



低功率射頻電機測試報告

台灣索尼股份有限公司

器材名稱: Communication Module (WLAN,BTLE)

廠牌: SONY

型號: Type1DR

申請廠商 : 台灣索尼股份有限公司
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低功率射頻電機測試報告

受理日期 : 2018年02月22日
 完成日期 : 2018年03月09日
 報告號碼 : EM-NC180029
 實驗室名稱 : 敦吉檢測科技股份有限公司電磁相容部
 實驗室地址 : 新北市林口區頂福里53-11號
 實驗室電話 : (02) 2609-9301, (02) 2609-2133
 認可編號及範圍 : TAF 1724 (9KHz ~ 40GHz)
 申請廠商 : 台灣索尼股份有限公司
 製造廠商 : 台灣索尼股份有限公司
 器材名稱 : Communication Module (WLAN,BTLE)
 廠牌 : SONY
 型號 : Type1DR
 工作頻率/發射功率 :



無線技術	工作頻率(MHz)	頻道數	發射功率(dBm)	
			峰值 (Peak)	平均值 (Average)
802.11b	2412-2462	11	7.66	4.47
802.11g	2412-2462	11	13.88	4.45
802.11n-HT20	2412-2462	11	13.48	4.29
BLE	2402-2480	40	7.23	---

調變方式 :

無線技術	調變方式
802.11b	DSSS (DBPSK/ DQPSK/ CCK)
802.11g/n-HT20	OFDM (BPSK/ QPSK/ 16QAM/ 64QAM)
BLE	GFSK

天線規格 : 此裝置使用固定式天線，其天線資料如下:

天線類型	製造商	型號	頻率(MHz)	天線增益(dBi)
Monopole Antenna	Fujikura Ltd.	FPC-2010	2400-2483.5	-10.39

註:天線已符合NCC低功率射頻電機技術規範2.2.節之規定

- 備註 :
1. 本測試報告僅對受測之樣品負責。
 2. 非經本公司同意，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 2018 年 01 月 10 日。

依低功率射頻電機技術規範 3.10.1 節，工作頻率為 2400-2483.5MHz，採用數位調變技術之發射器具。

項次	測試項目	適用規範章節	測試結果	量測設備	判定
1	電源傳導干擾電壓	低功率射頻電機技術規範 2.3 節	請參閱 4.2 節	請參閱 2.1 節	合格
2	場強輻射	低功率射頻電機技術規範 3.10.1.5 節、2.8 節	請參閱 5.5 節	請參閱 2.2 節	合格
3	發射頻寬	低功率射頻電機技術規範 3.10.1.6 節(2)(A)	請參閱 6.5 節	請參閱 2.3 節	合格
4	峰值輸出功率	低功率射頻電機技術規範 3.10.1.2 節(1)(C)	請參閱 7.5 節	請參閱 2.3 節	合格
5	頻帶邊緣之 RF 傳導發射	低功率射頻電機技術規範 3.10.1.5 節	請參閱 8.5 節	請參閱 2.3 節	合格
6	混附發射之 RF 傳導發射	低功率射頻電機技術規範 3.10.1.5 節(1)、2.8 節	請參閱 9.5 節	請參閱 2.3 節	合格
7	功率密度	低功率射頻電機技術規範 3.10.1.6 節(2)(B)	請參閱 10.5 節	請參閱 2.3 節	合格

單位主管：劉李煌
(劉李煌/副總經理)

測試員：薛舜誠
(薛舜誠/課長)

1 一般資料

1.1 產品描述

- a) 產品型態 : Communication Module (WLAN,BTLE)
- b) 廠 牌 : SONY
- c) 產品型號 : Type1DR
- d) 供應電源 : 備註: 適用設備: Digital Still Camera ;
廠牌/型號: SONY/ WW771132
- e) 測試電源 : (1)AC 110V/60Hz
(經 Digital Still Camera 之電源供應器供電)
(2)DC 3.3V
(透過 Digital Still Camera 供電)

1.2 產品特性

- 1.2.1. 此裝置系統為 Communication Module (WLAN,BTLE)，具 IEEE 802.11b/g/n 及 BLE 功能。
- 1.2.2. Wi-Fi 功能: 採用 IEEE 802.11b/g/n 數位直接序列展頻調變技術，其應用為區域網路無線傳輸，IEEE 802.11b 最高資料傳輸速度為 11Mbps，IEEE 802.11g 最高資料傳輸速度為 54Mbps，IEEE 802.11n-HT20 最高資料傳輸速度為 150Mbps。
- 1.2.3. Bluetooth Low Energy (BLE)發射頻率落於 2400~2483.5MHz 共分 40 個頻道，最大傳輸速率為 1Mbps。

1.3 測試方法之依據

- 1.3.1. 本測試報告之所有項目皆依據 NCC 低功率射頻電機技術規範執行檢驗，未規範者依國家標準辦理，無國家標準可適用者，依 IEEE ANSI、歐盟 ETSI EN 與美國 EIA、FCC 47 CFR PART 2、KDB 及 ARIB STD-T67 等有關檢驗之規定。
- 1.3.2. 根據 NCC 一致性會議，提案編號 09406017，此產品所建之 NFC 標籤為 13.56MHz 之被動式標籤可免除測試。

2 量測儀器

2.1 電源線傳導干擾量測儀器

2.1.1. 量測儀器

儀器名稱	製造者	型號	序號	校正日期	校正周期
測試接收機	R&S	ESCI	101276	2017. 03. 23	1 年
電源阻抗模擬網路#1	R&S	ESH2-Z5	100366	2017. 07. 20	1 年
電源阻抗模擬網路#2	Kyoritsu	KNW-407	8-1539-3	2018. 01. 09	1 年
突波限制器	R&S	ESH3-Z2	101495	2018. 01. 16	1 年
同軸電纜	Thermax/CDT	RG-142	CE-07	2017. 05. 25	1 年
測試軟體	Audix	e3	V.120619C	N.C.R.	N.C.R.

2.1.2. 儀器設定

儀器名稱	使用功能	解析頻寬	視訊頻寬
測試接收機	傳導電壓干擾量測(dBμV)	9kHz	N/A

2.2 場強輻射量測儀器

2.2.1. 頻率範圍 30MHz~1000MHz 量測使用儀器 (No. 1 3m Chamber)

儀器名稱	製造者	型號	序號	校正日期	校正周期
頻譜分析儀	Agilent	N9030A-526	MY53310269	2018. 01. 04	1 年
測試接收機	R&S	ESCS30	100338	2017. 06. 19	1 年
前置放大器	HP	8447D	2944A06305	2018. 01. 30	1 年
廣帶域天線	TESEQ	CBL6112D	33821	2018. 01. 21	1 年
同軸電纜	HUBER+SUHNER	S07212BD	ACC3CL	2017. 05. 25	1 年
測試軟體	Audix	e3	V.6.110601	N.C.R.	N.C.R.

2.2.2. 頻率範圍 1GHz 以上量測使用儀器(Fully 3m Chamber)

儀器名稱	製造者	型號	序號	校正日期	校正周期
頻譜分析儀	Agilent	N9030A-544	US51350140	2017. 06. 20	1 年
前置放大器	HP	8449B	3008A02678	2017. 03. 06	1 年
2.4GHz陷波濾波器	K&L	7NSL10-2441.5E 130.5-00	1	2017. 07. 27	1 年
3GHz陷波濾波器	Microwave	H3G018G1	484798	2017. 08. 24	1 年
喇叭天線	EMCO	3115	9609-4927	2017. 06. 27	1 年
喇叭天線	COM-POWER	AH-840	101092	2017. 05. 04	1 年
同軸電纜	HUBER+SUHNER	SUCOFLEX 104	ACCL3 1G up	2017. 06. 05	1 年
測試軟體	Audix	e3	V.6.110601	N.C.R.	N.C.R.

2.2.3. 儀器設定

量測頻率範圍	儀器名稱/使用功能	檢波值	解析頻寬	視訊頻寬	
30至1000MHz	頻譜分析儀	Peak	120kHz	1MHz	
1GHz以上	頻譜分析儀	Peak	1MHz	1MHz	
	頻譜分析儀	Average	1MHz	802.11b	10Hz
				802.11g	680Hz
				802.11n-HT20	750Hz
				BLE	2.7kHz

2.3 RF Conducted 量測儀器

儀器名稱	製造者	型號	序號	校正日期	校正周期
頻譜分析儀	Agilent	N9030A-544	US51350140	2017. 06. 20	1 年
功率計	Antrisu	ML2495A	1145008	2017. 11. 03	1年
功率感應器	Antrisu	MA2411B	1126096	2017. 11. 03	1年

3 受測裝置之系統說明

3.1 申請之受測裝置

裝置名稱	製造者	型 號	說明/纜線
Communication Module (WLAN,BTLE)	Sony Corporation	Type1DR	---

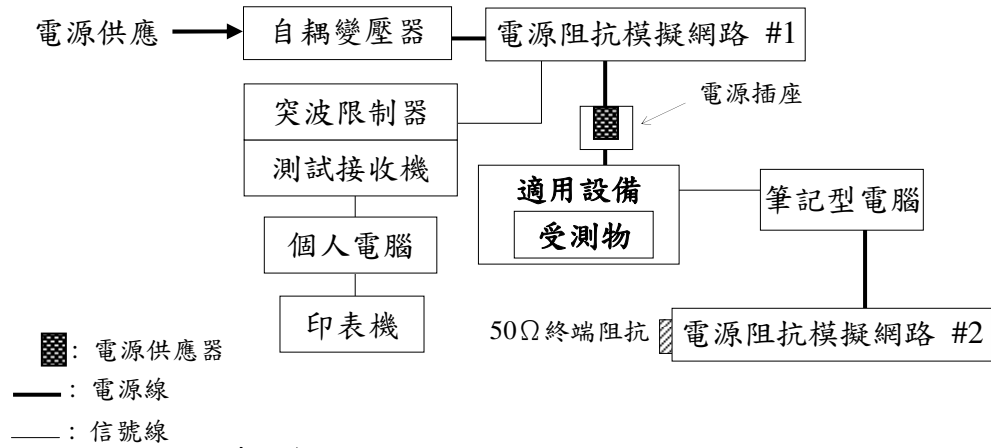
3.2 測試連接之週邊裝置

裝置名稱	製造者	型 號	說明/纜線
Digital Still Camera	SONY	WW771132	二次鋰電池組 (附件)： SONY, 型號: NP-BX1 (3.6V, 4.5Wh) 電源供應器(附件)： SONY, 型號 AC-UUD12 BSMI 驗證登錄代碼:R33021 輸入電壓: AC100-240V, 50/60Hz, 0.2A 輸出電壓: DC 5V, 1.5A AC 電源線: 插牆式(2C) 電源供應器(附件)： SONY, 型號 AC-UUE12 BSMI 驗證登錄代碼:R33021 輸入電壓: AC100-240V, 50/60Hz, 0.2A 輸出電壓: DC 5V, 1.5A 電源線: 可拆, 無金屬被覆, 1.8 米長 (2C) Multi/Micro USB 電纜 (附件)： 可拆, 金屬被覆, 0.5 米長

3.3 測試配置

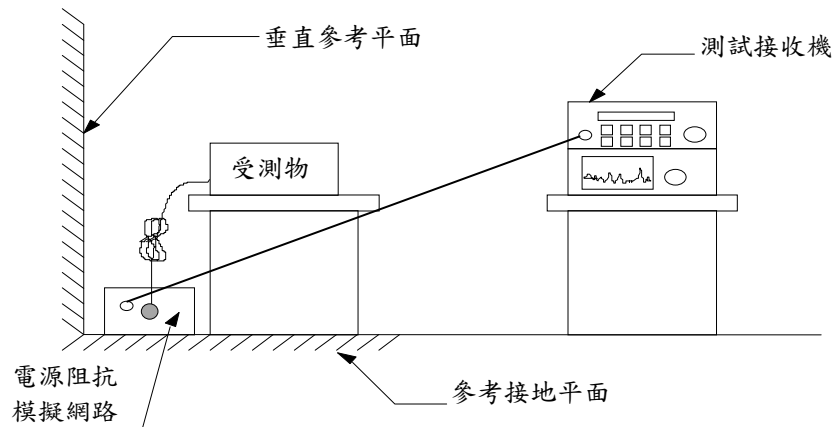
3.3.1. 電源線傳導干擾之測試配置

● 受測物裝置與連接週邊裝置之架構圖



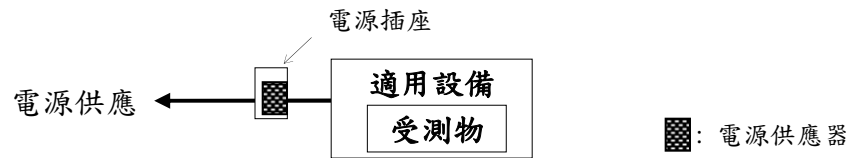
受測物: Communication Module (WLAN,BTLE)

● 量測場地(隔離室)擺設之架構圖



3.3.2. 輻射之測試配置

● 受測物裝置與連接週邊裝置之架構圖



受測物: Communication Module (WLAN,BTLE)

● 量測場地擺設之架構圖

圖 1: 量測場地(No. 1 3m Chamber)量測頻率低於 1GHz 之測試配置

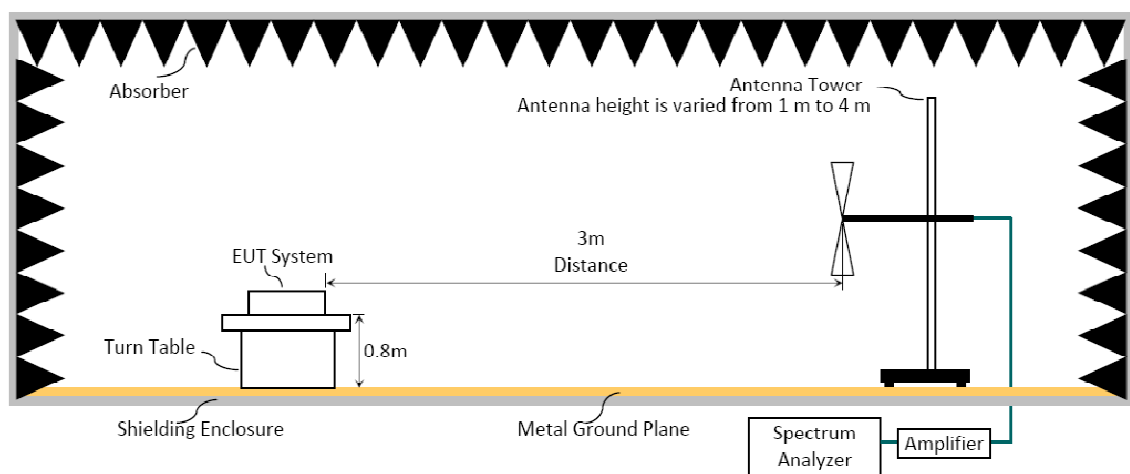
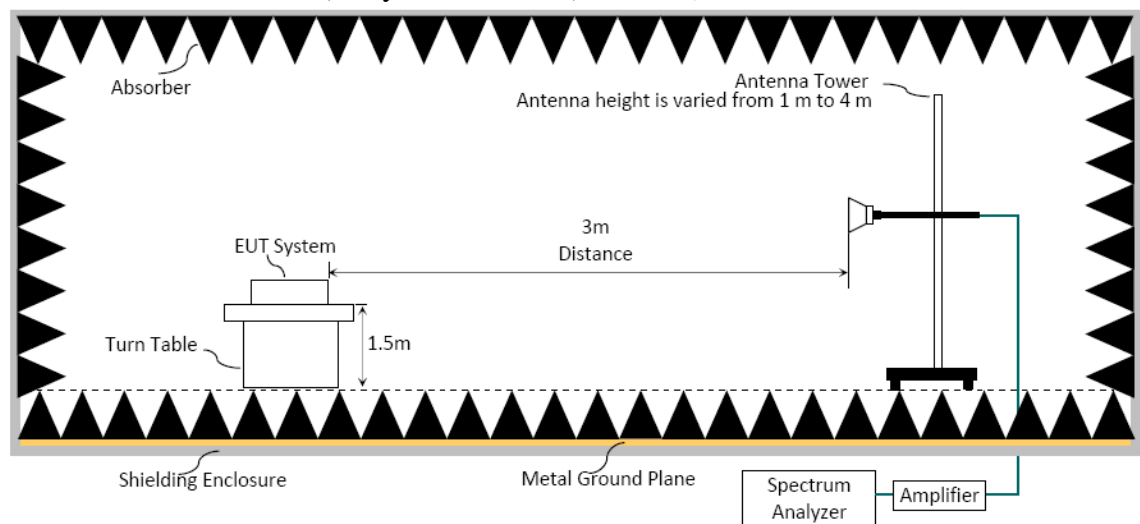
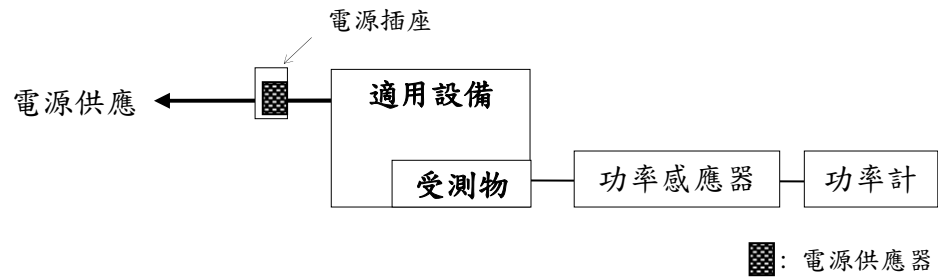


圖 2: 量測場地(Fully 3m Chamber)量測頻率高於 1GHz 之測試配置



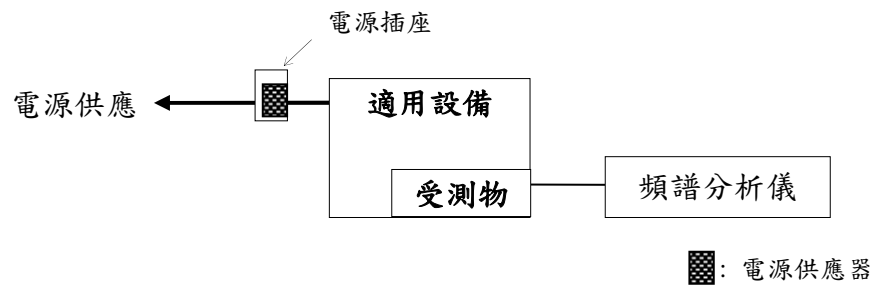
3.3.3. RF Conducted 之測試配置

● 峰值輸出功率



受測物: Communication Module (WLAN,BTLE)

● 其他 RF Conducted 測項



受測物: Communication Module (WLAN,BTLE)

4 電源線傳導干擾之量測

4.1 適用標準

依據 NCC 低功率射頻電機技術規範之 2.3 節之規定，以市電為電源之低功率射頻電機，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。

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

註：隨頻率之對數遞減

4.2 量測方法

- 4.2.1. 將受測物依章節 3.3.1 圖示擺設在隔離室內離地 80 公分的非金屬桌面上，並透過電源阻抗模擬網路接至 110V/60Hz 交流電源上；其他測試週邊裝置之電源線則連接至另一台電源阻抗模擬網路#2。
- 4.2.2. 電源阻抗模擬網路是在電壓測量端，針對高頻訊號時，提供一個固定阻抗(50 Ω /50 μ H)，以及提供待測設備一個與週邊雜訊隔離的電源。(未受測之電源阻抗模擬網路信號端需接上一 50 Ω 之終端阻抗)
- 4.2.3. 電源阻抗模擬網路與受測物的最近表面距離為 0.8 米，受測物的電源線若超過 1 米，則需加以來回的折疊束綁，且折疊束綁的部份其長度不可超過 0.4 米。
- 4.2.4. 而後根據規定進行量測並在頻率範圍 0.15MHz 至 30MHz 間各頻率點進行最大讀值量測及記錄，電源的中性線(Neutral)與火線(Line)分別需依此予以量測。
- 4.2.5. 進行傳導干擾電壓量測時，測試接收機之頻寬設定在 9kHz。
- 4.2.6. 對受測物裝置先以峰值檢波器進行檢測並取得結果曲線圖，再以準峰值及平均值檢波器進行讀值之量測，所得測試結果資料是附於附錄一。
(備註：當使用準峰值檢波器測量而能符合平均值檢波器的限制值，則此時受測物可被認為同時符合二者的限制值，而不需要再用平均值檢波器測試。)
- 4.2.7. 場強度之計算，公式如下：

場強結果值(Emission Level)=參數(AMN Factor & Cable Loss & Pulse Att.)+接收機讀值(Reading)。

邊緣值(Margin)=限制值(Limits)-結果值(Emission Level)。

其中參數為：電源阻抗模擬網路損失與電纜損失

4.3 量測時受測物之工作狀況

由筆記型電腦修改適用設備 Digital Still Camera 內記憶卡指令，使受測物進行發射/接收動作以進行量測，動作持續不斷直到測試結束。(筆記型電腦僅用於設定程式用)

4.4 量測時受測物之不確定度

測 試 項 目	頻率範圍	不確定度
傳導干擾電壓量測	150kHz~30MHz	±3.5dB

4.5 電源線傳導干擾之量測結果

量測結果皆合乎標準規定，請參見附錄一。

5 場強輻射之量測

5.1 適用標準

依據 NCC 低功率射頻電機技術規範 3.10.1.5 節(1)之要求：操作頻帶範圍外之任意 100 kHz 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 kHz 內的射頻功率，其衰減值限制如下：

(1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。

此外，落於 2.7 禁用頻段之輻射發射，應符合 2.8 之規定。

依據 NCC 低功率射頻電機技術規範之 2.7 節之規定：

任何低功率射頻電機之主波皆不得使用下表所列各頻帶內之頻率。低功率射頻電機落於下表所列頻帶內之混附發射，其電場強度必須符合第 2.8.節的限制規定。

頻率(MHz)	頻率(MHz)	頻率(MHz)
0.090~0.110	240.00~285.00	3332.0~3339.0
0.490~0.510	322.00~335.40	3345.8~3358.0
2.172~2.198	399.90~410.00	3500.0~4400.0
3.013~3.033	485.00~510.00	4500.0~5250.0
4.115~4.198	608.00~614.00	5350.0~5460.0
5.670~5.690	703.00~748.00	7250.0~7750.0
6.200~6.300	758.00~803.00	8025.0~8500.0
8.230~8.400	825.00~915.00	9000.0~9200.0
12.265~12.600	935.00~1240.0	9300.0~9500.0
13.340~13.430	1300.0~1427.0	10600~12700
14.965~15.020	1435.0~1626.5	13250~13400
16.700~16.755	1660.0~1785.0	14470~14500
19.965~20.020	1805.0~1880.0	15350~16200
25.500~25.700	1885.0~1900.0	17700~21400
37.475~38.275	1905.0~1985.0	22010~23120
73.500~75.400	2010.0~2025.0	23600~24000
108.00~138.00	2110.0~2170.0	31200~31800
149.90~150.05	2200.0~2300.0	36430~36500
156.70~156.90	2310.0~2390.0	38600以上
162.01~167.17	2483.5~2900.0	
167.72~173.20	3260.0~3267.0	

依據 NCC 低功率射頻電機技術規範之(2.8)之規定：

低功率射頻電機，除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻率 MHz	測試距離 m	限制值 dB μ V/m	限制值 μ V/m
0.009 - 0.490(含)	300	67.6-20 log f(kHz)	2400/f kHz
0.490(不含) - 1.705(含)	30	87.6-20 log f(kHz)	24000/f kHz
1.705(不含) - 30(不含)	30	29.5	30
30(含) - 88(含)	3	40.0	100
88(不含) - 216(含)	3	43.5	150
216(不含) - 960(含)	3	46.0	200
960(不含)以上	3	54.0	500

5.2 量測方法

- 5.2.1. 輻射干擾場強量測時受測物與電波暗室場地擺設依 3.3.2 圖示。
- 5.2.2. 頻譜分析儀之頻寬設定為 120kHz，接收天線應使用偶極平衡天線或經校正的廣帶域天線如雙錐形天線與對數週期天線。
- 5.2.3. 受測物裝置放置於測試區地面 80 公分(量測頻率低於 1GHz)或 150 公分(量測頻率高於 1GHz)之非金屬桌上且可 360 度旋轉的轉盤上，而後調整轉盤角度並從接收機上量得受測物之最大場強。
- 5.2.4. 接收天線距受測物 3 公尺，操作天線升降機使接收天線在離地 1 公尺與 4 公尺間並從接收器量得受測物之最大場強。
- 5.2.5. 在測試頻率範圍內，重覆 5.2.3 及 5.2.4 之步驟，以量得受測物每一頻率點之輻射干擾最大場強。
- 5.2.6. 接收天線的水平極化偏波與垂直極化偏波需分別依上述程序進行量測。
- 5.2.7. 量測頻率低於 1GHz: 場強度之計算，公式如下：
場強結果值(Emission Level)=接收機讀值(Meter Reading)+ 校正因子。

其中校正因子為：

天線因數(Antenna Factor)+電纜損失(Cable Loss)+濾波器損失(若有使用)-放大器增益(若有使用)。

*若峰值已低於準峰值限制值，故不另檢附準峰值之讀值。

頻率範圍量測至主波發射的 10 倍諧波，其他未列在報告上乃因訊號太小無法量測。

5.2.8. 量測頻率高於 1GHz: 場強度之計算，公式如下：

■ 場強結果值(Emission Level)= 接收機讀值(Meter Reading)+ 校正因子。

其中校正因子為：

天線因數(Antenna Factor)+電纜損失(Cable Loss)+濾波器損失(若有使用)-放大器增益(若有使用)。

*若峰值之讀值小於平均值之限制值，故不再對平均值進行讀值。

□ 場強結果值(Average Emission Level)=
峰值場強結果值(Peak Emission Level)+DCCF。

Duty Cycle Correction Factor (DCCF)= $20\log(TX_{on}/TX_{on+off})$ 。

“TX_{on+off}” means the period of the pulse train or 100ms if the pulse train length is greater than 100ms

頻率範圍量測至主波發射的 10 倍諧波，其他未列在報告上乃因訊號太小無法量測。

5.3 量測時受測物之工作狀況

由筆記型電腦修改適用設備 Digital Still Camera 內記憶卡指令，使受測物進行發射/接收動作以進行量測，動作持續不斷直到測試結束。(筆記型電腦僅用於設定程式用)

5.4 量測之不確定度

測 試 項 目	頻率範圍	不確定度
輻射干擾場強量測 (測試距離: 3m)	30MHz~1000MHz	±4.68dB
	1GHz 以上	±5.98dB

5.5 場強輻射之量測結果

量測結果皆合乎標準規定，請參見附錄一。

6 發射頻寬之量測

6.1 適用標準

依據 NCC 低功率射頻電機技術規範 3.10.1.6 節(2)(A)之規定，6 dB 頻寬至少應有 500 kHz。

6.2 量測方法

將射頻輸出連接到頻譜分析儀，進行量測低、中、高的頻帶寬度。設定頻譜分析儀之解析頻寬為 100kHz，視訊頻寬不小於解析頻寬，量測利用差值記號以發射峰值下降 6dB 頻寬作為測試頻寬的基準。

6.3 量測時受測物之工作狀況

由筆記型電腦修改適用設備 Digital Still Camera 內記憶卡指令，使受測物進行發射動作以進行量測，動作持續不斷直到測試結束。(筆記型電腦僅用於設定程式用)

6.4 量測之不確定度

實驗室 6dB 頻寬量測之不確定度為 $\pm 1\text{kHz}$ 。

6.5 發射頻寬之量測結果

量測結果，請參見附錄一。

7 峰值輸出功率之量測

7.1 適用標準

依據 NCC 低功率射頻電機技術規範 3.10.1.2 節(1)(C)之規定，操作 2400 MHz～2483.5 MHz 頻段者，數位調變技術系統：1 W(含) 以下，其發射天線之方向性增益超過 6 dBi，每超過 3 dBi，最大傳導輸出功率限制值應降低 1 dB。

7.2 量測方法

將天線發射端直接連接至 Power Sensor，以 Power Meter 量測。

7.3 量測時受測物之工作狀況

由筆記型電腦修改適用設備 Digital Still Camera 內記憶卡指令，使受測物進行發射動作以進行量測，動作持續不斷直到測試結束。(筆記型電腦僅用於設定程式用)

7.4 量測之不確定度

實驗室峰值輸出功率量測之不確定度為 $\pm 0.52\text{dB}$ 。

7.5 峰值輸出功率之量測結果

量測結果，請參見附錄一。

8 頻帶邊緣之 RF 傳導發射之量測

8.1 適用標準

依據 NCC 低功率射頻電機技術規範 3.10.1.5 節之規定：操作頻帶範圍外之任意 100 kHz 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 kHz 內的射頻功率，其衰減值限制如下：

- (1) 輸出功率以 NCC 低功率射頻電機技術規範附件二之峰值輸出功率方式測量者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。
- (2) 輸出功率以 3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減 30 dB。

此外，落於 2.7 禁用頻段之輻射發射，應符合 2.8 之規定。

8.2 量測方法

將射頻輸出連接到頻譜分析儀，設定頻譜分析儀之解析頻寬為 100kHz，視訊頻寬不小於解析頻寬，所有諧波/混附波必須比許可頻段中最高發射峰值至少低 20dB，並評估許可頻段之最高及最低的頻帶邊緣發射。

8.3 量測時受測物之工作狀況

由筆記型電腦修改適用設備 Digital Still Camera 內記憶卡指令，使受測物進行發射動作以進行量測，動作持續不斷直到測試結束。(筆記型電腦僅用於設定程式用)

8.4 量測之不確定度

實驗室頻帶邊緣之 RF 傳導發射量測之不確定度為 $\pm 0.13\text{dB}$ 。

8.5 頻帶邊緣之 RF 傳導發射之量測結果

量測結果，請參見附錄一。

9 混附發射之 RF 傳導發射之量測

9.1 適用標準

依據 NCC 低功率射頻電機技術規範 3.10.1.5 節(1)之規定：操作頻帶範圍外之任意 100 kHz 內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 kHz 內的射頻功率，至少須衰減 20dB，可使用射頻傳導或輻射方式測量。

9.2 量測方法

將射頻輸出連接到頻譜分析儀，設定頻譜分析儀之解析頻寬為 100kHz，視訊頻寬不小於解析頻寬，掃描範圍為 30MHz~25GHz 之所有頻帶，其所有諧波/混附發射波須比許可頻帶中之最高峰值至少低 20dB，評估受測物之最高及最低頻帶的混附發射分佈。

9.3 量測時受測物之工作狀況

由筆記型電腦修改適用設備 Digital Still Camera 內記憶卡指令，使受測物進行發射動作以進行量測，動作持續不斷直到測試結束。(筆記型電腦僅用於設定程式用)

9.4 量測之不確定度

實驗室混附發射之 RF 傳導發射量測之不確定度為 $\pm 0.13\text{dB}$ 。

9.5 混附發射之 RF 傳導發射之量測結果

量測結果，請參見附錄一。

10 功率密度之量測

10.1 適用標準

依據 NCC 低功率射頻電機技術規範 3.10.1.6 節(2)(B)之規定，在使用頻率範圍之任一 3 kHz 頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於 8 毫分貝(dBm)，且應依 3.10.1.3(節)之方式降低功率頻譜密度限制值。

10.2 量測方法

將射頻輸出連接到頻譜分析儀，設定頻譜分析儀之解析頻寬為 100kHz 但最小不得小於 3kHz，視訊頻寬大於解析頻寬，並量測其主波範圍內峰值位準，位準值不得大於 8dBm。

10.3 量測時受測物之工作狀況

由筆記型電腦修改適用設備 Digital Still Camera 內記憶卡指令，使受測物進行發射動作以進行量測，動作持續不斷直到測試結束。(筆記型電腦僅用於設定程式用)

10.4 量測之不確定度

實驗室功率密度量測之不確定度為 $\pm 0.33\text{dB}$ 。

10.5 功率密度之量測結果

量測結果，請參見附錄一。

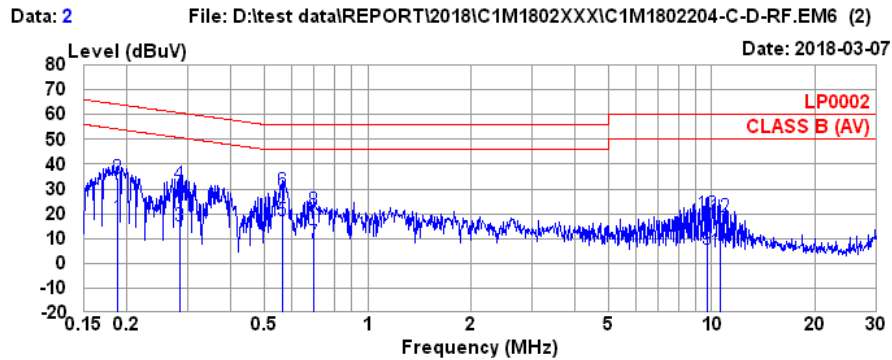
附錄 一

受測裝置之測試結果

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1. 電源線傳導干擾之量測

測試日期	2018/03/07	環境溫/濕度	23°C/51%
測試電壓	AC 110V/60Hz (經 Digital Still Camera 之電源供應器供電)		

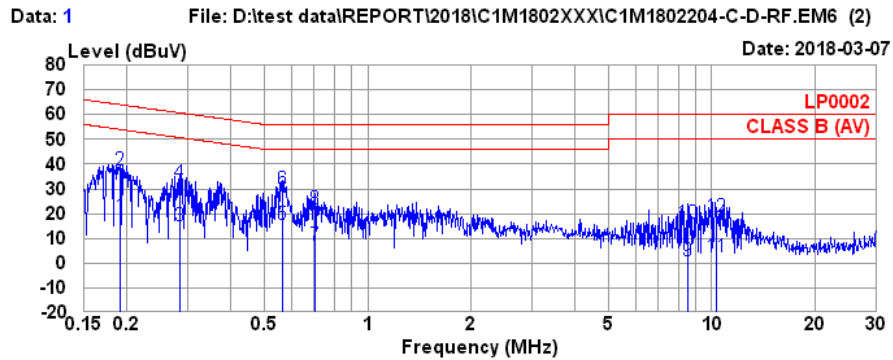


Site no. : No.7 Shielded Room Data no. : 2
Condition : ESH2-Z5 366(ADAPTER) Phase : NEUTRAL
Limit : LP0002
Env. / Ins. : 23°C / 51% ESCI(1276) Engineer : Nick Du
EUT : WW771132
Power Rating : 110Vac/60Hz
Test Mode : Operating

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.187	0.17	0.04	9.86	8.20	18.27	54.15	35.88	Average
2	0.187	0.17	0.04	9.86	24.35	34.42	64.15	29.73	QP
3	0.285	0.18	0.04	9.86	5.04	15.12	50.68	35.56	Average
4	0.285	0.18	0.04	9.86	21.63	31.71	60.68	28.97	QP
5	0.567	0.20	0.04	9.86	7.26	17.36	46.00	28.64	Average
6	0.567	0.20	0.04	9.86	19.27	29.37	56.00	26.63	QP
7	0.697	0.21	0.05	9.86	-1.93	8.19	46.00	37.81	Average
8	0.697	0.21	0.05	9.86	11.22	21.34	56.00	34.66	QP
9	9.705	0.52	0.23	9.89	-5.04	5.60	50.00	44.40	Average
10	9.705	0.52	0.23	9.89	9.35	19.99	60.00	40.01	QP
11	10.620	0.57	0.24	9.89	-5.86	4.84	50.00	45.16	Average
12	10.620	0.57	0.24	9.89	7.98	18.68	60.00	41.32	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.
2. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

測試日期	2018/03/07	環境溫/濕度	23°C/51%
測試電壓	AC 110V/60Hz (經 Digital Still Camera 之電源供應器供電)		



Site no. : No.7 Shielded Room Data no. : 1
Condition : ESH2-Z5 366(ADAPTER) Phase : LINE
Limit : LP0002
Env. / Ins. : 23°C / 51% ESCI(1276) Engineer : Nick Du
EUT : WW771132
Power Rating : 110Vac/60Hz
Test Mode : Operaing

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.191	0.16	0.04	9.86	8.57	18.63	53.98	35.35	Average
2	0.191	0.16	0.04	9.86	27.58	37.64	63.98	26.34	QP
3	0.285	0.17	0.04	9.86	5.13	15.20	50.68	35.48	Average
4	0.285	0.17	0.04	9.86	22.26	32.33	60.68	28.35	QP
5	0.567	0.19	0.04	9.86	5.52	15.61	46.00	30.39	Average
6	0.567	0.19	0.04	9.86	19.69	29.78	56.00	26.22	QP
7	0.701	0.20	0.05	9.86	-2.68	7.43	46.00	38.57	Average
8	0.701	0.20	0.05	9.86	11.94	22.05	56.00	33.95	QP
9	8.521	0.53	0.22	9.89	-9.72	0.92	50.00	49.08	Average
10	8.521	0.53	0.22	9.89	5.54	16.18	60.00	43.82	QP
11	10.273	0.59	0.23	9.89	-8.33	2.38	50.00	47.62	Average
12	10.273	0.59	0.23	9.89	7.80	18.51	60.00	41.49	QP

Remarks: 1. Emission Level= AMN Factor + Cable Loss + Pulse Att. + Reading.
2. If the average limit is met when using a quasi-peak detector,
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

2. 場強輻射之量測

對受測物裝置(置於 Digital Still Camera 內)之其他不必要之發射(測至本地頻率之 10 次諧波)依下列測試模式分別於電波暗室內進行量測；實驗室對 Digital Still Camera 分別以三種不同的擺設方式(平放、站立、側立)模式進行量試評估，最後選取最大場強值的擺設方式-(站立)以低、中、高頻率來進行量測，並將所有模式之掃頻圖檢附於附錄中；最後，選擇較差模式進行讀值之測量，所得讀值資料請見章節 2.1 ~ 2.2：

Wireless LAN 模式

支援 IEEE 802.11b/g/n，依測試要求評估低、中、高頻率，並檢附三頻率之最差模式於此測試報告中。

模式	動作狀態	基本頻率	量測頻率範圍
Wireless LAN 測試模式 (802.11b)			
1	發射	2462MHz (CH11)	1000-3000MHz
2			3000-8000MHz
3			8000-18000MHz
4			18000-25000MHz
Wireless LAN 測試模式 (802.11g)			
5	發射	2462MHz (CH11)	1000-3000MHz
6			3000-8000MHz
7			8000-18000MHz
8			18000-25000MHz
Wireless LAN 測試模式 (802.11n-HT20)			
9	發射	2437MHz* (CH6)	30-1000MHz
10			1000-3000MHz
11			3000-8000MHz
12			8000-18000MHz
13			18000-25000MHz
Wireless LAN 測試模式			
14	接收	2437MHz (CH6)	30-1000MHz
15			1000-3000MHz
16			3000-8000MHz
17			8000-18000MHz
18			18000-25000MHz

註: 1.以上所有模式之掃頻圖是檢附於附錄中。

2.*: 經評估後，以最差頻率進行 30-1000MHz 量測。

BLE 測試模式

模式	動作狀態	基本頻率	量測頻率範圍
1	發射	2402MHz (CH37)	1000-3000MHz
2			3000-8000MHz
3			8000-18000MHz
4			18000-25000MHz
5		2440MHz (CH17)	1000-3000MHz
6			3000-8000MHz
7			8000-18000MHz
8			18000-25000MHz
9		2480MHz* (CH39)	30-1000MHz
10			1000-3000MHz
11			3000-8000MHz
12			8000-18000MHz
13			18000-25000MHz
14	接收	2440MHz (CH17)	30-1000MHz
15			1000-3000MHz
16			3000-8000MHz
17			8000-18000MHz
18			18000-25000MHz

註: 1.以上所有模式之掃頻圖是檢附於附錄中。

2.*: 經評估後，以最差頻率進行 30-1000MHz 量測。

對受測物裝置落於技術規範第 2.7 章節的禁用頻率之混附發射以下列測試模式依規定分別進行量測，所得量測資料請見章節 2.3。

模式	動作狀態	基本頻率	量測頻率範圍
Wireless LAN 測試模式 (802.11b)			
1	發射	2412MHz (CH1)	2310-2430MHz
2		2462MHz (CH11)	2450-2530MHz
Wireless LAN 測試模式 (802.11g)			
4	發射	2412MHz (CH1)	2310-2430MHz
5		2462MHz (CH11)	2450-2530MHz
Wireless LAN 測試模式 (802.11n-HT20)			
7	發射	2412MHz (CH1)	2310-2430MHz
8		2462MHz (CH11)	2450-2530MHz
BLE 測試模式			
9	發射	2402MHz (CH37)	2310-2430MHz
10		2480MHz (CH39)	2450-2530MHz

測試日期	2018/02/27	環境溫/濕度	20°C/49%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)		

2.1. 30-1000MHz 頻率範圍，其他不必要發射量測

● Wireless LAN 模式

Mode	802.11n-HT20	Frequency	TX 2437MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
101.78	17.60	2.29	4.52	24.41	43.50	19.09	Peak
121.18	18.75	2.52	6.25	27.52	43.50	15.98	Peak
148.34	17.17	2.81	6.69	26.67	43.50	16.83	Peak
175.50	15.62	3.09	11.55	30.26	43.50	13.24	Peak
202.66	15.96	3.37	9.75	29.08	43.50	14.42	Peak
256.98	19.21	3.89	7.62	30.72	46.00	15.28	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
60.07	12.54	1.73	6.84	21.11	40.00	18.89	Peak
94.99	16.56	2.21	5.11	23.88	43.50	19.62	Peak
121.18	18.75	2.52	7.35	28.62	43.50	14.88	Peak
175.50	15.62	3.09	12.83	31.54	43.50	11.96	Peak
202.66	15.96	3.37	7.13	26.46	43.50	17.04	Peak
256.98	19.21	3.89	3.31	26.41	46.00	19.59	Peak

Mode	Wireless LAN	Frequency	RX 2437MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
121.18	18.75	2.52	3.89	25.16	43.50	18.34	Peak
175.50	15.62	3.09	7.90	26.61	43.50	16.89	Peak
256.98	19.21	3.89	4.76	27.86	46.00	18.14	Peak
323.91	20.18	4.65	3.10	27.93	46.00	18.07	Peak
591.63	24.52	6.72	2.11	33.35	46.00	12.65	Peak
759.44	25.53	7.41	1.44	34.38	46.00	11.62	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
94.99	16.56	2.21	5.26	24.03	43.50	19.47	Peak
121.18	18.75	2.52	7.71	28.98	43.50	14.52	Peak
148.34	17.17	2.81	5.42	25.40	43.50	18.10	Peak
175.50	15.62	3.09	7.70	26.41	43.50	17.09	Peak
202.66	15.96	3.37	3.55	22.88	43.50	20.62	Peak
256.01	19.20	3.87	2.94	26.01	46.00	19.99	Peak

● BLE 測試模式

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
101.78	17.60	2.29	3.92	23.81	43.50	19.69	Peak
121.18	18.75	2.52	6.55	27.82	43.50	15.68	Peak
175.50	15.62	3.09	11.51	30.22	43.50	13.28	Peak
229.82	17.88	3.63	6.78	28.29	46.00	17.71	Peak
256.98	19.21	3.89	10.15	33.25	46.00	12.75	Peak
283.17	19.38	4.15	4.37	27.90	46.00	18.10	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
94.99	16.56	2.21	5.26	24.03	43.50	19.47	Peak
121.18	18.75	2.52	8.06	29.33	43.50	14.17	Peak
148.34	17.17	2.81	7.97	27.95	43.50	15.55	Peak
175.50	15.62	3.09	13.65	32.36	43.50	11.14	Peak
202.66	15.96	3.37	7.10	26.43	43.50	17.07	Peak
256.98	19.21	3.89	6.59	29.69	46.00	16.31	Peak

