

低功率射頻器材測試報告

申請廠商：台音貿易有限公司
地址：臺中市南屯區新生里龍富路三段655號1樓
器材名稱：無線組合音響
廠牌：MISSION
型號：LX CONNECT
備註：主機



財團法人台灣商品檢測驗證中心電磁相容試驗二部

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報告號碼: 21-08-RBF-028-01

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低功率射頻器材測試報告



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 報告號碼 : 21-08-RBF-028-01
 實驗室名稱 : 林口實驗室
 實驗室地址 : 新北市林口區頂福里 5 鄰 34 號
 實驗室電話 : 02-26023052
 實驗室認可編號及範圍 : 2628 (9KHz- 40GHz)
 TAF 認可證書有效期限 : 111 年 02 月 08 日
 申請廠商 : 台音貿易有限公司
 申請廠商地址 : 臺中市南屯區新生里龍富路三段 655 號 1 樓
 製造廠商 : IAG Group Ltd.
 器材名稱 : 無線組合音響
 廠牌 : MISSION
 型號 : LX CONNECT
 發射功率(電場強度) : (BR) 95.8 dB μ V/m @3m Peak(電場強度)
 (EDR) 95.0 dB μ V/m @3m Peak(電場強度)
 工作頻率及調變方式 : BR/EDR : 2402 - 2480 MHz ; 79CH ; FHSS
 天線規格 : 固定式 PCB 天線
 備註 : 1. 本測試報告僅對受測之樣品負責。
 2. 非經本中心同意, 測試報告不得摘錄複印使用。(全部複製除外)
 3. 本產品所適用之規範修訂日期 109 年 07 月 01 日。

項次	測試項目	適用規範	測試結果	量測設備	備註
1	場強輻射	低功率射頻器材技術規範 4.10.2.2 節、3.6 節	請參閱4.5 節	請參閱4.3 節	符合
2	電源線傳導干擾	低功率射頻器材技術規範 3.3 節	請參閱5.4 節	請參閱5.3 節	符合
3	天線之要求	低功率射頻器材技術規範 3.2 節	請參閱6.2 節	----	符合
4	開放頻帶邊緣之發射	低功率射頻器材技術規範 4.10.2.4 、3.6 節	請參閱7.4 節	請參閱7.3 節	符合
	以下空白				

報告簽署人：

量測員：



1 一般資料

1.1 產品描述

- a) 產品型態 : 無線組合音響
- b) 廠 牌 : MISSION
- c) 產品型號 : LX CONNECT
- d) 供應電源 : 110V 60Hz
(Adapter : Input 100-240V , 50/60Hz , 0.4A
Output 12Vdc , 1A)

1.2 產品特性

此裝置為無線組合音響(主機)，內建2.4GHz藍牙功能。
藍牙BR/EDR部份，其發射頻率落於2400至2483.5 MHz共分79個頻道，
採用跳頻展頻(Frequency Hopping Spread Spectrum)技術。。

Wireless Technology :				Bluetooth BR / EDR Mode			
Band :				2402-2480 MHz			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

1.3 測試方法之依據

本測試報告之所有項目皆依據低功率射頻器材技術規範以及參考EIA 603、ANSI、FCC/47 CFR/2.1046、2.1047、2.1049、2.1051、2.1053及2.1055之檢驗法。

1.4 系列機種差異說明及測試判定

本案無系列

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3.3節之規定，以市電為電源之低功率射頻器材，其傳導回電源線上頻率自150 kHz~30百萬赫(MHz)之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限制值。測量時應經過50微亨利(uH)及50歐姆(Ω)之電源線阻抗穩定網路(Line Impedance Stabilization Network；LISN)。頻率重疊處，以較低限制值為準。電源傳導干擾之限制要求如下：

頻率(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) 輻射之規定

依據低功率射頻器材技術規範4.10.2.2節之要求，主波與諧波發射：除4.10.2.3 外，發射之電場強度應小於或等於下表限制值：

主波頻率 (MHz)	主波電場強度 (mV/m)	諧波電場強度 (μ V/m)
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

4.10.2.4 除諧波外，指定頻帶外之發射應比主波低50 dB以上或依3.6之發射限制，兩者取其較鬆者。

接收機依據低功率射頻器材技術規範之要求，其任何輻射場強需符合3.6節之一般限制要求：

頻率 MHz	測試距離 m	限制值 dB μ V/m	限制值 μ V/m
0.009 - 0.490	300	48.5 ~ 13.8	2400/kHz
0.490 - 1.705	30	33.8 ~ 22.97	24000/kHz
1.705 - 30	30	29.5	30
30 - 88	3	40.0	100
88 - 216	3	43.5	150
216 - 960	3	46.0	200
960以上	3	54.0	500

(3) 天線之要求

依據低功率射頻器材技術規範3.2節之規定，低功率射頻器材之發射機或收發信機所使用之天線，除本規範章節中另有規定外，應為全固定、半固定式或以獨特之耦合(unique coupling)方式連接機體。製造者可設計供使用者因損壞而替換之天線，但不得設計或使用原認證以外之天線或可供引接各類電纜之標準天線插座或電氣連接頭，如：BNC、F type、N type、M type、UG type、RCA、SMA、SMB...等及其他各類工業或通訊標準接頭。

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	

2.3 量測不確定度資訊

Measurement	Frequency	Uncertainty
Conducted emissions	9kHz ~ 30MHz	$\pm 3.34\text{dB}$ (Mains)(LISN)
Radiated emissions	9kHz ~ 30MHz	$\pm 4.22\text{dB}$
Radiated emissions	30MHz ~ 1GHz	$\pm 4.2\text{dB}$ ($30\text{MHz} \leq f \leq 300\text{MHz}$)
		$\pm 4.44\text{dB}$ ($300\text{MHz} < f \leq 1\text{GHz}$)
	Above 1GHz	$\pm 4.44\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)
		$\pm 3.02\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

此量測不確定數值係以 95%區間,k=2 之擴充不確定度表示

本實驗室依據之測試方法或標準若已有限制值或判斷基準，

測試結果將依據測試方法或標準直接給出決定規則，量測不準確度不列入考慮。

3 受測裝置之系統說明

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The RF radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (X axis) and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

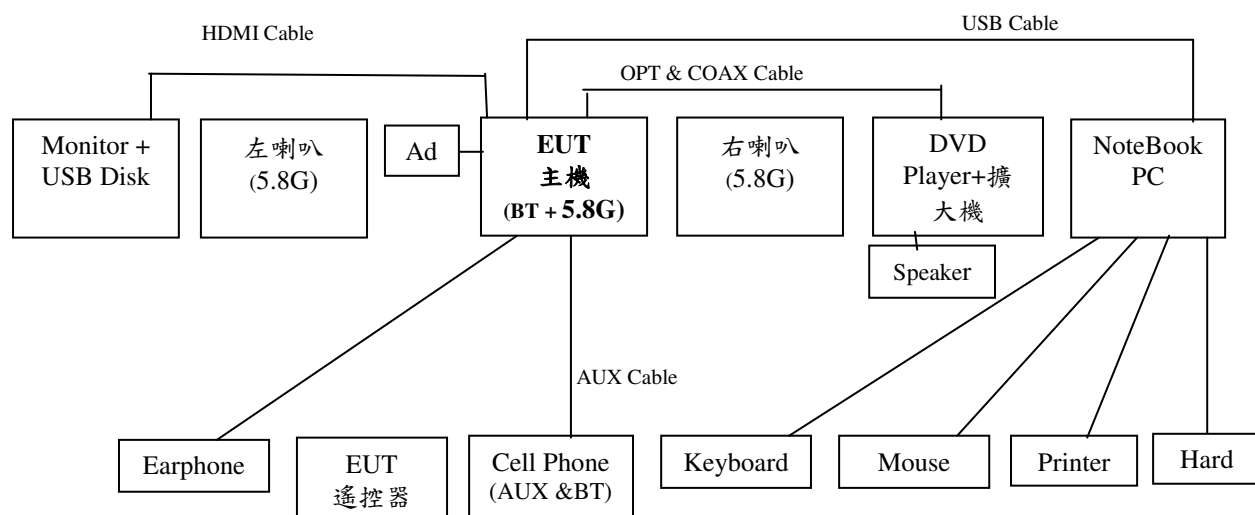
Worst-case RF Mode are shown as following table.

Band	Mode
Bluetooth	BR
Bluetooth	EDR

3.1測試接續圖(一般正常使用)

模式評估說明：以模式一、二、三、四、五、六模式下進行檢測並記錄其讀值。

測試模式	
一	AV AUDIO 播放模式下
二	AUX 連接 Cell Phone 播放模式下
三	Bluetooth 播放模式下
四	USB 連接 NoteBook 播放模式下
五	OPT(光纖)連接 DVD Player 播放模式下
六	COAX(同軸)連接 DVD Player 播放模式下



3.1.1 待測物之主要配備

裝置名稱	廠牌	型號	纜線說明/規格
*無線組合音響	MISSION	LX CONNECT	---
(隨附配件) Adapter	泰碁	GQ12-120100-HU	1.8m Unshielded AC Adapter

*表示待測物

3.1.2. 外接週邊設備

裝置名稱	廠牌	型號	纜線說明/規格
左喇叭	MISSION	LX CONNECT	1.8m Unshielded AC Power Core
右喇叭	MISSION	LX CONNECT	1.8m Unshielded AC Power Core
Cell Phone	NOKIA	301	---
3.5mm To RCA Cable	Probest	305RCA	0.8m Unshielded RCA Cable
USB 4-Port Hub	Transcend	TS-HUB2K	0.2m Unshielded Cable
Keyboard	Dell	KB4021	0.6m Unshielded Cable
Mouse	Dell	MS111-L	0.6m Unshielded Cable
Printer	HP	deskjet 948c	1.5m Unshielded AC Cable 0.6m Unshielded Cable
Hard Disk	SONY	HD-B1	0.3m Unshielded Cable
Notebook	DELL	P130G	1.8m Unshielded AC Adapter 1.8m Unshielded USB Cable
Monitor	SONY	KDL-22EX420	1.8m Unshielded AC Adapter
HDMI Cable	敏希	28378	1.8m Unshielded HDMI Cable
USB Disk	SONY	16GB	---
DVD Player	SONY	DVP-NS530	1.5m Unshielded AC Cable
光纖線	---	---	0.8m Unshielded OPT Cable
RCA 同軸線	Probest	Coa	0.8m Unshielded COAX Cable
擴大機	YAMAHA	RX-V383	1.5m Unshielded AC Cable
RCA 信號線	Probest	2RCA	0.8m Unshielded RCA Cable
Speaker Load	---	---	0.8m Unshielded Cable
Earphone	PHILIPS	SBC HL140	0.8m Unshielded Cable
USB 延長線	CE-Link	2485	0.3m Unshielded Cable
USB 延長線	UGREEN	10368	1.0m Unshielded Cable
USB 延長線	UGREEN	10368	1.0m Unshielded Cable

3.2測試接續圖(測試模式使用)

同 3.1 節

3.2.1.測試治具、測試軟體名稱、測試軟體版本

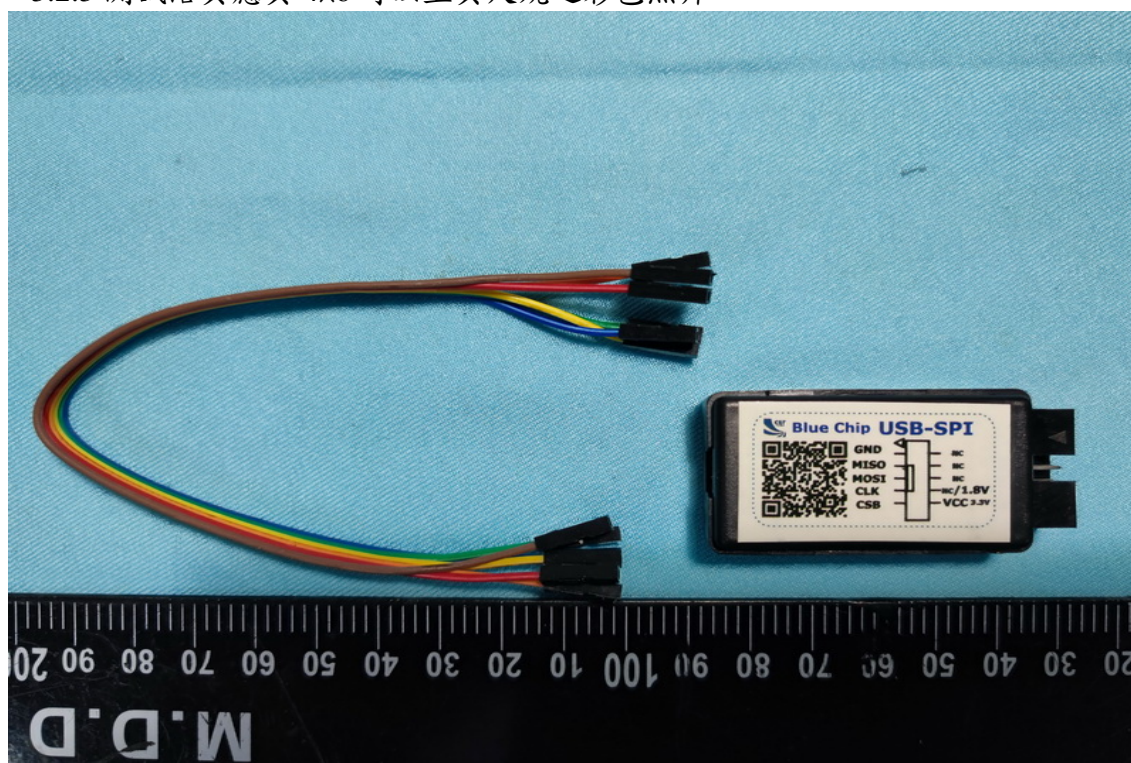
裝置名稱	廠牌	型號	纜線說明/規格
測試治具	CSR	USB-SPI	0.2m Unshielded Cable

測試軟體名稱	CSR BlueSuite
測試軟體版本	2.5.8

3.2.2.測試模式之最大發射功率、頻率、頻寬、調變技術等設定值

模式	頻率	設定值
Bluetooth BR	2402-2480MHz	依 CSR 測試程式預設值
Bluetooth EDR	2402-2480MHz	依 CSR 測試程式預設值

3.2.3 測試治具應具 4x6 吋以上具尺規之彩色照片。



4 場強輻射之量測

4.1 適用標準

依據低功率射頻器材技術規範4.10.2.2節之要求，主波與諧波發射：除4.10.2.3 外，發射之電場強度應小於或等於下表限制值：

主波頻率 (MHz)	主波電場強度 (mV/m)	諧波電場強度 (uV/m)
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

4.10.2.4 除諧波外，指定頻帶外之發射應比主波低50 dB以上或依3.6 之發射限制，兩者取其較鬆者。

4.2 量測方法

30MHz ~ 1GHz：將待測物置於0.8米高的非金屬桌面，使其在工作狀態，接收天線置於3米外1米高相同的高度。待測物分別要垂直或水平放置，而且桌面要360度旋轉，另外接收天線也要從1米至4米升降變化，以找出最大的輻射電場強度，接收天線置於水平、垂直極向各執行測試一次。

1GHz以上：將待測物置於1.5米或0.8米高(依待測物為發射機或接收機)的非金屬桌面，使其在工作狀態，接收指向性天線置於3米外高度1米高(依待測物為發射機或接收機)。待測物分別要垂直或水平放置，而且桌面要360度旋轉，另外接收指向性天線也要從1米至4米升降變化，以找出最大的輻射電場強度，接收指向性天線置於水平、垂直極向各執行測試一次。

4.3 量測場強輻射之儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
EMI Test Receiver	Rohde & Schwarz	ESU40 (13054416-001)	2021/03/25	2022/03/24
Bi-Log Antenna	ETC & JYE BAO	MCTD 2786B & FAT-NM5NF5T3G2W5	2021/07/08	2022/07/07
Amplifier	HP	8447D (13040711-001)	2020/10/6	2021/10/5
Horn Antenna	EMCO	3116 (13058801-001)	2020/8/19	2021/8/18
Horn Antenna	ETS-Lindgren	3117 (13059211-002)	2021/03/16	2022/03/15
Amplifier	HP	8449B (13052901-001)	2020/10/06	2021/10/05
Amplifier	Keysight	83051A (13052926-001 & 13032683-001)	2021/08/27	2022/08/26

4.4 場強度之計算

場強之計算公式如下

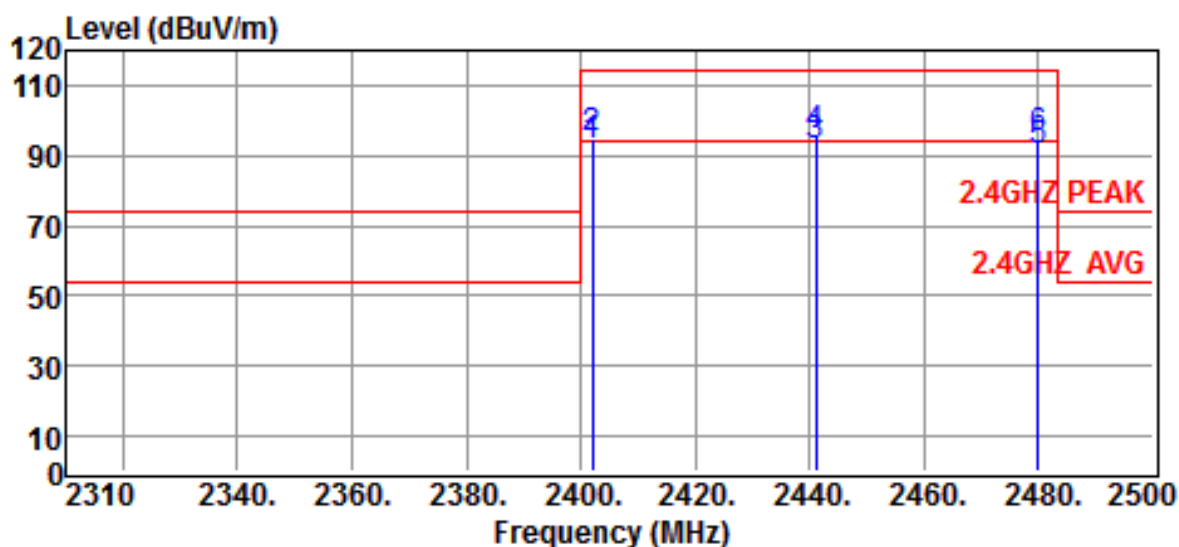
$$\text{結果值} = \text{讀值} + \text{校正因子} + \text{週期因子}$$

