

**FCC PART 74 / IC RSS-210 TEST REPORT**

**for**

**Wireless Microphone**

**Model No.: ACT-32HC**

**FCC ID: M5X-ACT32HC**

**IC: 2978A-ACT32HC**

**of**

**Applicant: MIPRO Electronics Co., Ltd.**

**Address: 814 Pei-kang Road 600 Chia-yi Taiwan, R.O.C**

**Tested and Prepared**

**by**

**Worldwide Testing Services (Taiwan) Co., Ltd.**

**FCC Registration No.: 930600**

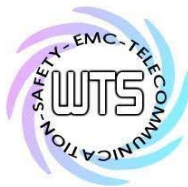
**Industry Canada filed test laboratory Reg. No. IC 5679A-1, IC 5107A-1**

**A2LA Accredited No.: 2732.01**



**Report No.: W6M21405-14188-C-1**

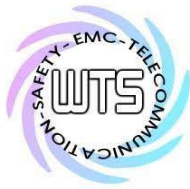
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Registration number: W6M21405-14188-C-1  
FCC ID: M5X-ACT32HC  
IC: 2978A-ACT32HC

## **TABLE OF CONTENTS**

|          |                                                                               |           |
|----------|-------------------------------------------------------------------------------|-----------|
| <b>1</b> | <b>GENERAL INFORMATION.....</b>                                               | <b>3</b>  |
| 1.1      | NOTES.....                                                                    | 3         |
| 1.2      | TESTING LABORATORY .....                                                      | 4         |
| 1.2.1    | Location .....                                                                | 4         |
| 1.2.2    | Details of accreditation status .....                                         | 4         |
| 1.3      | DETAILS OF APPROVAL HOLDER.....                                               | 5         |
| 1.4      | APPLICATION DETAILS .....                                                     | 5         |
| 1.5      | GENERAL INFORMATION OF TEST ITEM.....                                         | 5         |
| 1.6      | TEST STANDARDS.....                                                           | 6         |
| <b>2</b> | <b>TECHNICAL TEST.....</b>                                                    | <b>7</b>  |
| 2.1      | SUMMARY OF TEST RESULTS .....                                                 | 7         |
| 2.2      | TEST ENVIRONMENT .....                                                        | 7         |
| 2.3      | TEST EQUIPMENT LIST.....                                                      | 8         |
| 2.4      | GENERAL TEST PROCEDURE .....                                                  | 10        |
| <b>3</b> | <b>TEST RESULTS (ENCLOSURE) .....</b>                                         | <b>11</b> |
| <b>4</b> | <b>RF POWER OUTPUT (CONDUCTED) , FCC 2.1046 (A) ; 74.861 (E) .....</b>        | <b>12</b> |
| 4.1      | TEST PROCEDURE.....                                                           | 12        |
| 4.2      | TEST RESULTS .....                                                            | 12        |
| <b>5</b> | <b>RADIATED POWER.....</b>                                                    | <b>13</b> |
| 5.1      | TEST PROCEDURE .....                                                          | 13        |
| 5.2      | TEST RESULTS .....                                                            | 15        |
| <b>6</b> | <b>MODULATION DEVIATION , FCC 2.1047 (B) ; 74.861(E).....</b>                 | <b>27</b> |
| 6.1      | TEST PROCEDURE.....                                                           | 27        |
| 6.2      | TEST RESULTS .....                                                            | 27        |
| <b>7</b> | <b>AUDIO FREQUENCY RESPONSE , FCC 2.1047 (A).....</b>                         | <b>28</b> |
| 7.1      | TEST PROCEDURE.....                                                           | 28        |
| 7.2      | TEST RESULTS .....                                                            | 28        |
| <b>8</b> | <b>OCCUPIED BANDWIDTH/EMISSION MASK, FCC 2.1049 (C) ; 74.861 (E)(5) .....</b> | <b>29</b> |
| 8.1      | TEST PROCEDURE.....                                                           | 29        |
| 8.2      | TEST RESULTS.....                                                             | 29        |
| 8.3      | LIMIT .....                                                                   | 38        |
| <b>9</b> | <b>SPURIOUS EMISSIONS AT ANTENNA TERMINALS FCC2.1051 ; 74.861 (E) .....</b>   | <b>39</b> |
| 9.1      | TEST PROCEDURE .....                                                          | 39        |
| 9.2      | TEST RESULTS .....                                                            | 39        |
| 9.3      | LIMIT .....                                                                   | 39        |

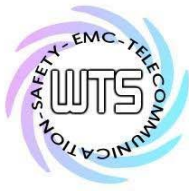


Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

|           |                                                                            |           |
|-----------|----------------------------------------------------------------------------|-----------|
| <b>10</b> | <b>RADIATED SPURIOUS EMISSION , FCC 2.1053 ; 74.861 (E).....</b>           | <b>41</b> |
| 10.1      | TEST PROCEDURE.....                                                        | 41        |
| 10.2      | TEST RESULTS .....                                                         | 41        |
| 10.3      | EXPLANATION OF TEST RESULT.....                                            | 42        |
| 10.4      | LIMITS .....                                                               | 42        |
| <b>11</b> | <b>LINE CONDUCTED EMISSION , FCC 15.207.....</b>                           | <b>43</b> |
| 11.1      | TEST PROCEDURE.....                                                        | 43        |
| 11.2      | TEST RESULTS .....                                                         | 43        |
| <b>12</b> | <b>FREQUENCY STABILITY VS. TEMPERATURE , FCC 2.1055 , 74.861 (E) .....</b> | <b>44</b> |
| 12.1      | TEST PROCEDURE.....                                                        | 44        |
| 12.2      | TEST RESULTS .....                                                         | 44        |
| <b>13</b> | <b>FREQUENCY STABILITY VS. VOLTAGE , FCC 2.1055 (D) ; 74.861 (E).....</b>  | <b>47</b> |
| 13.1      | TEST PROCEDURE.....                                                        | 47        |
| 13.2      | TEST RESULTS .....                                                         | 47        |



# **Worldwide Testing Services(Taiwan) Co., Ltd.**

Registration number: W6M21405-14188-C-1  
FCC ID: M5X-ACT32HC  
IC: 2978A-ACT32HC

## **1 General Information**

### **1.1 Notes**

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems. The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

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### **Tester:**

March 04, 2015

Rick Chen

*Rick Chen.*

Date

WTS-Lab.

Name

Signature

### **Technical responsibility for area of testing:**

March 04, 2015

Kevin Wang

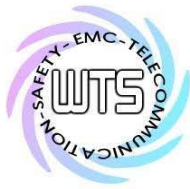
*Kevin Wang*

Date

WTS

Name

Signature



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Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **1.2 Testing laboratory**

### **1.2.1 Location**

OATS

No.5-1, Lishui, Shuang Sing Village,

Wanli Dist., New Taipei City 207,

Taiwan (R.O.C.)

3 meter semi-anechoic chamber

No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)

TEL:886-2-6613-0228

FAX:886-2-2791-5046

Company

Worldwide Testing Services(Taiwan) Co., Ltd.

6F, NO. 58, LANE 188, RUEY-KUANG RD.

NEIHU, TAIPEI 114, TAIWAN R.O.C.

Tel : 886-2-66068877

Fax : 886-2-66068879

### **1.2.2 Details of accreditation status**

**Accredited testing laboratory**

**A2LA accredited number: 2732.01**

**FCC filed test laboratory Reg. No. 930600**

**Industry Canada filed test laboratory Reg. No. IC 5679A-1, IC 5107A-1**



**Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :**

Name: ./.

Accredited number: ./.

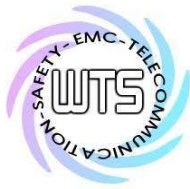
Street: ./.

Town: ./.

Country: ./.

Telephone: ./.

Fax: ./.



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Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **1.3 Details of approval holder**

Name: MIPRO Electronics Co., Ltd.  
Street: 814 Pei-kang Road 600  
Town: Chia-yi  
Country: Taiwan, R.O.C  
Telephone: +886-5-238-0809  
Fax: +886-5-238-0803

## **1.4 Application details**

Date of receipt of test sample: July 11, 2014  
Date of test: from July 14, 2014 to March 04, 2015

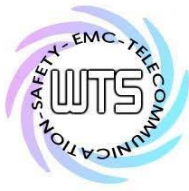
## **1.5 General information of Test item**

Type of test item: Wireless Microphone  
Model Number: ACT-32HC  
Brand Name: MIPRO, ITEC (for model number WM 5320)  
Multi-listing model number: WM 5320, ACT-3XXX (X=0~9, A~Z,a~z or blank)  
Photos: see Annex

## **Technical data**

Frequency band :

| Frequency(MHz)  | TV Band                             | Used Band                           |
|-----------------|-------------------------------------|-------------------------------------|
| 26.100-26.480   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 54.000-72.000   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 76.000-88.000   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 161.625-161.775 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 174.000-216.000 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 450.000-451.000 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 455.000-456.000 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 470.000-488.000 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 488.000-494.000 | <input type="checkbox"/>            | <input type="checkbox"/>            |
| 494.000-608.000 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 614.000-698.000 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| 944.000-952.000 | <input type="checkbox"/>            | <input type="checkbox"/>            |



# ***Worldwide Testing Services(Taiwan) Co., Ltd.***

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

Frequency ( ch A): 506.5 MHz

Frequency ( ch B): 557 MHz

Frequency ( ch C): 607.9 MHz

Frequency ( ch D): 614.1 MHz

Frequency ( ch E): 656 MHz

Frequency ( ch F): 697.9 MHz

Antenna Type: Helical Antenna

Antenna Gain: 0 dBi

Power supply: Battery 3.7 VDC

Operation modes: Simplex

## **Manufacturer:** (if applicable)

Name: ./.

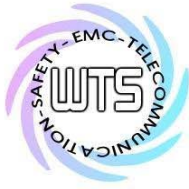
Street: ./.

Town: ./.

Country: ./.

## **1.6 Test standards**

Technical standard: FCC Part 74 Subpart H , section 74.861 (2013-10)  
CANADA RSS-210 Issue 8, Amendment 1 February 2015



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

**2 Technical test**

**2.1 Summary of test results**

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



**or**

The deviations as specified in 3 were ascertained in the course of the tests performed.



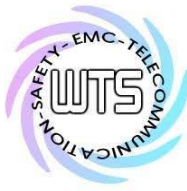
**2.2 Test environment**

Temperature: 23 °C

Relative humidity content: 20 ... 75 %

Air pressure: 86-103 KPa





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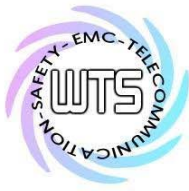
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FCC ID: M5X-ACT32HC

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## 2.3 Test Equipment List

| No.          | Test equipment                              | Type            | Serial No.    | Manufacturer       | Cal. Date     | Next Cal. Date |
|--------------|---------------------------------------------|-----------------|---------------|--------------------|---------------|----------------|
| ETSTW-CE 001 | EMI TEST RECEIVER                           | ESHS10          | 842121/013    | R&S                | 2014/9/2      | 2015/9/1       |
| ETSTW-CE 003 | AC POWER SOURCE                             | APS-9102        | D161137       | GW                 | Function Test |                |
| ETSTW-CE 008 | HF-EICHLITUNG RF STEP ATTENUATOR 139dB DPSP | 334.6010.02     | 844581/024    | R&S                | Function Test |                |
| ETSTW-CE 009 | TEMP.&HUMIDITY CHAMBER                      | GTH-225-40-1P-U | MAA0305-009   | GIANT FORCE        | 2014/7/8      | 2015/7/7       |
| ETSTW-CE 016 | TWO-LINE V-NETWORK                          | ENV216          | 100050        | R&S                | 2014/10/13    | 2015/10/12     |
| ETSTW-RE 004 | EMI TEST RECEIVER                           | ESI 40          | 832427/004    | R&S                | 2014/9/2      | 2015/9/1       |
| ETSTW-RE 005 | EMI TEST RECEIVER                           | ESVS10          | 843207/020    | R&S                | 2014/9/2      | 2015/9/1       |
| ETSTW-RE 012 | TUNABLE BANDREJECT FILTER                   | D.C 0309        | 146           | K&L                | Function Test |                |
| ETSTW-RE 013 | TUNABLE BANDREJECT FILTER                   | D.C 0336        | 397           | K&L                | Function Test |                |
| ETSTW-RE 018 | MICROWAVE HORN ANTENNA                      | AT4560          | 27212         | AR                 | 2014/10/15    | 2015/10/14     |
| ETSTW-RE 027 | Passive Loop Antenna                        | 6512            | 00034563      | ETS-Lindgren       | 2014/7/01     | 2015/6/30      |
| ETSTW-RE 030 | Double-Ridged Guide Horn Antenna            | 3117            | 00035224      | ETS-Lindgren       | 2015/2/17     | 2016/2/16      |
| ETSTW-RE 045 | ESA-E SERIES SPECTRUM ANALYZER              | E4404B          | MY45111242    | Agilent            | Pre-test Use  |                |
| ETSTW-RE 049 | TRILOG Super Broadband test Antenna         | VULB 9160       | 9160-3185     | Schwarzbeck        | 2015/2/17     | 2016/2/16      |
| ETSTW-RE 050 | Attenuator 10dB                             | 50HF-010-1      | None          | JFW                | 2015/2/17     | 2016/2/16      |
| ETSTW-RE 051 | Attenuator 6dB                              | 50HF-006-1      | None          | JFW                | 2015/2/17     | 2016/2/16      |
| ETSTW-RE 053 | Attenuator 3dB                              | 50HF-003-1      | None          | JFW                | 2015/2/17     | 2016/2/16      |
| ETSTW-RE 055 | SPECTRUM ANALYZER                           | FSU 26          | 200074        | R&S                | 2014/6/05     | 2015/6/04      |
| ETSTW-RE 060 | Attenuator 30dB                             | 5015-30         | F651012z-01   | ATM                | 2015/2/17     | 2016/2/16      |
| ETSTW-RE 062 | Amplifier Module                            | CHC 2           | None          | KMIC               | 2014/11/26    | 2015/11/25     |
| ETSTW-RE 064 | Bluetooth Test Set                          | MT8852B-042     | 6K00005709    | Anritsu            | Function Test |                |
| ETSTW-RE 069 | Double-Ridged Guide Horn Antenna            | 3117            | 00069377      | ETS-Lindgren       | Function Test |                |
| ETSTW-RE 072 | CELL SITE TEST SET                          | 8921A           | 3339A00375    | HP                 | 2014/10/9     | 2015/10/8      |
| ETSTW-RE 088 | SOLID STATE AMPLIFIER                       | KMA180265A01    | 99057         | KMIC               | 2014/9/22     | 2015/9/21      |
| ETSTW-RE 099 | DC Block                                    | 50DB-007-1      | None          | JFW                | 2015/2/17     | 2016/2/16      |
| ETSTW-RE 106 | Humidity Temperature Meter                  | TES-1366        | 091011113     | TES                | 2014/11/7     | 2015/11/6      |
| ETSTW-RE 111 | TRILOG Super Broadband test Antenna         | VULB 9160       | 9160-3309     | Schwarz beck       | 2014/12/5     | 2015/12/4      |
| ETSTW-RE 112 | AC POWER SOURCE                             | TFC-1005        | None          | T-Power            | Function test |                |
| ETSTW-RE 115 | 2.4GHz Notch Filter                         | N0124411        | 473874        | MICROWAVE CIRCUITS | 2015/1/7      | 2016/1/6       |
| ETSTW-RE 120 | RF Player                                   | MP9200          | MP9210-111022 | ADIVIC             | Function test |                |
| ETSTW-RE 122 | SIGNAL GENERATOR                            | SMF100A         | 102149        | R&S                | 2014/6/11     | 2015/6/10      |



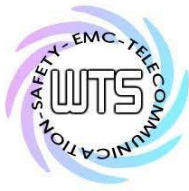
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Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

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|                 |                                      |                                        |              |                   |                  |            |
|-----------------|--------------------------------------|----------------------------------------|--------------|-------------------|------------------|------------|
| ETSTW-RE 125    | 5GHz Notch filter                    | 5NSL11-5200/E221.3-O/O                 | 1            | K&L Microwave     | 2014/8/12        | 2015/8/11  |
| ETSTW-RE 126    | 5GHz Notch filter                    | 5NSL11-5800/E221.3-O/O                 | 1            | K&L Microwave     | 2014/8/12        | 2015/8/11  |
| ETSTW-RE 127    | RF Switch Box                        | RFS-01                                 | None         | WTS               | 2015/2/17        | 2016/2/16  |
| ETSTW-RE 128    | 5.3GHz Notch filter                  | N0153001                               | SN487233     | Microwave Circits | 2014/8/12        | 2015/8/11  |
| ETSTW-RE 129    | 5.5GHz Notch filter                  | N0555984                               | SN487234     | Microwave Circits | 2014/8/12        | 2015/8/11  |
| ETSTW-RE 130    | Handheld RF Spectrum Analyzer        | N9340A                                 | CN0147000204 | Agilent           | Pre-test Use     |            |
| ETSTW-GSM 002   | Universal Radio Communication Tester | CMU 200                                | 109439       | R&S               | 2014/10/20       | 2015/10/19 |
| ETSTW-GSM 019   | Band Reject Filter                   | WRCTF824/849-822/851-40 /12+9SS        | 3            | WI                | 2015/1/7         | 2016/1/6   |
| ETSTW-GSM 020   | Band Reject Filter                   | WRCD1747/1748-1743/1752-32/5SS         | 1            | WI                | 2015/1/7         | 2016/1/6   |
| ETSTW-GSM 021   | Band Reject Filter                   | WRCD1879.5/1880.5-1875.5/1884.5-32/5SS | 3            | WI                | 2015/1/7         | 2016/1/6   |
| ETSTW-GSM 022   | Band Reject Filter                   | WRCT901.9/903.1-904.25-50/8SS          | 1            | WI                | 2015/1/7         | 2016/1/6   |
| ETSTW-GSM 023   | Power Divider                        | 4901.19.A                              | None         | SUHNER            | 2014/9/17        | 2015/9/16  |
| ETSTW-Cable 010 | BNC Cable                            | 5 M BNC Cable                          | None         | JYE BAO CO.,LTD.  | 2014/10/15       | 2015/10/14 |
| ETSTW-Cable 011 | BNC Cable                            | BNC Cable 1                            | None         | JYE BAO CO.,LTD.  | Pre-test Use NCR |            |
| ETSTW-Cable 012 | N TYPE To SMA Cable                  | Cable 012                              | None         | JYE BAO CO.,LTD.  | 2014/10/15       | 2015/10/14 |
| ETSTW-Cable 016 | BNC Cable                            | Switch Box                             | B Cable 1    | Schwarz beck      | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 017 | BNC Cable                            | X Cable                                | B Cable 2    | Schwarz beck      | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 018 | BNC Cable                            | Y Cable                                | B Cable 3    | Schwarz beck      | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 019 | BNC Cable                            | Z Cable                                | B Cable 4    | Schwarz beck      | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 022 | N TYPE Cable                         | 5006                                   | 0002         | JYE BAO CO.,LTD.  | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 026 | Microwave Cable                      | SUCOFLEX 104                           | 279075       | HUBER+SUHNER      | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 027 | Microwave Cable                      | SUCOFLEX 104                           | 279083       | HUBER+SUHNER      | 2014/3/3         | 2015/3/2   |
| ETSTW-Cable 028 | Microwave Cable                      | FA147A0015M2020                        | 30064-2      | UTIFLEX           | 2015/1/16        | 2016/1/15  |
| ETSTW-Cable 029 | Microwave Cable                      | FA147A0015M2020                        | 30064-3      | UTIFLEX           | 2014/9/22        | 2015/9/21  |
| ETSTW-Cable 030 | Microwave Cable                      | SUCOFLEX 104 (S_Cable 9)               | 279067       | HUBER+SUHNER      | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 031 | Microwave Cable                      | SUCOFLEX 104 (S_Cable 10)              | 238092       | HUBER+SUHNER      | 2014/11/26       | 2015/11/25 |
| ETSTW-Cable 043 | Microwave Cable                      | SUCOFLEX 104                           | 317576       | HUBER+SUHNER      | 2014/11/26       | 2015/11/25 |
| ETSTW-Cable 048 | Microwave Cable                      | SUCOFLEX 104                           | 325518       | HUBER+SUHNER      | 2014/11/26       | 2015/11/25 |
| ETSTW-Cable 053 | N TYPE To SMA Cable                  | RG142                                  | None         | JYE BAO CO.,LTD.  | 2015/2/17        | 2016/2/16  |
| ETSTW-Cable 058 | Microwave Cable                      | SUCOFLEX 104                           | none         | HUBER+SUHNER      | 2015/2/17        | 2016/2/16  |
| WTSTW-SW 002    | EMI TEST SOFTWARE                    | EZ EMC                                 | None         | Farad             | Version ETS-03A1 |            |



Registration number: W6M21405-14188-C-1  
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## **2.4 General Test Procedure**

**POWER LINE CONDUCTED INTERFERENCE:** The procedure used was ANSI STANDARD C63.4-2009 5.2 using a 50 $\mu$ H LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

**RADIATION INTERFERENCE:** The test procedure used was according to ANSI STANDARD C63.4-2009 6.4 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100 kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the UUT was 23°C with a humidity of 40 %.

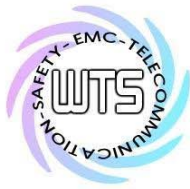
The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (1) If the intentional radiator operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- (2) If the intentional radiator operates at or above 10 GHz and below 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
- (3) If the intentional radiator operates at or above 30 GHz: to the fifth harmonic of the highest fundamental frequency or to 200 GHz, whichever is lower, unless specified otherwise elsewhere in the rules.
- (4) If the intentional radiator contains a digital device, regardless of whether this digital device controls the functions of the intentional radiator or the digital device is used for additional control or function purposes other than to enable the operation of the intentional radiator, the frequency range shall be investigated up to the range specified in paragraphs (a)(1)-(a)(3) of this section or the range applicable to the digital device, as shown in paragraph (b)(1) of this Section, whichever is the higher frequency range of investigation.

For hand-held devices, a exploratory test was performed with three (3) orthogonal planes to determine the highest emissions.

Measurements were made by at the registered open field test site located at The Registration Number: When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

ANSI STANDARD C63.4-2009 10.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software 'EZ EMC' was used for setting up different operation modes.



Registration number: W6M21405-14188-C-1

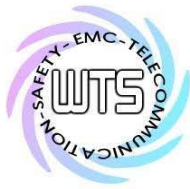
FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **3 Test results (enclosure)**

| Test case                               | Para. Number                                                    | Required                            | Test passed                         | Test failed              |
|-----------------------------------------|-----------------------------------------------------------------|-------------------------------------|-------------------------------------|--------------------------|
| RF Power Output                         | 2.1046 (a);<br>74.861 (e)(1)<br>RSS-210 Section 6               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Modulation Deviation                    | 2.1047 (b);<br>74.861 (e)(2)<br>RSS-210 section 6               | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Audio Frequency Response                | 2.1047 (a)                                                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Occupied Bandwidth / Emission Mask      | 2.1049 (c)(1);<br>74.861 (e)(5)<br>RSS-210 Section 6<br>RSS-Gen | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious Emissions at Antenna Terminals | 2.1051<br>74.861(e)(6)<br>RSS-210 Section 6                     | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| Radiated Spurious Emission              | 2.1053<br>74.861(e)(6)<br>RSS-210 Section 6                     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Line Conducted Emissions                | 15.207<br>RSS-Gen                                               | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| Frequency Stability vs. Temperature     | 2.1055 (b);<br>74.861(e)(4)<br>RSS-210 Section 6<br>RSS-Gen     | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Frequency Stability vs. Voltage         | 2.1055 (a)(1);<br>74.861 (e)(4)<br>RSS-210 Section 6<br>RSS-Gen | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The following is intentionally left blank.



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **4 RF Power Output (conducted) , FCC 2.1046 (a) ; 74.861 (e)**

### **4.1 Test procedure**

This transmitter output was connected to a calibrated coaxial attenuator, the other end of which was connected to a spectrum analyzer. Transmitter output was derived with the spectrum analyzer in dBm. The power output at the transmitter antenna port was determined by assign the value of the attenuator to the spectrum analyzer reading.

An HP power meter was also used to measure the RF power.

Tests were performed with an un-modulated carrier at three frequencies (low , middle and high channels ) and on all power levels , which can be set-up on the transmitters.

### **4.2 Test Results**

| <b>Frequency Channel</b> | <b>Peak Output Power ( dBm )</b> |
|--------------------------|----------------------------------|
| -- MHz                   | --                               |
| -- MHz                   | --                               |
| -- MHz                   | --                               |

Limits:

| <b>LPAS operating in TV bands</b> |                                      |
|-----------------------------------|--------------------------------------|
| <b>Frequency [MHz]</b>            | <b>Conducted output power [ mW ]</b> |
| 54 – 72<br>76 – 88<br>174 - 216   | 50 (17 dBm)                          |
| 470 – 608<br>614 - 698            | 250 (24 dBm)                         |

| <b>LPAS operating in other than TV bands</b> |   |
|----------------------------------------------|---|
| <b>Conducted power [W]</b>                   | 1 |

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

Explanation :This test is not required.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## 5 Radiated Power

### 5.1 Test Procedure

The EUT was positioned on a non-conductive turntable, 0.8m above the ground on an open test site. The radiated emission at the fundamental frequency was measured at 3m distance with a test antenna and spectrum analyzer.

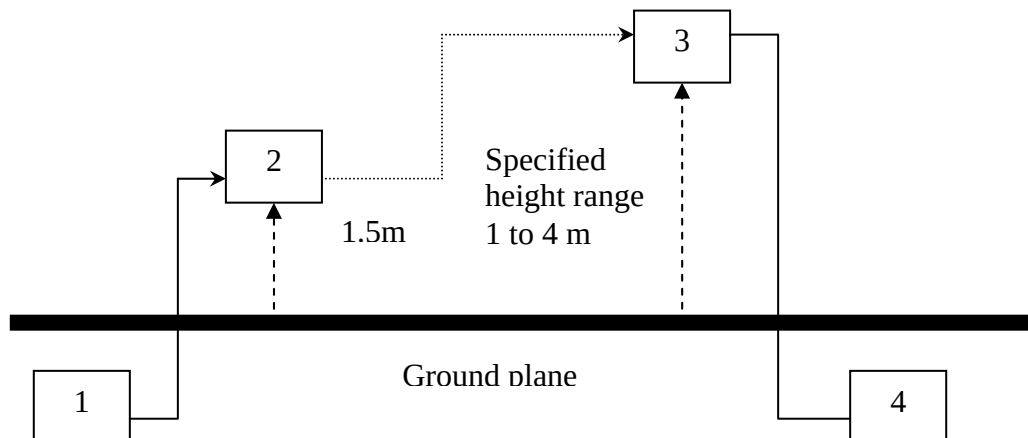
Worst case emission was recorded with the rotation of the turntable and the raising and lowering of the test antenna.

### Substitution RF power Measurement at WTS

General :

The applied substitution method follows ANSI/TIA/EIA-603, ANSI/TIA/EIA-102.CAAA or the appropriate ETSI rules respectively.

The actual signal generated by the EUT can be determined by means of a substitution measurement in which a known signal source replaces the device to be measured.



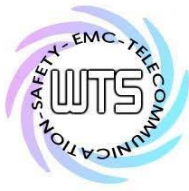
- 1) Signal generator ;
- 2) Substitution antenna ;
- 3) Test antenna ;
- 4) Spectrum analyzer or selective voltmeter.

The substitution antenna replaces the transmitter antenna at the same position and in vertical polarization. The frequency of the signal generator shall be adjusted to the measurement frequency.

The test antenna shall be raised or lowered, if necessary, to ensure that the maximum signal is still received. The input signal to the substitution antenna shall be adjusted in level until an equal or a known related level to that detected from the transmitter is obtained in the measurement receiver.

If a fully anechoic chamber is used as test site in order to provide free space conditions there is no need to change the height of the antenna.

The measurement will be repeated in horizontal position.



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **Calibration :**

In order to make this kind of measurement more effective and to avoid subjective measurement faults ETS has installed automatic computer controlled measurement procedures.

With the above described substitution method a test site is calibrated over the full frequency range which is used in suitable frequency steps. For a certain power level on the substitution antenna the received power over the whole frequency range is documented. All necessary antenna gains, cable losses, filter losses and amplifications of preamplifiers are taken in consideration. The summary of this calibration measurement performs a transducer factor that is related to the considered test site and a certain measurement distance. Differences of the radiated power levels of different test samples are determined by internal attenuation of measurement receiver . The proper function of such test site will be maintained by short term plausibility checks and periodical re-calibration.

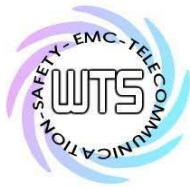
## **Testing :**

Now the test sample will be putted on the table at the defined position and the radiated power will be receiver and documented by the measurement receiver.

On test sites with ground plane the measurement antenna will be lowered and raised to maximum values at significant frequencies.

For peak power measurements the sample is turned by the turntable over 360 degree in order to find the direction with the maximum radiation or to document the max reading with the MAXHOLD function during the rotation.



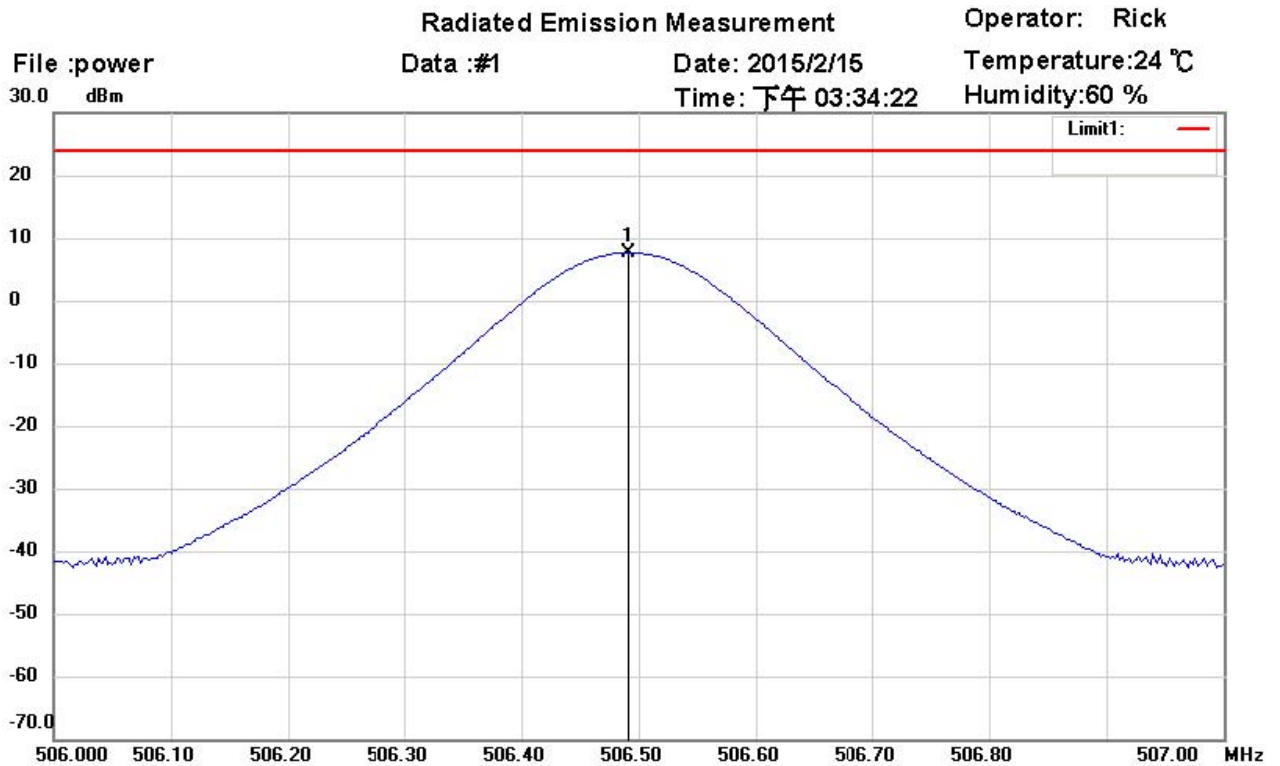


Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## 5.2 Test results



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

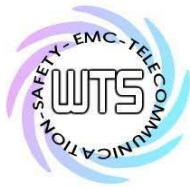
Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 506.4910        | -19.19        | peak     | 26.87             | 7.68         | 24.00       | 150          | 330            | -16.32      |         |





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#2

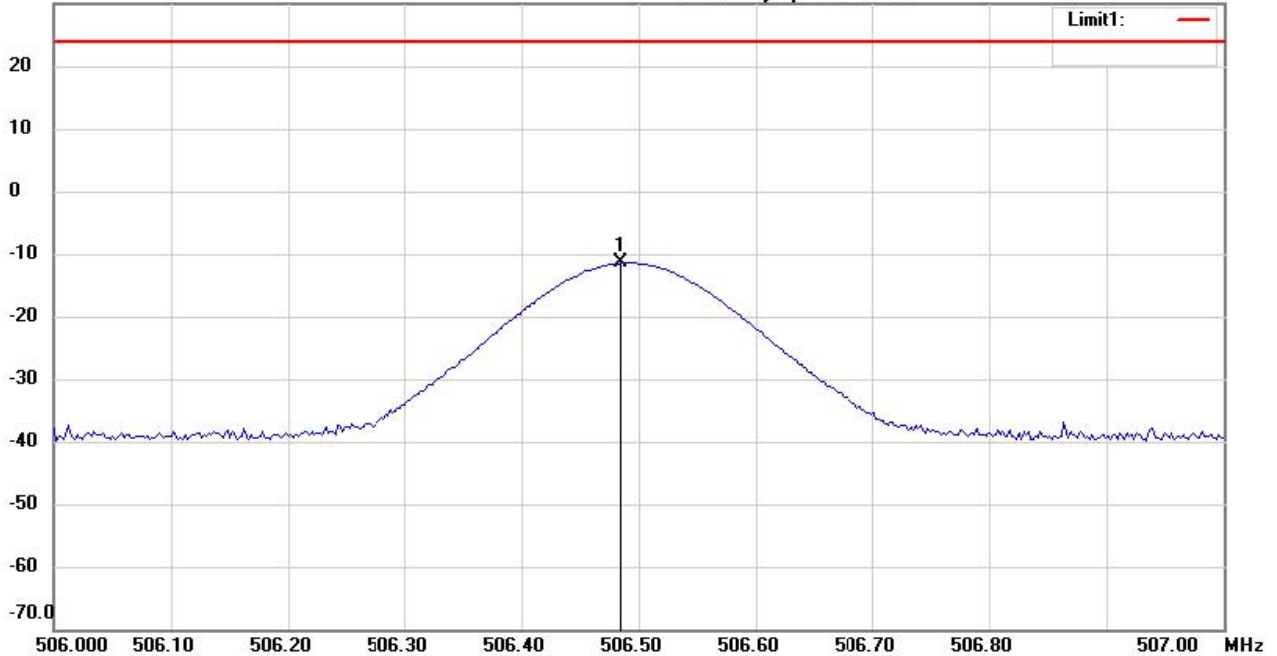
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 03:42:17

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Vertical*

EUT : W6M21405-14188

Power : 3.7Va.c.

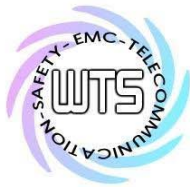
M/N:

Distance: 3m

Test Mode : 506.5MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 506.4850        | -40.68        | peak     | 29.26             | -11.42       | 24.00       | 150          | 100            | -35.42      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#1

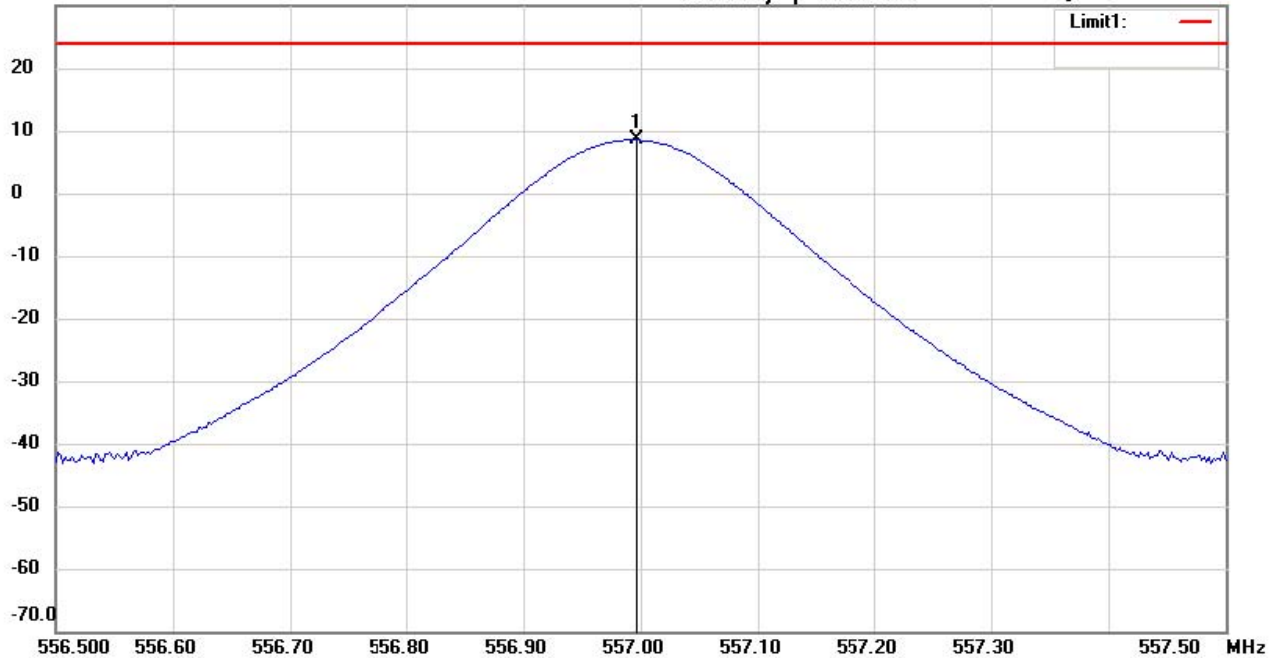
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 03:55:51

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Horizontal*

EUT : W6M21405-14188

Power : 3.7Va.c.

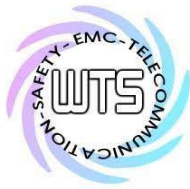
M/N:

Distance: 3m

Test Mode : 557MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 556.9970        | -18.47        | peak     | 27.02             | 8.55         | 24.00       | 150          | 210            | -15.45      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#2

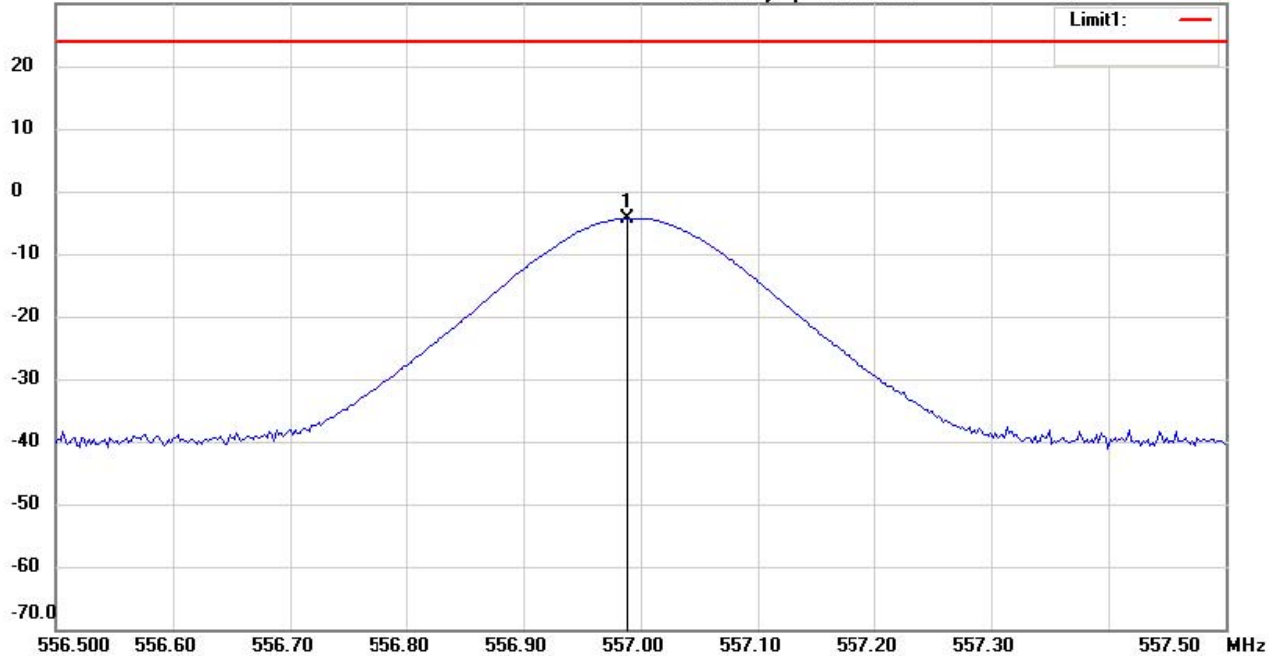
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 03:56:55

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: **Vertical**

EUT : W6M21405-14188

Power : 3.7Va.c.

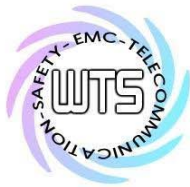
M/N:

Distance: 3m

Test Mode : 557MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 556.9890        | -34.33        | peak     | 30.04             | -4.29        | 24.00       | 150          | 120            | -28.29      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#2

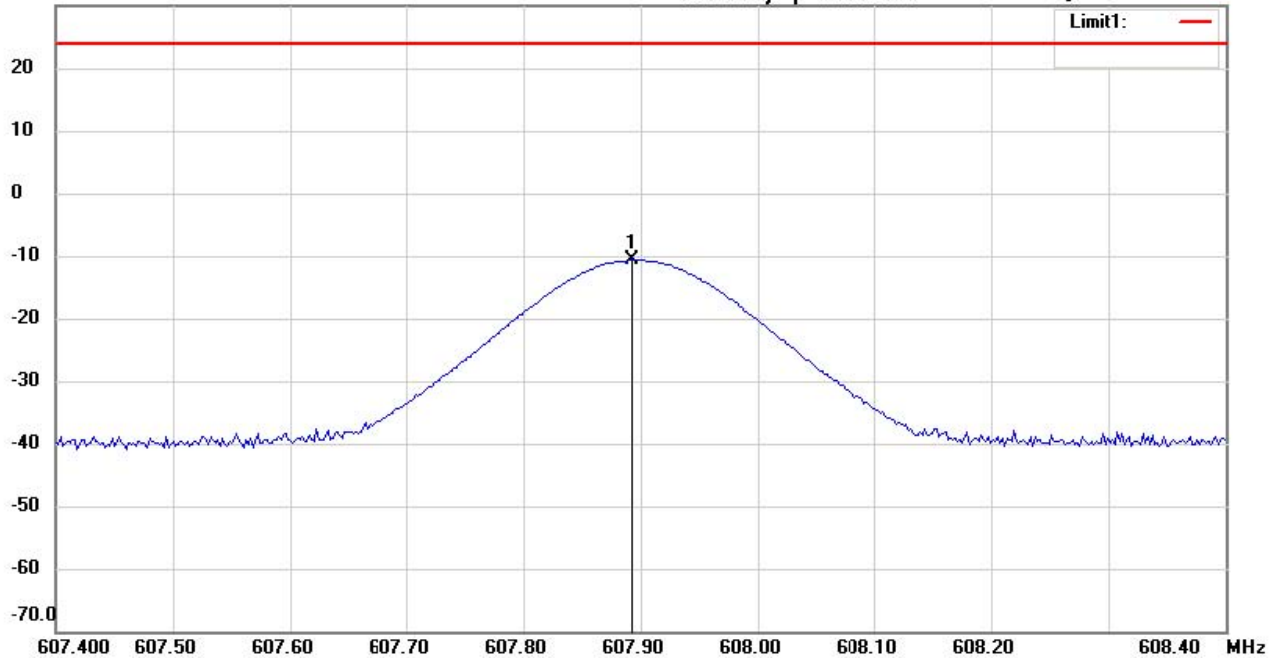
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 04:11:58

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Horizontal*

EUT : W6M21405-14188

Power : 3.7Va.c.

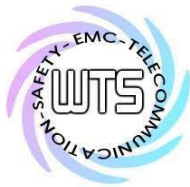
M/N:

Distance: 3m

Test Mode : 607.9MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 607.8930        | -40.29        | peak     | 29.62             | -10.67       | 24.00       | 150          | 70             | -34.67      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#1

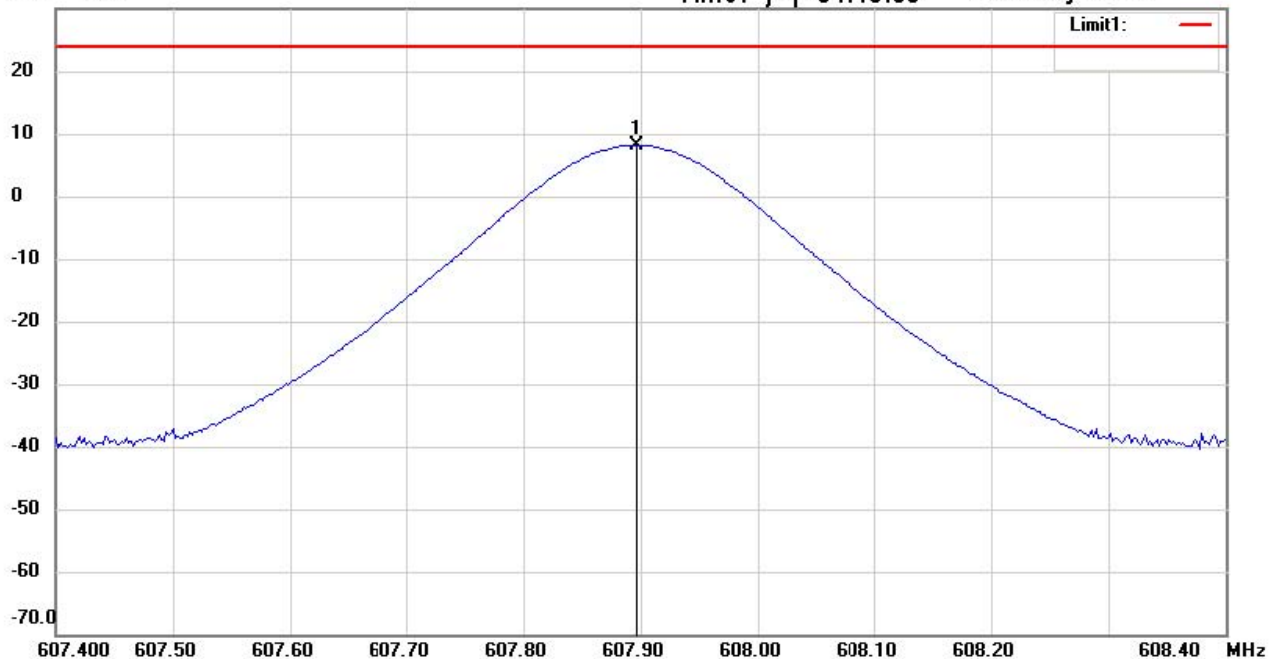
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 04:10:33

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: **Vertical**

EUT : W6M21405-14188

Power : 3.7Va.c.

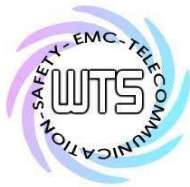
M/N:

Distance: 3m

Test Mode : 607.9MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 607.8970        | -21.51        | peak     | 29.65             | 8.14         | 24.00       | 150          | 300            | -15.86      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#3

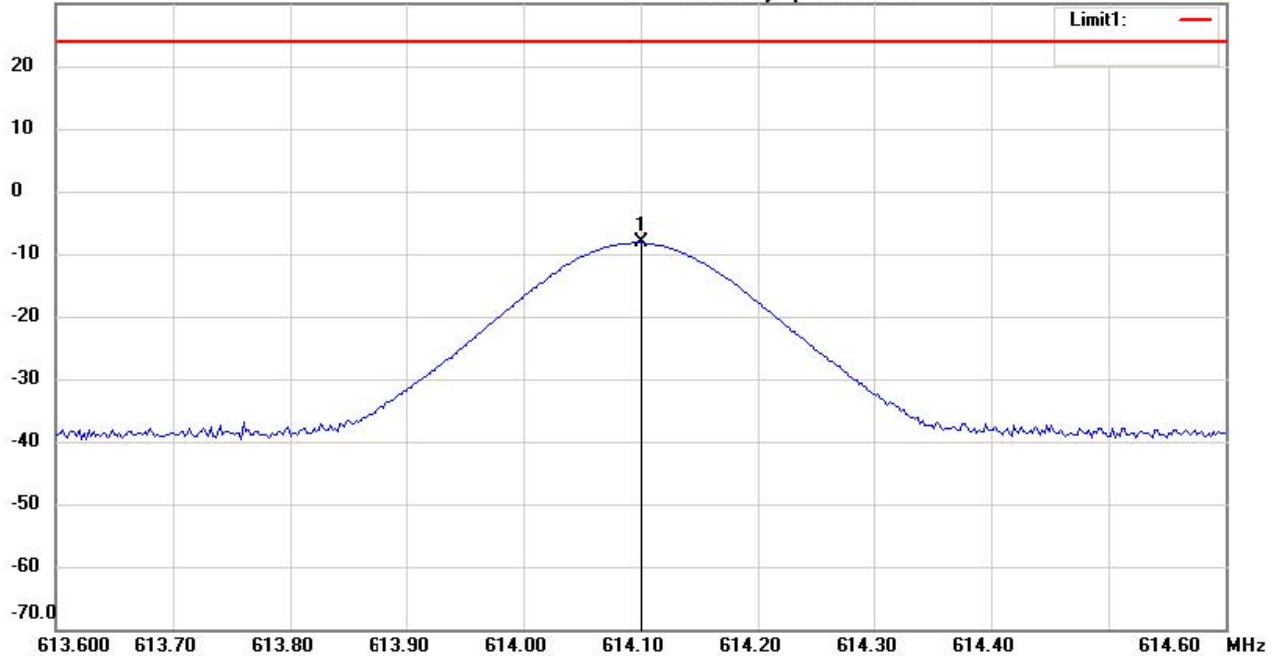
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 04:01:27

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Horizontal*

EUT : W6M21405-14188

Power : 3.7Va.c.

M/N:

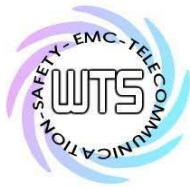
Distance: 3m

Test Mode : 614.1MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 614.1010        | -38.31        | peak     | 30.10             | -8.21        | 24.00       | 150          | 300            | -32.21      |         |





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#1

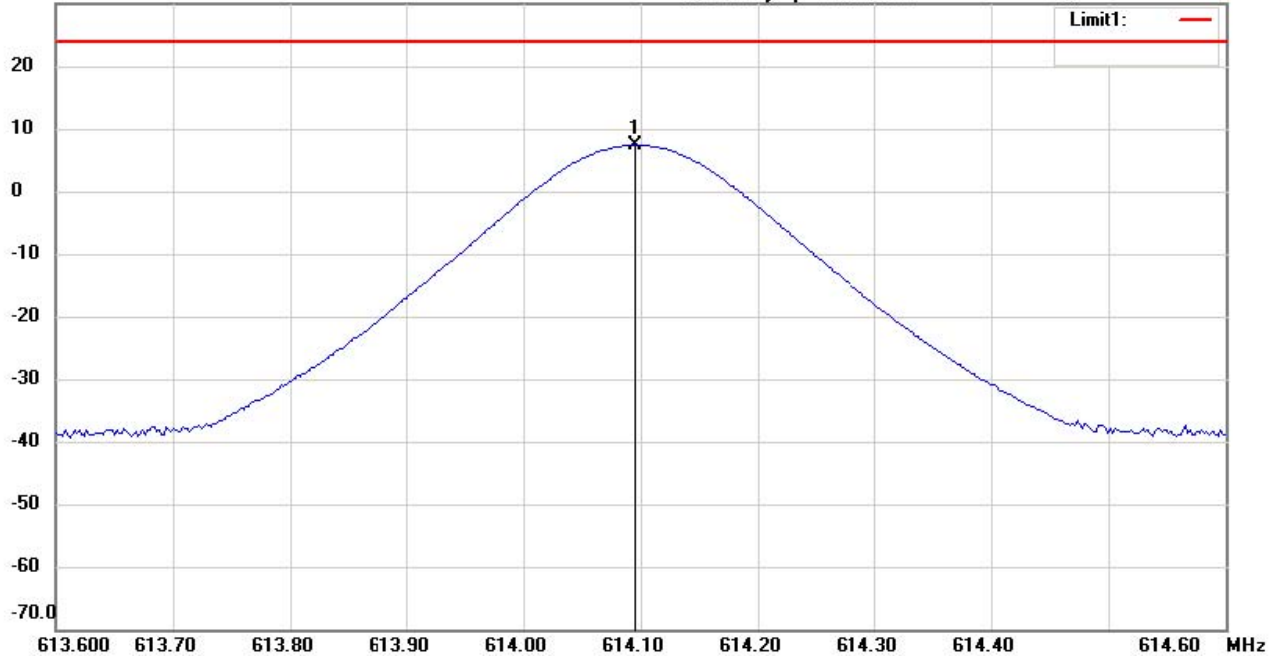
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 04:06:04

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Vertical*

EUT : W6M21405-14188

Power : 3.7Va.c.

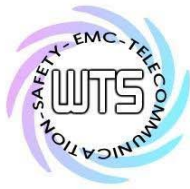
M/N:

Distance: 3m

Test Mode : 614.1MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 614.0950        | -22.32        | peak     | 29.68             | 7.36         | 24.00       | 150          | 300            | -16.64      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#1

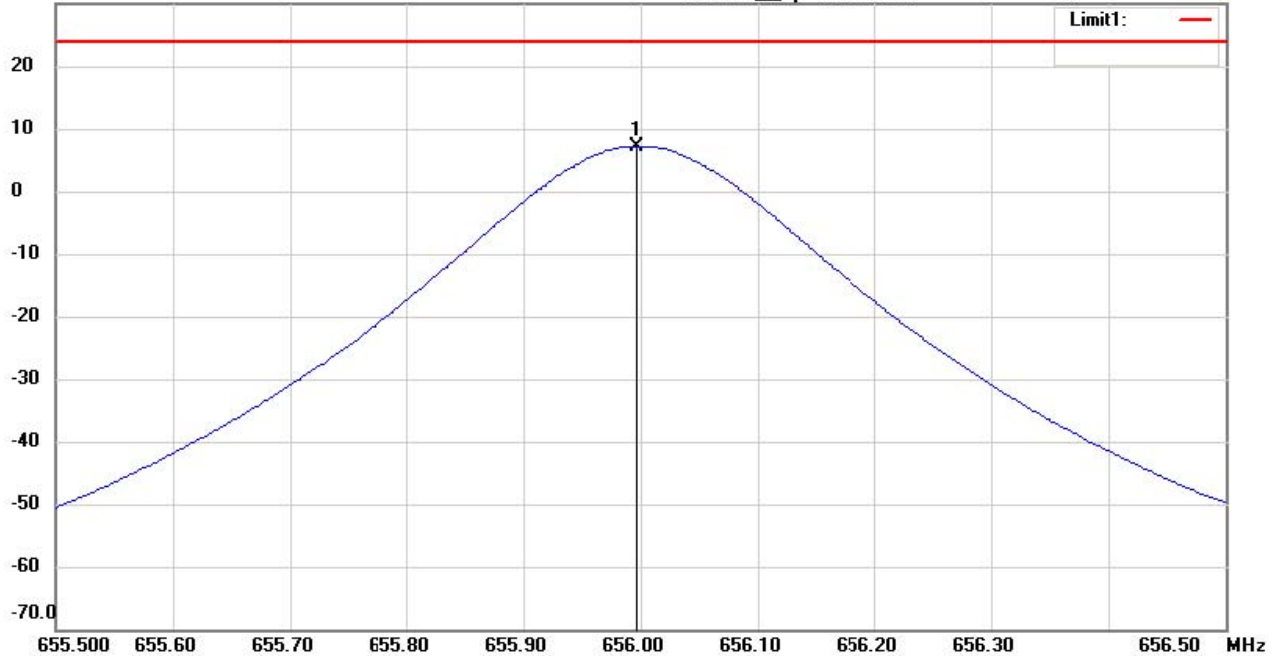
Date: 2015/3/3

Temperature:24 °C

30.0 dBm

Time: 上午 10:03:33

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Horizontal*

EUT : W6M21405-14188

Power : 3.7Va.c.

M/N:

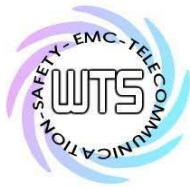
Distance: 3m

Test Mode : 656MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 655.9970        | -25.69        | peak     | 32.85             | 7.16         | 24.00       | 150          | 110            | -16.84      |         |





# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#2

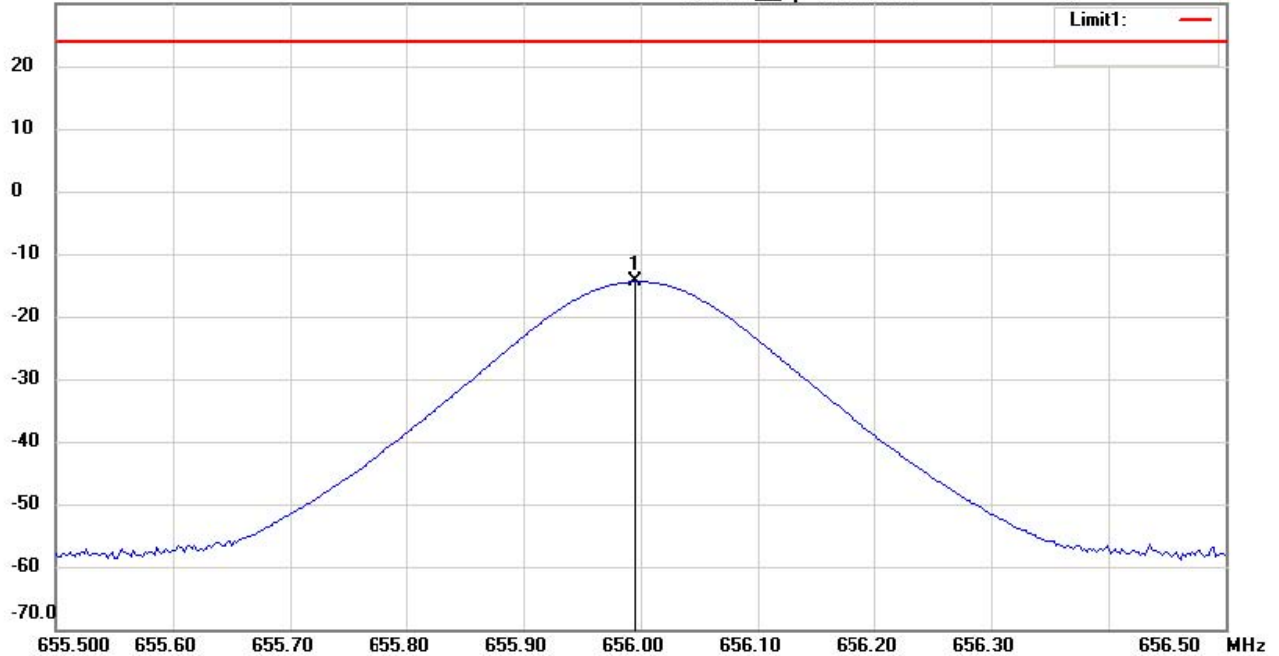
Date: 2015/3/3

Temperature:24 °C

30.0 dBm

Time: 上午 10:08:18

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Vertical*

EUT : W6M21405-14188

Power : 3.7Va.c.

