低功率射頻器材測試報告

申請廠商　：台灣飛利浦股份有限公司
地址　　：台北市南港區園區街3之1號14樓
器材名稱　：飛利浦頂級尊榮AI智能音波震動牙刷
廠牌　　：PHILIPS
型號　　：HX9996/11, HX9996/12, HX9996/13

財團法人台灣商品檢測驗證中心電磁相容試驗二部
新北市林口區頂福里5鄰34號
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報告號碼: 21-02-RBF-016-01

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低功率射頻器材測試報告

受理日期	：110 年 02 月 25 日
完成日期	：110 年 03 月 24 日
報告號碼	：21-02-RBF-016-01
實驗室名稱	：財團法人台灣商品檢測驗證中心電磁相容試驗二部
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)
實驗室認可證書有效期限	：110 年 10 月 08 日
申請廠商	：台灣飛利浦股份有限公司
申請廠商地址	：台北市南港區園區街 3 之 1 號 14 樓
製造廠商	：Philips Consumer Lifestyle B.V.
器材名稱	：飛利浦頂級尊榮 AI 智能音波震動牙刷
廠牌	：PHILIPS
型號	：HX9996/11, HX9996/12, HX9996/13
發射功率(電場強度)	：BLE 4.0：79.93 dBμV/m @3m Peak(電場強度) BLE 5.0：83.14 dBμV/m @3m Peak(電場強度)
工作頻率及調變方式	：2402 – 2480 MHz；40CH ; GFSK
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 ：飛利浦頂級尊榮 AI 智能音波震動牙刷

b) 廠　　牌 ：PHILIPS

c) 產品型號 ：HX9996/11, HX9996/12, HX9996/13

d) 供應電源 ：1. Adapter：

型號：WAA1001 (搭配 HX9996/11 及 HX9996/13)	輸入：100-240 Vac,50/60 Hz,0.2 A 輸出：5 Vdc,500 mA
型號：WAA2001 (搭配 HX9996/12)	輸入：100-240Vac,50/60Hz,3.5 W 輸出：5 Vdc,2.5 W
型號：HX9200 (搭配 HX9996/11 及 HX9996/12 及 HX9996/13)	輸入：100-240 Vac,50/6 0Hz,0.1 A 輸出：5 Vdc,0.5 A

2. Battery：3.8 Vdc , 750 mAh , 2.85 Wh

1.2 產品特性

此裝置飛利浦頂級尊榮AI智能音波震動牙刷，為Bluetooth (BLE)設備，使用頻率範圍為2402 – 2480 MHz，採用GFSK調變技術。

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

(一)申請機種型號：HX9996/11, HX9996/12, HX9996/13

(二)機種差異描述：

機種名稱 / 評估項目	主型號 HX9996/11	系 1 HX9996/12	系 2 HX9996/13
電路設計、印刷電路板	O	O	O
天線規格、射頻模組	O	O	O
使用元件、線材、材料	O	O	O
使用元件位置、走線、結構	O	O	O
廠牌、型號	O	X	X
顏色 / USB C Cable	香檳色/白	藍色/黑	粉紅色/白
配件：電源供應器(型號)	WAA1001&HX9200	WAA2001&HX9200	WAA1001&HX9200
配件： 充電座(型號)	CBB1001	CBB2001 (僅與 CBB1001 差異外觀顏色及型號不同，電路設計、線路等皆相同)	CBB1001
配件： 充電盒(型號)	TCC1001	TCC2001 (僅與 TCC1001 差異外觀顏色及型號不同，電路設計、線路等皆相同)	TCC3001 (僅與 TCC1001 差異外觀顏色及型號不同，電路設計、線路等皆相同)
其他說明	系列 1 與主型號僅差異外觀顏色、型號不同及所搭配的配件：電源供應器、充電座、充電盒及型號等不同，其餘無線射頻器材及電路設計、線路等皆相同。 系列 2 與主型號僅差異外觀顏色、型號不同及所搭配的配件：電源供應器、充電座、充電盒及型號等不同，其餘無線射頻器材及電路設計、線路等皆相同。		
註：(1)完全相同請標示〝○〞。 (2)未完全相同請標示〝×〞，並於其他說明欄說明差異處。			

（三）系列判定說明：

詳如機種差異描所示：本產品系列型號產品(廠牌: PHILIPS，型號: HX9996/12、HX9996/13)的技術規格及射頻性能與主型號產品，廠牌: PHILIPS，型號: HX9996/11)其技術規格及射頻性能皆相同，僅外觀顏色、型號不同。

但所搭配的配件：電源供應器(Adapter)、充電座、充電盒的外觀顏色、型號各有不同，故系列型號 HX9996/12 場強輻射的不必要之發射(雜波)及電源線傳導干擾等項目需再執行測試。另系列型號 HX9996/13 其技術規格及射頻性能及所搭配的配件與主型號產品 HX9996/11 皆相同，僅外觀顏色、型號不同，故判定不須再執行測試。

（四）判定測試方式：

（1）主型號測試機種：HX9996/11

（2）系列型號測試機種：HX9996/12

（3）系列型號免測試機種：HX9996/13

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(dBμV)	
	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 (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2.8 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 dBμV/m**	**限制值 μV/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	±3.34dB (Mains)(LISN)
Radiated emissions	9kHz ~ 30MHz	±4.22dB
Radiated emissions	30MHz ~ 1GHz	±4.2dB (30MHz≦f≦300MHz)
		±4.44dB (300MHz＜f≦1GHz)
	Above 1GHz	±4.44dB (1GHz≦f≦18GHz)
		±3.02dB (18GHz≦f≦40GHz)

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，

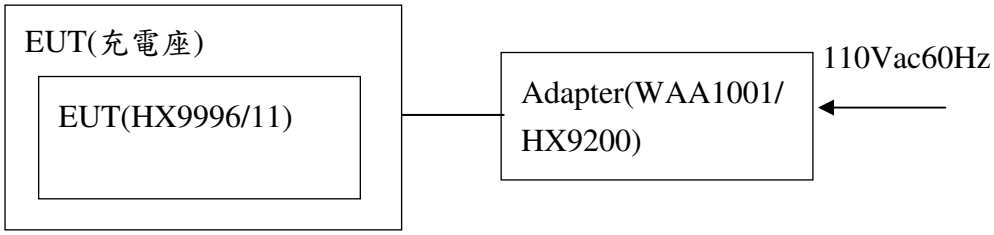
測試結果將依據測試方法或標準直接給出決定規則，量測不準確度不列入考慮。

3 受測裝置之系統說明

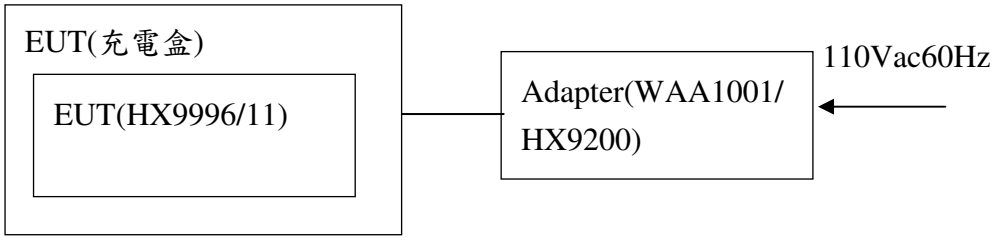
3.1測試接續圖(一般正常使用)

飛利浦頂級尊榮 AI 智能音波震動牙刷 HX9996/11

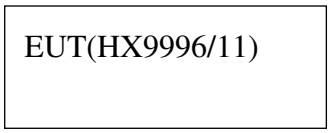
Mode 1 : Charge Stand



Mode 2 : Charge Box

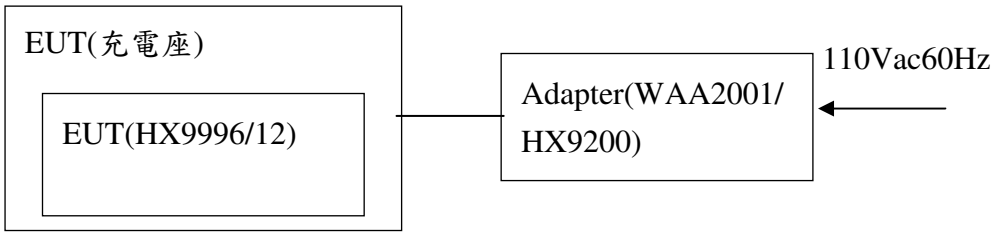


Mode 3 : Operation

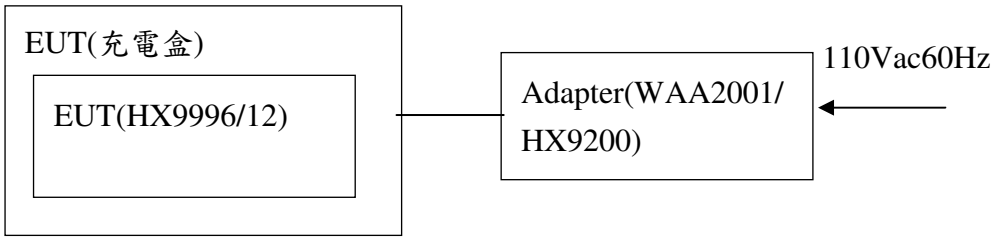


飛利浦頂級尊榮 AI 智能音波震動牙刷 HX9996/12

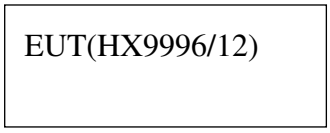
Mode 1 : Charge Stand



Mode 2 : Charge Box



Mode 3 : Operation



3.1.1 待測物之主要配備

裝置名稱	廠牌/製造商	型號/料號	纜線說明/規格
*飛利浦頂級尊榮 AI 智能音波震動牙刷	PHILIPS(廠牌)	HX9996/11(型號)	---
		HX9996/12(型號)	
		HX9996/13(型號)	
Adapter	PHILIPS (廠牌)	WAA1001(搭配 HX9996/11 及 HX9996/13)	輸入：100-240Vac 50/60Hz 0.2A 輸出：5Vdc 500mA
		WAA2001(搭配 HX9996/12)	輸入：100-240Vac 50/60Hz 3.5W 輸出：5Vdc 2.5W(500mA)
		HX9200(搭配 HX9996/11 及 HX9996/12 及 HX9996/13)	輸入：100-240Vac 50/60Hz 0.1A 輸出：5Vdc 0.5A
飛利浦無線充電座	PHILIPS	CBB1001(搭配 HX9996/11 及 HX9996/13)	額定規格：4.75-5.25Vdc 1.5W
		CBB2001(搭配 HX9996/12)	額定規格：4.75-5.25Vdc 1.5W
飛利浦無線充電旅行盒	PHILIPS	TCC1001(搭配 HX9996/11)	---
		TCC2001(搭配 HX9996/12)	
		TCC3001(搭配 HX9996/13)	
White USB C Cable (白色)	Salom Electric (Xiamen) Co, Ltd. (製造商)	300005123691 (搭配 HX9996/11 及 HX9996/13)	30cm
Black USB C Cable （黑色）	Salom Electric (Xiamen) Co, Ltd. (製造商)	300005123681 (搭配 HX9996/12)	30cm
刷頭	PHILIPS	HX9996	--

*表示待測物

3.1.2.外接週邊設備

裝置名稱	廠牌/供應商/製造者	型號/料號	纜線說明/規格
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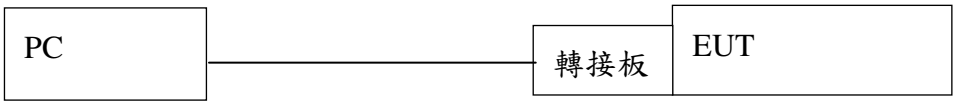
3.2測試接續圖(測試模式使用)



3.2.1.測試治具、測試軟體名稱、測試軟體版本

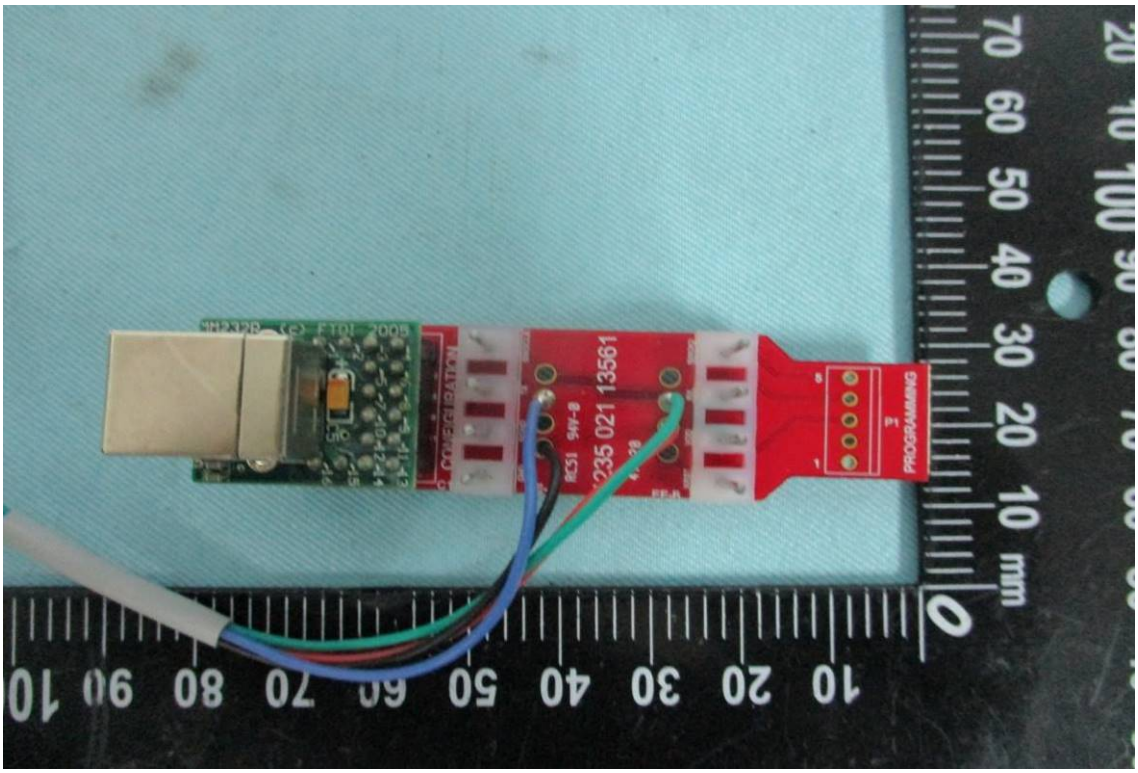
裝置名稱	廠牌/供應商/製造者	型號/料號	纜線說明/規格
轉接板	FTDI Future Technology Devices International Ltd.	MM232R	---
測試治具線材	ETC(供應商)	---	1.5m 非屏蔽線材
PC	ETC(供應商)	ACER TMP257-M-58VU-001(型號)	---

測試軟體名稱	CmdGui
測試軟體版本	Command GUI V1.0

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 4.0 BLE：1Mbps	2402MHz~2480MHz	Low - 2402MHz: A5 0A 0B 00 00 01 00 00 FF 4E Mid - 2440MHz: A5 0A 0B 00 00 01 13 00 FF 61 High -2480MHz: A5 0A 0B 00 00 01 27 00 FF 75
Bluetooth 5.0 BLE：2Mbps	2402MHz~2480MHz	Low - 2402MHz: A5 0A 0B 00 00 01 00 00 FF 4E Mid - 2440MHz: A5 0A 0B 00 00 01 13 00 FF 61 High -2480MHz: A5 0A 0B 00 00 01 27 00 FF 75

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

電場測試

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米外相同高度或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)	2020/04/09	2021/04/08
Bi-Log Antenna	ETC & JYE BAO	MCTD 2786 & FAT-NM5NF5T3G2W6(13057618-002 & RF-002)	2020/07/31	2021/07/30
Amplifier	HP	8447D (13054402-001)	2020/06/15	2021/06/14
Horn Antenna	EMCO	3116 (13058801-001)	2020/08/19	2021/08/18
Horn Antenna	EMCO	3115 (43057302-001)	2020/10/16	2021/10/15
Amplifier	HP	8449B (13052901-001)	2020/10/06	2021/10/05
Amplifier	Keysight	83051A (13052926-001 & 13032683-001)	2020/08/27	2021/08/26

4.4 場強度之計算

場強之計算公式如下

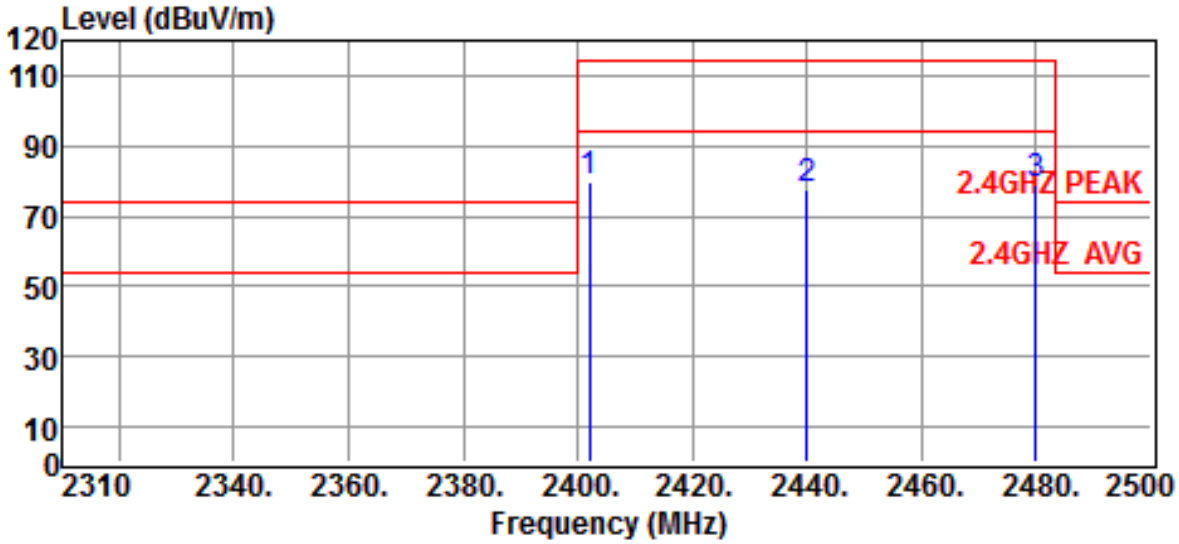
結果值 = 讀值 + 校正因子+週期因子

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）

4.5 場強輻射之量測結果

4.5.1 發射主波

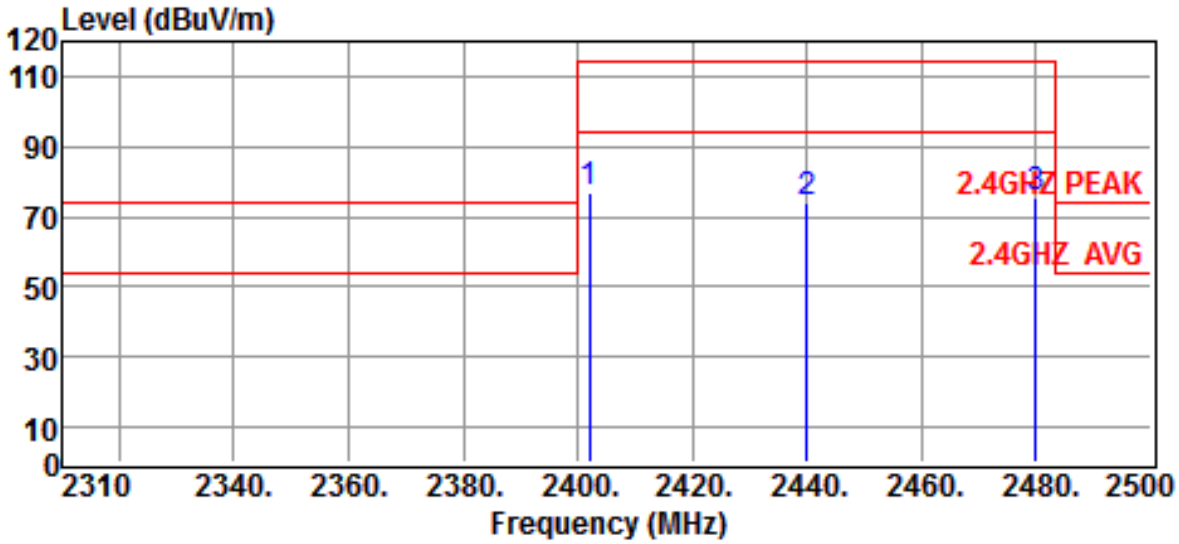


Site	:Chamber #2	Date	:2021-03-15
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BLE4.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	2402.0000	84.10	-4.17	79.93	114.00	-34.07	Peak
	2440.0000	81.49	-4.03	77.46	114.00	-36.54	Peak
	2480.0000	82.66	-3.83	78.83	114.00	-35.17	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.

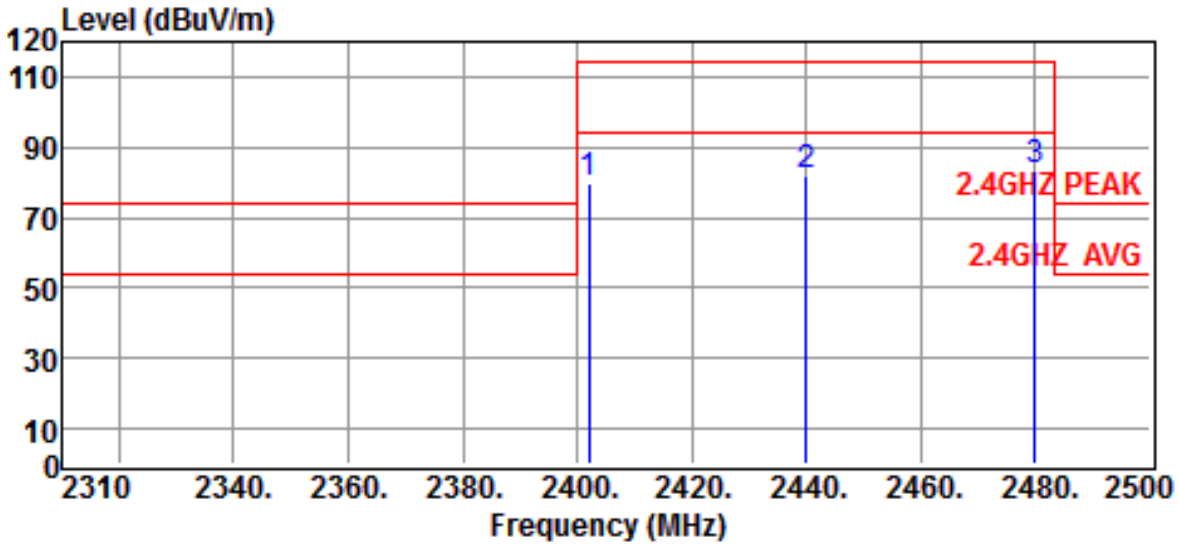


Site	:Chamber #2	Date	:2021-03-15
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BLE4.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	2402.0000	80.97	-4.17	76.80	114.00	-37.20	Peak
	2440.0000	78.37	-4.03	74.34	114.00	-39.66	Peak
	2480.0000	79.33	-3.83	75.50	114.00	-38.50	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.

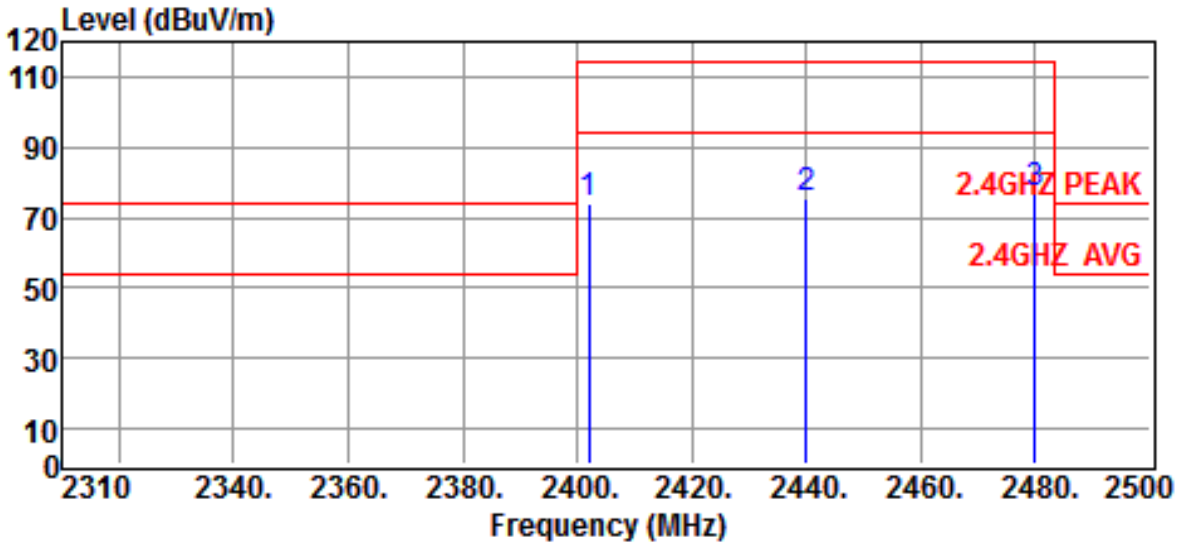


Site	:Chamber #2	Date	:2021-03-15
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BLE5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2402.0000	84.22	-4.17	80.05	114.00	-33.95	Peak
	2440.0000	86.18	-4.03	82.15	114.00	-31.85	Peak
*	2480.0000	86.97	-3.83	83.14	114.00	-30.86	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.



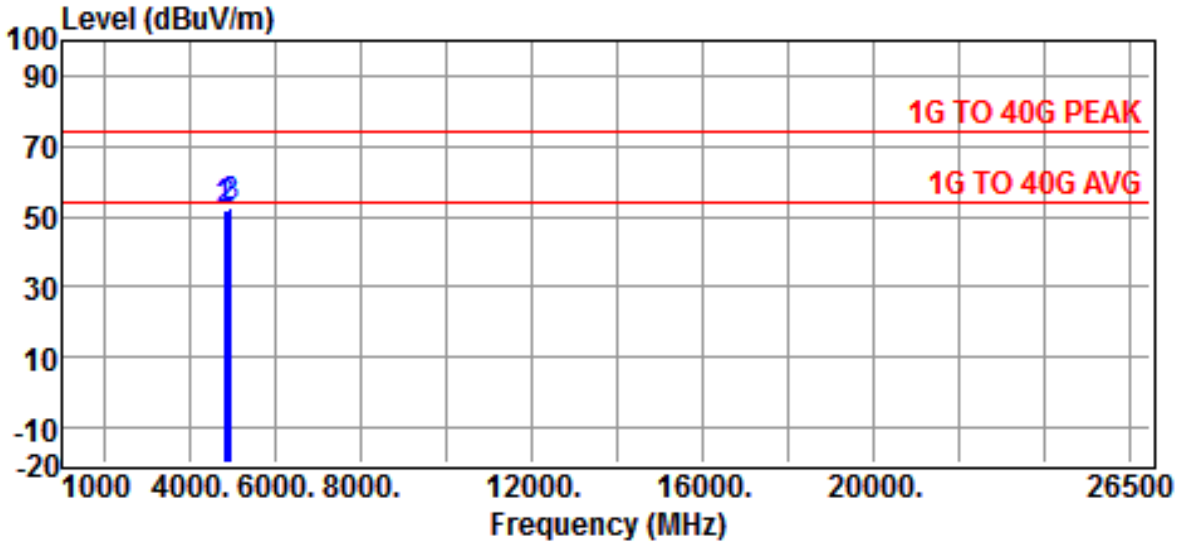
Site	:Chamber #2	Date	:2021-03-15
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BLE5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2402.0000	78.42	-4.17	74.25	114.00	-39.75	Peak
	2440.0000	79.56	-4.03	75.53	114.00	-38.47	Peak
*	2480.0000	80.38	-3.83	76.55	114.00	-37.45	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

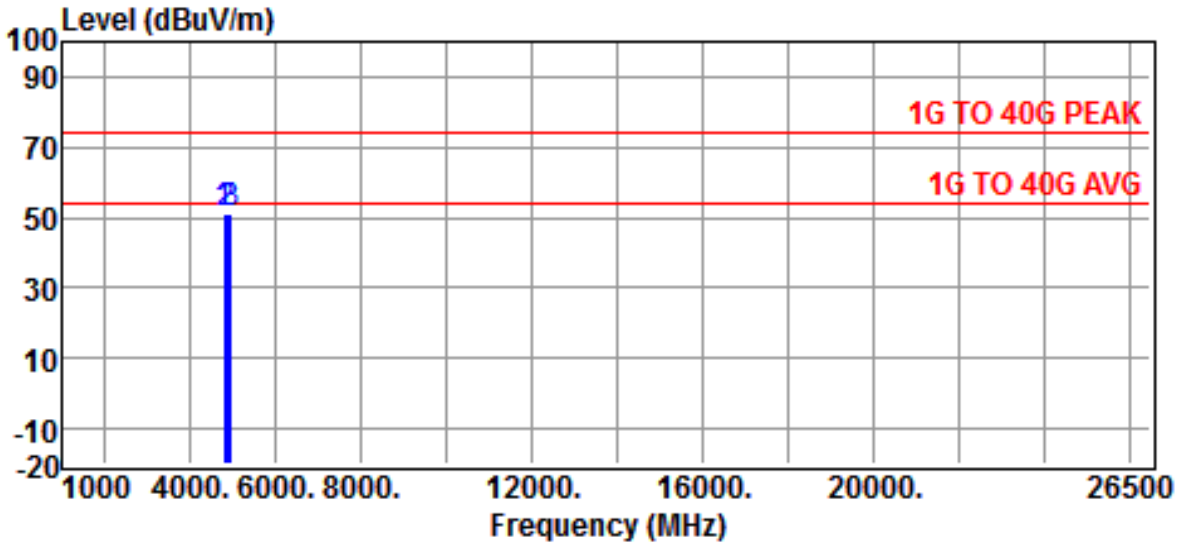


Site	:Chamber #2	Date	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT4.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	48.62	3.27	51.89	74.00	-22.11	Peak
	4880.0000	48.52	3.48	52.00	74.00	-22.00	Peak
*	4960.0000	48.82	3.80	52.62	74.00	-21.38	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.

