

**FCC PART 15 SUBPART C TEST REPORT**

**for**

**XP-Pen**

**Model No.: XPW-6370**

**FCC ID: YR3XPW-6370**

**of**

**Applicant: Yutron Co., Ltd.**

**Address: 6F., No.168-2, Liancheng Rd., Zhong He City,  
Taipei County 235, Taiwan**

**Tested and Prepared**

**by**

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

**FCC Registration No.: 930600**

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

**A2LA Accredited No.: 2732.01**



**Report No.: W6M21008-10873-P-15**

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.  
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: [wt@wt-lab.com](mailto:wt@wt-lab.com)



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## **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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Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

### **Tester:**

September 10, 2010

Danny Sung

Date

WTS-Lab.

Name

Signature

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

September 10, 2010

Chang Tse-Ming

Date

WTS

Name

Signature



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

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## **1.2 Testing laboratory**

### **1.2.1 Location**

OATS

No.5-1, Shuang Sing Village,  
LiShuei Rd., Wanli Township,  
Taipei County 207, Taiwan (R.O.C.)

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**



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

Name: ./.

Accredited number: ./.

Street: ./.

Town: ./.

Country: ./.

Telephone: ./.

Fax: ./.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

## **1.3 Details of approval holder**

|            |                                   |
|------------|-----------------------------------|
| Name:      | Yutron Co., Ltd.                  |
| Street:    | 6F., No.168-2, Liancheng Rd.,     |
| City:      | Zhong He City, Taipei County 235, |
| Country:   | Taiwan                            |
| Telephone: | +886-22481556                     |
| Fax:       | +886-22482878                     |
| Teletex:   | ./.                               |

## **1.4 Application details**

|                               |   |
|-------------------------------|---|
| Date of receipt of test item: | August 31, 2010                             |
| Date of test:                 | from September 1, 2010 to September 7, 2010 |

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

|                             |   |
|-----------------------------|---|
| Type of test item:          | XP-Pen  |
| Model Number:               | XPW-6370                                      |
| Multi-listing model number: | XPW-6370A / XPW-6370B / XPW-6370C / XPW-6370D |
| Brand Name:                 | XP-Pen  |
| Photos:                     | see Annex                                     |

## **Technical data**

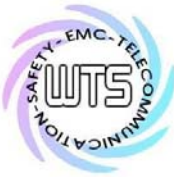
|                      |  |
|----------------------|--|
| Frequency band:      | 2.400-2.4835 GHz                         |
| Operation Frequency: | 2.410-2.472 GHz                          |
| Frequency 1:         | 2.410 GHz                                |
| Frequency 2:         | 2.436 GHz                                |
| Frequency 3:         | 2.472 GHz                                |
| Operation modes:     | half-duplex                              |
| Modulation Type:     | GFSK                                     |
| Antenna type:        | Printed antenna                          |
| Power supply:        | Battery 1.5 VDCx2<br>5 VDC (power on PC) |

## **Manufacturer: (if different from applicant)**

|                         |  |
|-------------------------|--|
| Name:                   | Shenzhen Doking Electronic Technology Co., Ltd |
| Street:                 | Dingfeng Hi-tech Estate, Shapu,                |
| Town:                   | Songgang Town, Baoan District, Shenzhen        |
| Country:                | China  |
| Additional information: | ./.  |

## **1.6 Test standards**

Technical standard : FCC RULES PART 15 SUBPART C § 15.249 (2009-10)



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## **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 2.5 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                           |
| Details Power supply:          | Battery 1.5 VDCx2<br>5 VDC (power on PC) |
| Extreme conditions parameters: | Not required                             |



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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          | 2010/9/2         | 2011/9/1       |
| ETSTW-CE 004 | ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK                     | ESH3-Z5          | 840731/011     | R&S          | 2010/3/2         | 2011/3/1       |
| ETSTW-CE 005 | Line-Impedance Stabilisation Network                                | NNBM 8126D       | 137            | Schwarzbeck  | 2010/9/8         | 2011/9/7       |
| ETSTW-CE 006 | IMPULSBEGRENZER PULSE LIMITER                                       | ESH3-Z2          | 100226         | R&S          | 2010/5/8         | 2011/5/7       |
| ETSTW-CE 007 | SPECTRUM ANALYZER 5GHz  | FSB              | 849670/001     | R&S          | Pre-test Use NCR |                |
| 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  | 2010/7/21        | 2011/7/19      |
| ETSTW-CE 015 | CISPR 22 TWO BALANCED TELECOM PAIRS IMPEDANCE STABILIZATION NETWORK | FCC-TLISN-T8-02  | 20307          | FCC          | 2010/9/6         | 2011/9/5       |
| ETSTW-RE 002 | Function Generator  | 33220A           | MY43004982     | Agilent      | Function Test    |                |
| ETSTW-RE 003 | EMI TEST RECEIVER   | ESI 26           | 831438/001     | R&S          | 2010/8/10        | 2011/8/9       |
| ETSTW-RE 004 | EMI TEST RECEIVER   | ESI 40           | 832427/004     | R&S          | 2010/9/8         | 2011/9/7       |
| ETSTW-RE 005 | EMI TEST RECEIVER   | ESVS10           | 843207/020     | R&S          | 2010/9/2         | 2011/9/1       |
| ETSTW-RE 006 | Attenuator 10dB   | 50HF-010-5N-1    | None           | STEP         | 2010/3/5         | 2011/3/4       |
| ETSTW-RE 010 | ABSORBING CLAMP   | MDS 21           | 3469           | Schwarzbeck  | 2010/9/6         | 2011/9/5       |
| 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           | 2010/9/8         | 2011/9/7       |
| ETSTW-RE 020 | MICROWAVE HORN ANTENNA  | AT4002A          | 306915         | AR           | Function Test    |                |
| ETSTW-RE 021 | SWEEP GENERATOR   | SWM05            | 835130/010     | R&S          | 2010/8/20        | 2011/8/19      |
| ETSTW-RE 027 | Passive Loop Antenna  | 6512             | 00034563       | EMCO         | 2010/7/22        | 2011/7/21      |
| ETSTW-RE 028 | Log-Periodic Dipole Array Antenna                                   | 3148             | 34429          | EMCO         | 2010/4/14        | 2011/4/13      |
| ETSTW-RE 029 | Biconical Antenna   | 3109             | 33524          | EMCO         | 2010/4/14        | 2011/4/13      |
| ETSTW-RE 030 | Double-Ridged Guide Horn Antenna                                    | 3117             | 00035224       | EMCO         | 2010/3/2         | 2011/3/1       |
| ETSTW-RE 032 | Millivoltmeter  | URV 55           | 849086/013     | R&S          | 2010/8/17        | 2011/8/16      |
| ETSTW-RE 033 | WaveRunner 6000A Serie Oscilloscope                                 | WAVERUNNER 6100A | LCRY0604P14508 | LeCroy       | Function Test    |                |
| ETSTW-RE 034 | Power Sensor  | URV5-Z4          | 839313/006     | R&S          | 2010/8/17        | 2011/8/16      |
| ETSTW-RE 042 | Biconical Antenna   | HK116            | 100172         | R&S          | 2010/1/13        | 2011/1/12      |
| ETSTW-RE 043 | Log-Periodic Dipole Antenna   | HL223            | 100166         | R&S          | 2010/4/29        | 2011/4/28      |
| ETSTW-RE 044 | Log-Periodic Antenna  | HL050            | 100094         | R&S          | 2010/5/11        | 2011/5/10      |
| ETSTW-RE 047 | PSA SERIES SPECTRUM ANALYZER  | E4445A           | MY46181369     | Agilent      | Pre-test Use NCR |                |
| ETSTW-RE 048 | Triple Loop Antenna   | HXYZ 9170        | HXYZ 9170-134  | Schwarzbeck  | 2010/8/30        | 2011/8/29      |
| ETSTW-RE 049 | TRILOG Super Broadband test Antenna                                 | VULB 9160        | 9160-3185      | Schwarzbeck  | 2010/4/13        | 2011/4/12      |
| ETSTW-RE 051 | Attenuator 6dB  | 50HF-006-1       | None           | JFW          | 2010/3/5         | 2011/3/4       |



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|                 |                                      |  |                |                          |   |            |
|-----------------|--------------------------------------|--|----------------|--------------------------|---|------------|
| ETSTW-RE 053    | Attenuator 3dB                       | 50HF-003-1                             | None           | JFW                      | 2010/3/5                                    | 2011/3/4   |
| ETSTW-RE 055    | SPECTRUM ANALYZER                    | FSU 26                                 | 200074         | R&S                      | 2010/6/3                                    | 2011/6/2   |
| ETSTW-RE 060    | Attenuator 30dB                      | 5015-30                                | F651012z-01    | ATM                      | Pre-test Use NCR                            |            |
| ETSTW-RE 061    | Amplifier Module                     | CHC 1                                  | None           | ETS                      | 2009/11/12                                  | 2010/11/11 |
| ETSTW-RE 062    | Amplifier Module                     | CHC 2                                  | None           | KMIC                     | 2009/11/12                                  | 2010/11/11 |
| ETSTW-RE 064    | Bluetooth Test Set                   | MT8852B-042                            | 6K00005709     | Anritsu                  | Function Test                               |            |
| ETSTW-RE 065    | Amplifier                            | AMF-6F-18002650-25-10P                 | 941608         | MITEQ                    | 2010/4/13                                   | 2011/4/12  |
| ETSTW-RE 066    | Highpass Filter                      | H1G013G1                               | 206015         | MICROWAVE CIRCUITS, INC. | 2010/3/5                                    | 2011/3/4   |
| ETSTW-RE 072    | CELL SITE TEST SET                   | 8921A                                  | 3339A00375     | HP                       | 2009/10/2                                   | 2010/10/1  |
| ETSTW-RE 073    | Power Meter                          | N1911A                                 | MY45100769     | Agilent                  | 2010/1/7                                    | 2011/1/6   |
| ETSTW-RE 074    | Power Sensor                         | N1921A                                 | MY45241198     | Agilent                  | 2010/1/7                                    | 2011/1/6   |
| ETSTW-RE 081    | Highpass Filter                      | H03G13G1                               | 4260-02 DC0428 | MICROWAVE CIRCUITS, INC. | 2010/3/5                                    | 2011/3/4   |
| ETSTW-RE 096    | SIGNAL GENERATOR                     | SMIQ 03B                               | 102274         | R&S                      | 2010/5/31                                   | 2011/5/30  |
| ETSTW-RE 099    | DC Block                             | 50DB-007-1                             | None           | JFW                      | 2010/3/5                                    | 2011/3/4   |
| ETSTW-RE 105    | 2.4GHz Notch Filter                  | NO124411                               | 39555          | MICROWAVE CIRCUITS, INC. | 2010/3/25                                   | 2011/3/24  |
| ETSTW-RE 106    | Humidity Temperature Meter           | TES-1366                               | 091011113      | TES                      | 2010/3/25                                   | 2011/3/24  |
| ETSTW-GSM 002   | Universal Radio Communication Tester | CMU 200                                | 109439         | R&S                      | 2010/9/8                                    | 2011/9/7   |
| ETSTW-GSM 019   | Band Reject Filter                   | WRCTF824/849-822/851-40/12+9SS         | 3              | WI                       | Function Test                               |            |
| ETSTW-GSM 020   | Band Reject Filter                   | WRCD1747/1748-1743/1752-32/5SS         | 1              | WI                       | Function Test                               |            |
| ETSTW-GSM 021   | Band Reject Filter                   | WRCD1879.5/1880.5-1875.5/1884.5-32/5SS | 3              | WI                       | Function Test                               |            |
| ETSTW-GSM 022   | Band Reject Filter                   | WRCT901.9/903.1-904.25-50/8SS          | 1              | WI                       | Function Test                               |            |
| ETSTW-GSM 023   | Power Divider                        | 4901.19.A                              | None           | SUHNER                   | 2010/9/8                                    | 2011/9/7   |
| ETSTW-Cable 002 | Microwave Cable                      | SUCOFLEX 104 (S_Cable 7)               | 238093         | HUBER+SUHNER             | 2010/9/8                                    | 2011/9/7   |
| ETSTW-Cable 003 | Microwave Cable                      | SUCOFLEX 104 (S_Cable 11)              | 209953         | HUBER+SUHNER             | 2010/9/8                                    | 2011/9/7   |
| ETSTW-Cable 006 | Microwave Cable                      | SUCOFLEX 104 (S_Cable 8)               | 238095         | HUBER+SUHNER             | 2010/3/5                                    | 2011/3/4   |
| ETSTW-Cable 010 | BNC Cable                            | 5 M BNC Cable                          | None           | JYE BAO CO.,LTD.         | 2010/3/5                                    | 2011/3/4   |
| ETSTW-Cable 011 | BNC Cable                            | BNC Cable 1                            | None           | JYE BAO CO.,LTD.         | 2010/8/19                                   | 2011/8/18  |
| ETSTW-Cable 012 | BNC Cable                            | BNC Cable 2                            | None           | JYE BAO CO.,LTD.         | 2010/8/19                                   | 2011/8/18  |
| ETSTW-Cable 013 | Microwave Cable                      | SUCOFLEX 104 (S_Cable 5)               | 232345         | HUBER+SUHNER             | 2010/3/5                                    | 2011/3/4   |
| ETSTW-Cable 022 | N TYPE Cable                         | OATS Cable 3                           | 0002           | JYE BAO CO.,LTD.         | 2010/3/5                                    | 2011/3/4   |
| ETSTW-Cable 039 | Microwave Cable                      | SUCOFLEX 104 (S_Cable 19)              | 316739         | HUBER+SUHNER             | 2010/3/5                                    | 2011/3/4   |
| WTSTW-SW 001    | EMI TEST SOFTWARE                    | Harmonics-1000                         | None           | EMC PARTNER              | HARCS Version 4.16<br>Firmware Version 2.18 |            |
| WTSTW-SW 002    | EMI TEST SOFTWARE                    | EZ_EMG                                 | None           | Farad                    | Version ETS-03A1                            |            |
| WTSTW-SW 003    | EMS TEST SOFTWARE                    | i2                                     | None           | AUDIX                    | Version 3.2007-8-17b                        |            |
| WTSTW-SW 005    | GSM Fading Level Correction          | GSMFadLevCor                           | None           | R&S                      | Version 1.66                                |            |