其中校正因子為：

$$\text{天線因子} + \text{饋線損失} + \text{濾波器損失（若有使用）} - \text{放大器增益（若有使用）}$$

4.5 場強輻射之量測結果

4.5.1 發射主波



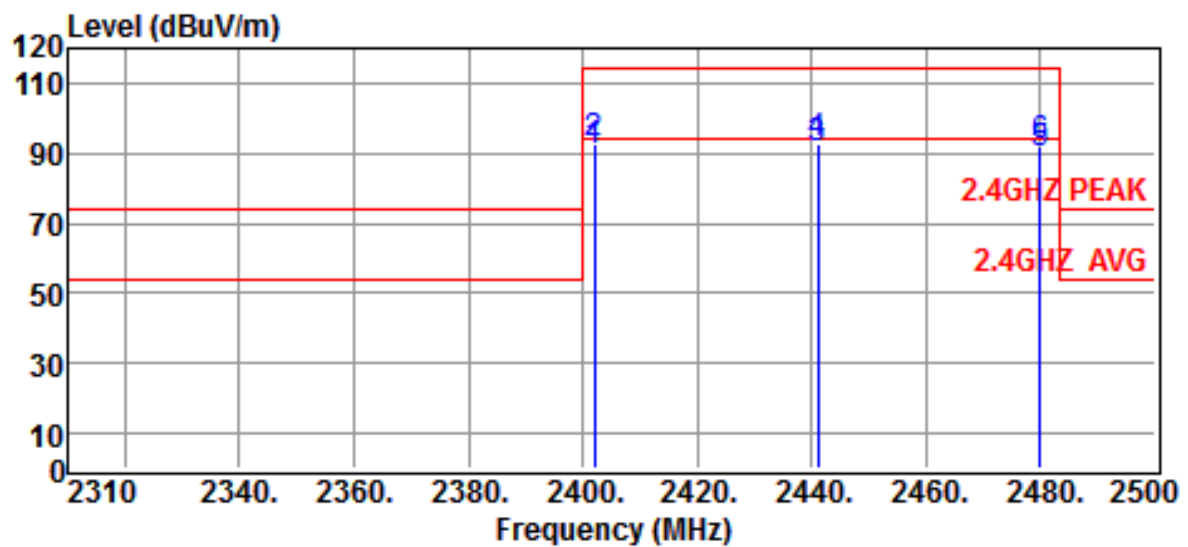
Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2402.0000	92.57	-0.17	92.40	94.00	-1.60	Average
	2402.0000	95.27	-0.17	95.10	114.00	-18.90	Peak
*	2441.0000	93.09	-0.19	92.90	94.00	-1.10	Average
	2441.0000	95.99	-0.19	95.80	114.00	-18.20	Peak
	2480.0000	91.59	-0.09	91.50	94.00	-2.50	Average
	2480.0000	94.79	-0.09	94.70	114.00	-19.30	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



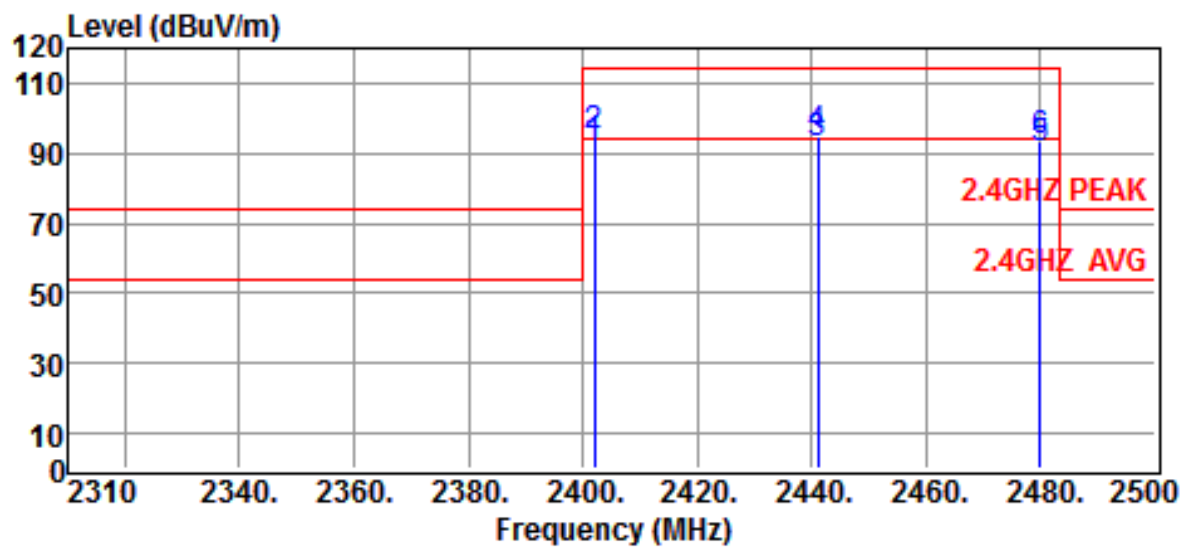
Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2402.0000	90.97	-0.17	90.80	94.00	-3.20	Average
	2402.0000	92.57	-0.17	92.40	114.00	-21.60	Peak
*	2441.0000	91.19	-0.19	91.00	94.00	-3.00	Average
	2441.0000	92.99	-0.19	92.80	114.00	-21.20	Peak
	2480.0000	90.09	-0.09	90.00	94.00	-4.00	Average
	2480.0000	91.79	-0.09	91.70	114.00	-22.30	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



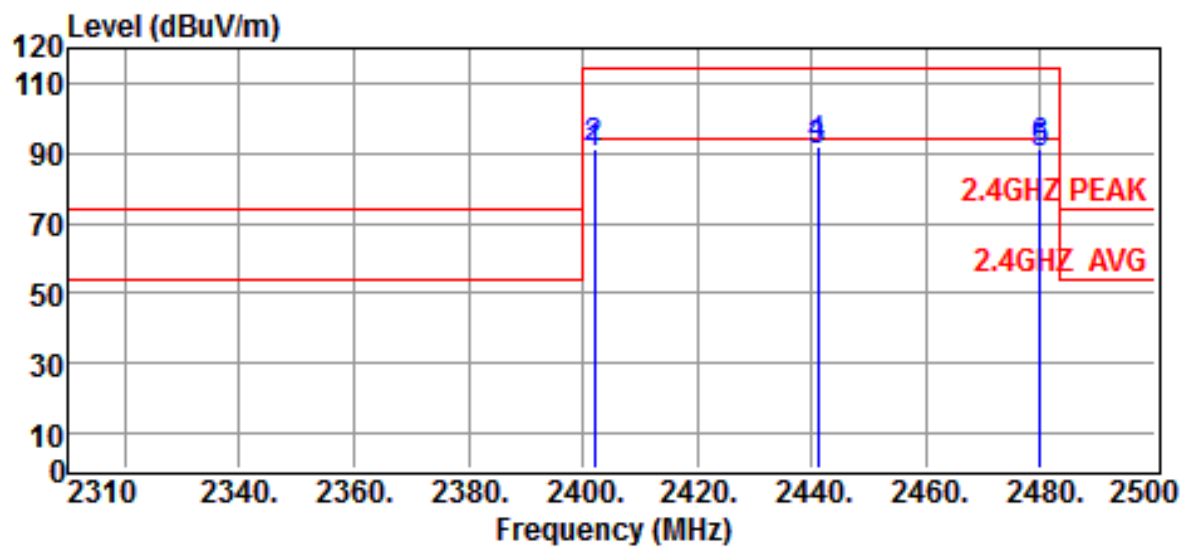
Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2402.0000	92.47	-0.17	92.30	94.00	-1.70	Average
	2402.0000	94.97	-0.17	94.80	114.00	-19.20	Peak
*	2441.0000	92.69	-0.19	92.50	94.00	-1.50	Average
	2441.0000	95.19	-0.19	95.00	114.00	-19.00	Peak
	2480.0000	91.09	-0.09	91.00	94.00	-3.00	Average
	2480.0000	93.49	-0.09	93.40	114.00	-20.60	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

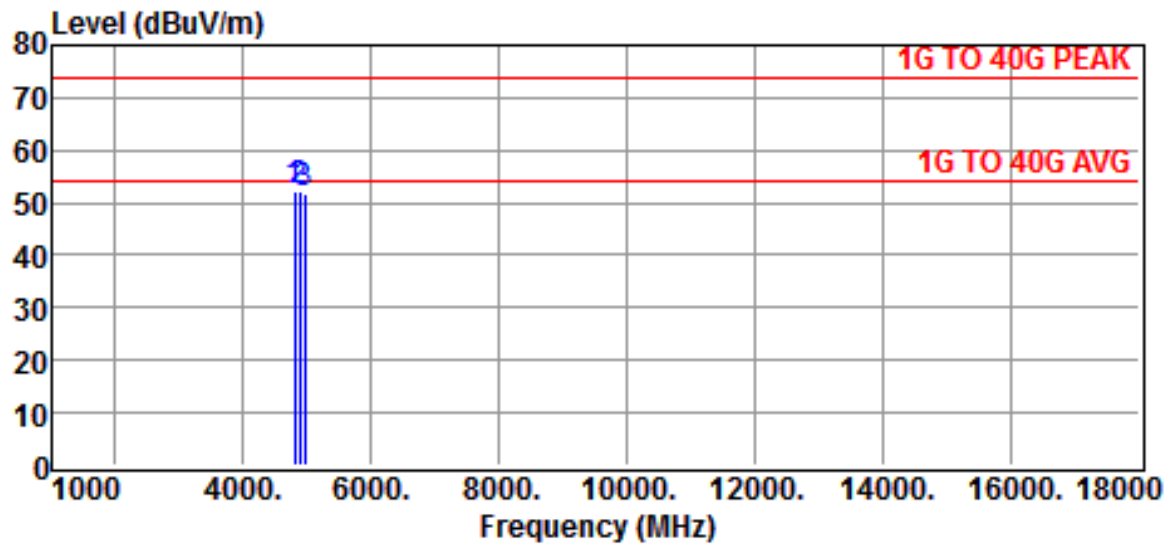
TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2402.0000	90.27	-0.17	90.10	94.00	-3.90	Average
	2402.0000	91.57	-0.17	91.40	114.00	-22.60	Peak
*	2441.0000	90.59	-0.19	90.40	94.00	-3.60	Average
	2441.0000	92.19	-0.19	92.00	114.00	-22.00	Peak
	2480.0000	89.59	-0.09	89.50	94.00	-4.50	Average
	2480.0000	91.19	-0.09	91.10	114.00	-22.90	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.

4.5.2 諧波及本地震盪



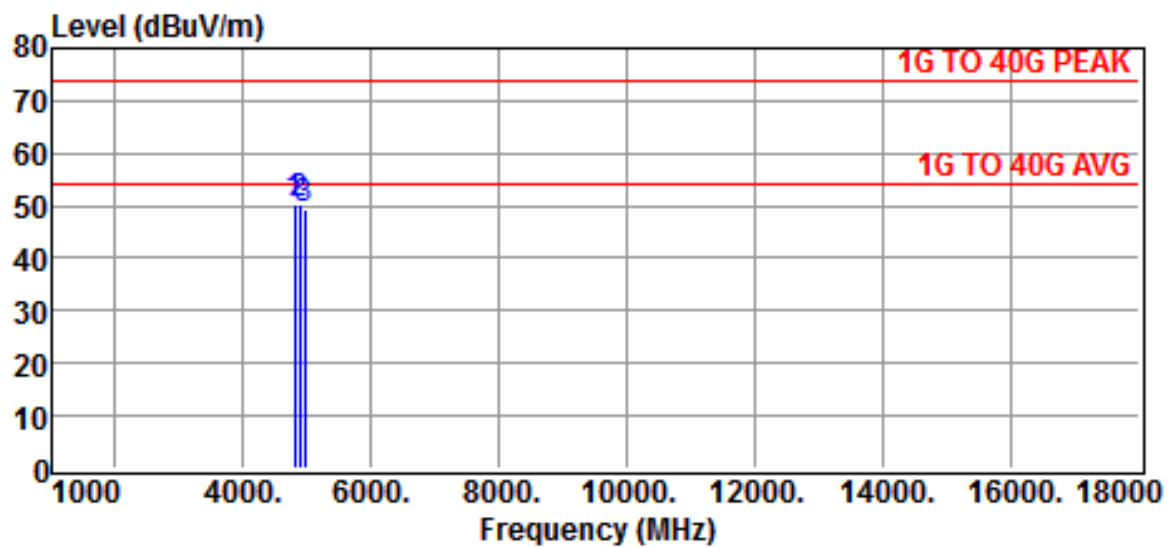
Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	47.42	4.68	52.10	74.00	-21.90	Peak
*	4882.0000	47.61	4.79	52.40	74.00	-21.60	Peak
	4960.0000	46.60	4.90	51.50	74.00	-22.50	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



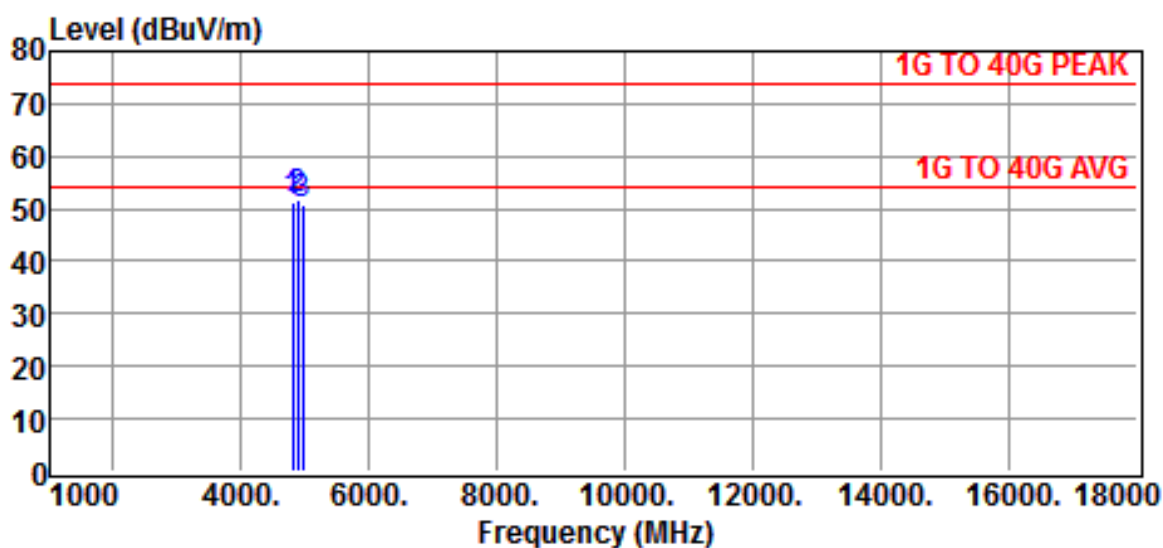
Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	45.42	4.68	50.10	74.00	-23.90	Peak
*	4882.0000	45.71	4.79	50.50	74.00	-23.50	Peak
	4960.0000	44.50	4.90	49.40	74.00	-24.60	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



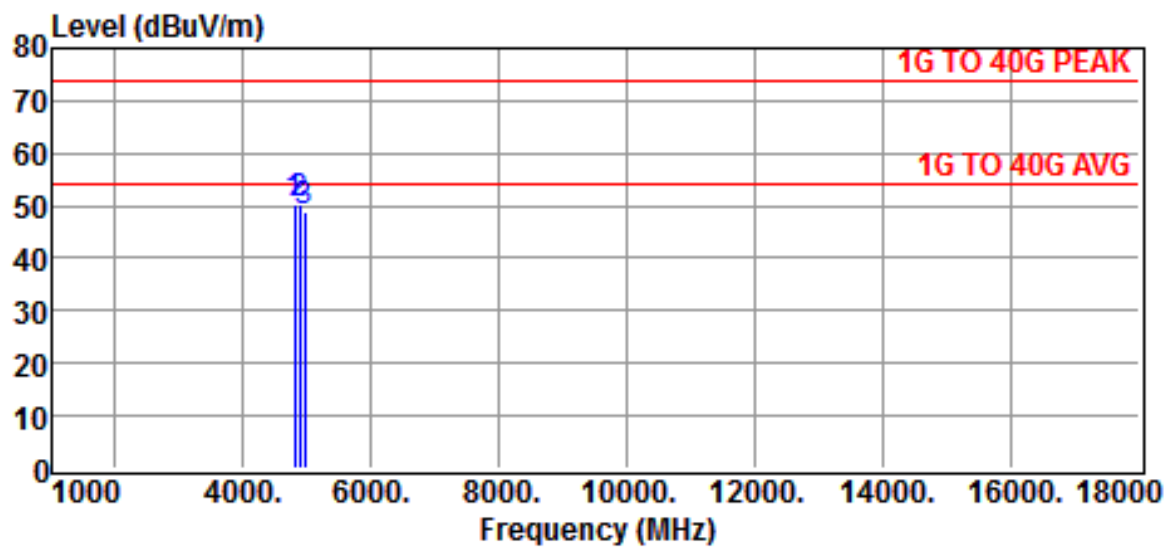
Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	46.52	4.68	51.20	74.00	-22.80	Peak
*	4882.0000	47.11	4.79	51.90	74.00	-22.10	Peak
	4960.0000	45.90	4.90	50.80	74.00	-23.20	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

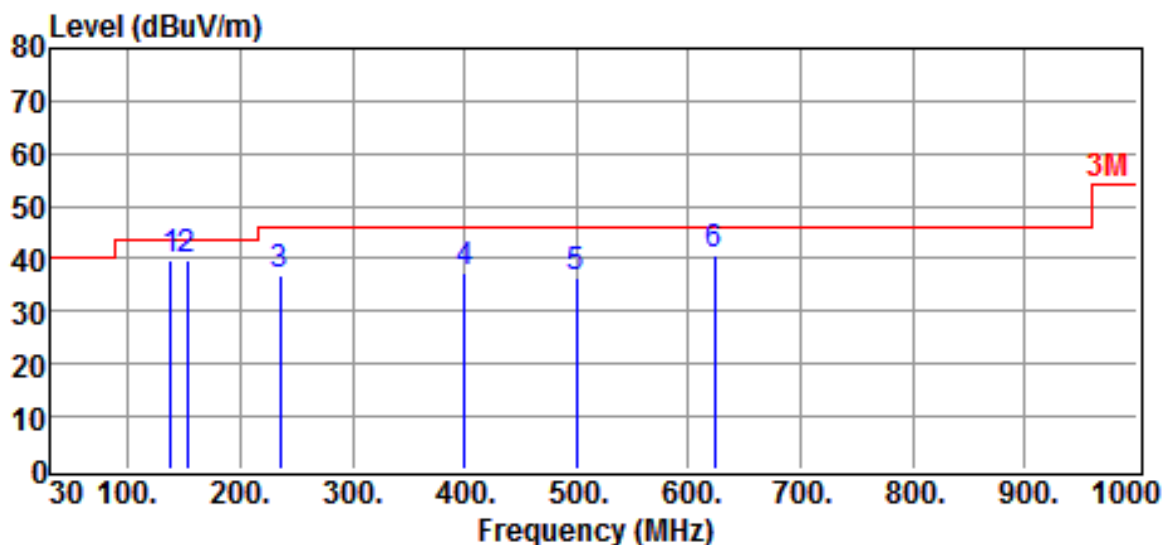
	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	45.62	4.68	50.30	74.00	-23.70	Peak
*	4882.0000	45.71	4.79	50.50	74.00	-23.50	Peak
	4960.0000	44.10	4.90	49.00	74.00	-25.00	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.