Mode	BLE	Frequency	RX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
101.78	17.60	2.29	3.29	23.18	43.50	20.32	Peak
121.18	18.75	2.52	3.27	24.54	43.50	18.96	Peak
175.50	15.62	3.09	8.40	27.11	43.50	16.39	Peak
202.66	15.96	3.37	5.18	24.51	43.50	18.99	Peak
256.98	19.21	3.89	4.54	27.64	46.00	18.36	Peak
785.63	25.77	7.53	1.55	34.85	46.00	11.15	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
60.07	12.54	1.73	8.11	22.38	40.00	17.62	Peak
101.78	17.60	2.29	3.32	23.21	43.50	20.29	Peak
121.18	18.75	2.52	6.80	28.07	43.50	15.43	Peak
175.50	15.62	3.09	7.09	25.80	43.50	17.70	Peak
256.98	19.21	3.89	1.68	24.78	46.00	21.22	Peak
762.35	25.55	7.42	1.56	34.53	46.00	11.47	Peak

2.2. 1000MHz 以上頻率範圍，其他不必要發射量測

● Wireless LAN 模式

Mode	802.11b	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4925.00	33.28	9.58	-1.32	41.54	54.00	12.46	Peak
7385.00	36.33	11.99	-2.46	45.86	54.00	8.14	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4925.00	33.28	9.58	-2.52	40.34	54.00	13.66	Peak
7385.00	36.33	11.99	-2.17	46.15	54.00	7.85	Peak

Mode	802.11g	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4925.00	33.28	9.58	-2.14	40.72	54.00	13.28	Peak
7385.00	36.33	11.99	-2.73	45.59	54.00	8.41	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4925.00	33.28	9.58	-2.73	40.13	54.00	13.87	Peak
7385.00	36.33	11.99	-2.71	45.61	54.00	8.39	Peak

Mode	802.11n-HT20	Frequency	TX 2437MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4875.00	33.18	9.56	-2.29	40.45	54.00	13.55	Peak
7310.00	36.11	11.90	-1.65	46.36	54.00	7.64	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4875.00	33.18	9.56	-2.50	40.24	54.00	13.76	Peak
7310.00	36.11	11.90	-2.49	45.52	54.00	8.48	Peak

● BLE 測試模式

Mode	BLE	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4805.00	33.06	9.54	-1.41	41.19	54.00	12.81	Peak
7205.00	35.84	11.80	-3.81	43.83	54.00	10.17	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4805.00	33.06	9.54	-0.06	42.54	54.00	11.46	Peak
7205.00	35.84	11.80	-3.85	43.79	54.00	10.21	Peak

Mode	BLE	Frequency	TX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.00	33.18	9.56	-0.50	42.24	54.00	11.76	Peak
7320.00	36.15	11.92	-2.65	45.42	54.00	8.58	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.00	33.18	9.56	-1.13	41.61	54.00	12.39	Peak
7320.00	36.15	11.92	-2.62	45.45	54.00	8.55	Peak

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	33.34	9.60	-0.83	42.11	54.00	11.89	Peak
7440.00	36.47	12.04	-2.59	45.92	54.00	8.08	Peak

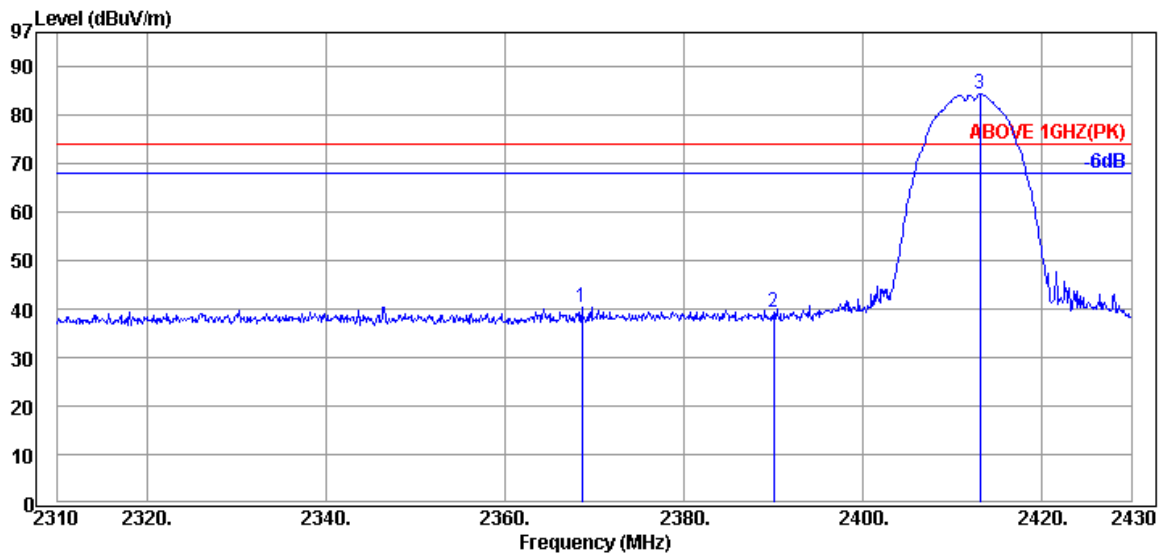
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.00	33.34	9.60	-1.32	41.62	54.00	12.38	Peak
7440.00	36.47	12.04	-2.63	45.88	54.00	8.12	Peak

2.3. 禁用頻帶量測結果 (其他不必要發射)

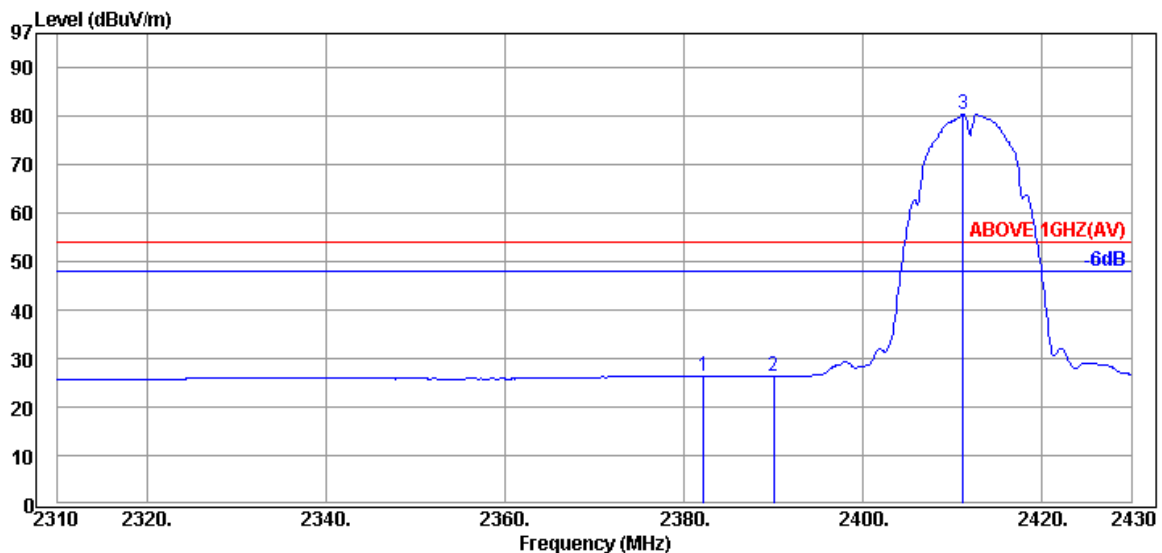
- Wireless LAN 模式

Mode	802.11b	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2368.56	28.43	6.55	5.42	40.40	74.00	33.60	Peak
2390.04	28.47	6.57	4.13	39.17	74.00	34.83	Peak
@ 2413.08	28.51	6.59	49.14	84.24	---	---	Peak

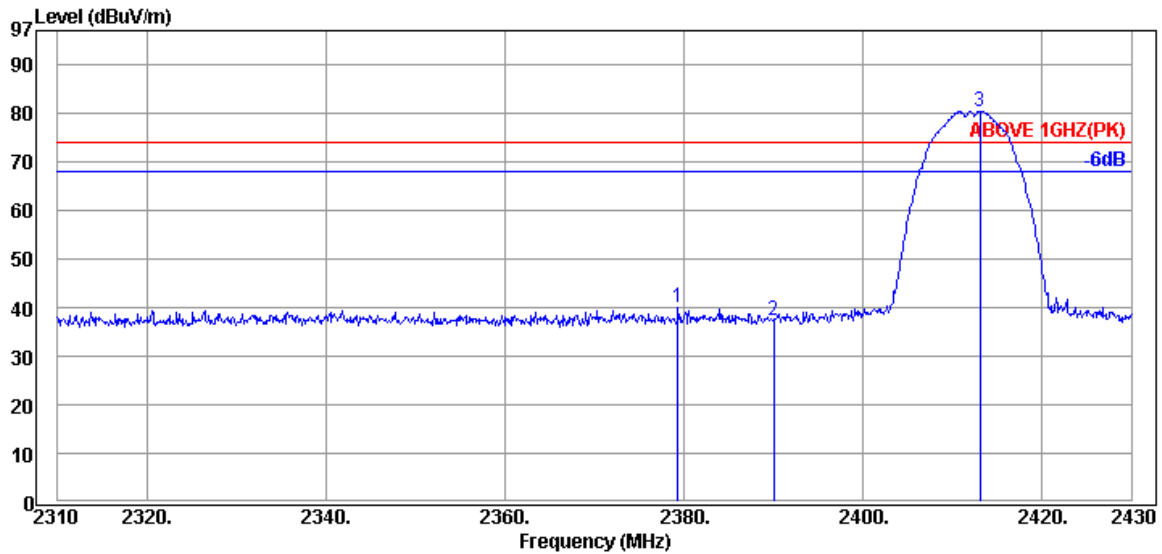


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2382.24	28.43	6.55	-8.56	26.42	54.00	27.58	Average
2390.04	28.47	6.57	-8.62	26.42	54.00	27.58	Average
@ 2411.16	28.51	6.59	45.32	80.42	---	---	Average

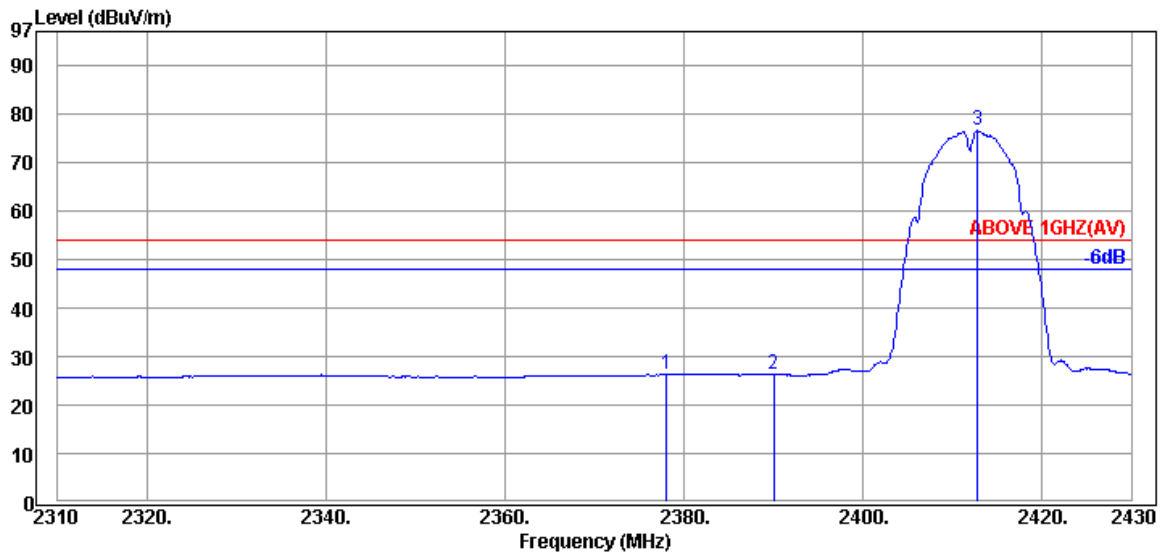
備註: “@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2379.36	28.43	6.55	4.97	39.95	74.00	34.05	Peak
2390.04	28.47	6.57	2.15	37.19	74.00	36.81	Peak
@ 2413.08	28.51	6.59	45.37	80.47	---	---	Peak

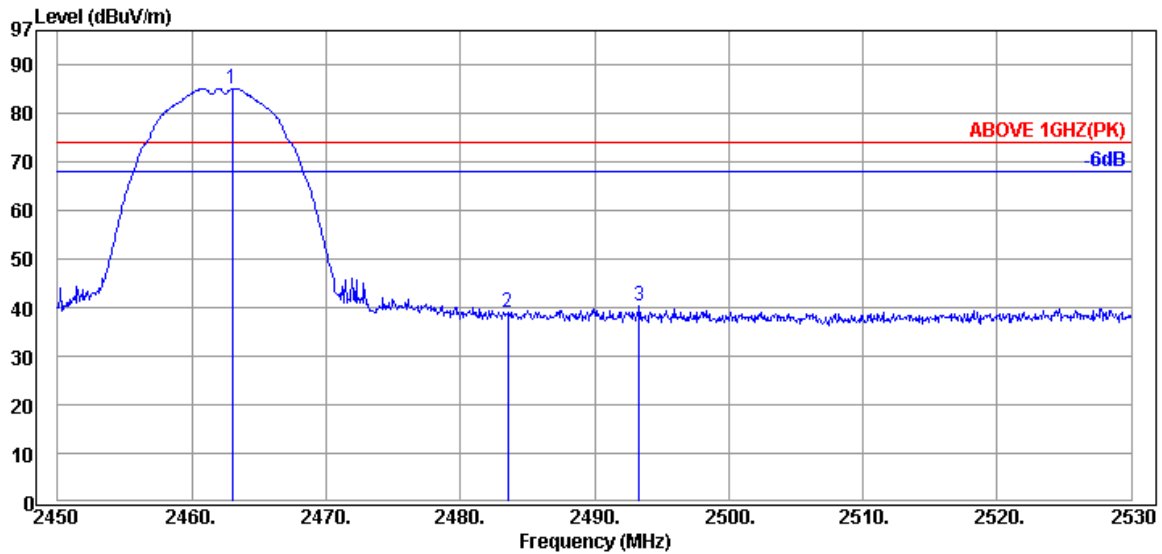


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2378.04	28.43	6.55	-8.61	26.37	54.00	27.63	Average
2390.04	28.47	6.57	-8.80	26.24	54.00	27.76	Average
@ 2412.84	28.51	6.59	41.46	76.56	---	---	Average

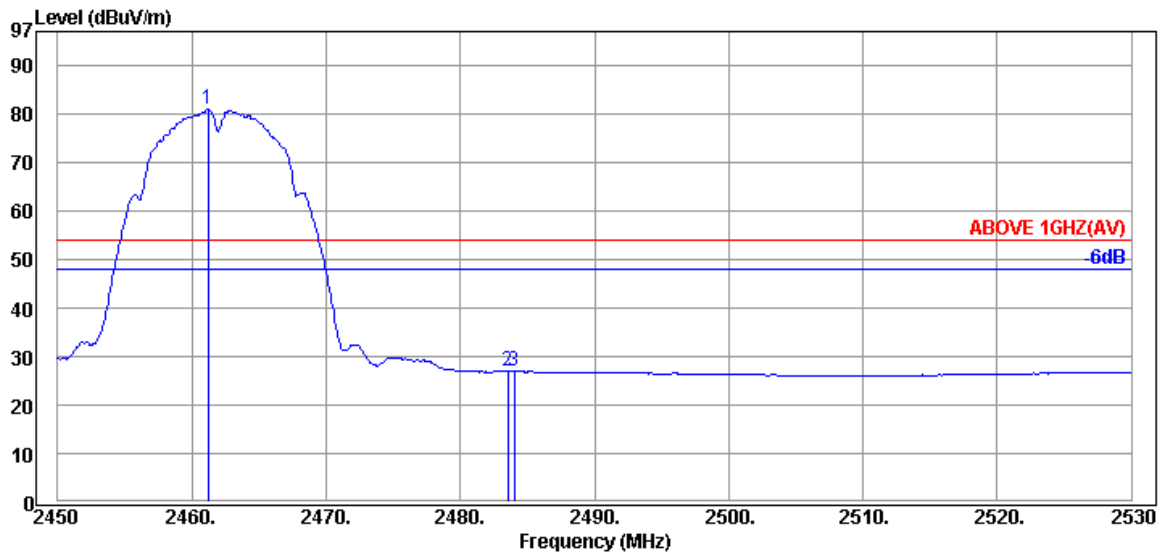
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2463.04	28.62	6.65	49.80	85.07	---	---	Peak
	2483.52	28.66	6.67	3.83	39.16	74.00	34.84	Peak
	2493.36	28.70	6.69	4.88	40.27	74.00	33.73	Peak

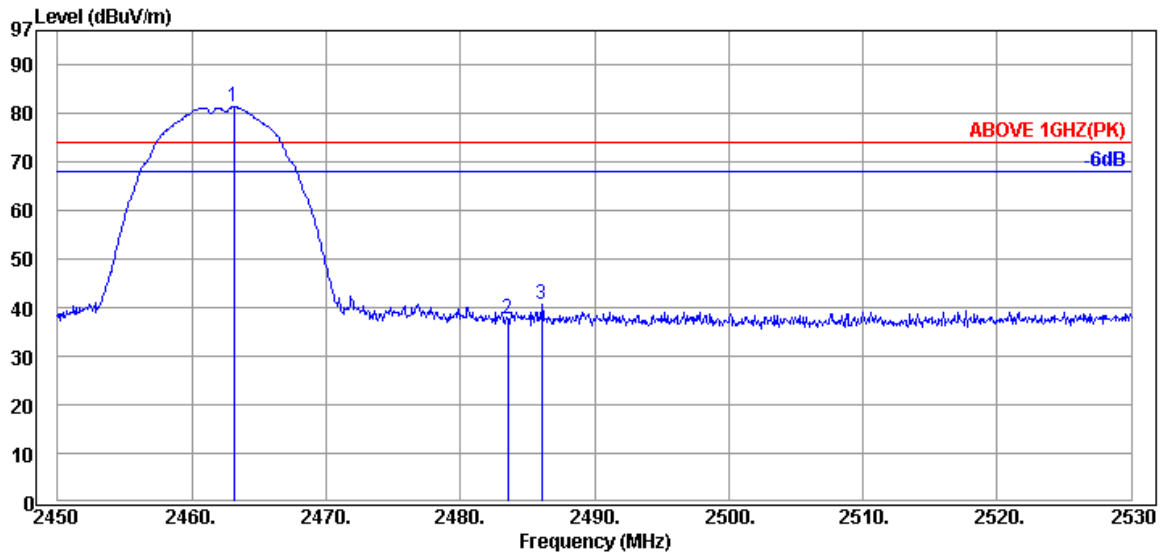


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.20	28.62	6.65	45.71	80.98	---	---	Average
	2483.52	28.66	6.67	-8.43	26.90	54.00	27.10	Average
	2484.00	28.66	6.67	-8.44	26.89	54.00	27.11	Average

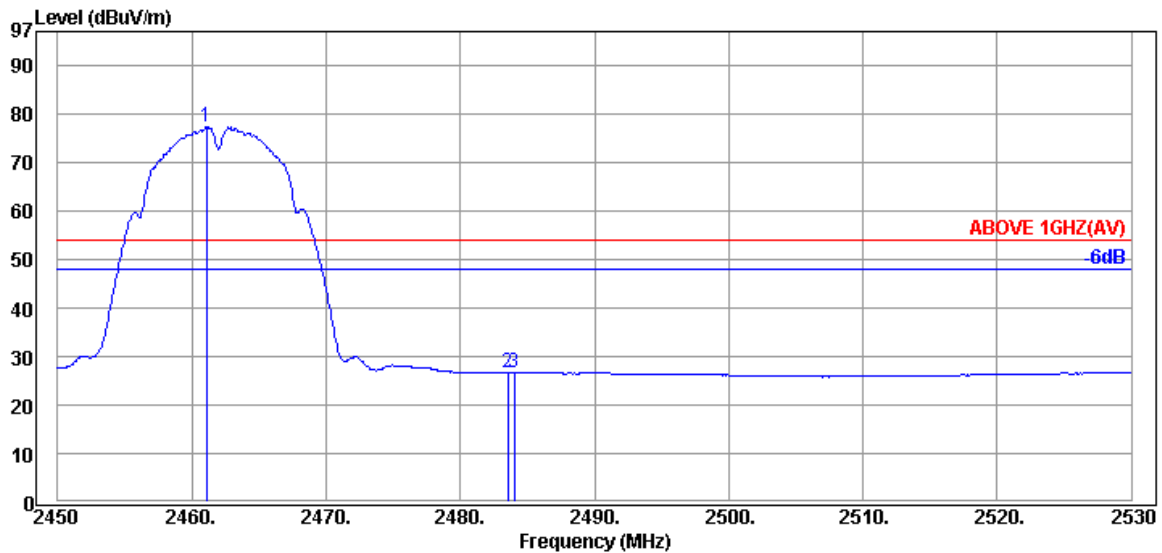
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11b	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2463.12	28.62	6.65	45.98	81.25	---	---	Peak
	2483.52	28.66	6.67	2.18	37.51	74.00	36.49	Peak
	2486.08	28.66	6.67	5.46	40.79	74.00	33.21	Peak

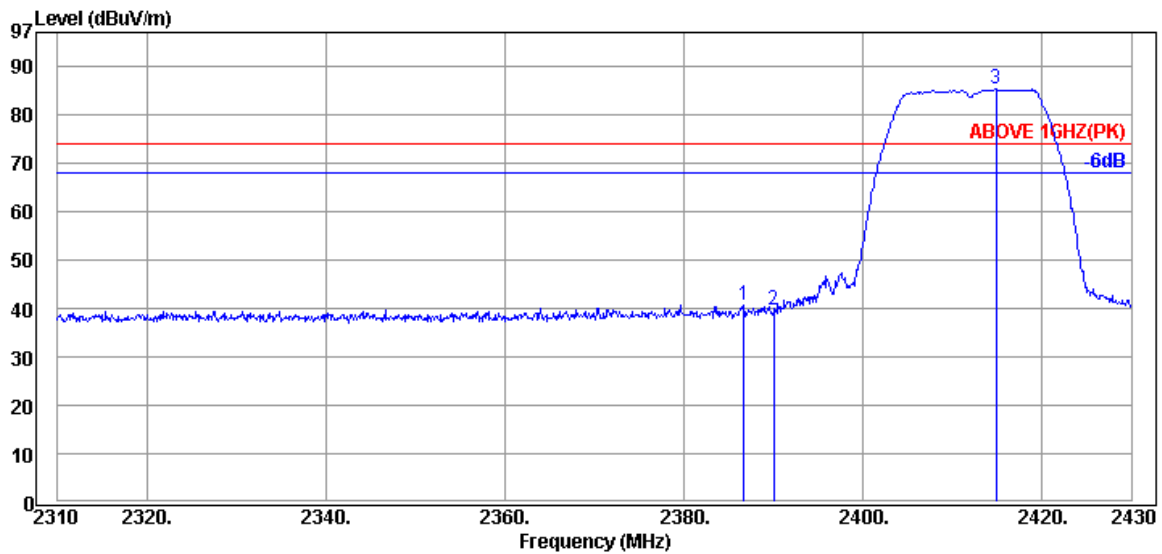


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2461.12	28.62	6.65	41.99	77.26	---	---	Average
	2483.52	28.66	6.67	-8.66	26.67	54.00	27.33	Average
	2484.00	28.66	6.67	-8.63	26.70	54.00	27.30	Average

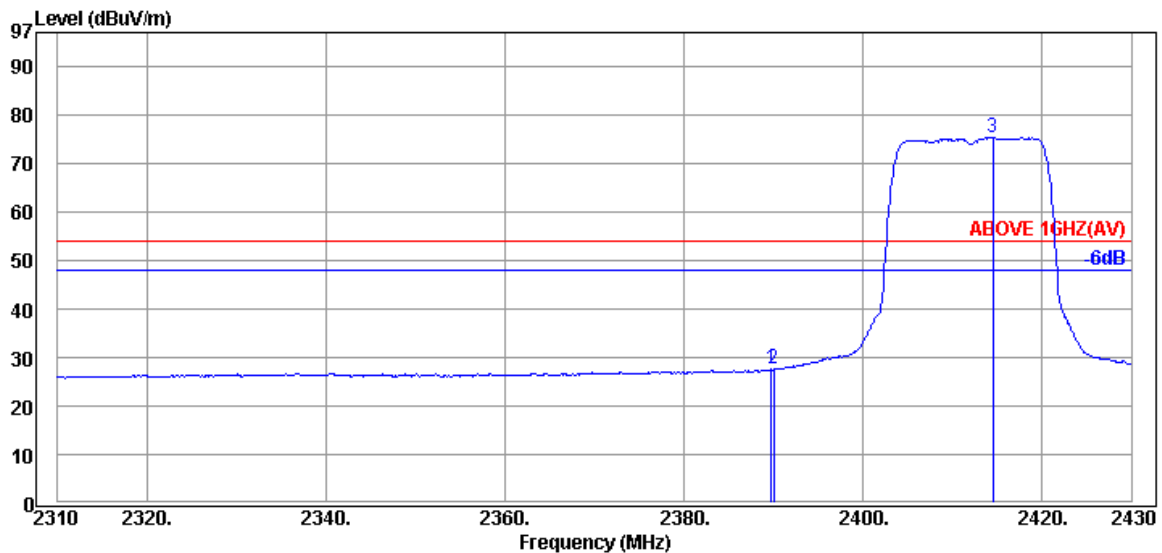
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2386.68	28.47	6.57	5.79	40.83	74.00	33.17	Peak
2390.04	28.47	6.57	4.57	39.61	74.00	34.39	Peak
@ 2414.88	28.51	6.59	50.23	85.33	---	---	Peak

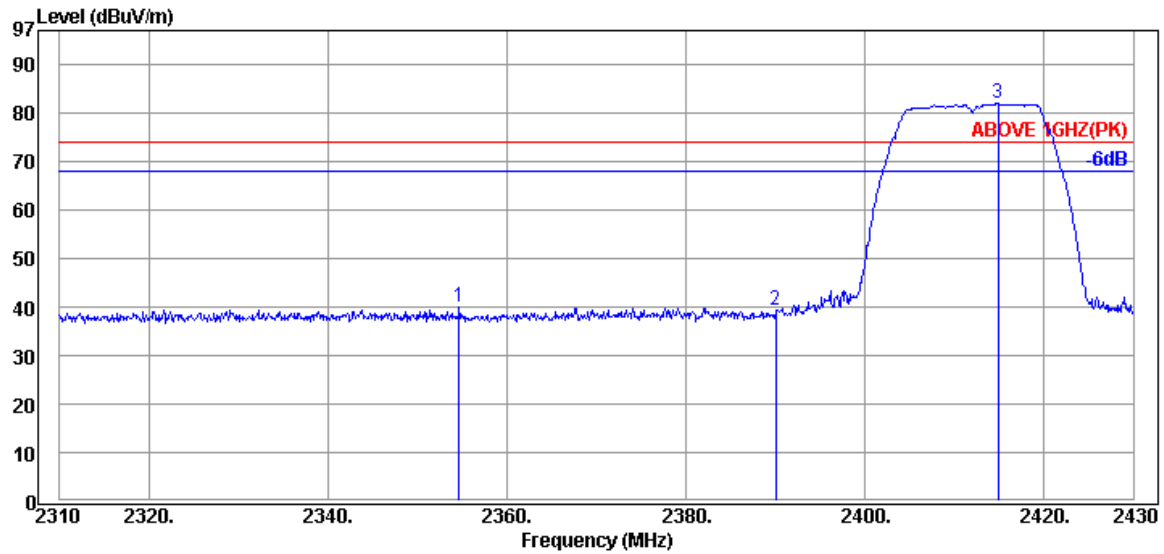


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.80	28.47	6.57	-7.51	27.53	54.00	26.47	Average
2390.04	28.47	6.57	-7.53	27.51	54.00	26.49	Average
@ 2414.52	28.51	6.59	40.23	75.33	---	---	Average

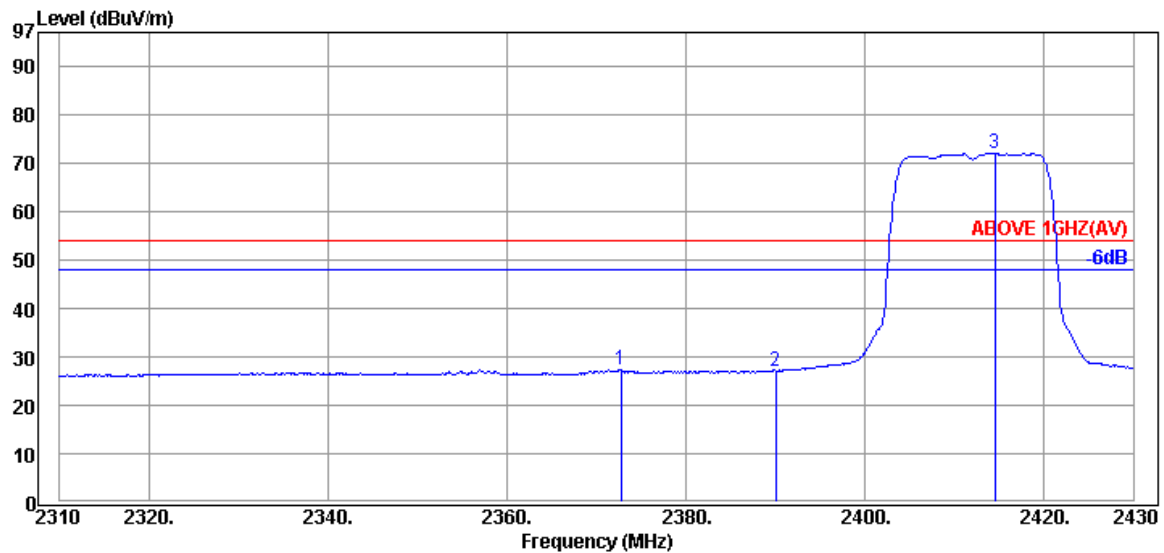
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2354.64	28.40	6.53	5.15	40.08	74.00	33.92	Peak
2390.04	28.47	6.57	4.42	39.46	74.00	34.54	Peak
@ 2414.88	28.51	6.59	46.86	81.96	---	---	Peak

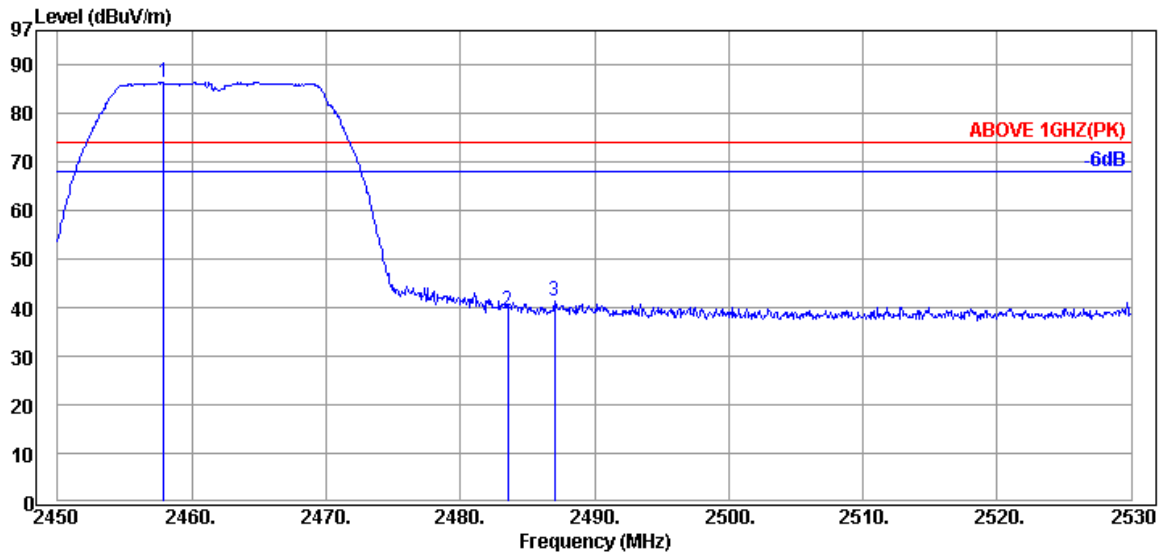


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2372.76	28.43	6.55	-7.65	27.33	54.00	26.67	Average
2390.04	28.47	6.57	-7.94	27.10	54.00	26.90	Average
@ 2414.52	28.51	6.59	37.00	72.10	---	---	Average

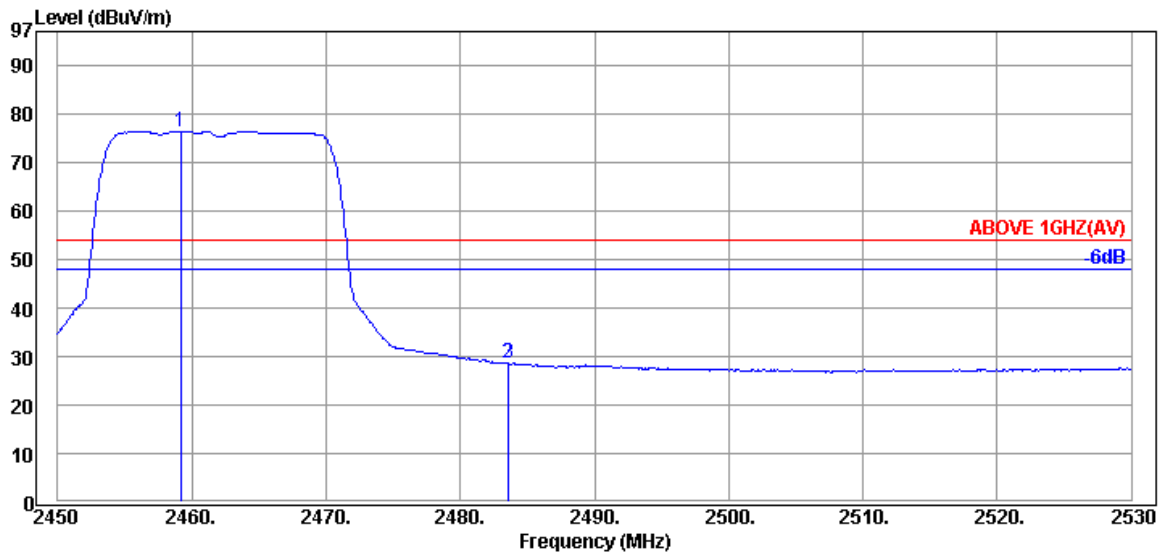
備註: “@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2457.92	28.62	6.65	51.10	86.37	---	---	Peak
	2483.52	28.66	6.67	4.09	39.42	74.00	34.58	Peak
	2487.04	28.66	6.67	6.11	41.44	74.00	32.56	Peak

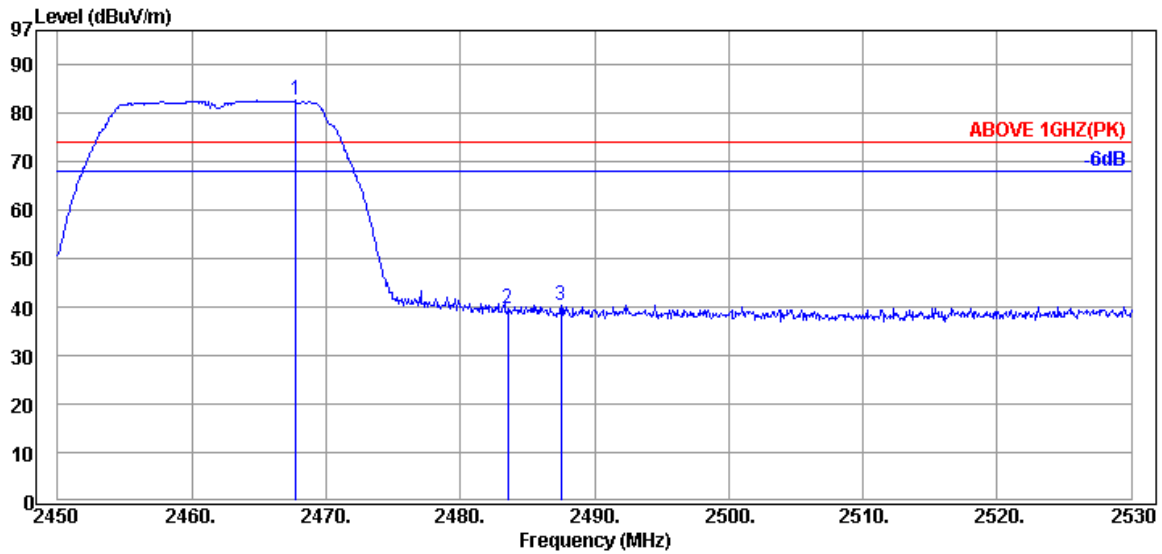


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2459.20	28.62	6.65	41.18	76.45	---	---	Average
	2483.52	28.66	6.67	-6.78	28.55	54.00	25.45	Average
	2483.60	28.66	6.67	-6.67	28.66	54.00	25.34	Average

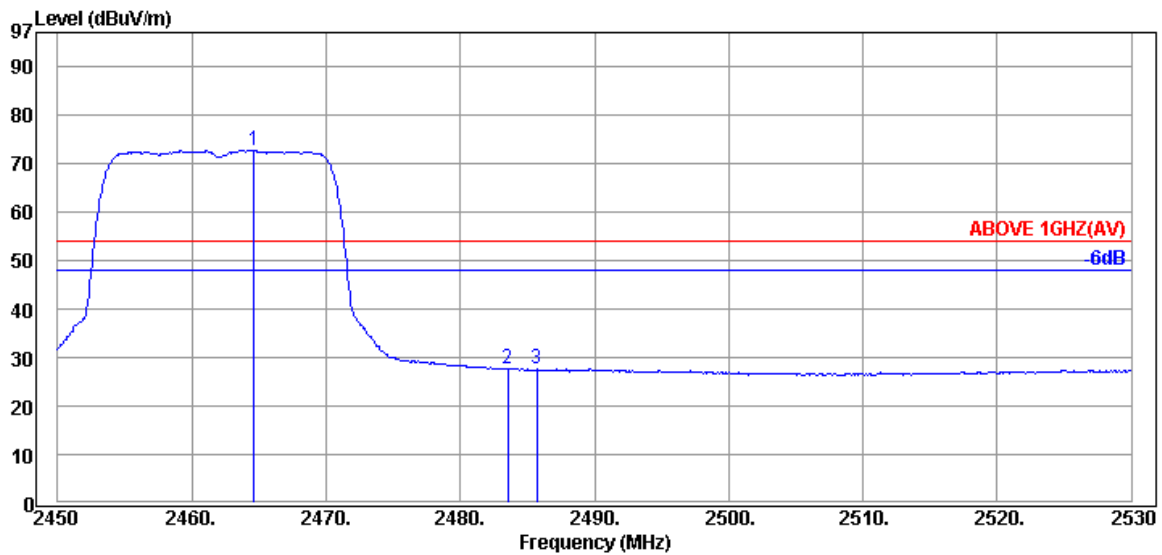
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11g	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2467.76	28.62	6.65	47.33	82.60	---	---	Peak
	2483.52	28.66	6.67	4.30	39.63	74.00	34.37	Peak
	2487.52	28.70	6.69	4.89	40.28	74.00	33.72	Peak

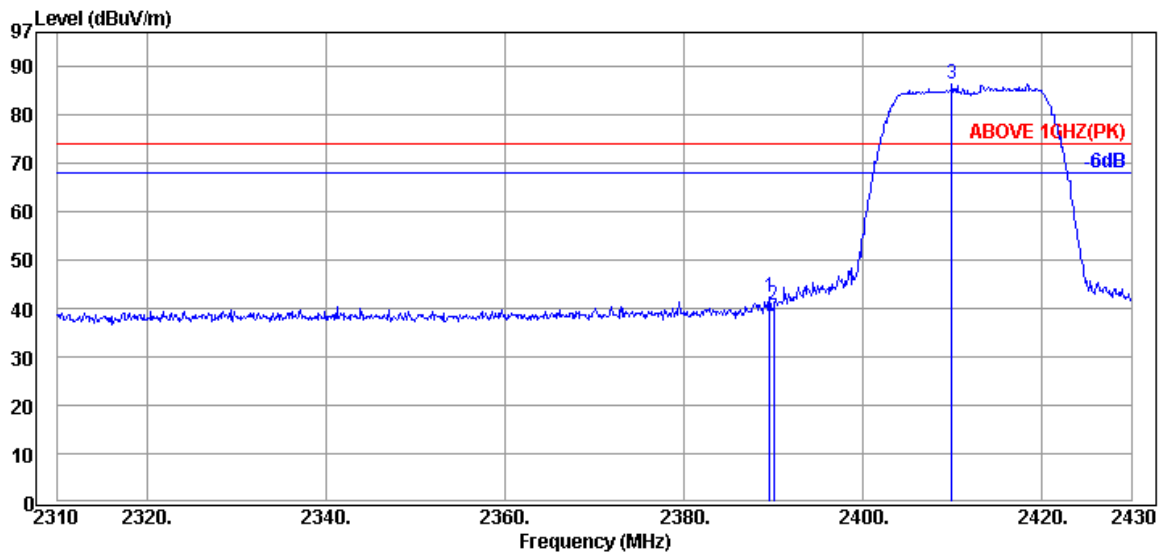


Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2464.64	28.62	6.65	37.37	72.64	---	---	Average
	2483.52	28.66	6.67	-7.70	27.63	54.00	26.37	Average
	2485.68	28.66	6.67	-7.63	27.70	54.00	26.30	Average

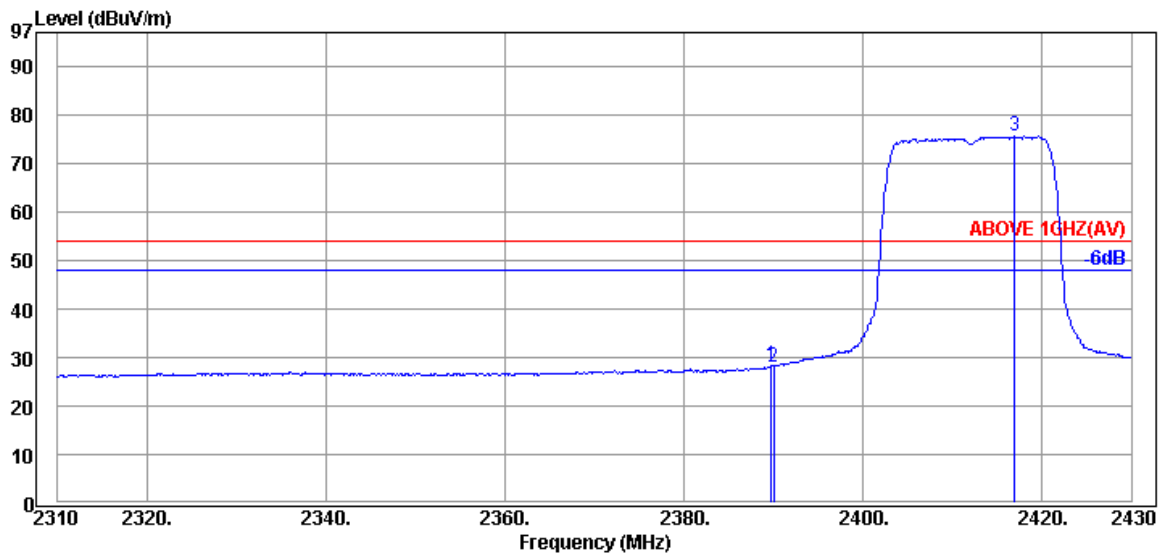
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.56	28.47	6.57	7.34	42.38	74.00	31.62	Peak
2390.04	28.47	6.57	5.53	40.57	74.00	33.43	Peak
@ 2409.96	28.51	6.59	51.12	86.22	---	---	Peak