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## **2.4 General Test Procedure**

**POWER LINE CONDUCTED INTERFERENCE:** The procedure used was ANSI STANDARD C63.4-2003 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 C63.4-2003 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 100kHz 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.

**FORMULA OF CONVERSION FACTORS:** The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB $\mu$ V) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

|            |  |
|------------|--|
| Freq (MHz) | METER READING + ACF + CABLE LOSS (to the receiver) = FS  |
| 33         | 20 dB $\mu$ V + 10.36 dB + 6 dB = 36.36 dB $\mu$ V/m @3m |

**ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES:** The EUT was placed on a table 80 cm height and with dimensions of 1m by 1.5m (non metallic table). The EUT was placed in the centre of the table. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to 10<sup>th</sup> harmonic of the fundamental.

Peak readings were taken in three (3) orthogonal planes and the highest readings.

Measurements were made by Worldwide Testing Services(Taiwan) Co., Ltd. at the registered open field test site located at No.5-1, Shuang Sing Village, LiShuei Rd., Wanli Township, Taipei County 207, Taiwan (R.O.C.) The Registration Number: 930600.

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.



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**3 Test results (enclosure)**

| Test case  | Para. Number | Required                            | Test passed                         | Test failed              |
|--|--------------|-------------------------------------|-------------------------------------|--------------------------|
| Peak Output Power  | 15.249 (a)   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious Emissions radiated – Transmitter operating            | 15.249 (e)   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spurious Emissions conducted – Transmitter operating           | 15.249 (e)   | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| Radiated Emission from Digital Part                            | 15.109       | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| Out of Band Spurious Emission, Band edge-Transmitter operating | 15.249 (e)   | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Power Line Conducted Emission                                  | 15.207       | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

The follows is intended to leave blank.



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## 3.1 Peak Output Power (transmitter)

FCC Rule: 15.249 (b)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

Model: XPW-6370 Date: 2010/9/2  
Mode: TX Power 2410MHz Temperature: 30.1 °C Engineer: Danny  
Polarization: Horizontal Humidity: 52 %

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 2409.6270          | 57.40             | ---  | 32.13                   | 89.53                  | ---  | 114.00                | 94.00 | -24.47         | 145                       | 150                  |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 2409.7560          | 47.48             | ---  | 32.14                   | 79.62                  | ---  | 114.00                | 94.00 | -34.38         | 140                       | 150                  |

Mode: 2436MHz  
Polarization: Horizontal

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 2435.5470          | 55.42             | ---  | 32.23                   | 87.65                  | ---  | 114.00                | 94.00 | -26.35         | 130                       | 150                  |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 2436.0520          | 45.12             | ---  | 32.23                   | 77.35                  | ---  | 114.00                | 94.00 | -36.65         | 130                       | 150                  |

Mode: 2472MHz  
Polarization: Horizontal

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 2471.5870          | 52.06             | ---  | 32.36                   | 84.42                  | ---  | 114.00                | 94.00 | -29.58         | 155                       | 150                  |



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Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 2471.6510          | 42.64             | ---  | 32.36                   | 75.00                  | ---  | 114.00                | 94.00 | -39.00         | 130                       | 150                  |

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028,  
ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043,  
ETSTW-RE 044

Explanation: Please see attached diagram as appendix.



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### **3.2 Equivalent isotropic radiated power**

Because using an permanent antenna there are no deviations from the radiated test results according 3.1.

### **3.3 RF Exposure Compliance Requirements**

Not applicable for this XP-Pen for the low power level.

### **3.4 Out of Band Radiated Emissions**

FCC Rule: 15.249 (d)(e), 15.35(b)

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

For frequency above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

Limits:

| Frequency of Emission<br>(MHz) | Field strength<br>(microvolts/meter) | Field Strength<br>(dB microvolts/meter) |
|--------------------------------|--------------------------------------|---|
| 30 - 88                        | 100                                  | 40.0                                    |
| 88 – 216                       | 150                                  | 43.5                                    |
| 216 – 960                      | 200                                  | 46.5                                    |
| Above 960                      | 500                                  | 54.0                                    |

For frequencies above 1 GHz (Peak measurements).

Limit + 20 dB      $54.0 \text{ dB}\mu\text{V/m} + 20 \text{ dB} = 74\text{dB}\mu\text{V/m}$

Or

Must be attenuated at least 50dB below the level of fundament

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028,  
ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043,  
ETSTW-RE 044

Explanation: Please see attached diagram as appendix.



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## 3.5 Spurious emission (tx)

Spurious emission was measured with modulation (declared by manufacturer).

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

For frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For point-to-point operation, the peak field strength shall not exceed 2500 millivolts/meter at 3 meters along the antenna azimuth.

SAMPLE CALCULATION OF LIMIT. ALL results will be updated by an automatic measuring system in accordance with point 2.3.

The peak and average spurious emission plots was measured with the average limits.

The critical peak value listed in the table agree with the above calculated limits.

### Summary table with radiated data of the test plots

Model: XPW-6370 Date: 2010/9/2  
 Mode: TX 2410MHz Temperature: 30.1 °C Engineer: Danny  
 Polarization: Horizontal Humidity: 52 %

| Frequency (MHz) | Reading (dBUV) | Detector | Factor (dB) | Result (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|-----------------|----------------|----------|-------------|-----------------|----------------|-------------|---------------------|----------------|
| 296.2124        | 15.15          | peak     | 16.14       | 31.29           | 46.00          | -14.71      | 110                 | 150            |
| 877.9560        | 10.98          | peak     | 27.28       | 38.26           | 46.00          | -7.74       | 120                 | 150            |

| Frequency (MHz) | Reading (dBUV) |      | Factor (dB) Corr. | Result @3m (dBUV/m) |      | Limit @3m (dBUV/m) |       | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|-----------------|----------------|------|-------------------|---------------------|------|--------------------|-------|-------------|---------------------|----------------|
|                 | Peak           | Ave. |                   | Peak                | Ave. | Peak               | Ave.  |             |                     |                |
| 4817.6350       | 52.09          | ---  | -4.95             | 47.14               | ---  | 74.00              | 54.00 | -26.86      | 140                 | 150            |
| 7230.0000       | 47.73          | ---  | -2.34             | 45.39               | ---  | 74.00              | 54.00 | -28.61      | 130                 | 150            |
| 9640.0000       | 29.88          | ---  | 12.87             | 42.75               | ---  | 74.00              | 54.00 | -31.25      | 140                 | 150            |
| 12050.0000      | 30.08          | ---  | 15.91             | 45.99               | ---  | 74.00              | 54.00 | -28.01      | 150                 | 150            |

Polarization: Vertical

| Frequency (MHz) | Reading (dBUV) | Detector | Factor (dB) | Result (dBUV/m) | Limit (dBUV/m) | Margin (dB) | Table Degree (Deg.) | Ant. High (cm) |
|-----------------|----------------|----------|-------------|-----------------|----------------|-------------|---------------------|----------------|
| 300.0000        | 14.98          | peak     | 16.23       | 31.21           | 46.00          | -14.79      | 110                 | 150            |
| 879.3587        | 11.47          | peak     | 27.31       | 38.78           | 46.00          | -7.22       | 120                 | 150            |



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| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 4820.0000          | 46.80             | ---  | -4.95                   | 41.85                  | ---  | 74.00                 | 54.00 | -32.15         | 130                       | 150                  |
| 7230.0000          | 47.53             | ---  | -2.34                   | 45.19                  | ---  | 74.00                 | 54.00 | -28.81         | 150                       | 150                  |
| 9640.0000          | 30.35             | ---  | 12.87                   | 43.22                  | ---  | 74.00                 | 54.00 | -30.78         | 140                       | 150                  |
| 12050.0000         | 30.58             | ---  | 15.91                   | 46.49                  | ---  | 74.00                 | 54.00 | -27.51         | 160                       | 150                  |

Mode: TX 2436MHz

Polarization: Horizontal

| Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 294.5892           | 14.64             | peak     | 16.09          | 30.73              | 46.00             | -15.27         | 105                       | 150                  |
| 877.9560           | 10.36             | peak     | 27.28          | 37.64              | 46.00             | -8.36          | 130                       | 150                  |

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 4857.7160          | 54.27             | ---  | -4.89                   | 49.38                  | ---  | 74.00                 | 54.00 | -24.62         | 135                       | 150                  |
| 7308.0000          | 47.12             | ---  | -2.75                   | 44.37                  | ---  | 74.00                 | 54.00 | -29.63         | 145                       | 150                  |
| 9744.0000          | 29.71             | ---  | 12.78                   | 42.49                  | ---  | 74.00                 | 54.00 | -31.51         | 140                       | 150                  |
| 12180.0000         | 31.08             | ---  | 16.38                   | 47.46                  | ---  | 74.00                 | 54.00 | -26.54         | 130                       | 150                  |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 298.3768           | 14.79             | peak     | 16.19          | 30.98              | 46.00             | -15.02         | 100                       | 150                  |
| 879.3587           | 10.39             | peak     | 27.31          | 37.70              | 46.00             | -8.30          | 130                       | 150                  |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 4872.0000          | 47.40             | ---  | -4.86                   | 42.54                  | ---  | 74.00                 | 54.00 | -31.46         | 145                       | 150                  |
| 7308.0000          | 48.03             | ---  | -2.75                   | 45.28                  | ---  | 74.00                 | 54.00 | -28.72         | 155                       | 150                  |
| 9744.0000          | 30.34             | ---  | 12.78                   | 43.12                  | ---  | 74.00                 | 54.00 | -30.88         | 140                       | 150                  |
| 12180.0000         | 31.79             | ---  | 16.38                   | 48.17                  | ---  | 74.00                 | 54.00 | -25.83         | 130                       | 150                  |

