



低功率射頻電機測試報告

Part II - 802.11a/n/ac

申請廠商：台灣賓士股份有限公司
地址：臺北市松山區民生東路3段129號13樓
器材名稱：汽車音響
廠牌：Mercedes-Benz
型號：NTG6 HIGH



財團法人台灣電子檢驗中心電磁相容試驗二部

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報告號碼: 18-01-RBF-018-04

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低功率射頻電機測試報告



受理日期 : 107 年 01 月 16 日
完成日期 : 107 年 04 月 30 日
報告號碼 : 18-01-RBF-018-04
實驗室名稱 : 財團法人台灣電子檢驗中心電磁相容試驗二部
實驗室地址 : 新北市林口區頂福里 5 鄰 34 號
實驗室電話 : 02-26023052
認可編號及範圍 : 2628 (9KHz- 40GHz)
認可證書有效期限 : 107 年 10 月 08 日
申請廠商 : 台灣賓士股份有限公司
申請廠商地址 : 臺北市松山區民生東路 3 段 129 號 13 樓
製造廠商 : Harman Becker Automotive System GmbH
器材名稱 : 汽車音響
廠牌 : Mercedes-Benz
型號 : NTG6 HIGH
發射功率(電場強度) : 802.11a (5.180-5.240GHz) :17.93 dBm
802.11n/ac HT-20 (5.180-5.240GHz):20.20 dBm
802.11n/ac HT-40 (5.190-5.230GHz):19.09 dBm
802.11ac HT-80 (5.210GHz):22.61 dBm
802.11a (5.745-5.825GHz) :15.86 dBm
802.11n/ac HT-20 (5.745-5.825GHz): 16.59 dBm
802.11n/ac HT-40 (5.755-5.795GHz): 17.13 dBm
802.11ac HT-80 (5.775GHz):20.30 dBm
工作頻率及調變方式 : 5.180~5.240GHz (OFDM, OFDM-SISO 20M Mode; 4CH、OFDM-SISO 40M Mode; 2CH、OFDM-SISO 80M Mode; 1CH)
5.745~5.825GHz (OFDM, OFDM-SISO 20M Mode; 5CH、OFDM-SISO 40M Mode; 2CH、OFDM-SISO 80M Mode; 1CH)
天線規格 : 廠牌:Hirschmann / 型號:A247 905 83 00 /
Gain: 2.4GHz(3dBi) 、5.7GHz(4.5dBi)

備註 : 1. 本測試報告僅對受測之樣品負責。
2. 非經本中心同意，測試報告不得摘錄複印使用。(全部複製除外)
3. 本產品所適用之規範修訂 107 年 01 月 10 日。

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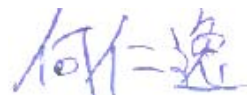
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項次	測試項目	適用規範章節	測試結果	量測設備	判定
1	場強輻射	低功率射頻電機技術規範 4.7.4.5節(5)、2.8節	請參閱4.5節	請參閱4.3節	合格
2	電源線傳導干擾	低功率射頻電機技術規範 2.3節	請參閱5.4節	----	無需實施 此項檢測
3	天線增益之要求	低功率射頻電機技術規範4.5.8 節	請參閱6.2節	----	合格
4	發射頻寬	低功率射頻電機技術規範4.7.5 節	請參閱7.4節	請參閱7.3節	合格
5	輸出功率	低功率射頻電機技術規範 4.7.3.1節、4.7.3.2節	請參閱8.4節	請參閱8.3節	合格
6	不必要發射	低功率射頻電機技術規範 4.7.4.1節、4.7.4.2節	請參閱9.4節	請參閱9.3節	合格
7	功率密度	低功率射頻電機技術規範 4.7.3.1節、4.7.3.2節、4.7.3.3 節	請參閱10.4節	請參閱10.3節	合格
	以下空白				

報告簽署人：



量測員：




1 一般資料

1.1 產品描述

- a) 產品型態 : 汽車音響
- b) 商標 : Mercedes-Benz
- c) 產品型號 : NTG6 HIGH
- d) 供應電源 : DC12V Battery

1.2 產品特性

此裝置為汽車音響，內含IEEE 802.11a /n/ac無線功能，使用頻率範圍為5150-5250MHz, 5725-5850MHz，採用OFDM (Orthogonal Frequency Division Multiplexing) 正交分頻多工調變技術。

使用頻道數：

5.2GHz頻帶(802.11a/n/ac)：802.11a、802.11n/ac 20M為4個頻道(5180-5240MHz)，802.11n/ac 40M為2個頻道(5190MHz-5230MHz)，802.11ac 80M為1個頻道(5210MHz)。

5.8GHz頻帶(802.11a/n/ac)：802.11a、802.11n 20M為5個頻道(5745-5825MHz)，802.11n/ac 40M為2個頻道(5755MHz-5795MHz)，802.11ac 80M為1個頻道(5775MHz)。

實測輸出功率如下：

802.11a (5.180-5.240GHz)	:17.93 dBm (62.086mW)
802.11n/ac HT-20 (5.180-5.240GHz)	:20.20 dBm (104.729mW)
802.11n/ac HT-40 (5.190-5.230GHz)	:19.09 dBm (81.102mW)
802.11ac HT-80 (5.210GHz)	:22.61 dBm (182.414mW)
802.11a (5.745-5.825GHz)	:15.86 dBm (38.547mW)
802.11n/ac HT-20 (5.745-5.825GHz)	: 16.59 dBm (45.607mW)
802.11n/ac HT-40 (5.755-5.795GHz)	: 17.13 dBm (51.645mW)
802.11ac HT-80 (5.775GHz)	:20.30 dBm (107.036mW)

各頻道對應之頻率如下：

5.2GHz頻帶：

802.11a、802.11n/ac 20M頻道如下：

頻道	對應頻率(MHz)
01	5180
02	5200
03	5220
04	5240

802.11n/ac 40M頻道如下：

頻道	對應頻率(MHz)
01	5190
02	5230

802.11ac 80M頻道如下：

頻道	對應頻率(MHz)
01	5210

5.8GHz頻道如下:**802.11a、802.11n/ac 20M頻道如下:**

頻道	對應頻率(MHz)	頻道	對應頻率(MHz)
01	5745	04	5805
02	5765	05	5825
03	5785		

802.11n/ac 40M頻道如下:

頻道	對應頻率(MHz)
01	5755
02	5795

802.11ac 80M頻道如下:

頻道	對應頻率(MHz)
01	5775

1.3 測試方法之依據

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

2 適用規範

2.1 規範要求

(1) 傳導之規定

依據低功率射頻電機技術規範4.7.4.5節之要求，任何使用市電為供應電源之設備亦須符合2.3 之電源線傳導限制值：

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

註：隨頻率之對數遞減。

(2) 輻射之規定

依據低功率射頻電機技術規範4.7.4.5節之要求，在1 GHz 以下不必要之發射，應符合2.8 之規定：

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

(3) 天線增益之要求

依據低功率射頻電機技術規範4.7.8節之規定，天線之規格不受2.2 規定之限制。

依據低功率射頻電機技術規範4.7.3.1節(1)(C)、4.7.3.1節(2)(C)、4.7.3.1節(4)(C)及4.7.3.2節(3)之規定，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

依據低功率射頻電機技術規範4.7.3.1節(3)(C)之規定，使用超過23 dBi方向增益之指向性天線時，應依超過23 dBi天線方向增益的dBi總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

依據低功率射頻電機技術規範4.7.3.3節之規定：

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

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

(4) 頻寬之要求

依據低功率射頻電機技術規範4.7.5節之規定，在5.725 GHz～5.850 GHz 頻段操作之設備，其6 dB頻寬至少應有500 kHz。

(5) 輸出功率之要求

依據低功率射頻電機技術規範4.7.3.1節(1)(A)、4.7.3.1節(2)(A)、4.7.3.1節(3)(A)及4.7.3.3節(1)之規定，最大傳導輸出功率應小於或等於1 W。

依據低功率射頻電機技術規範4.7.3.1節(4)(A)之規定，最大傳導輸出功率應小於或等於250 mW。

依據低功率射頻電機技術規範4.7.3.2節(1)之規定，最大傳導輸出功率應小於或等於250 mW或 $11\text{dBm} + 10\log B$ (B是26 dB發射頻寬，單位MHz)之較小者。

(6) 功率密度之要求

依據低功率射頻電機技術規範4.7.3.1節(1)(B)、4.7.3.1節(2)(B)及4.7.3.1節(3)(B)之規定，在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

依據低功率射頻電機技術規範4.7.3.1節(4)(B) 及4.7.3.2節(2)之規定，在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

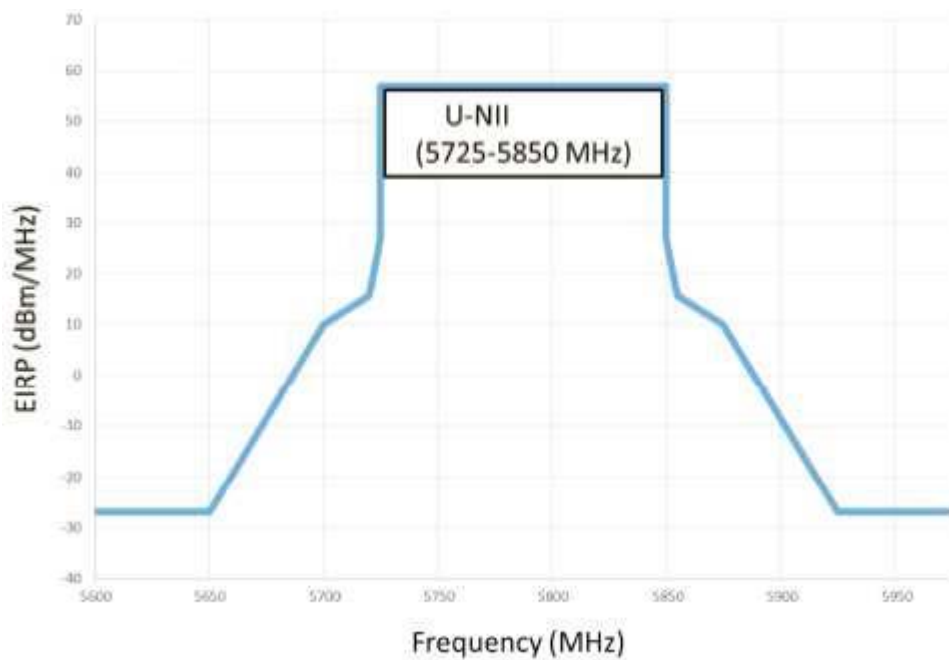
依據低功率射頻電機技術規範4.7.3.3節(2)之規定，在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

(7) 不必要發射之要求

依據低功率射頻電機技術規範4.7.4節之規定，不必要發射之限制值：在操作頻帶外的峰值發射應衰減至符合下列限制值：

4.7.4.1 在5.15 GHz~5.35 GHz 及5.470 GHz~5.725 GHz 頻段操作的發射器：帶外發射之有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。

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



2.2 限制使用之頻帶

頻率(MHz)	頻率(MHz)
0.090~0.110	1660.0~1785.0
0.490~0.510	1805.0~1880.0
2.172~2.198	1885.0~1900.0
3.013~3.033	1905.0~1985.0
4.115~4.198	2010.0~2025.0
5.670~5.690	2110.0~2170.0
6.200~6.300	2200.0~2300.0
8.230~8.400	2310.0~2390.0
12.265~12.600	2483.5~2900.0
13.340~13.430	3260.0~3267.0
14.965~15.020	3332.0~3339.0
16.700~16.755	3345.8~3358.0
19.965~20.020	3500.0~4400.0
25.500~25.700	4500.0~5250.0
37.475~38.275	5350.0~5460.0
73.500~75.400	7250.0~7750.0
108.00~138.00	8025.0~8500.0
149.90~150.05	9000.0~9200.0
156.70~156.90	9300.0~9500.0
162.01~167.17	10600~12700
167.72~173.20	13250~13400
240.00~285.00	14470~14500
322.00~335.40	15350~16200
399.90~410.00	17700~21400
485.00~510.00	22010~23120
608.00~614.00	23600~24000
703.00~748.00	31200~31800
758.00~803.00	36430~36500
825.00~915.00	38600 以上
930.00~1240.0	
1300.0~1427.0	
1435.0~1626.5	

3 受測裝置之系統說明

裝置名稱	製造者/代理者	型 號	纜線說明
汽車音響*	Harman Becker Automotive System GmbH/ 台灣賓士股份有限公司	NTG6 HIGH	----

標記“*”表欲申請之受測物。

4 場強輻射之量測

4.1 適用標準

依據低功率射頻電機技術規範4.7.4.5節之要求，在1 GHz 以下不必要之發射，應符合2.8 之規定

4.2 量測方法

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

4.3 量測場強輻射之儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
EMI Test Receiver	Rohde & Schwarz	ESU 40	2017/11/15	2018/11/14
Bi-Log Antenna	ETC	MCTD 2786	2017/08/10	2018/08/09
Horn Antenna	EMCO	3115	2017/10/11	2018/10/10
Horn Antenna	EMCO	3116	2017/10/11	2018/10/10
Amplifier	HP	8447D	2017/12/08	2018/12/07
Amplifier	HP	83051A	2017/08/25	2018/08/24

4.4 場強度之計算

場強之計算公式如下

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

其中校正因數為：

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

4.5 場強輻射之量測結果

4.5.1 發射諧波及本地震盪

A. 802.11a Band 1

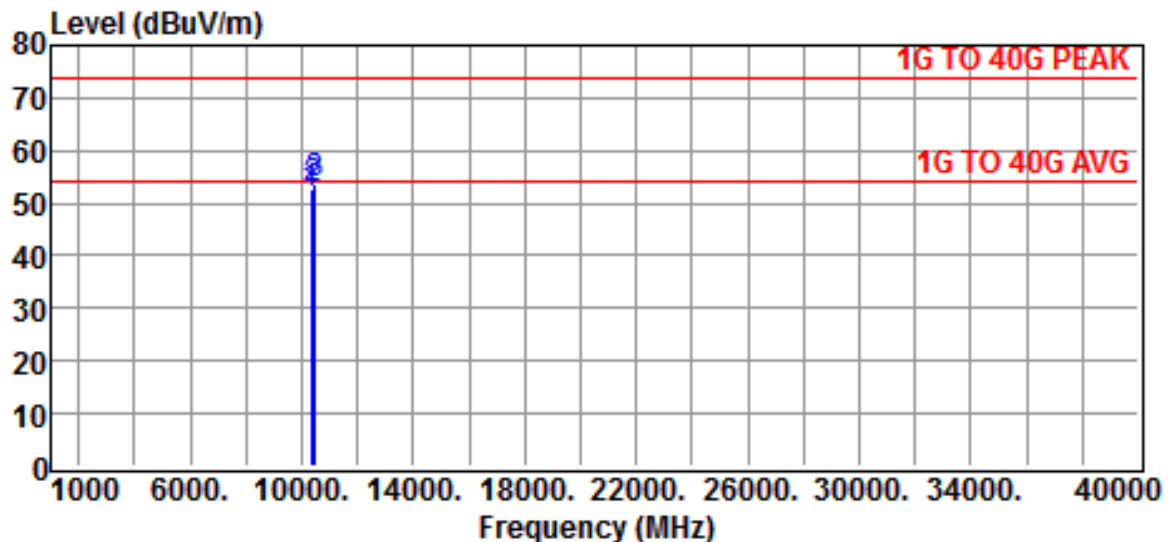
操作模式 : 發射接收

基本波頻率 : LO:5180MHz ,MI:5200MHz ,HI:5240MHz

(Local Frequency : LO:5180MHz ,MI:5200MHz ,HI:5240MHz)

測試結果 : 合格

測試者 : 何仁逸

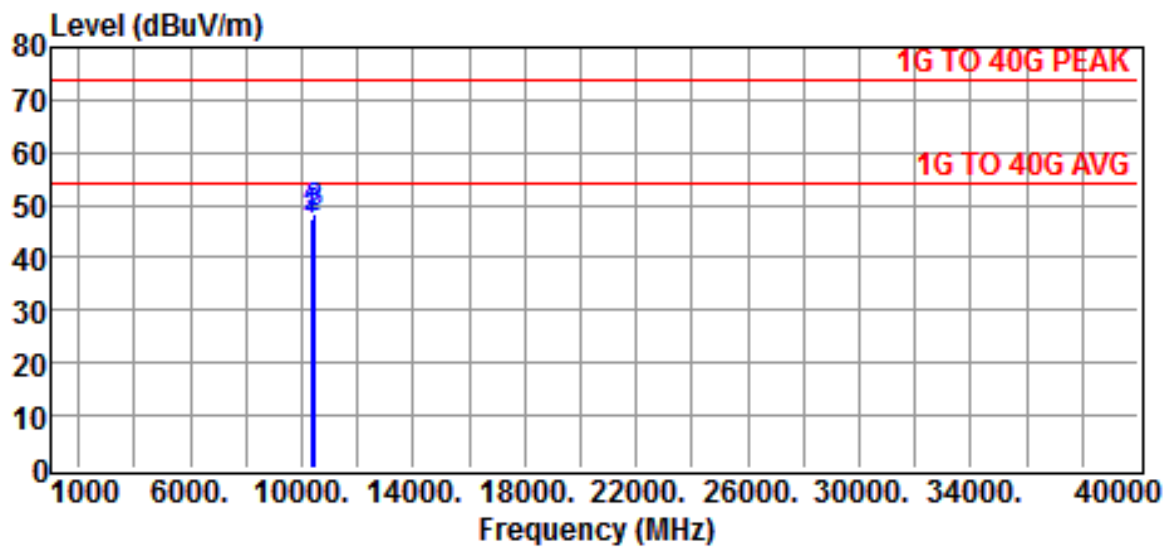


Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH Power
Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-A20-B1		
Test Mode	:Ant 0		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
10360.0000	41.99	9.55	51.54	74.00	-22.46	Peak
10400.0000	43.05	9.61	52.66	74.00	-21.34	Peak
10480.0000	43.92	9.70	53.62	74.00	-20.38	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-A20-B1		
Test Mode	:Ant 0		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
10360.0000	37.46	9.55	47.01	74.00	-26.99	Peak
10400.0000	37.81	9.61	47.42	74.00	-26.58	Peak
10480.0000	38.52	9.70	48.22	74.00	-25.78	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

B. 802.11a Band 4

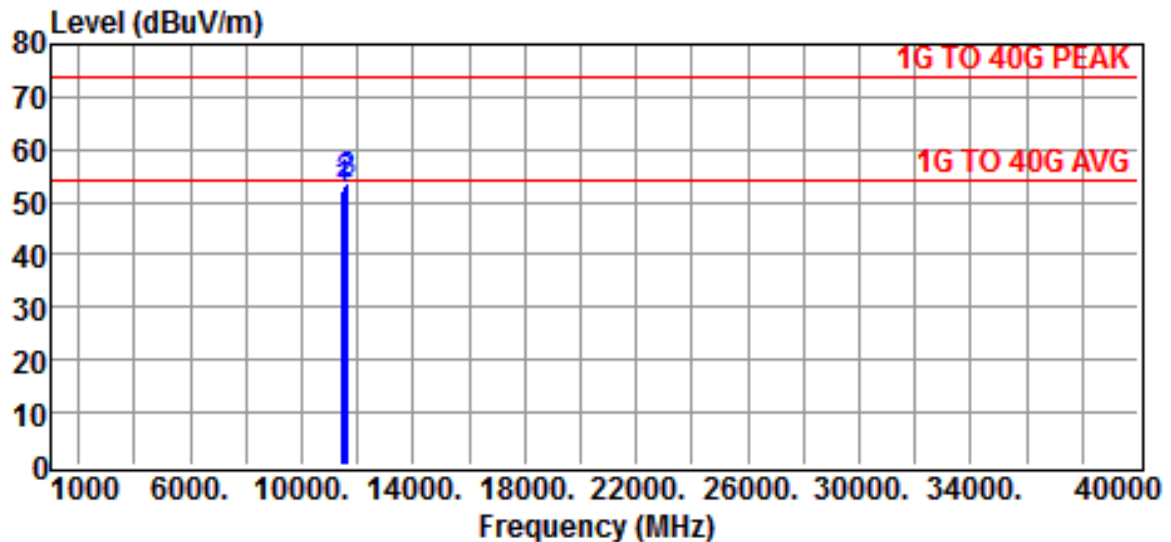
操作模式 : 發射接收

基本波頻率 : LO:5745MHz ,MI:5785MHz ,HI:5825MHz

(Local Frequency : LO:5745MHz ,MI:5785MHz ,HI:5825MHz)

測試結果 : 合格

測試者 : 何仁逸

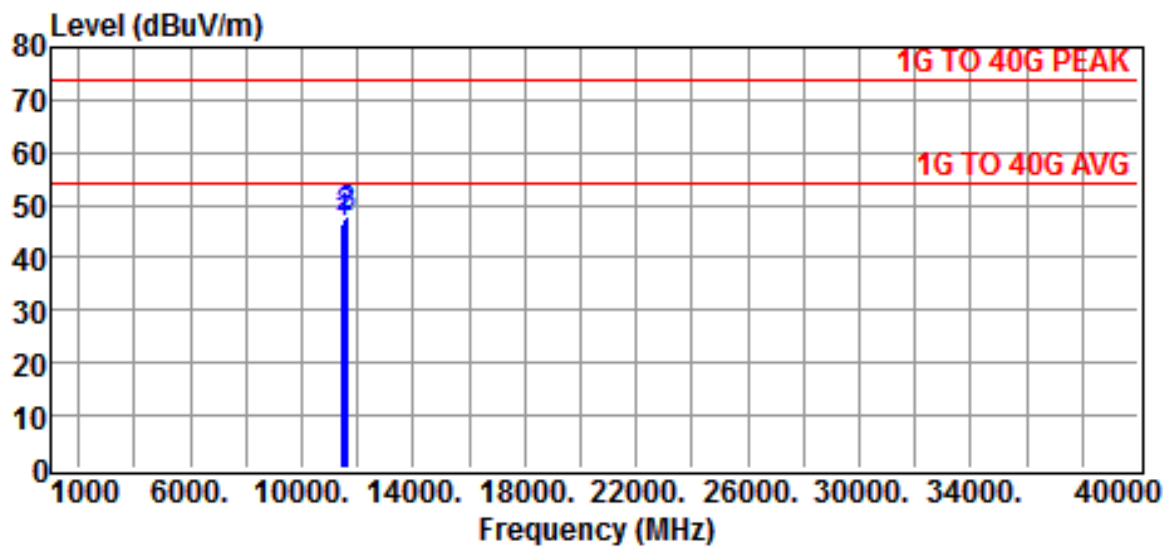


Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-A20-B4		
Test Mode	:Ant 0		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11490.0000	41.13	11.06	52.19	74.00	-21.81	Peak
11570.0000	42.08	11.09	53.17	74.00	-20.83	Peak
11650.0000	42.74	11.10	53.84	74.00	-20.16	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-A20-B4		
Test Mode	:Ant 0		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11490.0000	35.27	11.06	46.33	74.00	-27.67	Peak
11570.0000	36.34	11.09	47.43	74.00	-26.57	Peak
11650.0000	36.98	11.10	48.08	74.00	-25.92	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

C. 802.11n(HT-20) Band 1 Ant 1

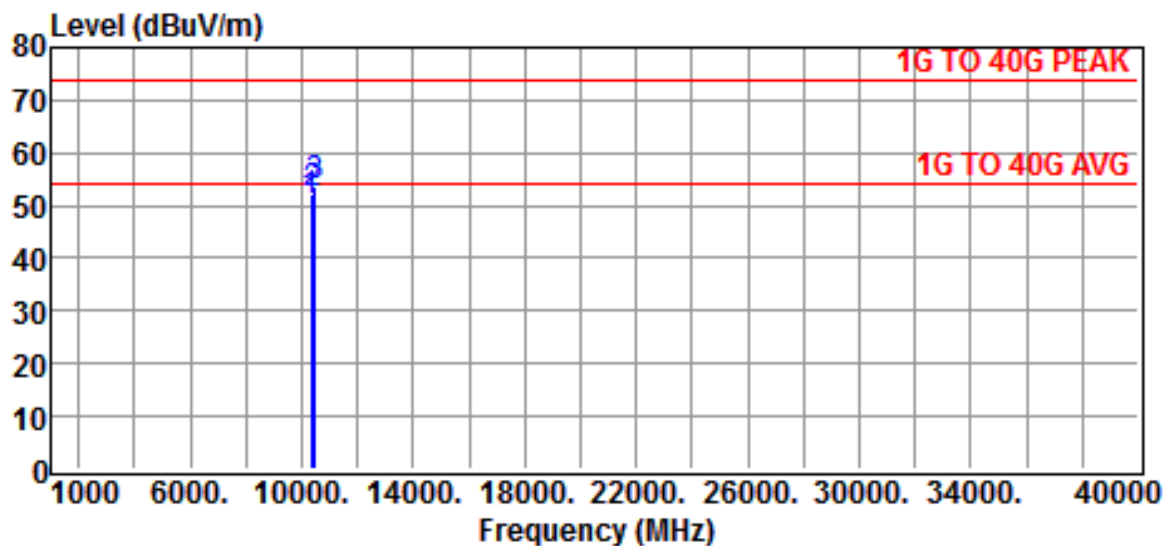
操作模式 : 發射接收

基本波頻率 : LO:5180MHz ,MI:5200MHz ,HI:5240MHz

(Local Frequency : LO:5180MHz ,MI:5200MHz ,HI:5240MHz)

測試結果 : 合格

測試者 : 何仁逸

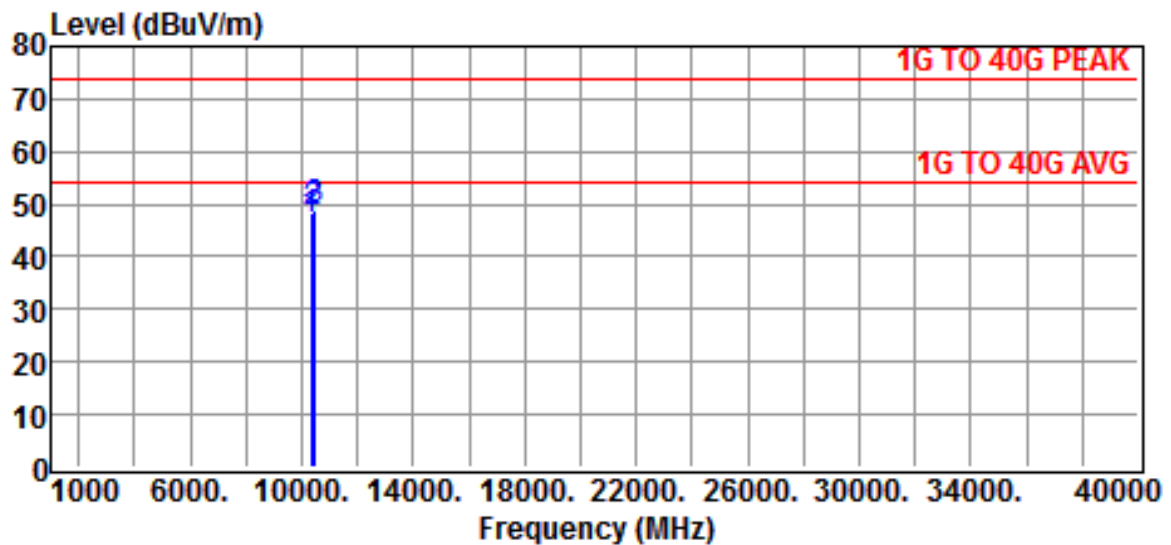


Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B1		
Test Mode	:Ant 1		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
10360.0000	41.45	9.55	51.00	74.00	-23.00	Peak
10400.0000	42.84	9.61	52.45	74.00	-21.55	Peak
10480.0000	43.94	9.70	53.64	74.00	-20.36	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B1		
Test Mode	:Ant 1		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
10360.0000	37.61	9.55	47.16	74.00	-26.84	Peak
10400.0000	38.60	9.61	48.21	74.00	-25.79	Peak
10480.0000	39.22	9.70	48.92	74.00	-25.08	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

D. 802.11n(HT-20) Band 4 Ant 1

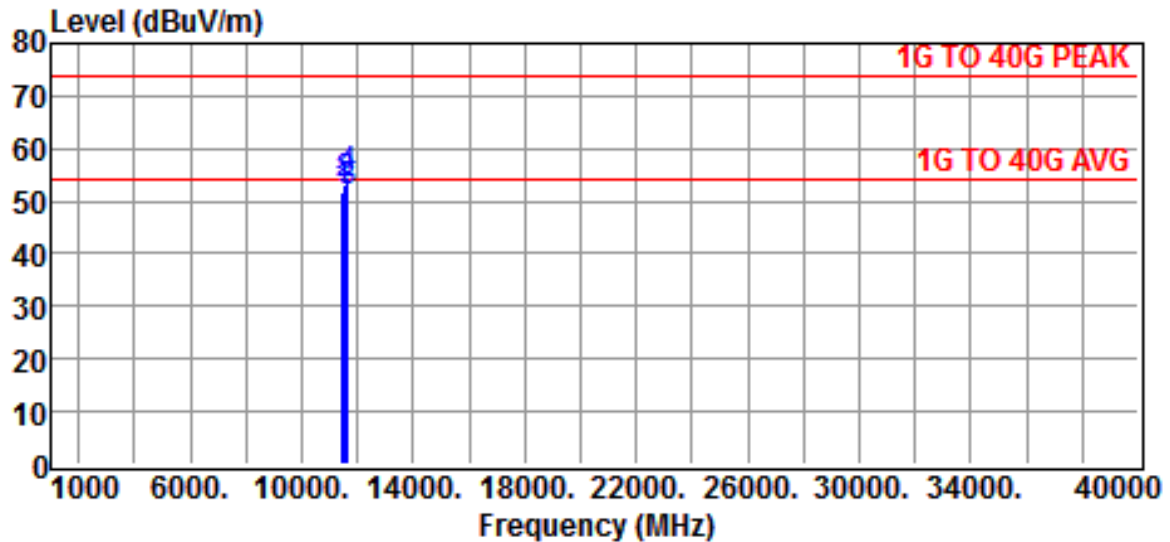
操作模式 : 發射接收

基本波頻率 : LO:5745MHz ,MI:5785MHz ,HI:5825MHz

(Local Frequency : LO:5745MHz ,MI:5785MHz ,HI:5825MHz)

測試結果 : 合格

測試者 : 何仁逸

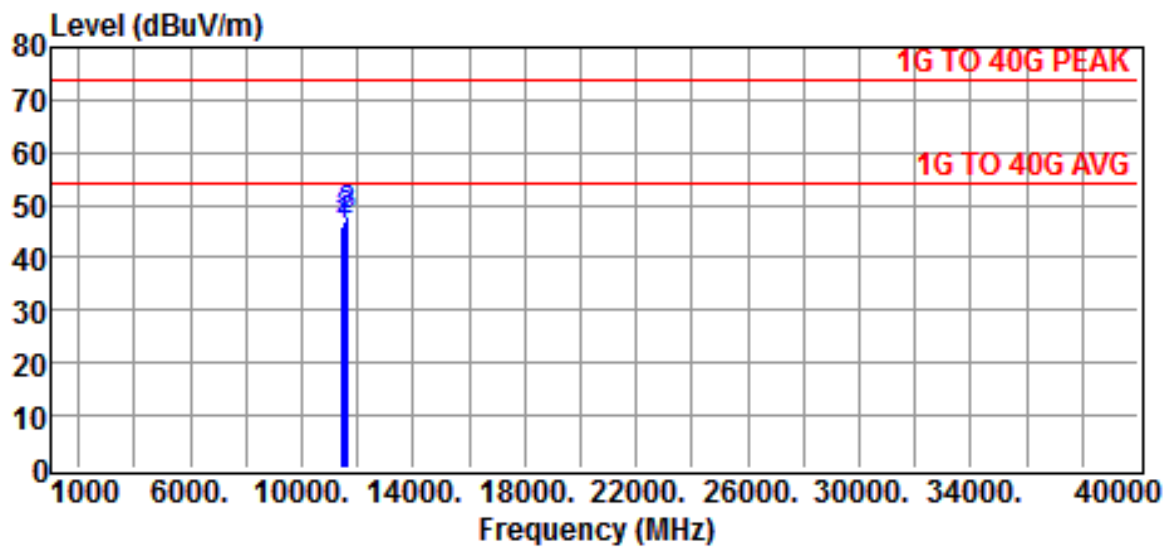


Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B4		
Test Mode	:Ant 1		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11490.0000	40.57	11.06	51.63	74.00	-22.37	Peak
11570.0000	41.96	11.09	53.05	74.00	-20.95	Peak
11650.0000	40.55	11.10	51.65	54.00	-2.35	Average
11650.0000	43.34	11.10	54.44	74.00	-19.56	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B4		
Test Mode	:Ant 1		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11490.0000	34.71	11.06	45.77	74.00	-28.23	Peak
11570.0000	35.73	11.09	46.82	74.00	-27.18	Peak
11650.0000	36.76	11.10	47.86	74.00	-26.14	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

E. 802.11n(HT-40) Band 1 ANT 2

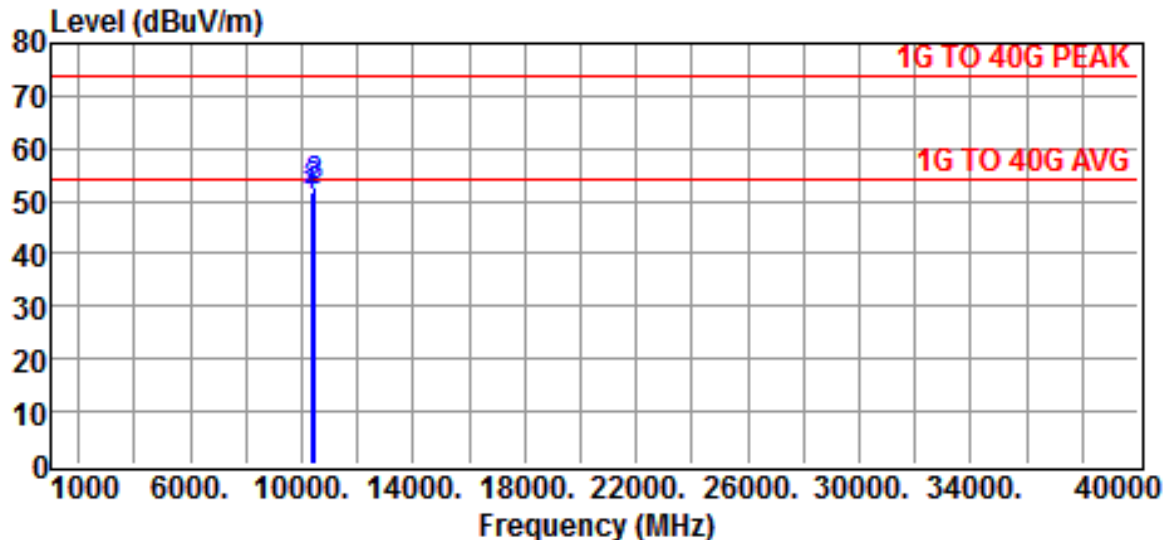
操作模式 : 發射接收

基本波頻率 : LO:5180MHz ,MI:5200MHz ,HI:5240MHz

(Local Frequency : LO:5180MHz ,MI:5200MHz ,HI:5240MHz)

測試結果 : 合格

測試者 : 何仁逸

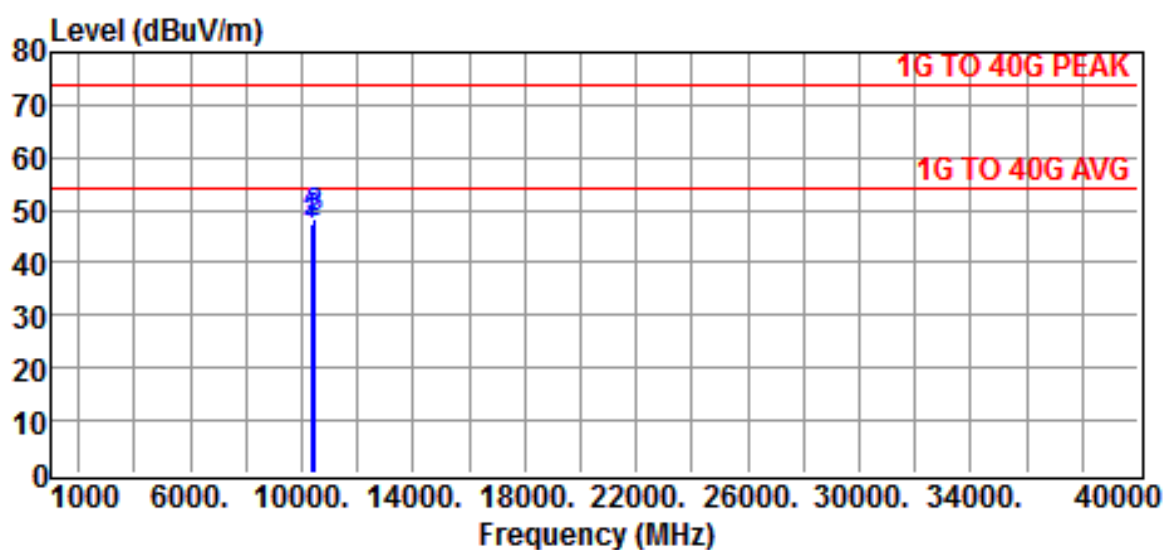


Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B1		
Test Mode	:Ant 2		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
10360.0000	41.26	9.55	50.81	74.00	-23.19	Peak
10400.0000	42.04	9.61	51.65	74.00	-22.35	Peak
10480.0000	43.08	9.70	52.78	74.00	-21.22	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B1		
Test Mode	:Ant 2		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
10360.0000	37.35	9.55	46.90	74.00	-27.10	Peak
10400.0000	37.73	9.61	47.34	74.00	-26.66	Peak
10480.0000	38.70	9.70	48.40	74.00	-25.60	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

F. 802.11n(HT-40) Band 4 ANT 2

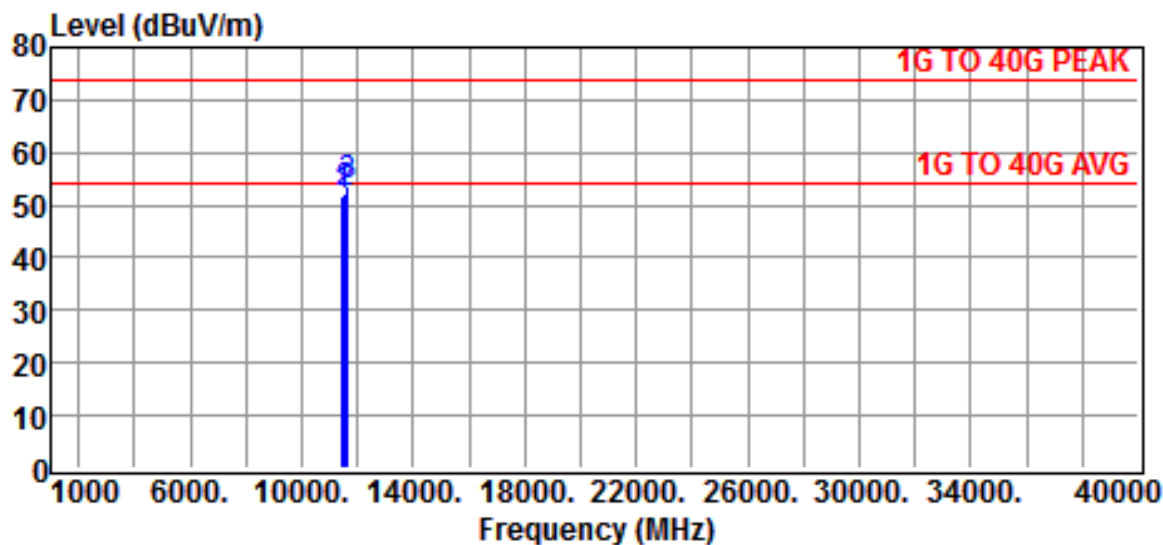
操作模式 : 發射接收

基本波頻率 : LO:5745MHz ,MI:5785MHz ,HI:5825MHz

(Local Frequency : LO:5745MHz ,MI:5785MHz ,HI:5825MHz)

測試結果 : 合格

測試者 : 何仁逸

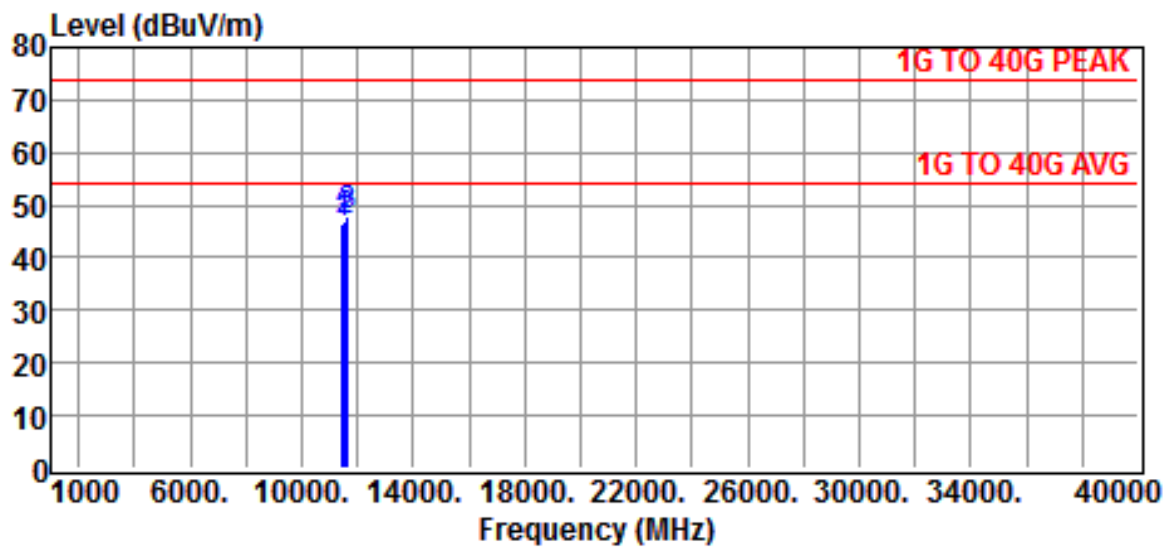


Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B4		
Test Mode	:Ant 2		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11490.0000	40.78	11.06	51.84	74.00	-22.16	Peak
11570.0000	41.35	11.09	52.44	74.00	-21.56	Peak
11650.0000	42.42	11.10	53.52	74.00	-20.48	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-03-31
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:25 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi-5G-N/AC20-B4		
Test Mode	:Ant 2		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11490.0000	35.32	11.06	46.38	74.00	-27.62	Peak
11570.0000	36.04	11.09	47.13	74.00	-26.87	Peak
11650.0000	36.79	11.10	47.89	74.00	-26.11	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1GHz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

G. 802.11n(HT-40) Band 1 ANT 1

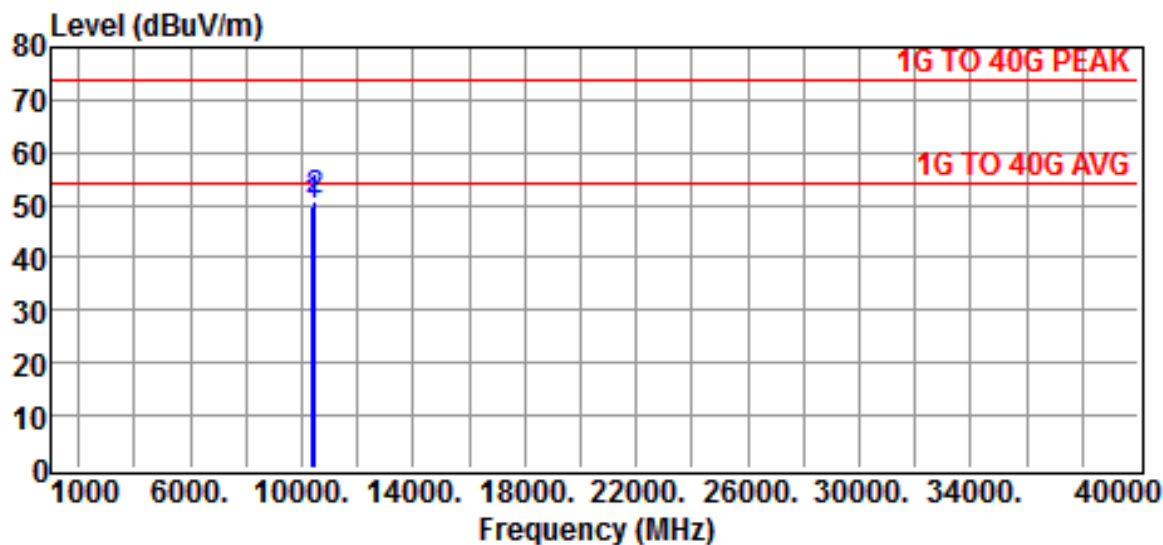
操作模式 : 發射接收

基本波頻率 : LO:5190MHz ,HI:5230MHz

(Local Frequency : LO:5190MHz ,HI:5230MHz)

測試結果 : 合格

測試者 : 何仁逸

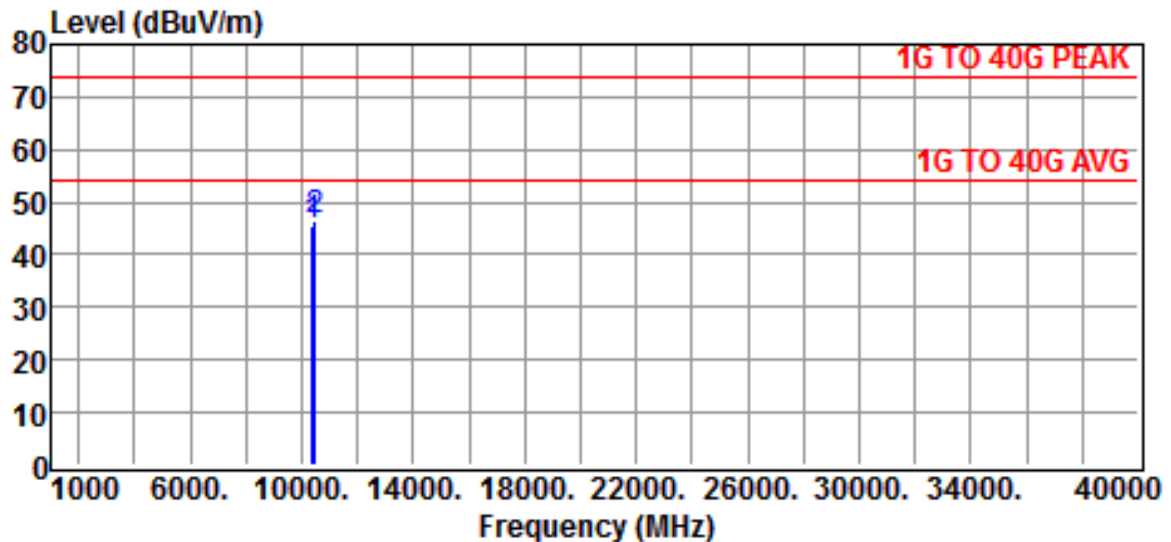


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B1		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10380.0000	40.24	9.57	49.81	74.00	-24.19	Peak
10460.0000	41.16	9.68	50.84	74.00	-23.16	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B1		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10380.0000	36.12	9.57	45.69	74.00	-28.31	Peak
10460.0000	36.63	9.68	46.31	74.00	-27.69	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