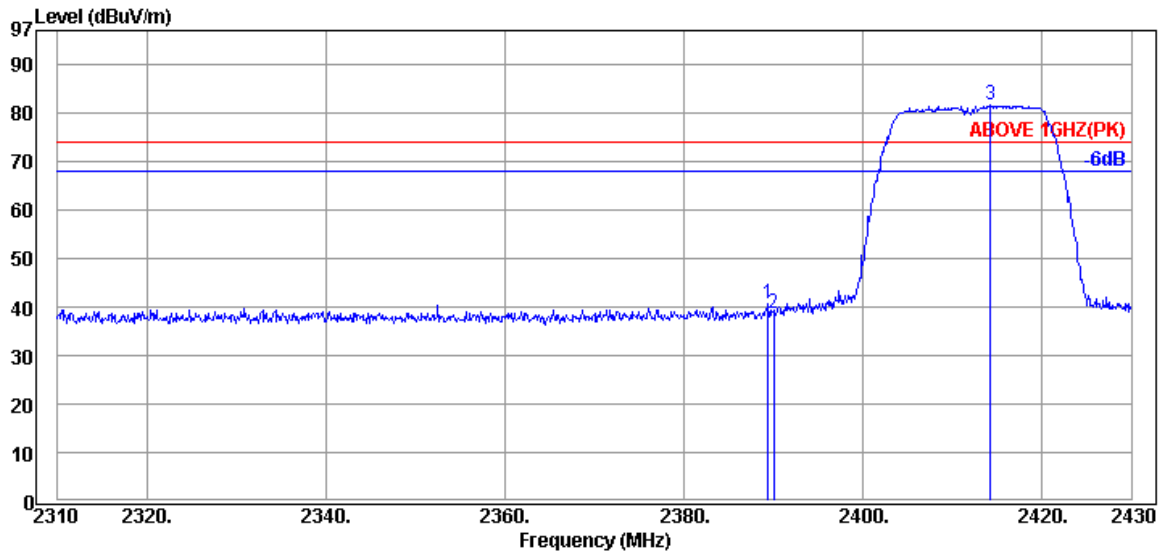


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.80	28.47	6.57	-6.72	28.32	54.00	25.68	Average
2390.04	28.47	6.57	-6.89	28.15	54.00	25.85	Average
@ 2416.92	28.51	6.59	40.44	75.54	---	---	Average

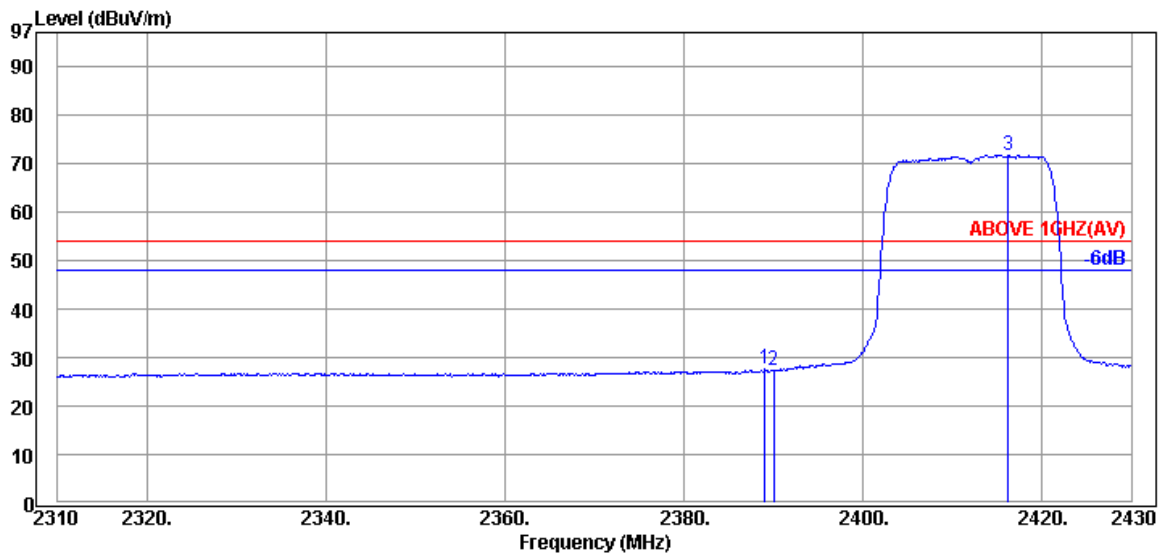
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2412MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2389.44	28.47	6.57	5.50	40.54	74.00	33.46	Peak
2390.04	28.47	6.57	3.50	38.54	74.00	35.46	Peak
@ 2414.28	28.51	6.59	46.70	81.80	---	---	Peak

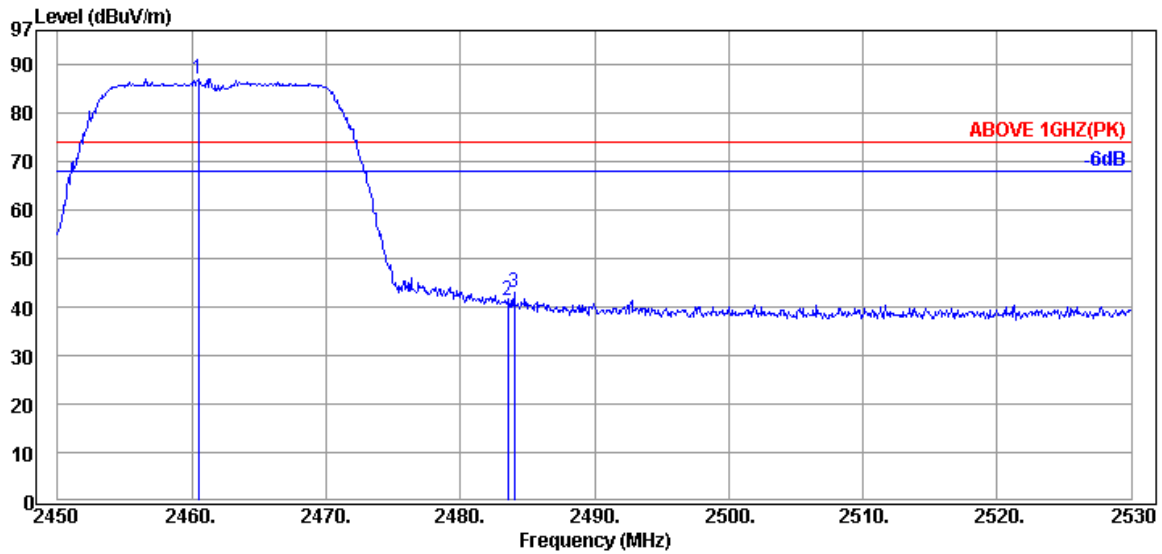


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
2389.08	28.47	6.57	-7.50	27.54	54.00	26.46	Average
2390.04	28.47	6.57	-7.61	27.43	54.00	26.57	Average
@ 2416.20	28.51	6.59	36.56	71.66	---	---	Average

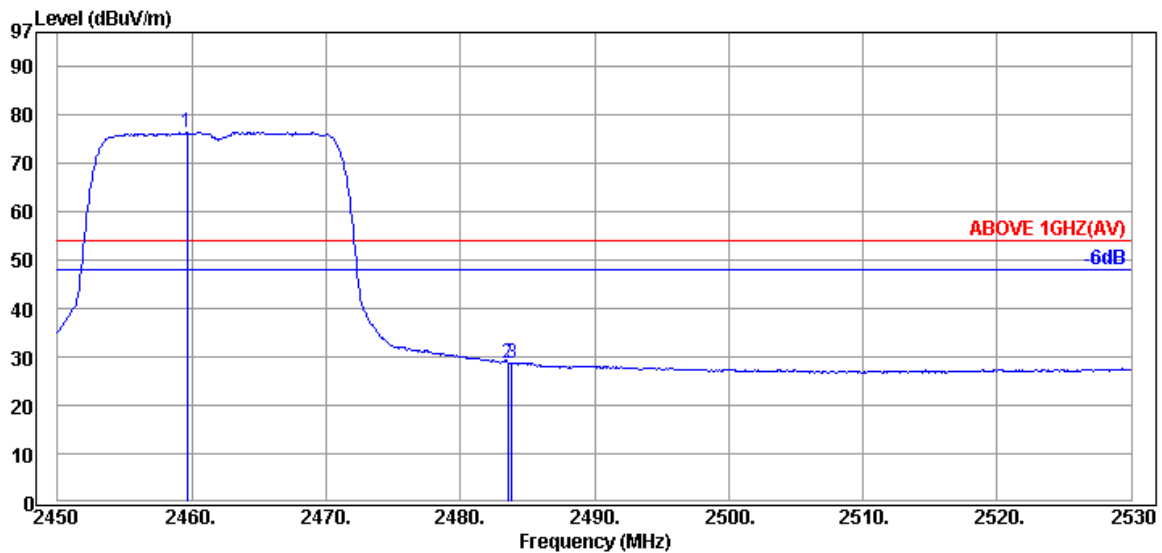
備註: “@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2462MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2460.48	28.62	6.65	51.79	87.06	---	---	Peak
	2483.52	28.66	6.67	6.01	41.34	74.00	32.66	Peak
	2484.00	28.66	6.67	7.61	42.94	74.00	31.06	Peak

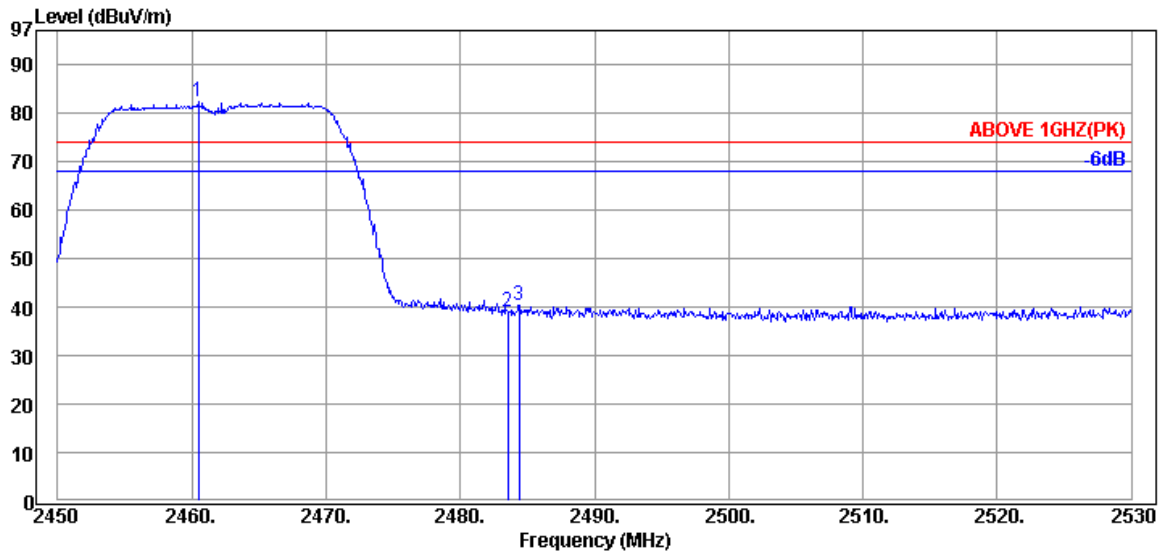


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2459.68	28.62	6.65	41.07	76.34	---	---	Average
	2483.52	28.66	6.67	-6.58	28.75	54.00	25.25	Average
	2483.84	28.66	6.67	-6.53	28.80	54.00	25.20	Average

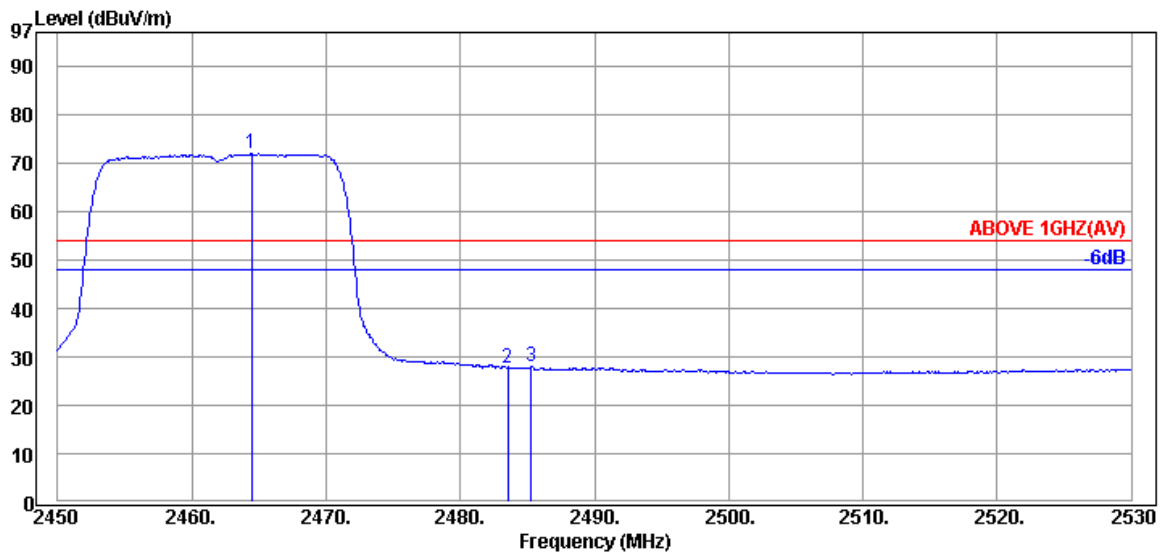
備註：“@”為主波，在此章節是不予以判定。

Mode	802.11n-HT20	Frequency	TX 2462MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2460.48	28.62	6.65	47.00	82.27	---	---	Peak
	2483.52	28.66	6.67	3.58	38.91	74.00	35.09	Peak
	2484.40	28.66	6.67	5.13	40.46	74.00	33.54	Peak



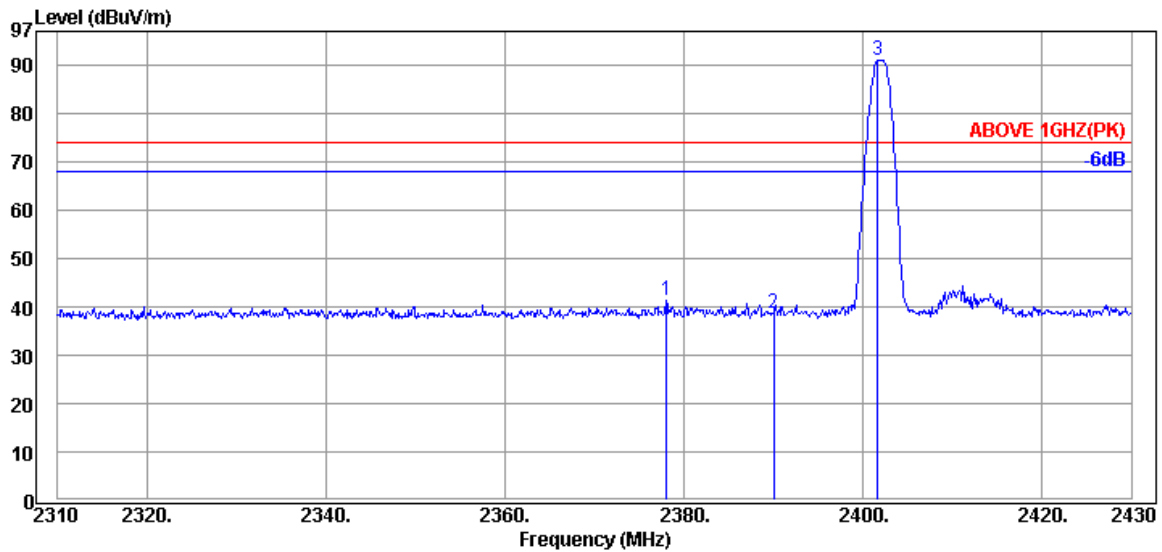
Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2464.48	28.62	6.65	36.59	71.86	---	---	Average
	2483.52	28.66	6.67	-7.51	27.82	54.00	26.18	Average
	2485.28	28.66	6.67	-7.45	27.88	54.00	26.12	Average

備註：“@”為主波，在此章節是不予以判定。

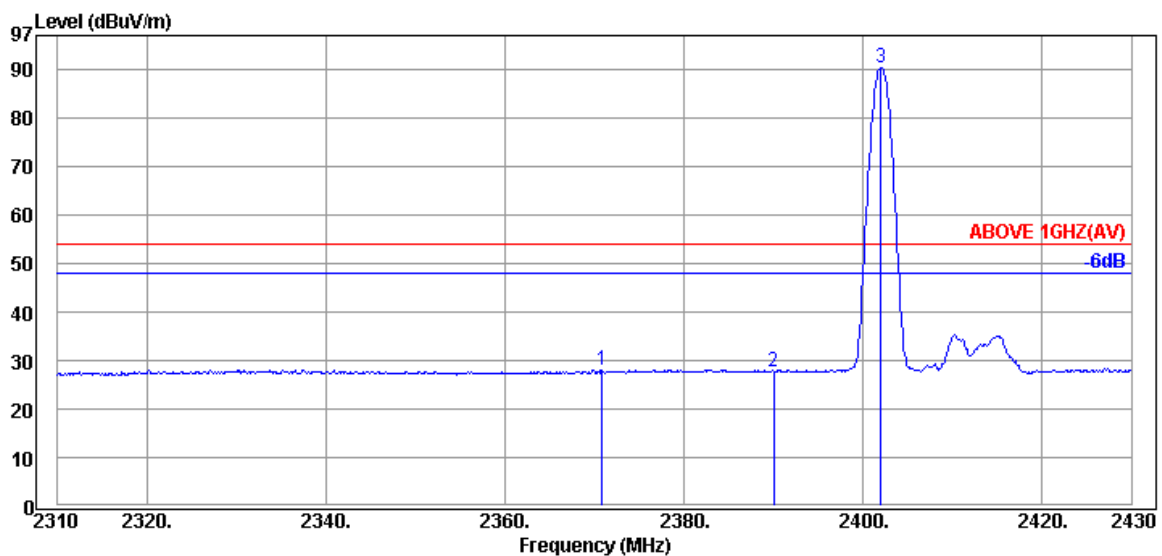
● BLE 測試模式

Mode	BLE	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2378.04	28.43	6.55	6.29	41.27	74.00	32.73	Peak
2390.04	28.47	6.57	3.65	38.69	74.00	35.31	Peak
@ 2401.68	28.47	6.57	56.04	91.08	---	---	Peak

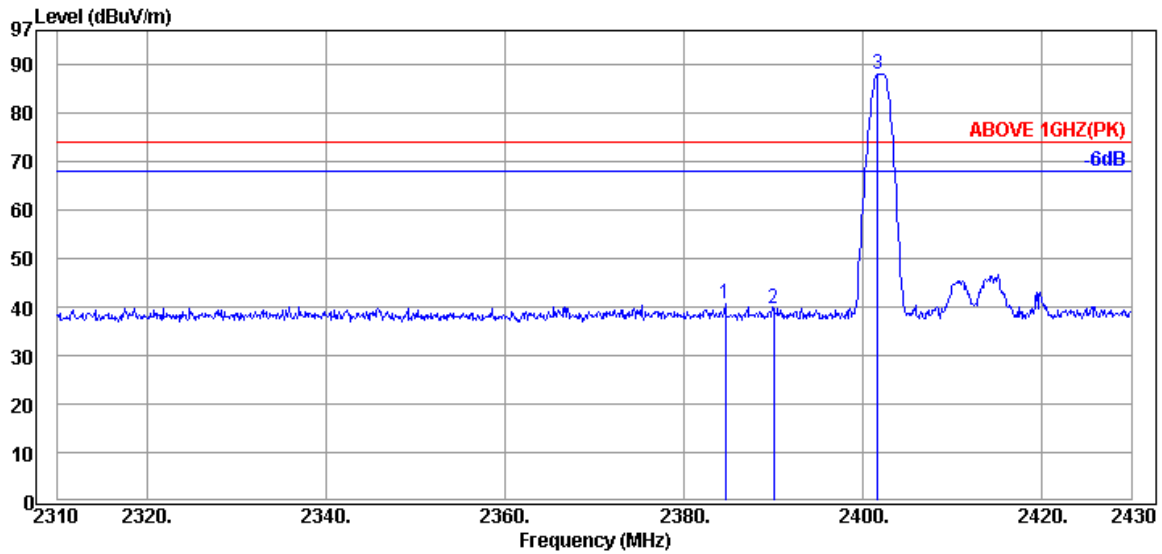


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2370.84	28.43	6.55	-6.87	28.11	54.00	25.89	Average
2390.04	28.47	6.57	-7.36	27.68	54.00	26.32	Average
@ 2402.04	28.47	6.57	55.37	90.41	---	---	Average

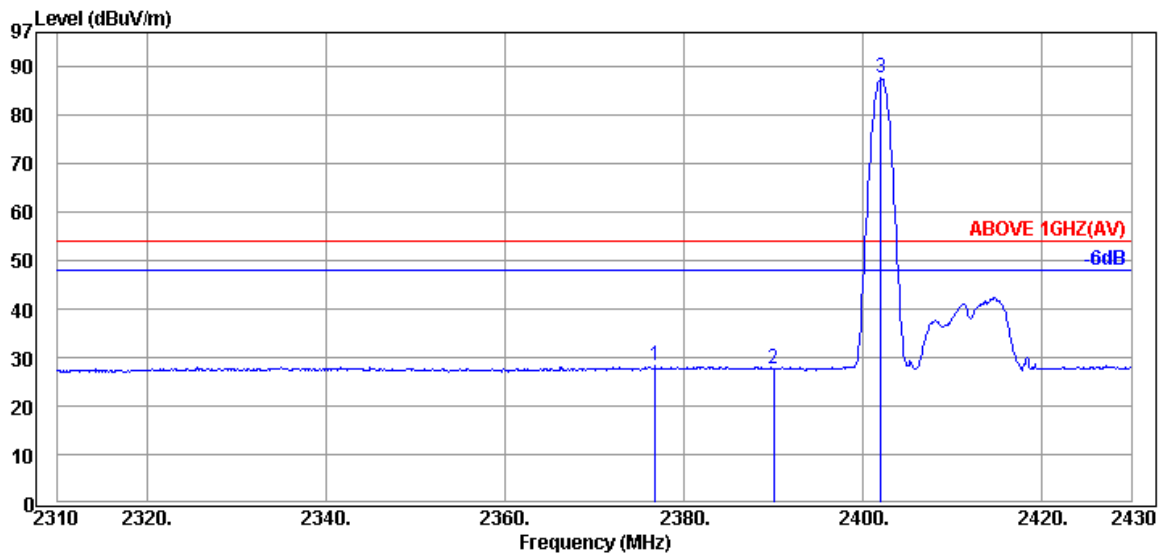
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2384.64	28.43	6.55	5.85	40.83	74.00	33.17	Peak
2390.04	28.47	6.57	4.54	39.58	74.00	34.42	Peak
@ 2401.68	28.47	6.57	53.12	88.16	---	---	Peak

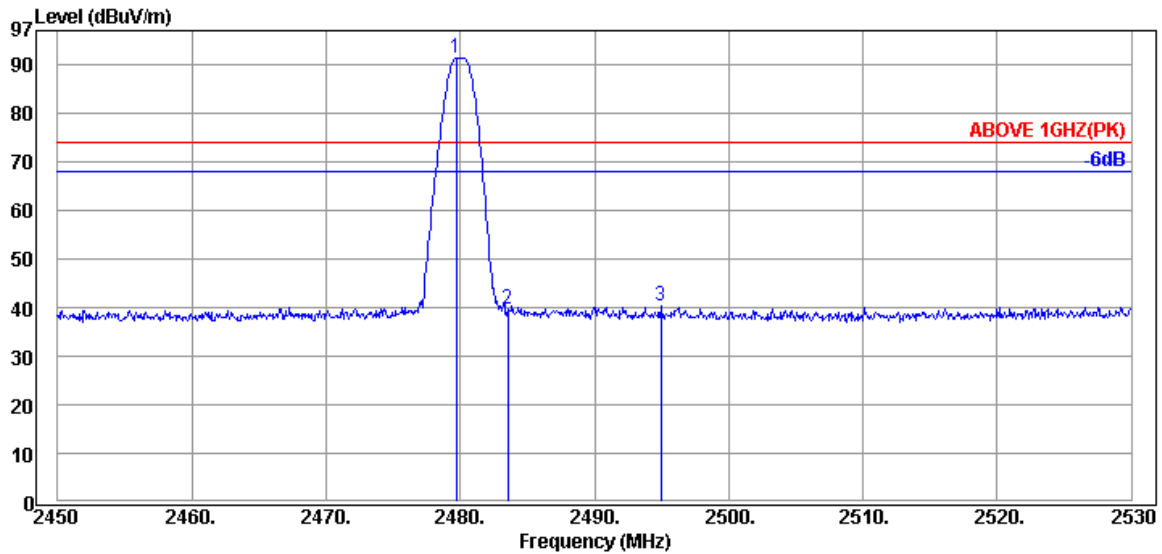


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2376.84	28.43	6.55	-6.76	28.22	54.00	25.78	Average
2390.04	28.47	6.57	-7.37	27.67	54.00	26.33	Average
@ 2402.04	28.47	6.57	52.49	87.53	---	---	Average

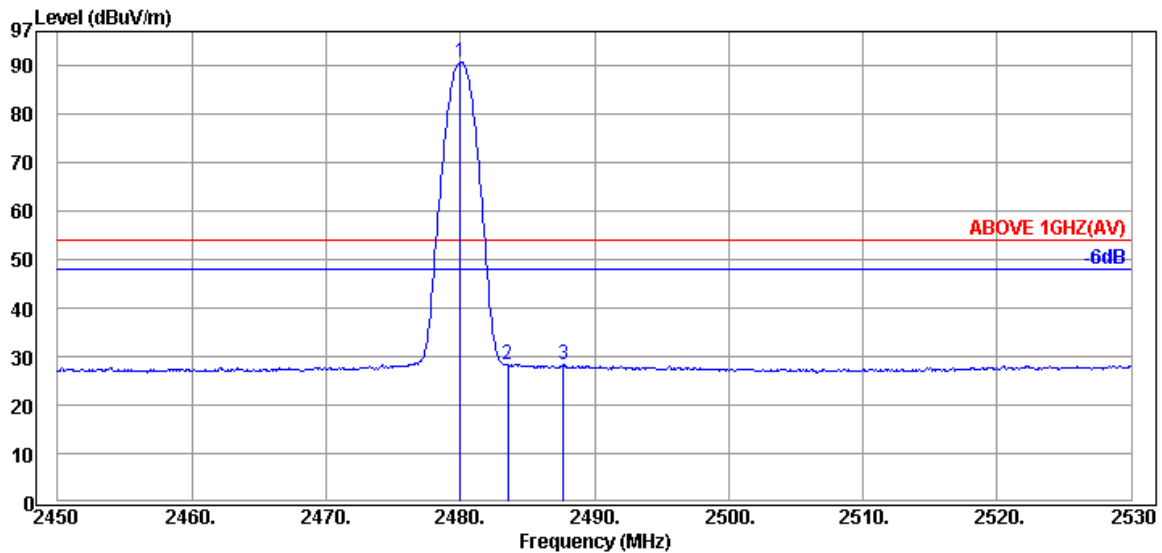
備註：“@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.68	28.66	6.67	56.02	91.35	---	---	Peak
	2483.52	28.66	6.67	4.20	39.53	74.00	34.47	Peak
	2494.96	28.70	6.69	4.90	40.29	74.00	33.71	Peak

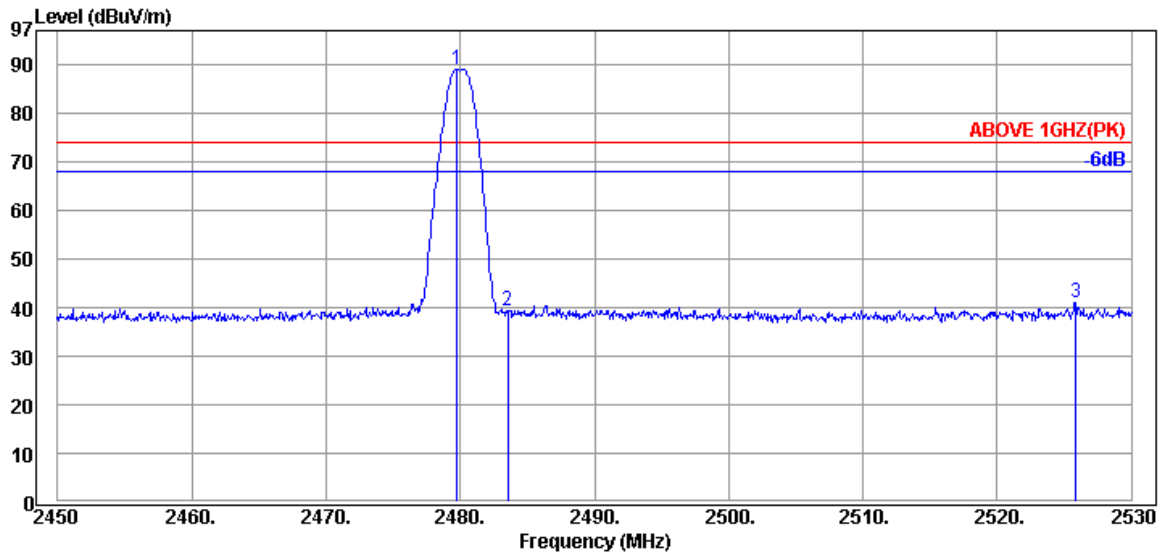


Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.00	28.66	6.67	55.41	90.74	---	---	Average
	2483.52	28.66	6.67	-7.08	28.25	54.00	25.75	Average
	2487.68	28.70	6.69	-7.08	28.31	54.00	25.69	Average

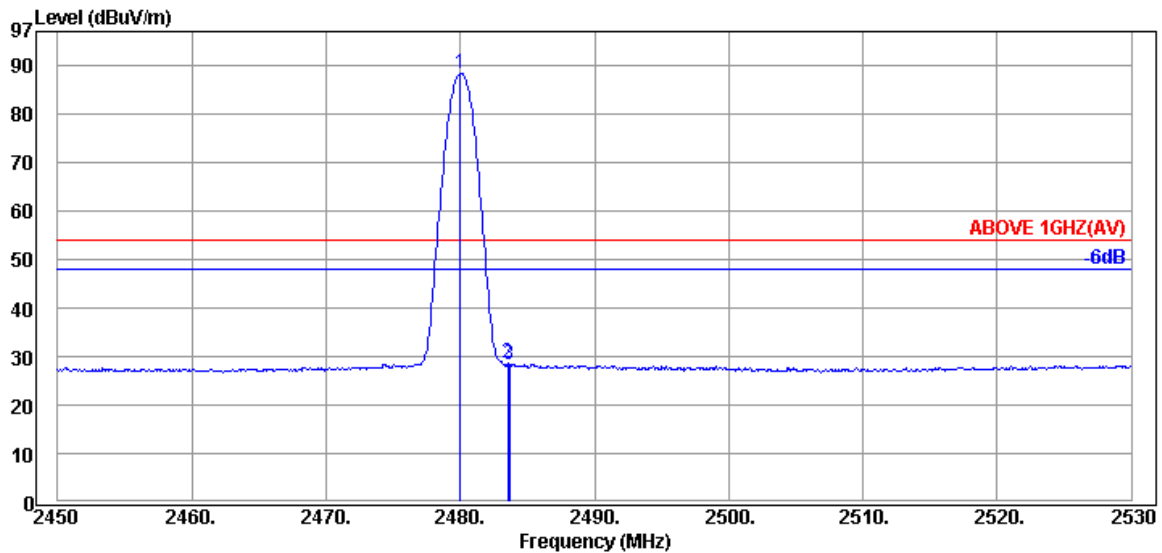
備註: “@”為主波，在此章節是不予以判定。

Mode	BLE	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.76	28.66	6.67	53.62	88.95	---	---	Peak
	2483.52	28.66	6.67	3.97	39.30	74.00	34.70	Peak
	2525.84	28.81	6.74	5.31	40.86	74.00	33.14	Peak



Antenna at Vertical Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Meter Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2480.00	28.66	6.67	53.02	88.35	---	---	Average
	2483.52	28.66	6.67	-6.58	28.75	54.00	25.25	Average
	2483.68	28.66	6.67	-6.95	28.38	54.00	25.62	Average

備註：“@”為主波，在此章節是不予以判定。

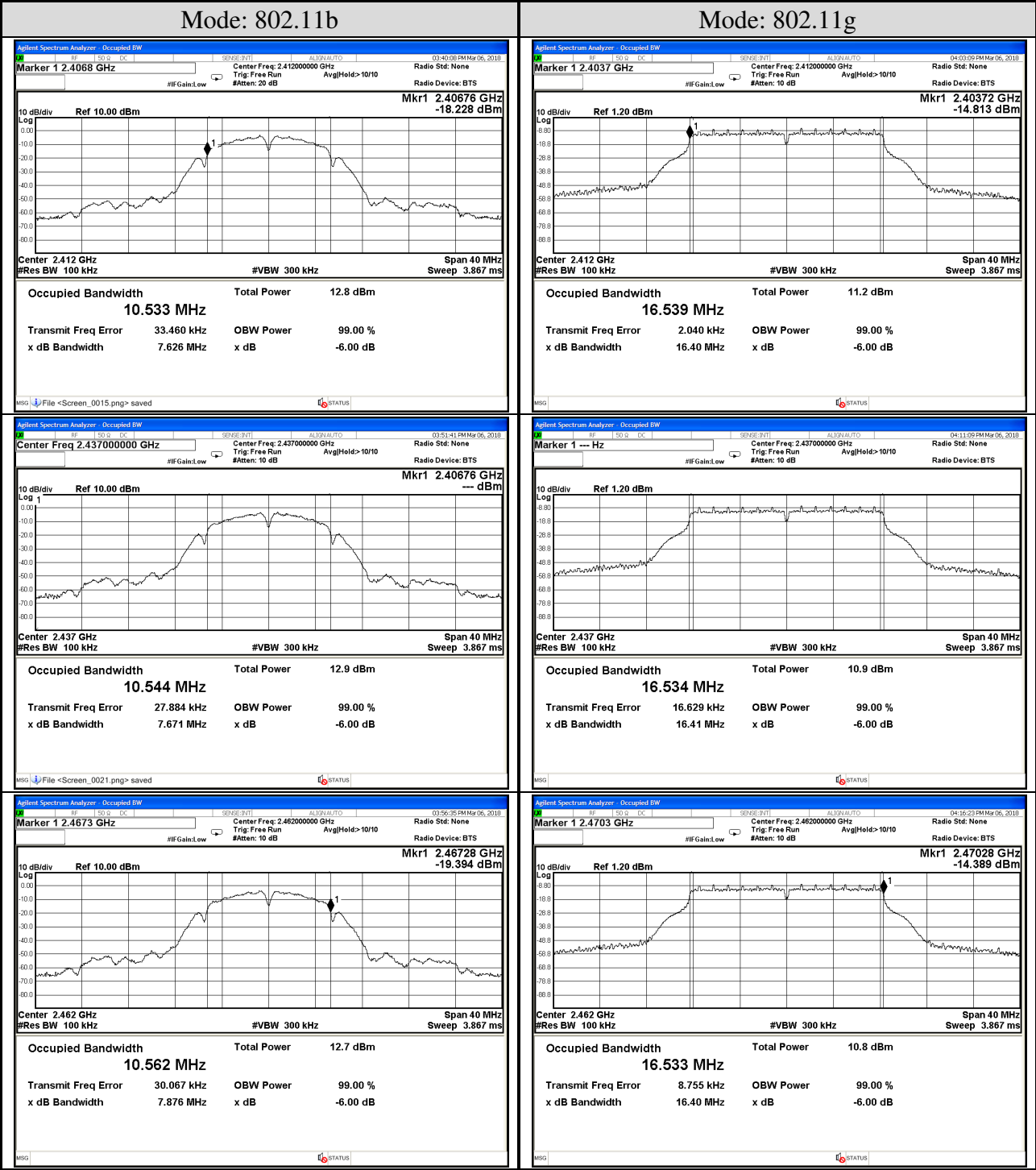
3. 發射頻寬之量測

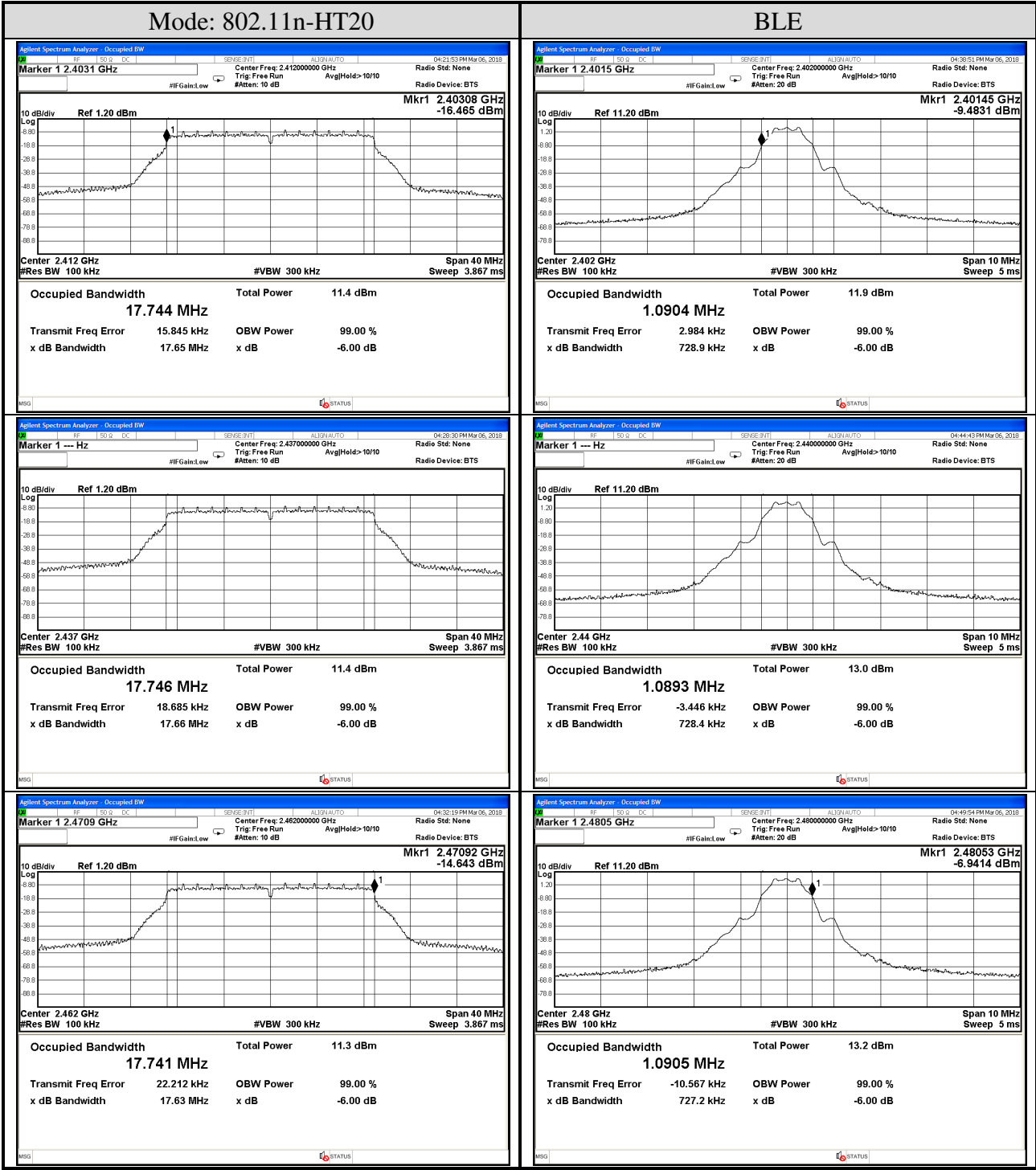
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)		

3.1. 發射頻寬

模式 (Mode)	測試頻率 (MHz)	6dB 頻寬 (MHz)	限制值 (kHz)
802.11b	2412	7.626	>500
	2437	7.671	
	2462	7.876	
802.11g	2412	16.40	
	2437	16.41	
	2462	16.40	
802.11n-HT20	2412	17.65	
	2437	17.66	
	2462	17.63	
BLE	2402	0.7289	
	2440	0.7284	
	2480	0.7272	

3.2. 發射頻寬之量測圖





4. 峰值輸出功率之量測

測試日期	2018/03/02	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)		

4.1. 峰值輸出功率

模式 (Mode)	測試頻率 (MHz)	最大輸出功率(dBm)	限制值 (dBm)
802.11b	2412	7.45	30
	2437	7.37	
	2462	7.66	
802.11g	2412	13.20	
	2437	13.42	
	2462	13.88	
802.11n-HT20	2412	13.00	
	2437	13.48	
	2462	13.43	
BLE	2402	6.09	
	2440	7.04	
	2480	7.23	

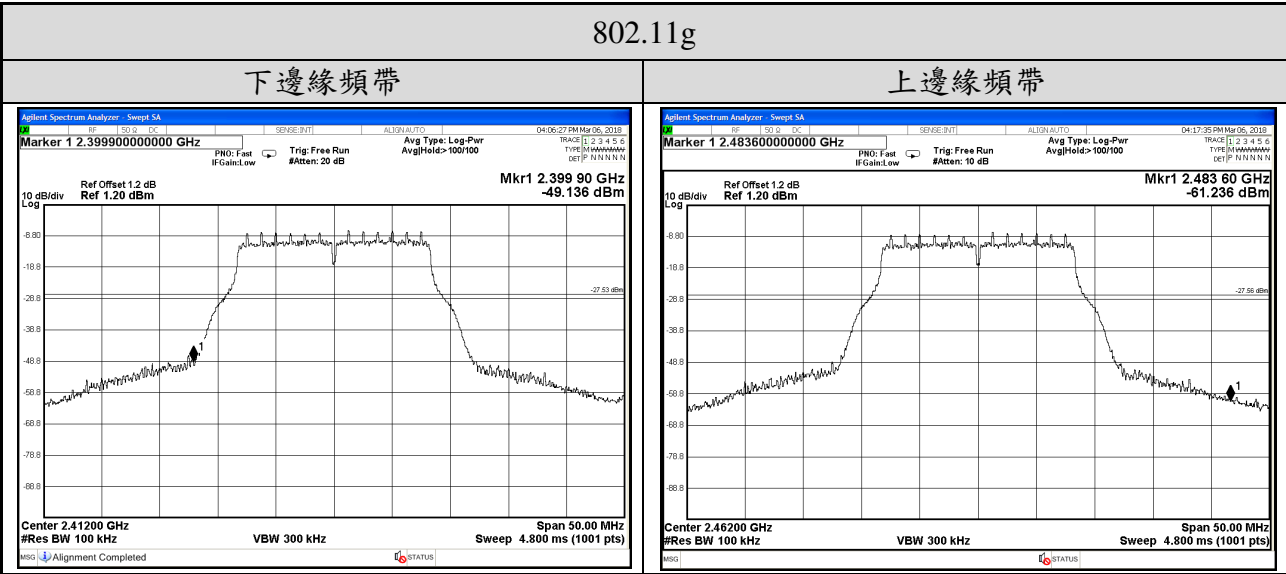
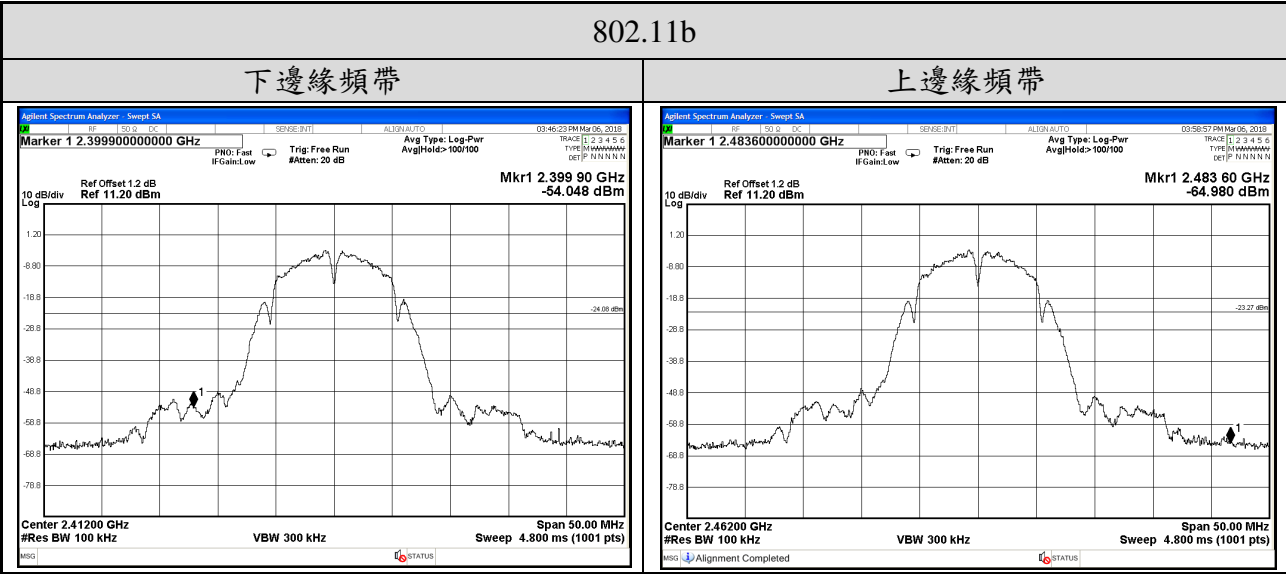
4.2. 平均輸出功率(參考用)