Mode: TX 2472MHz

Polarization: Horizontal

| Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 297.8357           | 15.67             | peak     | 16.18          | 31.85              | 46.00             | -14.15         | 100                       | 150                  |
| 877.9560           | 9.20              | peak     | 27.28          | 36.48              | 46.00             | -9.52          | 125                       | 150                  |



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Polarization: Horizontal

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 4985.9720          | 50.39             | ---  | -5.08                   | 45.31                  | ---  | 74.00                 | 54.00 | -28.69         | 130                       | 150                  |
| 7416.0000          | 47.48             | ---  | -3.17                   | 44.31                  | ---  | 74.00                 | 54.00 | -29.69         | 140                       | 150                  |
| 9888.0000          | 30.20             | ---  | 13.04                   | 43.24                  | ---  | 74.00                 | 54.00 | -30.76         | 140                       | 150                  |
| 12360.0000         | 31.47             | ---  | 16.49                   | 47.96                  | ---  | 74.00                 | 54.00 | -26.04         | 150                       | 150                  |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBuV) | Detector | Factor<br>(dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|----------|----------------|--------------------|-------------------|----------------|---------------------------|----------------------|
| 294.5892           | 14.91             | peak     | 16.09          | 31.00              | 46.00             | -15.00         | 105                       | 150                  |
| 877.9560           | 10.68             | peak     | 27.28          | 37.96              | 46.00             | -8.04          | 140                       | 150                  |

Polarization: Vertical

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |       | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(cm) |
|--------------------|-------------------|------|-------------------------|------------------------|------|-----------------------|-------|----------------|---------------------------|----------------------|
|                    | Peak              | Ave. |                         | Peak                   | Ave. | Peak                  | Ave.  |                |                           |                      |
| 4944.0000          | 46.89             | ---  | -4.95                   | 41.94                  | ---  | 74.00                 | 54.00 | -32.06         | 135                       | 150                  |
| 7416.0000          | 48.23             | ---  | -3.17                   | 45.06                  | ---  | 74.00                 | 54.00 | -28.94         | 150                       | 150                  |
| 9888.0000          | 30.67             | ---  | 13.04                   | 43.71                  | ---  | 74.00                 | 54.00 | -30.29         | 140                       | 150                  |
| 12360.0000         | 30.52             | ---  | 16.49                   | 47.01                  | ---  | 74.00                 | 54.00 | -26.99         | 150                       | 150                  |

- Note**
1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
  2. **The formula of measured value as: Test Result = Reading + Correction Factor**
  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. **See the attached diagram as appendix.**

**TEST RESULT (Transmitter):** The unit DOES meet the FCC requirements.

Test equipment used: ETSTW-RE 055





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### **3.6 Radiated Emissions from Digital Part**

#### **Summary table with radiated data of the test plots**

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

| Frequency of Emission<br>(MHz) | Field Strength<br>(microvolts/meter) | Field Strength<br>(dBmicrovolts/meter) |
|--------------------------------|--------------------------------------|--|
| 30 – 88                        | 100                                  | 40.0                                   |
| 88 – 216                       | 150                                  | 43.5                                   |
| 216 – 960                      | 200                                  | 46.0                                   |
| Above 960                      | 500                                  | 54.0                                   |

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 028, ETSTW-RE 029,  
ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043, ETSTW-RE 044

Explanation: The test results are listed in the separated test report no.: W6M21008-10873-P-15B.



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### **3.7 Radiated Emission on the band edge**

From the following plots, they show that the fundamental emissions are confined in the specified band and hey at least 50 dB below the carrier level at band edge (2400 and 2483.5 MHz). It meets the requirement of section 15.249(d).

| Test conditions<br>Tnom = 23°C, Vnom = 120V<br>Frequency [MHz] | Transmitter field strength of<br>Radiated Emission | Transmitter field strength of<br>Radiated Emission |
|--|--|--|
|  | (Average Detector)<br>[dBμV/m]                     | (Peak Detector)<br>[dBμV/m]                        |
| 2400   | 34.46  | 54.69  |
| 2483.5   | 35.41  | 50.44  |

Limit:

| Frequency Range (MHz) | Limit (dBμV/m) |         |
|-----------------------|----------------|---------|
|                       | Peak           | Average |
| 902 – 928             | 74             | 54      |
| 2400 – 2483.5         |                |         |
| 5725 – 5875           |                |         |
| 24000 - 24250         |                |         |

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 018, ETSTW-RE 028,  
ETSTW-RE 029, ETSTW-RE 030, ETSTW-RE 042, ETSTW-RE 043,  
ETSTW-RE 044

Explanation: Please see attached diagram as appendix.



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## 3.8 Power Line Conducted Emission

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.

| Frequency | Level (dBμV)     |                  |
|-----------|------------------|------------------|
|           | quasi-peak       | average          |
| 150 kHz   | lower limit line | Lower limit line |

Model: XPW-6370 Date: 2010/9/7  
 Mode: Temperature: 24 °C Engineer: Danny  
 Polarization: N Humidity: 60 %

| Frequency<br>(MHz) | Reading<br>(dBuV) |       | Factor<br>(dB)<br>Corr. | Result<br>(dBuV) |       | Limit<br>(dBuV) |       | Margin<br>(dB) |
|--------------------|-------------------|-------|-------------------------|------------------|-------|-----------------|-------|----------------|
|                    | QP                | Ave.  |                         | QP               | Ave.  | QP              | Ave.  |                |
| 0.2000             | 40.28             | 34.24 | 10.77                   | 51.05            | 45.01 | 63.61           | 53.61 | -8.60          |
| 0.2690             | 37.85             | 33.48 | 10.72                   | 48.57            | 44.20 | 61.15           | 51.15 | -6.95          |
| 0.3350             | 38.75             | 36.60 | 10.72                   | 49.47            | 47.32 | 59.33           | 49.33 | -2.01          |
| 0.4690             | 38.31             | 33.62 | 10.64                   | 48.95            | 44.26 | 56.53           | 46.53 | -2.27          |
| 0.5370             | 35.29             | 32.94 | 10.65                   | 45.94            | 43.59 | 56.00           | 46.00 | -2.41          |
| 0.8040             | 30.55             | 29.03 | 10.49                   | 41.04            | 39.52 | 56.00           | 46.00 | -6.48          |

Polarization: L1

| Frequency<br>(MHz) | Reading<br>(dBuV) |       | Factor<br>(dB)<br>Corr. | Result<br>(dBuV) |       | Limit<br>(dBuV) |       | Margin<br>(dB) |
|--------------------|-------------------|-------|-------------------------|------------------|-------|-----------------|-------|----------------|
|                    | QP                | Ave.  |                         | QP               | Ave.  | QP              | Ave.  |                |
| 0.2020             | 40.50             | 34.19 | 10.78                   | 51.28            | 44.97 | 63.53           | 53.53 | -8.56          |
| 0.2690             | 38.59             | 33.55 | 10.73                   | 49.32            | 44.28 | 61.15           | 51.15 | -6.87          |
| 0.3378             | 37.97             | 35.62 | 10.72                   | 48.69            | 46.34 | 59.26           | 49.26 | -2.92          |
| 0.3977             | 35.97             | 33.92 | 10.63                   | 46.60            | 44.55 | 57.90           | 47.90 | -3.35          |
| 0.4720             | 36.43             | 32.76 | 10.64                   | 47.07            | 43.40 | 56.48           | 46.48 | -3.08          |
| 0.5350             | 34.93             | 32.35 | 10.65                   | 45.58            | 43.00 | 56.00           | 46.00 | -3.00          |

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 = ± 1.30dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
6. See attached diagrams as appendix.



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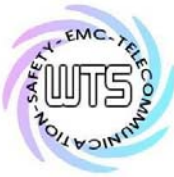
FCC ID: YR3XPW-6370

**Limits:**

| Frequency of Emission (MHz) | Conducted Limit (dBuV) |          |
|-----------------------------|------------------------|----------|
|                             | Quasi Peak             | Average  |
| 0.15-0.5                    | 66 to 56               | 56 to 46 |
| 0.5-5                       | 56                     | 46       |
| 5-30                        | 60                     | 50       |

Test equipment used: ETSTW-CE 001, ETSTW-CE 004, ETSTW-CE 006

Explanation: Please see attached diagram as appendix.



## **Appendix**

### **A Measurement diagrams**

1. Fundamental Field Strength
2. Spurious Emissions radiated
3. Radiated Emission on the band edge
4. Power Line Conducted Emission



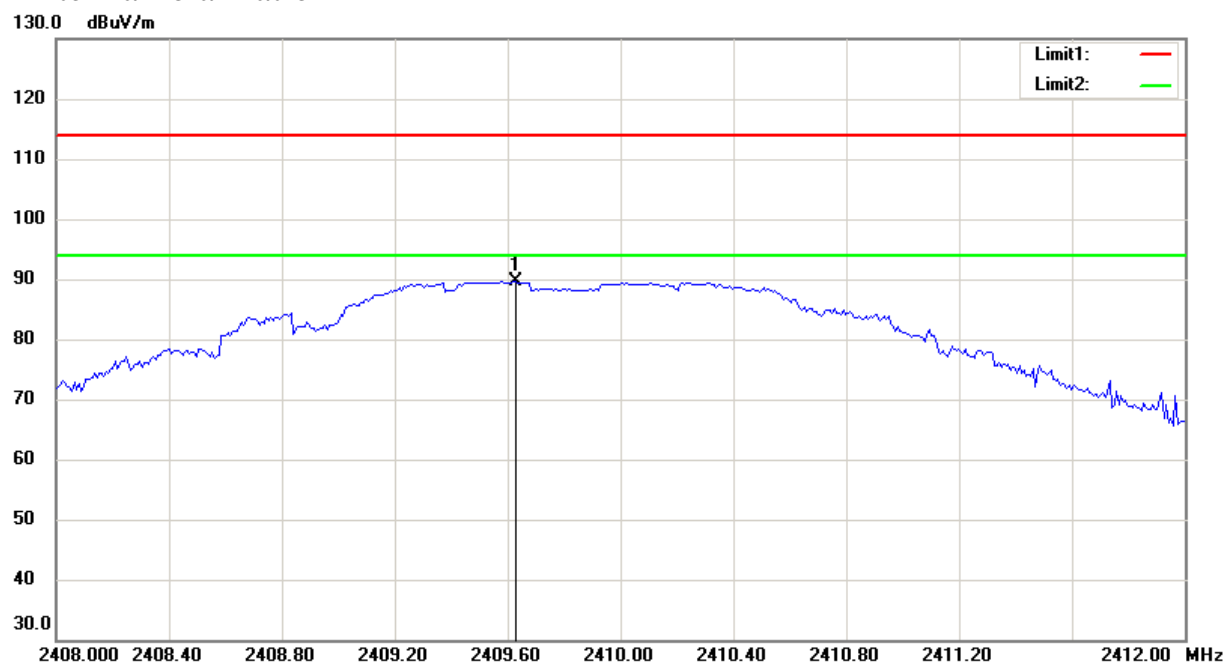
Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