F. 802.11ac-40 Band 4 ANT 1

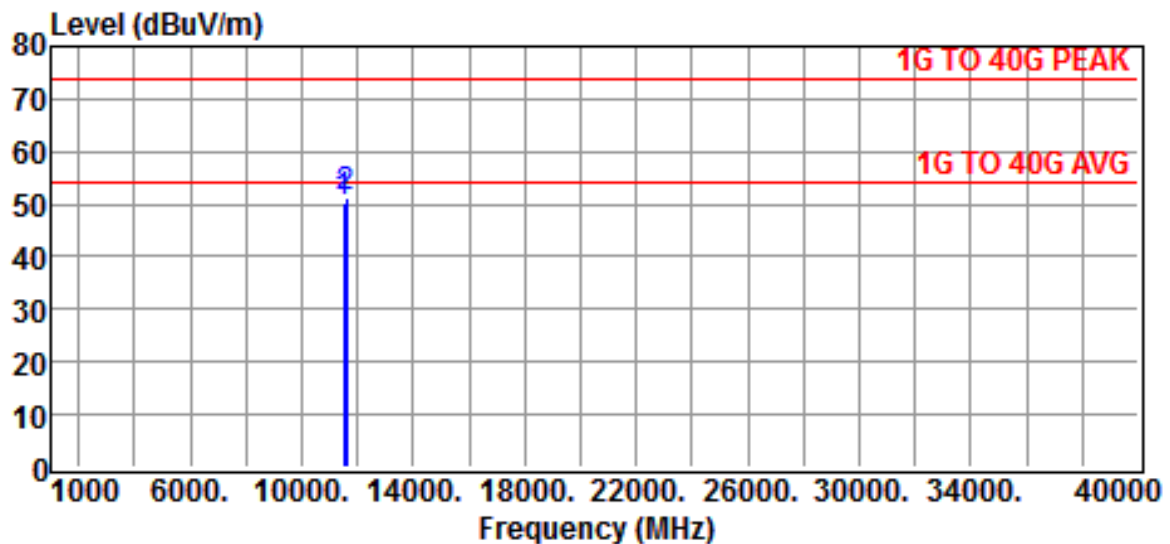
操作模式 : 發射接收

基本波頻率 : LO:5755MHz ,HI:5795MHz

(Local Frequency : LO:5755MHz ,HI:5795MHz)

測試結果 : 合格

測試者 : 何仁逸

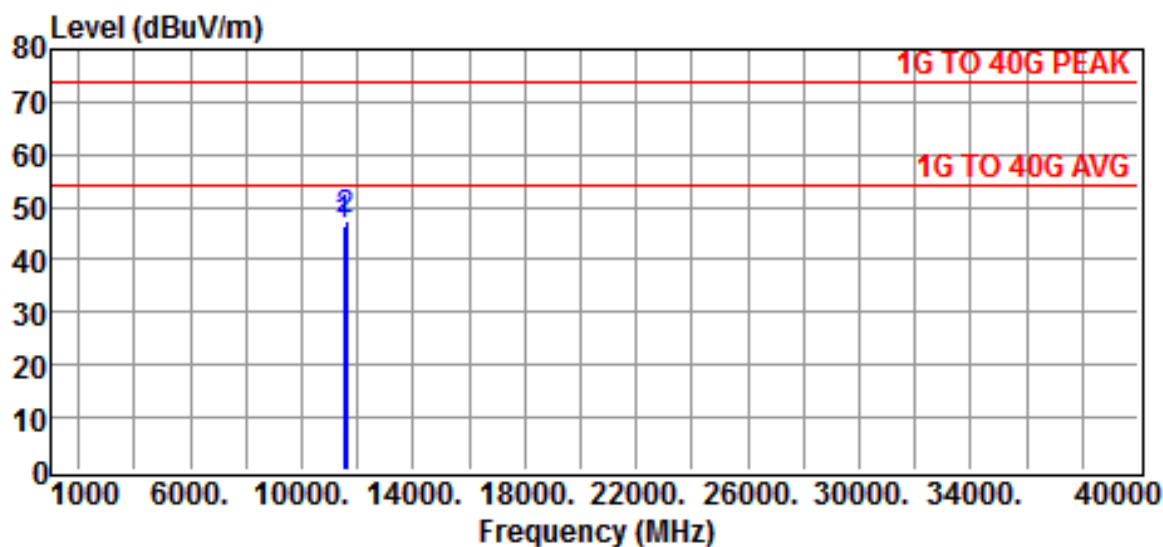


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B4		
Test Mode	:Ant 1		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11510.0000	39.06	11.07	50.13	74.00	-23.87	Peak
11590.0000	40.34	11.10	51.44	74.00	-22.56	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B4		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
11510.0000	35.60	11.07	46.67	74.00	-27.33	Peak
11590.0000	36.51	11.10	47.61	74.00	-26.39	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

H. 802.11n(HT-40) Band 1 ANT 2

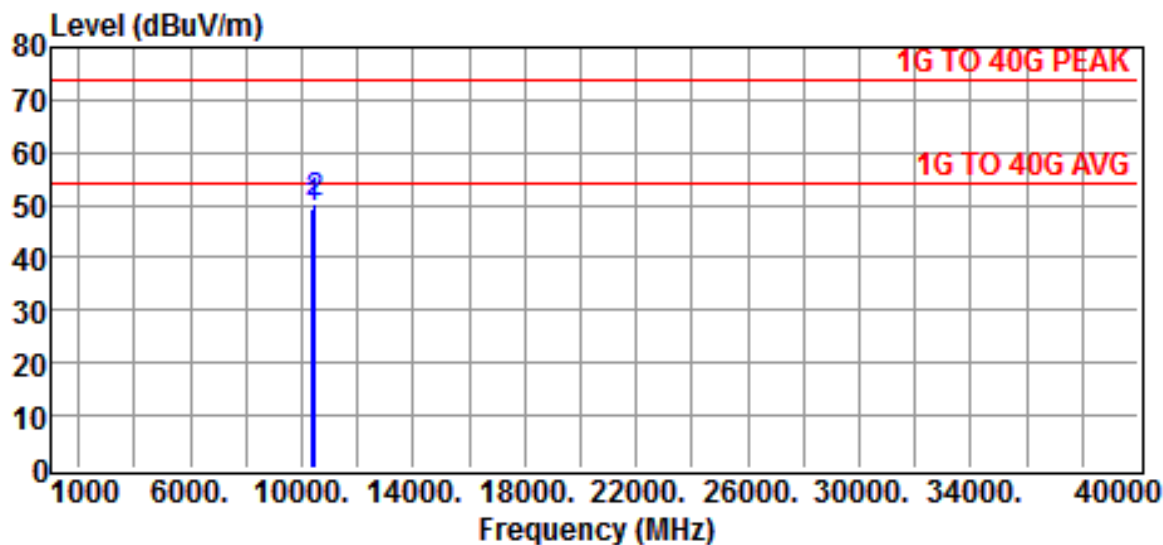
操作模式 : 發射接收

基本波頻率 : LO:5190MHz ,HI:5230MHz

(Local Frequency : LO:5190MHz ,HI:5230MHz)

測試結果 : 合格

測試者 : 何仁逸

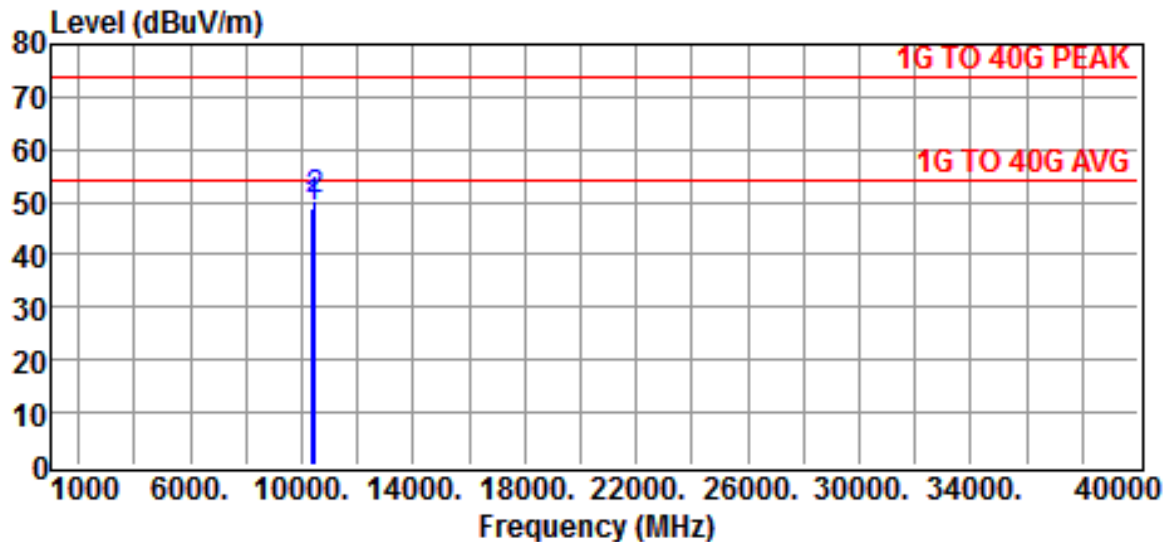


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B1		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10380.0000	39.60	9.57	49.17	74.00	-24.83	Peak
10460.0000	40.60	9.68	50.28	74.00	-23.72	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B1		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10380.0000	39.07	9.57	48.64	74.00	-25.36	Peak
10460.0000	40.39	9.68	50.07	74.00	-23.93	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

I. 802.11ac-40 Band 4 ANT 2

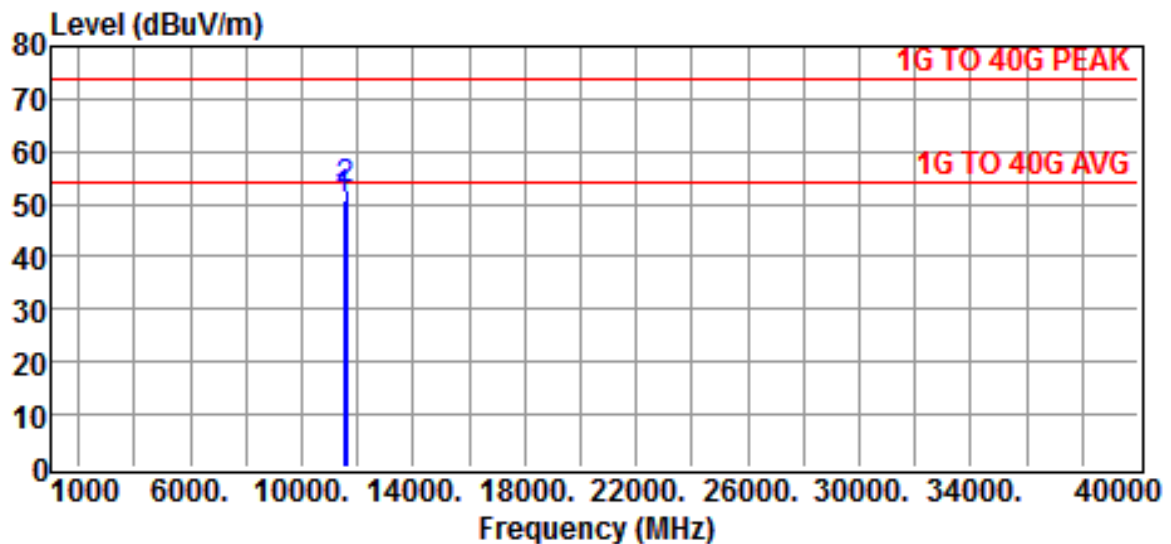
操作模式 : 發射接收

基本波頻率 : LO:5755MHz ,HI:5795MHz

(Local Frequency : LO:5755MHz ,HI:5795MHz)

測試結果 : 合格

測試者 : 何仁逸

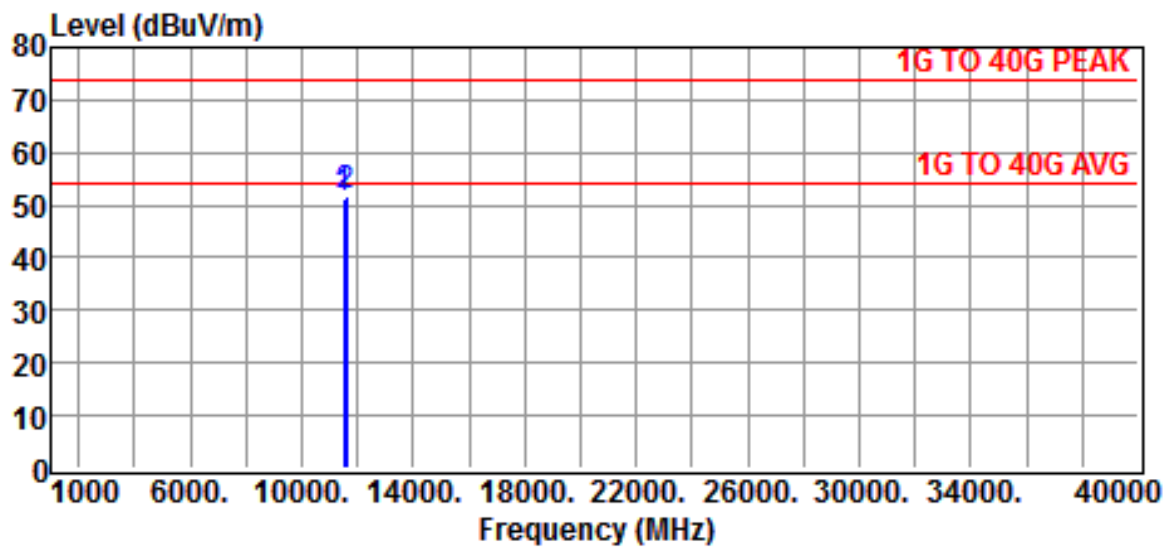


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B4		
Test Mode	:Ant 1		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11510.0000	39.91	11.07	50.98	74.00	-23.02	Peak
11590.0000	41.42	11.10	52.52	74.00	-21.48	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-N&AC40-B4		
Test Mode	:Ant 1		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
11510.0000	40.31	11.07	51.38	74.00	-22.62	Peak
11590.0000	40.60	11.10	51.70	74.00	-22.30	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

J. 802.11ac-80 Band 1 ANT 1

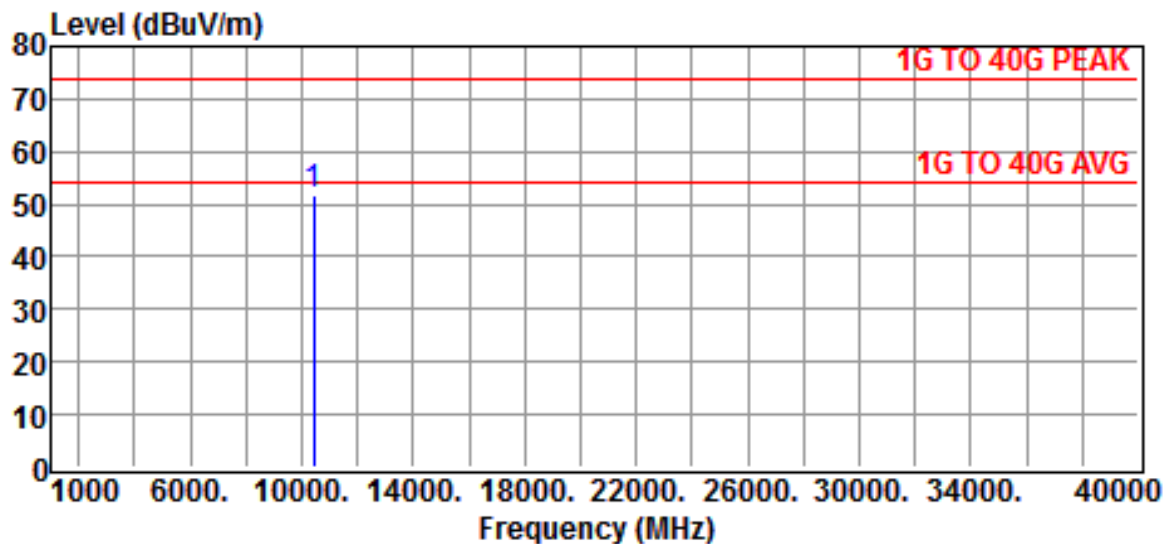
操作模式 : 發射接收

基本波頻率 : MI:5210MHz

(Local Frequency : MI:5210MHz)

測試結果 : 合格

測試者 : 何仁逸

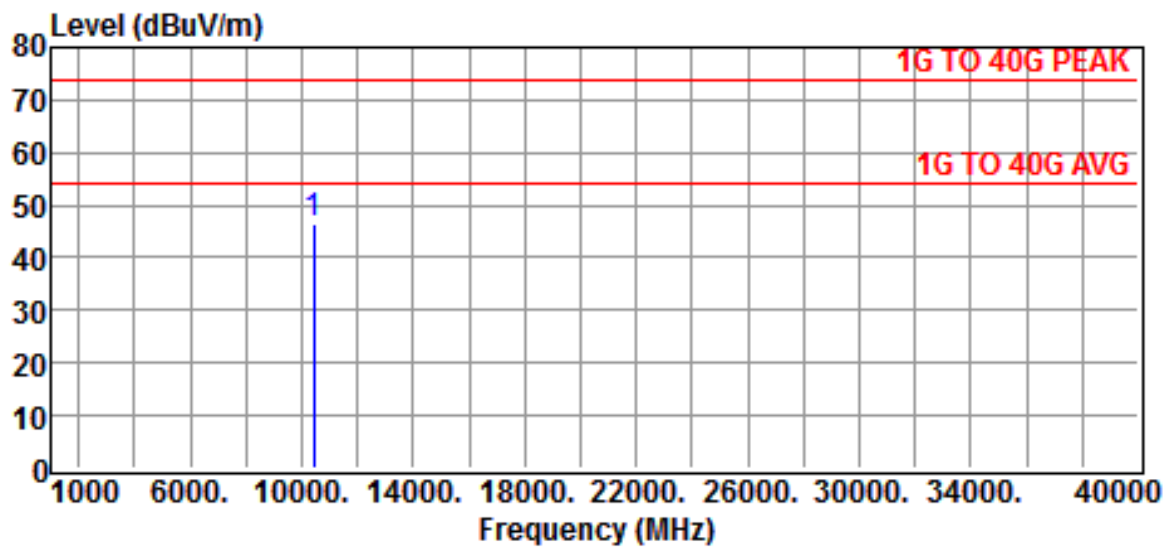


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B1		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10420.0000	42.35	9.62	51.97	74.00	-22.03	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B1		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10420.0000	37.00	9.62	46.62	74.00	-27.38	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

K. 802.11ac-80 Band 4 ANT 1

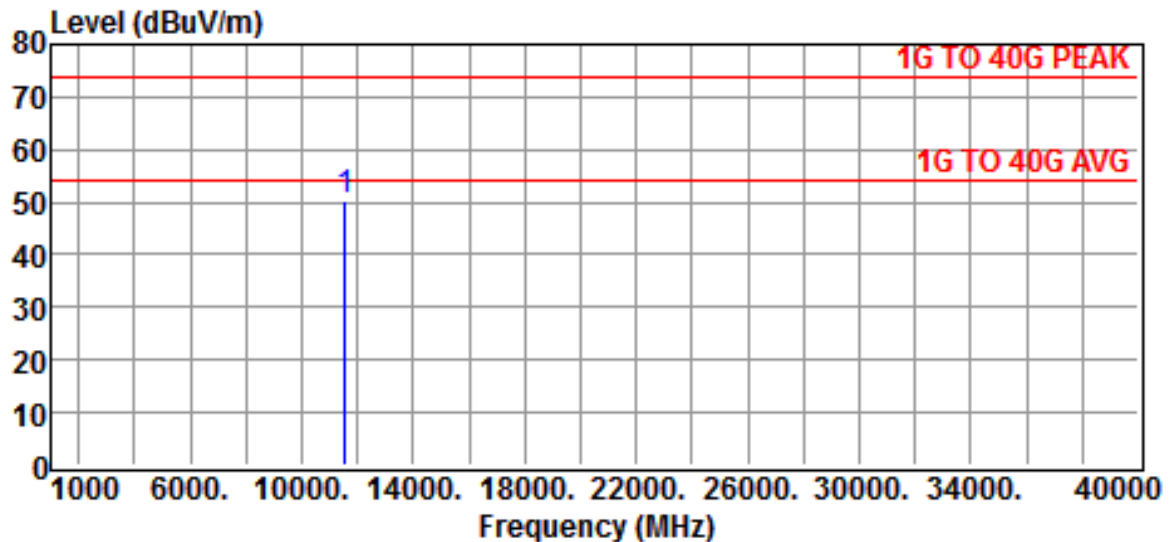
操作模式 : 發射接收

基本波頻率 : MI:5775MHz

(Local Frequency : MI:5775MHz)

測試結果 : 合格

測試者 : 何仁逸

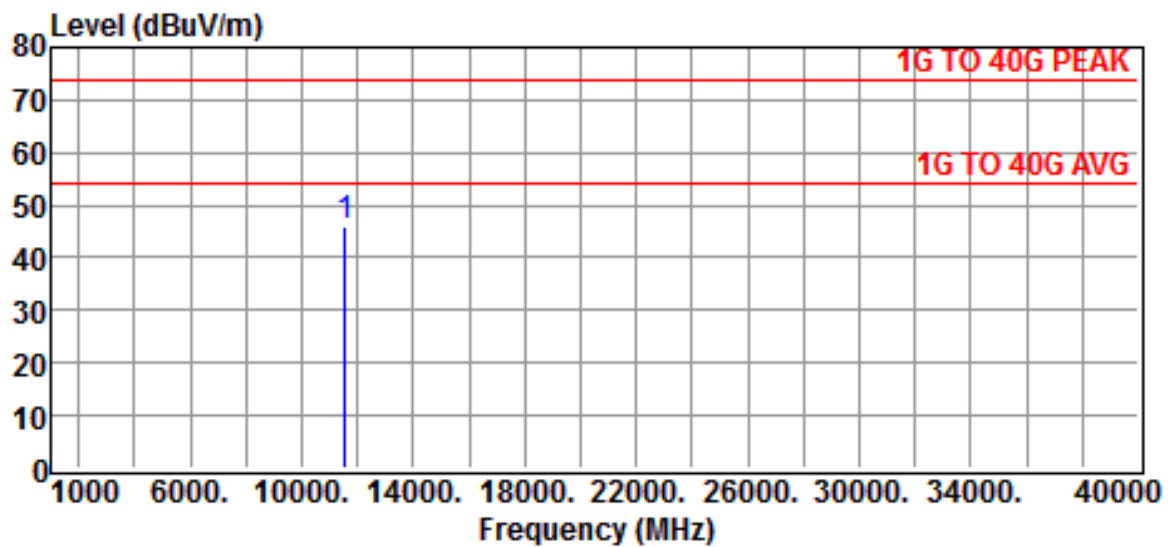


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B4		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
11550.0000	39.42	11.08	50.50	74.00	-23.50	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B4		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
11550.0000	35.00	11.08	46.08	74.00	-27.92	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

L. 802.11ac-80 Band 1 ANT 2

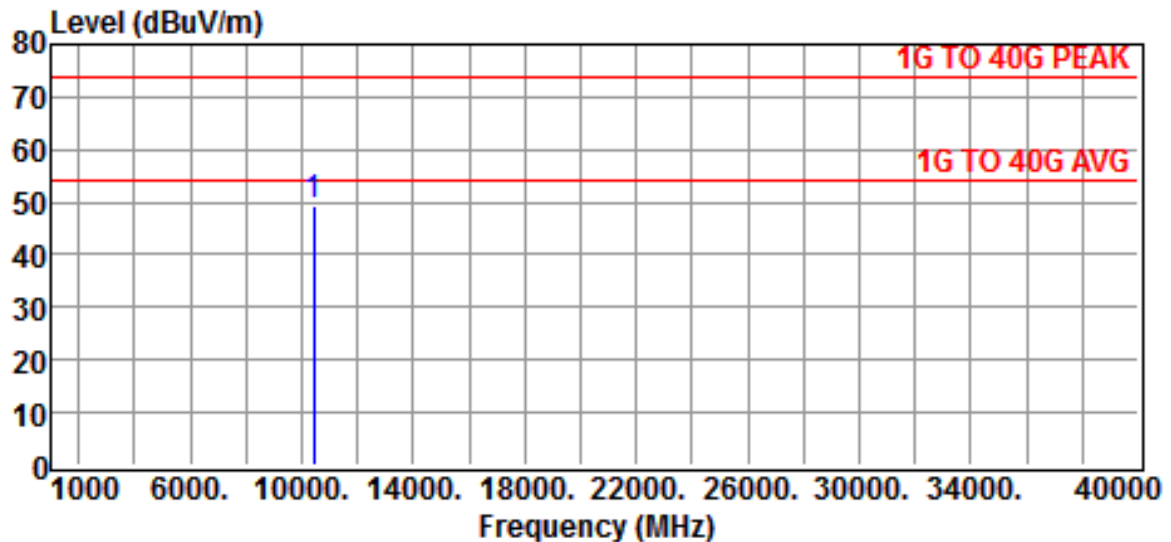
操作模式 : 發射接收

基本波頻率 : MI:5210MHz

(Local Frequency : MI:5210MHz)

測試結果 : 合格

測試者 : 何仁逸

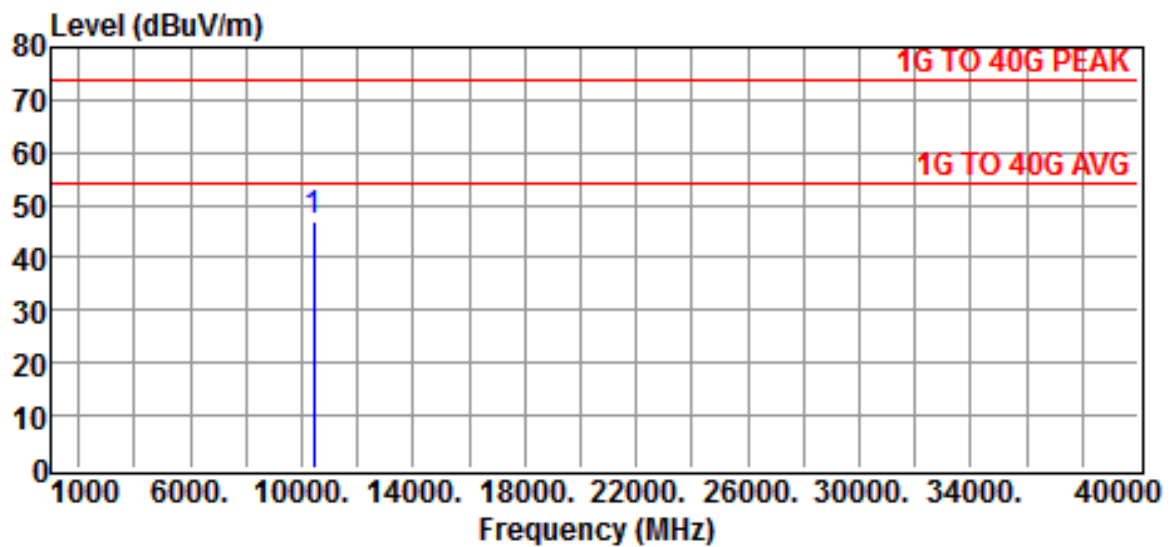


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B1		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10420.0000	39.80	9.62	49.42	74.00	-24.58	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B1		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
10420.0000	37.47	9.62	47.09	74.00	-26.91	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

M. 802.11ac-80 Band 4 ANT 2

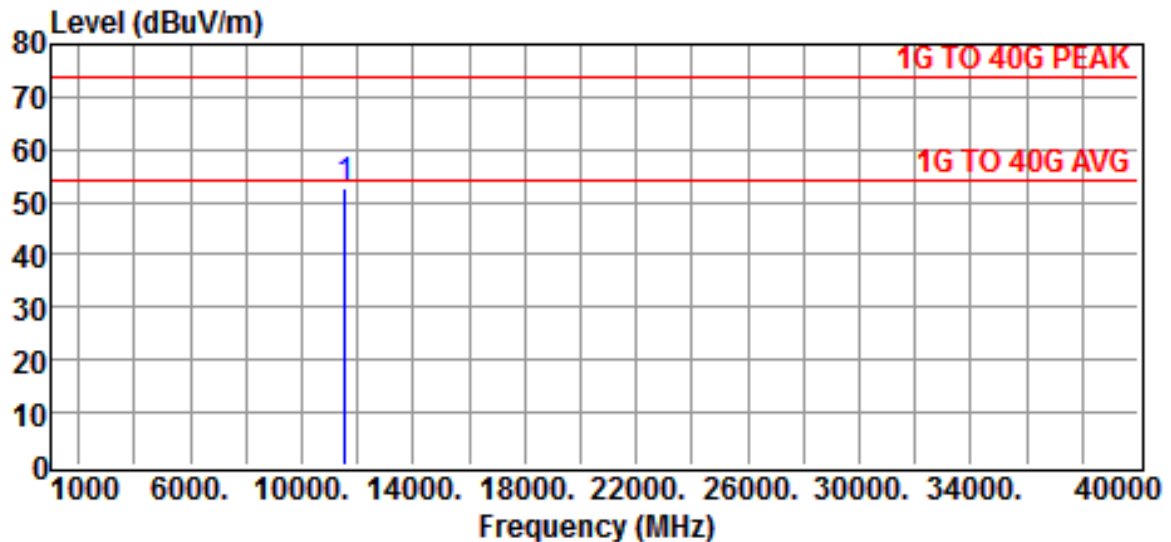
操作模式 : 發射接收

基本波頻率 : MI:5775MHz

(Local Frequency : MI:5775MHz)

測試結果 : 合格

測試者 : 何仁逸

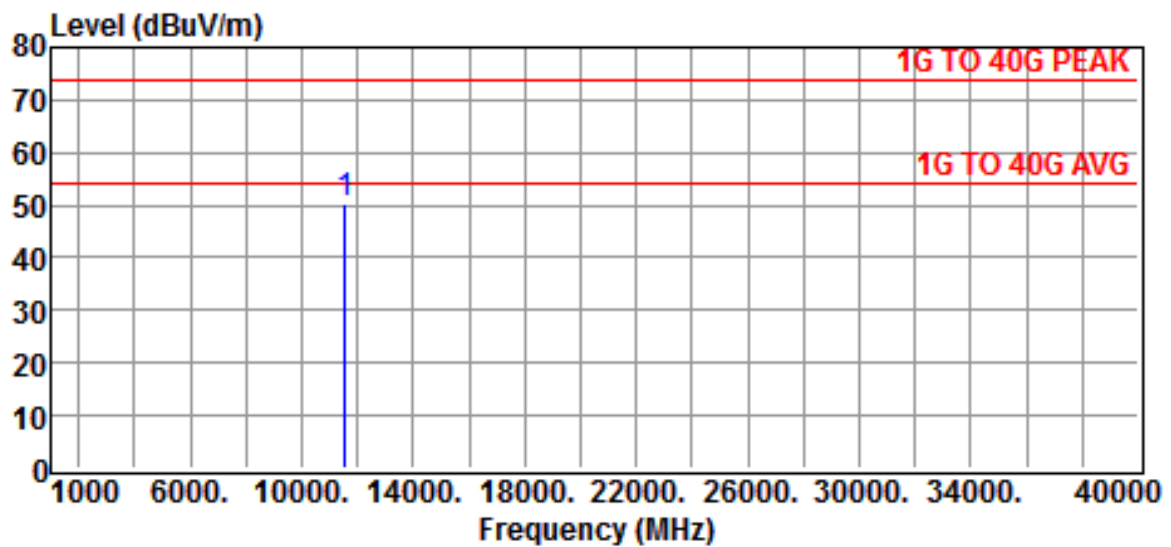


Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B4		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
11550.0000	41.82	11.08	52.90	74.00	-21.10	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.



Site	:Chamber #2	Date	:2018-04-23
Limit	:1G TO 40G PEAK	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:WiFi-5G-AC80-B4		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBuV/m	dBuV/m	dB	
11550.0000	39.26	11.08	50.34	74.00	-23.66	Peak

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

4.5.2 其它不必要之訊號

a. 1GHz以下

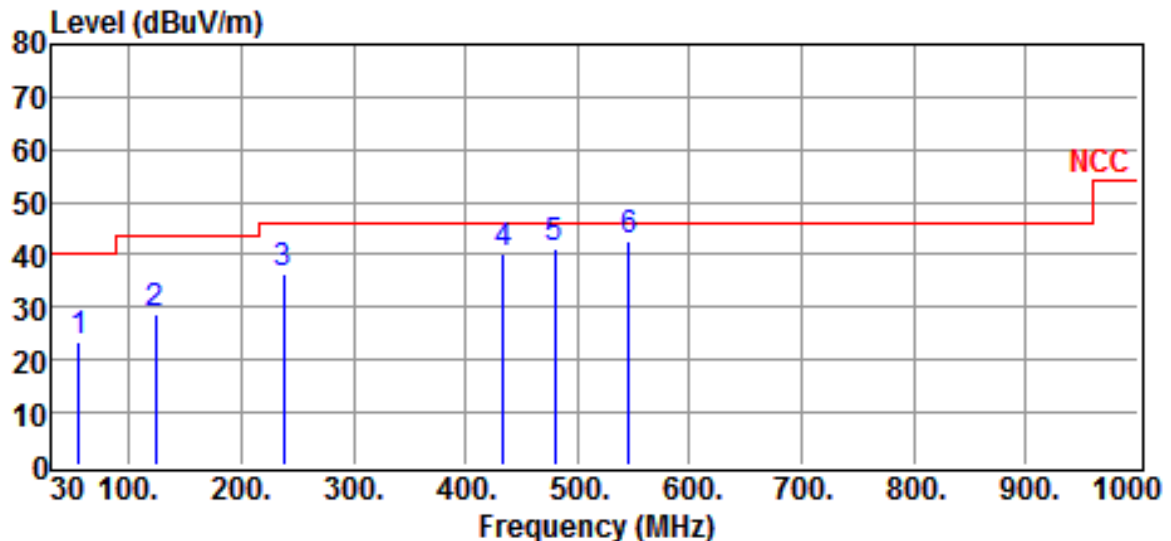
操作模式 : Wifi link

測試日期 : Mar. 19, 2018 環境溫度 : 23 °C

環境濕度 : 51 %

測試結果 : 合格

測試者 : 何仁逸



Site : Chamber #2

Date : 2018-03-19

Limit : NCC

Ant. Pol. : HORIZONTAL

EUT : 汽車音響

Model : NTG6HIGH

Power Rating : DC12V Battery

Temp. : 23 °C

Engineer : Kazuma Ho

Humi. : 51 %

Test Mode : WiFi

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
55.2200	36.79	-13.30	23.49	40.00	-16.51	QP
123.1200	36.88	-8.06	28.82	43.50	-14.68	QP
237.5800	43.11	-6.78	36.33	46.00	-9.67	QP
433.5200	40.36	-0.36	40.00	46.00	-6.00	QP
480.0800	41.09	0.14	41.23	46.00	-4.77	QP
546.0400	41.46	0.97	42.43	46.00	-3.57	QP

Note :

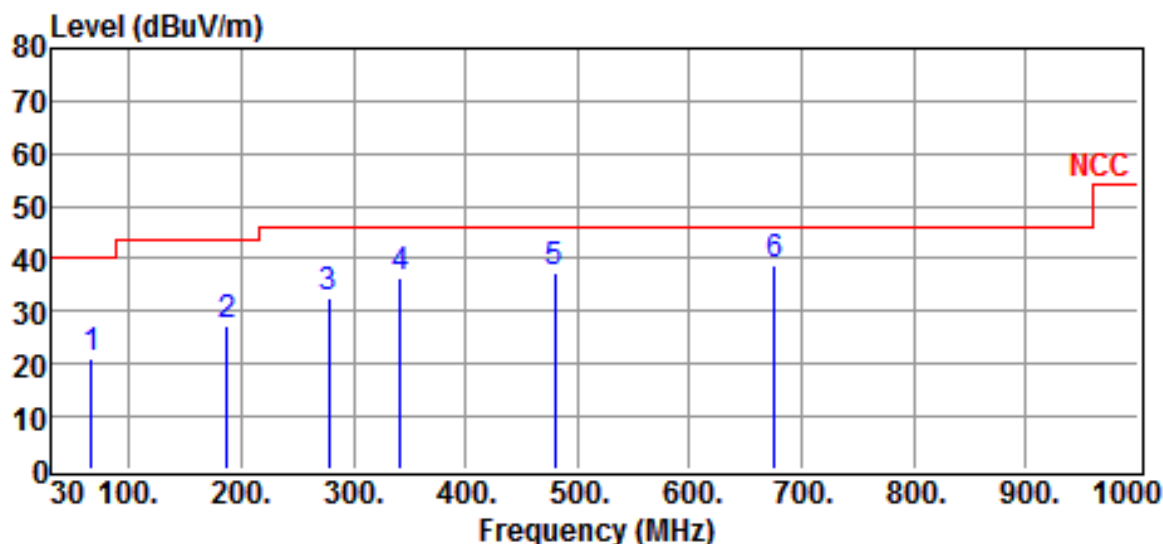
1. Result = Reading + Corrected Factor

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

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

4. The margin value = Limit - Result

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



Site	:Chamber #2	Date	:2018-03-19
Limit	:NCC	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V Battery	Temp.	:23 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:WiFi		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBuV/m	Limits dBuV/m	Over limit dB	Detector
66.8600	35.88	-14.70	21.18	40.00	-18.82	QP
187.1400	36.81	-9.35	27.46	43.50	-16.04	QP
278.3200	36.90	-4.28	32.62	46.00	-13.38	QP
342.3400	38.93	-2.43	36.50	46.00	-9.50	QP
480.0800	37.14	0.14	37.28	46.00	-8.72	QP
676.0200	35.29	3.62	38.91	46.00	-7.09	QP

Note :

1. Result = Reading + Corrected Factor
2. Average Result = Peak Result + Duty Factor ()
3. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)
4. The margin value=Limit - Result
5. Above 1Ghz : Peak measurements are compared to the average limit - as peak measurements are below the average limit, they also comply with the peak limit.

b. 1GHz以上

操作模式 : Wifi link

測試日期 : Mar. 19, 2018 環境溫度 : 23 °C 環境濕度 : 51 %

測試結果 : 合格 測試者 : 何仁逸

註：

1. 1GHz以上之不必要發射之訊號太弱而儀器無法量測。
2. 掃描圖請參考4.5.1 發射諧波及本地震盪。

4.6 輻射之測試配置

圖 1：量測頻率低於1GHz之測試配置

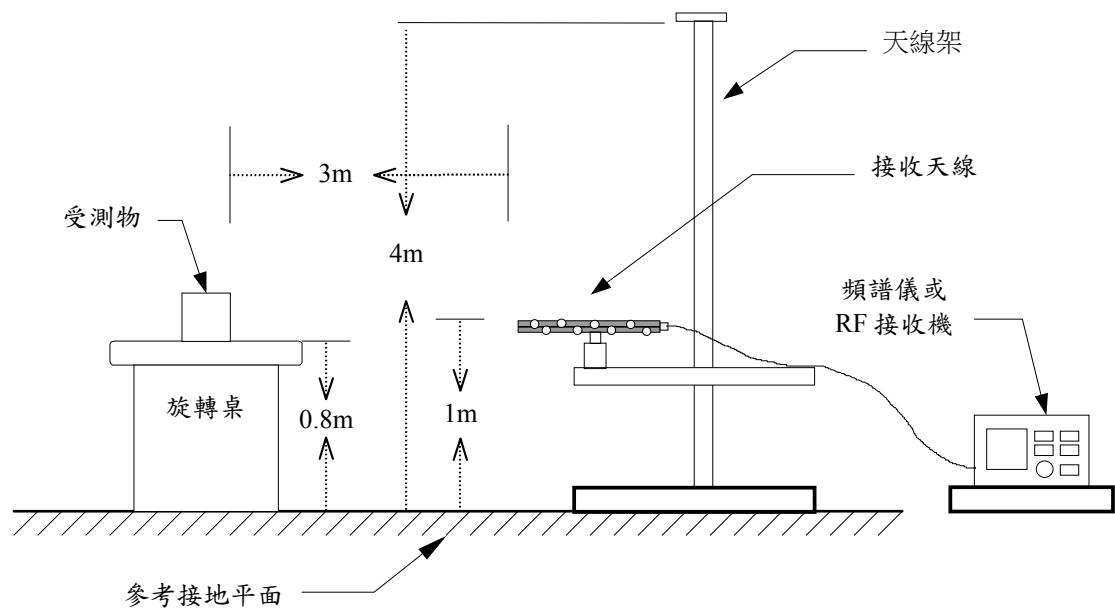
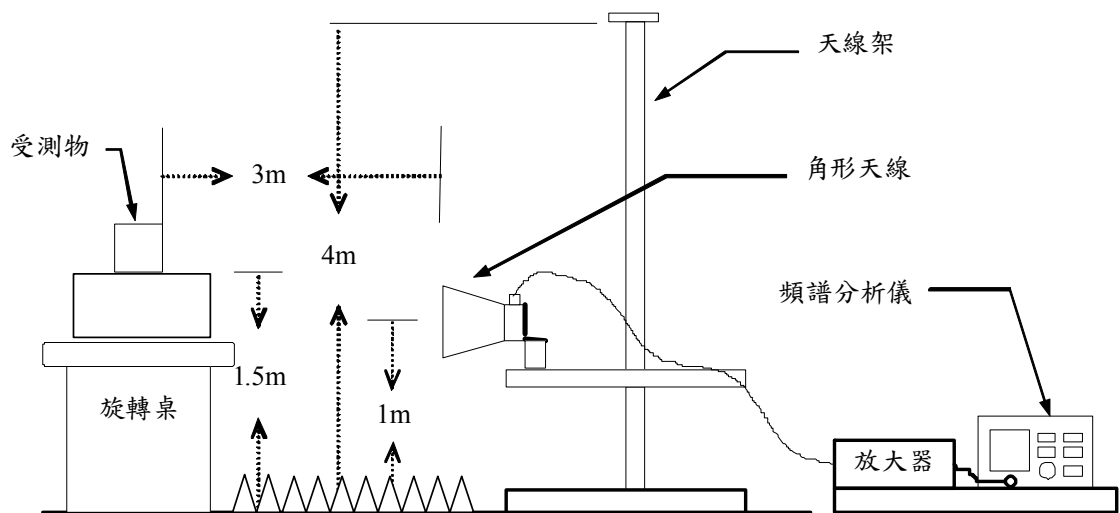


圖 2：量測頻率高於1GHz之測試配置



4.7 輻射量測之配置照片





5 電源線傳導干擾之量測

5.1 適用標準

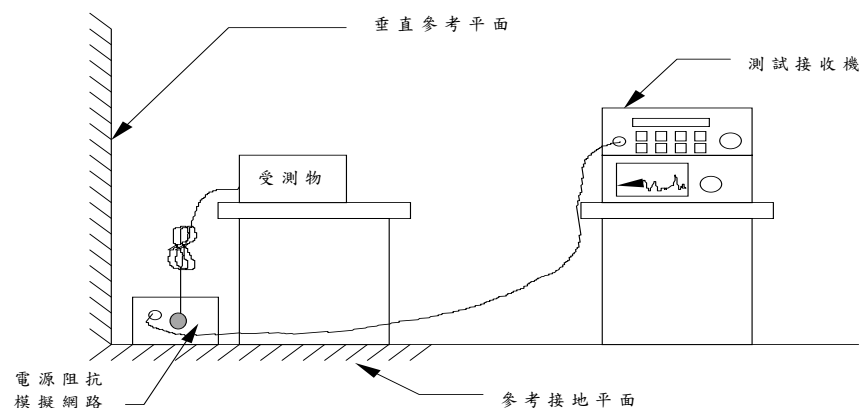
依據低功率射頻電機技術規範2.3節之要求。

5.2 測試方法

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

5.3 測試配置

圖 3：傳導干擾之量測配置



5.4 傳導干擾之量測結果

因本產品為電池供電，故無需實施此項檢測。

6 天線增益之要求

6.1 適用標準

依據低功率射頻電機技術規範4.7.8節之規定，天線之規格不受2.2 規定之限制。

依據低功率射頻電機技術規範4.7.3.1節(1)(C)、4.7.3.1節(2)(C)、4.7.3.1節(4)(C)及4.7.3.2節(3)之規定，使用超過6 dBi 方向增益之發射天線時，應依超過6 dBi 天線方向增益的dBi 總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

依據低功率射頻電機技術規範4.7.3.1節(3)(C)之規定，使用超過23 dBi方向增益之指向性天線時，應依超過23 dBi天線方向增益的dBi總量，等量減少最大傳導輸出功率及最大功率頻譜密度。

依據低功率射頻電機技術規範4.7.3.3節之規定：

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

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

6.2 天線增益

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

廠牌:Hirschmann / 型號:A247 905 83 00 / Gain: 2.4GHz(3dBi) 、5.7GHz(4.5dBi)

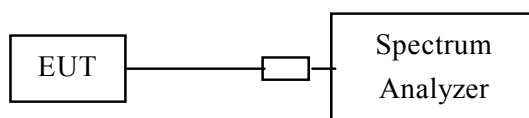
7 發射頻寬之量測

7.1 適用標準

依據低功率射頻電機技術規範4.7.5節之規定，在5.725 GHz～5.850 GHz 頻段操作之設備，其6 dB頻寬至少應有500 kHz。

7.2 測試配置

圖四



7.3 發射頻寬之量測儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
EMI Test Receiver	Rohde & Schwarz	ESU 40	2017/11/09	2018/11/08
Attenuator	WEINSCHEL ENGINEERING	AS3696	2018/01/02	2019/01/01

7.4 發射頻寬之量測結果

測試日期 : Mar. 29, 2018
測試結果 : 合格

環境溫度 : 24°C

環境濕度 : 65 %
測試者 : 何仁逸

5.8GHz(802.11a)

- a) Channel Low : 6 dB 發射頻帶寬度為 16.32 MHz。
- b) Channel Middle : 6 dB 發射頻帶寬度為 16.32 MHz。
- c) Channel High : 6 dB 發射頻帶寬度為 16.32 MHz。

5.8GHz(802.11n/ac -20)ANT 0

- a) Channel Low : 6 dB 發射頻帶寬度為 17.58 MHz。
- b) Channel Middle : 6 dB 發射頻帶寬度為 17.58 MHz。
- c) Channel High : 6 dB 發射頻帶寬度為 17.58 MHz。

5.8GHz(802.11n/ac -20)ANT 1

- a) Channel Low : 6 dB 發射頻帶寬度為 17.76 MHz。
- b) Channel Middle : 6 dB 發射頻帶寬度為 17.76 MHz。
- c) Channel High : 6 dB 發射頻帶寬度為 17.76 MHz。

5.8GHz(802.11n/ac -40)ANT 0

- a) Channel Low : 6 dB 發射頻帶寬度為 35.70 MHz。
- b) Channel High : 6 dB 發射頻帶寬度為 35.70 MHz。

5.8GHz(802.11n/ac -40)ANT 1

- a) Channel Low : 6 dB 發射頻帶寬度為 36.00 MHz。
- b) Channel High : 6 dB 發射頻帶寬度為 36.00 MHz。