4.5.3 其它不必要之訊號

A. 1GHz以下

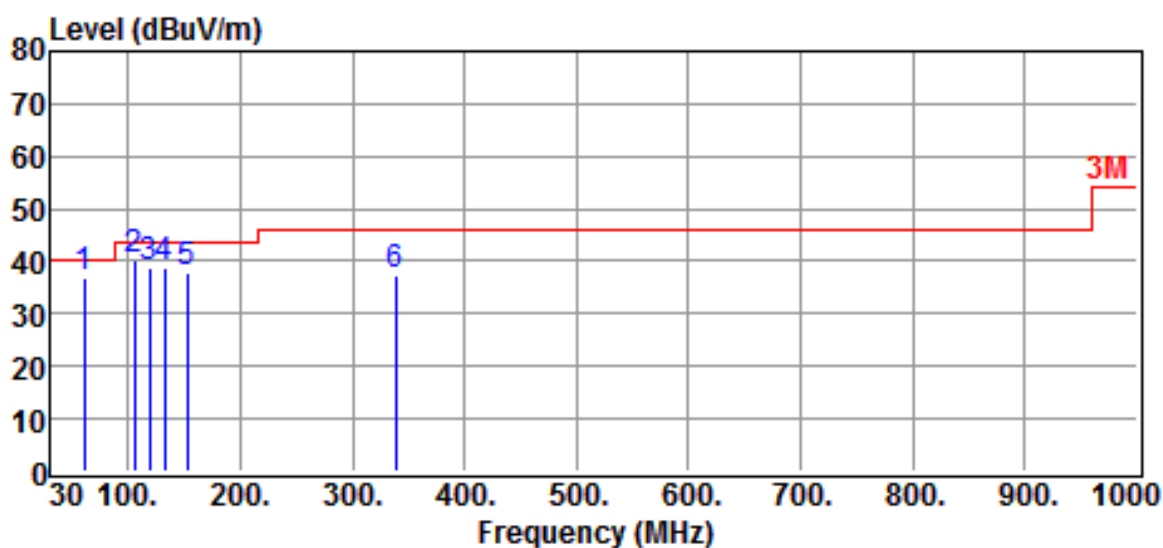


Site	:Chamber #2	Date	:2021-09-01
Limit	:3M	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:55 %
Test Mode	:AV AUDIO MODE		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	138.6400	44.98	-5.28	39.70	43.50	-3.80	QP
*	152.2200	46.64	-6.87	39.77	43.50	-3.73	QP
	235.6400	44.56	-7.48	37.08	46.00	-8.92	QP
	400.5400	39.67	-2.30	37.37	46.00	-8.63	QP
	499.4800	37.91	-1.35	36.56	46.00	-9.44	QP
	623.6400	40.19	0.45	40.64	46.00	-5.36	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



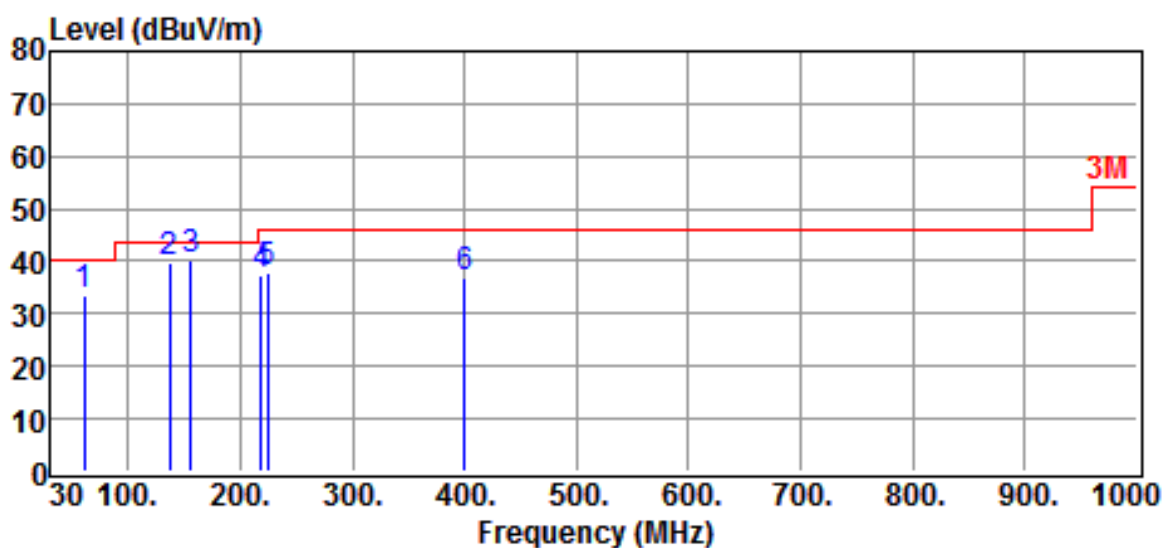
Site :Chamber #2
 Limit :3M
 EUT :無線組合音響
 Power Rating :110V / 60Hz
 Engineer :KEVIN LEE
 Test Mode :AV AUDIO MODE

Date :2021-09-01
 Ant. Pol. :VERTICAL
 Model :LX CONNECT
 Temp. :24 °C
 Humi. :55 %

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	61.0400	48.34	-11.32	37.02	40.00	-2.98	QP
	105.6600	46.69	-6.46	40.23	43.50	-3.27	QP
	119.2400	43.66	-4.98	38.68	43.50	-4.82	QP
	132.8200	43.74	-4.96	38.78	43.50	-4.72	QP
	152.2200	44.61	-6.87	37.74	43.50	-5.76	QP
	338.4600	41.16	-3.82	37.34	46.00	-8.66	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. ” * ” mean this data is the worst emission level.



Site :Chamber #2

Date :2021-09-01

Limit :3M

Ant. Pol. :HORIZONTAL

EUT :無線組合音響

Model :LX CONNECT

Power Rating :110V / 60Hz

Temp. :24 °C

Engineer :KEVIN LEE

Humi. :55 %

Test Mode :AUX MODE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	61.0400	44.80	-11.32	33.48	40.00	-6.52	QP
	136.7000	45.12	-5.14	39.98	43.50	-3.52	QP
*	156.1000	47.76	-7.50	40.26	43.50	-3.24	QP
	218.1800	46.45	-9.20	37.25	46.00	-8.75	QP
	224.0000	46.03	-8.18	37.85	46.00	-8.15	QP
	400.5400	39.36	-2.30	37.06	46.00	-8.94	QP

Note :

1. Result = Reading + Correction Factor

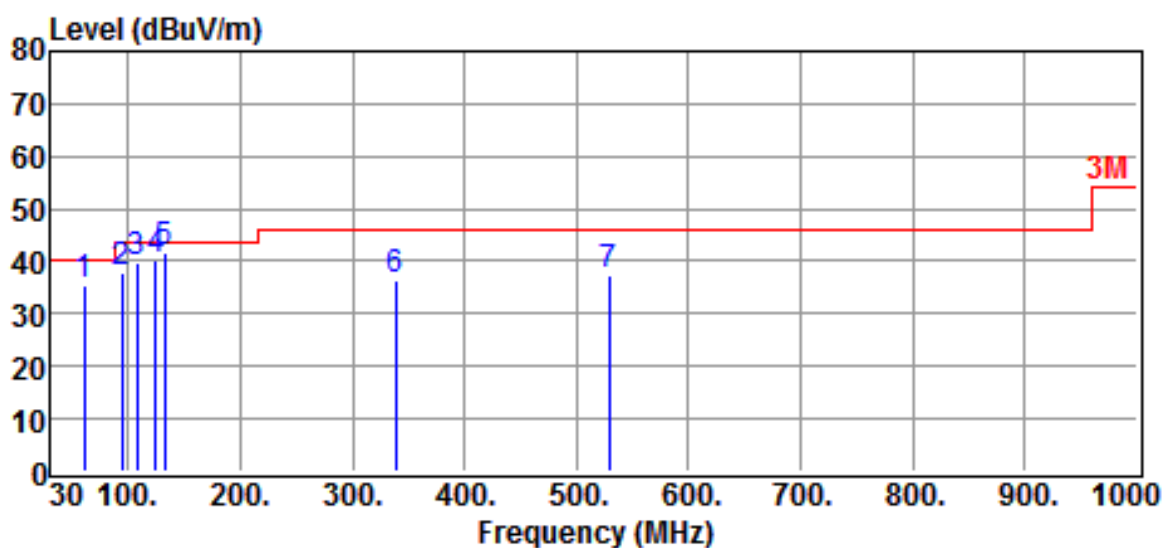
2. Average Result = Peak Result + Duty Factor ()

3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)

4. The margin value=Limit - Result

5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

6. ” * ” mean this data is the worst emission level.



Site :Chamber #2

Date :2021-09-01

Limit :3M

Ant. Pol. :VERTICAL

EUT :無線組合音響

Model :LX CONNECT

Power Rating :110V / 60Hz

Temp. :24 °C

Engineer :KEVIN LEE

Humi. :55 %

Test Mode :AUX MODE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	61.0400	46.78	-11.32	35.46	40.00	-4.54	QP
	94.0200	48.12	-10.32	37.80	43.50	-5.70	QP
	107.6000	45.76	-6.07	39.69	43.50	-3.81	QP
	125.0600	45.16	-4.81	40.35	43.50	-3.15	QP
*	132.8200	46.41	-4.96	41.45	43.50	-2.05	QP
	338.4600	40.46	-3.82	36.64	46.00	-9.36	QP
	528.5800	37.97	-0.56	37.41	46.00	-8.59	QP

Note :

1. Result = Reading + Correction Factor

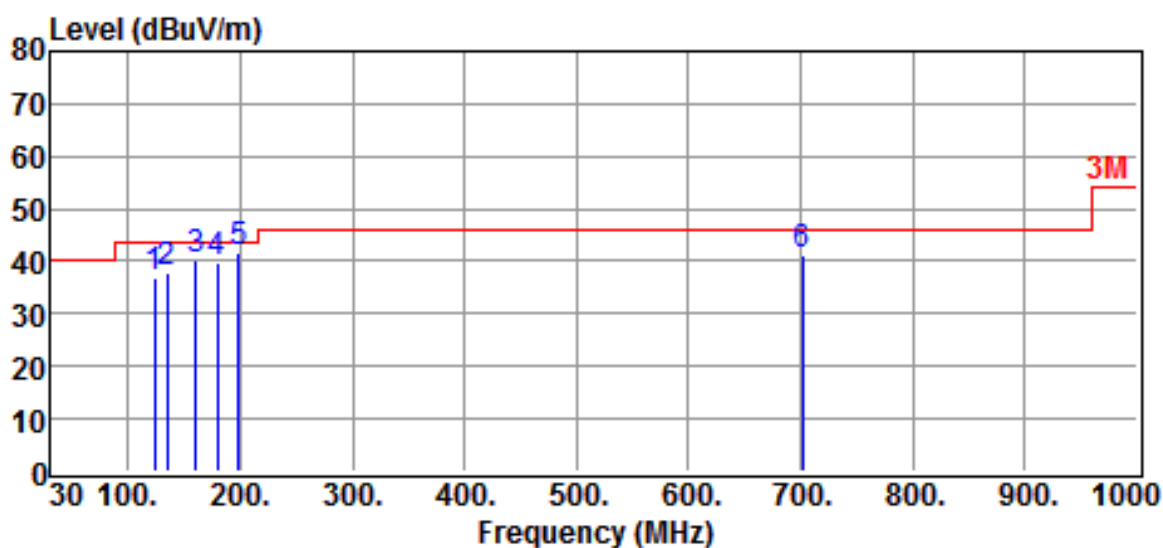
2. Average Result = Peak Result + Duty Factor ()

3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)

4. The margin value=Limit - Result

5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

6. " * " mean this data is the worst emission level.

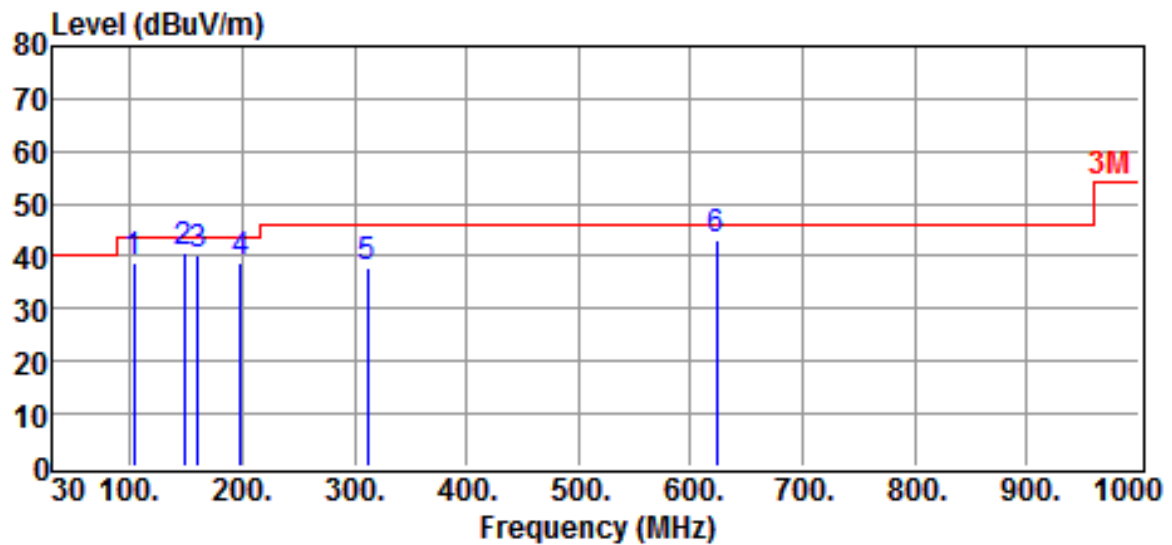


Site	:Chamber #2	Date	:2021-09-01
Limit	:3M	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:55 %
Test Mode	:BT & 5.8G MODE		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	123.1200	41.88	-4.83	37.05	43.50	-6.45	QP
	134.7600	42.59	-4.97	37.62	43.50	-5.88	QP
	159.9800	48.16	-8.03	40.13	43.50	-3.37	QP
	179.3800	50.08	-10.43	39.65	43.50	-3.85	QP
*	198.7800	51.05	-9.49	41.56	43.50	-1.94	QP
	701.2400	39.25	1.82	41.07	46.00	-4.93	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



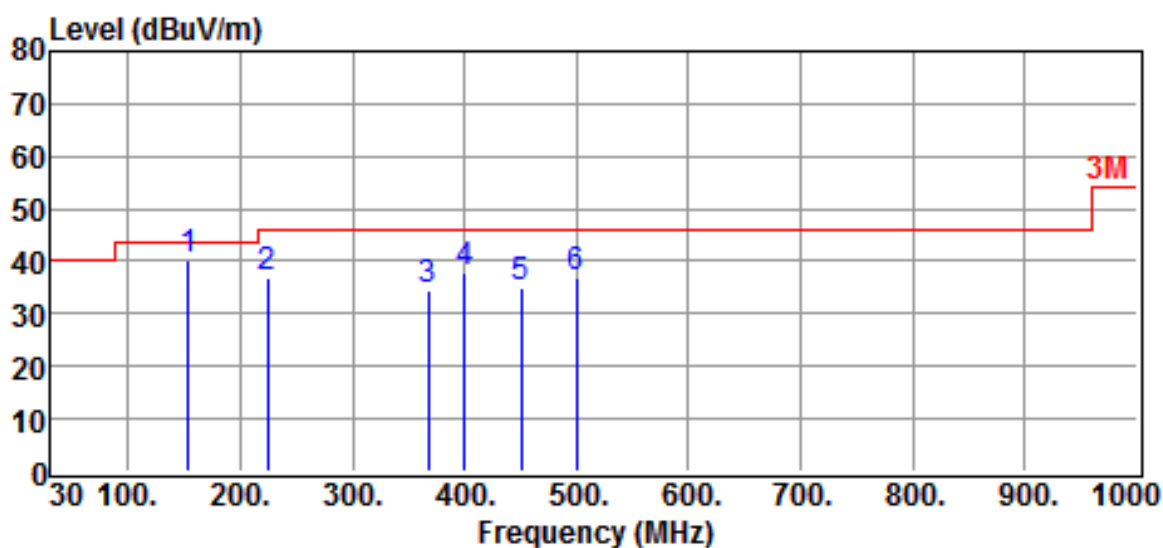
Site :Chamber #2
 Limit :3M
 EUT :無線組合音響
 Power Rating :110V / 60Hz
 Engineer :KEVIN LEE
 Test Mode :BT & 5.8G MODE

Date :2021-09-01
 Ant. Pol. :VERTICAL
 Model :LX CONNECT
 Temp. :24 °C
 Humi. :55 %

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	103.7200	45.84	-6.97	38.87	43.50	-4.63	QP
*	148.3400	47.17	-6.35	40.82	43.50	-2.68	QP
	159.9800	48.24	-8.03	40.21	43.50	-3.29	QP
	198.7800	48.41	-9.49	38.92	43.50	-4.58	QP
	311.3000	42.70	-4.80	37.90	46.00	-8.10	QP
	623.6400	42.70	0.45	43.15	46.00	-2.85	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



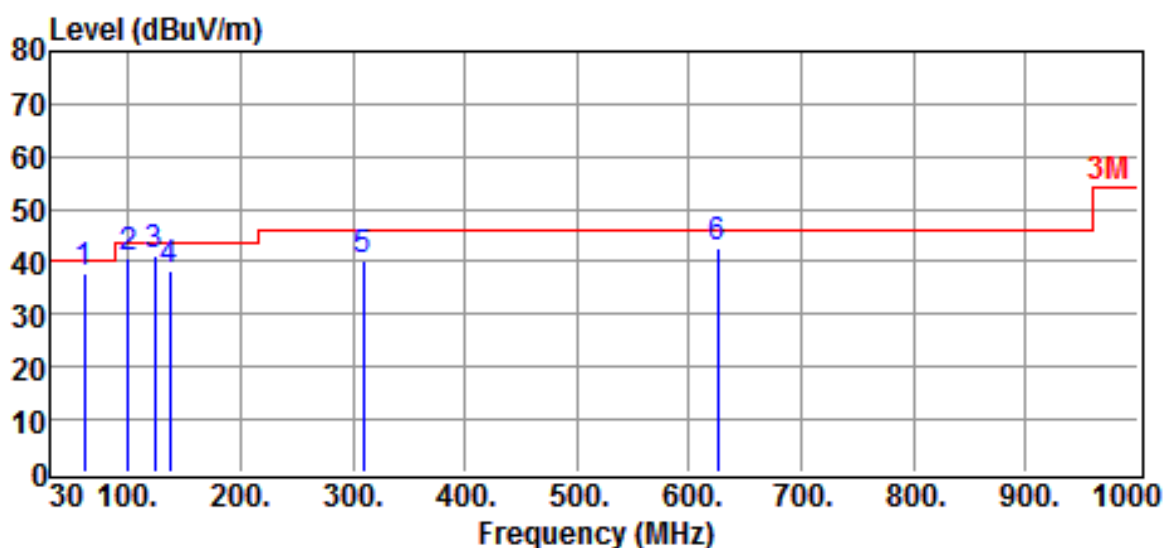
Site :Chamber #2
 Limit :3M
 EUT :無線組合音響
 Power Rating :110V / 60Hz
 Engineer :KEVIN LEE
 Test Mode :USB(NB) MODE

Date :2021-09-01
 Ant. Pol. :HORIZONTAL
 Model :LX CONNECT
 Temp. :24 °C
 Humi. :55 %

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	154.1600	47.22	-7.22	40.00	43.50	-3.50	QP
	224.0000	45.14	-8.18	36.96	46.00	-9.04	QP
	367.5600	38.01	-3.53	34.48	46.00	-11.52	QP
	400.5400	39.93	-2.30	37.63	46.00	-8.37	QP
	450.9800	36.86	-1.69	35.17	46.00	-10.83	QP
	499.4800	38.30	-1.35	36.95	46.00	-9.05	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