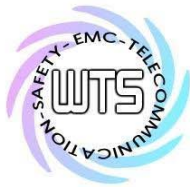
M/N:

Distance: 3m

Test Mode : 656MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 655.9950        | -44.58        | peak     | 30.14             | -14.44       | 24.00       | 150          | 130            | -38.44      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#1

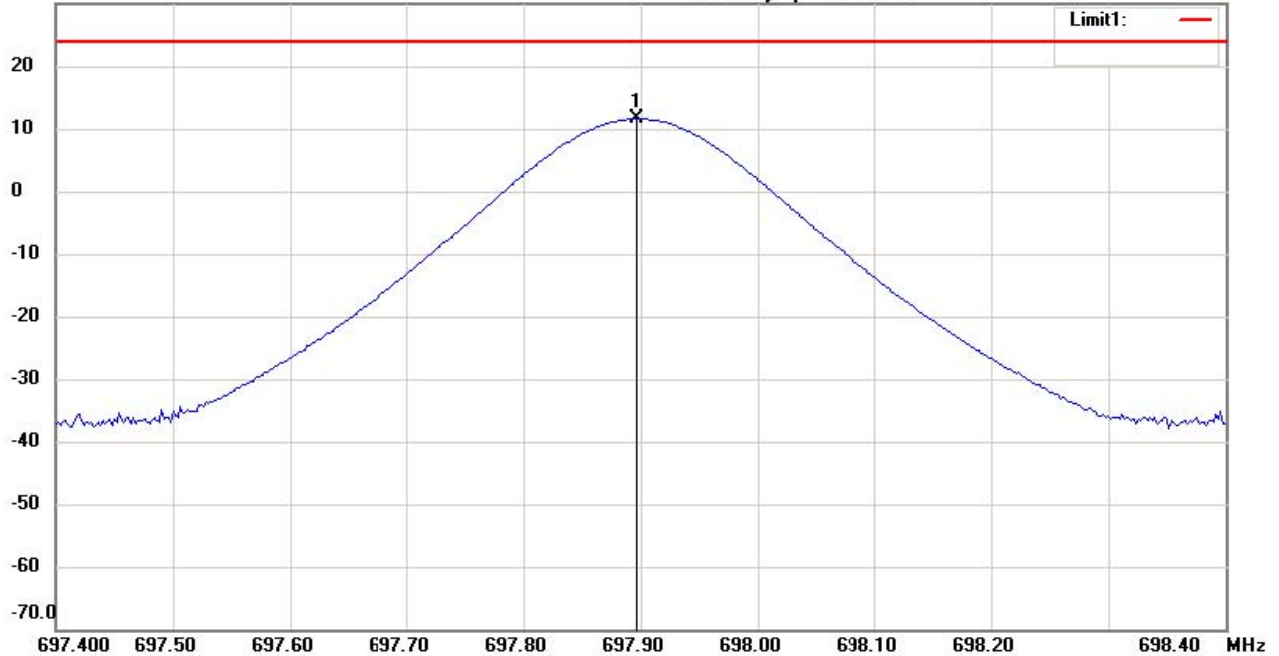
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 03:50:30

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Horizontal*

EUT : W6M21405-14188

Power : 3.7Va.c.

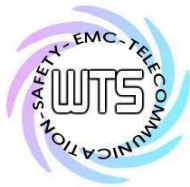
M/N:

Distance: 3m

Test Mode : 697.9MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 697.8970        | -20.85        | peak     | 32.42             | 11.57        | 24.00       | 150          | 200            | -12.43      |         |



# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## Radiated Emission Measurement

Operator: Rick

File :power

Data :#2

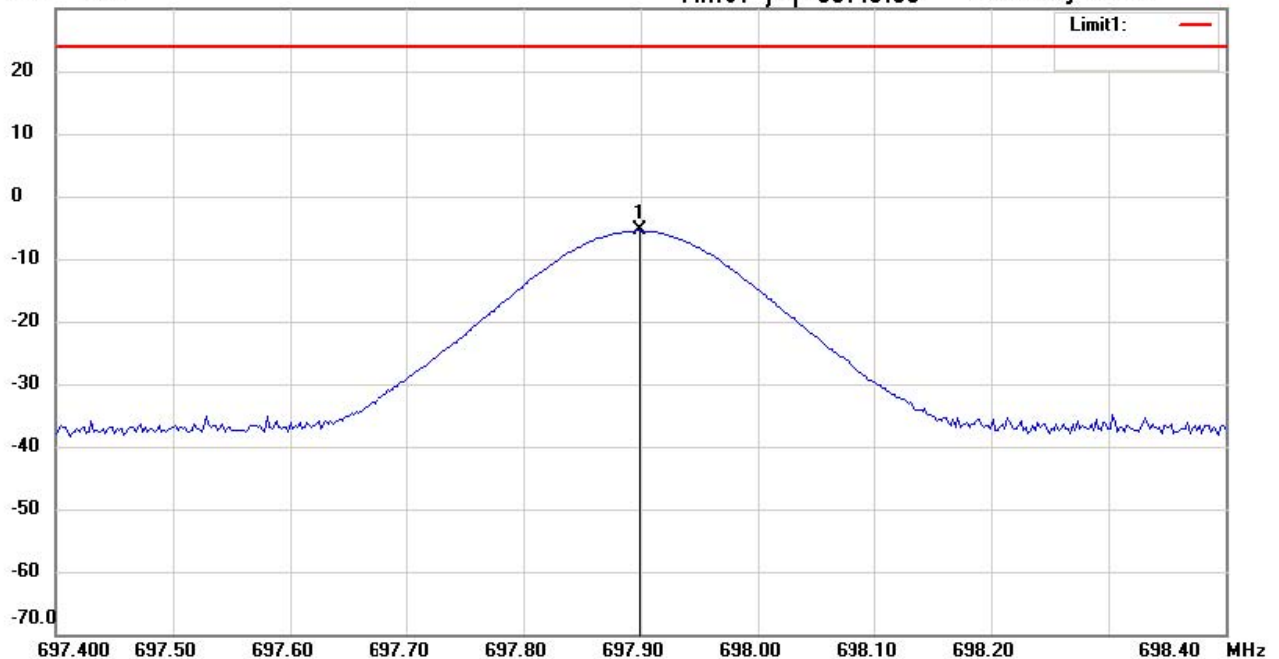
Date: 2015/2/15

Temperature:24 °C

30.0 dBm

Time: 下午 03:46:33

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 power(470-608 and 614-698)

Polarization: *Vertical*

EUT : W6M21405-14188

Power : 3.7Va.c.

M/N:

Distance: 3m

Test Mode : 697.9MHz

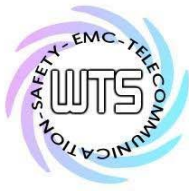
Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 697.8990        | -37.48        | peak     | 32.02             | -5.46        | 24.00       | 150          | 250            | -29.46      |         |

Test equipment used: ETSTW-RE 004, ETSTW-RE 122, ETSTW-RE 042, ETSTW-RE 043

**Limit According to FCC PART 74.861(e)(1) and IC RSS-210 section 6 Table 1:**

**The output power limit: 250 mW (24 dBm)**



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

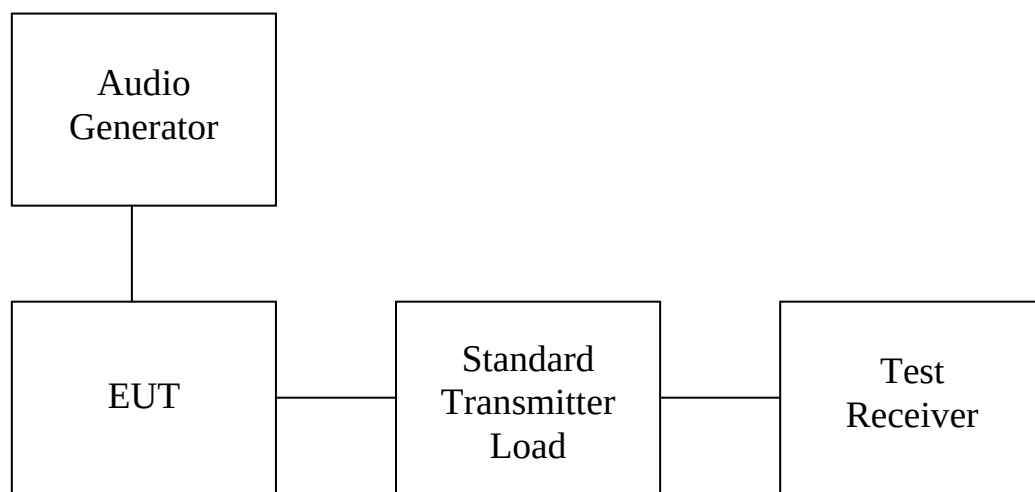
## **6 Modulation Deviation , FCC 2.1047 (b) ; 74.861(e)**

### **6.1 Test procedure**

Modulation limiting is the transmitter circuit's ability to limit the transmitter from producing deviations in excess of rated system deviation.

The audio signal generator is connected to the audio input of the EUT with its full rating.

The modulation response is measured at certain modulation frequencies, related to 1000Hz reference signal. Tests are performed for positive and negative modulation.

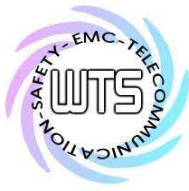


### **6.2 Test results**

Limits :  $\pm 75$  kHz

Test equipment used: ETSTW-RE 072, ETSTW-RE 055, ETSTW-RE 050

Explanation: Please see attached diagrams as appendix.



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **7 Audio frequency response , FCC 2.1047 (a)**

### **7.1 Test procedure**

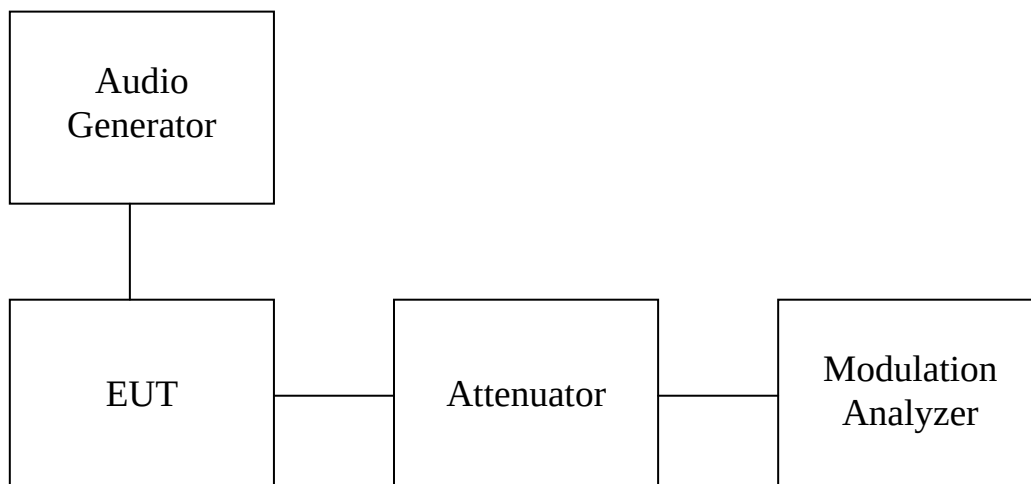
The audio frequency response is the degree of closeness to which the frequency deviation of the transmitter follows a prescribed characteristic.

The frequency response of the audio modulation part is measured over a frequency range of 100 Hz to 5000 Hz.

For 1000 Hz tone reference signal the audio generator level is adjusted to get 20% of the rated system deviation.

The deviations obtained over the frequency range from 100 Hz to 5000 Hz are recorded and compared with the reference deviation as follows :

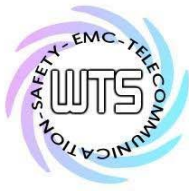
$$\text{Audio Frequency Response} = 20 \log [ \text{DEV}_{\text{Freq}} / \text{DEV}_{\text{ref}} ].$$



### **7.2 Test results**

Explanation: Please see attached diagrams as appendix.

Test equipment used: ETSTW-RE 072



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## 8 Occupied Bandwidth/Emission Mask, FCC 2.1049 (c) ; 74.861 (e)(5)

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power. Near the carrier an Emission Mask is defined by the standard.

### 8.1 Test procedure

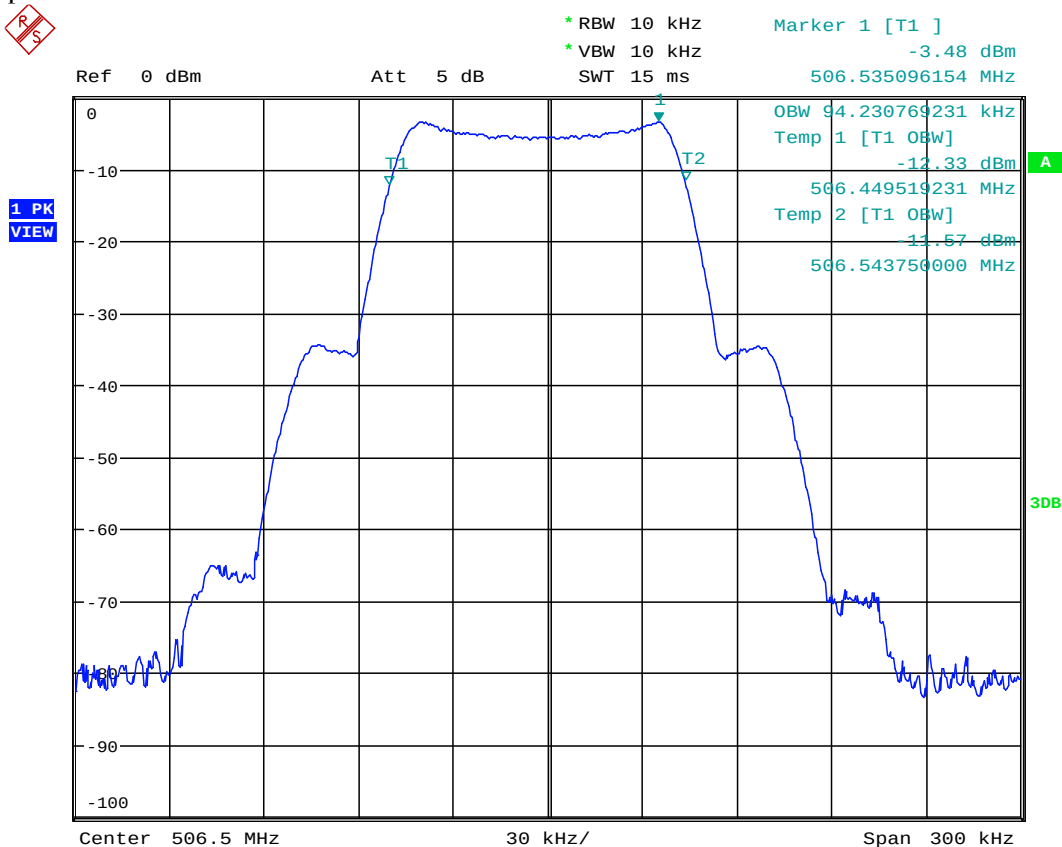
The RF output of the transceiver was connected to the input of the spectrum analyzer through sufficient attenuation.

Occupied Bandwidth was measured with a occupied bandwidth function of the analyzer.

The near the carrier emissions are measured by normal power measurement function of the analyzer.

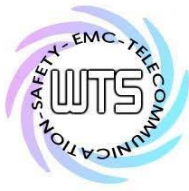
### 8.2 Test Results

Occupied Bandwidth



OCCUPIED BANDWIDTH 506.5MHz 1KHz

Date: 18.FEB.2015 09:46:54

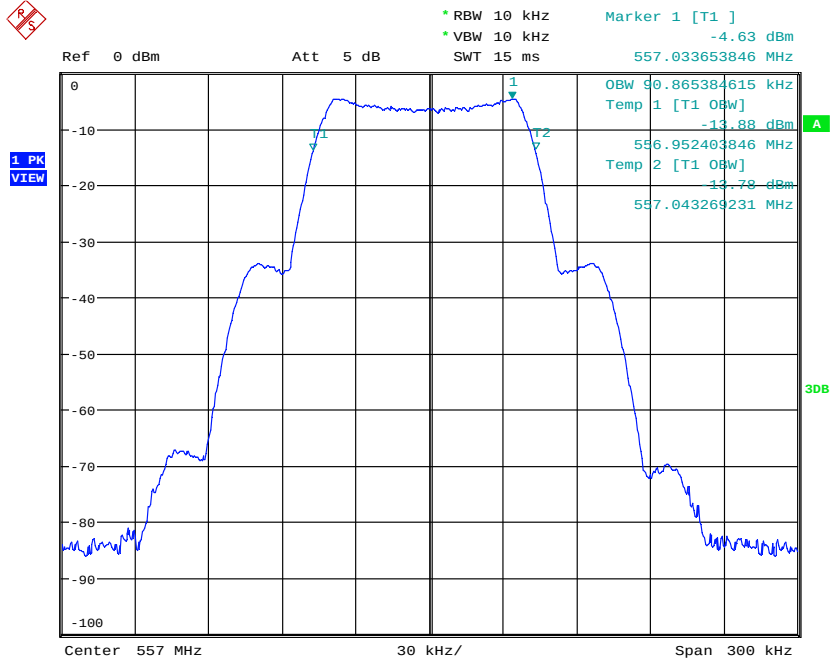


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

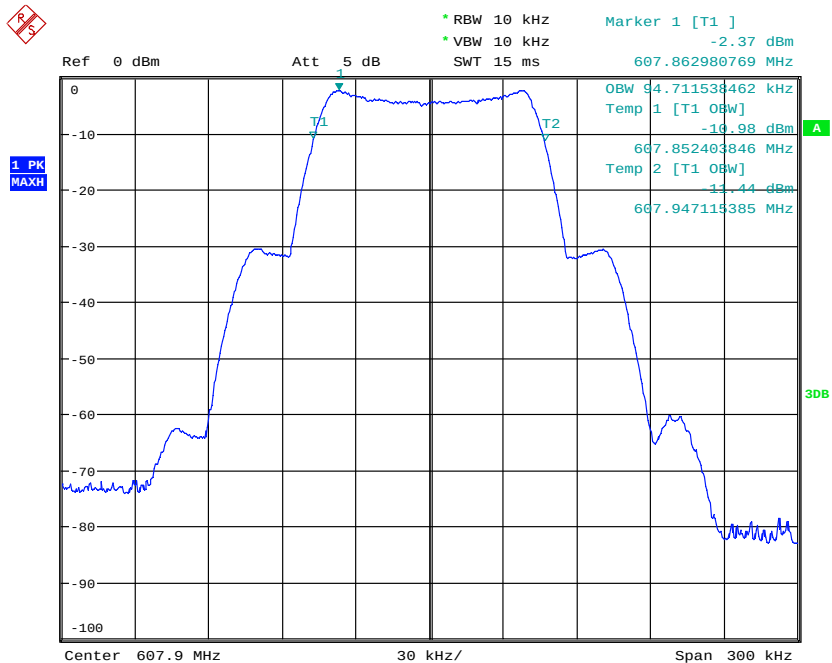
FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC



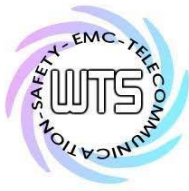
OCCUPIED BANDWIDTH 557MHz 1KHz

Date: 18.FEB.2015 09:55:44



OCCUPIED BANDWIDTH 607.9MHz 1KHz

Date: 18.FEB.2015 09:24:48

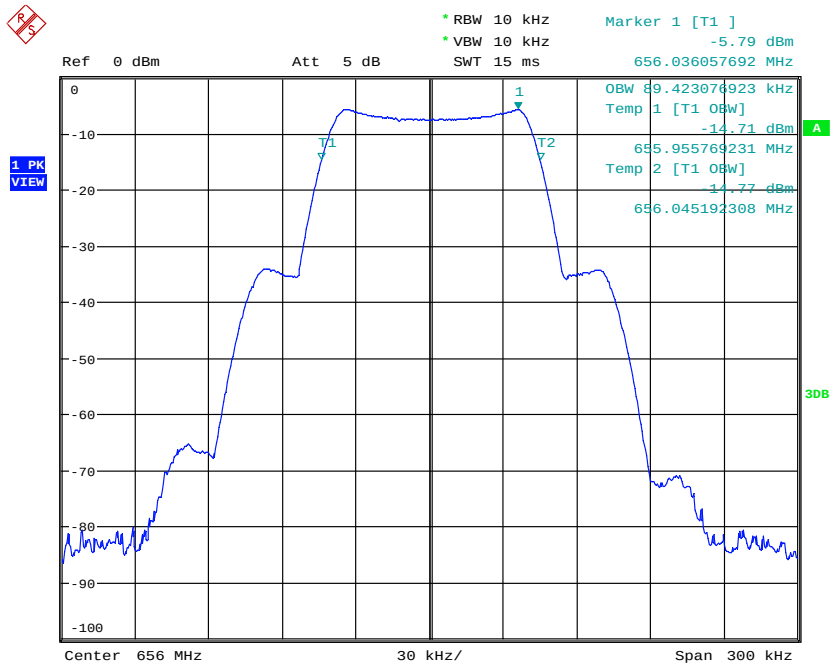
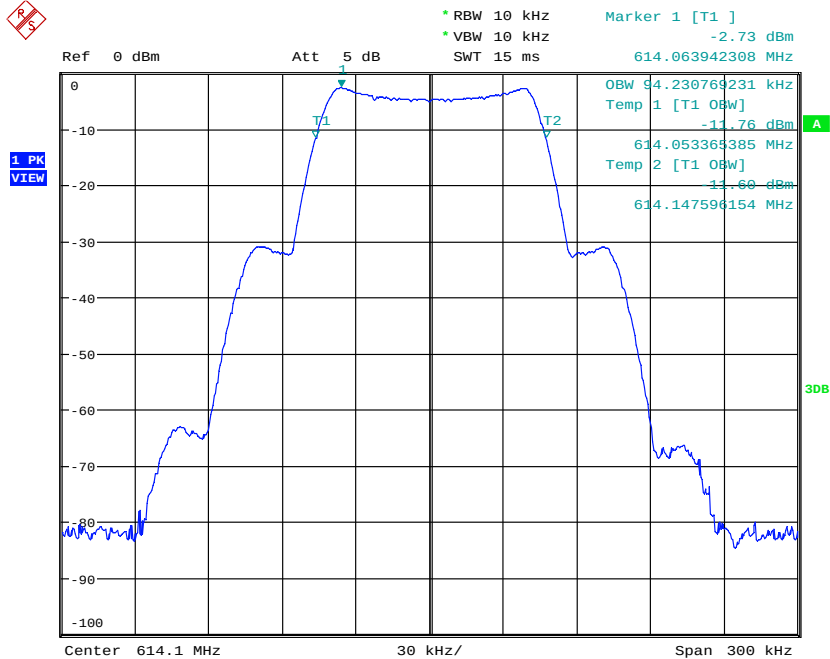


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

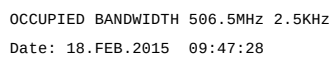
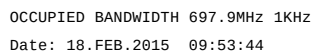
IC: 2978A-ACT32HC

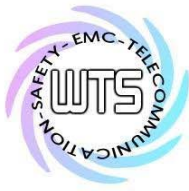






IC: 2978A-ACT32HC



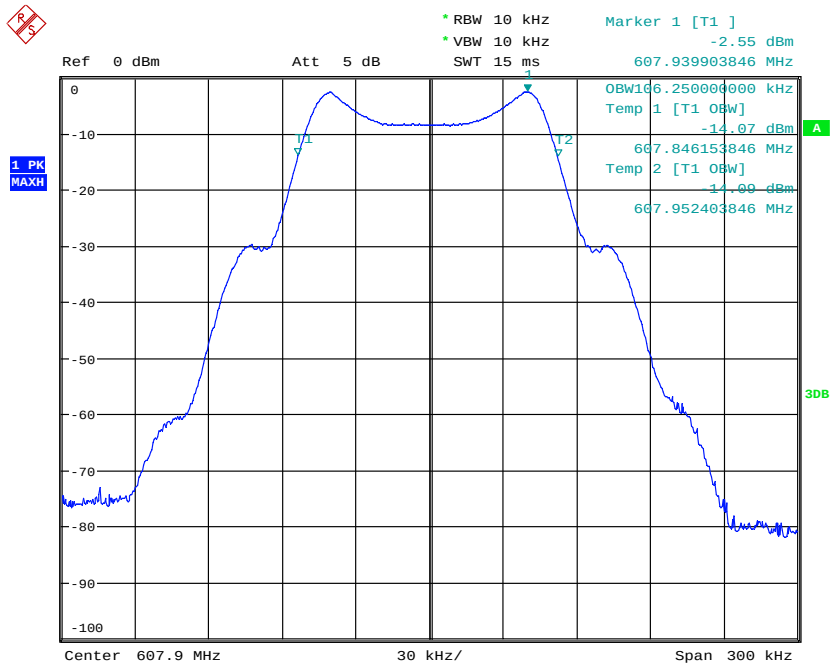
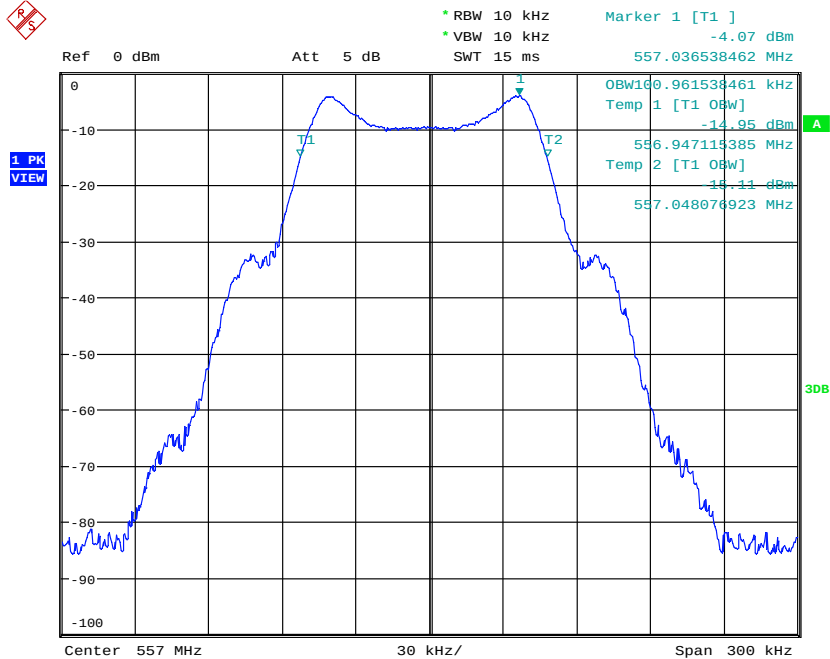


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

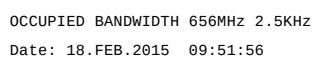
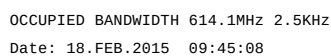
FCC ID: M5X-ACT32HC

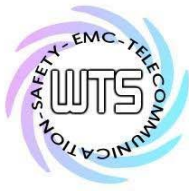
IC: 2978A-ACT32HC





IC: 2978A-ACT32HC

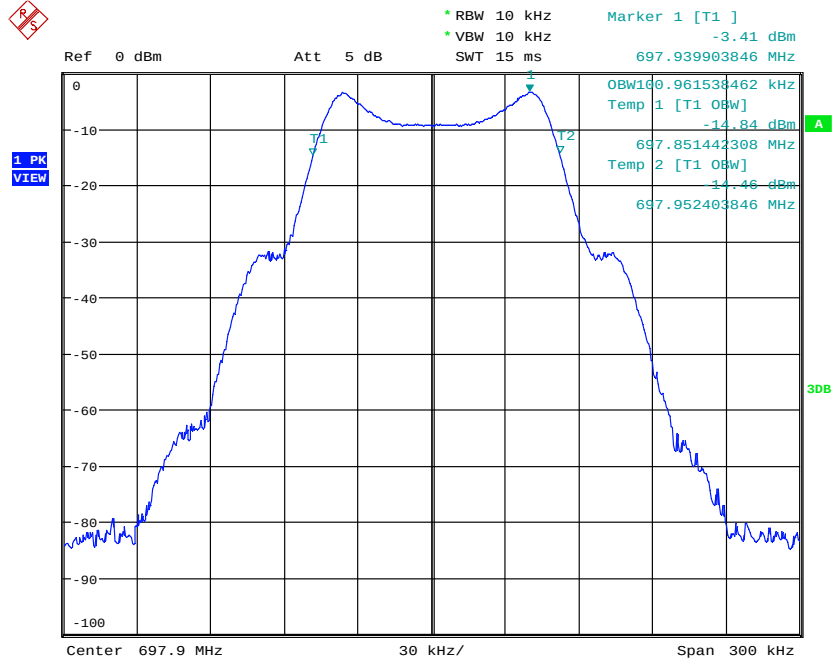




Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

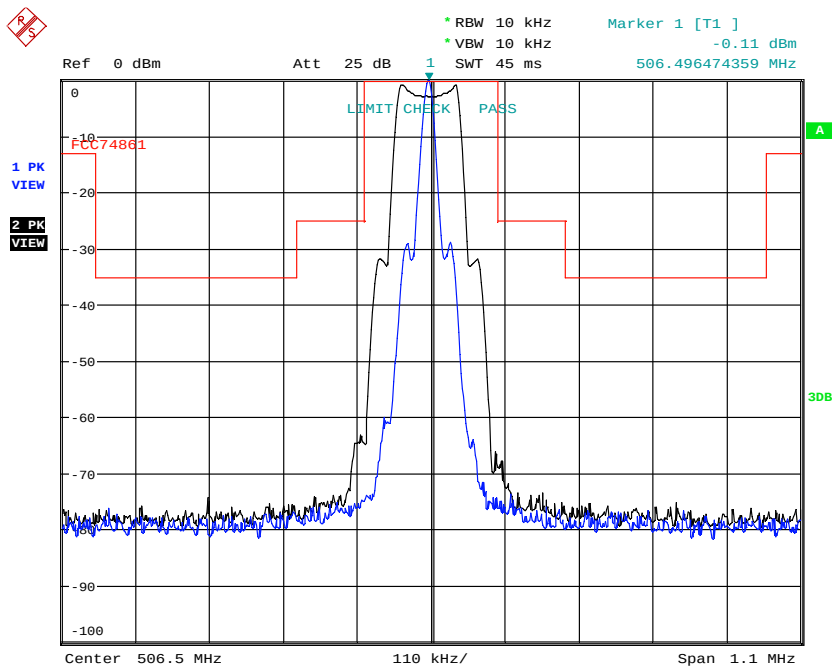
IC: 2978A-ACT32HC



OCCUPIED BANDWIDTH 697.9MHz 2.5KHz

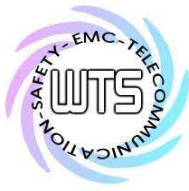
Date: 18.FEB.2015 09:53:22

## Emission Mask



EMISSION MASK 506.5MHz

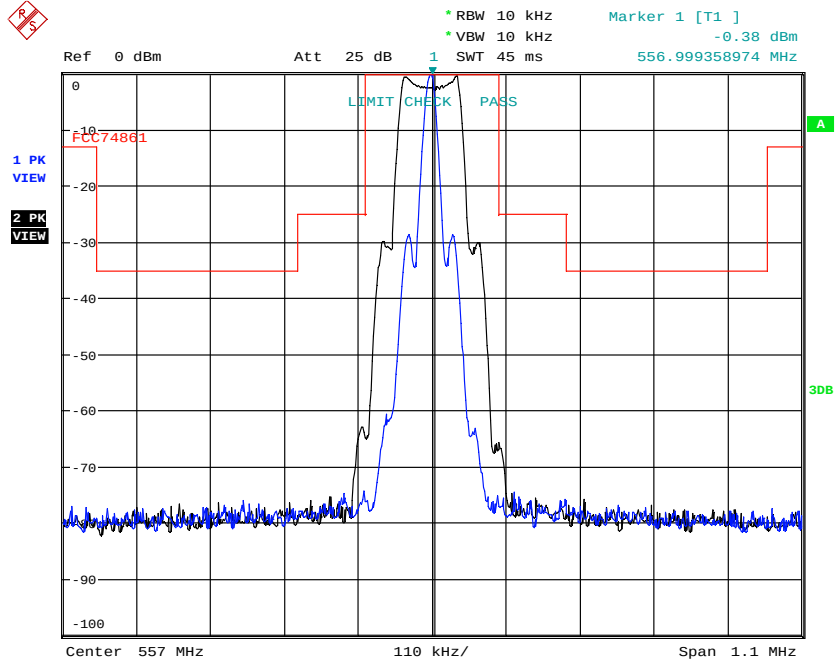
Date: 18.FEB.2015 08:51:48



Registration number: W6M21405-14188-C-1

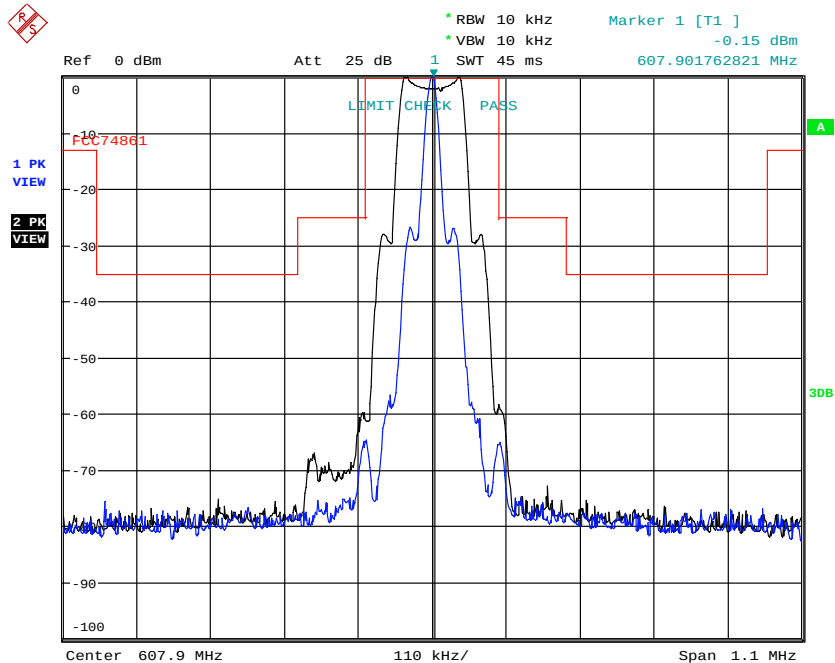
FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC



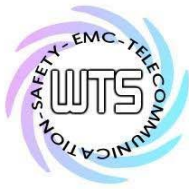
EMISSION MASK 557MHz

Date: 18.FEB.2015 09:10:45



EMISSION MASK 607.9MHz

Date: 18.FEB.2015 09:19:08

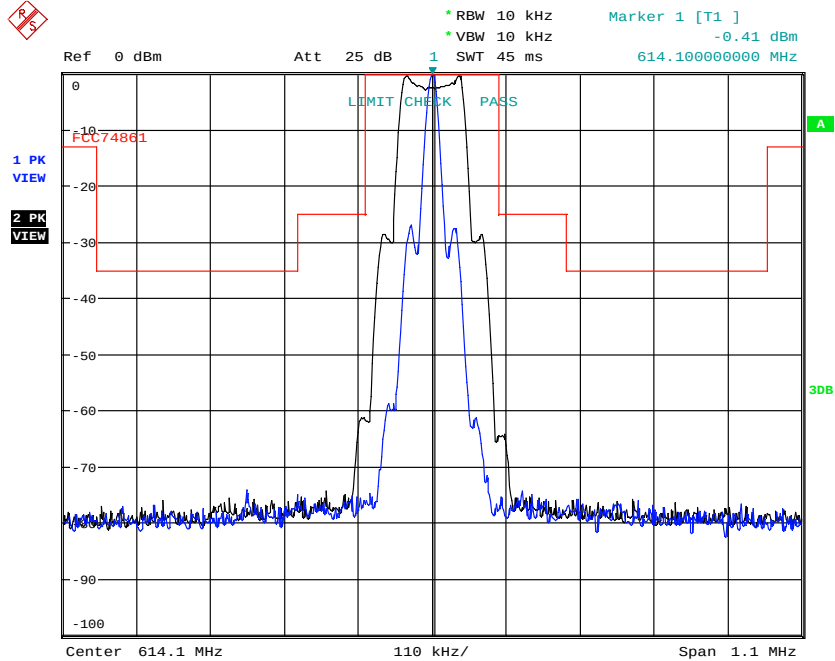


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

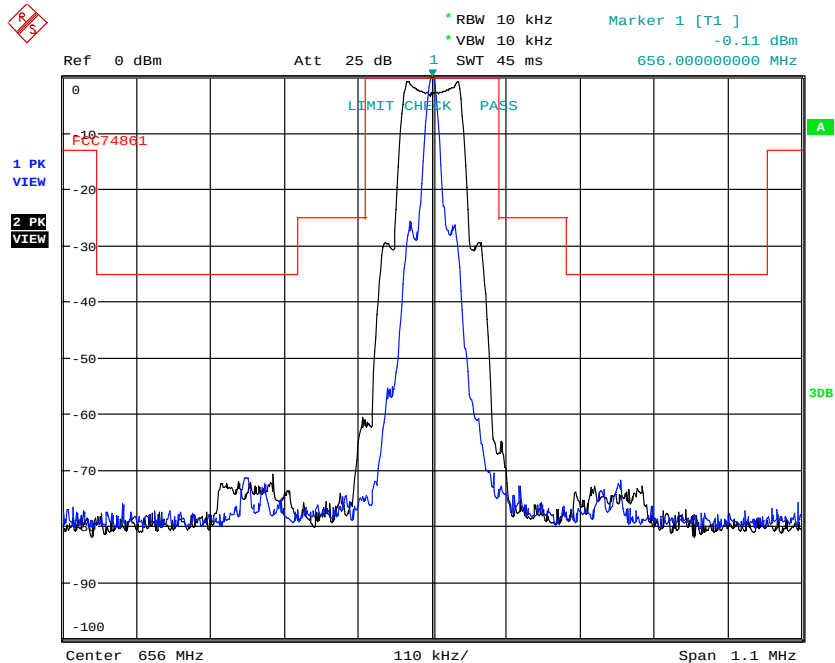
FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC



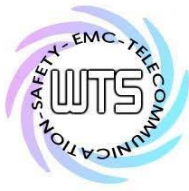
EMISSION MASK 614.1MHz

Date: 18.FEB.2015 08:59:24



EMISSION MASK 656MHz

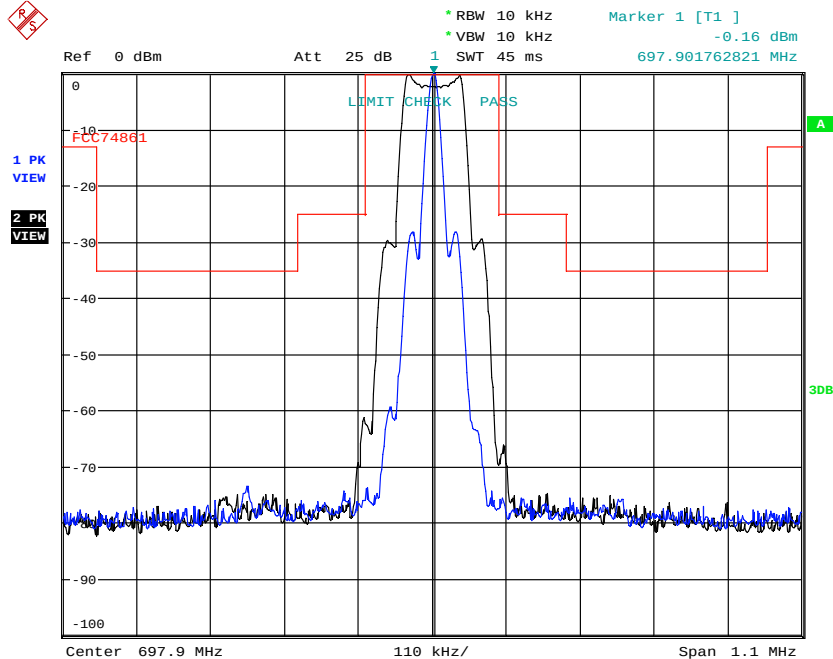
Date: 18.FEB.2015 09:04:44



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC



EMISSION MASK 697.9MHz

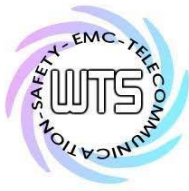
Date: 18.FEB.2015 09:07:06

**Limit According to FCC PART 74.861(e)(5) and RSS-210 Section 6:**  
bandwidth shall not exceed 200 kHz.

### 8.3 Limit

The operating bandwidth shall not exceed 200 kHz.

Test equipment used: ETSTW-RE 055 , ETSTW-RE 072, ETSTW-RE 050



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **9 Spurious Emissions at Antenna Terminals FCC2.1051 ; 74.861 (e)**

### **9.1 Test procedure**

This transmitter output was connected to a calibrated coaxial attenuator, the other end of which was connected to a spectrum analyzer. Transmitter output was derived with the spectrum analyzer in dBm.

The Spurious Emissions at Antenna Terminals was measured by the spectrum analyzer with a suitable notch filter and high-pass filter.

Tests were performed with an un-modulated carrier at three frequencies (low , middle and high channels ) and on all power levels , which can be set-up on the transmitters.

### **9.2 Test Results**

**Summary table with conducted data of the test plots for Carrier Test Frequency**

| <b>Frequency<br/>Marker<br/>Indication<br/>[MHz]</b> | <b>Indication Power<br/>Level<br/>[dBm]</b> | <b>Compliance<br/>Limit [dBm]</b> | <b>Margin</b> |
|------------------------------------------------------|---------------------------------------------|-----------------------------------|---------------|
| --                                                   | --                                          | --                                | --            |
| --                                                   | --                                          | --                                | --            |
| --                                                   | --                                          | --                                | --            |
| --                                                   | --                                          | --                                | --            |
| --                                                   | --                                          | --                                | --            |

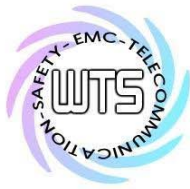
### **9.3 Limit**

Compliance with § 74.861 requires that any emission be attenuated below the transmitter power at least  $43 + 10 \log_{10} P$  (  $P$  = transmitter power in Watts ).

The compliance limit was calculated as an example per the following table :

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| Maximum transmitter output power | 11.57 dBm                                           |
| Required attenuation             | $43 + 10 \log_{10} 0.014354894W = 24.57 \text{ dB}$ |
| Maximum transmitter output power | 11.57 dBm                                           |
| <u>Required attenuation</u>      | <u>24.57 dB</u>                                     |
| Compliance limit                 | -13 dBm                                             |





Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

According to RSS-210 and section 6.4.1, the mean power of emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:

The power of unwanted emissions (measured with a resolution bandwidth of 1% of the authorized bandwidth) shall be attenuated below the mean output power,  $P_{\text{MEAN}}$  in dBW, of the transmitter as follows:

(i) at least 25 dB on any frequency removed from the operating frequency by more than 50% up to and including 100% of the authorized bandwidth; and

(ii) (ii) at least 35 dB on any frequency removed from the operating frequency by more than 100% up to and including 250% of the authorized bandwidth.

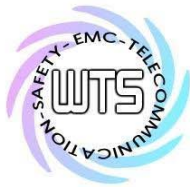
The power of unwanted emissions (measured with a resolution bandwidth of 30 kHz) shall be attenuated below the mean output power,  $P_{\text{MEAN}}$  in dBW, of the transmitter as follows:

(i) at least  $55 + 10\log_{10}(P_{\text{MEAN}} \text{ in watts})$  dB: on any frequency removed from the operating frequency by more than 250% of the authorized bandwidth. The compliance limit was calculated as an example per the following table :

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| Maximum transmitter output power | 11.57 dBm                                                  |
| Required attenuation             | $55 + 10 \log_{10} 0.014354894\text{W} = 36.57 \text{ dB}$ |
| Maximum transmitter output power | 11.57 dBm                                                  |
| <u>Required attenuation</u>      | <u>36.57 dB</u>                                            |
| Compliance limit                 | -25 dBm                                                    |

Test equipment used: ETSTW-RE 055, ETSTW-RE 050

Explanation : This test is not applicable.



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## 10 Radiated Spurious Emission , FCC 2.1053 ; 74.861 (e)

### 10.1 Test procedure

The EUT was positioned on a non-conductive turntable , 0.8m above the ground plane.

The radiated emission at the fundamental frequency was measured at 3 m distance with a test antenna and spectrum analyzer.

Worst case emission was recorded with the rotation of the turntable and the raising and lowering of the test antenna.

ERP was measured using a substitution method. The EUT was replaced by reference antenna connected to a signal generator.

The test of spurious radiated emission have been carried out with the ESK-Software from Rode & Schwarz. The measurements below 1GHz were performed with a measurement bandwidth of 100kHz, above 1GHz with a bandwidth of 1 MHz.

Spurious emission limits near the carrier are defined by a emission mask. This measurements are done in conducted mode.

### 10.2 Test Results

The measurements of the spurious emission at the upper , center and lower channel.

The measurement diagrams show that all significant spurs are well below the limit line.

#### Summary table with radiated data of the test plots for Carrier Test Frequency

Model: -- Date: --  
Mode: -- Temperature: -- °C Engineer: --  
Polarization: Horizontal Humidity: -- %

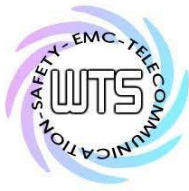
| Frequency<br>(MHz) | Reading<br>(dBm)<br>Peak | Factor<br>(dB)<br>Corr. | Result<br>(dBm) | Limit (dBm) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|--------------------------|-------------------------|-----------------|-------------|----------------|---------------------------|----------------------|
| --                 | --                       | --                      | --              | --          | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --          | --             | --                        | --                   |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBm)<br>Peak | Factor<br>(dB)<br>Corr. | Result<br>(dBm) | Limit (dBm) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|--------------------------|-------------------------|-----------------|-------------|----------------|---------------------------|----------------------|
| --                 | --                       | --                      | --              | --          | --             | --                        | --                   |
| --                 | --                       | --                      | --              | --          | --             | --                        | --                   |

#### Note:

1. Correction Factor = Antenna Gain + Cable Loss + Amplifier Gain
2. The formula of measured value as: Test Result = Reading + Correction Factor
3. All not in the table noted test results are more than 20 dB below the relevant limits.
4. Measurement uncertainty: 30-200MHz :  $\pm 2.11$  dB, 200-1000MHz :  $\pm 2.09$  dB, 1-18GHz :  $\pm 2.71$  dB  
Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
5. See the attached diagram as appendix.



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **10.3 Explanation of test result**

The measurements of the spurious emissions at the equipment output terminals were performed pursuant to the test procedure above in order to verify that any emissions are below the limits given by § 74.861 (6).

Calculation of test results :

Such factors like antenna correction , cable loss , external attenuation etc. are already included in the provided measurement results. This is done by using validated test software and calibrated test system according the accreditation requirements.

In the Table being listed the critical peak and average value an exhibit the compliance with the above calculated Limits.

## **10.4 Limits**

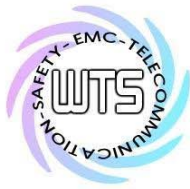
Compliance with § 74.861 requires that any emission be attenuated below the transmitter power at least  $43 + 10 \log_{10} P$  (  $P$  = transmitter power in Watts ).

The compliance limit was calculated as an example per the following table :

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Maximum transmitter output power | 11.57 dBm                                  |
| Required attenuation             | $43 + 10 \log_{10} 0.014354894W = 24.57dB$ |
| Maximum transmitter output power | 11.57 dBm                                  |
| <u>Required attenuation</u>      | <u>24.57 dB</u>                            |
| Compliance limit                 | -13 dBm                                    |

Test equipment used: ETSTW-RE 004, ETSTW-RE 122, ETSTW-RE 030,  
ETSTW-RE 042, ETSTW-RE 043, ETSTW-RE 044

Explanation : see attached diagrams in appendix.



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## 11 Line Conducted Emission , FCC 15.207

### 11.1 Test procedure

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

### 11.2 Test Results

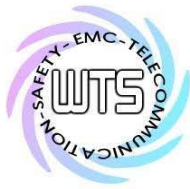
| Model:             | --                           | Date:        | --                      |                             |    |                            |    |                |
|--------------------|------------------------------|--------------|-------------------------|-----------------------------|----|----------------------------|----|----------------|
| Mode:              | --                           | Temperature: | --                      | °C                          |    | Engineer:                  | -- |                |
| Polarization:      | --                           | Humidity:    | --                      | %                           |    |                            |    |                |
| Frequency<br>(MHz) | Reading<br>(dBuV)<br>QP Ave. |              | Factor<br>(dB)<br>Corr. | Result<br>(dBuV)<br>QP Ave. |    | Limit<br>(dBuV)<br>QP Ave. |    | Margin<br>(dB) |
| --                 | --                           | --           | --                      | --                          | -- | --                         | -- | --             |
| --                 | --                           | --           | --                      | --                          | -- | --                         | -- | --             |

Polarization: L1

| Frequency<br>(MHz) | Reading<br>(dBuV)<br>QP Ave. |    | Factor<br>(dB)<br>Corr. | Result<br>(dBuV)<br>QP Ave. |    | Limit<br>(dBuV)<br>QP Ave. |    | Margin<br>(dB) |
|--------------------|------------------------------|----|-------------------------|-----------------------------|----|----------------------------|----|----------------|
| --                 | --                           | -- | --                      | --                          | -- | --                         | -- | --             |
| --                 | --                           | -- | --                      | --                          | -- | --                         | -- | --             |

- Note:**
1. The formula of measured value as: **Test Result = Reading + Correction Factor**
  2. The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
  3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
  4. All not in the table noted test results are more than 20 dB below the relevant limits.
  5. Measurement uncertainty =  $\pm 1.41$  dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .
  6. Up Line: QP Limit Line, Down Line: Ave Limit Line.
  7. This test is not required because the EUT uses battery.

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW-RE 045



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **12 Frequency Stability vs. Temperature , FCC 2.1055 , 74.861 (e)**

### **12.1 Test procedure**

The equipment under test was connected to an external DC power supply and the RF output was connected to a frequency counter via feed through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable, exited the chamber through an opening made for that purpose.

After the temperature stabilized the frequency output was recorded from the counter.

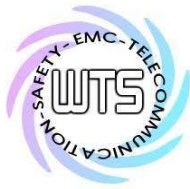
### **12.2 Test Results**

#### **506.5 MHz**

| °C    | Freq       | Error(kHz) | Error(ppm) |
|-------|------------|------------|------------|
| -30   | 506.500000 | 4.487      | 8.859      |
| -20   | 506.500481 | 4.968      | 9.809      |
| -10   | 506.499199 | 3.686      | 7.277      |
| 0     | 506.497276 | 1.763      | 3.481      |
| +10   | 506.495833 | 0.320      | 0.632      |
| +20   | 506.495353 | -0.160     | -0.316     |
| +30   | 506.494231 | -1.282     | -2.531     |
| +40   | 506.492949 | -2.564     | -5.063     |
| +50   | 506.490705 | -4.808     | -9.492     |
| Limit |            | 25.325     | 50         |

#### **557 MHz**

| °C    | Freq       | Error(kHz) | Error(ppm) |
|-------|------------|------------|------------|
| -30   | 557.000481 | 3.045      | 5.467      |
| -20   | 557.000962 | 3.526      | 6.329      |
| -10   | 557.000321 | 2.885      | 5.180      |
| 0     | 556.998878 | 1.442      | 2.589      |
| +10   | 556.997916 | 0.480      | 0.862      |
| +20   | 556.997436 | 0.000      | 0.000      |
| +30   | 556.996154 | -1.282     | -2.302     |
| +40   | 556.995513 | -1.923     | -3.453     |
| +50   | 556.993269 | -4.167     | -7.481     |
| Limit |            | 27.850     | 50         |



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **607.9 MHz**

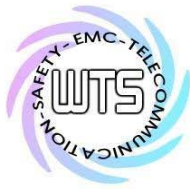
| °C    | Freq       | Error(kHz) | Error(ppm) |
|-------|------------|------------|------------|
| -30   | 607.905769 | 5.609      | 9.227      |
| -20   | 607.905929 | 5.769      | 9.490      |
| -10   | 607.904808 | 4.648      | 7.646      |
| 0     | 607.902243 | 2.083      | 3.427      |
| +10   | 607.900962 | 0.802      | 1.319      |
| +20   | 607.900000 | -0.160     | -0.263     |
| +30   | 607.898077 | -2.083     | -3.427     |
| +40   | 607.897436 | -2.724     | -4.481     |
| +50   | 607.894391 | -5.769     | -9.490     |
| Limit |            | 30.395     | 50         |

## **614.1 MHz**

| °C    | Freq       | Error(kHz) | Error(ppm) |
|-------|------------|------------|------------|
| -30   | 614.105753 | 5.623      | 9.156      |
| -20   | 614.105931 | 5.801      | 9.446      |
| -10   | 614.104768 | 4.638      | 7.553      |
| 0     | 614.102243 | 2.113      | 3.441      |
| +10   | 614.100962 | 0.832      | 1.355      |
| +20   | 614.100000 | -0.130     | -0.212     |
| +30   | 614.098077 | -2.053     | -3.343     |
| +40   | 614.097444 | -2.686     | -4.374     |
| +50   | 614.094405 | -5.725     | -9.323     |
| Limit |            | 30.705     | 50         |

## **656 MHz**

| °C    | Freq       | Error(kHz) | Error(ppm) |
|-------|------------|------------|------------|
| -30   | 656.003205 | 3.686      | 5.619      |
| -20   | 656.004487 | 4.968      | 7.573      |
| -10   | 656.003686 | 4.167      | 6.352      |
| 0     | 656.001282 | 1.763      | 2.688      |
| +10   | 656.000160 | 0.641      | 0.977      |
| +20   | 655.999199 | -0.320     | -0.488     |
| +30   | 655.998558 | -0.961     | -1.465     |
| +40   | 655.996955 | -2.564     | -3.909     |
| +50   | 655.994872 | -4.647     | -7.084     |
| Limit |            | 32.800     | 50         |



# **Worldwide Testing Services(Taiwan) Co., Ltd.**

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

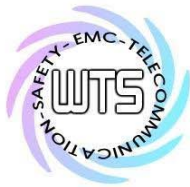
IC: 2978A-ACT32HC

697.9 MHz

| °C    | Freq       | Error(kHz) | Error(ppm) |
|-------|------------|------------|------------|
| -30   | 697.905128 | 3.846      | 5.511      |
| -20   | 697.905929 | 4.647      | 6.659      |
| -10   | 697.905769 | 4.487      | 6.429      |
| 0     | 697.903526 | 2.244      | 3.215      |
| +10   | 697.902564 | 1.282      | 1.837      |
| +20   | 697.901442 | 0.160      | 0.229      |
| +30   | 697.899840 | -1.442     | -2.066     |
| +40   | 697.898718 | -2.564     | -3.674     |
| +50   | 697.896154 | -5.128     | -7.348     |
| Limit |            | 34.895     | 50         |

**Limit According to FCC PART 74.861(e)(4) and IC RSS-210 section 6 Table 1:  
The frequency tolerance of the transmitter shall be 0.005 percent.**

Test equipment used: ETSTW-RE 055, ETSTW-CE 009



Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **13 Frequency Stability vs. Voltage , FCC 2.1055 (d) ; 74.861 (e)**

### **13.1 Test procedure**

An external variable DC power supply was connected to the battery terminals of the equipment under test.

For hand carried , battery powered equipment primary supply voltage was reduced to the battery operating end point as specified by the manufacturer. The output frequency was recorded for each battery voltage.

### **13.2 Test Results**

Test voltage: 3.145 Vd.c.