5.8GHz(802.11ac -80)ANT 0

- a) Channel Low : 6 dB 發射頻帶寬度為 75.78 MHz。

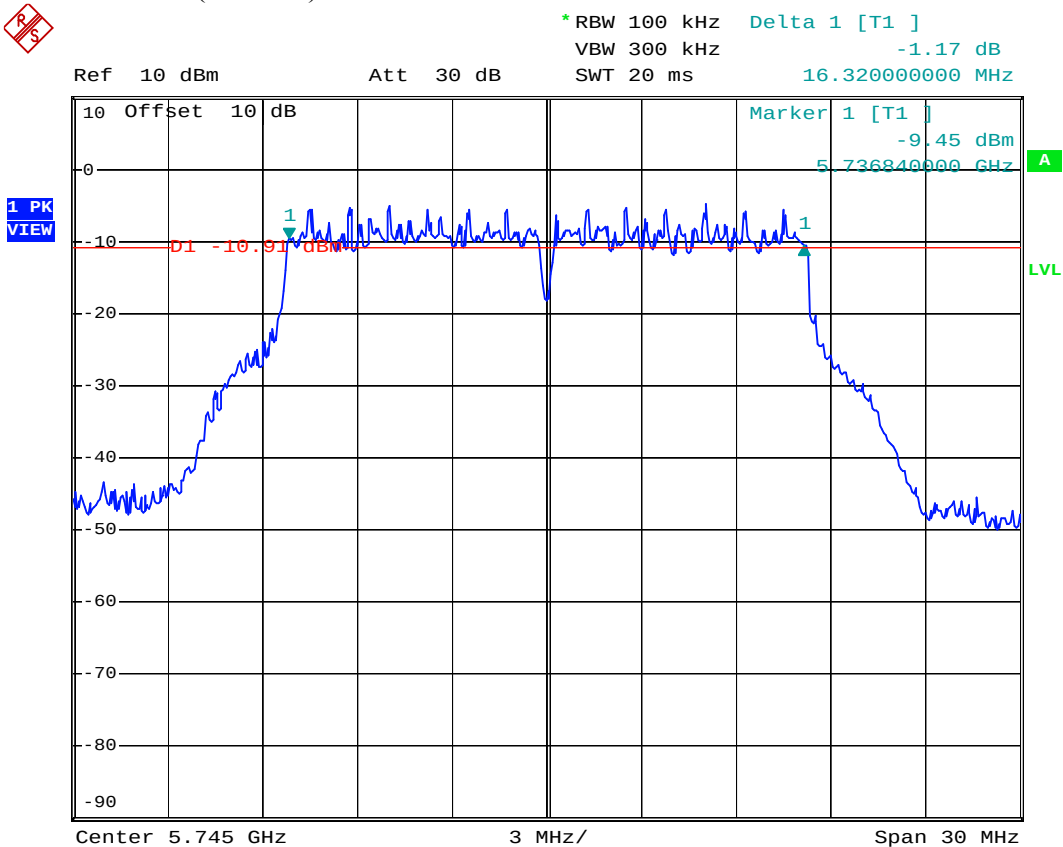
5.8GHz(802.11ac -80)ANT 1

- a) Channel Low : 6 dB 發射頻帶寬度為 75.96 MHz。

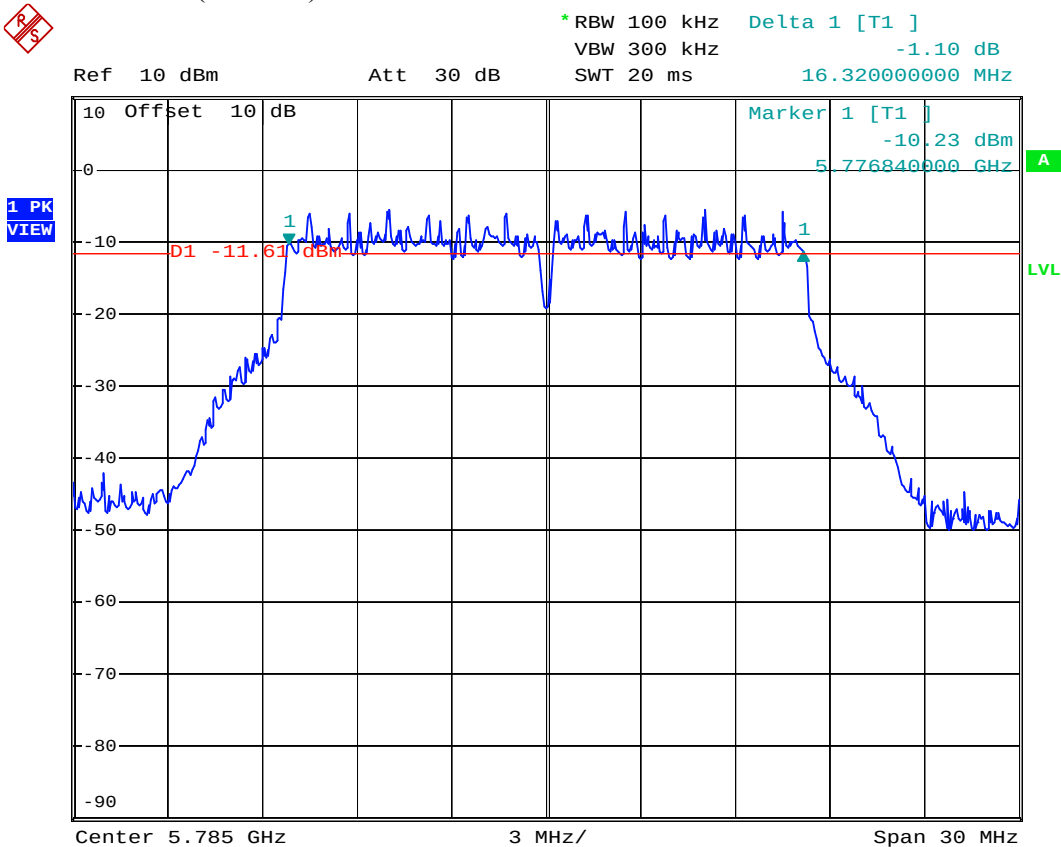
註：

1. 本實驗室發射頻寬檢驗之擴充不確定度1500Hz。
2. 繪圖資料請參考下頁。

Mode: 5.8GHz(802.11a) Band 4/ Channel Low

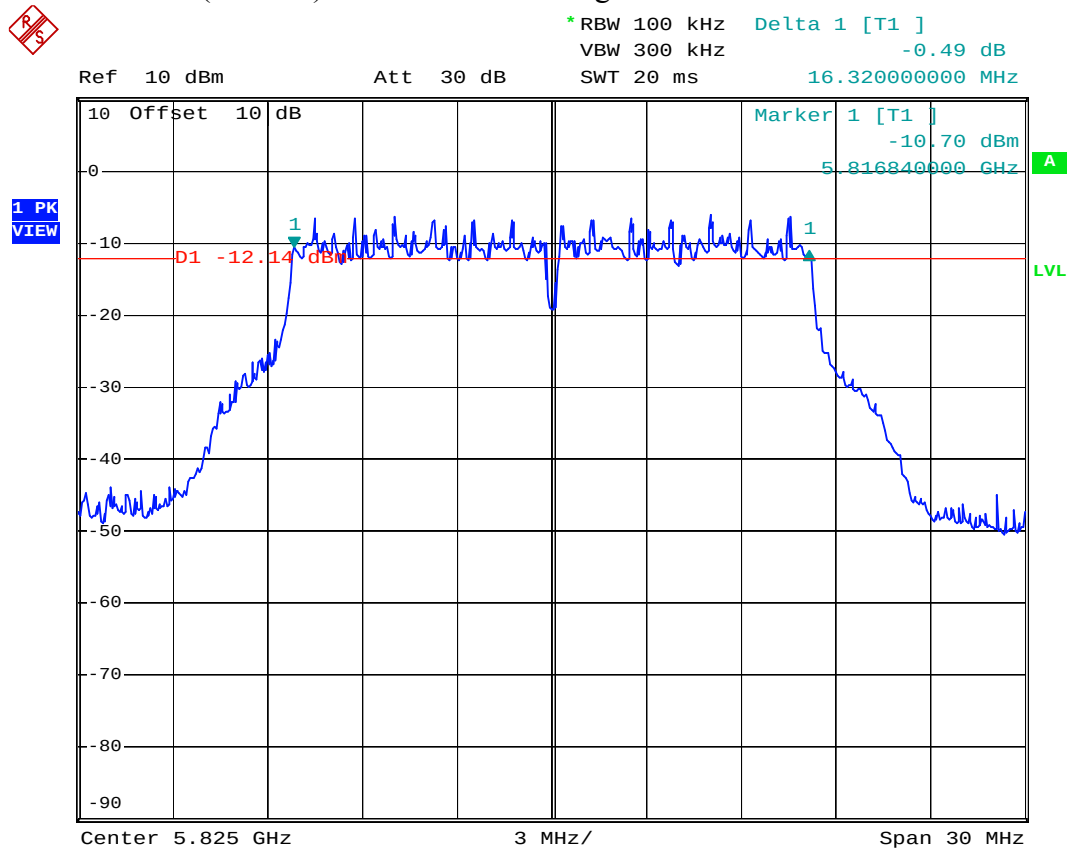


Mode: 5.8GHz(802.11a) Band 4/ Channel Middle

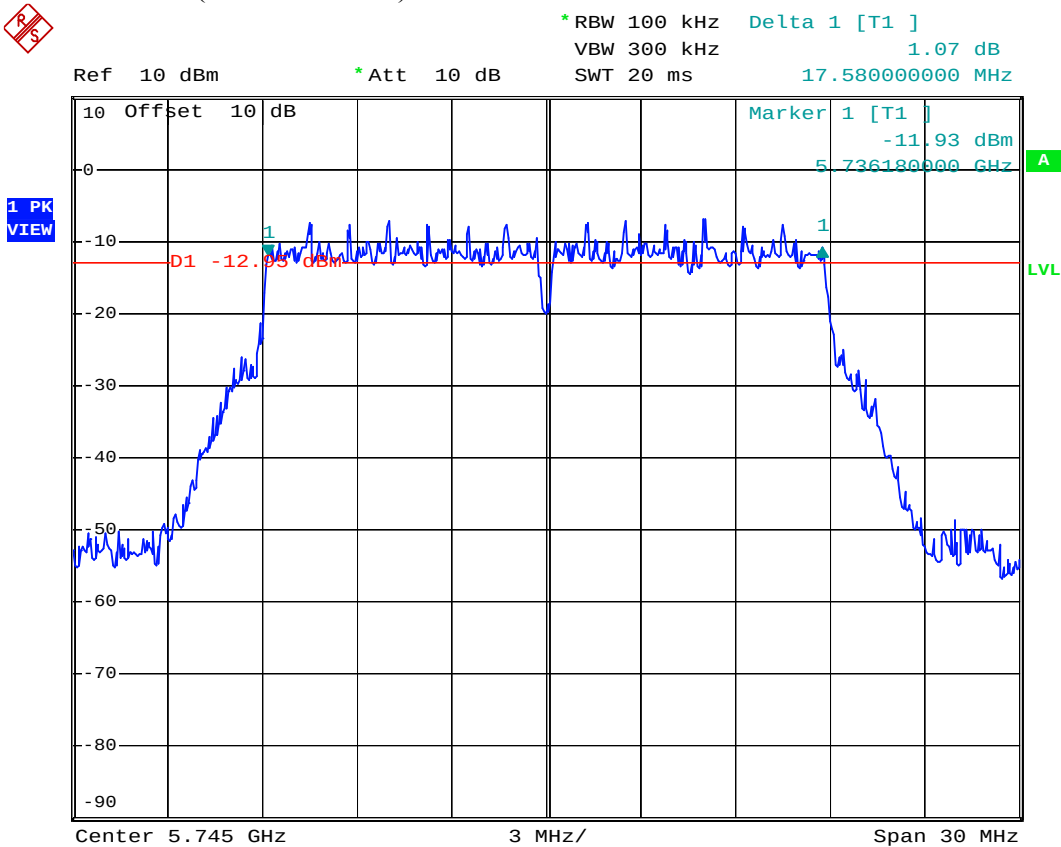


Center 5.785 GHz 3 MHz/ Span 30 MHz

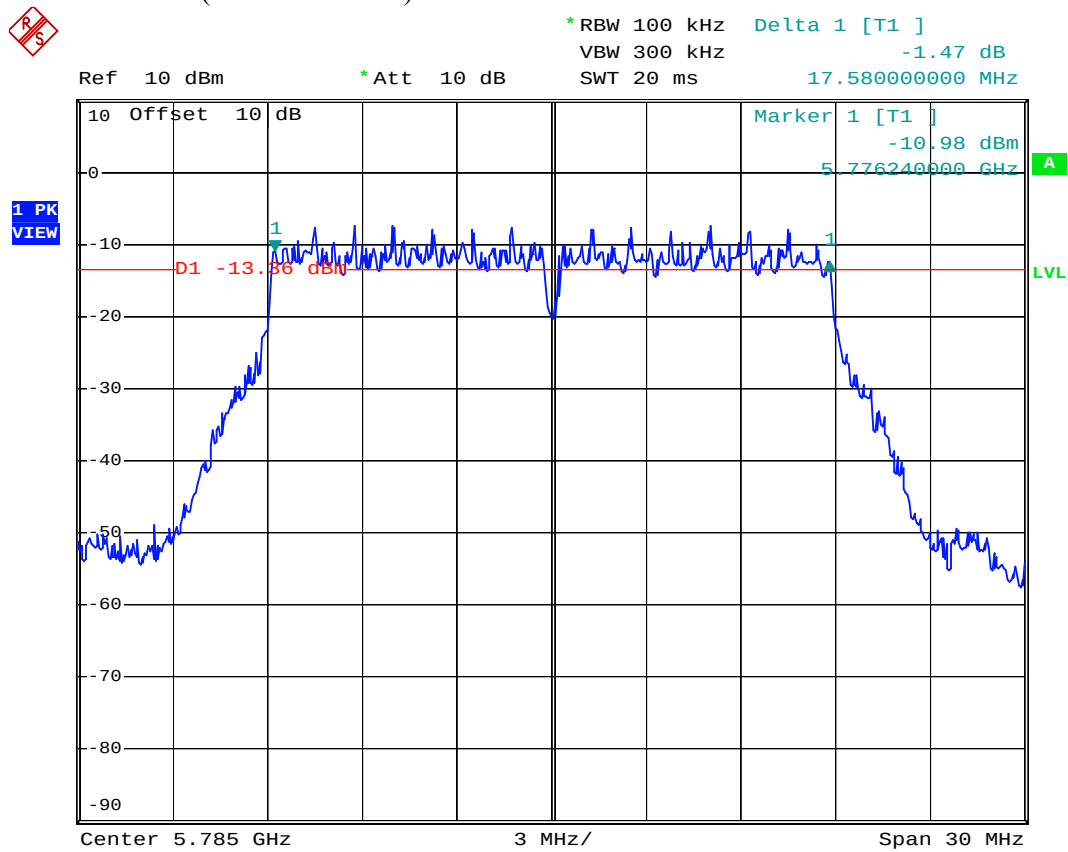
Mode: 5.8GHz(802.11a) Band 4 / Channel High



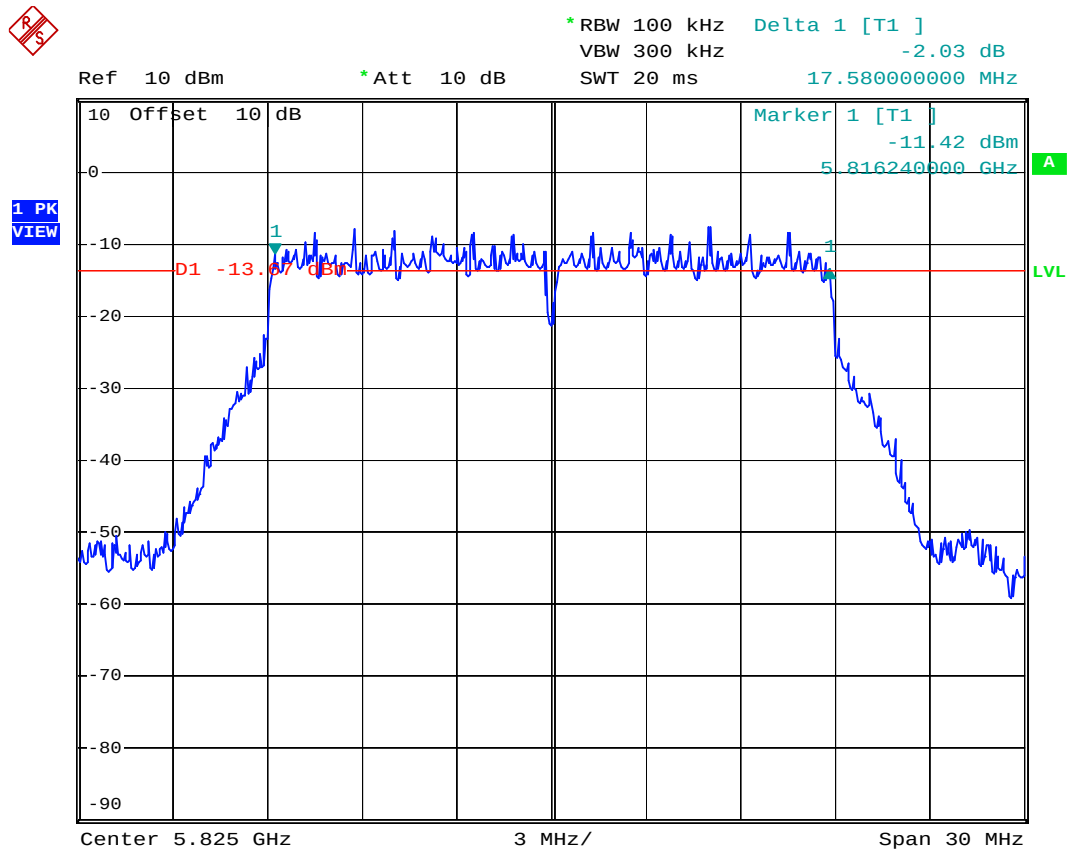
Mode: 5.8GHz(802.11n/ac -20) Band 4 ANT 1 / Channel Low



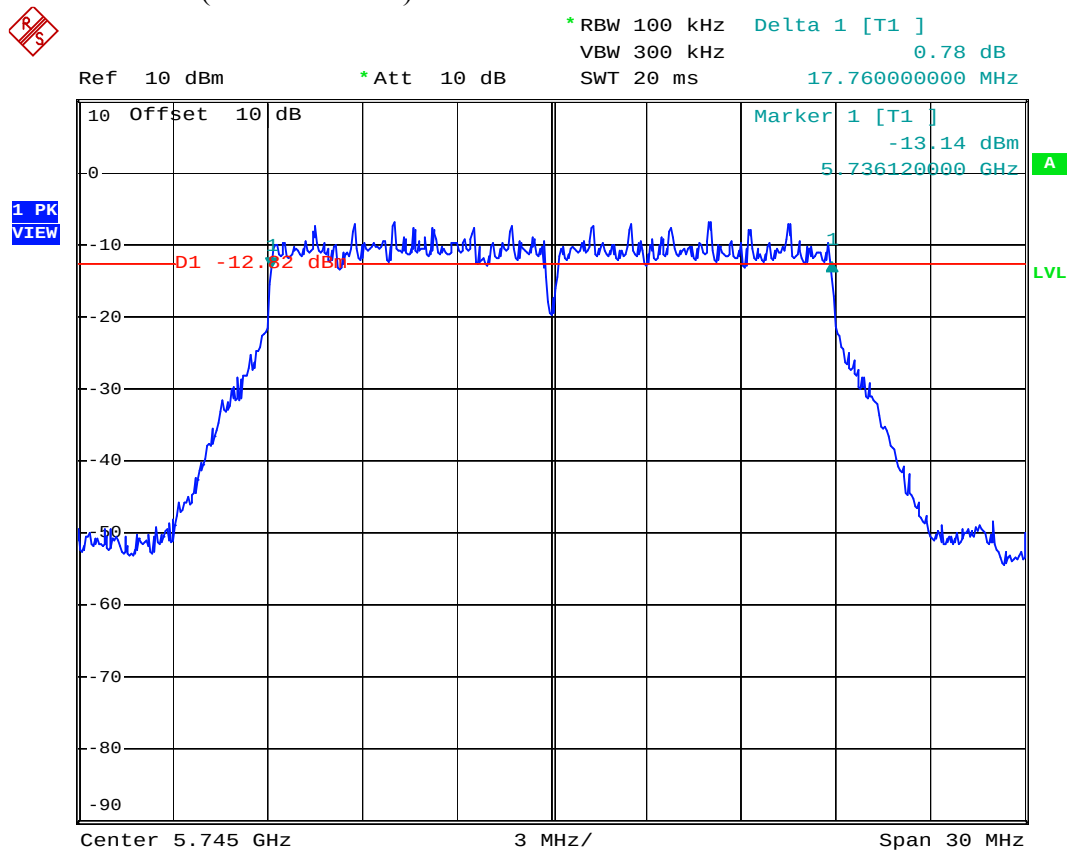
Mode: 5.8GHz(802.11n/ac -20) Band 4 ANT 1/ Channel Middle



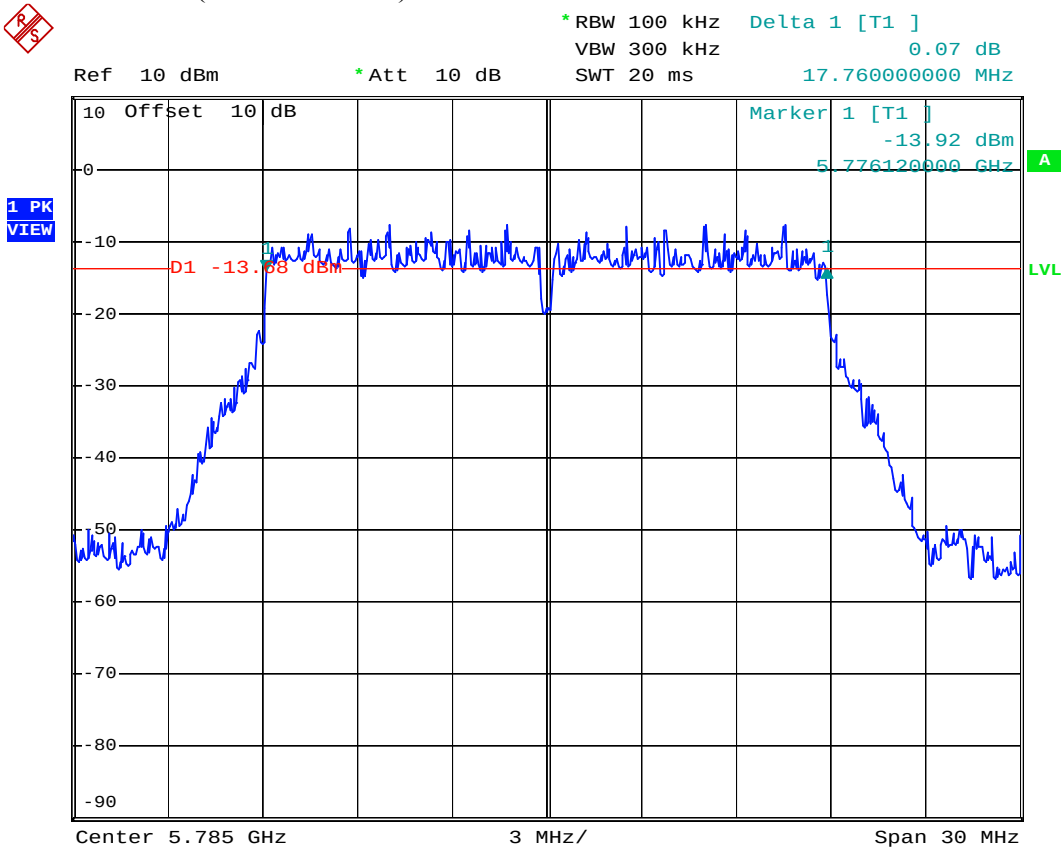
Mode: 5.8GHz(802.11n/ac -20) Band 4 ANT 1/ Channel High



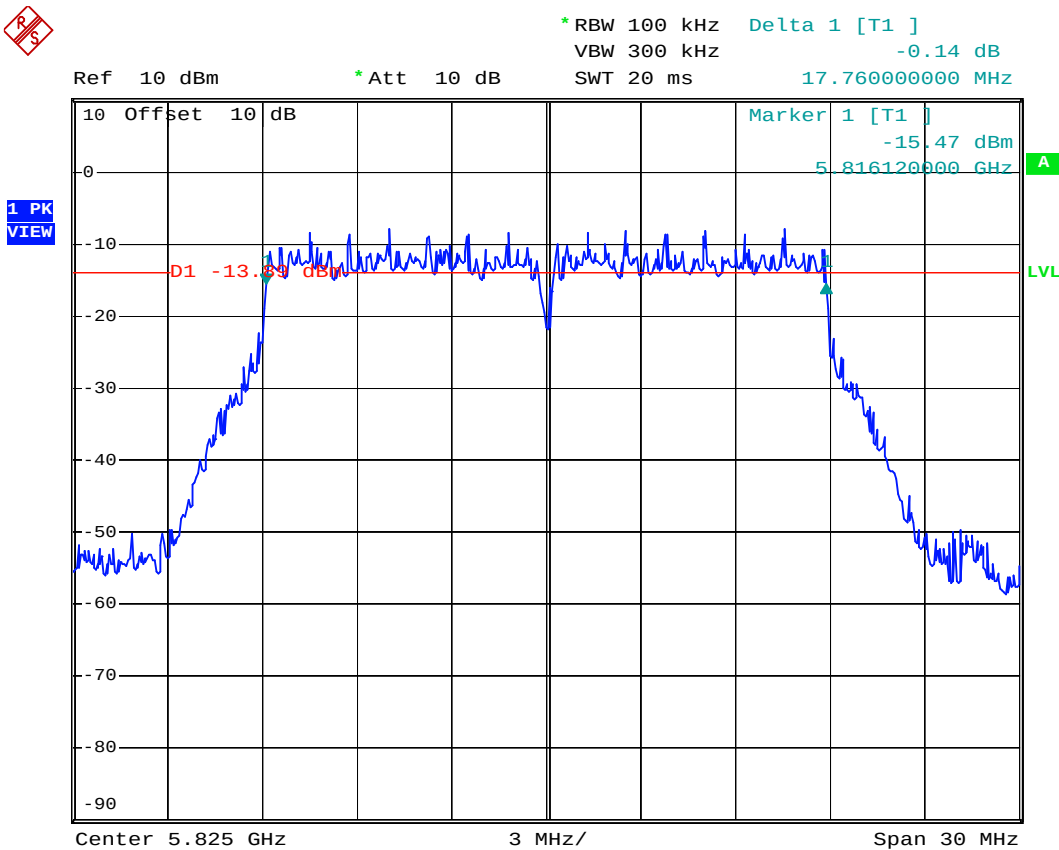
Mode: 5.8GHz(802.11n/ac -20) Band 4 ANT 2 / Channel Low



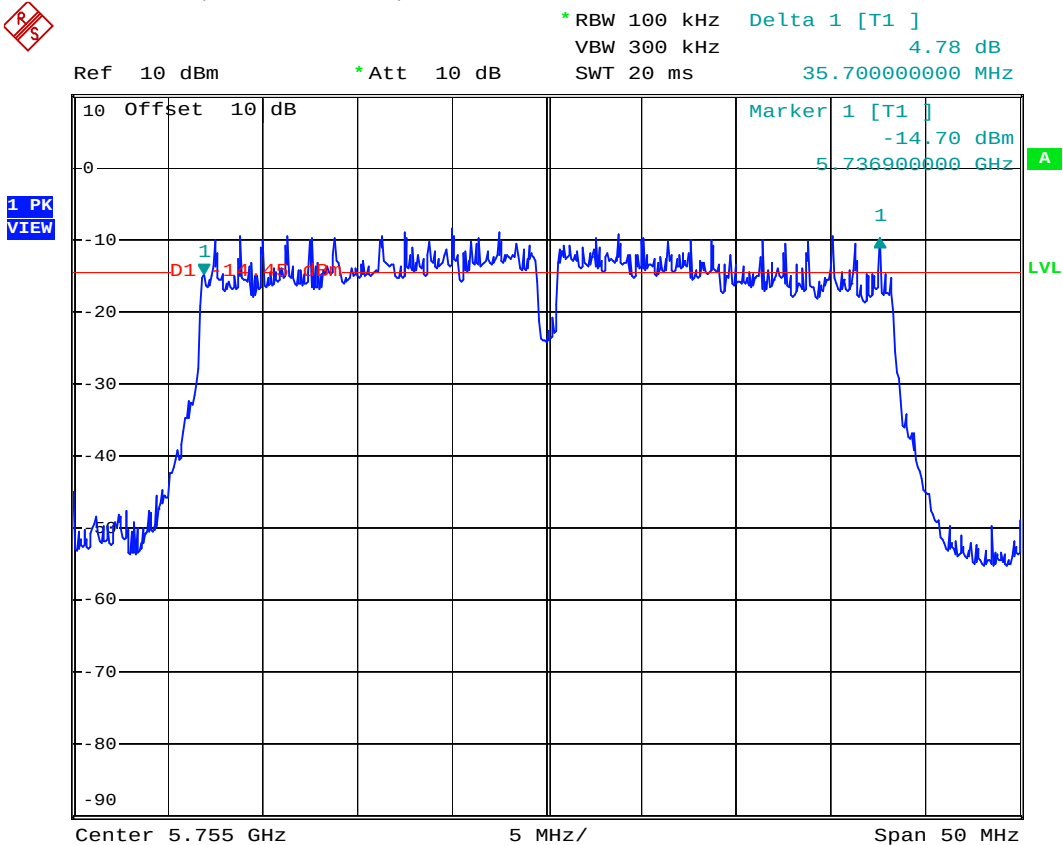
Mode: 5.8GHz(802.11n/ac -20) Band 4 ANT 2/ Channel Middle



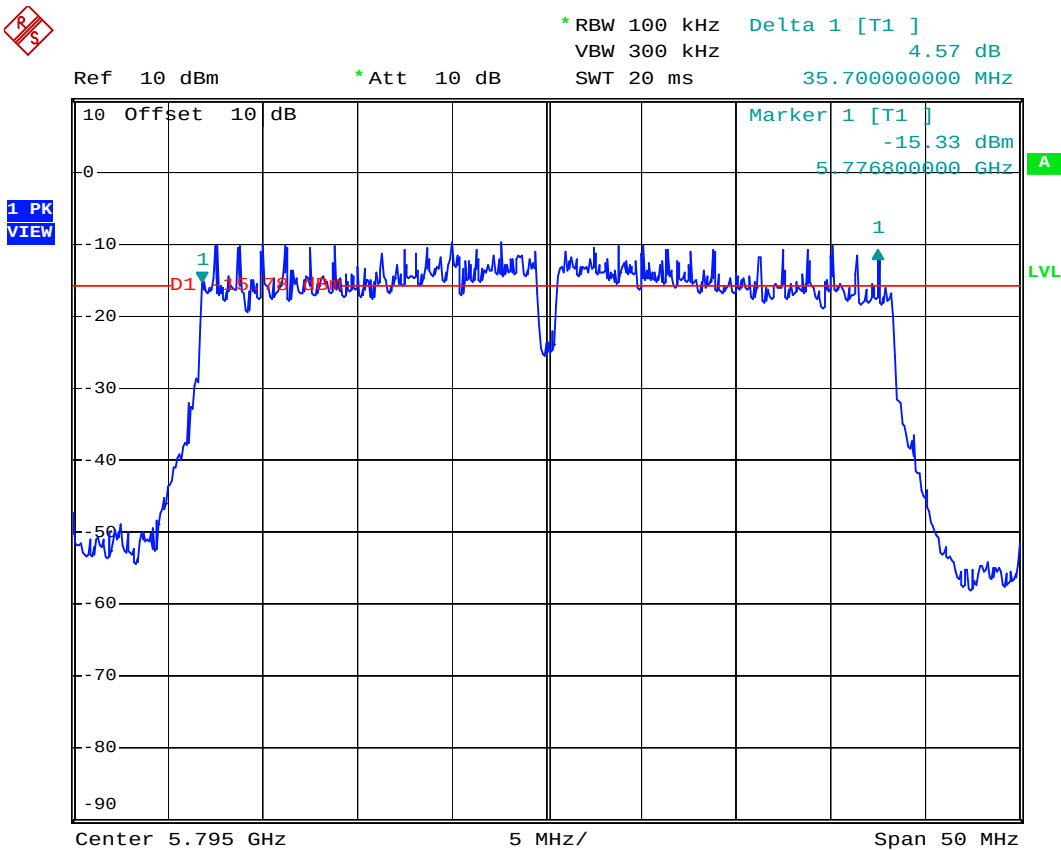
Mode: 5.8GHz(802.11n/ac -20) Band 4 ANT 2/ Channel High



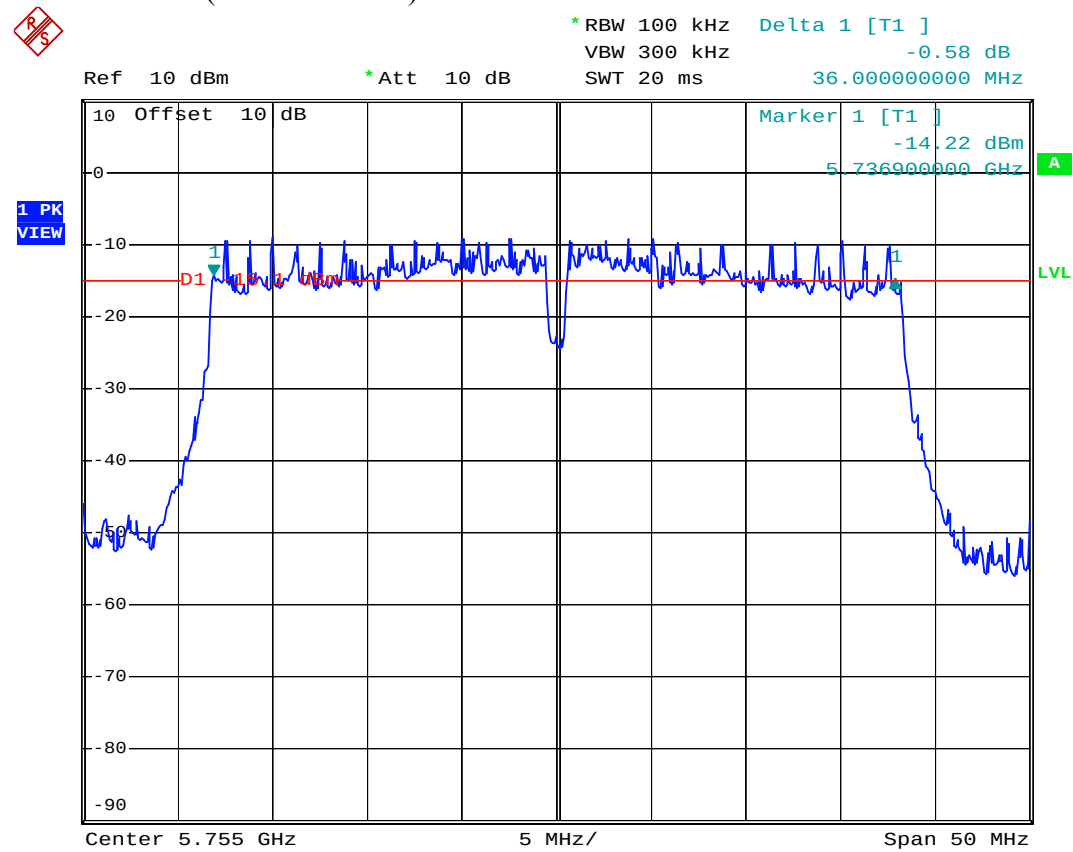
Mode: 5.8GHz(802.11n/ac -40) Band 4 ANT 1/ Channel Low



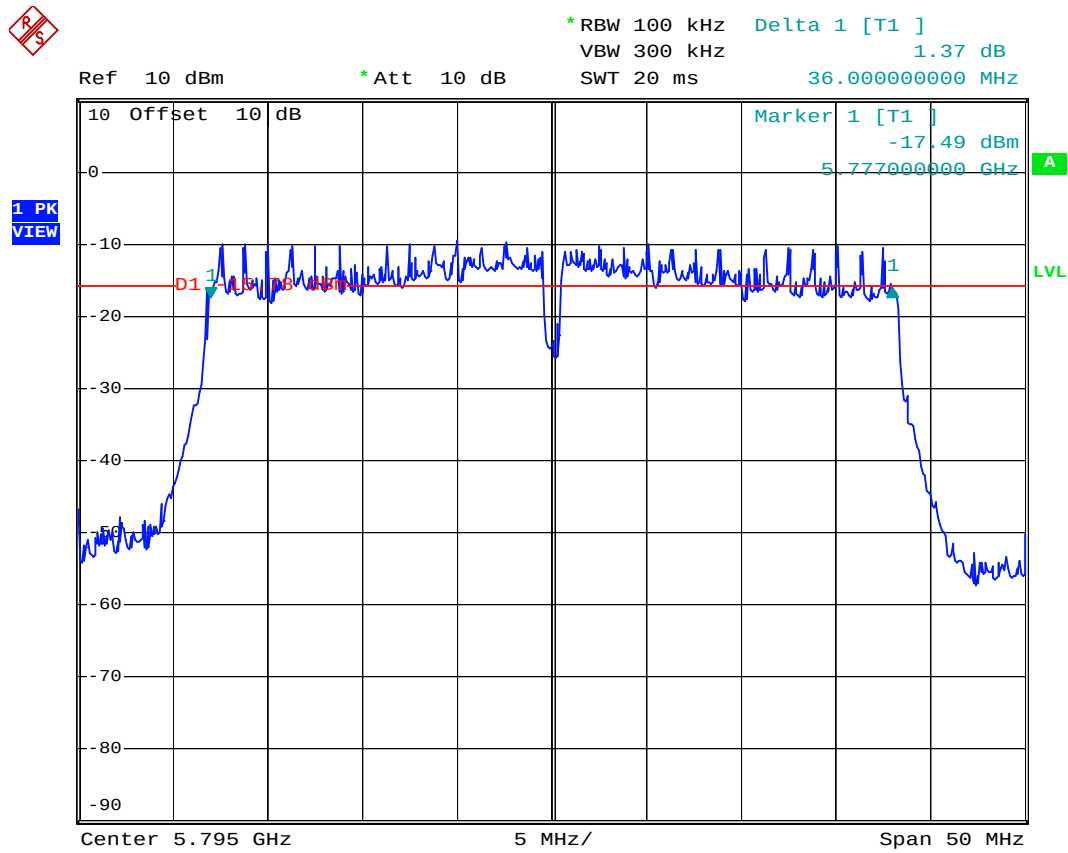
Mode: 5.8GHz(802.11n/ac -40) Band 4 ANT 1/ Channel High



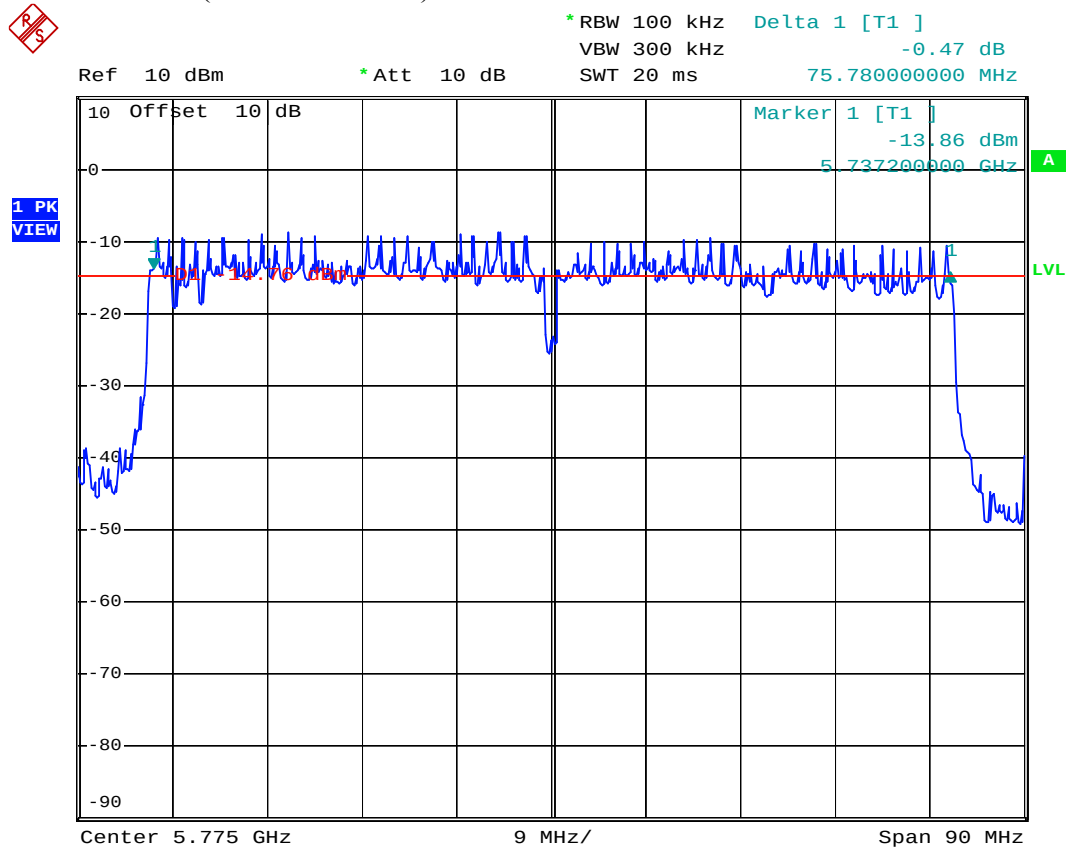
Mode: 5.8GHz(802.11n/ac -40) Band 4 ANT 2/ Channel Low



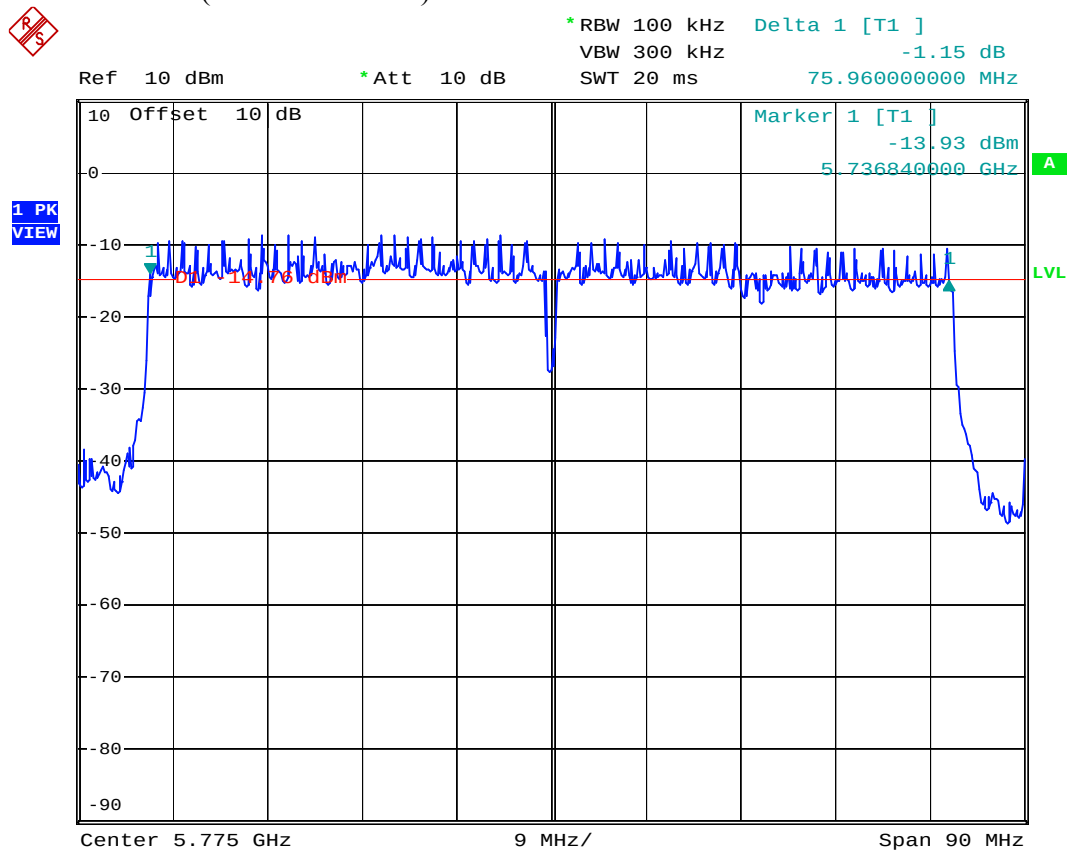
Mode: 5.8GHz(802.11n/ac -40) Band 4 ANT 2/ Channel High



Mode: 5.8GHz(802.11ac HT-80) Band 4 ANT 1/ Channel Low



Mode: 5.8GHz(802.11ac HT-80) Band 4 ANT 2/ Channel Low



8 輸出功率之量測

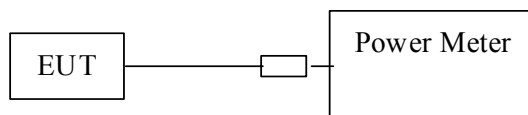
8.1 適用標準

依據低功率射頻電機技術規範4.7.3.1節(1)(A)、4.7.3.1節(2)(A)、4.7.3.1節(3)(A)及4.7.3.3節(1)之規定，最大傳導輸出功率應小於或等於1 W。

依據低功率射頻電機技術規範4.7.3.1節(4)(A)之規定，最大傳導輸出功率應小於或等於250 mW。

依據低功率射頻電機技術規範4.7.3.2節(1)之規定，最大傳導輸出功率應小於或等於250 mW或 $11\text{dBm} + 10\log B$ (B是26 dB發射頻寬，單位MHz)之較小者。

8.2 輸出功率之測試配置



如圖所示

8.3 輸出功率之量測儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
POWER METER +SENSOR	ANRITSU	ML2487A +MA2491A	2017/05/18	2018/05/17
Attenuator	WEINSCHTEL ENGINEERING	AS3696	2016/12/01	2017/11/30

8.4 輸出功率之量測結果

測試日期 : Mar. 29, 2018

環境溫度 : 24°C

環境濕度 : 65 %

測試結果 : 合格

測試者 : 何仁逸

802.11a Band 1

- a) CH Low 5180MHz : 輸出功率為 17.62 dBm or 57.809 mW。
- b) CH Middle 5200MHz : 輸出功率為 17.34 dBm or 54.200 mW。
- c) CH High 5240MHz : 輸出功率為 17.93 dBm or 30.130 mW。

802.11a Band 4

- a) CH Low 5745MHz : 輸出功率為 15.86 dBm or 38.547 mW。
- b) CH Middle 5785MHz : 輸出功率為 15.26 dBm or 33.573 mW。
- c) CH High 5825MHz : 輸出功率為 14.79 dBm or 30.130 mW。

802.11n/ac -20 Band 1 ANT 1

- a) CH Low 5180MHz : 輸出功率為 17.25 dBm or 53.088 mW。
- b) CH Middle 5200MHz : 輸出功率為 16.93 dBm or 49.317 mW。
- c) CH High 5240MHz : 輸出功率為 16.52 dBm or 44.874 mW。