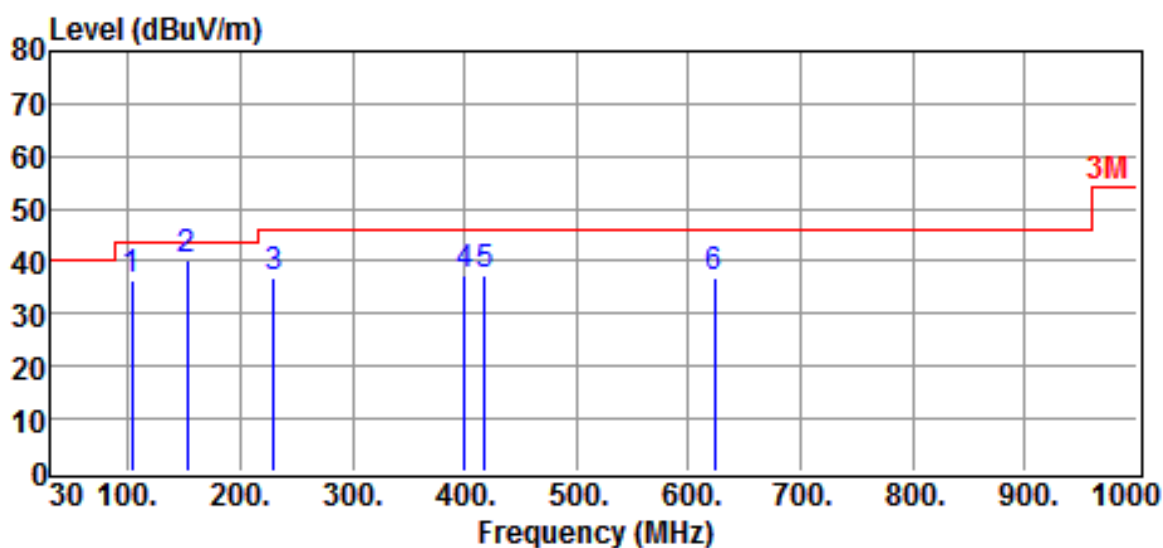
Site :Chamber #2
 Limit :3M
 EUT :無線組合音響
 Power Rating :110V / 60Hz
 Engineer :KEVIN LEE
 Test Mode :USB(NB) MODE

Date :2021-09-01
 Ant. Pol. :VERTICAL
 Model :LX CONNECT
 Temp. :24 °C
 Humi. :55 %

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	61.0400	49.18	-11.32	37.86	40.00	-2.14	QP
	99.8400	48.85	-8.00	40.85	43.50	-2.65	QP
	123.1200	45.92	-4.83	41.09	43.50	-2.41	QP
	136.7000	43.39	-5.14	38.25	43.50	-5.25	QP
	309.3600	44.88	-4.83	40.05	46.00	-5.95	QP
	625.5800	42.18	0.54	42.72	46.00	-3.28	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



Site :Chamber #2

Date :2021-09-01

Limit :3M

Ant. Pol. :HORIZONTAL

EUT :無線組合音響

Model :LX CONNECT

Power Rating :110V / 60Hz

Temp. :24 °C

Engineer :KEVIN LEE

Humi. :55 %

Test Mode :OPT MODE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	103.7200	43.40	-6.97	36.43	43.50	-7.07	QP
*	152.2200	47.31	-6.87	40.44	43.50	-3.06	QP
	229.8200	44.49	-7.67	36.82	46.00	-9.18	QP
	400.5400	39.90	-2.30	37.60	46.00	-8.40	QP
	418.0000	39.25	-2.10	37.15	46.00	-8.85	QP
	623.6400	36.38	0.45	36.83	46.00	-9.17	QP

Note :

1. Result = Reading + Correction Factor

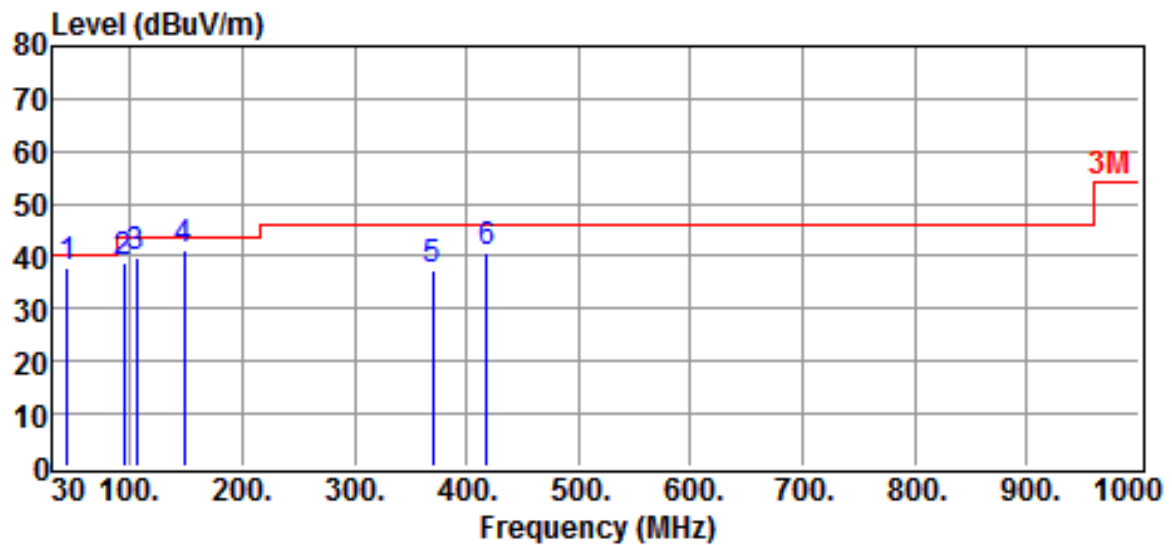
2. Average Result = Peak Result + Duty Factor ()

3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)

4. The margin value=Limit - Result

5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

6. " * " mean this data is the worst emission level.



Site :Chamber #2

Date :2021-09-01

Limit :3M

Ant. Pol. :VERTICAL

EUT :無線組合音響

Model :LX CONNECT

Power Rating :110V / 60Hz

Temp. :24 °C

Engineer :KEVIN LEE

Humi. :55 %

Test Mode :OPT MODE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	43.5800	46.00	-8.24	37.76	40.00	-2.24	QP
	94.0200	49.02	-10.32	38.70	43.50	-4.80	QP
	105.6600	45.98	-6.46	39.52	43.50	-3.98	QP
	148.3400	47.49	-6.35	41.14	43.50	-2.36	QP
	369.5000	40.95	-3.50	37.45	46.00	-8.55	QP
	418.0000	42.72	-2.10	40.62	46.00	-5.38	QP

Note :

1. Result = Reading + Correction Factor

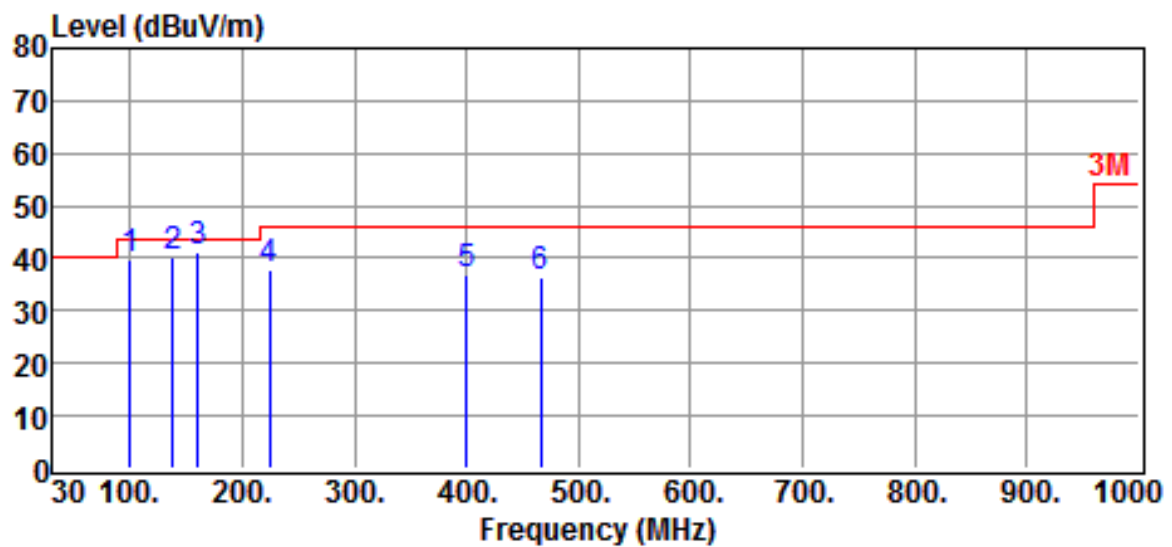
2. Average Result = Peak Result + Duty Factor ()

3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)

4. The margin value=Limit - Result

5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

6. " * " mean this data is the worst emission level.



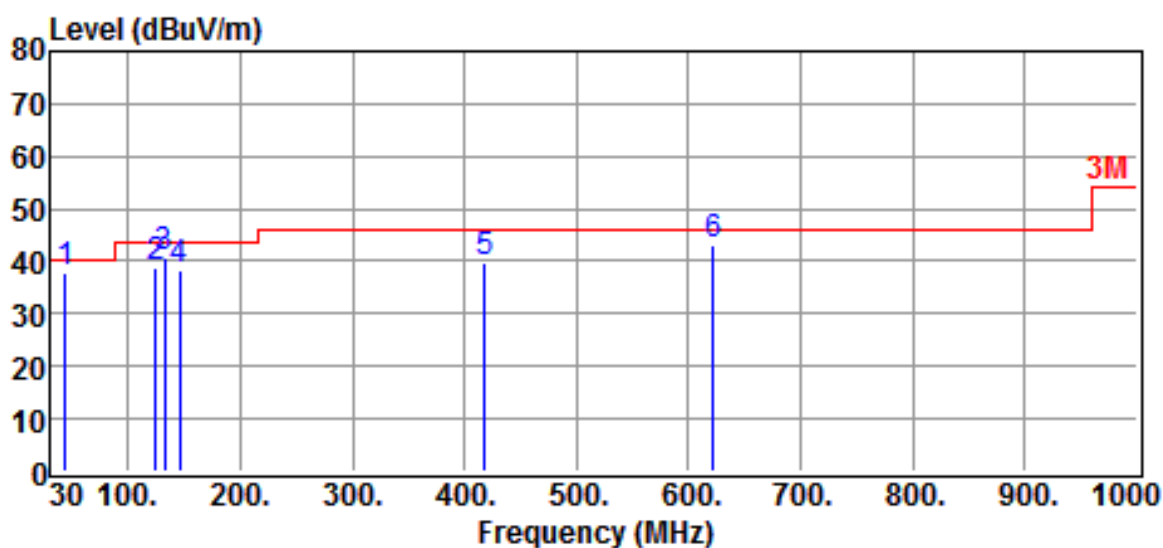
Site :Chamber #2
 Limit :3M
 EUT :無線組合音響
 Power Rating :110V / 60Hz
 Engineer :KEVIN LEE
 Test Mode :COAX MODE

Date :2021-09-01
 Ant. Pol. :HORIZONTAL
 Model :LX CONNECT
 Temp. :24 °C
 Humi. :55 %

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	99.8400	47.67	-8.00	39.67	43.50	-3.83	QP
	138.6400	45.30	-5.28	40.02	43.50	-3.48	QP
*	159.9800	49.26	-8.03	41.23	43.50	-2.27	QP
	224.0000	45.82	-8.18	37.64	46.00	-8.36	QP
	400.5400	39.12	-2.30	36.82	46.00	-9.18	QP
	466.5000	38.29	-1.74	36.55	46.00	-9.45	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. ” * ” mean this data is the worst emission level.



Site :Chamber #2
 Limit :3M
 EUT :無線組合音響
 Power Rating :110V / 60Hz
 Engineer :KEVIN LEE
 Test Mode :COAX MODE

Date :2021-09-01
 Ant. Pol. :VERTICAL
 Model :LX CONNECT
 Temp. :24 °C
 Humi. :55 %

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	43.5800	46.01	-8.24	37.77	40.00	-2.23	QP
	125.0600	43.81	-4.81	39.00	43.50	-4.50	QP
	132.8200	45.88	-4.96	40.92	43.50	-2.58	QP
	146.4000	44.24	-6.11	38.13	43.50	-5.37	QP
	418.0000	41.87	-2.10	39.77	46.00	-6.23	QP
	621.7000	42.80	0.36	43.16	46.00	-2.84	QP

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. ” * ” mean this data is the worst emission level.

c. 1GHz以上

操作模式 : 請參閱第三章節受測裝置之系統說明

測試日期 : 2021-09-01 環境溫度 : 24 °C 環境濕度 : 55 %

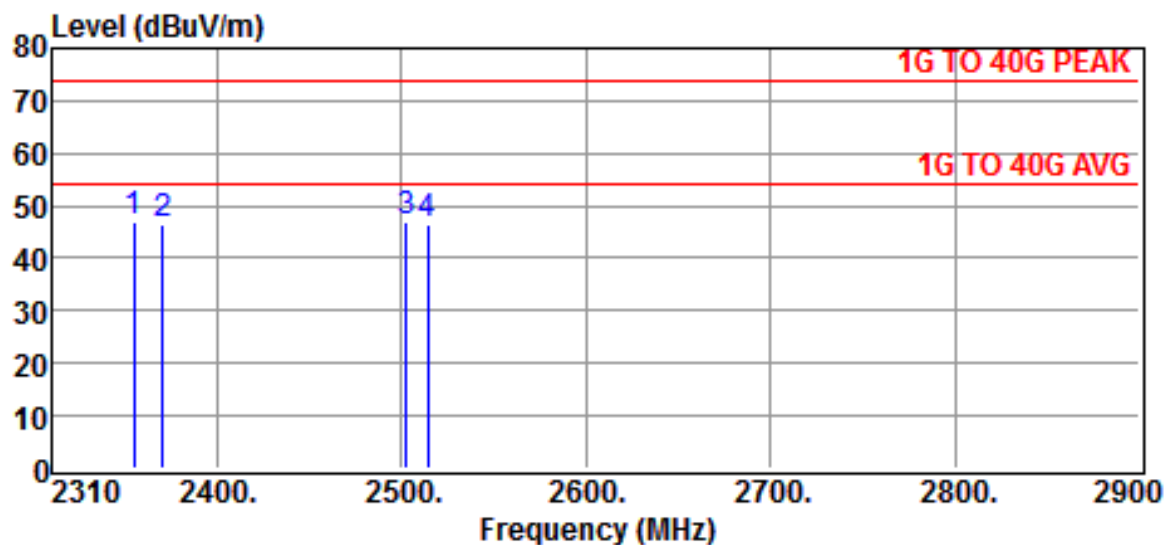
測試結果 : 符合 測試者 : 李志宏

註：

1.1GHz 以上之不必要發射之訊號太弱而儀器無法量測。

2.掃描圖請參考 4.5.1 發射諧波及本地震盪。

4.5.4 限制頻帶之場強輻射測量



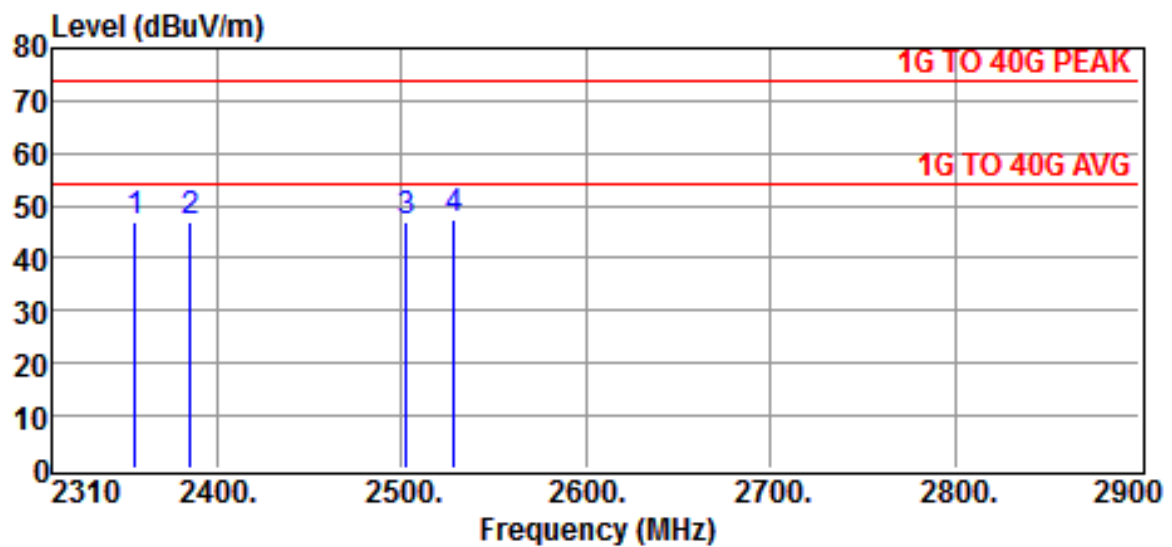
Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2354.8400	47.09	-0.15	46.94	74.00	-27.06	Peak
	2370.1800	46.48	-0.16	46.32	74.00	-27.68	Peak
*	2502.3400	47.20	-0.02	47.18	74.00	-26.82	Peak
	2514.1400	46.66	0.00	46.66	74.00	-27.34	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



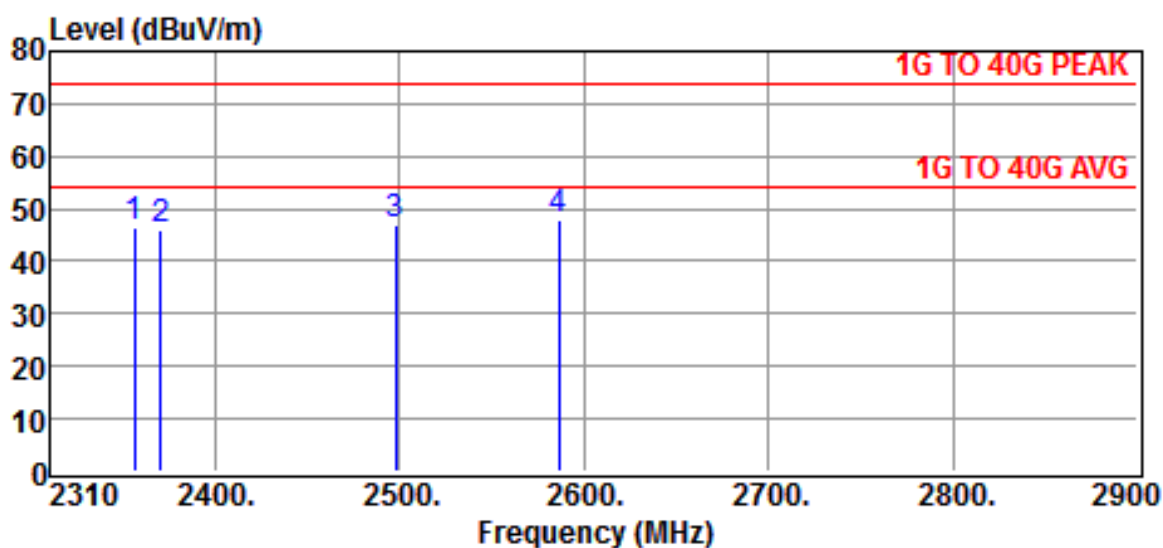
Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2355.4300	47.09	-0.15	46.94	74.00	-27.06	Peak
	2385.5200	47.18	-0.17	47.01	74.00	-26.99	Peak
	2502.3400	47.20	-0.02	47.18	74.00	-26.82	Peak
*	2528.3000	47.48	0.02	47.50	74.00	-26.50	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



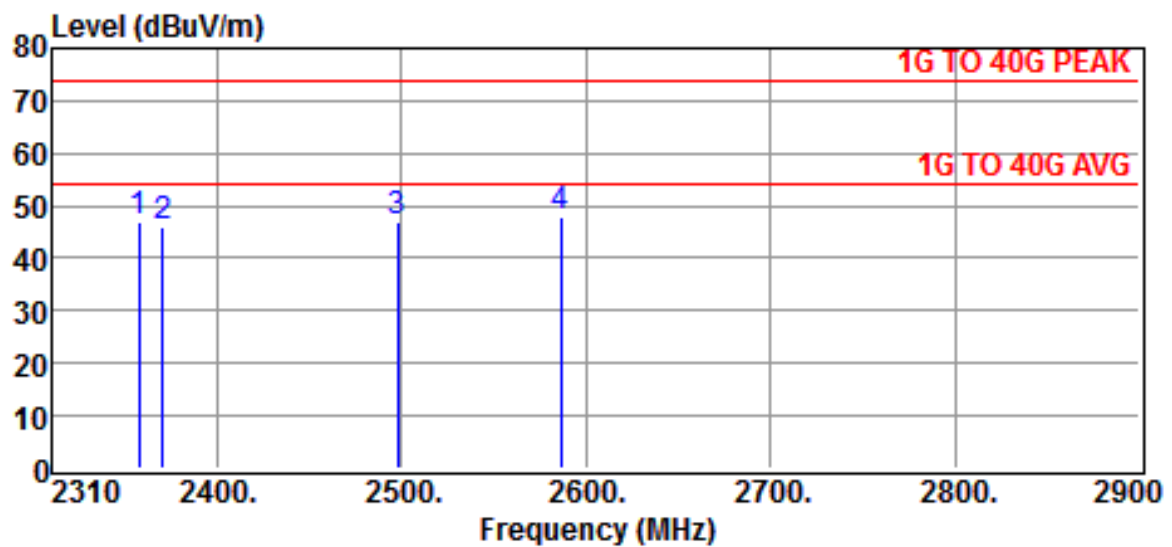
Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2356.0200	46.76	-0.15	46.61	74.00	-27.39	Peak
	2370.1800	46.15	-0.16	45.99	74.00	-28.01	Peak
	2497.6200	46.84	-0.02	46.82	74.00	-27.18	Peak
*	2586.1200	47.83	0.19	48.02	74.00	-25.98	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



Site	:Chamber #2	Date	:2021-08-18
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

TX RX - LO 2402 - MI 2441 - HI 2480MHz

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2357.2000	46.86	-0.15	46.71	74.00	-27.29	Peak
	2370.1800	46.22	-0.16	46.06	74.00	-27.94	Peak
	2497.6200	46.84	-0.02	46.82	74.00	-27.18	Peak
*	2586.1200	47.83	0.19	48.02	74.00	-25.98	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.