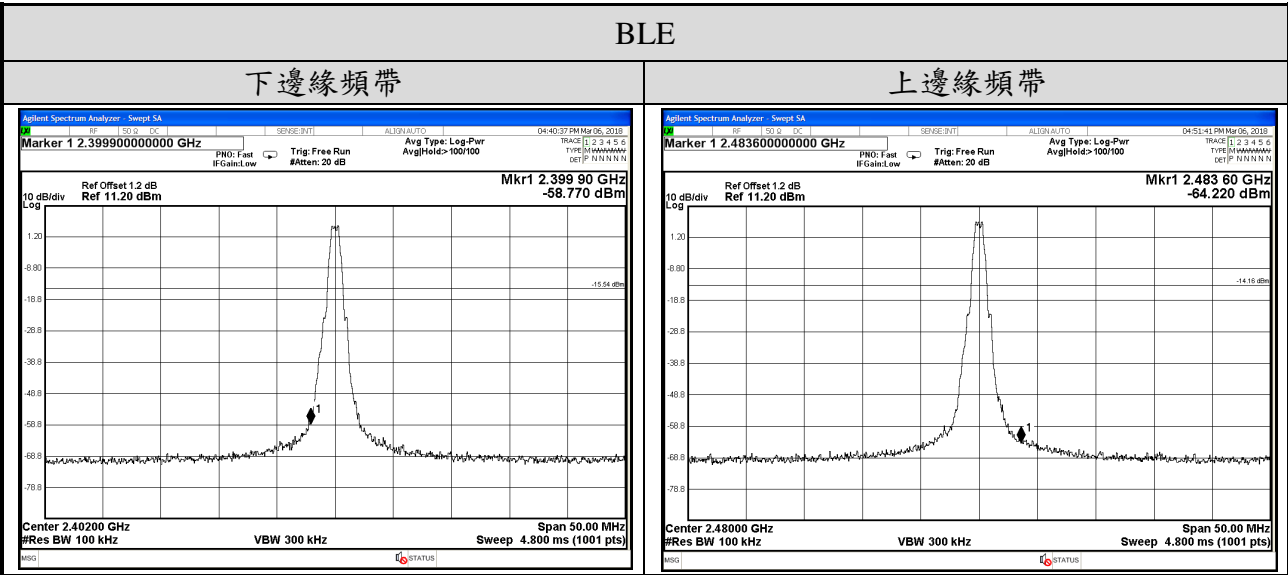
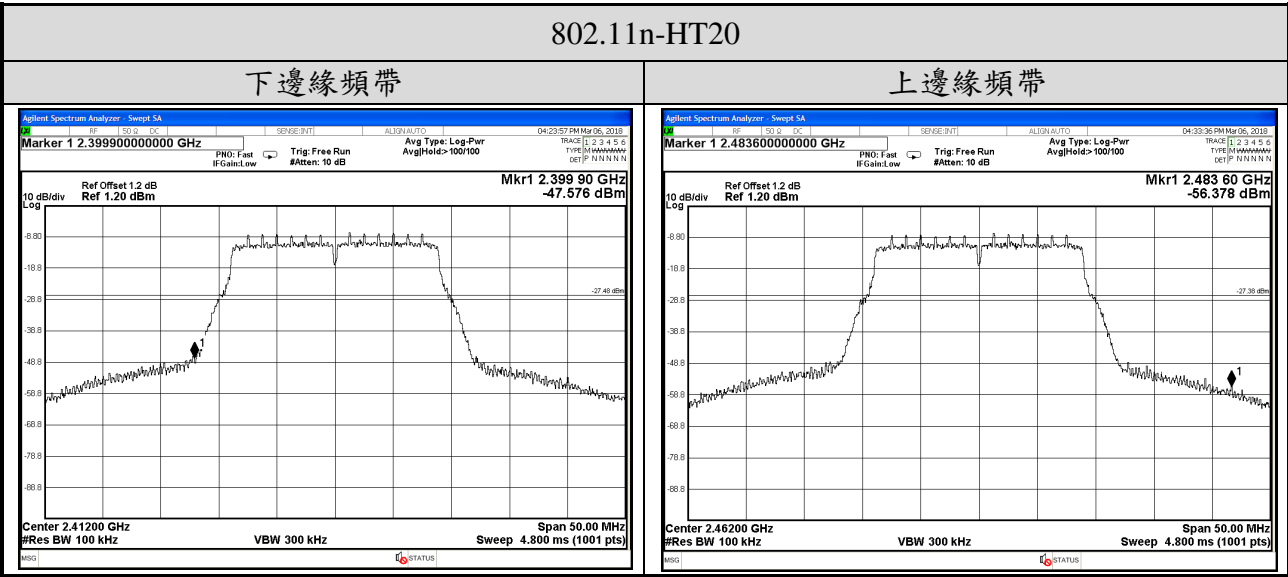
模式 (Mode)	測試頻率 (MHz)	Duty Cycle (X)	最大輸出功率(dBm)			限制值 (dBm)
			輸出功率(dBm)	$10\log(1/X)$	Total	
802.11b	2412	0.99	4.07	0.05	4.12	30
	2437		4.14		4.19	
	2462		4.42		4.47	
802.11g	2412	0.94	3.68	0.27	3.95	
	2437		3.84		4.11	
	2462		4.18		4.45	
802.11n-HT20	2412	0.94	3.76	0.29	4.05	
	2437		4.00		4.29	
	2462		3.93		4.22	

註: 當 Duty cycle<98%, 最大輸出功率必需要加上 duty cycle factor $10\log(1/x) \cdot (x=\text{duty cycle})$

5. 帶邊緣之 RF 傳導發射之量測

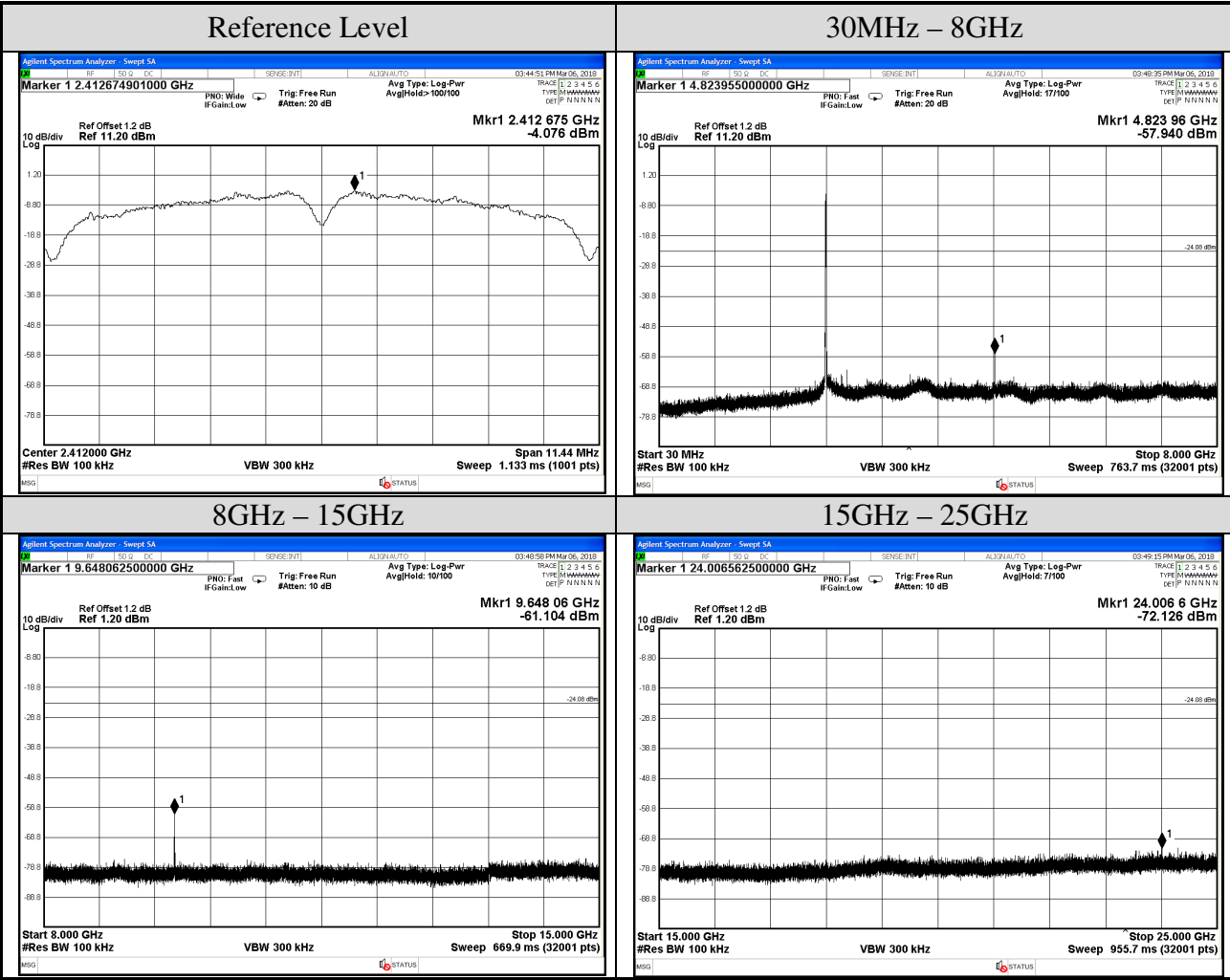
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)		

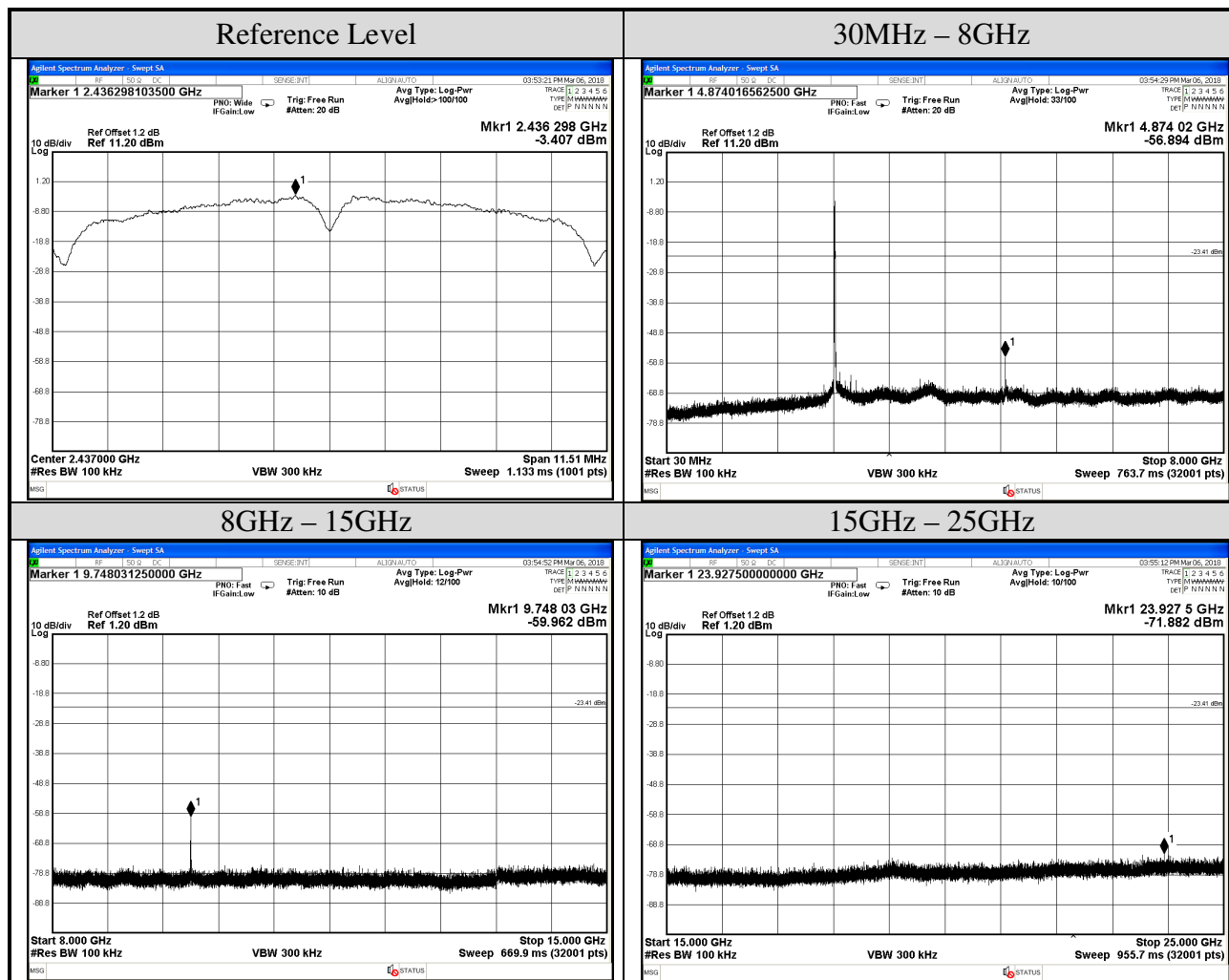




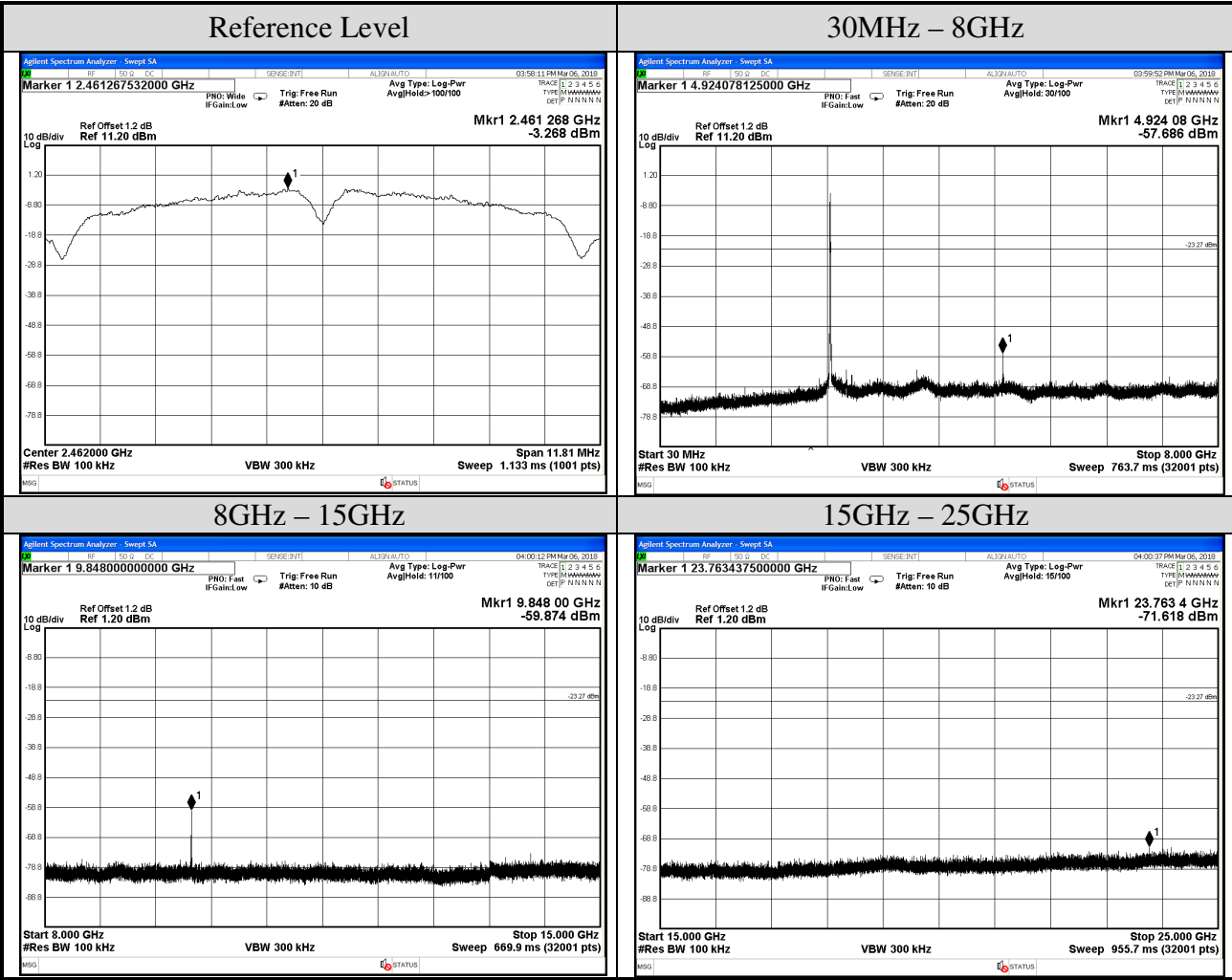
6. 混附發射之 RF 傳導發射之量測

測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11b
		測試頻率	2412MHz

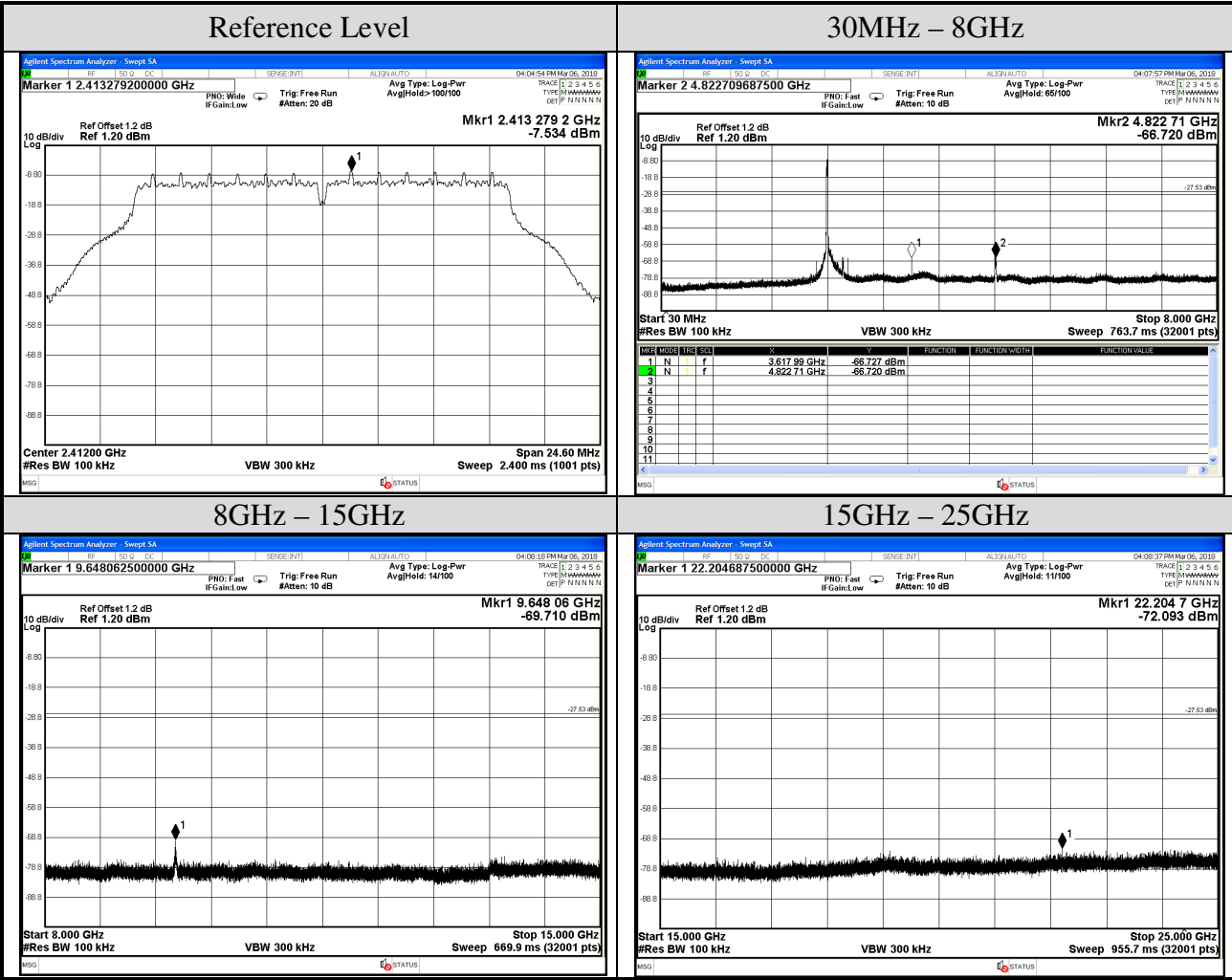




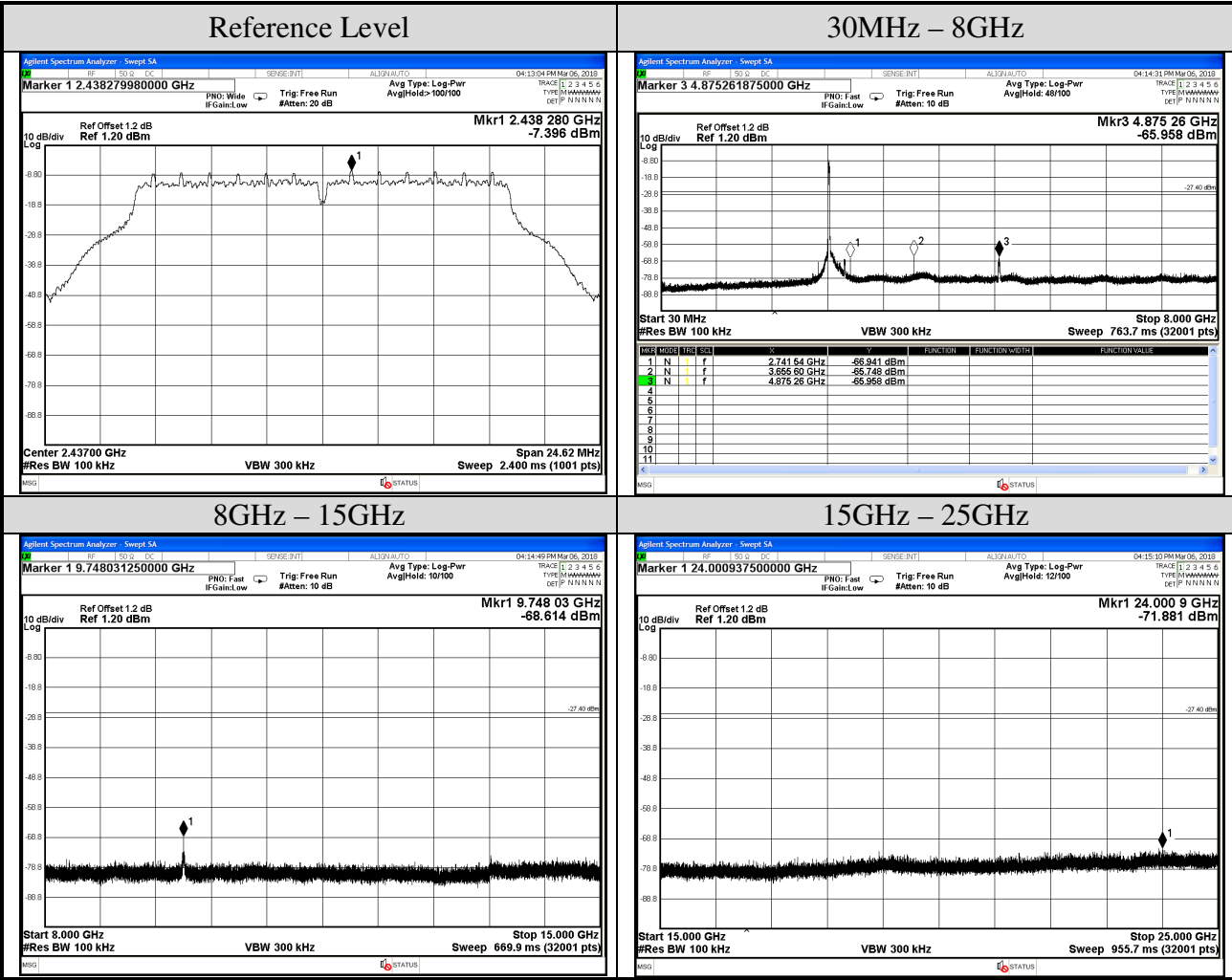
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11b
		測試頻率	2462MHz



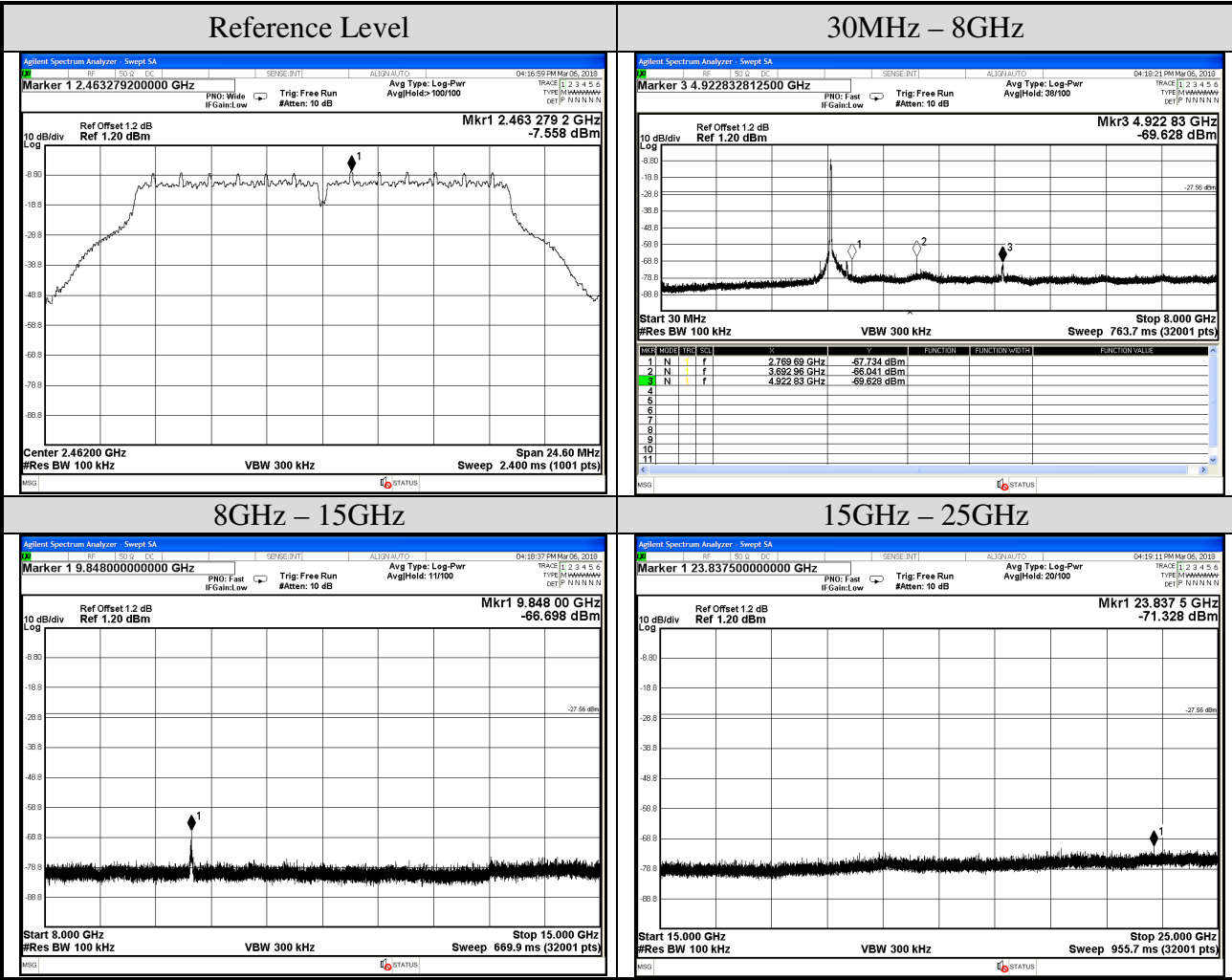
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11g
		測試頻率	2412MHz



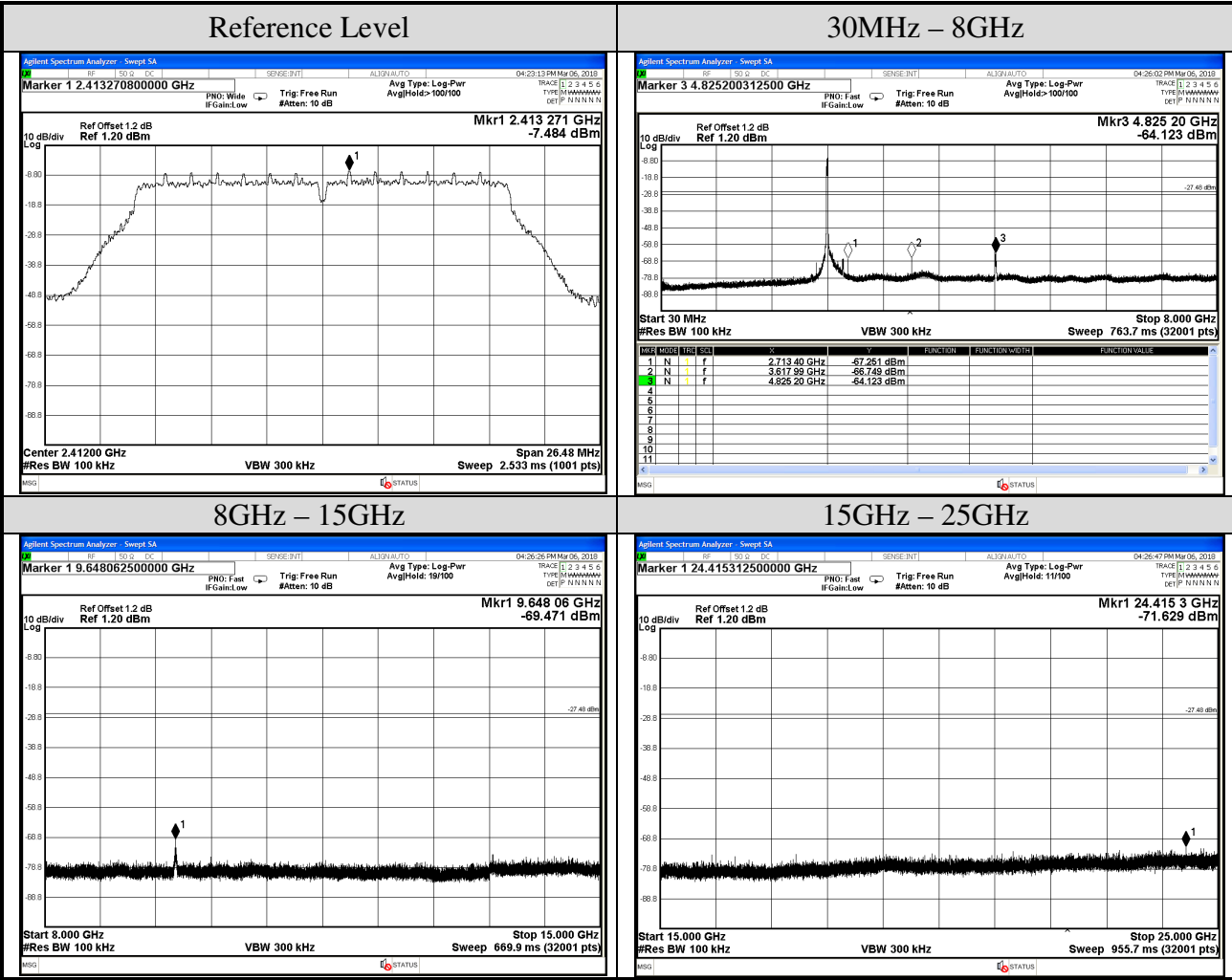
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11g
		測試頻率	2437MHz



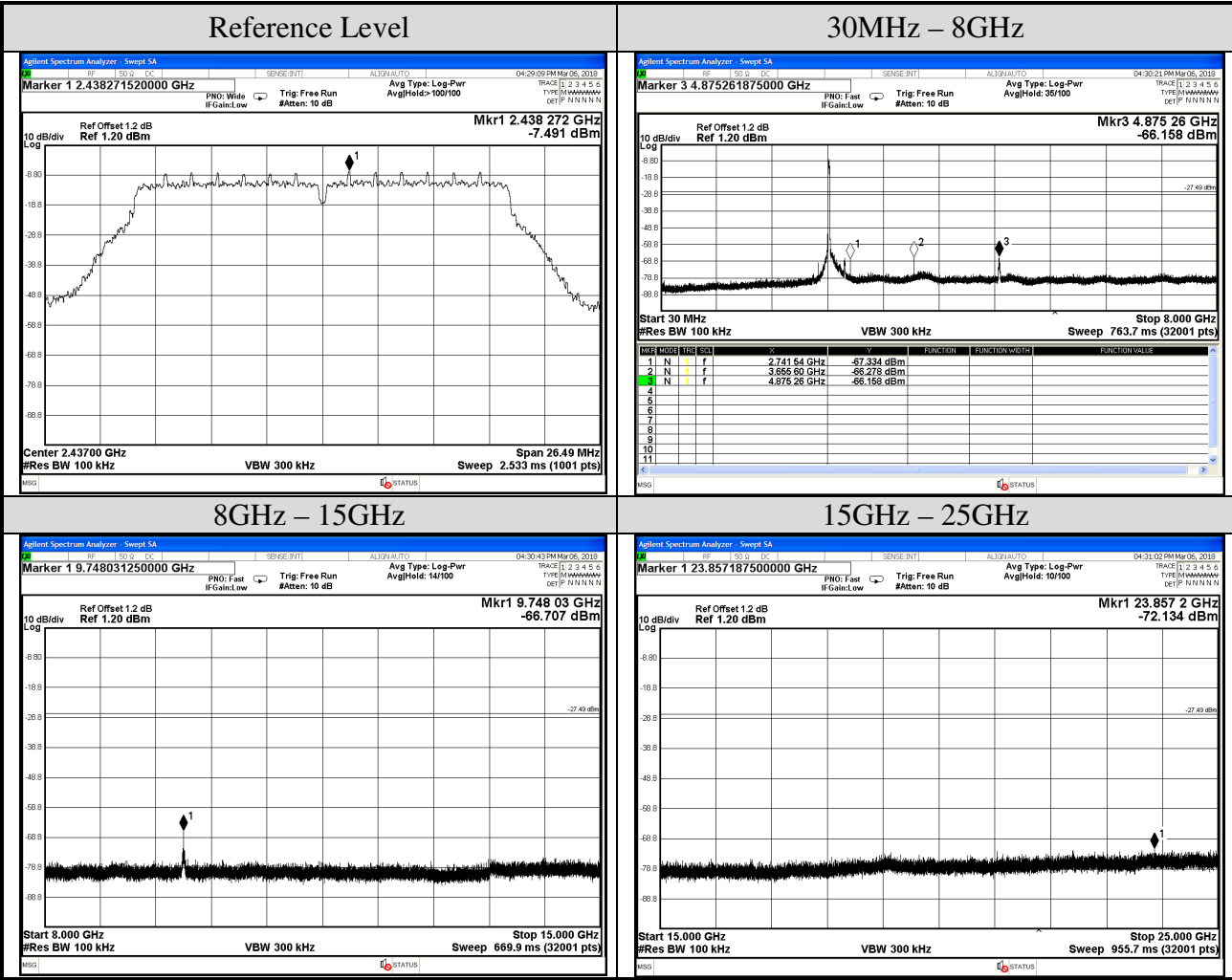
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11g
		測試頻率	2462MHz



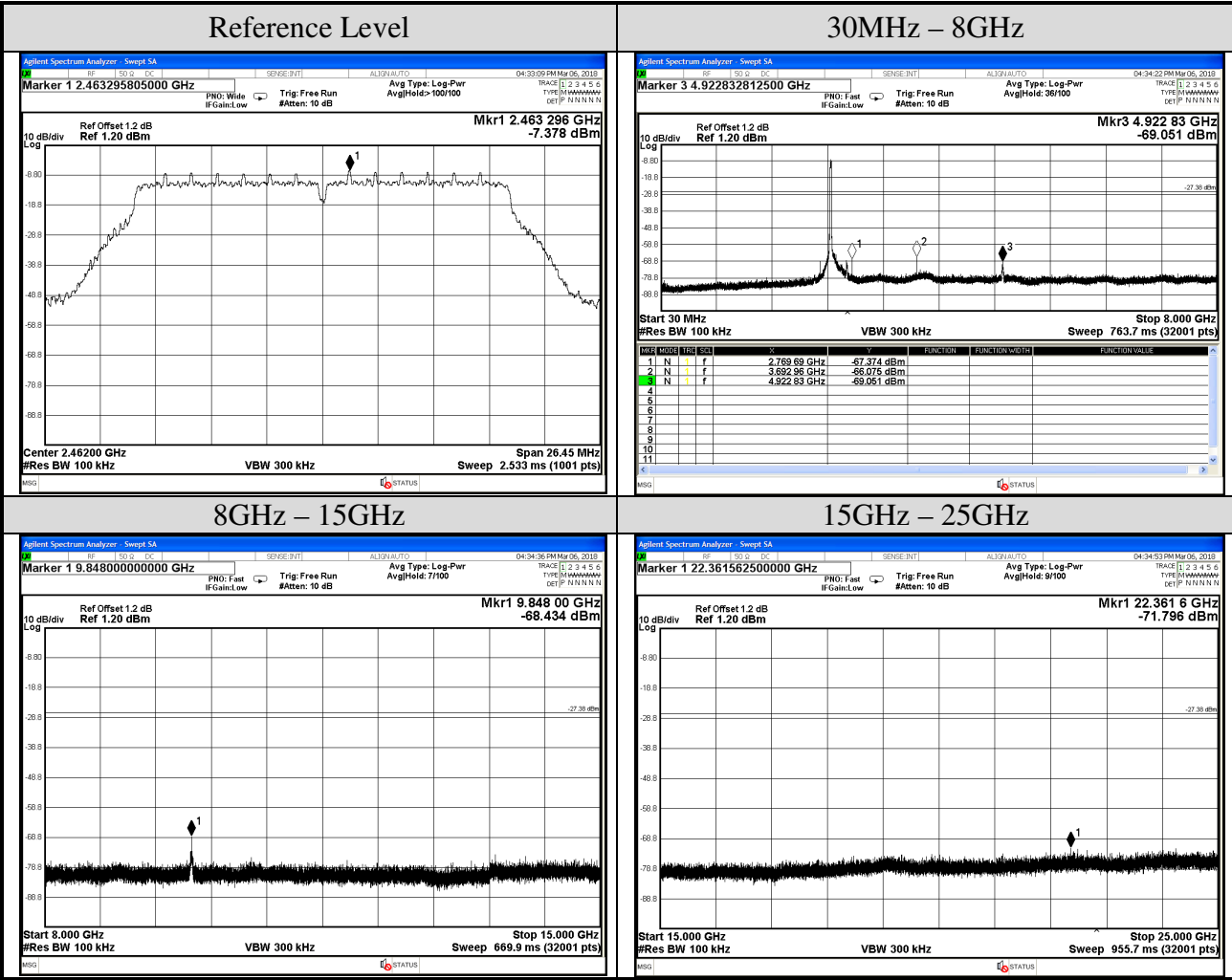
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11n-HT20
		測試頻率	2412MHz



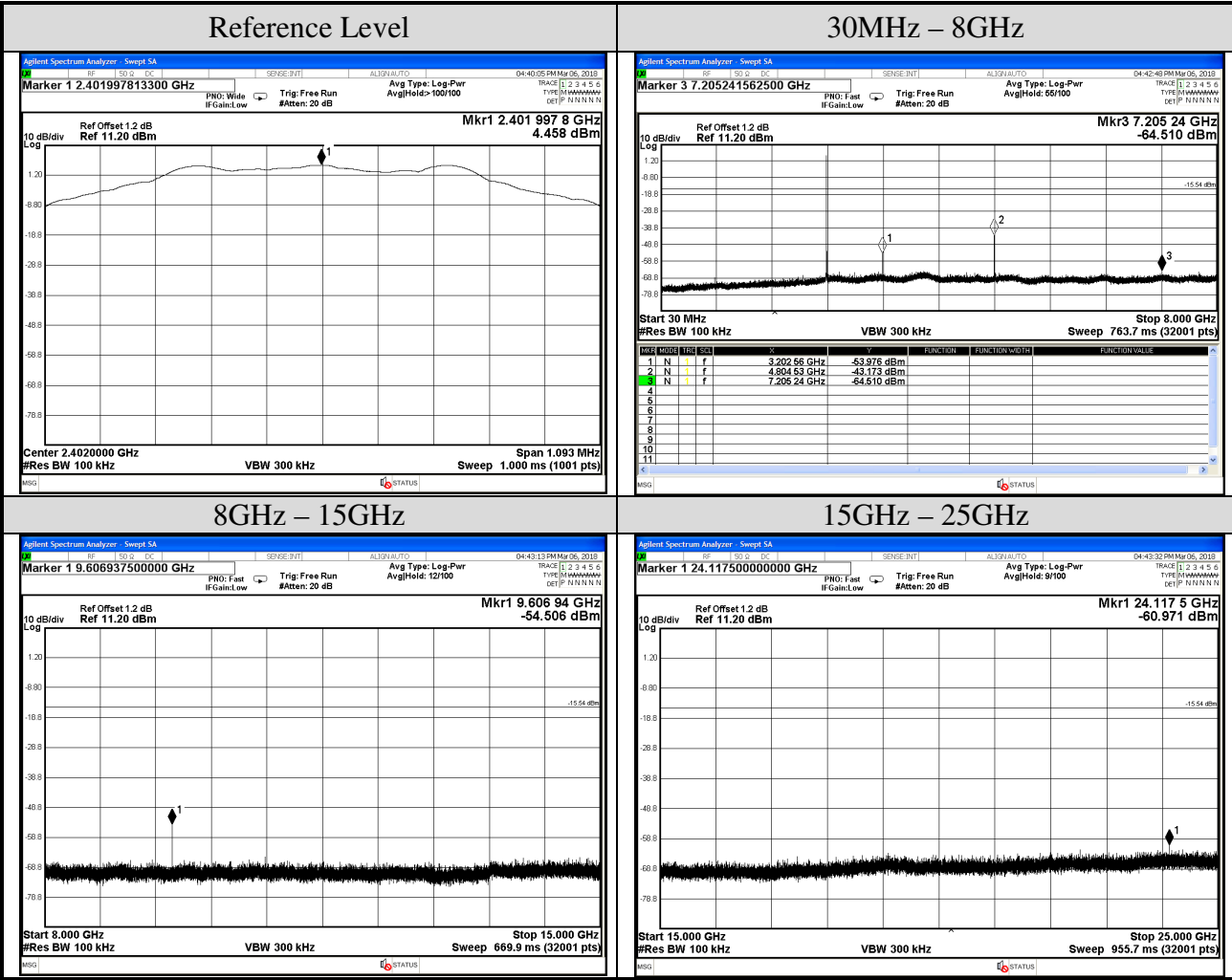
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11n-HT20
		測試頻率	2437MHz