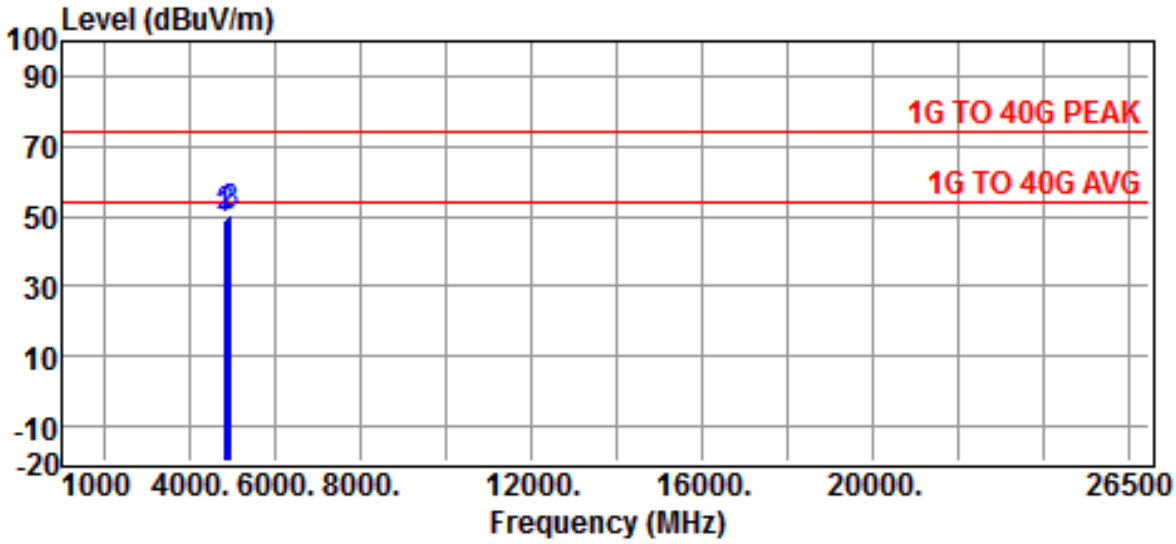


Site	:Chamber #2	Date	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT4.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	47.54	3.27	50.81	74.00	-23.19	Peak
	4880.0000	47.62	3.48	51.10	74.00	-22.90	Peak
*	4960.0000	47.36	3.80	51.16	74.00	-22.84	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.

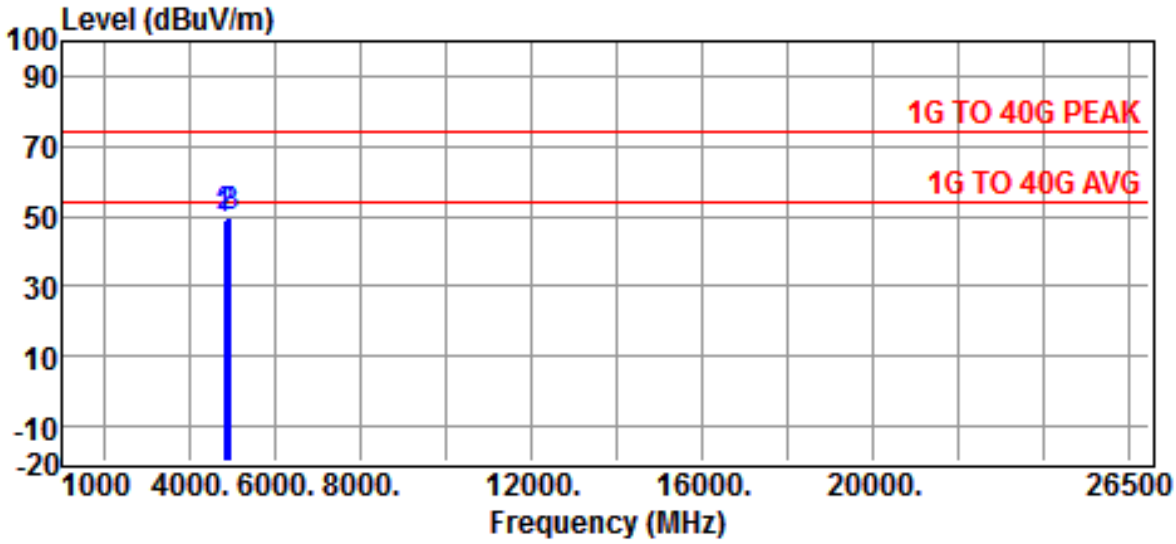


Site	:Chamber #2	Date	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	45.85	3.27	49.12	74.00	-24.88	Peak
	4880.0000	46.25	3.48	49.73	74.00	-24.27	Peak
*	4960.0000	46.66	3.80	50.46	74.00	-23.54	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	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	4804.0000	45.98	3.27	49.25	74.00	-24.75	Peak
	4880.0000	45.93	3.48	49.41	74.00	-24.59	Peak
*	4960.0000	46.21	3.80	50.01	74.00	-23.99	Peak

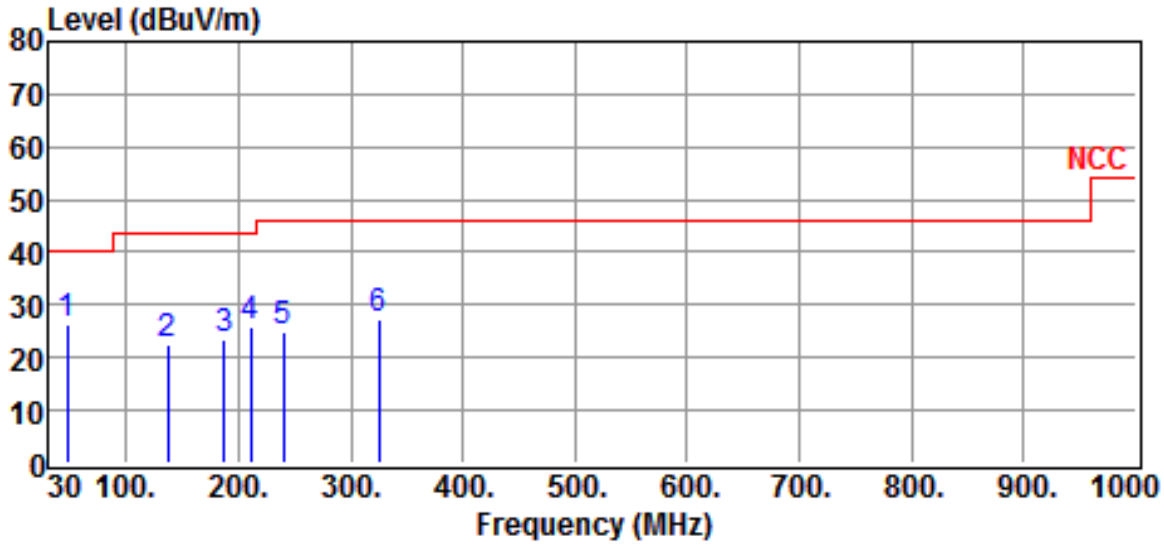
Note :

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

1）型號：HX9996/11+Charge Stand+電源供應器(WAA1001)

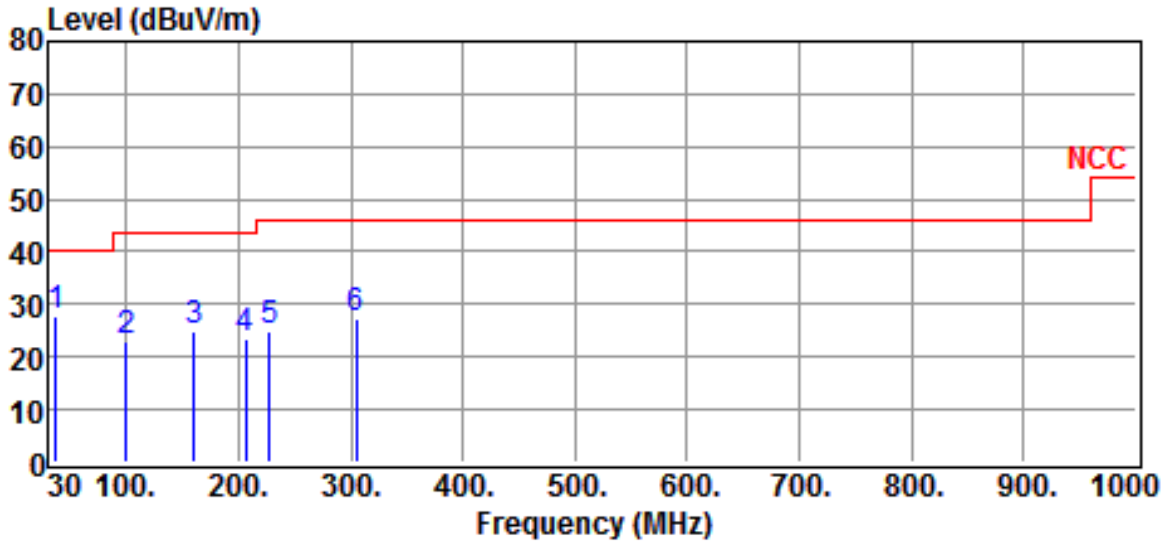


Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode	Champagne+WAA1001	

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	47.4600	36.43	-10.10	26.33	40.00	-13.67	QP
	136.7000	29.65	-7.15	22.50	43.50	-21.00	QP
	187.1400	32.77	-9.39	23.38	43.50	-20.12	QP
	210.4200	31.83	-5.83	26.00	43.50	-17.50	QP
	239.5200	31.63	-6.75	24.88	46.00	-21.12	QP
	324.8800	30.12	-2.93	27.19	46.00	-18.81	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.



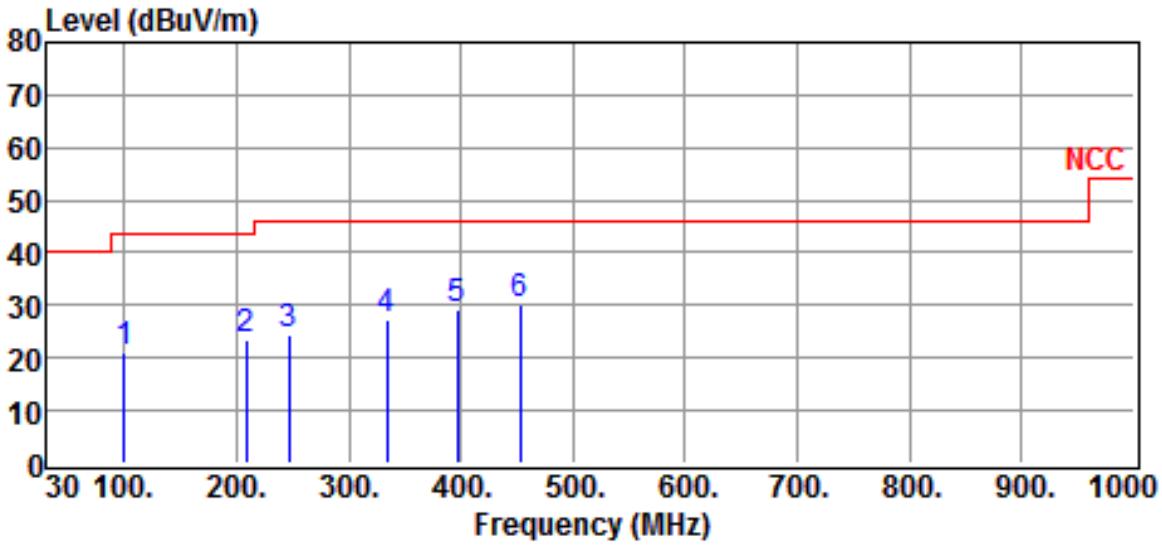
Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode Champagne+WAA1001		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	37.7600	32.99	-4.99	28.00	40.00	-12.00	QP
	99.8400	32.83	-9.95	22.88	43.50	-20.62	QP
	159.9800	32.44	-7.75	24.69	43.50	-18.81	QP
	206.5400	29.88	-6.20	23.68	43.50	-19.82	QP
	227.8800	31.98	-7.03	24.95	46.00	-21.05	QP
	305.4800	30.07	-3.00	27.07	46.00	-18.93	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.

2）型號：HX9996/11+Charge Stand+電源供應器(HX9200)

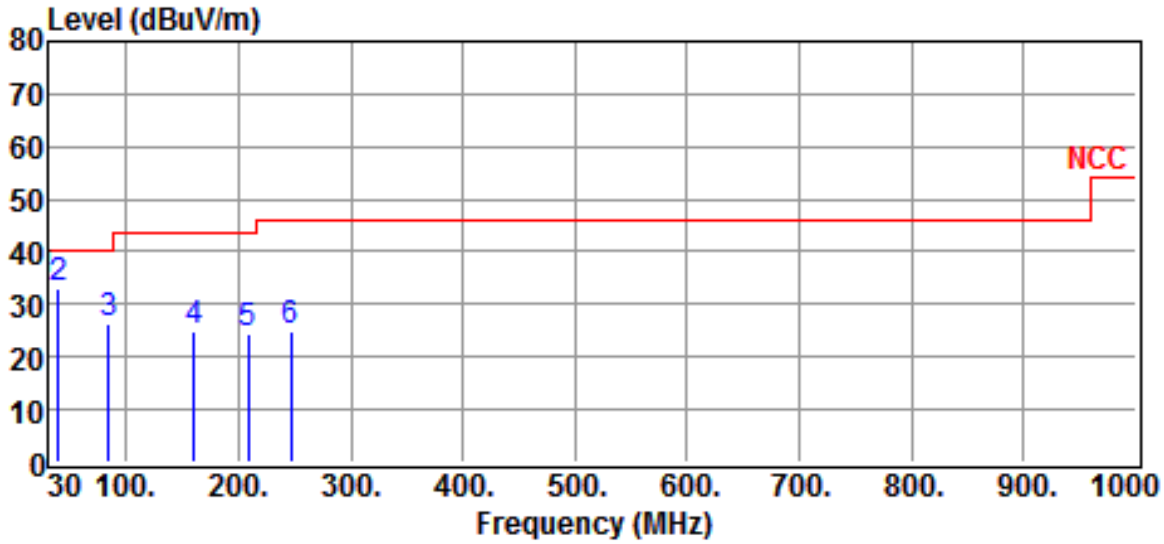


Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode Champagne+HX9200		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	99.8400	31.22	-9.95	21.27	43.50	-22.23	QP
	208.4800	29.34	-5.94	23.40	43.50	-20.10	QP
	247.2800	29.96	-5.38	24.58	46.00	-21.42	QP
	334.5800	30.32	-2.84	27.48	46.00	-18.52	QP
	396.6600	30.36	-1.19	29.17	46.00	-16.83	QP
*	452.9200	30.80	-0.50	30.30	46.00	-15.70	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode		

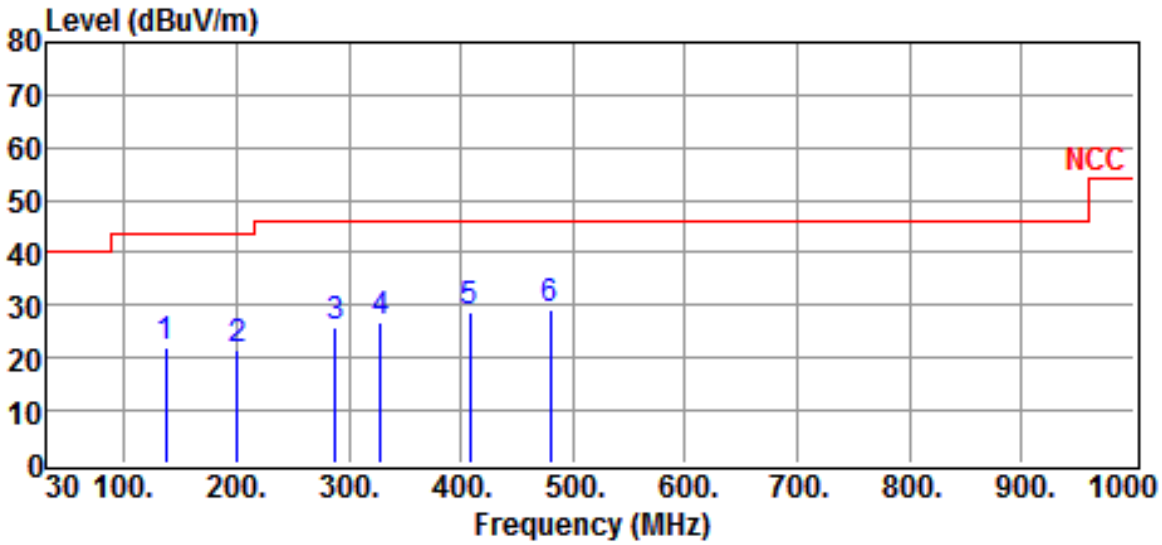
Champagne+HX9200

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	30.0000	35.29	-0.97	34.32	40.00	-5.68	QP
	39.7000	39.05	-5.98	33.07	40.00	-6.93	QP
	84.3200	38.40	-12.05	26.35	40.00	-13.65	QP
	159.9800	32.66	-7.75	24.91	43.50	-18.59	QP
	208.4800	30.37	-5.94	24.43	43.50	-19.07	QP
	247.2800	30.37	-5.38	24.99	46.00	-21.01	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.

3）型號：HX9996/11+Charge Box+電源供應器(WAA1001)

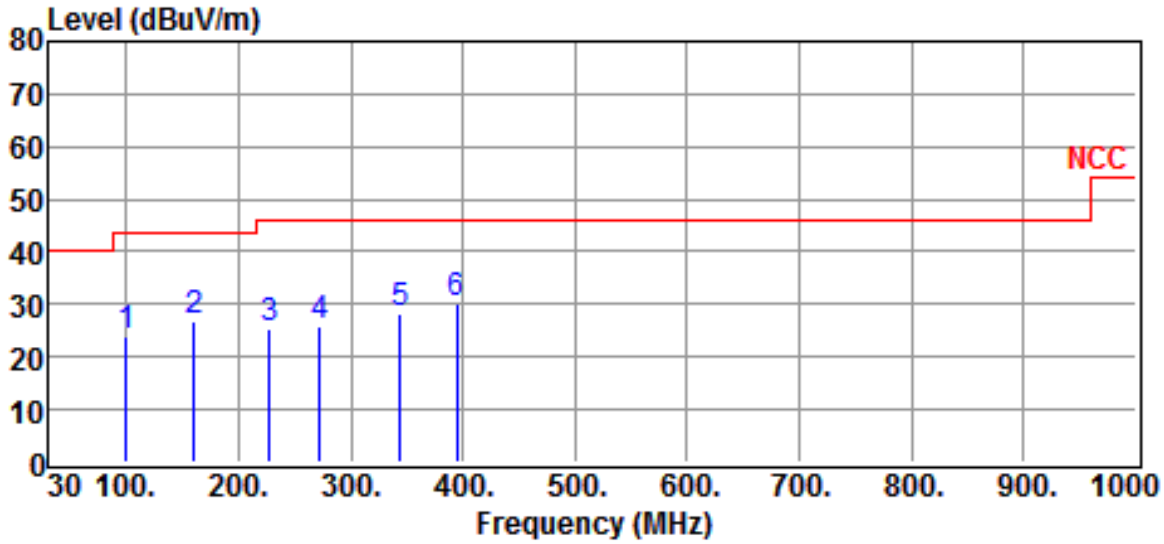


Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode Champagne+WAA1001		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	136.7000	29.16	-7.15	22.01	43.50	-21.49	QP
	200.7200	29.93	-8.14	21.79	43.50	-21.71	QP
	288.0200	29.44	-3.60	25.84	46.00	-20.16	QP
	328.7600	29.75	-2.92	26.83	46.00	-19.17	QP
	408.3000	29.97	-1.02	28.95	46.00	-17.05	QP
*	480.0800	29.32	0.11	29.43	46.00	-16.57	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode		

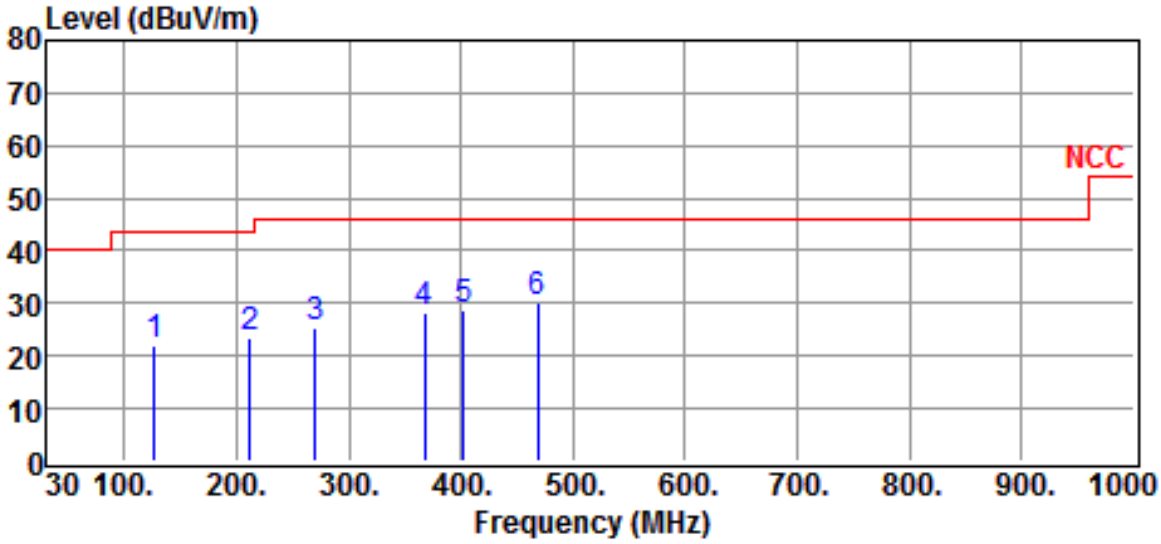
Champagne+WAA1001

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	99.8400	33.67	-9.95	23.72	43.50	-19.78	QP
	159.9800	34.58	-7.75	26.83	43.50	-16.67	QP
	227.8800	32.59	-7.03	25.56	46.00	-20.44	QP
	272.5000	30.58	-4.49	26.09	46.00	-19.91	QP
	344.2800	30.54	-2.48	28.06	46.00	-17.94	QP
*	394.7200	31.24	-1.22	30.02	46.00	-15.98	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.

4）型號：HX9996/11+ Charge Box +電源供應器(HX9200)

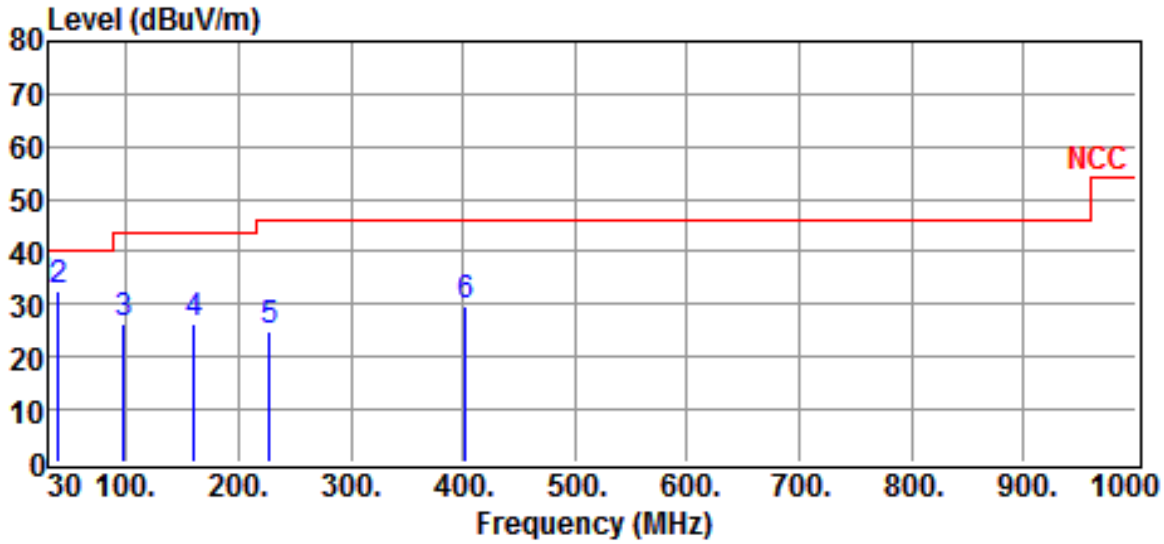


Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode		
	Champagne+HX9200		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	127.0000	29.45	-7.48	21.97	43.50	-21.53	QP
	212.3600	29.60	-6.16	23.44	43.50	-20.06	QP
	270.5600	29.84	-4.51	25.33	46.00	-20.67	QP
	367.5600	30.00	-1.63	28.37	46.00	-17.63	QP
	402.4800	29.86	-1.07	28.79	46.00	-17.21	QP
*	468.4400	30.51	-0.25	30.26	46.00	-15.74	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:DC 5V From Adapter110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode		

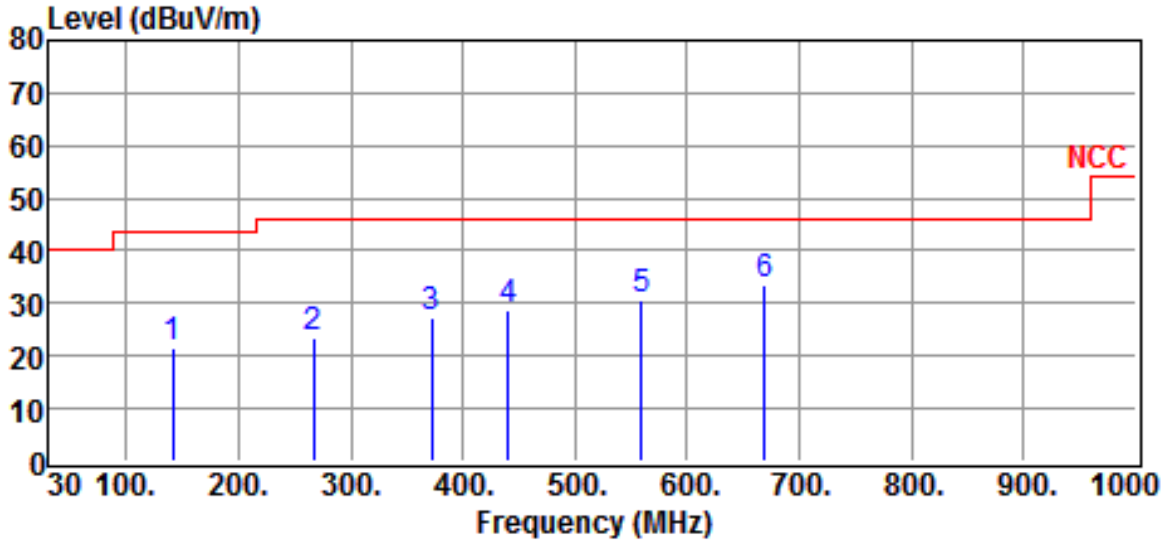
Champagne+HX9200

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	30.0000	33.83	-0.97	32.86	40.00	-7.14	QP
	39.7000	38.59	-5.98	32.61	40.00	-7.39	QP
	97.9000	36.84	-10.26	26.58	43.50	-16.92	QP
	159.9800	34.32	-7.75	26.57	43.50	-16.93	QP
	227.8800	31.75	-7.03	24.72	46.00	-21.28	QP
	402.4800	30.84	-1.07	29.77	46.00	-16.23	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.

5）型號：HX9996/11+ Operation



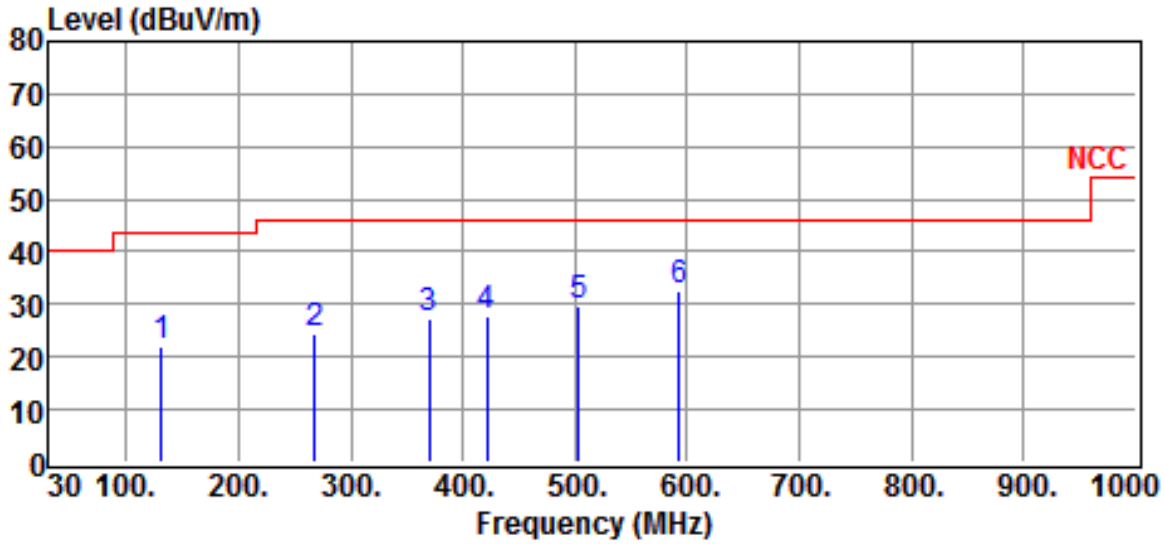
Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Operation Mode		

Champagne

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	141.5500	28.66	-7.19	21.47	43.50	-22.03	QP
	266.6800	28.30	-4.60	23.70	46.00	-22.30	QP
	372.4100	28.78	-1.59	27.19	46.00	-18.81	QP
	440.3100	28.89	-0.32	28.57	46.00	-17.43	QP
	559.6200	29.09	1.44	30.53	46.00	-15.47	QP
*	669.2300	29.20	4.53	33.73	46.00	-12.27	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Operation Mode		

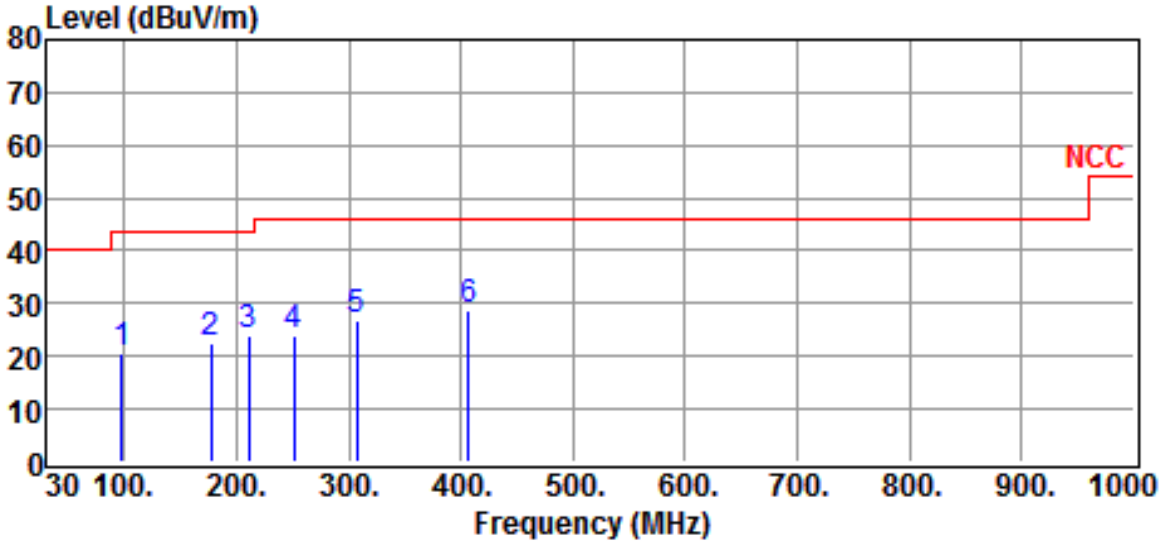
Champagne

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	131.8500	29.29	-7.23	22.06	43.50	-21.44	QP
	267.6500	28.91	-4.58	24.33	46.00	-21.67	QP
	369.5000	28.72	-1.59	27.13	46.00	-18.87	QP
	421.8800	28.80	-0.91	27.89	46.00	-18.11	QP
	503.3600	29.34	0.13	29.47	46.00	-16.53	QP
*	592.6000	30.71	1.77	32.48	46.00	-13.52	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.