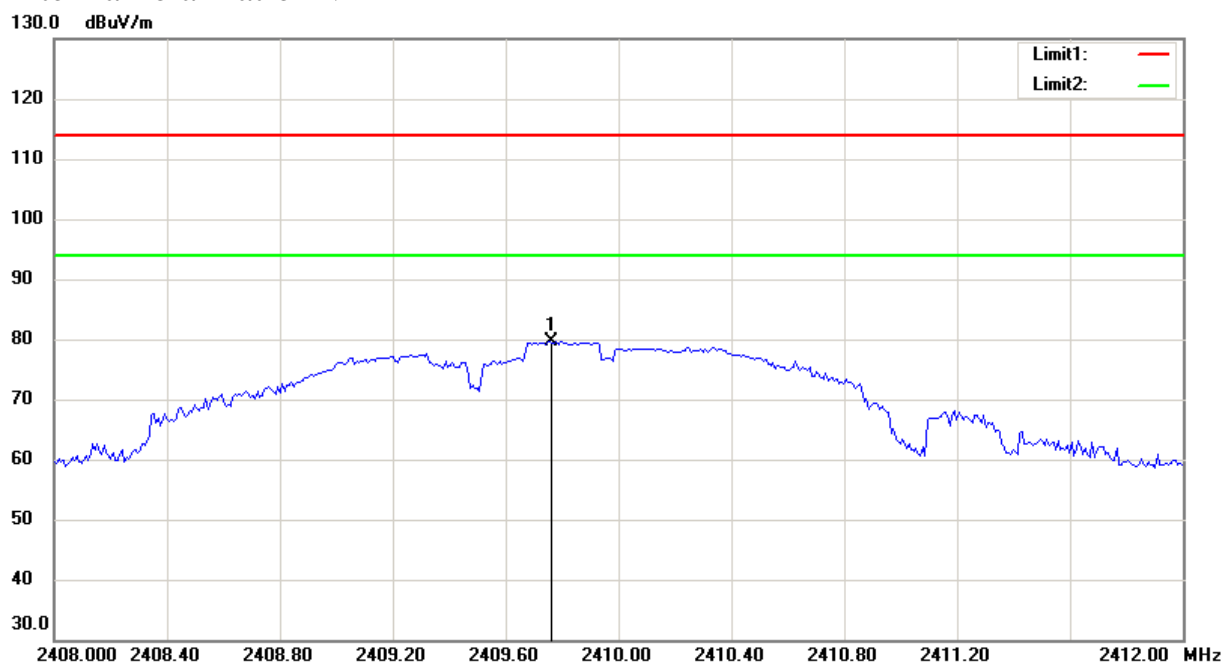
Fundamental Field Strength

2410 MHz

Antenna Polarization H



Antenna Polarization V



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of fundamental field strength test data of this test report.



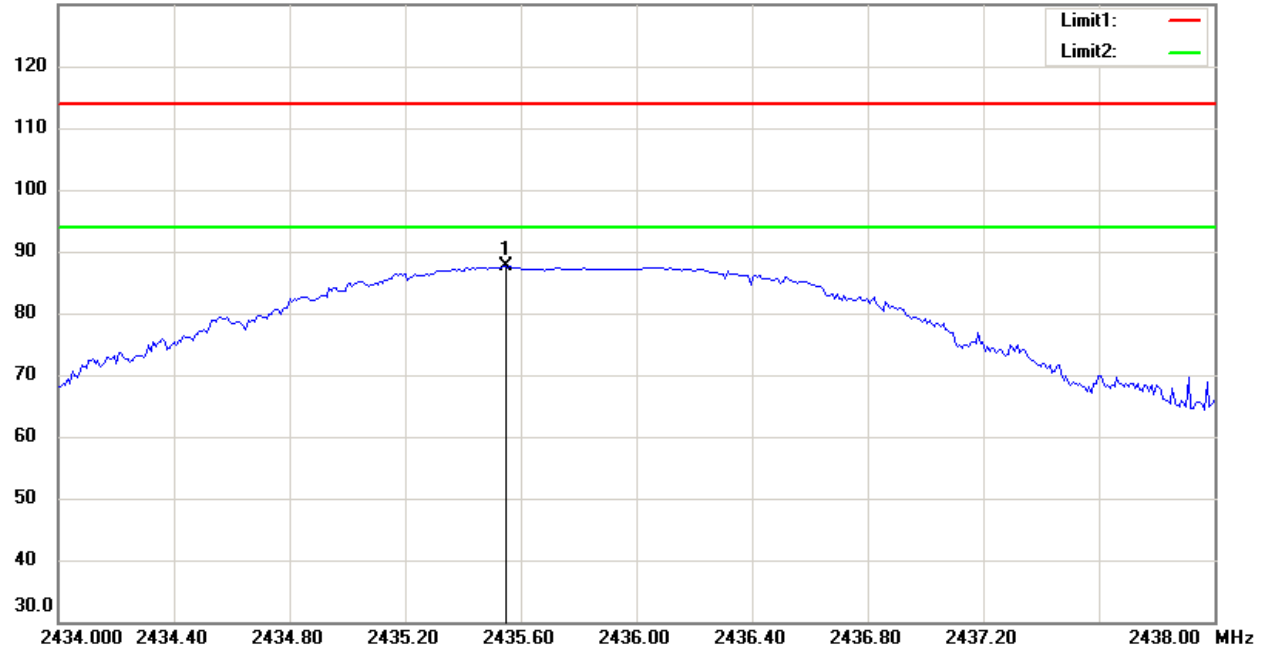
Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

2436 MHz

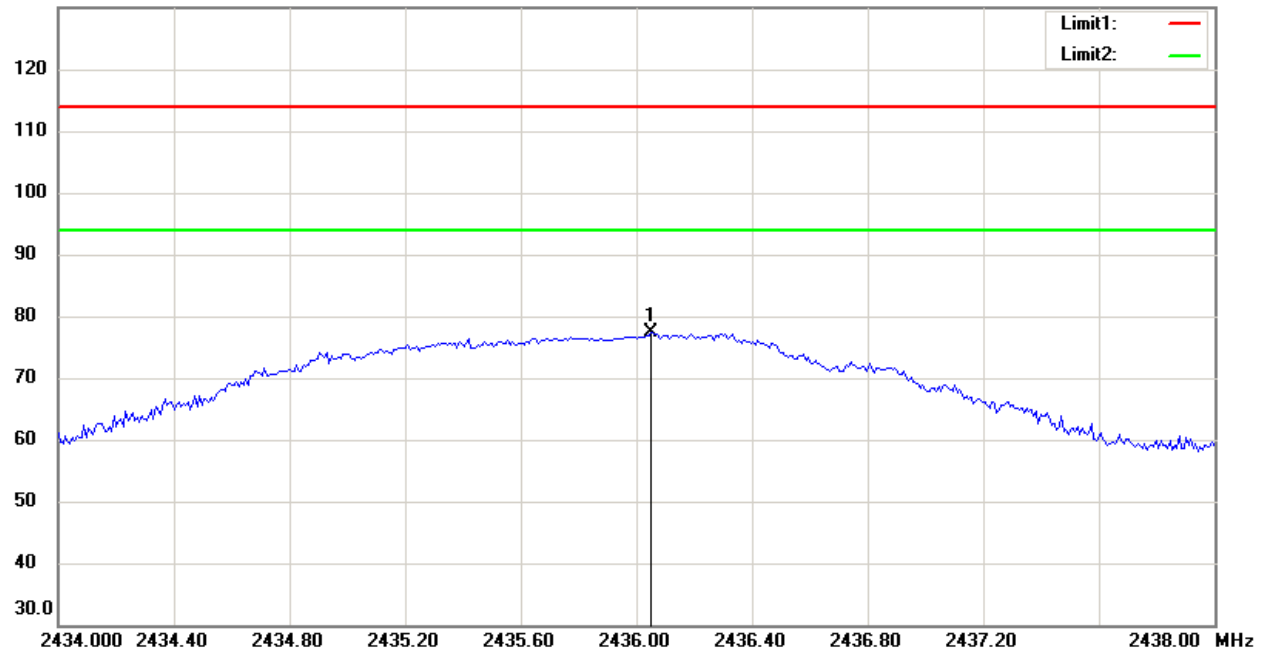
Antenna Polarization H

130.0 dBuV/m



Antenna Polarization V

130.0 dBuV/m



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of fundamental field strength test data of this test report.



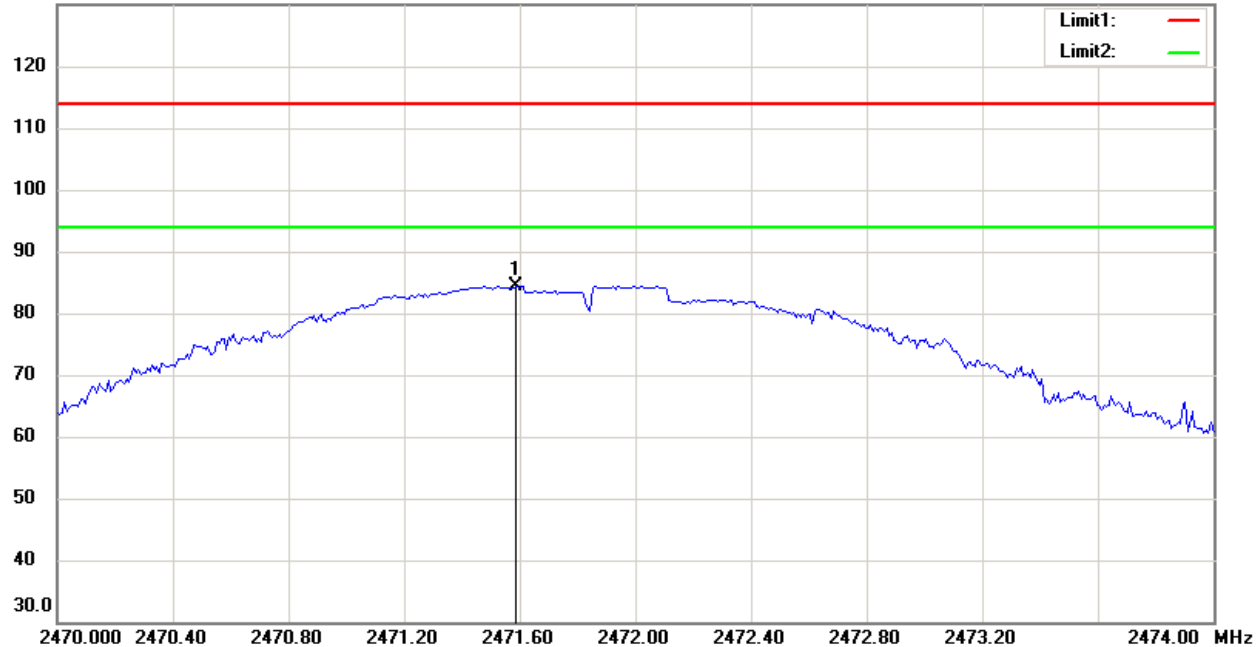
Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

2472 MHz

Antenna Polarization H

130.0 dBuV/m



Antenna Polarization V

120.0 dBuV/m



Up Line: Peak Limit Line Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of fundamental field strength test data of this test report.