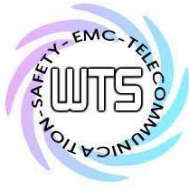
| Frequency in MHz | Frequency Error (kHz) | Frequency Error (ppm) |
|------------------|-----------------------|-----------------------|
| 506.495513       | 0.000                 | 0.000                 |
| 556.997436       | 0.000                 | 0.000                 |
| 607.900160       | 0.000                 | 0.000                 |
| 614.100130       | 0.000                 | 0.000                 |
| 655.999519       | 0.000                 | 0.000                 |
| 697.901282       | 0.000                 | 0.000                 |

Limit :  $\pm 0.005\%$

**Limit According to FCC PART 74.861(e)(4) and IC RSS-210 section 6 Table 1:  
The frequency tolerance of the transmitter shall be 0.005 percent.**

Test equipment used: ETSTW-RE 055





Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

## **Appendix**

### **A Photos**

1. External Photos
2. Internal Photos
3. Set Up Photo of Radiated Emission

### **B Measurement diagrams**

1. Modulation Deviation and Audio frequency response
2. Radiation Spurious Emission



## ***Worldwide Testing Services(Taiwan) Co., Ltd.***

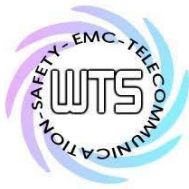
Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

External Photos





## ***Worldwide Testing Services(Taiwan) Co., Ltd.***

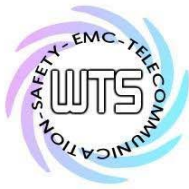
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FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC







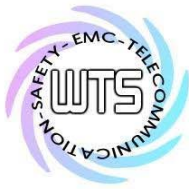
## ***Worldwide Testing Services(Taiwan) Co., Ltd.***

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC





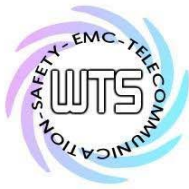
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FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC







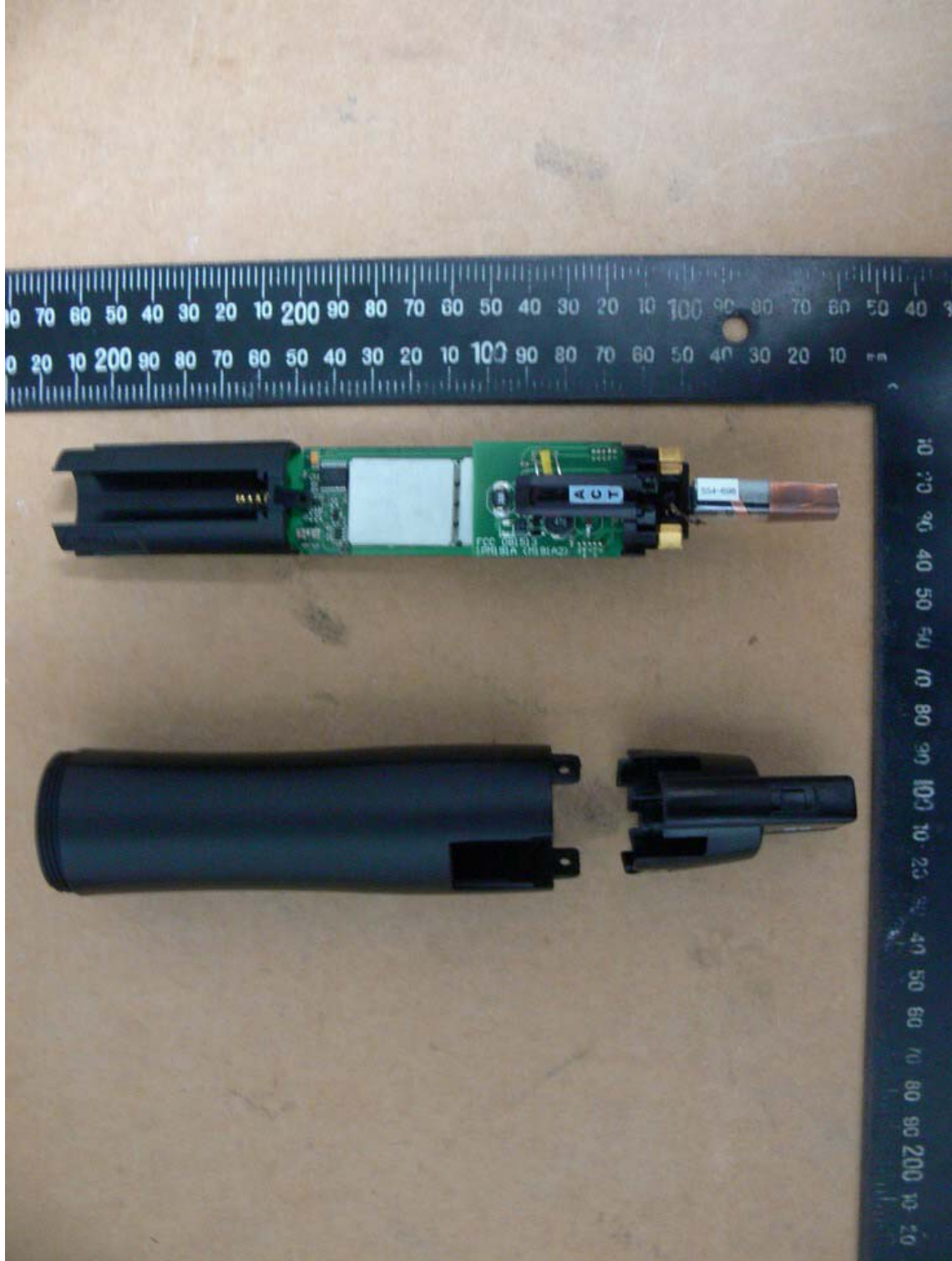
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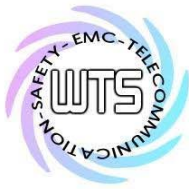
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FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

Internal Photos





## ***Worldwide Testing Services(Taiwan) Co., Ltd.***

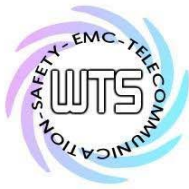
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FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC



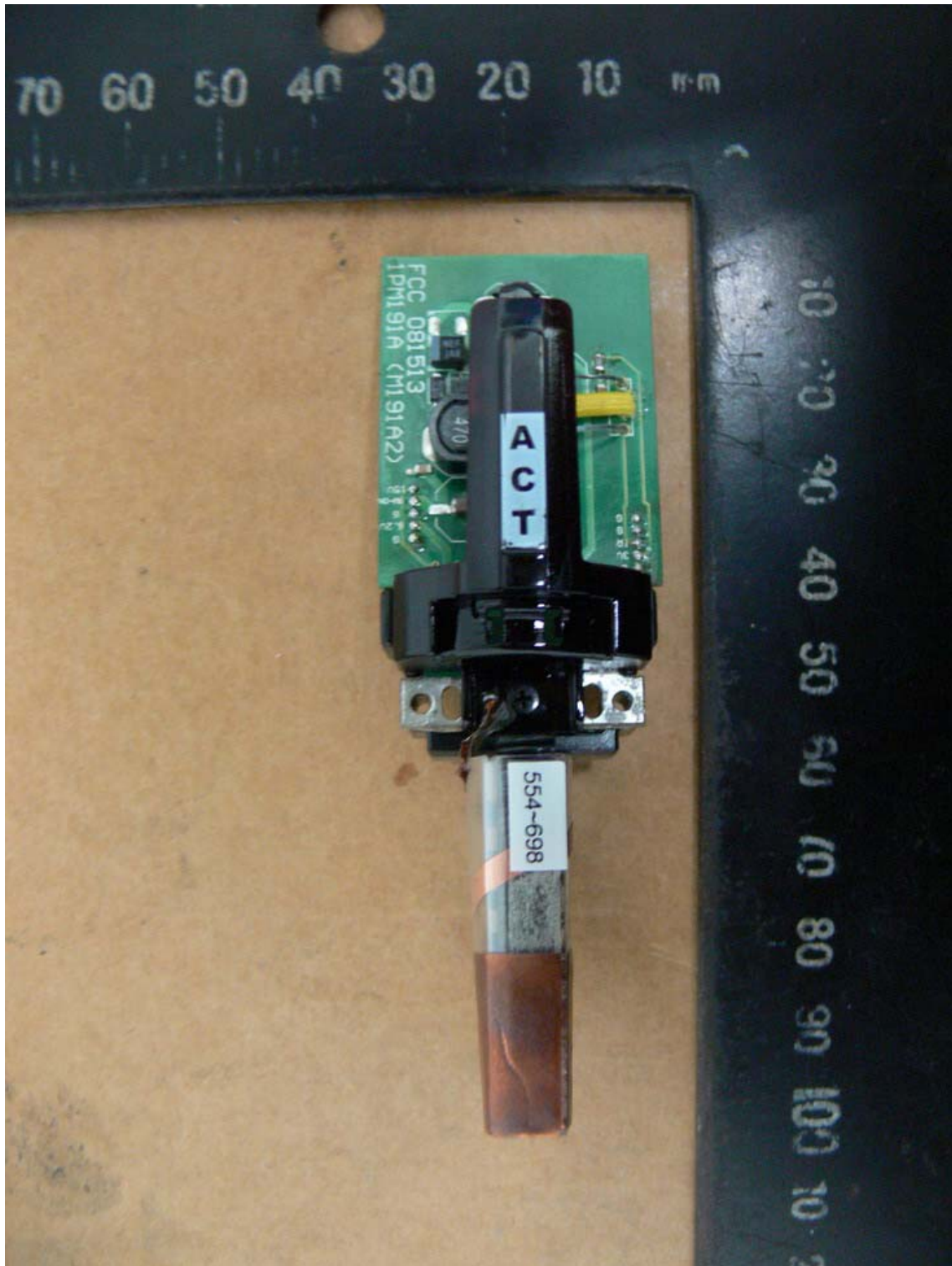




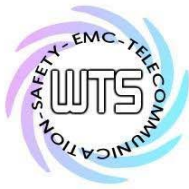
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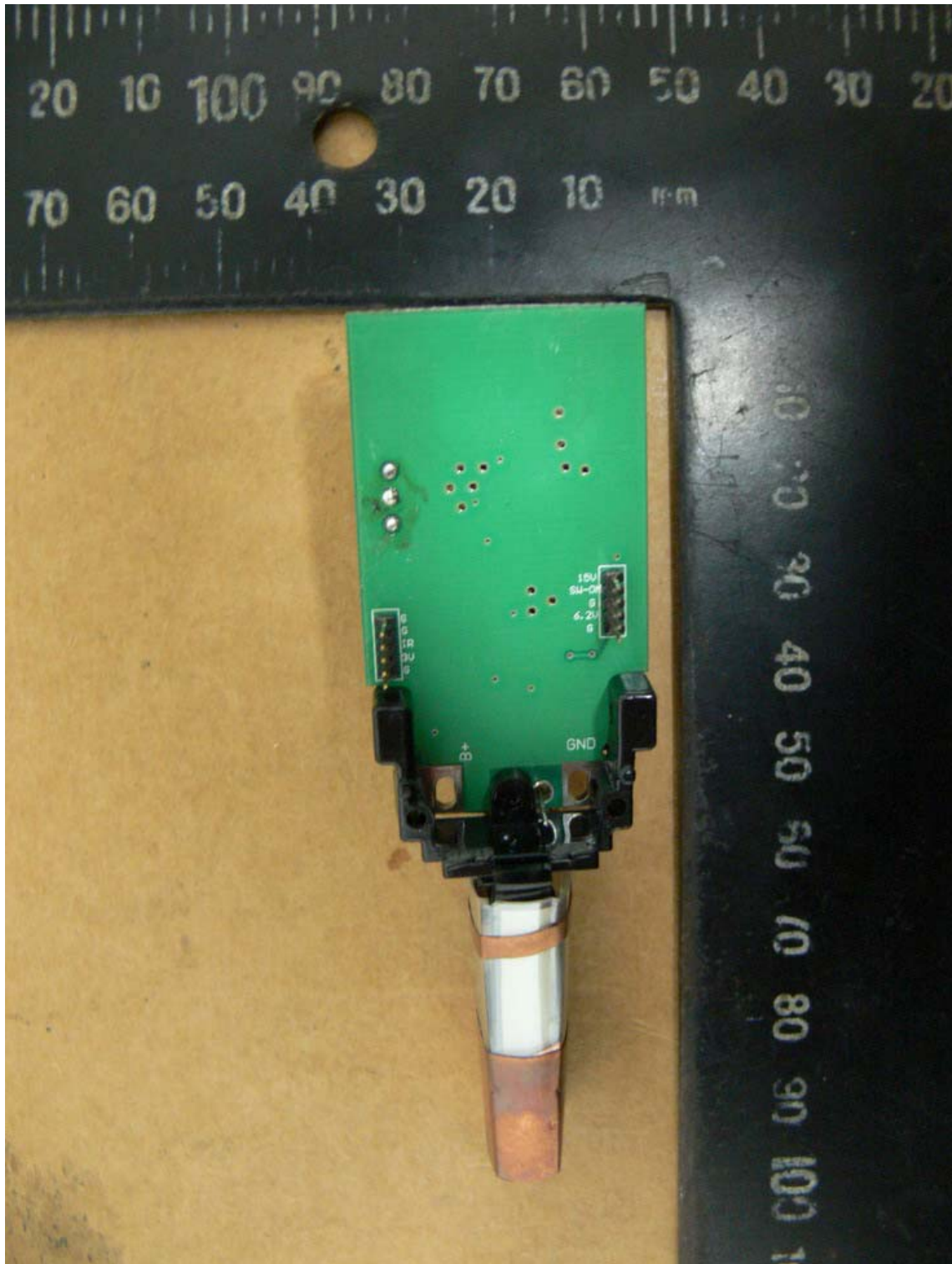


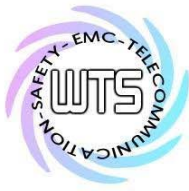


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FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC





## ***Worldwide Testing Services(Taiwan) Co., Ltd.***

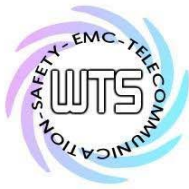
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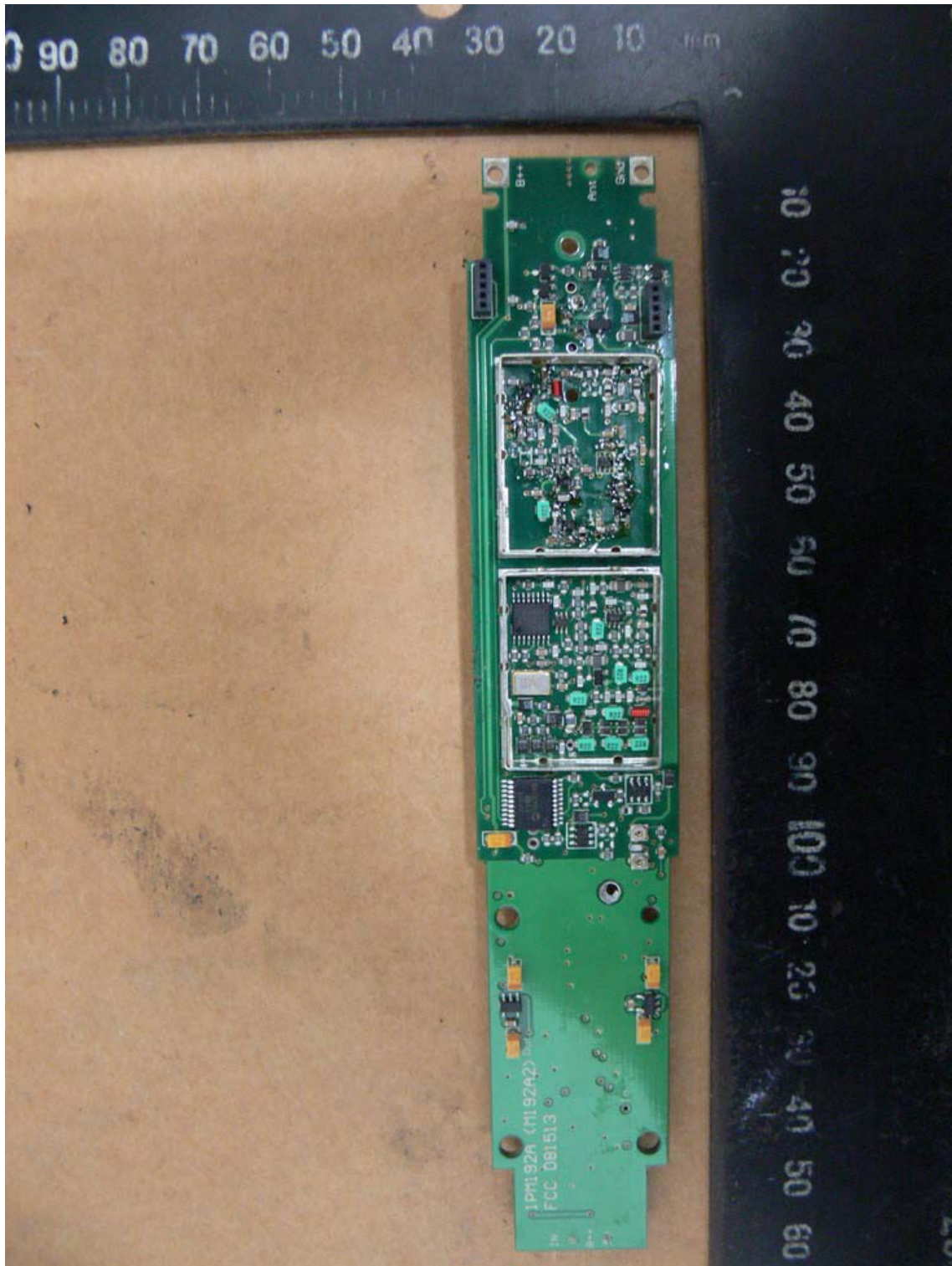


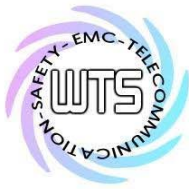
# ***Worldwide Testing Services(Taiwan) Co., Ltd.***

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC





## Worldwide Testing Services(Taiwan) Co., Ltd.

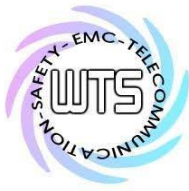
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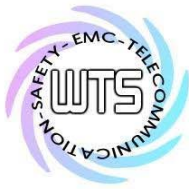
## Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC





## ***Worldwide Testing Services(Taiwan) Co., Ltd.***

Registration number: W6M21405-14188-C-1

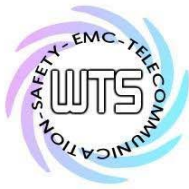
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IC: 2978A-ACT32HC

Multi-listing Model Number: WM 5320







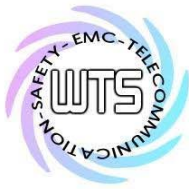
# **Worldwide Testing Services(Taiwan) Co., Ltd.**

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC



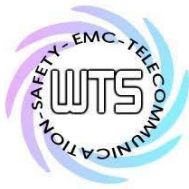


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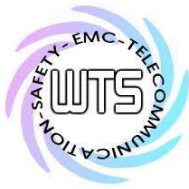
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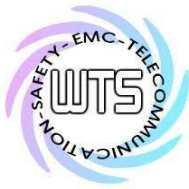
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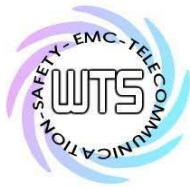
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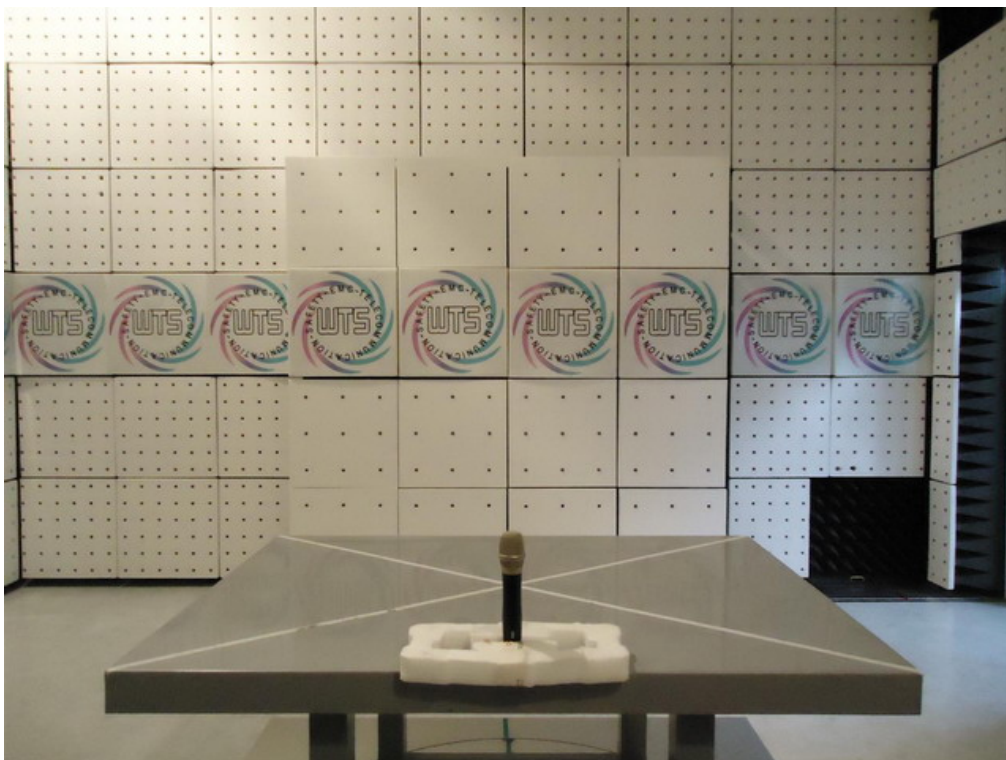
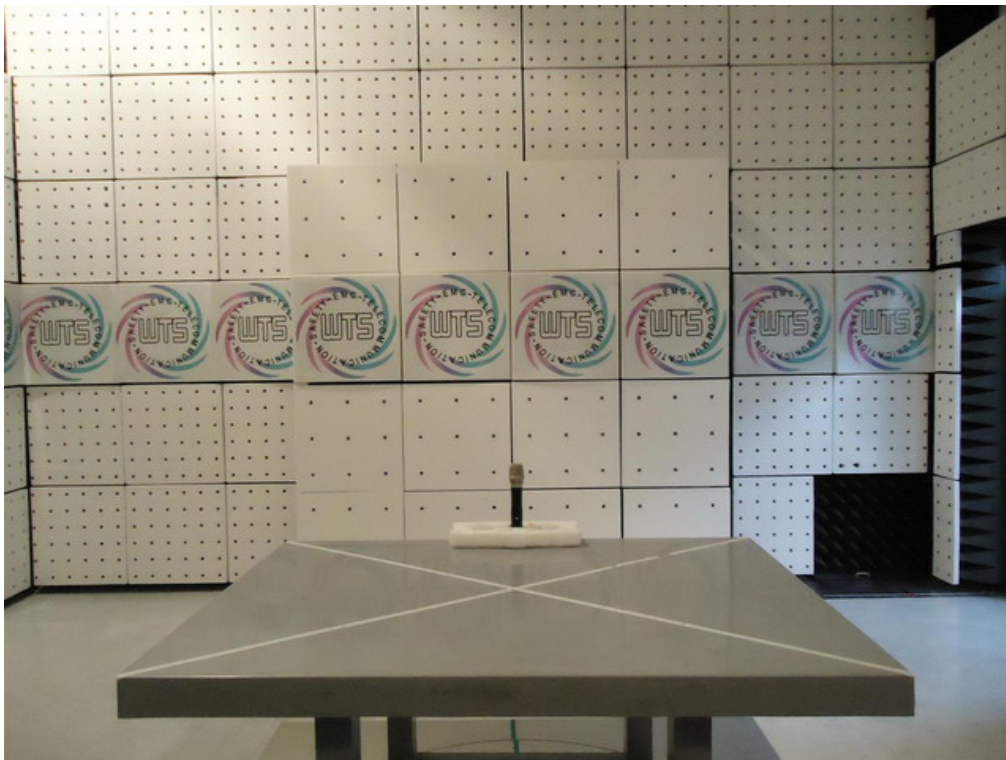


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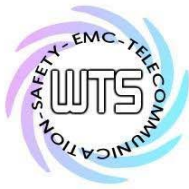
FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

**Set Up Photo of Radiated Emission**







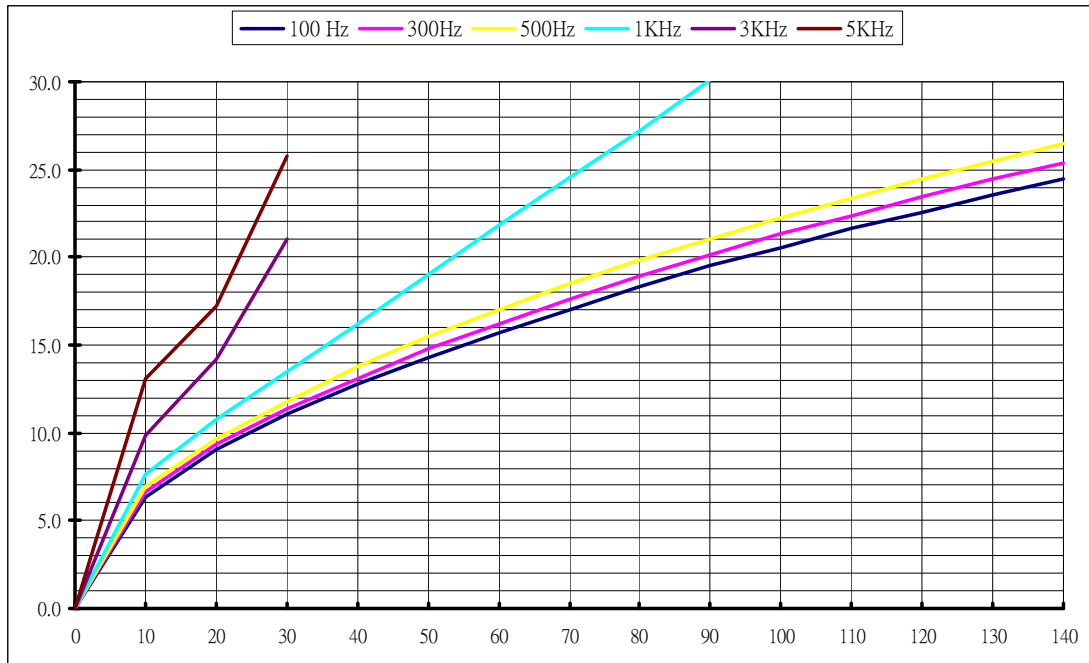
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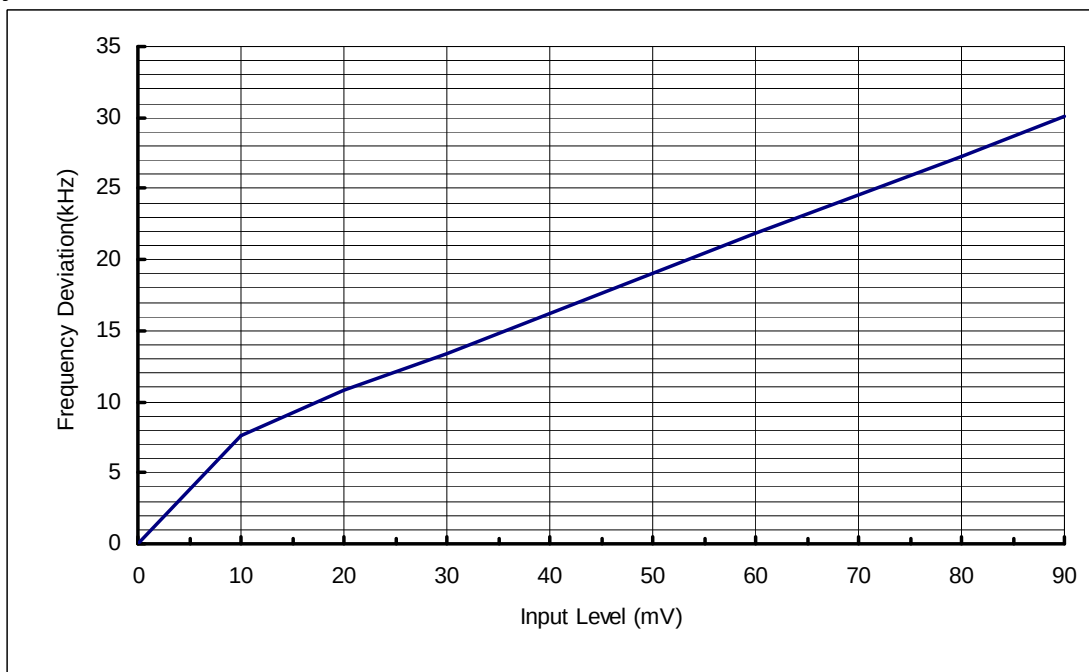
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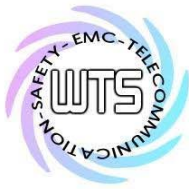
506.5 MHz

## Modulation Characteristics



## Frequency Deviation at 1kHz



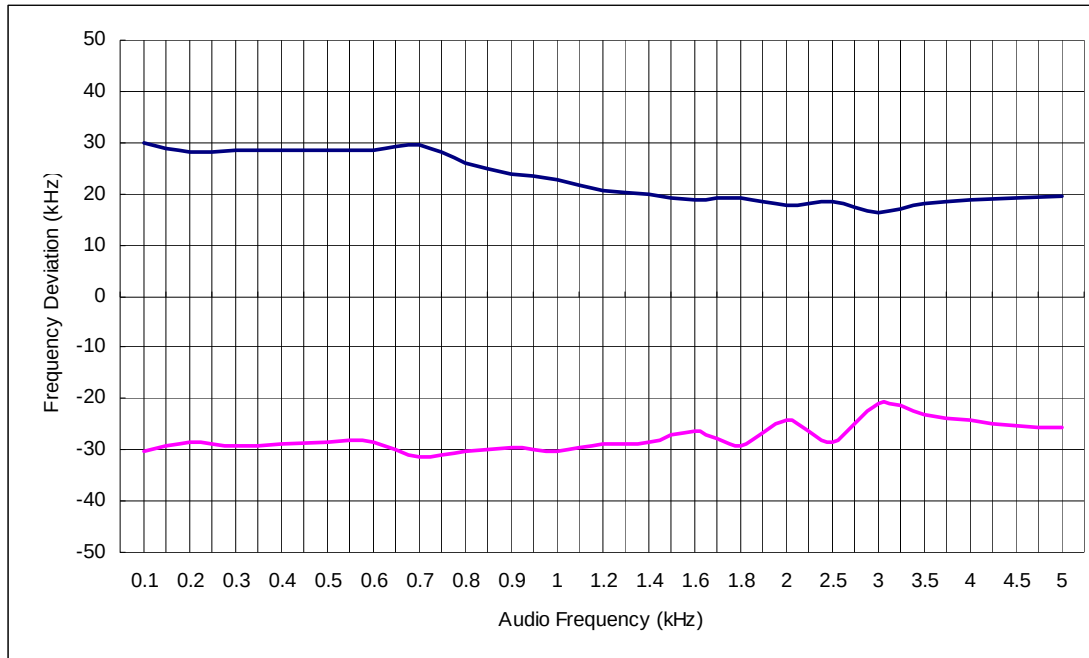


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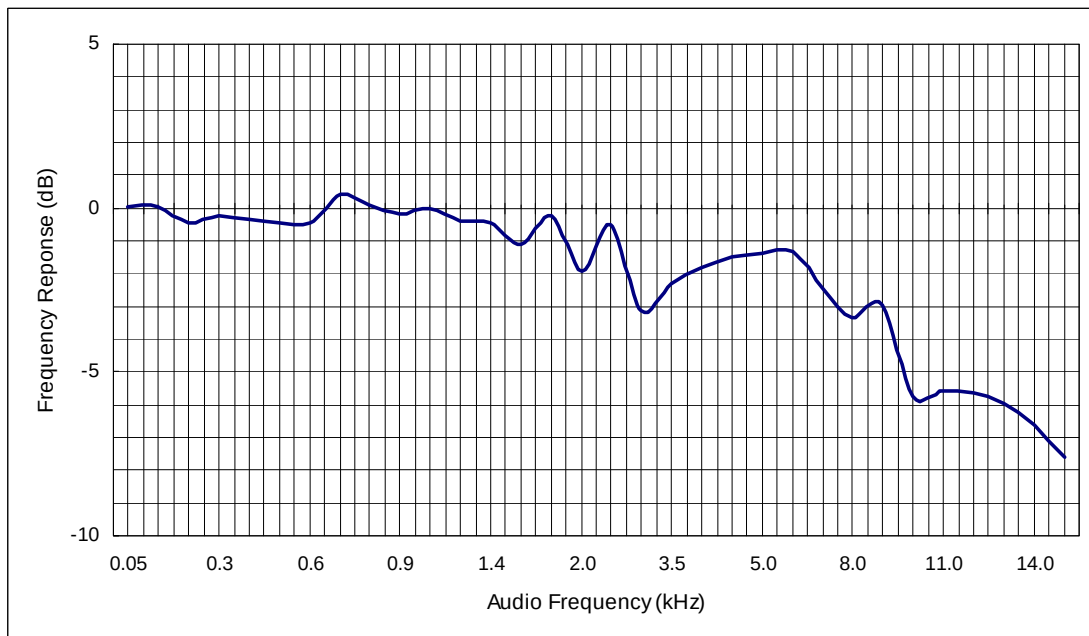
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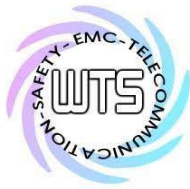
IC: 2978A-ACT32HC

Frequency Deviation



Audio Response





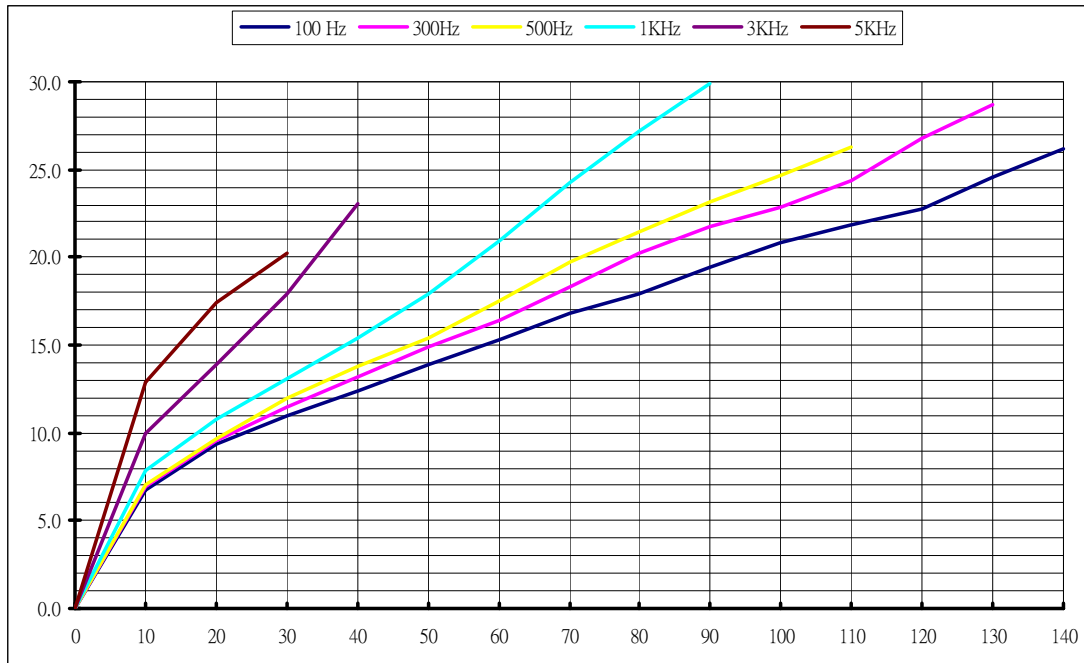
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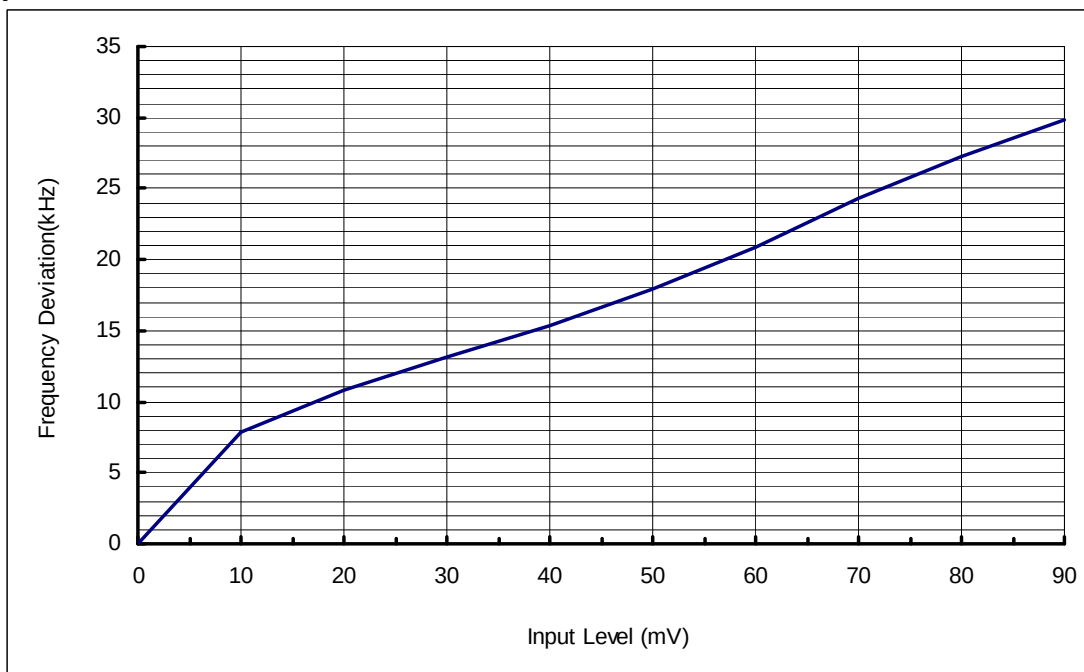
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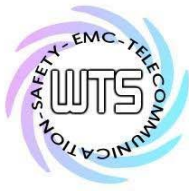
557MHz

Modulation Characteristics



Frequency Deviation at 1kHz



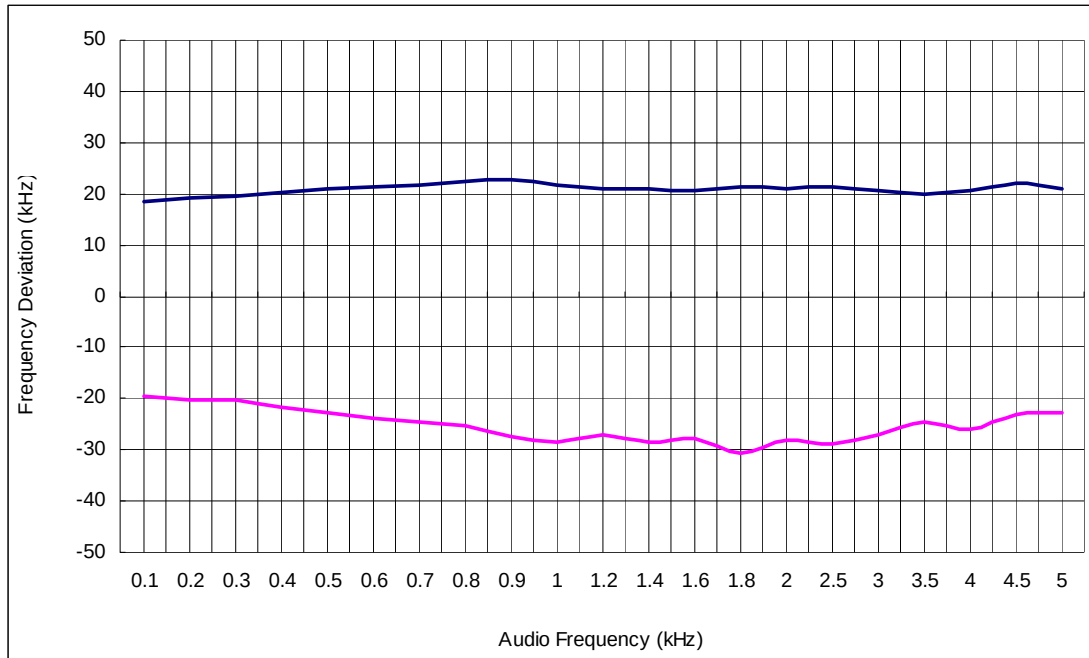


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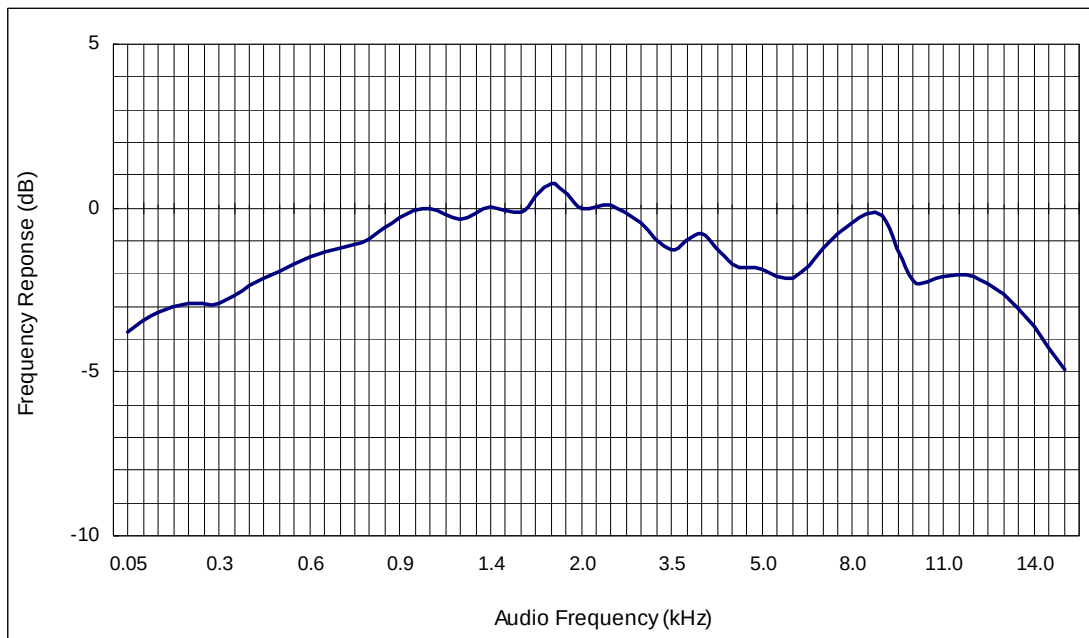
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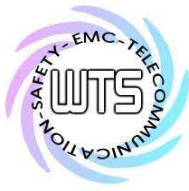
IC: 2978A-ACT32HC

Frequency Deviation



Audio Response





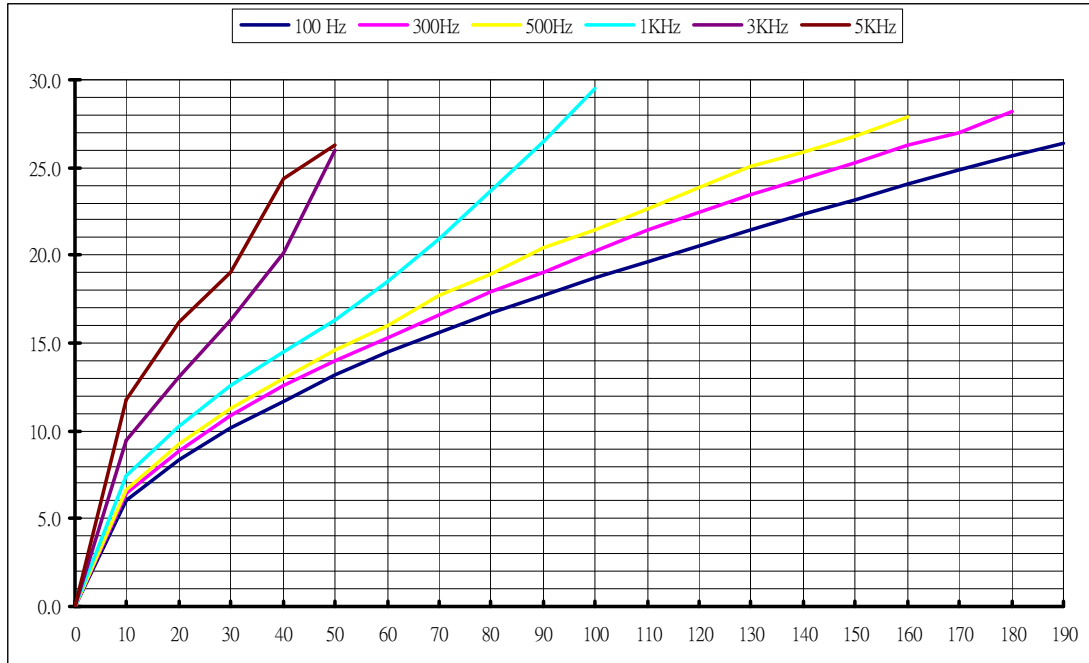
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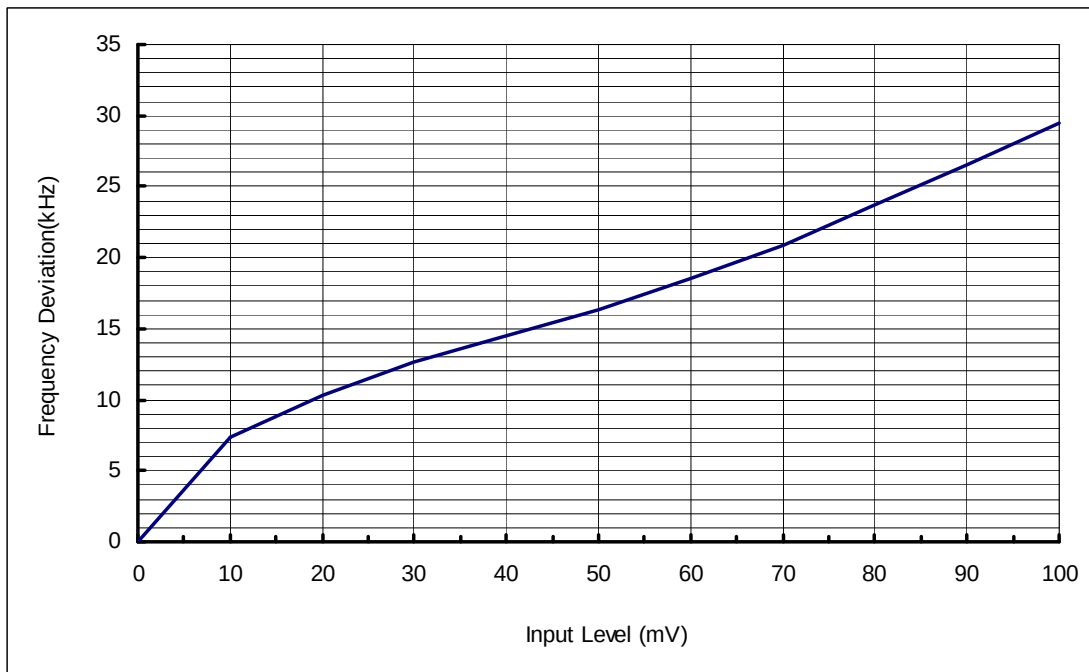
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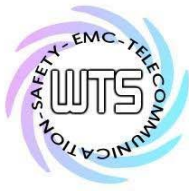
607.9 MHz

## Modulation Characteristics



## Frequency Deviation at 1kHz



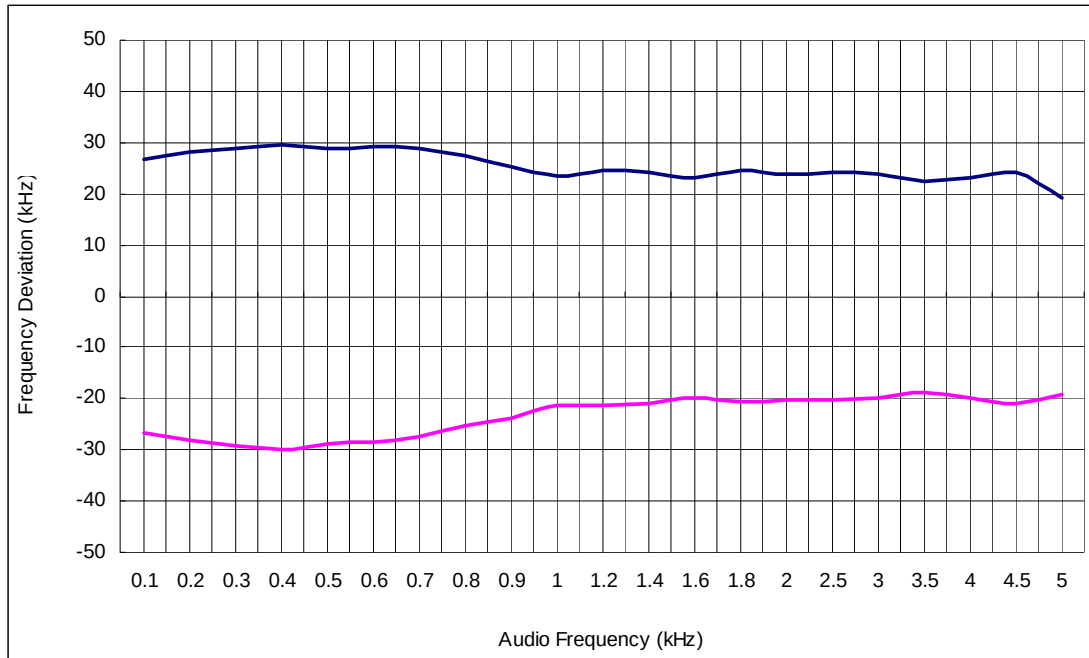


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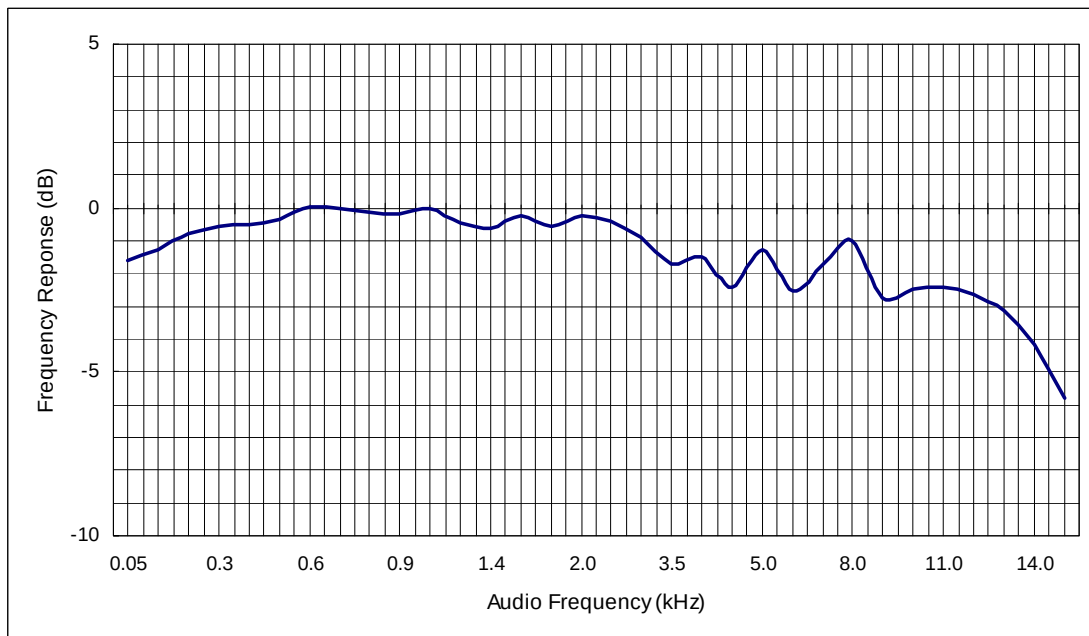
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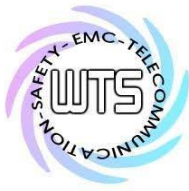
Frequency Deviation



Audio Response







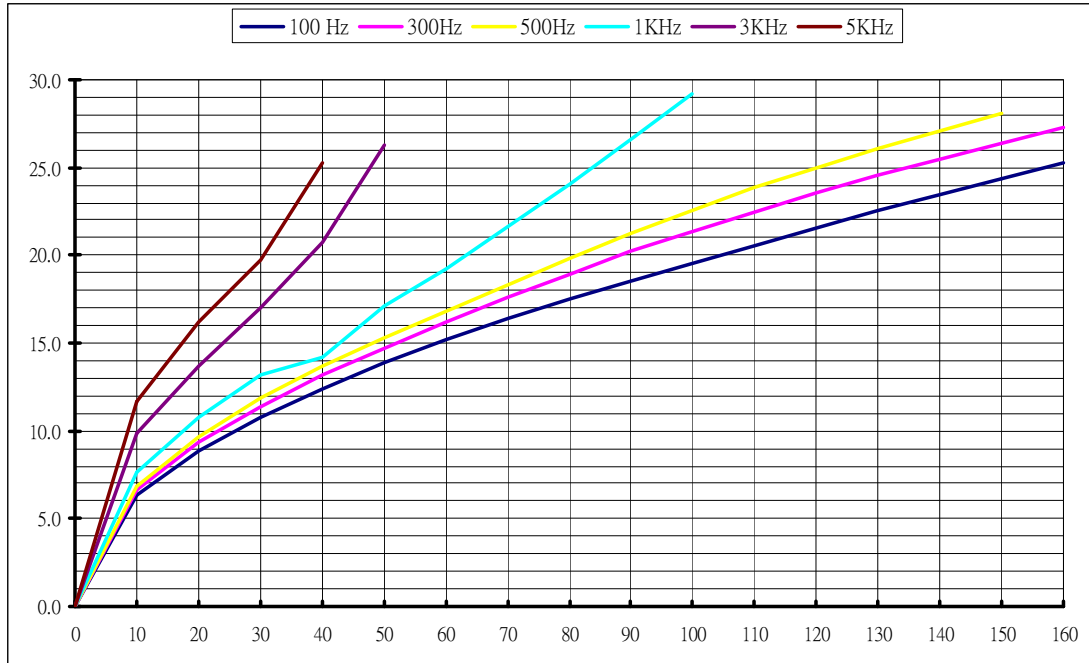
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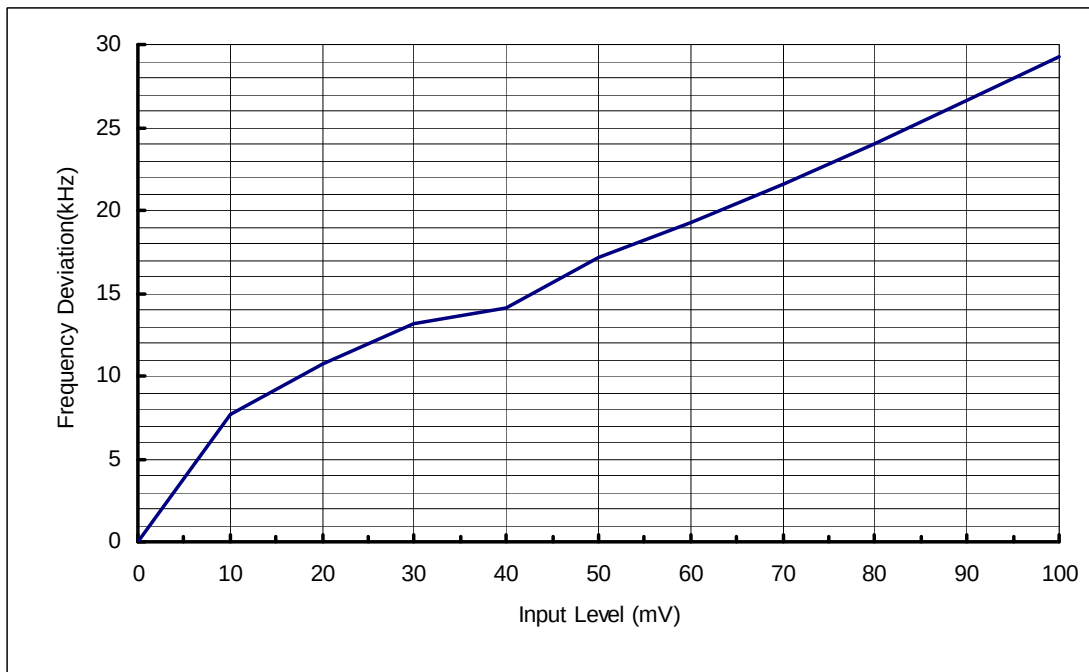
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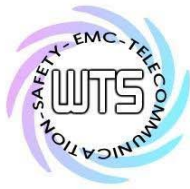
614.1 MHz

## Modulation Characteristics



## Frequency Deviation at 1kHz



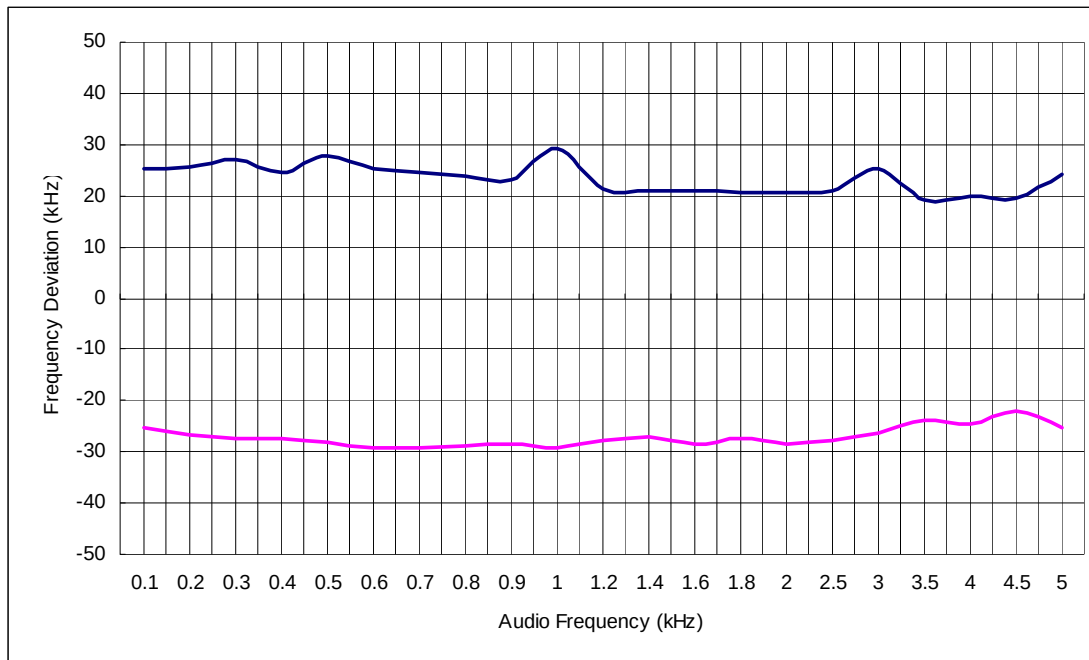


Registration number: W6M21405-14188-C-1

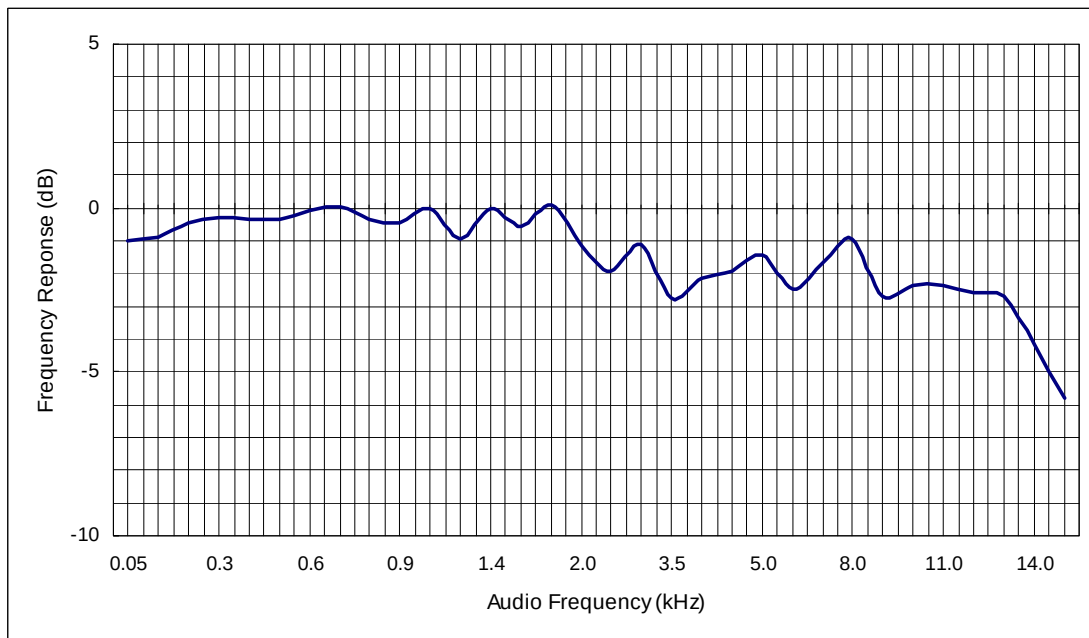
FCC ID: M5X-ACT32HC

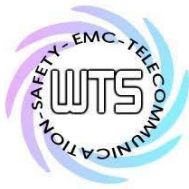
IC: 2978A-ACT32HC

Frequency Deviation



Audio Response





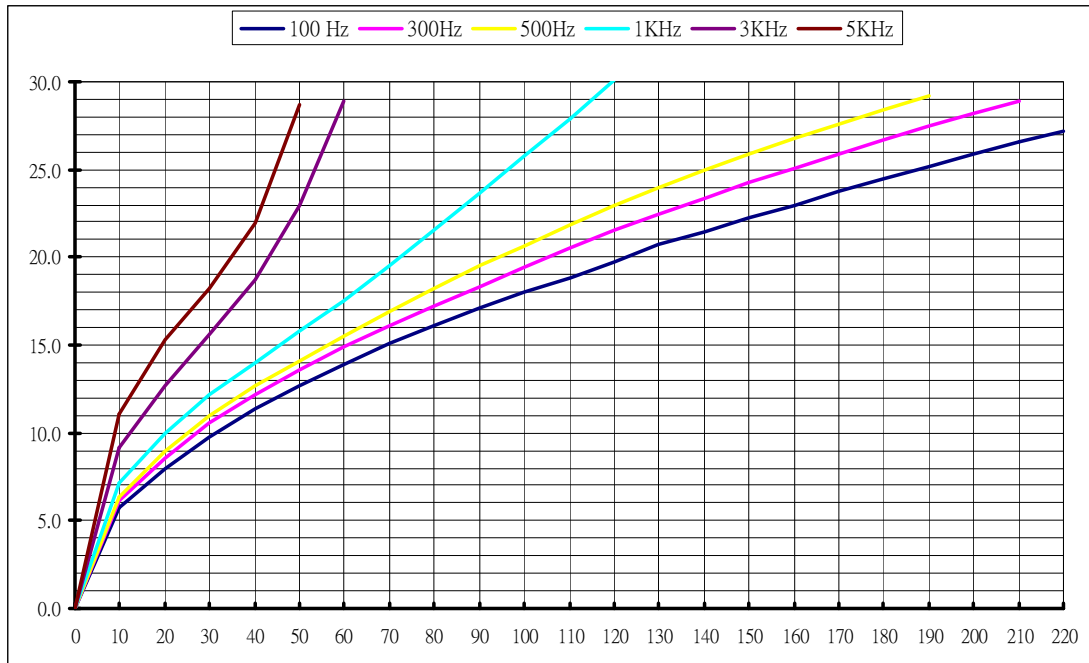
Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