6）型號：HX9996/12+Charge Stand+電源供應器(WAA2001)



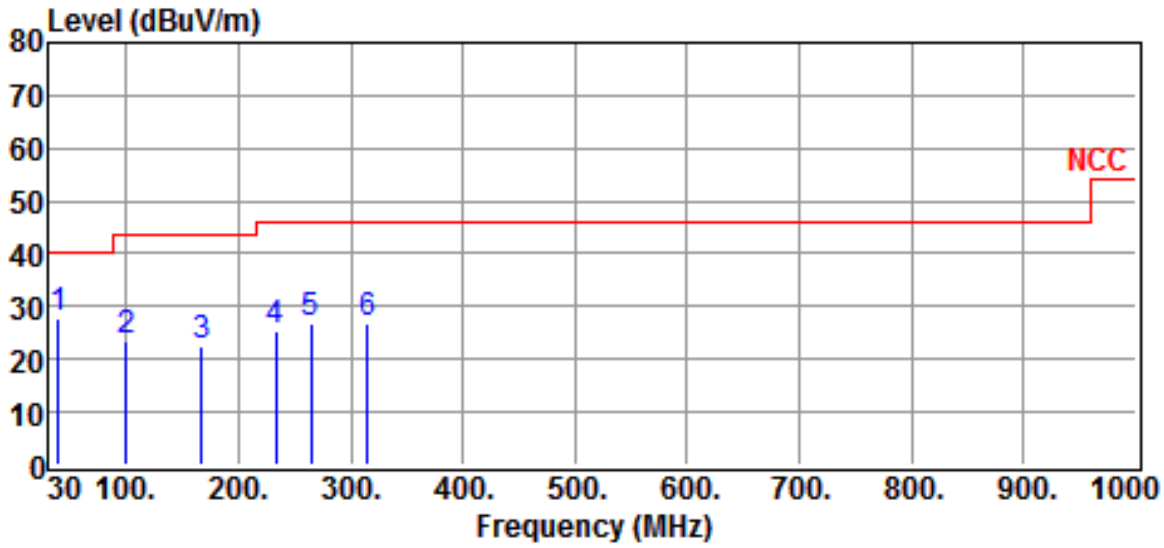
Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode		

Midnight Blue+WAA2001

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	97.9000	30.62	-10.26	20.36	43.50	-23.14	QP
	177.4400	31.37	-8.86	22.51	43.50	-20.99	QP
	210.4200	29.63	-5.83	23.80	43.50	-19.70	QP
	251.1600	28.83	-4.70	24.13	46.00	-21.87	QP
	307.4200	29.87	-3.00	26.87	46.00	-19.13	QP
*	407.3300	29.61	-1.01	28.60	46.00	-17.40	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode		

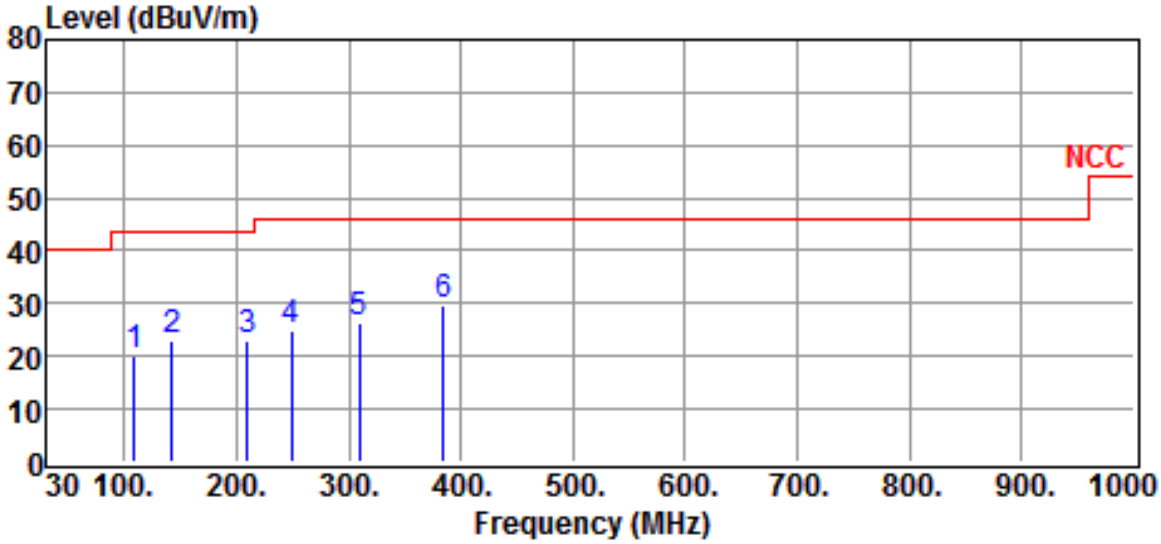
Midnight Blue+WAA2001

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	39.7000	33.56	-5.98	27.58	40.00	-12.42	QP
	99.8400	33.29	-9.95	23.34	43.50	-20.16	QP
	167.7400	30.49	-8.02	22.47	43.50	-21.03	QP
	233.7000	32.43	-6.98	25.45	46.00	-20.55	QP
	264.7400	31.46	-4.65	26.81	46.00	-19.19	QP
	315.1800	30.05	-3.01	27.04	46.00	-18.96	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.

7）型號：HX9996/12+Charge Stand+電源供應器(HX9200)

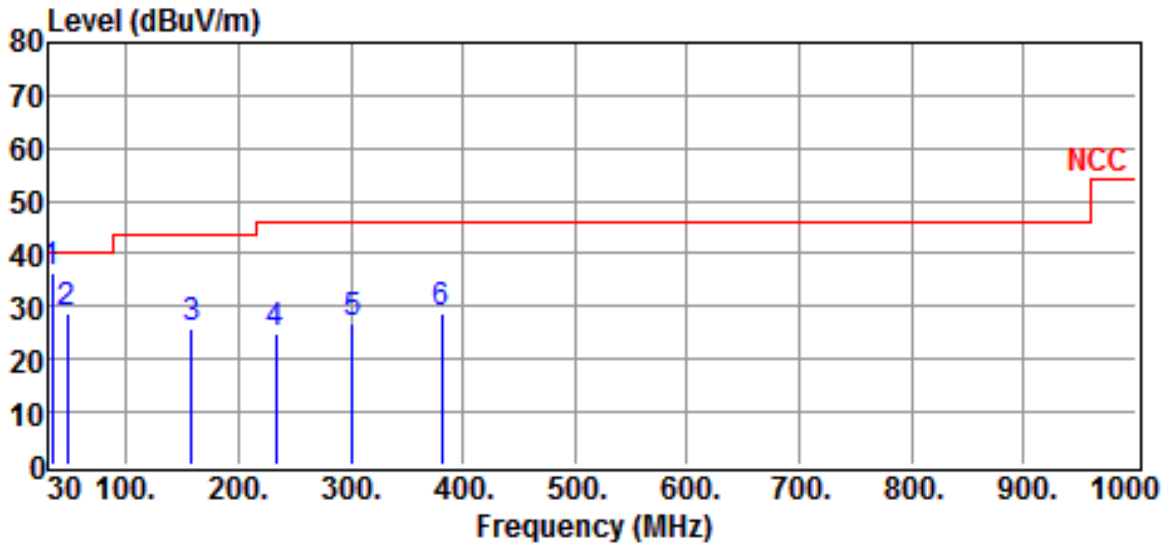


Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode Midnight Blue+HX9200		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	108.5700	29.32	-9.01	20.31	43.50	-23.19	QP
	142.5200	30.24	-7.23	23.01	43.50	-20.49	QP
	209.4500	29.00	-5.83	23.17	43.50	-20.33	QP
	249.2200	29.65	-4.94	24.71	46.00	-21.29	QP
	309.3600	29.53	-3.00	26.53	46.00	-19.47	QP
*	385.0200	30.97	-1.50	29.47	46.00	-16.53	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Stand Mode		

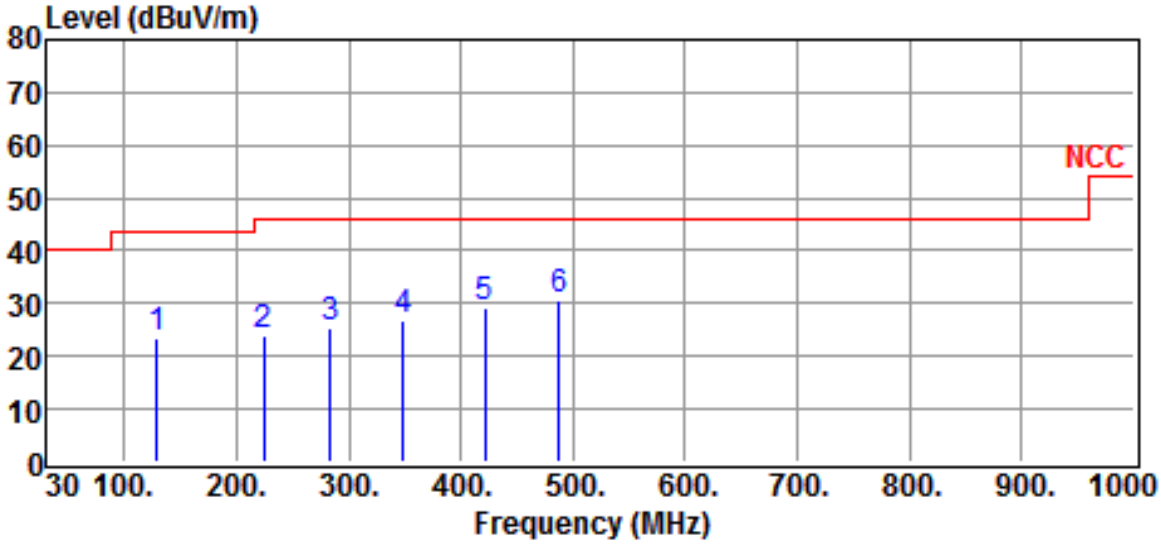
Midnight Blue+HX9200

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	33.8800	39.70	-3.14	36.56	40.00	-3.44	QP
	47.4600	39.08	-10.10	28.98	40.00	-11.02	QP
	158.0400	33.52	-7.78	25.74	43.50	-17.76	QP
	233.7000	31.78	-6.98	24.80	46.00	-21.20	QP
	301.6000	29.69	-3.06	26.63	46.00	-19.37	QP
	381.1400	30.21	-1.57	28.64	46.00	-17.36	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.

8）型號：HX9996/12+Charge Box+電源供應器(WAA2001)



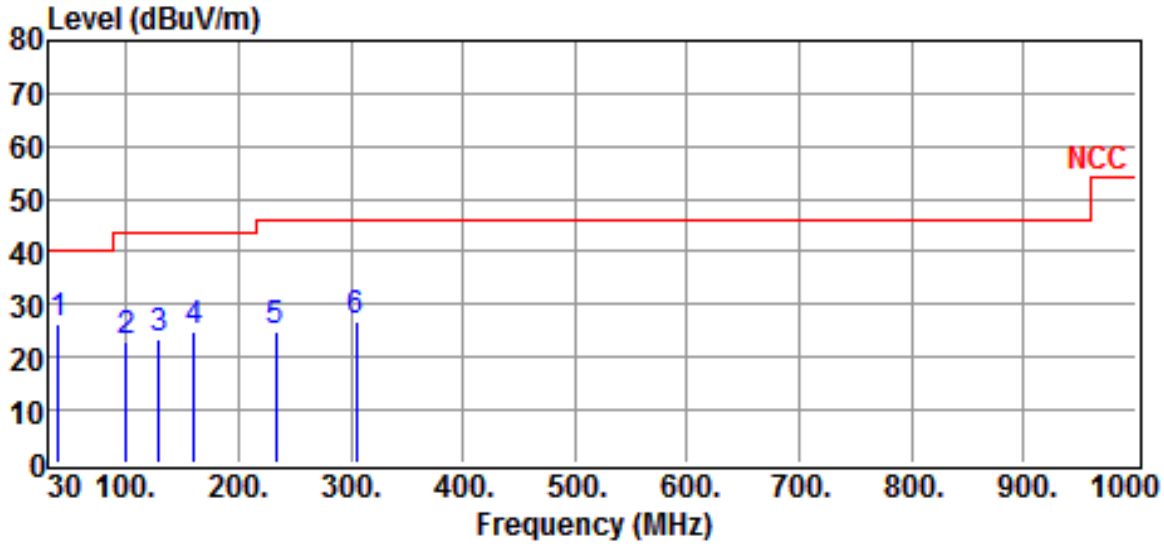
Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode		

Midnight Blue+WAA2001

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	128.9400	31.11	-7.47	23.64	43.50	-19.86	QP
	224.0000	30.95	-7.03	23.92	46.00	-22.08	QP
	284.1400	29.40	-3.88	25.52	46.00	-20.48	QP
	349.1300	29.32	-2.28	27.04	46.00	-18.96	QP
	421.8800	29.95	-0.91	29.04	46.00	-16.96	QP
*	487.8400	30.10	0.32	30.42	46.00	-15.58	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode		

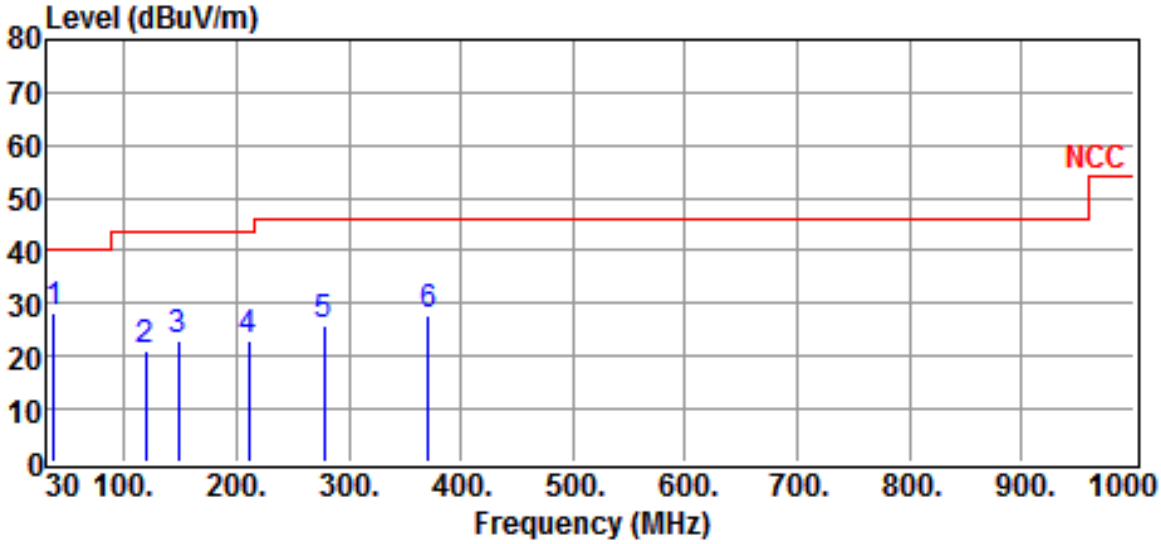
Midnight Blue+WAA2001

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	39.7000	32.48	-5.98	26.50	40.00	-13.50	QP
	99.8400	32.74	-9.95	22.79	43.50	-20.71	QP
	128.9400	31.11	-7.47	23.64	43.50	-19.86	QP
	159.9800	32.58	-7.75	24.83	43.50	-18.67	QP
	233.7000	31.85	-6.98	24.87	46.00	-21.13	QP
	305.4800	29.83	-3.00	26.83	46.00	-19.17	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.

9）型號：HX9996/12+ Charge Box +電源供應器(HX9200)



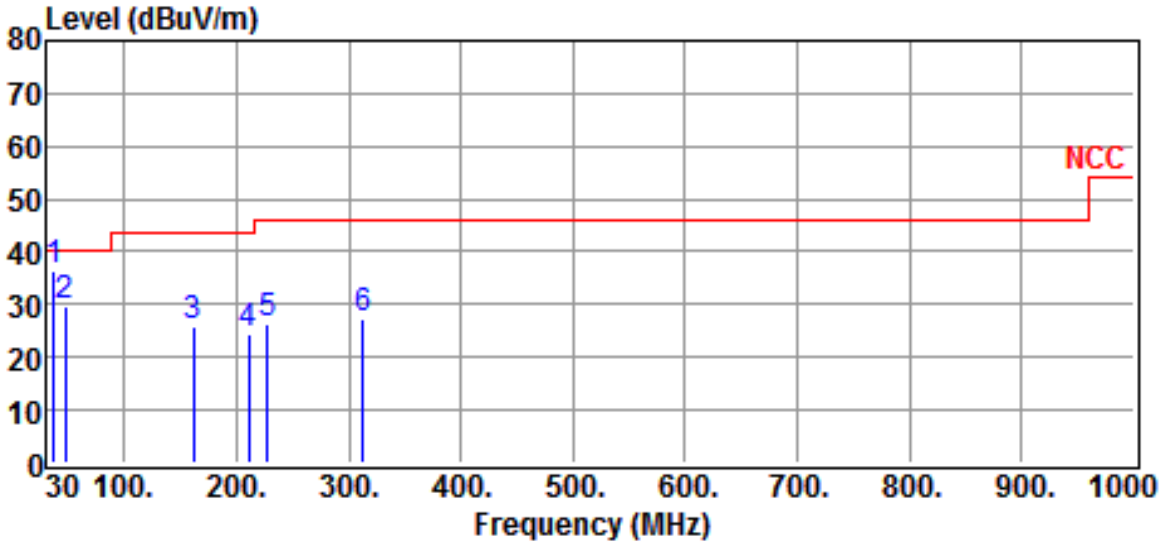
Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode		

Midnight Blue+HX9200

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	37.7600	33.38	-4.99	28.39	40.00	-11.61	QP
	119.2400	29.37	-8.08	21.29	43.50	-22.21	QP
	148.3400	30.54	-7.40	23.14	43.50	-20.36	QP
	210.4200	28.85	-5.83	23.02	43.50	-20.48	QP
	278.3200	29.99	-4.32	25.67	46.00	-20.33	QP
	371.4400	29.48	-1.58	27.90	46.00	-18.10	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:DC 5V From Adapter 110Vac60Hz	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Charge Box Mode		

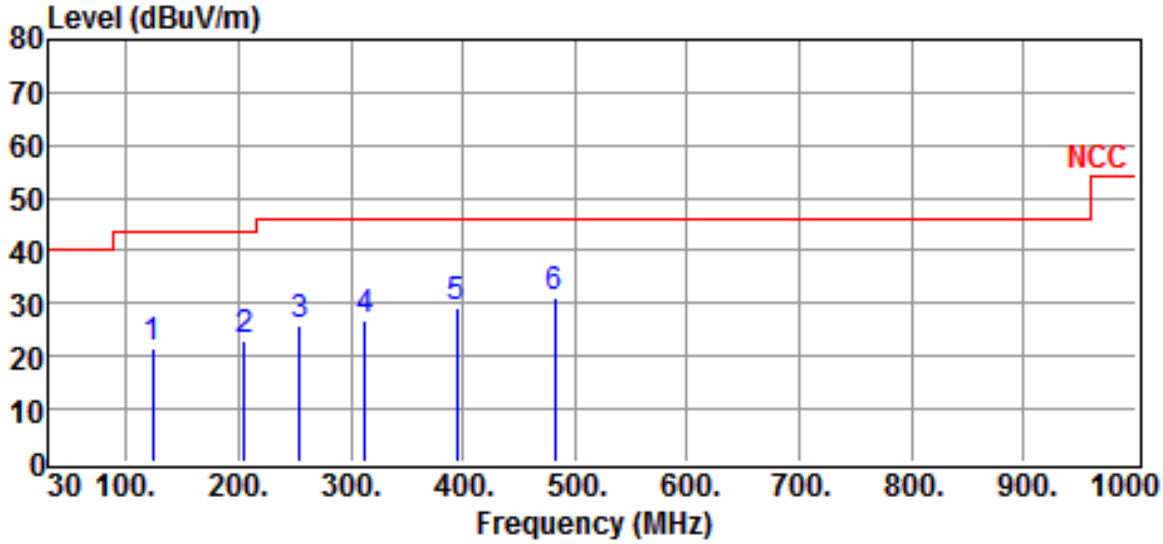
Midnight Blue+HX9200

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	37.7600	41.33	-4.99	36.34	40.00	-3.66	QP
	47.4600	39.61	-10.10	29.51	40.00	-10.49	QP
	161.9200	33.68	-7.83	25.85	43.50	-17.65	QP
	210.4200	30.17	-5.83	24.34	43.50	-19.16	QP
	227.8800	33.47	-7.03	26.44	46.00	-19.56	QP
	313.2400	30.12	-3.01	27.11	46.00	-18.89	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.

10）型號：HX9996/12+ Operation



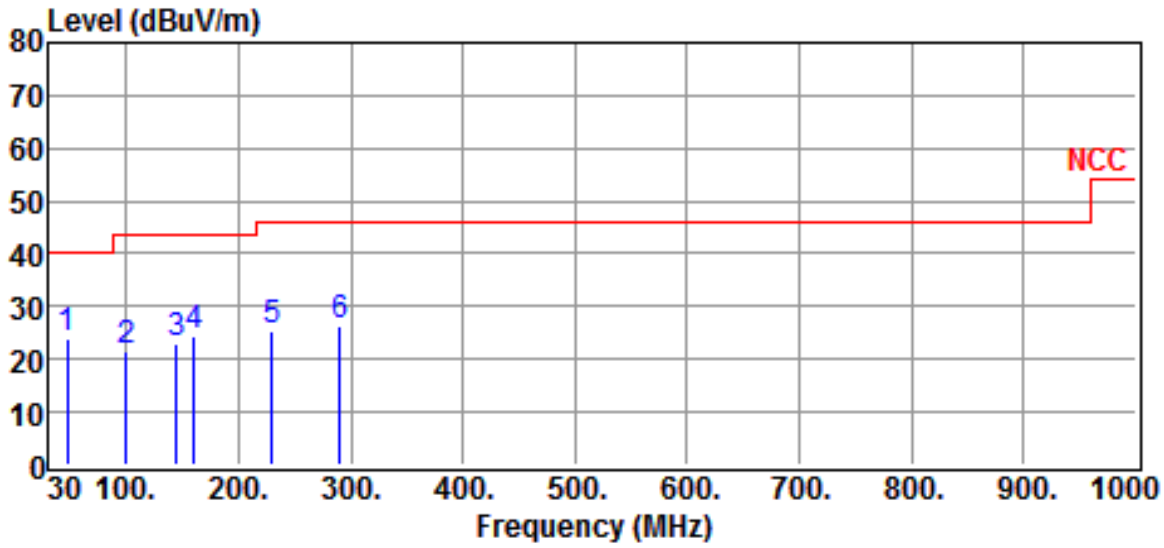
Site	:Chamber #2	Date	:2021-03-11
Limit	:NCC	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Operation Mode		

Midnight Blue

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	123.1200	29.55	-7.82	21.73	43.50	-21.77	QP
	205.5700	29.45	-6.32	23.13	43.50	-20.37	QP
	255.0400	30.53	-4.53	26.00	46.00	-20.00	QP
	313.2400	29.91	-3.01	26.90	46.00	-19.10	QP
	394.7200	30.57	-1.22	29.35	46.00	-16.65	QP
*	482.0200	30.91	0.19	31.10	46.00	-14.90	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	:2021-03-11
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/12		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:Operation Mode		

Midnight Blue

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	47.4600	33.89	-10.10	23.79	40.00	-16.21	QP
	99.8400	31.66	-9.95	21.71	43.50	-21.79	QP
	144.4600	30.41	-7.25	23.16	43.50	-20.34	QP
	159.9800	31.98	-7.75	24.23	43.50	-19.27	QP
	229.8200	32.27	-7.01	25.26	46.00	-20.74	QP
	289.9600	29.60	-3.47	26.13	46.00	-19.87	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 : 2021-03-15 環境溫度 : 24°C 環境濕度 : 55

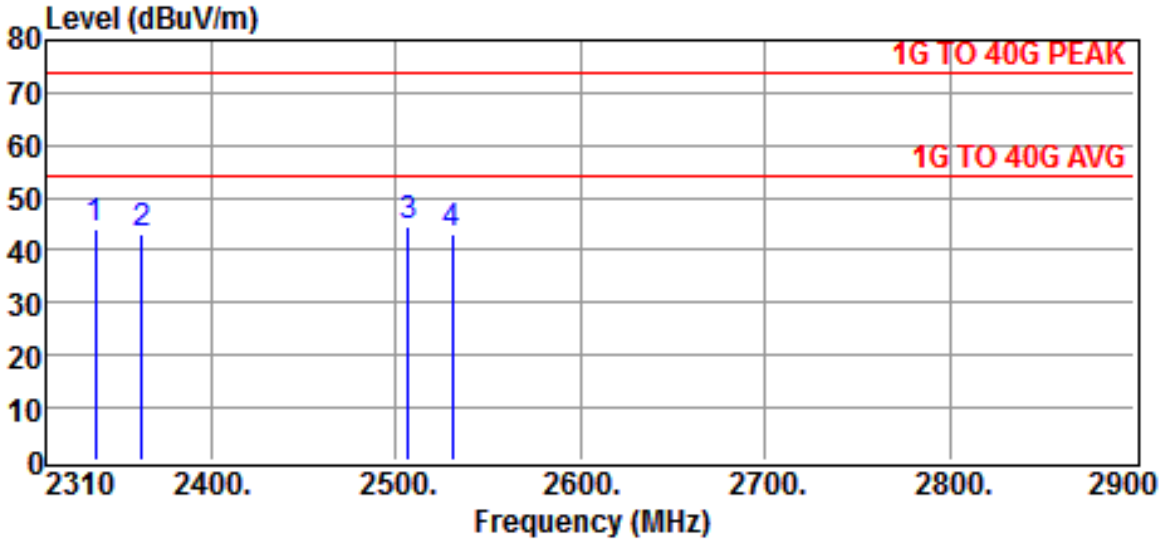
測試結果 : 符合 測試者 : 黃義傑

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

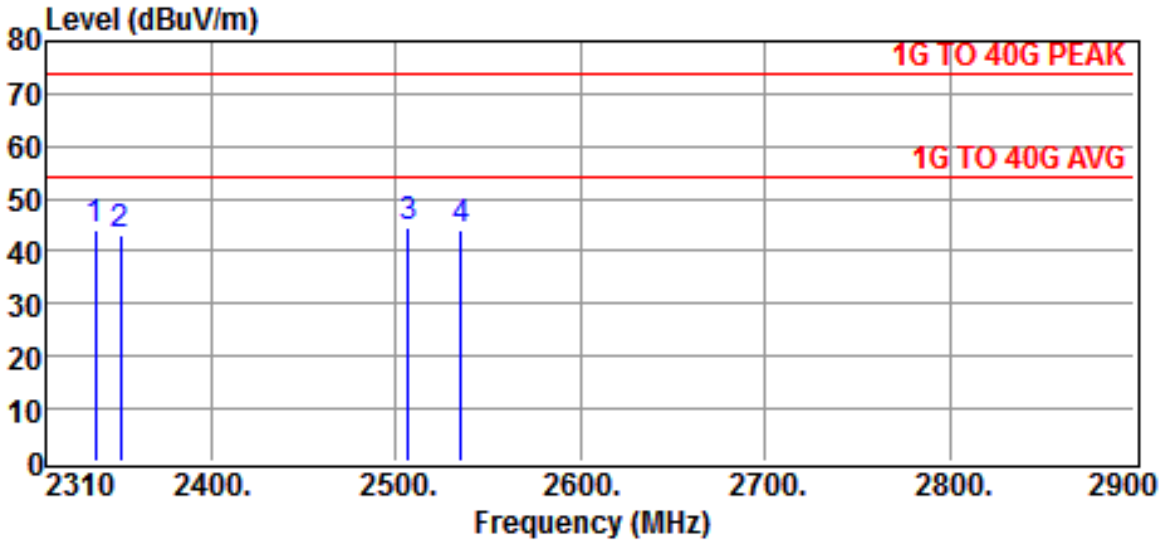


Site	:Chamber #2	Date	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT4.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2337.2000	48.25	-4.37	43.88	74.00	-30.12	Peak
	2362.4000	47.17	-4.23	42.94	74.00	-31.06	Peak
*	2506.4000	48.04	-3.70	44.34	74.00	-29.66	Peak
	2530.4000	46.82	-3.62	43.20	74.00	-30.80	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.

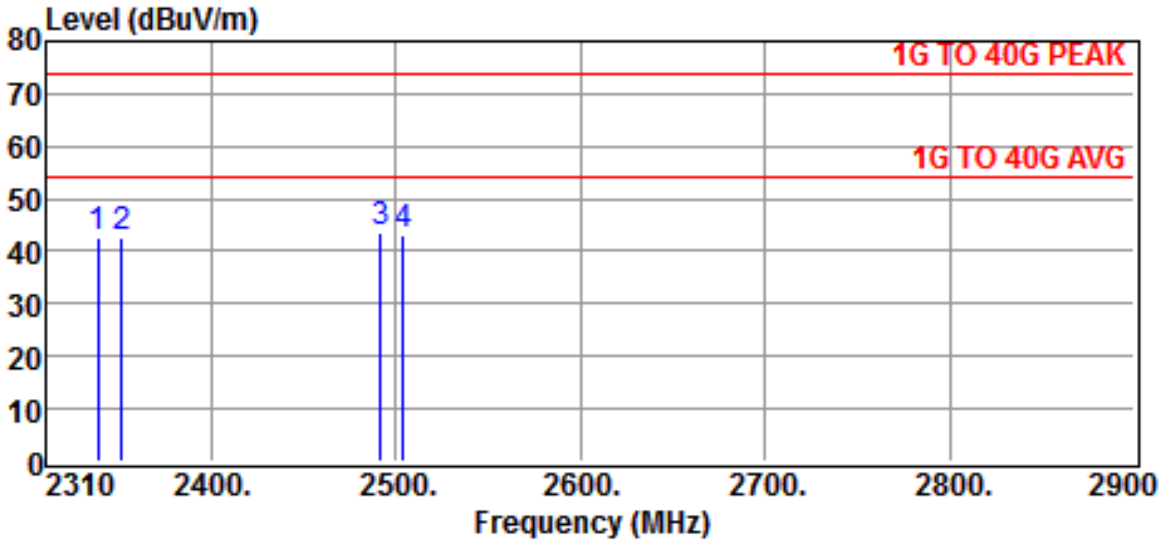


Site	:Chamber #2	Date	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT4.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2337.2000	48.25	-4.37	43.88	74.00	-30.12	Peak
	2350.4000	47.13	-4.25	42.88	74.00	-31.12	Peak
*	2506.4000	48.04	-3.70	44.34	74.00	-29.66	Peak
	2535.2000	47.67	-3.60	44.07	74.00	-29.93	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.