802.11n/ac -20 Band 4 ANT 1

- a) CH Low 5745MHz : 輸出功率為 13.61 dBm or 22.961 mW。
- b) CH Middle 5785MHz : 輸出功率為 13.56 dBm or 22.698 mW。
- c) CH High 5825MHz : 輸出功率為 13.31 dBm or 21.428 mW。

802.11n/ac -20 Band 1 ANT 2

- a) CH Low 5180MHz : 輸出功率為 17.13 dBm or 51.641 mW。
- b) CH Middle 5200MHz : 輸出功率為 16.89 dBm or 48.865 mW。
- c) CH High 5240MHz : 輸出功率為 16.42 dBm or 43.853 mW。

802.11n/ac -20 Band 4 ANT 2

- a) CH Low 5745MHz : 輸出功率為 13.55 dBm or 22.646 mW。
- b) CH Middle 5785MHz : 輸出功率為 13.43 dBm or 22.029 mW。
- c) CH High 5825MHz : 輸出功率為 13.28 dBm or 21.281 mW。

802.11n/ac -20 Band 1 Combine Antenna 0 & 1

- a) CH Low 5745MHz : 輸出功率為 20.20 dBm or 104.729 mW。
- b) CH Middle 5785MHz : 輸出功率為 19.92 dBm or 98.182 mW。
- c) CH High 5825MHz : 輸出功率為 19.48 dBm or 88.727 mW。

802.11n/ac -20 Band 4 Combine Antenna 0 & 1

- a) CH Low 5745MHz : 輸出功率為 16.59 dBm or 45.607 mW。
- b) CH Middle 5785MHz : 輸出功率為 16.51 dBm or 44.727 mW。
- c) CH High 5825MHz : 輸出功率為 16.31 dBm or 42.709 mW。

802.11n/ac -40 Band 1 ANT 1

- a) CH Low 5190MHz : 輸出功率為 16.11 dBm or 40.831 mW。
- b) CH High 5230MHz : 輸出功率為 16.05 dBm or 40.271 mW。

802.11n/ac -40 Band 4 ANT 1

- a) CH Low 5755MHz : 輸出功率為 14.15 dBm or 26.001 mW。
- b) CH High 5795MHz : 輸出功率為 13.79 dBm or 23.933 mW。

802.11n/ac -40 Band 1 ANT 2

- a) CH Low 5190MHz : 輸出功率為 16.05 dBm or 40.271 mW。
- b) CH High 5230MHz : 輸出功率為 16.01 dBm or 39.902 mW。

802.11n/ac -40 Band 4 ANT 2

- a) CH Low 5755MHz : 輸出功率為 14.09 dBm or 25.644 mW。
- b) CH High 5795MHz : 輸出功率為 13.73 dBm or 23.604 mW。

802.11n/ac -40 Band 1 Combine Antenna 0 & 1

- a) CH Low 5755MHz : 輸出功率為 19.09 dBm or 81.102 mW。
- b) CH High 5795MHz : 輸出功率為 19.04 dBm or 80.173 mW。

802.11n/ac -40 Band 4 Combine Antenna 0 & 1

- a) CH Low 5755MHz : 輸出功率為 17.13 dBm or 51.645 mW。
- b) CH High 5795MHz : 輸出功率為 16.77 dBm or 47.537 mW。

802.11ac-80 Band 1 ANT 1

- a) CH Middle 5210MHz : 輸出功率為 19.65 dBm or 92.257 mW。

802.11ac-80 Band 4 ANT 1

- a) CH Middle 5775MHz : 輸出功率為 17.31 dBm or 53.826 mW。

802.11ac-80 Band 1 ANT 2

- a) CH Middle 5210MHz : 輸出功率為 19.55 dBm or 90.157 mW。

802.11ac-80 Band 4 ANT 2

- a) CH Middle 5755MHz : 輸出功率為 17.26 dBm or 53.210mW。

802.11ac-80 Band 1 Combine Antenna 0 & 1

- a) CH Middle 5210MHz : 輸出功率為 22.61 dBm or 182.414 mW。

802.11ac-80 Band 4 Combine Antenna 0 & 1

- a) CH Middle 5755MHz : 輸出功率為 20.30 dBm or 107.036 mW。

註：

1. 本實驗室峰值功率頻譜密度檢驗之擴充不準確定 ± 2 dB。

9 不必要發射之量測

9.1 適用標準

依據低功率射頻電機技術規範4.7.4節之規定，不必要發射之限制值：在操作頻帶外的峰值發射應衰減至符合下列限制值：

4.7.4.1 在5.15 GHz~5.35 GHz 及5.470 GHz~5.725 GHz 頻段操作的發射器：帶外發射之有效等向輻射功率(EIRP) $\leq$ -27 dBm/MHz。

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

9.2 測試配置

如圖四所示。

9.3 測試儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
EMI Test Receiver	Rohde & Schwarz	ESU 40	2017/11/09	2018/11/08
Attenuator	WEINSCHEL ENGINEERING	AS3696	2018/01/02	2019/01/01

9.4 量測結果

測試日期 : Apr. 20, 2018
測試結果 : 合格

環境溫度 : 26°C

環境濕度 : 51 %
測試者 : 何仁逸

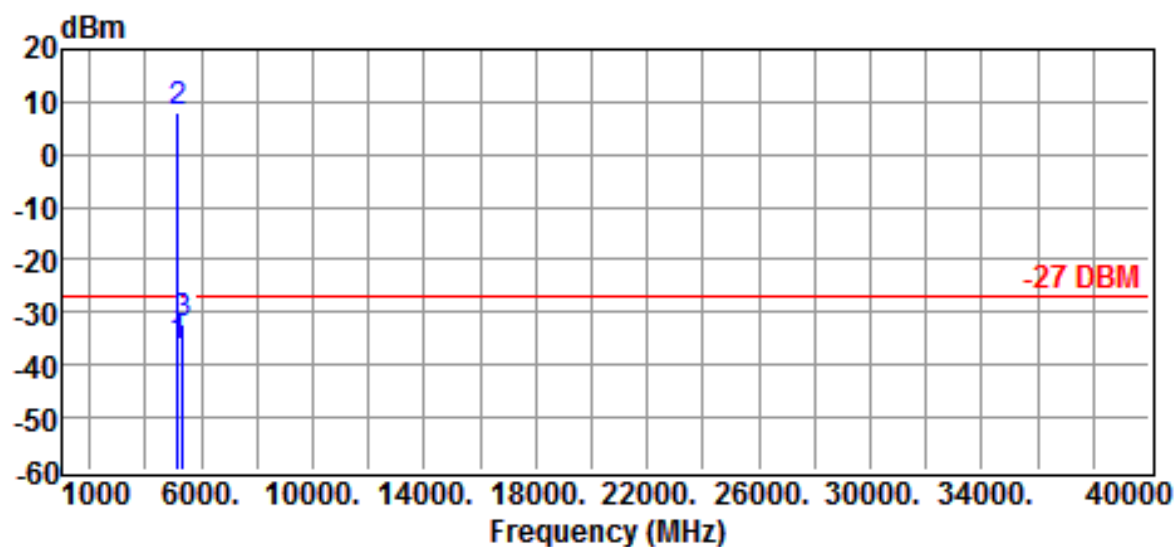
5.8GHz 頻帶

在5.725 GHz~5.850 GHz 頻段的所有頻帶邊緣向外5 MHz 內頻率之發射，有效等向輻射功率(EIRP) ≤ 27 dBm/MHz~15.6 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣向外5 MHz~25 MHz，有效等向輻射功率(EIRP) ≤ 15.6 dBm/MHz~10 dBm/MHz (以線性法計算對應之限制值)；所有頻帶邊緣外25 MHz~75 MHz，有效等向輻射功率(EIRP) ≤ 10 dBm/MHz~-27 dBm/MHz(以線性法計算對應之限制值)；所有頻帶邊緣外 ≥ 75 MHz 的頻率之發射，有效等向輻射功率(EIRP) ≤ -27 dBm/MHz，符合規定。

註：

1. 本實驗室開放邊緣頻帶檢驗之擴充不確定度 ± 2 dB。
2. 繪圖資料請參考下頁。

Mode: 5.2GHz(802.11a)B1 / Channel Low

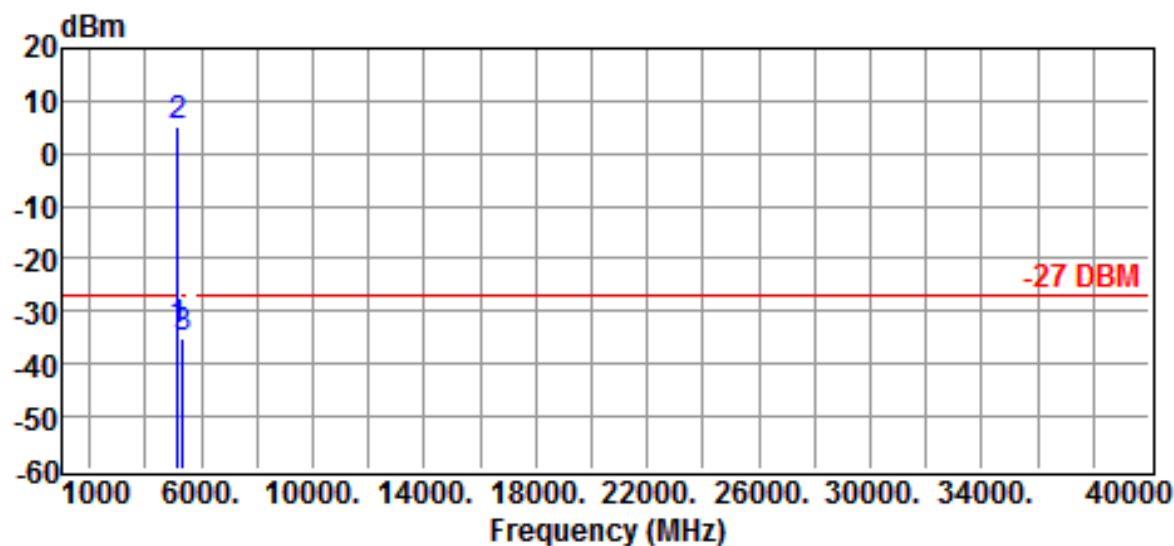


Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B1-5180		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	19.85	-56.49	-36.64	-27.00	-9.64	Peak
5180.0000	64.52	-56.43	8.09	----	----	Peak
5350.0000	23.91	-56.15	-32.24	-27.00	-5.24	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



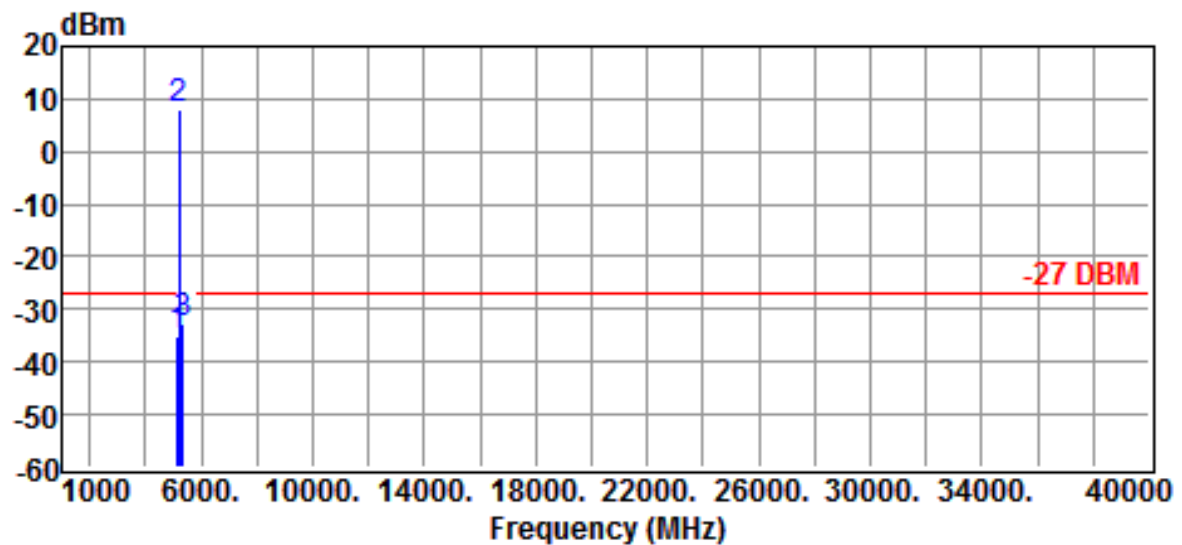
Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B1-5180		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5150.0000	22.71	-56.49	-33.78	-27.00	-6.78	Peak
5180.0000	61.53	-56.43	5.10	----	----	Peak
5350.0000	21.20	-56.15	-34.95	-27.00	-7.95	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11a)B1 / Channel Middle

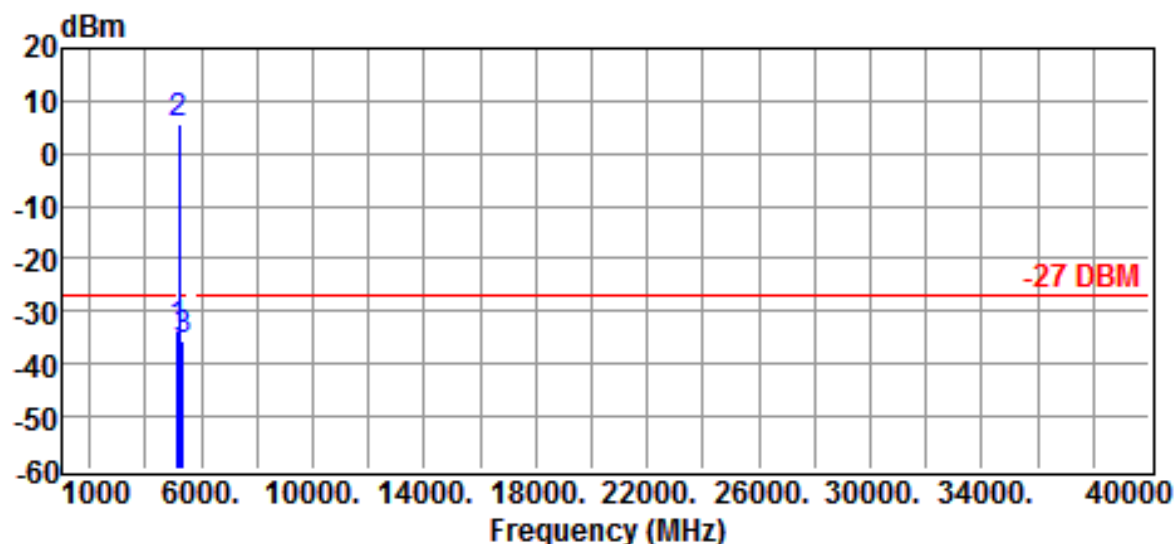


Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B1-5200		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.30	-56.49	-35.19	-27.00	-8.19	Peak
5200.0000	64.39	-56.40	7.99	----	----	Peak
5350.0000	23.60	-56.15	-32.55	-27.00	-5.55	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



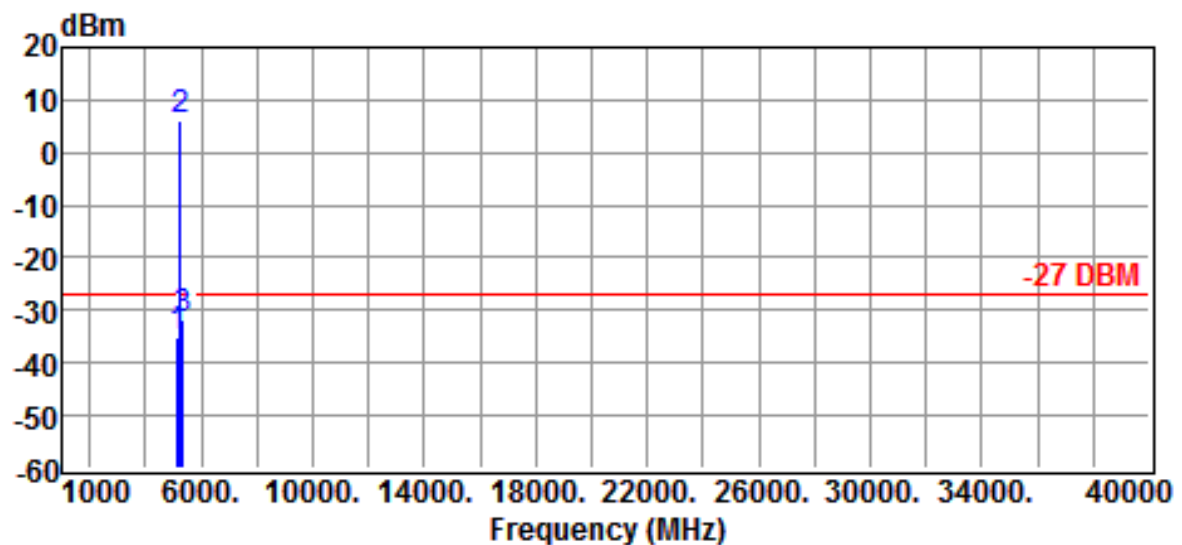
Site	:Chamber #2	Date	:2018-04-20
Limit	:-27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B1-5200		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5150.0000	22.72	-56.49	-33.77	-27.00	-6.77	Peak
5200.0000	62.06	-56.40	5.66	----	----	Peak
5350.0000	20.74	-56.15	-35.41	-27.00	-8.41	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11a) B1 / Channel High

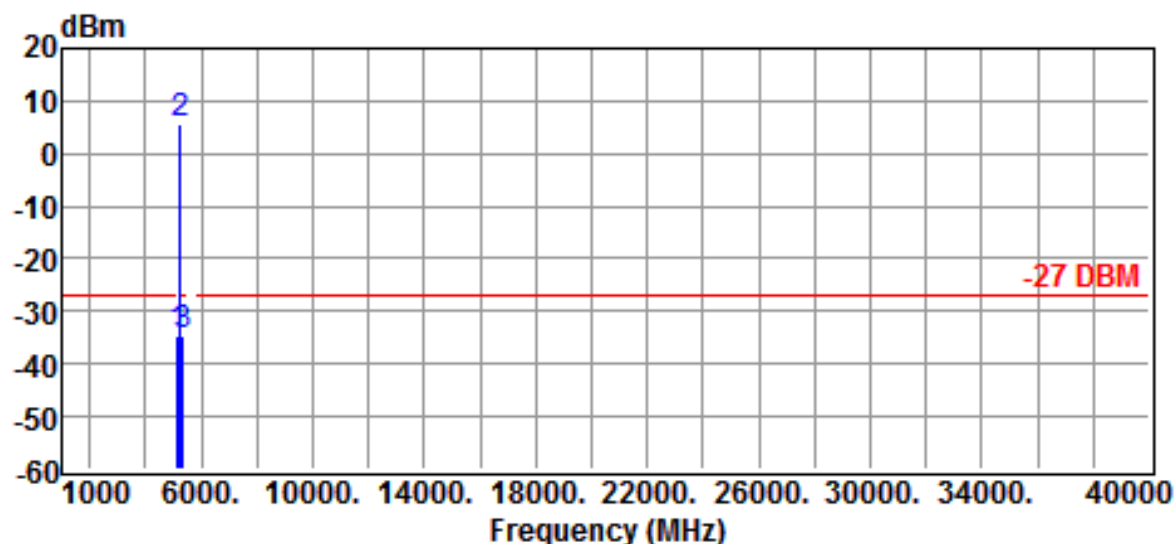


Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B1-5240		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5150.0000	21.21	-56.49	-35.28	-27.00	-8.28	Peak
5240.0000	62.42	-56.34	6.08	----	----	Peak
5350.0000	24.27	-56.15	-31.88	-27.00	-4.88	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



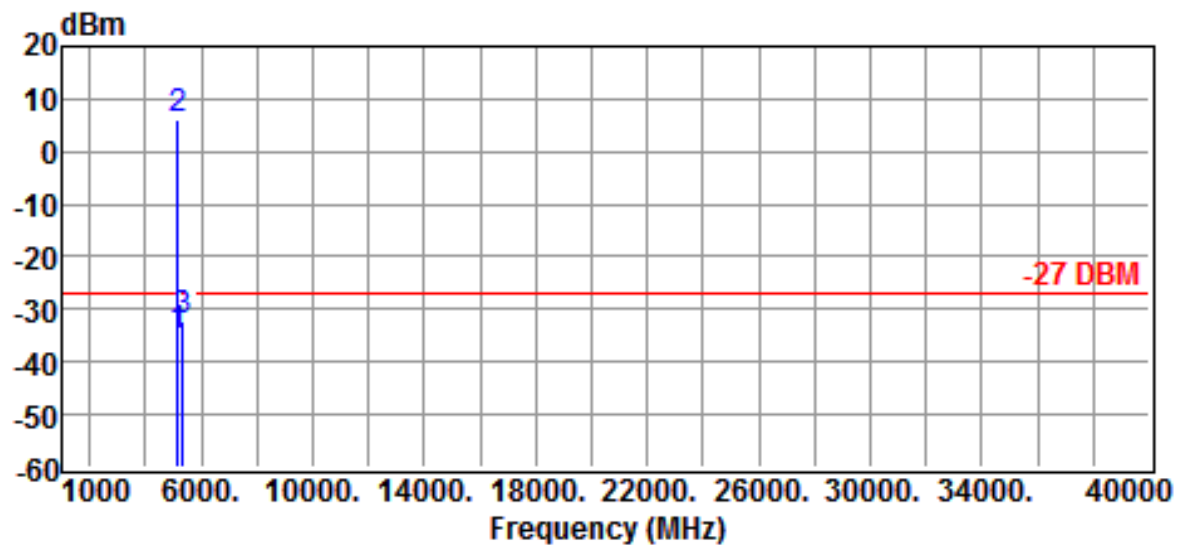
Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B1-5240		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5150.0000	21.95	-56.49	-34.54	-27.00	-7.54	Peak
5240.0000	62.20	-56.34	5.86	----	----	Peak
5350.0000	21.30	-56.15	-34.85	-27.00	-7.85	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -20) ANT1 / Channel Low

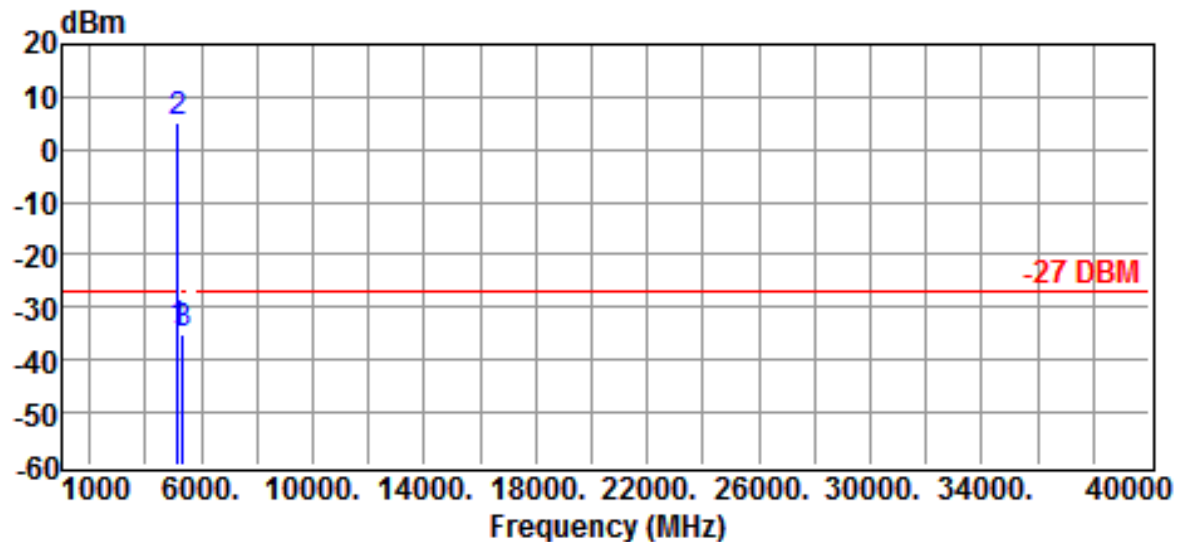


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5180		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.48	-56.49	-35.01	-27.00	-8.01	Peak
5180.0000	62.38	-56.43	5.95	----	----	Peak
5350.0000	24.04	-56.15	-32.11	-27.00	-5.11	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



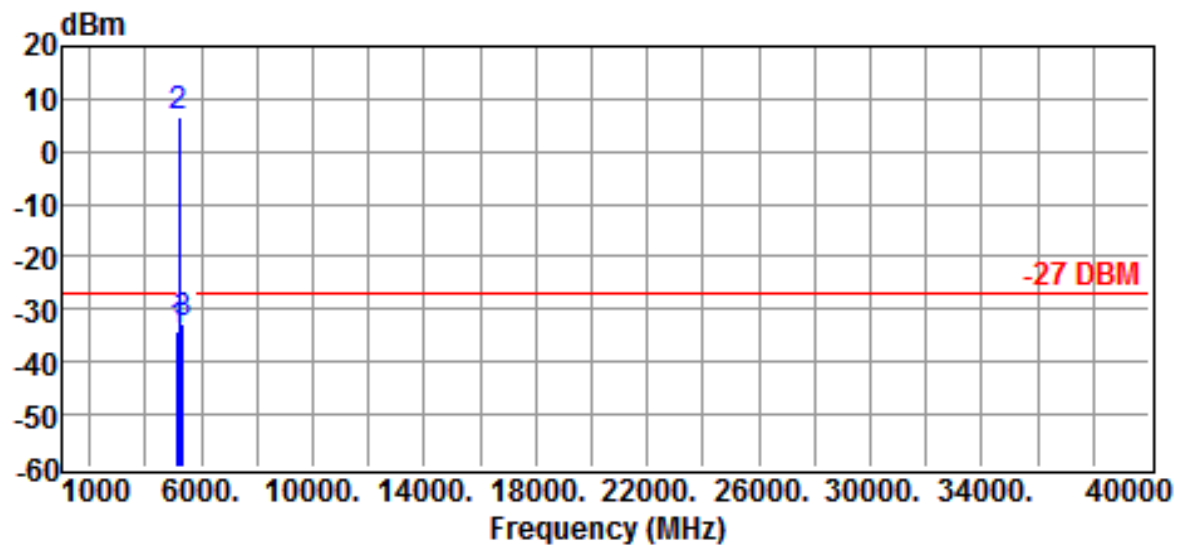
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5180		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.78	-56.49	-34.71	-27.00	-7.71	Peak
5180.0000	61.55	-56.43	5.12	----	----	Peak
5350.0000	20.96	-56.15	-35.19	-27.00	-8.19	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -20) ANT1 / Channel Middle

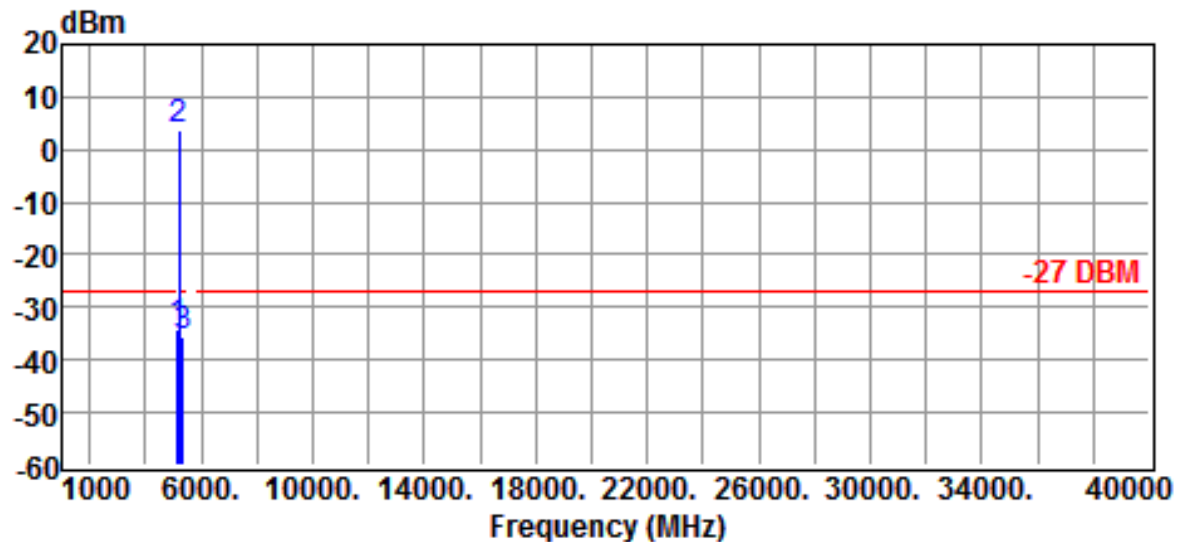


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5200		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.34	-56.49	-34.15	-27.00	-7.15	Peak
5200.0000	62.98	-56.40	6.58	----	----	Peak
5350.0000	23.53	-56.15	-32.62	-27.00	-5.62	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



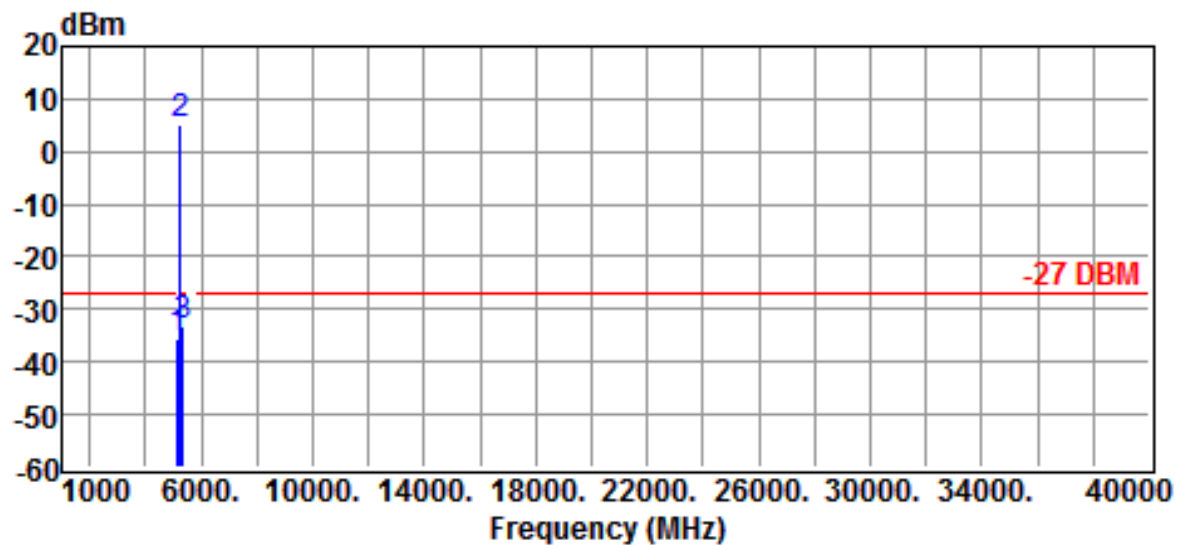
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	: VERTICAL
EUT	: 汽車音響	Model	: NTG6HIGH
Power Rating	: DC12V(Power from DC Supply)	Temp.	: 26 °C
Engineer	: Kazuma Ho	Humi.	: 52 %
Test Mode	: N/AC20-B1-5200		
Test Mode	: Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.24	-56.49	-34.25	-27.00	-7.25	Peak
5200.0000	59.93	-56.40	3.53	----	----	Peak
5350.0000	20.46	-56.15	-35.69	-27.00	-8.69	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -20) ANT1 / Channel High

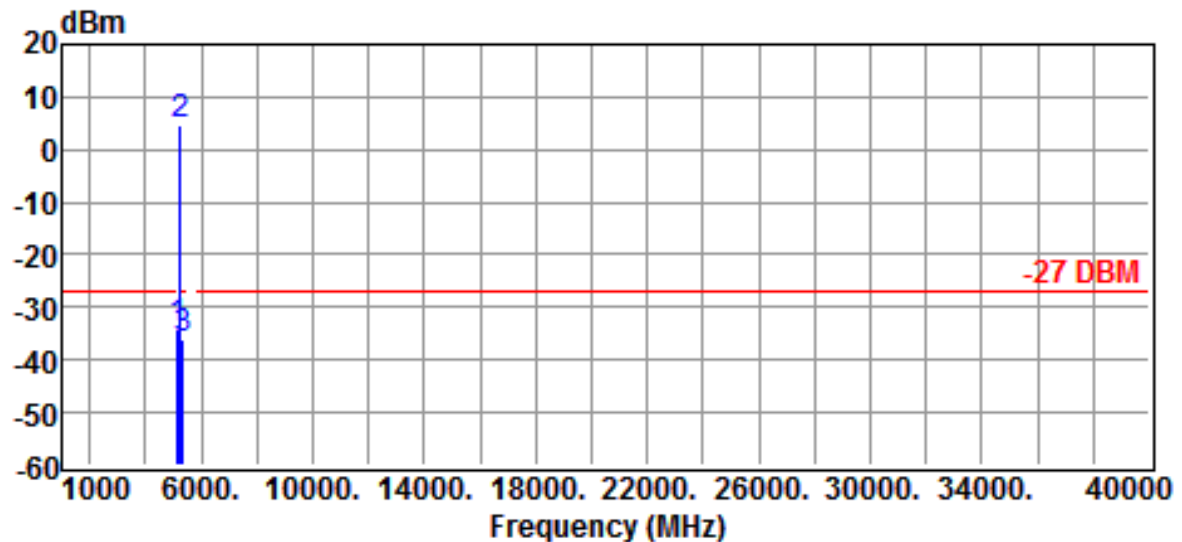


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5240		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.16	-56.49	-35.33	-27.00	-8.33	Peak
5240.0000	61.68	-56.34	5.34	----	----	Peak
5350.0000	23.09	-56.15	-33.06	-27.00	-6.06	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



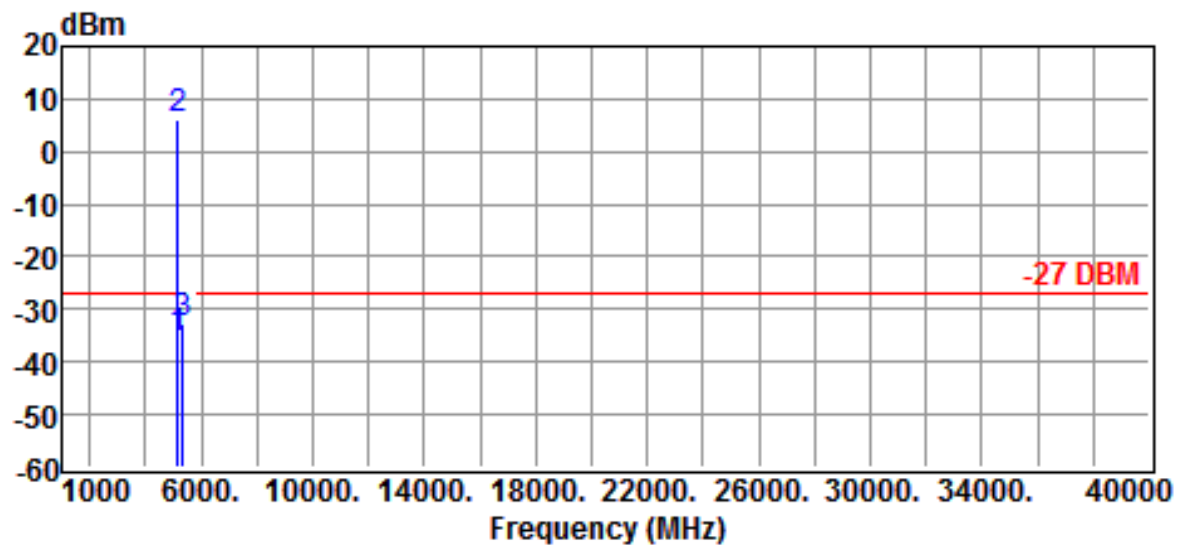
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5240		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.18	-56.49	-34.31	-27.00	-7.31	Peak
5240.0000	60.88	-56.34	4.54	----	----	Peak
5350.0000	19.97	-56.15	-36.18	-27.00	-9.18	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -20) ANT2 / Channel Low

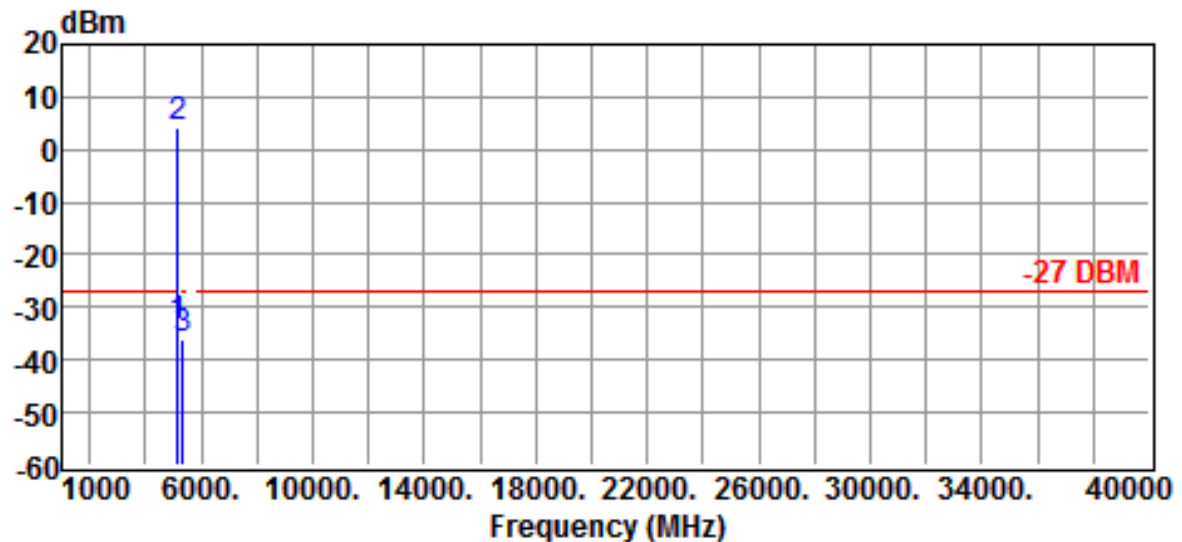


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5180		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	20.90	-56.49	-35.59	-27.00	-8.59	Peak
5180.0000	62.36	-56.43	5.93	----	----	Peak
5350.0000	23.42	-56.15	-32.73	-27.00	-5.73	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



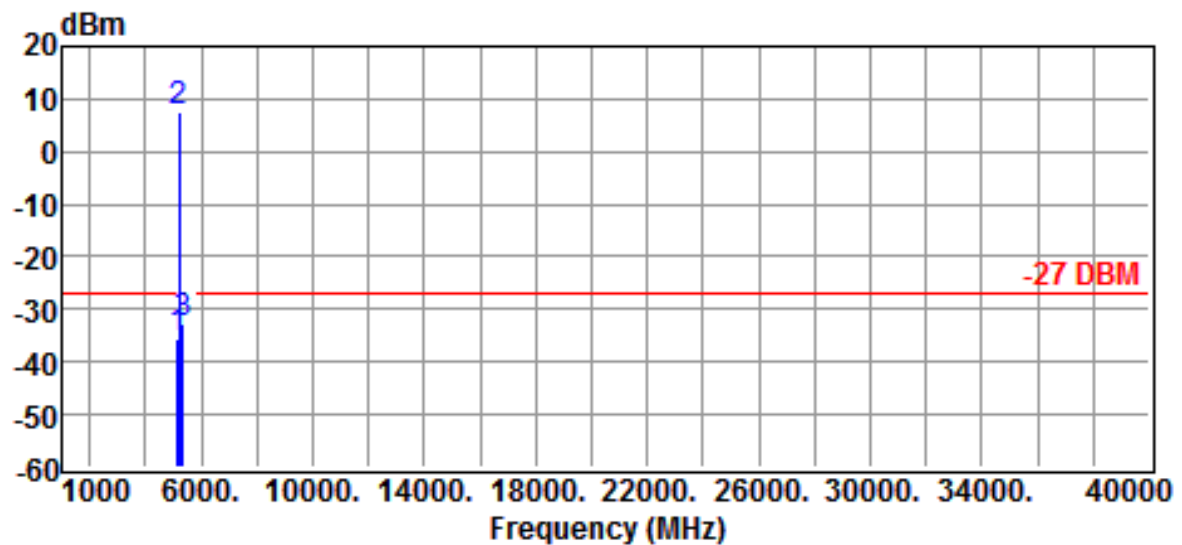
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5180		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.64	-56.49	-33.85	-27.00	-6.85	Peak
5180.0000	60.54	-56.43	4.11	----	----	Peak
5350.0000	20.18	-56.15	-35.97	-27.00	-8.97	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -20) ANT2 / Channel Middle

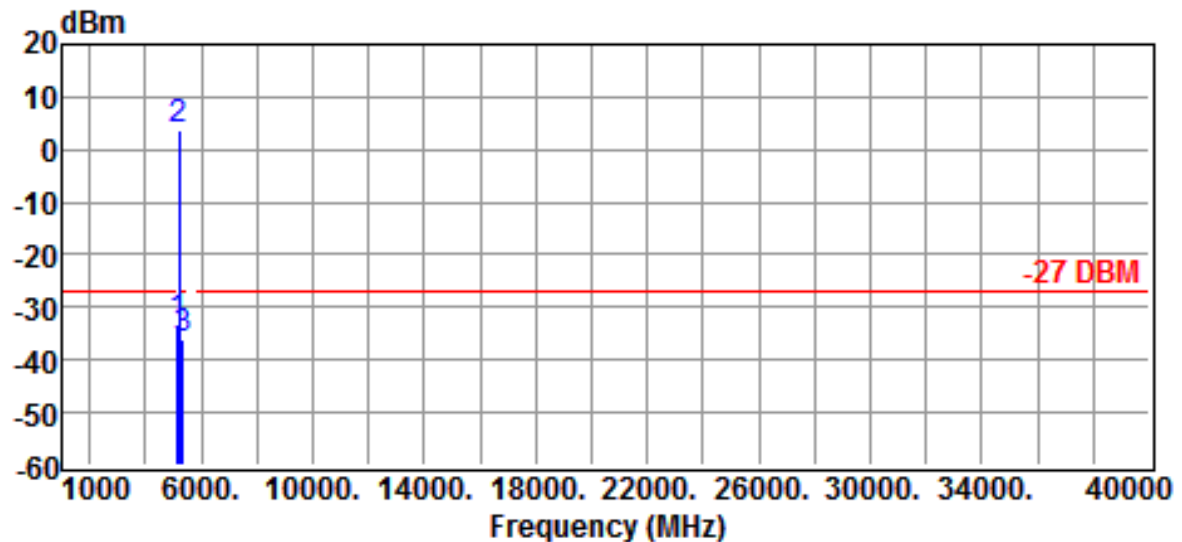


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5200		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	20.83	-56.49	-35.66	-27.00	-8.66	Peak
5200.0000	63.92	-56.40	7.52	----	----	Peak
5350.0000	23.47	-56.15	-32.68	-27.00	-5.68	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



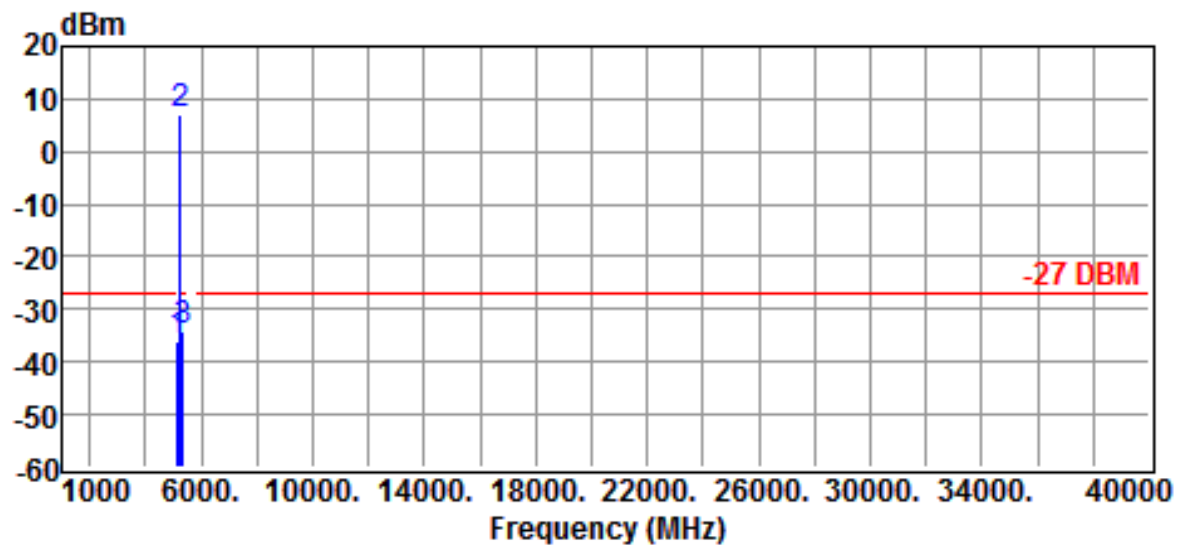
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5200		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	23.33	-56.49	-33.16	-27.00	-6.16	Peak
5200.0000	60.32	-56.40	3.92	----	----	Peak
5350.0000	19.95	-56.15	-36.20	-27.00	-9.20	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -20) ANT2 / Channel High

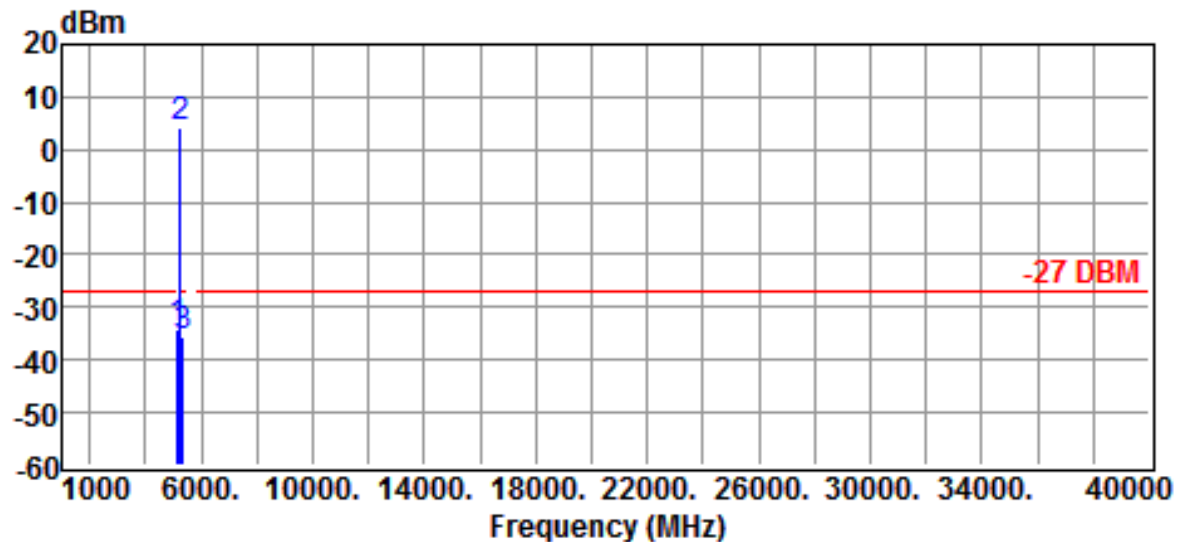


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5240		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	20.33	-56.49	-36.16	-27.00	-9.16	Peak
5240.0000	63.46	-56.34	7.12	----	----	Peak
5350.0000	22.19	-56.15	-33.96	-27.00	-6.96	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