4.6 輻射之測試配置

圖 1：量測頻率低於1GHz之測試配置

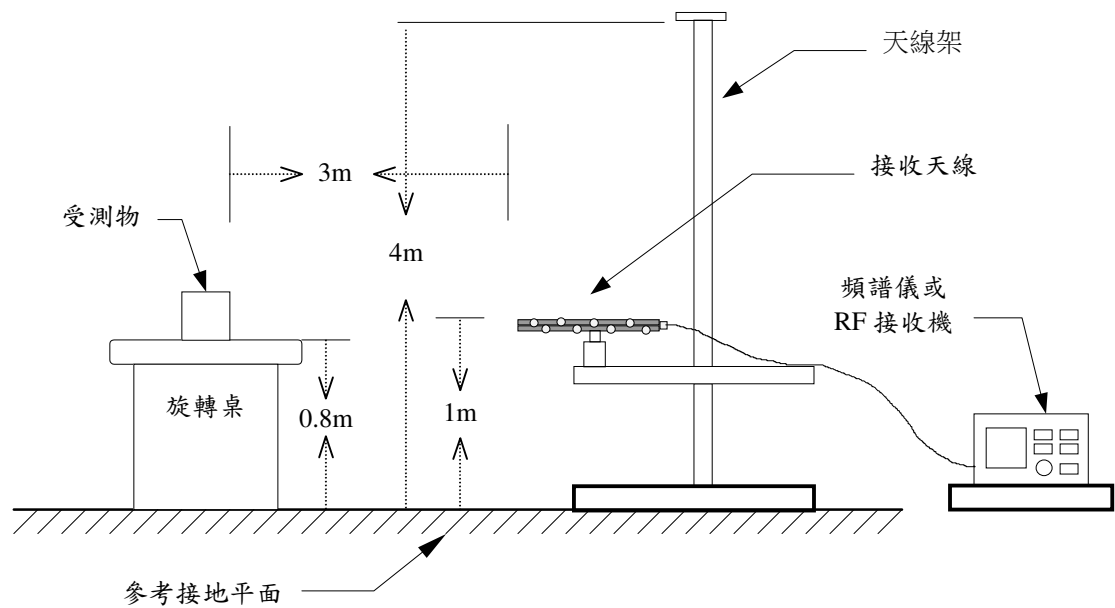
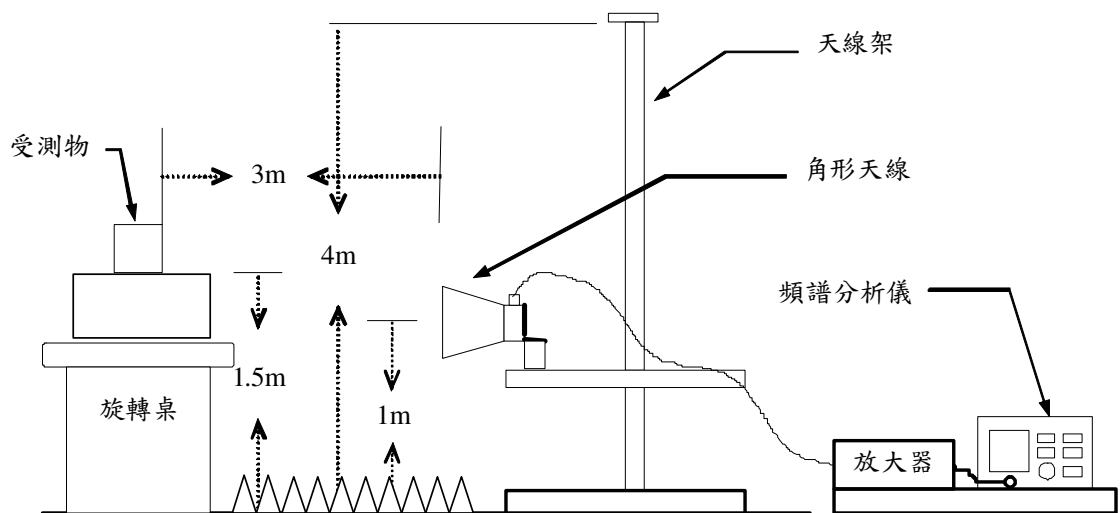
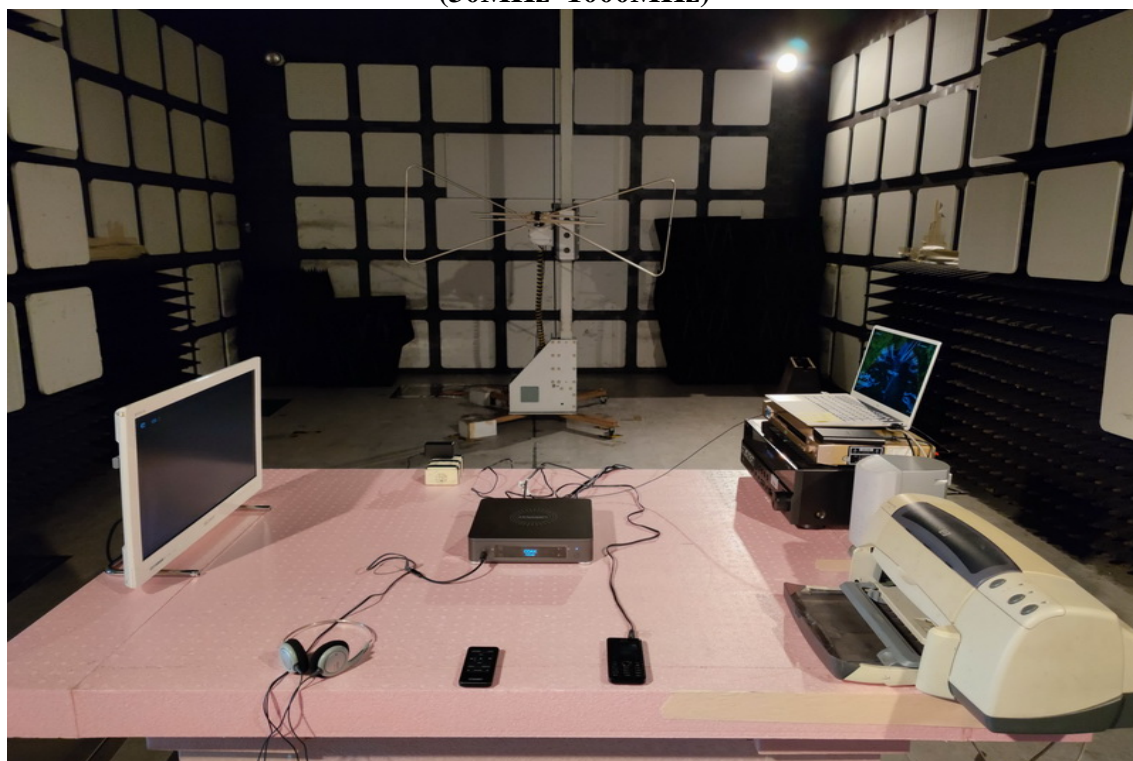


圖 2：量測頻率高於1GHz之測試配置



4.7 輻射量測之配置照片

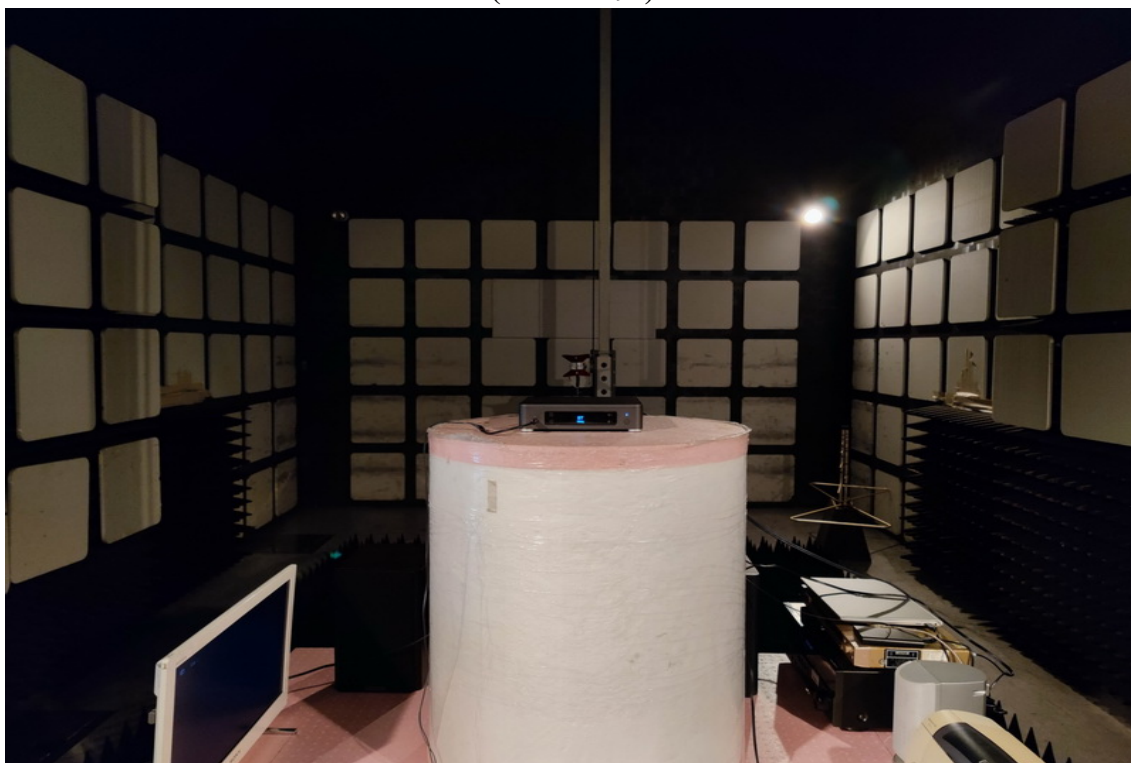
(30MHz~1000MHz)



(1-6GHz)



(6GHz以上)



5 電源線傳導干擾之量測

5.1 適用標準

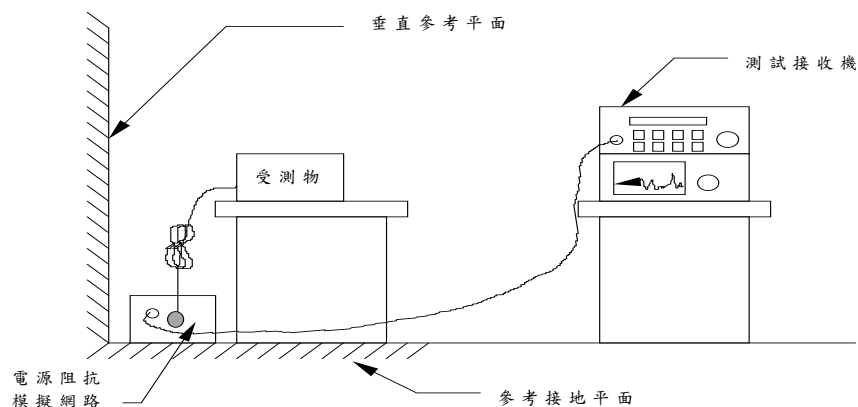
依據低功率射頻器材技術規範3.3節之要求。

5.2 測試方法

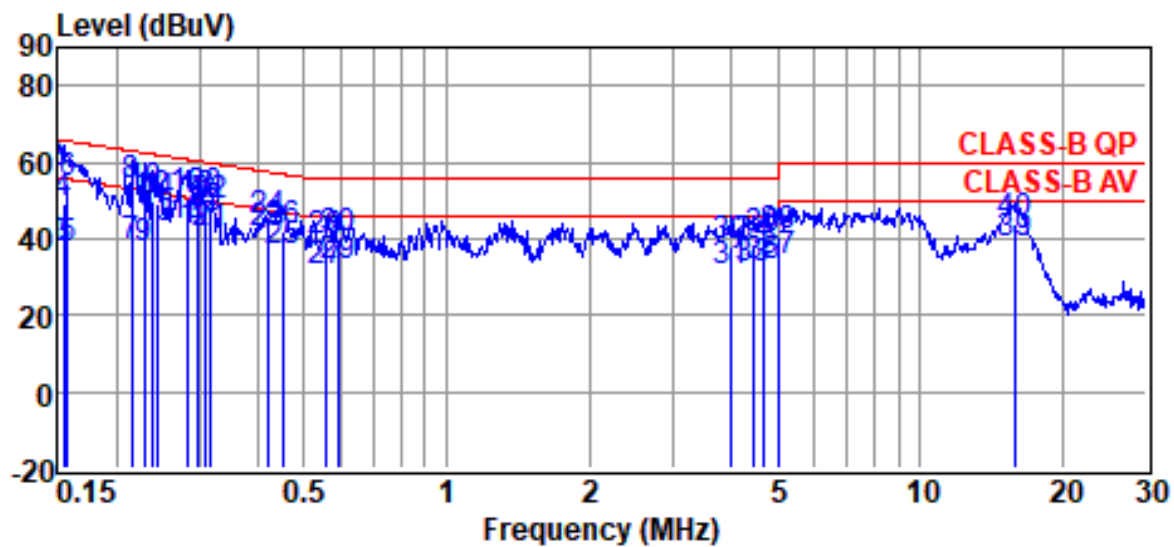
將待測物置於0.8米高的非金屬桌面，使其在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由 0.15MHz 至 30MHz 之間之電源線傳導放射強度。

5.3 測試配置

圖 3：傳導干擾之量測配置



5.4 傳導干擾之量測結果



Site : conducted #1

Date : 2021-09-02

Condition : CLASS-B QP

LISN : NEUTRAL

Tem / Hum : 22 °C / 60%

Test Mode : AV AUDIO MODE

EUT : 無線組合音響

Power Rating : 110V / 60Hz

Engineer : KEVIN LEE

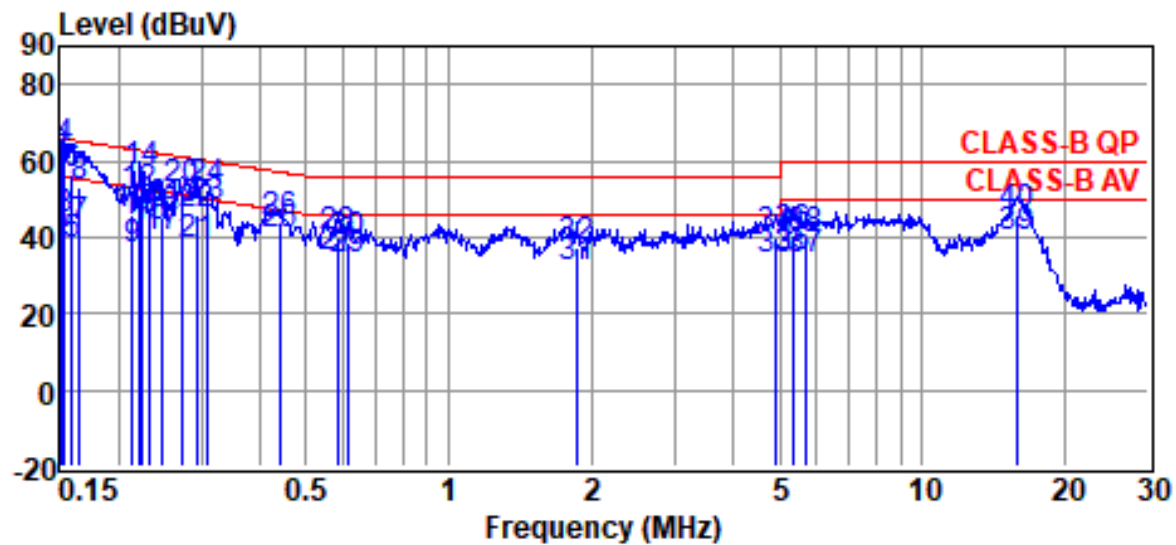
Model : LX CONNECT

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1500	27.86	10.10	37.96	56.00	-18.04	Average
	0.1500	47.18	10.10	57.28	66.00	-8.72	QP
	0.1549	27.10	10.10	37.20	55.74	-18.54	Average
	0.1549	38.88	10.10	48.98	65.74	-16.76	QP
	0.1582	27.01	10.10	37.11	55.56	-18.45	Average
	0.1582	44.21	10.10	54.31	65.56	-11.25	QP
	0.2162	27.76	10.08	37.84	52.96	-15.12	Average
	0.2162	43.65	10.08	53.73	62.96	-9.23	QP
	0.2292	27.08	10.08	37.16	52.48	-15.32	Average
	0.2292	41.91	10.08	51.99	62.48	-10.49	QP
	0.2391	34.38	10.08	44.46	52.13	-7.67	Average
	0.2391	39.64	10.08	49.72	62.13	-12.41	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2455	32.71	10.08	42.79	51.91	-9.12	Average
	0.2455	39.30	10.08	49.38	61.91	-12.53	QP
	0.2833	32.87	10.08	42.95	50.72	-7.77	Average
	0.2833	40.42	10.08	50.50	60.72	-10.22	QP
	0.2987	31.58	10.08	41.66	50.28	-8.62	Average
	0.2987	39.59	10.08	49.67	60.28	-10.61	QP
*	0.3083	36.25	10.08	46.33	50.02	-3.69	Average
	0.3083	40.37	10.08	50.45	60.02	-9.57	QP
	0.3166	31.08	10.09	41.17	49.80	-8.63	Average
	0.3166	38.32	10.09	48.41	59.80	-11.39	QP
	0.4215	31.04	10.09	41.13	47.42	-6.29	Average
	0.4215	34.30	10.09	44.39	57.42	-13.03	QP
	0.4516	26.46	10.09	36.55	46.85	-10.30	Average
	0.4516	32.11	10.09	42.20	56.85	-14.65	QP
	0.5581	21.55	10.10	31.65	46.00	-14.35	Average
	0.5581	29.19	10.10	39.29	56.00	-16.71	QP
	0.5916	22.86	10.10	32.96	46.00	-13.04	Average
	0.5916	29.83	10.10	39.93	56.00	-16.07	QP
	4.0060	21.10	10.23	31.33	46.00	-14.67	Average
	4.0060	27.84	10.23	38.07	56.00	-17.93	QP
	4.4540	21.86	10.24	32.10	46.00	-13.90	Average
	4.4540	27.91	10.24	38.15	56.00	-17.85	QP
	4.6960	22.59	10.24	32.83	46.00	-13.17	Average
	4.6960	29.52	10.24	39.76	56.00	-16.24	QP
	5.0050	23.57	10.23	33.80	50.00	-16.20	Average
	5.0050	30.17	10.23	40.40	60.00	-19.60	QP
	15.8010	28.03	10.34	38.37	50.00	-11.63	Average
	15.8010	33.64	10.34	43.98	60.00	-16.02	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1