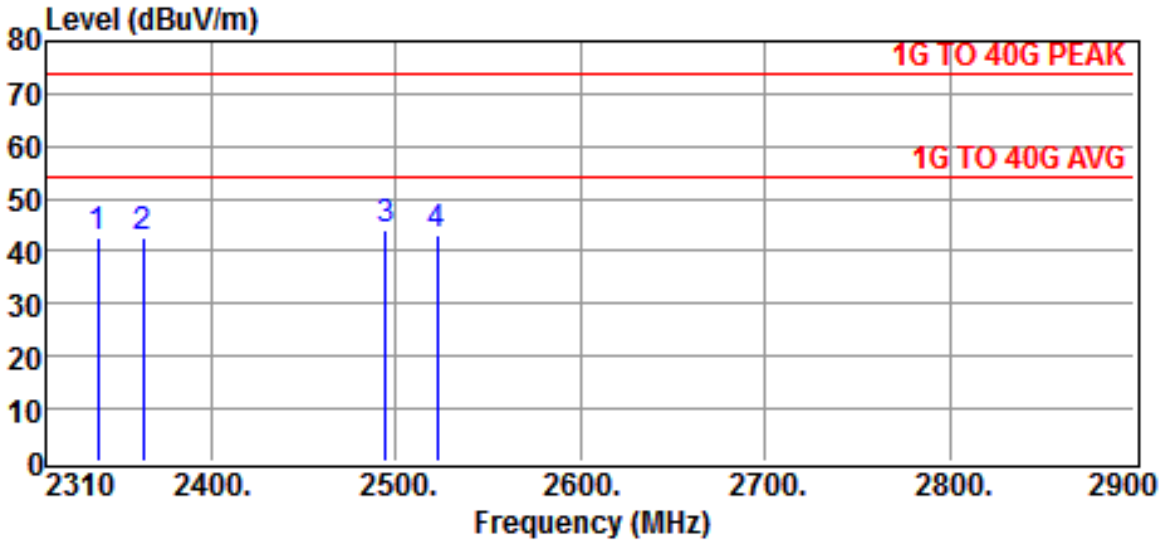


Site	:Chamber #2	Date	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2338.3200	46.86	-4.36	42.50	74.00	-31.50	Peak
	2351.3000	46.79	-4.25	42.54	74.00	-31.46	Peak
*	2491.7200	47.54	-3.76	43.78	74.00	-30.22	Peak
	2503.5200	46.80	-3.70	43.10	74.00	-30.90	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	:2021-03-15
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2338.3200	46.86	-4.36	42.50	74.00	-31.50	Peak
	2362.5100	46.68	-4.23	42.45	74.00	-31.55	Peak
*	2494.0800	47.63	-3.75	43.88	74.00	-30.12	Peak
	2522.4000	46.99	-3.65	43.34	74.00	-30.66	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

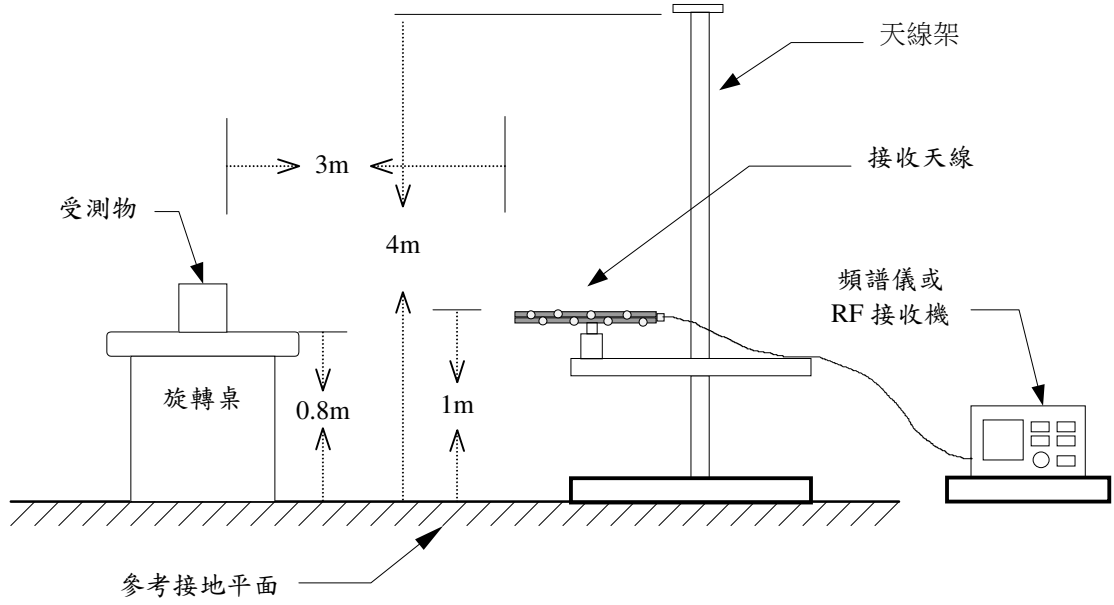
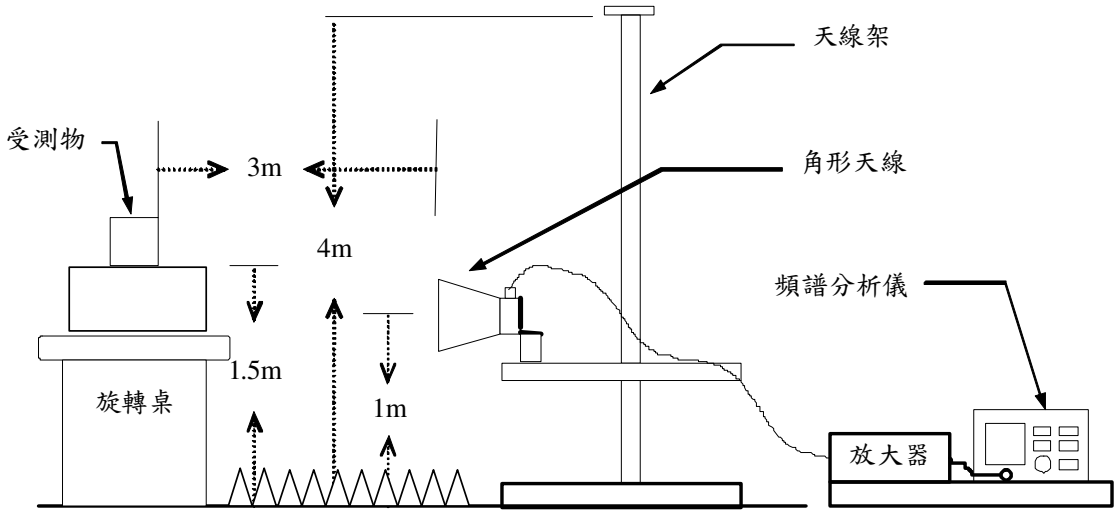


圖 2 : 量測頻率高於1GHz之測試配置

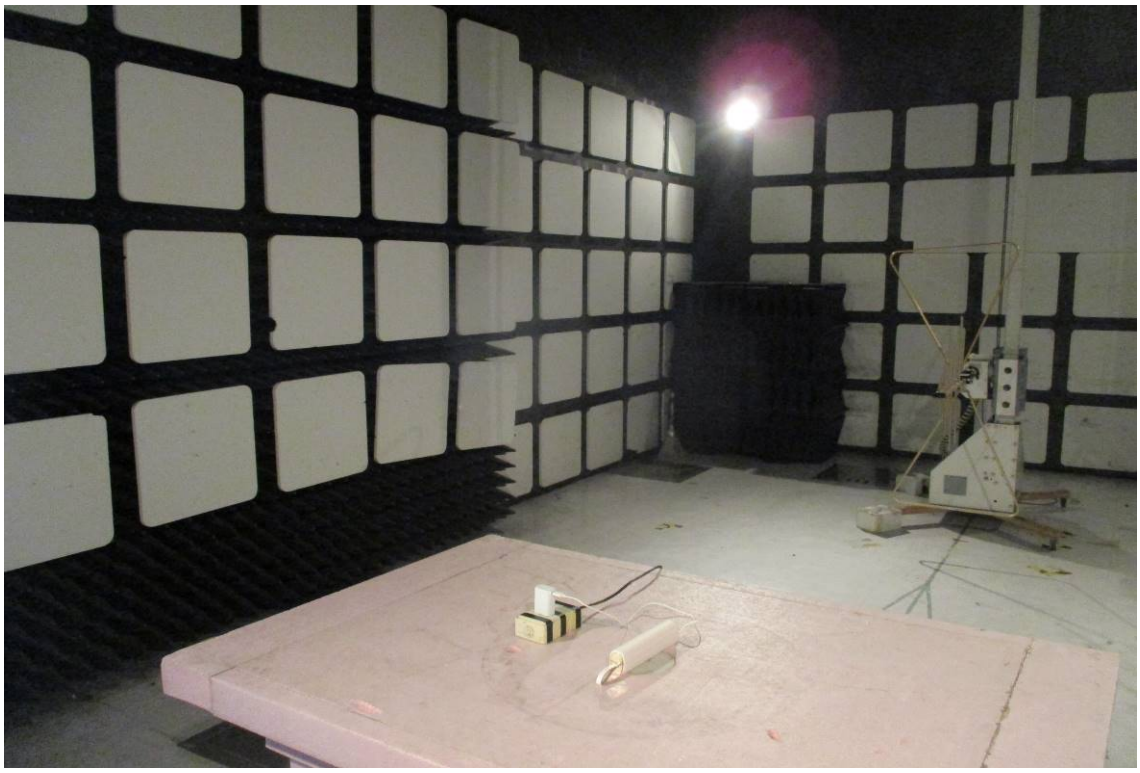


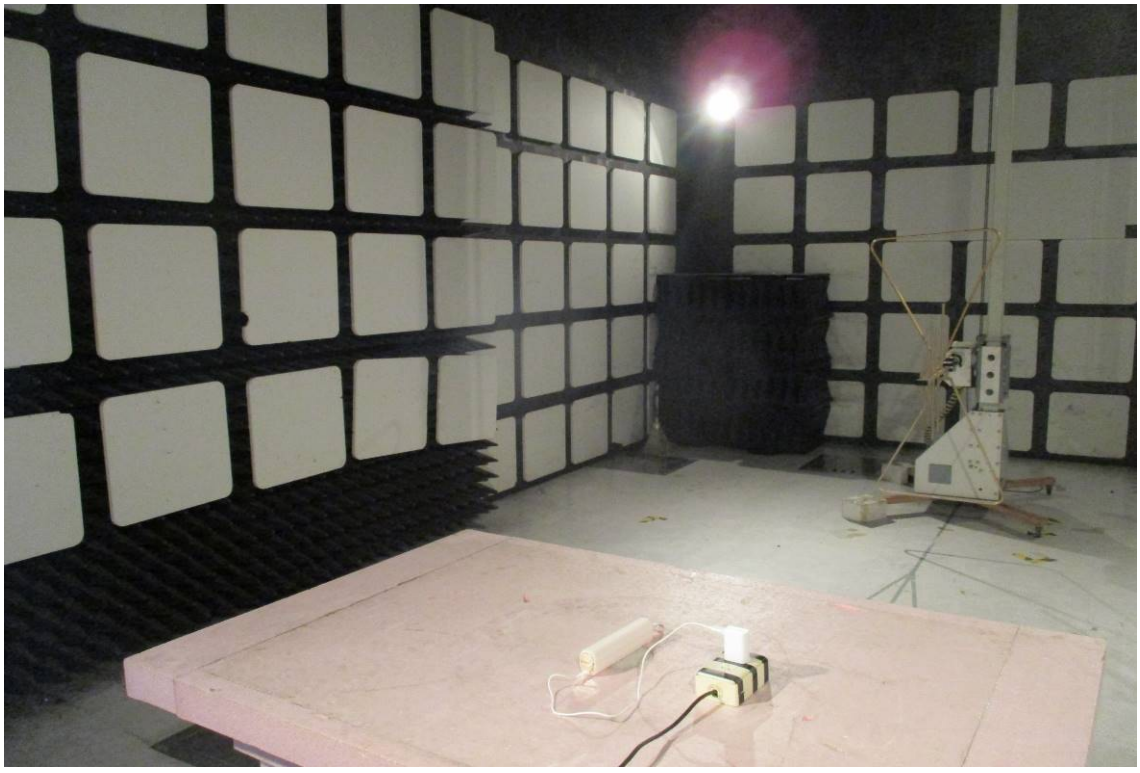
4.7 輻射量測之配置照片

(30MHz~1000MHz)

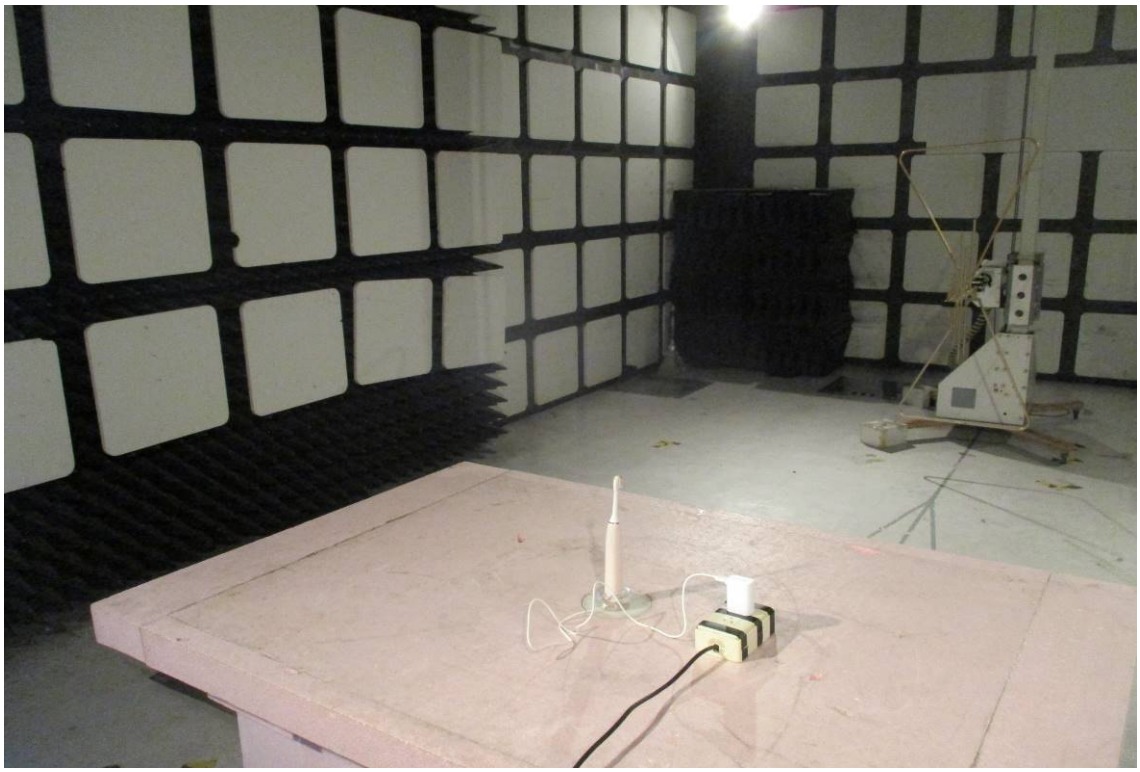
1） 型號：HX9996/11+ADAPTER(WAA1001)

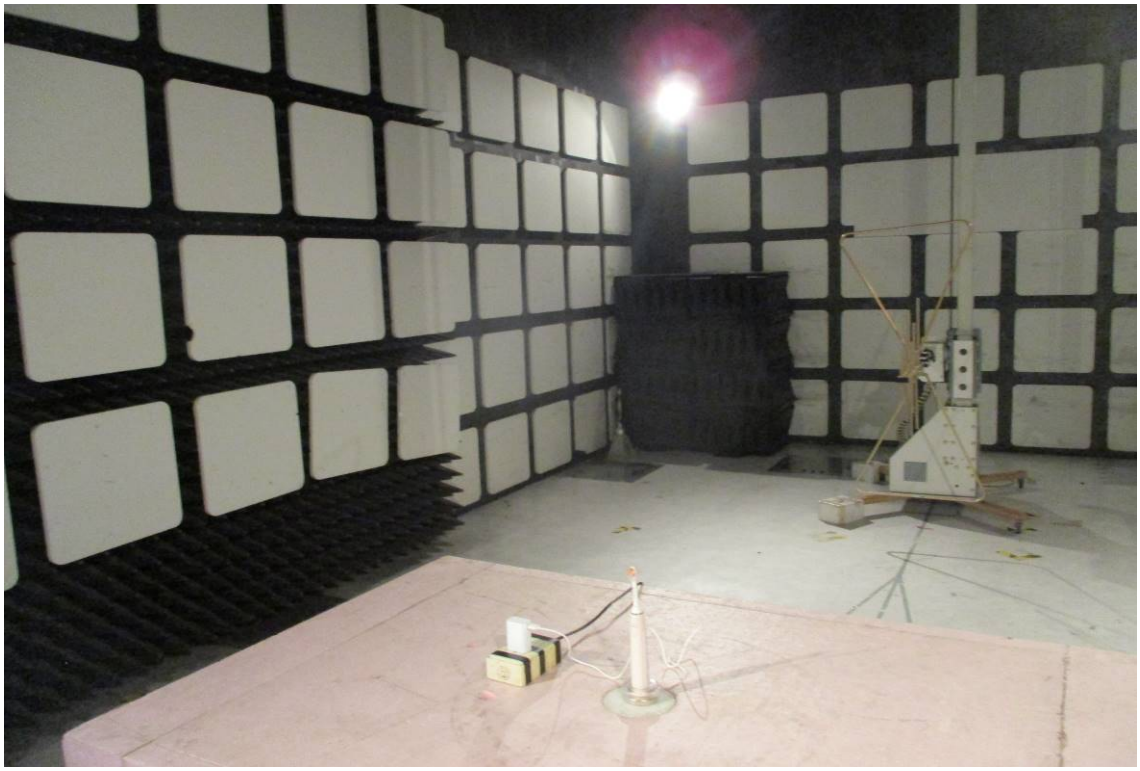
a) 充電盒





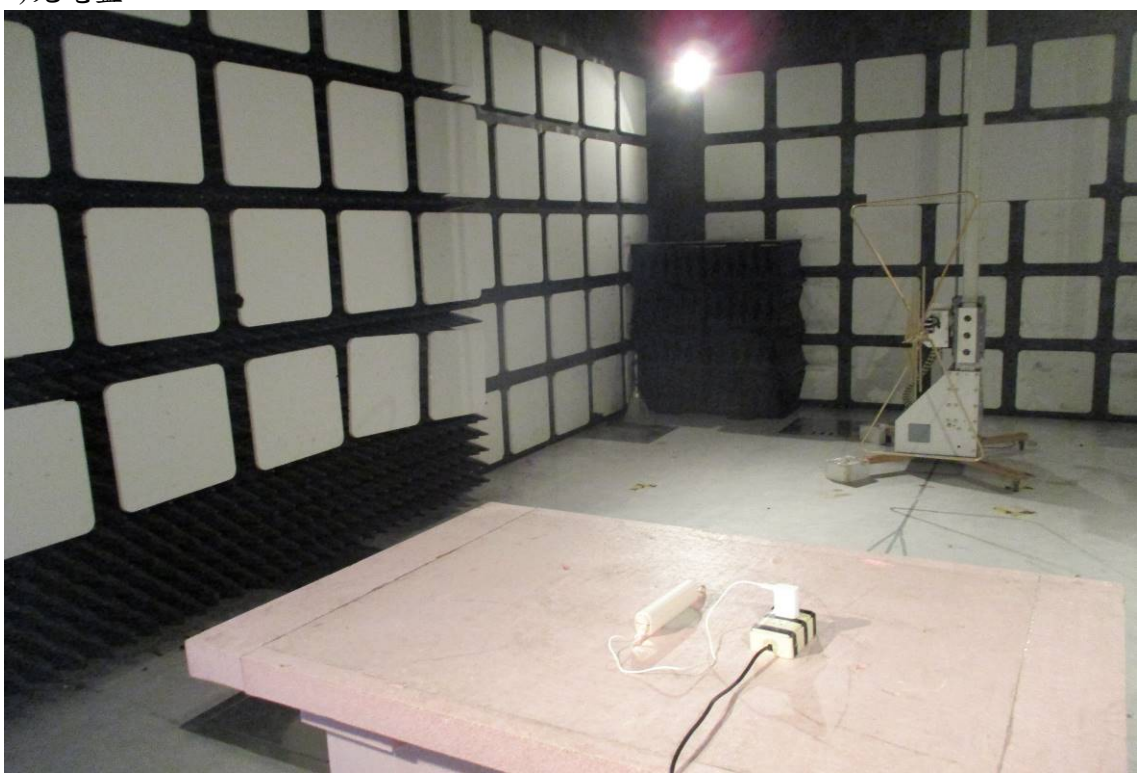
b）座充

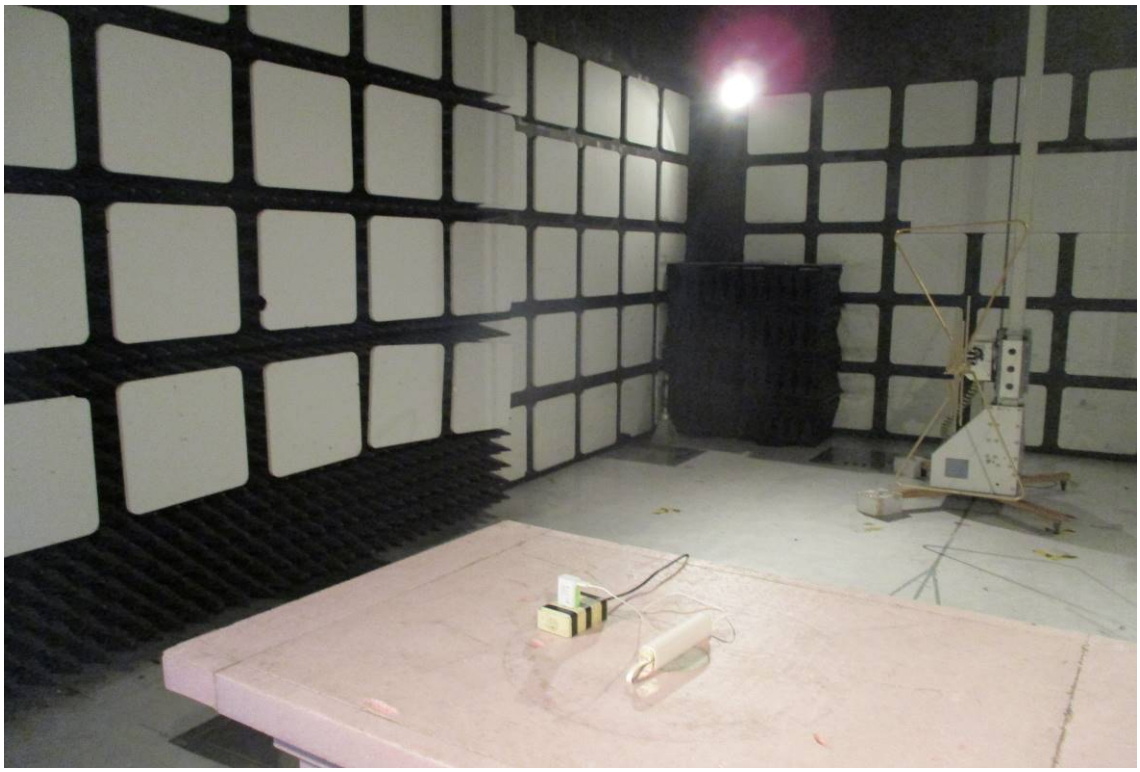




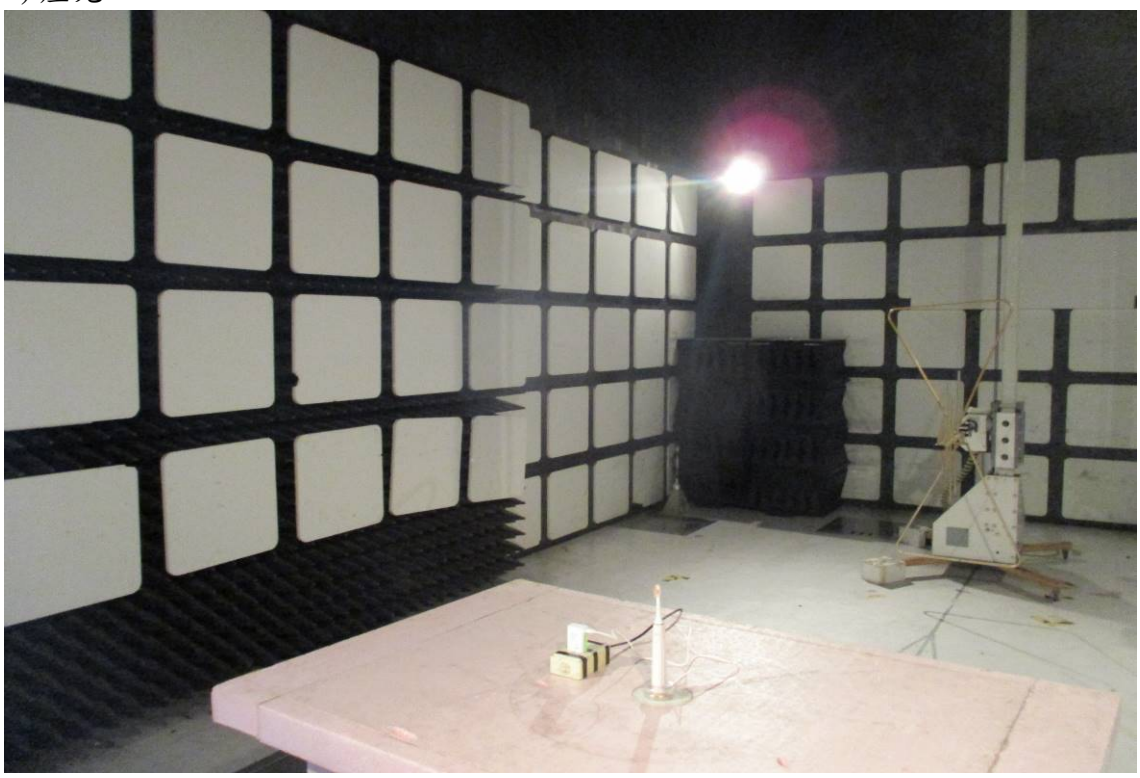
2） 型號：HX9996/11+ADAPTER(HX9200)