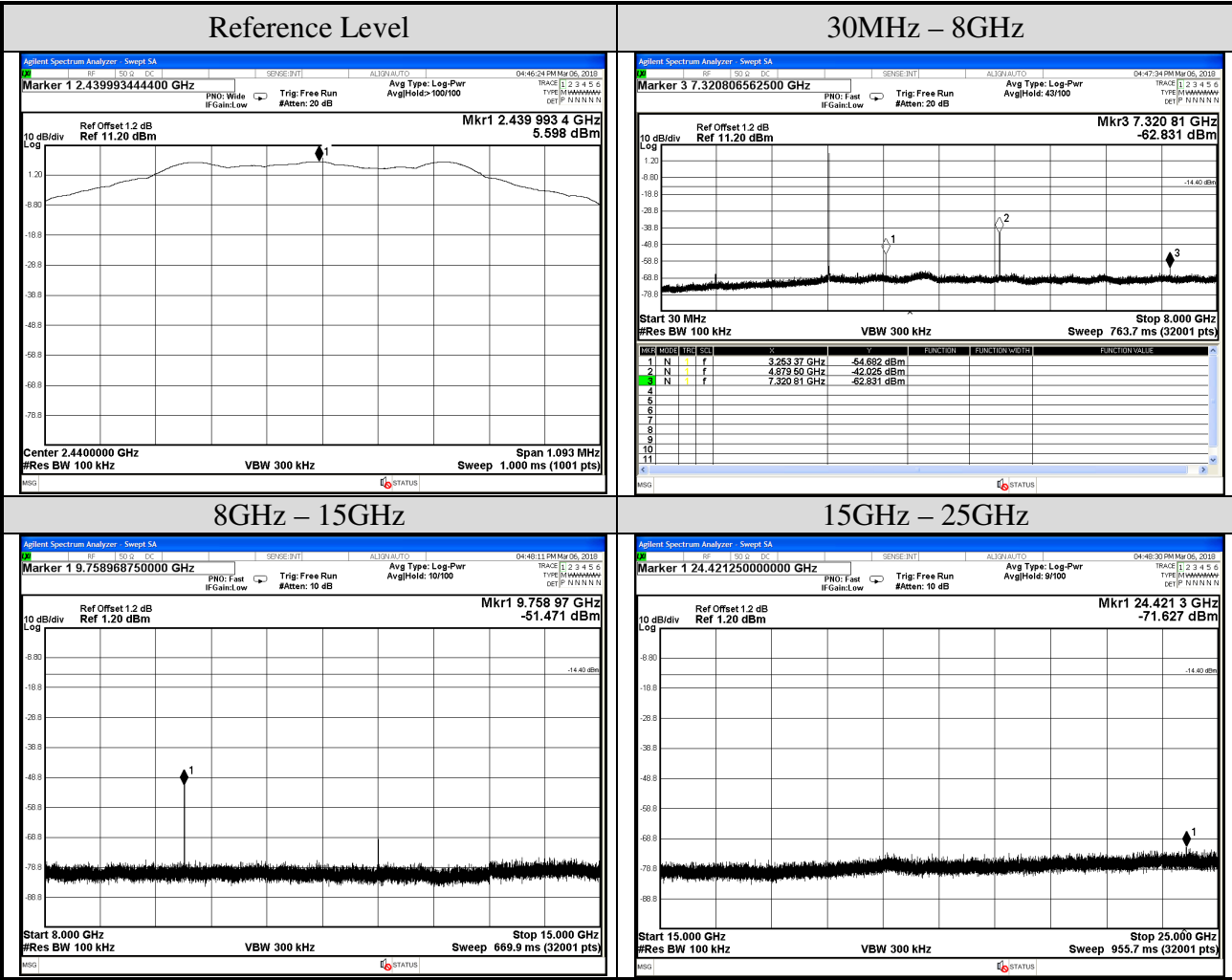
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	802.11n-HT20
		測試頻率	2462MHz



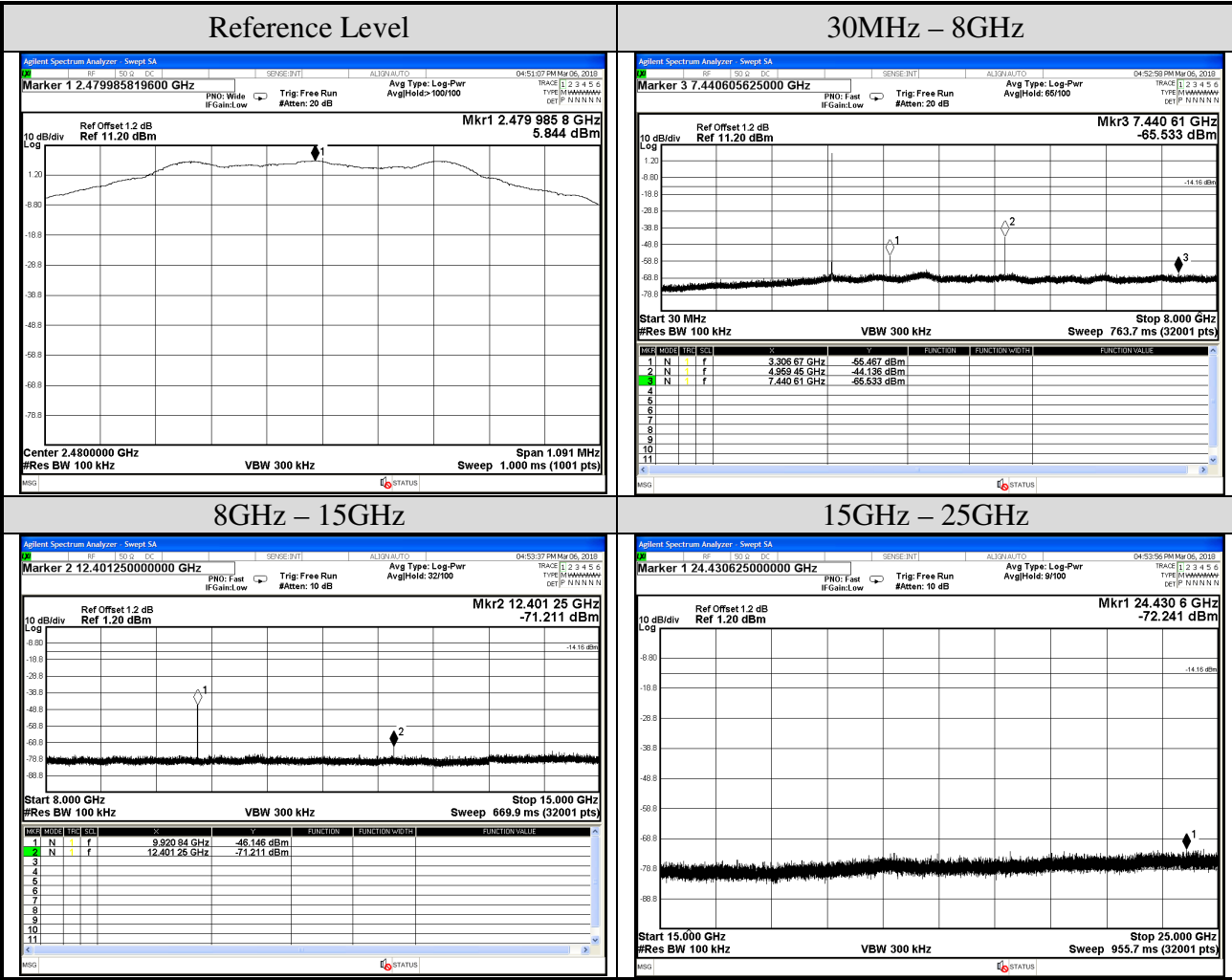
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	BLE
		測試頻率	2402MHz



測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	BLE
		測試頻率	2440MHz



測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)	模式	BLE
		測試頻率	2480MHz



7. 功率密度之量測

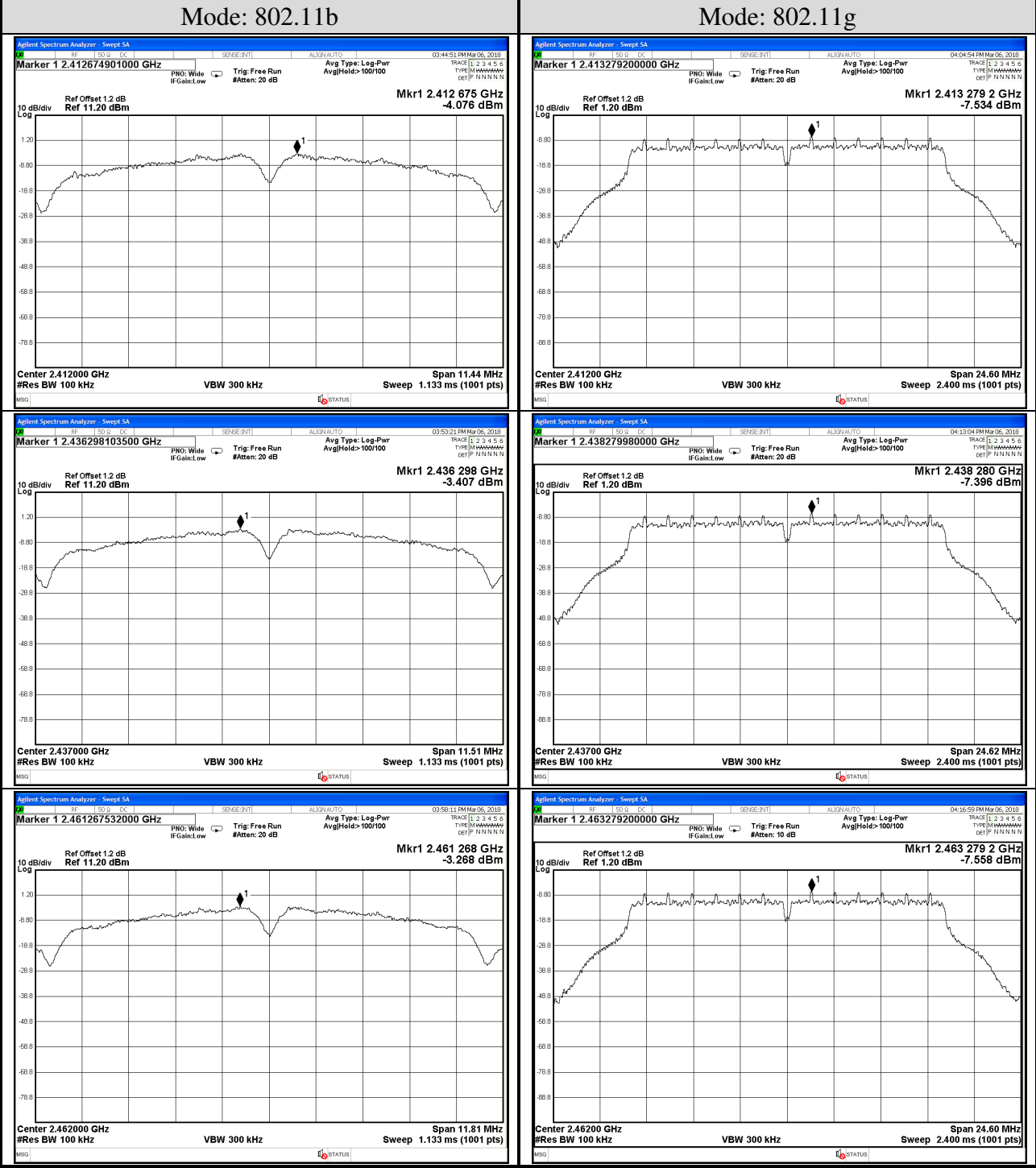
測試日期	2018/03/06	環境溫/濕度	24°C/55%
測試電壓	DC 3.3V (透過 Digital Still Camera 供電)		

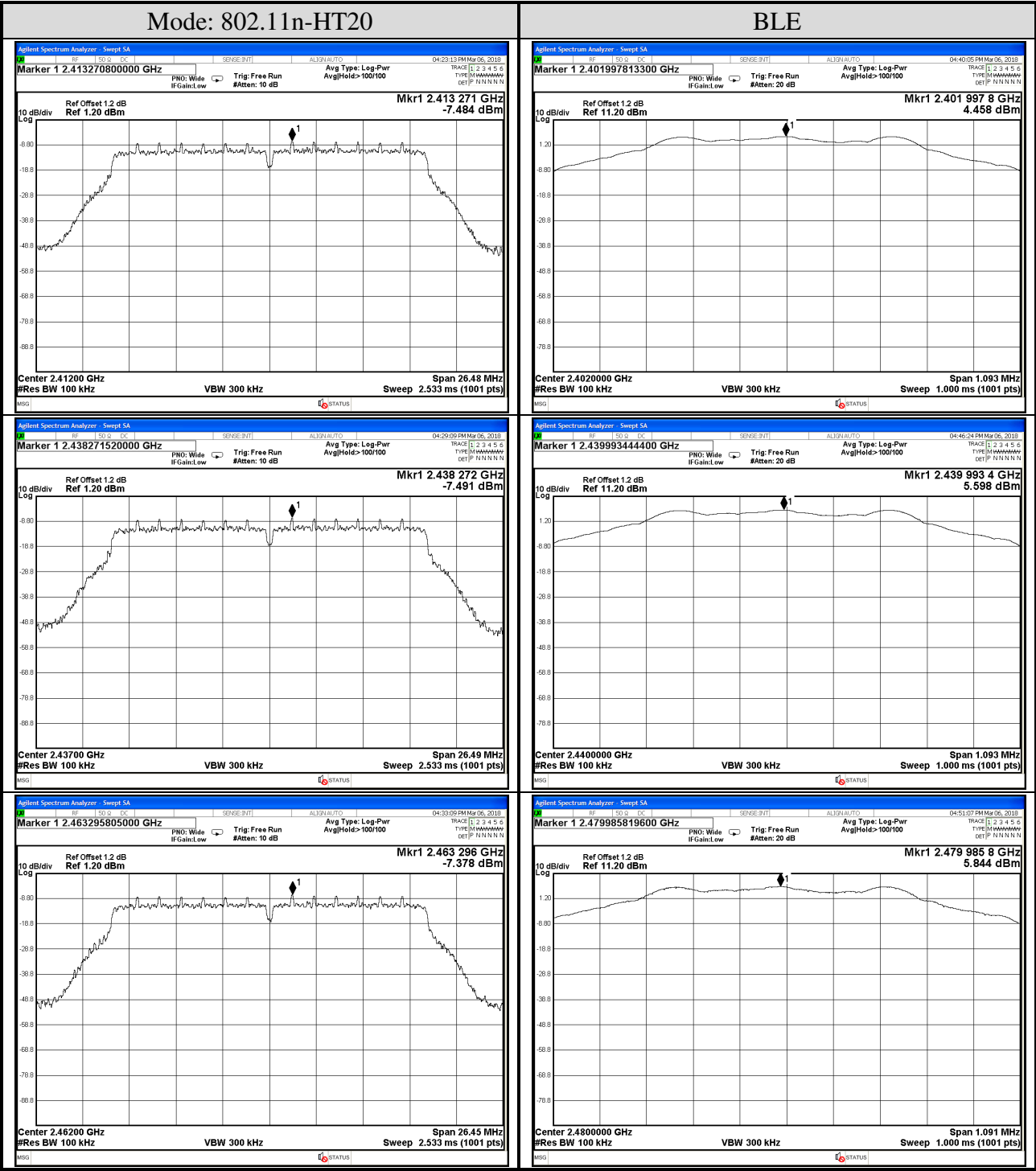
7.1. 功率密度

模式 (Mode)	測試頻率 (MHz)	功率密度 (dBm)	限制值 (dBm)
802.11b	2412	-4.076	8
	2437	-3.407	
	2462	-3.268	
802.11g	2412	-7.534	
	2437	-7.396	
	2462	-7.558	
802.11n-HT20	2412	-7.484	
	2437	-7.491	
	2462	-7.378	
BLE	2402	4.458	
	2440	5.598	
	2480	5.844	

測試結果係依照 FCC 公告之 KDB558074 D01V04，且解析頻寬以 100kHz 量測其測試結果較 3kHz 嚴格

7.2. 功率密度之量測圖





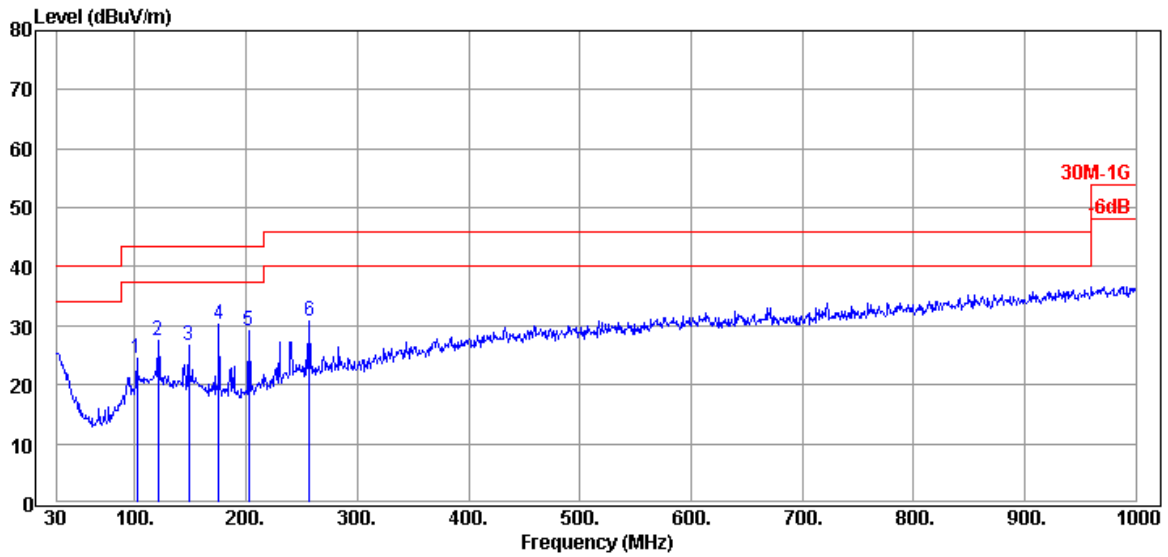
附錄 二

輻射干擾場強量測掃頻圖資料
(頻率範圍 30MHz~25000MHz)



Data no. : 5

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : HORIZONTAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBUV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	101.78	17.60	2.29	4.52	24.41	43.50	19.09	Peak
2	121.18	18.75	2.52	6.25	27.52	43.50	15.98	Peak
3	148.34	17.17	2.81	6.69	26.67	43.50	16.83	Peak
4	175.50	15.62	3.09	11.55	30.26	43.50	13.24	Peak
5	202.66	15.96	3.37	9.75	29.08	43.50	14.42	Peak
6	256.98	19.21	3.89	7.62	30.72	46.00	15.28	Peak

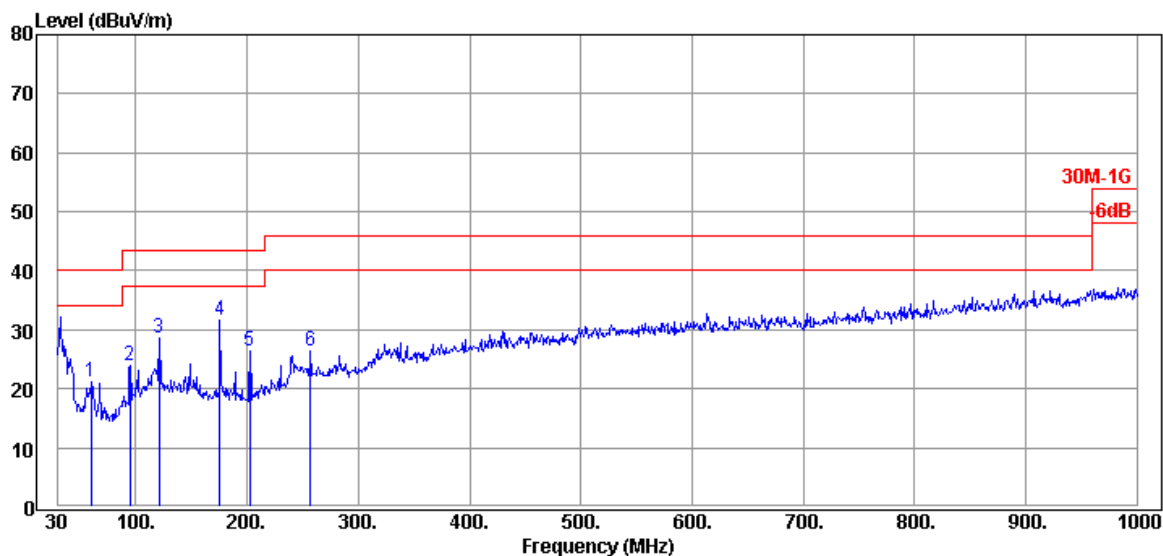
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 6

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : VERTICAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	60.07	12.54	1.73	6.84	21.11	40.00	18.89	Peak
2	94.99	16.56	2.21	5.11	23.88	43.50	19.62	Peak
3	121.18	18.75	2.52	7.35	28.62	43.50	14.88	Peak
4	175.50	15.62	3.09	12.83	31.54	43.50	11.96	Peak
5	202.66	15.96	3.37	7.13	26.46	43.50	17.04	Peak
6	256.98	19.21	3.89	3.31	26.41	46.00	19.59	Peak

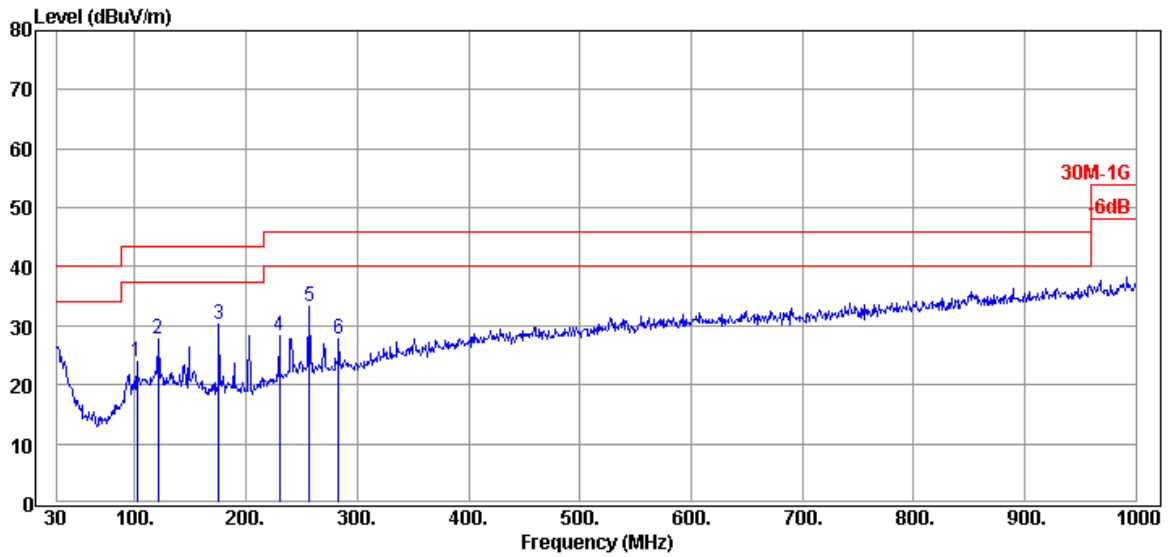
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 7

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : HORIZONTAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2480MHz(BLE)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	101.78	17.60	2.29	3.92	23.81	43.50	19.69	Peak
2	121.18	18.75	2.52	6.55	27.82	43.50	15.68	Peak
3	175.50	15.62	3.09	11.51	30.22	43.50	13.28	Peak
4	229.82	17.88	3.63	6.78	28.29	46.00	17.71	Peak
5	256.98	19.21	3.89	10.15	33.25	46.00	12.75	Peak
6	283.17	19.38	4.15	4.37	27.90	46.00	18.10	Peak

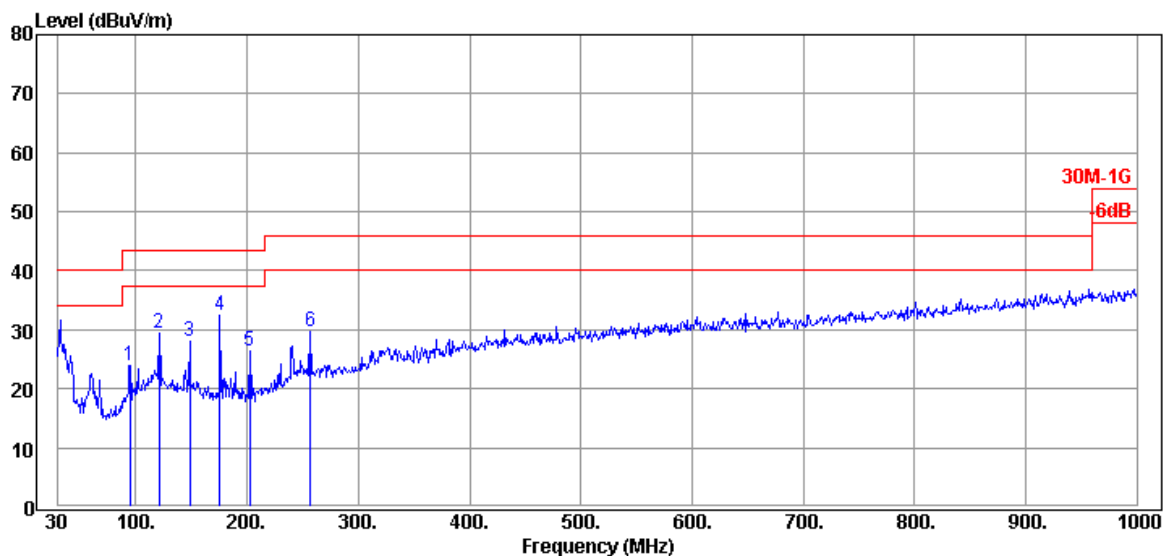
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 8

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : VERTICAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2480MHz(BLE)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	94.99	16.56	2.21	5.26	24.03	43.50	19.47	Peak
2	121.18	18.75	2.52	8.06	29.33	43.50	14.17	Peak
3	148.34	17.17	2.81	7.97	27.95	43.50	15.55	Peak
4	175.50	15.62	3.09	13.65	32.36	43.50	11.14	Peak
5	202.66	15.96	3.37	7.10	26.43	43.50	17.07	Peak
6	256.98	19.21	3.89	6.59	29.69	46.00	16.31	Peak

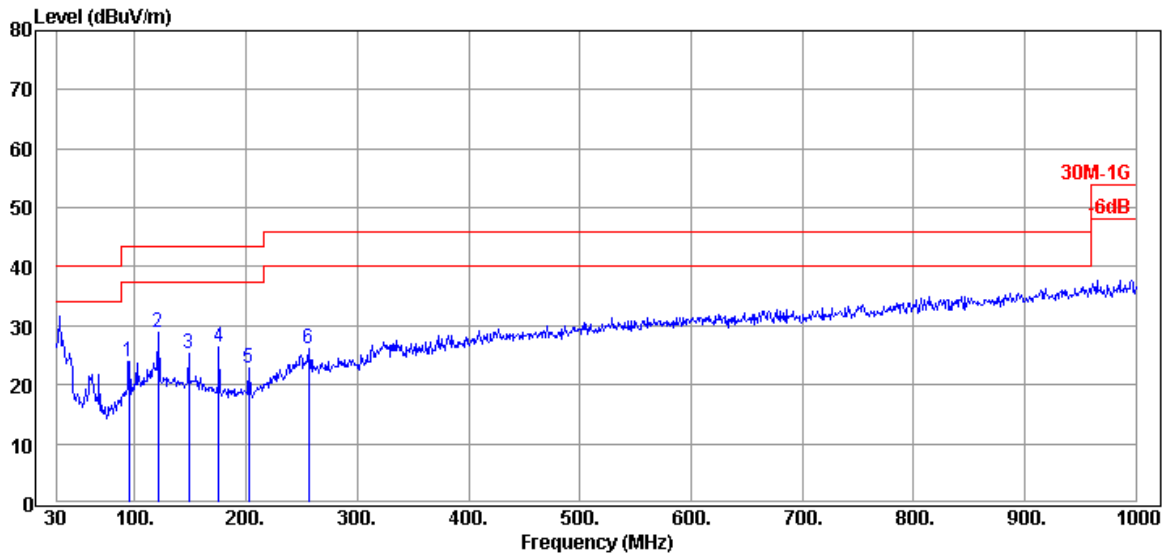
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 9

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : VERTICAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Rx 2437MHz

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	94.99	16.56	2.21	5.26	24.03	43.50	19.47	Peak
2	121.18	18.75	2.52	7.71	28.98	43.50	14.52	Peak
3	148.34	17.17	2.81	5.42	25.40	43.50	18.10	Peak
4	175.50	15.62	3.09	7.70	26.41	43.50	17.09	Peak
5	202.66	15.96	3.37	3.55	22.88	43.50	20.62	Peak
6	256.01	19.20	3.87	2.94	26.01	46.00	19.99	Peak

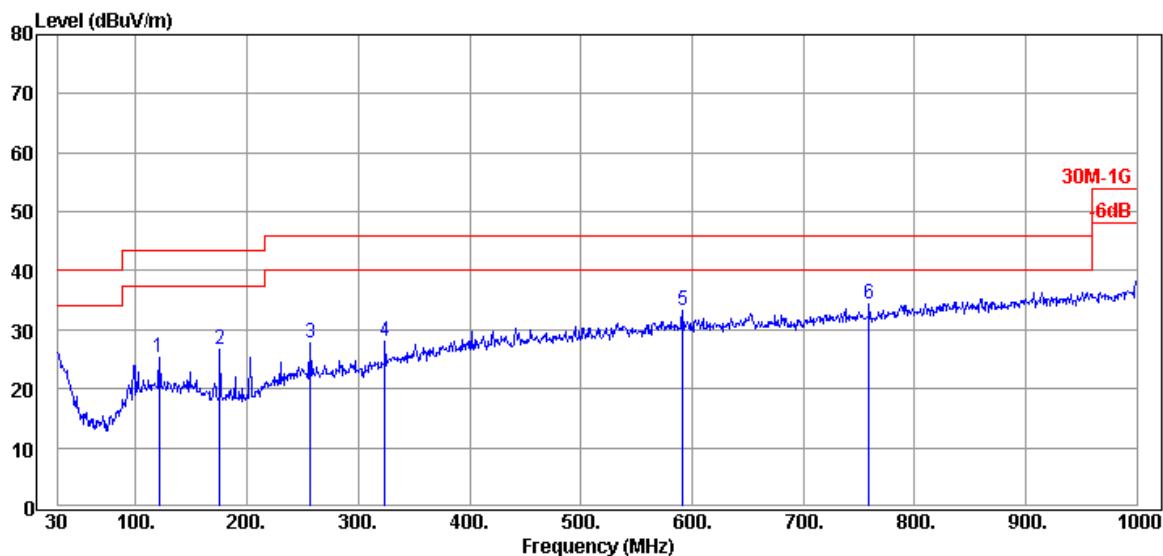
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 10

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : HORIZONTAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Rx 2437MHz

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	121.18	18.75	2.52	3.89	25.16	43.50	18.34	Peak
2	175.50	15.62	3.09	7.90	26.61	43.50	16.89	Peak
3	256.98	19.21	3.89	4.76	27.86	46.00	18.14	Peak
4	323.91	20.18	4.65	3.10	27.93	46.00	18.07	Peak
5	591.63	24.52	6.72	2.11	33.35	46.00	12.65	Peak
6	759.44	25.53	7.41	1.44	34.38	46.00	11.62	Peak

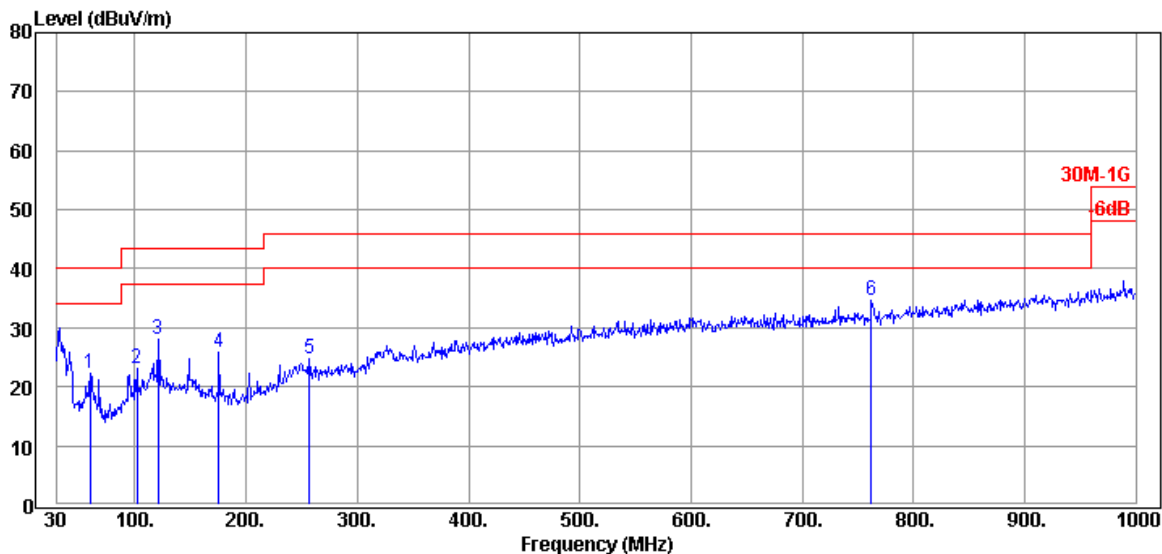
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 11

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : VERTICAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Rx 2440MHz

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	60.07	12.54	1.73	8.11	22.38	40.00	17.62	Peak
2	101.78	17.60	2.29	3.32	23.21	43.50	20.29	Peak
3	121.18	18.75	2.52	6.80	28.07	43.50	15.43	Peak
4	175.50	15.62	3.09	7.09	25.80	43.50	17.70	Peak
5	256.98	19.21	3.89	1.68	24.78	46.00	21.22	Peak
6	762.35	25.55	7.42	1.56	34.53	46.00	11.47	Peak

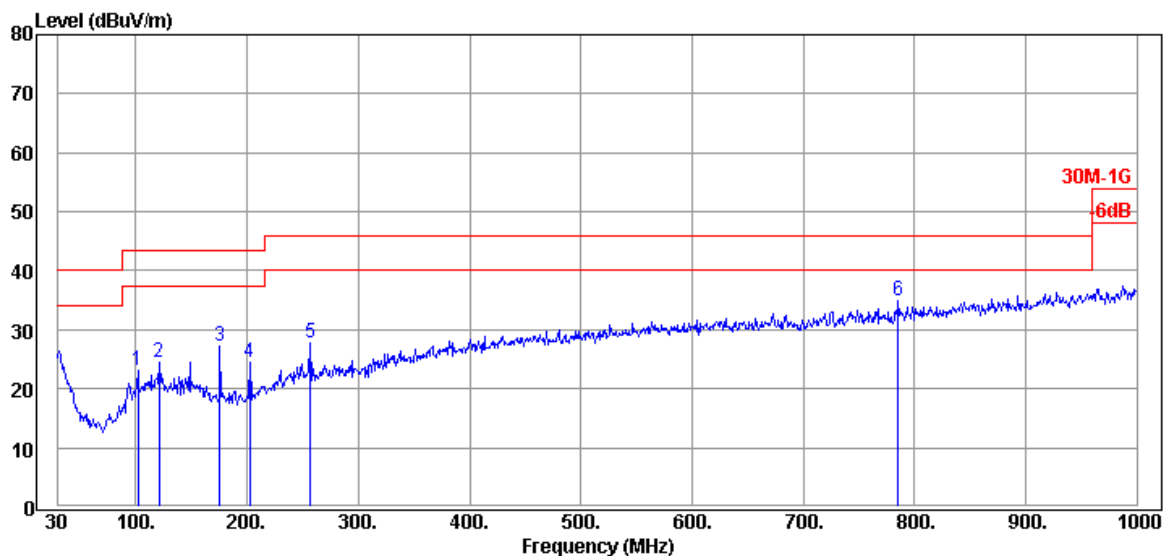
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 12

Test Site: Audix NO.1 3m Chamber



Condition : 3m CBL6112D 33821(PAD)

Ant. Pol. : HORIZONTAL

Limit : 30M-1G

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Rx 2440MHz

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	101.78	17.60	2.29	3.29	23.18	43.50	20.32	Peak
2	121.18	18.75	2.52	3.27	24.54	43.50	18.96	Peak
3	175.50	15.62	3.09	8.40	27.11	43.50	16.39	Peak
4	202.66	15.96	3.37	5.18	24.51	43.50	18.99	Peak
5	256.98	19.21	3.89	4.54	27.64	46.00	18.36	Peak
6	785.63	25.77	7.53	1.55	34.85	46.00	11.15	Peak

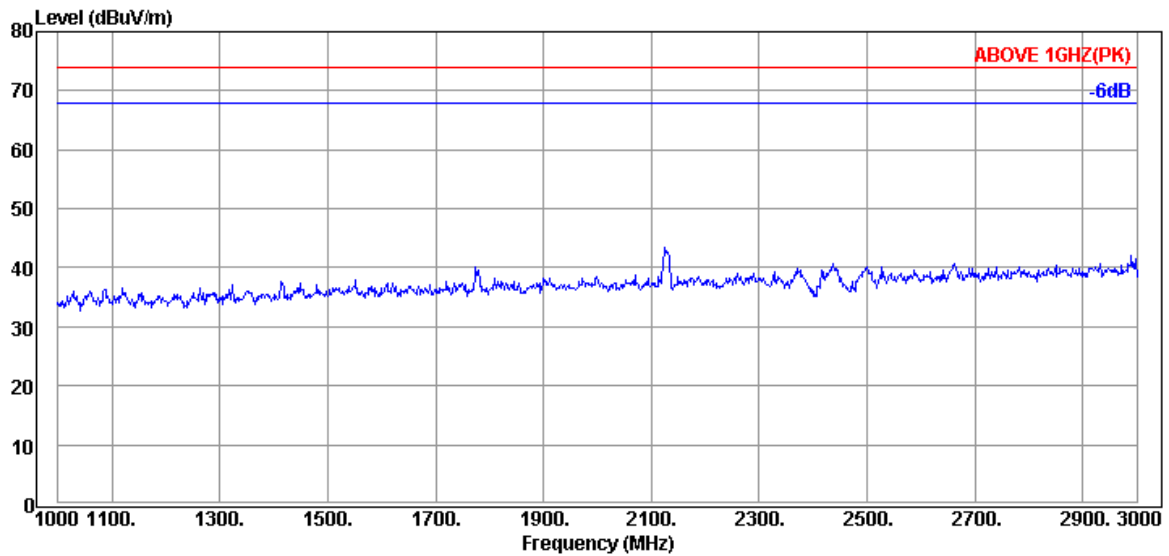
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 1

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11b)

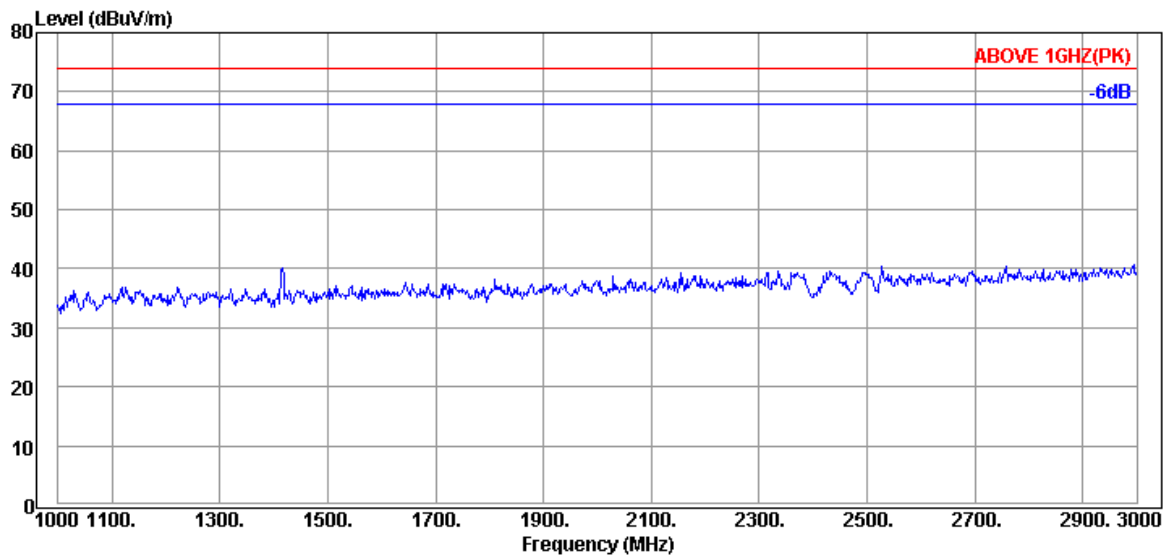
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 2

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11b)

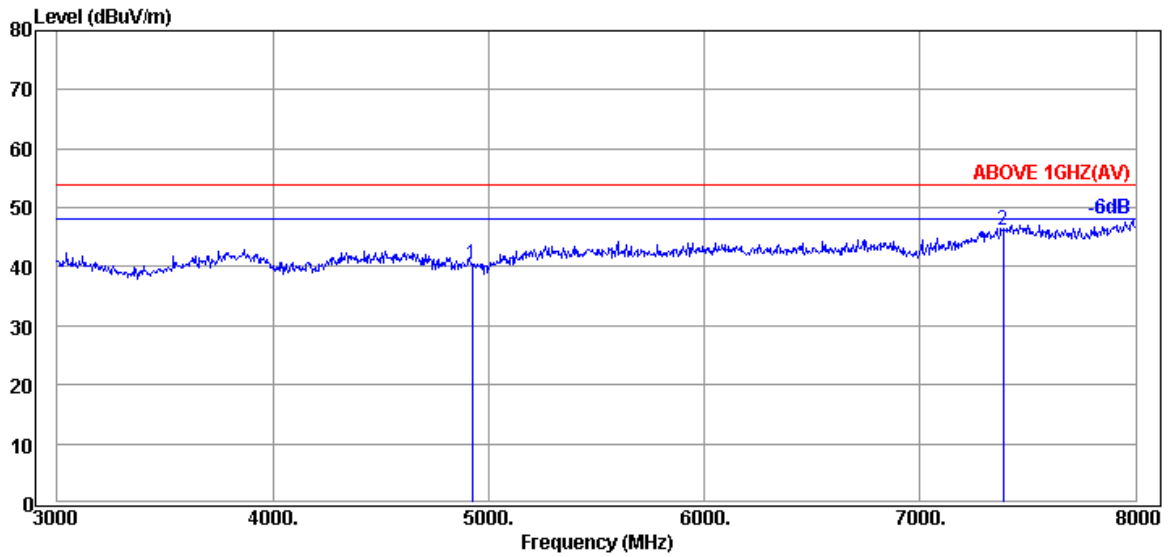
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 3