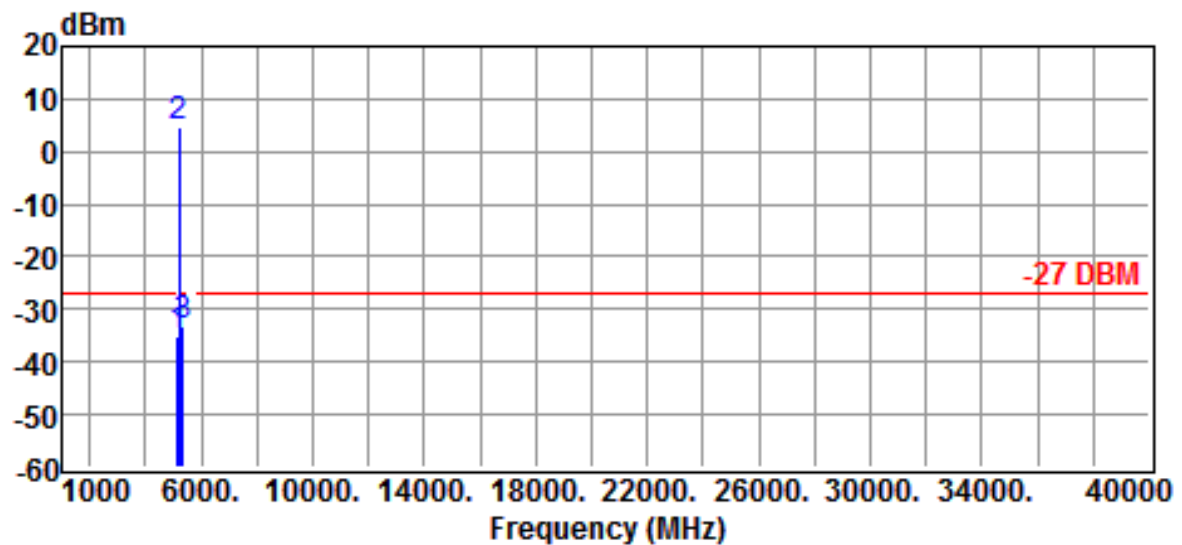
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B1-5240		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.47	-56.49	-34.02	-27.00	-7.02	Peak
5240.0000	60.72	-56.34	4.38	----	----	Peak
5350.0000	20.58	-56.15	-35.57	-27.00	-8.57	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -40) ANT1 / Channel Low

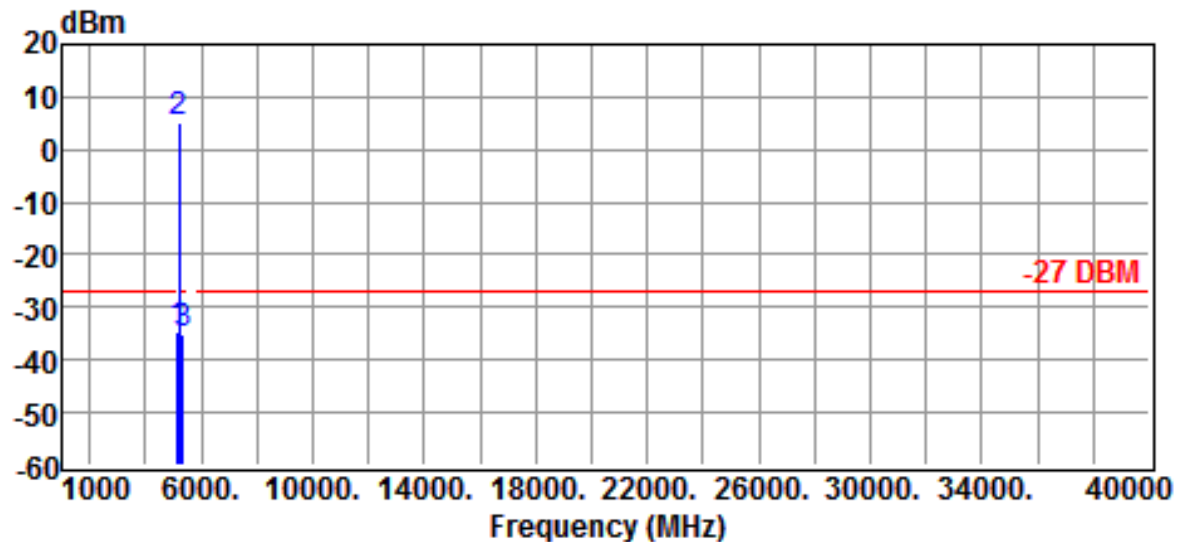


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5190		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.59	-56.49	-34.90	-27.00	-7.90	Peak
5190.0000	60.90	-56.43	4.47	----	----	Peak
5350.0000	22.86	-56.15	-33.29	-27.00	-6.29	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



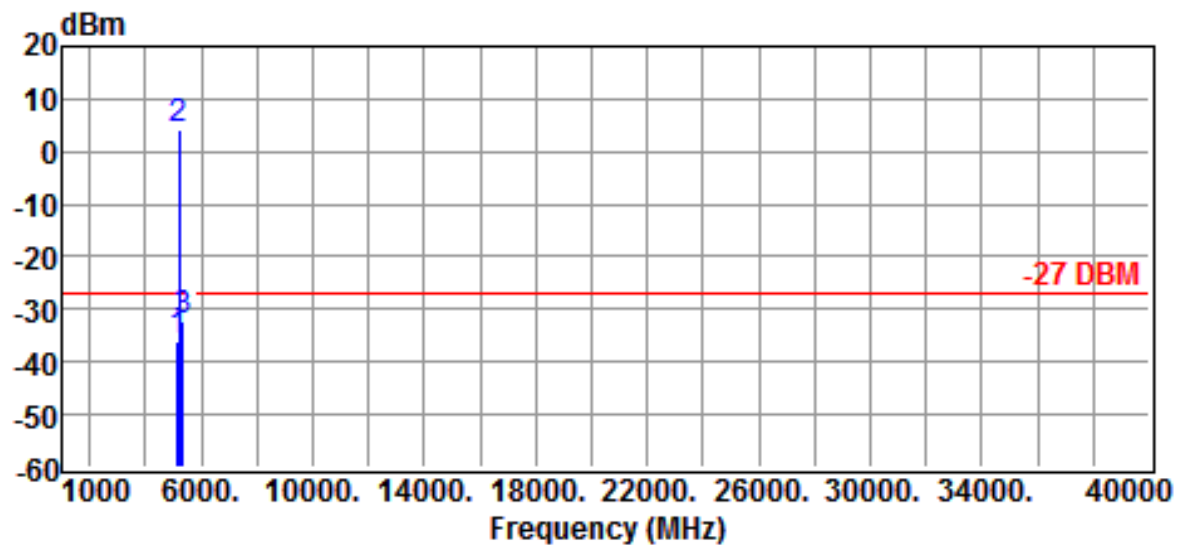
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5190		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.06	-56.49	-34.43	-27.00	-7.43	Peak
5190.0000	61.43	-56.43	5.00	----	----	Peak
5350.0000	21.26	-56.15	-34.89	-27.00	-7.89	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -40) ANT1 / Channel High

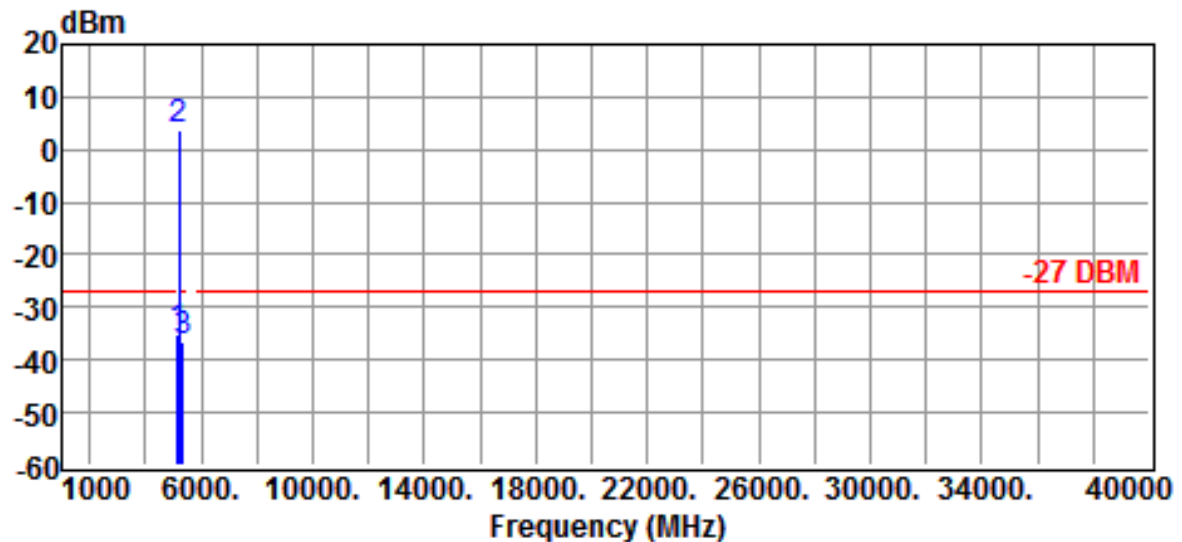


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5230		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	20.37	-56.49	-36.12	-27.00	-9.12	Peak
5230.0000	60.68	-56.35	4.33	----	----	Peak
5350.0000	23.96	-56.15	-32.19	-27.00	-5.19	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



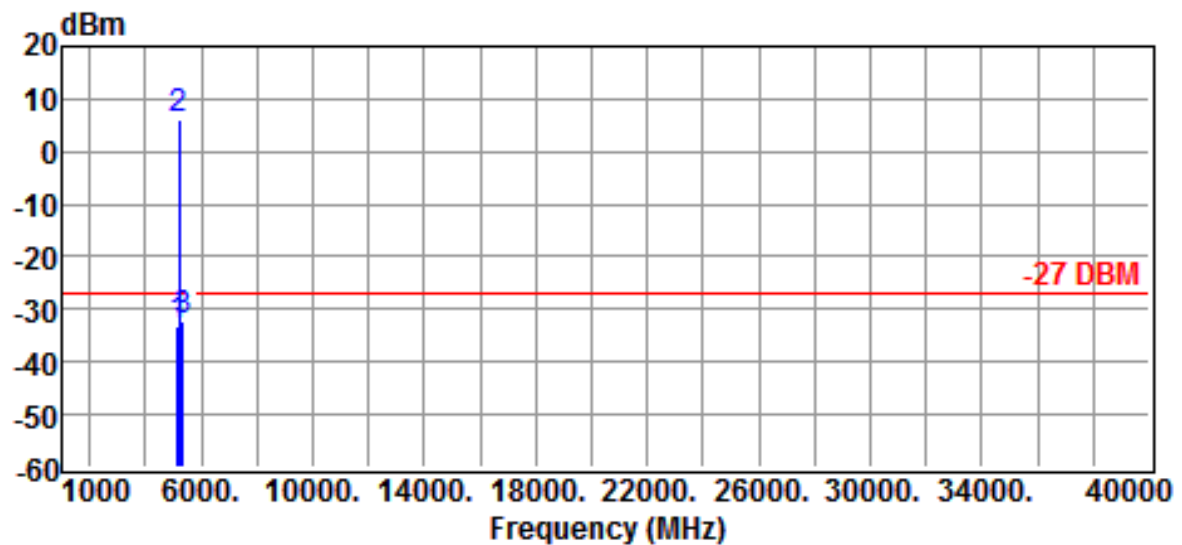
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5230		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.55	-56.49	-34.94	-27.00	-7.94	Peak
5230.0000	60.12	-56.35	3.77	----	----	Peak
5350.0000	19.65	-56.15	-36.50	-27.00	-9.50	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -40) ANT2 / Channel Low

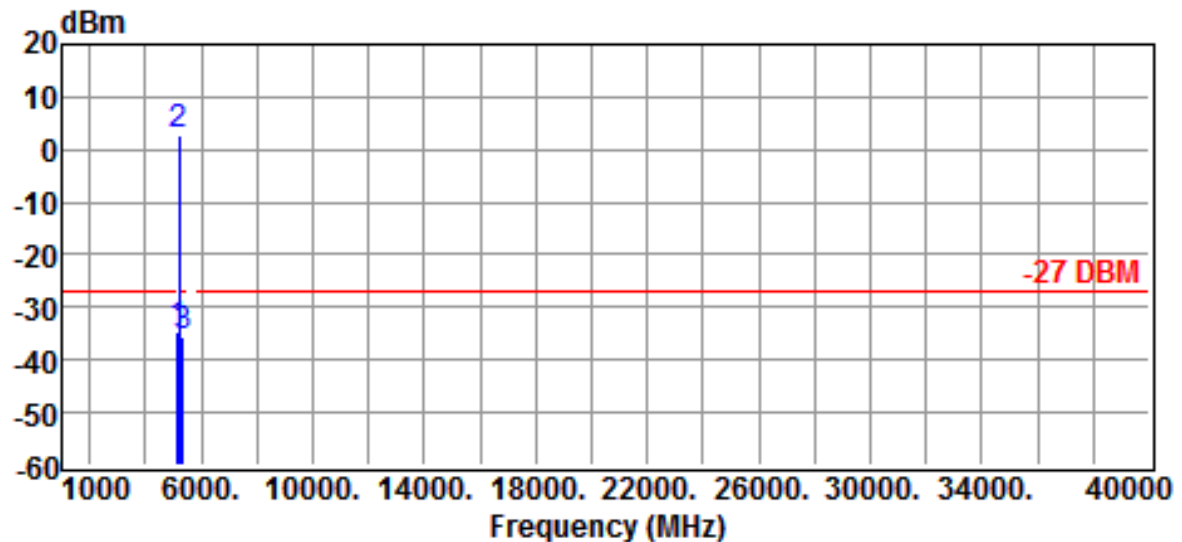


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5190		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	23.18	-56.49	-33.31	-27.00	-6.31	Peak
5190.0000	62.70	-56.43	6.27	----	----	Peak
5350.0000	24.14	-56.15	-32.01	-27.00	-5.01	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



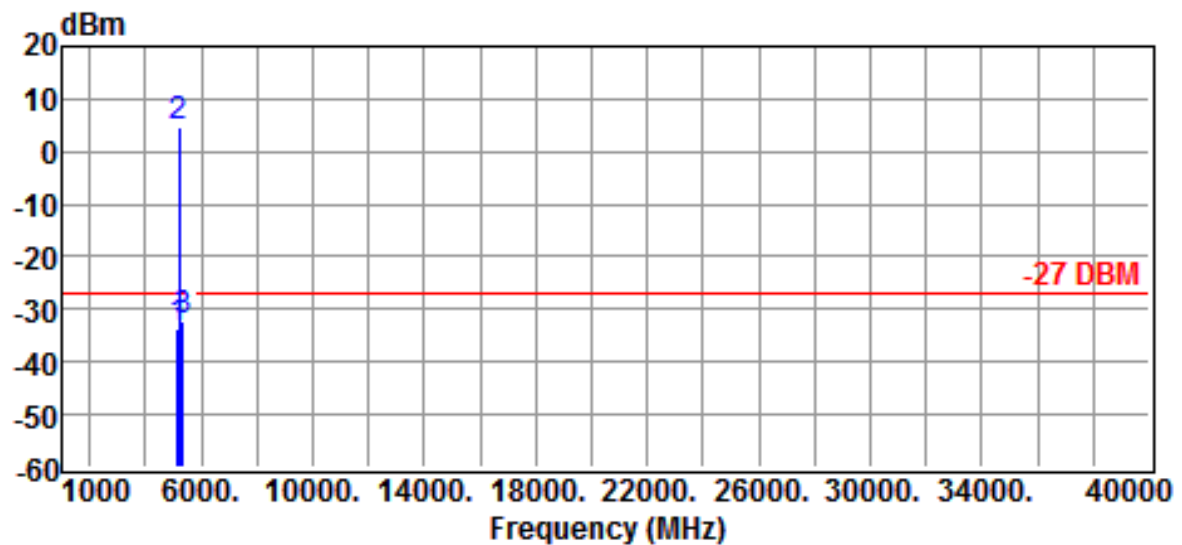
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5190		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.96	-56.49	-34.53	-27.00	-7.53	Peak
5190.0000	59.21	-56.43	2.78	----	----	Peak
5350.0000	20.44	-56.15	-35.71	-27.00	-8.71	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11n/ac -40) ANT2 / Channel High

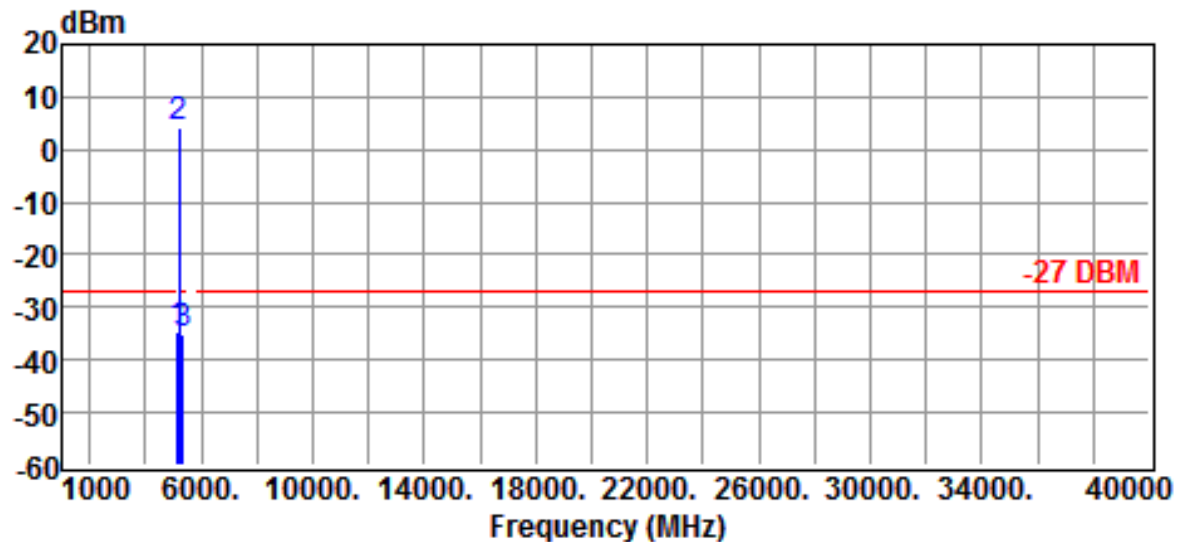


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5230		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.84	-56.49	-33.65	-27.00	-6.65	Peak
5230.0000	61.00	-56.35	4.65	----	----	Peak
5350.0000	23.80	-56.15	-32.35	-27.00	-5.35	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



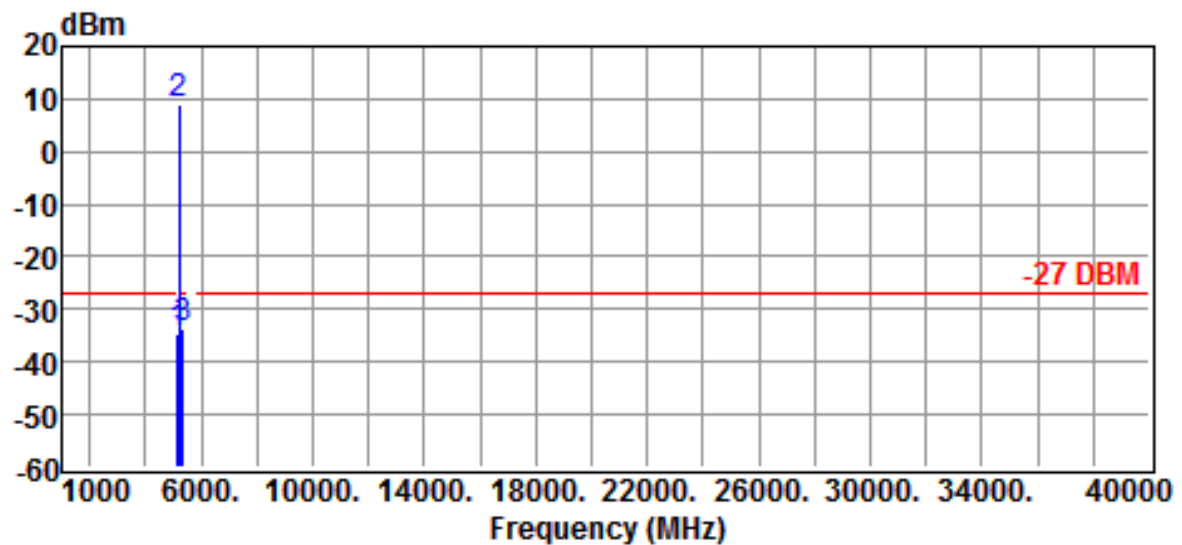
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B1-5230		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	22.00	-56.49	-34.49	-27.00	-7.49	Peak
5230.0000	60.52	-56.35	4.17	----	----	Peak
5350.0000	21.17	-56.15	-34.98	-27.00	-7.98	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11ac -80) ANT1

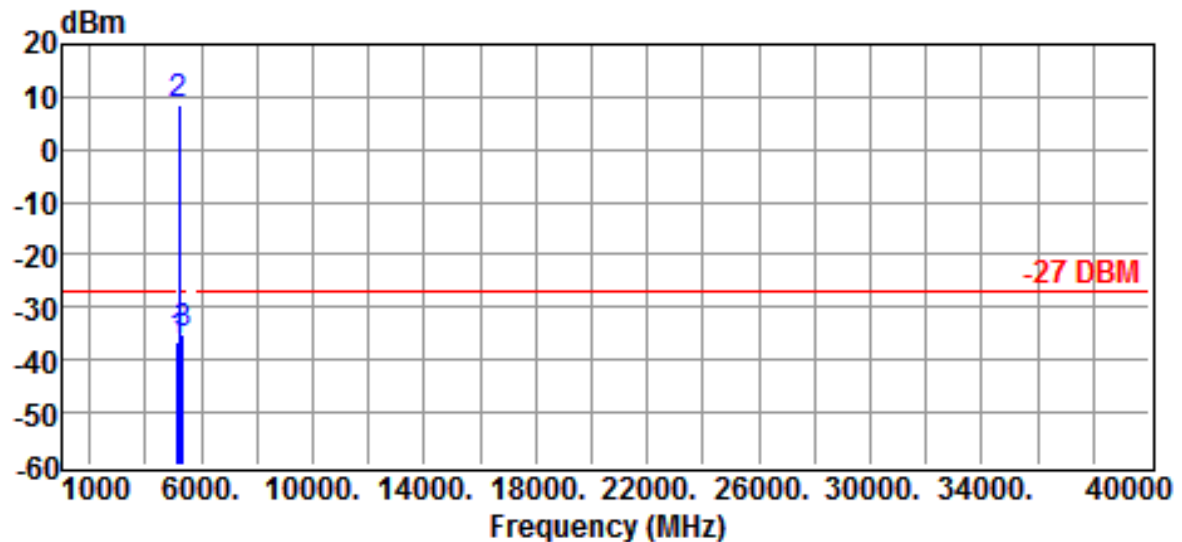


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B1-5210		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.84	-56.49	-34.65	-27.00	-7.65	Peak
5210.0000	65.42	-56.38	9.04	----	----	Peak
5350.0000	22.59	-56.15	-33.56	-27.00	-6.56	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



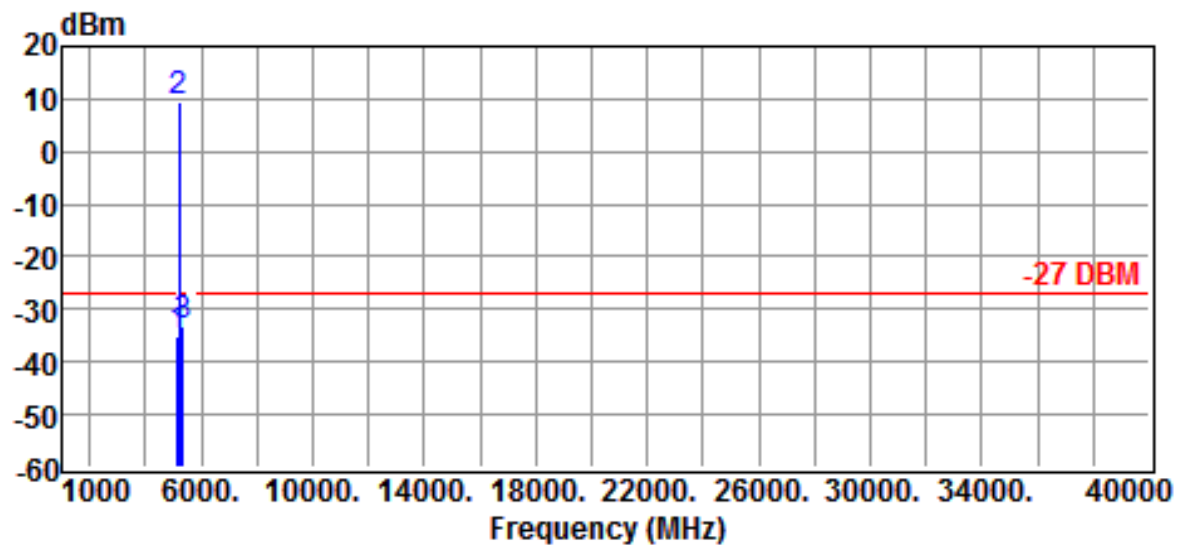
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B1-5210		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	20.16	-56.49	-36.33	-27.00	-9.33	Peak
5210.0000	64.73	-56.38	8.35	----	----	Peak
5350.0000	21.02	-56.15	-35.13	-27.00	-8.13	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.2GHz(802.11ac -80) ANT2

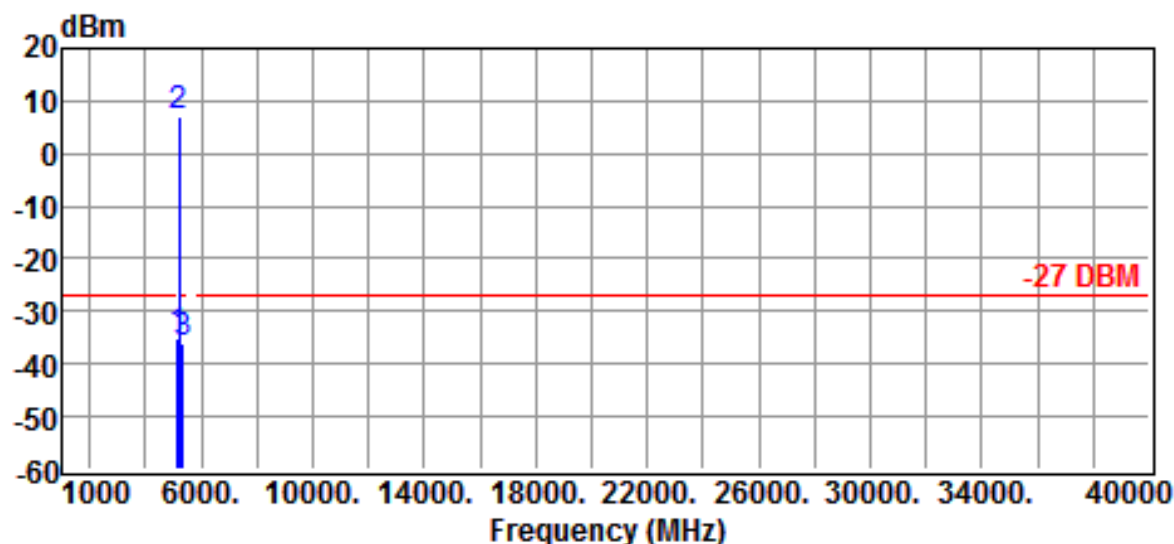


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B1-5210		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.30	-56.49	-35.19	-27.00	-8.19	Peak
5210.0000	65.99	-56.38	9.61	----	----	Peak
5350.0000	23.05	-56.15	-33.10	-27.00	-6.10	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



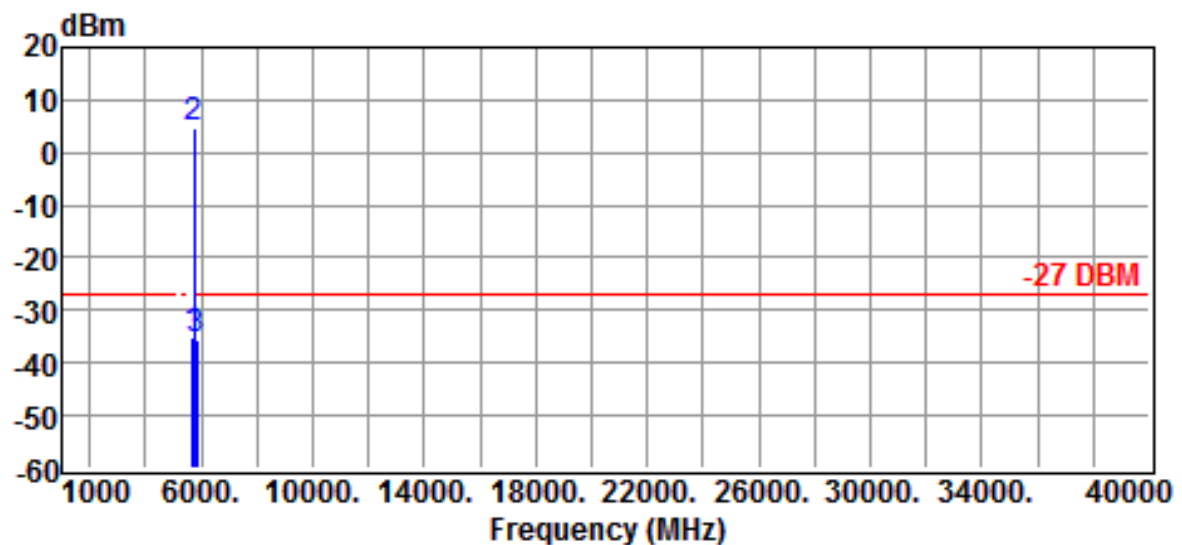
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B1-5210		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5150.0000	21.47	-56.49	-35.02	-27.00	-8.02	Peak
5210.0000	63.65	-56.38	7.27	----	----	Peak
5350.0000	19.90	-56.15	-36.25	-27.00	-9.25	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11a) / Channel Low

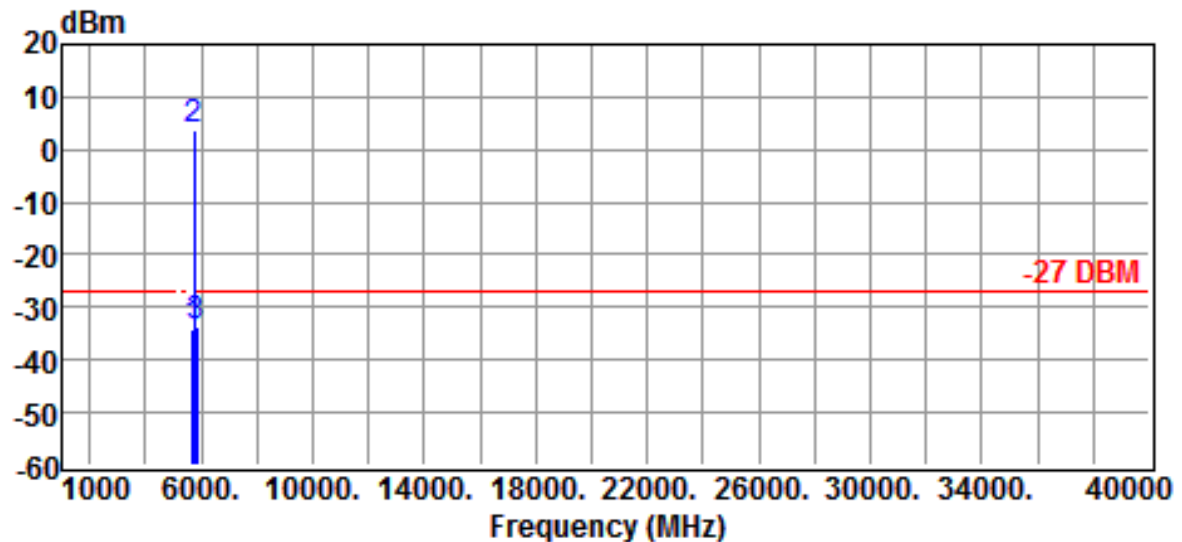


Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B4-5745		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.66	-55.67	-35.01	-27.00	-8.01	Peak
5745.0000	60.28	-55.65	4.63	----	----	Peak
5850.0000	20.20	-55.54	-35.34	-27.00	-8.34	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



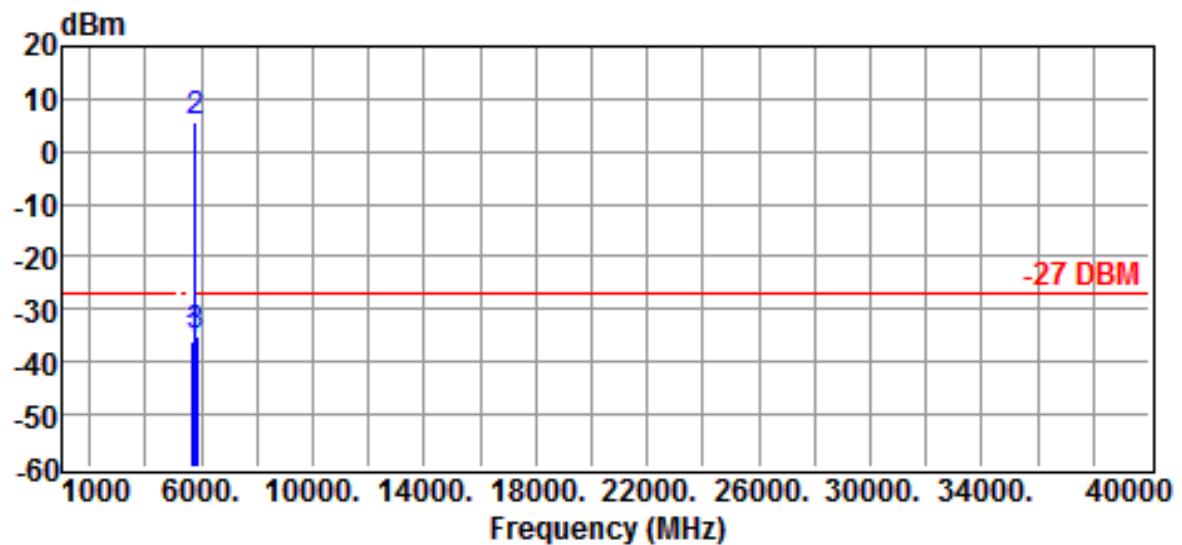
Site	:Chamber #2	Date	:2018-04-20
Limit	:-27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B4-5745		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5725.0000	21.55	-55.67	-34.12	-27.00	-7.12	Peak
5745.0000	59.17	-55.65	3.52	----	----	Peak
5850.0000	22.02	-55.54	-33.52	-27.00	-6.52	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11a) / Channel Middle

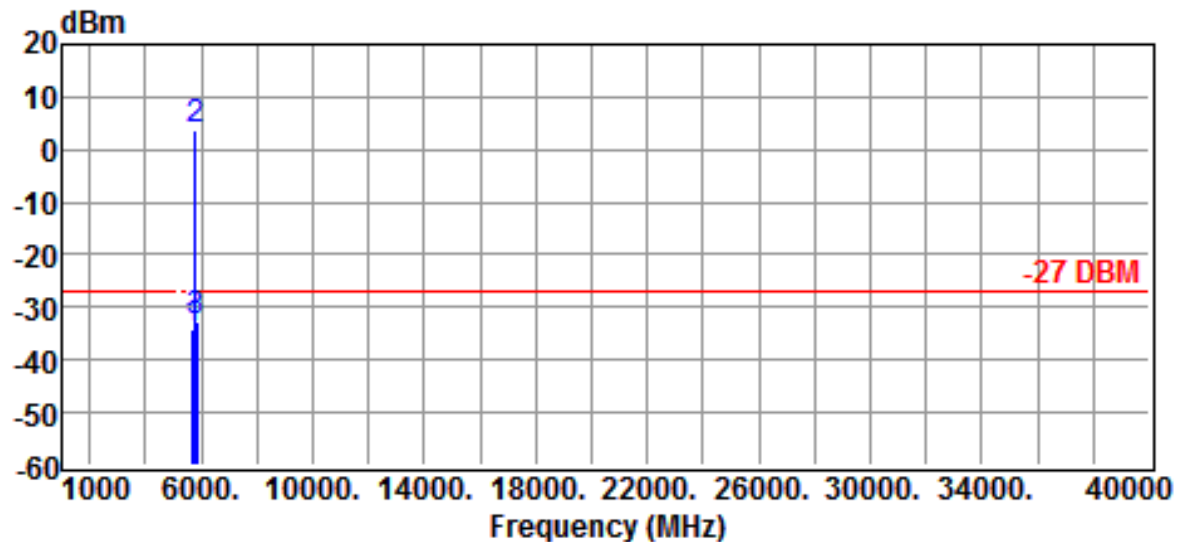


Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B4-5785		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5725.0000	19.78	-55.67	-35.89	-27.00	-8.89	Peak
5785.0000	61.18	-55.60	5.58	----	----	Peak
5850.0000	20.35	-55.54	-35.19	-27.00	-8.19	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



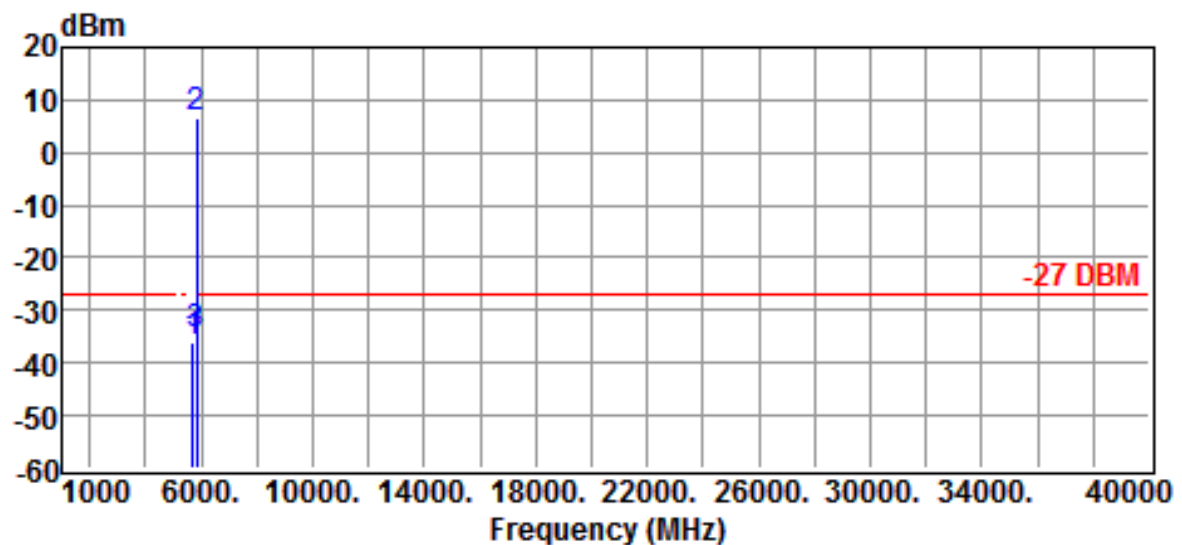
Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B4-5785		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5725.0000	21.64	-55.67	-34.03	-27.00	-7.03	Peak
5785.0000	59.13	-55.60	3.53	----	----	Peak
5850.0000	22.95	-55.54	-32.59	-27.00	-5.59	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11a) / Channel High

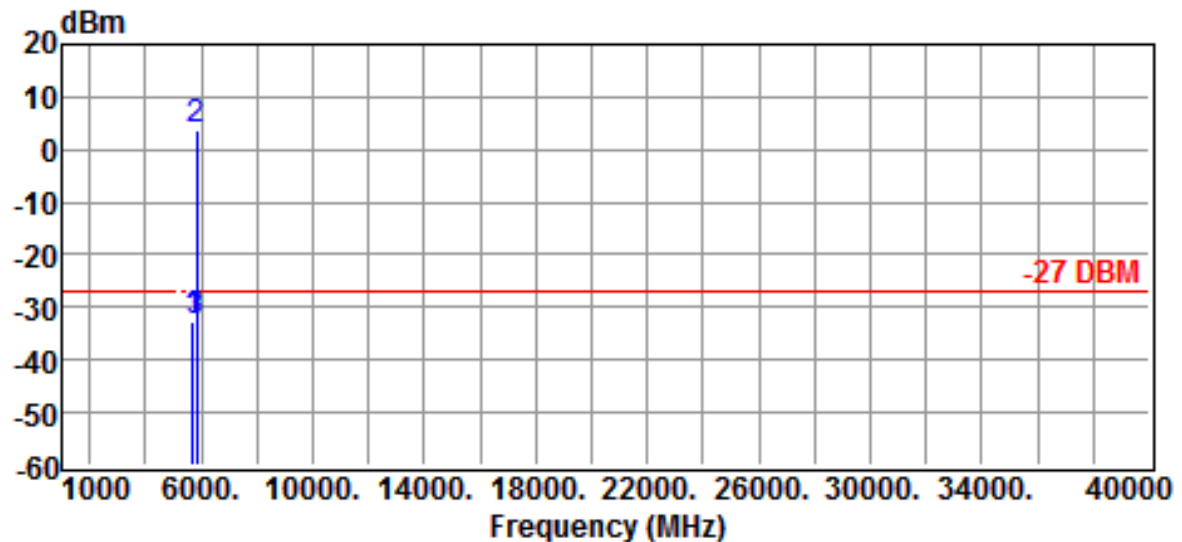


Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B4-5825		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5725.0000	19.56	-55.67	-36.11	-27.00	-9.11	Peak
5825.0000	61.93	-55.56	6.37	----	----	Peak
5850.0000	21.02	-55.54	-34.52	-27.00	-7.52	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



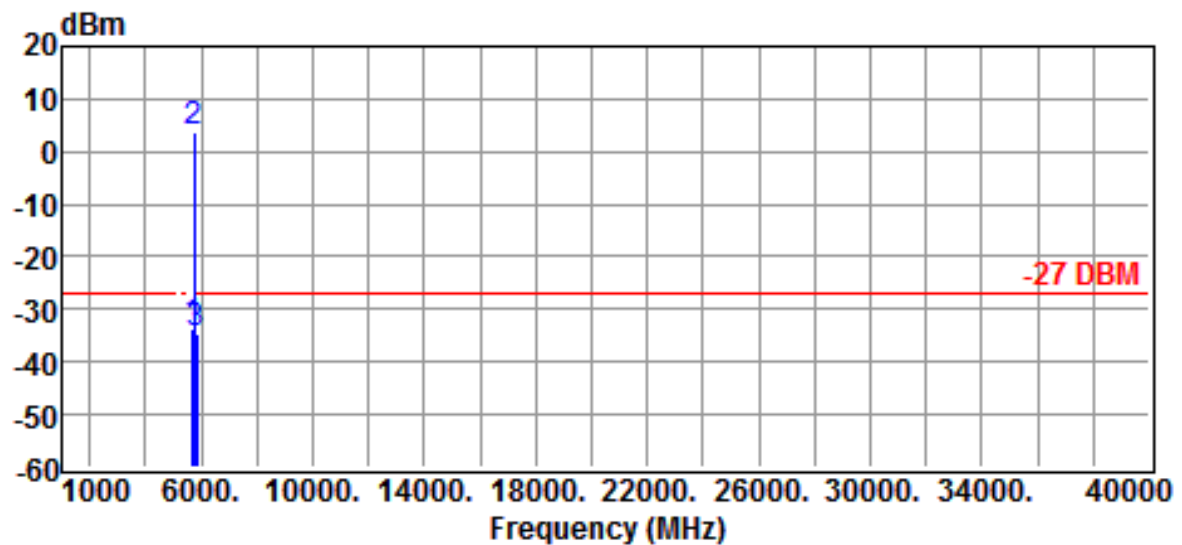
Site	:Chamber #2	Date	:2018-04-20
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:51 %
Test Mode	:A20-B4-5825		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5725.0000	22.84	-55.67	-32.83	-27.00	-5.83	Peak
5825.0000	59.37	-55.56	3.81	----	----	Peak
5850.0000	22.82	-55.54	-32.72	-27.00	-5.72	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -20) ANT1 / Channel Low

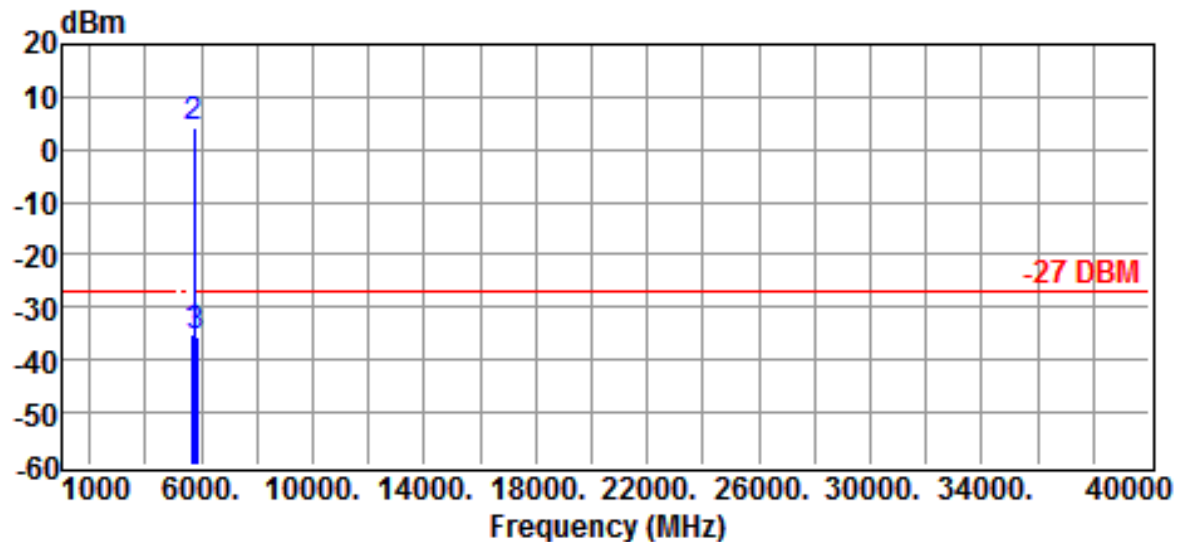


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5745		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	21.95	-55.67	-33.72	-27.00	-6.72	Peak
5745.0000	59.35	-55.65	3.70	----	----	Peak
5850.0000	21.03	-55.54	-34.51	-27.00	-7.51	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