Date : 2021-09-02

Condition : CLASS-B QP

LISN : LINE

Tem / Hum : 22 °C / 60%

Test Mode : AV AUDIO MODE

EUT : 無線組合音響

Power Rating : 110V / 60Hz

Engineer : KEVN LEE

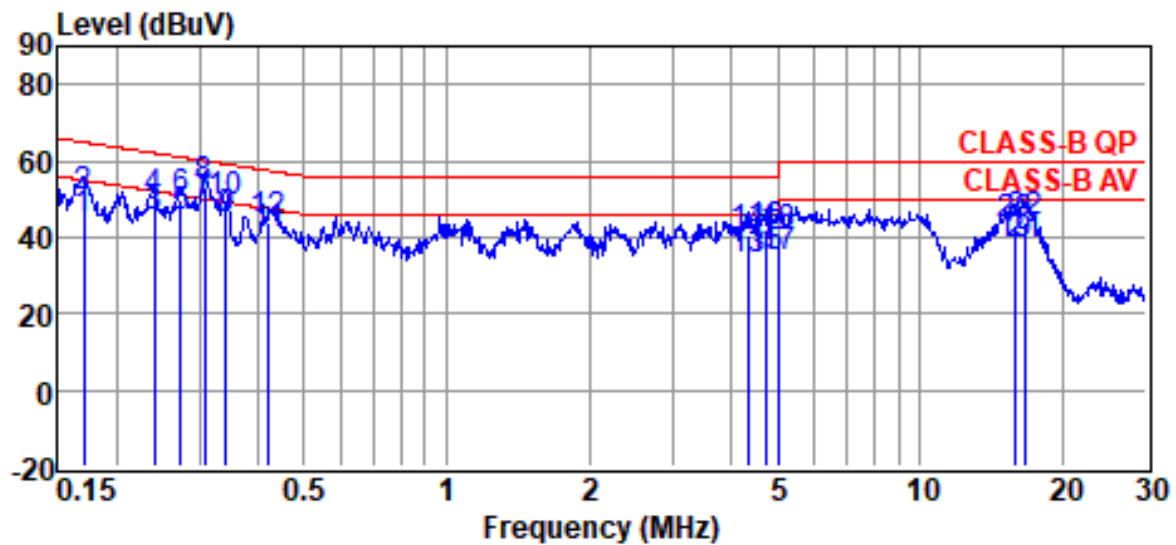
Model : LX CONNECT

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1516	37.84	10.09	47.93	55.91	-7.98	Average
	0.1516	50.58	10.09	60.67	65.91	-5.24	QP
	0.1540	34.65	10.09	44.74	55.78	-11.04	Average
	0.1540	52.69	10.09	62.78	65.78	-3.00	QP
	0.1599	28.07	10.09	38.16	55.47	-17.31	Average
	0.1599	46.43	10.09	56.52	65.47	-8.95	QP
	0.1659	32.64	10.09	42.73	55.16	-12.43	Average
	0.1659	42.82	10.09	52.91	65.16	-12.25	QP
	0.2139	26.47	10.08	36.55	53.05	-16.50	Average
	0.2139	35.96	10.08	46.04	63.05	-17.01	QP
	0.2208	33.81	10.08	43.89	52.79	-8.90	Average
	0.2208	40.86	10.08	50.94	62.79	-11.85	QP
	0.2244	34.72	10.08	44.80	52.66	-7.86	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2244	47.18	10.08	57.26	62.66	-5.40	QP
	0.2329	32.66	10.08	42.74	52.35	-9.61	Average
	0.2329	36.91	10.08	46.99	62.35	-15.36	QP
	0.2481	29.67	10.08	39.75	51.82	-12.07	Average
	0.2481	35.05	10.08	45.13	61.82	-16.69	QP
	0.2744	37.23	10.08	47.31	50.98	-3.67	Average
	0.2744	42.26	10.08	52.34	60.98	-8.64	QP
	0.2924	28.06	10.08	38.14	50.46	-12.32	Average
	0.2924	35.80	10.08	45.88	60.46	-14.58	QP
*	0.3083	38.09	10.07	48.16	50.02	-1.86	Average
	0.3083	42.23	10.07	52.30	60.02	-7.72	QP
	0.4397	30.48	10.08	40.56	47.07	-6.51	Average
	0.4397	33.74	10.08	43.82	57.07	-13.25	QP
	0.5823	24.87	10.09	34.96	46.00	-11.04	Average
	0.5823	29.95	10.09	40.04	56.00	-15.96	QP
	0.6140	24.05	10.09	34.14	46.00	-11.86	Average
	0.6140	28.55	10.09	38.64	56.00	-17.36	QP
	1.8580	21.62	10.16	31.78	46.00	-14.22	Average
	1.8580	27.09	10.16	37.25	56.00	-18.75	QP
	4.9260	23.59	10.23	33.82	46.00	-12.18	Average
	4.9260	29.55	10.23	39.78	56.00	-16.22	QP
	5.3620	24.27	10.23	34.50	50.00	-15.50	Average
	5.3620	30.47	10.23	40.70	60.00	-19.30	QP
	5.7130	23.66	10.23	33.89	50.00	-16.11	Average
	5.7130	29.94	10.23	40.17	60.00	-19.83	QP
	15.8010	29.82	10.34	40.16	50.00	-9.84	Average
	15.8010	35.49	10.34	45.83	60.00	-14.17	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

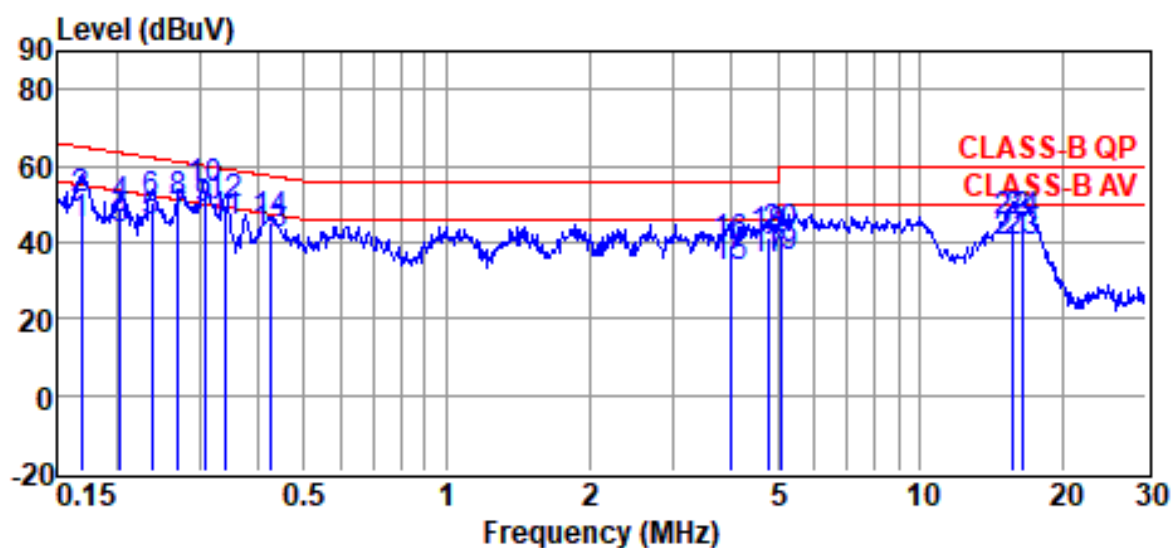
Date : 2021-09-02
 LISN : NEUTRAL
 Test Mode : AUX MODE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1712	34.28	10.09	44.37	54.90	-10.53	Average
	0.1712	40.71	10.09	50.80	64.90	-14.10	QP
	0.2404	35.09	10.08	45.17	52.08	-6.91	Average
	0.2404	40.05	10.08	50.13	62.08	-11.95	QP
	0.2744	35.05	10.08	45.13	50.98	-5.85	Average
	0.2744	39.84	10.08	49.92	60.98	-11.06	QP
*	0.3083	38.71	10.08	48.79	50.02	-1.23	Average
	0.3083	43.20	10.08	53.28	60.02	-6.74	QP
	0.3410	34.76	10.09	44.85	49.18	-4.33	Average
	0.3410	39.30	10.09	49.39	59.18	-9.79	QP
	0.4193	30.21	10.09	40.30	47.46	-7.16	Average
	0.4193	33.71	10.09	43.80	57.46	-13.66	QP
	4.3380	23.84	10.24	34.08	46.00	-11.92	Average
	4.3380	30.23	10.24	40.47	56.00	-15.53	QP
	4.7460	24.69	10.24	34.93	46.00	-11.07	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	4.7460	30.83	10.24	41.07	56.00	-14.93	QP
	5.0050	24.41	10.23	34.64	50.00	-15.36	Average
	5.0050	30.60	10.23	40.83	60.00	-19.17	QP
	15.8010	27.50	10.34	37.84	50.00	-12.16	Average
	15.8010	32.92	10.34	43.26	60.00	-16.74	QP
	16.7500	27.28	10.36	37.64	50.00	-12.36	Average
	16.7500	33.37	10.36	43.73	60.00	-16.27	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. " * " mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

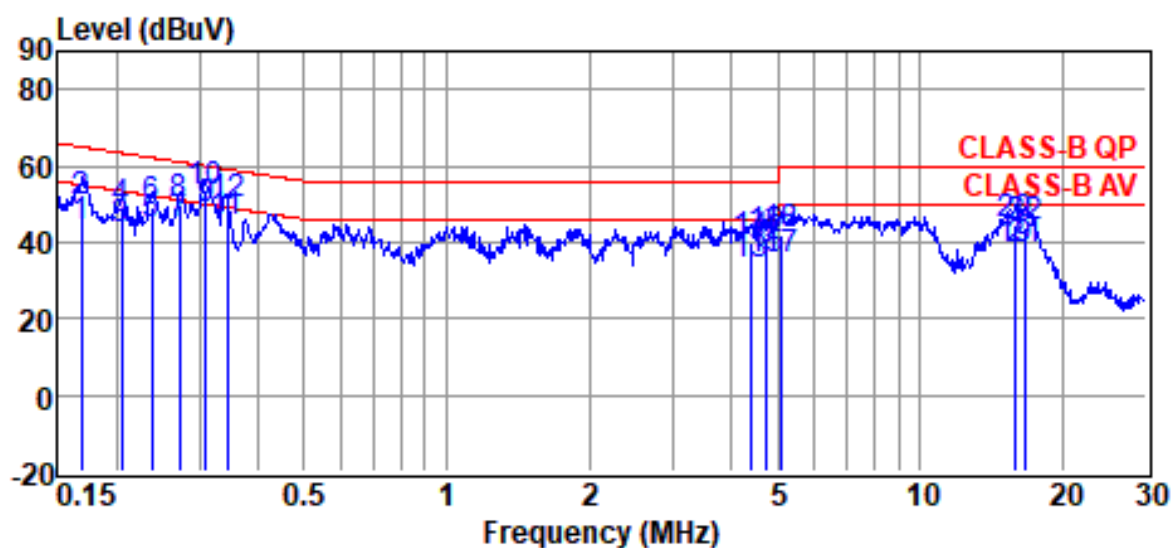
Date : 2021-09-02
 LISN : LINE
 Test Mode : AUX MODE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1685	34.34	10.09	44.43	55.03	-10.60	Average
	0.1685	40.99	10.09	51.08	65.03	-13.95	QP
	0.2040	33.46	10.08	43.54	53.45	-9.91	Average
	0.2040	38.77	10.08	48.85	63.45	-14.60	QP
	0.2378	35.42	10.08	45.50	52.17	-6.67	Average
	0.2378	40.33	10.08	50.41	62.17	-11.76	QP
	0.2715	35.23	10.08	45.31	51.07	-5.76	Average
	0.2715	40.09	10.08	50.17	61.07	-10.90	QP
*	0.3083	38.25	10.07	48.32	50.02	-1.70	Average
	0.3083	43.77	10.07	53.84	60.02	-6.18	QP
	0.3410	35.12	10.08	45.20	49.18	-3.98	Average
	0.3410	39.63	10.08	49.71	59.18	-9.47	QP
	0.4260	31.70	10.08	41.78	47.33	-5.55	Average
	0.4260	35.18	10.08	45.26	57.33	-12.07	QP
	3.9640	22.95	10.22	33.17	46.00	-12.83	Average
	3.9640	28.91	10.22	39.13	56.00	-16.87	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	4.7720	25.12	10.23	35.35	46.00	-10.65	Average
	4.7720	31.17	10.23	41.40	56.00	-14.60	QP
	5.0850	25.64	10.23	35.87	50.00	-14.13	Average
	5.0850	31.46	10.23	41.69	60.00	-18.31	QP
	15.7180	29.43	10.34	39.77	50.00	-10.23	Average
	15.7180	35.07	10.34	45.41	60.00	-14.59	QP
	16.4860	29.45	10.36	39.81	50.00	-10.19	Average
	16.4860	35.10	10.36	45.46	60.00	-14.54	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 Test Mode : BT & 5.8G MODE
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

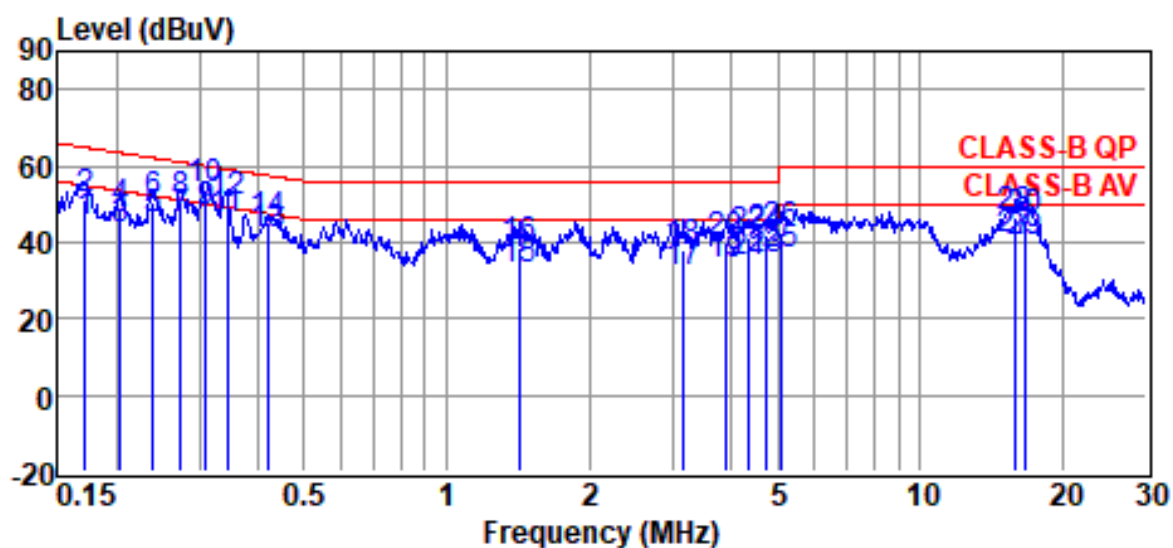
Date : 2021-09-02
 LISN : NEUTRAL
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1694	33.88	10.09	43.97	54.99	-11.02	Average
	0.1694	40.59	10.09	50.68	64.99	-14.31	QP
	0.2061	32.96	10.08	43.04	53.36	-10.32	Average
	0.2061	38.31	10.08	48.39	63.36	-14.97	QP
	0.2378	34.44	10.08	44.52	52.17	-7.65	Average
	0.2378	39.33	10.08	49.41	62.17	-12.76	QP
	0.2730	34.69	10.08	44.77	51.03	-6.26	Average
	0.2730	39.55	10.08	49.63	61.03	-11.40	QP
*	0.3100	38.63	10.08	48.71	49.97	-1.26	Average
	0.3100	43.09	10.08	53.17	59.97	-6.80	QP
	0.3428	35.06	10.09	45.15	49.13	-3.98	Average
	0.3428	39.63	10.09	49.72	59.13	-9.41	QP
	4.3840	23.56	10.24	33.80	46.00	-12.20	Average
	4.3840	29.62	10.24	39.86	56.00	-16.14	QP
	4.7460	24.90	10.24	35.14	46.00	-10.86	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	4.7460	31.27	10.24	41.51	56.00	-14.49	QP
	5.1120	25.32	10.23	35.55	50.00	-14.45	Average
	5.1120	31.61	10.23	41.84	60.00	-18.16	QP
	15.9700	27.80	10.35	38.15	50.00	-11.85	Average
	15.9700	34.17	10.35	44.52	60.00	-15.48	QP
	16.5730	27.29	10.36	37.65	50.00	-12.35	Average
	16.5730	33.32	10.36	43.68	60.00	-16.32	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 Test Mode : BT & 5.8G MODE
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