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(AV)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11b)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4925.00	33.28	9.58	-2.52	40.34	54.00	13.66	Peak
2	7385.00	36.33	11.99	-2.17	46.15	54.00	7.85	Peak

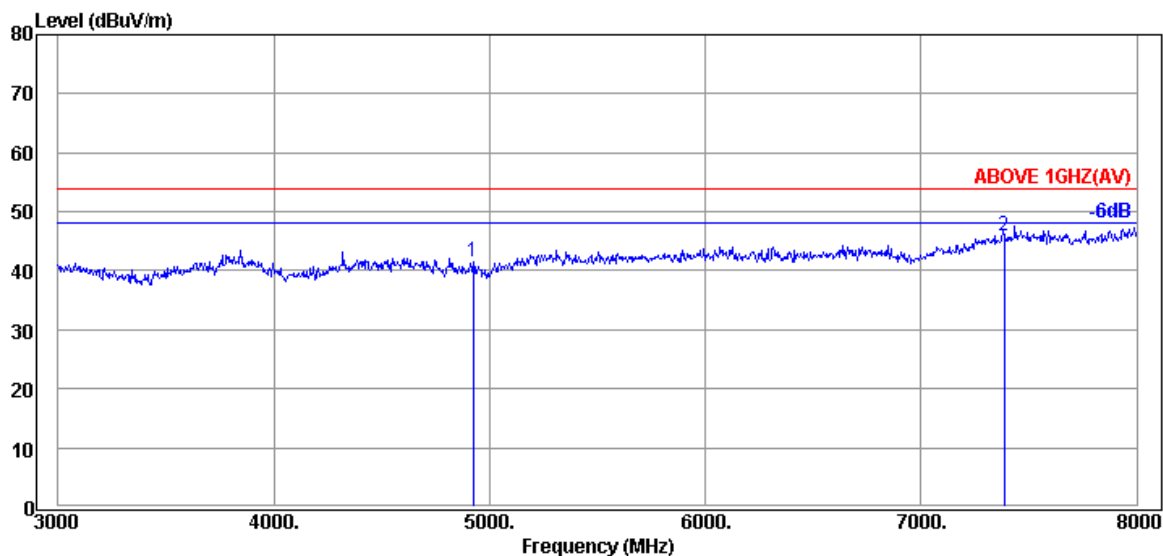
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 4

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(AV)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11b)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4925.00	33.28	9.58	-1.32	41.54	54.00	12.46	Peak
2	7385.00	36.33	11.99	-2.46	45.86	54.00	8.14	Peak

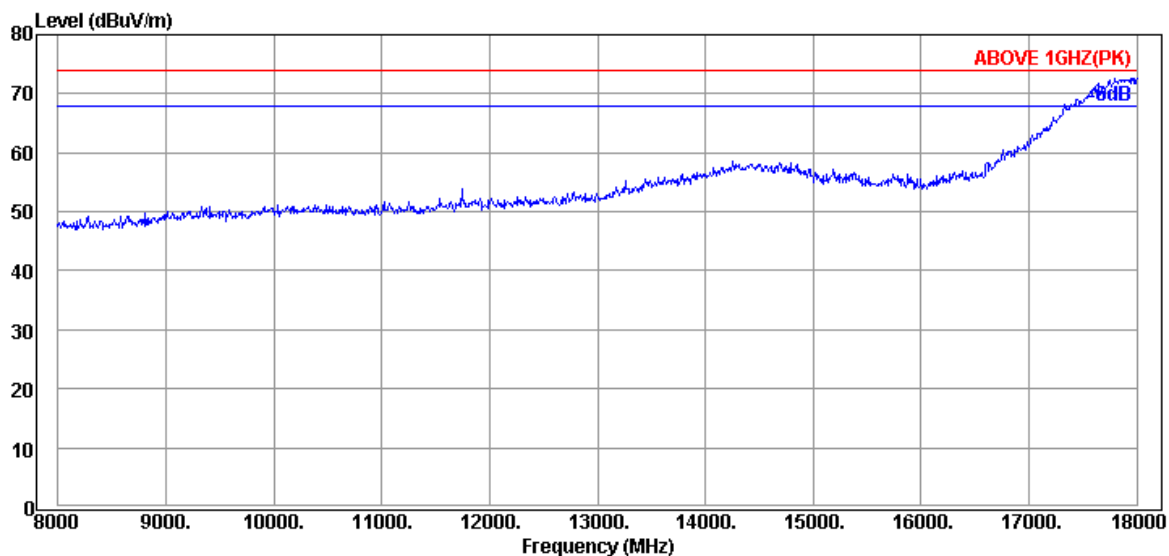
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 5

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11b)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

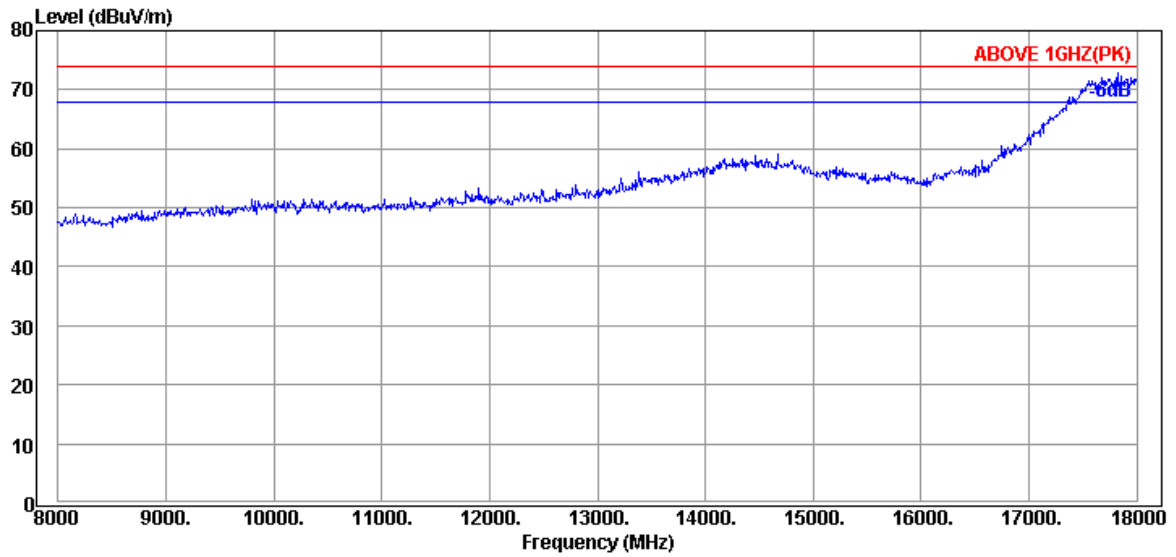
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 6

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11b)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

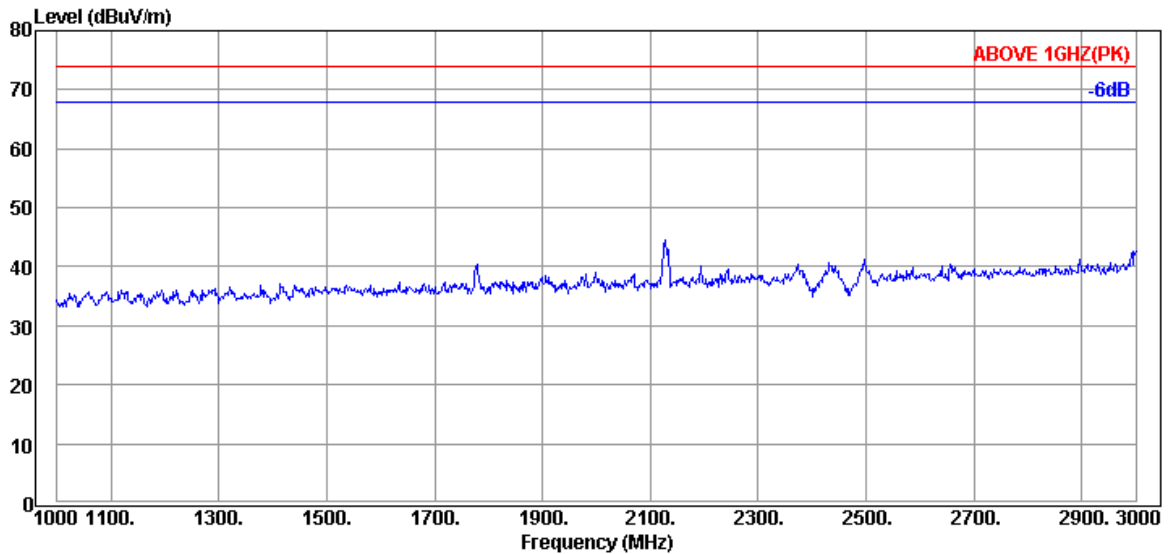
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 7

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11g)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

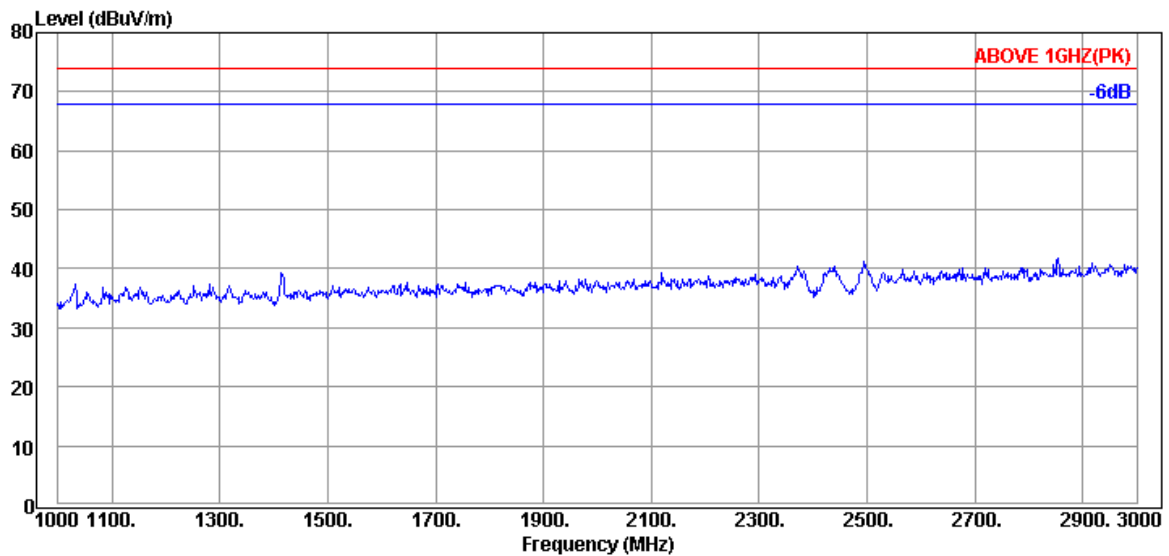
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 8

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11g)

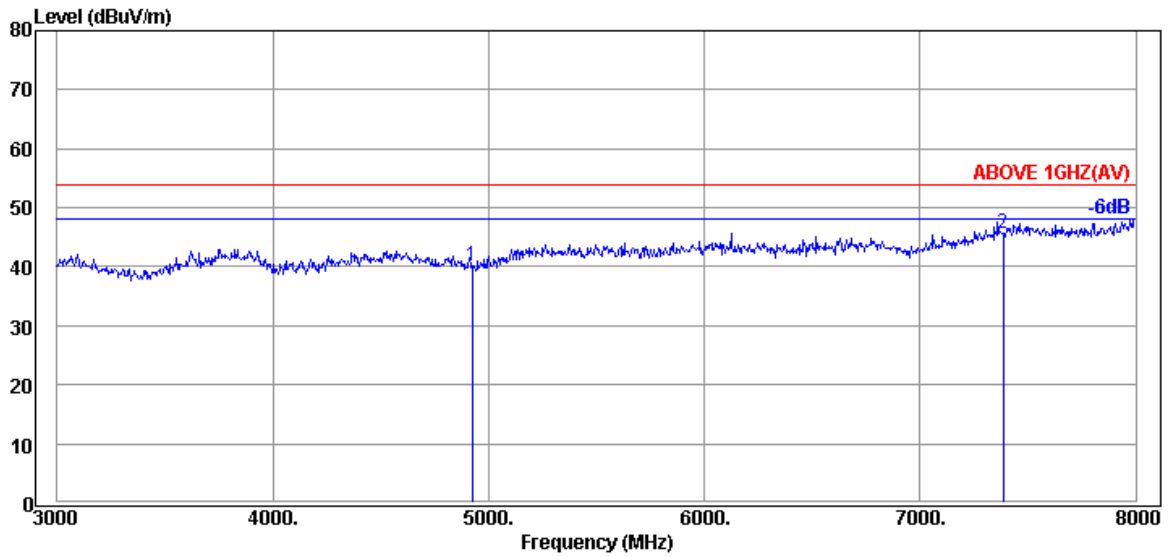
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 9

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(AV)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2462MHz(802.11g)

Ant. Pol. : VERTICAL

Engineer : Brian

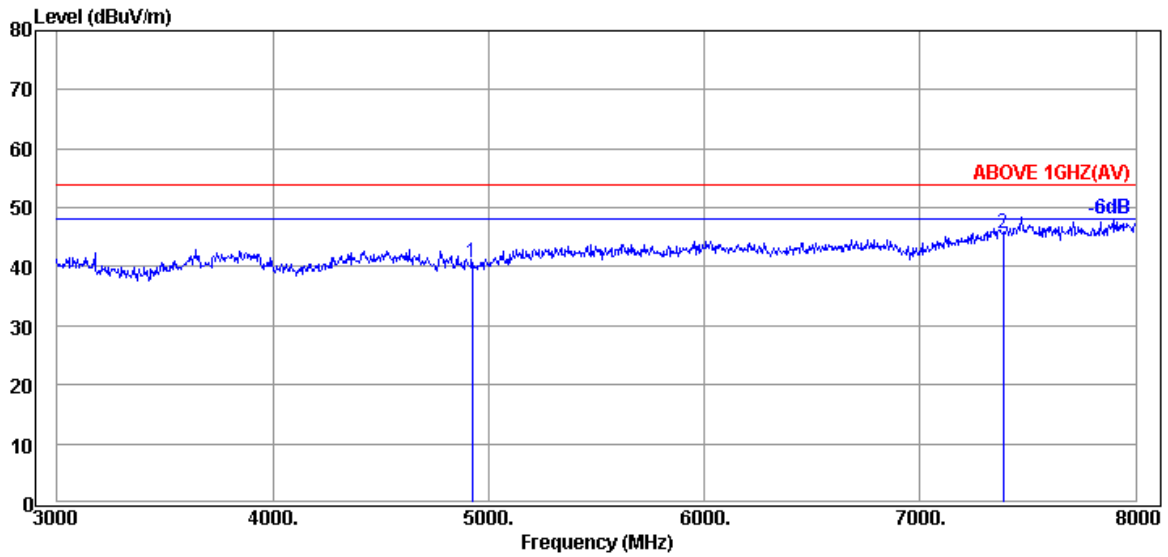
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4925.00	33.28	9.58	-2.73	40.13	54.00	13.87	Peak
2	7385.00	36.33	11.99	-2.71	45.61	54.00	8.39	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 10

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(AV)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2462MHz(802.11g)

Ant. Pol. : HORIZONTAL

Engineer : Brian

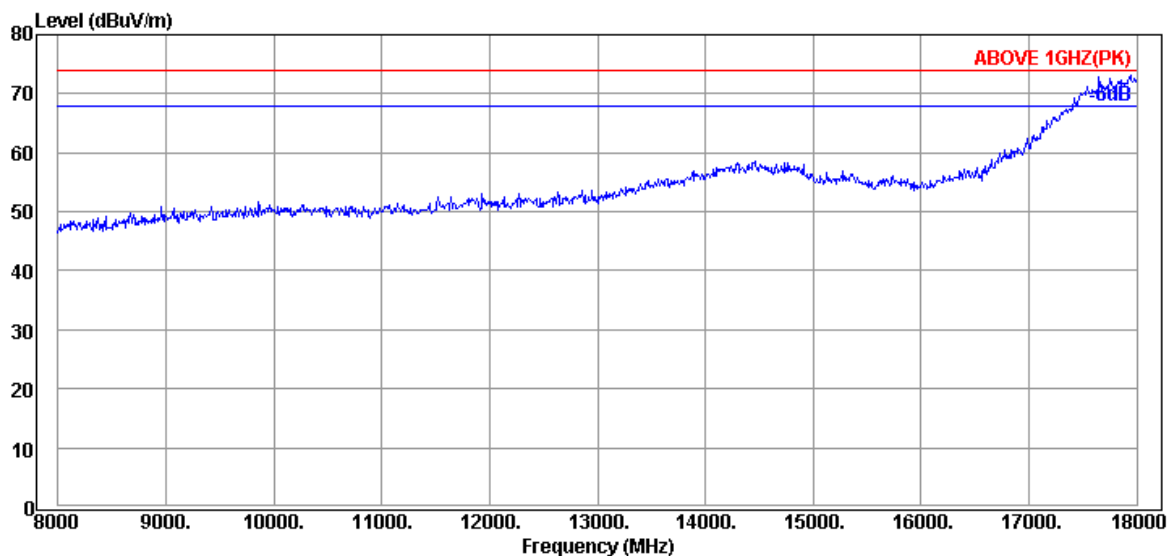
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4925.00	33.28	9.58	-2.14	40.72	54.00	13.28	Peak
2	7385.00	36.33	11.99	-2.73	45.59	54.00	8.41	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 11

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11g)

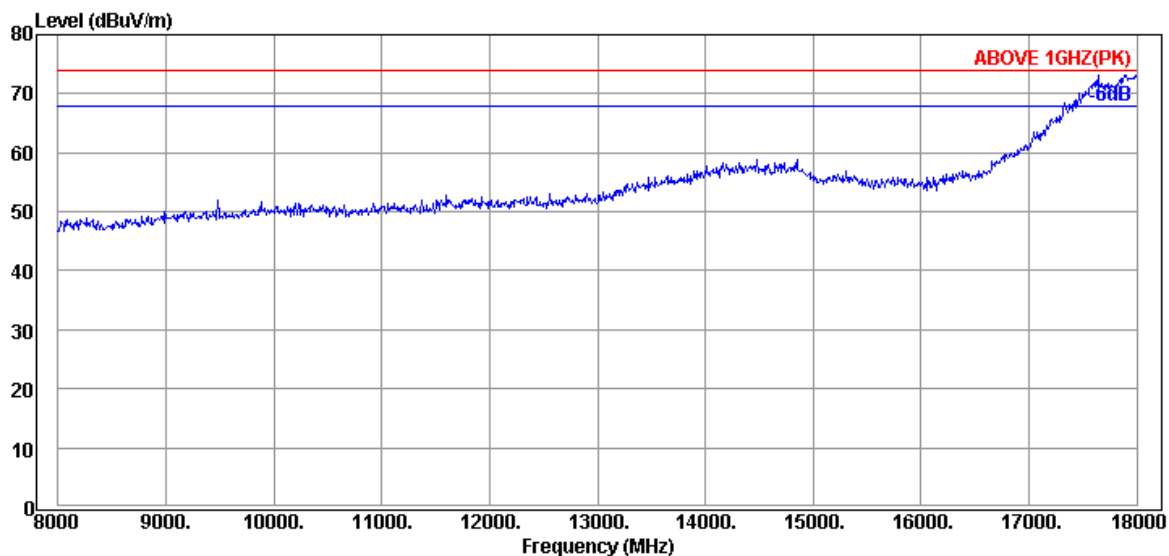
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 12

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11g)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

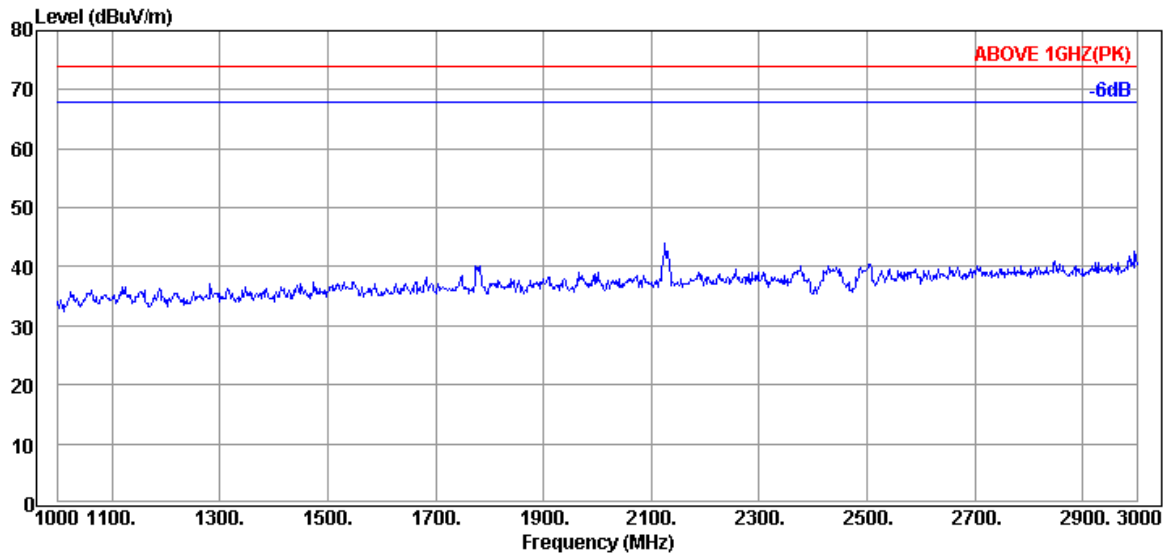
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 13

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

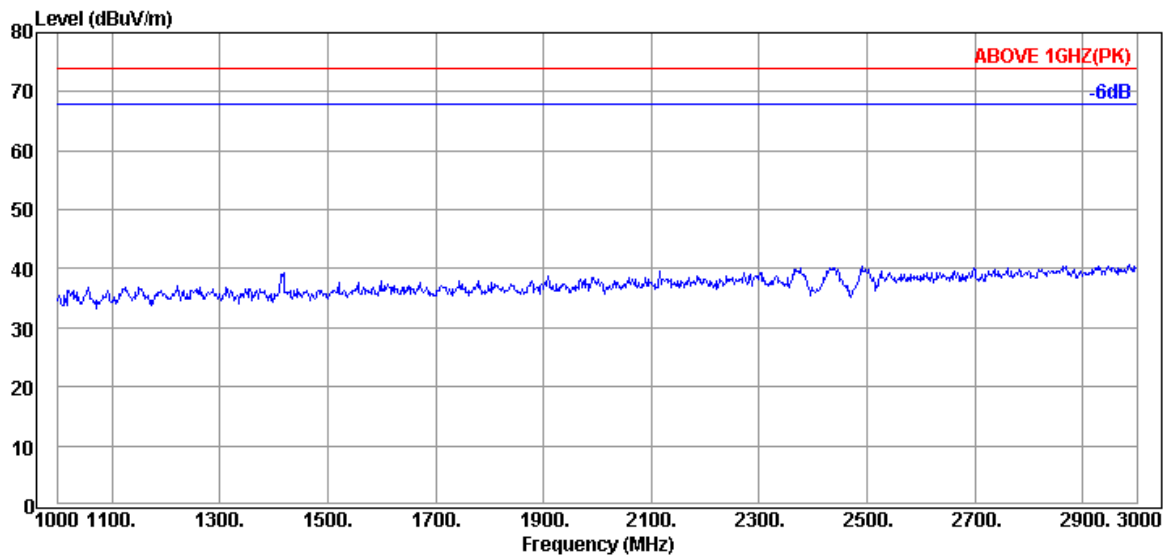
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 14

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

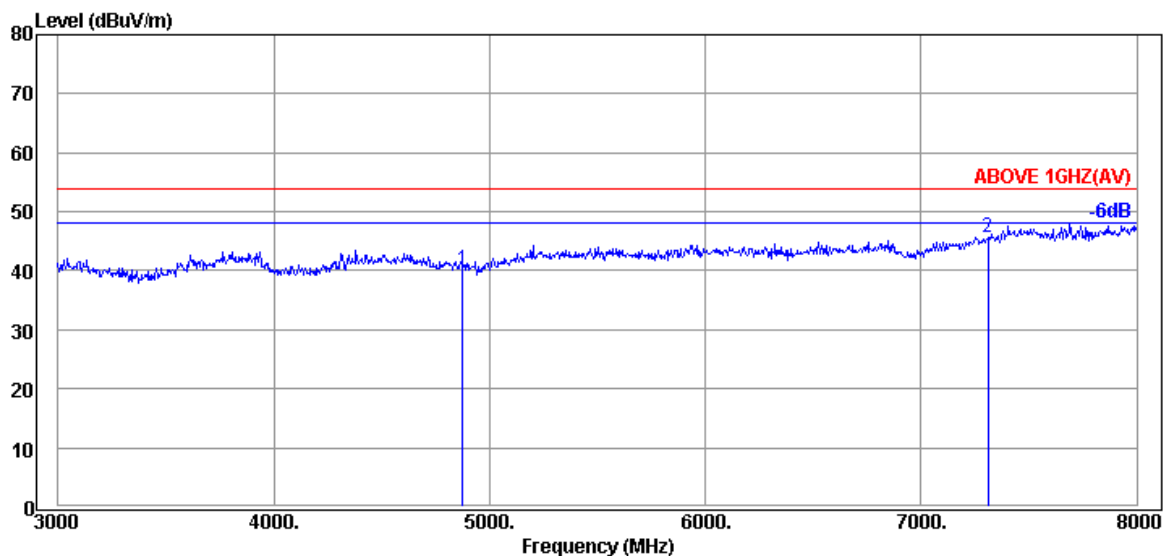
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 15

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(AV)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4875.00	33.18	9.56	-2.50	40.24	54.00	13.76	Peak
2	7310.00	36.11	11.90	-2.49	45.52	54.00	8.48	Peak

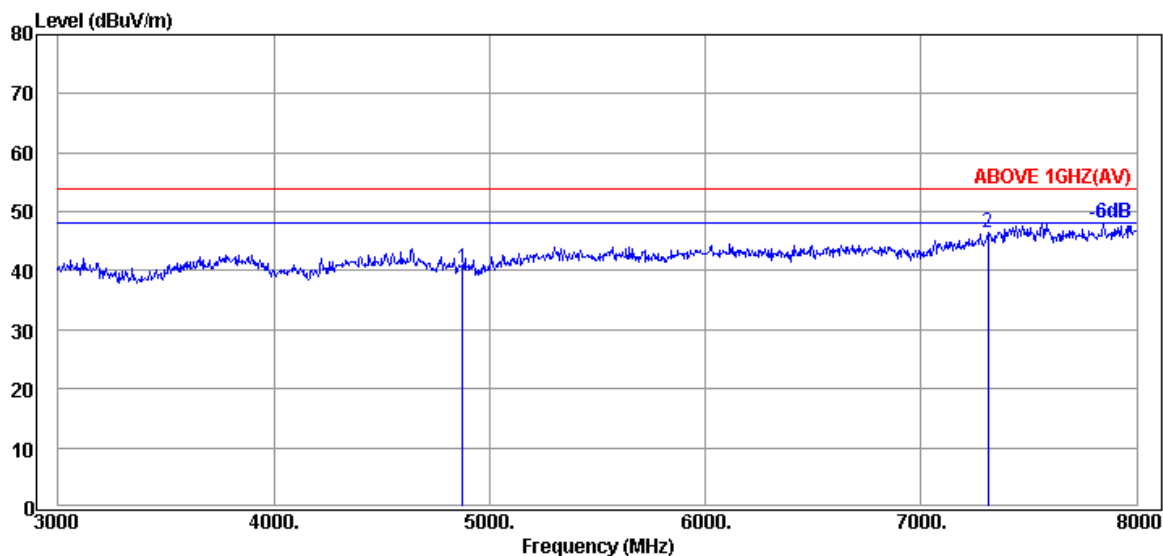
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 16

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(AV)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4875.00	33.18	9.56	-2.29	40.45	54.00	13.55	Peak
2	7310.00	36.11	11.90	-1.65	46.36	54.00	7.64	Peak

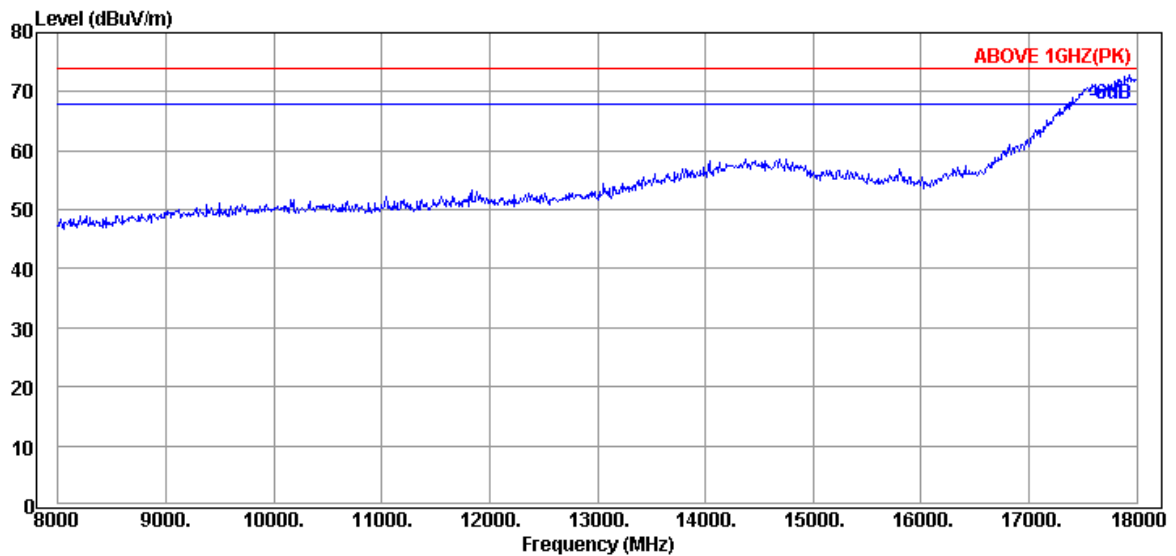
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 17

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

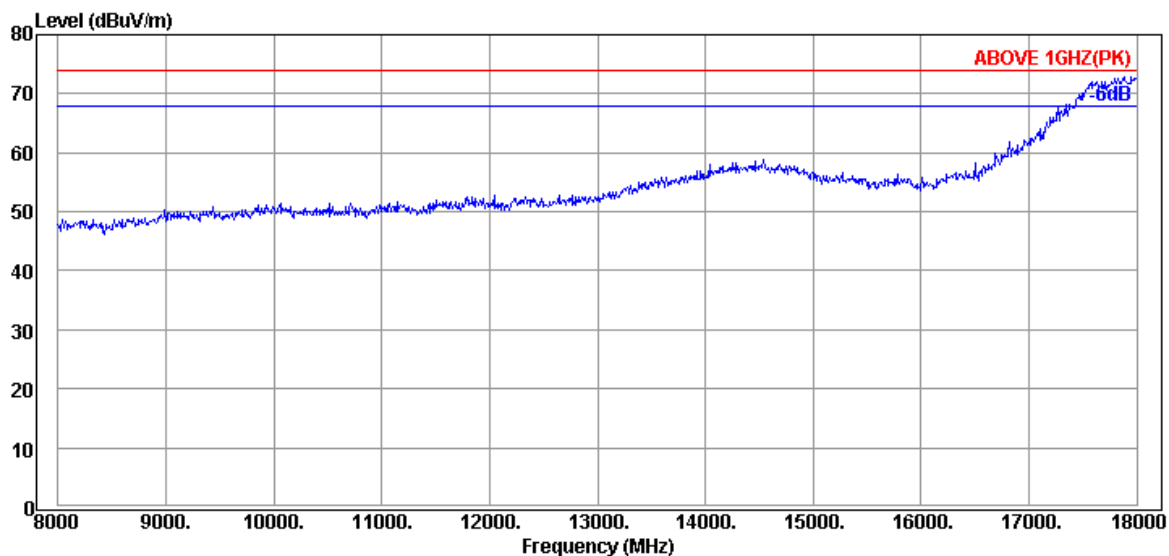
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 18

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 20°C / 49% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

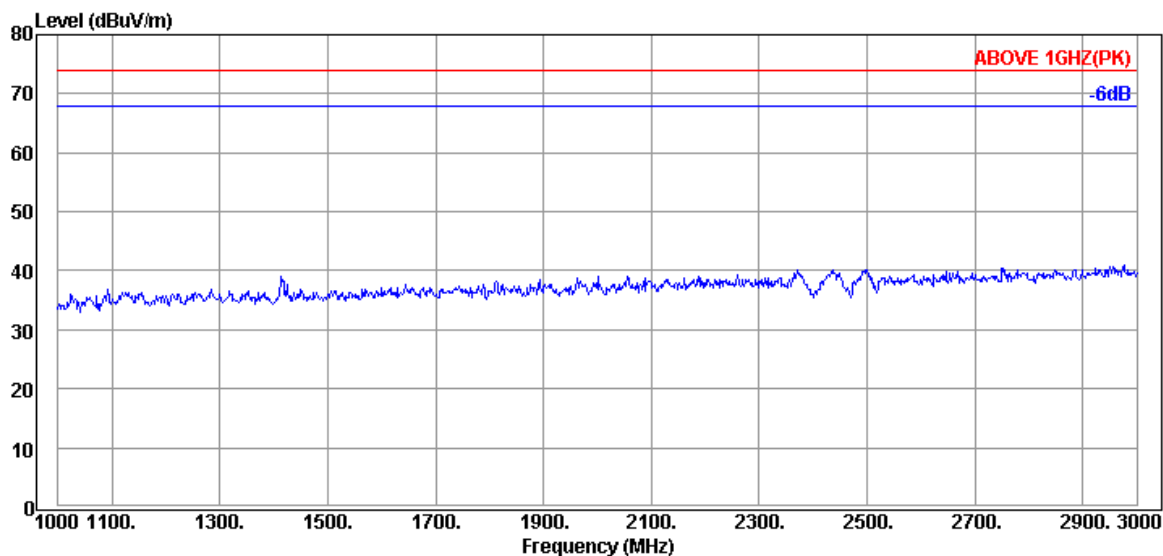
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 19

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2437MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

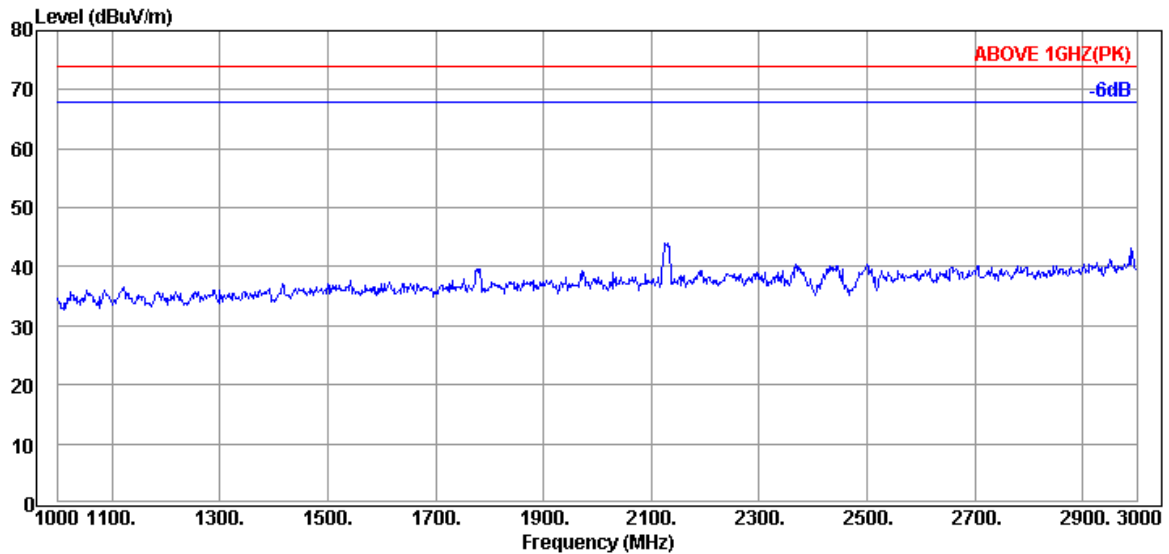
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 20

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2437MHz

Ant. Pol. : VERTICAL

Engineer : Brian

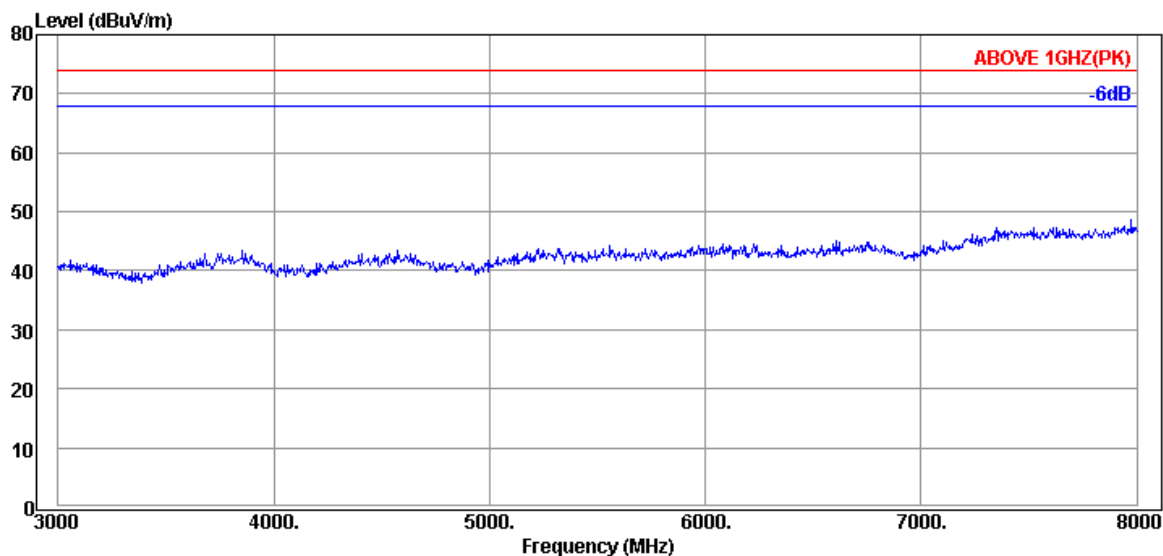
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 21

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Rx 2437MHz

Ant. Pol. : VERTICAL

Engineer : Brian

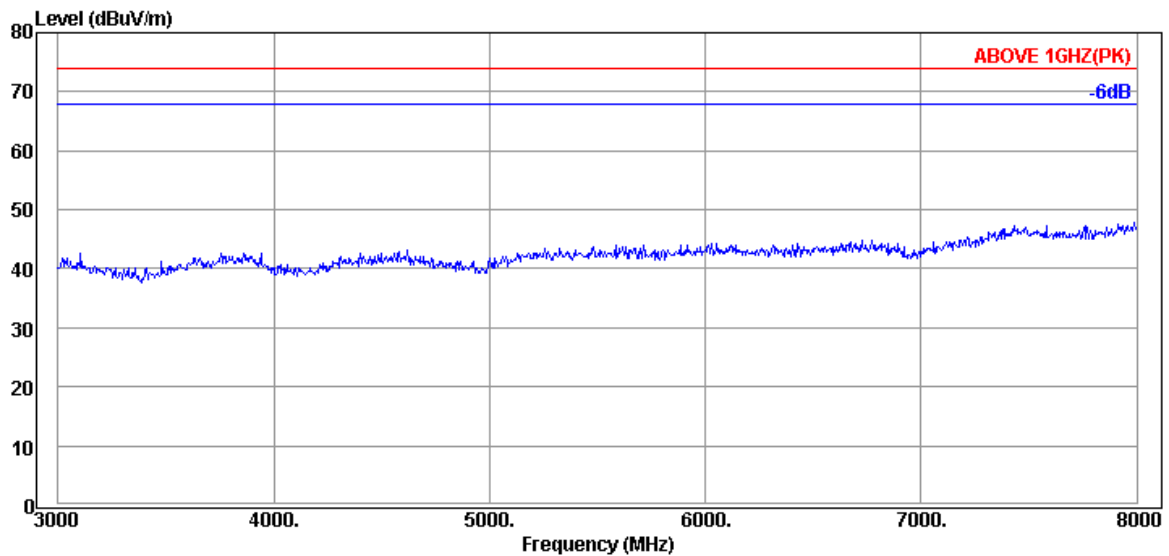
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 22

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2437MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

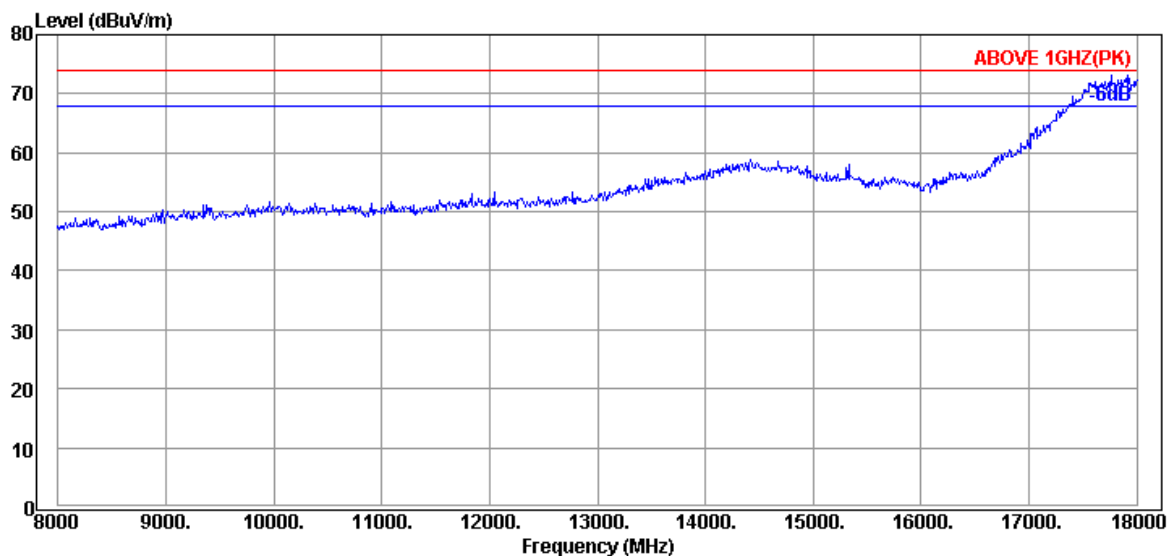
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 23