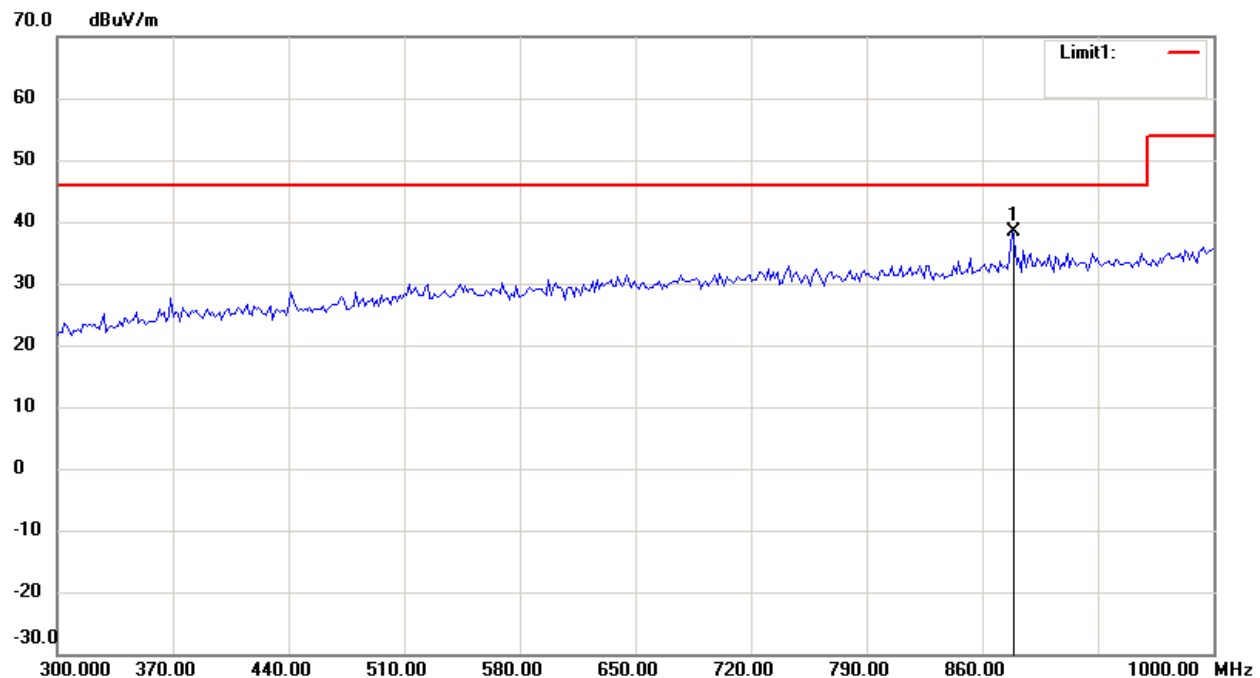
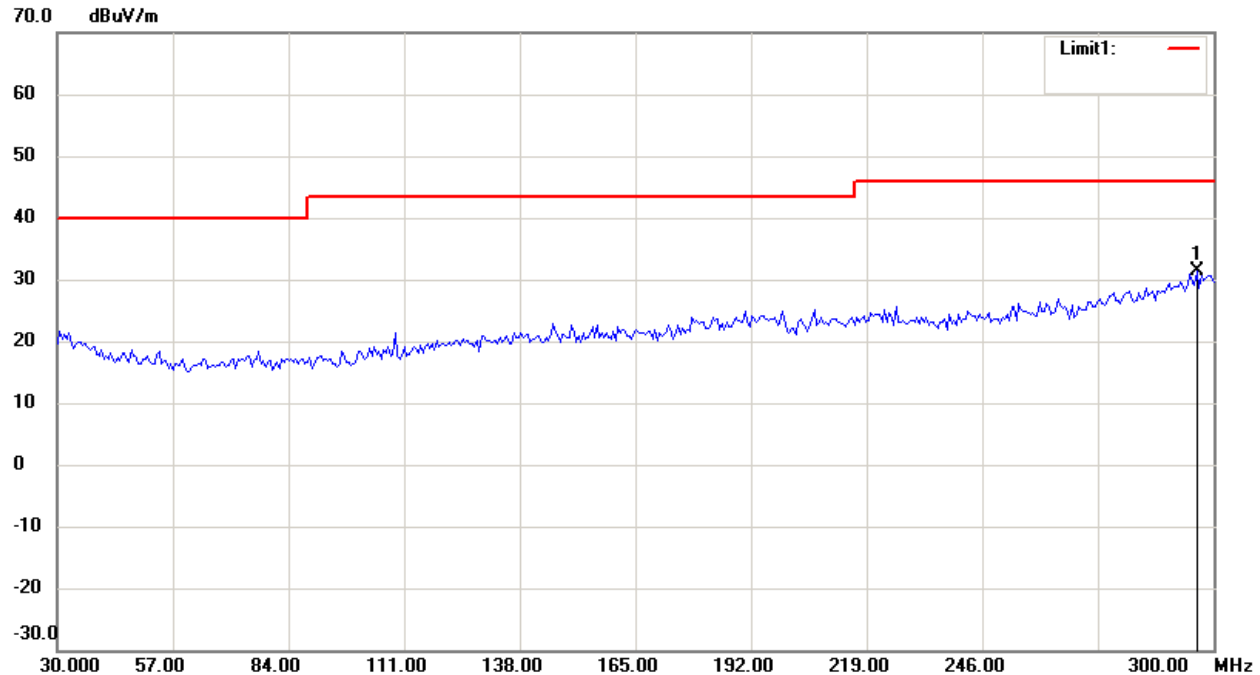
Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

Spurious Emissions radiated

Transmitter\_2410 MHz

Antenna Polarization H



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

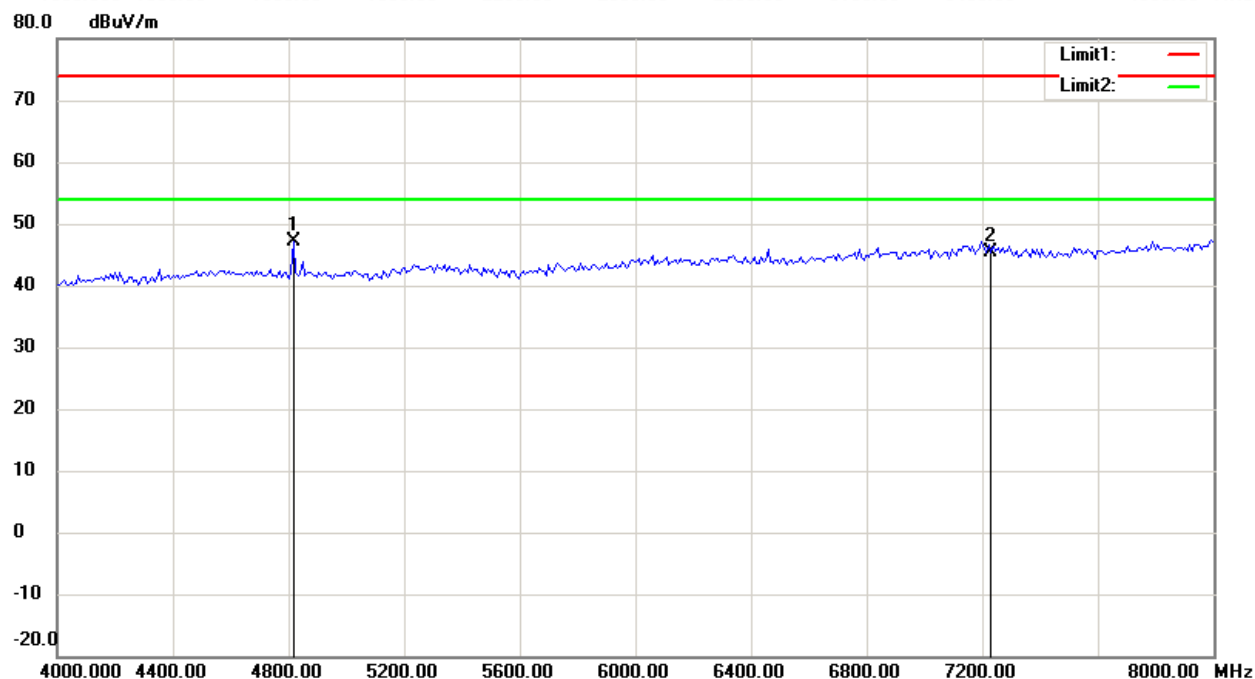
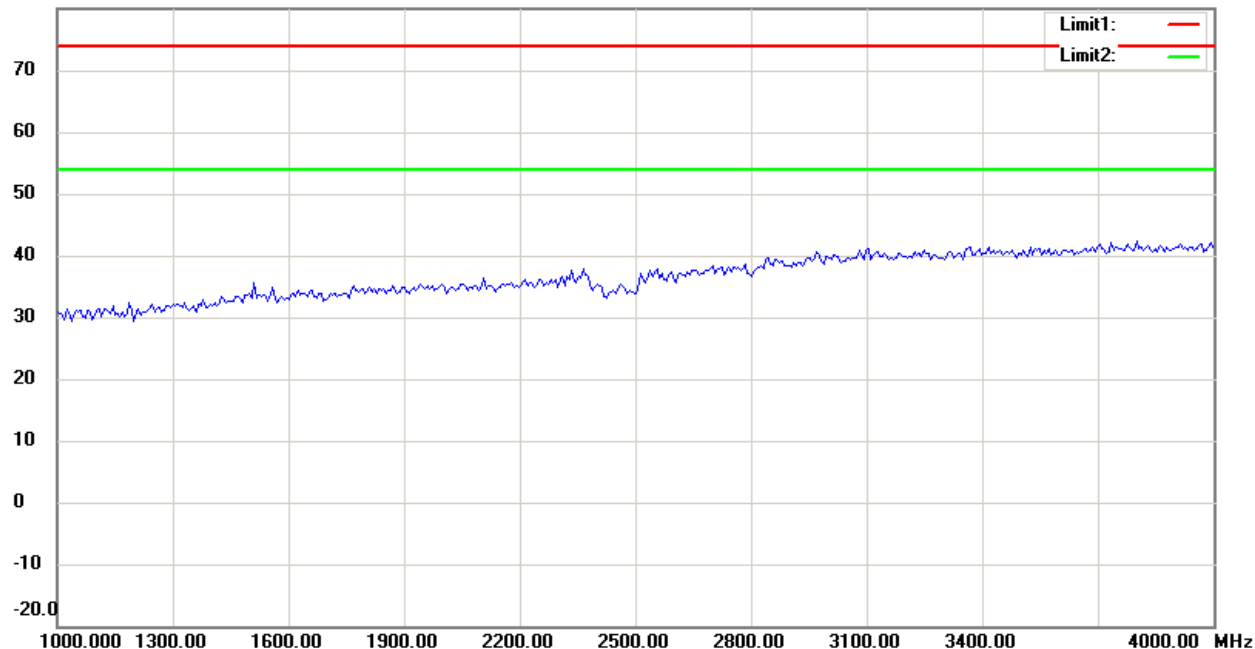
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