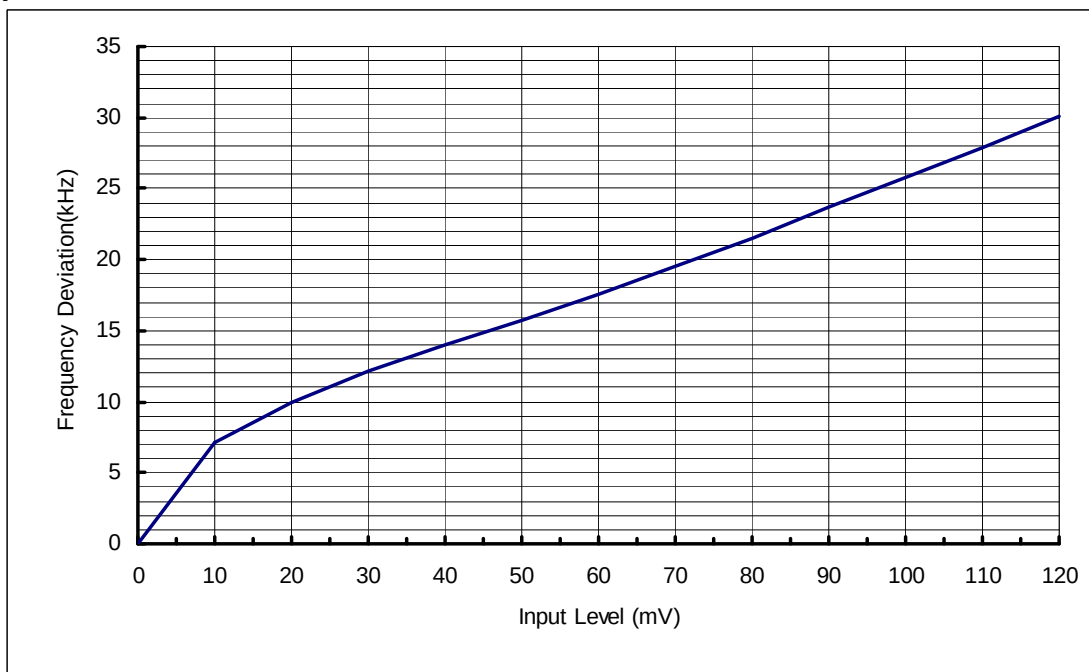
IC: 2978A-ACT32HC

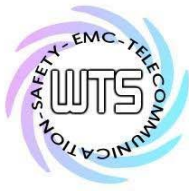
656MHz

Modulation Characteristics



Frequency Deviation at 1kHz



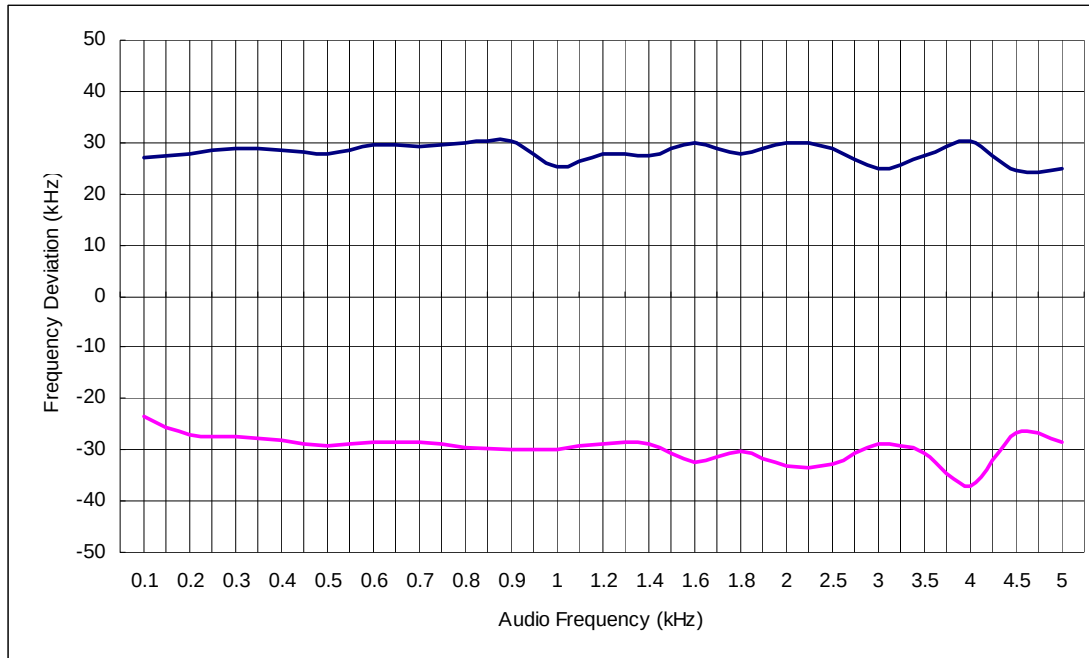


Registration number: W6M21405-14188-C-1

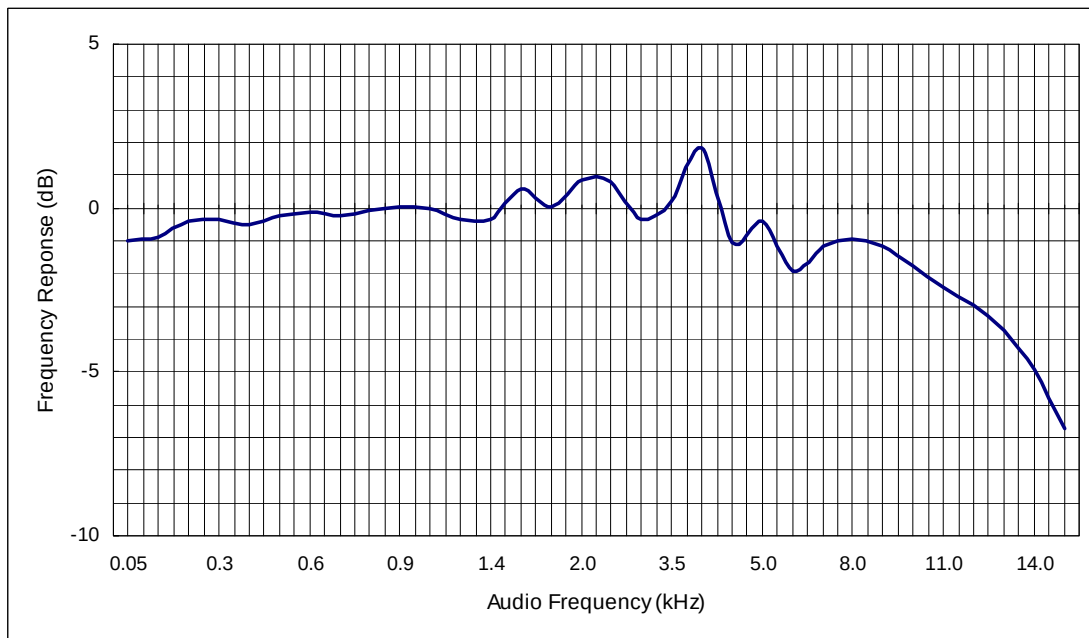
FCC ID: M5X-ACT32HC

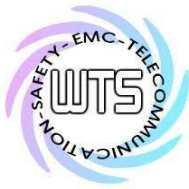
IC: 2978A-ACT32HC

Frequency Deviation



Audio Response





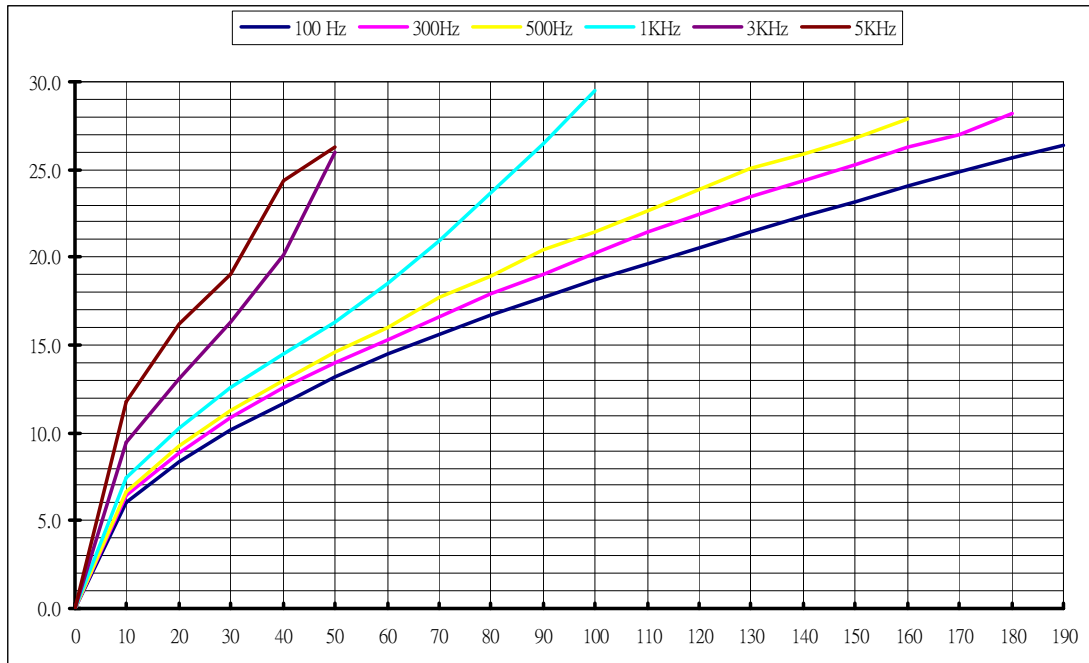
Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

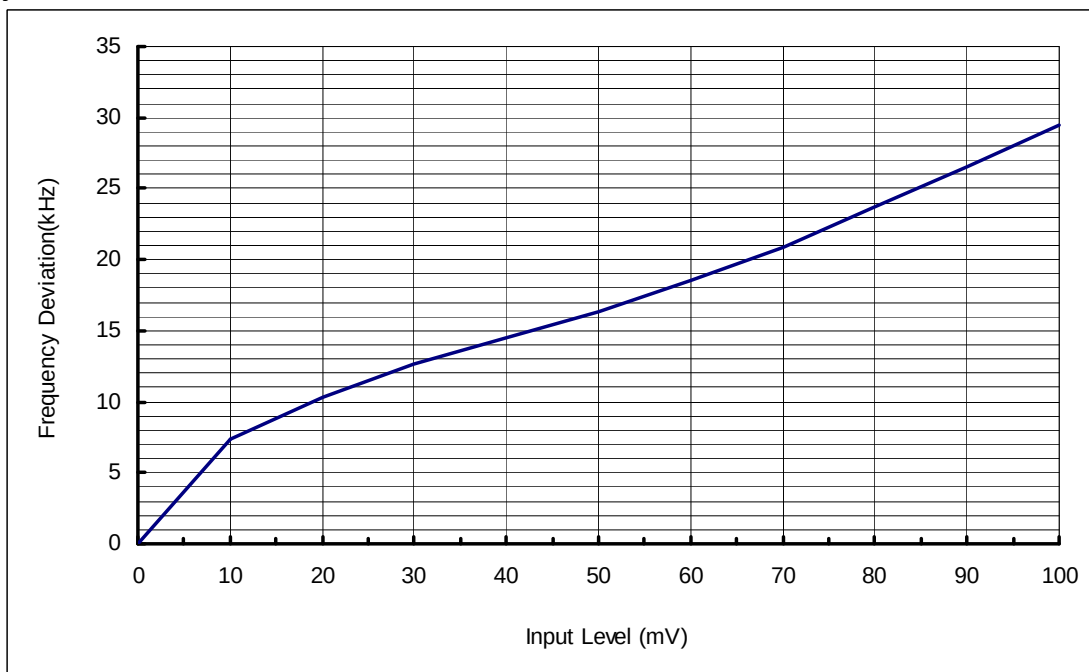
IC: 2978A-ACT32HC

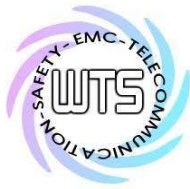
697.9 MHz

Modulation Characteristics



Frequency Deviation at 1kHz



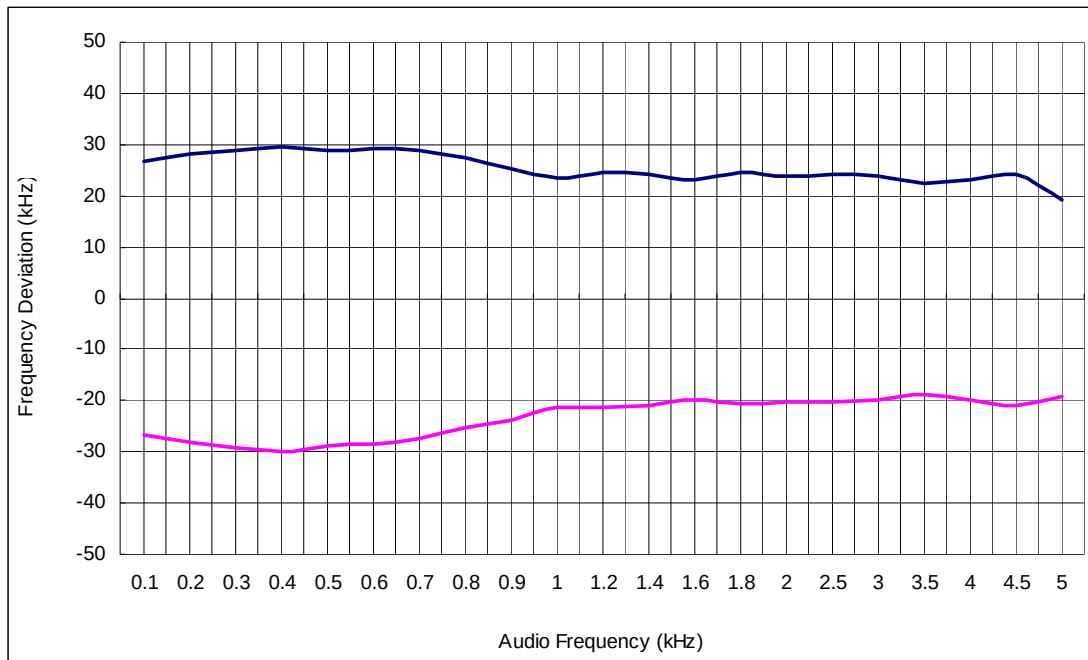


Registration number: W6M21405-14188-C-1

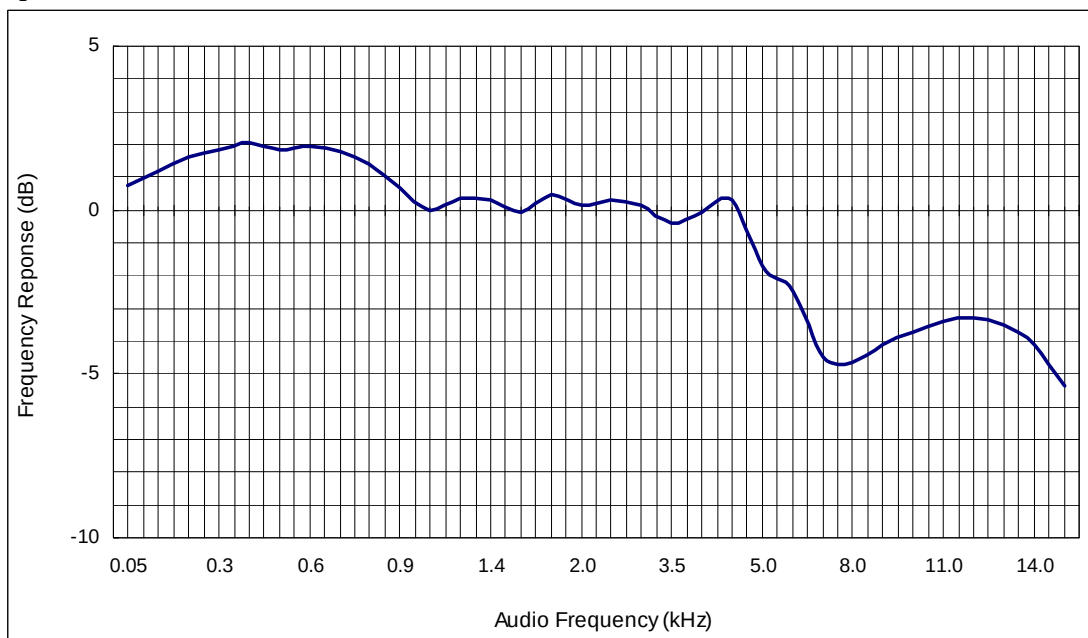
FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

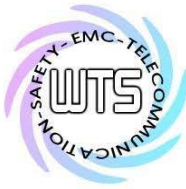
Frequency Deviation



Audio Response







## ***Worldwide Testing Services(Taiwan) Co., Ltd.***

Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

Radiation Spurious Emission-According to FCC Part 74.861



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

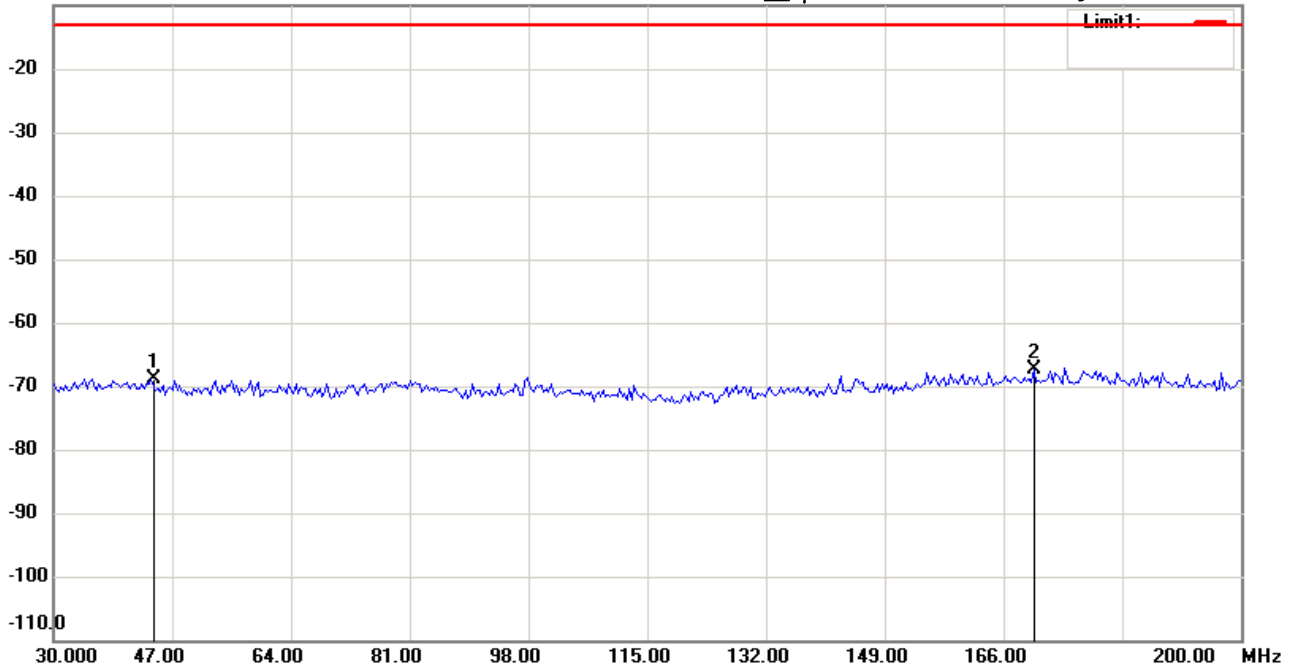
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:25:10

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 43.9680         | -91.33        | peak     | 22.42             | -68.91       | -13.00      | 150          | 220            | -55.91      |         |
| *   | 170.3607        | -90.15        | peak     | 22.67             | -67.48       | -13.00      | 150          | 170            | -54.48      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

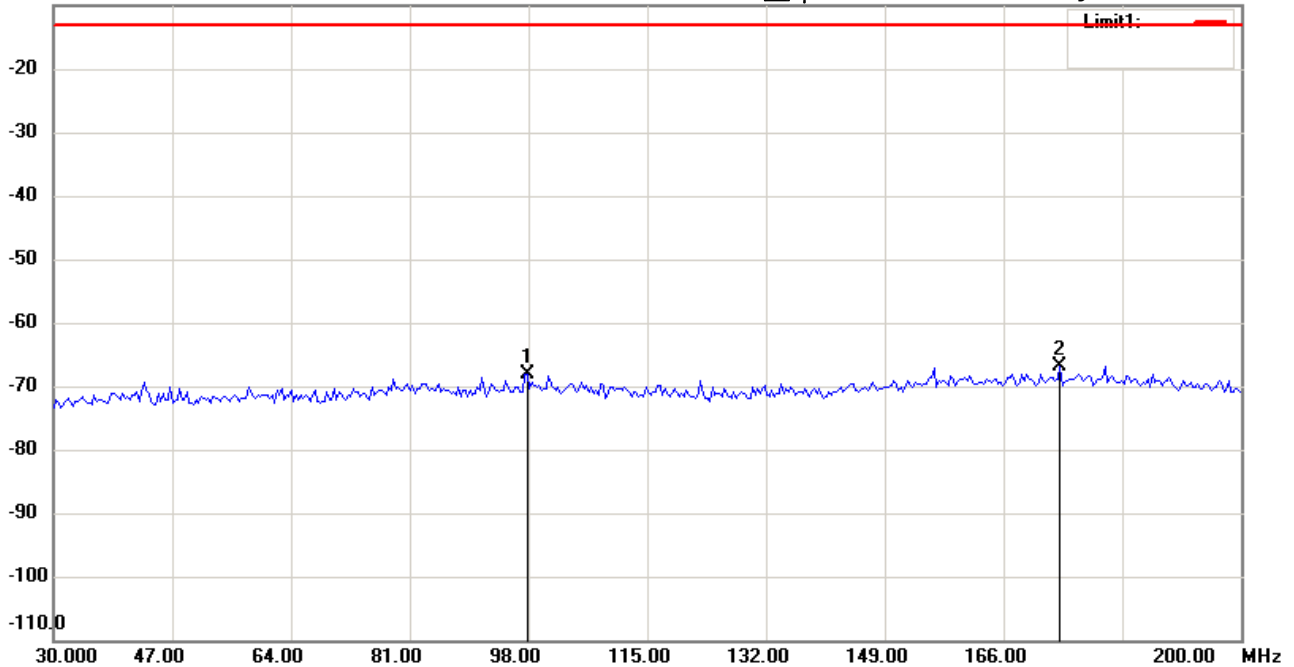
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:30:43

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.7955         | -90.28        | peak     | 22.16             | -68.12       | -13.00      | 150          | 320            | -55.12      |         |
| *   | 174.1082        | -89.96        | peak     | 23.21             | -66.75       | -13.00      | 150          | 110            | -53.75      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

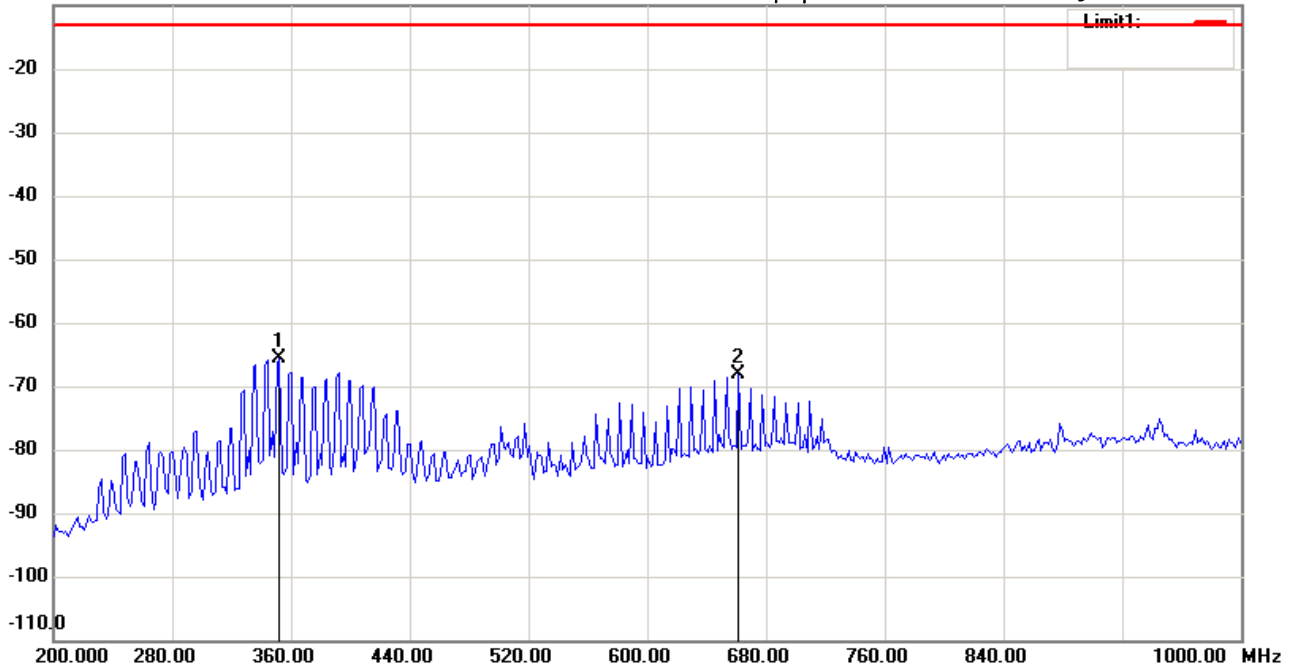
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:12:35

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 352.3046        | -55.14        | peak     | -10.55            | -65.69       | -13.00      | 150          | 180            | -52.69      |         |
|     | 661.7234        | -65.58        | peak     | -2.59             | -68.17       | -13.00      | 150          | 120            | -55.17      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

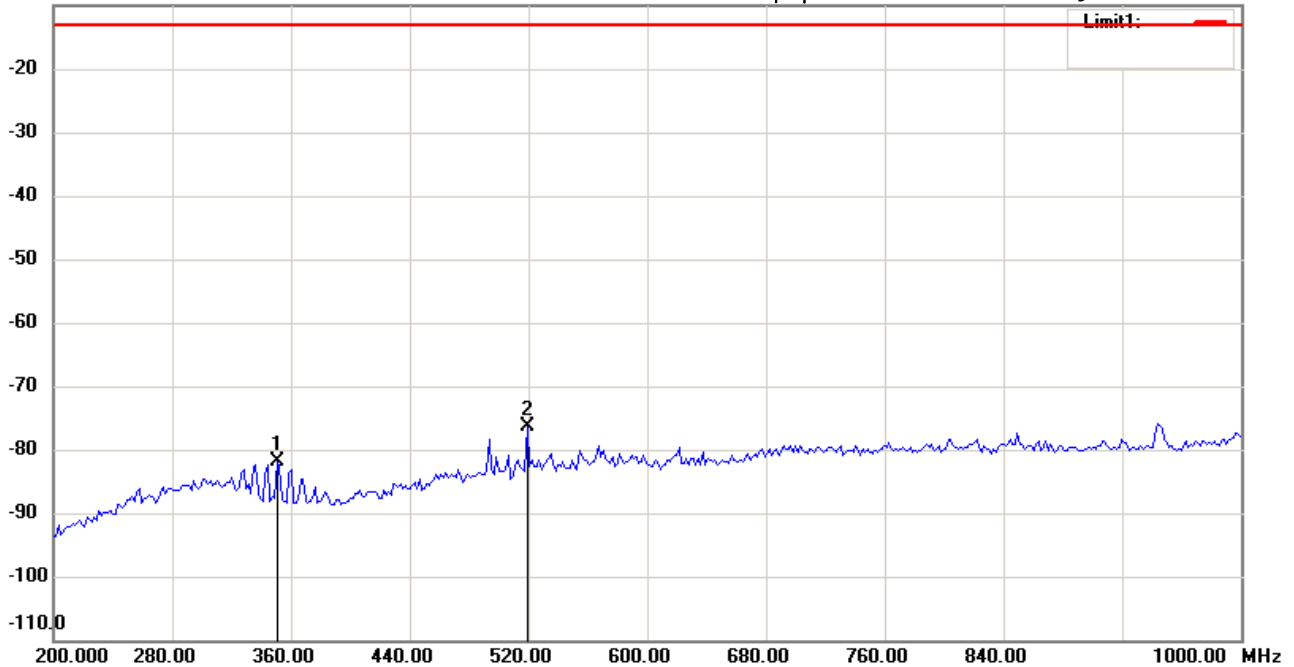
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:10:25

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 350.7014        | -69.79        | peak     | -12.14            | -81.93       | -13.00      | 150          | 200            | -68.93      |         |
| *   | 519.0381        | -69.84        | peak     | -6.55             | -76.39       | -13.00      | 150          | 140            | -63.39      |         |

\*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

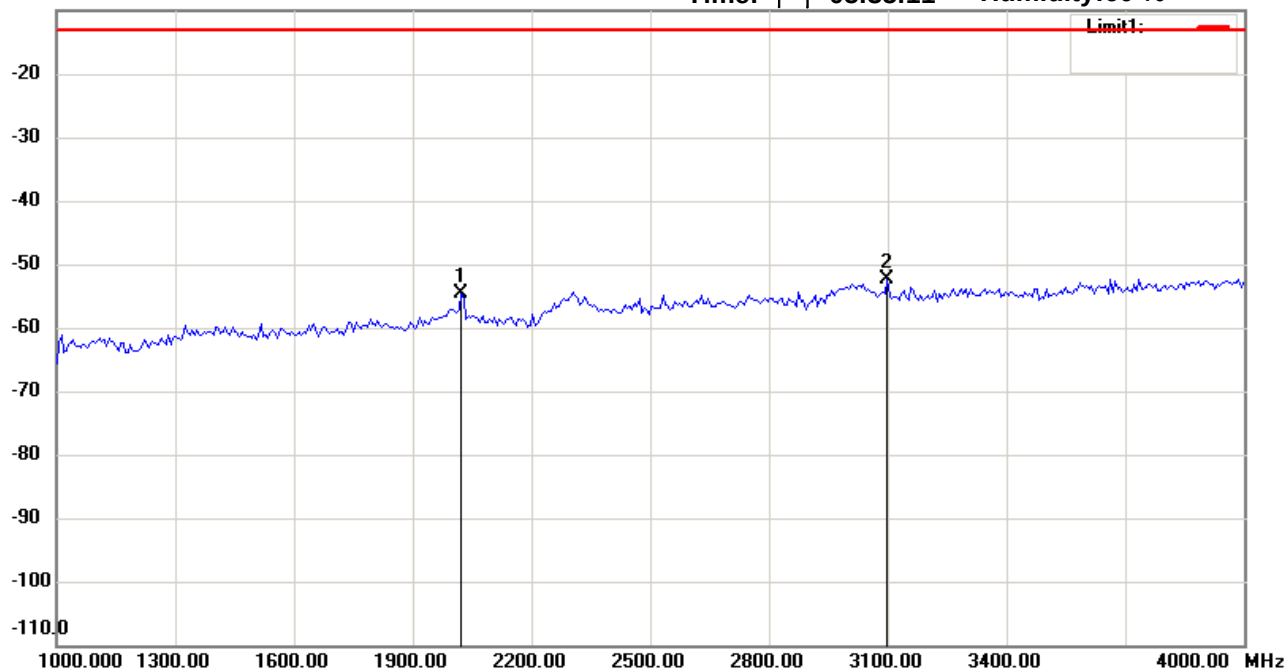
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:35:11

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2022.044        | -58.37        | peak     | 3.76              | -54.61       | -13.00      | 150          | 10             | -41.61      |         |
| *   | 3098.196        | -59.62        | peak     | 7.18              | -52.44       | -13.00      | 150          | 210            | -39.44      |         |

\*:Maximum data    x:Over limit    !:over margin





Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

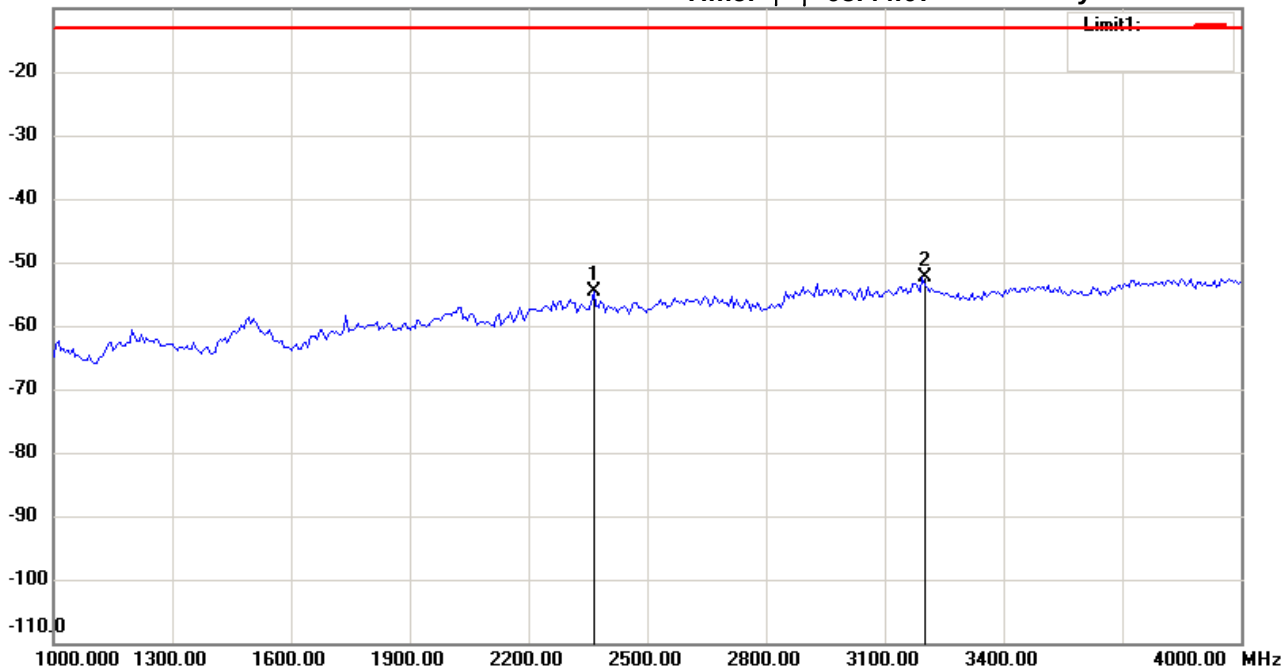
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:44:07

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2364.729        | -59.28        | peak     | 4.60              | -54.68       | -13.00      | 150          | 300            | -41.68      |         |
| *   | 3194.389        | -60.42        | peak     | 8.17              | -52.25       | -13.00      | 150          | 120            | -39.25      |         |



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Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

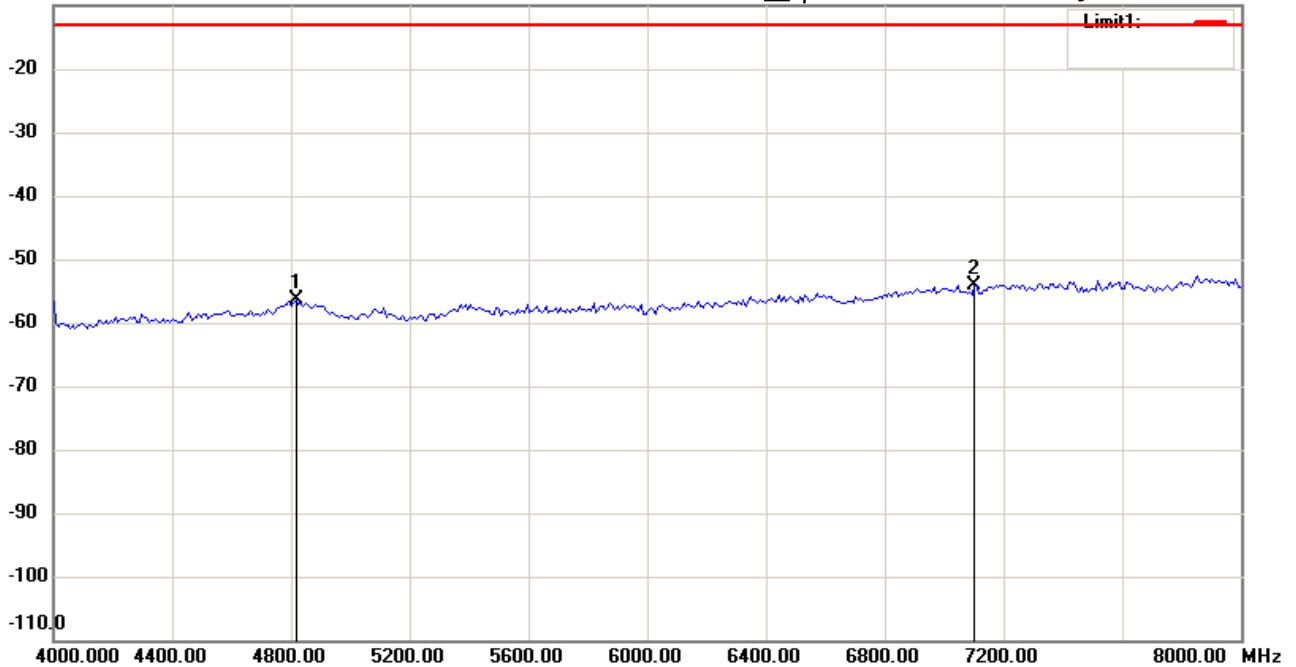
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:11:08

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4817.635        | -66.08        | peak     | 9.73              | -56.35       | -13.00      | 150          | 100            | -43.35      |         |
| *   | 7102.204        | -64.95        | peak     | 10.83             | -54.12       | -13.00      | 150          | 230            | -41.12      |         |

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

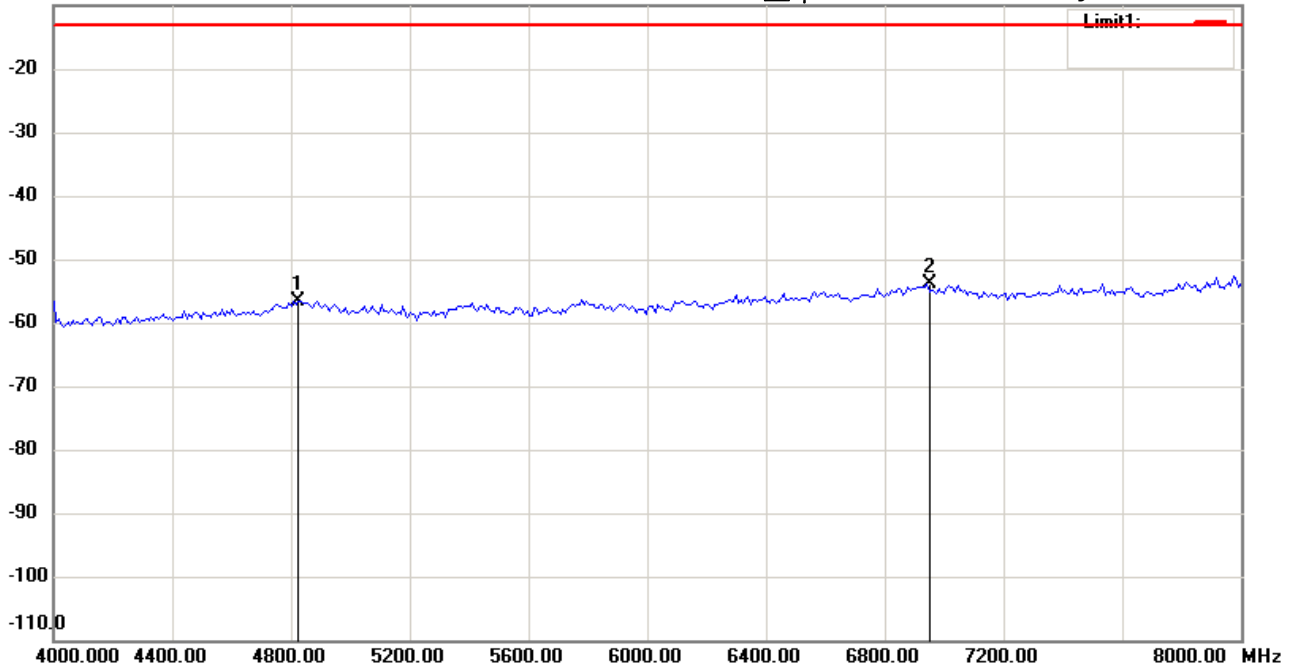
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:11:19

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4825.651        | -66.33        | peak     | 9.81              | -56.52       | -13.00      | 150          | 100            | -43.52      |         |
| *   | 6941.884        | -65.69        | peak     | 11.89             | -53.80       | -13.00      | 150          | 140            | -40.80      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

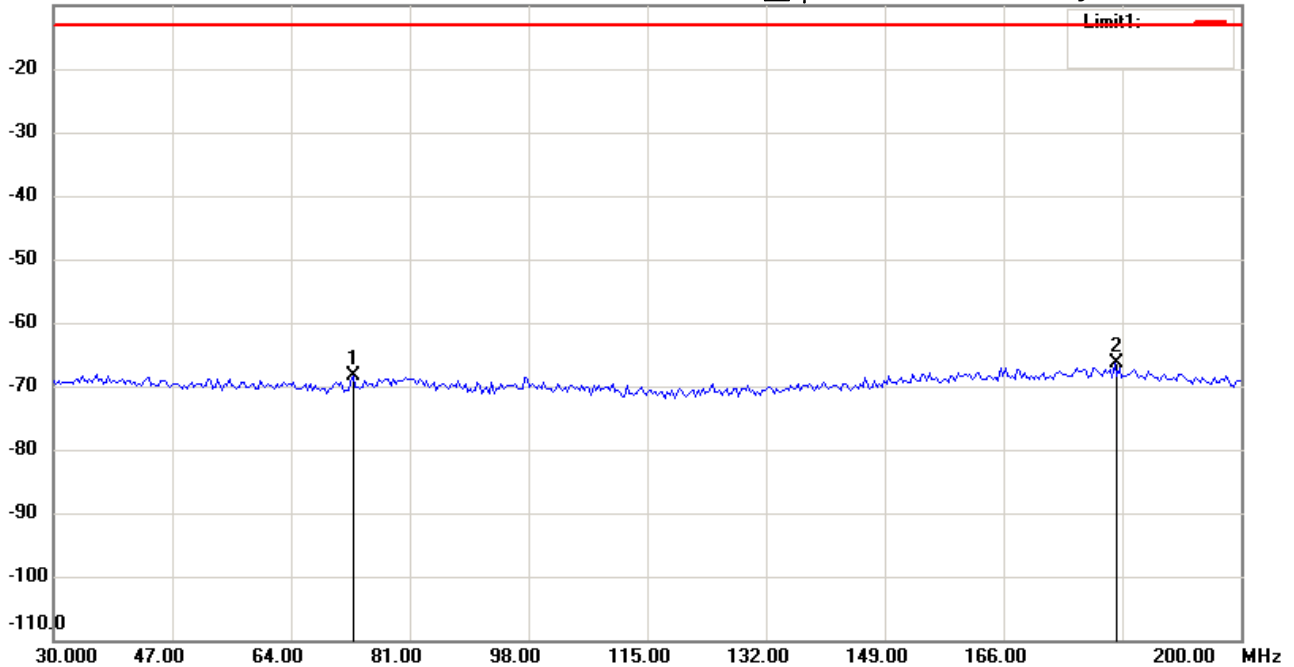
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:26:43

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 72.9258         | -89.52        | peak     | 21.21             | -68.31       | -13.00      | 150          | 100            | -55.31      |         |
| *   | 181.9440        | -89.06        | peak     | 22.69             | -66.37       | -13.00      | 150          | 270            | -53.37      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

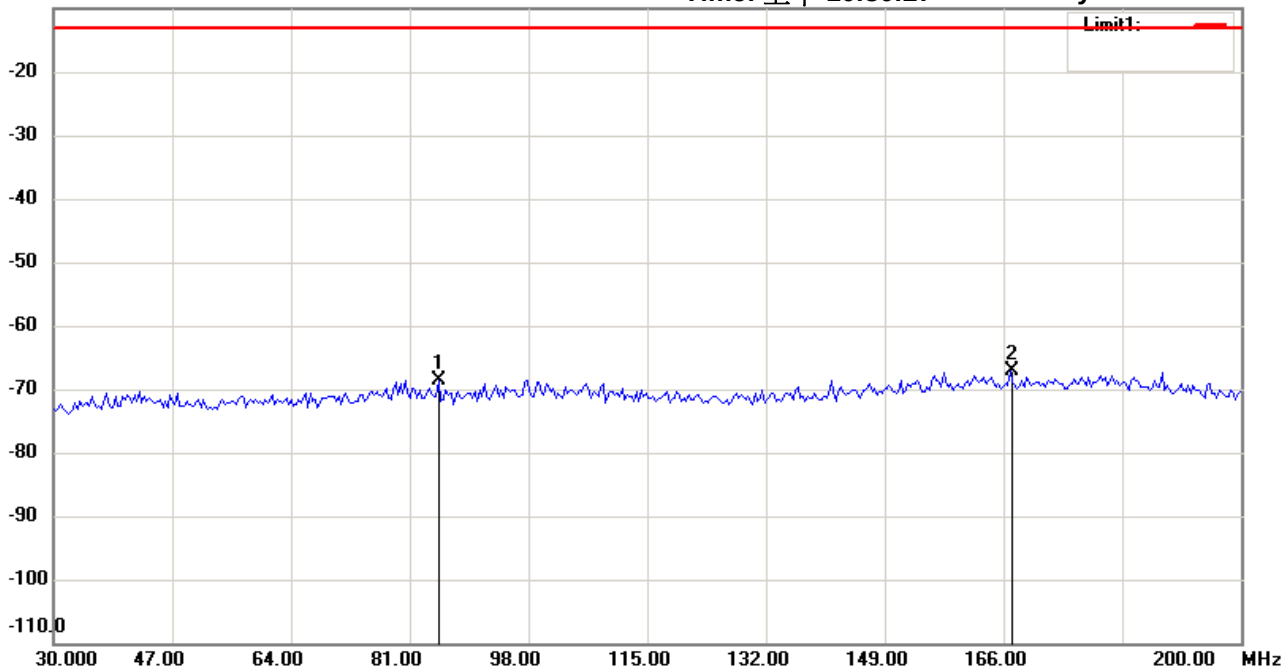
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:30:27

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 85.1902         | -90.17        | peak     | 21.67             | -68.50       | -13.00      | 150          | 130            | -55.50      |         |
| *   | 166.9540        | -90.33        | peak     | 23.16             | -67.17       | -13.00      | 150          | 220            | -54.17      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

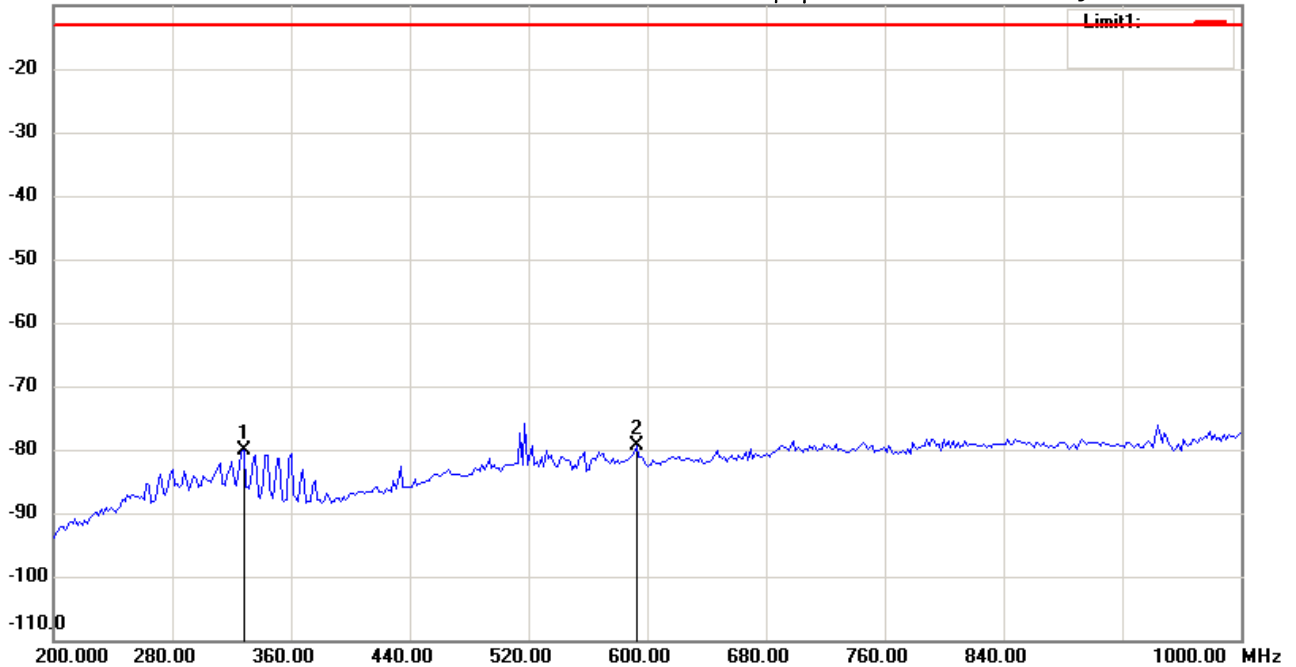
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:53:25

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

Polarization: **Vertical**

EUT : W6M21405-14188

Power : 3.7Va.c.

M/N:

Distance: 3m

Test Mode : 557MHz

Note :

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 328.2565        | -69.16        | peak     | -10.90            | -80.06       | -13.00      | 150          | 260            | -67.06      |         |
| *   | 592.7856        | -73.47        | peak     | -5.92             | -79.39       | -13.00      | 150          | 170            | -66.39      |         |

\*:Maximum data    x:Over limit    !:over margin





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Tel:+886-2-6606-8877  
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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

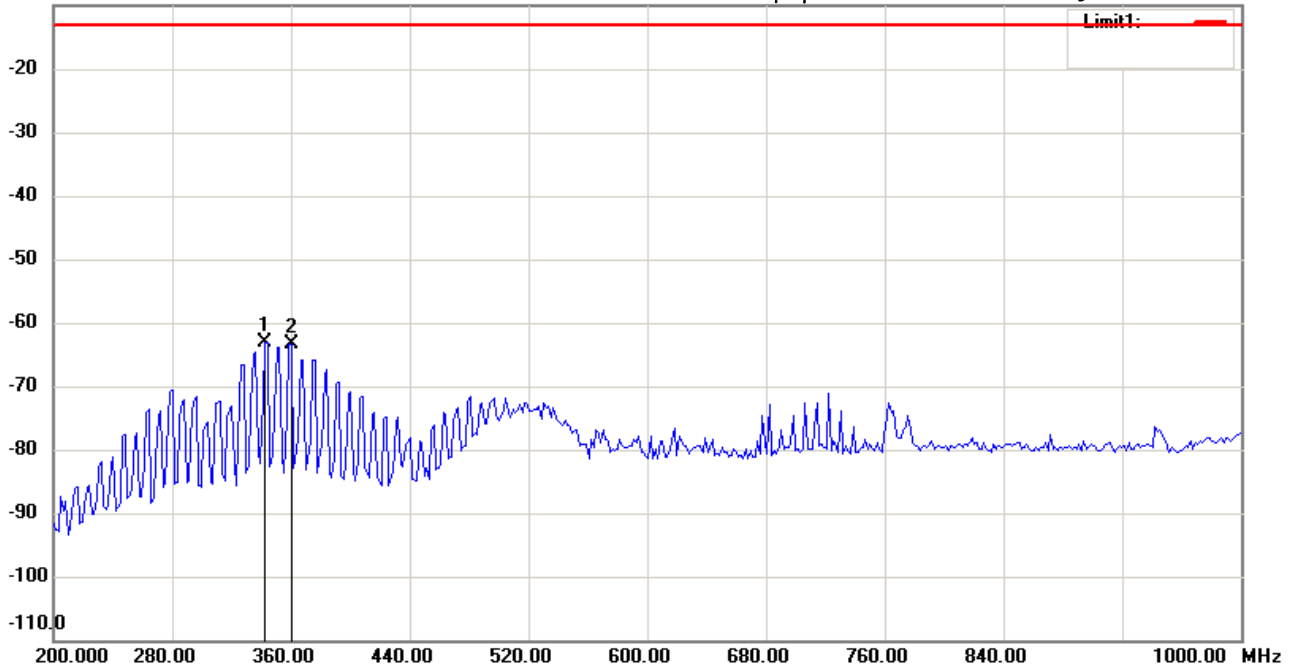
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:56:59

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 342.6854        | -51.10        | peak     | -12.01            | -63.11       | -13.00      | 150          | 330            | -50.11      |         |
|     | 360.3206        | -51.00        | peak     | -12.31            | -63.31       | -13.00      | 150          | 170            | -50.31      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

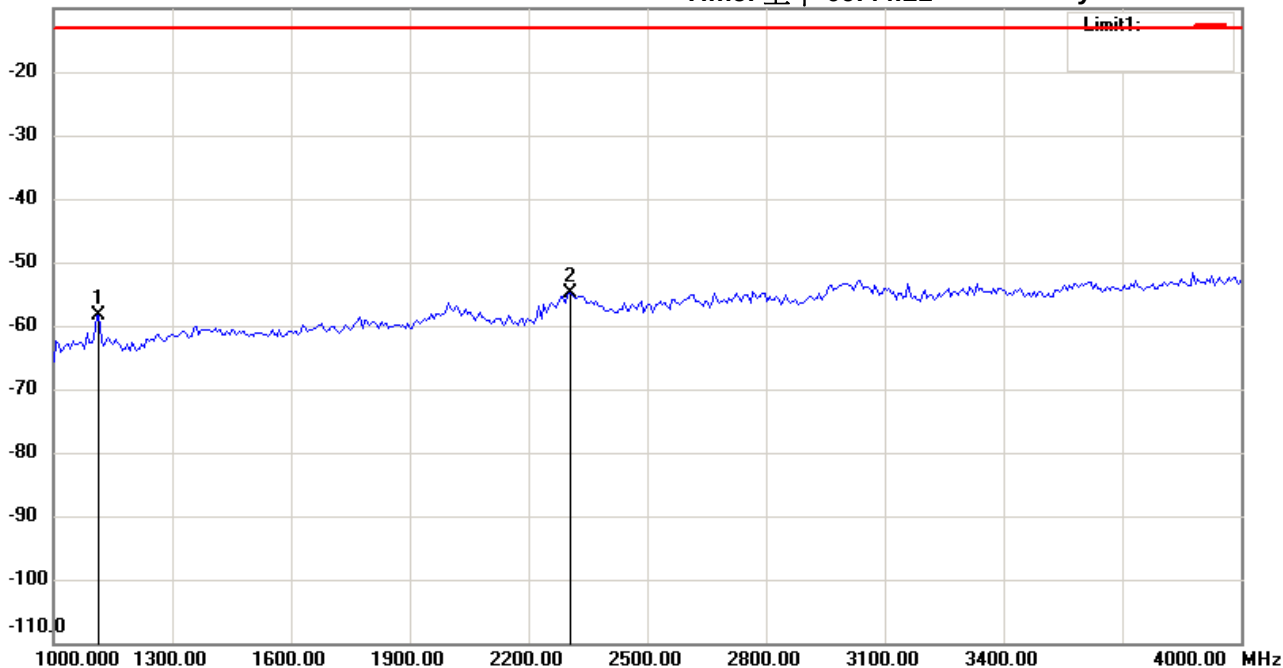
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:44:21

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1114.228        | -58.10        | peak     | -0.23             | -58.33       | -13.00      | 150          | 120            | -45.33      |         |
| *   | 2304.609        | -60.93        | peak     | 6.06              | -54.87       | -13.00      | 150          | 220            | -41.87      |         |

\*:Maximum data    x:Over limit    !:over margin



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Tel:+886-2-6606-8877  
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Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

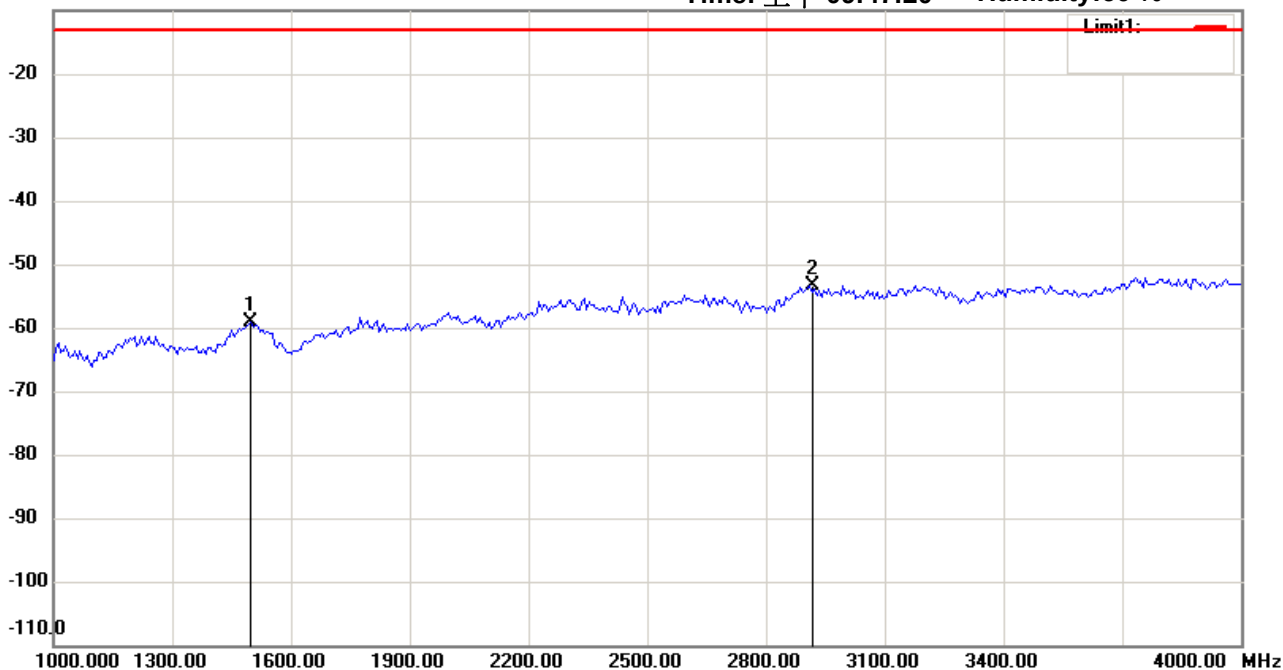
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:47:20

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1498.998        | -61.24        | peak     | 2.17              | -59.07       | -13.00      | 150          | 250            | -46.07      |         |
| *   | 2911.824        | -60.92        | peak     | 7.54              | -53.38       | -13.00      | 150          | 170            | -40.38      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

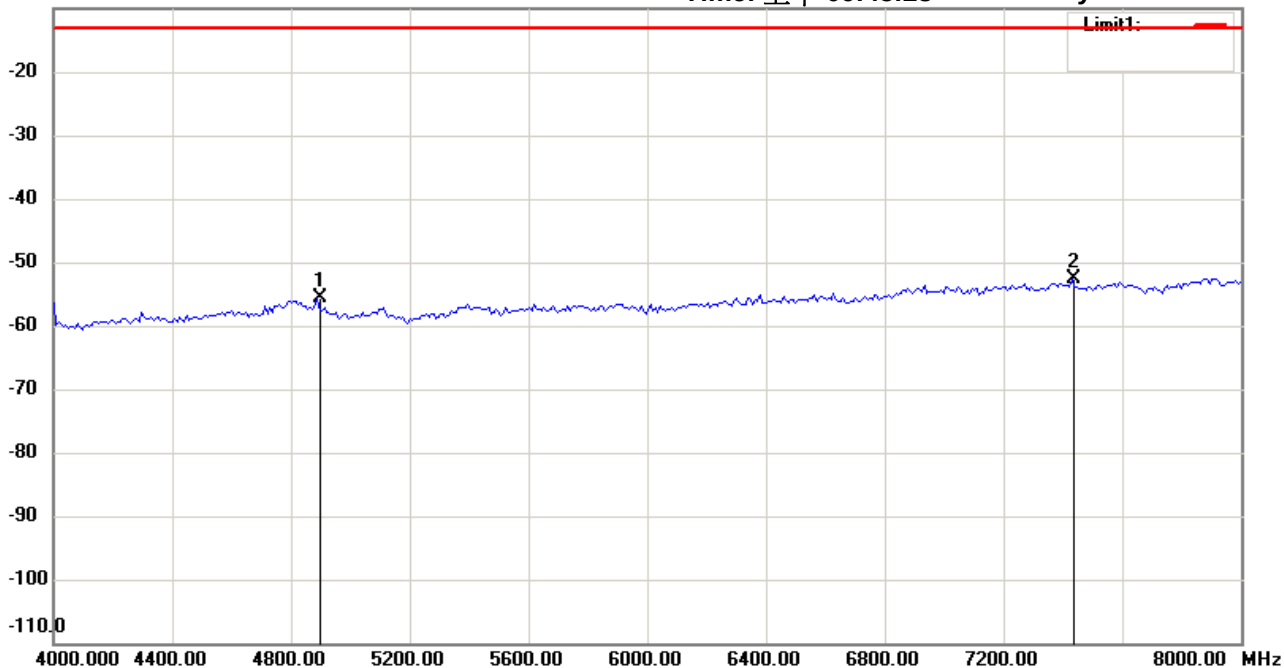
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:45:28

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4889.780        | -64.76        | peak     | 9.09              | -55.67       | -13.00      | 150          | 170            | -42.67      |         |
| *   | 7430.862        | -63.28        | peak     | 10.63             | -52.65       | -13.00      | 150          | 330            | -39.65      |         |

\*:Maximum data    x:Over limit    !:over margin



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Tel:+886-2-6606-8877  
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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