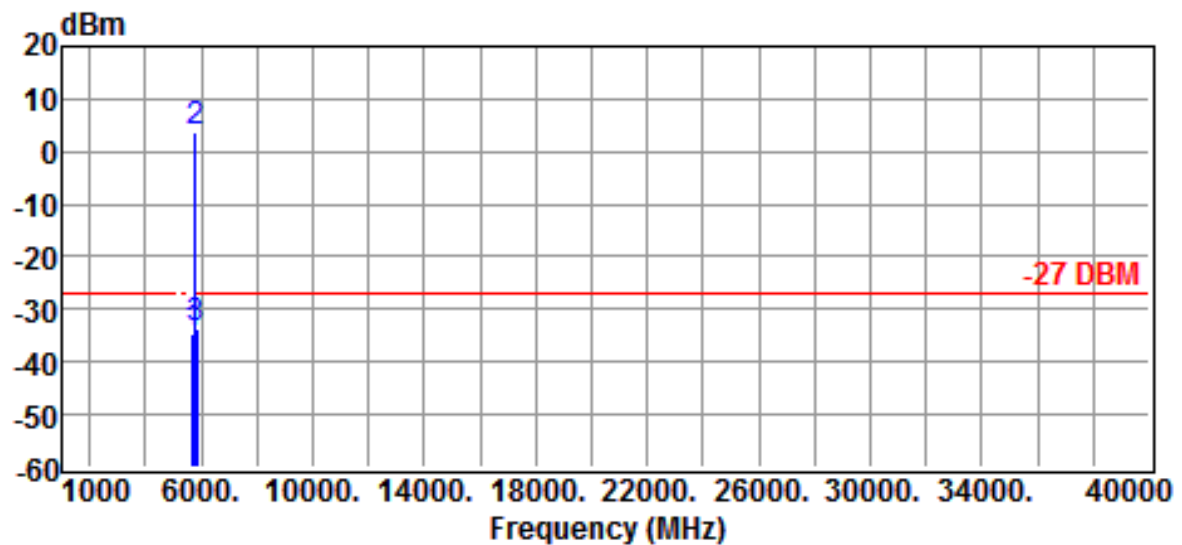
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5745		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.55	-55.67	-35.12	-27.00	-8.12	Peak
5745.0000	59.85	-55.65	4.20	----	----	Peak
5850.0000	20.00	-55.54	-35.54	-27.00	-8.54	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -20) ANT1 / Channel Middle

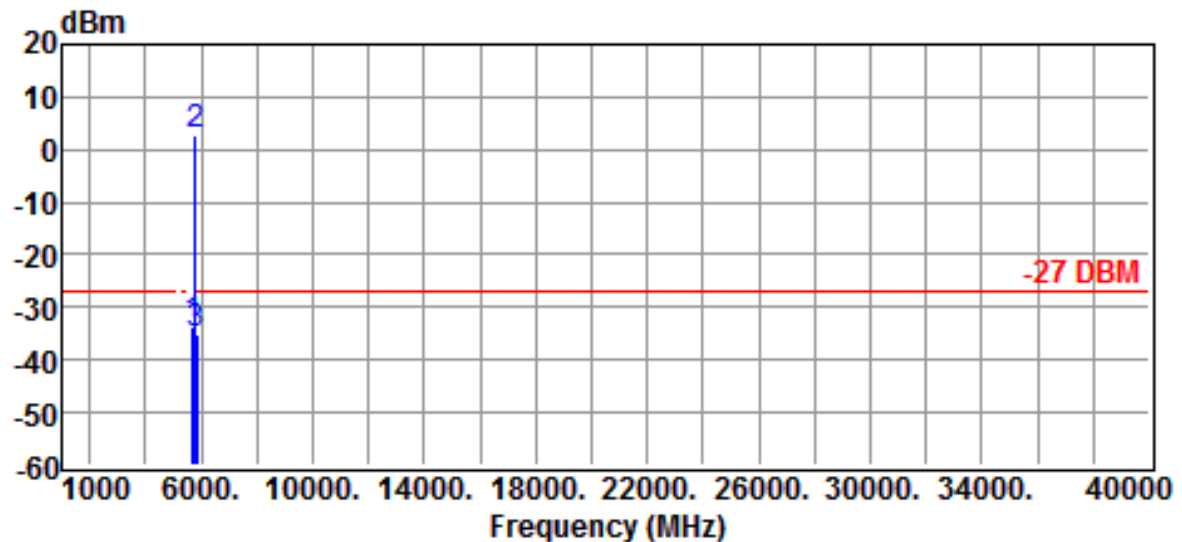


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5785		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	21.02	-55.67	-34.65	-27.00	-7.65	Peak
5785.0000	59.42	-55.60	3.82	----	----	Peak
5850.0000	21.83	-55.54	-33.71	-27.00	-6.71	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



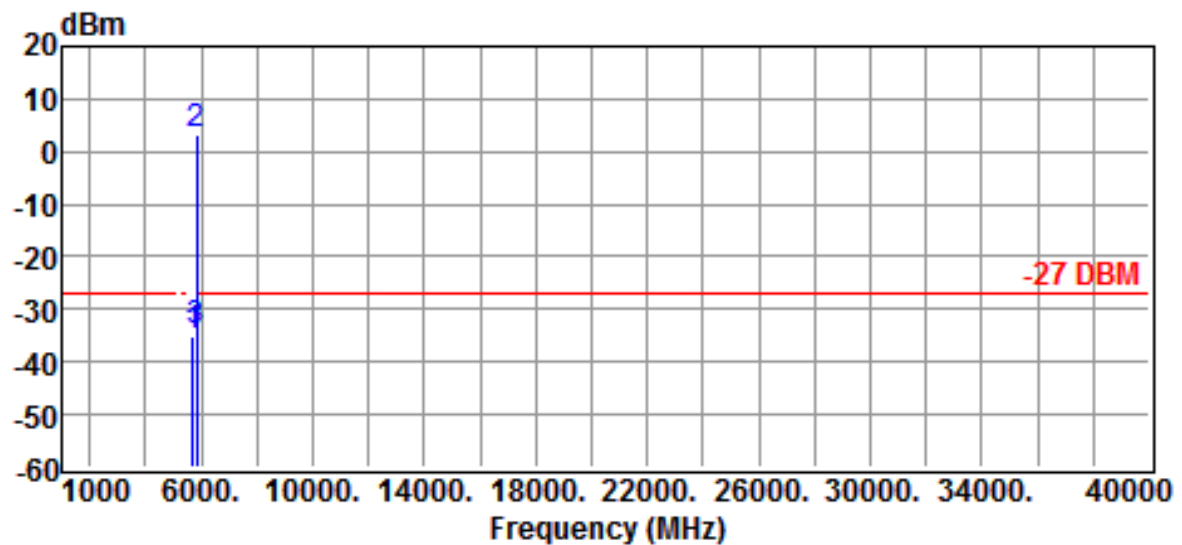
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5785		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	22.06	-55.67	-33.61	-27.00	-6.61	Peak
5785.0000	58.49	-55.60	2.89	----	----	Peak
5850.0000	20.63	-55.54	-34.91	-27.00	-7.91	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -20) ANT1 / Channel High

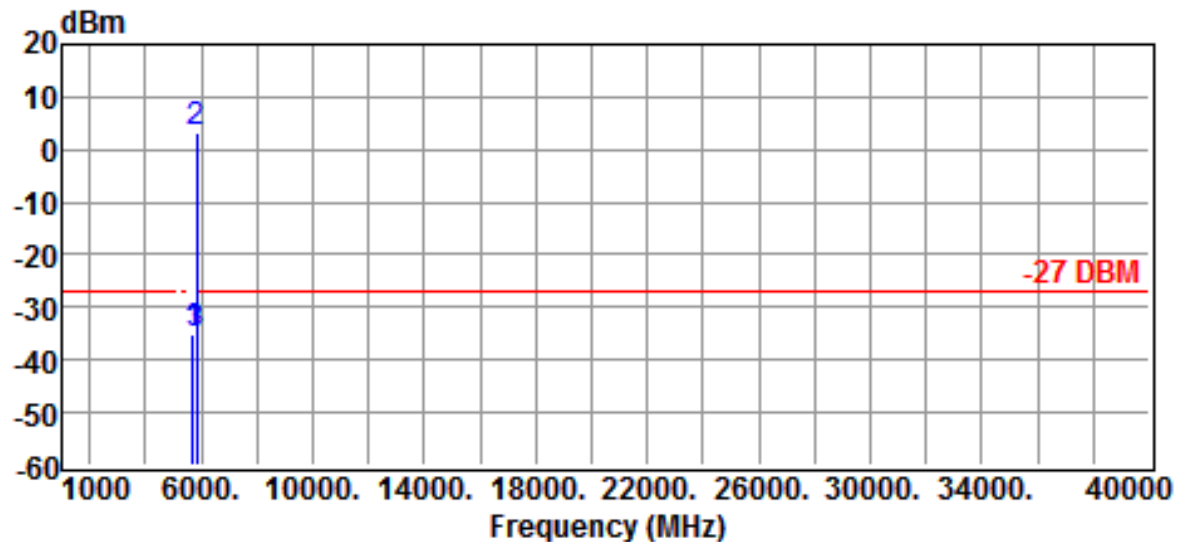


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5825		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.72	-55.67	-34.95	-27.00	-7.95	Peak
5825.0000	58.91	-55.56	3.35	----	----	Peak
5850.0000	21.48	-55.54	-34.06	-27.00	-7.06	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



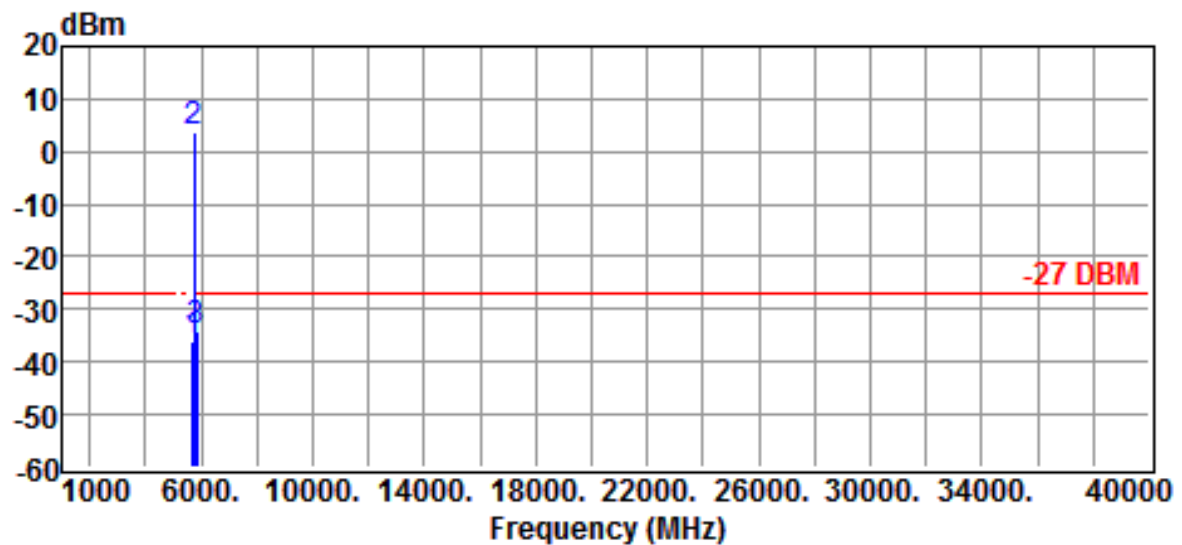
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5825		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.69	-55.67	-34.98	-27.00	-7.98	Peak
5825.0000	58.70	-55.56	3.14	----	----	Peak
5850.0000	20.33	-55.54	-35.21	-27.00	-8.21	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -20) ANT2 / Channel Low

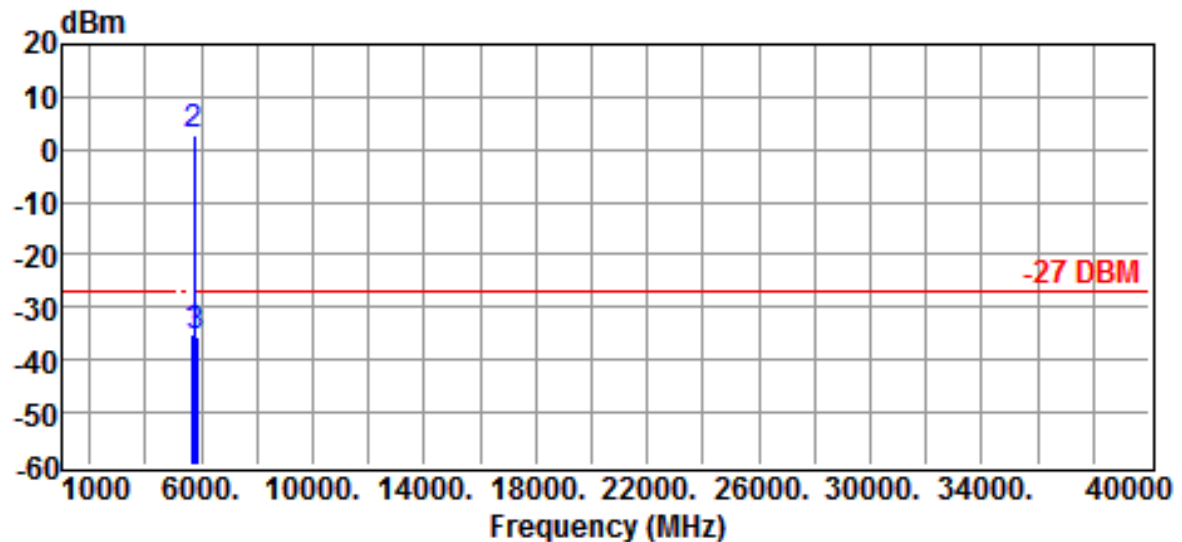


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5745		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	19.76	-55.67	-35.91	-27.00	-8.91	Peak
5745.0000	59.14	-55.65	3.49	----	----	Peak
5850.0000	21.54	-55.54	-34.00	-27.00	-7.00	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



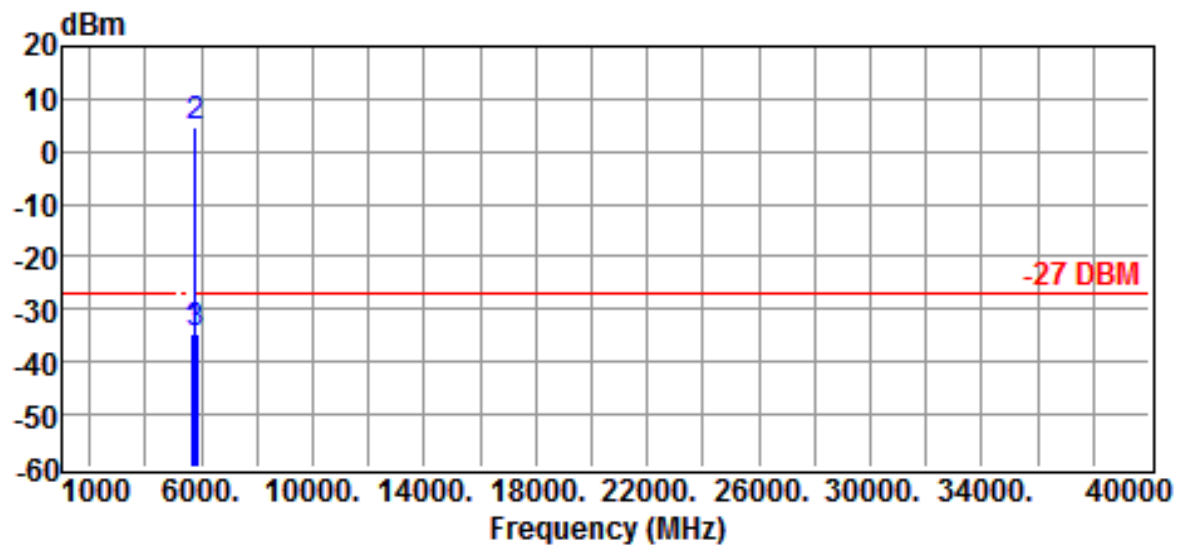
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5745		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.57	-55.67	-35.10	-27.00	-8.10	Peak
5745.0000	58.63	-55.65	2.98	----	----	Peak
5850.0000	19.99	-55.54	-35.55	-27.00	-8.55	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -20) ANT2 / Channel Middle

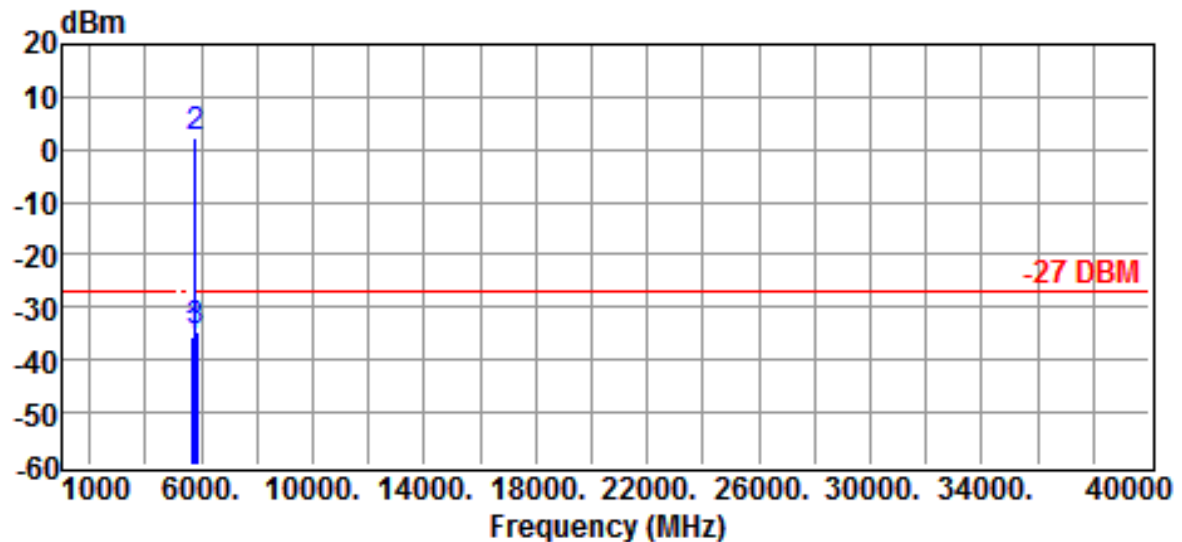


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5785		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	21.04	-55.67	-34.63	-27.00	-7.63	Peak
5785.0000	60.18	-55.60	4.58	----	----	Peak
5850.0000	21.00	-55.54	-34.54	-27.00	-7.54	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



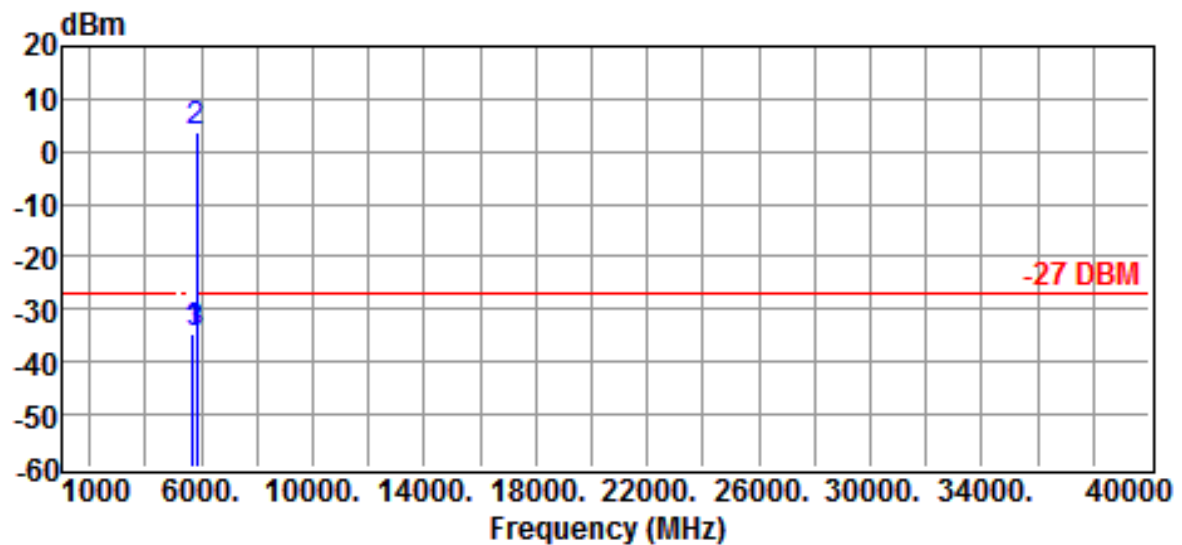
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	:	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5785		
Test Mode	:Ant 2		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5725.0000	20.15	-55.67	-35.52	-27.00	-8.52	Peak
5785.0000	57.98	-55.60	2.38	----	----	Peak
5850.0000	21.00	-55.54	-34.54	-27.00	-7.54	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -20) ANT2 / Channel High

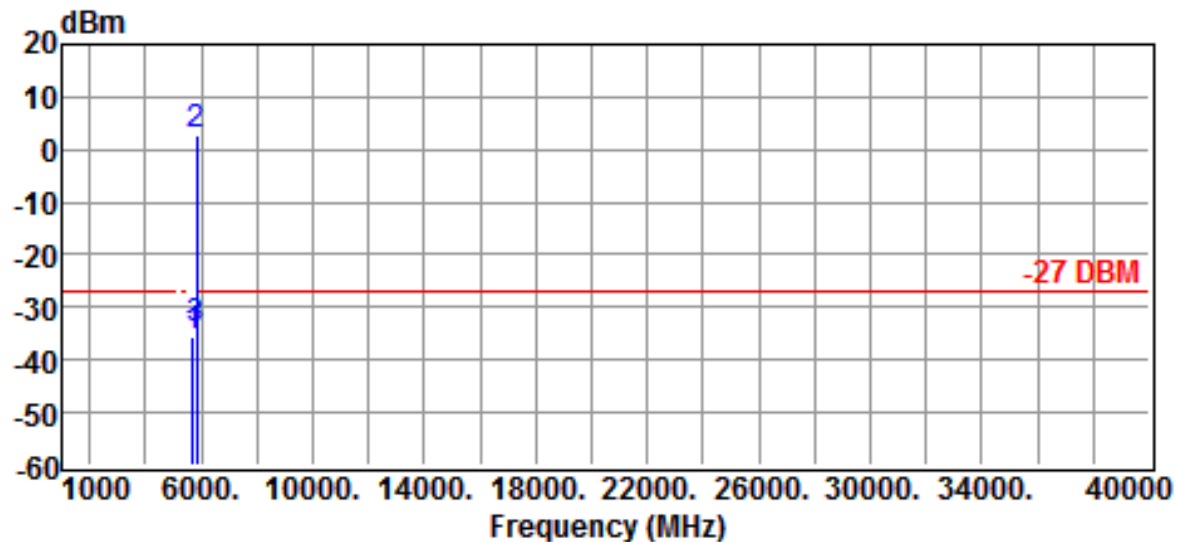


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5825		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.87	-55.67	-34.80	-27.00	-7.80	Peak
5825.0000	59.32	-55.56	3.76	----	----	Peak
5850.0000	20.69	-55.54	-34.85	-27.00	-7.85	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



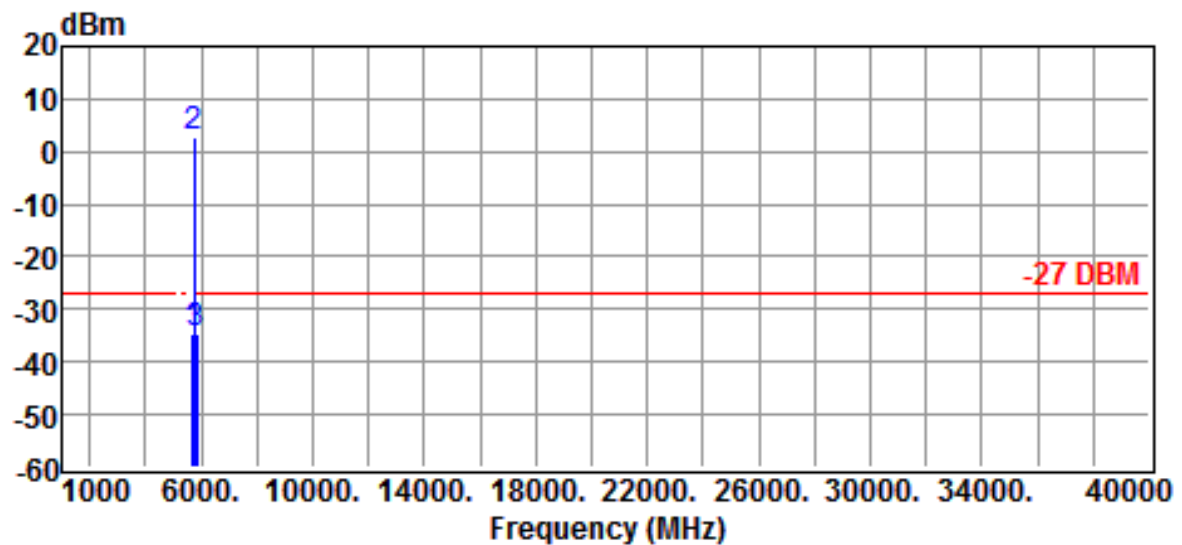
Site	:Chamber #2	Date	:2018-04-23
Limit	:-27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC20-B4-5825		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	19.91	-55.67	-35.76	-27.00	-8.76	Peak
5825.0000	58.22	-55.56	2.66	----	----	Peak
5850.0000	21.19	-55.54	-34.35	-27.00	-7.35	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -40) ANT1 / Channel Low

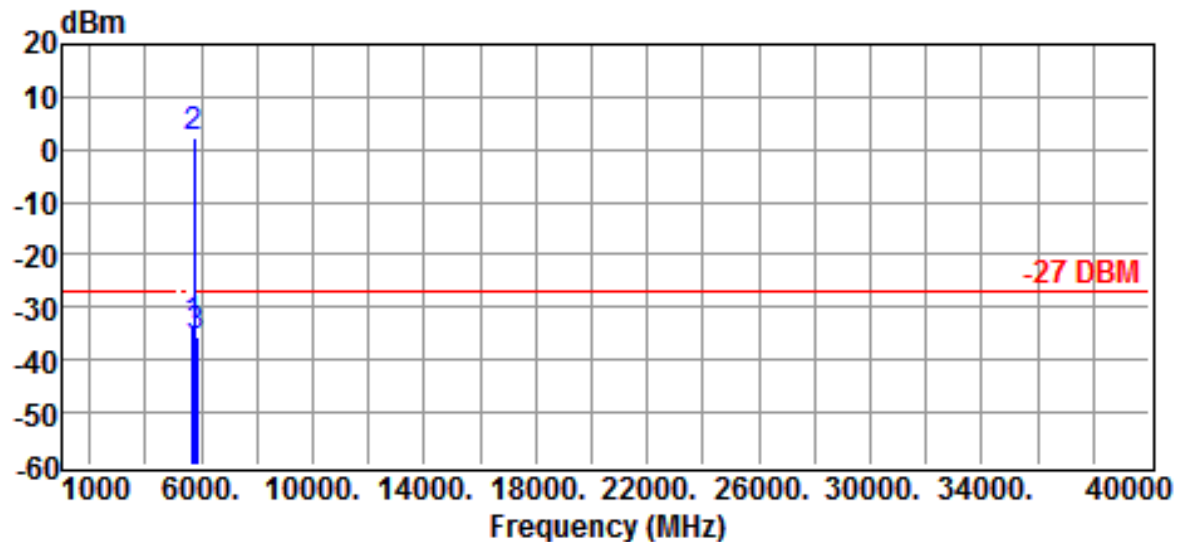


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B4-5755		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	21.05	-55.67	-34.62	-27.00	-7.62	Peak
5755.0000	58.57	-55.63	2.94	----	----	Peak
5850.0000	21.08	-55.54	-34.46	-27.00	-7.46	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



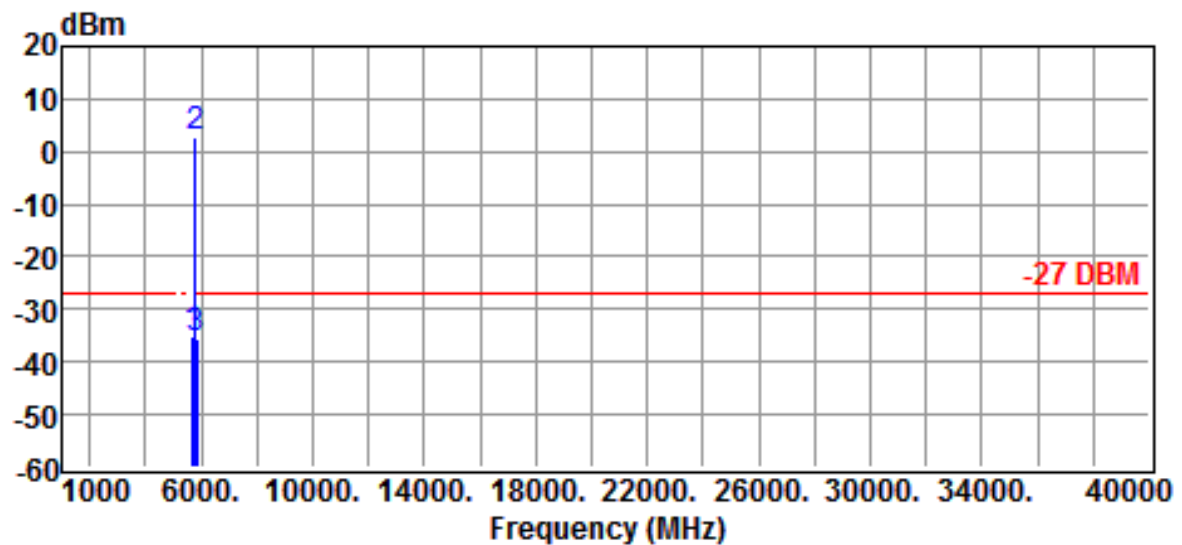
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B4-5755		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	22.17	-55.67	-33.50	-27.00	-6.50	Peak
5755.0000	57.71	-55.63	2.08	----	----	Peak
5850.0000	19.74	-55.54	-35.80	-27.00	-8.80	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -40) ANT1 / Channel High

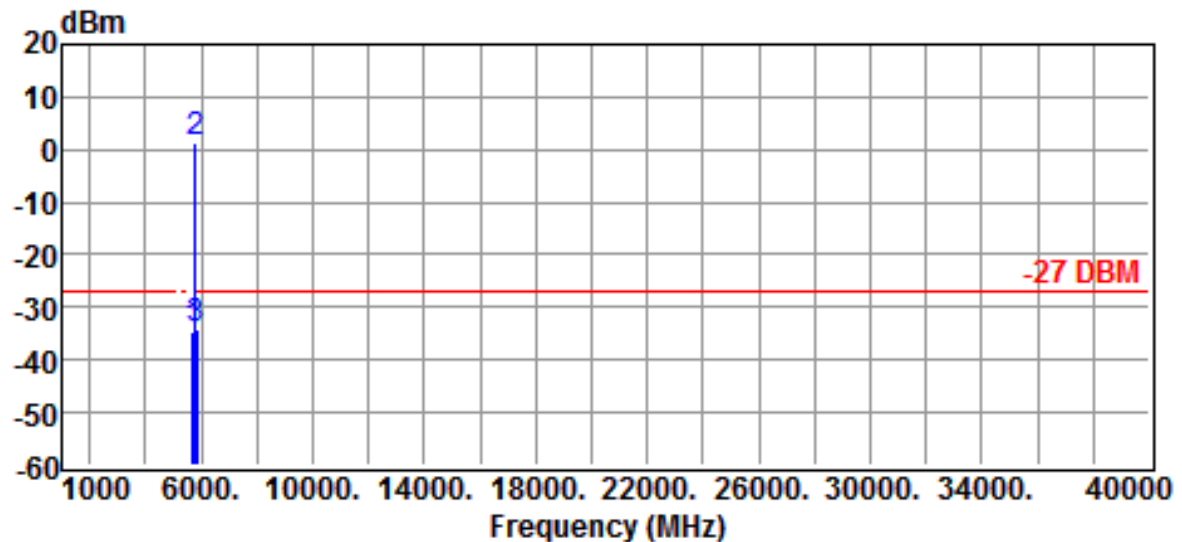


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B4-5795		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.45	-55.67	-35.22	-27.00	-8.22	Peak
5795.0000	58.40	-55.59	2.81	----	----	Peak
5850.0000	20.19	-55.54	-35.35	-27.00	-8.35	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



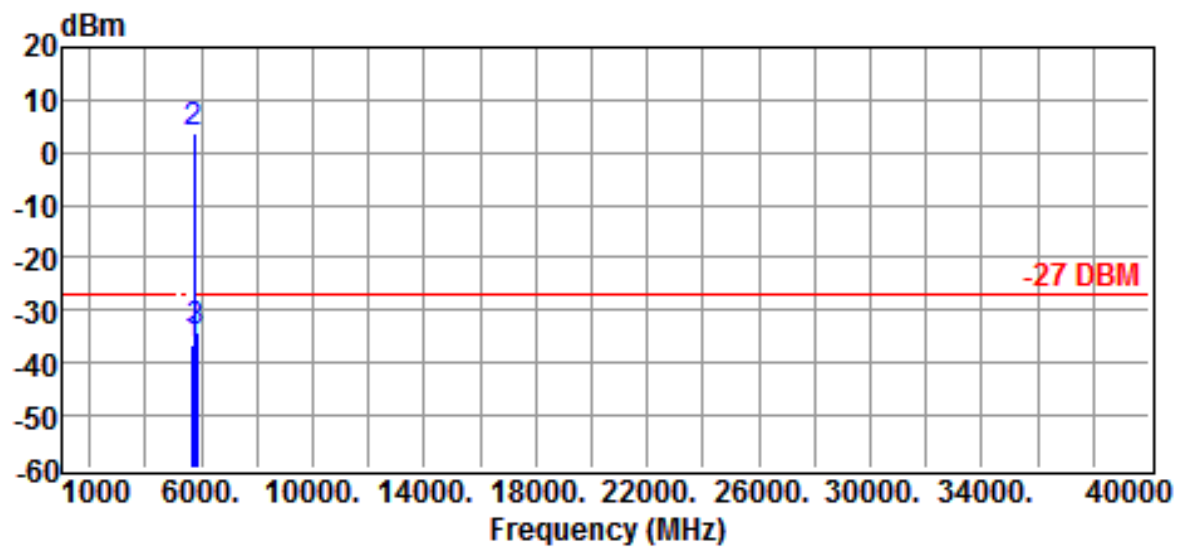
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B4-5795		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.90	-55.67	-34.77	-27.00	-7.77	Peak
5795.0000	57.12	-55.59	1.53	----	----	Peak
5850.0000	21.38	-55.54	-34.16	-27.00	-7.16	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -40) ANT2 / Channel Low

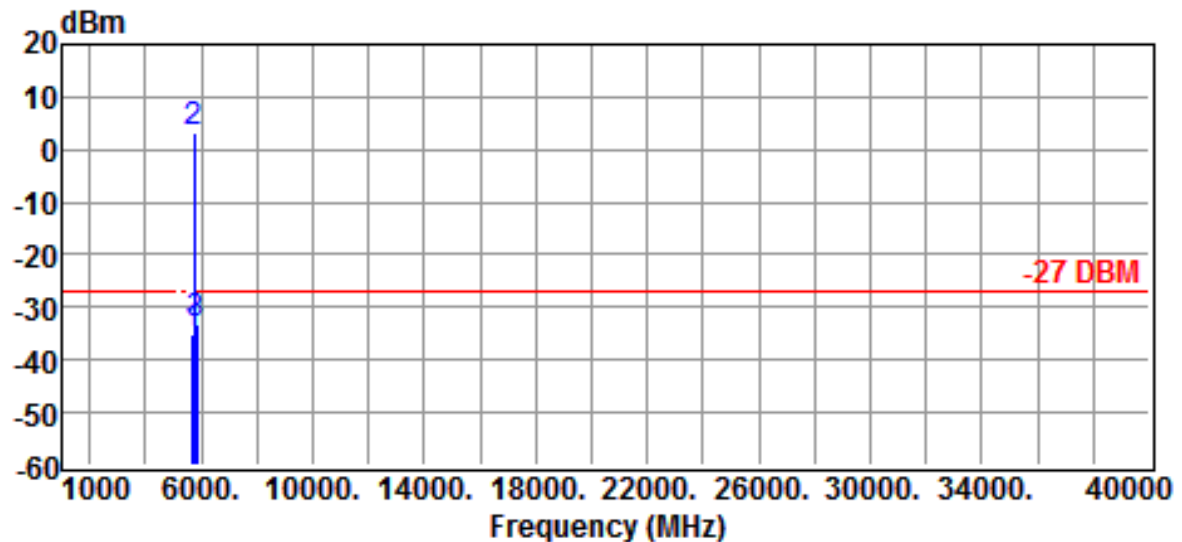


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B4-5755		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	19.30	-55.67	-36.37	-27.00	-9.37	Peak
5755.0000	59.39	-55.63	3.76	----	----	Peak
5850.0000	21.42	-55.54	-34.12	-27.00	-7.12	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



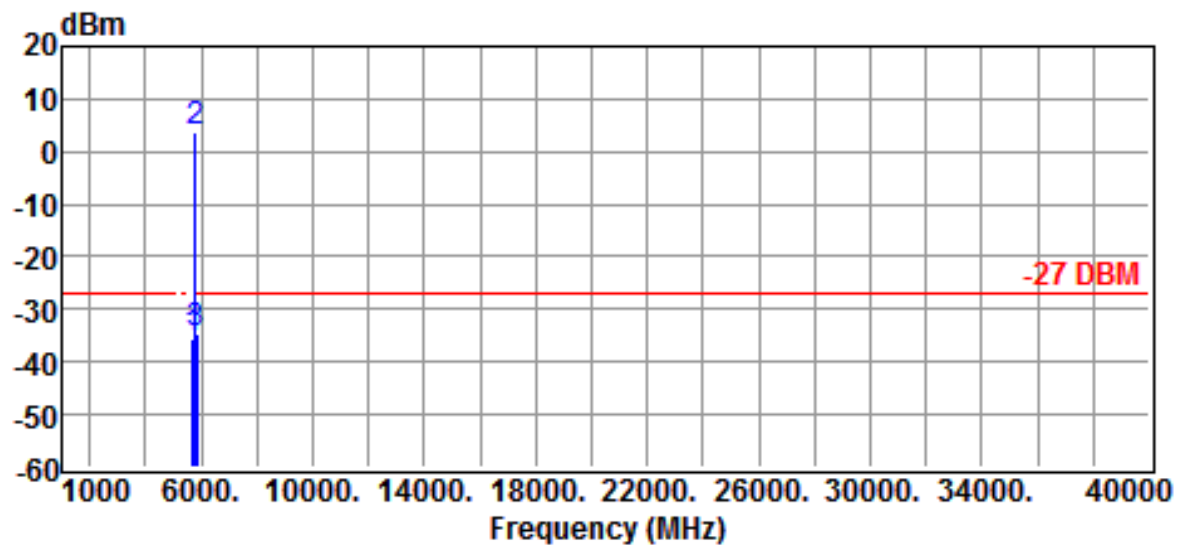
Site	:Chamber #2	Date	:2018-04-23
Limit	:-27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B4-5755		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.47	-55.67	-35.20	-27.00	-8.20	Peak
5755.0000	58.95	-55.63	3.32	----	----	Peak
5850.0000	22.41	-55.54	-33.13	-27.00	-6.13	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11n/ac -40) ANT2 / Channel High

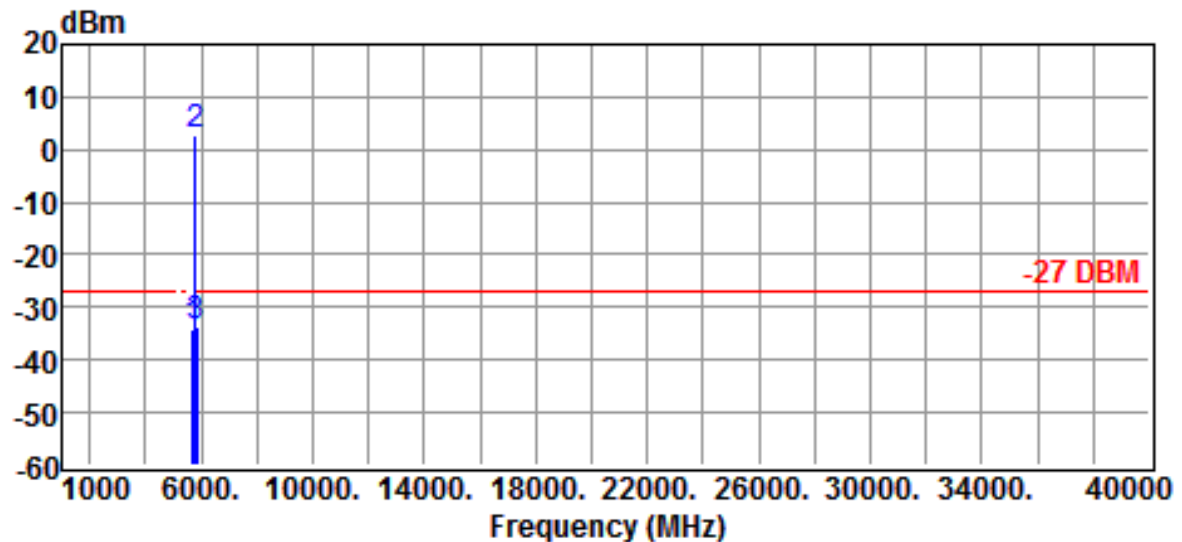


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:N/AC40-B4-5795		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	19.88	-55.67	-35.79	-27.00	-8.79	Peak
5795.0000	59.36	-55.59	3.77	----	----	Peak
5850.0000	20.83	-55.54	-34.71	-27.00	-7.71	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



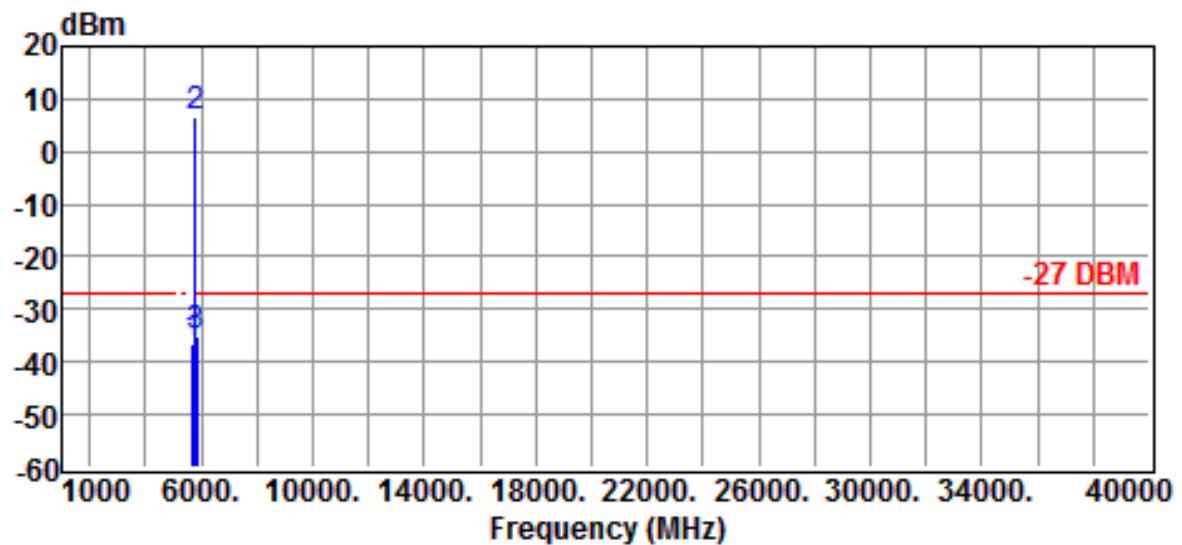
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	: VERTICAL
EUT	: 汽車音響	Model	: NTG6HIGH
Power Rating	: DC12V(Power from DC Supply)	Temp.	: 26 °C
Engineer	: Kazuma Ho	Humi.	: 52 %
Test Mode	: N/AC40-B4-5795		
Test Mode	: Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	21.40	-55.67	-34.27	-27.00	-7.27	Peak
5795.0000	58.18	-55.59	2.59	----	----	Peak
5850.0000	21.70	-55.54	-33.84	-27.00	-6.84	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11ac -80) ANT1

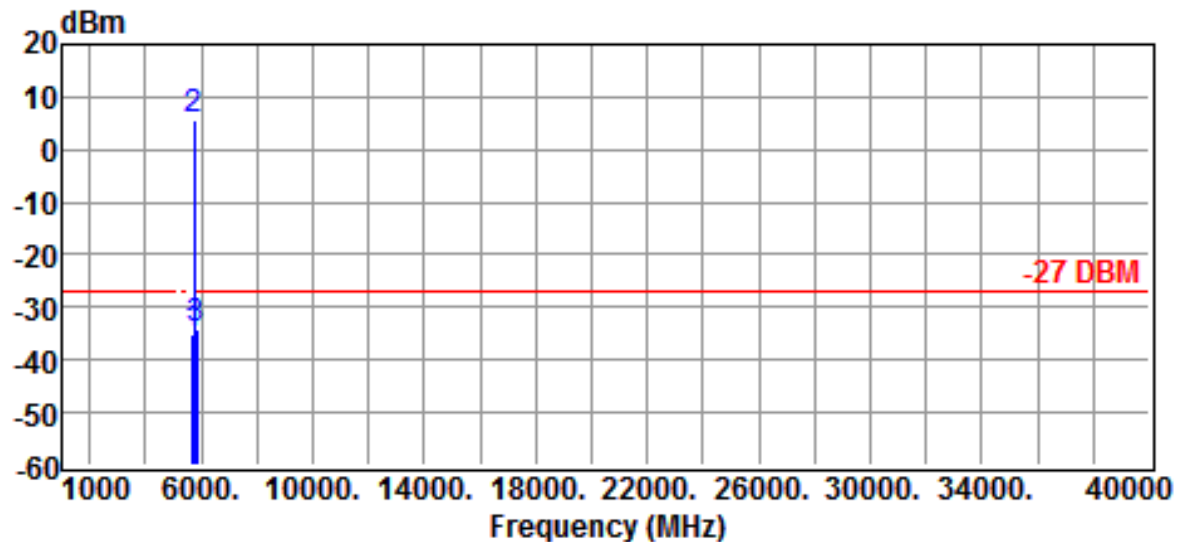


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B4-5775		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	18.96	-55.67	-36.71	-27.00	-9.71	Peak
5775.0000	62.13	-55.61	6.52	----	----	Peak
5850.0000	20.31	-55.54	-35.23	-27.00	-8.23	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