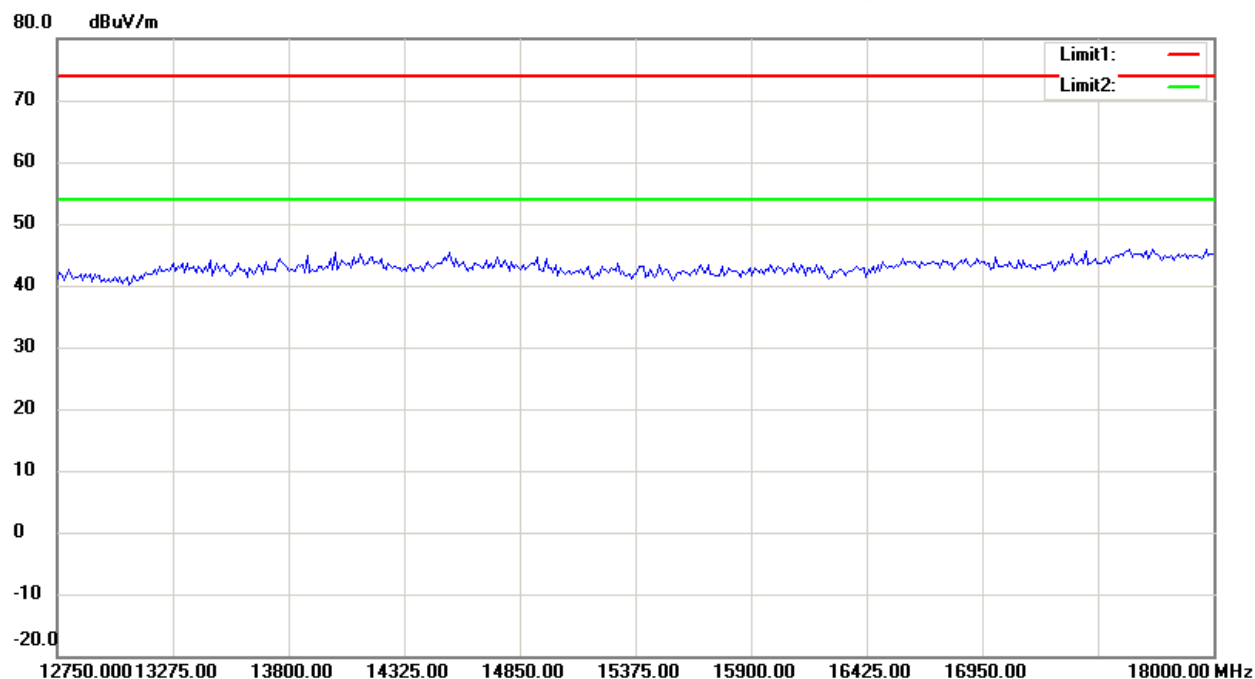
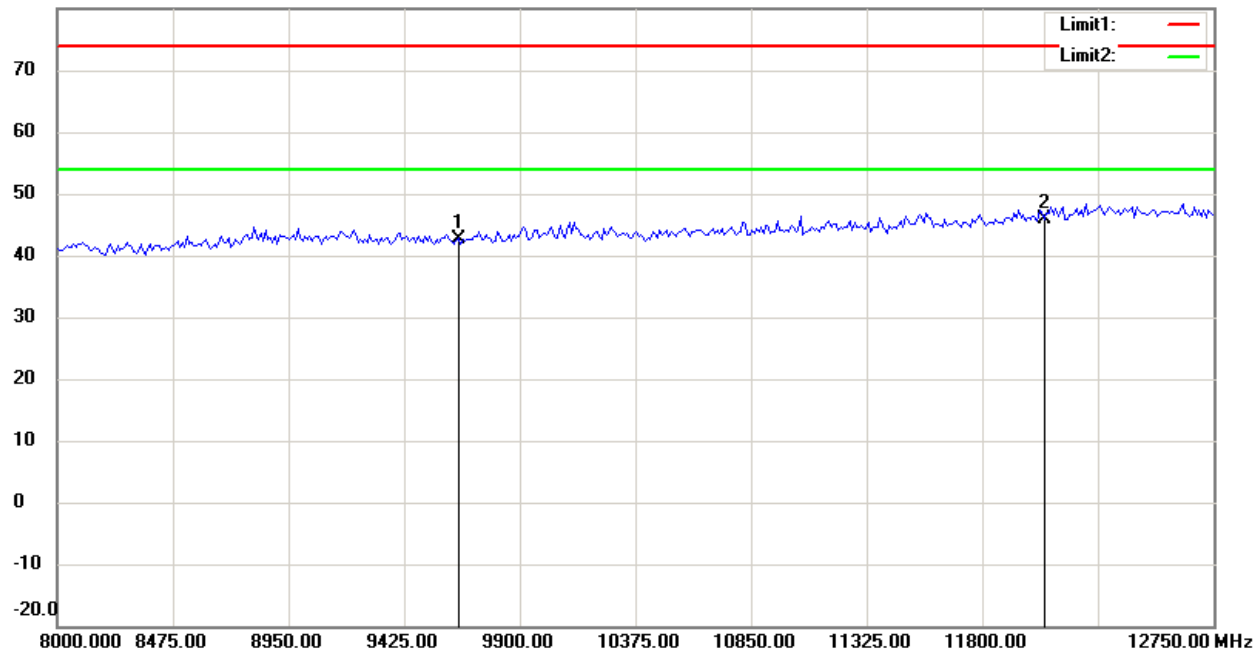
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

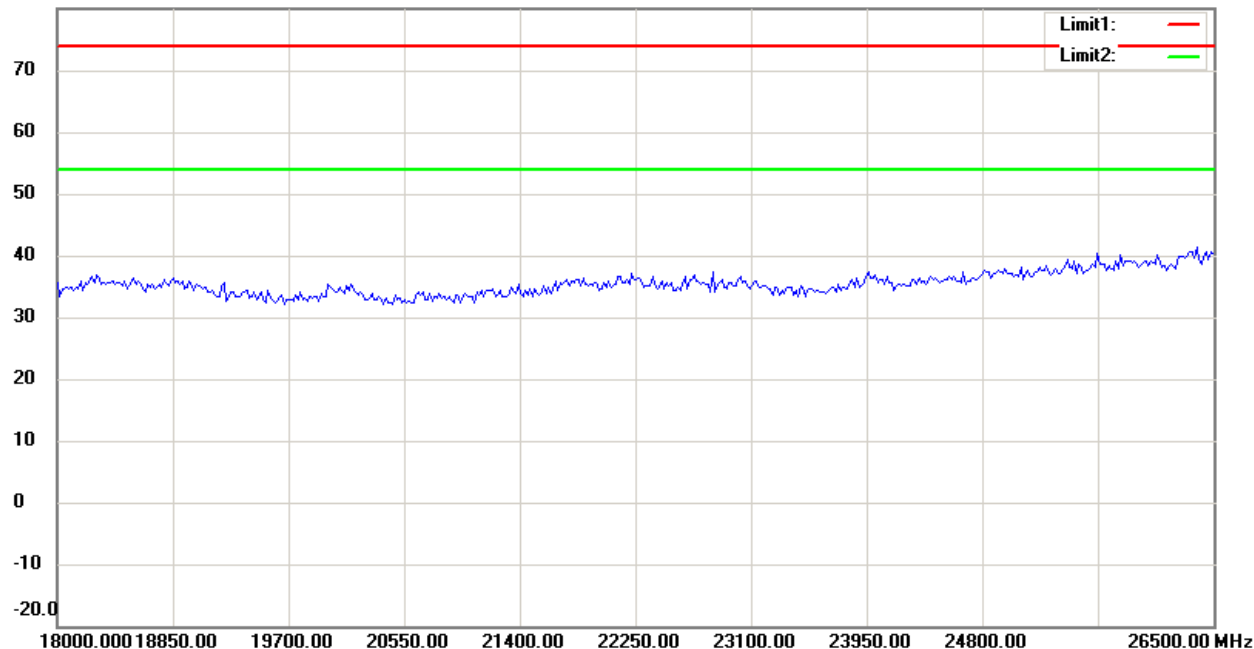
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

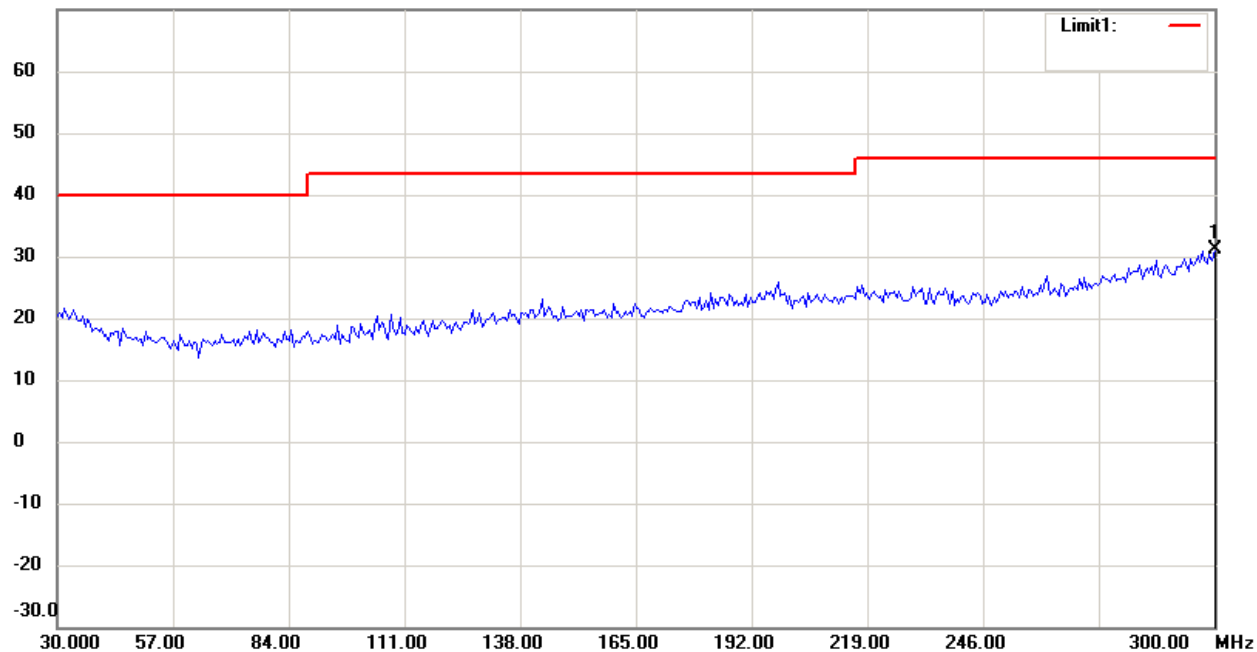
FCC ID: YR3XPW-6370

80.0 dBuV/m



## Antenna Polarization V

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

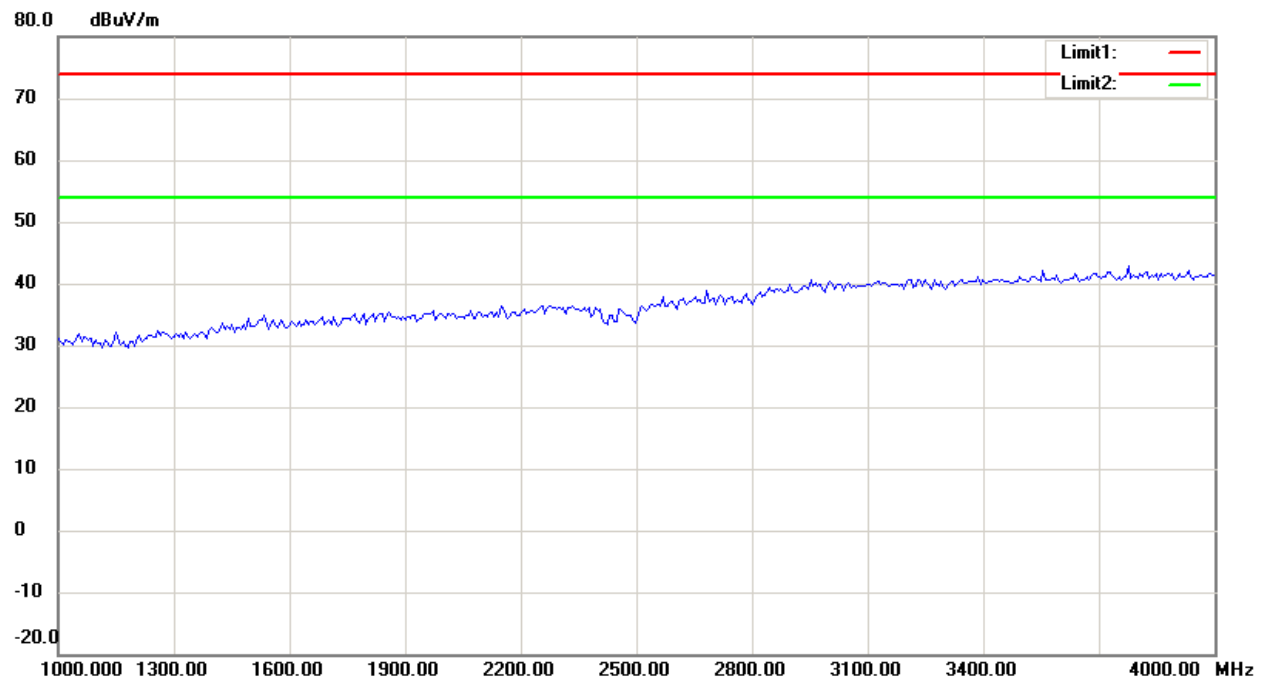
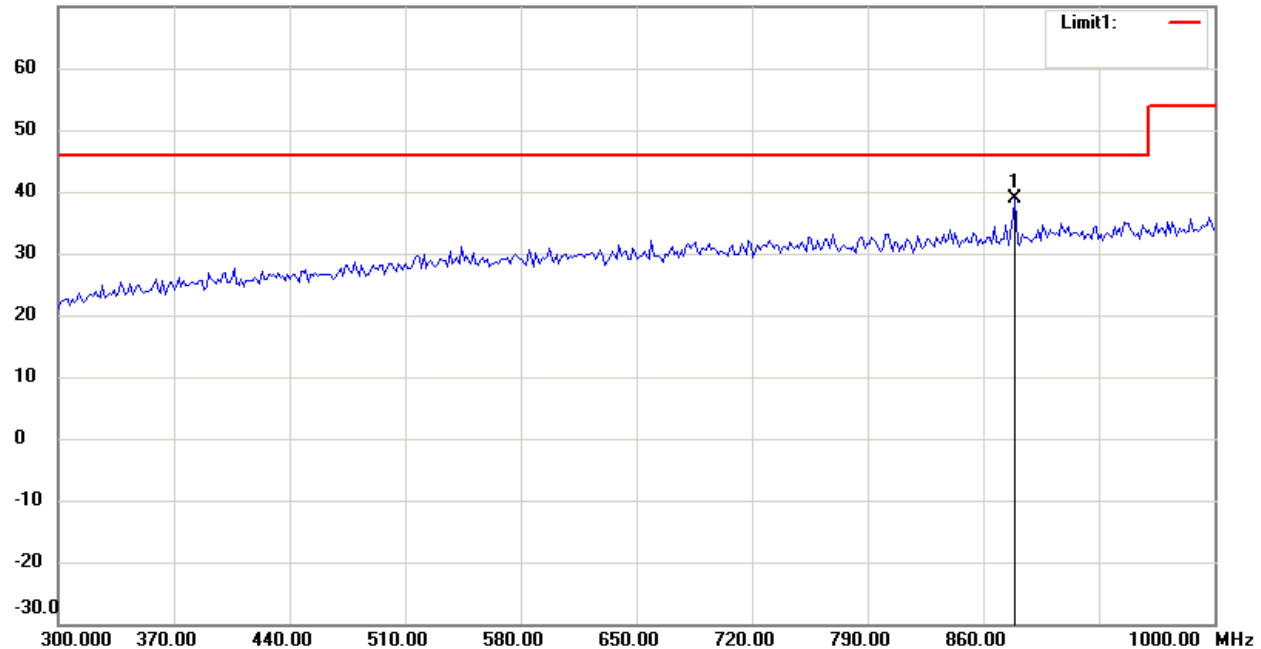
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