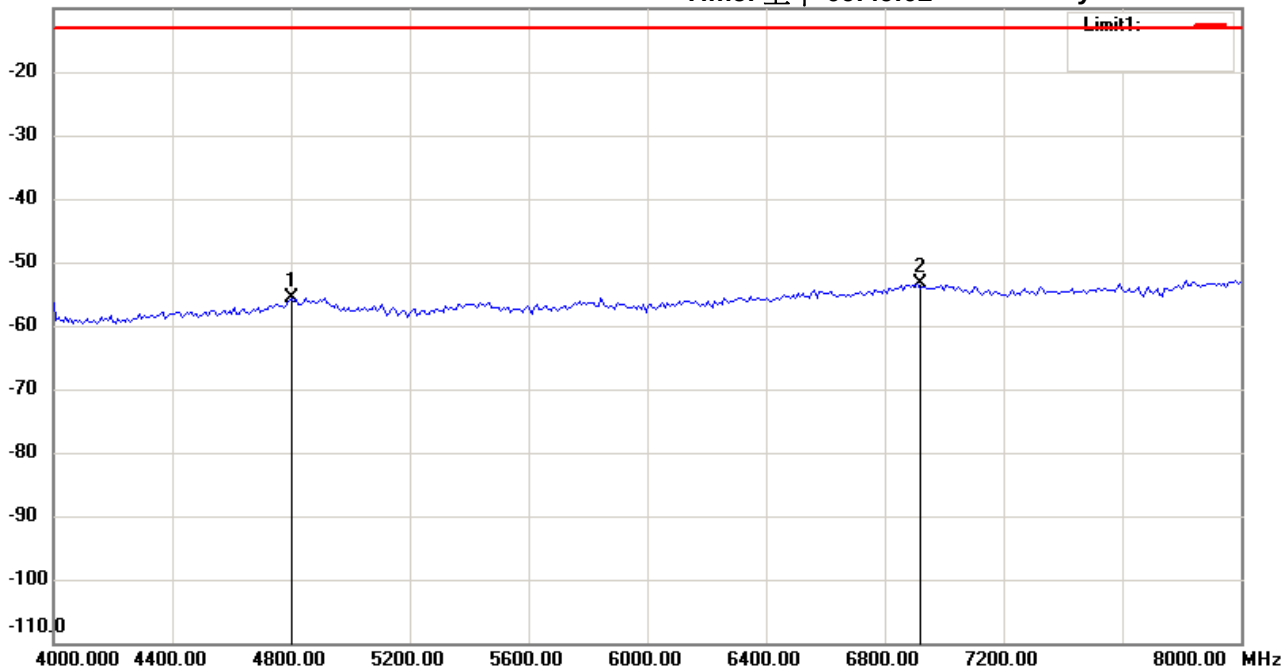
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:49:02

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4801.603        | -65.49        | peak     | 9.83              | -55.66       | -13.00      | 150          | 170            | -42.66      |         |
| *   | 6909.820        | -65.46        | peak     | 12.11             | -53.35       | -13.00      | 150          | 220            | -40.35      |         |

\*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

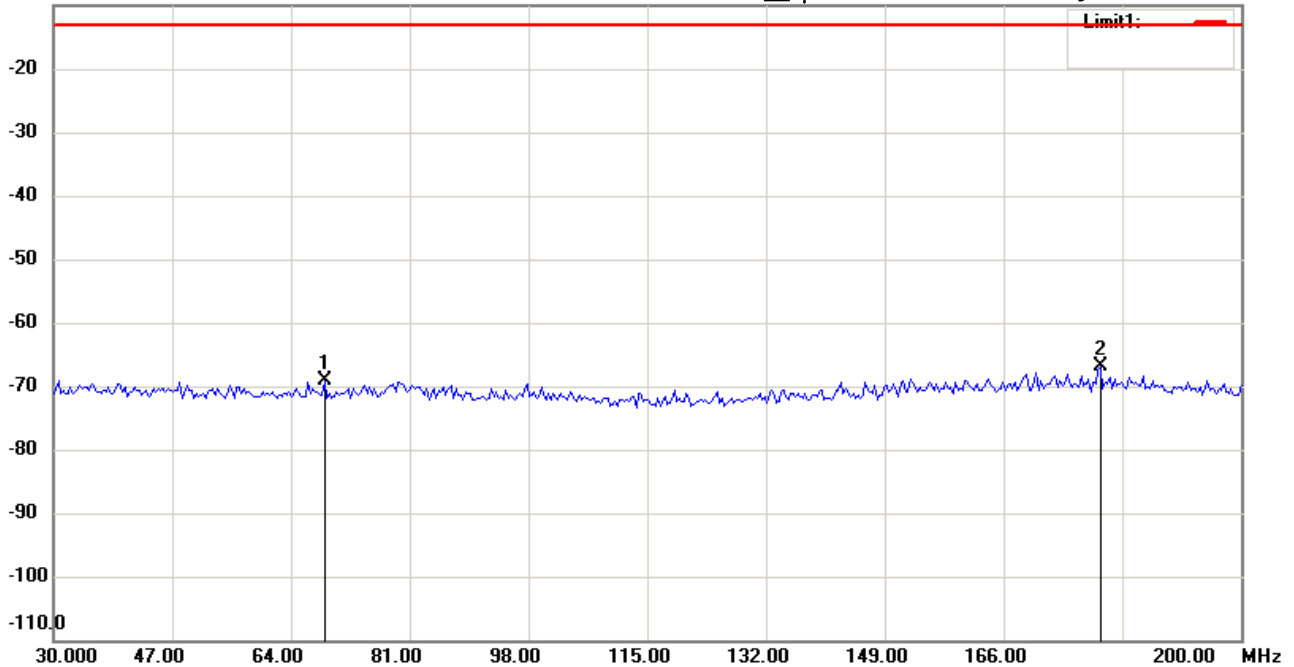
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:27:03

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 68.8376         | -90.05        | peak     | 20.91             | -69.14       | -13.00      | 150          | 220            | -56.14      |         |
| *   | 179.8997        | -89.79        | peak     | 22.88             | -66.91       | -13.00      | 150          | 170            | -53.91      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

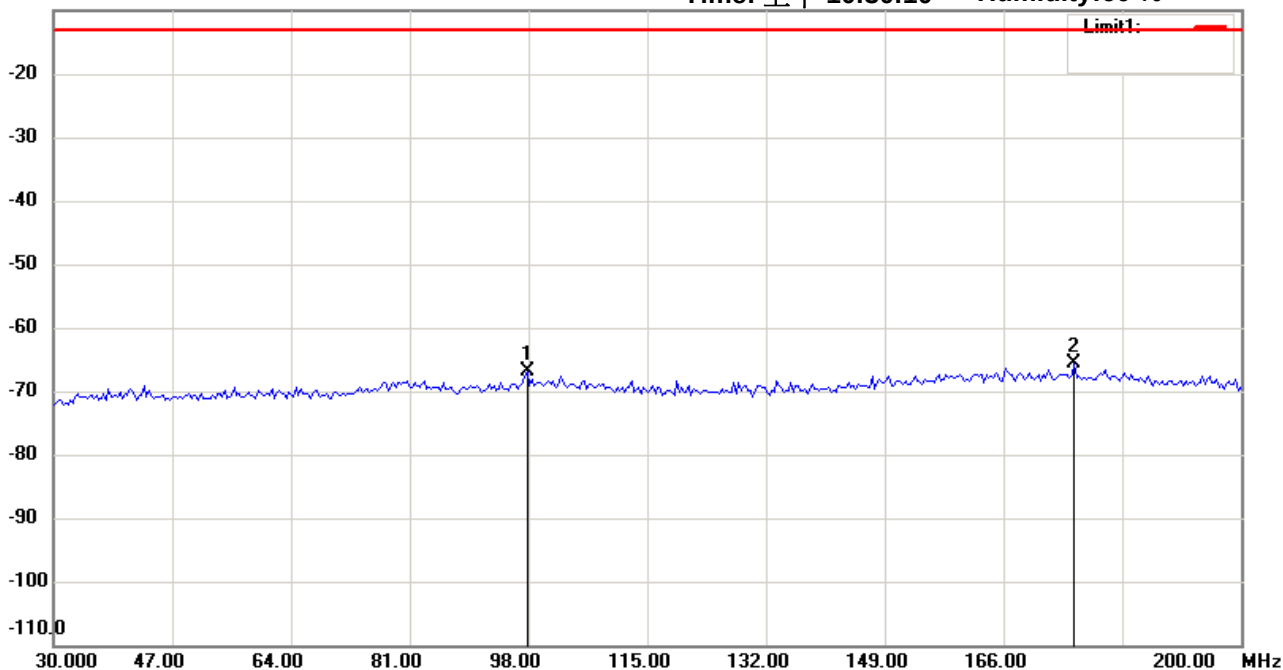
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:30:10

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.7955         | -89.10        | peak     | 22.16             | -66.94       | -13.00      | 150          | 300            | -53.94      |         |
| *   | 176.1522        | -88.78        | peak     | 23.23             | -65.55       | -13.00      | 150          | 170            | -52.55      |         |

\*:Maximum data x:Over limit !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

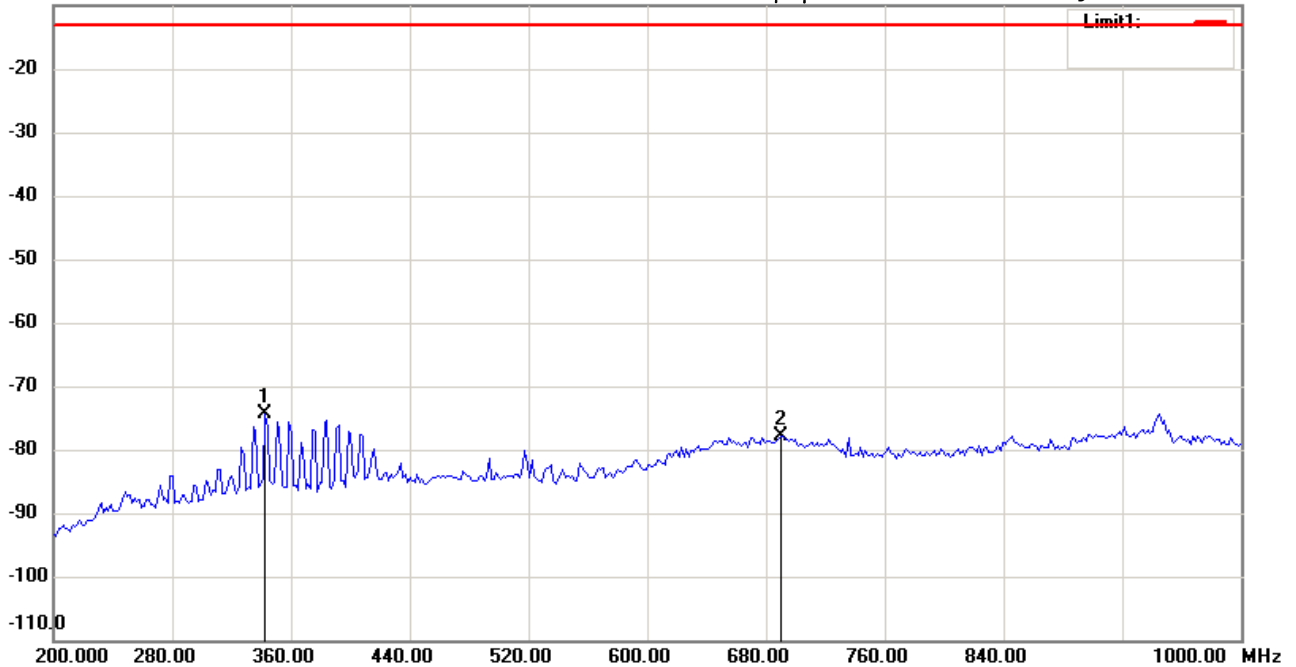
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:35:11

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 342.6854        | -63.78        | peak     | -10.56            | -74.34       | -13.00      | 150          | 100            | -61.34      |         |
|     | 690.5812        | -75.47        | peak     | -2.33             | -77.80       | -13.00      | 150          | 250            | -64.80      |         |

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

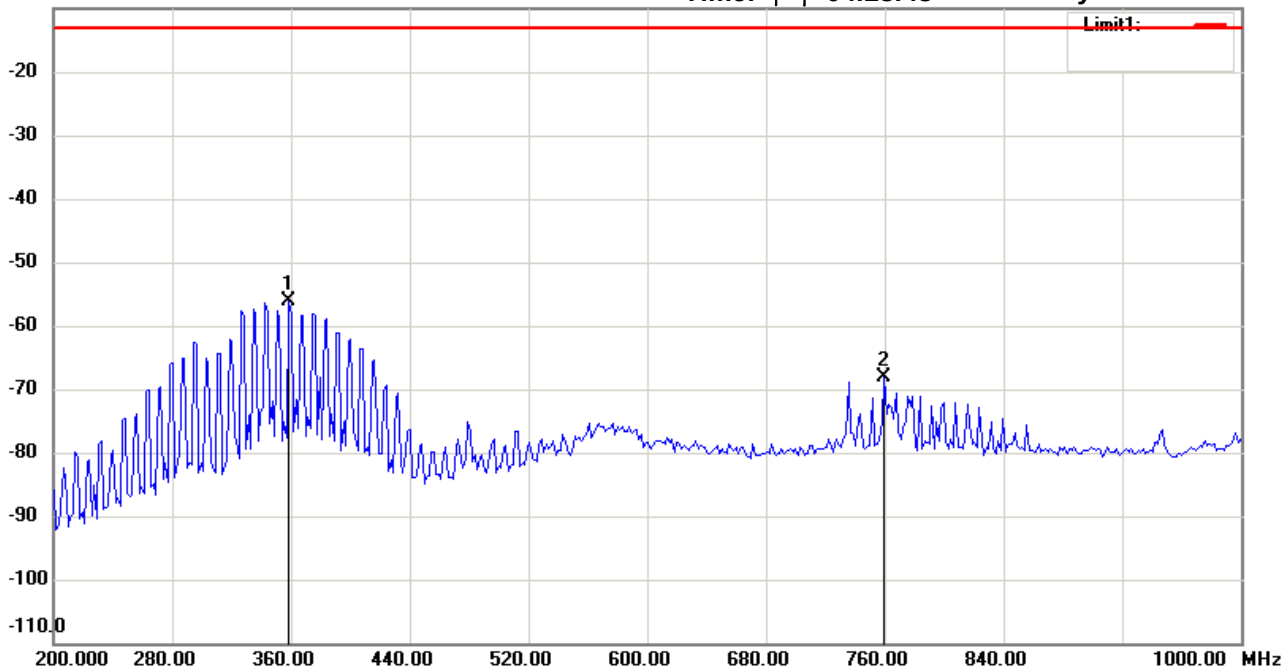
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:28:48

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 358.7174        | -43.94        | peak     | -12.28            | -56.22       | -13.00      | 150          | 320            | -43.22      |         |
|     | 759.5190        | -64.55        | peak     | -3.52             | -68.07       | -13.00      | 150          | 150            | -55.07      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

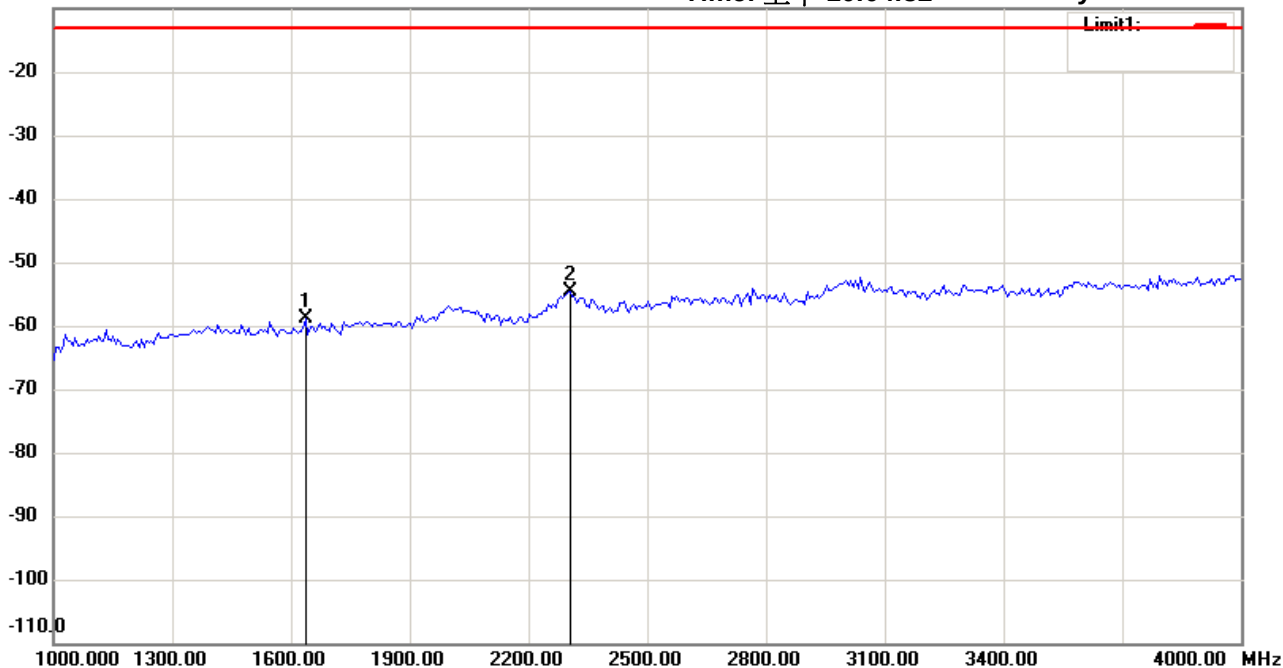
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:04:32

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1637.274        | -59.74        | peak     | 0.81              | -58.93       | -13.00      | 150          | 100            | -45.93      |         |
| *   | 2304.609        | -60.80        | peak     | 6.06              | -54.74       | -13.00      | 150          | 210            | -41.74      |         |

\*:Maximum data    x:Over limit    !:over margin



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### Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

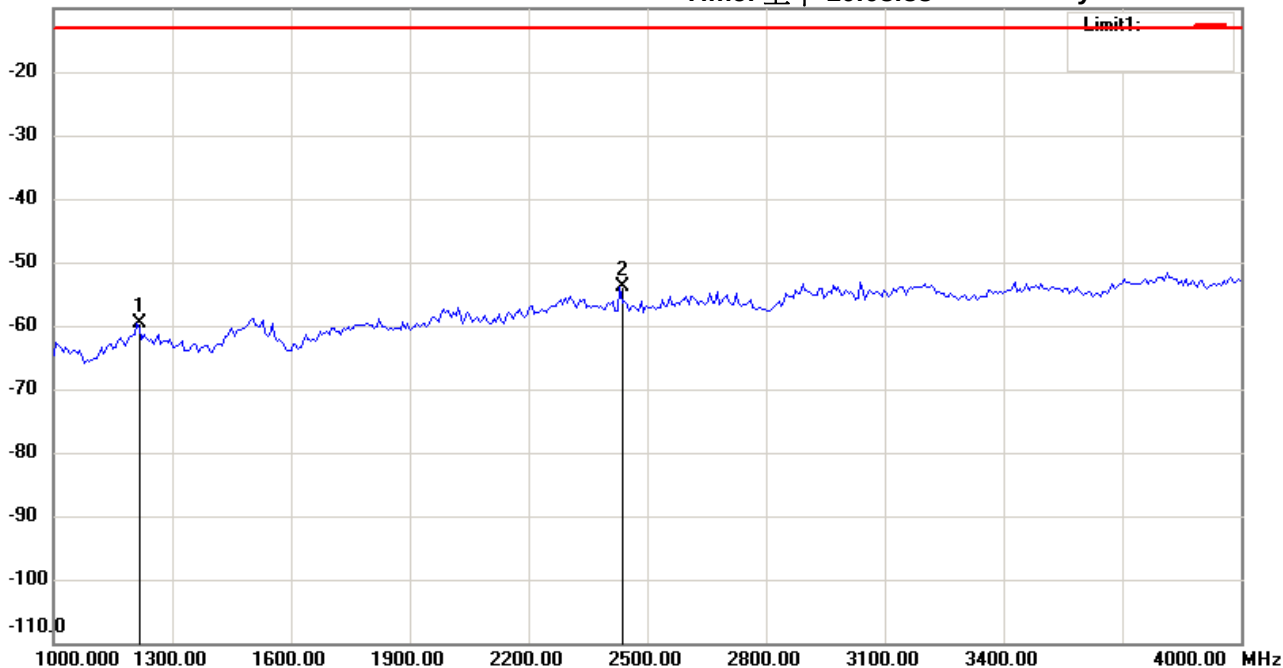
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:08:38

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1210.421        | -59.88        | peak     | 0.32              | -59.56       | -13.00      | 150          | 110            | -46.56      |         |
| *   | 2430.862        | -58.34        | peak     | 4.35              | -53.99       | -13.00      | 150          | 300            | -40.99      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

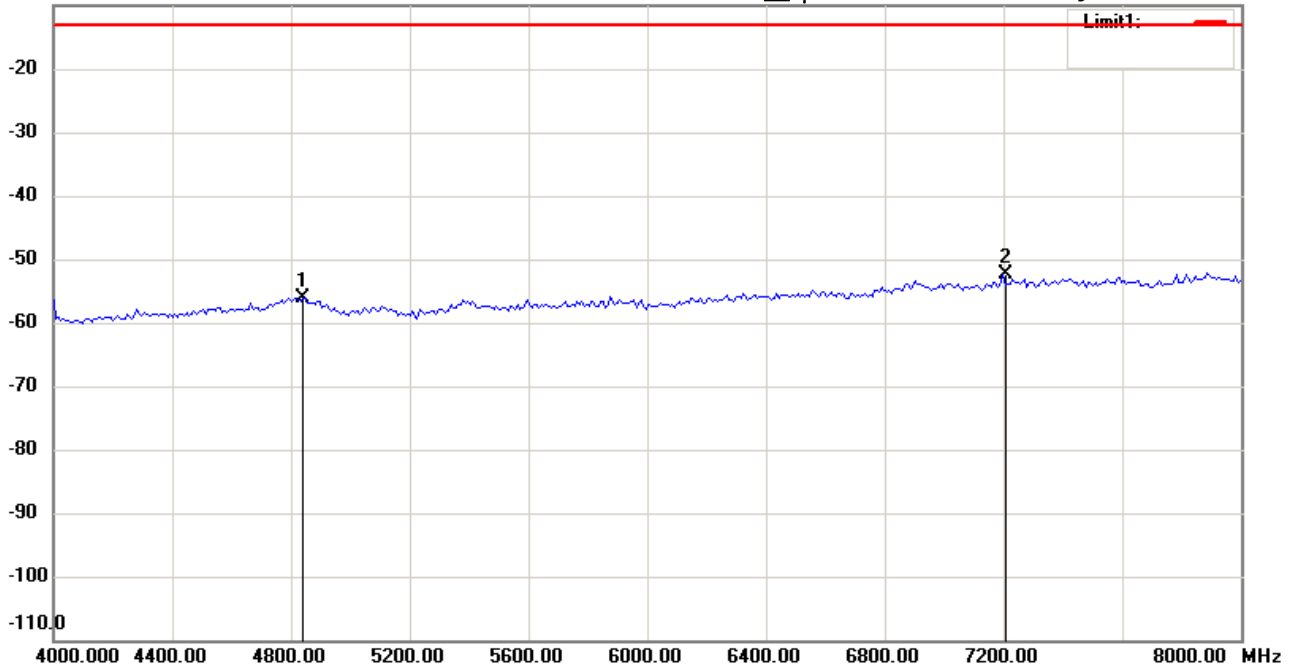
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:06:53

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4841.683        | -65.55        | peak     | 9.52              | -56.03       | -13.00      | 150          | 110            | -43.03      |         |
| *   | 7198.397        | -63.41        | peak     | 11.13             | -52.28       | -13.00      | 150          | 270            | -39.28      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

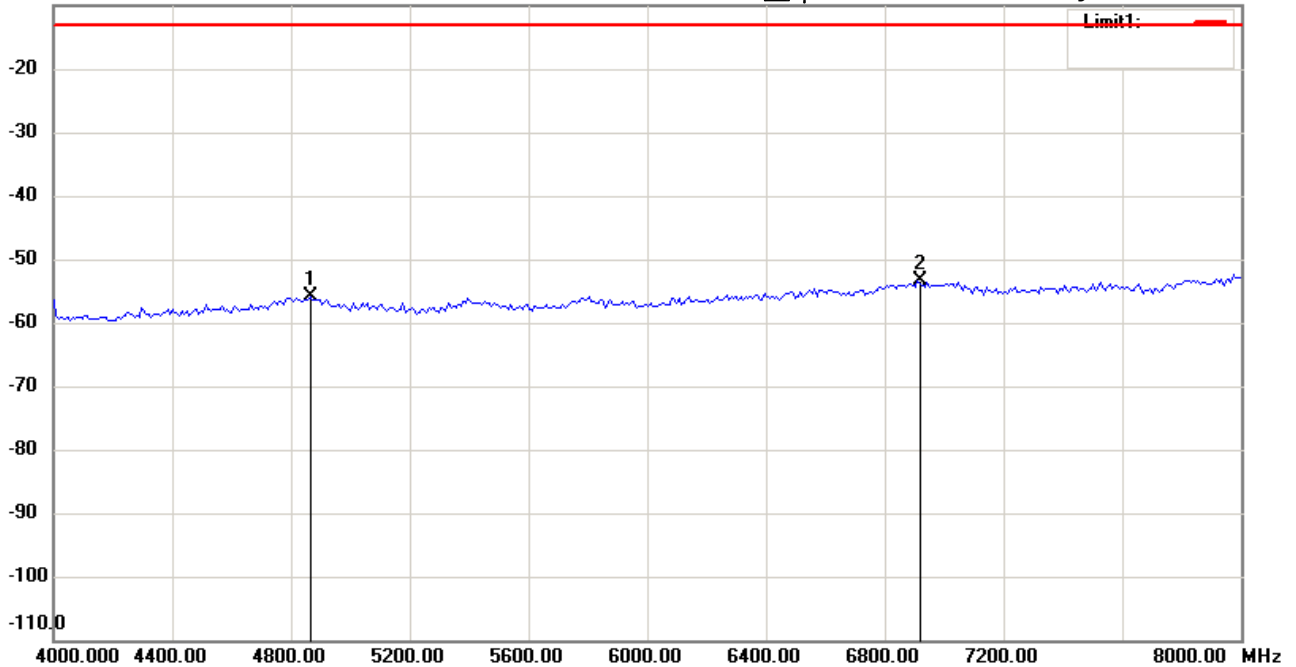
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:10:01

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4865.731        | -65.56        | peak     | 9.78              | -55.78       | -13.00      | 150          | 100            | -42.78      |         |
| *   | 6909.820        | -65.52        | peak     | 12.11             | -53.41       | -13.00      | 150          | 250            | -40.41      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

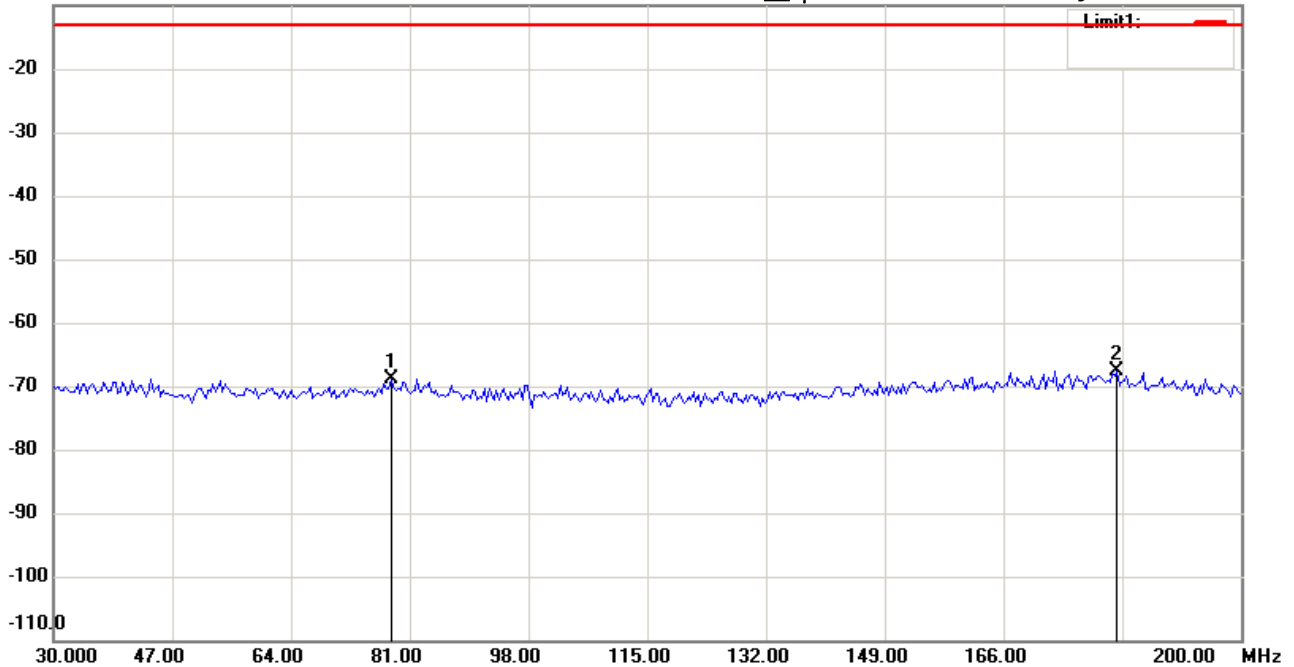
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:27:34

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 78.3768         | -90.70        | peak     | 21.89             | -68.81       | -13.00      | 150          | 100            | -55.81      |         |
| *   | 182.2846        | -90.21        | peak     | 22.66             | -67.55       | -13.00      | 150          | 250            | -54.55      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

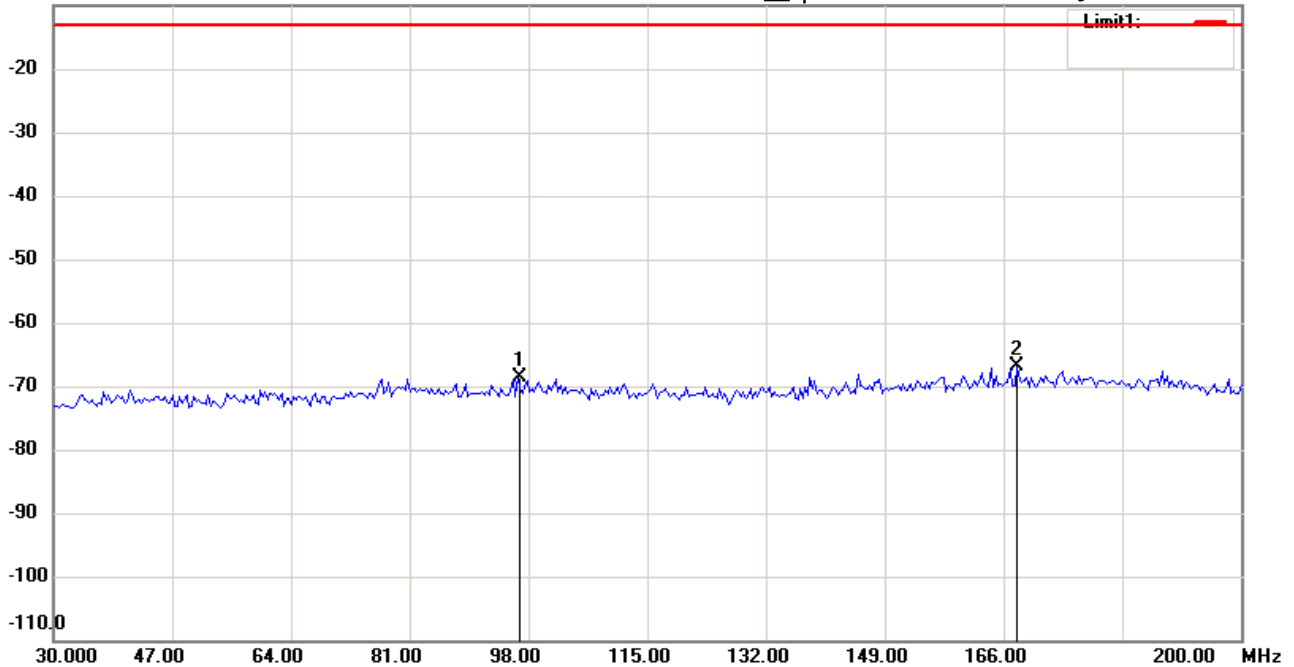
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:28:32

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 96.4330         | -90.70        | peak     | 22.00             | -68.70       | -13.00      | 150          | 210            | -55.70      |         |
| *   | 167.9760        | -90.08        | peak     | 23.16             | -66.92       | -13.00      | 150          | 300            | -53.92      |         |

\*:Maximum data x:Over limit !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

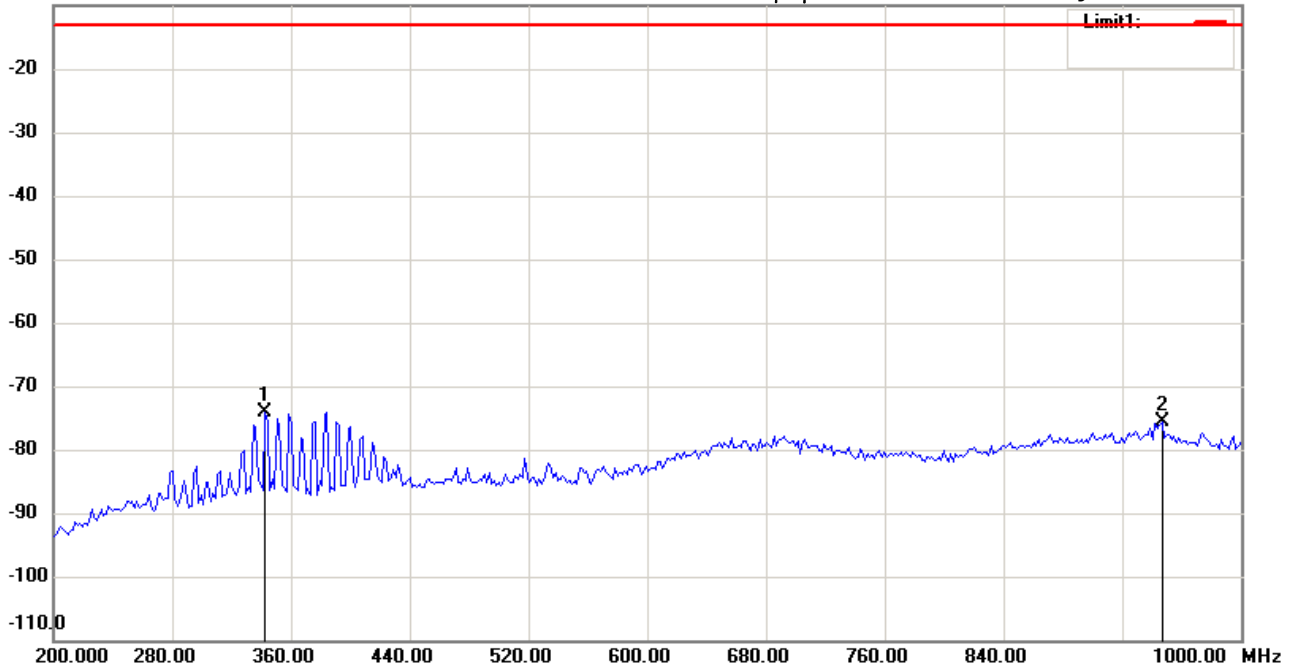
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:39:03

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 342.6854        | -63.52        | peak     | -10.56            | -74.08       | -13.00      | 150          | 300            | -61.08      |         |
|     | 947.0942        | -73.61        | peak     | -1.97             | -75.58       | -13.00      | 150          | 140            | -62.58      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

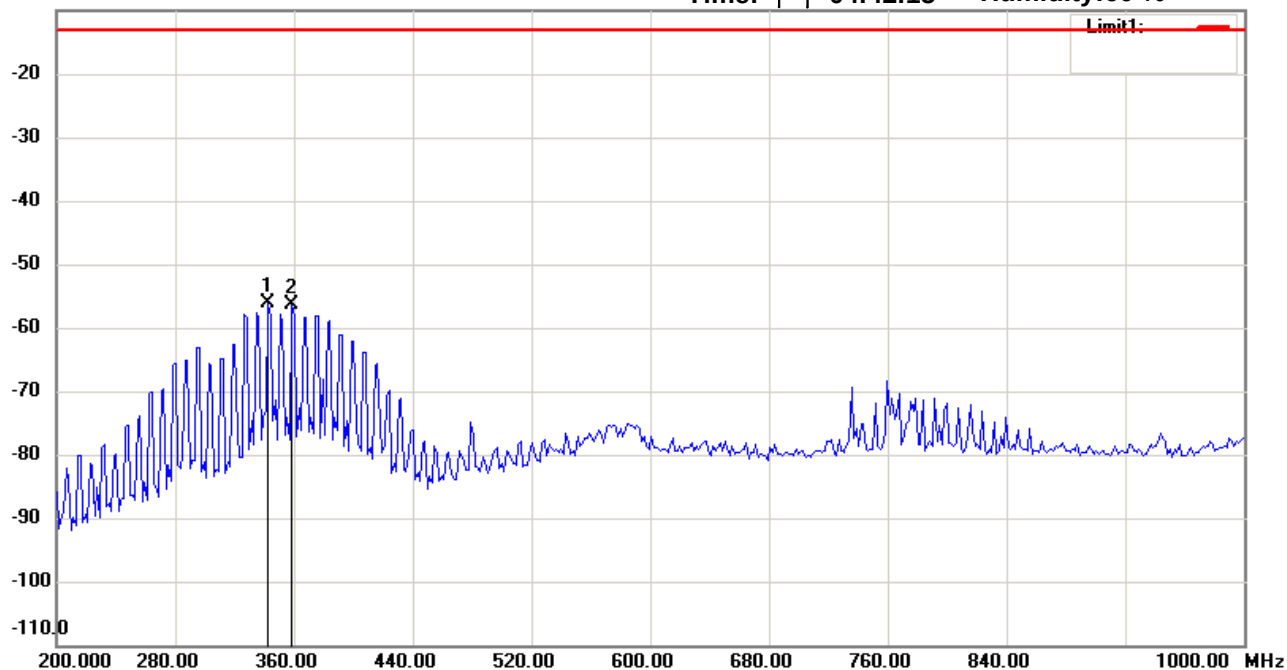
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:42:15

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 342.6854        | -44.21        | peak     | -12.01            | -56.22       | -13.00      | 150          | 200            | -43.22      |         |
|     | 358.7174        | -44.17        | peak     | -12.28            | -56.45       | -13.00      | 150          | 170            | -43.45      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

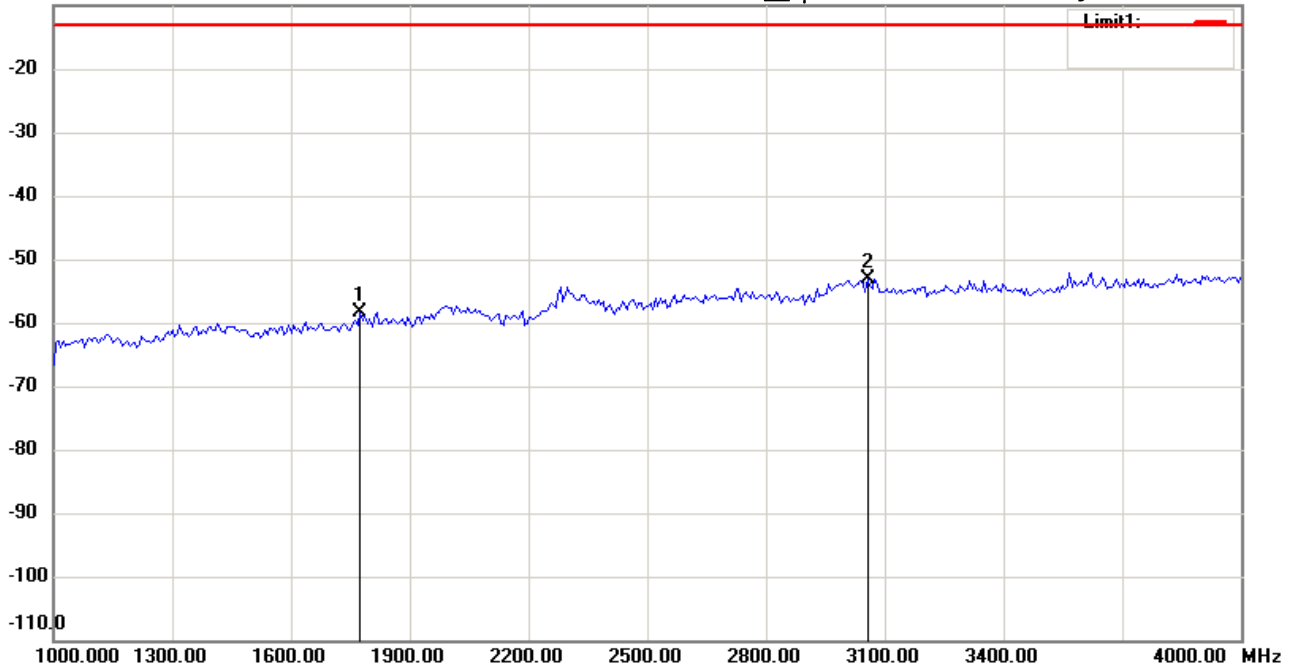
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:52:51

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1775.551        | -59.80        | peak     | 1.48              | -58.32       | -13.00      | 150          | 320            | -45.32      |         |
| *   | 3056.112        | -60.79        | peak     | 7.79              | -53.00       | -13.00      | 150          | 110            | -40.00      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

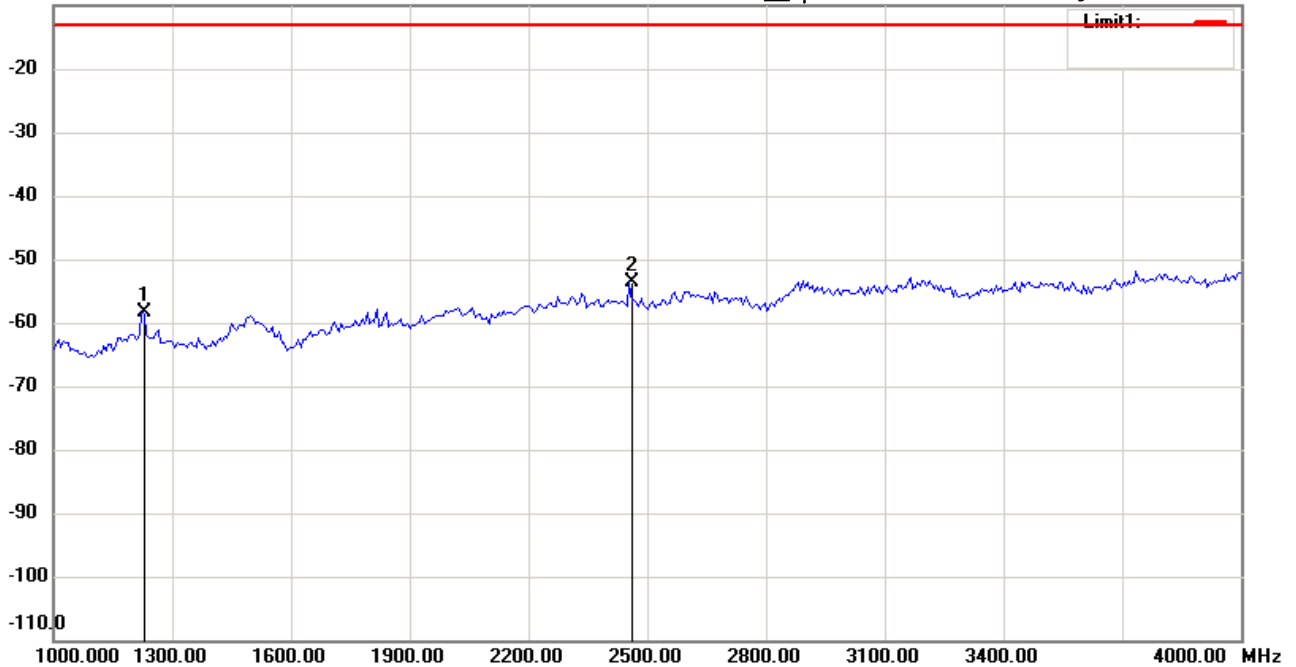
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:58:17

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1222.445        | -58.57        | peak     | 0.12              | -58.45       | -13.00      | 150          | 40             | -45.45      |         |
| *   | 2454.910        | -57.89        | peak     | 4.29              | -53.60       | -13.00      | 150          | 200            | -40.60      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

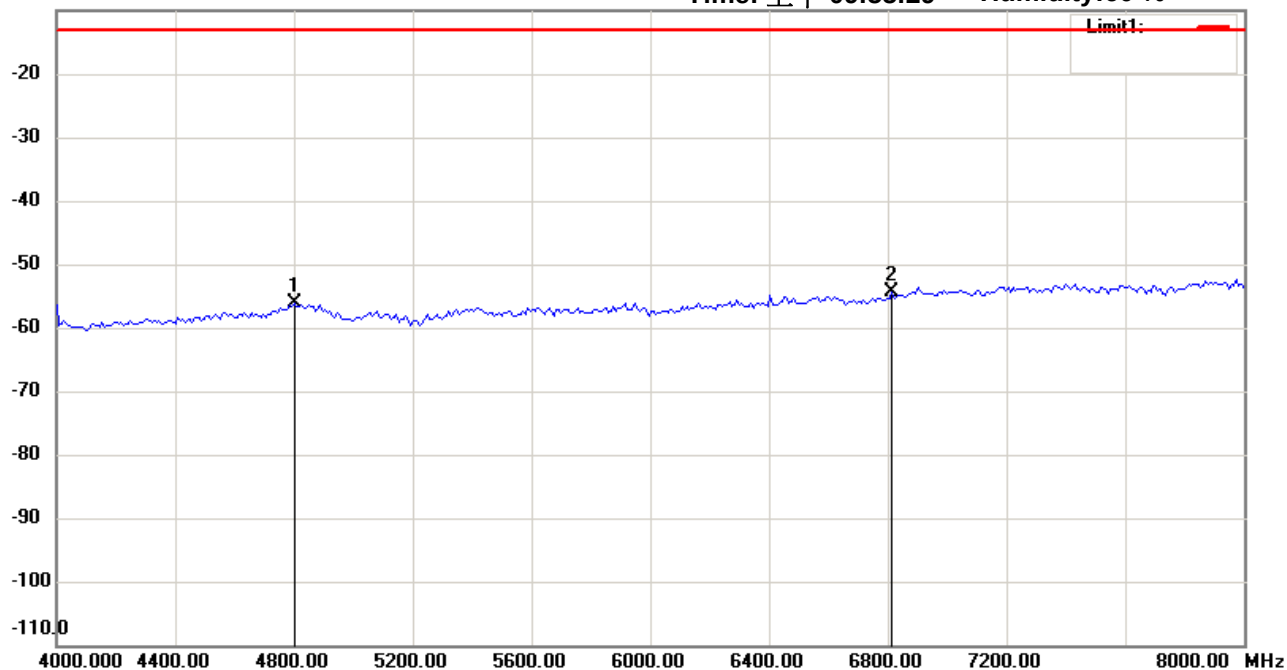
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:55:29

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4801.603        | -65.92        | peak     | 9.88              | -56.04       | -13.00      | 150          | 100            | -43.04      |         |
| *   | 6813.627        | -65.57        | peak     | 11.25             | -54.32       | -13.00      | 150          | 250            | -41.32      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

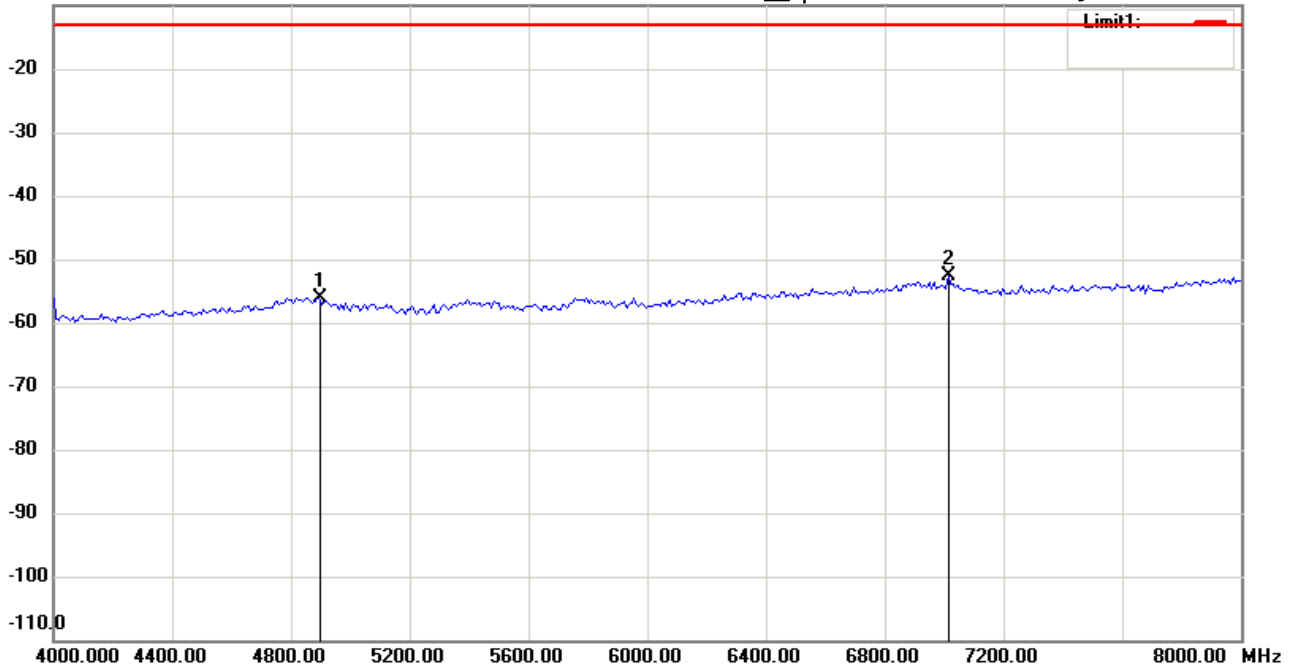
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:59:39

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4889.780        | -65.76        | peak     | 9.76              | -56.00       | -13.00      | 150          | 250            | -43.00      |         |
| *   | 7014.028        | -63.99        | peak     | 11.36             | -52.63       | -13.00      | 150          | 100            | -39.63      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

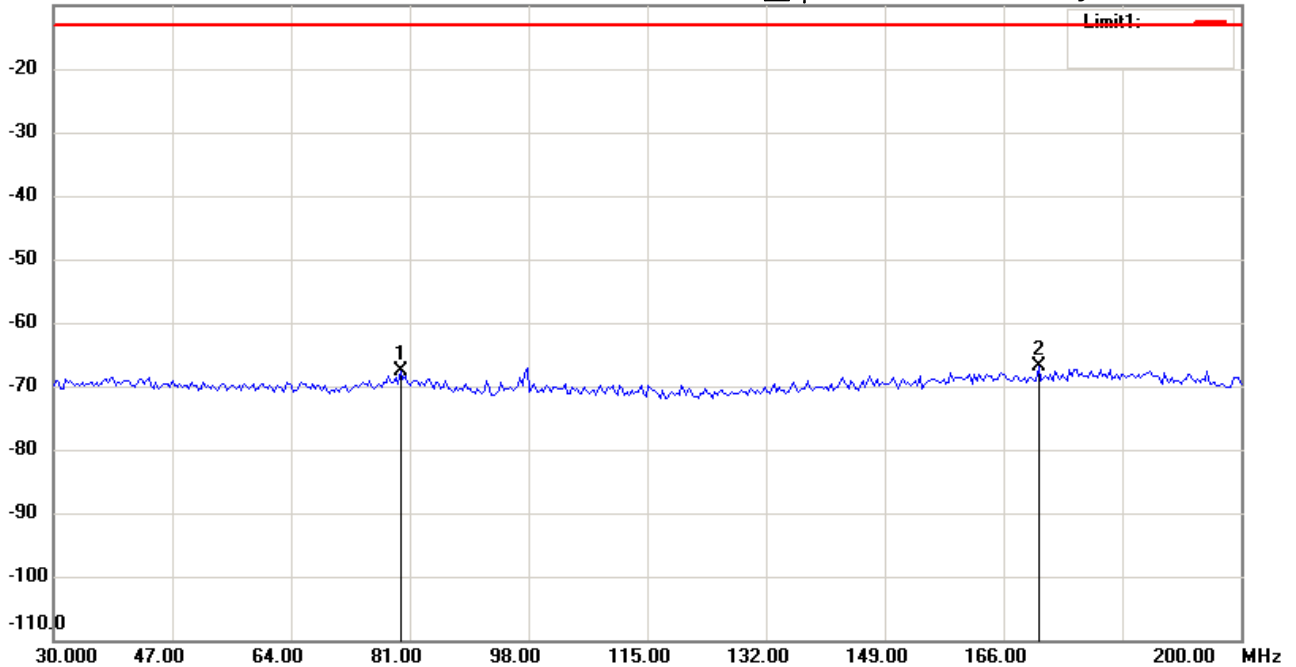
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:23:50

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 79.7395         | -89.80        | peak     | 22.06             | -67.74       | -13.00      | 150          | 100            | -54.74      |         |
| *   | 171.0421        | -89.55        | peak     | 22.68             | -66.87       | -13.00      | 150          | 240            | -53.87      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

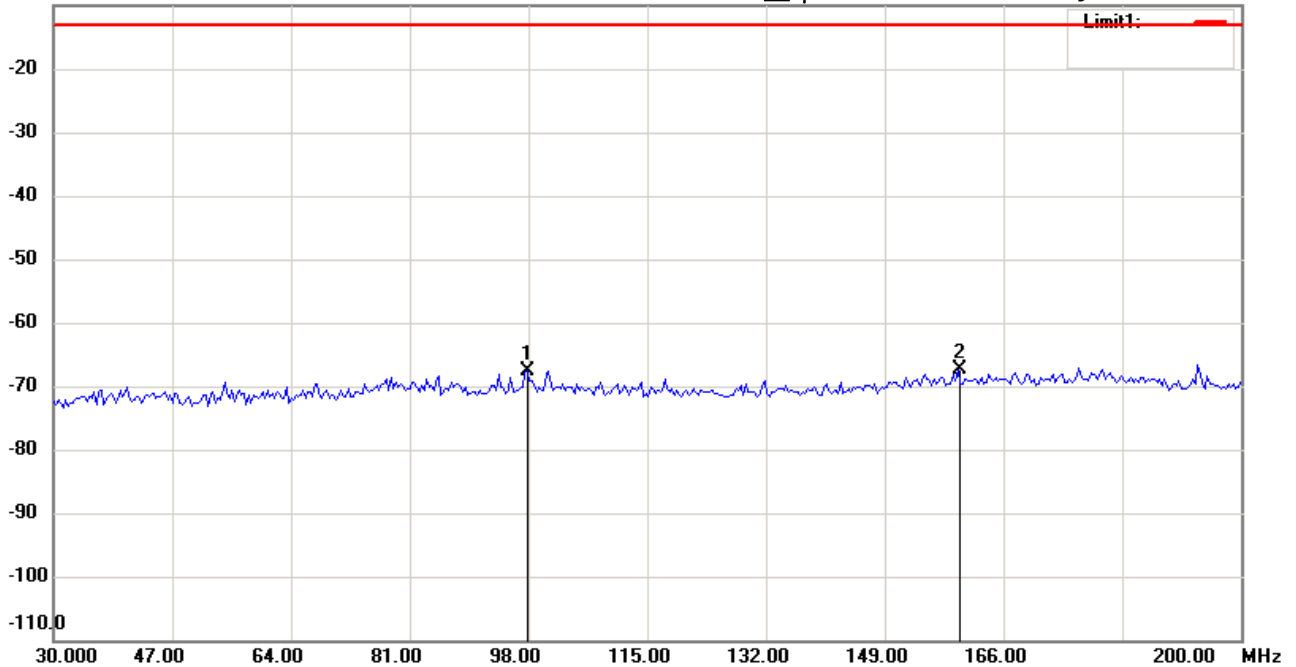
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:24:28

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.7956         | -89.75        | peak     | 22.16             | -67.59       | -13.00      | 150          | 250            | -54.59      |         |
| *   | 159.4590        | -90.40        | peak     | 23.06             | -67.34       | -13.00      | 150          | 100            | -54.34      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

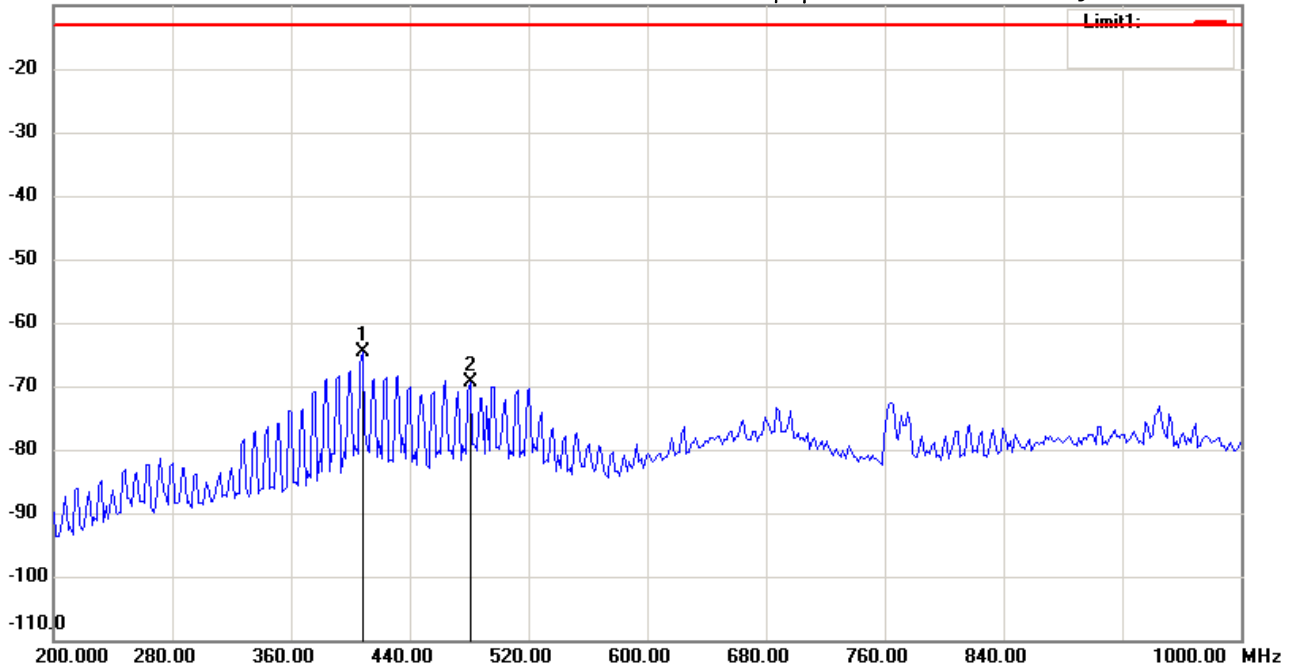
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:16:20

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 408.4168        | -55.42        | peak     | -9.24             | -64.66       | -13.00      | 150          | 300            | -51.66      |         |
|     | 480.5611        | -60.01        | peak     | -9.30             | -69.31       | -13.00      | 150          | 120            | -56.31      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

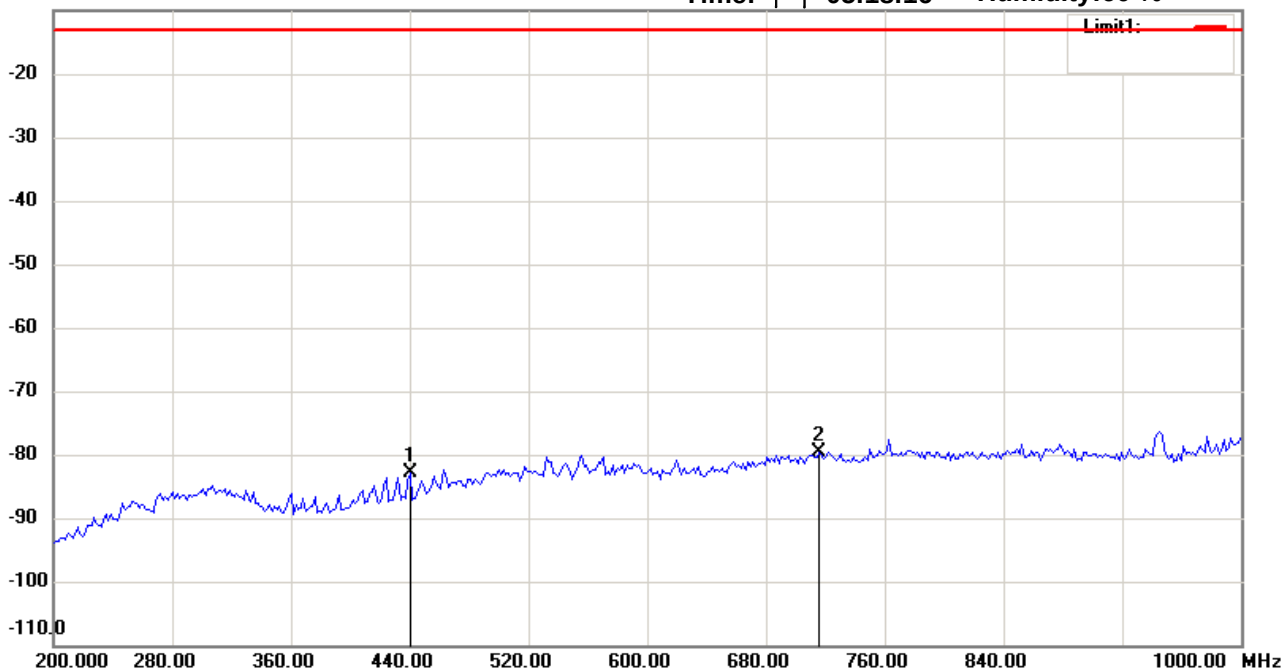
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:18:16