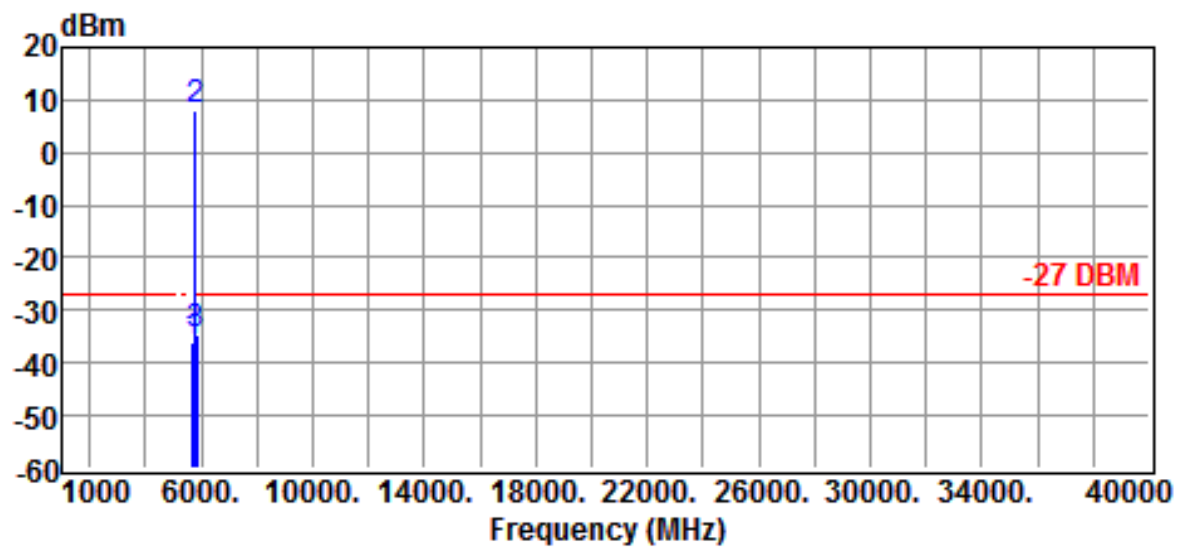
Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B4-5775		
Test Mode	:Ant 1		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	20.74	-55.67	-34.93	-27.00	-7.93	Peak
5755.0000	61.12	-55.63	5.49	----	----	Peak
5850.0000	21.45	-55.54	-34.09	-27.00	-7.09	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

Mode: 5.8GHz(802.11ac -80) ANT2

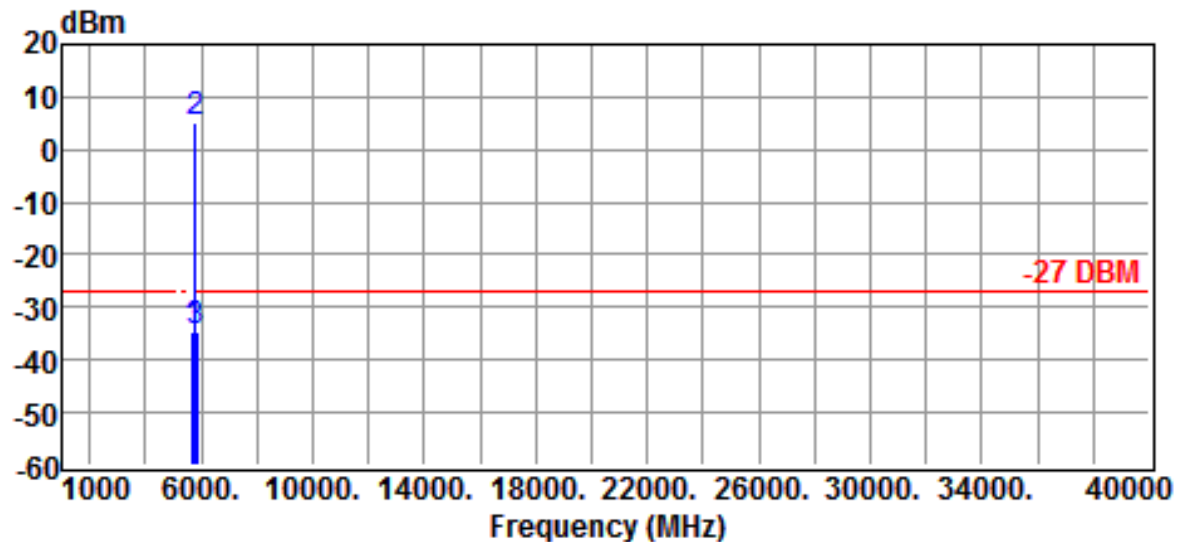


Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:HORIZONTAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26°C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B4-5775		
Test Mode	:Ant 2		

Freq MHz	Reading dBuV	Correction Factor dB	Result dBm	Limits dBm	Over limit dB	Detector
5725.0000	19.71	-55.67	-35.96	-27.00	-8.96	Peak
5775.0000	63.57	-55.61	7.96	----	----	Peak
5850.0000	21.03	-55.54	-34.51	-27.00	-7.51	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result



Site	:Chamber #2	Date	:2018-04-23
Limit	: -27 DBM	Ant. Pol.	:VERTICAL
EUT	: 汽車音響	Model	:NTG6HIGH
Power Rating	:DC12V(Power from DC Supply)	Temp.	:26 °C
Engineer	: Kazuma Ho	Humi.	:52 %
Test Mode	:AC80-B4-5775		
Test Mode	:Ant 2		

Freq	Reading	Correction	Result	Limits	Over limit	Detector
MHz	dBuV	Factor	dBm	dBm	dB	
5725.0000	21.22	-55.67	-34.45	-27.00	-7.45	Peak
5775.0000	60.94	-55.61	5.33	----	----	Peak
5850.0000	20.85	-55.54	-34.69	-27.00	-7.69	Peak

Note :

1. Result = Reading + Corrected Factor
2. Corrected Factor = Antenna Factor + Cable Loss - Amplifier Gain (if any)-EIRP Factor
 {EIRP Factor = -101.2dB (9kHz-30MHz) or -99.9dB (30MHz-1GHz)
 or -95.2dB (1GHz Above)}
3. The margin value=Limit - Result

10 功率密度之量測

10.1 適用標準

依據低功率射頻電機技術規範4.7.3.1節(1)(B)、4.7.3.1節(2)(B)及4.7.3.1節(3)(B)之規定，在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於17 dBm。

依據低功率射頻電機技術規範4.7.3.1節(4)(B) 及4.7.3.2節(2)之規定，在任何1 MHz 頻帶中最大功率頻譜密度應小於或等於11 dBm。

依據低功率射頻電機技術規範4.7.3.3節(2)之規定，在任何500 kHz 頻帶中最大功率頻譜密度應小於或等於30 dBm。

10.2 量測功率密度之配置

如圖 4 所示

10.3 量測功率密度之儀器

儀器名稱	製造者	型號	本次校驗日期	下次校驗日期
EMI Test Receiver	Rohde & Schwarz	ESU 40	2017/11/09	2018/11/08
Attenuator	WEINSCHEL ENGINEERING	AS3696	2016/12/01	2017/11/30

10.4 功率密度量測結果

測試日期 : Mar. 29, 2018

環境溫度 : 24°C

環境濕度 : 65 %

測試結果 : 合格

測試者 : 何仁逸

5.8GHz(802.11a) Band 1

- a) Channel Low : 功率密度為 5.92 dBm
- b) Channel Middle : 功率密度為 5.92 dBm
- c) Channel High : 功率密度為 6.08 dBm

5.8GHz(802.11a) Band 4

- a) Channel Low : 功率密度為 $-1.93 + 2.22 = 2.29$ dBm
- b) Channel Middle : 功率密度為 $-2.25 + 2.22 = -0.03$ dBm
- c) Channel High : 功率密度為 $-2.80 + 2.22 = -0.58$ dBm

Note: RBW設定補償 $10\log(500\text{kHz}/300\text{kHz}) = 2.22$

5.2GHz(802.11n/ac -20) Band 1 ANT1

- a) Channel Low : 功率密度為 4.74 dBm
- b) Channel Middle : 功率密度為 4.41 dBm
- c) Channel High : 功率密度為 4.43 dBm

5.8GHz(802.11n/ac -20) Band 4 ANT1

- a) Channel Low : 功率密度為 $-2.67 + 2.22 = -0.43$ dBm
- b) Channel Middle : 功率密度為 $-4.22 + 2.22 = -2.00$ dBm
- c) Channel High : 功率密度為 $-4.40 + 2.22 = -2.18$ dBm

Note: RBW設定補償 $10\log(500\text{kHz}/300\text{kHz}) = 2.22$

5.2GHz(802.11n/ac -20) Band 1 ANT2

- a) Channel Low : 功率密度為 4.85 dBm
- b) Channel Middle : 功率密度為 4.93 dBm
- c) Channel High : 功率密度為 4.61 dBm

5.8GHz(802.11n/ac -20) Band 4 ANT2

- a) Channel Low : 功率密度為 $-3.80 + 2.22 = -1.58$ dBm
- b) Channel Middle : 功率密度為 $-2.63 + 2.22 = -0.41$ dBm
- c) Channel High : 功率密度為 $-4.34 + 2.22 = -2.12$ dBm

Note: RBW設定補償 $10\log(500\text{kHz}/300\text{kHz}) = 2.22$

5.2GHz(802.11n/ac -40)Band 1 ANT1

- a) Channel Low : 功率密度為 2.52 dBm
- b) Channel High : 功率密度為 3.10 dBm

5.8GHz(802.11n/ac -40) Band 4 ANT1

- a) Channel Low : 功率密度為 $-4.24 + 2.22 = -2.02$ dBm
- b) Channel High : 功率密度為 $-4.84 + 2.22 = -2.62$ dBm

Note: RBW設定補償 $10\log(500\text{kHz}/300\text{kHz}) = 2.22$

5.2GHz(802.11n/ac -40)Band 1 ANT2

- a) Channel Low : 功率密度為 3.00 dBm
- b) Channel High : 功率密度為 2.38 dBm

5.8GHz(802.11n/ac -40) Band 4 ANT2

- a) Channel Low : 功率密度為 $-4.89 + 2.22 = -2.67$ dBm
- b) Channel High : 功率密度為 $-5.75 + 2.22 = -3.53$ dBm

Note: RBW設定補償 $10\log(500\text{kHz}/300\text{kHz}) = 2.22$

5.2GHz(802.11ac -80)Band 1 ANT1

a) Channel Middle : 功率密度為 1.59 dBm

5.8GHz(802.11ac -80) Band 4 ANT1

a) Channel Middle : 功率密度為 $-4.99 + 2.22 = -2.67$ dBm

Note: RBW設定補償 $10\log(500\text{kHz}/300\text{kHz}) = 2.22$

5.2GHz(802.11ac -80)Band 1 ANT2

a) Channel Middle : 功率密度為 0.85 dBm

5.8GHz(802.11ac -80) Band 4 ANT2

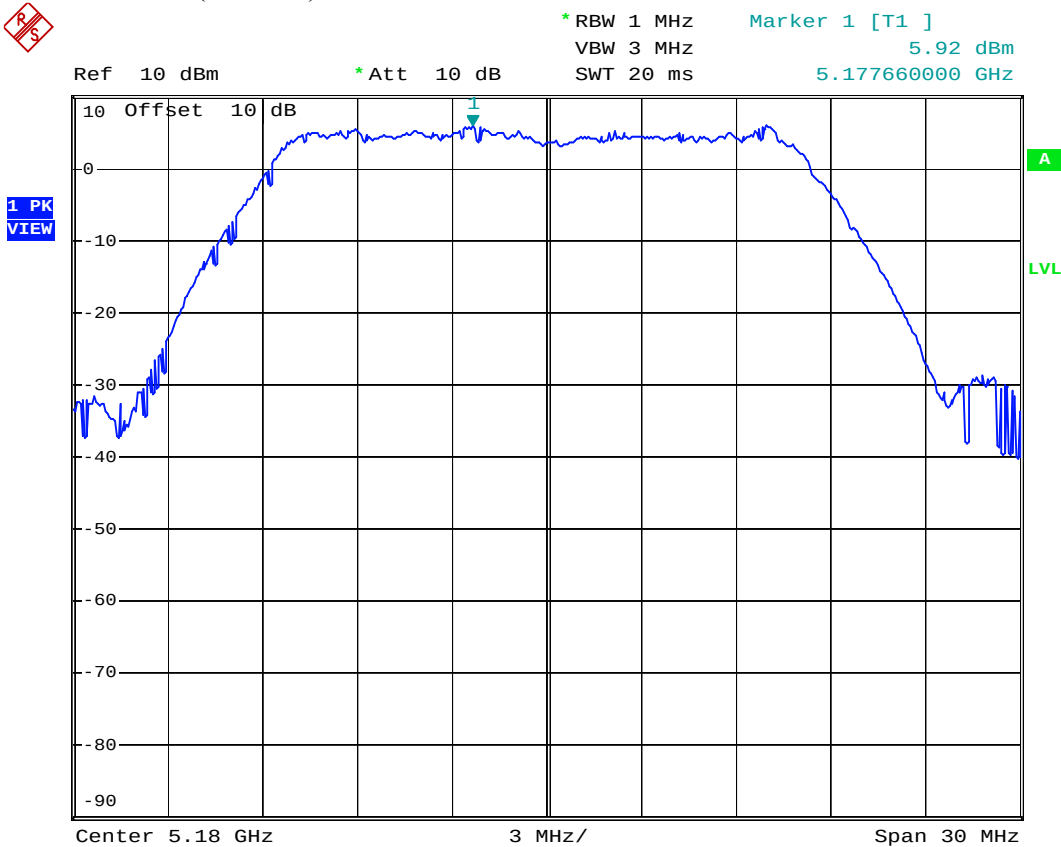
a) Channel Middle : 功率密度為 $-4.98 + 2.22 = -2.66$ dBm

Note: RBW設定補償 $10\log(500\text{kHz}/300\text{kHz}) = 2.22$

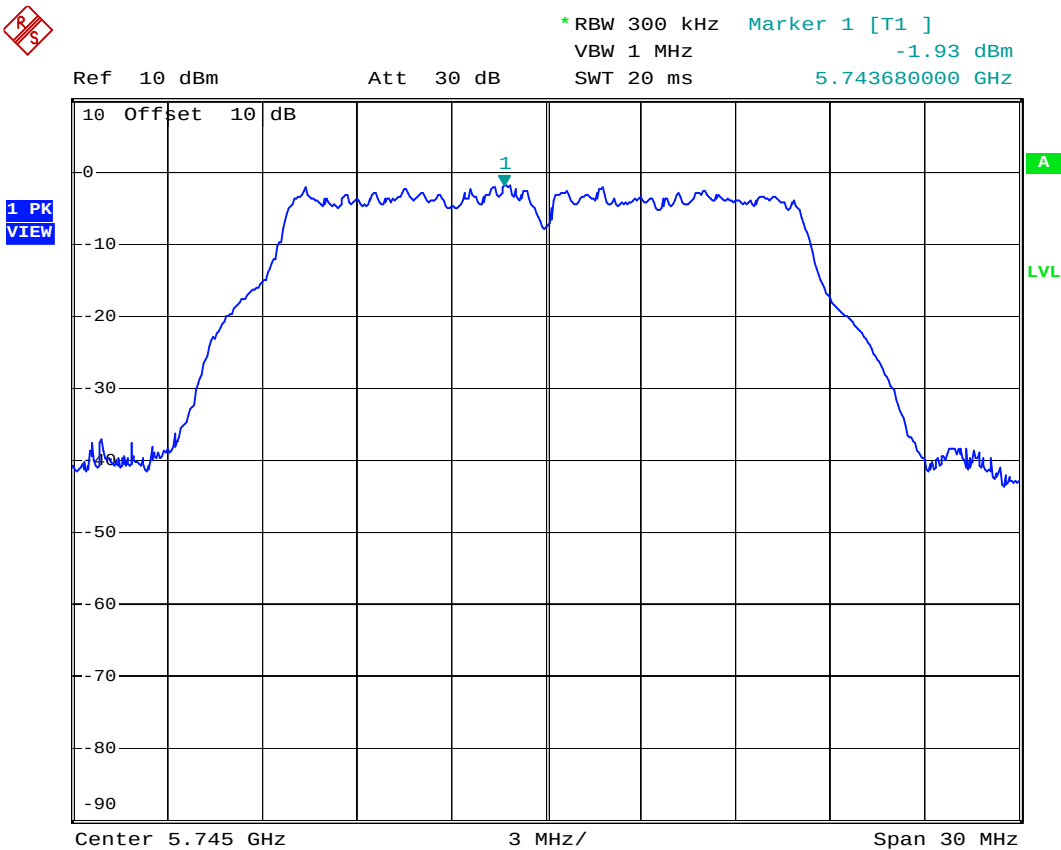
註：

1. 本實驗室功率密度檢驗之擴充不確定度 ± 2 dB。
2. 繪圖資料請參考下頁。

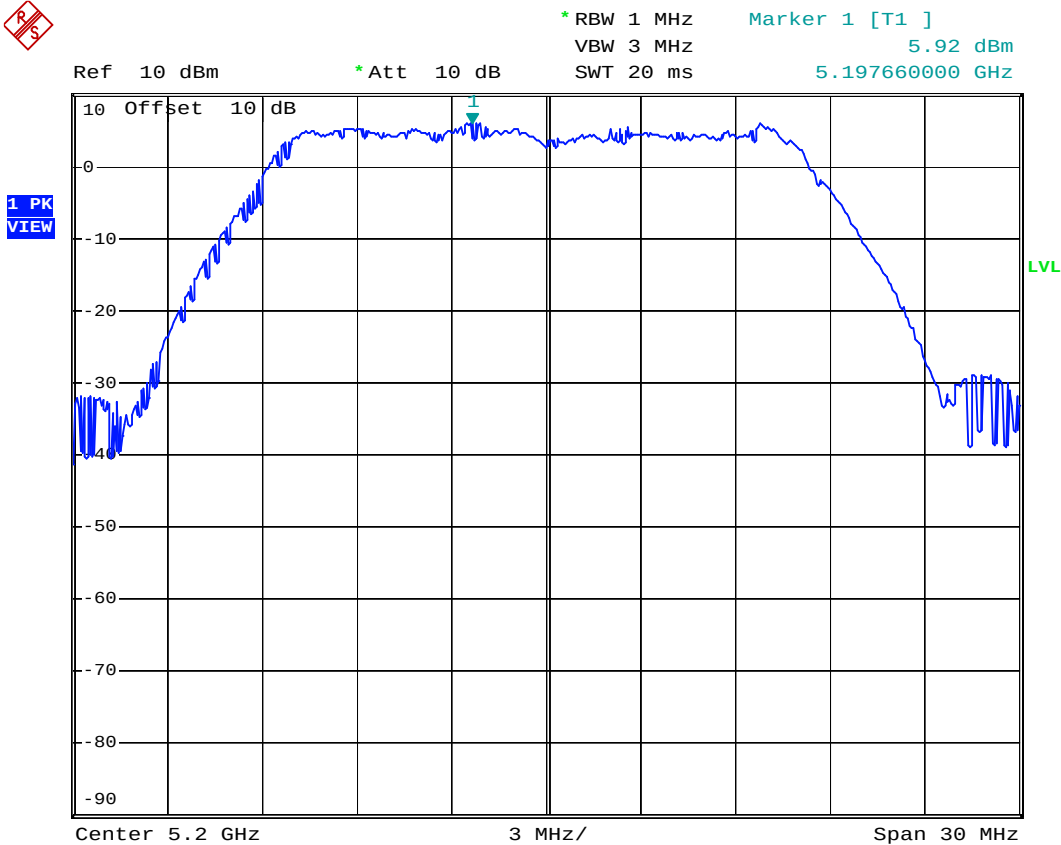
Mode: 5.8GHz(802.11a) Band1 / Channel Low



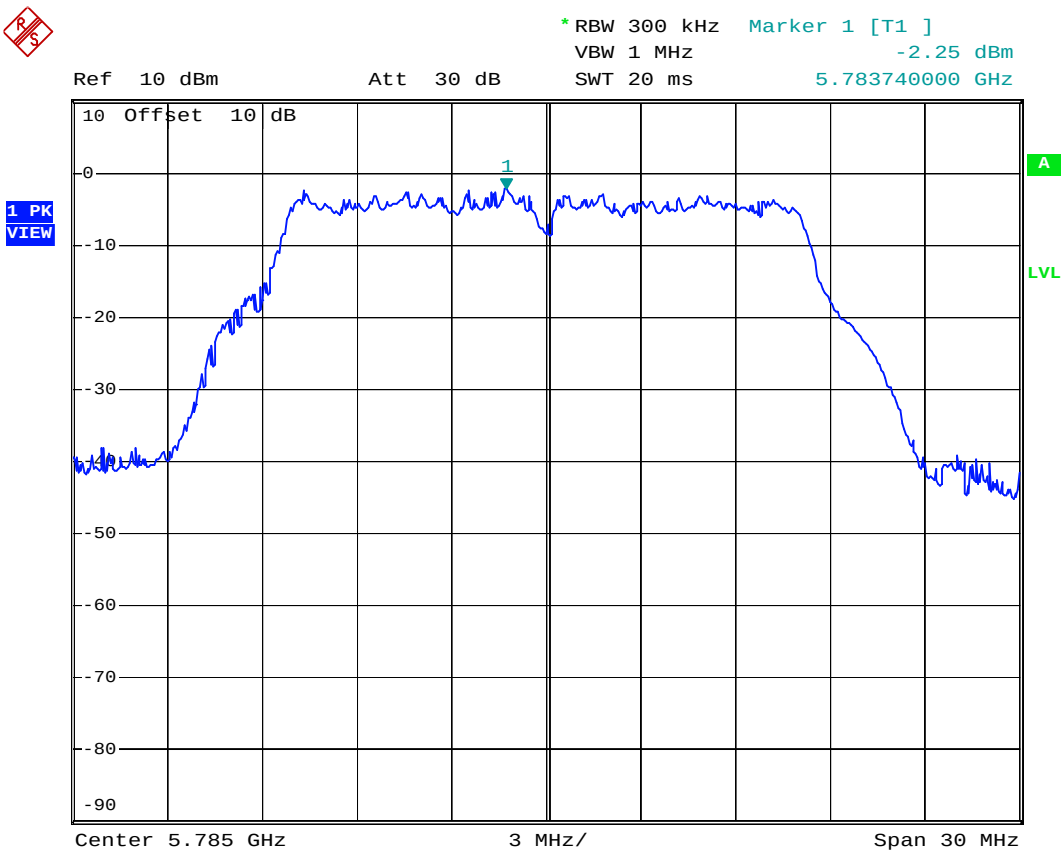
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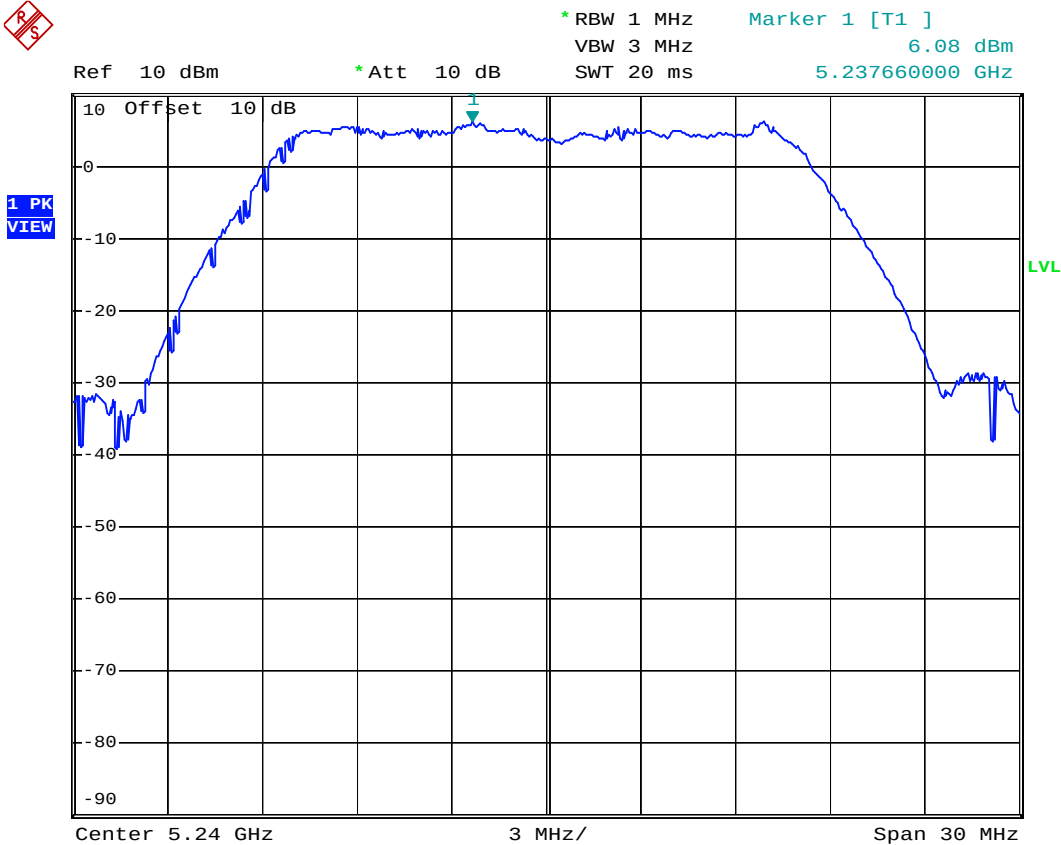
Mode: 5.8GHz(802.11a) Band1 / Channel Middle



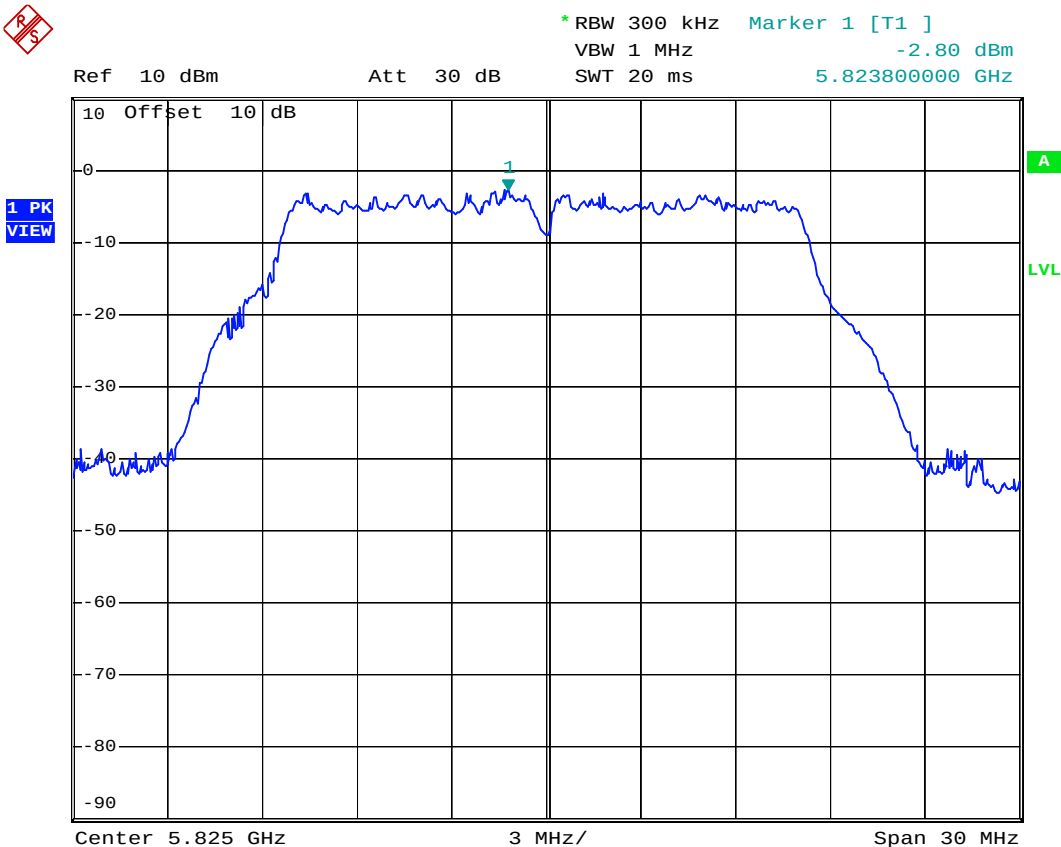
Mode: 5.8GHz(802.11a) Band4 / Channel Middle



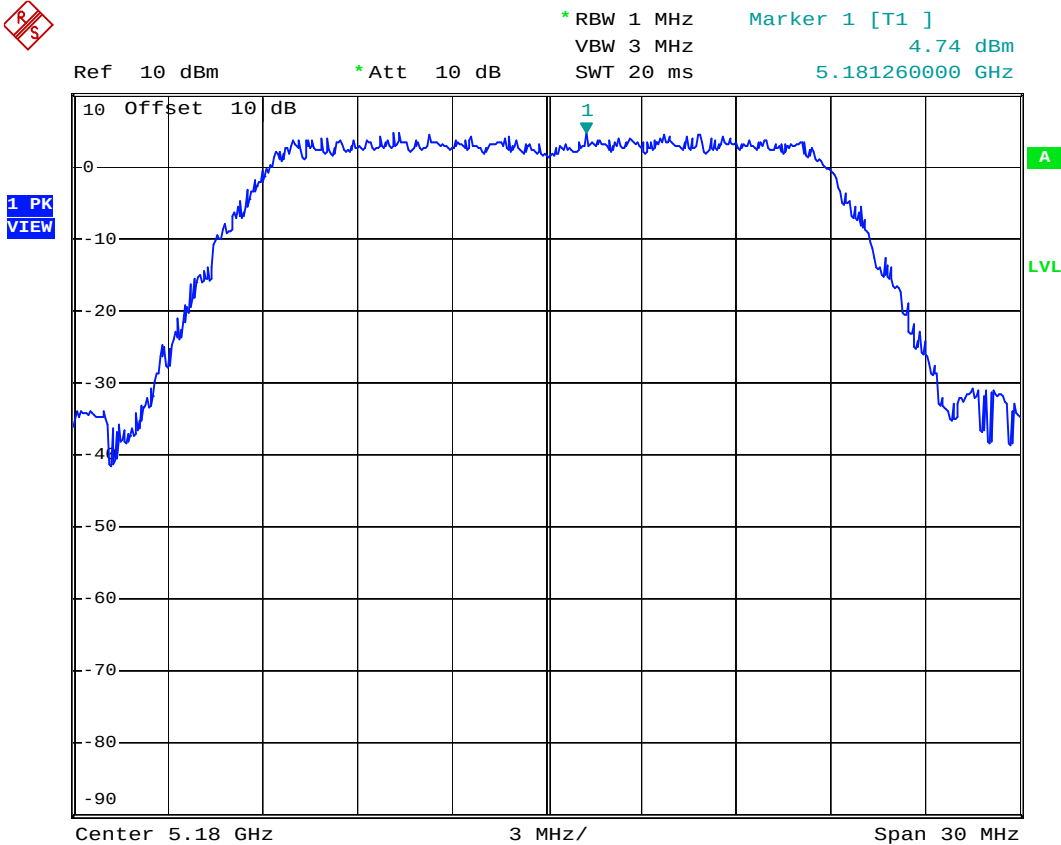
Mode: 5.8GHz(802.11a) Band1 / Channel High



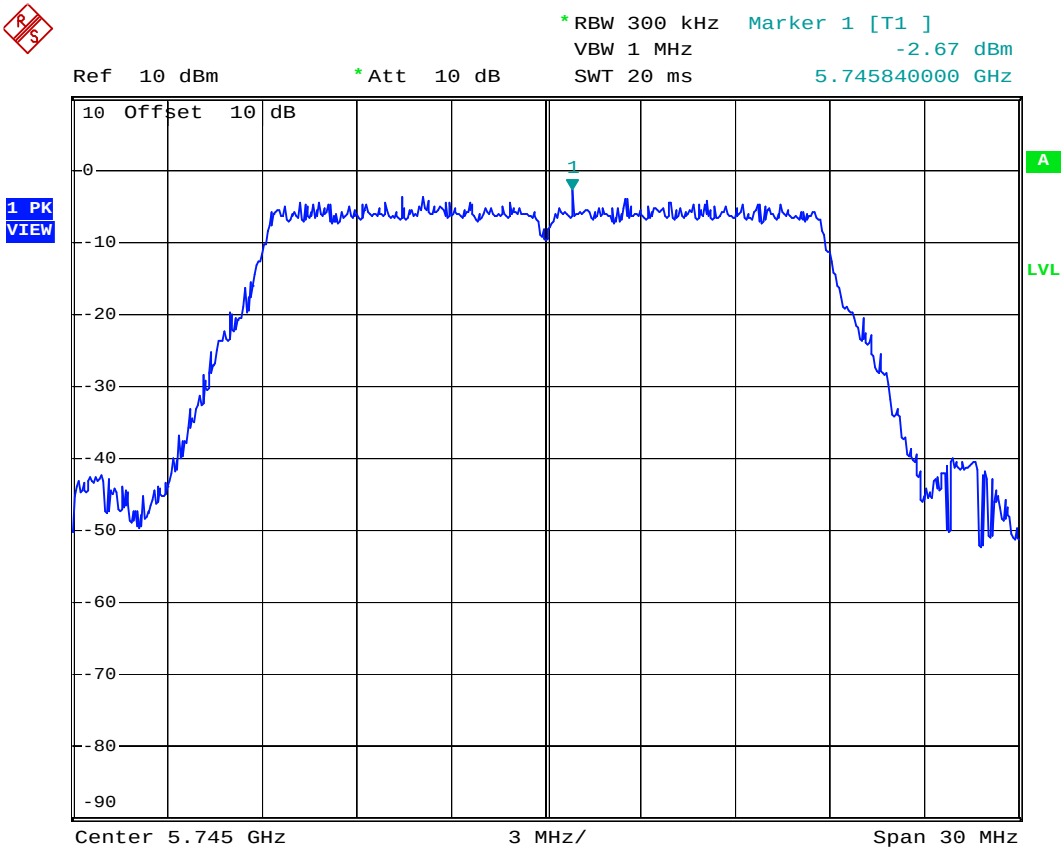
Mode: 5.8GHz(802.11a) Band4 / Channel High



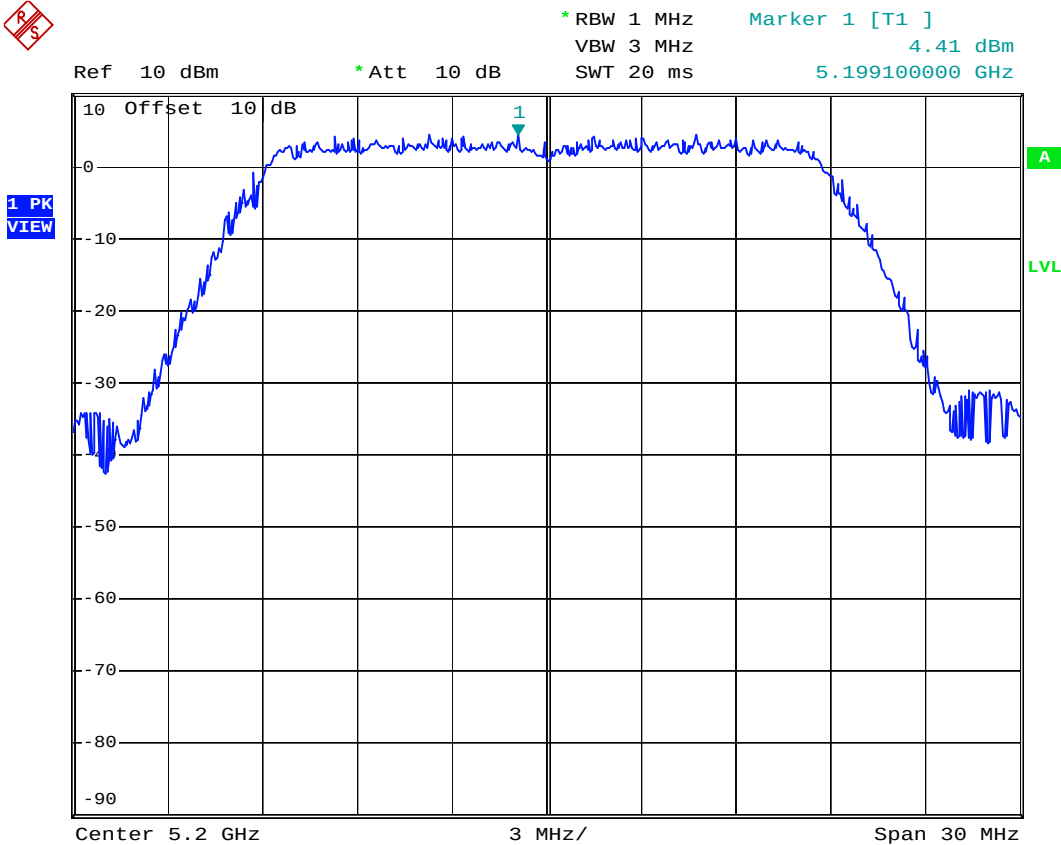
Mode: 5.8GHz(802.11n/ac -20) Band1 ANT1 / Channel Low



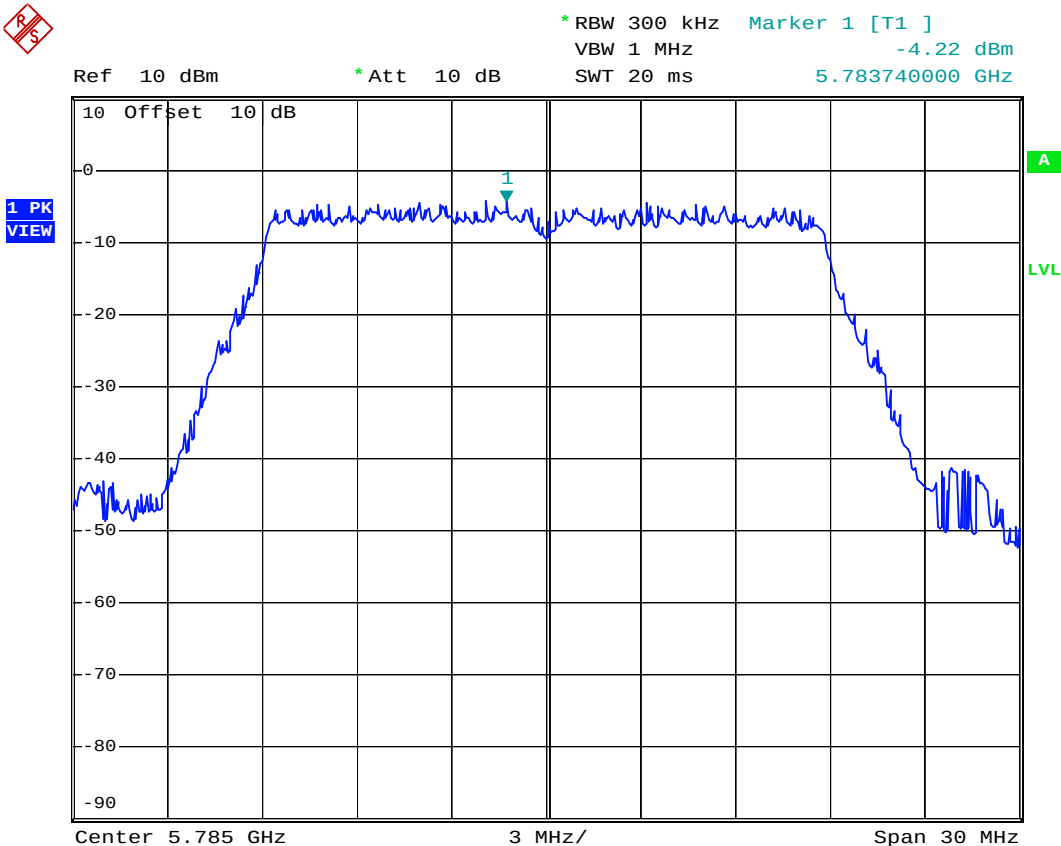
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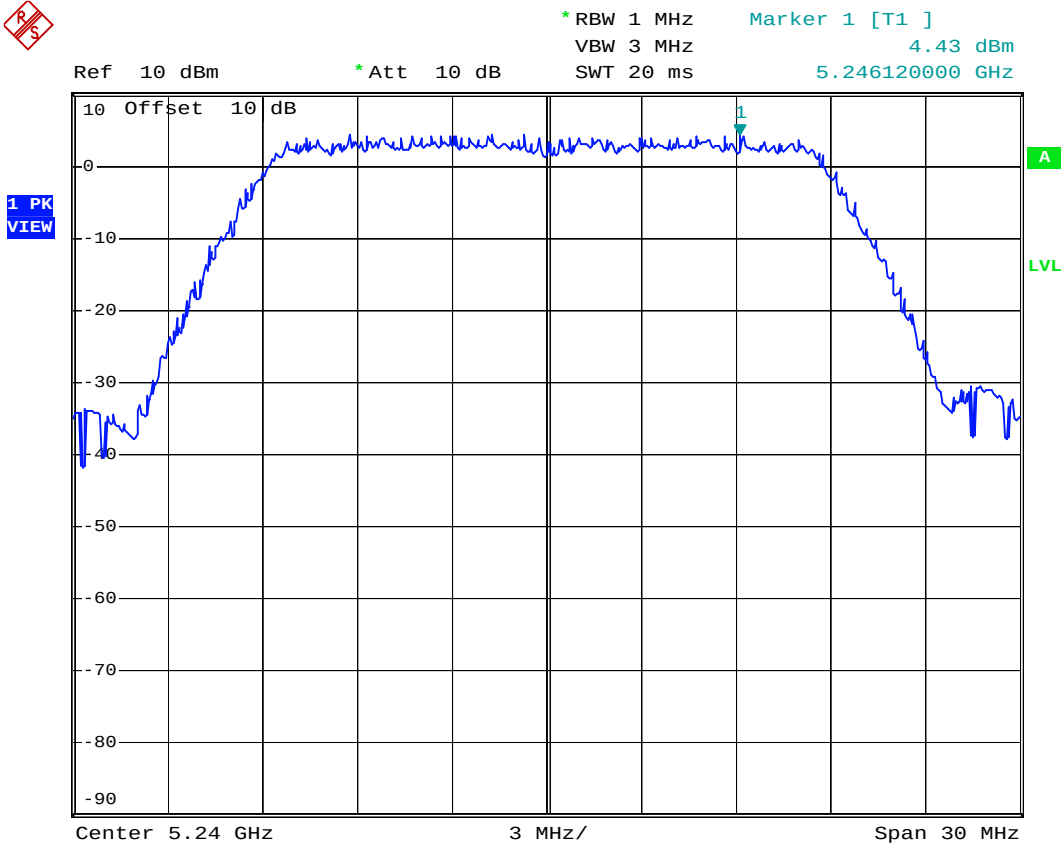
Mode: 5.8GHz(802.11n/ac -20) Band1 ANT1 / Channel Middle



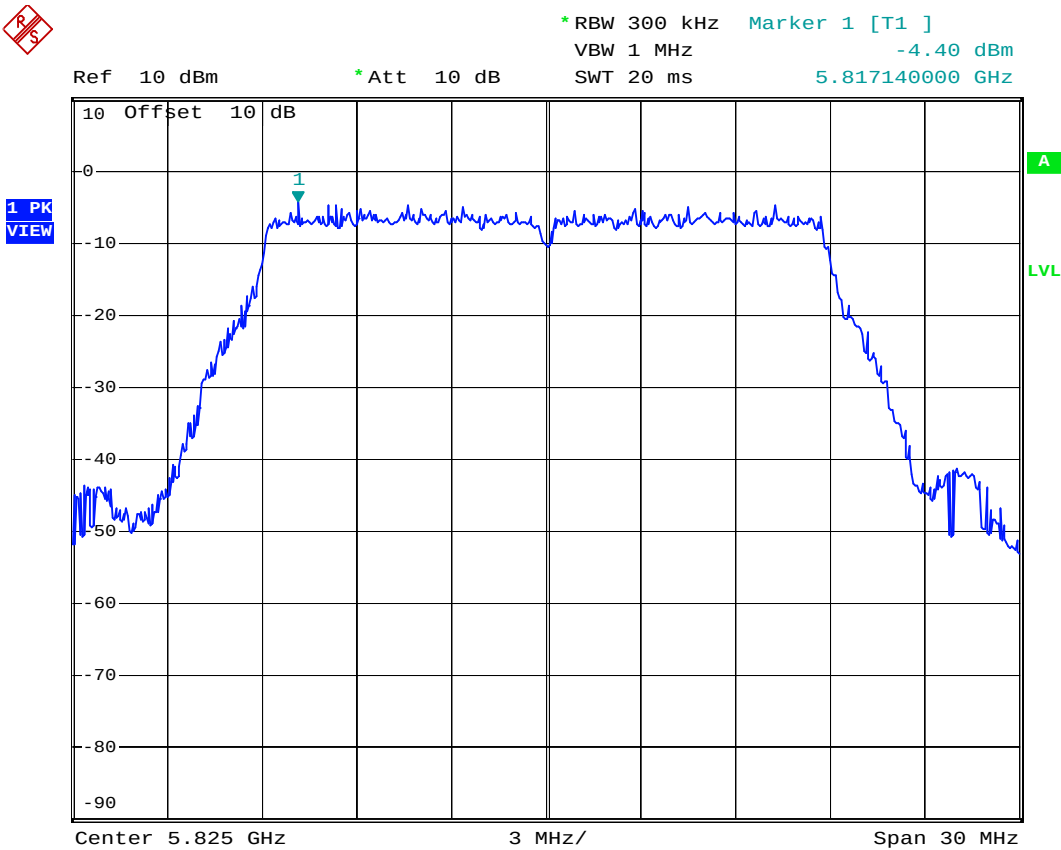
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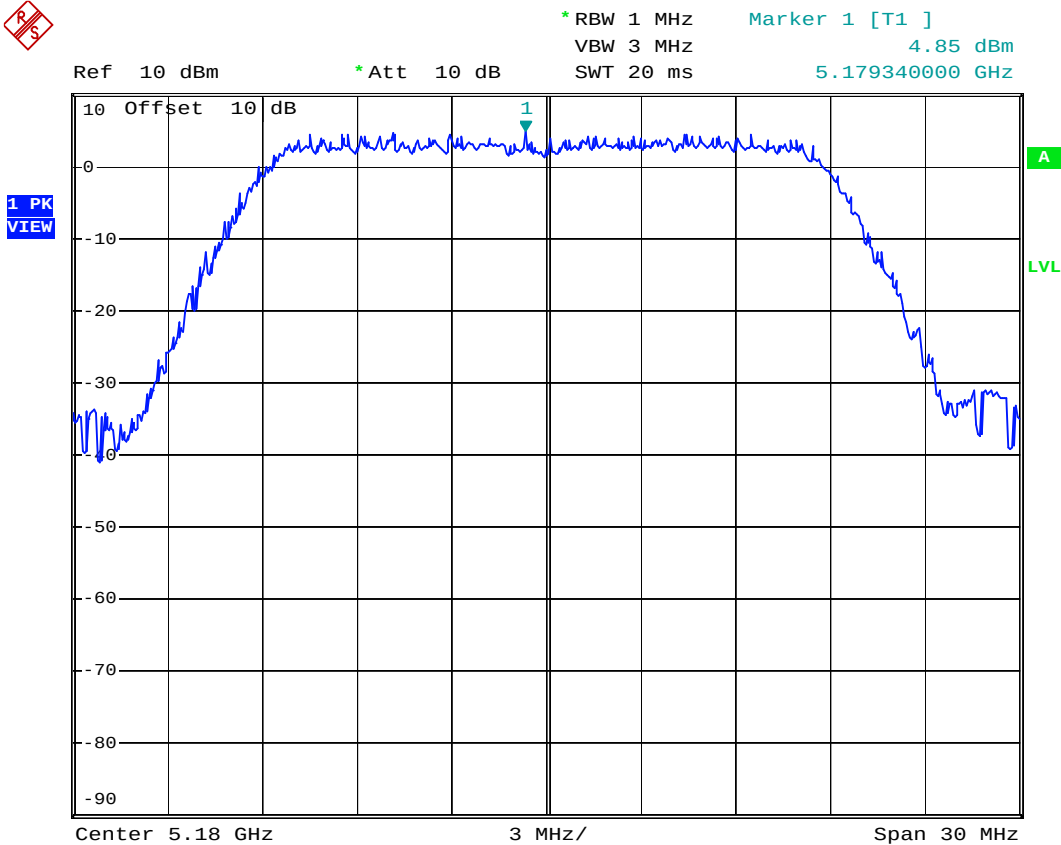
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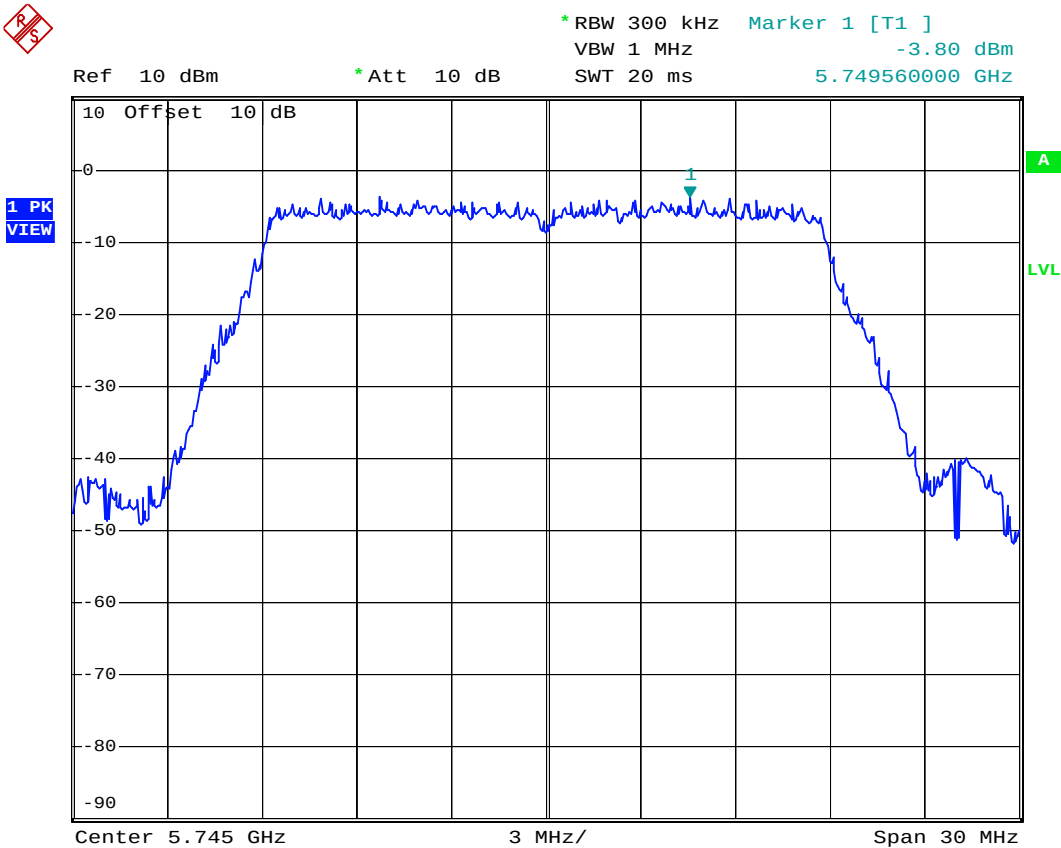
Mode: 5.8GHz(802.11n/ac -20) Band4 ANT1 / Channel High