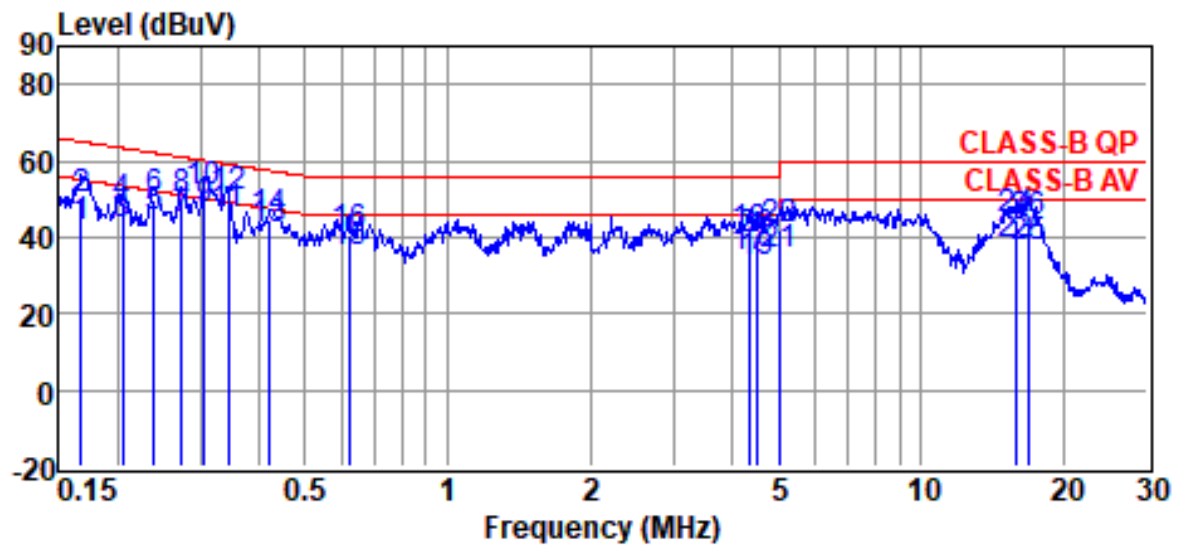
Date : 2021-09-02
 LISN : LINE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1722	34.91	10.09	45.00	54.86	-9.86	Average
	0.1722	41.05	10.09	51.14	64.86	-13.72	QP
	0.2040	33.31	10.08	43.39	53.45	-10.06	Average
	0.2040	38.69	10.08	48.77	63.45	-14.68	QP
	0.2391	35.82	10.08	45.90	52.13	-6.23	Average
	0.2391	40.71	10.08	50.79	62.13	-11.34	QP
	0.2744	35.81	10.08	45.89	50.98	-5.09	Average
	0.2744	40.50	10.08	50.58	60.98	-10.40	QP
*	0.3100	38.03	10.07	48.10	49.97	-1.87	Average
	0.3100	43.55	10.07	53.62	59.97	-6.35	QP
	0.3428	36.04	10.08	46.12	49.13	-3.01	Average
	0.3428	40.67	10.08	50.75	59.13	-8.38	QP
	0.4215	31.64	10.08	41.72	47.42	-5.70	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.4215	34.81	10.08	44.89	57.42	-12.53	QP
	1.4260	22.78	10.13	32.91	46.00	-13.09	Average
	1.4260	28.65	10.13	38.78	56.00	-17.22	QP
	3.1560	22.04	10.19	32.23	46.00	-13.77	Average
	3.1560	27.98	10.19	38.17	56.00	-17.83	QP
	3.9010	23.72	10.22	33.94	46.00	-12.06	Average
	3.9010	29.90	10.22	40.12	56.00	-15.88	QP
	4.3380	24.29	10.23	34.52	46.00	-11.48	Average
	4.3380	30.81	10.23	41.04	56.00	-14.96	QP
	4.7210	25.21	10.23	35.44	46.00	-10.56	Average
	4.7210	31.36	10.23	41.59	56.00	-14.41	QP
	5.1120	26.21	10.23	36.44	50.00	-13.56	Average
	5.1120	32.29	10.23	42.52	60.00	-17.48	QP
	15.9700	29.96	10.35	40.31	50.00	-9.69	Average
	15.9700	35.97	10.35	46.32	60.00	-13.68	QP
	16.5730	29.38	10.36	39.74	50.00	-10.26	Average
	16.5730	35.38	10.36	45.74	60.00	-14.26	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. " * " mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

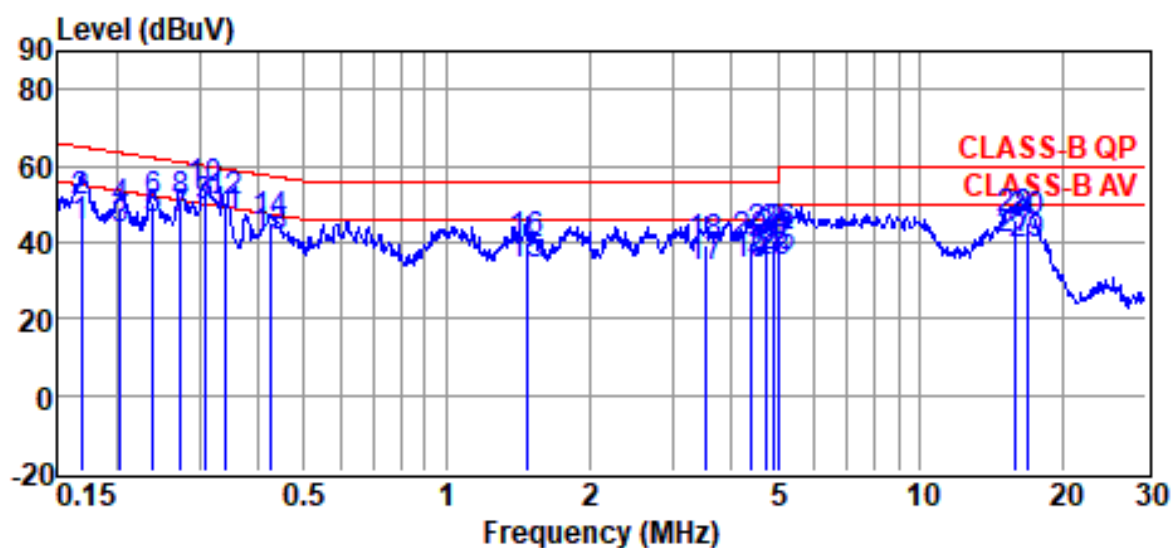
Date : 2021-09-02
 LISN : NEUTRAL
 Test Mode : USB MODE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1677	32.67	10.09	42.76	55.08	-12.32	Average
	0.1677	39.45	10.09	49.54	65.08	-15.54	QP
	0.2061	32.96	10.08	43.04	53.36	-10.32	Average
	0.2061	38.36	10.08	48.44	63.36	-14.92	QP
	0.2391	34.88	10.08	44.96	52.13	-7.17	Average
	0.2391	39.81	10.08	49.89	62.13	-12.24	QP
	0.2744	34.67	10.08	44.75	50.98	-6.23	Average
	0.2744	39.49	10.08	49.57	60.98	-11.41	QP
*	0.3067	37.29	10.08	47.37	50.06	-2.69	Average
	0.3067	41.92	10.08	52.00	60.06	-8.06	QP
	0.3428	35.80	10.09	45.89	49.13	-3.24	Average
	0.3428	40.44	10.09	50.53	59.13	-8.60	QP
	0.4215	31.70	10.09	41.79	47.42	-5.63	Average
	0.4215	34.76	10.09	44.85	57.42	-12.57	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.6173	25.71	10.10	35.81	46.00	-10.19	Average
	0.6173	30.75	10.10	40.85	56.00	-15.15	QP
	4.3150	24.26	10.24	34.50	46.00	-11.50	Average
	4.3150	30.67	10.24	40.91	56.00	-15.09	QP
	4.5010	22.94	10.24	33.18	46.00	-12.82	Average
	4.5010	28.97	10.24	39.21	56.00	-16.79	QP
	5.0310	25.28	10.23	35.51	50.00	-14.49	Average
	5.0310	31.71	10.23	41.94	60.00	-18.06	QP
	15.9700	27.70	10.35	38.05	50.00	-11.95	Average
	15.9700	33.92	10.35	44.27	60.00	-15.73	QP
	16.9280	27.24	10.37	37.61	50.00	-12.39	Average
	16.9280	33.64	10.37	44.01	60.00	-15.99	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

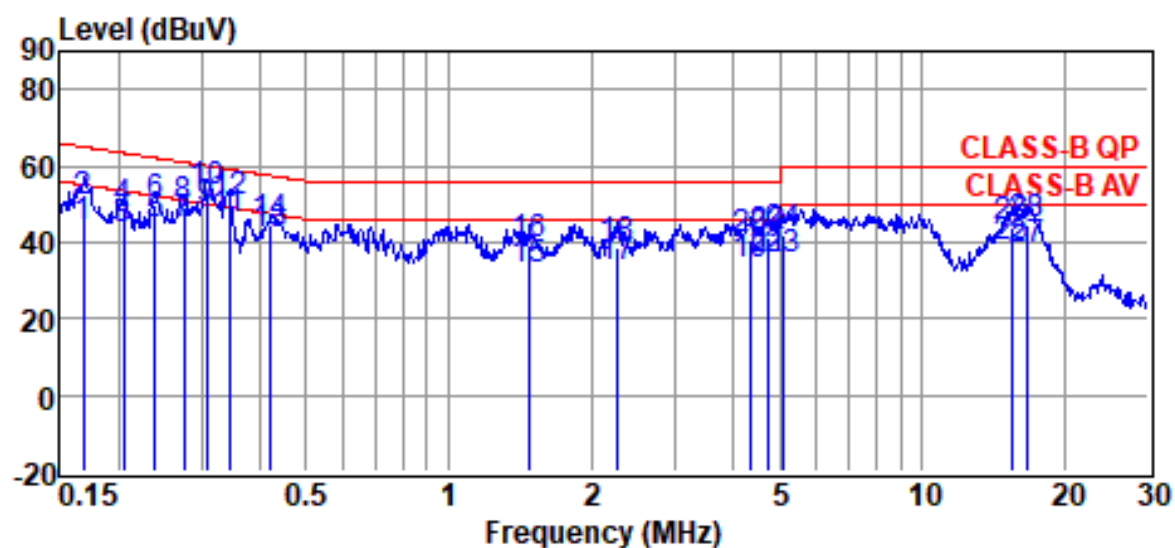
Date : 2021-09-02
 LISN : LINE
 Test Mode : USB MODE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1685	34.10	10.09	44.19	55.03	-10.84	Average
	0.1685	40.61	10.09	50.70	65.03	-14.33	QP
	0.2040	33.22	10.08	43.30	53.45	-10.15	Average
	0.2040	38.58	10.08	48.66	63.45	-14.79	QP
	0.2391	35.64	10.08	45.72	52.13	-6.41	Average
	0.2391	40.66	10.08	50.74	62.13	-11.39	QP
	0.2744	35.61	10.08	45.69	50.98	-5.29	Average
	0.2744	40.39	10.08	50.47	60.98	-10.51	QP
*	0.3083	38.83	10.07	48.90	50.02	-1.12	Average
	0.3083	43.45	10.07	53.52	60.02	-6.50	QP
	0.3410	36.19	10.08	46.27	49.18	-2.91	Average
	0.3410	40.73	10.08	50.81	59.18	-8.37	QP
	0.4260	31.15	10.08	41.23	47.33	-6.10	Average
	0.4260	34.83	10.08	44.91	57.33	-12.42	QP
	1.4800	23.86	10.13	33.99	46.00	-12.01	Average
	1.4800	30.00	10.13	40.13	56.00	-15.87	QP
	3.5280	23.28	10.21	33.49	46.00	-12.51	Average
	3.5280	29.35	10.21	39.56	56.00	-16.44	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	4.4070	23.68	10.23	33.91	46.00	-12.09	Average
	4.4070	29.84	10.23	40.07	56.00	-15.93	QP
	4.7460	24.92	10.23	35.15	46.00	-10.85	Average
	4.7460	31.36	10.23	41.59	56.00	-14.41	QP
	4.9000	24.30	10.23	34.53	46.00	-11.47	Average
	4.9000	30.47	10.23	40.70	56.00	-15.30	QP
	5.0310	25.65	10.23	35.88	50.00	-14.12	Average
	5.0310	31.88	10.23	42.11	60.00	-17.89	QP
	15.9700	30.04	10.35	40.39	50.00	-9.61	Average
	15.9700	35.59	10.35	45.94	60.00	-14.06	QP
	16.9280	29.00	10.37	39.37	50.00	-10.63	Average
	16.9280	34.84	10.37	45.21	60.00	-14.79	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

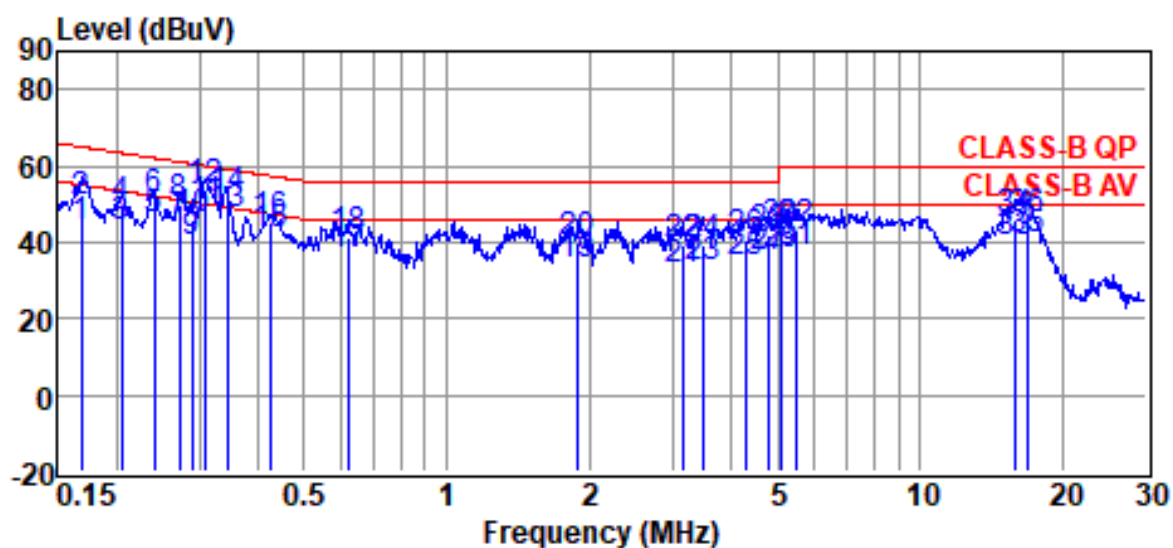
Date : 2021-09-02
 LISN : NEUTRAL
 Test Mode : OPT MODE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1694	33.74	10.09	43.83	54.99	-11.16	Average
	0.1694	40.51	10.09	50.60	64.99	-14.39	QP
	0.2061	32.98	10.08	43.06	53.36	-10.30	Average
	0.2061	38.38	10.08	48.46	63.36	-14.90	QP
	0.2391	34.80	10.08	44.88	52.13	-7.25	Average
	0.2391	39.84	10.08	49.92	62.13	-12.21	QP
	0.2759	34.43	10.08	44.51	50.94	-6.43	Average
	0.2759	39.21	10.08	49.29	60.94	-11.65	QP
*	0.3083	38.17	10.08	48.25	50.02	-1.77	Average
	0.3083	42.80	10.08	52.88	60.02	-7.14	QP
	0.3428	36.02	10.09	46.11	49.13	-3.02	Average
	0.3428	40.65	10.09	50.74	59.13	-8.39	QP
	0.4215	31.51	10.09	41.60	47.42	-5.82	Average
	0.4215	34.63	10.09	44.72	57.42	-12.70	QP
	1.4800	22.78	10.14	32.92	46.00	-13.08	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	1.4800	28.87	10.14	39.01	56.00	-16.99	QP
	2.2610	22.87	10.17	33.04	46.00	-12.96	Average
	2.2610	28.71	10.17	38.88	56.00	-17.12	QP
	4.3380	24.07	10.24	34.31	46.00	-11.69	Average
	4.3380	30.27	10.24	40.51	56.00	-15.49	QP
	4.7460	24.84	10.24	35.08	46.00	-10.92	Average
	4.7460	31.04	10.24	41.28	56.00	-14.72	QP
	5.0580	25.34	10.23	35.57	50.00	-14.43	Average
	5.0580	31.99	10.23	42.22	60.00	-17.78	QP
	15.5520	28.01	10.34	38.35	50.00	-11.65	Average
	15.5520	33.71	10.34	44.05	60.00	-15.95	QP
	16.7500	27.91	10.36	38.27	50.00	-11.73	Average
	16.7500	34.03	10.36	44.39	60.00	-15.61	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. " * " mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

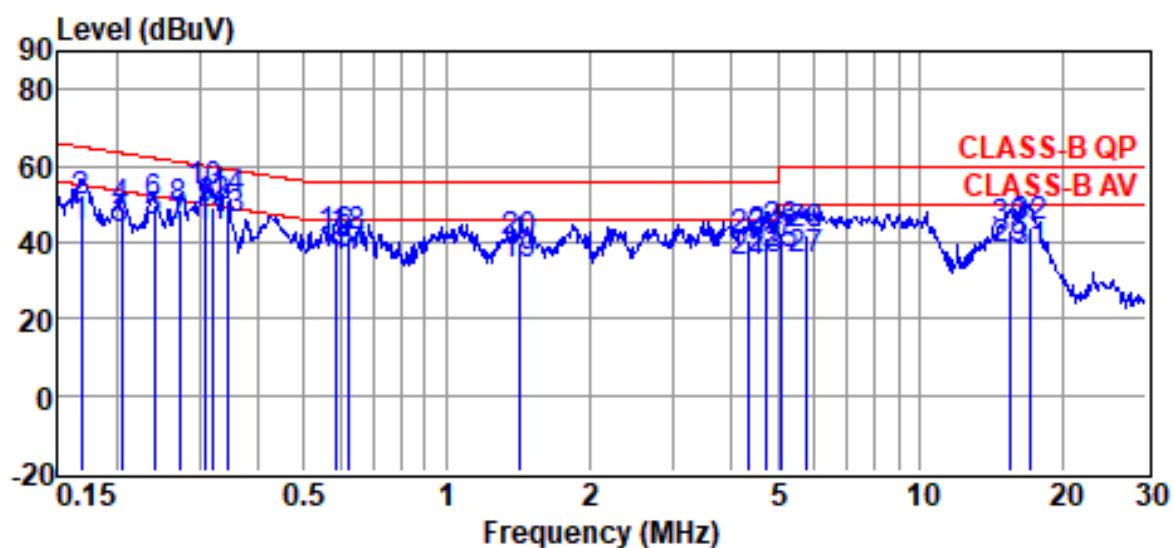
Date : 2021-09-02
 LISN : LINE
 Test Mode : OPT MODE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1685	34.03	10.09	44.12	55.03	-10.91	Average
	0.1685	40.55	10.09	50.64	65.03	-14.39	QP
	0.2051	33.58	10.08	43.66	53.40	-9.74	Average
	0.2051	39.07	10.08	49.15	63.40	-14.25	QP
	0.2404	35.91	10.08	45.99	52.08	-6.09	Average
	0.2404	40.84	10.08	50.92	62.08	-11.16	QP
	0.2730	34.92	10.08	45.00	51.03	-6.03	Average
	0.2730	39.81	10.08	49.89	61.03	-11.14	QP
	0.2894	29.61	10.08	39.69	50.54	-10.85	Average
	0.2894	35.98	10.08	46.06	60.54	-14.48	QP
*	0.3100	38.86	10.07	48.93	49.97	-1.04	Average
	0.3100	43.46	10.07	53.53	59.97	-6.44	QP
	0.3428	36.93	10.08	47.01	49.13	-2.12	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.3428	41.54	10.08	51.62	59.13	-7.51	QP
	0.4237	31.89	10.08	41.97	47.37	-5.40	Average
	0.4237	35.32	10.08	45.40	57.37	-11.97	QP
	0.6173	26.42	10.09	36.51	46.00	-9.49	Average
	0.6173	31.38	10.09	41.47	56.00	-14.53	QP
	1.8980	23.61	10.16	33.77	46.00	-12.23	Average
	1.8980	29.79	10.16	39.95	56.00	-16.05	QP
	3.1400	22.79	10.19	32.98	46.00	-13.02	Average
	3.1400	29.08	10.19	39.27	56.00	-16.73	QP
	3.4720	23.08	10.21	33.29	46.00	-12.71	Average
	3.4720	29.19	10.21	39.40	56.00	-16.60	QP
	4.2690	24.26	10.22	34.48	46.00	-11.52	Average
	4.2690	30.18	10.22	40.40	56.00	-15.60	QP
	4.7720	25.70	10.23	35.93	46.00	-10.07	Average
	4.7720	31.85	10.23	42.08	56.00	-13.92	QP
	5.0850	26.49	10.23	36.72	50.00	-13.28	Average
	5.0850	32.75	10.23	42.98	60.00	-17.02	QP
	5.4760	26.98	10.23	37.21	50.00	-12.79	Average
	5.4760	33.18	10.23	43.41	60.00	-16.59	QP
	15.9700	29.91	10.35	40.26	50.00	-9.74	Average
	15.9700	35.72	10.35	46.07	60.00	-13.93	QP
	16.8390	29.94	10.37	40.31	50.00	-9.69	Average
	16.8390	35.52	10.37	45.89	60.00	-14.11	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 Test Mode : COAX MODE
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