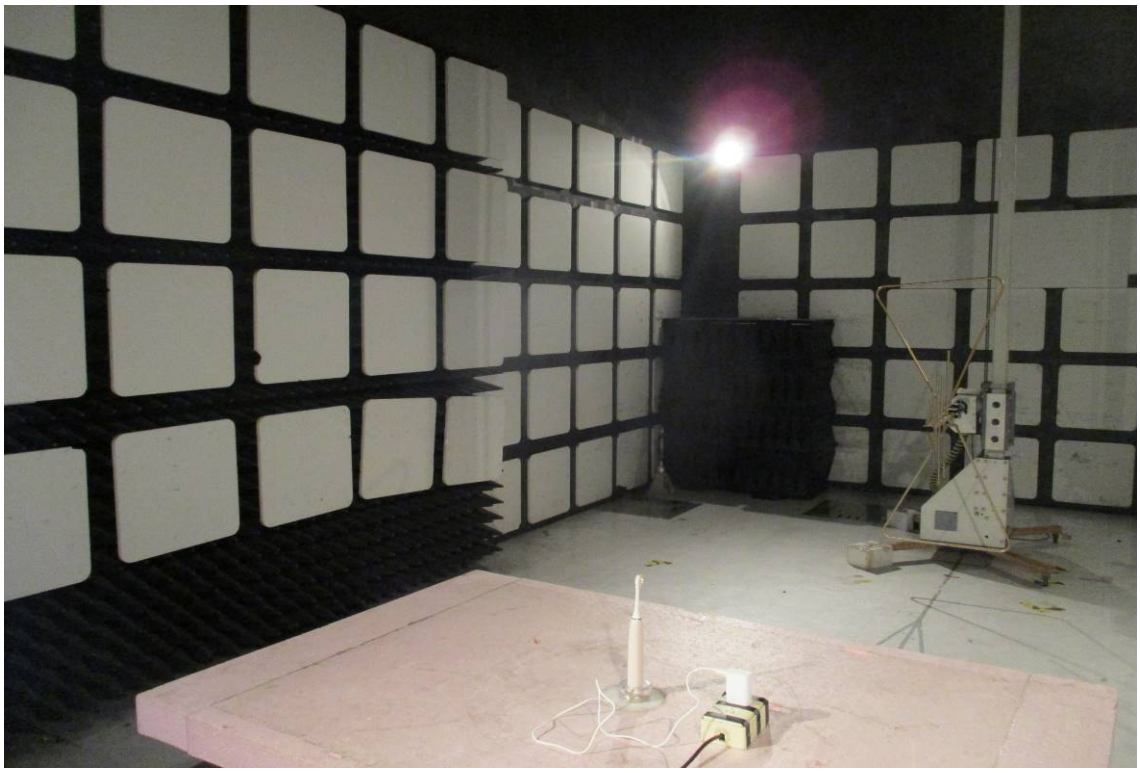
a)充電盒



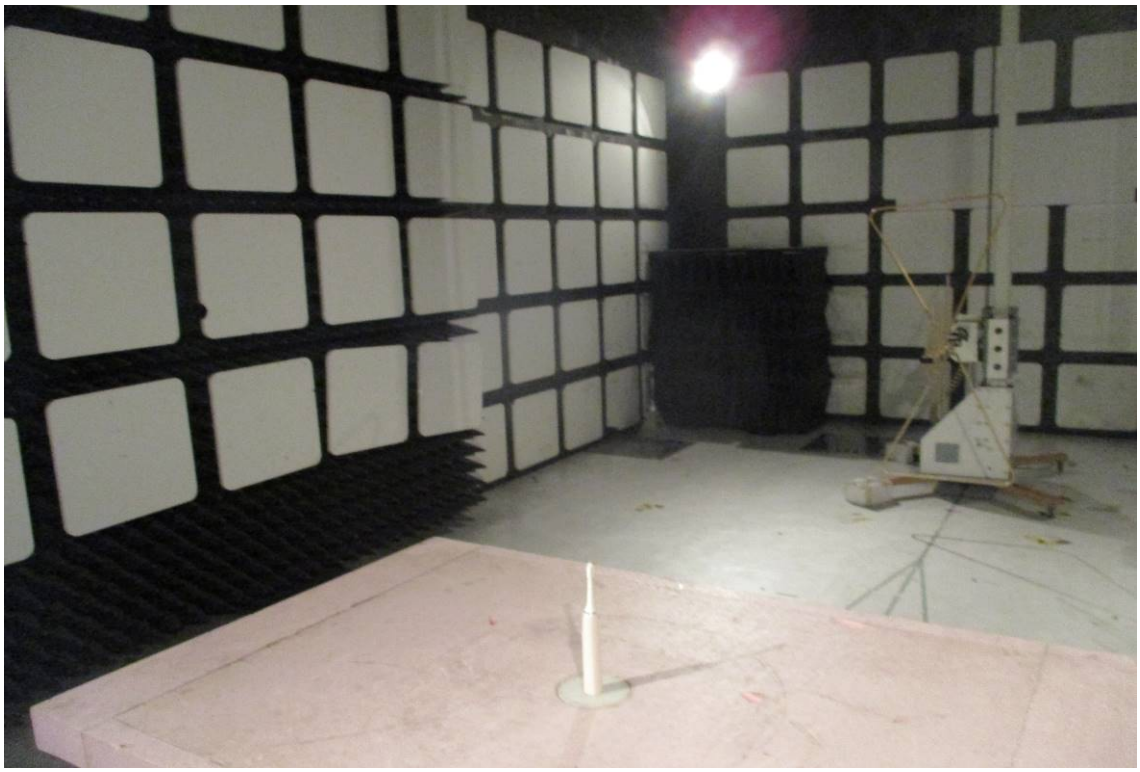


b) 座充



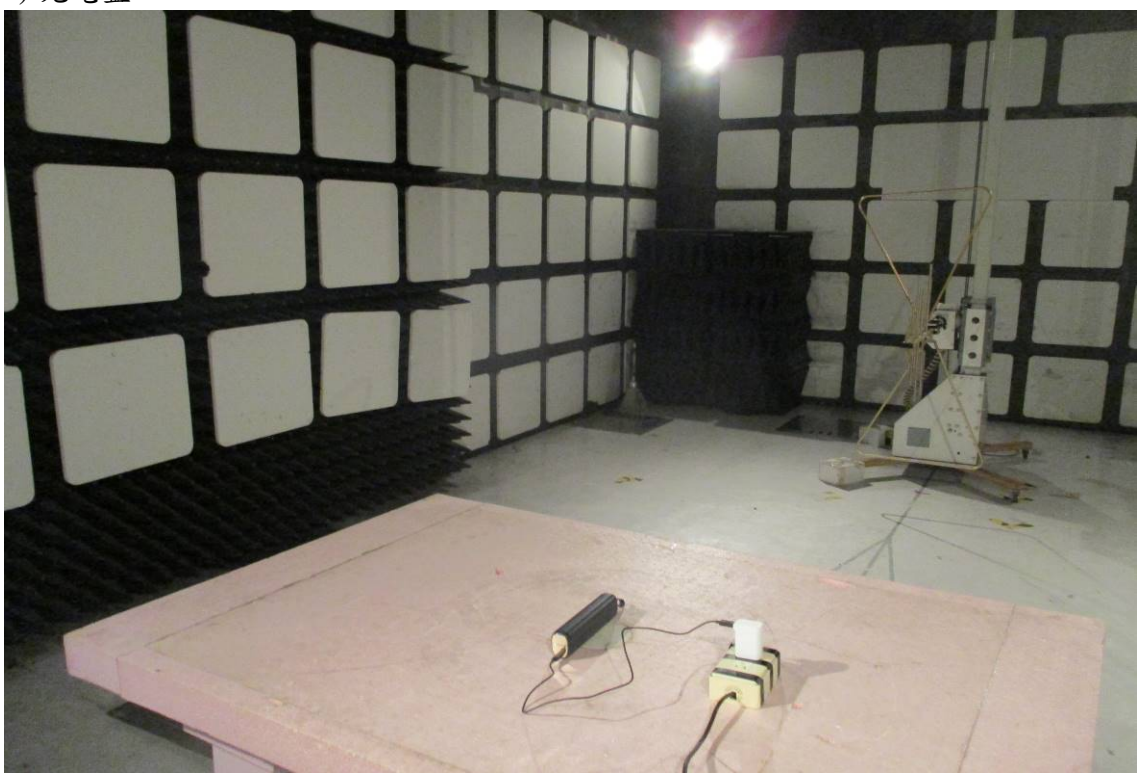


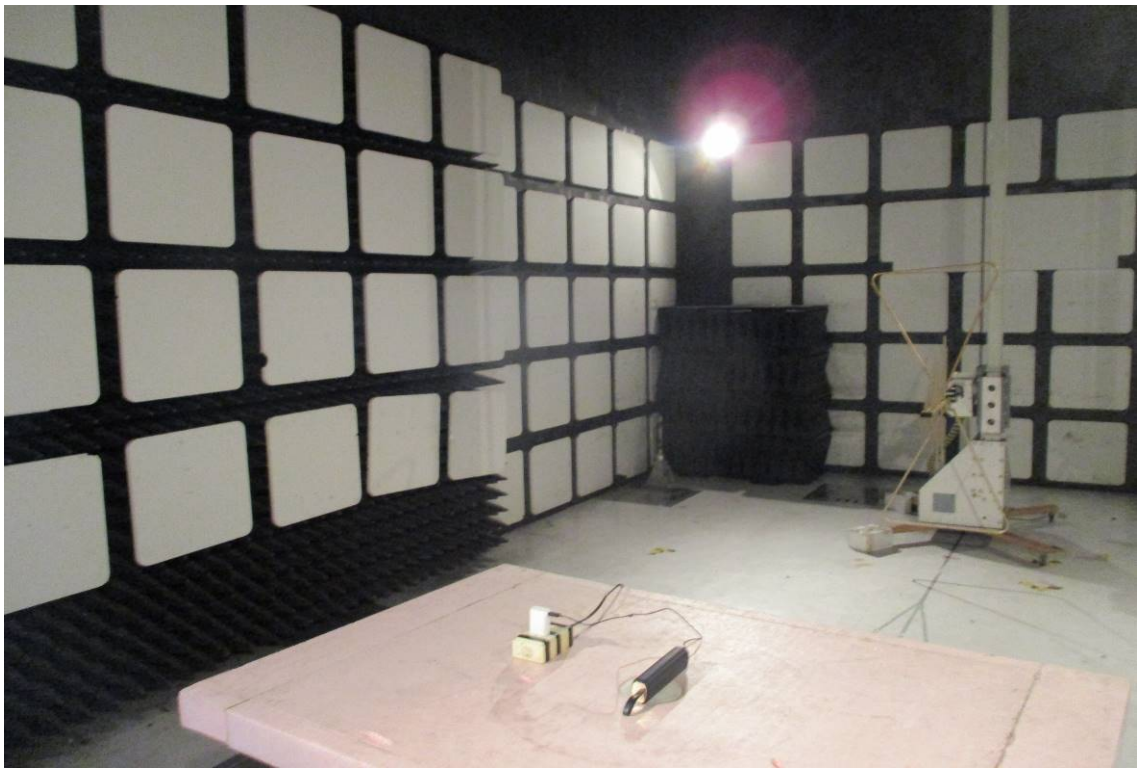
3） 單機



4） 型號：HX9996/12+ADAPTER(WAA1001)

a) 充電盒

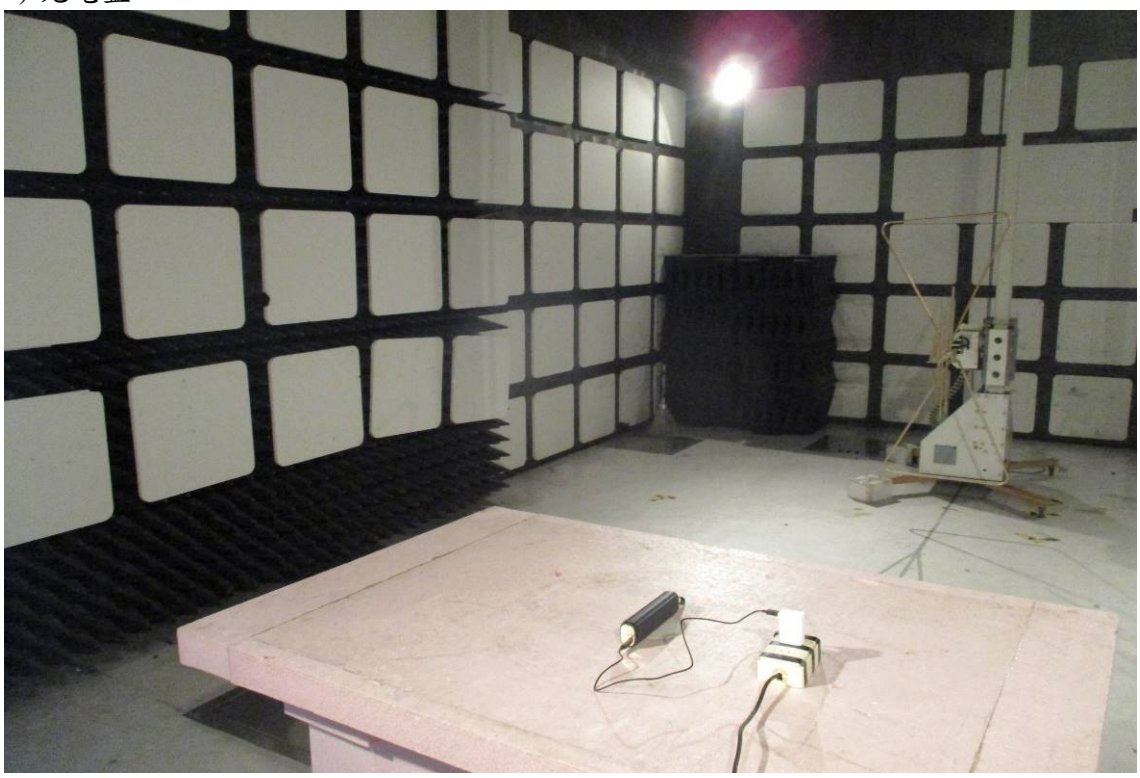


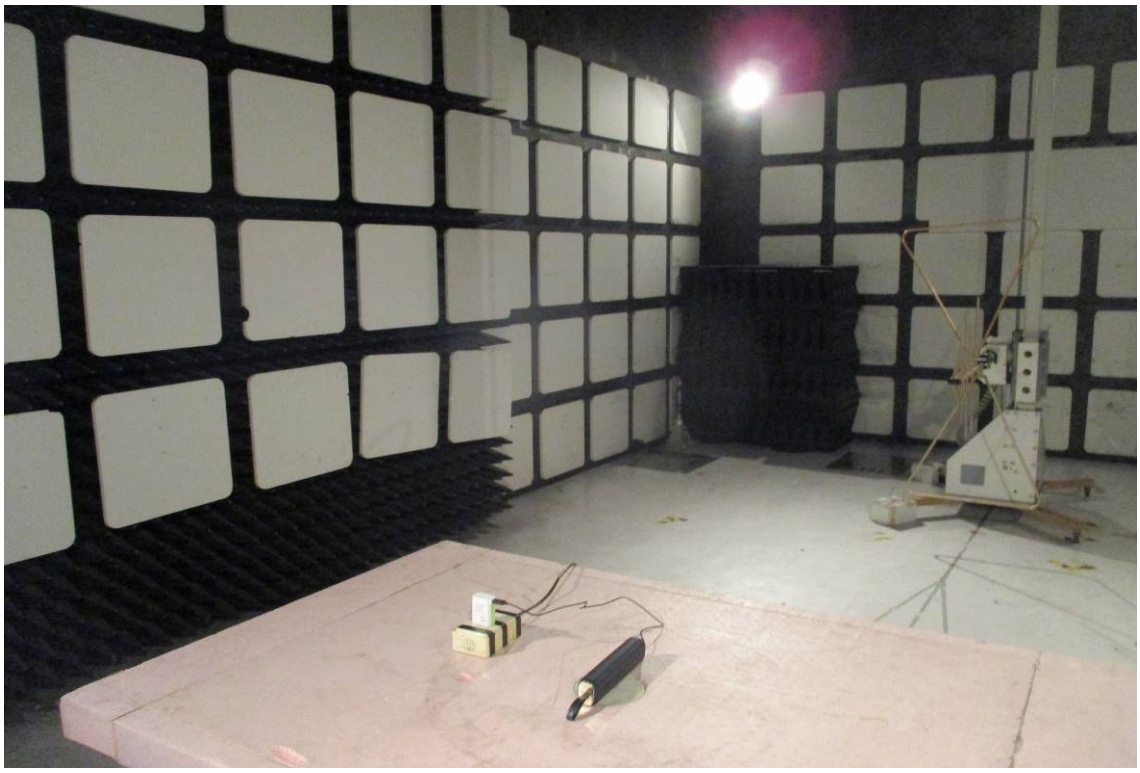


b) 座充

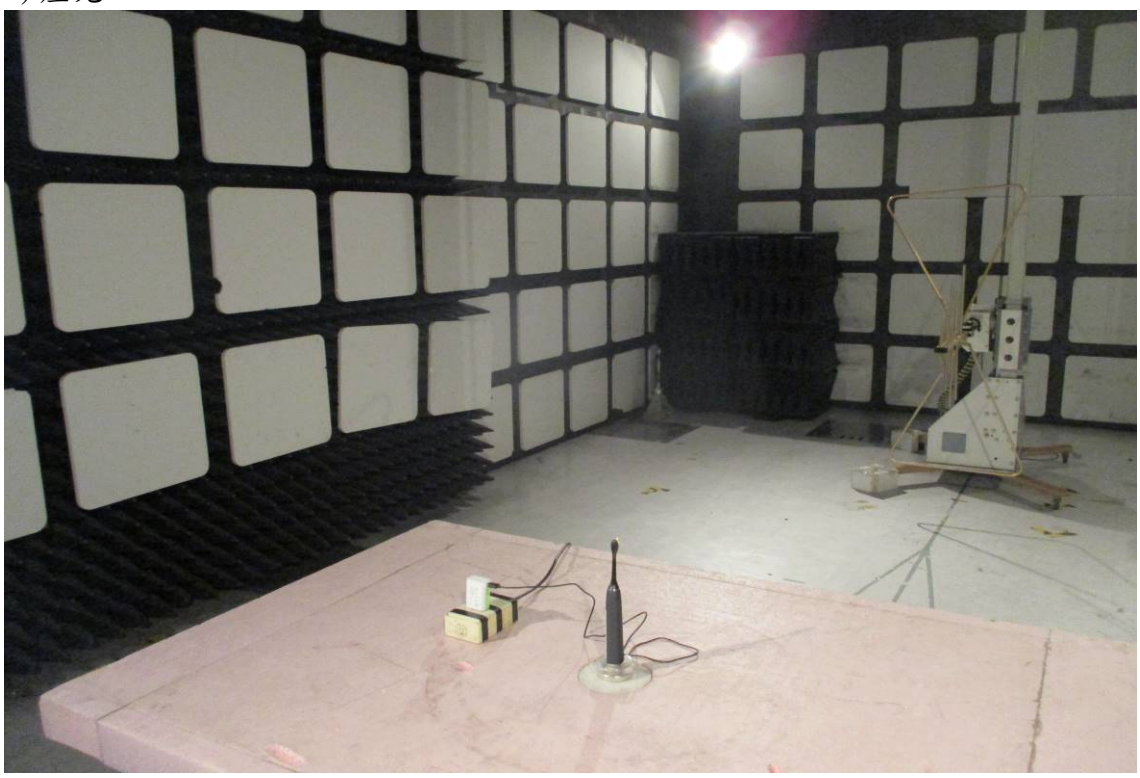
5） 型號：HX9996/12+ADAPTER(HX9200)

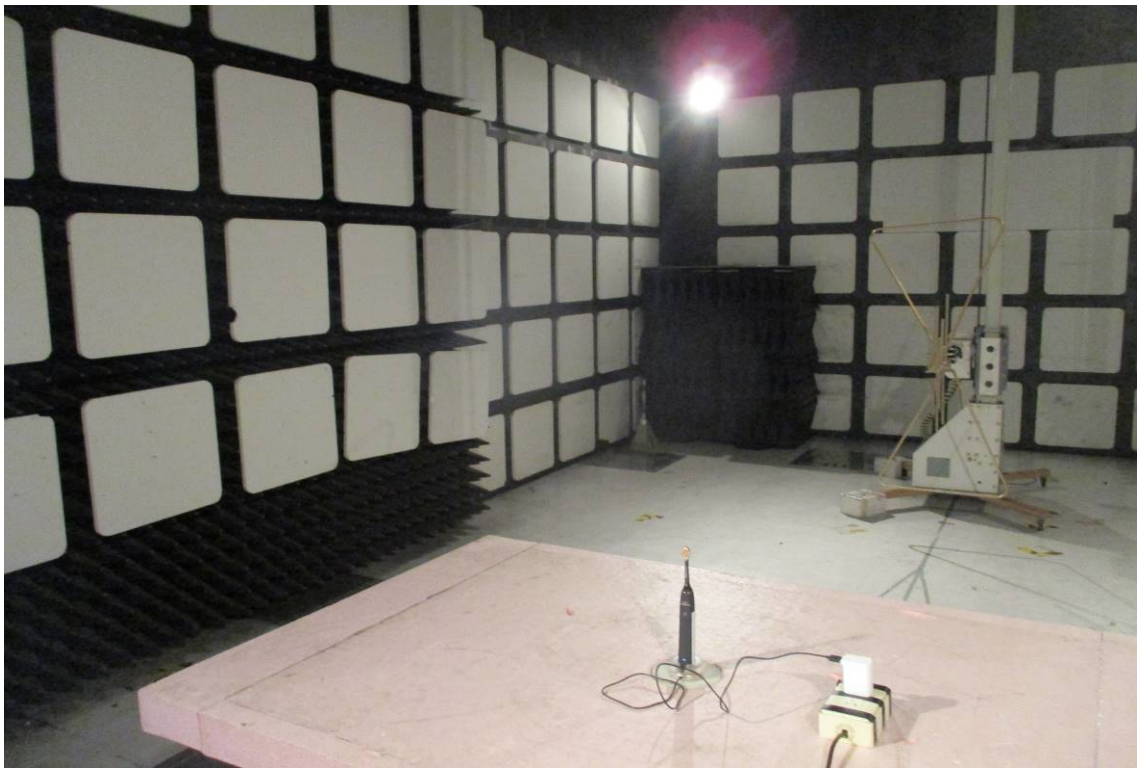
a) 充電盒



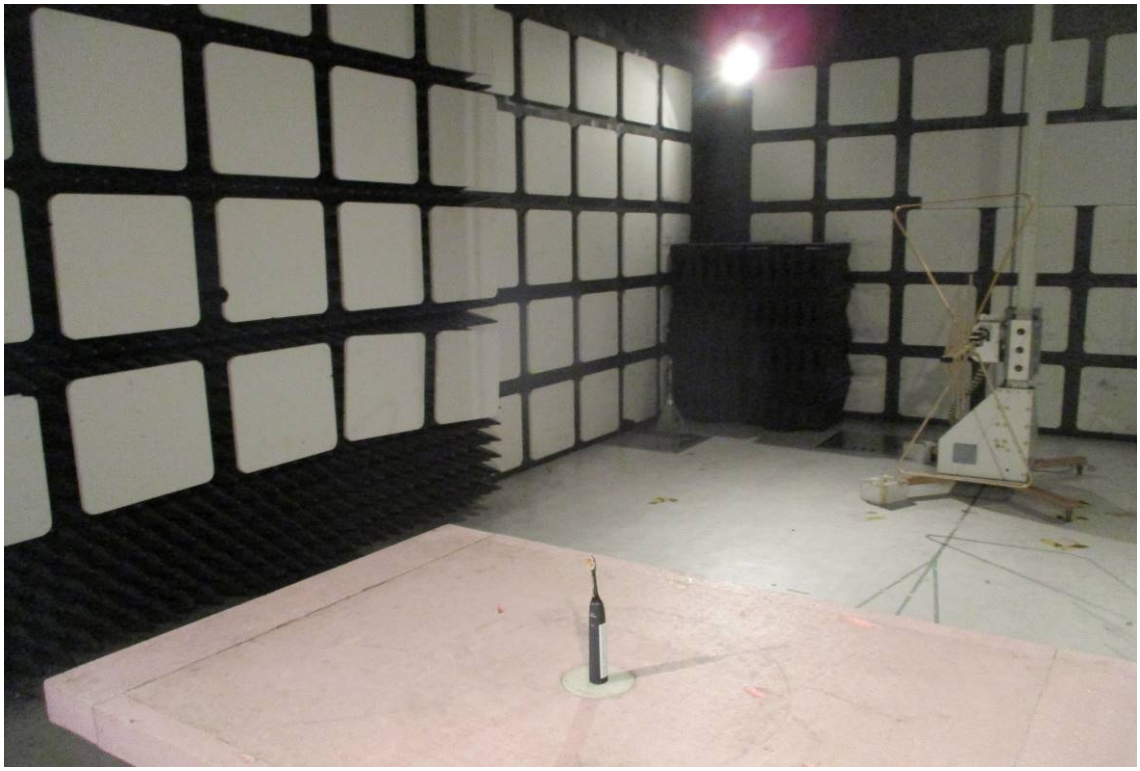


b) 座充



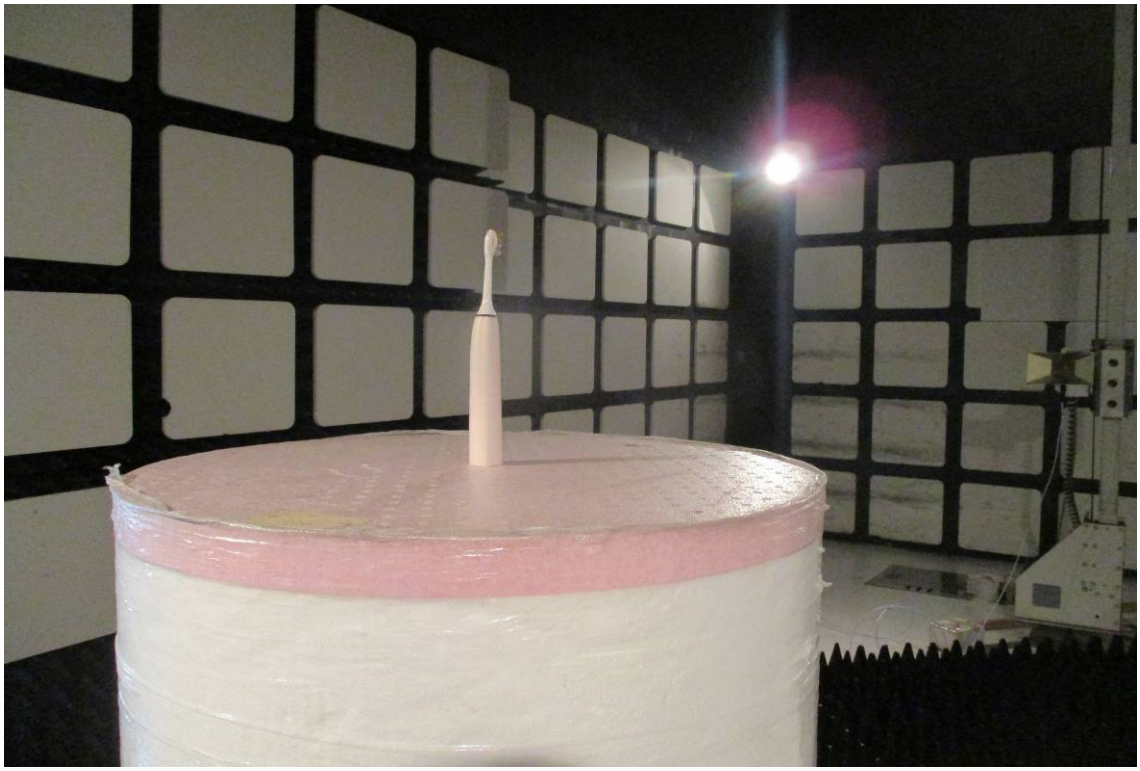


6） 單機

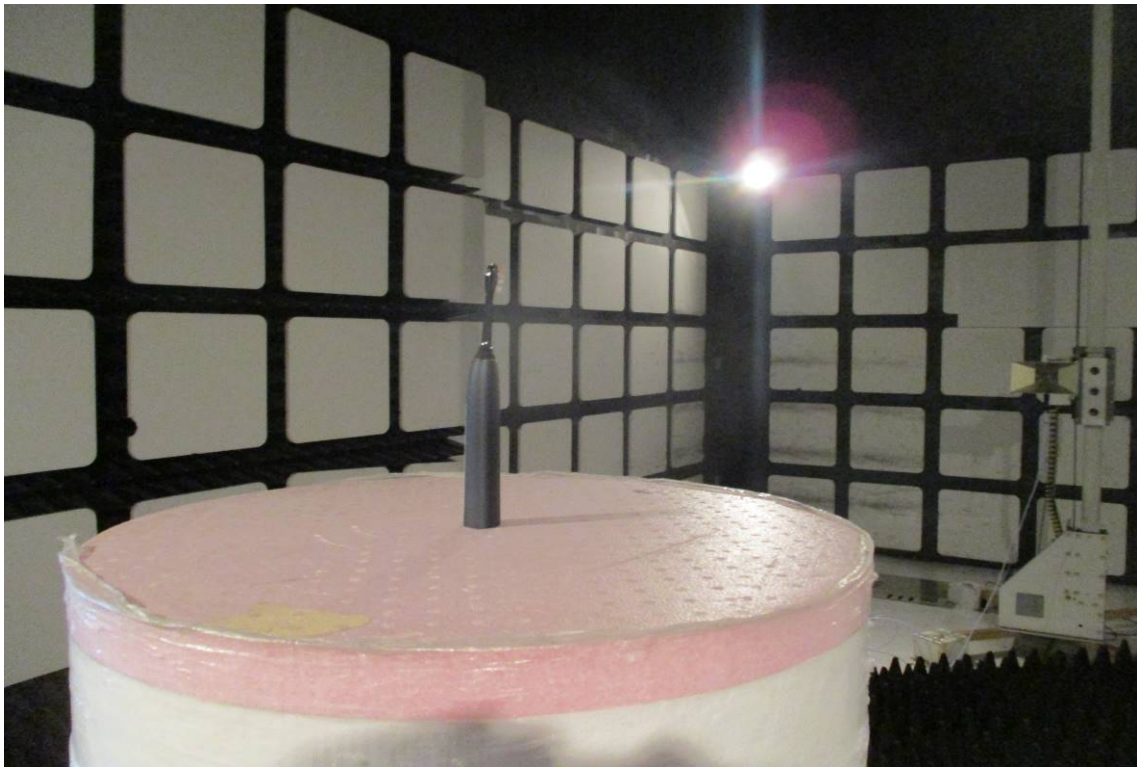


(1-6GHz)

1） 型號：HX9996/11



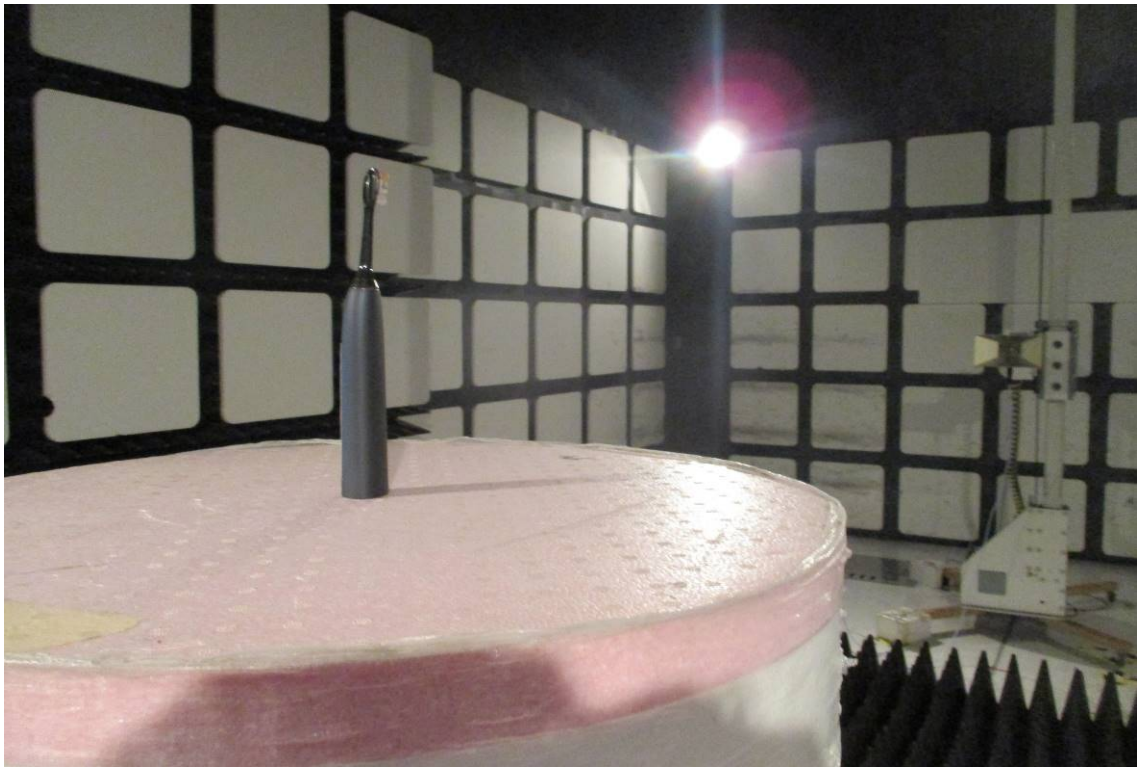
2） 型號：HX9996/12

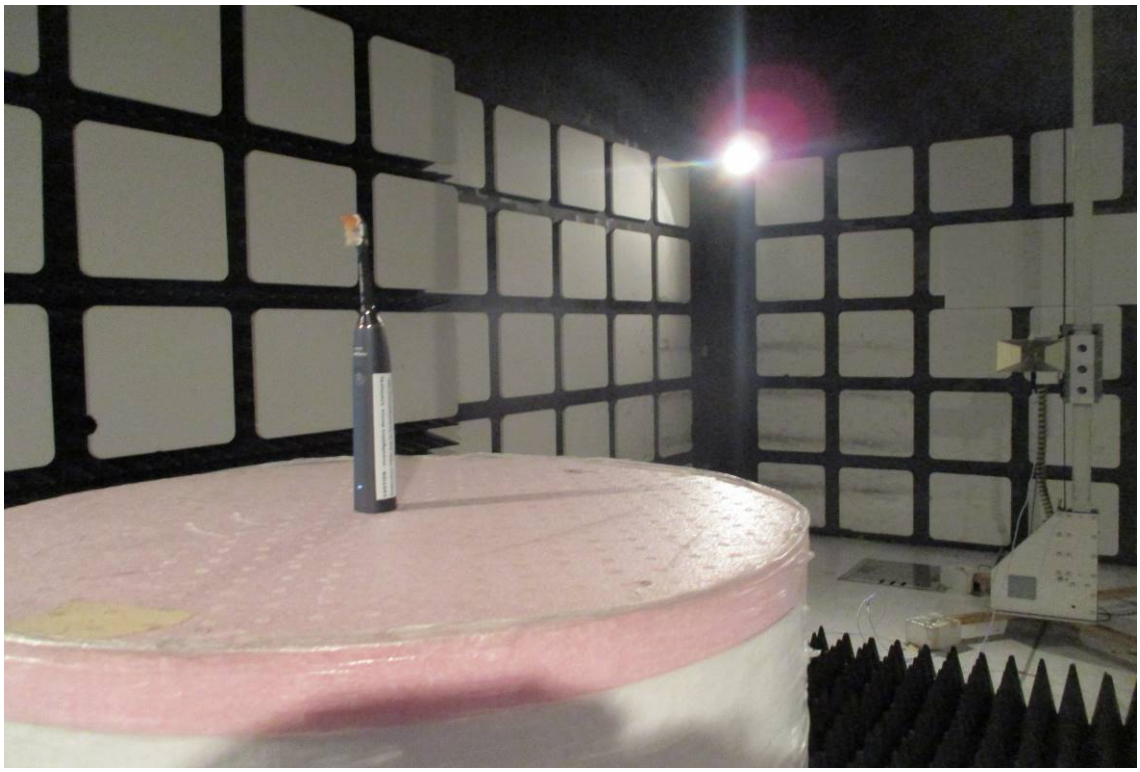


(6~26.5GHz)