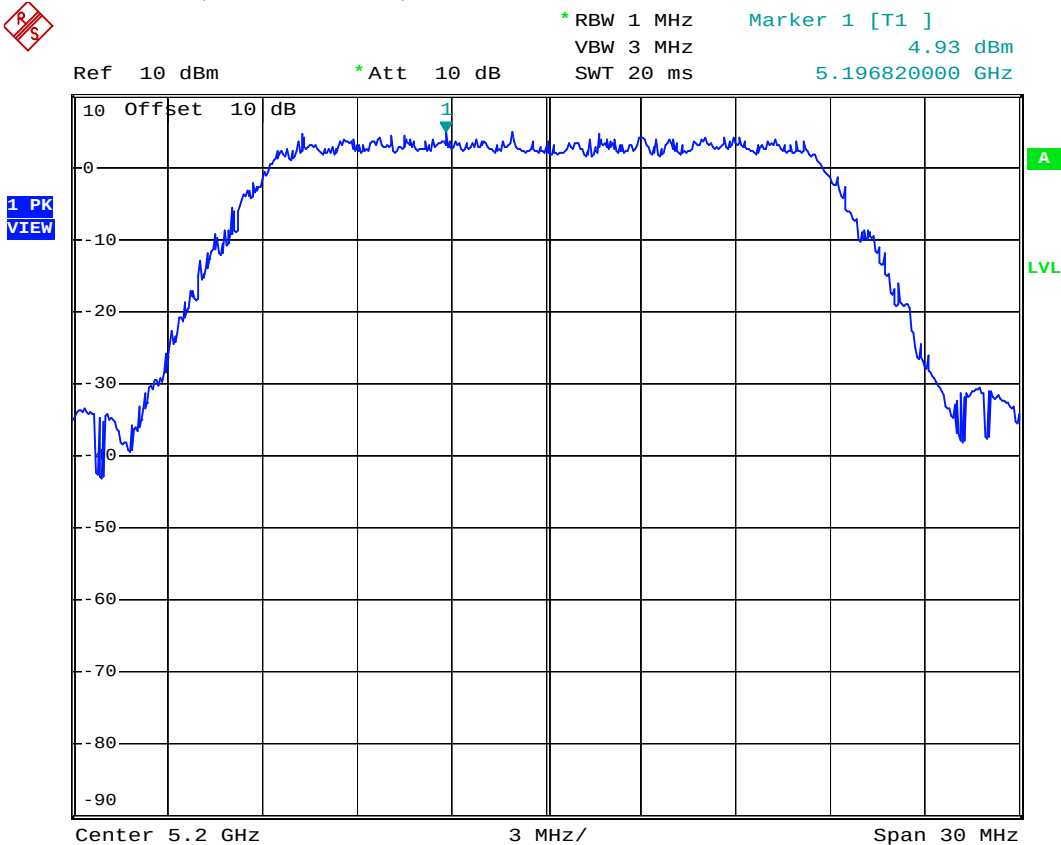
Mode: 5.8GHz(802.11n/ac -20) Band1 ANT2 / Channel Low



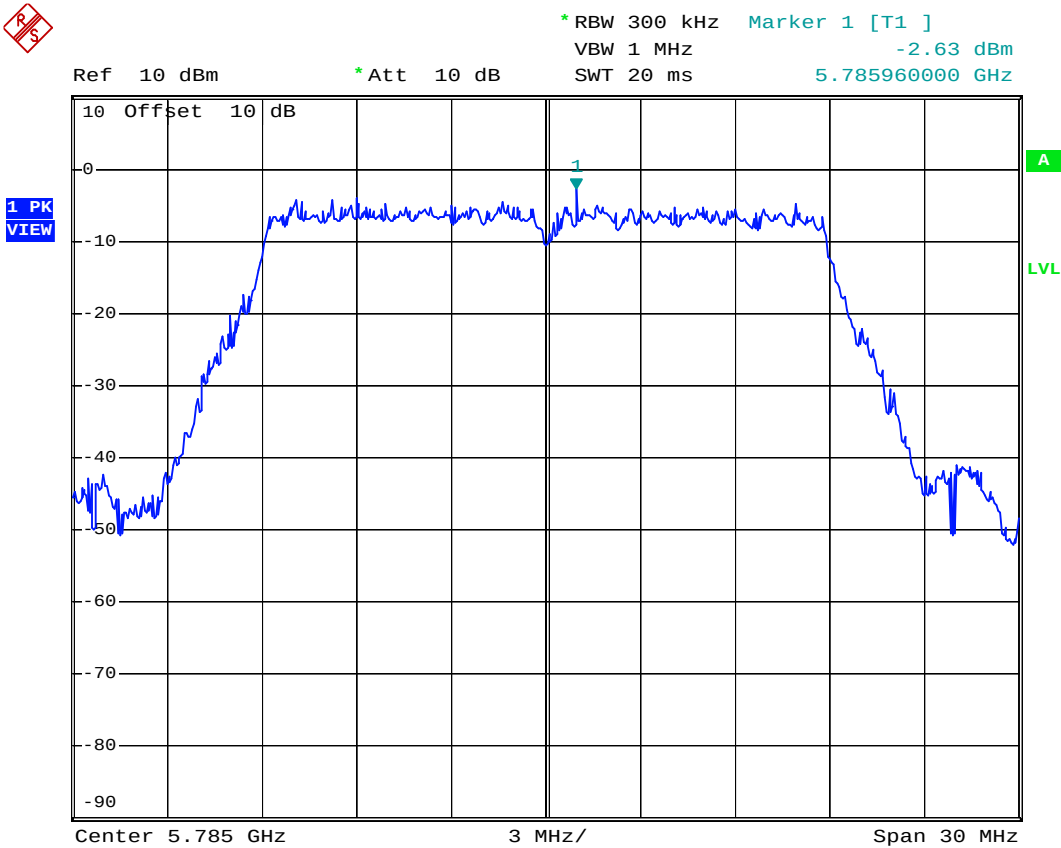
Mode: 5.8GHz(802.11n/ac -20) Band4 ANT2 / Channel Low



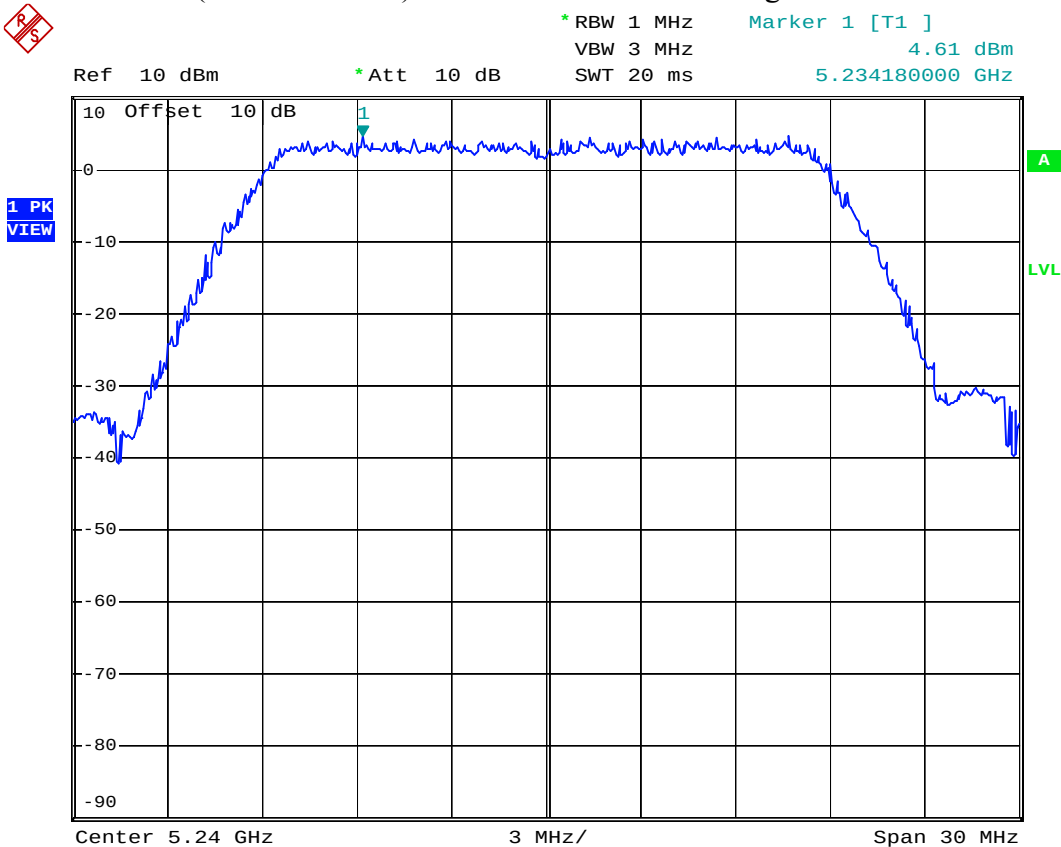
Mode: 5.8GHz(802.11n/ac -20) Band1 ANT2 / Channel Middle



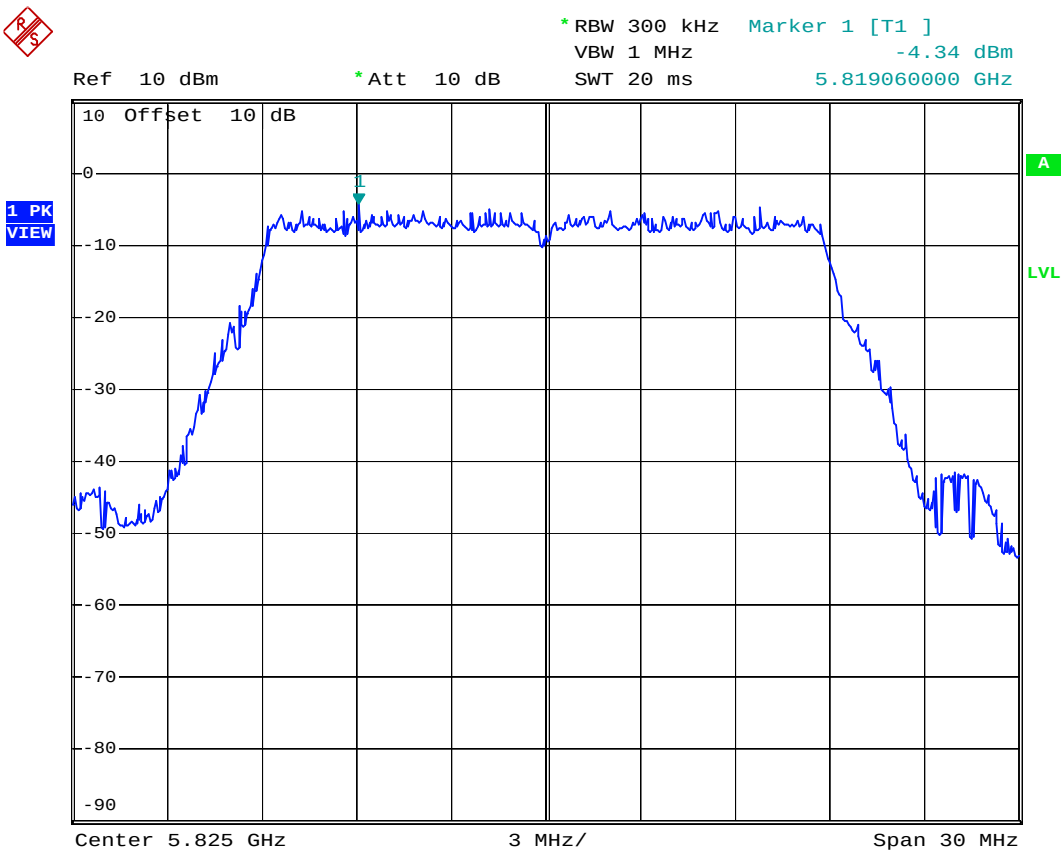
Mode: 5.8GHz(802.11n/ac -20) Band4 ANT2 / Channel Middle



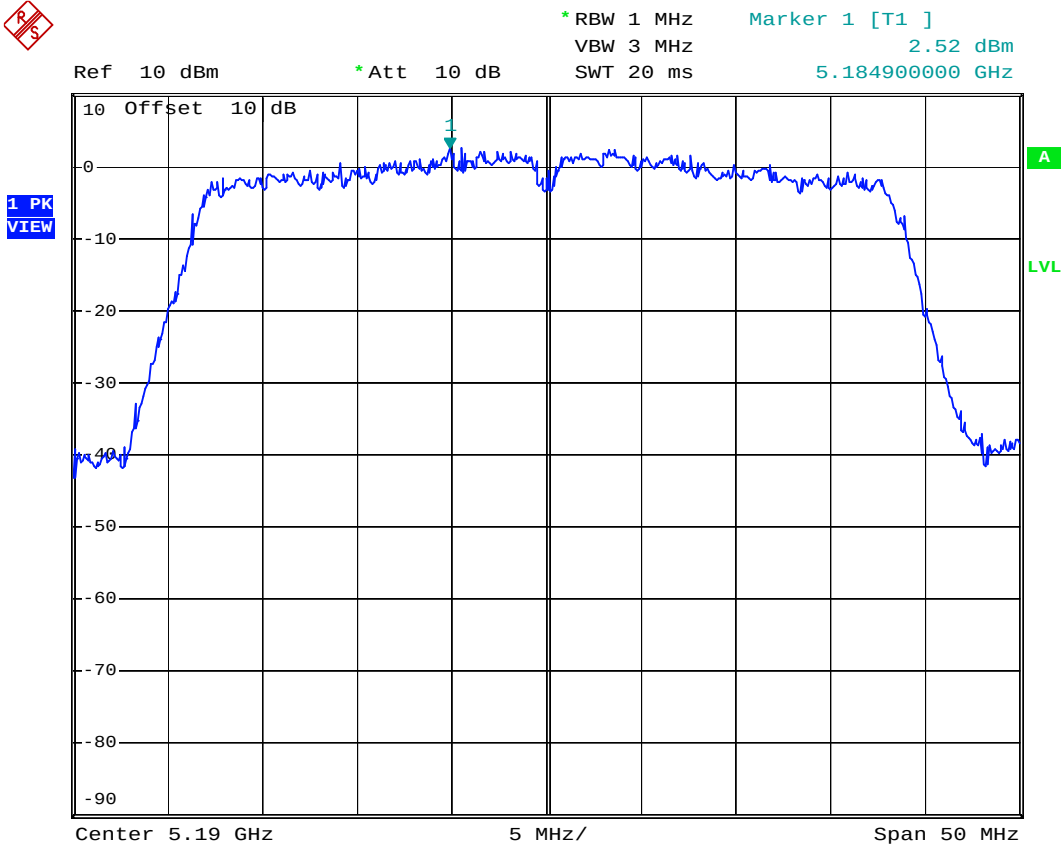
Mode: 5.8GHz(802.11n/ac -20) Band1 ANT2 / Channel High



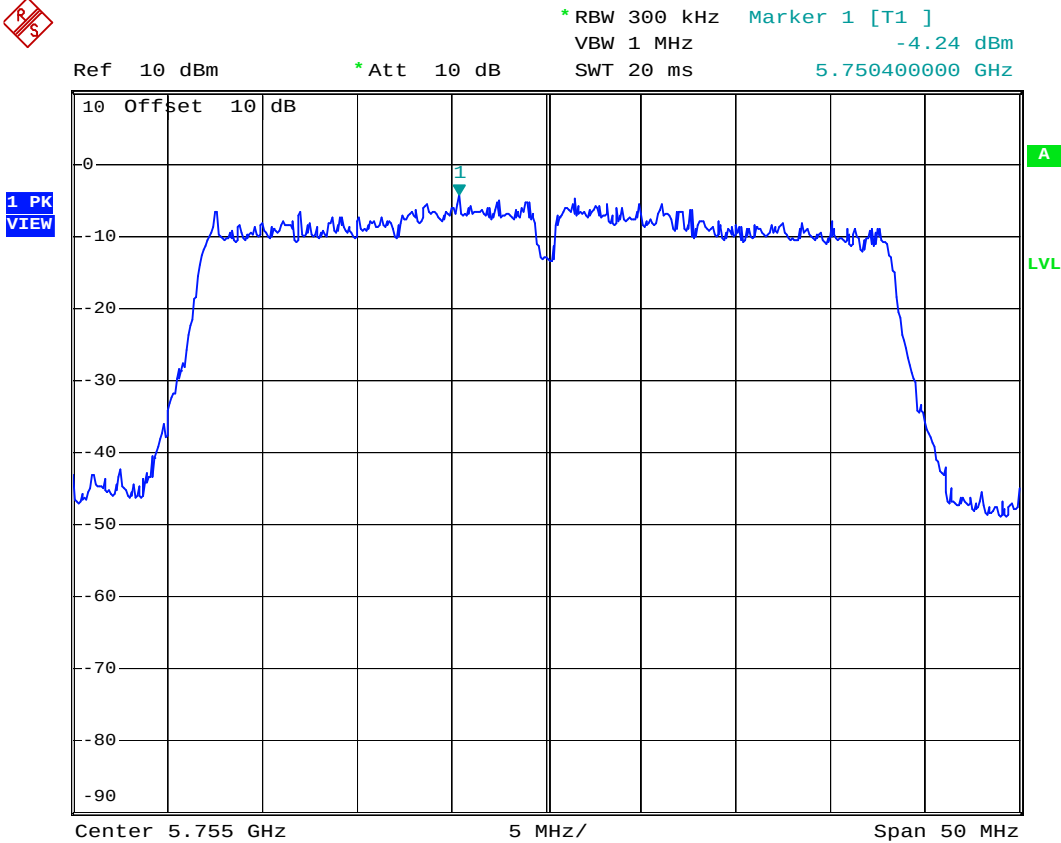
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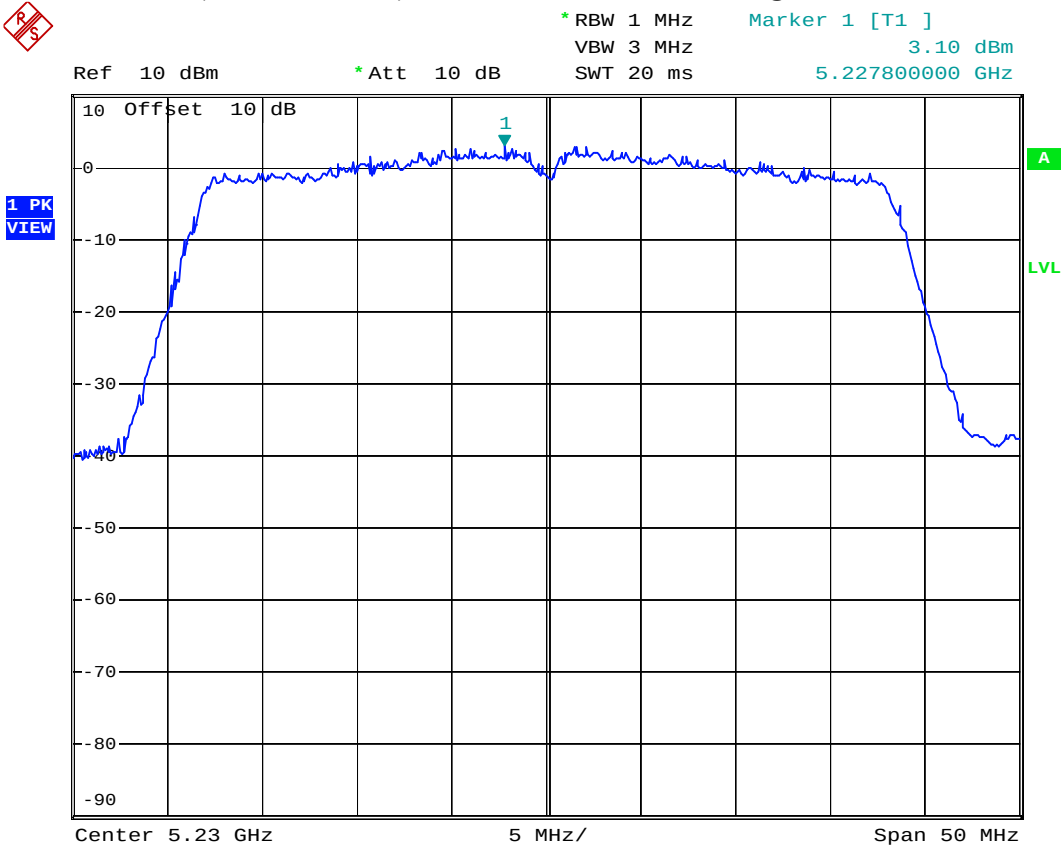
Mode: 5.8GHz(802.11n/ac -40) Band1 ANT 1 / Channel Low



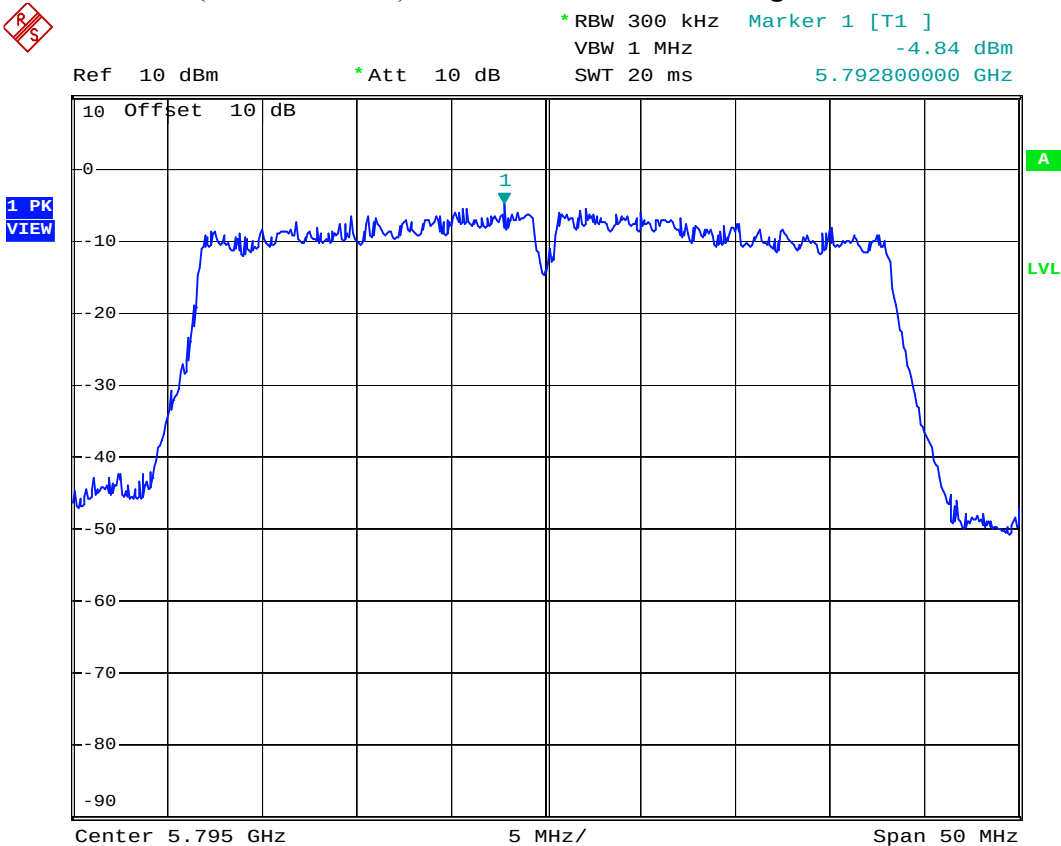
Mode: 5.8GHz(802.11n/ac -40) Band4 ANT 1 / Channel Low



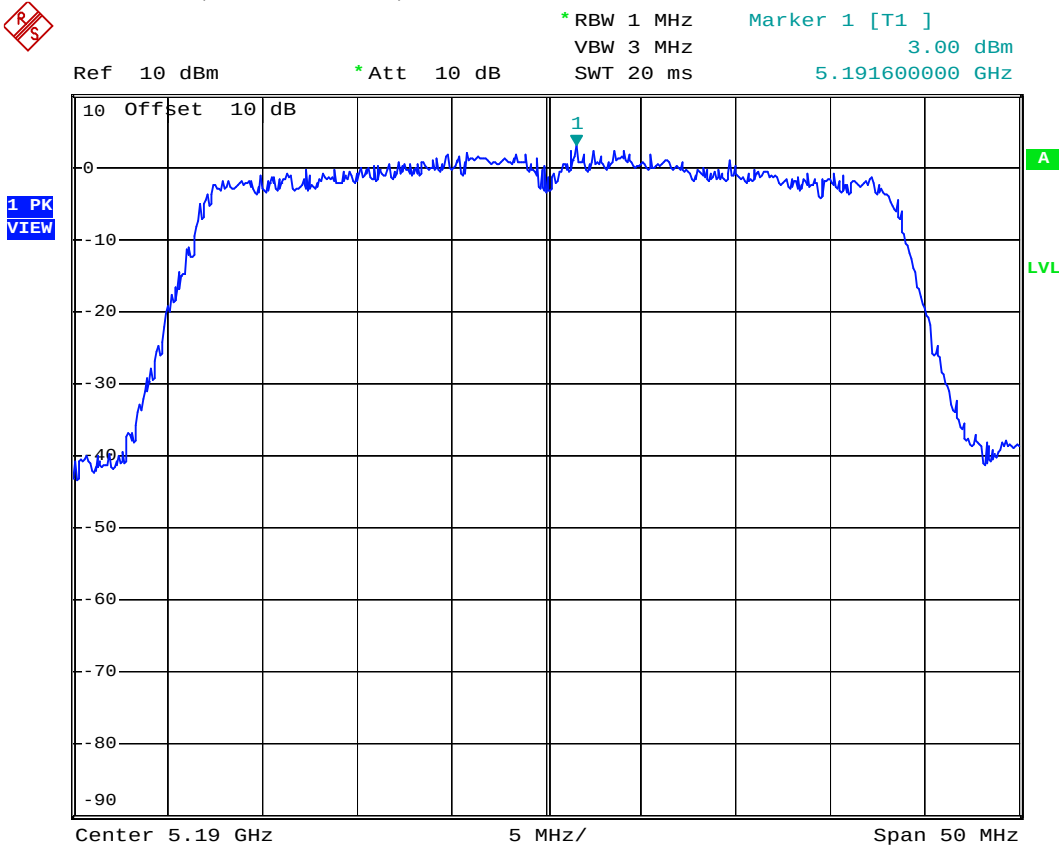
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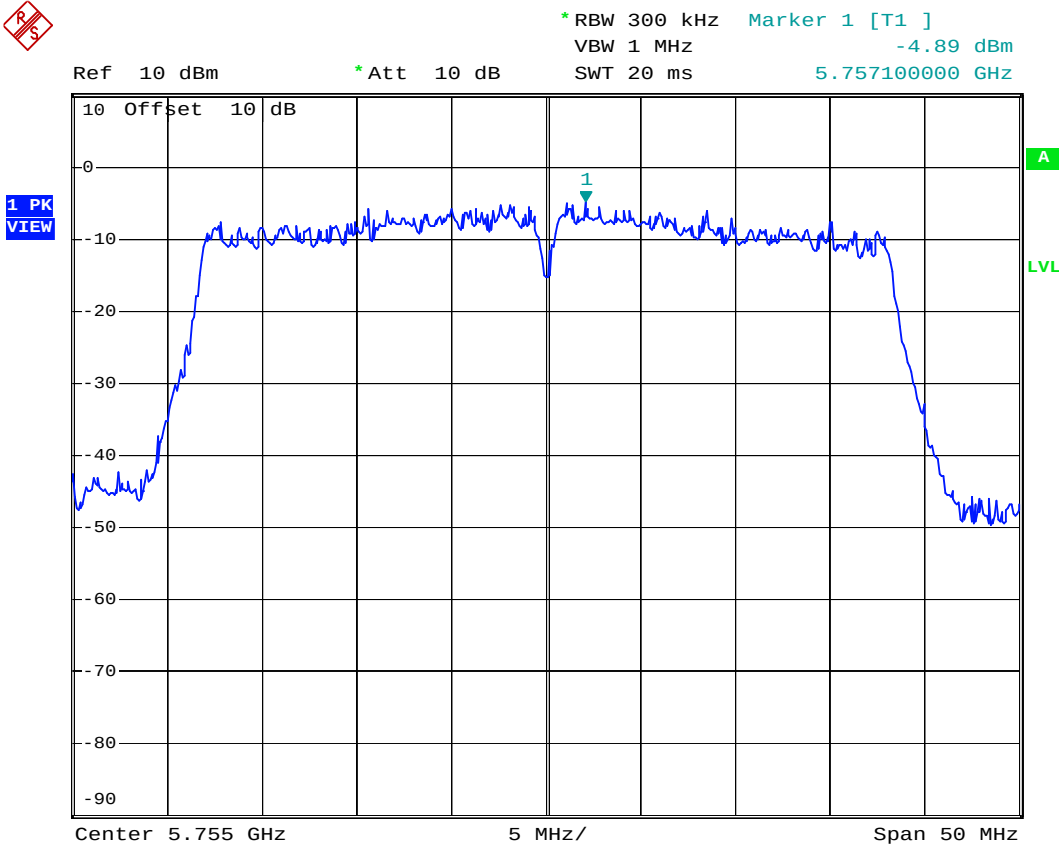
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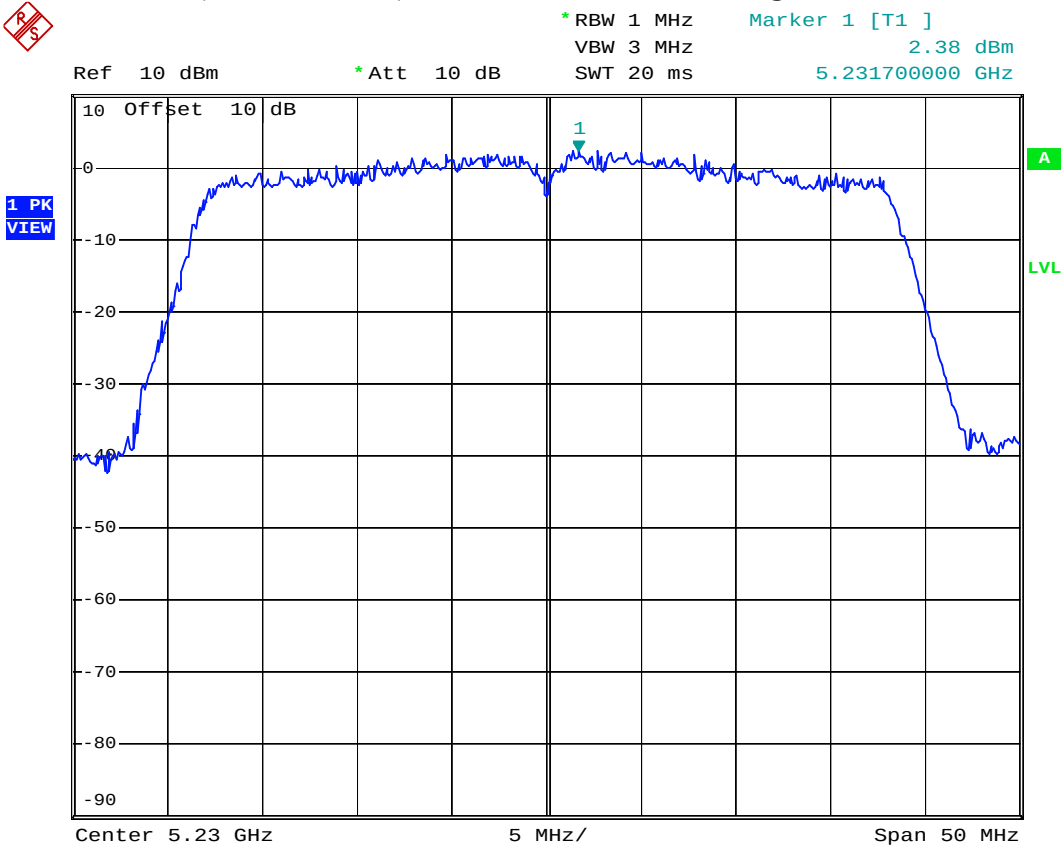
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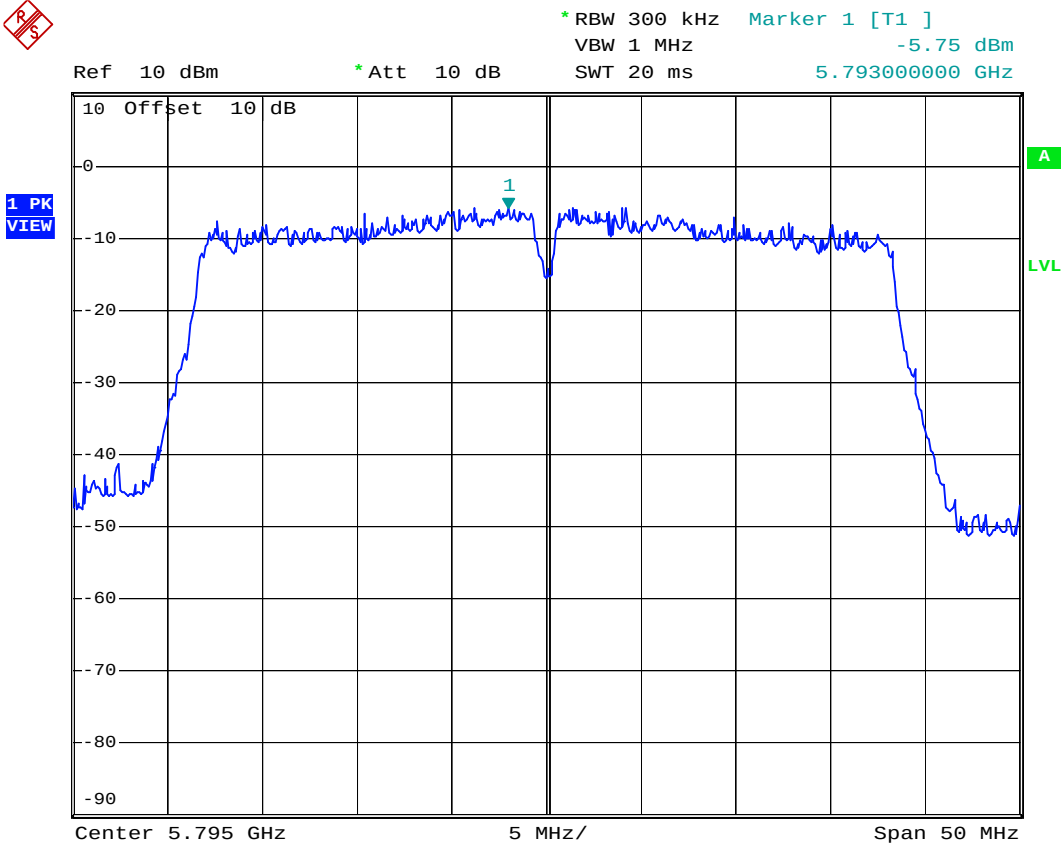
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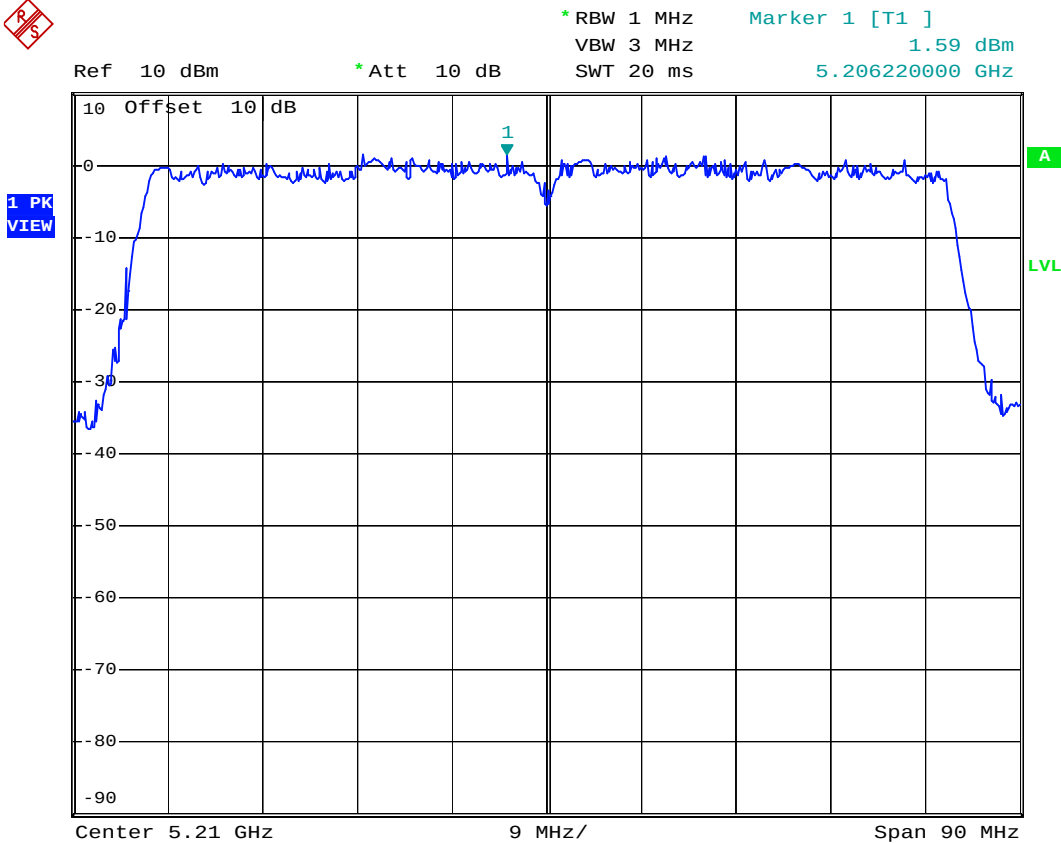
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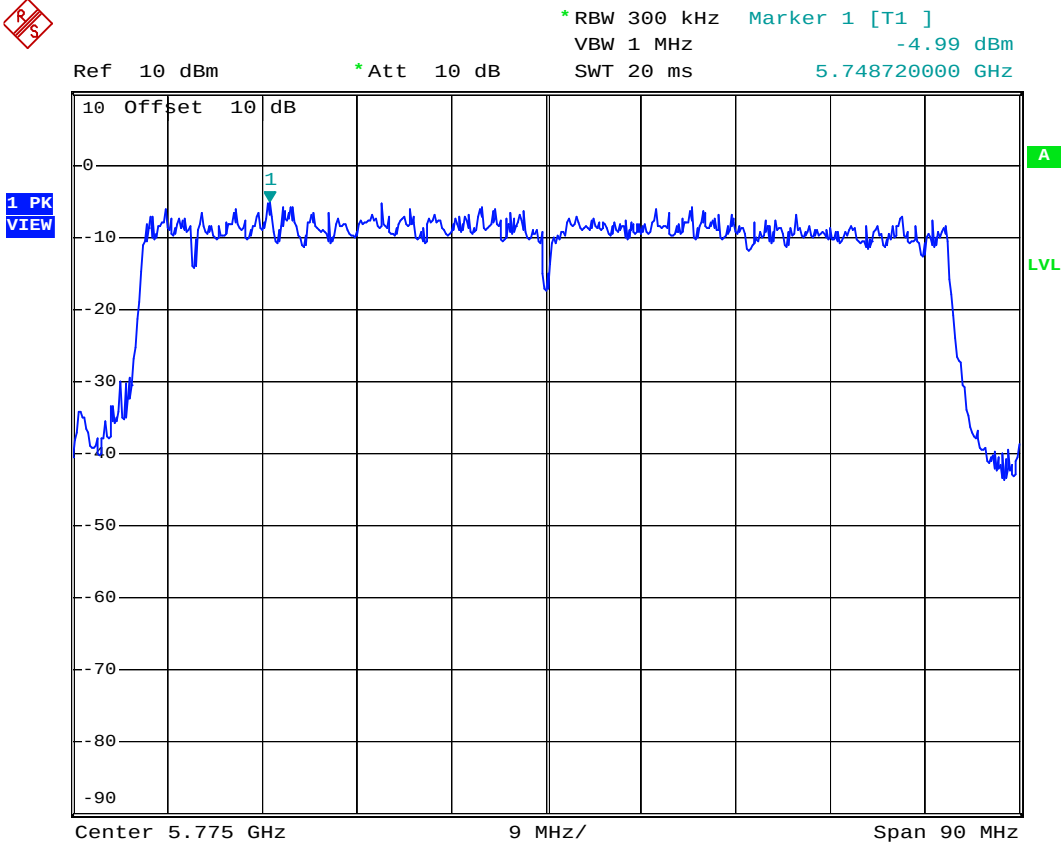
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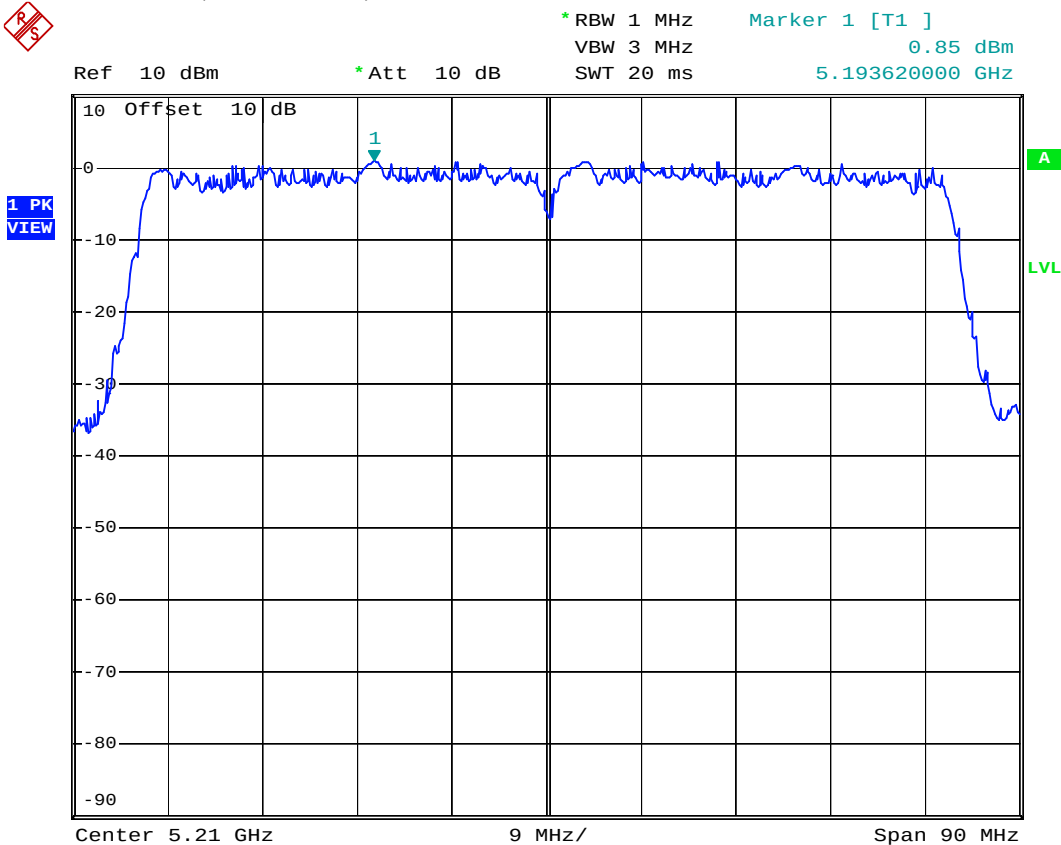
Mode: 5.8GHz(802.11ac-80) Band1 ANT 1/ Channel Low



Mode: 5.8GHz(802.11ac-80) Band4 ANT 1/ Channel Low



Mode: 5.8GHz(802.11ac-80) Band1 ANT 2/ Channel Low



Mode: 5.8GHz(802.11ac-80) Band4 ANT 2/ Channel Low