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Rx 2437MHz

Ant. Pol. : VERTICAL

Engineer : Brian

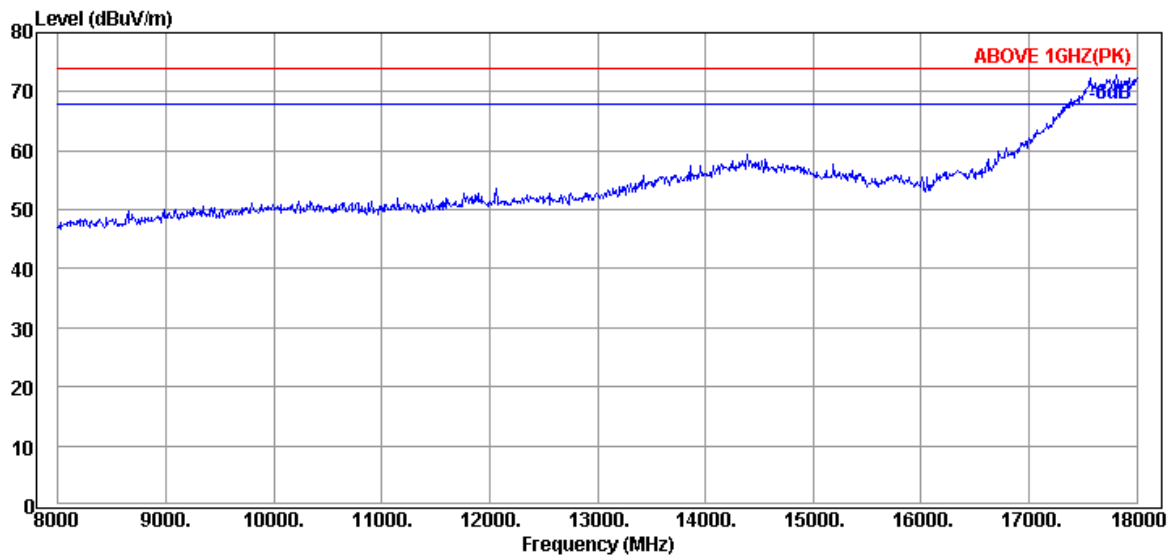
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 24

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2437MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

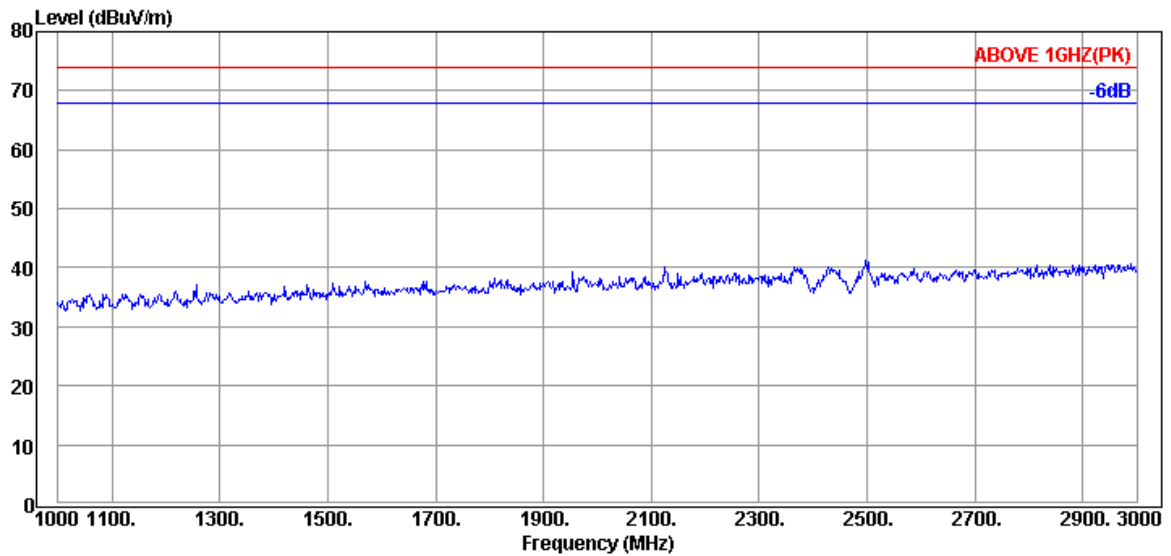
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 25

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2402MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

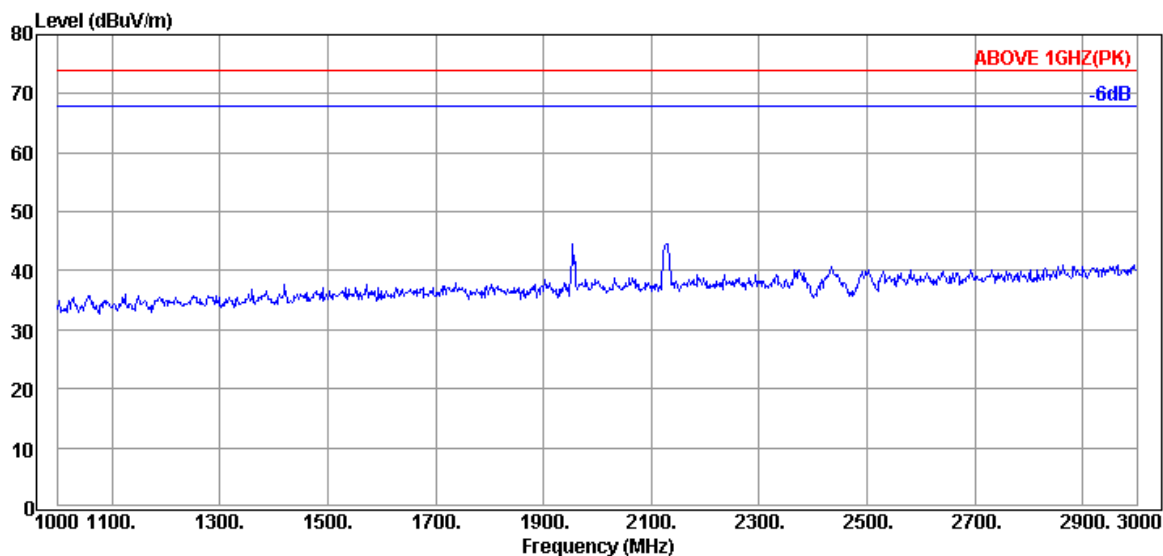
Item	Freq	Antenna	Cable	Read	Level	Limit	Margin	Detector
(Mark)	(MHz)	Factor (dB/m)	Loss (dB)	Level (dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 26

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2402MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

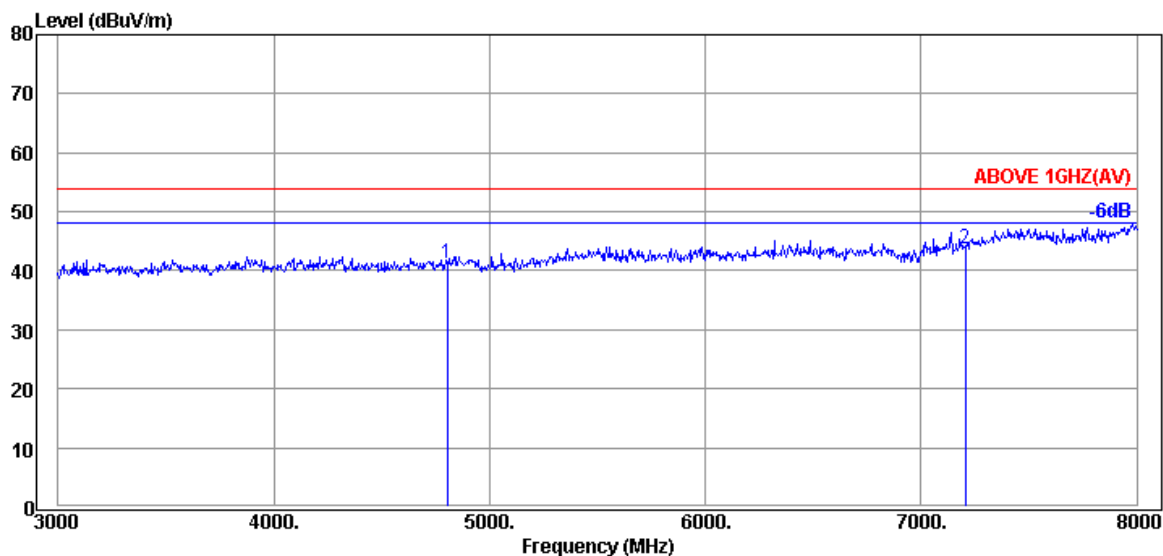
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 27

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(AV)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2402MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

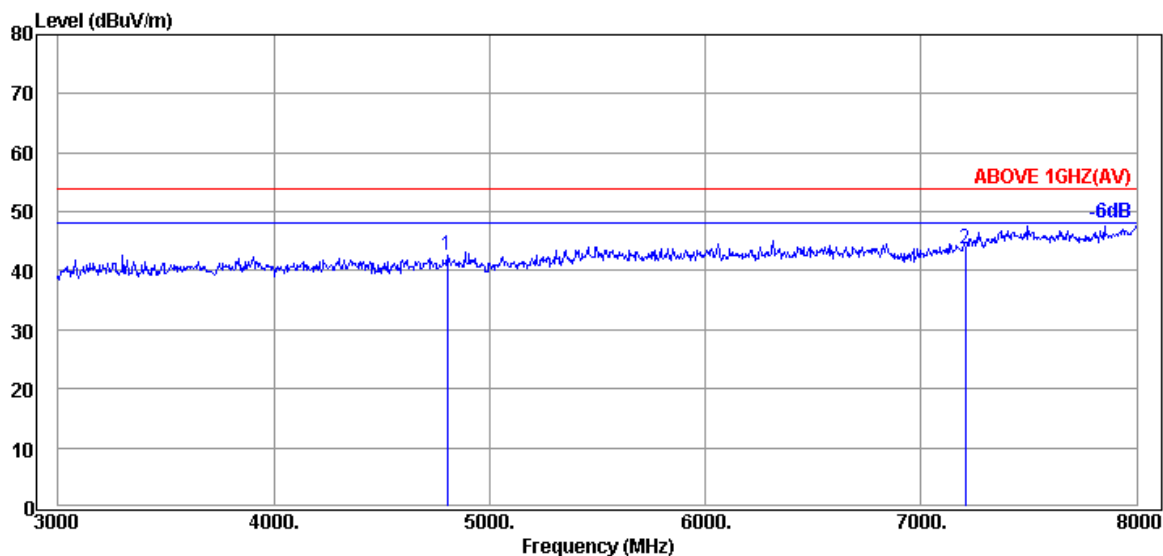
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4805.00	33.06	9.54	-1.41	41.19	54.00	12.81	Peak
2	7205.00	35.84	11.80	-3.81	43.83	54.00	10.17	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 28

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(AV)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2402MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

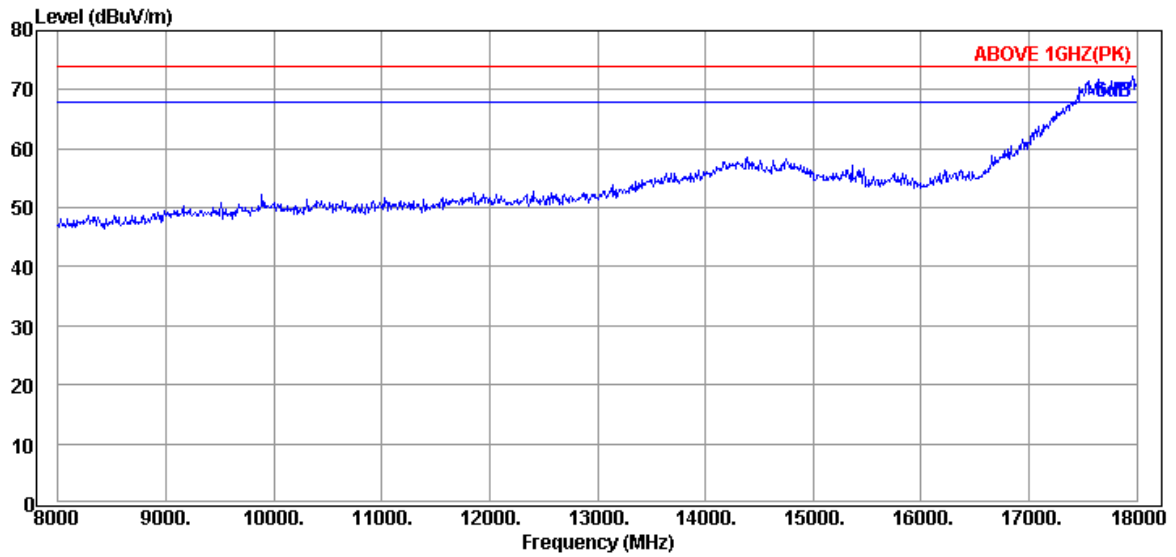
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit Line (dB μ V/m)	Margin (dB)	Detector
1	4805.00	33.06	9.54	-0.06	42.54	54.00	11.46	Peak
2	7205.00	35.84	11.80	-3.85	43.79	54.00	10.21	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 29

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2402MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

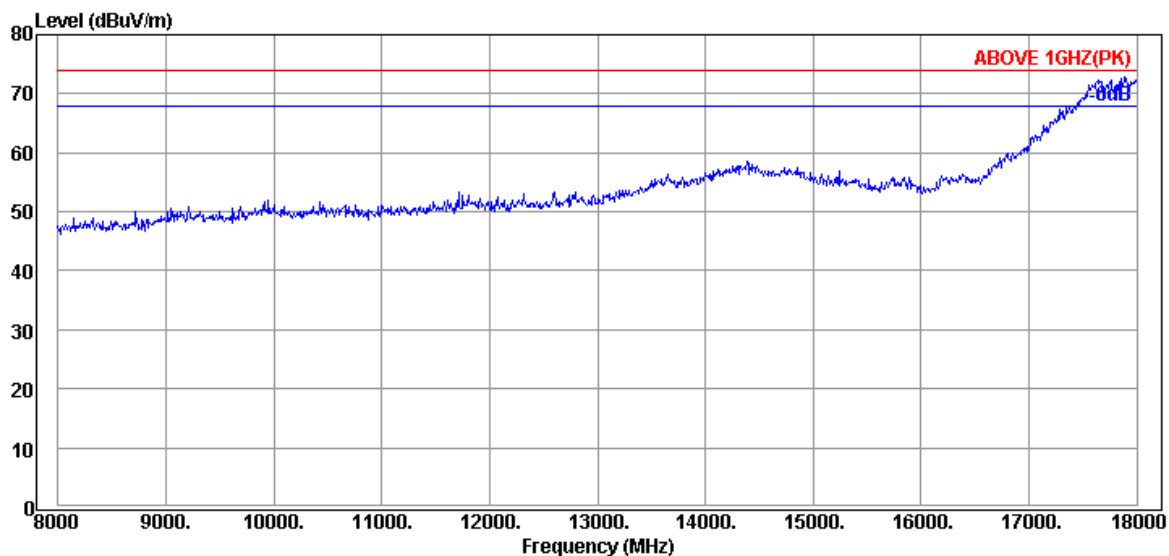
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 30

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2402MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

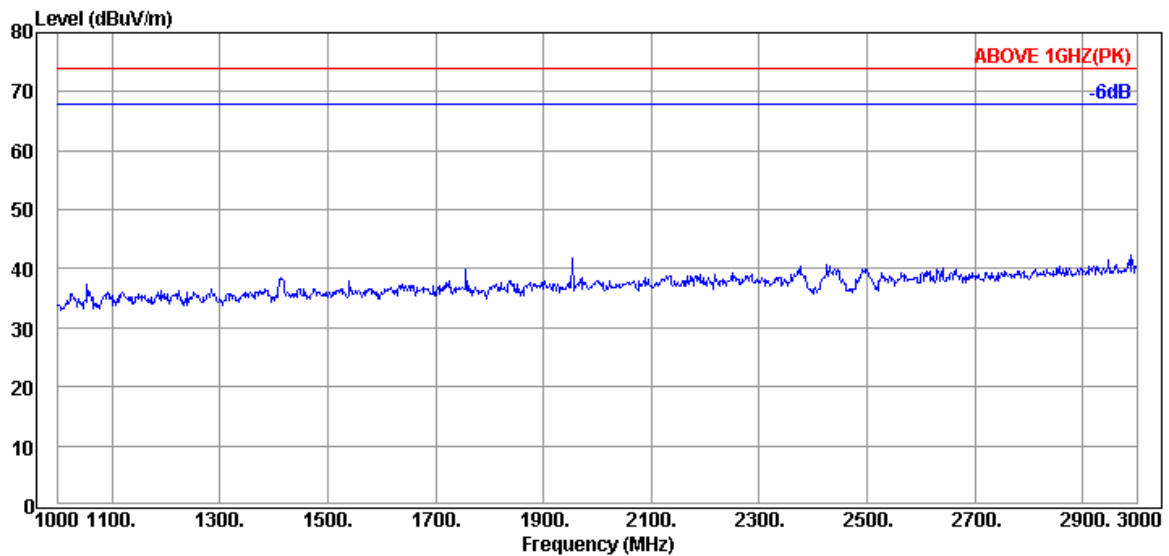
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 31

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2440MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

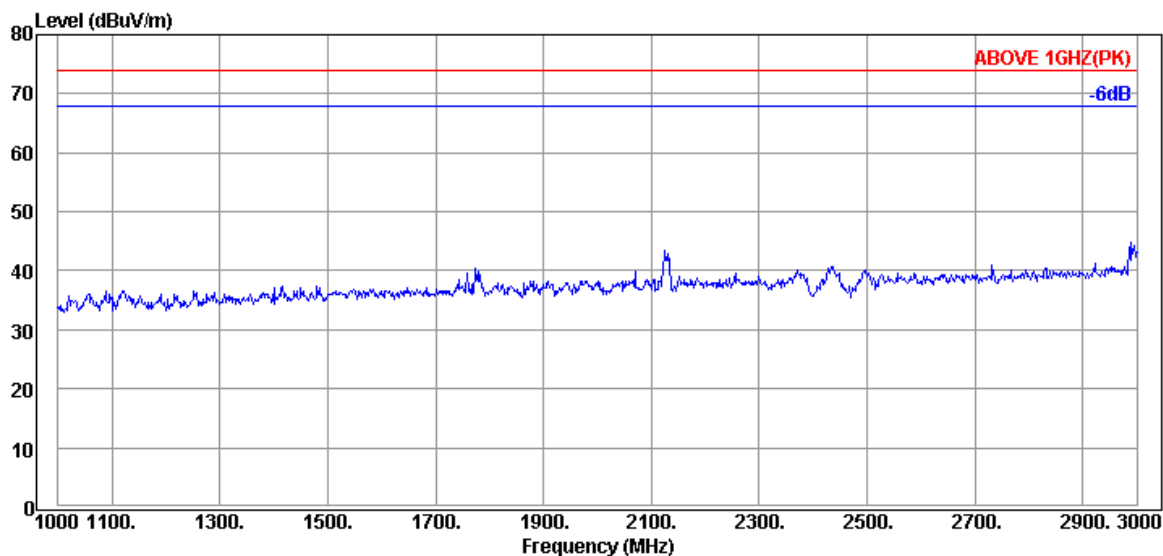
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 32

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2440MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

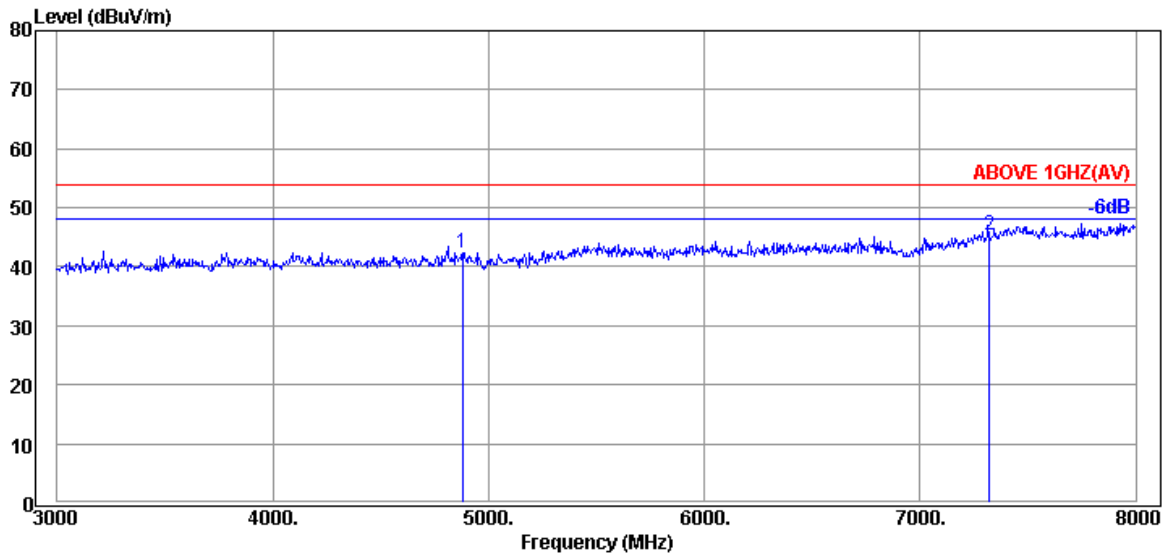
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 33

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(AV)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2440MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

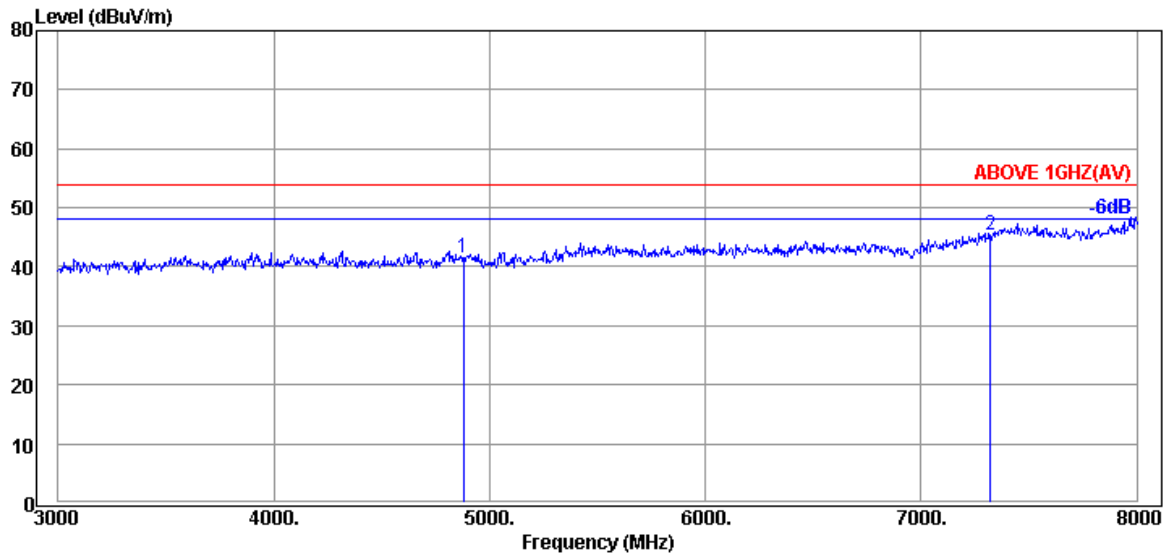
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBUV/m)	Limit Line (dBUV/m)	Margin (dB)	Detector
1	4880.00	33.18	9.56	-0.50	42.24	54.00	11.76	Peak
2	7320.00	36.15	11.92	-2.65	45.42	54.00	8.58	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 34

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(AV)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2440MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

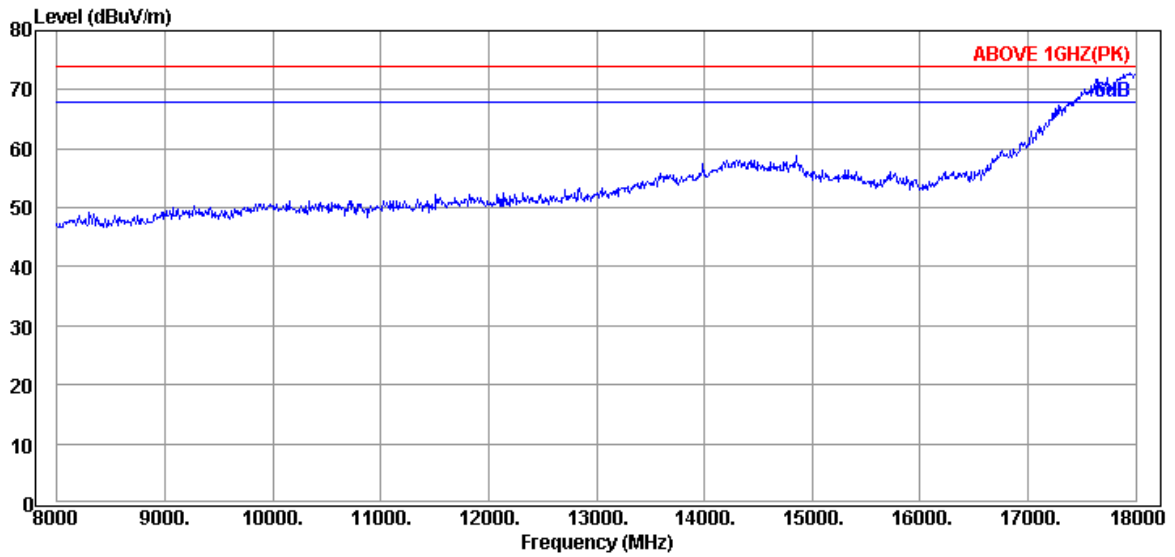
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4880.00	33.18	9.56	-1.13	41.61	54.00	12.39	Peak
2	7320.00	36.15	11.92	-2.62	45.45	54.00	8.55	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 35

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2440MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

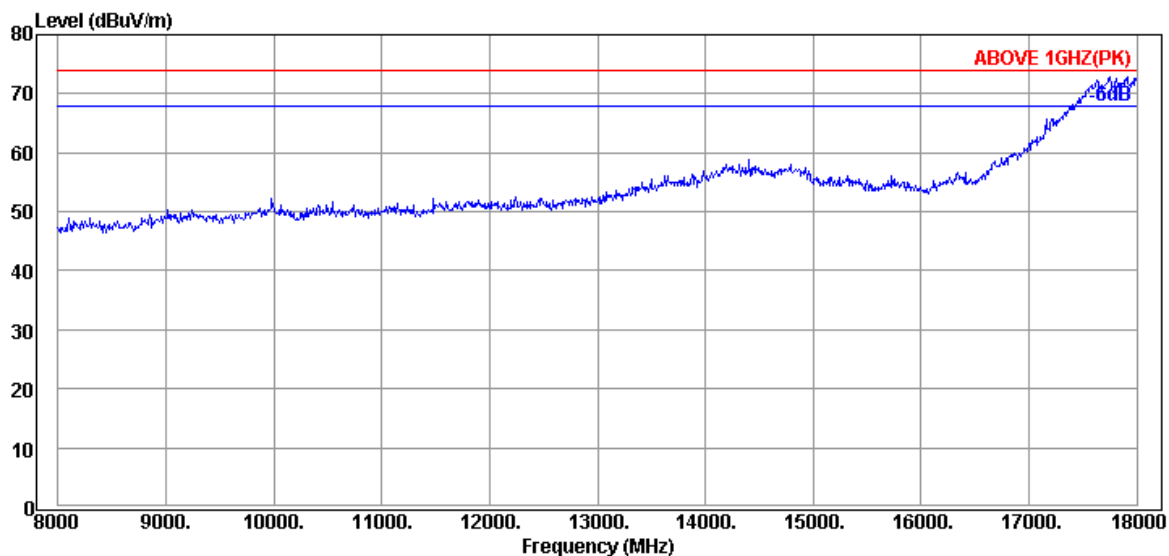
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 36

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2440MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

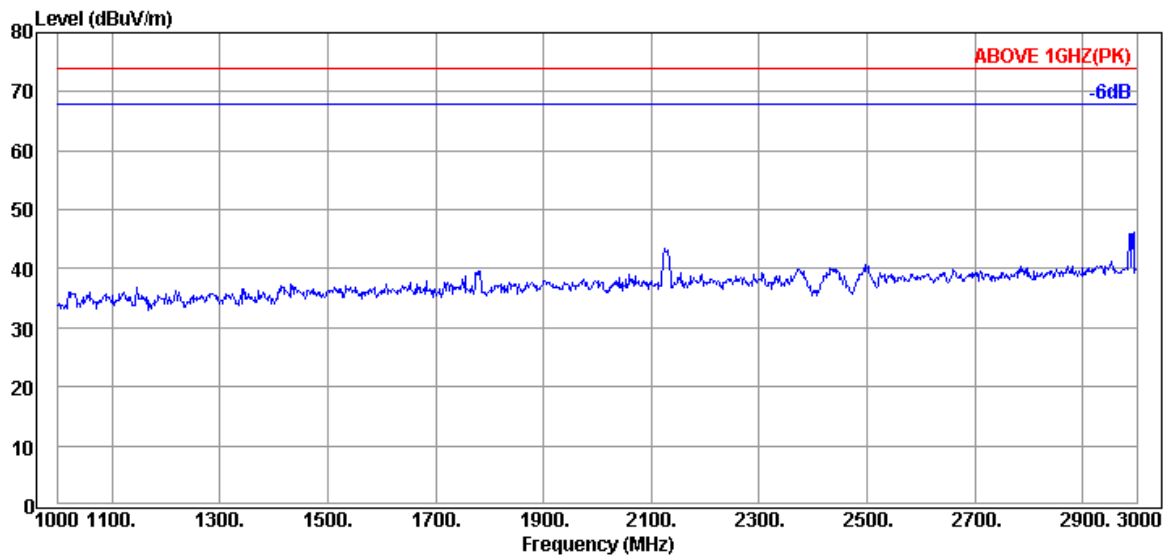
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 37

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2480MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

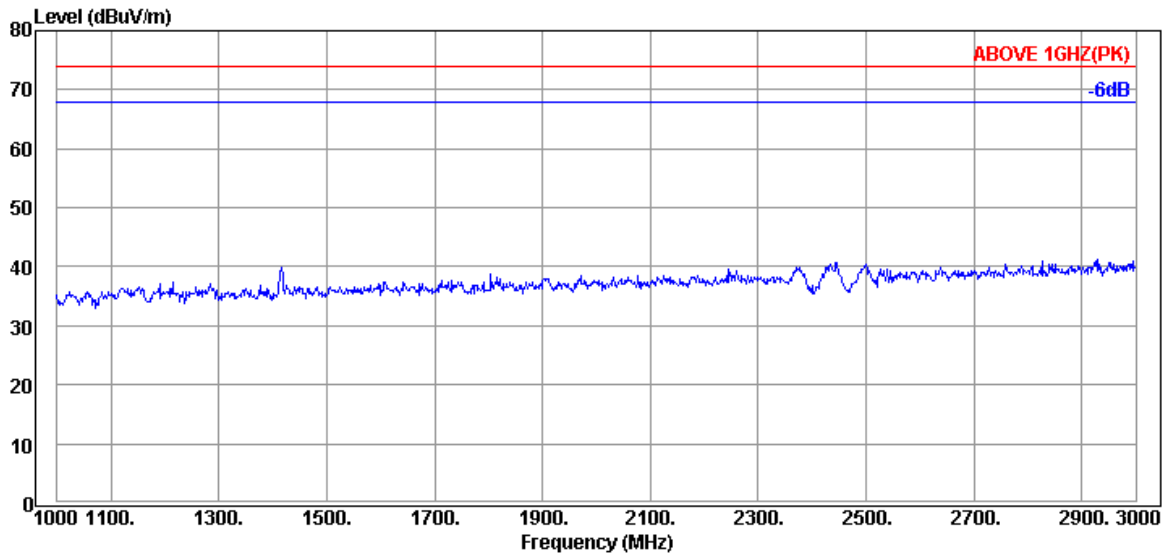
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 38

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2480MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

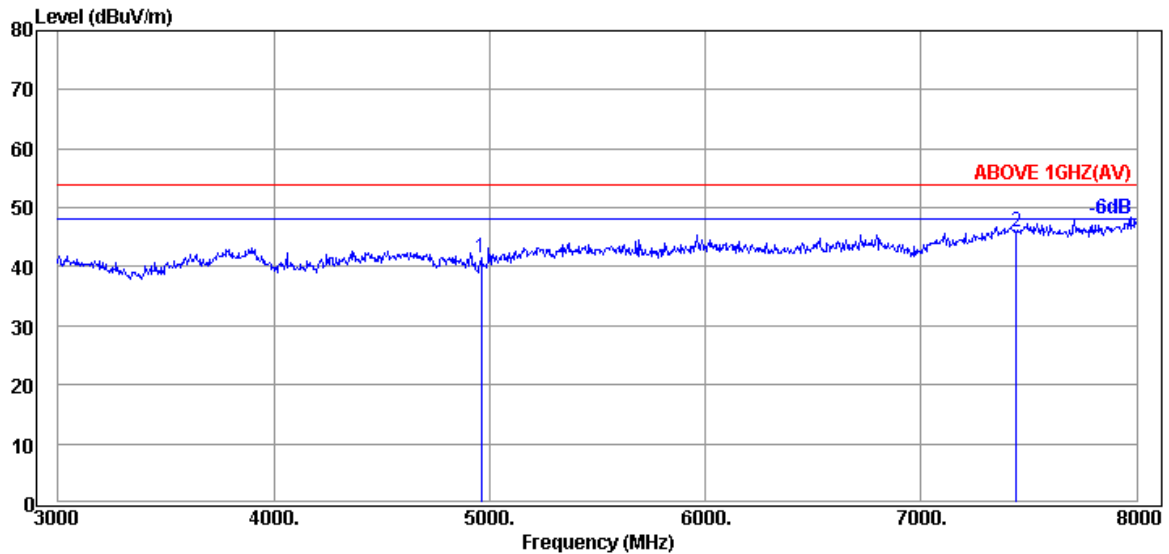
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 39

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(AV)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2480MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

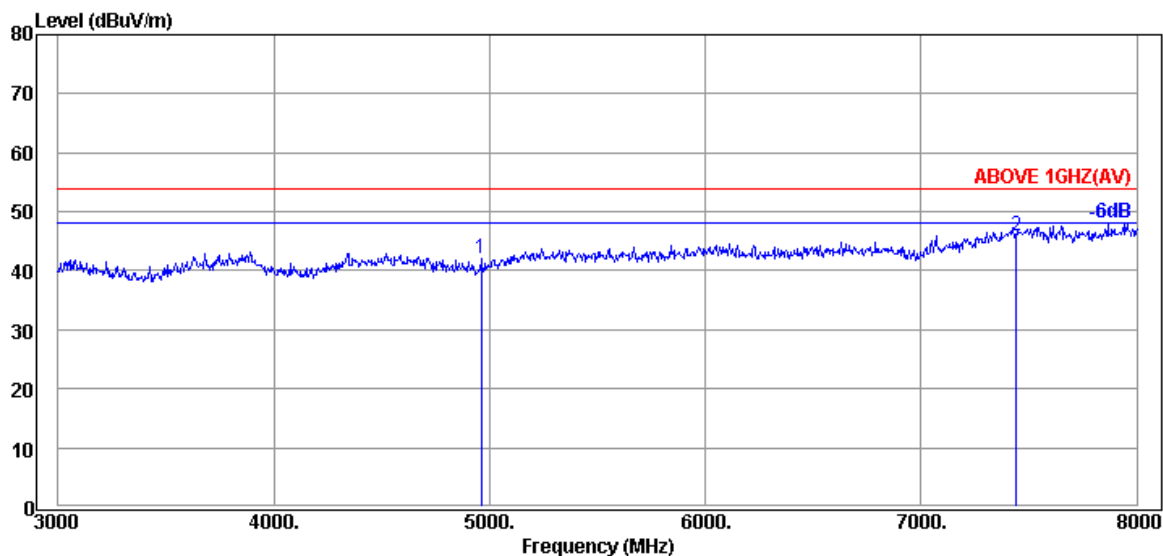
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dBμV)	Level (dBμV/m)	Limit Line (dBμV/m)	Margin (dB)	Detector
1	4960.00	33.34	9.60	-1.32	41.62	54.00	12.38	Peak
2	7440.00	36.47	12.04	-2.63	45.88	54.00	8.12	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 40

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(AV)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2480MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

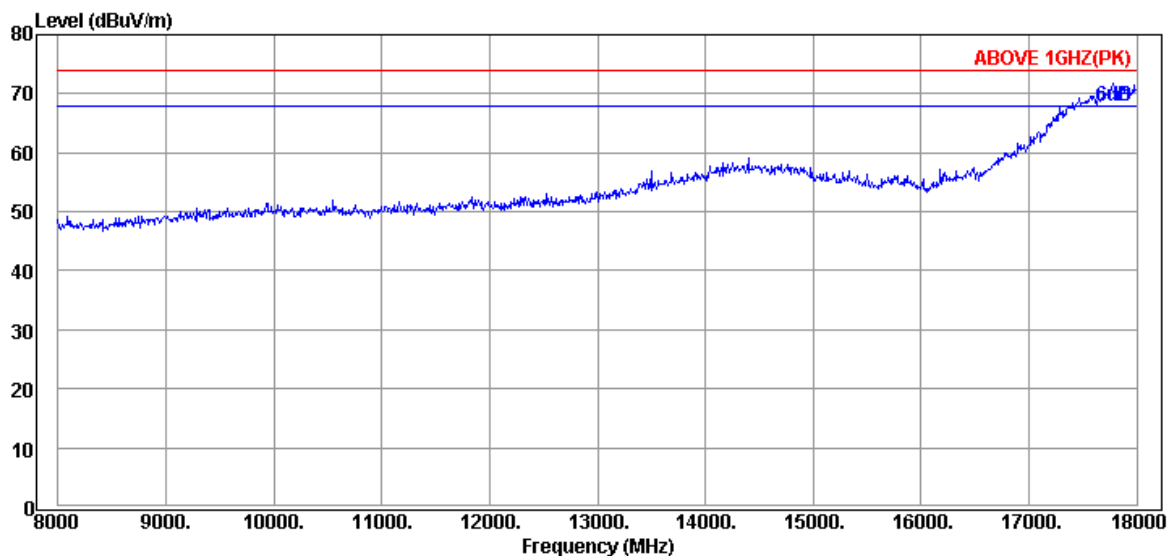
Item (Mark)	Freq (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Read Level (dB μ V)	Level (dB μ V/m)	Limit Line (dB μ V/m)	Margin (dB)	Detector
1	4960.00	33.34	9.60	-0.83	42.11	54.00	11.89	Peak
2	7440.00	36.47	12.04	-2.59	45.92	54.00	8.08	Peak

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 41

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 20°C / 49% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2480MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

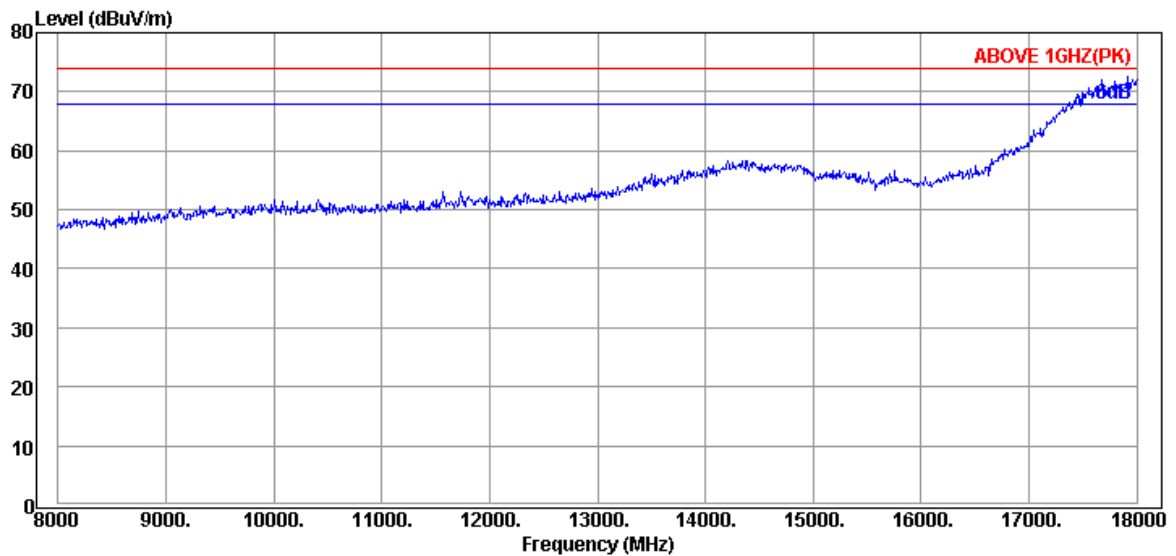
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 42

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2480MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

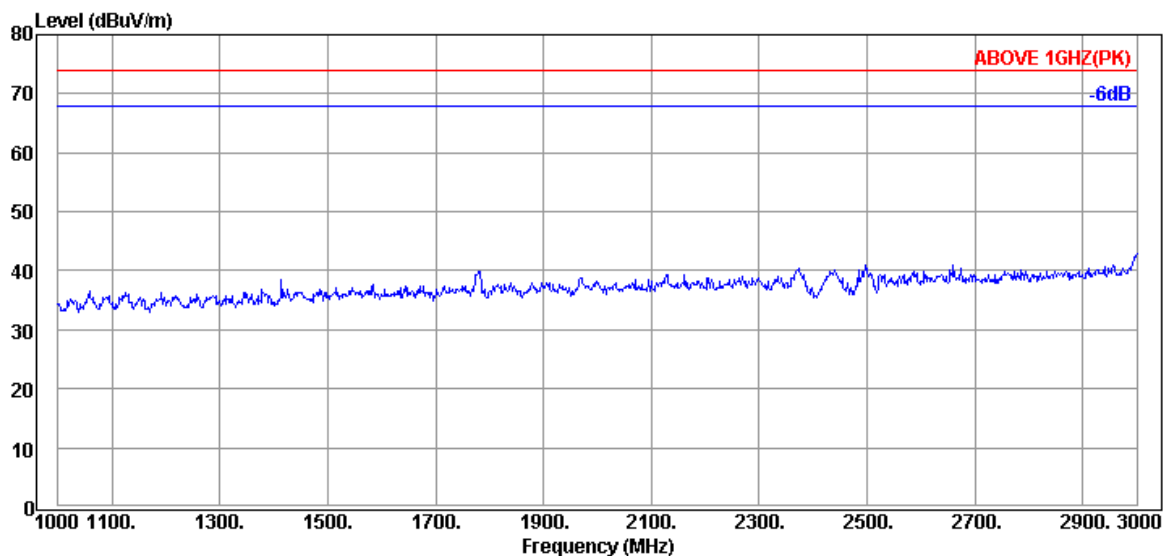
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 43

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : VERTICAL

Engineer : Brian

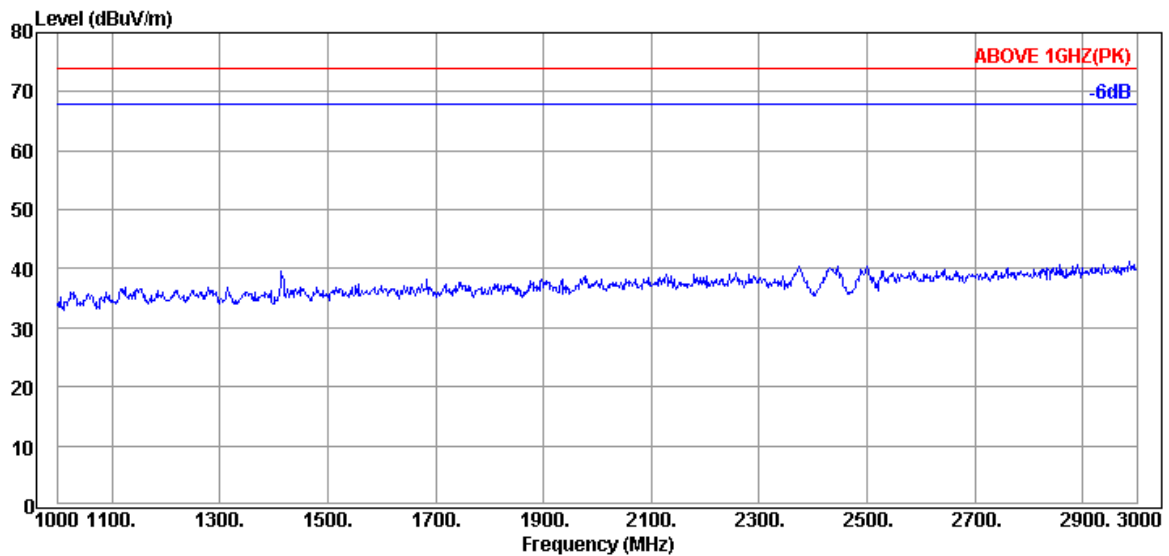
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 44