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 440.4810        | -72.12        | peak     | -10.69            | -82.81       | -13.00      | 150          | 100            | -69.81      |         |
| *   | 716.2325        | -76.13        | peak     | -3.54             | -79.67       | -13.00      | 150          | 250            | -66.67      |         |

\*:Maximum data x:Over limit !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

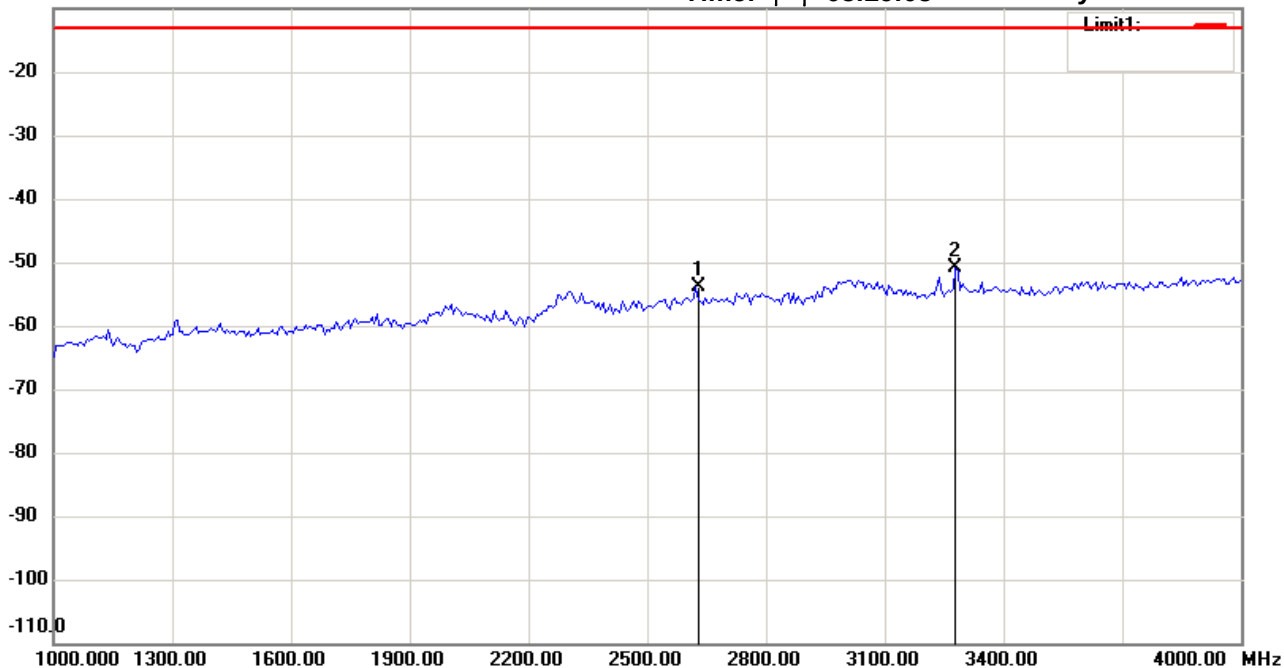
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:29:05

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2623.247        | -59.81        | peak     | 5.91              | -53.90       | -13.00      | 150          | 140            | -40.90      |         |
| *   | 3278.557        | -58.15        | peak     | 7.29              | -50.86       | -13.00      | 150          | 300            | -37.86      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

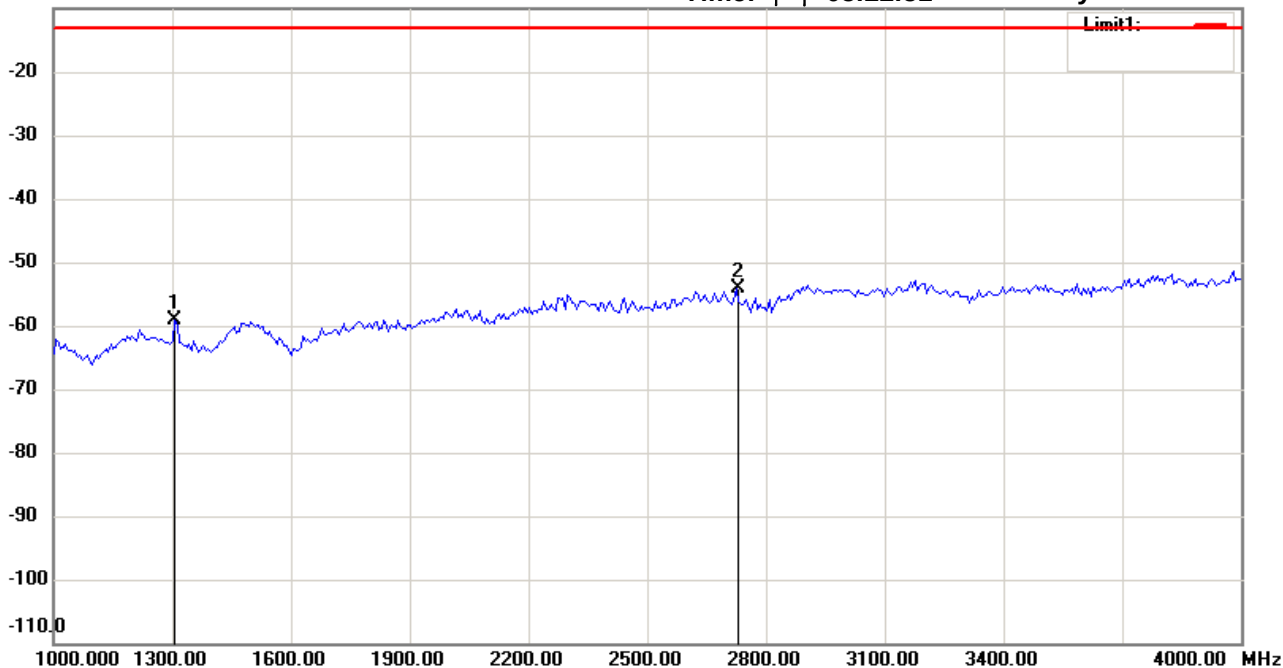
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:22:51

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1306.613        | -57.91        | peak     | -1.24             | -59.15       | -13.00      | 150          | 100            | -46.15      |         |
| *   | 2725.451        | -59.97        | peak     | 5.94              | -54.03       | -13.00      | 150          | 250            | -41.03      |         |

\*:Maximum data x:Over limit !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

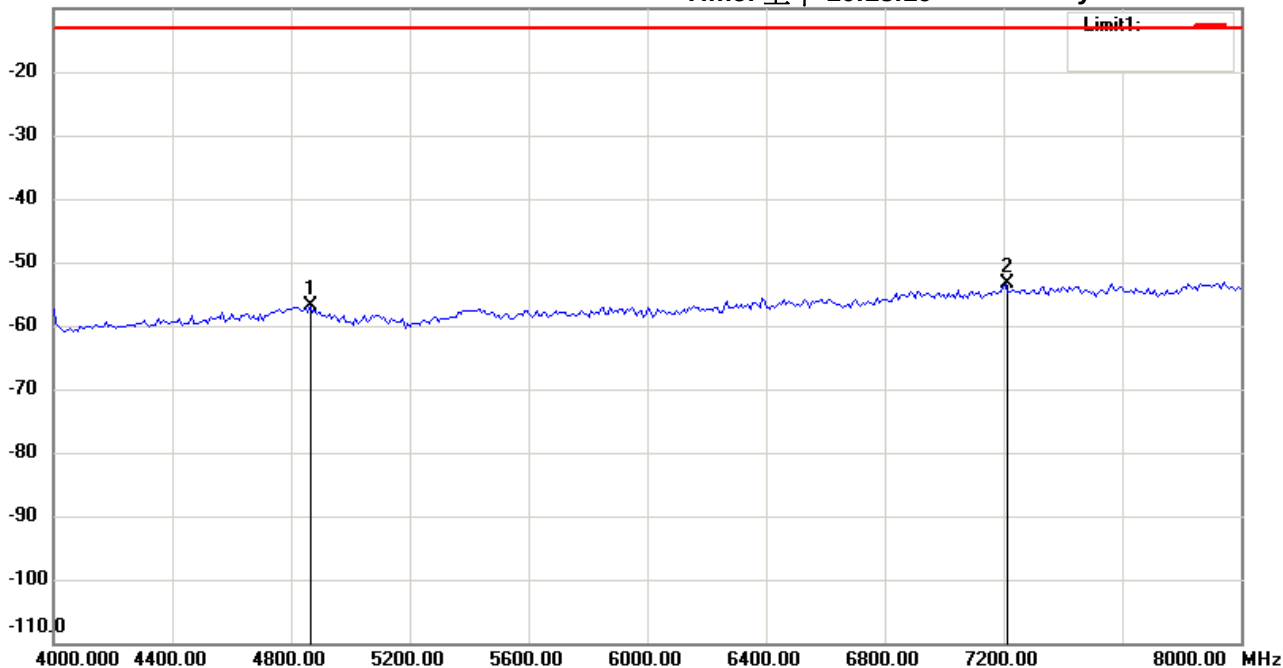
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:13:19

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4865.731        | -66.27        | peak     | 9.30              | -56.97       | -13.00      | 150          | 100            | -43.97      |         |
| *   | 7206.413        | -64.40        | peak     | 11.11             | -53.29       | -13.00      | 150          | 230            | -40.29      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

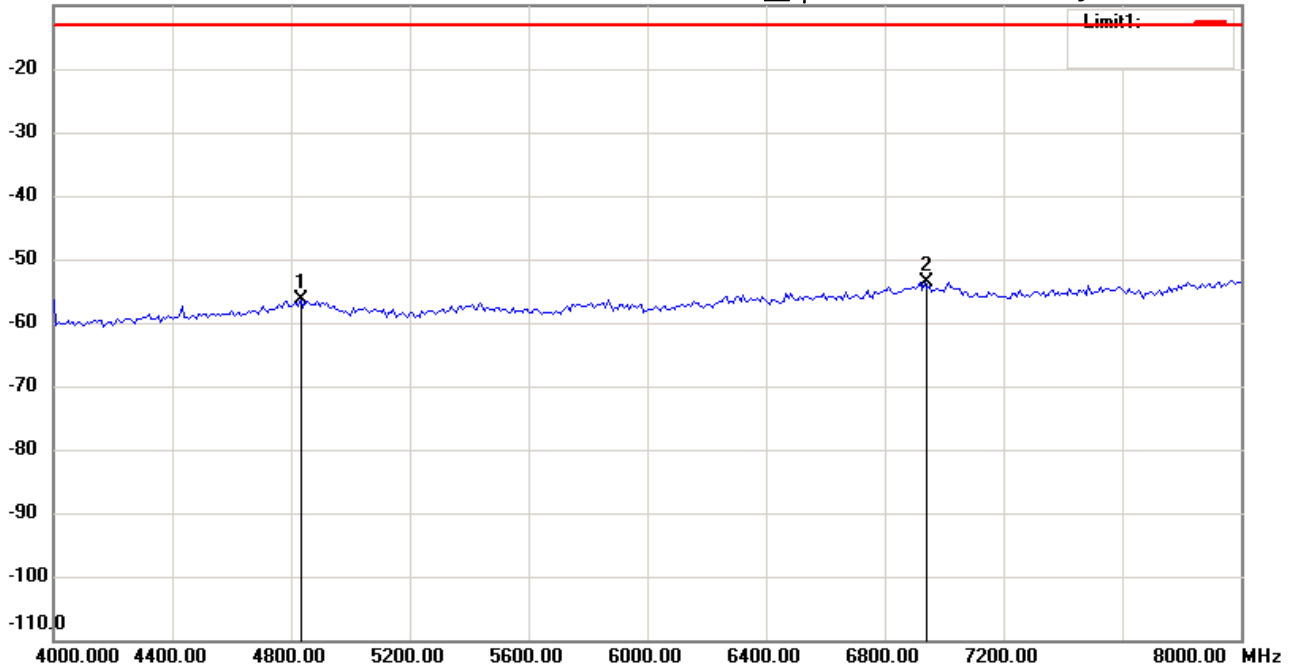
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:12:57

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4833.667        | -66.06        | peak     | 9.80              | -56.26       | -13.00      | 150          | 100            | -43.26      |         |
| *   | 6933.868        | -65.61        | peak     | 11.95             | -53.66       | -13.00      | 150          | 250            | -40.66      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

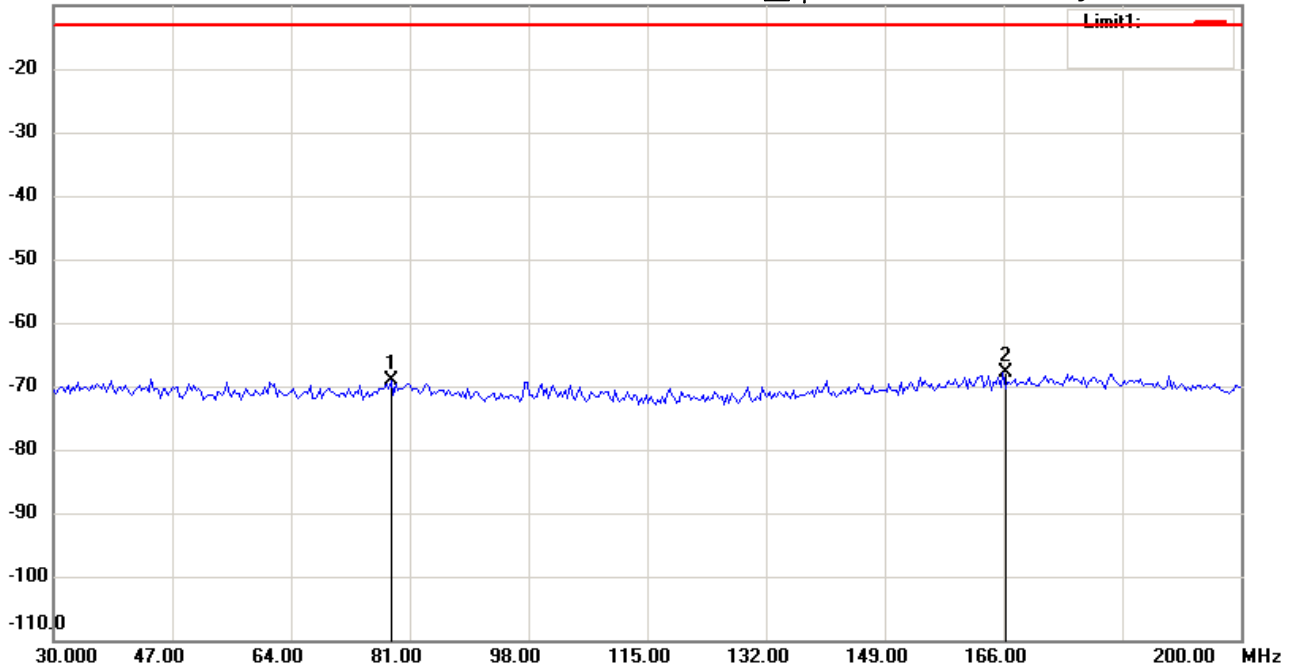
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:27:58

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 78.3768         | -90.94        | peak     | 21.89             | -69.05       | -13.00      | 150          | 100            | -56.05      |         |
| *   | 165.9320        | -90.53        | peak     | 22.57             | -67.96       | -13.00      | 150          | 250            | -54.96      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

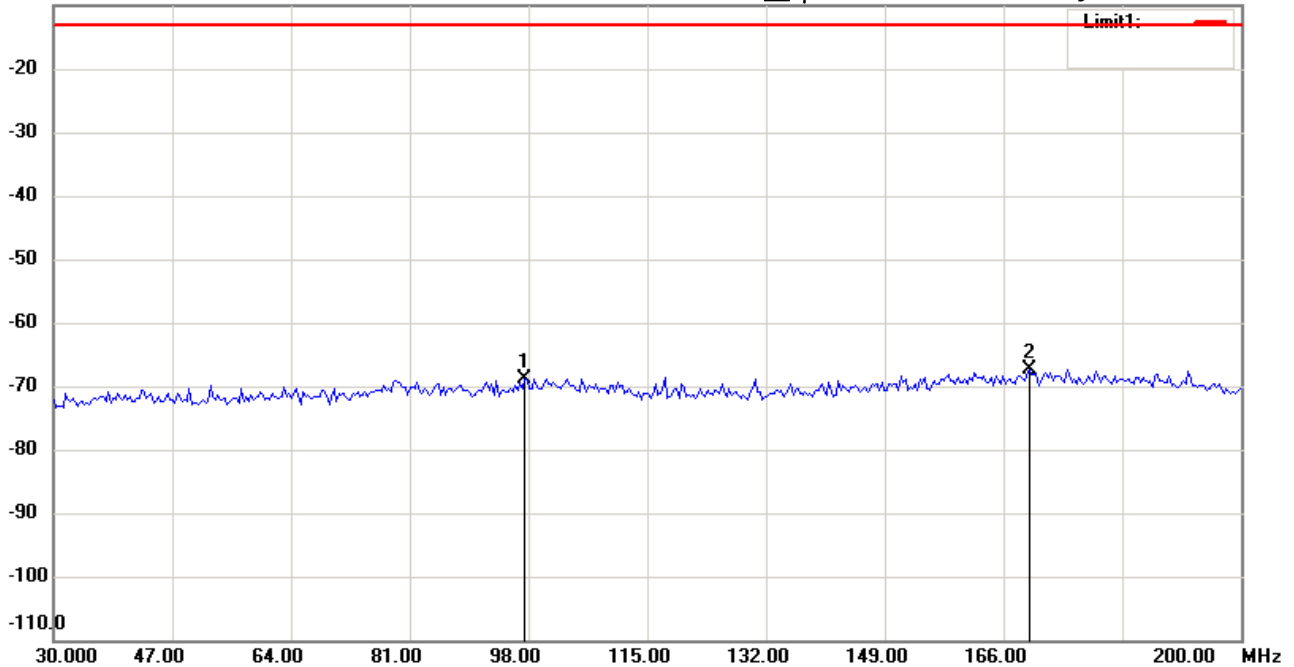
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:28:11

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.4548         | -90.98        | peak     | 22.12             | -68.86       | -13.00      | 150          | 200            | -55.86      |         |
| *   | 169.6793        | -90.53        | peak     | 23.18             | -67.35       | -13.00      | 150          | 110            | -54.35      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

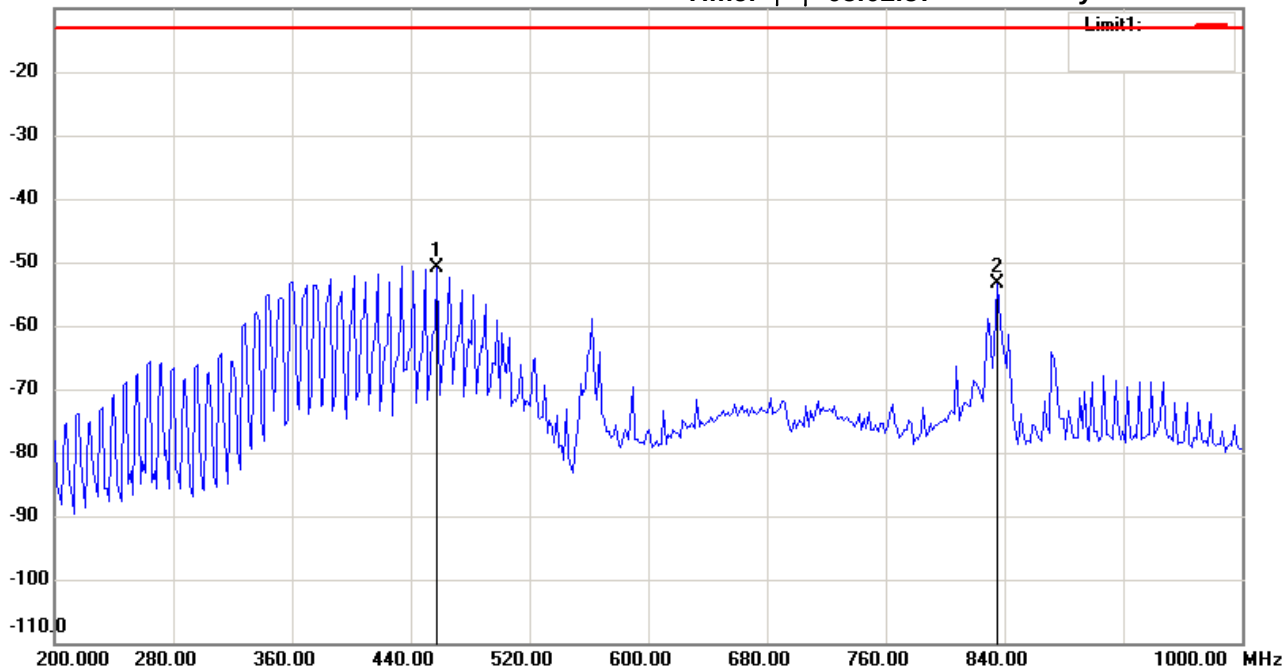
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:02:57

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 458.1162        | -41.87        | peak     | -9.00             | -50.87       | -13.00      | 150          | 320            | -37.87      |         |
|     | 834.8696        | -49.97        | peak     | -3.38             | -53.35       | -13.00      | 150          | 110            | -40.35      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

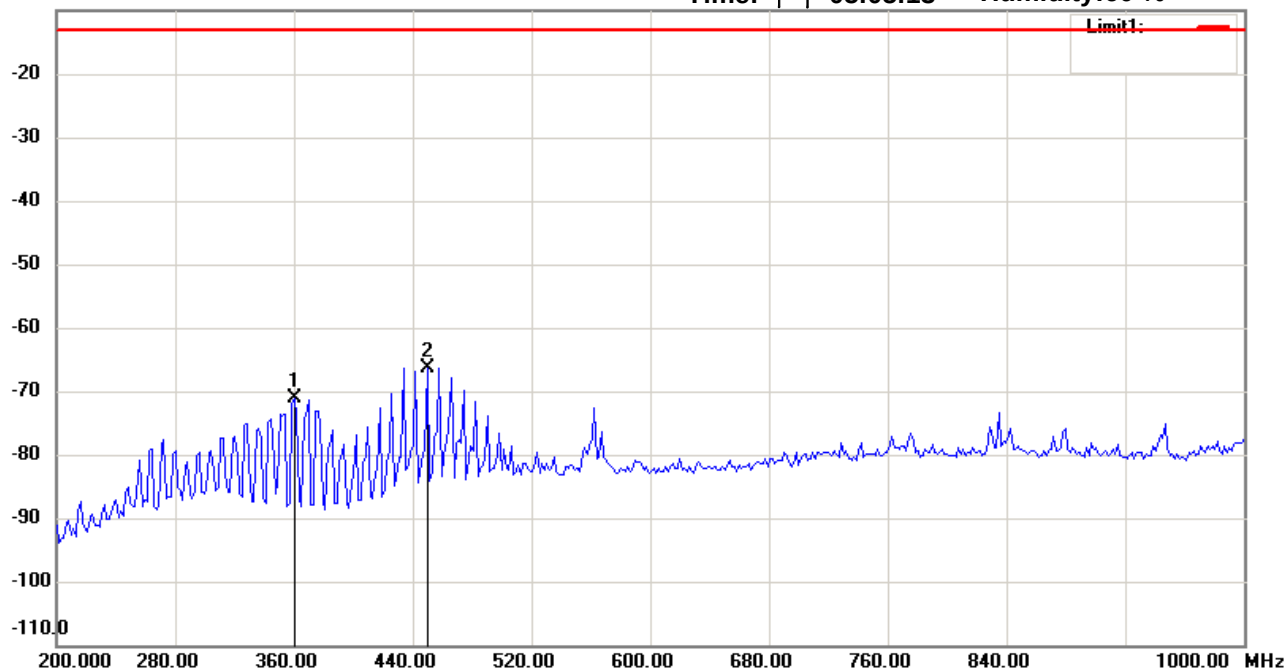
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:05:13

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 360.3206        | -58.90        | peak     | -12.31            | -71.21       | -13.00      | 150          | 120            | -58.21      |         |
| *   | 450.1002        | -56.43        | peak     | -9.84             | -66.27       | -13.00      | 150          | 300            | -53.27      |         |

\*:Maximum data x:Over limit !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

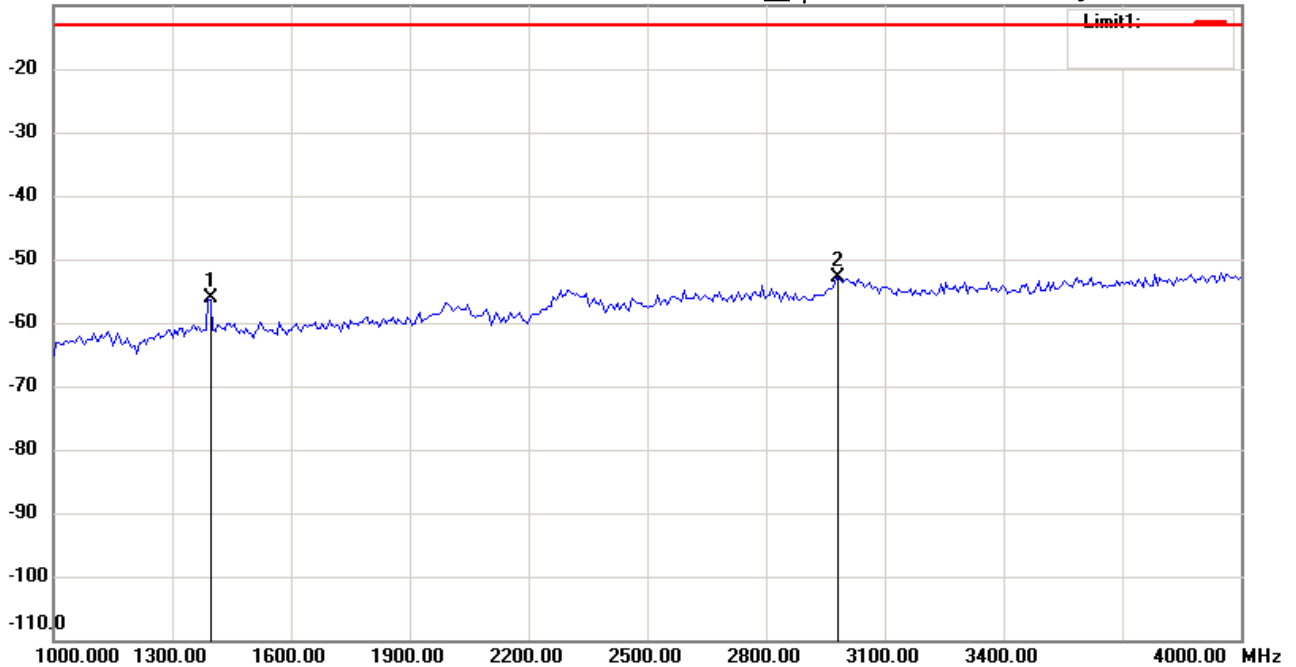
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:39:18

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1390.782        | -57.09        | peak     | 1.02              | -56.07       | -13.00      | 150          | 300            | -43.07      |         |
| *   | 2977.956        | -60.82        | peak     | 7.87              | -52.95       | -13.00      | 150          | 120            | -39.95      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

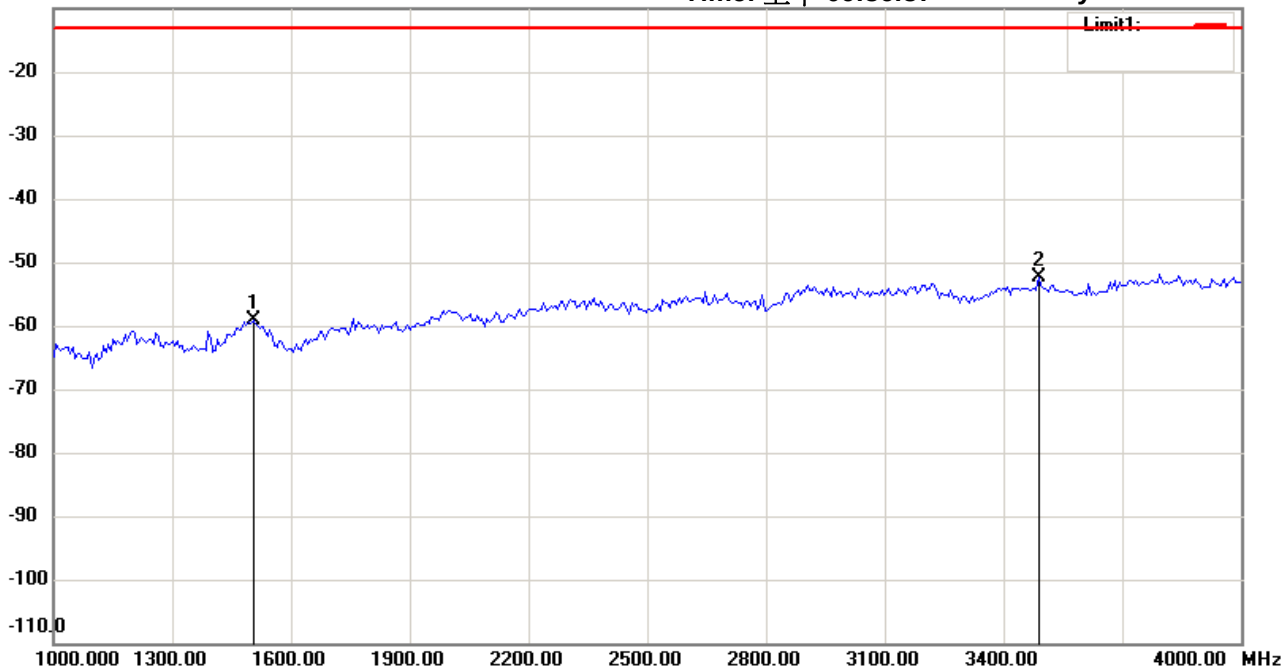
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:36:37

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1505.010        | -61.18        | peak     | 1.98              | -59.20       | -13.00      | 150          | 300            | -46.20      |         |
| *   | 3488.978        | -60.58        | peak     | 8.33              | -52.25       | -13.00      | 150          | 210            | -39.25      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

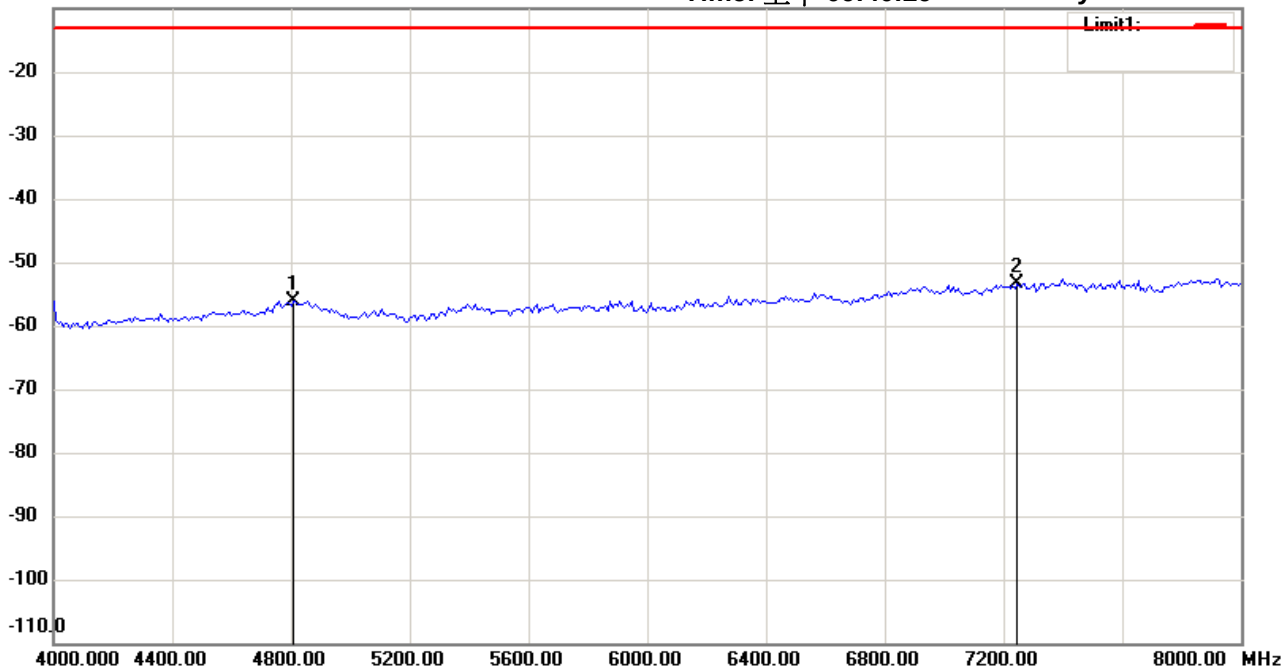
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:40:29

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4809.619        | -65.80        | peak     | 9.80              | -56.00       | -13.00      | 150          | 110            | -43.00      |         |
| *   | 7246.493        | -64.33        | peak     | 10.92             | -53.41       | -13.00      | 150          | 250            | -40.41      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

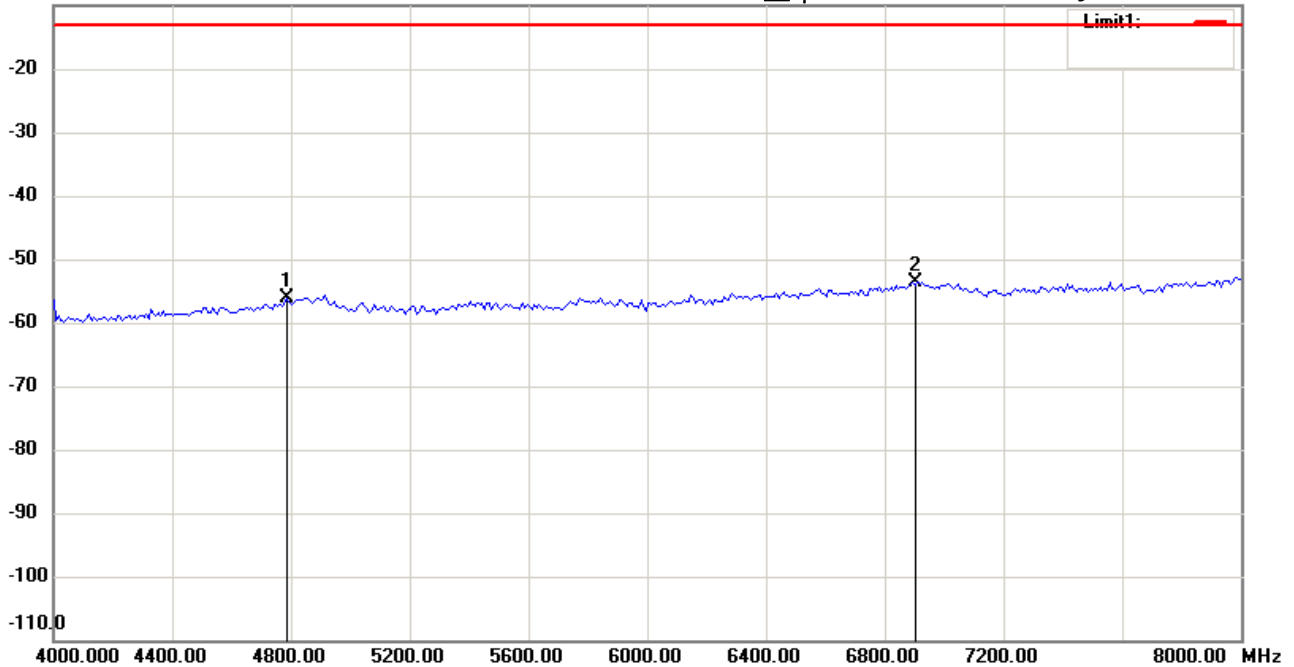
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:37:39

Humidity:60 %



Site : Chamber

Condition : FCC 74.861 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: **Vertical**

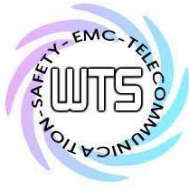
Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4785.571        | -65.71        | peak     | 9.58              | -56.13       | -13.00      | 150          | 250            | -43.13      |         |
| *   | 6893.788        | -65.72        | peak     | 12.16             | -53.56       | -13.00      | 150          | 100            | -40.56      |         |

\*:Maximum data    x:Over limit    !:over margin





# ***Worldwide Testing Services(Taiwan) Co., Ltd.***

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Registration number: W6M21405-14188-C-1

FCC ID: M5X-ACT32HC

IC: 2978A-ACT32HC

Radiation Spurious Emission-According to IC RSS-210



Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

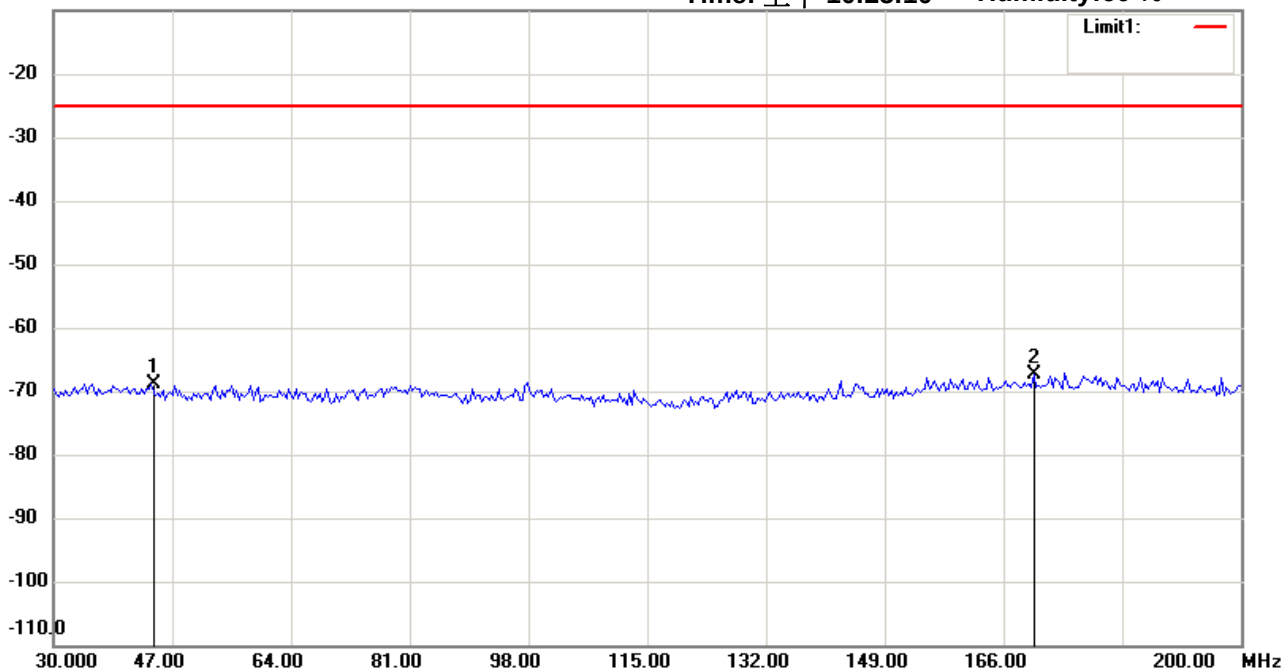
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:25:10

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 43.9680         | -91.33        | peak     | 22.42             | -68.91       | -25.00      | 150          | 220            | -43.91      |         |
| *   | 170.3607        | -90.15        | peak     | 22.67             | -67.48       | -25.00      | 150          | 170            | -42.48      |         |



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

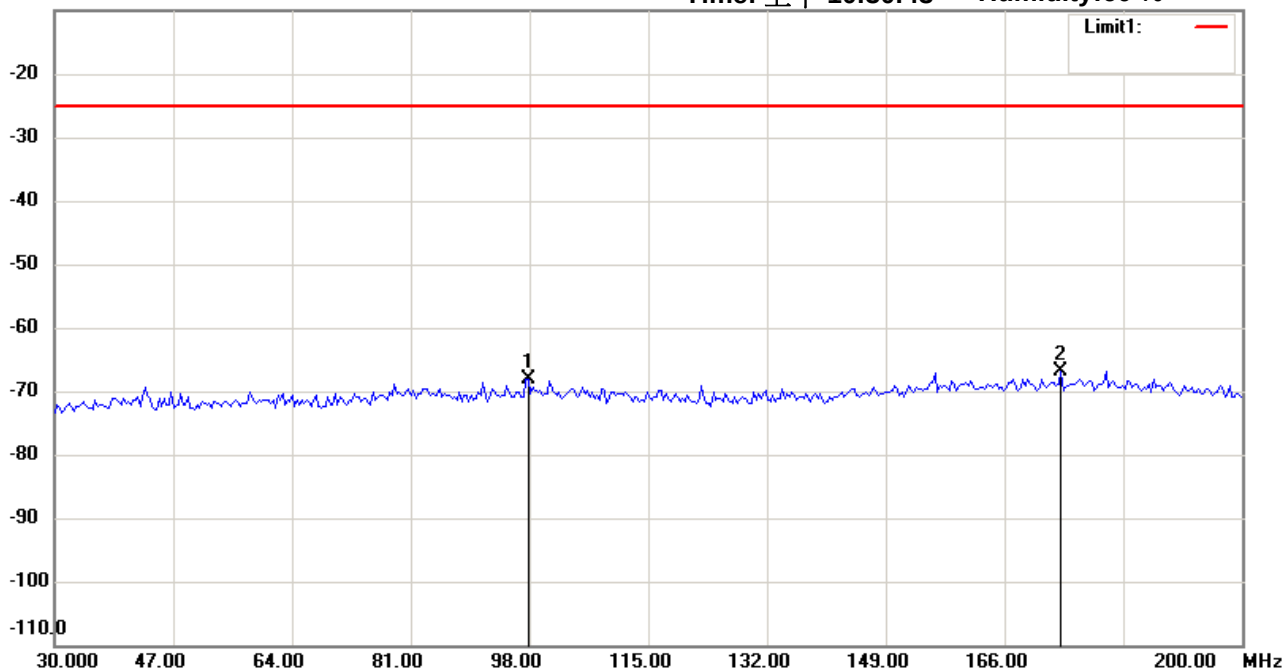
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:30:43

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.7955         | -90.28        | peak     | 22.16             | -68.12       | -25.00      | 150          | 320            | -43.12      |         |
| *   | 174.1082        | -89.96        | peak     | 23.21             | -66.75       | -25.00      | 150          | 110            | -41.75      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

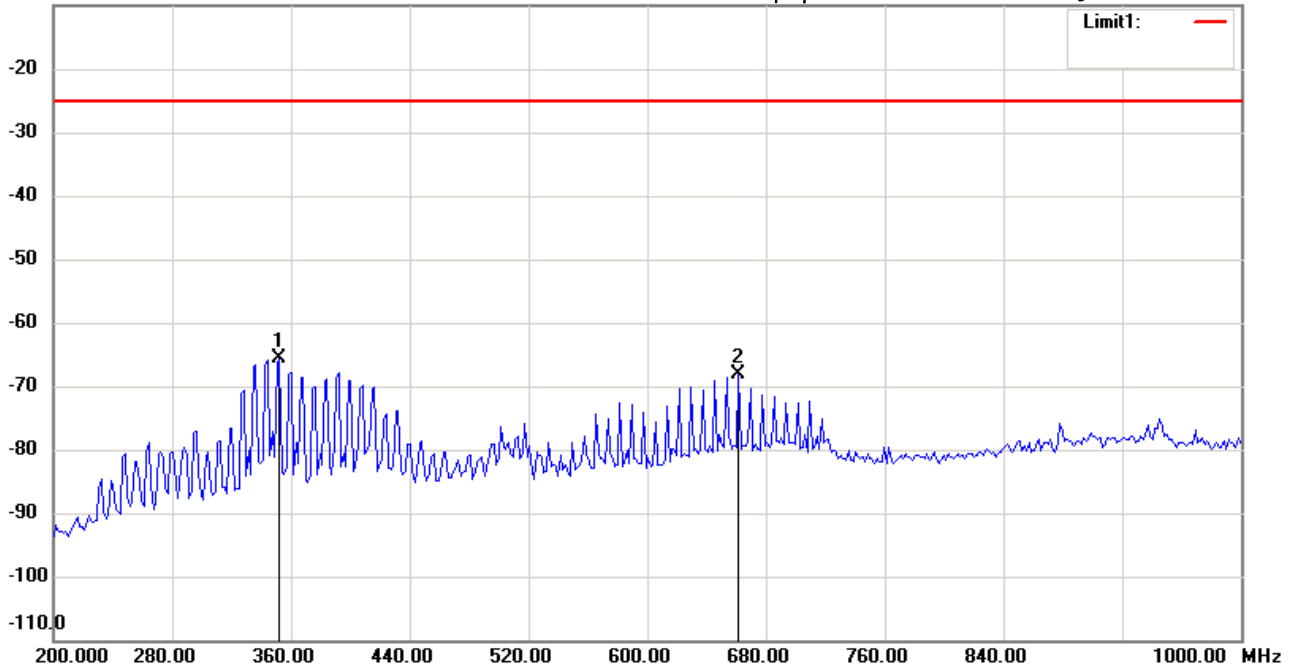
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:12:35

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 352.3046        | -55.14        | peak     | -10.55            | -65.69       | -25.00      | 150          | 180            | -40.69      |         |
|     | 661.7234        | -65.58        | peak     | -2.59             | -68.17       | -25.00      | 150          | 120            | -43.17      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

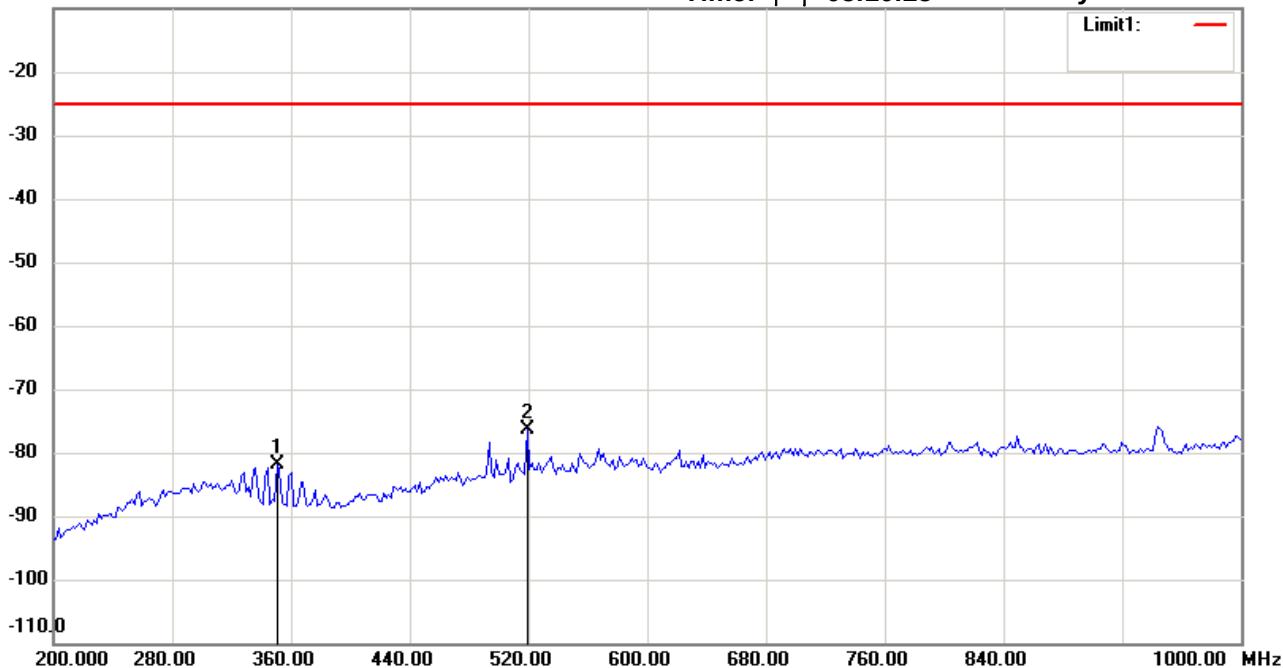
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:10:25

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 350.7014        | -69.79        | peak     | -12.14            | -81.93       | -25.00      | 150          | 200            | -56.93      |         |
| *   | 519.0381        | -69.84        | peak     | -6.55             | -76.39       | -25.00      | 150          | 140            | -51.39      |         |

\*:Maximum data x:Over limit !:over margin



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### Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

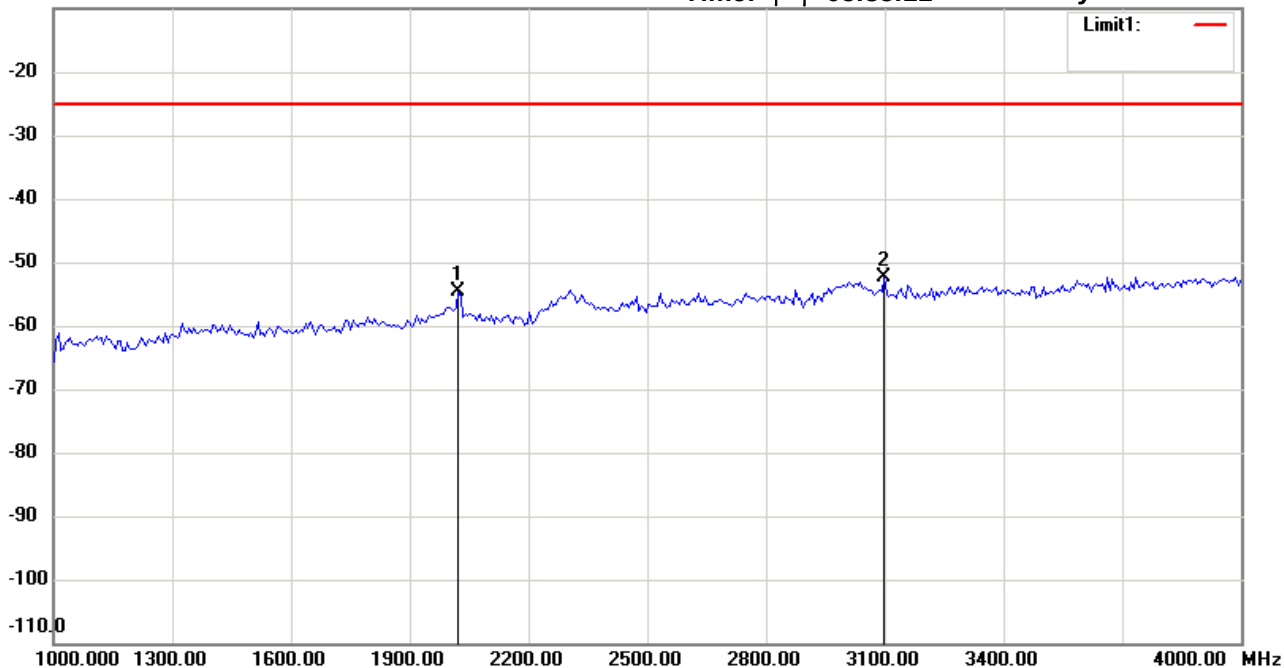
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:35:11

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2022.044        | -58.37        | peak     | 3.76              | -54.61       | -25.00      | 150          | 10             | -29.61      |         |
| *   | 3098.196        | -59.62        | peak     | 7.18              | -52.44       | -25.00      | 150          | 210            | -27.44      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

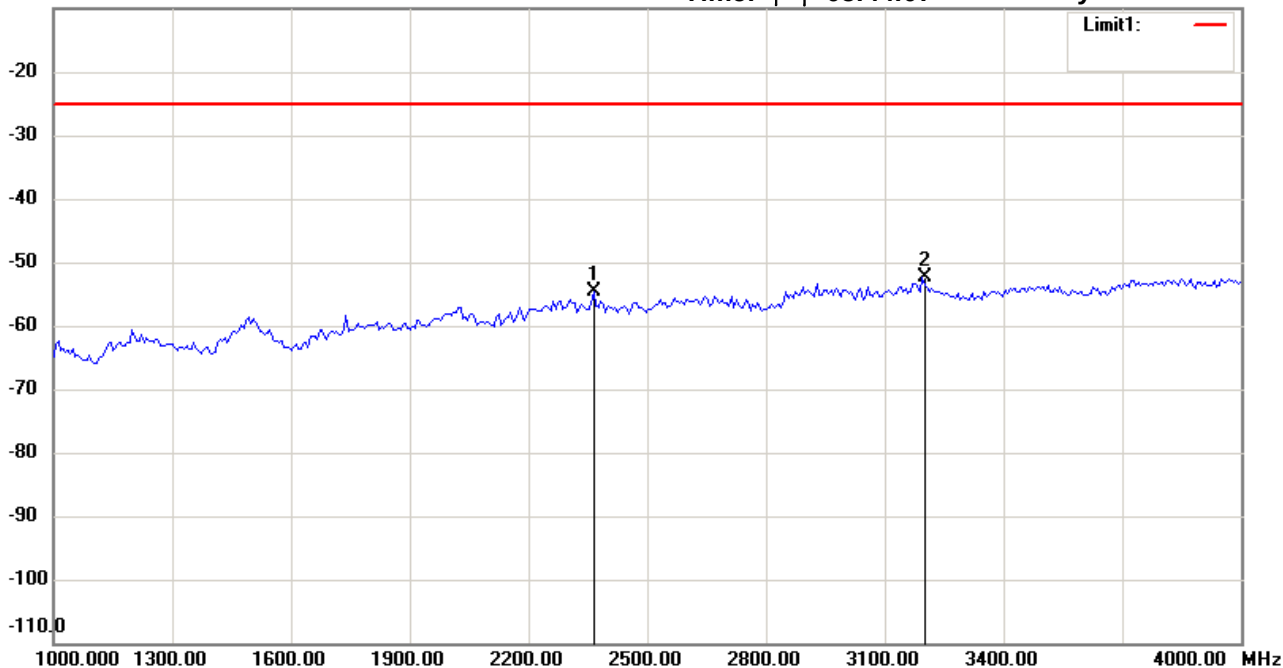
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:44:07

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2364.729        | -59.28        | peak     | 4.60              | -54.68       | -25.00      | 150          | 300            | -29.68      |         |
| *   | 3194.389        | -60.42        | peak     | 8.17              | -52.25       | -25.00      | 150          | 120            | -27.25      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

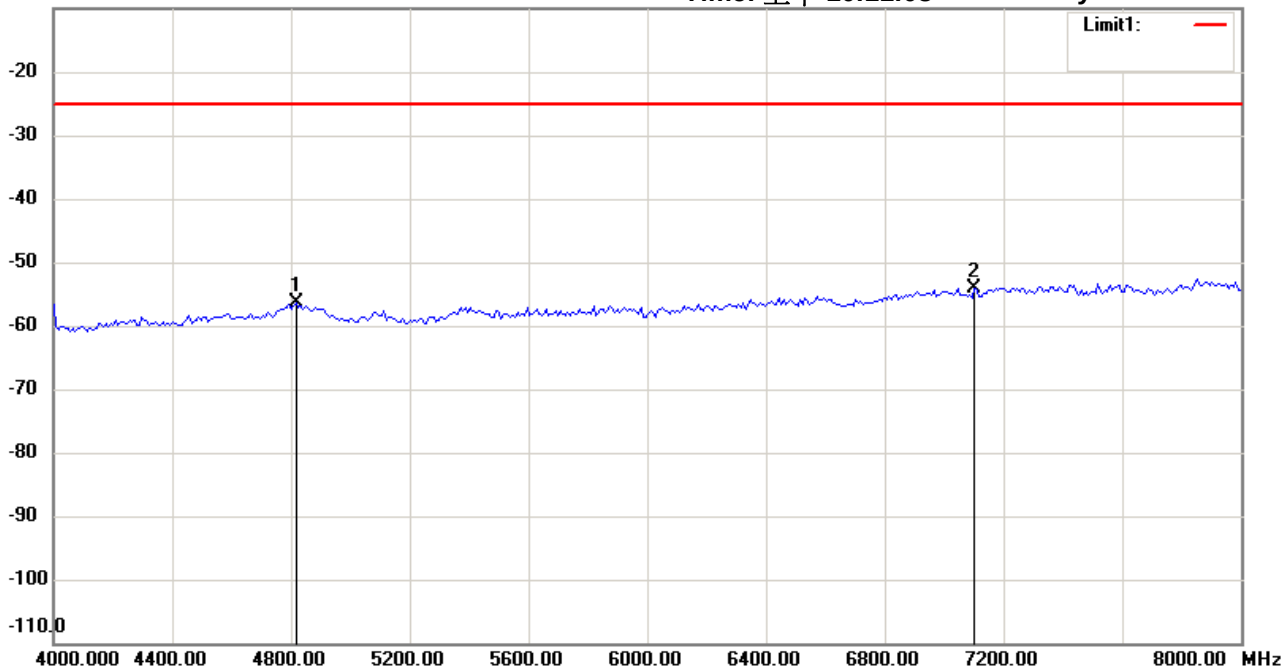
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:11:08

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4817.635        | -66.08        | peak     | 9.73              | -56.35       | -25.00      | 150          | 100            | -31.35      |         |
| *   | 7102.204        | -64.95        | peak     | 10.83             | -54.12       | -25.00      | 150          | 230            | -29.12      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

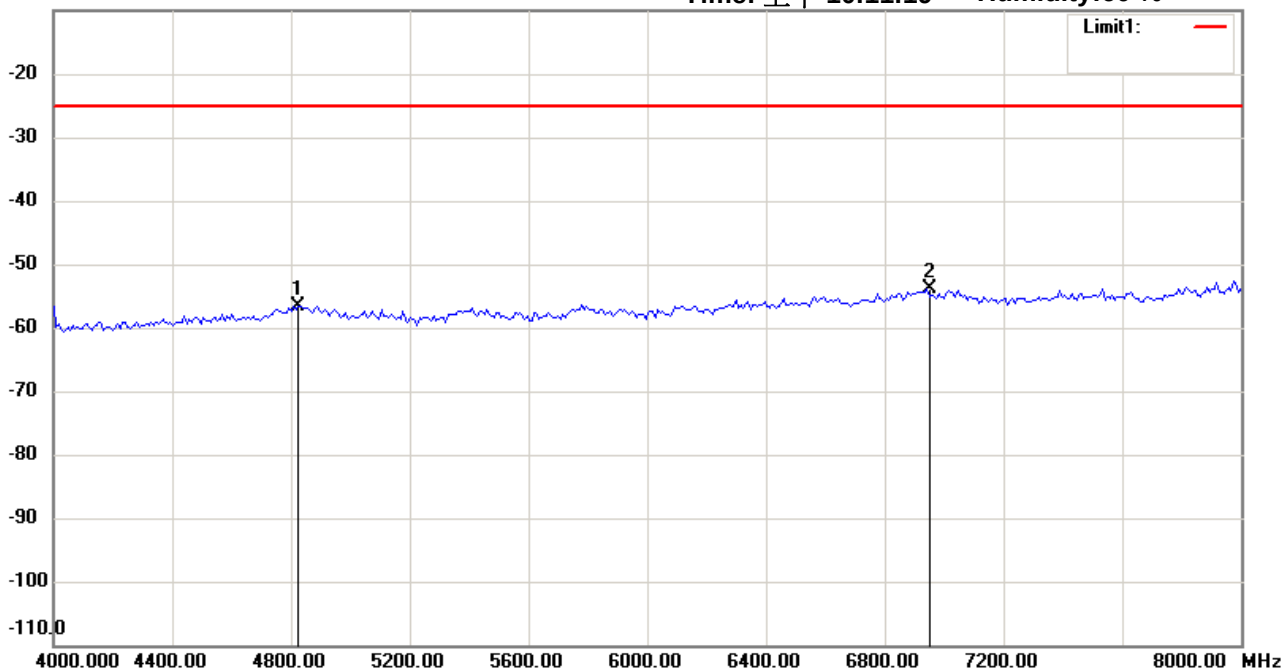
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:11:19

