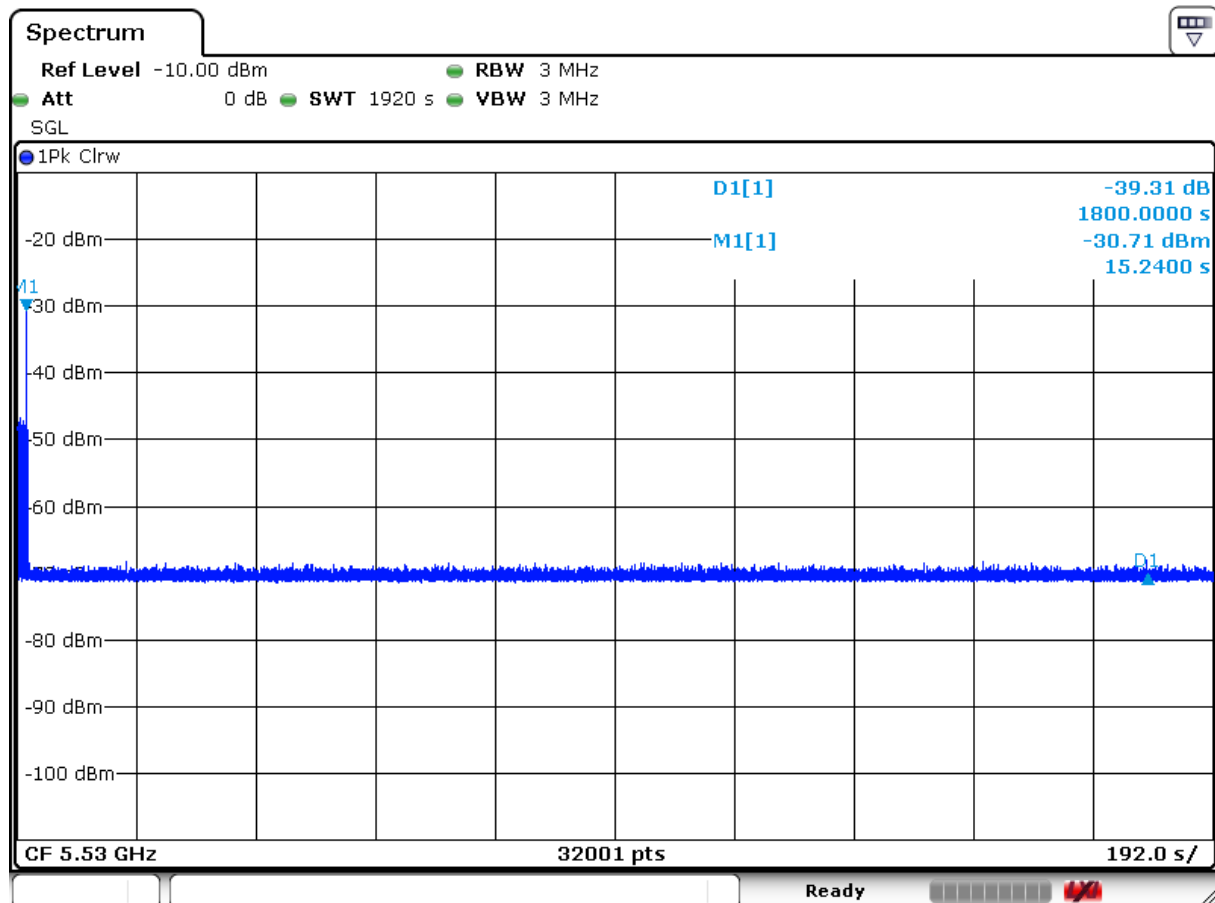
File: 20-10-MAS-019_5-6

Date: 2020/10/23

Temperature: 23 °C

Site: RF-Cond02

Humidity: 57 %



Condition: NCC_LP0002

RF Conducted

EUT: Development Kit for PlayStation5

Model: DFI-D1000AA

Test Mode: UNII

Operator: Phillip

Note: 30 mins

13 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	09/14/2020	09/13/2021
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	09/18/2020	09/17/2021
Vector Signal Generator	R&S	SMU200A	13549901-002	06/08/2020	06/07/2021