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

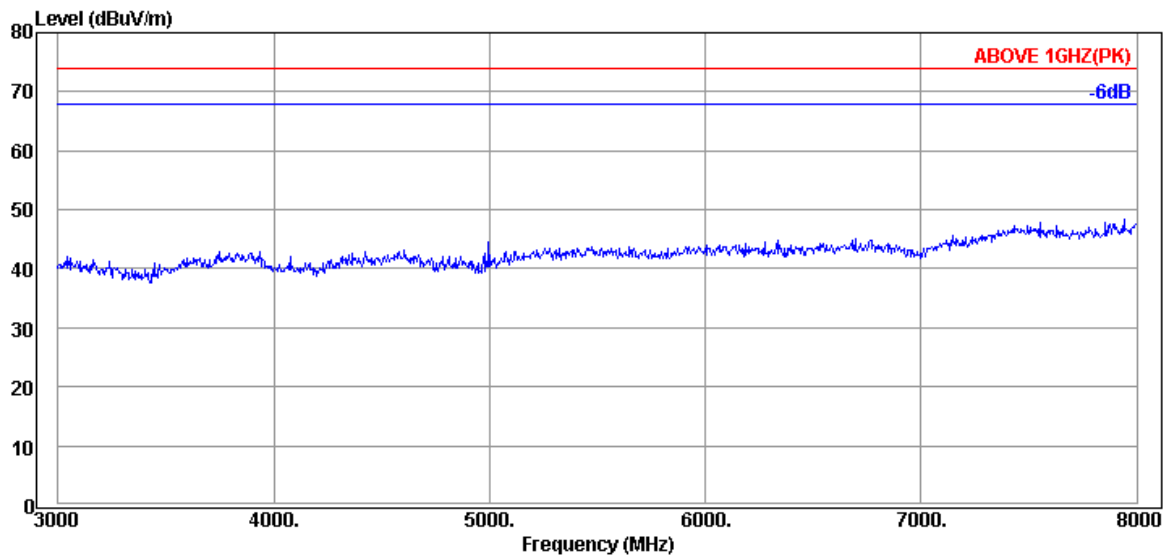
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 45

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : VERTICAL

Engineer : Brian

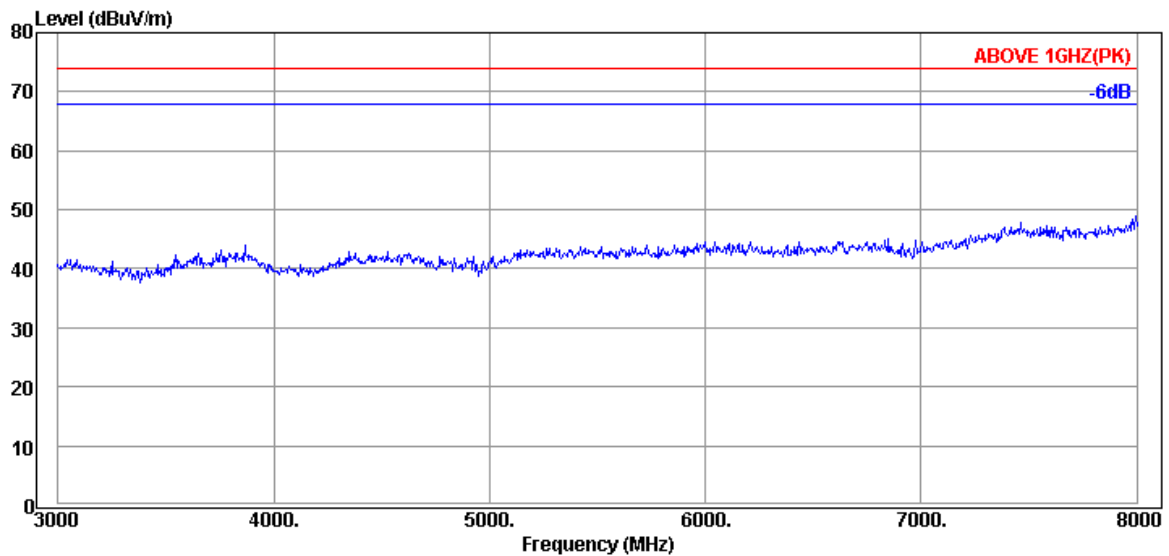
Item	Freq	Antenna	Cable	Read	Level	Limit	Margin	Detector
(Mark)	(MHz)	Factor	Loss	Level	(dB μ V/m)	(dB μ V/m)	(dB)	
		(dB/m)	(dB)	(dB μ V)				

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 46

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

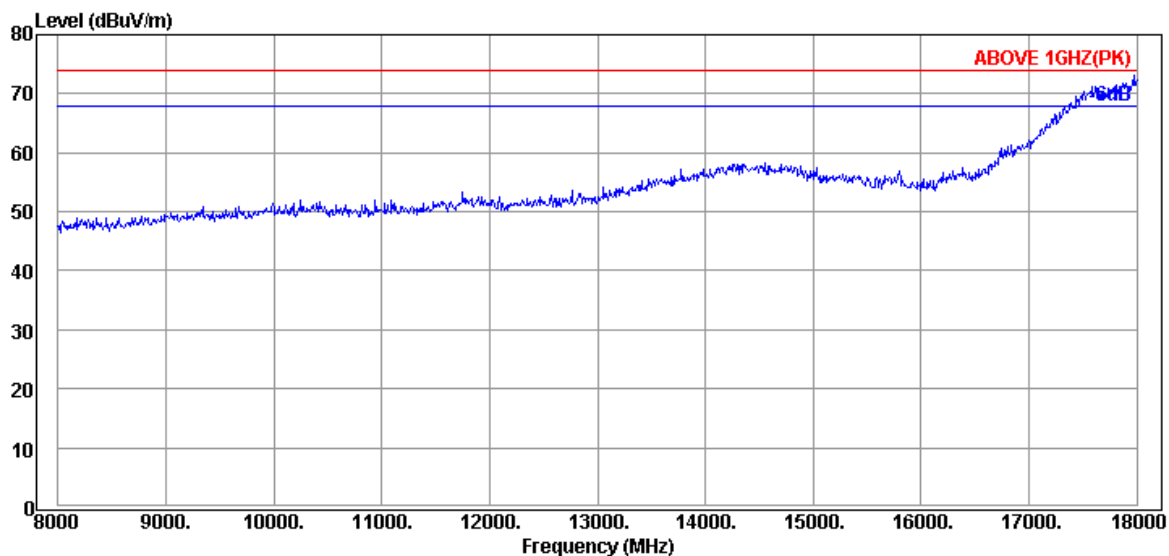
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 47

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : VERTICAL

Engineer : Brian

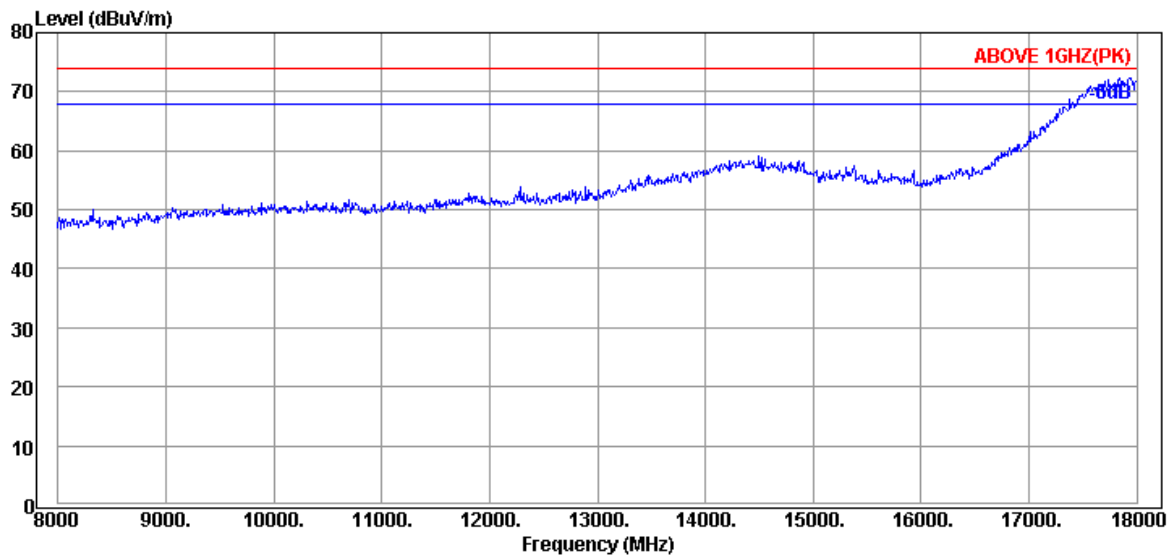
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 48

Test Site: Audix Fully Chamber



Condition : 3m 3115(4927)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 20°C / 49% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

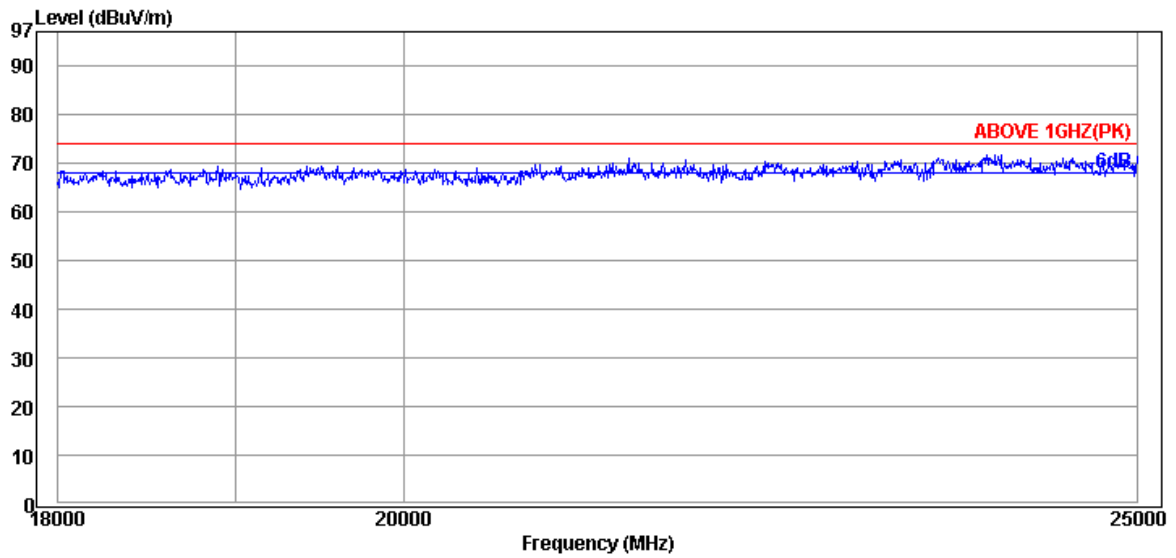
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 1

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 21°C / 42% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2462MHz(802.11b)

Ant. Pol. : VERTICAL

Engineer : Brian

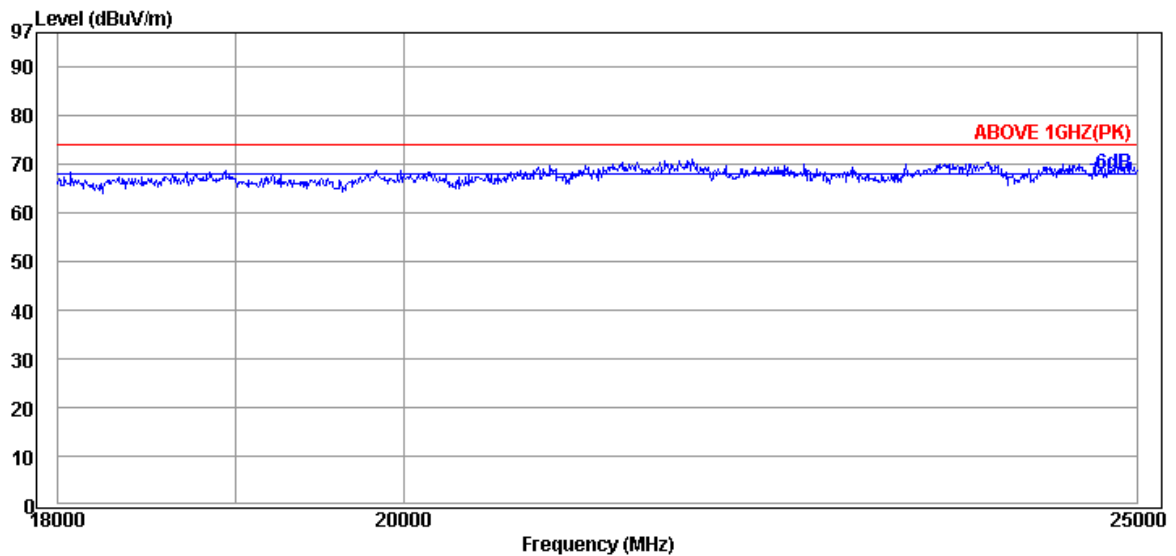
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 2

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2462MHz(802.11b)

Ant. Pol. : HORIZONTAL

Engineer : Brian

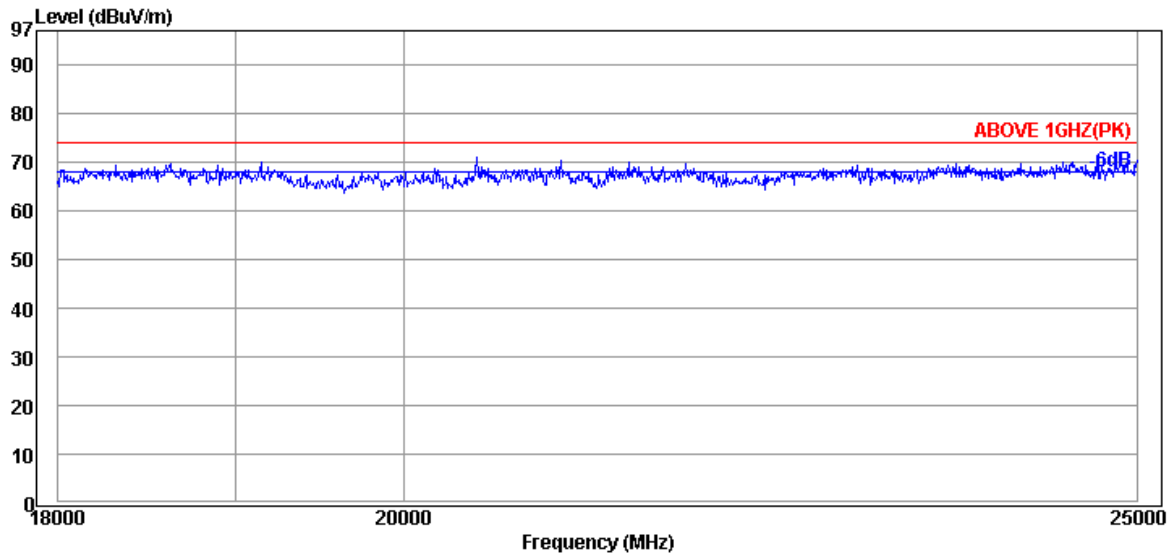
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 3

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11g)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

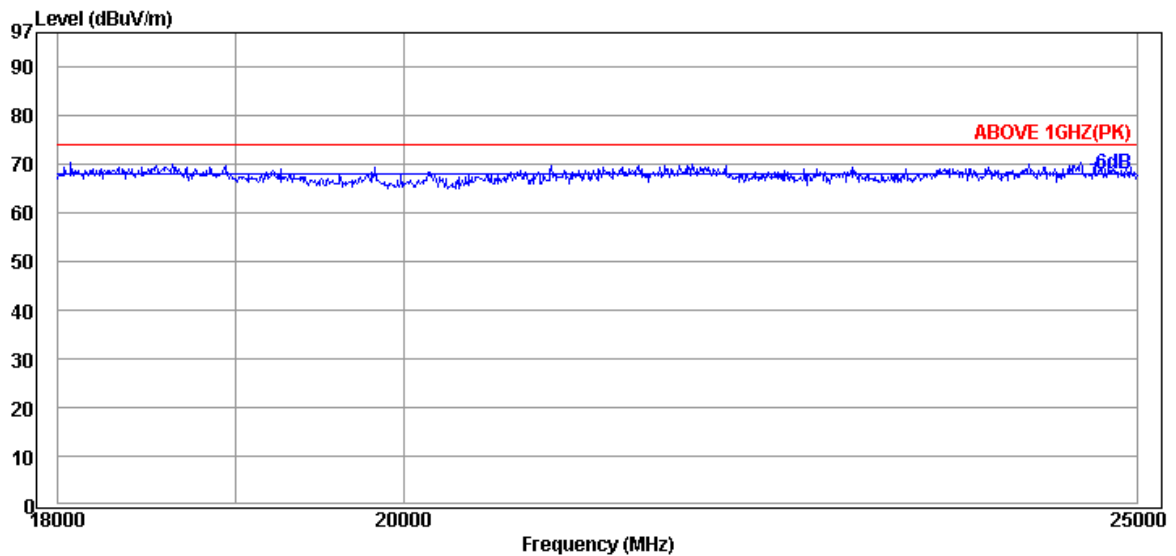
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 4

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2462MHz(802.11g)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

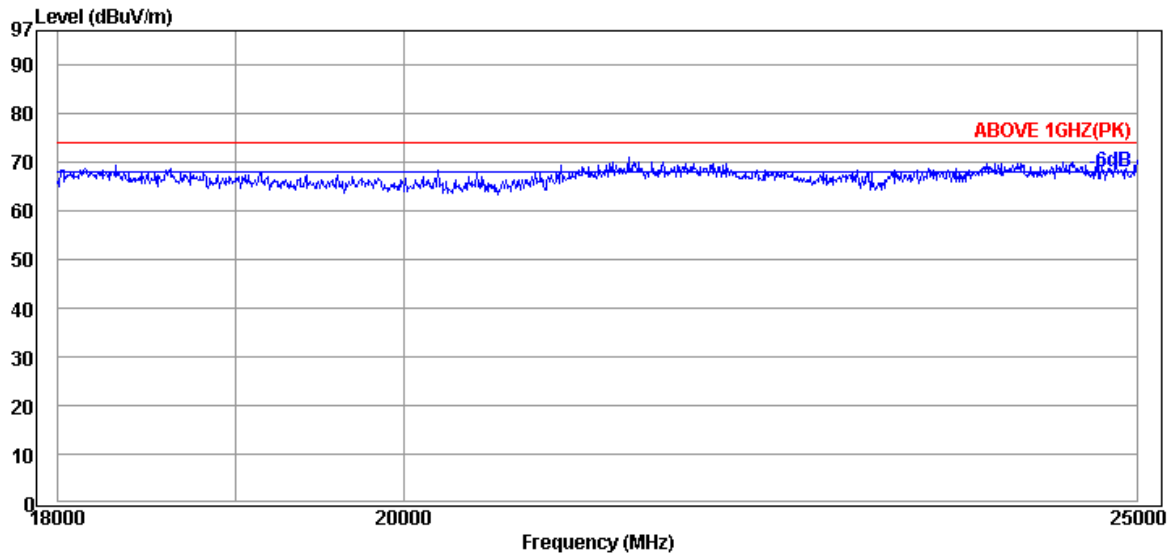
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 5

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)

Ant. Pol. : VERTICAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

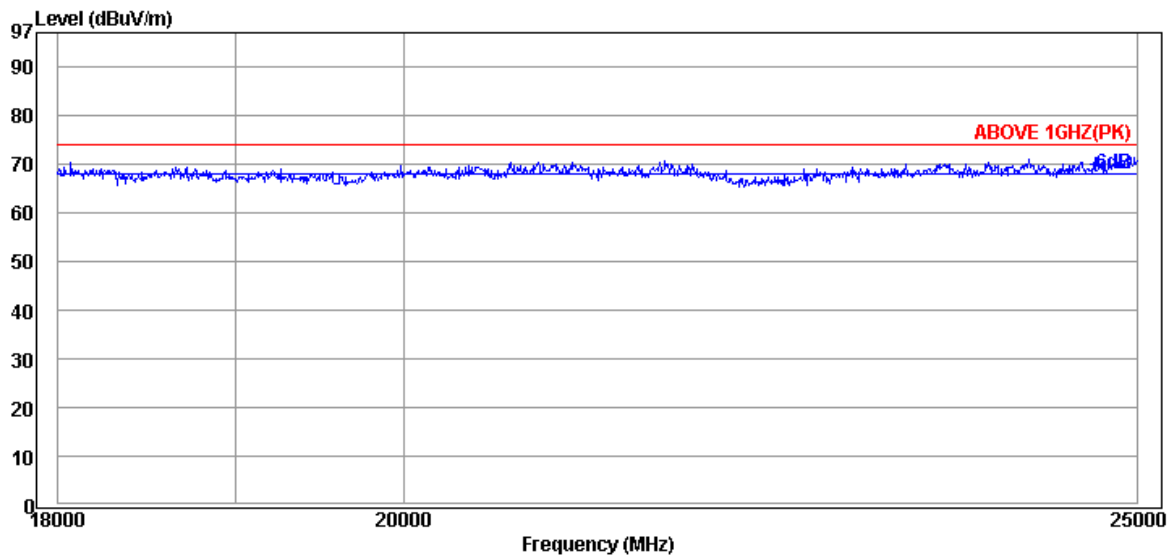
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 6

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)

Ant. Pol. : HORIZONTAL

Limit : ABOVE 1GHZ(PK)

Env. /Ins. : 21°C / 42% N9030A

Engineer : Brian

EUT : Type1DR

Power Rating : DC 3.3V

Memo : Tx 2437MHz(802.11n-HT20)

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

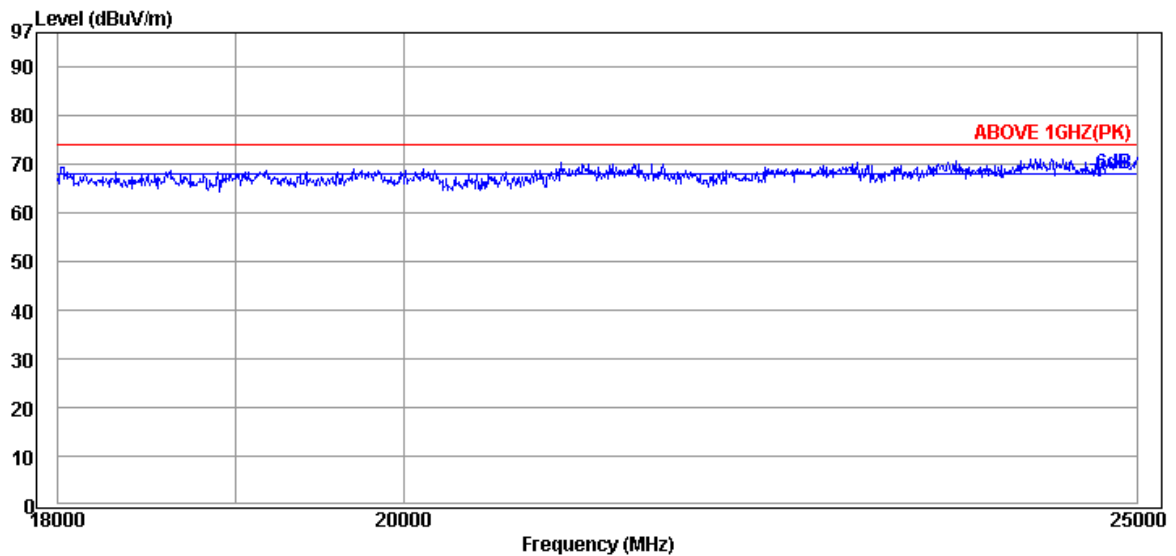
Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.

2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 7

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2402MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

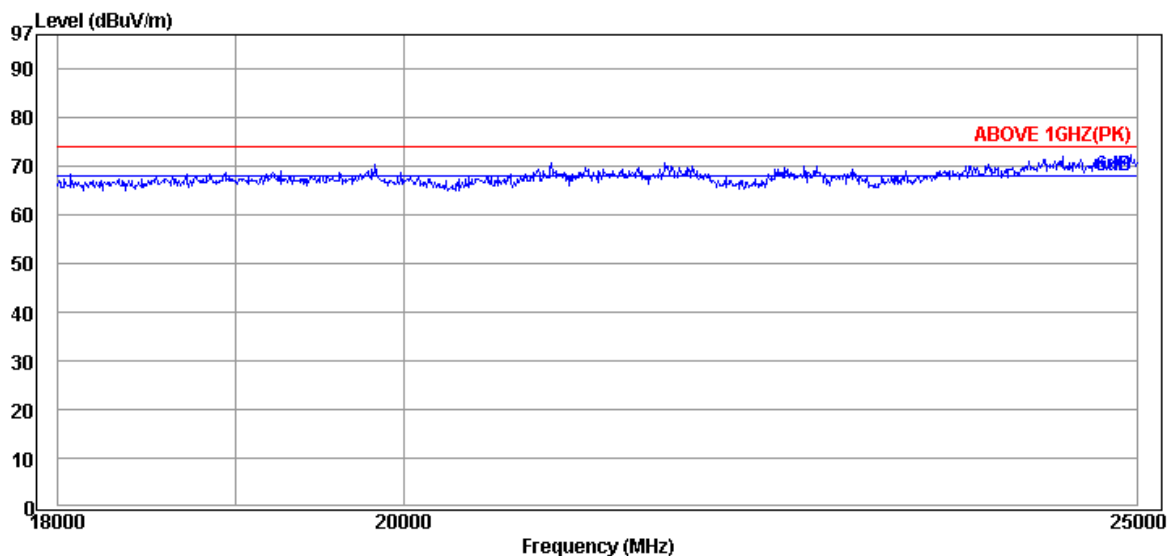
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 8

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 21°C / 42% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2402MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

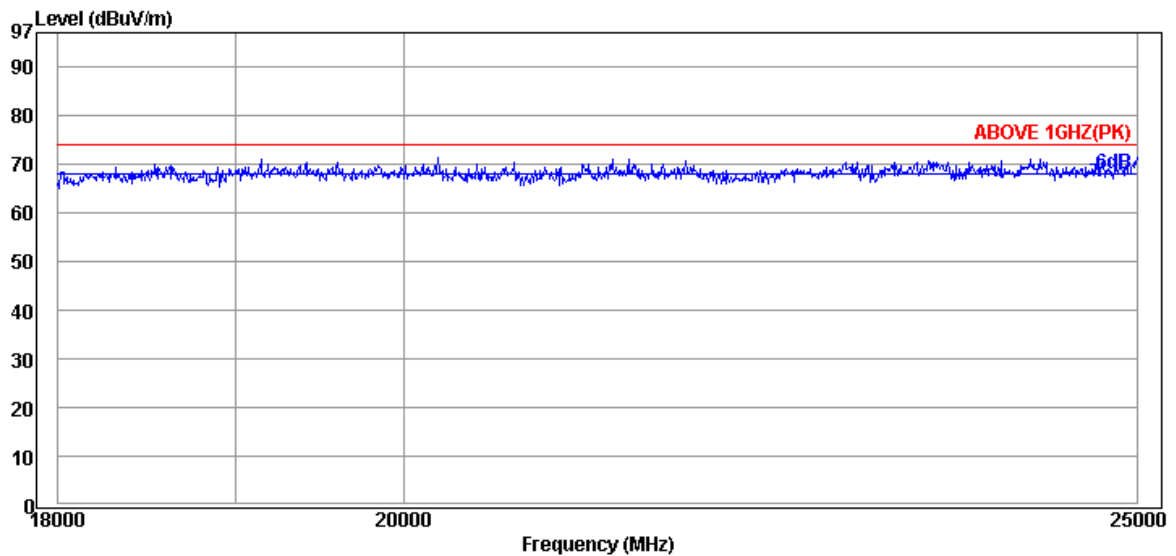
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 9

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2440MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

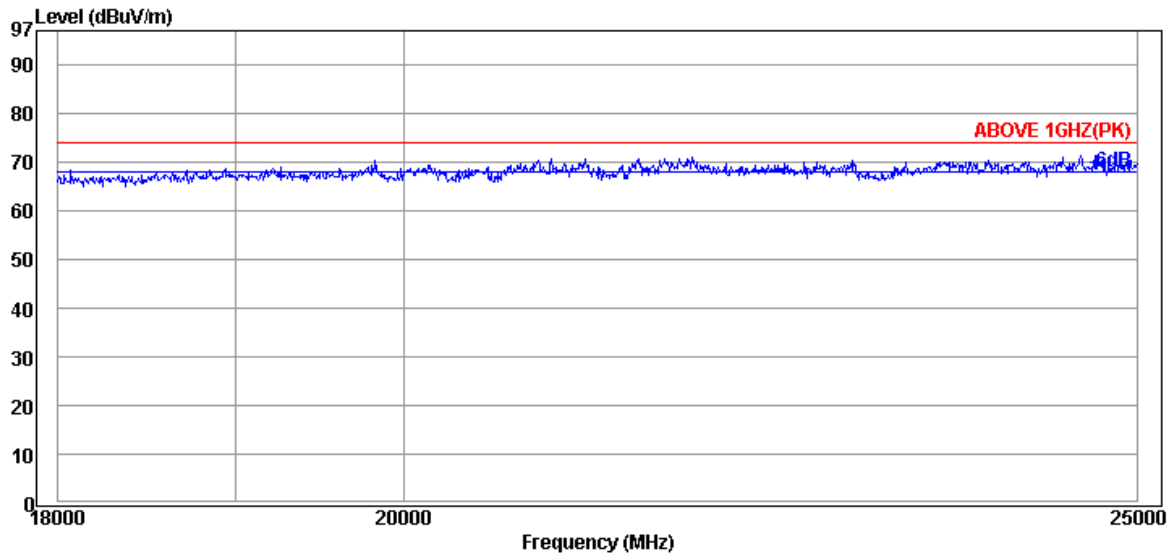
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 10

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 21°C / 42% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Tx 2440MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

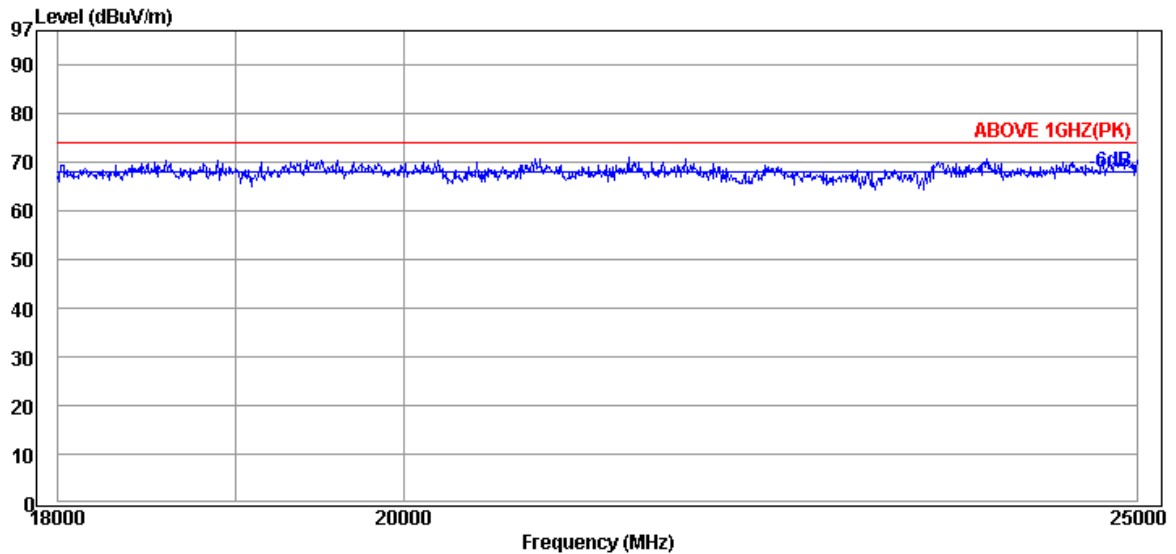
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 11

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2480MHz(BLE)

Ant. Pol. : VERTICAL

Engineer : Brian

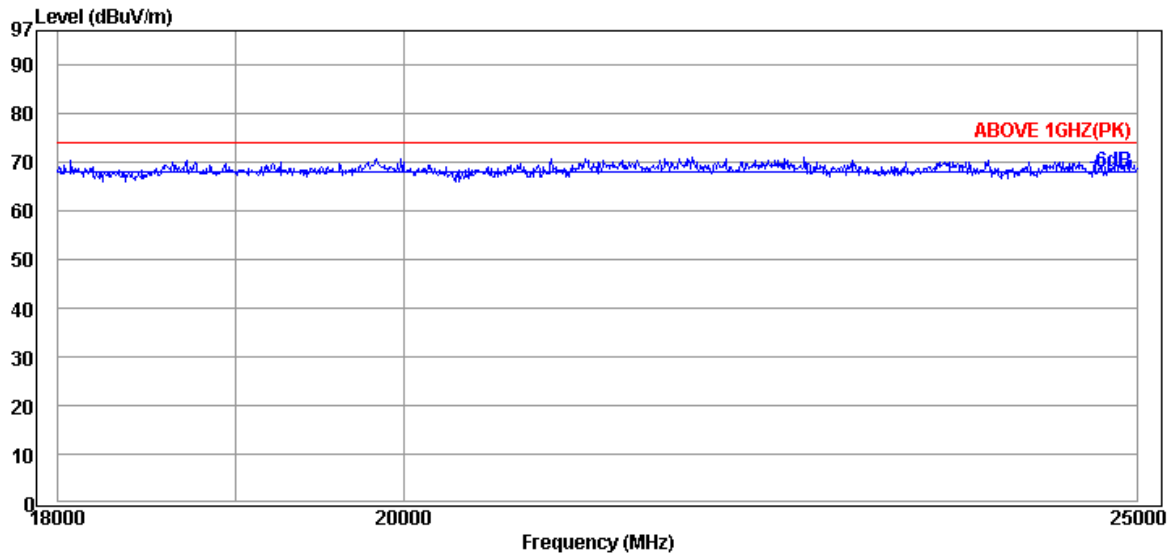
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 12

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Tx 2480MHz(BLE)

Ant. Pol. : HORIZONTAL

Engineer : Brian

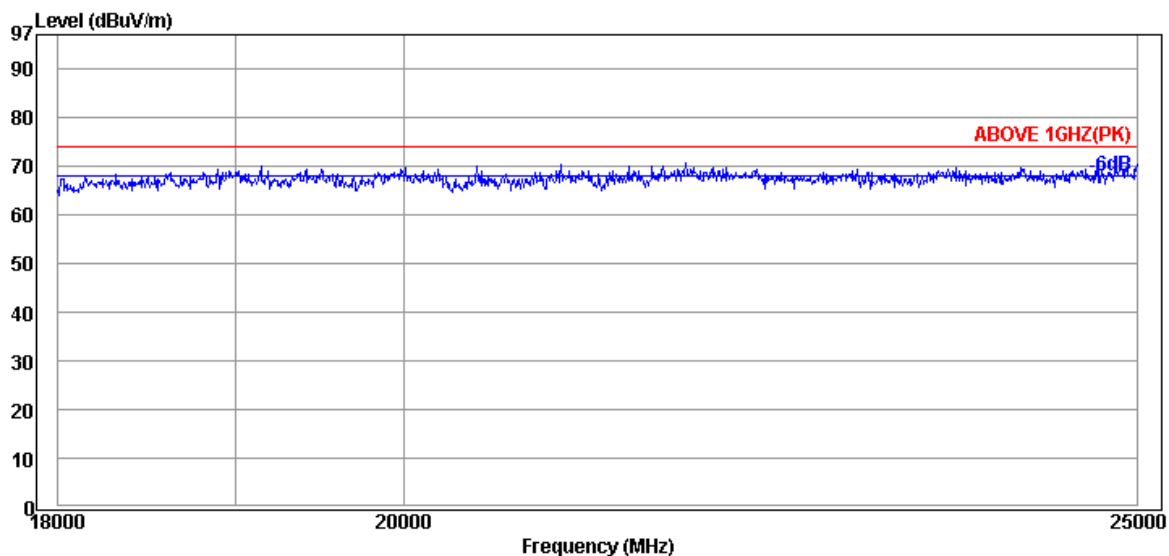
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 13

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2437MHz

Ant. Pol. : VERTICAL

Engineer : Brian

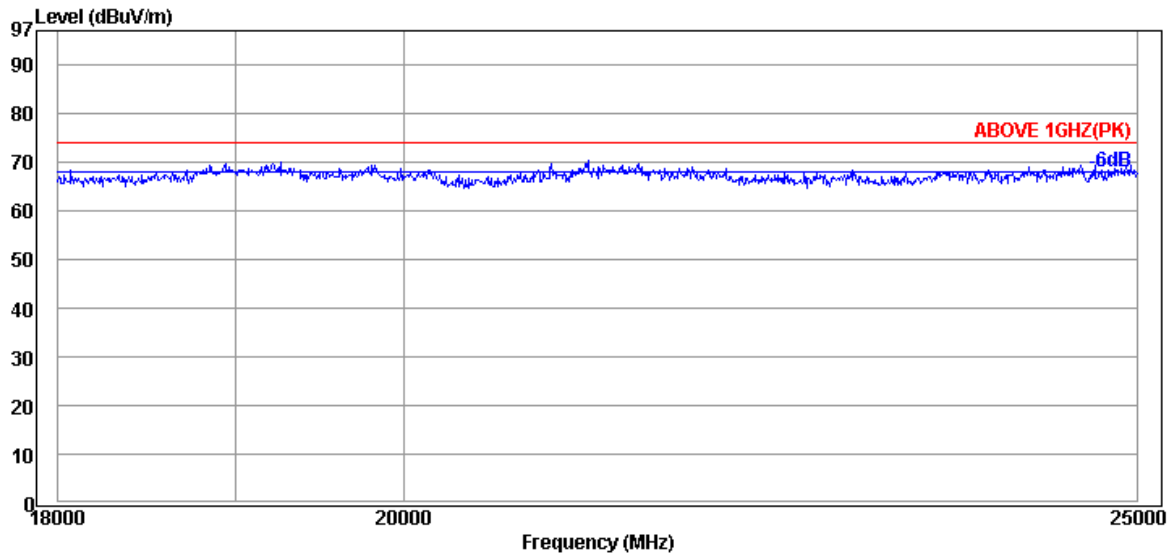
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 14

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
 Limit : ABOVE 1GHZ(PK)
 Env. /Ins. : 21°C / 42% N9030A
 EUT : Type1DR
 Power Rating : DC 3.3V
 Memo : Rx 2437MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

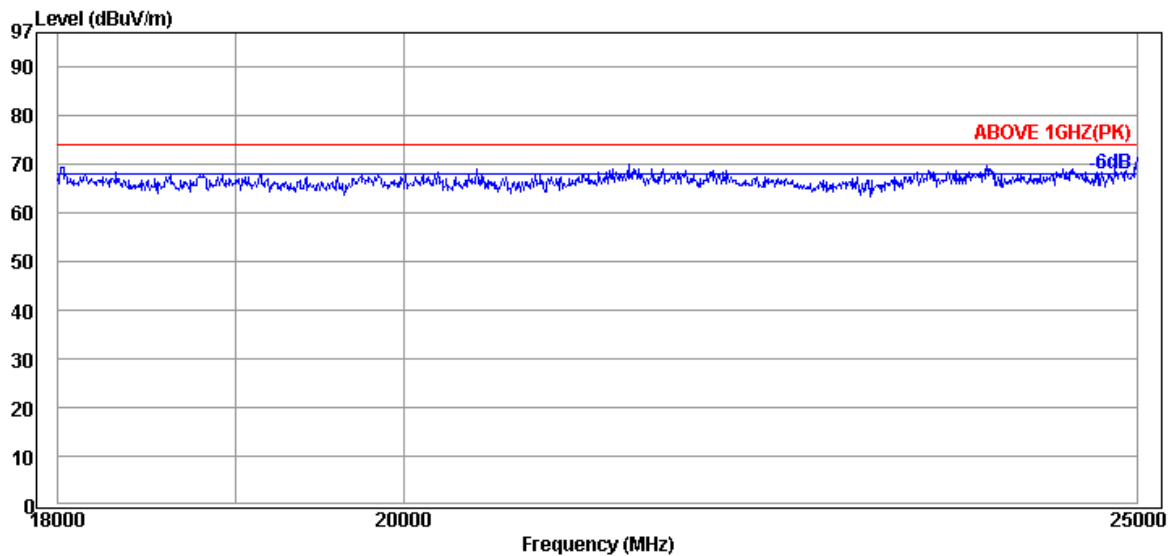
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
 2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 15

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : VERTICAL

Engineer : Brian

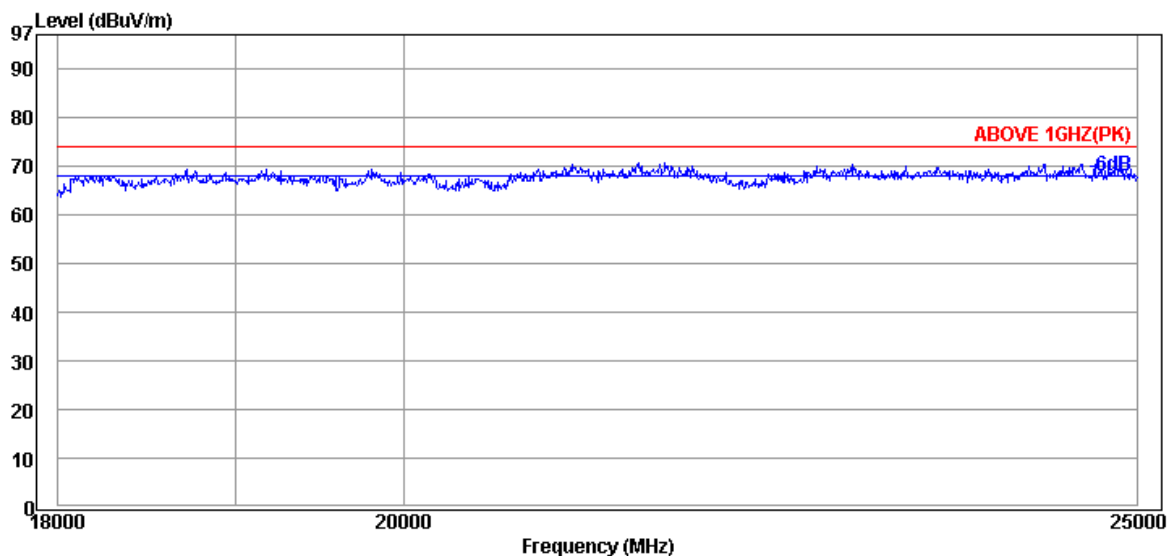
Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dB μ V)	(dB μ V/m)	(dB μ V/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.



Data no. : 16

Test Site: Audix Fully Chamber



Condition : 3m AH-840 (101092)
Limit : ABOVE 1GHZ(PK)
Env. /Ins. : 21°C / 42% N9030A
EUT : Type1DR
Power Rating : DC 3.3V
Memo : Rx 2440MHz

Ant. Pol. : HORIZONTAL

Engineer : Brian

Item	Freq	Antenna Factor	Cable Loss	Read Level	Level	Limit Line	Margin	Detector
(Mark)	(MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	

Remark: 1. Emission Level= Antenna Factor +Cable Loss + Reading.
2. The emissions not reported are 20 dB lower than the specified limit.