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 506.5MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4825.651        | -66.33        | peak     | 9.81              | -56.52       | -25.00      | 150          | 100            | -31.52      |         |
| *   | 6941.884        | -65.69        | peak     | 11.89             | -53.80       | -25.00      | 150          | 140            | -28.80      |         |

\*:Maximum data x:Over limit !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

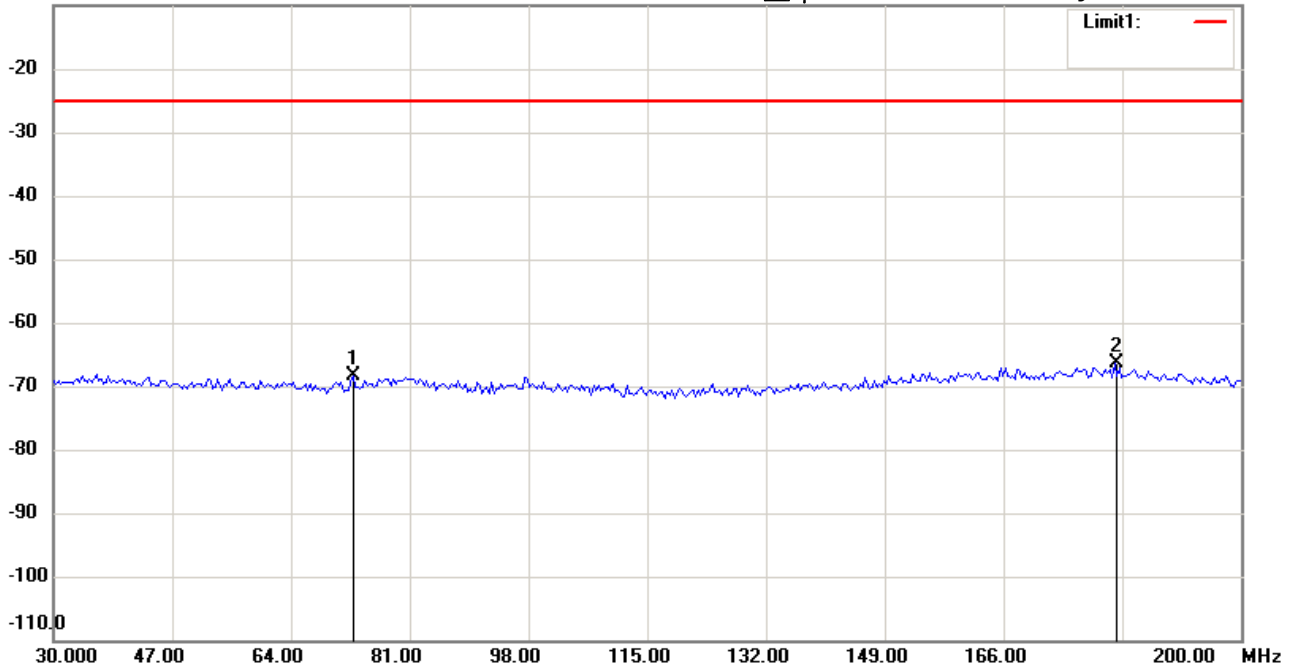
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:26:43

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 72.9258         | -89.52        | peak     | 21.21             | -68.31       | -25.00      | 150          | 100            | -43.31      |         |
| *   | 181.9440        | -89.06        | peak     | 22.69             | -66.37       | -25.00      | 150          | 270            | -41.37      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

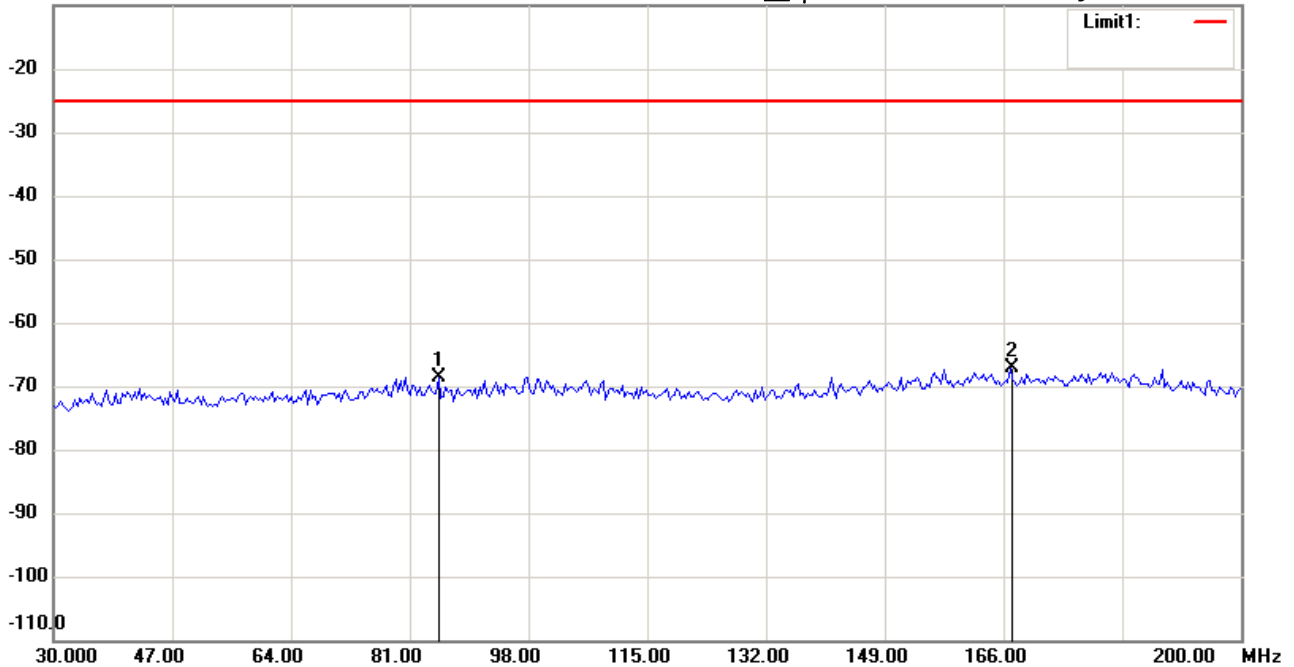
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:30:27

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 85.1902         | -90.17        | peak     | 21.67             | -68.50       | -25.00      | 150          | 130            | -43.50      |         |
| *   | 166.9540        | -90.33        | peak     | 23.16             | -67.17       | -25.00      | 150          | 220            | -42.17      |         |

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

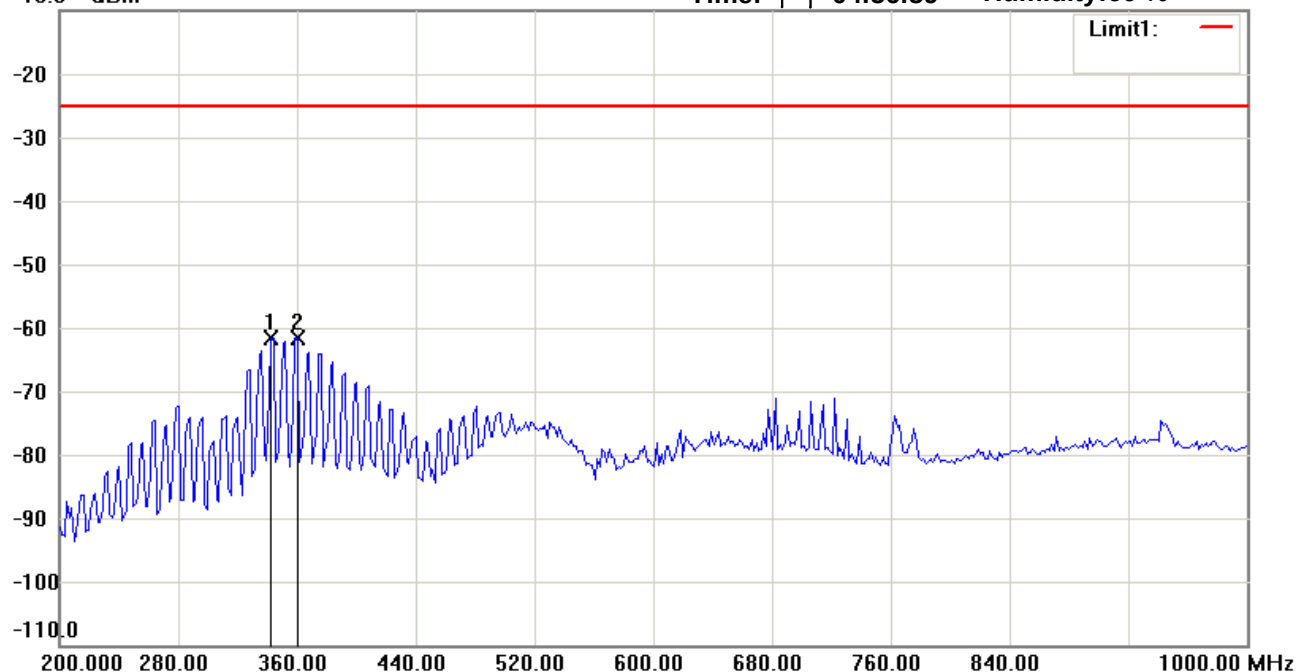
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:56:59

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 342.6854        | -51.10        | peak     | -10.56            | -61.66       | -25.00      | 150          | 330            | -36.66      |         |
| *   | 360.3206        | -51.00        | peak     | -10.55            | -61.55       | -25.00      | 150          | 170            | -36.55      |         |



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

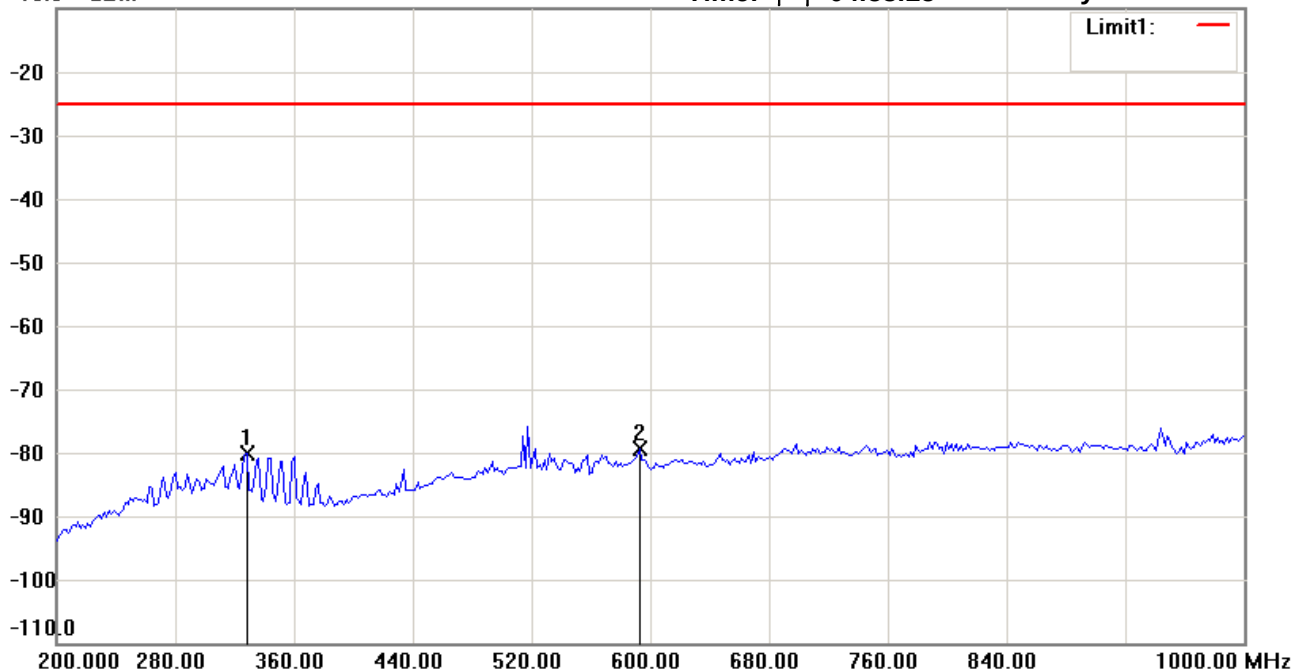
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:53:25

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 328.2565        | -69.16        | peak     | -10.90            | -80.06       | -25.00      | 150          | 260            | -55.06      |         |
| *   | 592.7856        | -73.47        | peak     | -5.92             | -79.39       | -25.00      | 150          | 170            | -54.39      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

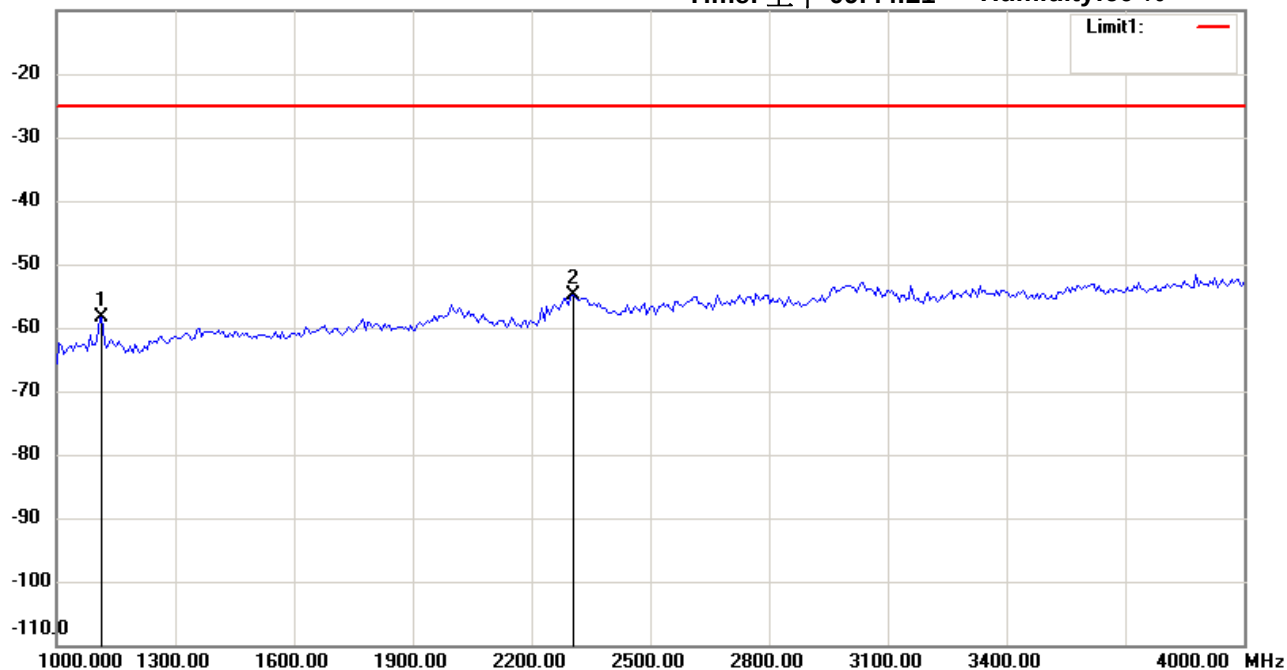
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:44:21

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1114.228        | -58.10        | peak     | -0.23             | -58.33       | -25.00      | 150          | 120            | -33.33      |         |
| *   | 2304.609        | -60.93        | peak     | 6.06              | -54.87       | -25.00      | 150          | 220            | -29.87      |         |

\*:Maximum data    x:Over limit    !:over margin



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### Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

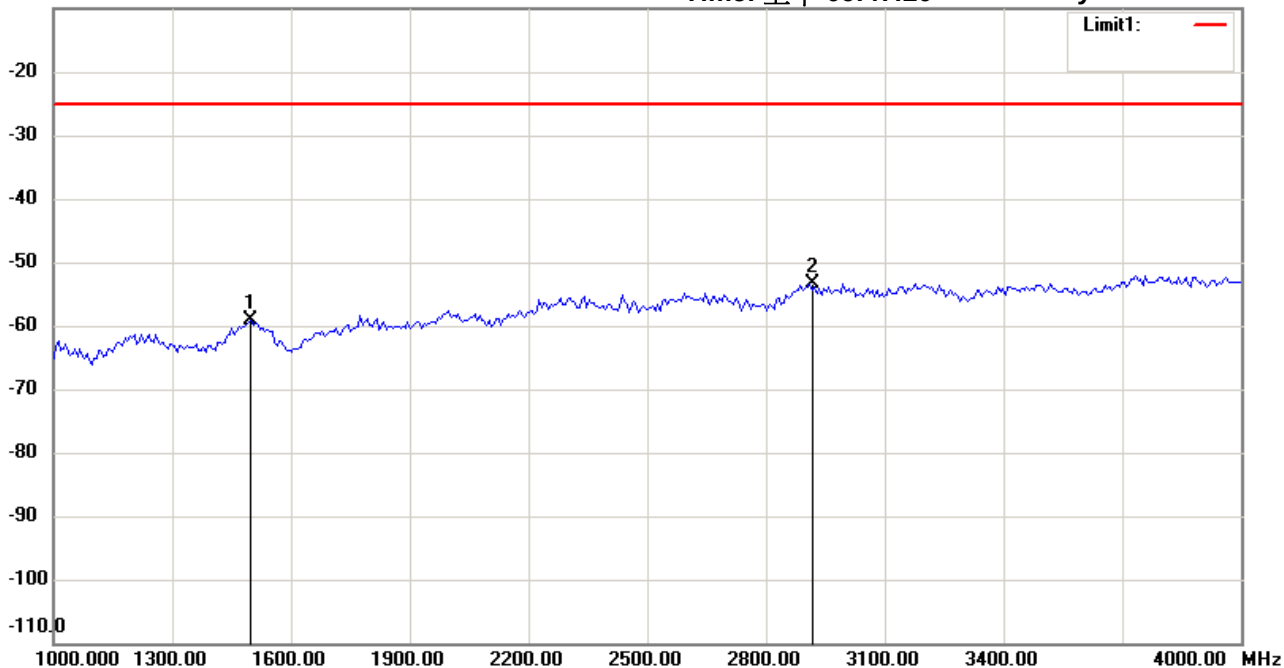
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:47:20

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1498.998        | -61.24        | peak     | 2.17              | -59.07       | -25.00      | 150          | 250            | -34.07      |         |
| *   | 2911.824        | -60.92        | peak     | 7.54              | -53.38       | -25.00      | 150          | 170            | -28.38      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

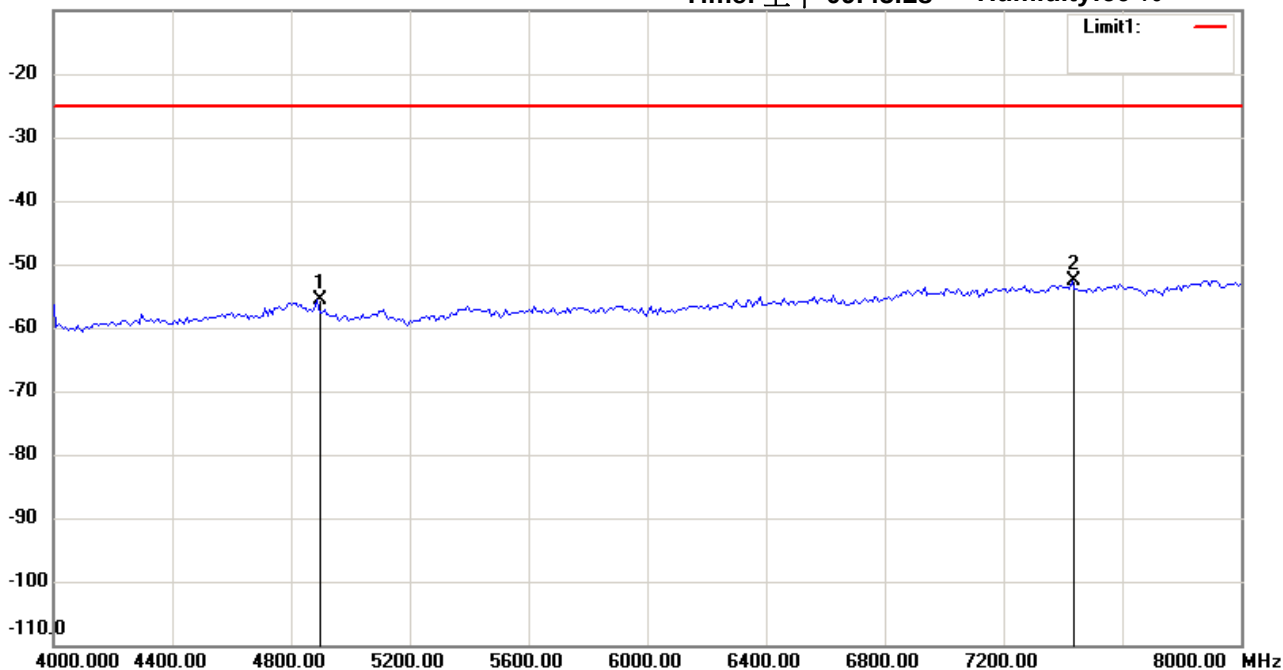
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:45:28

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: **Horizontal**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4889.780        | -64.76        | peak     | 9.09              | -55.67       | -25.00      | 150          | 170            | -30.67      |         |
| *   | 7430.862        | -63.28        | peak     | 10.63             | -52.65       | -25.00      | 150          | 330            | -27.65      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

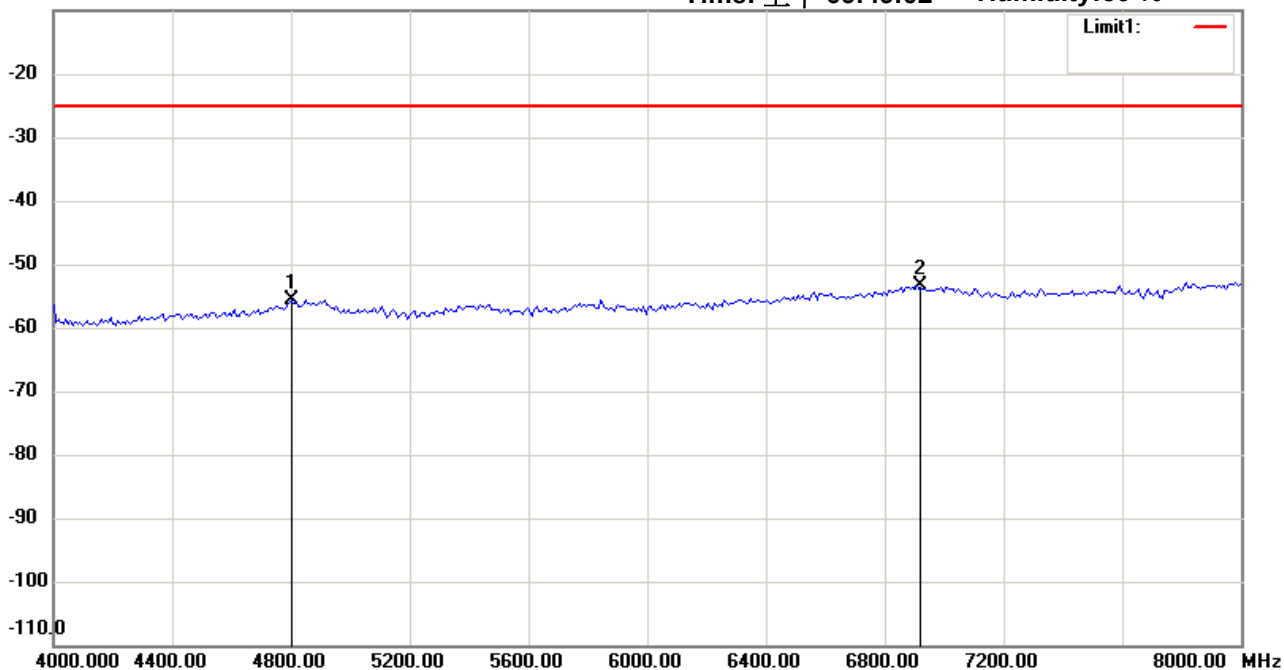
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:49:02

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 557MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4801.603        | -65.49        | peak     | 9.83              | -55.66       | -25.00      | 150          | 170            | -30.66      |         |
| *   | 6909.820        | -65.46        | peak     | 12.11             | -53.35       | -25.00      | 150          | 220            | -28.35      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

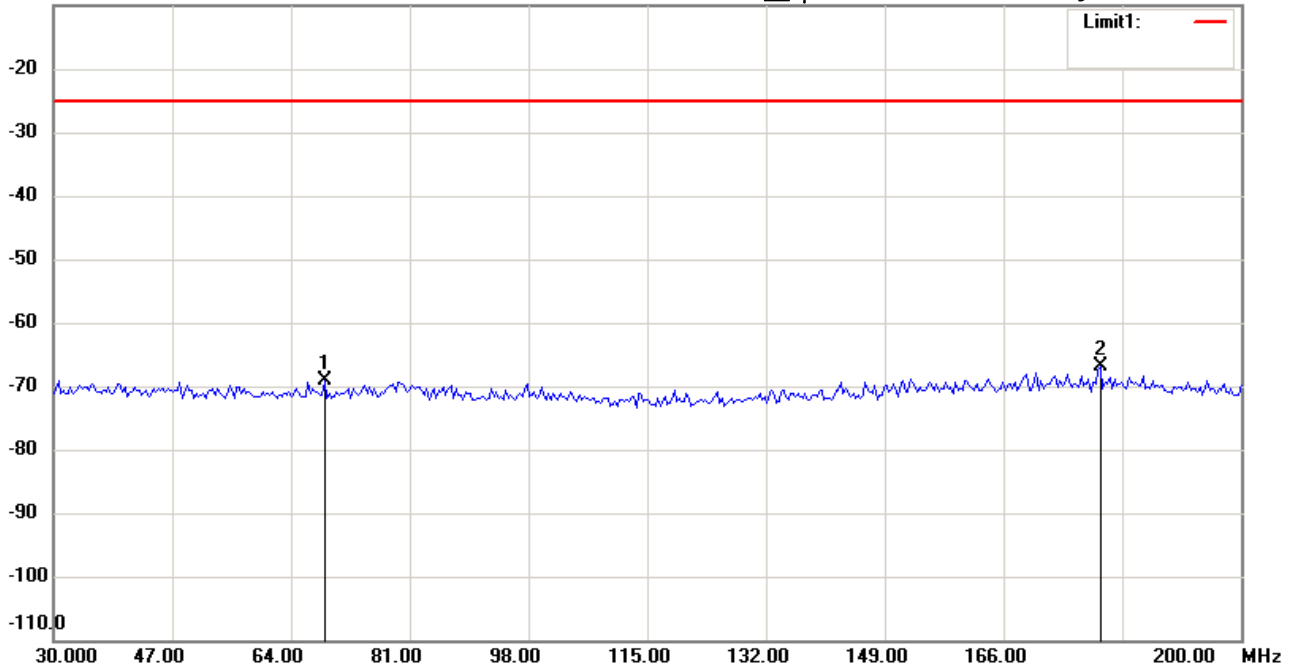
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:27:03

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 68.8376         | -90.05        | peak     | 20.91             | -69.14       | -25.00      | 150          | 220            | -44.14      |         |
| *   | 179.8997        | -89.79        | peak     | 22.88             | -66.91       | -25.00      | 150          | 170            | -41.91      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

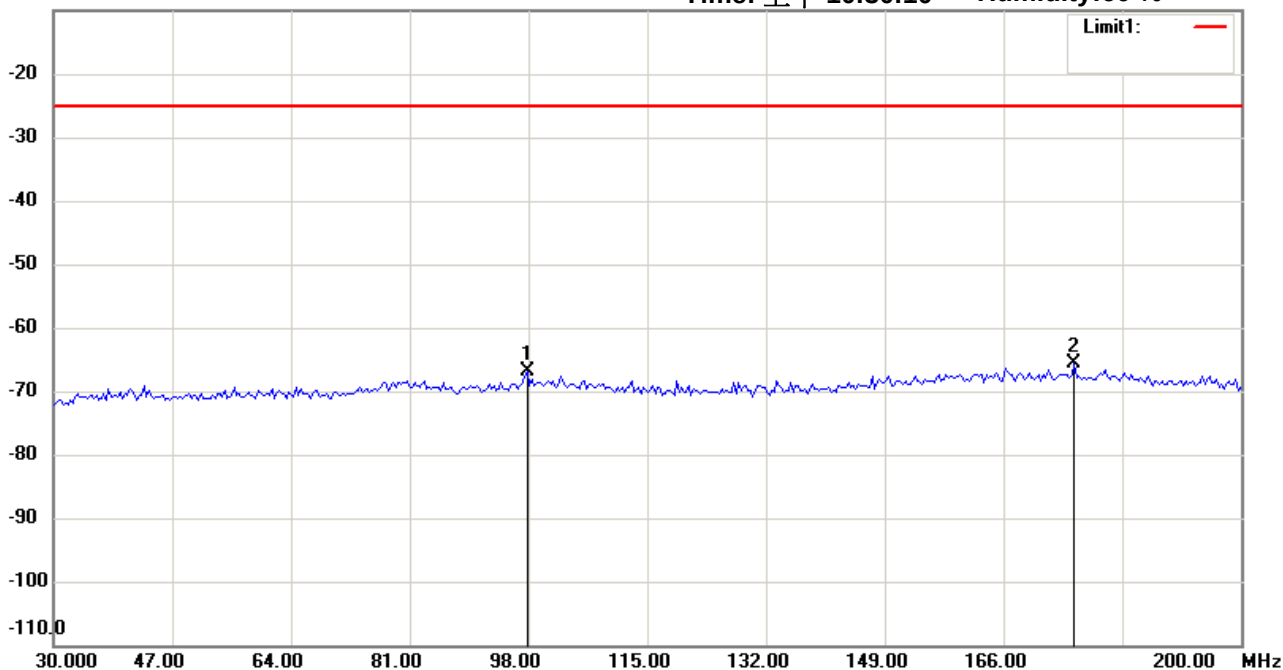
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:30:10

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.7955         | -89.10        | peak     | 22.16             | -66.94       | -25.00      | 150          | 300            | -41.94      |         |
| *   | 176.1522        | -88.78        | peak     | 23.23             | -65.55       | -25.00      | 150          | 170            | -40.55      |         |

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

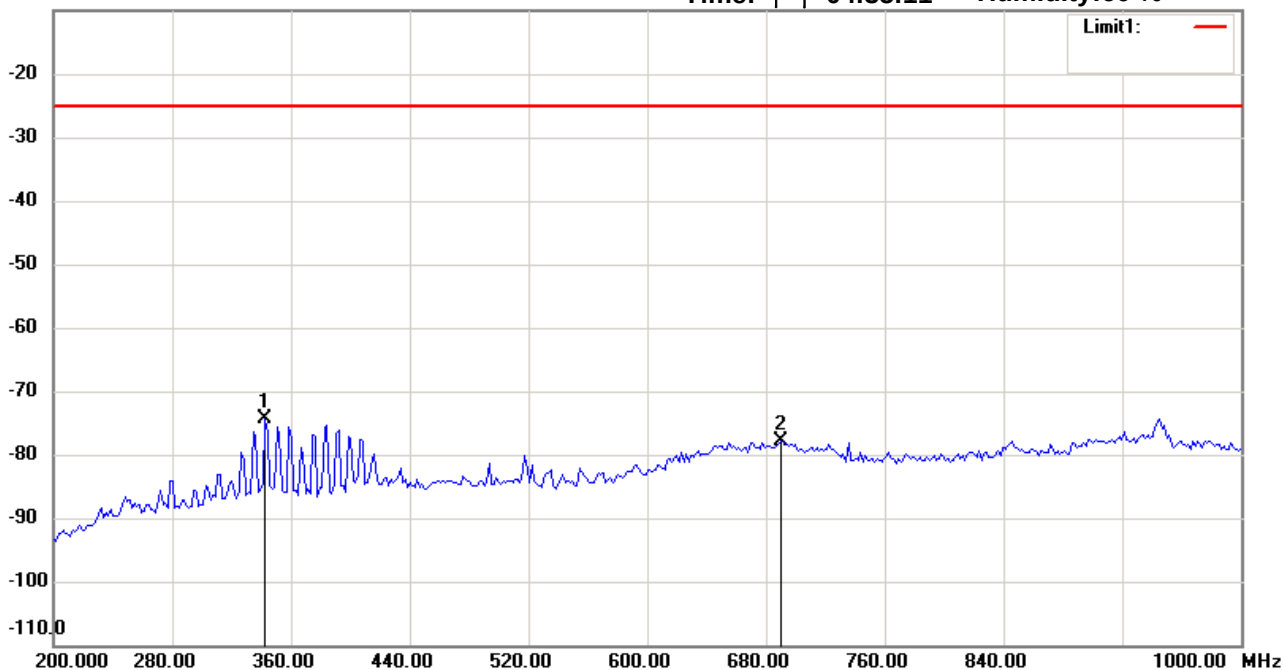
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:35:11

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 342.6854        | -63.78        | peak     | -10.56            | -74.34       | -25.00      | 150          | 100            | -49.34      |         |
|     | 690.5812        | -75.47        | peak     | -2.33             | -77.80       | -25.00      | 150          | 250            | -52.80      |         |



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

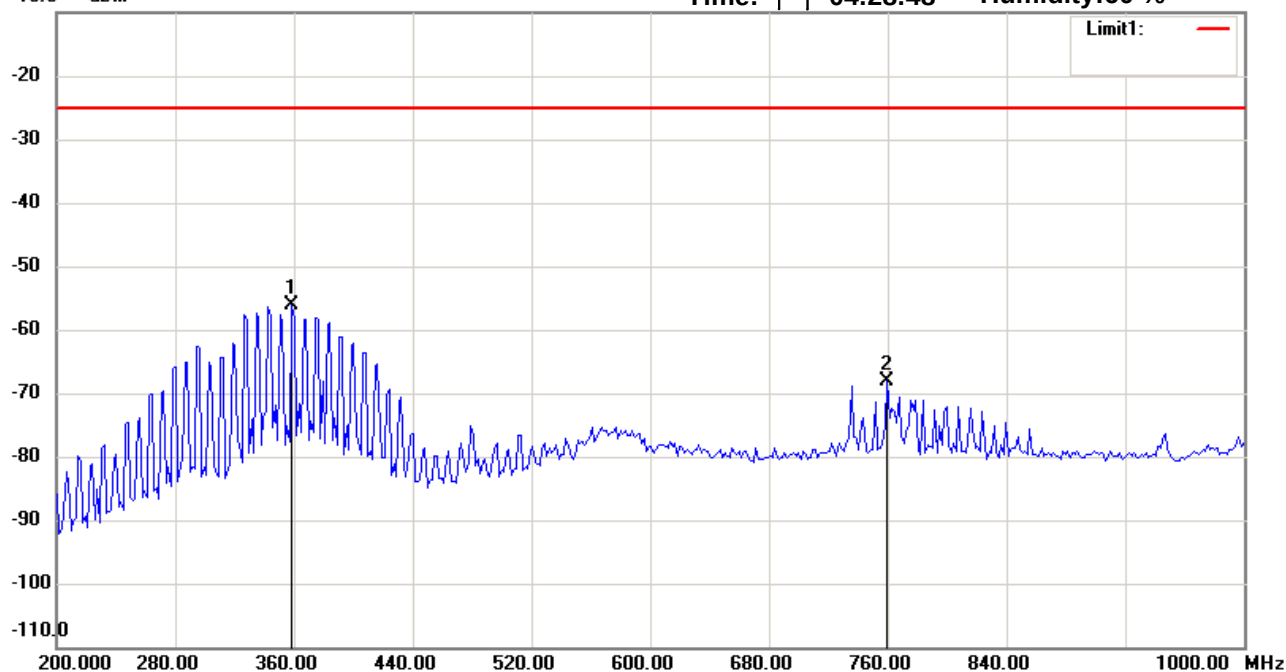
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:28:48

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 358.7174        | -43.94        | peak     | -12.28            | -56.22       | -25.00      | 150          | 320            | -31.22      |         |
|     | 759.5190        | -64.55        | peak     | -3.52             | -68.07       | -25.00      | 150          | 150            | -43.07      |         |

\*:Maximum data    x:Over limit    !:over margin



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### Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

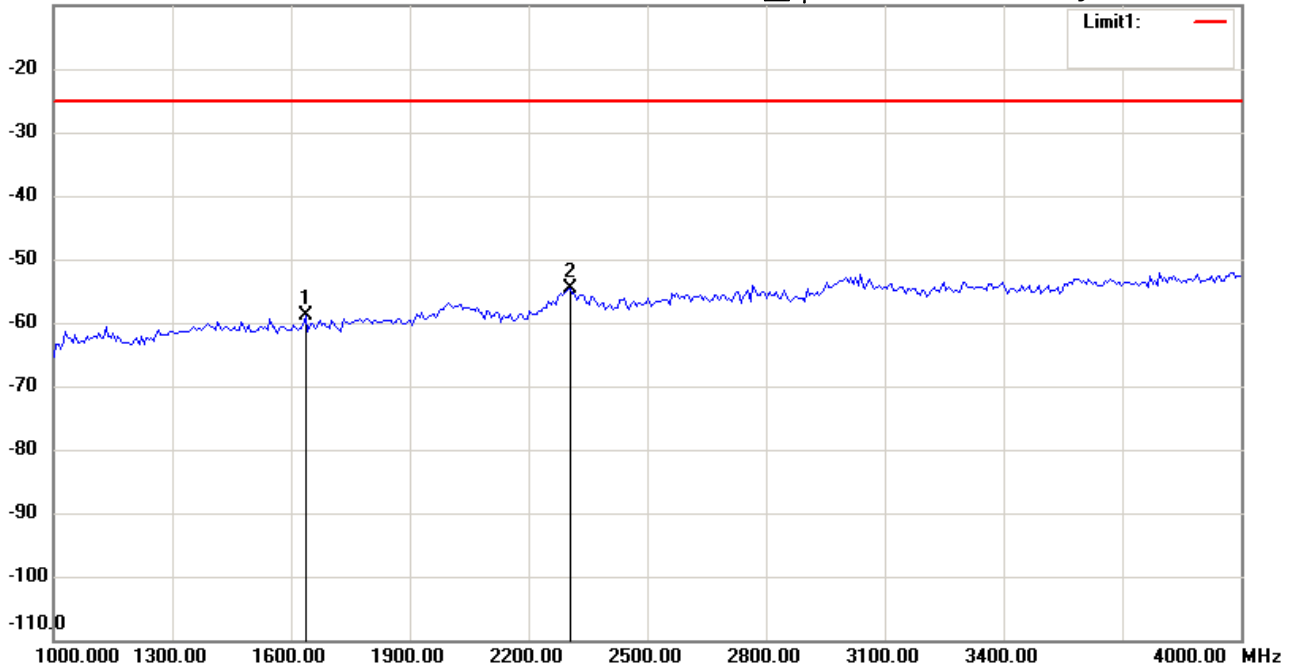
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:04:32

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1637.274        | -59.74        | peak     | 0.81              | -58.93       | -25.00      | 150          | 100            | -33.93      |         |
| *   | 2304.609        | -60.80        | peak     | 6.06              | -54.74       | -25.00      | 150          | 210            | -29.74      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

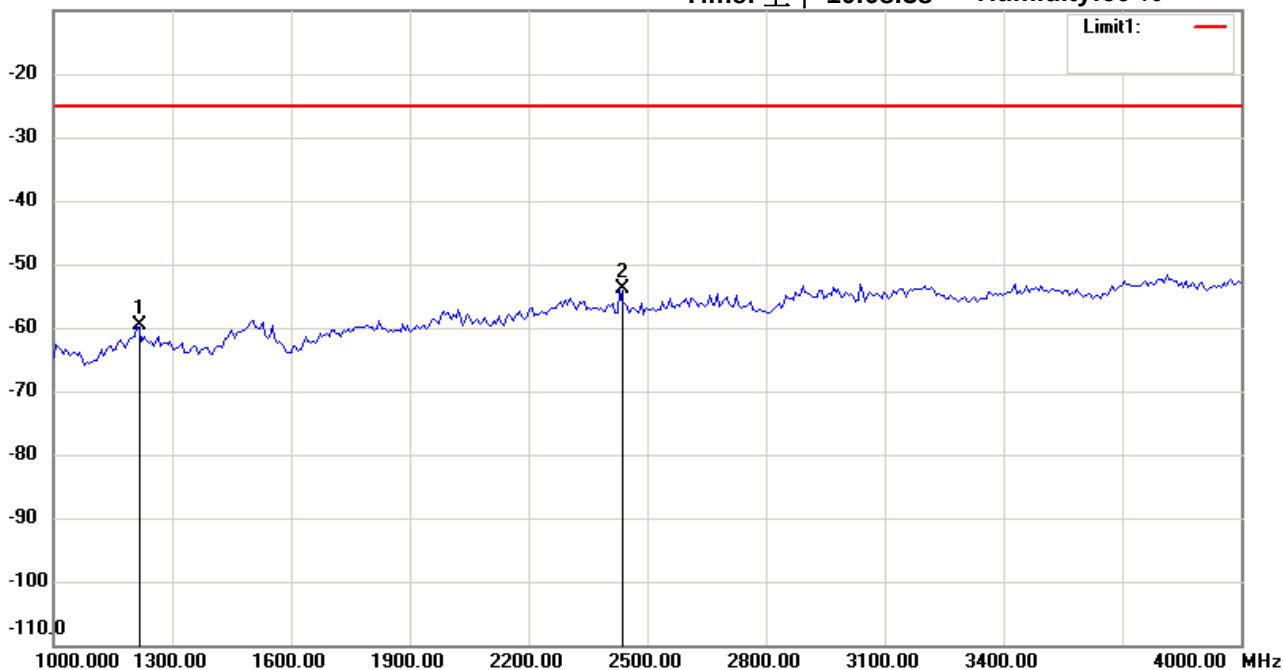
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:08:38

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1210.421        | -59.88        | peak     | 0.32              | -59.56       | -25.00      | 150          | 110            | -34.56      |         |
| *   | 2430.862        | -58.34        | peak     | 4.35              | -53.99       | -25.00      | 150          | 300            | -28.99      |         |

\*:Maximum data x:Over limit !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

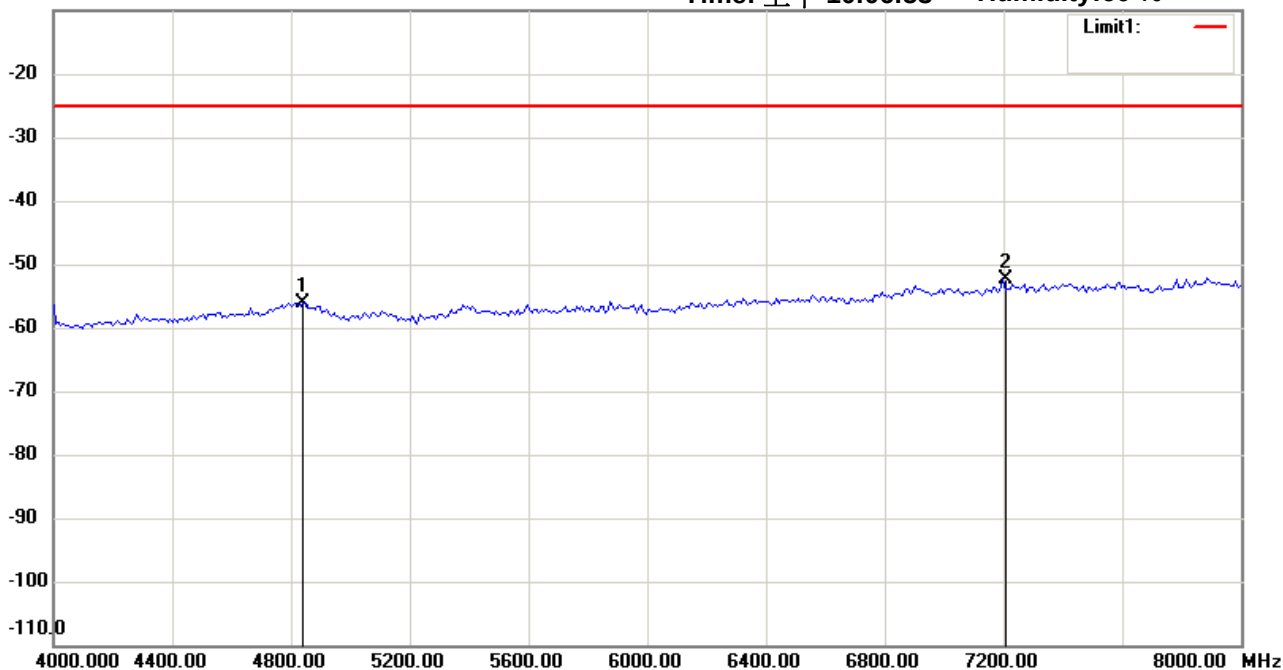
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:06:53

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: **Horizontal**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4841.683        | -65.55        | peak     | 9.52              | -56.03       | -25.00      | 150          | 110            | -31.03      |         |
| *   | 7198.397        | -63.41        | peak     | 11.13             | -52.28       | -25.00      | 150          | 270            | -27.28      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

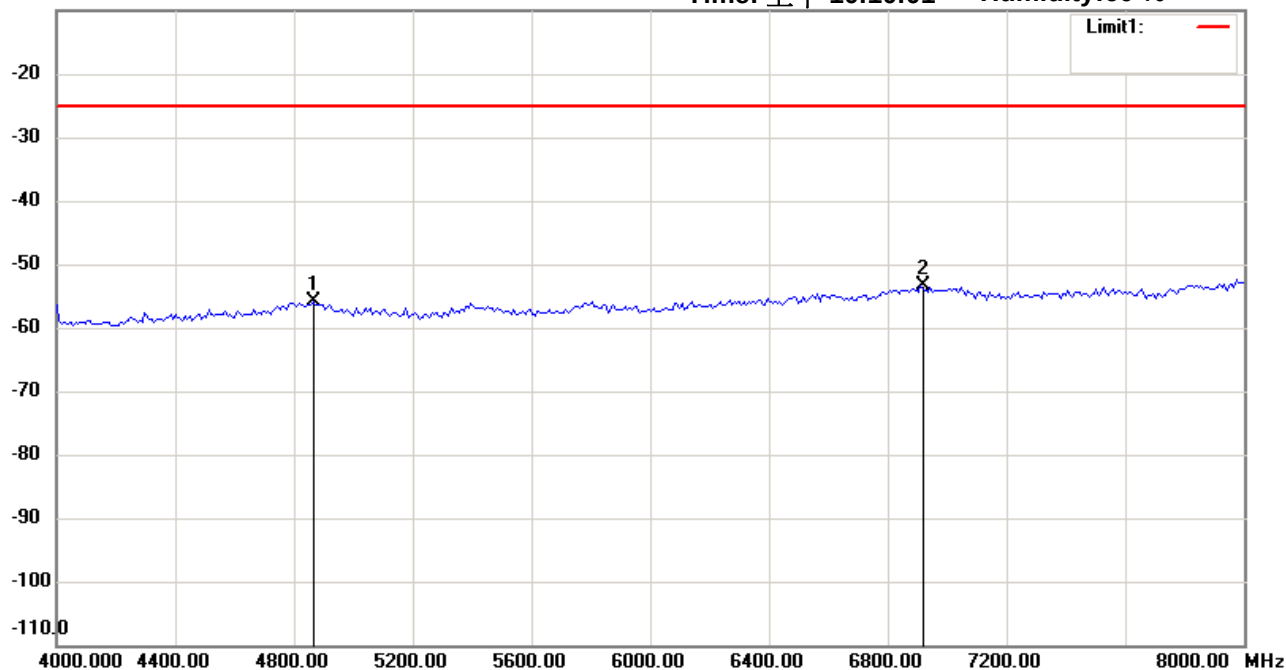
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:10:01

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 607.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4865.731        | -65.56        | peak     | 9.78              | -55.78       | -25.00      | 150          | 100            | -30.78      |         |
| *   | 6909.820        | -65.52        | peak     | 12.11             | -53.41       | -25.00      | 150          | 250            | -28.41      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

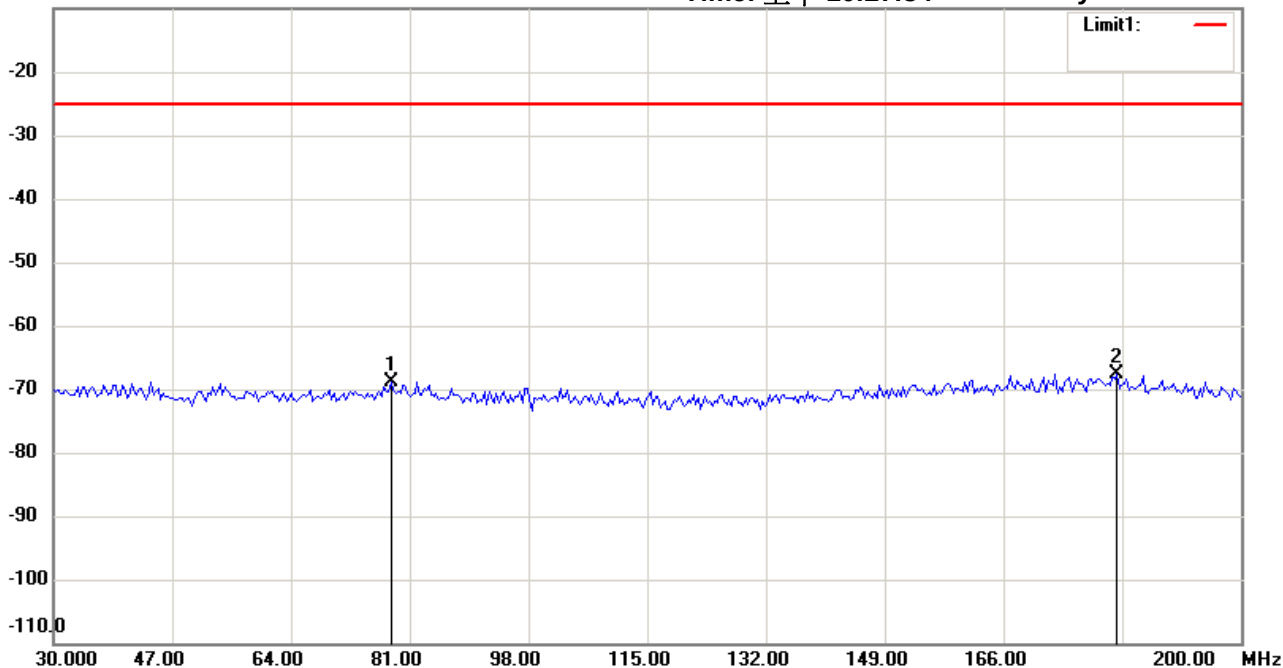
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:27:34

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 78.3768         | -90.70        | peak     | 21.89             | -68.81       | -25.00      | 150          | 100            | -43.81      |         |
| *   | 182.2846        | -90.21        | peak     | 22.66             | -67.55       | -25.00      | 150          | 250            | -42.55      |         |

\*:Maximum data    x:Over limit    !:over margin



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Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

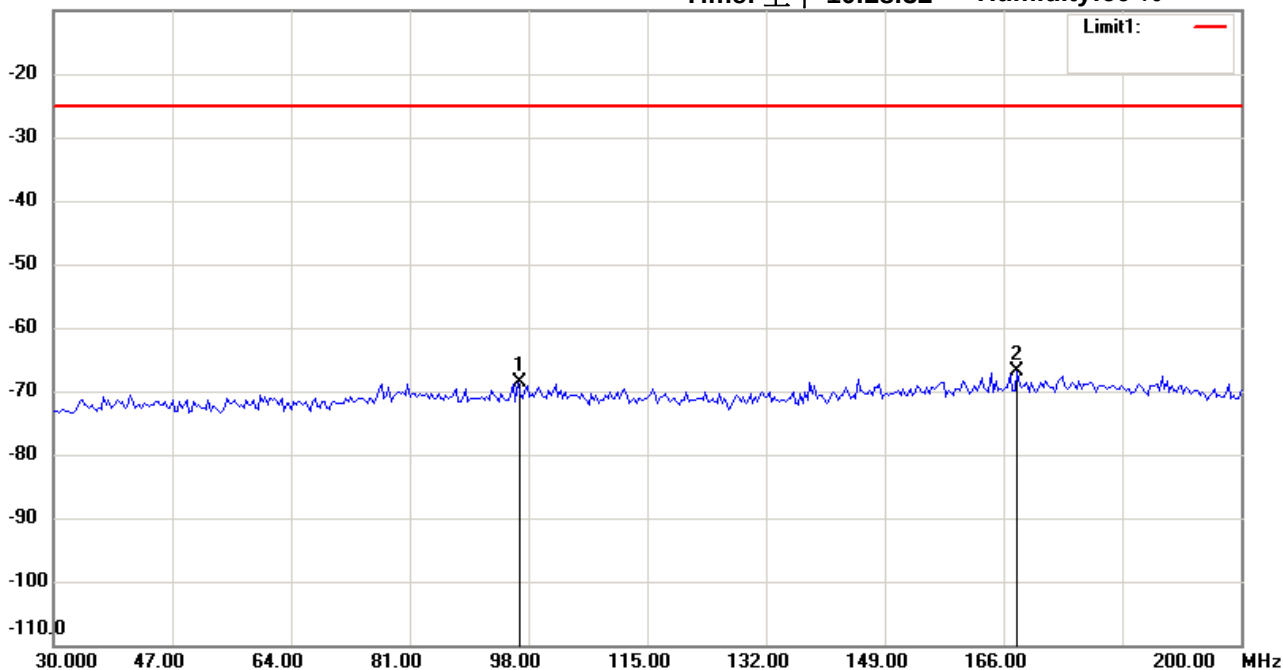
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:28:32

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 96.4330         | -90.70        | peak     | 22.00             | -68.70       | -25.00      | 150          | 210            | -43.70      |         |
| *   | 167.9760        | -90.08        | peak     | 23.16             | -66.92       | -25.00      | 150          | 300            | -41.92      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

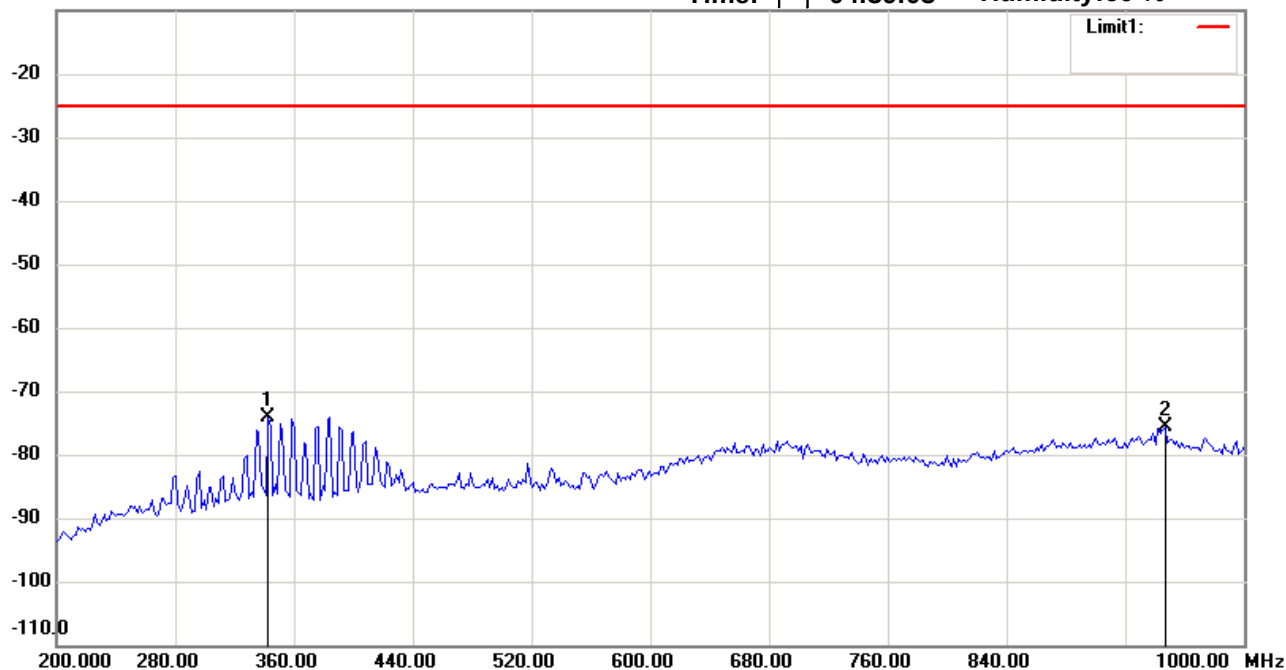
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:39:03

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 342.6854        | -63.52        | peak     | -10.56            | -74.08       | -25.00      | 150          | 300            | -49.08      |         |
|     | 947.0942        | -73.61        | peak     | -1.97             | -75.58       | -25.00      | 150          | 140            | -50.58      |         |

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

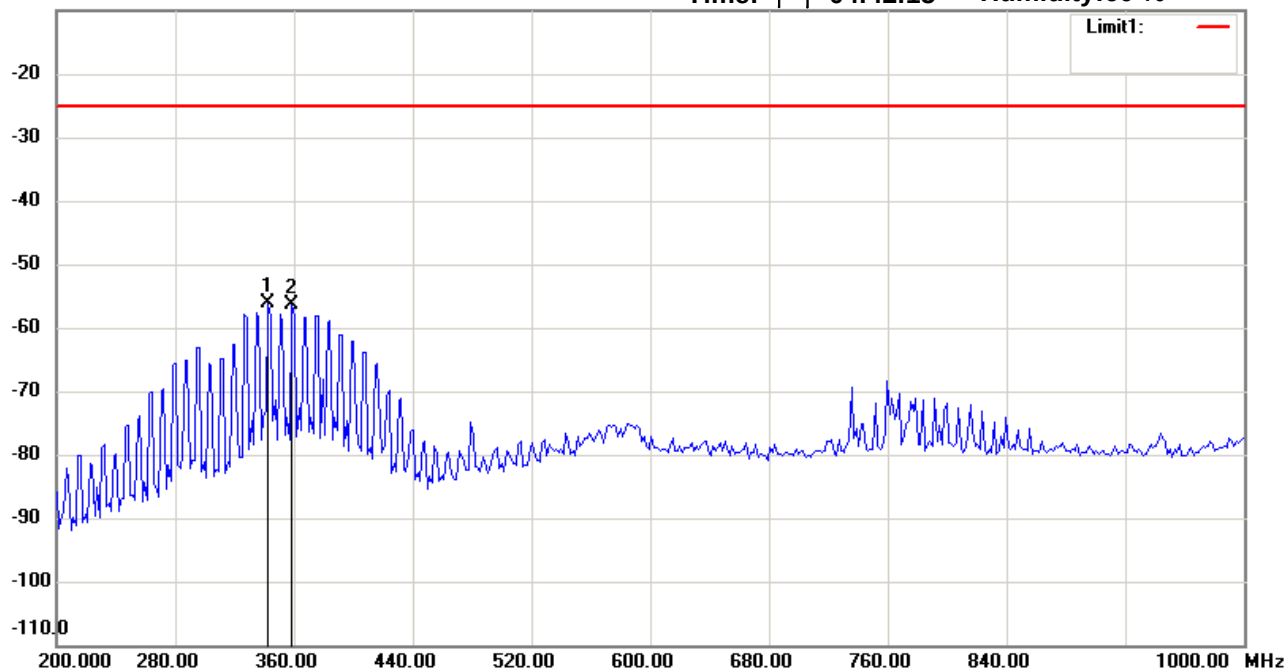
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 04:42:15

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 342.6854        | -44.21        | peak     | -12.01            | -56.22       | -25.00      | 150          | 200            | -31.22      |         |
|     | 358.7174        | -44.17        | peak     | -12.28            | -56.45       | -25.00      | 150          | 170            | -31.45      |         |