1） 型號：HX9996/11

2） 型號：HX9996/12





5 電源線傳導干擾之量測

5.1 適用標準

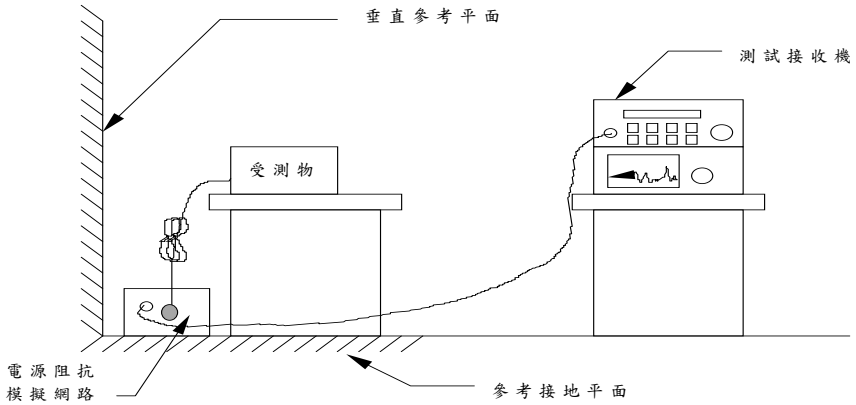
依據低功率射頻器材技術規範3.3節之要求。

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。

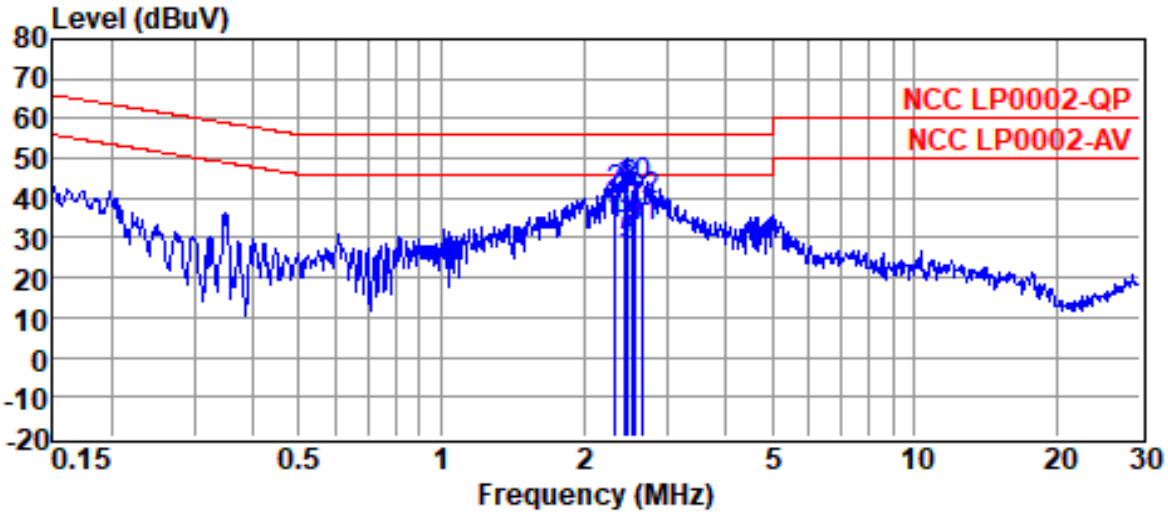
5.3 測試配置

圖 3 : 傳導干擾之量測配置



5.4 傳導干擾之量測結果

1）型號：HX9996/11+Charge Stand+電源供應器(WAA1001)

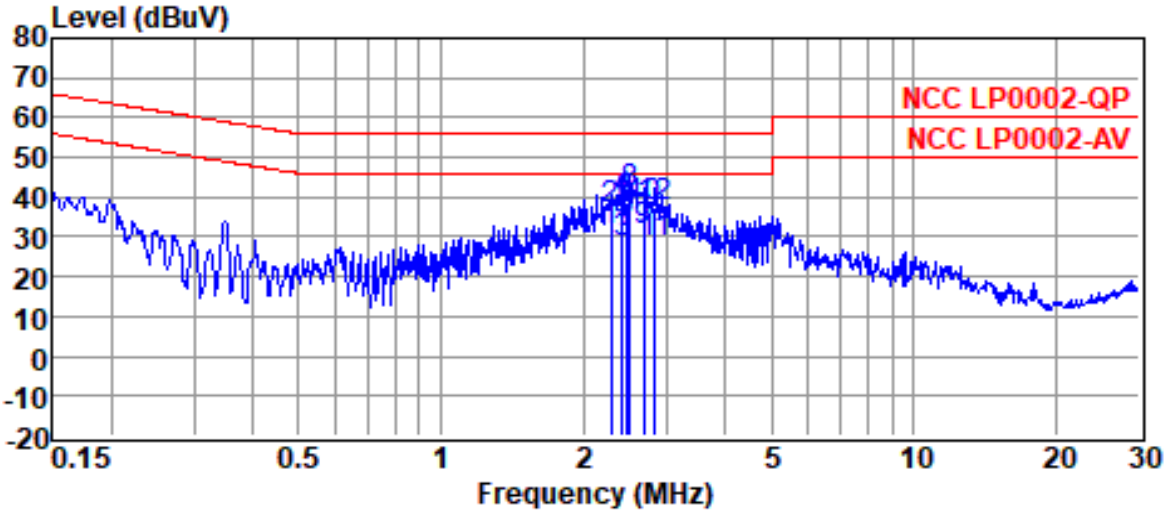


Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA1001)		
Engineer	: Brian Huang	Model	: HX9996/11

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.3340	23.10	10.21	33.31	46.00	-12.69	Average
	2.3340	31.04	10.21	41.25	56.00	-14.75	QP
*	2.4350	24.20	10.22	34.42	46.00	-11.58	Average
	2.4350	32.25	10.22	42.47	56.00	-13.53	QP
	2.4740	17.97	10.22	28.19	46.00	-17.81	Average
	2.4740	30.92	10.22	41.14	56.00	-14.86	QP
	2.5270	19.62	10.22	29.84	46.00	-16.16	Average
	2.5270	31.95	10.22	42.17	56.00	-13.83	QP
	2.5670	22.71	10.22	32.93	46.00	-13.07	Average
	2.5670	32.57	10.22	42.79	56.00	-13.21	QP
	2.6640	22.38	10.22	32.60	46.00	-13.40	Average
	2.6640	29.26	10.22	39.48	56.00	-16.52	QP

Note :

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



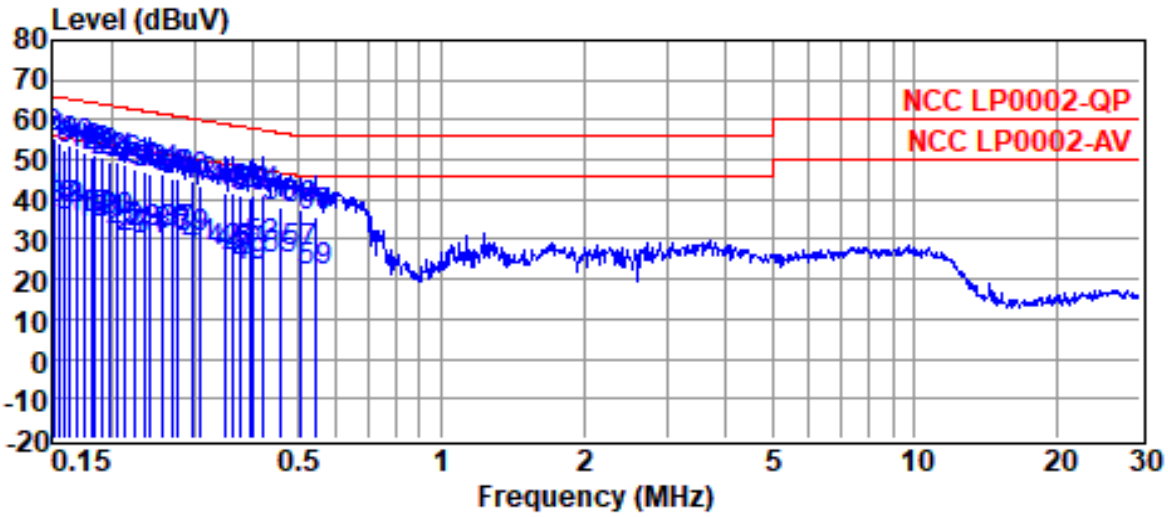
Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA1001)		
Engineer	: Brian Huang	Model	: HX9996/11

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.2850	21.58	10.19	31.77	46.00	-14.23	Average
	2.2850	26.88	10.19	37.07	56.00	-18.93	QP
	2.4220	18.09	10.21	28.30	46.00	-17.70	Average
	2.4220	29.30	10.21	39.51	56.00	-16.49	QP
*	2.4610	23.94	10.21	34.15	46.00	-11.85	Average
	2.4610	28.71	10.21	38.92	56.00	-17.08	QP
	2.5130	23.86	10.21	34.07	46.00	-11.93	Average
	2.5130	30.64	10.21	40.85	56.00	-15.15	QP
	2.6780	21.30	10.21	31.51	46.00	-14.49	Average
	2.6780	27.53	10.21	37.74	56.00	-18.26	QP
	2.8390	18.38	10.21	28.59	46.00	-17.41	Average
	2.8390	27.02	10.21	37.23	56.00	-18.77	QP

Note :

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

2）型號：HX9996/11+Charge Stand+電源供應器(HX9200)



Site	: conducted #1	Date	: 2021-03-12
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 20 ℃ / 65%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/11

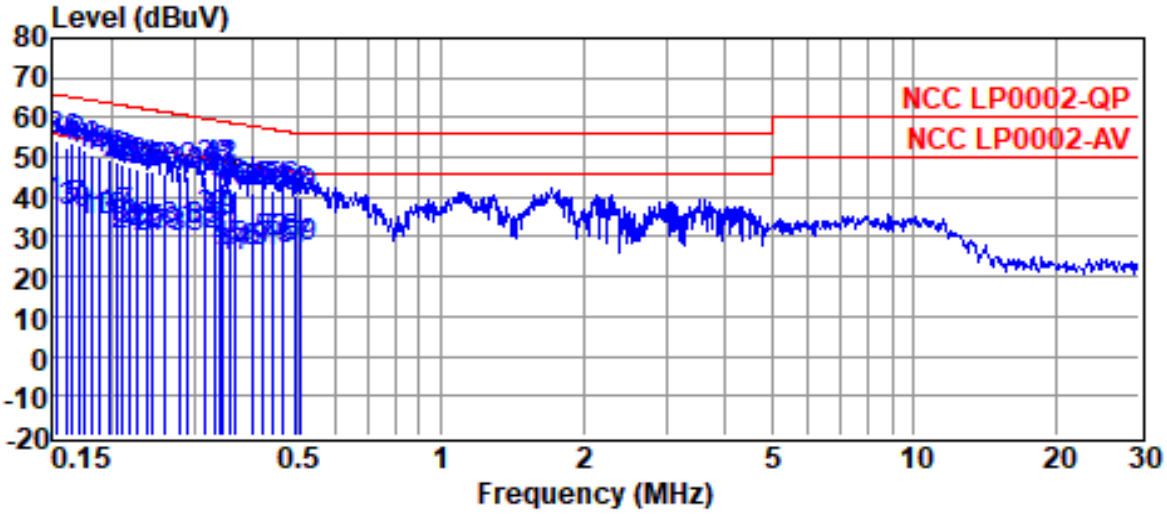
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1516	28.90	10.14	39.04	55.91	-16.87	Average
*	0.1516	45.50	10.14	55.64	65.91	-10.27	QP
	0.1549	27.43	10.14	37.57	55.74	-18.17	Average
	0.1549	43.89	10.14	54.03	65.74	-11.71	QP
	0.1599	25.61	10.14	35.75	55.47	-19.72	Average
	0.1599	42.55	10.14	52.69	65.47	-12.78	QP
	0.1641	27.11	10.13	37.24	55.25	-18.01	Average
	0.1641	43.76	10.13	53.89	65.25	-11.36	QP
	0.1694	27.18	10.13	37.31	54.99	-17.68	Average
	0.1694	43.12	10.13	53.25	64.99	-11.74	QP
	0.1749	25.74	10.13	35.87	54.72	-18.85	Average
	0.1749	41.94	10.13	52.07	64.72	-12.65	QP
	0.1768	24.73	10.13	34.86	54.64	-19.78	Average
	0.1768	41.31	10.13	51.44	64.64	-13.20	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1815	23.66	10.13	33.79	54.42	-20.63	Average
	0.1815	40.58	10.13	50.71	64.42	-13.71	QP
	0.1854	24.80	10.13	34.93	54.24	-19.31	Average
	0.1854	41.37	10.13	51.50	64.24	-12.74	QP
	0.1924	24.19	10.12	34.31	53.93	-19.62	Average
	0.1924	40.71	10.12	50.83	63.93	-13.10	QP
	0.1976	23.83	10.12	33.95	53.71	-19.76	Average
	0.1976	39.20	10.12	49.32	63.71	-14.39	QP
	0.2072	24.42	10.12	34.54	53.32	-18.78	Average
	0.2072	39.15	10.12	49.27	63.32	-14.05	QP
	0.2128	22.05	10.12	32.17	53.10	-20.93	Average
	0.2128	38.78	10.12	48.90	63.10	-14.20	QP
	0.2244	20.44	10.12	30.56	52.66	-22.10	Average
	0.2244	37.51	10.12	47.63	62.66	-15.03	QP
	0.2366	21.43	10.12	31.55	52.22	-20.67	Average
	0.2366	36.99	10.12	47.11	62.22	-15.11	QP
	0.2429	19.57	10.12	29.69	52.00	-22.31	Average
	0.2429	36.25	10.12	46.37	62.00	-15.63	QP
	0.2562	21.52	10.12	31.64	51.56	-19.92	Average
	0.2562	36.13	10.12	46.25	61.56	-15.31	QP
	0.2687	21.02	10.12	31.14	51.16	-20.02	Average
	0.2687	35.43	10.12	45.55	61.16	-15.61	QP
	0.2773	21.61	10.12	31.73	50.90	-19.17	Average
	0.2773	35.29	10.12	45.41	60.90	-15.49	QP
	0.2987	20.18	10.12	30.30	50.28	-19.98	Average
	0.2987	34.50	10.12	44.62	60.28	-15.66	QP
	0.3083	17.63	10.12	27.75	50.02	-22.27	Average
	0.3083	33.36	10.12	43.48	60.02	-16.54	QP
	0.3502	16.68	10.12	26.80	48.96	-22.16	Average
	0.3502	31.57	10.12	41.69	58.96	-17.27	QP
	0.3634	16.22	10.12	26.34	48.65	-22.31	Average
	0.3634	31.55	10.12	41.67	58.65	-16.98	QP
	0.3751	14.24	10.12	24.36	48.39	-24.03	Average
	0.3751	30.86	10.12	40.98	58.39	-17.41	QP
	0.3934	13.27	10.12	23.39	47.99	-24.60	Average
	0.3934	30.47	10.12	40.59	57.99	-17.40	QP
	0.3997	16.49	10.12	26.61	47.86	-21.25	Average
	0.3997	30.94	10.12	41.06	57.86	-16.80	QP
	0.4215	17.77	10.12	27.89	47.42	-19.53	Average
	0.4215	30.70	10.12	40.82	57.42	-16.60	QP
	0.4588	14.72	10.12	24.84	46.71	-21.87	Average
	0.4588	27.90	10.12	38.02	56.71	-18.69	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.5047	16.69	10.12	26.81	46.00	-19.19	Average
	0.5047	27.15	10.12	37.27	56.00	-18.73	QP
	0.5436	12.01	10.12	22.13	46.00	-23.87	Average
	0.5436	25.72	10.12	35.84	56.00	-20.16	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	: 2021-03-12
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 20 ℃ / 65%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/11

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1532	28.18	10.13	38.31	55.82	-17.51	Average
*	0.1532	44.14	10.13	54.27	65.82	-11.55	QP
	0.1624	26.12	10.13	36.25	55.34	-19.09	Average
	0.1624	42.60	10.13	52.73	65.34	-12.61	QP
	0.1659	26.89	10.13	37.02	55.16	-18.14	Average
	0.1659	43.40	10.13	53.53	65.16	-11.63	QP
	0.1712	26.55	10.13	36.68	54.90	-18.22	Average
	0.1712	42.89	10.13	53.02	64.90	-11.88	QP
	0.1749	25.48	10.13	35.61	54.72	-19.11	Average
	0.1749	41.48	10.13	51.61	64.72	-13.11	QP
	0.1825	23.58	10.12	33.70	54.37	-20.67	Average
	0.1825	40.30	10.12	50.42	64.37	-13.95	QP
	0.1904	24.05	10.12	34.17	54.02	-19.85	Average
	0.1904	40.21	10.12	50.33	64.02	-13.69	QP
	0.1976	23.72	10.12	33.84	53.71	-19.87	Average
	0.1976	39.40	10.12	49.52	63.71	-14.19	QP

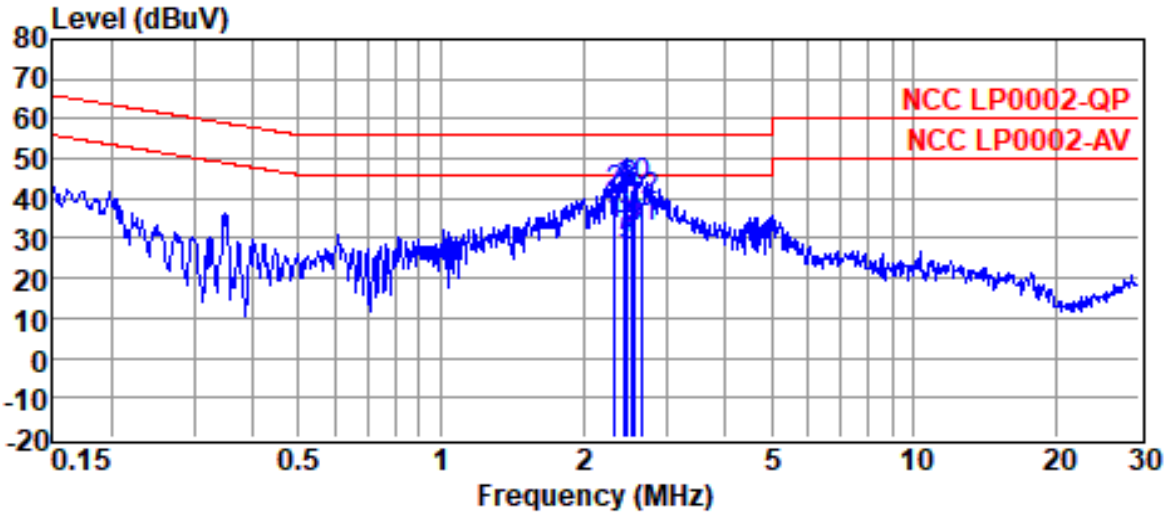
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2051	25.23	10.12	35.35	53.40	-18.05	Average
	0.2051	39.03	10.12	49.15	63.40	-14.25	QP
	0.2117	21.80	10.12	31.92	53.14	-21.22	Average
	0.2117	38.37	10.12	48.49	63.14	-14.65	QP
	0.2197	20.09	10.12	30.21	52.83	-22.62	Average
	0.2197	37.55	10.12	47.67	62.83	-15.16	QP
	0.2280	21.13	10.12	31.25	52.52	-21.27	Average
	0.2280	37.19	10.12	47.31	62.52	-15.21	QP
	0.2391	20.53	10.12	30.65	52.13	-21.48	Average
	0.2391	36.37	10.12	46.49	62.13	-15.64	QP
	0.2455	19.82	10.12	29.94	51.91	-21.97	Average
	0.2455	36.35	10.12	46.47	61.91	-15.44	QP
	0.2616	20.40	10.12	30.52	51.38	-20.86	Average
	0.2616	35.74	10.12	45.86	61.38	-15.52	QP
	0.2803	21.23	10.12	31.35	50.81	-19.46	Average
	0.2803	36.05	10.12	46.17	60.81	-14.64	QP
	0.2909	19.79	10.12	29.91	50.50	-20.59	Average
	0.2909	34.89	10.12	45.01	60.50	-15.49	QP
	0.3166	21.48	10.11	31.59	49.80	-18.21	Average
	0.3166	35.06	10.11	45.17	59.80	-14.63	QP
	0.3303	24.63	10.11	34.74	49.44	-14.70	Average
	0.3303	36.74	10.11	46.85	59.44	-12.59	QP
	0.3392	23.64	10.11	33.75	49.22	-15.47	Average
	0.3392	23.69	10.11	33.80	49.22	-15.42	Average
	0.3392	37.15	10.11	47.26	59.22	-11.96	QP
	0.3392	37.01	10.11	47.12	59.22	-12.10	QP
	0.3465	18.91	10.11	29.02	49.05	-20.03	Average
	0.3465	33.43	10.11	43.54	59.05	-15.51	QP
	0.3577	16.81	10.11	26.92	48.78	-21.86	Average
	0.3577	32.42	10.11	42.53	58.78	-16.25	QP
	0.3653	15.01	10.11	25.12	48.61	-23.49	Average
	0.3653	31.46	10.11	41.57	58.61	-17.04	QP
	0.3997	16.10	10.11	26.21	47.86	-21.65	Average
	0.3997	30.96	10.11	41.07	57.86	-16.79	QP
	0.4193	16.17	10.11	26.28	47.46	-21.18	Average
	0.4193	30.89	10.11	41.00	57.46	-16.46	QP
	0.4421	18.21	10.11	28.32	47.02	-18.70	Average
	0.4421	31.75	10.11	41.86	57.02	-15.16	QP
	0.4637	18.52	10.11	28.63	46.63	-18.00	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.4637	31.28	10.11	41.39	56.63	-15.24	QP
	0.4889	16.63	10.11	26.74	46.19	-19.45	Average
	0.4889	30.57	10.11	40.68	56.19	-15.51	QP
	0.5047	17.03	10.11	27.14	46.00	-18.86	Average
	0.5047	29.61	10.11	39.72	56.00	-16.28	QP

Note :

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

3）型號：HX9996/11+Charge Box+電源供應器(WAA1001)

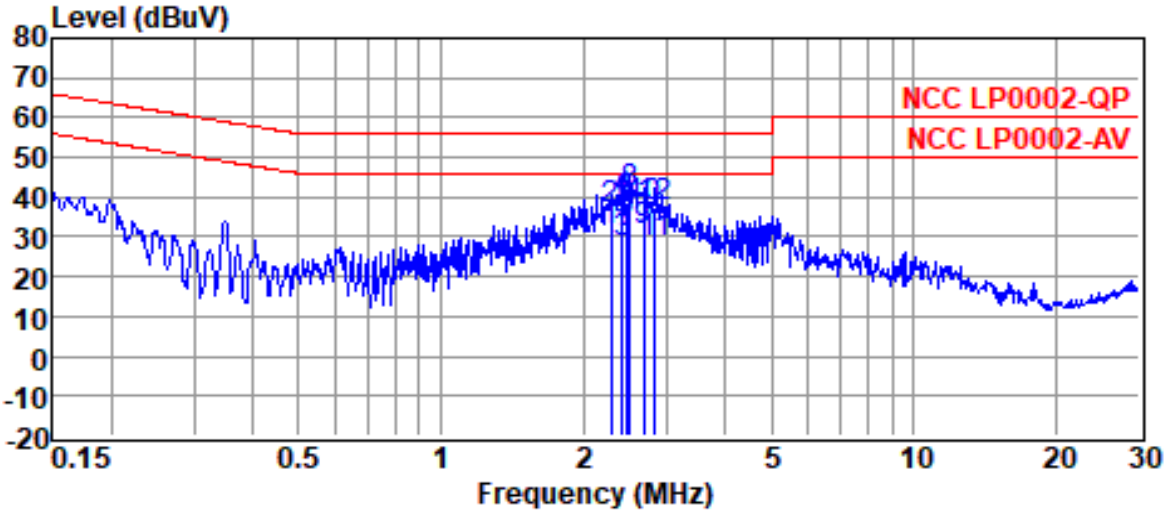


Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA1001)		
Engineer	: Brian Huang	Model	: HX9996/11

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.3340	23.10	10.21	33.31	46.00	-12.69	Average
	2.3340	31.04	10.21	41.25	56.00	-14.75	QP
*	2.4350	24.20	10.22	34.42	46.00	-11.58	Average
	2.4350	32.25	10.22	42.47	56.00	-13.53	QP
	2.4740	17.97	10.22	28.19	46.00	-17.81	Average
	2.4740	30.92	10.22	41.14	56.00	-14.86	QP
	2.5270	19.62	10.22	29.84	46.00	-16.16	Average
	2.5270	31.95	10.22	42.17	56.00	-13.83	QP
	2.5670	22.71	10.22	32.93	46.00	-13.07	Average
	2.5670	32.57	10.22	42.79	56.00	-13.21	QP
	2.6640	22.38	10.22	32.60	46.00	-13.40	Average
	2.6640	29.26	10.22	39.48	56.00	-16.52	QP

Note :

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



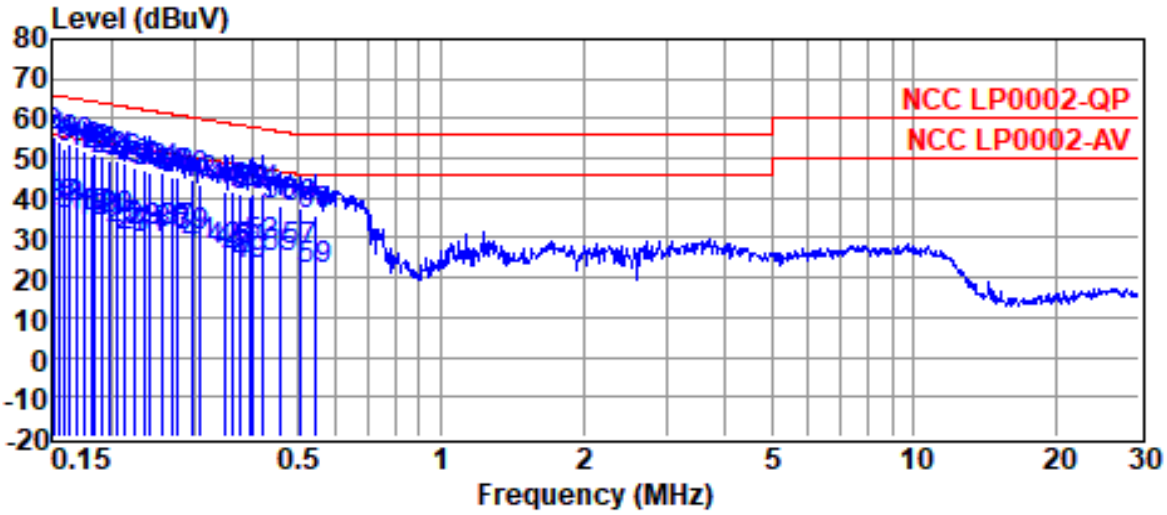
Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA1001)		
Engineer	: Brian Huang	Model	: HX9996/11

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.2850	21.58	10.19	31.77	46.00	-14.23	Average
	2.2850	26.88	10.19	37.07	56.00	-18.93	QP
	2.4220	18.09	10.21	28.30	46.00	-17.70	Average
	2.4220	29.30	10.21	39.51	56.00	-16.49	QP
*	2.4610	23.94	10.21	34.15	46.00	-11.85	Average
	2.4610	28.71	10.21	38.92	56.00	-17.08	QP
	2.5130	23.86	10.21	34.07	46.00	-11.93	Average
	2.5130	30.64	10.21	40.85	56.00	-15.15	QP
	2.6780	21.30	10.21	31.51	46.00	-14.49	Average
	2.6780	27.53	10.21	37.74	56.00	-18.26	QP
	2.8390	18.38	10.21	28.59	46.00	-17.41	Average
	2.8390	27.02	10.21	37.23	56.00	-18.77	QP

Note :

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

4）型號：HX9996/11+ Charge Box +電源供應器(HX9200)



Site	: conducted #1	Date	: 2021-03-12
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 20 ℃ / 65%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/11