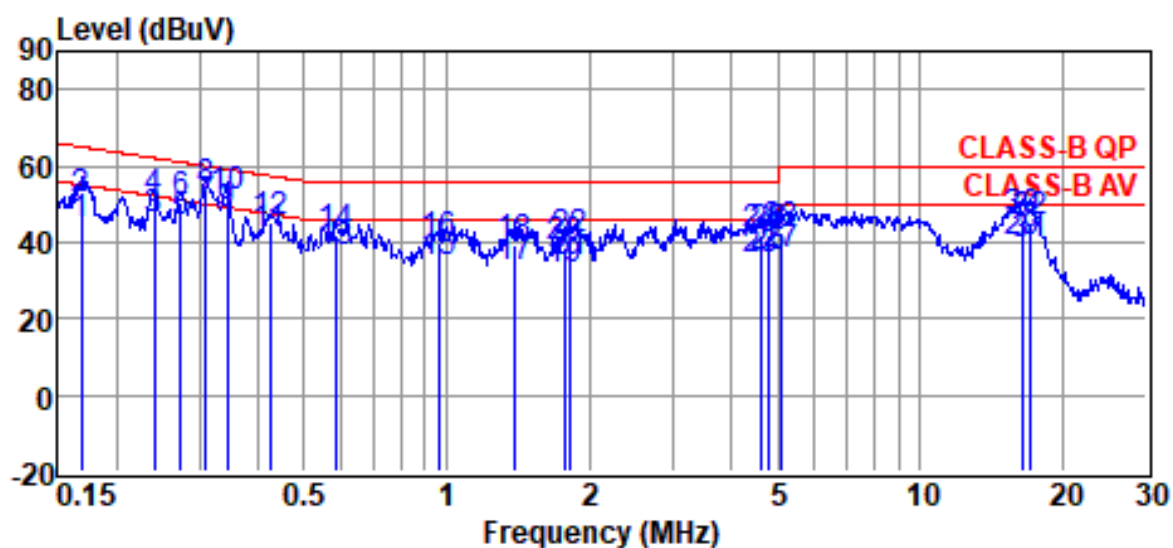
Date : 2021-09-02
 LISN : NEUTRAL
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1694	33.71	10.09	43.80	54.99	-11.19	Average
	0.1694	40.59	10.09	50.68	64.99	-14.31	QP
	0.2061	32.96	10.08	43.04	53.36	-10.32	Average
	0.2061	38.47	10.08	48.55	63.36	-14.81	QP
	0.2404	35.02	10.08	45.10	52.08	-6.98	Average
	0.2404	39.98	10.08	50.06	62.08	-12.02	QP
	0.2730	34.10	10.08	44.18	51.03	-6.85	Average
	0.2730	38.75	10.08	48.83	61.03	-12.20	QP
*	0.3100	38.20	10.08	48.28	49.97	-1.69	Average
	0.3100	42.92	10.08	53.00	59.97	-6.97	QP
	0.3200	34.08	10.09	44.17	49.71	-5.54	Average
	0.3200	39.02	10.09	49.11	59.71	-10.60	QP
	0.3446	36.04	10.09	46.13	49.09	-2.96	Average
	0.3446	40.79	10.09	50.88	59.09	-8.21	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.5854	26.48	10.10	36.58	46.00	-9.42	Average
	0.5854	31.47	10.10	41.57	56.00	-14.43	QP
	0.6173	26.12	10.10	36.22	46.00	-9.78	Average
	0.6173	31.09	10.10	41.19	56.00	-14.81	QP
	1.4330	23.86	10.14	34.00	46.00	-12.00	Average
	1.4330	29.68	10.14	39.82	56.00	-16.18	QP
	4.3610	24.18	10.24	34.42	46.00	-11.58	Average
	4.3610	30.31	10.24	40.55	56.00	-15.45	QP
	4.7210	25.20	10.24	35.44	46.00	-10.56	Average
	4.7210	31.31	10.24	41.55	56.00	-14.45	QP
	5.0850	26.20	10.23	36.43	50.00	-13.57	Average
	5.0850	32.66	10.23	42.89	60.00	-17.11	QP
	5.7440	25.26	10.24	35.50	50.00	-14.50	Average
	5.7440	31.35	10.24	41.59	60.00	-18.41	QP
	15.5520	27.34	10.34	37.68	50.00	-12.32	Average
	15.5520	33.21	10.34	43.55	60.00	-16.45	QP
	17.0180	27.16	10.37	37.53	50.00	-12.47	Average
	17.0180	33.74	10.37	44.11	60.00	-15.89	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. ” * ” mean this data is the worst emission level



Site : conducted #1
 Condition : CLASS-B QP
 Tem / Hum : 22 °C / 60%
 Test Mode : COAX MODE
 EUT : 無線組合音響
 Engineer : KEVIN LEE
 Model : LX CONNECT

Date : 2021-09-02
 LISN : LINE
 Power Rating : 110V / 60Hz

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1694	34.52	10.09	44.61	54.99	-10.38	Average
	0.1694	40.97	10.09	51.06	64.99	-13.93	QP
	0.2404	35.84	10.08	45.92	52.08	-6.16	Average
	0.2404	40.81	10.08	50.89	62.08	-11.19	QP
	0.2744	35.32	10.08	45.40	50.98	-5.58	Average
	0.2744	40.07	10.08	50.15	60.98	-10.83	QP
*	0.3100	38.78	10.07	48.85	49.97	-1.12	Average
	0.3100	43.44	10.07	53.51	59.97	-6.46	QP
	0.3428	37.02	10.08	47.10	49.13	-2.03	Average
	0.3428	41.67	10.08	51.75	59.13	-7.38	QP
	0.4237	31.73	10.08	41.81	47.37	-5.56	Average
	0.4237	35.24	10.08	45.32	57.37	-12.05	QP
	0.5823	26.89	10.09	36.98	46.00	-9.02	Average
	0.5823	31.82	10.09	41.91	56.00	-14.09	QP
	0.9684	24.25	10.11	34.36	46.00	-11.64	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.9684	29.81	10.11	39.92	56.00	-16.08	QP
	1.3960	23.44	10.13	33.57	46.00	-12.43	Average
	1.3960	29.29	10.13	39.42	56.00	-16.58	QP
	1.7720	22.35	10.15	32.50	46.00	-13.50	Average
	1.7720	28.27	10.15	38.42	56.00	-17.58	QP
	1.8290	24.28	10.15	34.43	46.00	-11.57	Average
	1.8290	30.33	10.15	40.48	56.00	-15.52	QP
	4.6220	25.30	10.23	35.53	46.00	-10.47	Average
	4.6220	31.38	10.23	41.61	56.00	-14.39	QP
	4.7720	25.77	10.23	36.00	46.00	-10.00	Average
	4.7720	31.71	10.23	41.94	56.00	-14.06	QP
	5.1120	26.46	10.23	36.69	50.00	-13.31	Average
	5.1120	32.56	10.23	42.79	60.00	-17.21	QP
	16.3980	29.90	10.36	40.26	50.00	-9.74	Average
	16.3980	35.26	10.36	45.62	60.00	-14.38	QP
	17.0180	28.86	10.37	39.23	50.00	-10.77	Average
	17.0180	34.90	10.37	45.27	60.00	-14.73	QP

Note :

1. Result = Reading + Factor
2. Factor = LISN Factor + Cable Loss+ Pulse Limiter Factor
3. " * " mean this data is the worst emission level

5.5 干擾值之計算

電源傳導干擾電壓之計算公式如下

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

其中校正因子為：

饋線損失 + 電源阻抗模擬網路損失

5.6 傳導干擾之量測儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
EMI Test Receiver	Rohde & Schwarz	ESCI (13054412-003)	2020/10/14	2021/10/13
LISN	Schwarzbeck	NSLK 8127 PLC (13057743-001)	2020/12/22	2021/12/21
LISN	Shibasoku	563 (13044902-001)	2020/11/10	2021/11/9
PLUSE LIMITER (10dB)	Schwarzbeck	VTSD 9561 F-N (13056701-003)	2021/04/29	2022/04/28

5.7 傳導量測之配置照片



6 天線之要求

6.1 適用標準

依據低功率射頻器材技術規範3.2節之規定，低功率射頻器材之發射機或收發信機所使用之天線，除本規範章節中另有規定外，應為全固定、半固定式或以獨特之耦合(unique coupling)方式連接機體。製造者可設計供使用者因損壞而替換之天線，但不得設計或使用原認證以外之天線或可供引接各類電纜之標準天線插座或電氣連接頭，如：BNC、F type、N type、M type、UG type、RCA、SMA、SMB...等及其他各類工業或通訊標準接頭。

6.2 天線增益

此裝置使用固定式PCB天線，其天線增益未超過6dBi之規定值，不需降低峰值發射功率以及峰值功率頻譜密度。

7 開放頻帶邊緣之量測

7.1 適用標準

4.10.2.4 除諧波外，指定頻帶外之發射應比主波低50 dB以上或依3.6 之發射限制，兩者取其較鬆者。

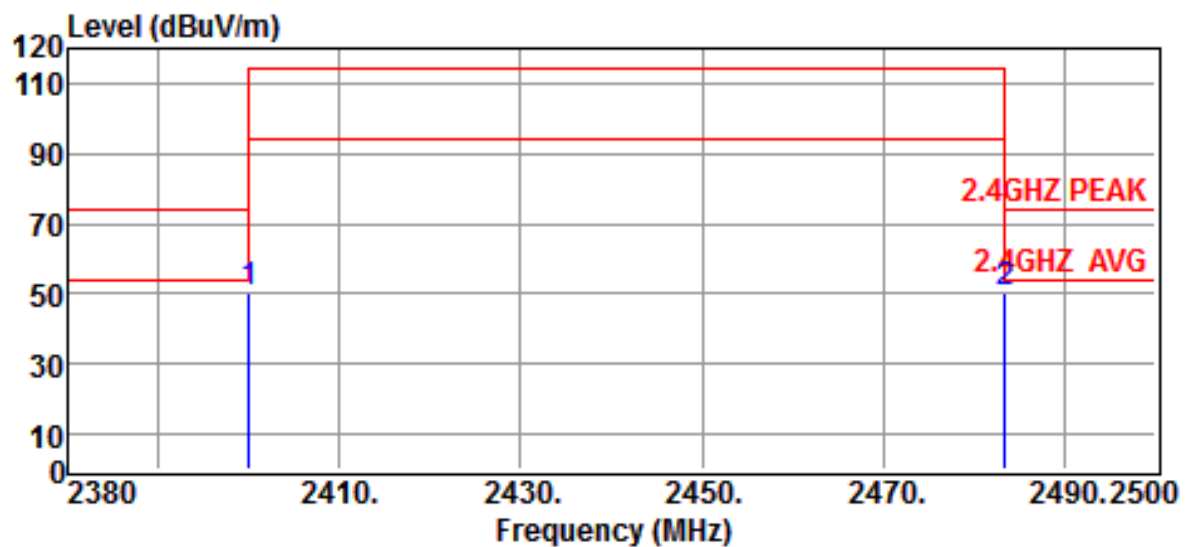
7.2 開放頻帶邊緣之測試配置

如圖2所示。

7.3 量測開放頻帶邊緣之儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
EMI Test Receiver	Rohde & Schwarz	ESU40 (13054416-001)	2021/03/25	2022/03/24
Horn Antenna	EMCO	3115 (43057302-001)	2021/03/16	2022/03/15
Amplifier	HP	8449B (13052901-001)	2020/10/06	2021/10/05

7.4 開放頻帶邊緣之量測結果



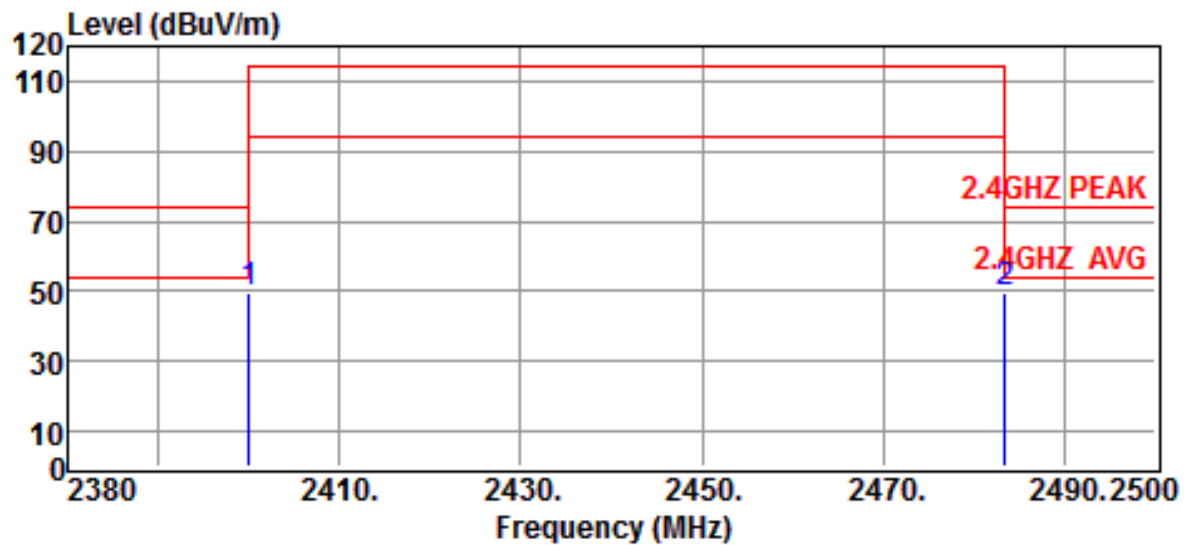
Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

CH LO & HI - BANDEDGE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2400.0000	50.27	-0.17	50.10	74.00	-23.90	Peak
*	2483.5000	50.58	-0.08	50.50	74.00	-23.50	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



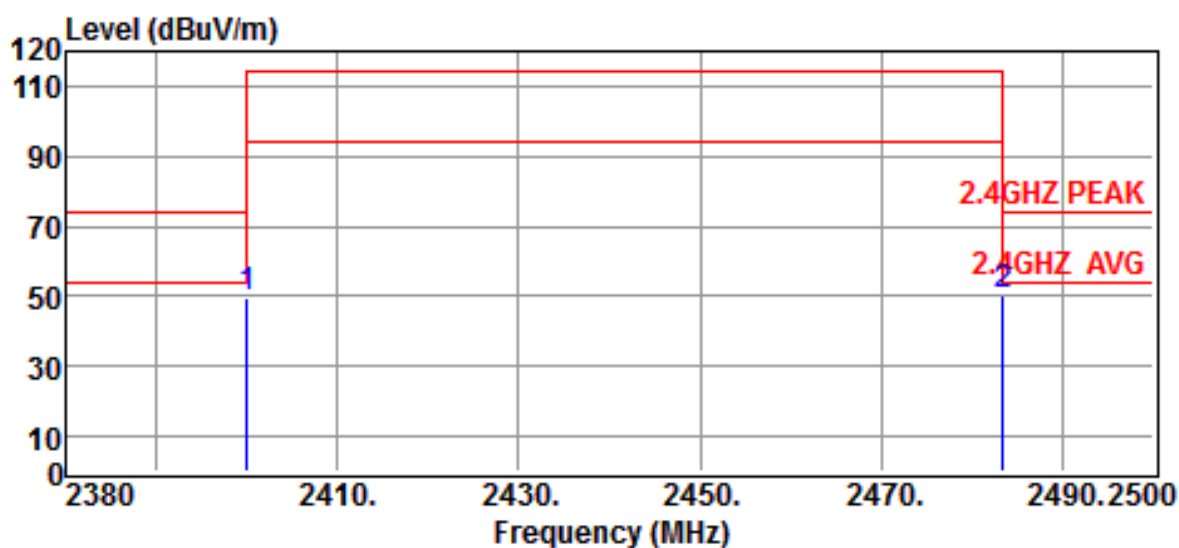
Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:BR		

CH LO & HI - BANDEDGE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	2400.0000	49.97	-0.17	49.80	74.00	-24.20	Peak
	2483.5000	49.58	-0.08	49.50	74.00	-24.50	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



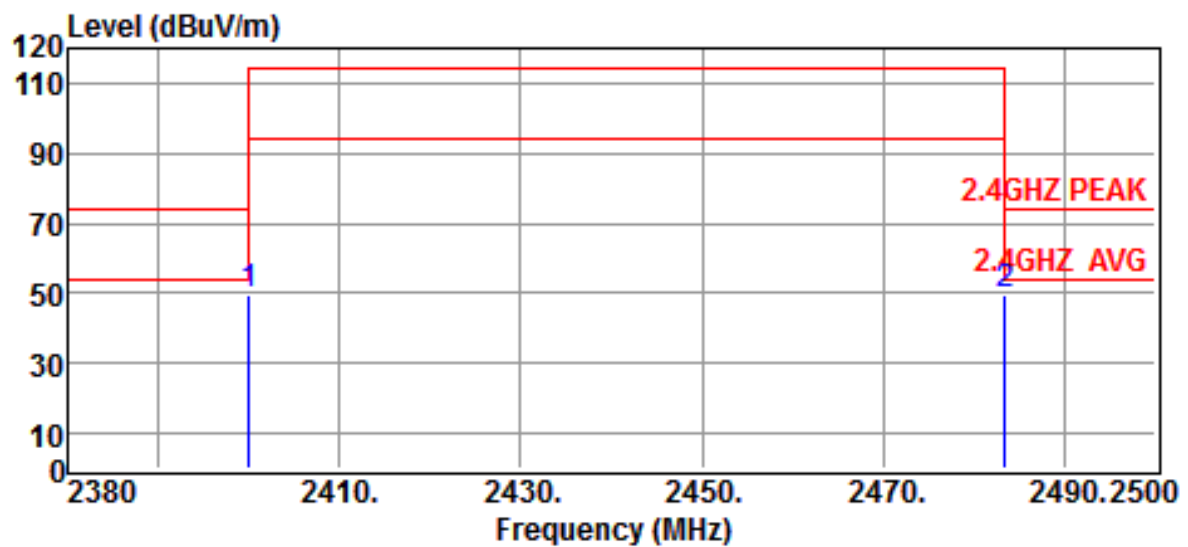
Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

CH LO & HI - BANDEDGE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2400.0000	50.07	-0.17	49.90	74.00	-24.10	Peak
*	2483.5000	50.18	-0.08	50.10	74.00	-23.90	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.



Site	:Chamber #2	Date	:2021-08-18
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:無線組合音響	Model	:LX CONNECT
Power Rating	:110V / 60Hz	Temp.	:24 °C
Engineer	:KEVIN LEE	Humi.	:58 %
Test Mode	:EDR		

CH LO & HI - BANDEDGE

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2400.0000	49.57	-0.17	49.40	74.00	-24.60	Peak
*	2483.5000	49.88	-0.08	49.80	74.00	-24.20	Peak

Note :

1. Result = Reading + Correction Factor
2. Average Result = Peak Result + Duty Factor ()
3. Correction Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.
6. " * " mean this data is the worst emission level.