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

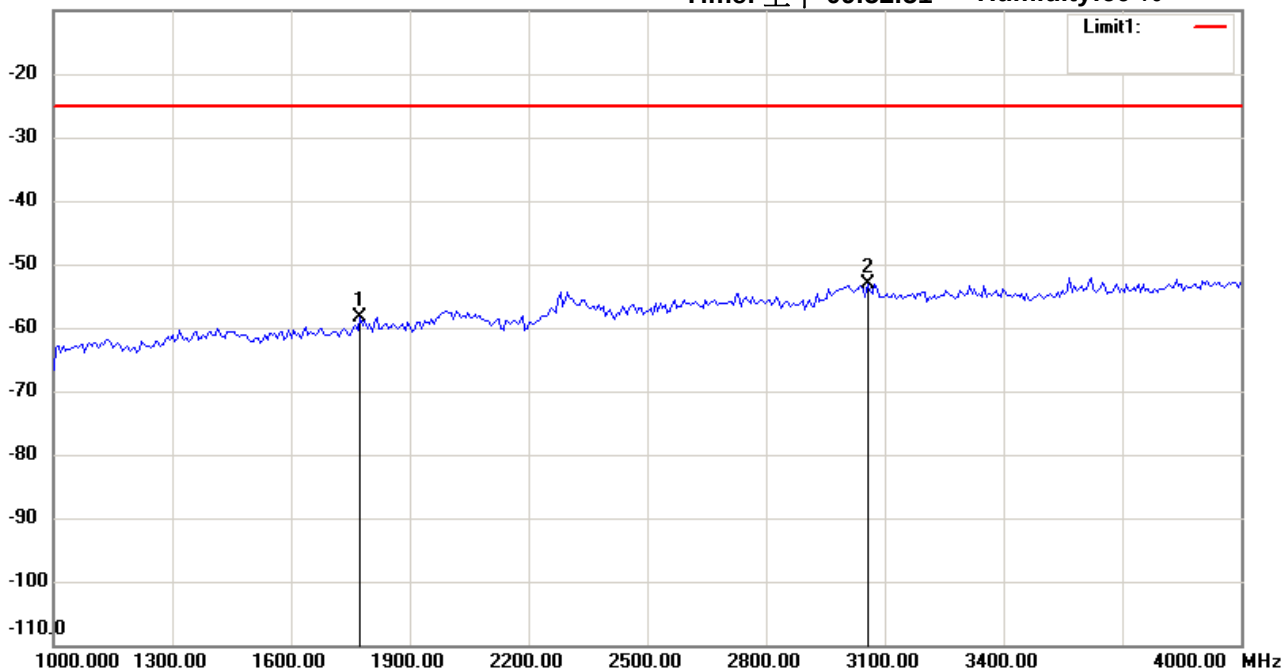
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:52:51

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1775.551        | -59.80        | peak     | 1.48              | -58.32       | -25.00      | 150          | 320            | -33.32      |         |
| *   | 3056.112        | -60.79        | peak     | 7.79              | -53.00       | -25.00      | 150          | 110            | -28.00      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

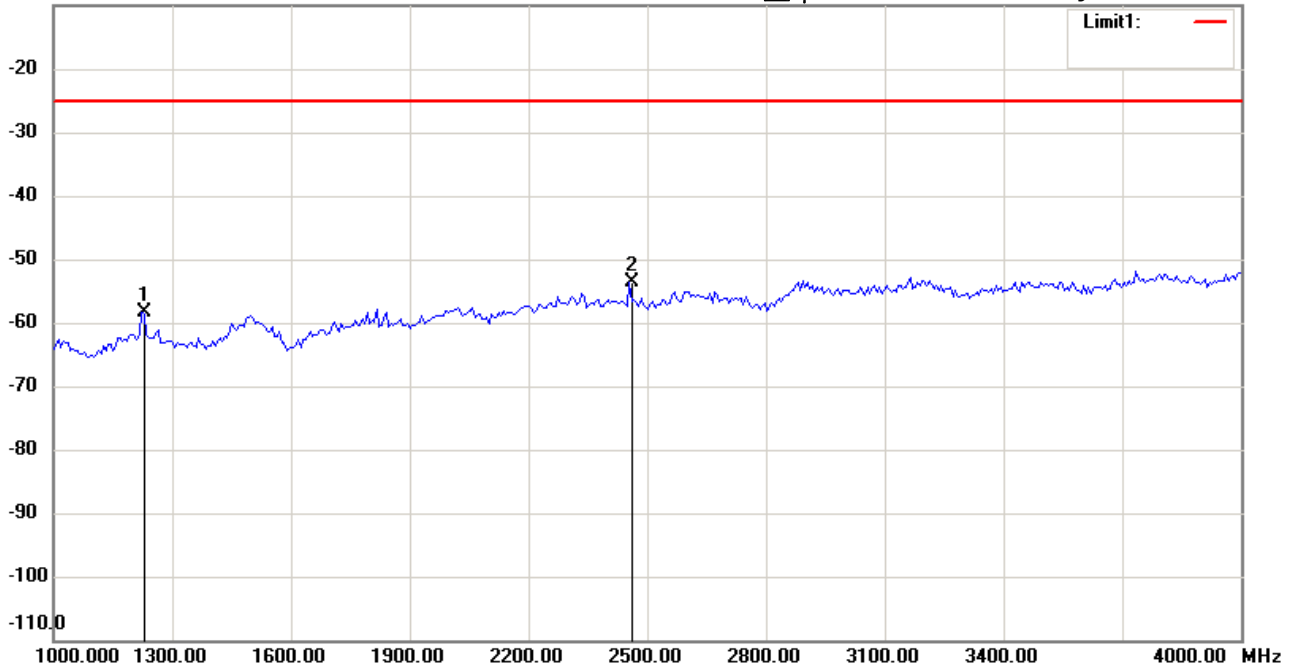
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:58:17

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1222.445        | -58.57        | peak     | 0.12              | -58.45       | -25.00      | 150          | 40             | -33.45      |         |
| *   | 2454.910        | -57.89        | peak     | 4.29              | -53.60       | -25.00      | 150          | 200            | -28.60      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

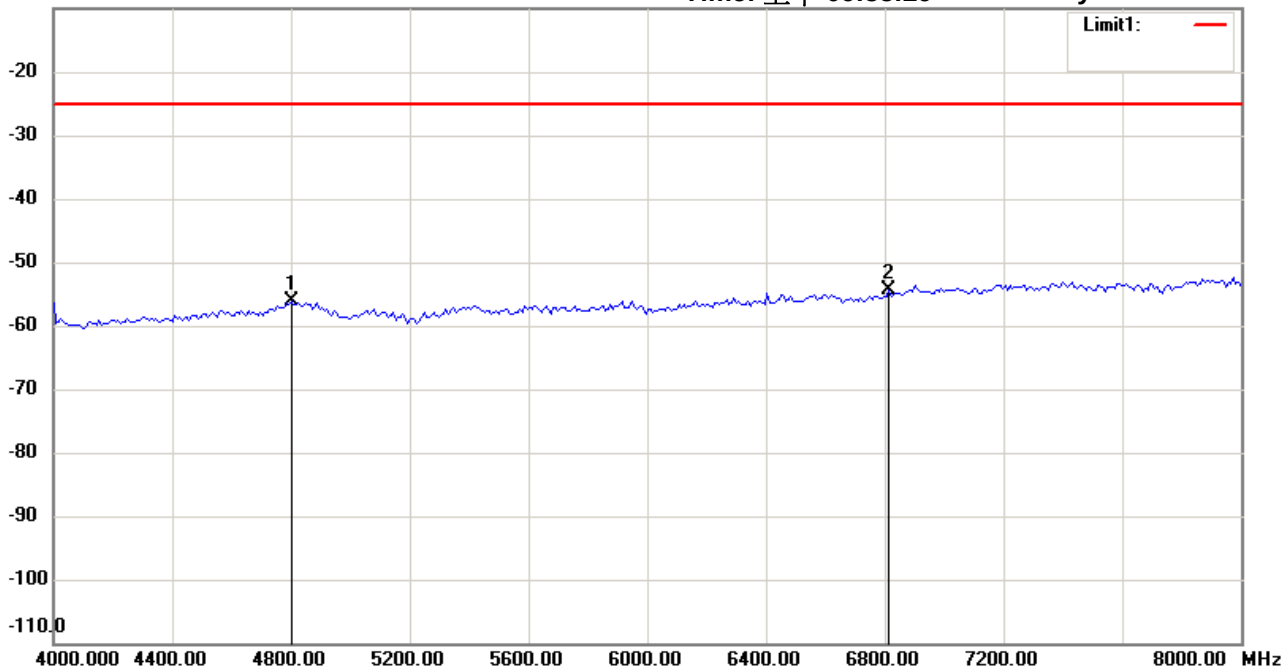
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:55:29

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4801.603        | -65.92        | peak     | 9.88              | -56.04       | -25.00      | 150          | 100            | -31.04      |         |
| *   | 6813.627        | -65.57        | peak     | 11.25             | -54.32       | -25.00      | 150          | 250            | -29.32      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

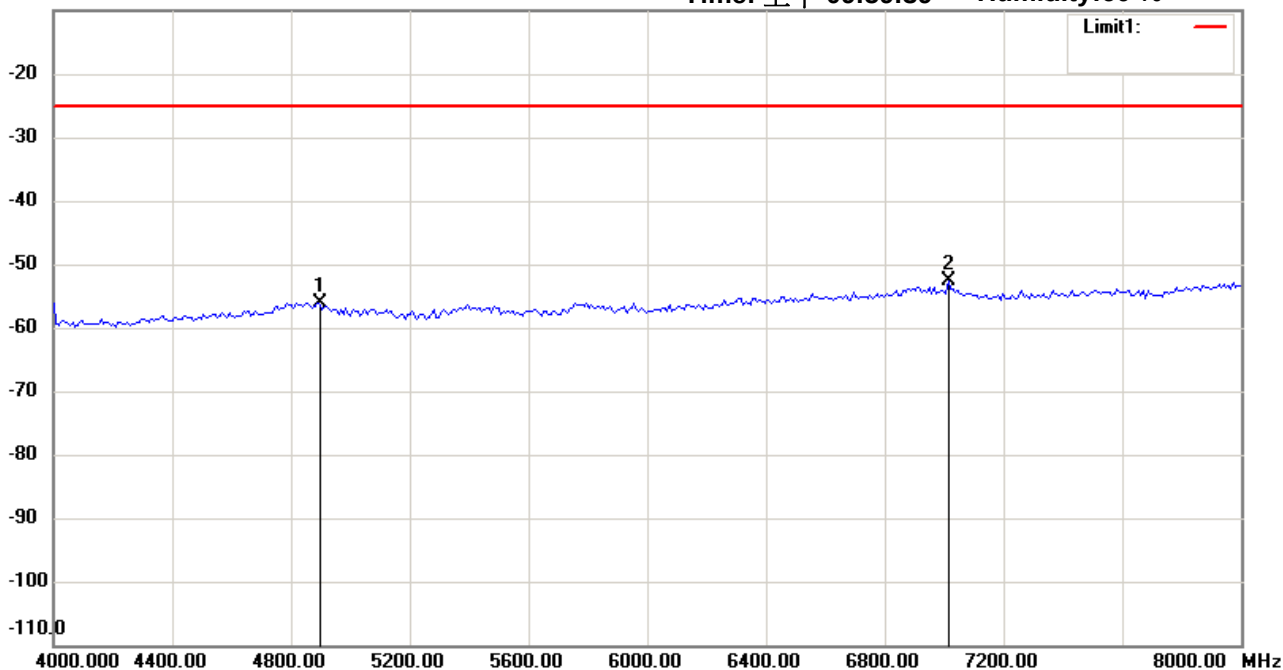
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:59:39

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 614.1MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4889.780        | -65.76        | peak     | 9.76              | -56.00       | -25.00      | 150          | 250            | -31.00      |         |
| *   | 7014.028        | -63.99        | peak     | 11.36             | -52.63       | -25.00      | 150          | 100            | -27.63      |         |

\*:Maximum data    x:Over limit    !:over margin



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875

# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

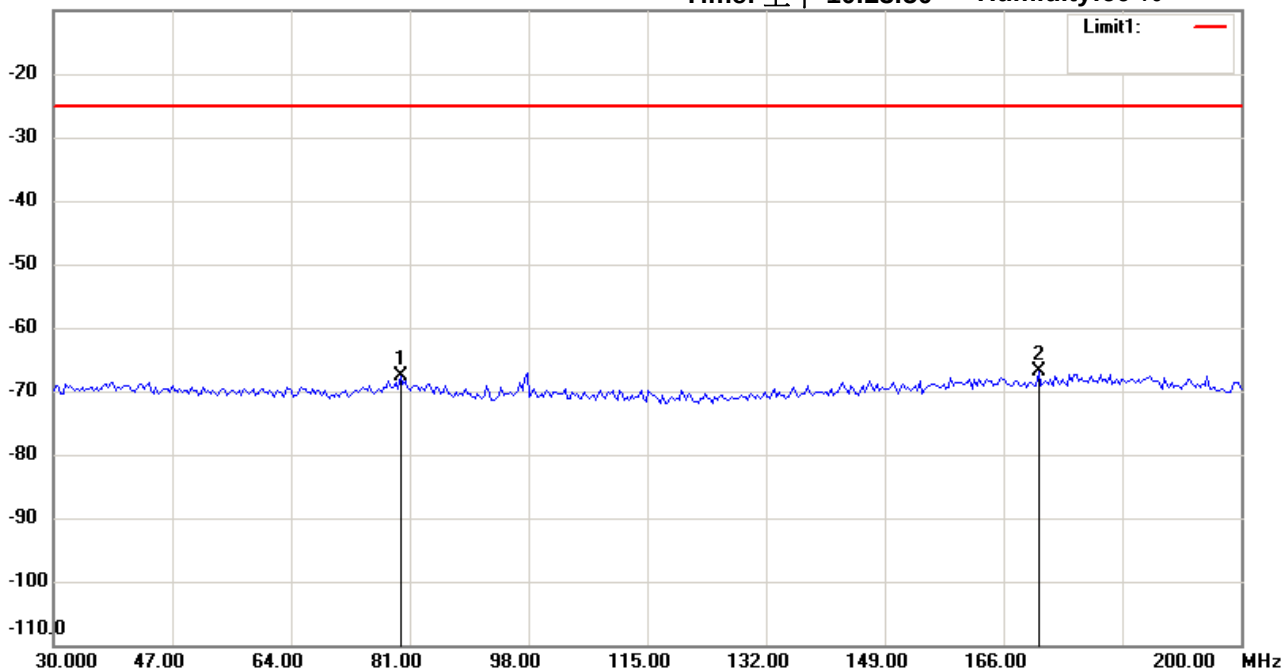
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:23:50

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 79.7395         | -89.80        | peak     | 22.06             | -67.74       | -25.00      | 150          | 100            | -42.74      |         |
| *   | 171.0421        | -89.55        | peak     | 22.68             | -66.87       | -25.00      | 150          | 240            | -41.87      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

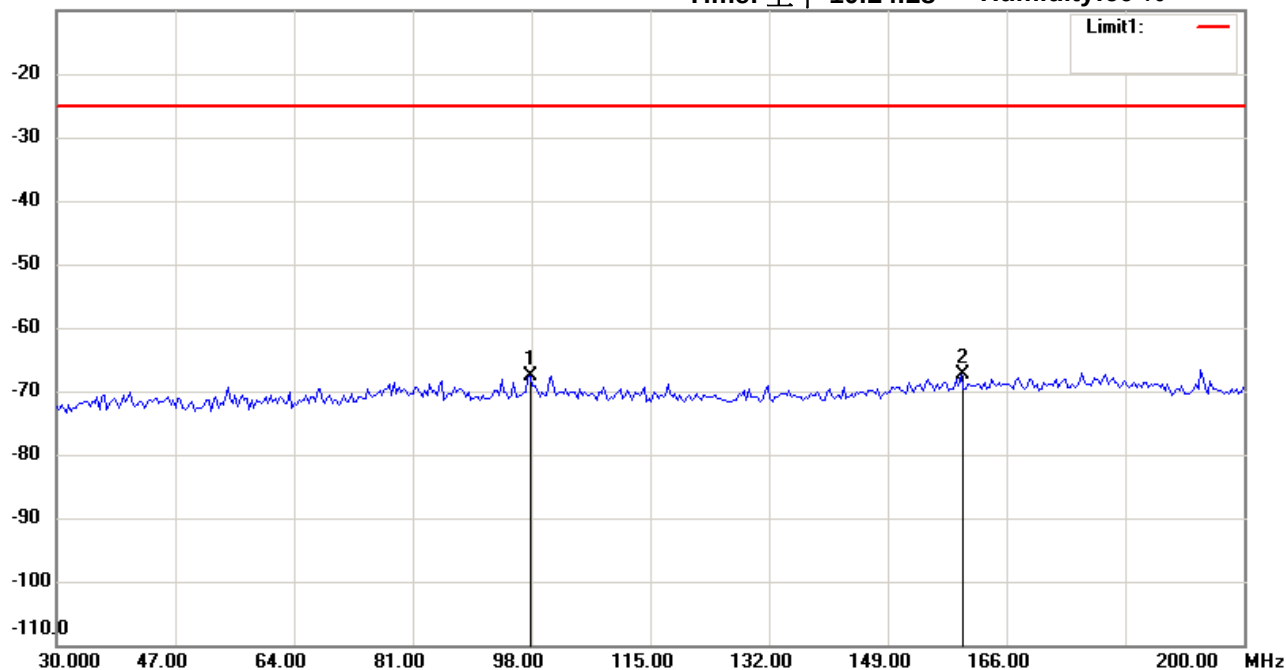
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:24:28

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.7956         | -89.75        | peak     | 22.16             | -67.59       | -25.00      | 150          | 250            | -42.59      |         |
| *   | 159.4590        | -90.40        | peak     | 23.06             | -67.34       | -25.00      | 150          | 100            | -42.34      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

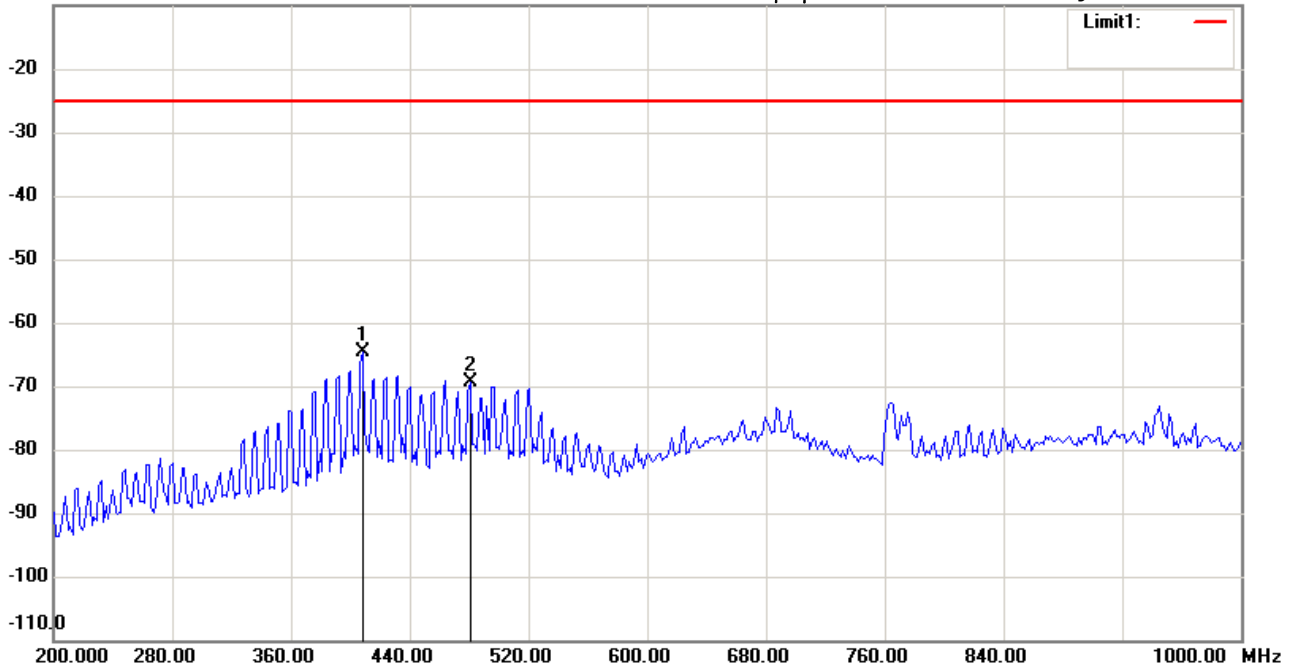
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:16:20

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 408.4168        | -55.42        | peak     | -9.24             | -64.66       | -25.00      | 150          | 300            | -39.66      |         |
|     | 480.5611        | -60.01        | peak     | -9.30             | -69.31       | -25.00      | 150          | 120            | -44.31      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

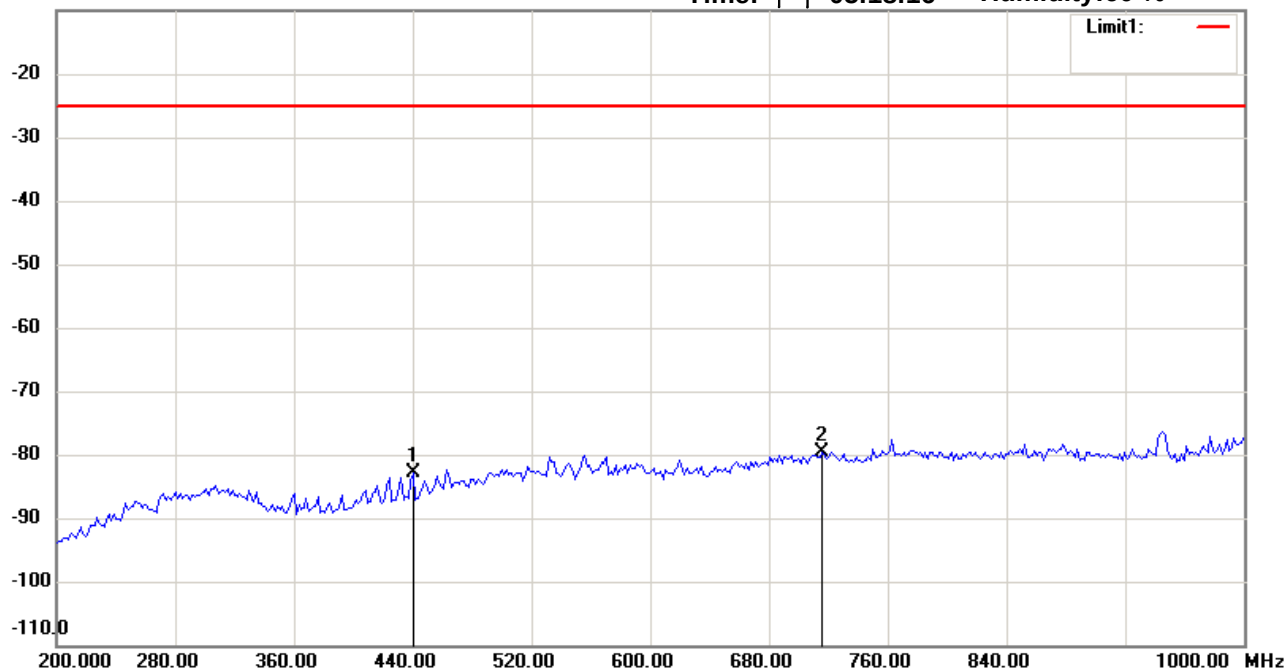
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:18:16

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 440.4810        | -72.12        | peak     | -10.69            | -82.81       | -25.00      | 150          | 100            | -57.81      |         |
| *   | 716.2325        | -76.13        | peak     | -3.54             | -79.67       | -25.00      | 150          | 250            | -54.67      |         |

\*:Maximum data x:Over limit !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

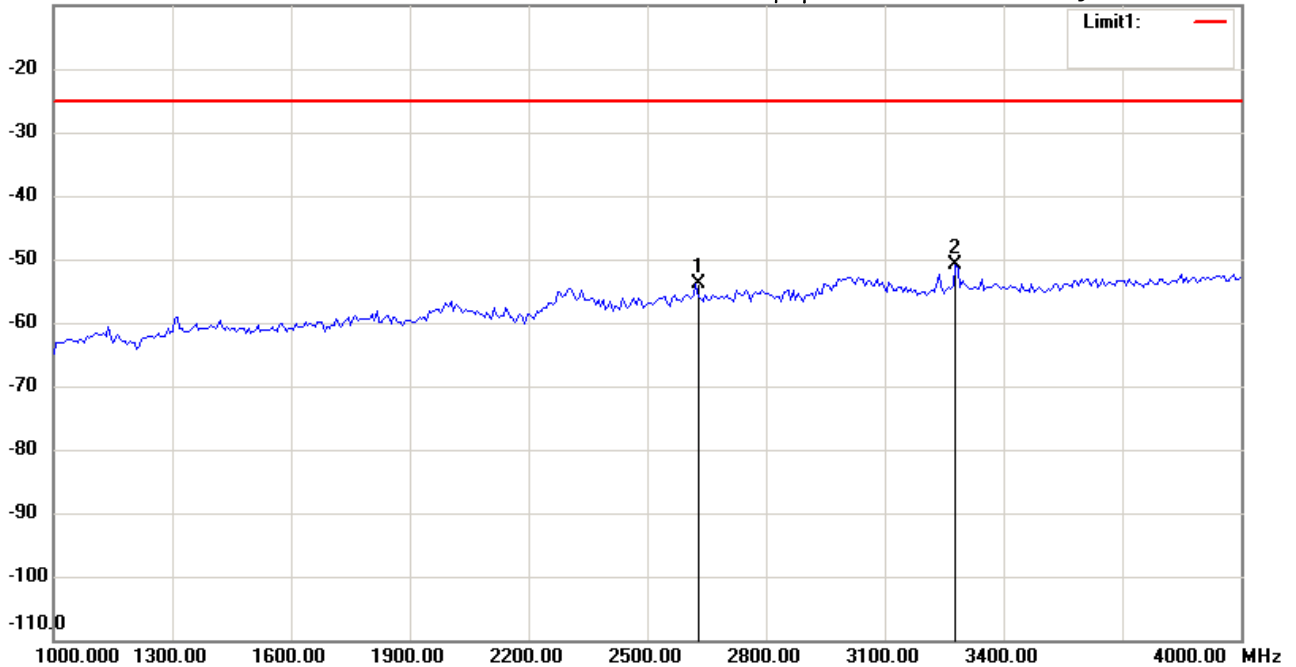
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:29:05

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 2623.247        | -59.81        | peak     | 5.91              | -53.90       | -25.00      | 150          | 140            | -28.90      |         |
| *   | 3278.557        | -58.15        | peak     | 7.29              | -50.86       | -25.00      | 150          | 300            | -25.86      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

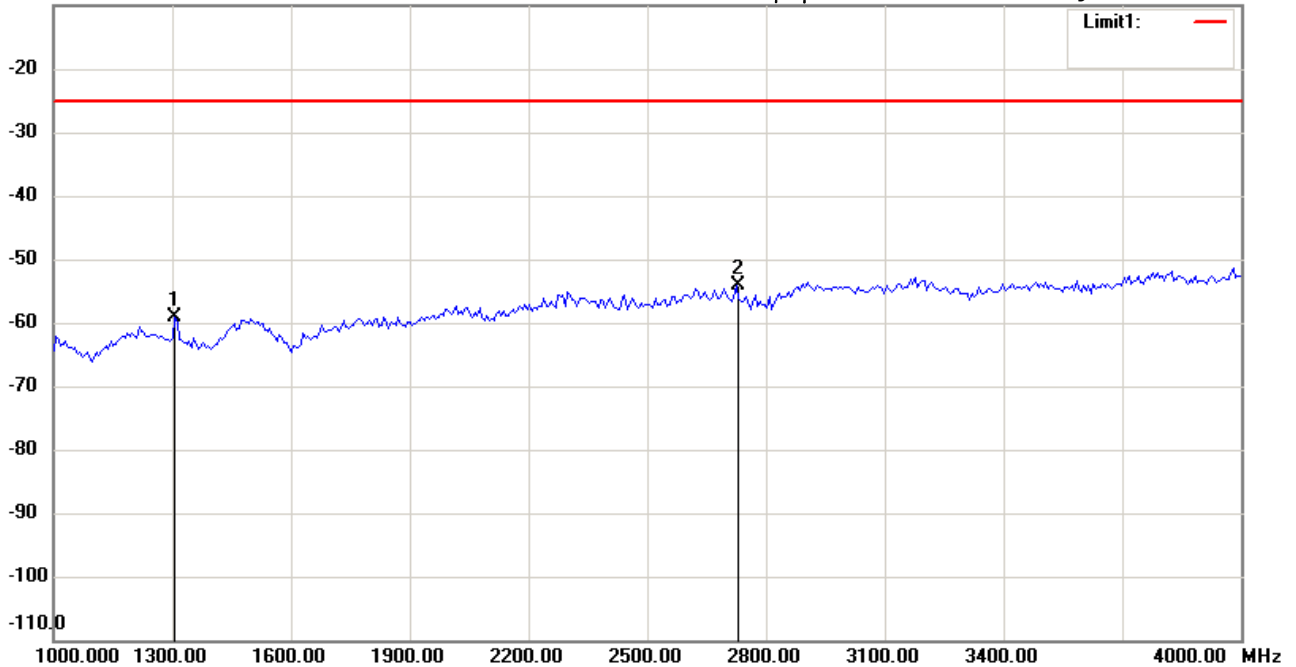
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:22:51

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1306.613        | -57.91        | peak     | -1.24             | -59.15       | -25.00      | 150          | 100            | -34.15      |         |
| *   | 2725.451        | -59.97        | peak     | 5.94              | -54.03       | -25.00      | 150          | 250            | -29.03      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

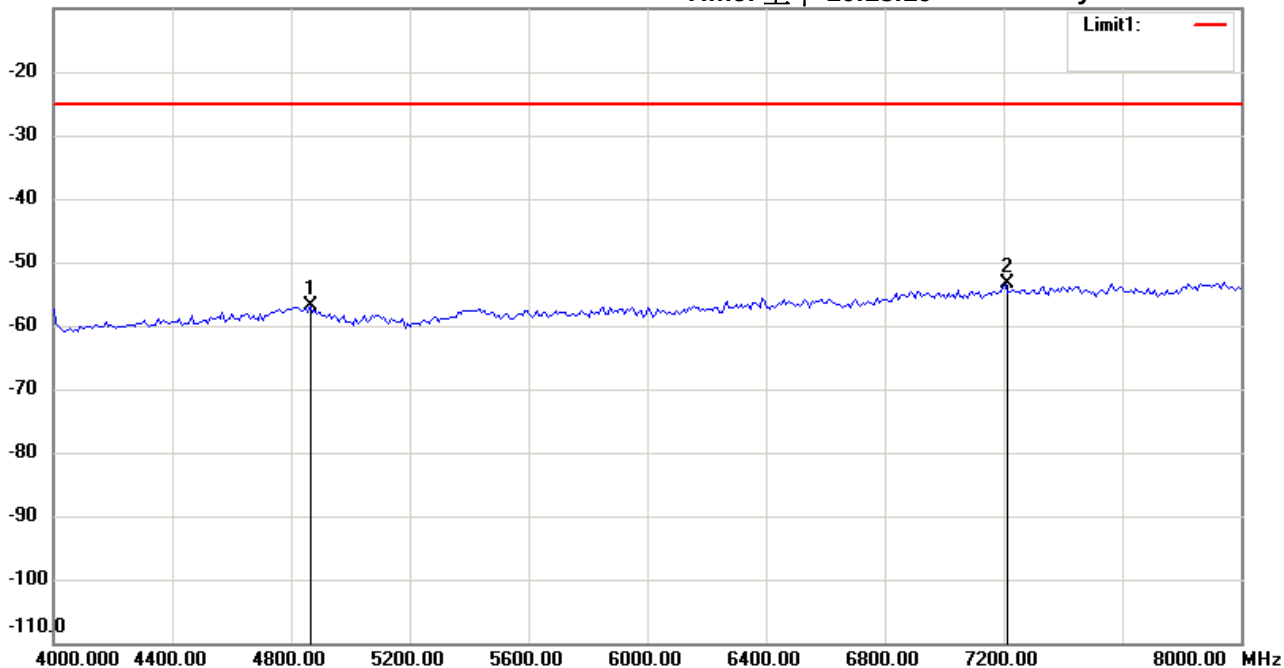
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:13:19

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4865.731        | -66.27        | peak     | 9.30              | -56.97       | -25.00      | 150          | 100            | -31.97      |         |
| *   | 7206.413        | -64.40        | peak     | 11.11             | -53.29       | -25.00      | 150          | 230            | -28.29      |         |

\*:Maximum data x:Over limit !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

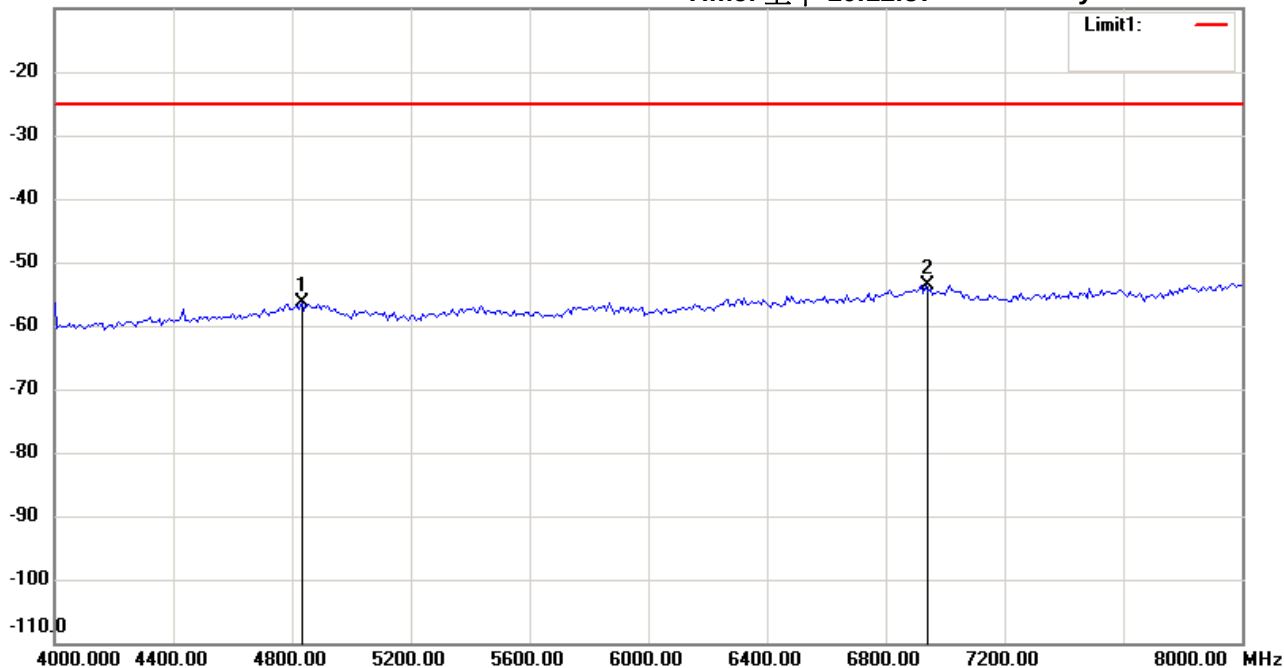
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:12:57

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 656MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4833.667        | -66.06        | peak     | 9.80              | -56.26       | -25.00      | 150          | 100            | -31.26      |         |
| *   | 6933.868        | -65.61        | peak     | 11.95             | -53.66       | -25.00      | 150          | 250            | -28.66      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#1

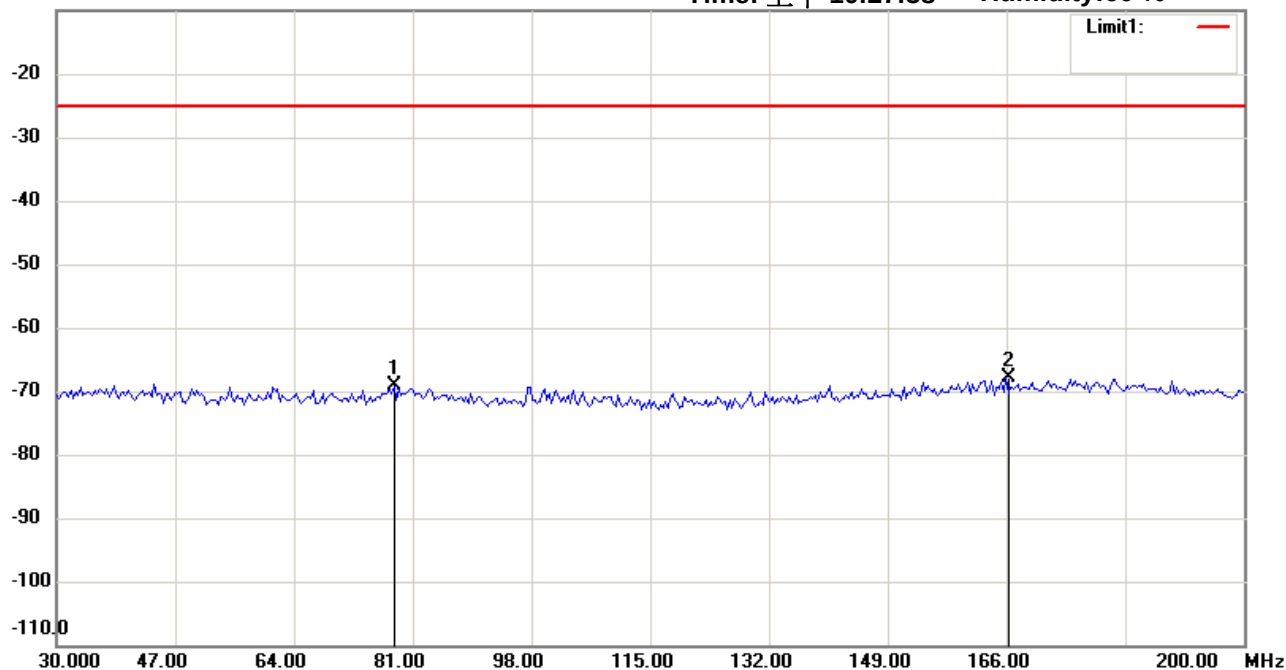
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:27:58

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 78.3768         | -90.94        | peak     | 21.89             | -69.05       | -25.00      | 150          | 100            | -44.05      |         |
| *   | 165.9320        | -90.53        | peak     | 22.57             | -67.96       | -25.00      | 150          | 250            | -42.96      |         |

\*:Maximum data    x:Over limit    !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :1

Data :#2

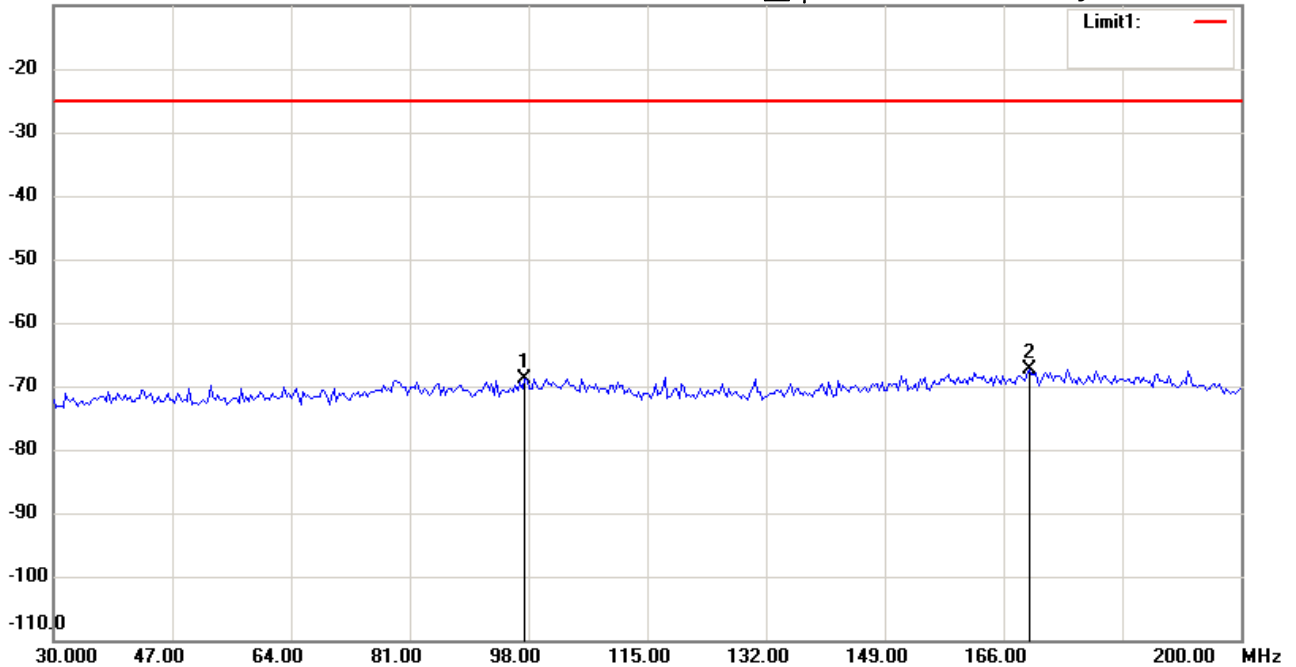
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 10:28:11

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 97.4548         | -90.98        | peak     | 22.12             | -68.86       | -25.00      | 150          | 200            | -43.86      |         |
| *   | 169.6793        | -90.53        | peak     | 23.18             | -67.35       | -25.00      | 150          | 110            | -42.35      |         |

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Rick

File :2

Data :#1

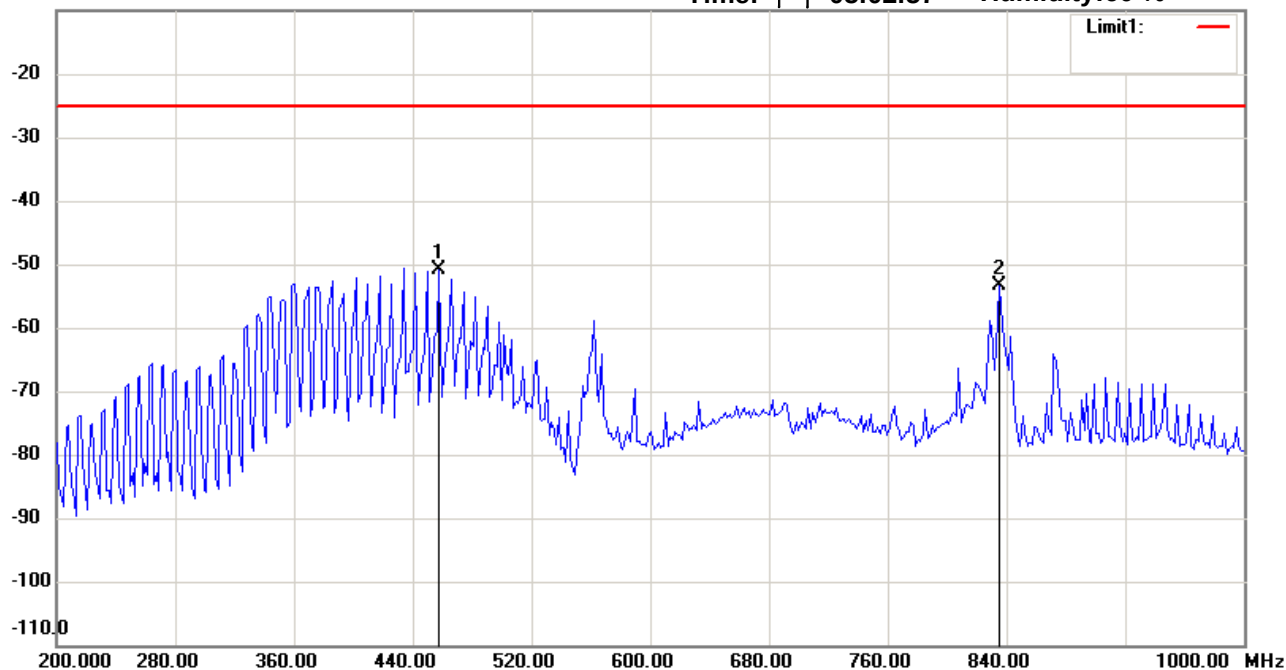
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:02:57

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
| *   | 458.1162        | -41.87        | peak     | -9.00             | -50.87       | -25.00      | 150          | 320            | -25.87      |         |
|     | 834.8696        | -49.97        | peak     | -3.38             | -53.35       | -25.00      | 150          | 110            | -28.35      |         |



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# Radiated Emission Measurement

Operator: Rick

File :2

Data :#2

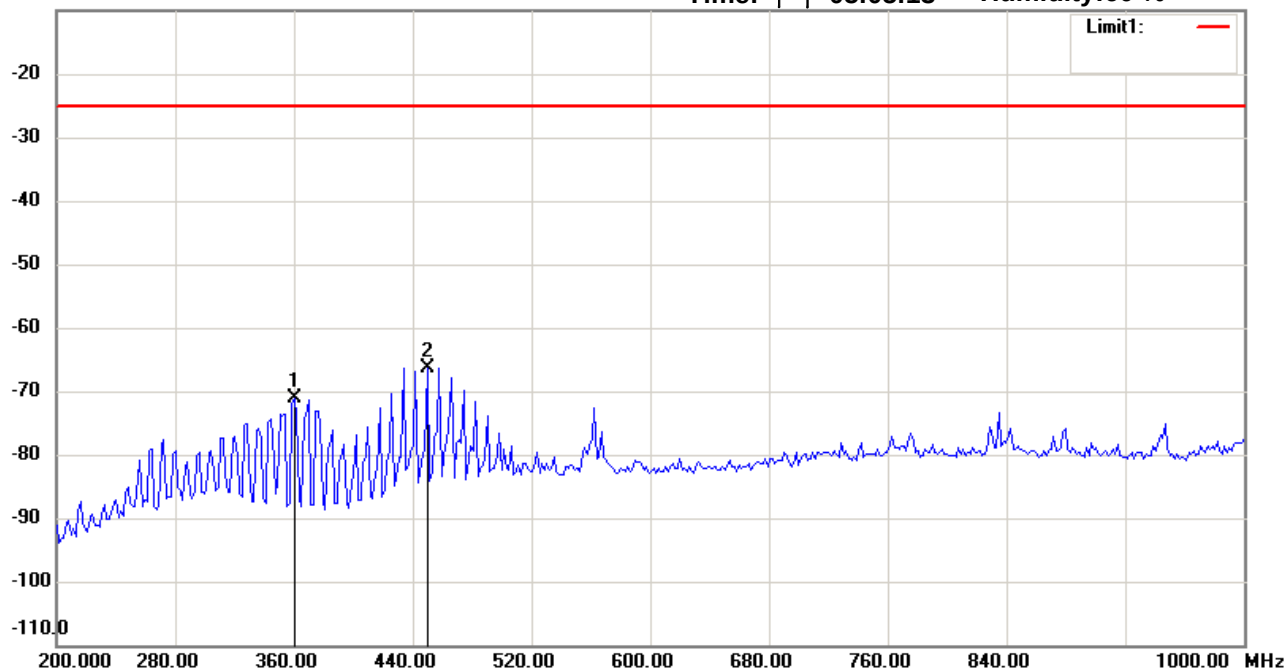
Date: 2015/2/15

Temperature:24 °C

-10.0 dBm

Time: 下午 05:05:13

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: Vertical

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 360.3206        | -58.90        | peak     | -12.31            | -71.21       | -25.00      | 150          | 120            | -46.21      |         |
| *   | 450.1002        | -56.43        | peak     | -9.84             | -66.27       | -25.00      | 150          | 300            | -41.27      |         |

\*:Maximum data x:Over limit !:over margin



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#3

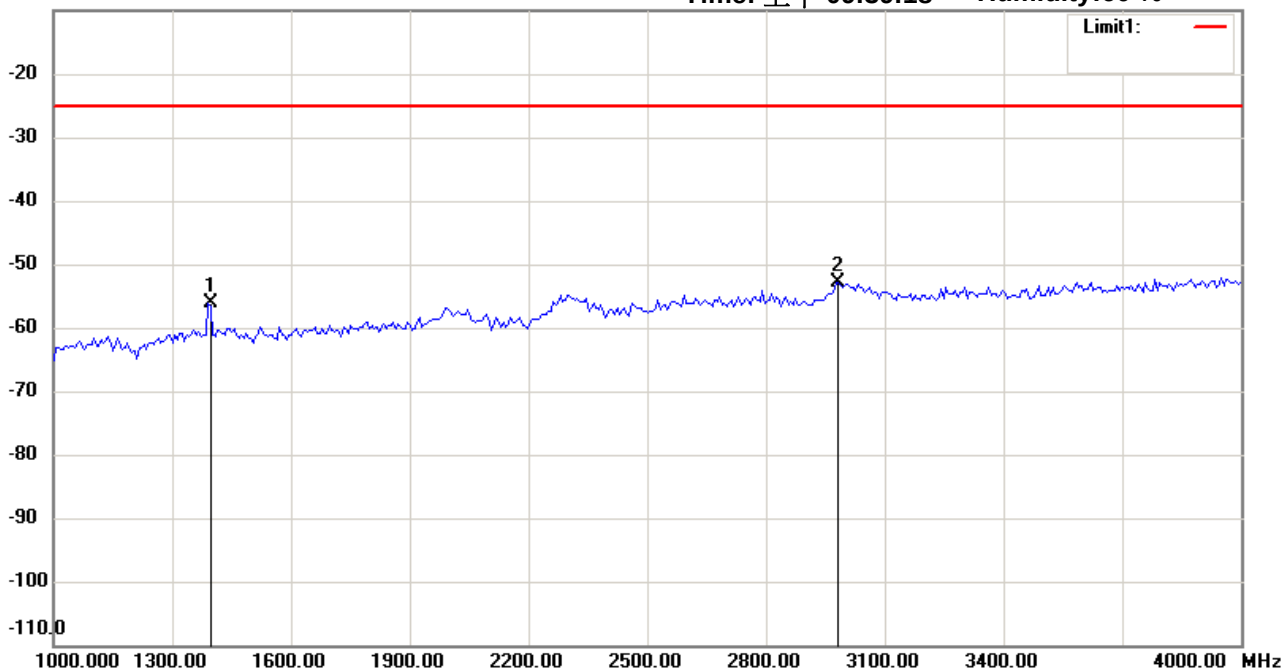
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:39:18

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1390.782        | -57.09        | peak     | 1.02              | -56.07       | -25.00      | 150          | 300            | -31.07      |         |
| *   | 2977.956        | -60.82        | peak     | 7.87              | -52.95       | -25.00      | 150          | 120            | -27.95      |         |

\*:Maximum data    x:Over limit    !:over margin



Radiated Emission Measurement

Operator: Rick

File :3

Data :#1

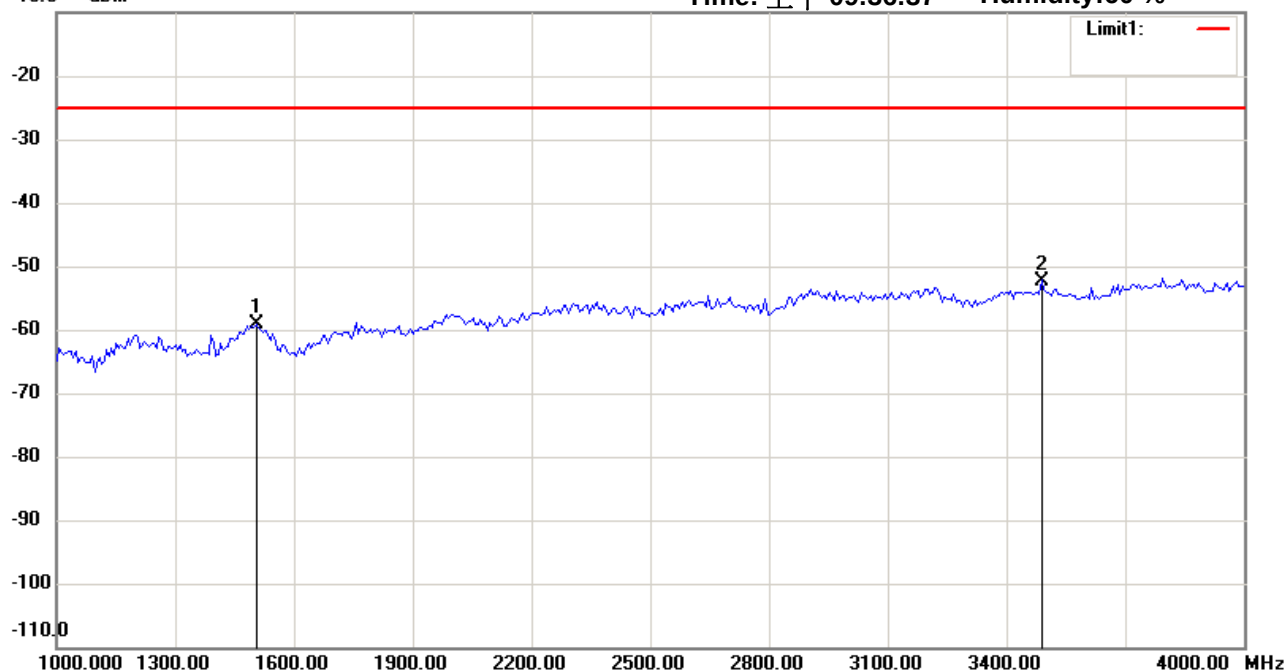
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:36:37

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 1505.010        | -61.18        | peak     | 1.98              | -59.20       | -25.00      | 150          | 300            | -34.20      |         |
| *   | 3488.978        | -60.58        | peak     | 8.33              | -52.25       | -25.00      | 150          | 210            | -27.25      |         |



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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#4

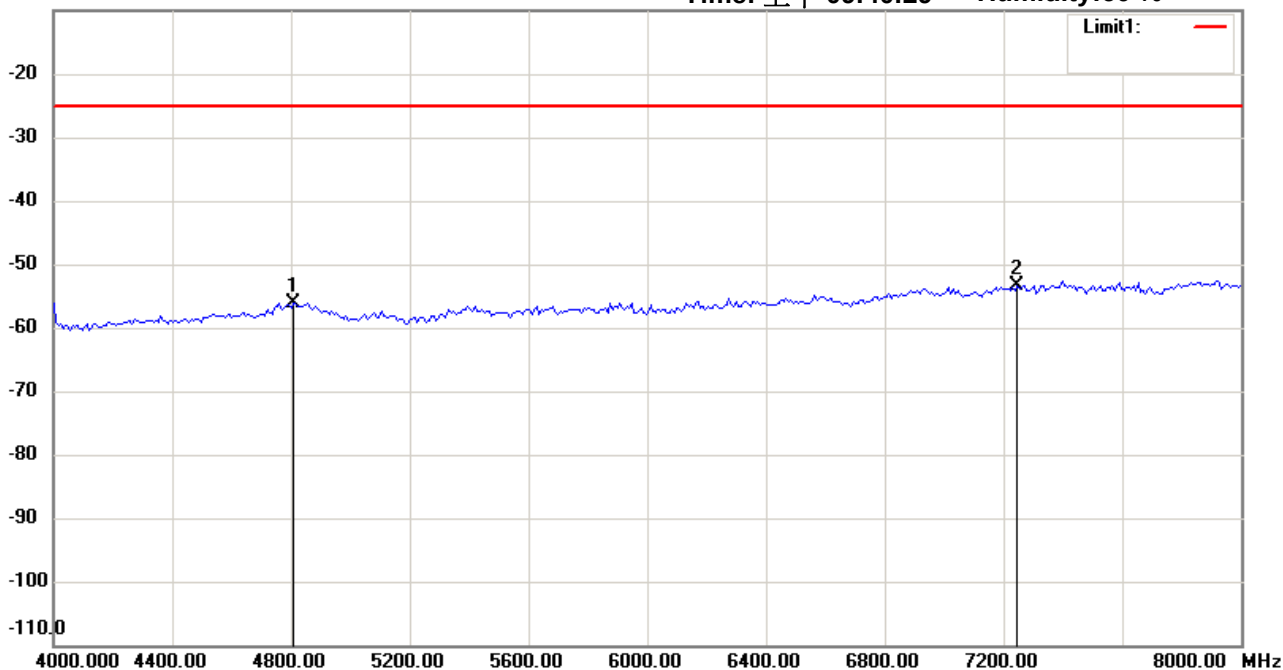
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:40:29

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: *Horizontal*

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4809.619        | -65.80        | peak     | 9.80              | -56.00       | -25.00      | 150          | 110            | -31.00      |         |
| *   | 7246.493        | -64.33        | peak     | 10.92             | -53.41       | -25.00      | 150          | 250            | -28.41      |         |

\*:Maximum data    x:Over limit    !:over margin





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# Radiated Emission Measurement

Operator: Rick

File :3

Data :#2

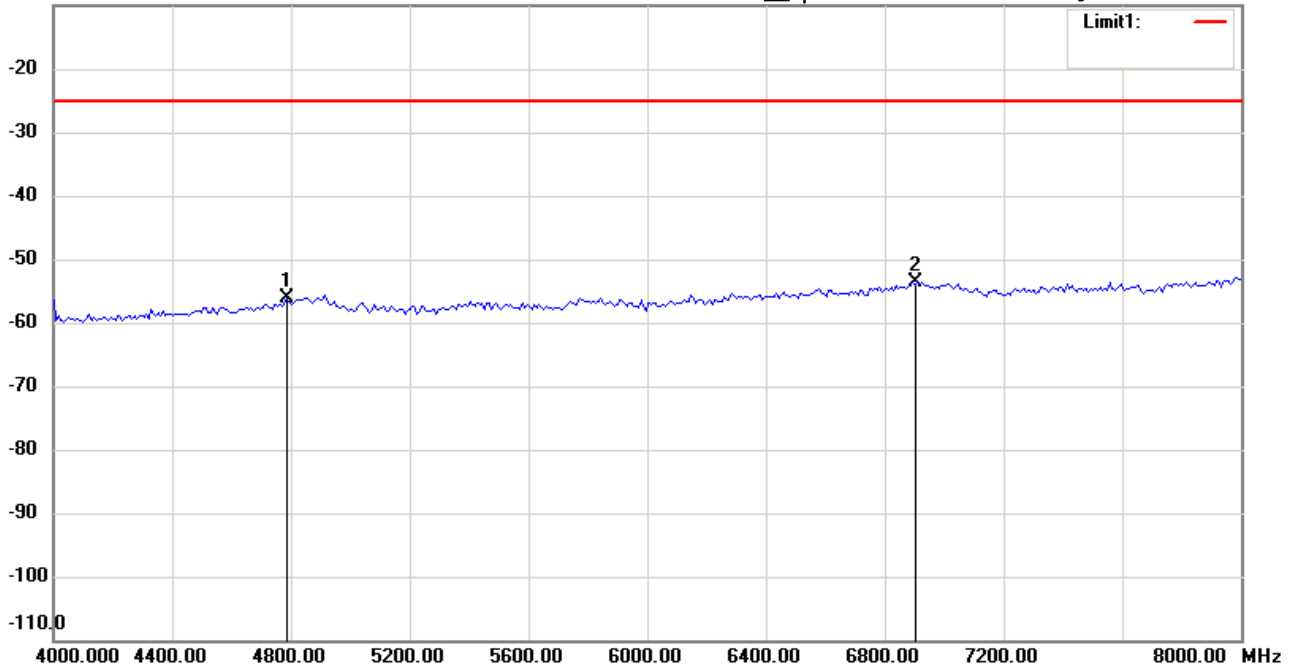
Date: 2015/2/24

Temperature:24 °C

-10.0 dBm

Time: 上午 09:37:39

Humidity:60 %



Site : Chamber

Condition : IC RSS-210 spurious emission

EUT : W6M21405-14188

M/N:

Test Mode : 697.9MHz

Note :

Polarization: **Vertical**

Power : 3.7Va.c.

Distance: 3m

| Mk. | Frequency (MHz) | Reading (dBm) | Detector | Corr. factor (dB) | Result (dBm) | Limit (dBm) | Ant.Pos (cm) | Tab.Pos (deg.) | Margin (dB) | Comment |
|-----|-----------------|---------------|----------|-------------------|--------------|-------------|--------------|----------------|-------------|---------|
|     | 4785.571        | -65.71        | peak     | 9.58              | -56.13       | -25.00      | 150          | 250            | -31.13      |         |
| *   | 6893.788        | -65.72        | peak     | 12.16             | -53.56       | -25.00      | 150          | 100            | -28.56      |         |

\*:Maximum data    x:Over limit    !:over margin