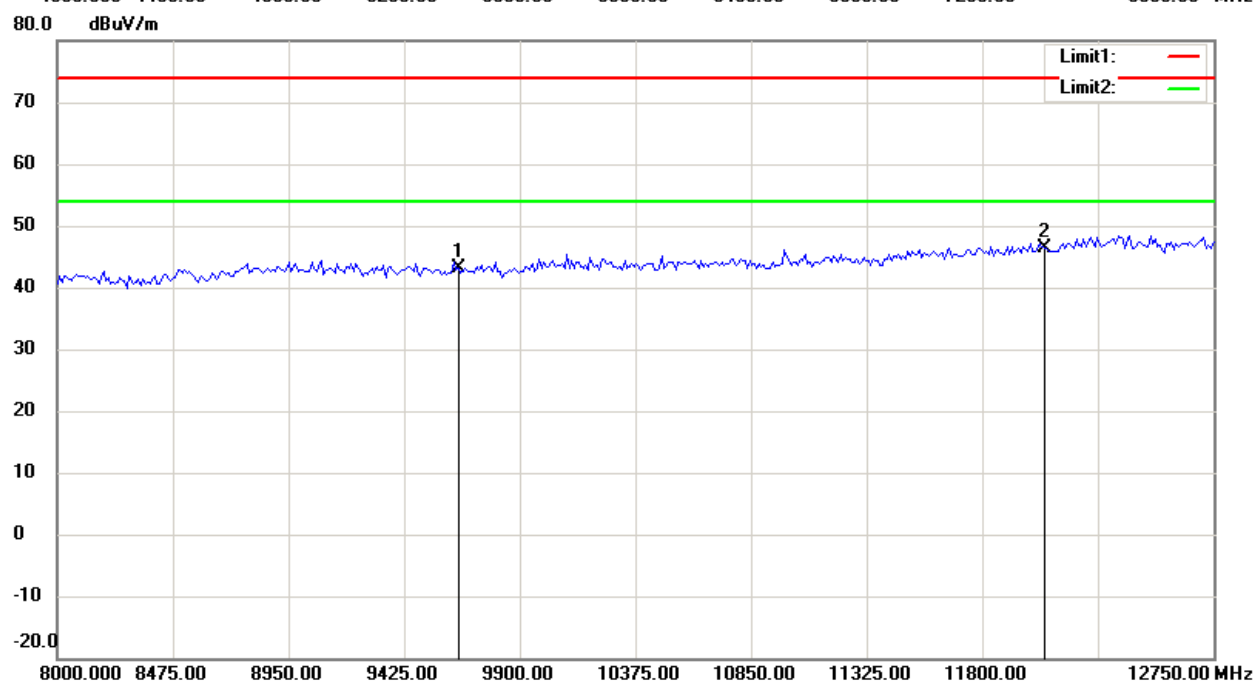
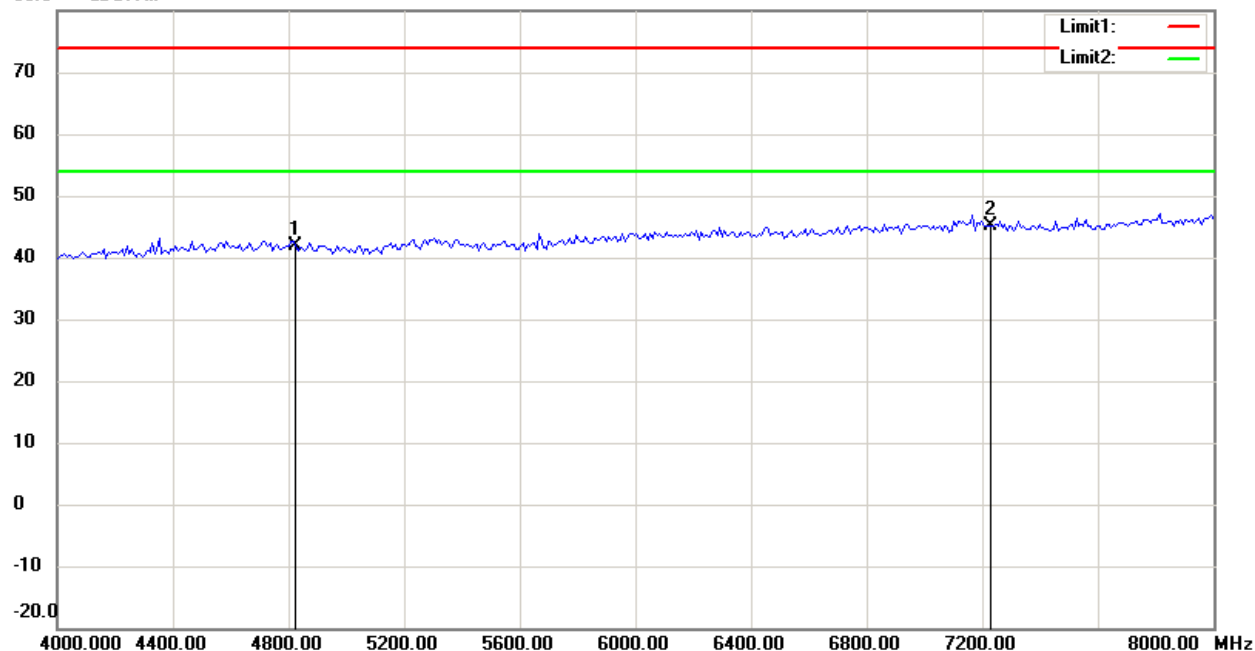
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

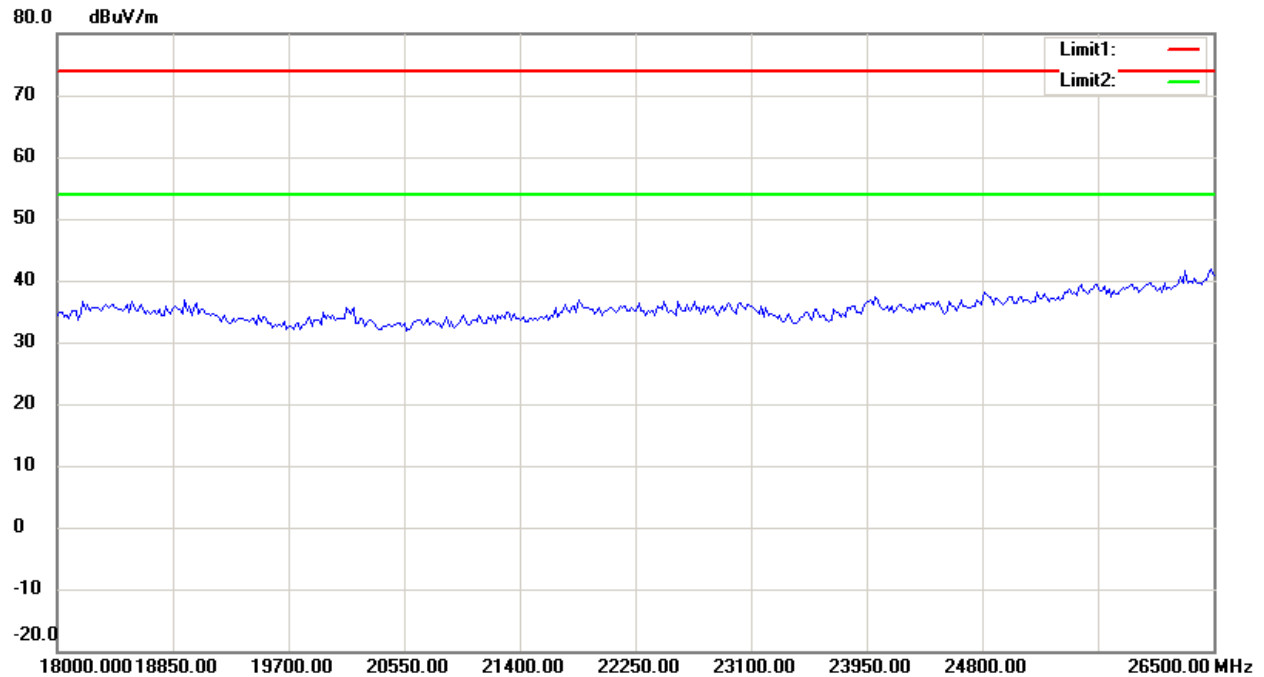
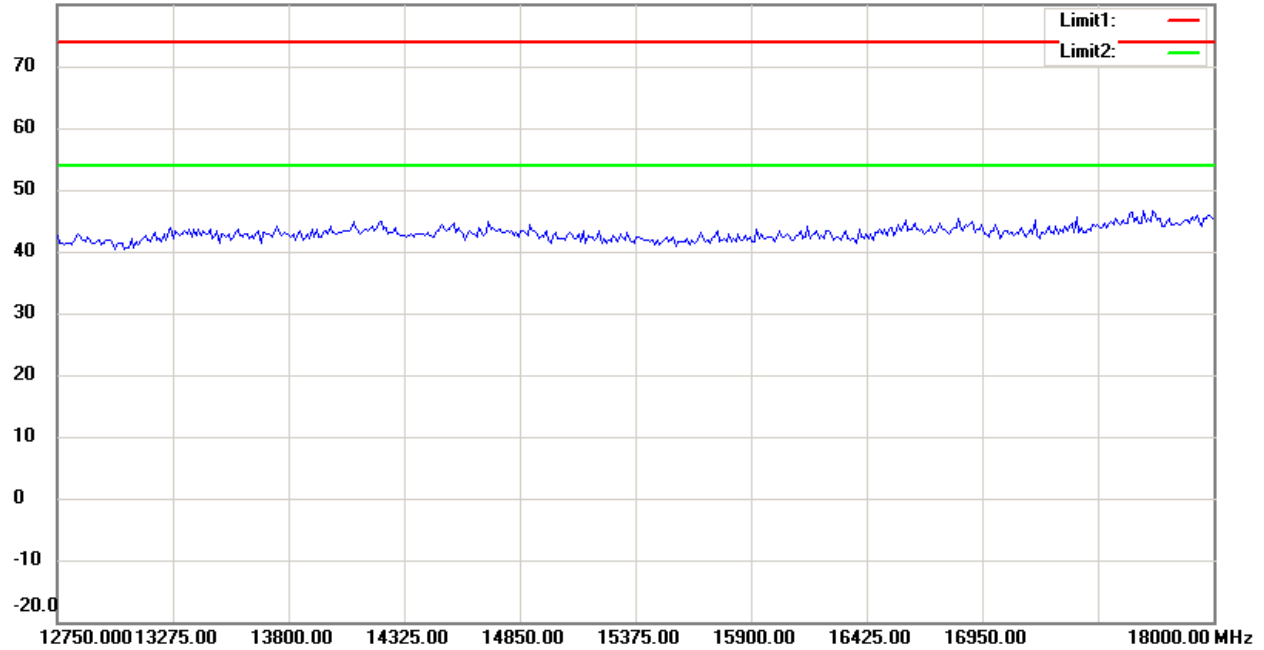
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