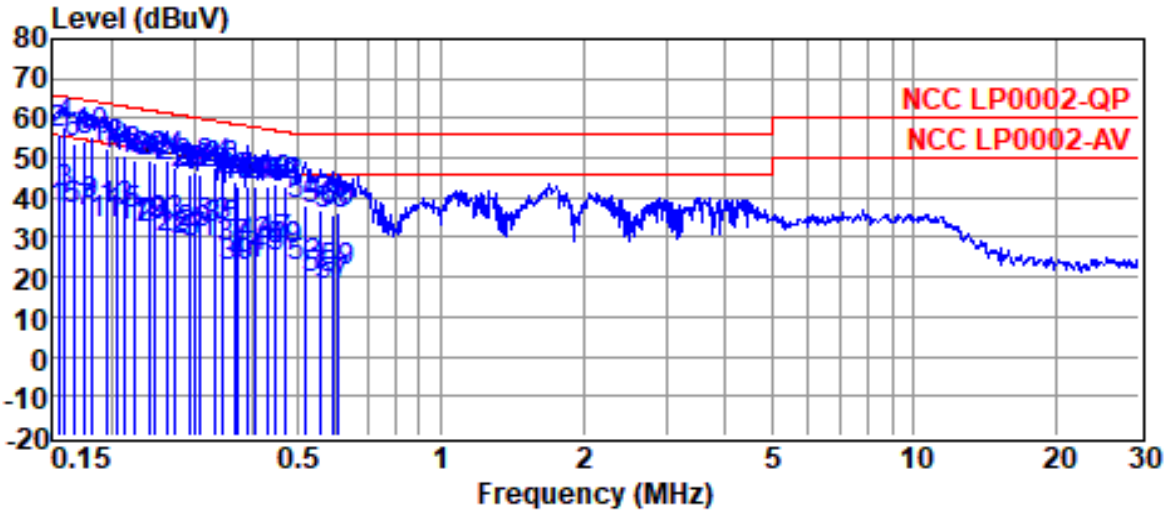
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1516	28.90	10.14	39.04	55.91	-16.87	Average
*	0.1516	45.50	10.14	55.64	65.91	-10.27	QP
	0.1549	27.43	10.14	37.57	55.74	-18.17	Average
	0.1549	43.89	10.14	54.03	65.74	-11.71	QP
	0.1599	25.61	10.14	35.75	55.47	-19.72	Average
	0.1599	42.55	10.14	52.69	65.47	-12.78	QP
	0.1641	27.11	10.13	37.24	55.25	-18.01	Average
	0.1641	43.76	10.13	53.89	65.25	-11.36	QP
	0.1694	27.18	10.13	37.31	54.99	-17.68	Average
	0.1694	43.12	10.13	53.25	64.99	-11.74	QP
	0.1749	25.74	10.13	35.87	54.72	-18.85	Average
	0.1749	41.94	10.13	52.07	64.72	-12.65	QP
	0.1768	24.73	10.13	34.86	54.64	-19.78	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1768	41.31	10.13	51.44	64.64	-13.20	QP
	0.1815	23.66	10.13	33.79	54.42	-20.63	Average
	0.1815	40.58	10.13	50.71	64.42	-13.71	QP
	0.1854	24.80	10.13	34.93	54.24	-19.31	Average
	0.1854	41.37	10.13	51.50	64.24	-12.74	QP
	0.1924	24.19	10.12	34.31	53.93	-19.62	Average
	0.1924	40.71	10.12	50.83	63.93	-13.10	QP
	0.1976	23.83	10.12	33.95	53.71	-19.76	Average
	0.1976	39.20	10.12	49.32	63.71	-14.39	QP
	0.2072	24.42	10.12	34.54	53.32	-18.78	Average
	0.2072	39.15	10.12	49.27	63.32	-14.05	QP
	0.2128	22.05	10.12	32.17	53.10	-20.93	Average
	0.2128	38.78	10.12	48.90	63.10	-14.20	QP
	0.2244	20.44	10.12	30.56	52.66	-22.10	Average
	0.2244	37.51	10.12	47.63	62.66	-15.03	QP
	0.2366	21.43	10.12	31.55	52.22	-20.67	Average
	0.2366	36.99	10.12	47.11	62.22	-15.11	QP
	0.2429	19.57	10.12	29.69	52.00	-22.31	Average
	0.2429	36.25	10.12	46.37	62.00	-15.63	QP
	0.2562	21.52	10.12	31.64	51.56	-19.92	Average
	0.2562	36.13	10.12	46.25	61.56	-15.31	QP
	0.2687	21.02	10.12	31.14	51.16	-20.02	Average
	0.2687	35.43	10.12	45.55	61.16	-15.61	QP
	0.2773	21.61	10.12	31.73	50.90	-19.17	Average
	0.2773	35.29	10.12	45.41	60.90	-15.49	QP
	0.2987	20.18	10.12	30.30	50.28	-19.98	Average
	0.2987	34.50	10.12	44.62	60.28	-15.66	QP
	0.3083	17.63	10.12	27.75	50.02	-22.27	Average
	0.3083	33.36	10.12	43.48	60.02	-16.54	QP
	0.3502	16.68	10.12	26.80	48.96	-22.16	Average
	0.3502	31.57	10.12	41.69	58.96	-17.27	QP
	0.3634	16.22	10.12	26.34	48.65	-22.31	Average
	0.3634	31.55	10.12	41.67	58.65	-16.98	QP
	0.3751	14.24	10.12	24.36	48.39	-24.03	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.3751	30.86	10.12	40.98	58.39	-17.41	QP
	0.3934	13.27	10.12	23.39	47.99	-24.60	Average
	0.3934	30.47	10.12	40.59	57.99	-17.40	QP
	0.3997	16.49	10.12	26.61	47.86	-21.25	Average
	0.3997	30.94	10.12	41.06	57.86	-16.80	QP
	0.4215	17.77	10.12	27.89	47.42	-19.53	Average
	0.4215	30.70	10.12	40.82	57.42	-16.60	QP
	0.4588	14.72	10.12	24.84	46.71	-21.87	Average
	0.4588	27.90	10.12	38.02	56.71	-18.69	QP
	0.5047	16.69	10.12	26.81	46.00	-19.19	Average
	0.5047	27.15	10.12	37.27	56.00	-18.73	QP
	0.5436	12.01	10.12	22.13	46.00	-23.87	Average
	0.5436	25.72	10.12	35.84	56.00	-20.16	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	: 2021-03-12
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 20 ℃ / 65%		
Test Mode	: Charge Box Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/11

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1549	26.97	10.13	37.10	55.74	-18.64	Average
	0.1549	46.11	10.13	56.24	65.74	-9.50	QP
	0.1599	30.83	10.13	40.96	55.47	-14.51	Average
*	0.1599	47.50	10.13	57.63	65.47	-7.84	QP
	0.1668	26.79	10.13	36.92	55.12	-18.20	Average
	0.1668	43.31	10.13	53.44	65.12	-11.68	QP
	0.1768	26.10	10.12	36.22	54.64	-18.42	Average
	0.1768	44.36	10.12	54.48	64.64	-10.16	QP
	0.1815	28.07	10.12	38.19	54.42	-16.23	Average
	0.1815	45.29	10.12	55.41	64.42	-9.01	QP
	0.1955	23.05	10.12	33.17	53.80	-20.63	Average
	0.1955	42.11	10.12	52.23	63.80	-11.57	QP
	0.2072	26.60	10.12	36.72	53.32	-16.60	Average
	0.2072	40.80	10.12	50.92	63.32	-12.40	QP
	0.2151	25.47	10.12	35.59	53.01	-17.42	Average
	0.2151	40.59	10.12	50.71	63.01	-12.30	QP

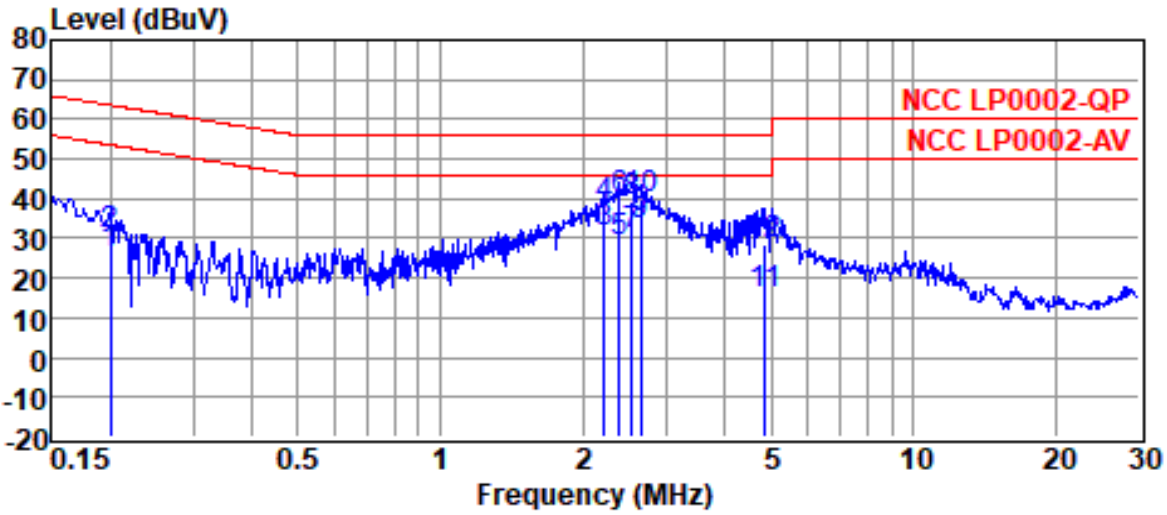
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2244	22.70	10.12	32.82	52.66	-19.84	Average
	0.2244	39.51	10.12	49.63	62.66	-13.03	QP
	0.2404	22.85	10.12	32.97	52.08	-19.11	Average
	0.2404	39.34	10.12	49.46	62.08	-12.62	QP
	0.2481	21.76	10.12	31.88	51.82	-19.94	Average
	0.2481	38.50	10.12	48.62	61.82	-13.20	QP
	0.2630	23.07	10.12	33.19	51.34	-18.15	Average
	0.2630	39.31	10.12	49.43	61.34	-11.91	QP
	0.2730	19.68	10.12	29.80	51.03	-21.23	Average
	0.2730	37.68	10.12	47.80	61.03	-13.23	QP
	0.2955	18.70	10.12	28.82	50.37	-21.55	Average
	0.2955	35.92	10.12	46.04	60.37	-14.33	QP
	0.3003	20.75	10.11	30.86	50.24	-19.38	Average
	0.3003	36.14	10.11	46.25	60.24	-13.99	QP
	0.3100	18.66	10.11	28.77	49.97	-21.20	Average
	0.3100	35.69	10.11	45.80	59.97	-14.17	QP
	0.3339	22.83	10.11	32.94	49.35	-16.41	Average
	0.3339	37.62	10.11	47.73	59.35	-11.62	QP
	0.3465	21.99	10.11	32.10	49.05	-16.95	Average
	0.3465	36.77	10.11	46.88	59.05	-12.17	QP
	0.3673	16.92	10.11	27.03	48.56	-21.53	Average
	0.3673	33.81	10.11	43.92	58.56	-14.64	QP
	0.3731	12.53	10.11	22.64	48.43	-25.79	Average
	0.3731	32.51	10.11	42.62	58.43	-15.81	QP
	0.3914	12.95	10.11	23.06	48.03	-24.97	Average
	0.3914	32.66	10.11	42.77	58.03	-15.26	QP
	0.4062	17.63	10.11	27.74	47.73	-19.99	Average
	0.4062	32.97	10.11	43.08	57.73	-14.65	QP
	0.4305	14.97	10.11	25.08	47.24	-22.16	Average
	0.4305	32.58	10.11	42.69	57.24	-14.55	QP
	0.4468	18.47	10.11	28.58	46.93	-18.35	Average
	0.4468	33.18	10.11	43.29	56.93	-13.64	QP
	0.4686	16.76	10.11	26.87	46.54	-19.67	Average
	0.4686	16.86	10.11	26.97	46.54	-19.57	Average
	0.4686	32.76	10.11	42.87	56.54	-13.67	QP
	0.4686	32.57	10.11	42.68	56.54	-13.86	QP
	0.5182	12.55	10.11	22.66	46.00	-23.34	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.5182	28.27	10.11	38.38	56.00	-17.62	QP
	0.5552	9.25	10.12	19.37	46.00	-26.63	Average
	0.5552	26.99	10.12	37.11	56.00	-18.89	QP
	0.5916	7.85	10.12	17.97	46.00	-28.03	Average
	0.5916	25.69	10.12	35.81	56.00	-20.19	QP
	0.6075	10.99	10.12	21.11	46.00	-24.89	Average
	0.6075	26.06	10.12	36.18	56.00	-19.82	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）型號：HX9996/12+Charge Stand+電源供應器(WAA2001)

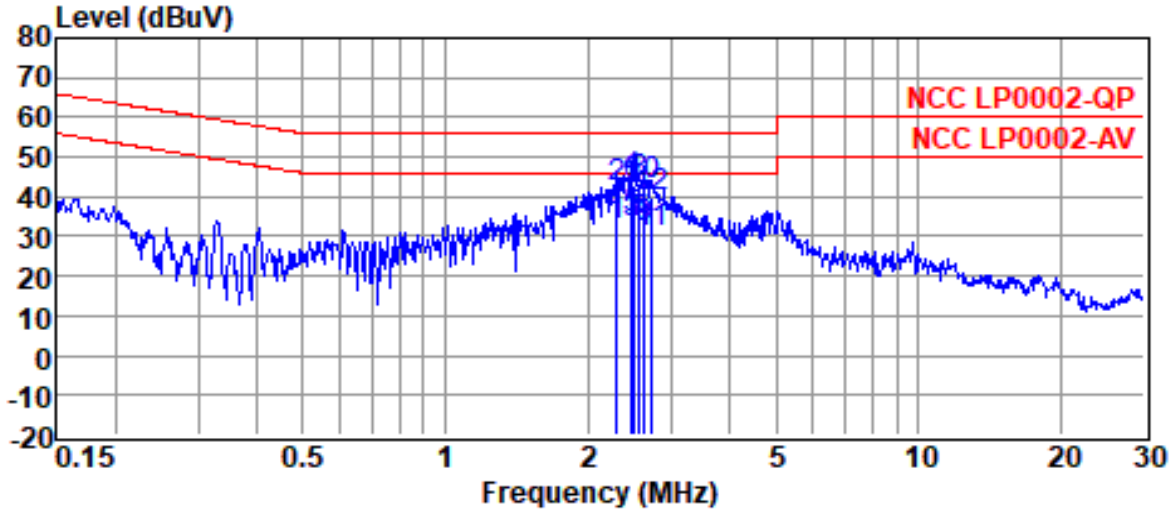


Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA2001)		
Engineer	: Brian Huang	Model	: HX9996/12

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2008	16.21	10.12	26.33	53.58	-27.25	Average
	0.2008	20.74	10.12	30.86	63.58	-32.72	QP
	2.2250	21.03	10.20	31.23	46.00	-14.77	Average
	2.2250	27.89	10.20	38.09	56.00	-17.91	QP
	2.3960	18.78	10.22	29.00	46.00	-17.00	Average
	2.3960	29.53	10.22	39.75	56.00	-16.25	QP
	2.5400	20.77	10.22	30.99	46.00	-15.01	Average
	2.5400	29.13	10.22	39.35	56.00	-16.65	QP
*	2.6500	22.88	10.22	33.10	46.00	-12.90	Average
	2.6500	29.53	10.22	39.75	56.00	-16.25	QP
	4.8480	5.87	10.27	16.14	46.00	-29.86	Average
	4.8480	17.95	10.27	28.22	56.00	-27.78	QP

Note :

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



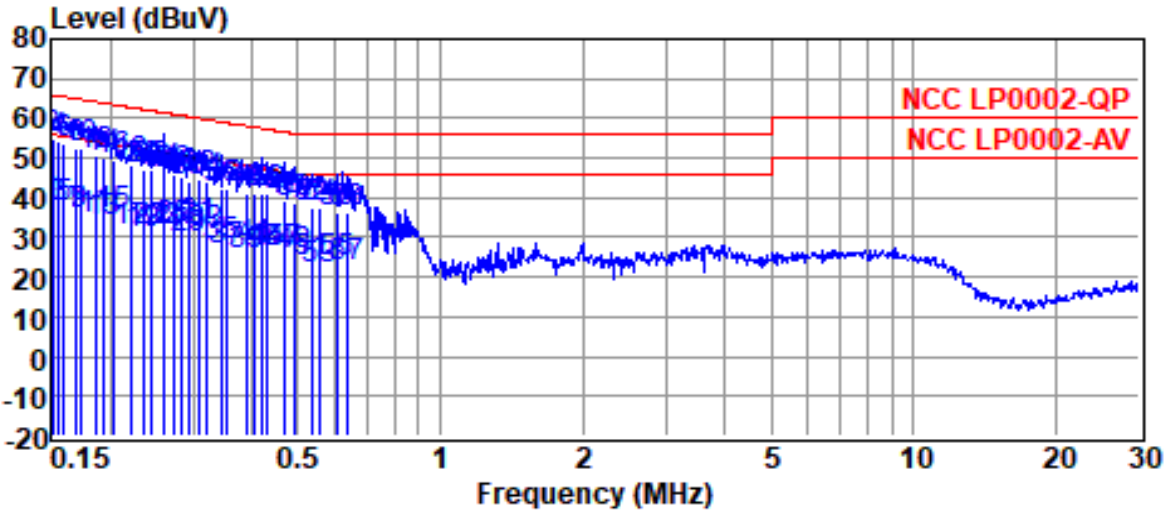
Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA2001)		
Engineer	: Brian Huang	Model	: HX9996/12

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.3090	22.42	10.19	32.61	46.00	-13.39	Average
	2.3090	32.22	10.19	42.41	56.00	-13.59	QP
	2.4740	23.37	10.21	33.58	46.00	-12.42	Average
	2.4740	33.84	10.21	44.05	56.00	-11.95	QP
*	2.5000	24.41	10.21	34.62	46.00	-11.38	Average
	2.5000	32.72	10.21	42.93	56.00	-13.07	QP
	2.5670	23.04	10.21	33.25	46.00	-12.75	Average
	2.5670	33.06	10.21	43.27	56.00	-12.73	QP
	2.6360	21.91	10.21	32.12	46.00	-13.88	Average
	2.6360	32.42	10.21	42.63	56.00	-13.37	QP
	2.7360	20.55	10.21	30.76	46.00	-15.24	Average
	2.7360	29.65	10.21	39.86	56.00	-16.14	QP

Note :

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

6）型號：HX9996/12+Charge Stand+電源供應器(HX9200)



Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/12

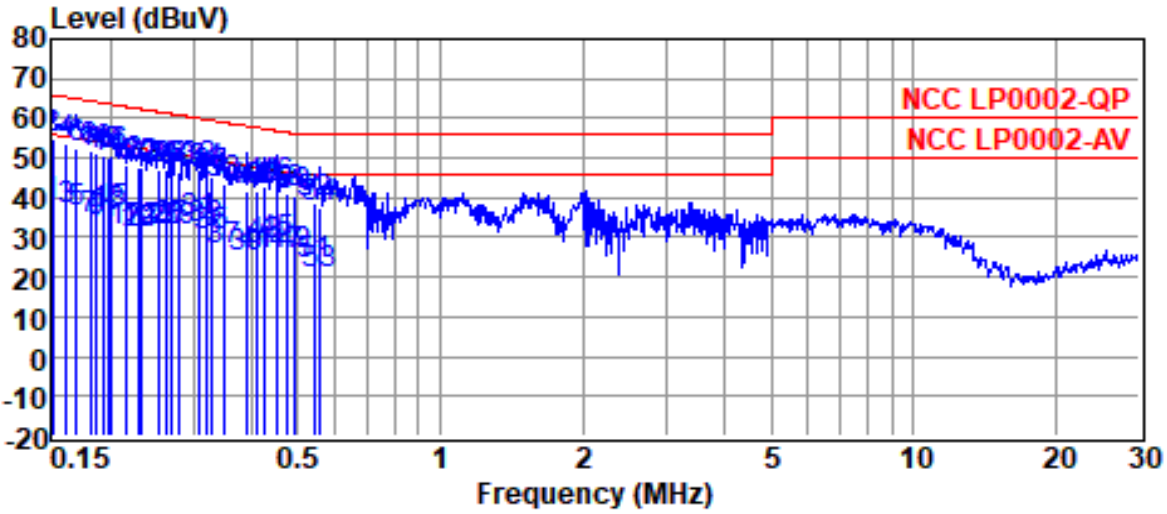
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1516	27.78	10.14	37.92	55.91	-17.99	Average
*	0.1516	44.64	10.14	54.78	65.91	-11.13	QP
	0.1565	27.58	10.14	37.72	55.65	-17.93	Average
	0.1565	43.94	10.14	54.08	65.65	-11.57	QP
	0.1599	27.20	10.14	37.34	55.47	-18.13	Average
	0.1599	43.68	10.14	53.82	65.47	-11.65	QP
	0.1703	25.77	10.13	35.90	54.94	-19.04	Average
	0.1703	42.54	10.13	52.67	64.94	-12.27	QP
	0.1731	25.52	10.13	35.65	54.81	-19.16	Average
	0.1731	42.21	10.13	52.34	64.81	-12.47	QP
	0.1864	24.07	10.13	34.20	54.20	-20.00	Average
	0.1864	40.68	10.13	50.81	64.20	-13.39	QP
	0.1945	23.51	10.12	33.63	53.84	-20.21	Average
	0.1945	40.06	10.12	50.18	63.84	-13.66	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2040	25.59	10.12	35.71	53.45	-17.74	Average
	0.2040	39.23	10.12	49.35	63.45	-14.10	QP
	0.2232	21.24	10.12	31.36	52.70	-21.34	Average
	0.2232	38.19	10.12	48.31	62.70	-14.39	QP
	0.2366	20.93	10.12	31.05	52.22	-21.17	Average
	0.2366	37.22	10.12	47.34	62.22	-14.88	QP
	0.2455	21.32	10.12	31.44	51.91	-20.47	Average
	0.2455	36.88	10.12	47.00	61.91	-14.91	QP
	0.2589	21.62	10.12	31.74	51.47	-19.73	Average
	0.2589	36.35	10.12	46.47	61.47	-15.00	QP
	0.2744	21.81	10.12	31.93	50.98	-19.05	Average
	0.2744	35.59	10.12	45.71	60.98	-15.27	QP
	0.2818	21.47	10.12	31.59	50.76	-19.17	Average
	0.2818	34.96	10.12	45.08	60.76	-15.68	QP
	0.2940	19.36	10.12	29.48	50.41	-20.93	Average
	0.2940	34.07	10.12	44.19	60.41	-16.22	QP
	0.3100	22.79	10.12	32.91	49.97	-17.06	Average
	0.3100	34.53	10.12	44.65	59.97	-15.32	QP
	0.3217	20.88	10.12	31.00	49.66	-18.66	Average
	0.3217	33.66	10.12	43.78	59.66	-15.88	QP
	0.3446	17.61	10.12	27.73	49.09	-21.36	Average
	0.3446	32.37	10.12	42.49	59.09	-16.60	QP
	0.3520	16.67	10.12	26.79	48.91	-22.12	Average
	0.3520	32.29	10.12	42.41	58.91	-16.50	QP
	0.3893	15.09	10.12	25.21	48.08	-22.87	Average
	0.3893	31.11	10.12	41.23	58.08	-16.85	QP
	0.4019	17.16	10.12	27.28	47.81	-20.53	Average
	0.4019	30.75	10.12	40.87	57.81	-16.94	QP
	0.4193	16.02	10.12	26.14	47.46	-21.32	Average
	0.4193	30.88	10.12	41.00	57.46	-16.46	QP
	0.4305	16.01	10.12	26.13	47.24	-21.11	Average
	0.4305	30.85	10.12	40.97	57.24	-16.27	QP
	0.4661	15.82	10.12	25.94	46.58	-20.64	Average
	0.4661	29.09	10.12	39.21	56.58	-17.37	QP
	0.4941	15.21	10.12	25.33	46.10	-20.77	Average
	0.4941	28.82	10.12	38.94	56.10	-17.16	QP
	0.5350	13.34	10.12	23.46	46.00	-22.54	Average
	0.5350	27.41	10.12	37.53	56.00	-18.47	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.5552	11.64	10.13	21.77	46.00	-24.23	Average
	0.5552	27.37	10.13	37.50	56.00	-18.50	QP
	0.6075	13.75	10.13	23.88	46.00	-22.12	Average
	0.6075	26.31	10.13	36.44	56.00	-19.56	QP
	0.6338	12.48	10.13	22.61	46.00	-23.39	Average
	0.6338	26.07	10.13	36.20	56.00	-19.80	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	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Stand Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/12

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1516	27.78	10.13	37.91	55.91	-18.00	Average
*	0.1516	44.91	10.13	55.04	65.91	-10.87	QP
	0.1616	27.06	10.13	37.19	55.38	-18.19	Average
	0.1616	43.66	10.13	53.79	65.38	-11.59	QP
	0.1703	25.87	10.13	36.00	54.94	-18.94	Average
	0.1703	42.48	10.13	52.61	64.94	-12.33	QP
	0.1815	24.62	10.12	34.74	54.42	-19.68	Average
	0.1815	41.45	10.12	51.57	64.42	-12.85	QP
	0.1874	23.94	10.12	34.06	54.15	-20.09	Average
	0.1874	40.86	10.12	50.98	64.15	-13.17	QP
	0.1934	23.36	10.12	33.48	53.89	-20.41	Average
	0.1934	40.31	10.12	50.43	63.89	-13.46	QP
	0.1997	25.72	10.12	35.84	53.62	-17.78	Average
	0.1997	40.11	10.12	50.23	63.62	-13.39	QP

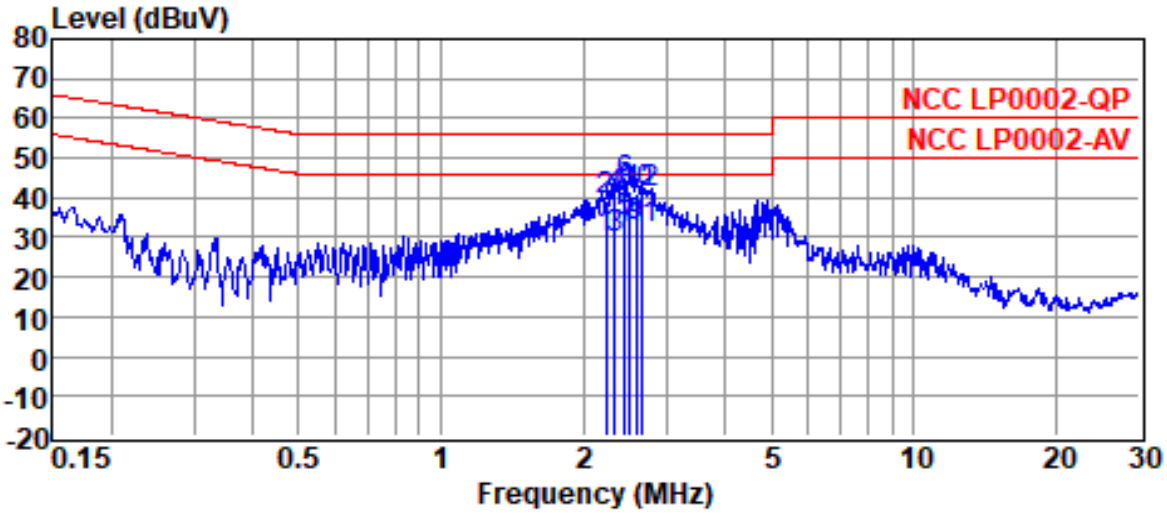
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2018	26.39	10.12	36.51	53.54	-17.03	Average
	0.2018	40.28	10.12	50.40	63.54	-13.14	QP
	0.2162	21.24	10.12	31.36	52.96	-21.60	Average
	0.2162	38.19	10.12	48.31	62.96	-14.65	QP
	0.2304	21.01	10.12	31.13	52.44	-21.31	Average
	0.2304	37.39	10.12	47.51	62.44	-14.93	QP
	0.2316	20.77	10.12	30.89	52.39	-21.50	Average
	0.2316	37.50	10.12	47.62	62.39	-14.77	QP
	0.2535	21.61	10.12	31.73	51.64	-19.91	Average
	0.2535	37.11	10.12	47.23	61.64	-14.41	QP
	0.2644	21.66	10.12	31.78	51.29	-19.51	Average
	0.2644	37.02	10.12	47.14	61.29	-14.15	QP
	0.2687	21.70	10.12	31.82	51.16	-19.34	Average
	0.2687	37.11	10.12	47.23	61.16	-13.93	QP
	0.2803	21.67	10.12	31.79	50.81	-19.02	Average
	0.2803	36.39	10.12	46.51	60.81	-14.30	QP
	0.3100	24.02	10.11	34.13	49.97	-15.84	Average
	0.3100	36.85	10.11	46.96	59.97	-13.01	QP
	0.3200	21.71	10.11	31.82	49.71	-17.89	Average
	0.3200	36.41	10.11	46.52	59.71	-13.19	QP
	0.3286	19.94	10.11	30.05	49.49	-19.44	Average
	0.3286	35.17	10.11	45.28	59.49	-14.21	QP
	0.3483	16.81	10.11	26.92	49.00	-22.08	Average
	0.3483	33.09	10.11	43.20	59.00	-15.80	QP
	0.3872	14.76	10.11	24.87	48.12	-23.25	Average
	0.3872	31.36	10.11	41.47	58.12	-16.65	QP
	0.4105	15.12	10.11	25.23	47.64	-22.41	Average
	0.4105	31.45	10.11	41.56	57.64	-16.08	QP
	0.4260	17.55	10.11	27.66	47.33	-19.67	Average
	0.4260	32.69	10.11	42.80	57.33	-14.53	QP
	0.4492	18.43	10.11	28.54	46.89	-18.35	Average
	0.4492	32.80	10.11	42.91	56.89	-13.98	QP
	0.4711	15.65	10.11	25.76	46.49	-20.73	Average
	0.4711	30.94	10.11	41.05	56.49	-15.44	QP
	0.4941	15.35	10.11	25.46	46.10	-20.64	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.4941	30.24	10.11	40.35	56.10	-15.75	QP
	0.5407	12.89	10.11	23.00	46.00	-23.00	Average
	0.5407	28.52	10.11	38.63	56.00	-17.37	QP
	0.5581	10.85	10.12	20.97	46.00	-25.03	Average
	0.5581	27.40	10.12	37.52	56.00	-18.48	QP

Note :

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

7）型號：HX9996/12+Charge Box+電源供應器(WAA2001)

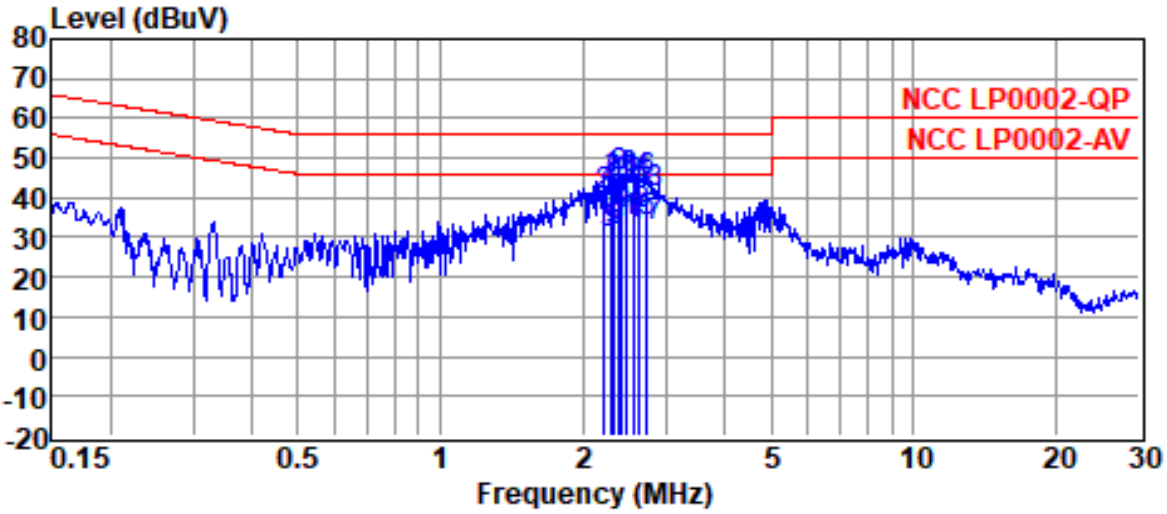


Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Box Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA2001)		
Engineer	: Brian Huang	Model	: HX9996/12

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.2370	19.49	10.20	29.69	46.00	-16.31	Average
	2.2370	28.92	10.20	39.12	56.00	-16.88	QP
	2.3340	19.38	10.21	29.59	46.00	-16.41	Average
	2.3340	29.51	10.21	39.72	56.00	-16.28	QP
*	2.4480	23.84	10.22	34.06	46.00	-11.94	Average
	2.4480	33.05	10.22	43.27	56.00	-12.73	QP
	2.5000	21.68	10.22	31.90	46.00	-14.10	Average
	2.5000	30.83	10.22	41.05	56.00	-14.95	QP
	2.5940	22.21	10.22	32.43	46.00	-13.57	Average
	2.5940	30.64	10.22	40.86	56.00	-15.14	QP
	2.6640	21.64	10.22	31.86	46.00	-14.14	Average
	2.6640	30.98	10.22	41.20	56.00	-14.80	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	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Box Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(WAA2001)		
Engineer	: Brian Huang	Model	: HX9996/12

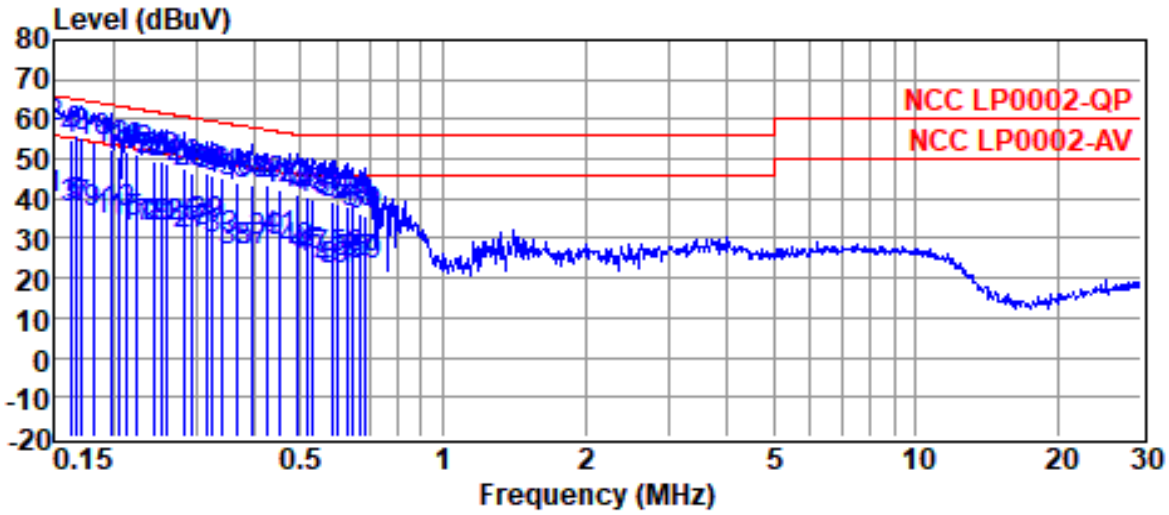
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.2250	23.79	10.19	33.98	46.00	-12.02	Average
	2.2250	30.53	10.19	40.72	56.00	-15.28	QP
	2.2850	20.88	10.19	31.07	46.00	-14.93	Average
	2.2850	31.26	10.19	41.45	56.00	-14.55	QP
	2.3340	21.05	10.20	31.25	46.00	-14.75	Average
	2.3340	33.17	10.20	43.37	56.00	-12.63	QP
	2.3840	22.48	10.21	32.69	46.00	-13.31	Average
	2.3840	35.12	10.21	45.33	56.00	-10.67	QP
	2.4220	25.36	10.21	35.57	46.00	-10.43	Average
	2.4220	34.68	10.21	44.89	56.00	-11.11	QP
	2.4740	22.85	10.21	33.06	46.00	-12.94	Average
	2.4740	32.95	10.21	43.16	56.00	-12.84	QP
*	2.5540	25.71	10.21	35.92	46.00	-10.08	Average
	2.5540	33.71	10.21	43.92	56.00	-12.08	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	2.6220	23.74	10.21	33.95	46.00	-12.05	Average
	2.6220	33.77	10.21	43.98	56.00	-12.02	QP
	2.7210	22.46	10.21	32.67	46.00	-13.33	Average
	2.7210	30.83	10.21	41.04	56.00	-14.96	QP

Note :

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

8）型號：HX9996/12+ Charge Box +電源供應器(HX9200)



Site	: conducted #1	Date	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: NEUTRAL
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Box Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/12

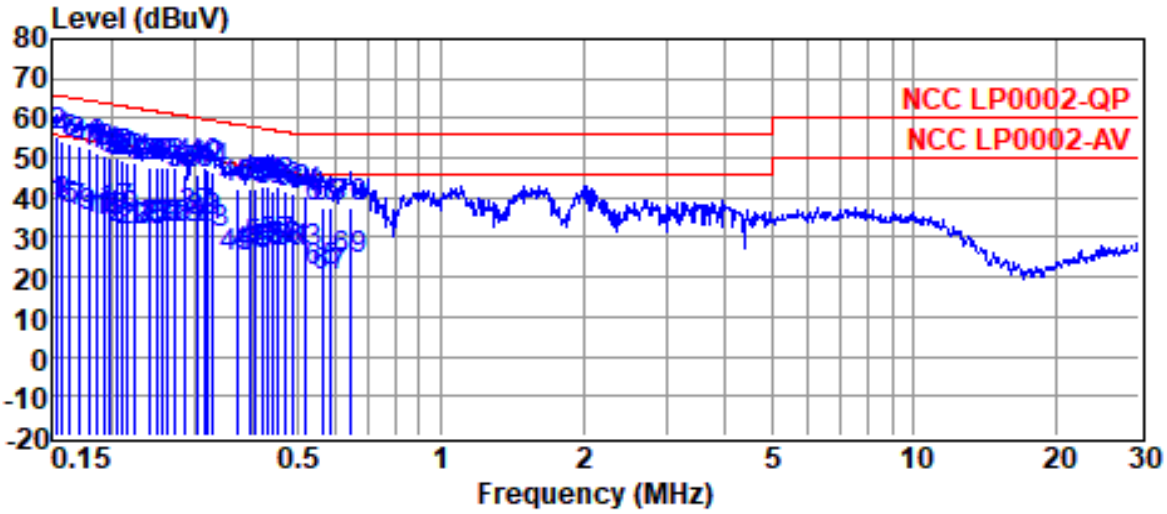
	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1508	29.48	10.14	39.62	55.96	-16.34	Average
*	0.1508	47.69	10.14	57.83	65.96	-8.13	QP
	0.1633	27.54	10.13	37.67	55.30	-17.63	Average
	0.1633	44.57	10.13	54.70	65.30	-10.60	QP
	0.1668	27.78	10.13	37.91	55.12	-17.21	Average
	0.1668	45.83	10.13	55.96	65.12	-9.16	QP
	0.1722	27.10	10.13	37.23	54.86	-17.63	Average
	0.1722	45.29	10.13	55.42	64.86	-9.44	QP
	0.1815	26.09	10.13	36.22	54.42	-18.20	Average
	0.1815	44.28	10.13	54.41	64.42	-10.01	QP
	0.1976	24.49	10.12	34.61	53.71	-19.10	Average
	0.1976	42.40	10.12	52.52	63.71	-11.19	QP
	0.2061	26.28	10.12	36.40	53.36	-16.96	Average

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2061	40.35	10.12	50.47	63.36	-12.89	QP
	0.2139	23.75	10.12	33.87	53.05	-19.18	Average
	0.2139	41.48	10.12	51.60	63.05	-11.45	QP
	0.2244	22.62	10.12	32.74	52.66	-19.92	Average
	0.2244	40.87	10.12	50.99	62.66	-11.67	QP
	0.2442	22.55	10.12	32.67	51.95	-19.28	Average
	0.2442	39.51	10.12	49.63	61.95	-12.32	QP
	0.2535	22.72	10.12	32.84	51.64	-18.80	Average
	0.2535	39.21	10.12	49.33	61.64	-12.31	QP
	0.2603	22.78	10.12	32.90	51.42	-18.52	Average
	0.2603	38.53	10.12	48.65	61.42	-12.77	QP
	0.2833	22.47	10.12	32.59	50.72	-18.13	Average
	0.2833	37.34	10.12	47.46	60.72	-13.26	QP
	0.2955	20.55	10.12	30.67	50.37	-19.70	Average
	0.2955	36.23	10.12	46.35	60.37	-14.02	QP
	0.3150	23.02	10.12	33.14	49.84	-16.70	Average
	0.3150	36.29	10.12	46.41	59.84	-13.43	QP
	0.3251	21.60	10.12	31.72	49.57	-17.85	Average
	0.3251	35.94	10.12	46.06	59.57	-13.51	QP
	0.3392	19.49	10.12	29.61	49.22	-19.61	Average
	0.3392	35.06	10.12	45.18	59.22	-14.04	QP
	0.3653	16.79	10.12	26.91	48.61	-21.70	Average
	0.3653	34.15	10.12	44.27	58.61	-14.34	QP
	0.3934	16.32	10.12	26.44	47.99	-21.55	Average
	0.3934	33.28	10.12	43.40	57.99	-14.59	QP
	0.4260	19.02	10.12	29.14	47.33	-18.19	Average
	0.4260	33.06	10.12	43.18	57.33	-14.15	QP
	0.4492	19.79	10.12	29.91	46.89	-16.98	Average
	0.4492	32.38	10.12	42.50	56.89	-14.39	QP
	0.4889	16.40	10.12	26.52	46.19	-19.67	Average
	0.4889	30.81	10.12	40.93	56.19	-15.26	QP
	0.5182	15.16	10.12	25.28	46.00	-20.72	Average
	0.5182	30.40	10.12	40.52	56.00	-15.48	QP
	0.5322	14.56	10.12	24.68	46.00	-21.32	Average
	0.5322	29.96	10.12	40.08	56.00	-15.92	QP
	0.5823	11.80	10.13	21.93	46.00	-24.07	Average
	0.5823	29.19	10.13	39.32	56.00	-16.68	QP
	0.5979	11.57	10.13	21.70	46.00	-24.30	Average
	0.5979	28.50	10.13	38.63	56.00	-17.37	QP
	0.6272	14.60	10.13	24.73	46.00	-21.27	Average
	0.6272	28.05	10.13	38.18	56.00	-17.82	QP
	0.6406	13.73	10.13	23.86	46.00	-22.14	Average
	0.6406	27.67	10.13	37.80	56.00	-18.20	QP
	0.6683	13.71	10.13	23.84	46.00	-22.16	Average
	0.6683	26.19	10.13	36.32	56.00	-19.68	QP

	0.6863	12.86	10.13	22.99	46.00	-23.01	Average
	0.6863	25.38	10.13	35.51	56.00	-20.49	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	: 2021-03-11
Condition	: NCC LP0002-QP	LISN	: LINE
Tem / Hum	: 24 ℃ / 58%		
Test Mode	: Charge Box Mode		
EUT	: 飛利浦頂級尊榮 AI 智能音波震動牙刷		
Power Rating	: DC 5V From Adapter 110Vac60Hz(HX9200)		
Engineer	: Brian Huang	Model	: HX9996/12

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.1540	28.05	10.13	38.18	55.78	-17.60	Average
*	0.1540	45.13	10.13	55.26	65.78	-10.52	QP
	0.1582	27.73	10.13	37.86	55.56	-17.70	Average
	0.1582	44.30	10.13	54.43	65.56	-11.13	QP
	0.1641	26.79	10.13	36.92	55.25	-18.33	Average
	0.1641	43.60	10.13	53.73	65.25	-11.52	QP
	0.1712	25.95	10.13	36.08	54.90	-18.82	Average
	0.1712	43.05	10.13	53.18	64.90	-11.72	QP
	0.1796	25.17	10.12	35.29	54.50	-19.21	Average
	0.1796	42.07	10.12	52.19	64.50	-12.31	QP
	0.1874	24.19	10.12	34.31	54.15	-19.84	Average
	0.1874	41.20	10.12	51.32	64.15	-12.83	QP
	0.1934	23.65	10.12	33.77	53.89	-20.12	Average
	0.1934	40.73	10.12	50.85	63.89	-13.04	QP
	0.1997	23.50	10.12	33.62	53.62	-20.00	Average
	0.1997	40.07	10.12	50.19	63.62	-13.43	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.2061	26.13	10.12	36.25	53.36	-17.11	Average
	0.2061	40.10	10.12	50.22	63.36	-13.14	QP
	0.2117	24.13	10.12	34.25	53.14	-18.89	Average
	0.2117	39.33	10.12	49.45	63.14	-13.69	QP
	0.2162	21.81	10.12	31.93	52.96	-21.03	Average
	0.2162	38.46	10.12	48.58	62.96	-14.38	QP
	0.2256	21.40	10.12	31.52	52.61	-21.09	Average
	0.2256	38.55	10.12	48.67	62.61	-13.94	QP
	0.2429	21.57	10.12	31.69	52.00	-20.31	Average
	0.2429	37.60	10.12	47.72	62.00	-14.28	QP
	0.2508	21.83	10.12	31.95	51.73	-19.78	Average
	0.2508	37.77	10.12	47.89	61.73	-13.84	QP
	0.2562	21.75	10.12	31.87	51.56	-19.69	Average
	0.2562	37.62	10.12	47.74	61.56	-13.82	QP
	0.2644	21.92	10.12	32.04	51.29	-19.25	Average
	0.2644	37.76	10.12	47.88	61.29	-13.41	QP
	0.2744	22.21	10.12	32.33	50.98	-18.65	Average
	0.2744	37.73	10.12	47.85	60.98	-13.13	QP
	0.2863	22.05	10.12	32.17	50.63	-18.46	Average
	0.2863	35.97	10.12	46.09	60.63	-14.54	QP
	0.3051	24.96	10.11	35.07	50.10	-15.03	Average
	0.3051	36.05	10.11	46.16	60.10	-13.94	QP
	0.3150	23.49	10.11	33.60	49.84	-16.24	Average
	0.3150	37.42	10.11	47.53	59.84	-12.31	QP
	0.3200	22.41	10.11	32.52	49.71	-17.19	Average
	0.3200	37.06	10.11	47.17	59.71	-12.54	QP
	0.3269	20.81	10.11	30.92	49.53	-18.61	Average
	0.3269	36.36	10.11	46.47	59.53	-13.06	QP
	0.3692	15.06	10.11	25.17	48.52	-23.35	Average
	0.3692	32.05	10.11	42.16	58.52	-16.36	QP
	0.3934	15.24	10.11	25.35	47.99	-22.64	Average
	0.3934	32.15	10.11	42.26	57.99	-15.73	QP
	0.4062	15.42	10.11	25.53	47.73	-22.20	Average
	0.4062	31.87	10.11	41.98	57.73	-15.75	QP
	0.4215	17.08	10.11	27.19	47.42	-20.23	Average
	0.4215	32.59	10.11	42.70	57.42	-14.72	QP
	0.4305	16.09	10.11	26.20	47.24	-21.04	Average
	0.4305	32.61	10.11	42.72	57.24	-14.52	QP
	0.4421	15.71	10.11	25.82	47.02	-21.20	Average
	0.4421	31.48	10.11	41.59	57.02	-15.43	QP

	Freq (MHz)	Reading (dBuV)	Factor (dB)	Emission Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Remark
	0.4516	17.88	10.11	27.99	46.85	-18.86	Average
	0.4516	32.68	10.11	42.79	56.85	-14.06	QP
	0.4686	16.75	10.11	26.86	46.54	-19.68	Average
	0.4686	31.70	10.11	41.81	56.54	-14.73	QP
	0.4863	16.16	10.11	26.27	46.23	-19.96	Average
	0.4863	31.01	10.11	41.12	56.23	-15.11	QP
	0.5155	16.08	10.11	26.19	46.00	-19.81	Average
	0.5155	30.51	10.11	40.62	56.00	-15.38	QP
	0.5611	11.44	10.12	21.56	46.00	-24.44	Average
	0.5611	27.56	10.12	37.68	56.00	-18.32	QP
	0.5823	10.18	10.12	20.30	46.00	-25.70	Average
	0.5823	27.29	10.12	37.41	56.00	-18.59	QP
	0.6440	14.18	10.12	24.30	46.00	-21.70	Average
	0.6440	27.36	10.12	37.48	56.00	-18.52	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

結果值 = 儀器讀值 + 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)	2019/12/17	2020/12/16
PLUSE LIMITER (10dB)	Schwarzbeck	VTSD 9561 F-N (13056701-003)	2020/05/04	2021/05/03
PLUSE LIMITER (10dB)	Schwarzbeck	VTSD 9561 F-N (13056701-003)	2020/05/04	2021/05/03

5.7 傳導量測之配置照片

1) 型號：HX9996/11+ Charge Stand+電源供應器(WA1001)

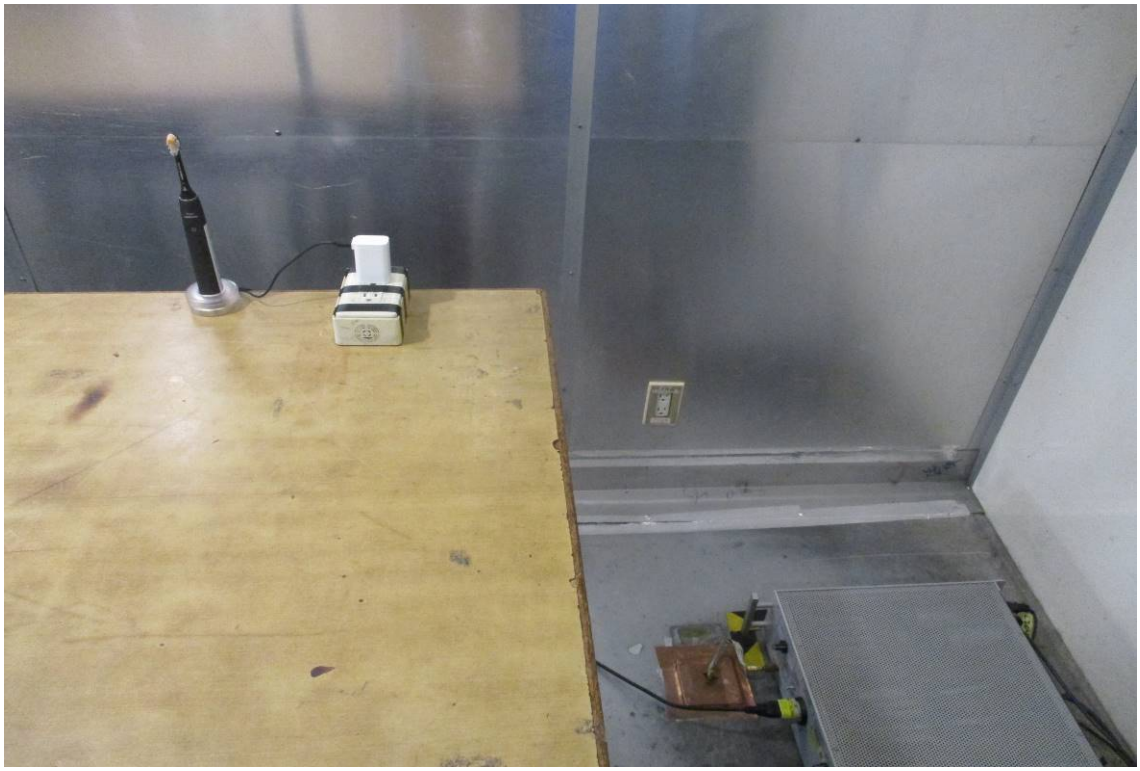
2) 型號：HX9996/11+ Charge Stand+電源供應器(HX9200)

3) 型號：HX9996/11+ Charge Box+電源供應器(WA1001)

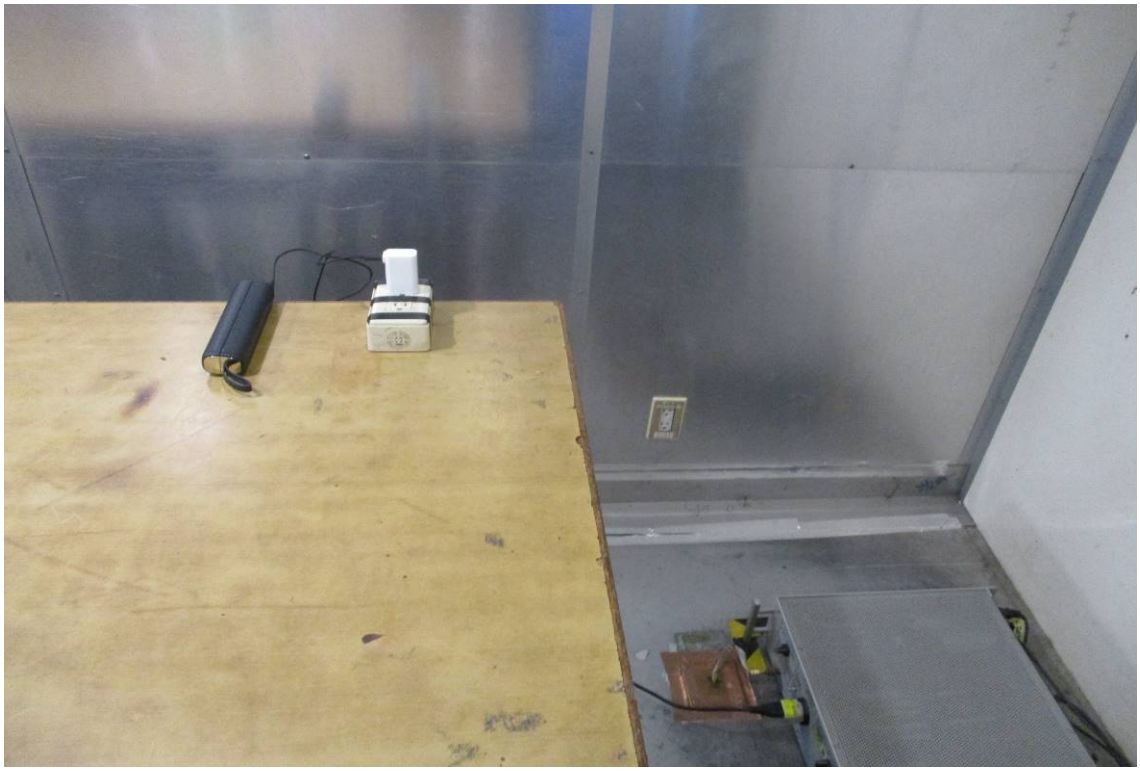
4) 型號：HX9996/11+ Charge Box+電源供應器(HX9200)

5) 型號：HX9996/12+ Charge Stand+電源供應器(WA1001)

6) 型號：HX9996/12+ Charge Stand+電源供應器(HX9200)



7) 型號：HX9996/12+ Charge Box+電源供應器(WA1001)



8) 型號：HX9996/12+ Charge Box+電源供應器(HX9200)

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。

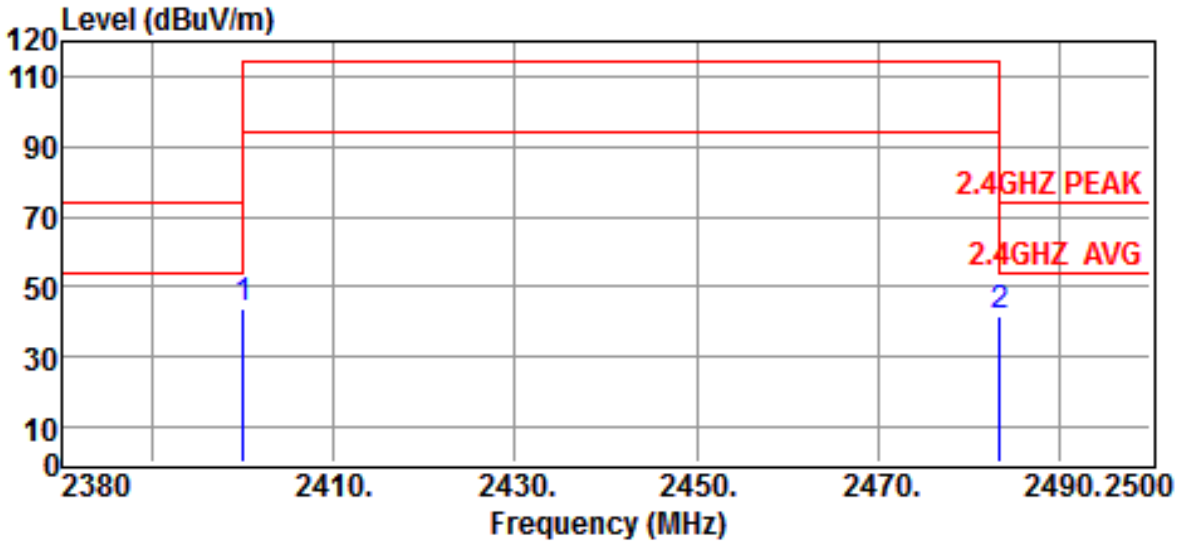
7.2 開放頻帶邊緣之測試配置

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)	2020/04/09	2021/04/08
Horn Antenna	EMCO	3115 (43057302-001)	2020/10/16	2021/10/15
Amplifier	HP	8449B (13052901-001)	2020/10/06	2021/10/05

7.4 開放頻帶邊緣之量測結果

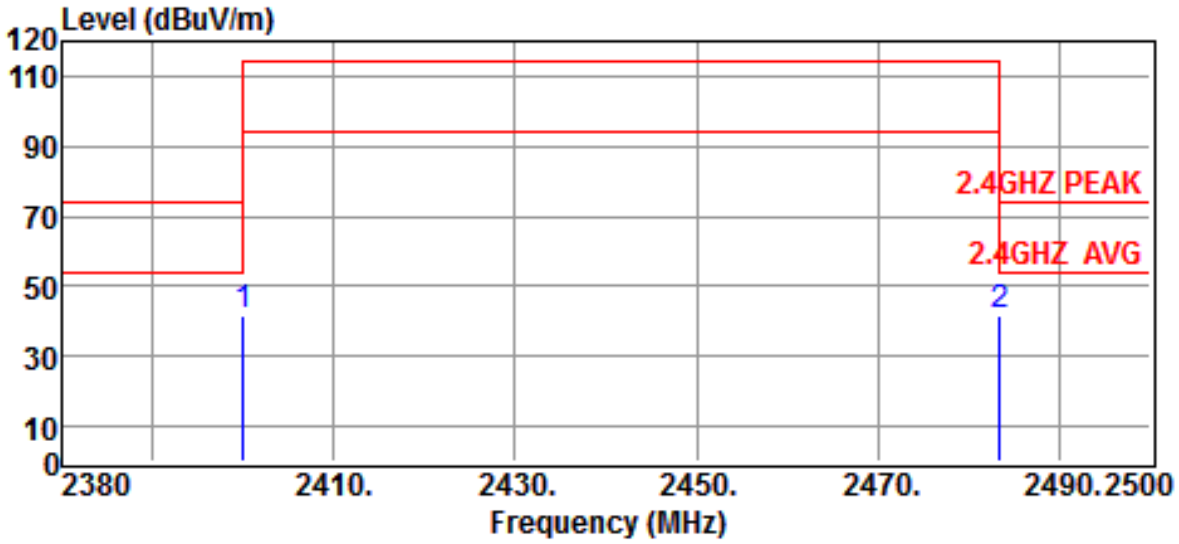


Site	:Chamber #2	Date	:2021-03-15	
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL	
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷			
Model	:HX9996/11			
Power Rating	:Battery	Temp.	:24˚C	
Engineer	:Brian Huang	Humi.	:55 %	
Test Mode	:BT4.0 Mode			

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	2400.0000	47.67	-4.17	43.50	74.00	-30.50	Peak
	2483.5000	45.52	-3.82	41.70	74.00	-32.30	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.

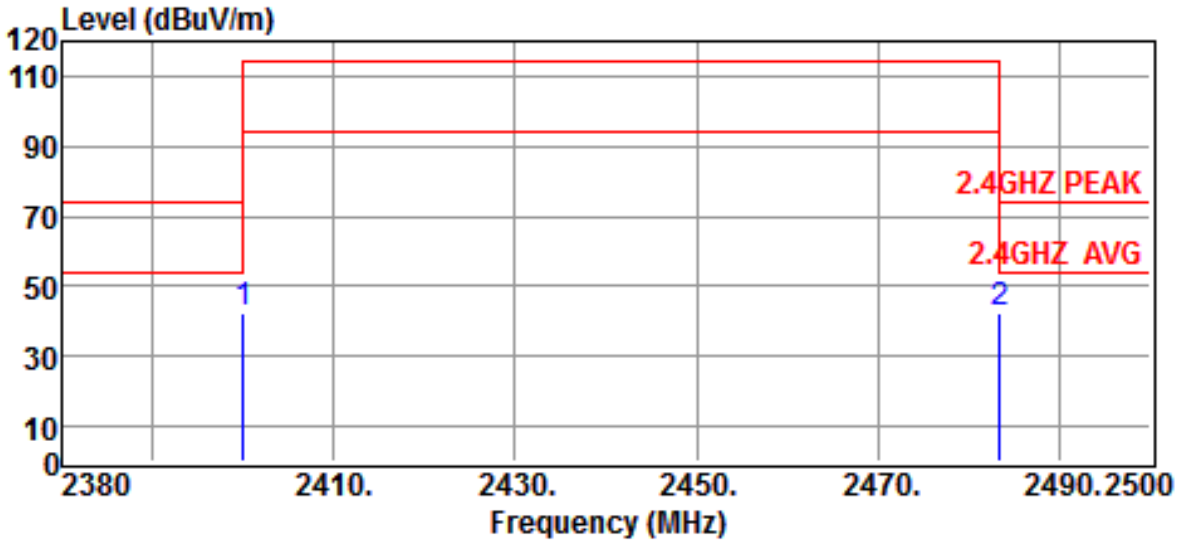


Site	:Chamber #2	Date	:2021-03-15
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT4.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2400.0000	45.61	-4.17	41.44	74.00	-32.56	Peak
*	2483.5000	45.53	-3.82	41.71	74.00	-32.29	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.

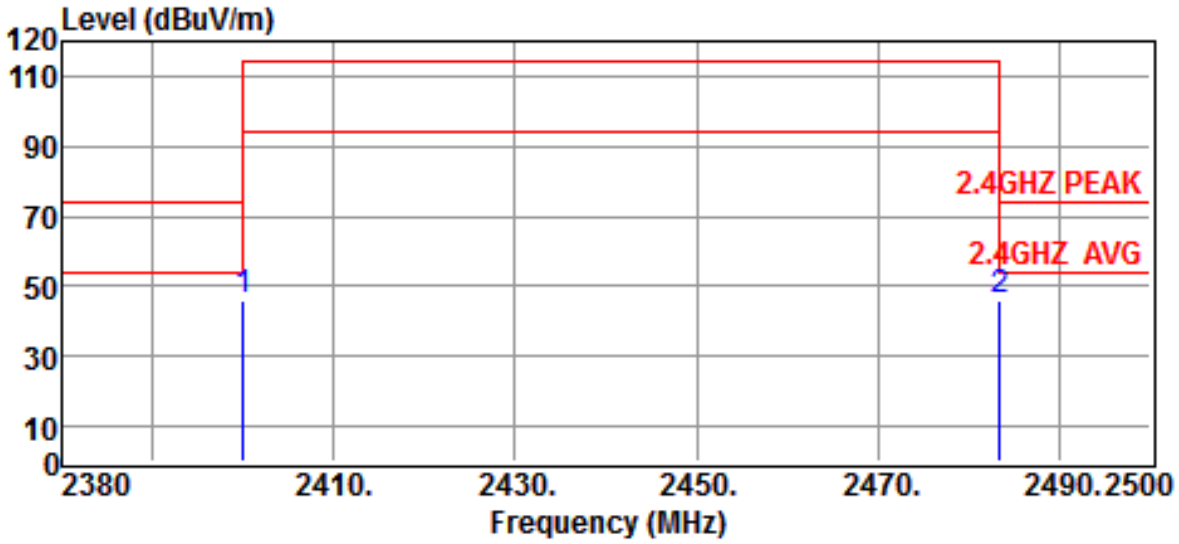


Site	:Chamber #2	Date	:2021-03-15
Limit	:2.4GHZ PEAK	Ant. Pol.	:HORIZONTAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
*	2400.0000	46.72	-4.17	42.55	74.00	-31.45	Peak
	2483.5000	45.93	-3.82	42.11	74.00	-31.89	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	:2021-03-15
Limit	:2.4GHZ PEAK	Ant. Pol.	:VERTICAL
EUT	:飛利浦頂級尊榮 AI 智能音波震動牙刷		
Model	:HX9996/11		
Power Rating	:Battery	Temp.	:24˚C
Engineer	:Brian Huang	Humi.	:55 %
Test Mode	:BT5.0 Mode		

	Freq MHz	Reading dBuV	Correction Factor dB/m	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
	2400.0000	50.16	-4.17	45.99	74.00	-28.01	Peak
*	2483.5000	50.06	-3.82	46.24	74.00	-27.76	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.