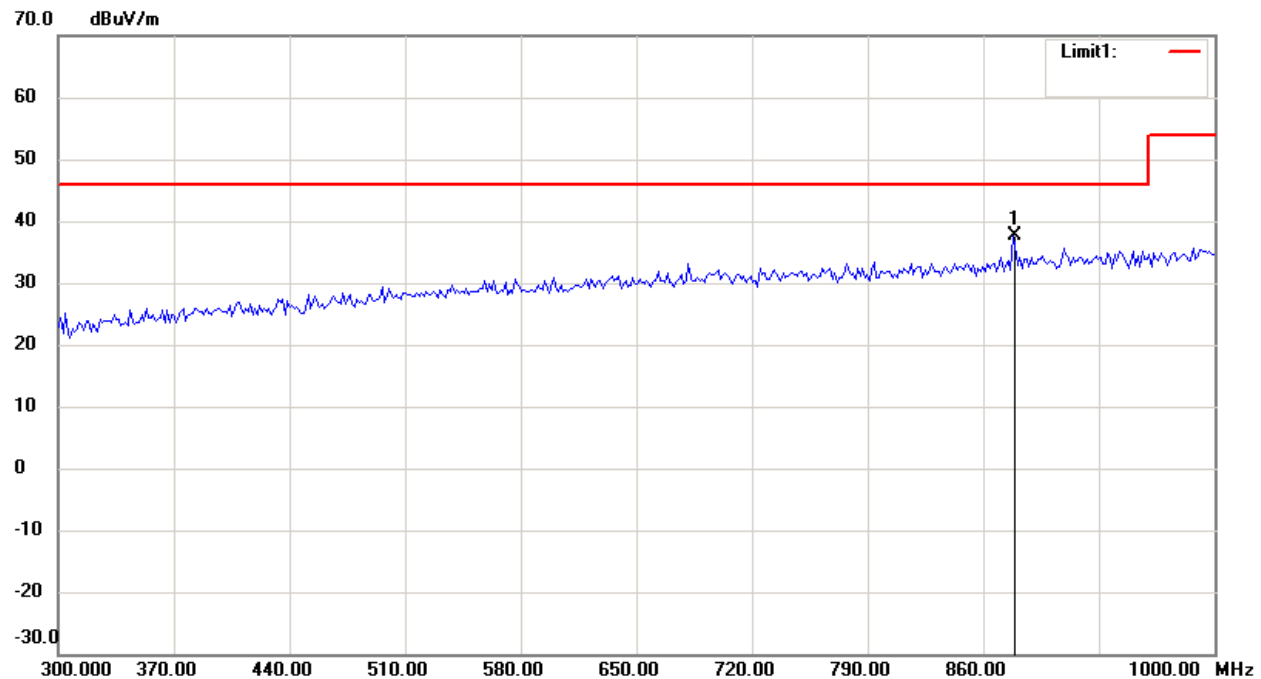
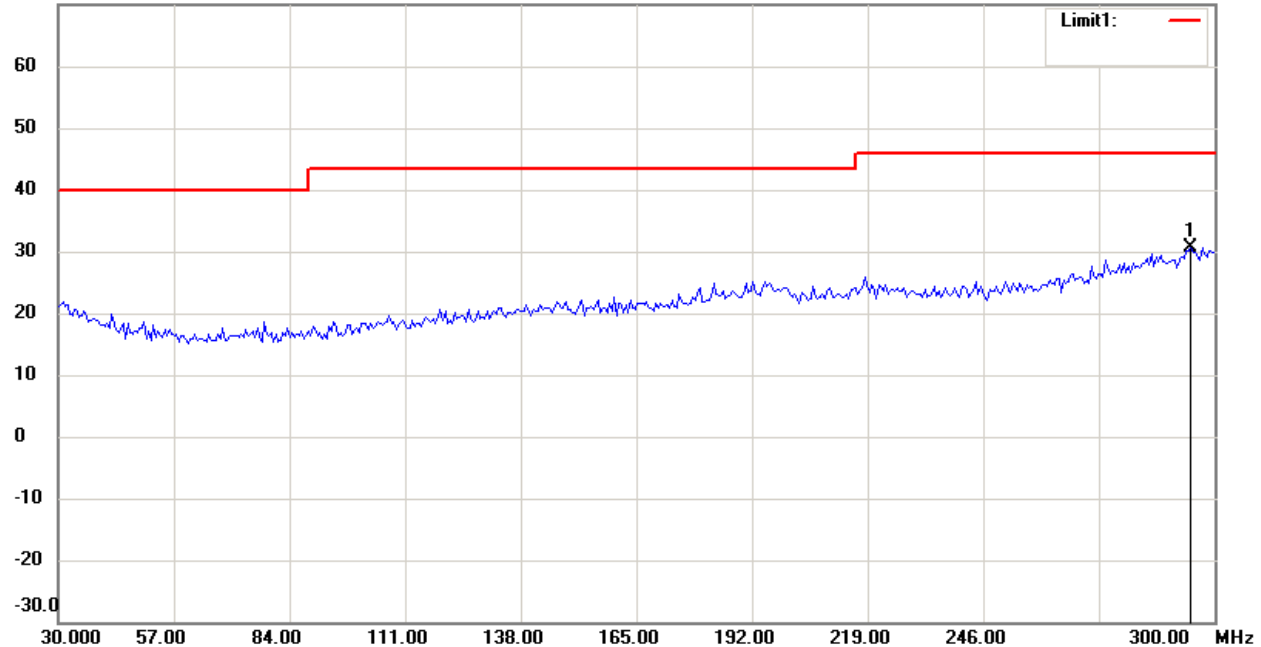
Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

Transmitter\_2436MHz

Antenna Polarization H

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

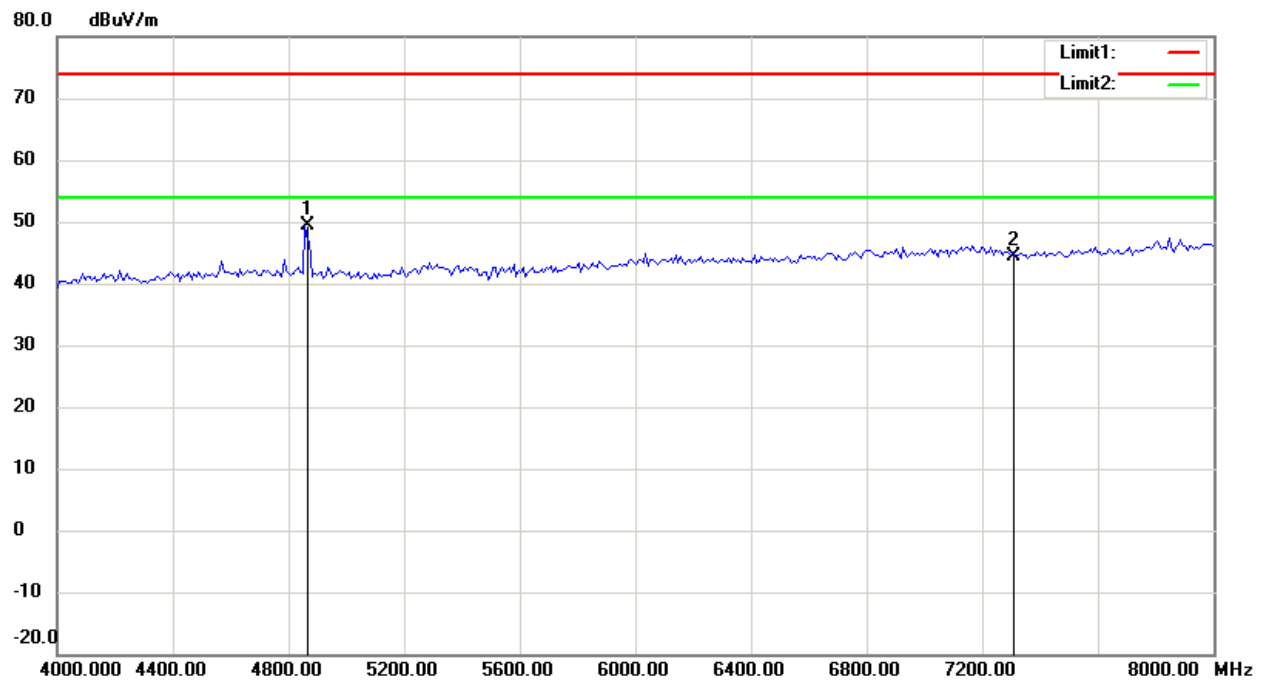
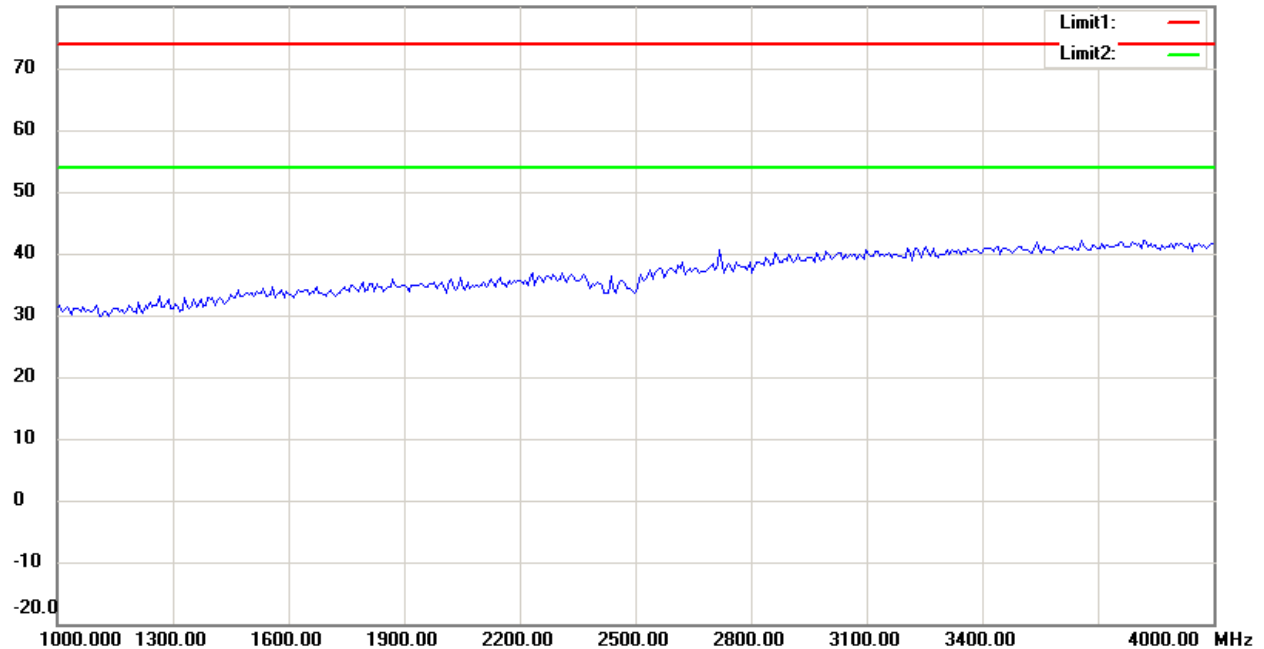




Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

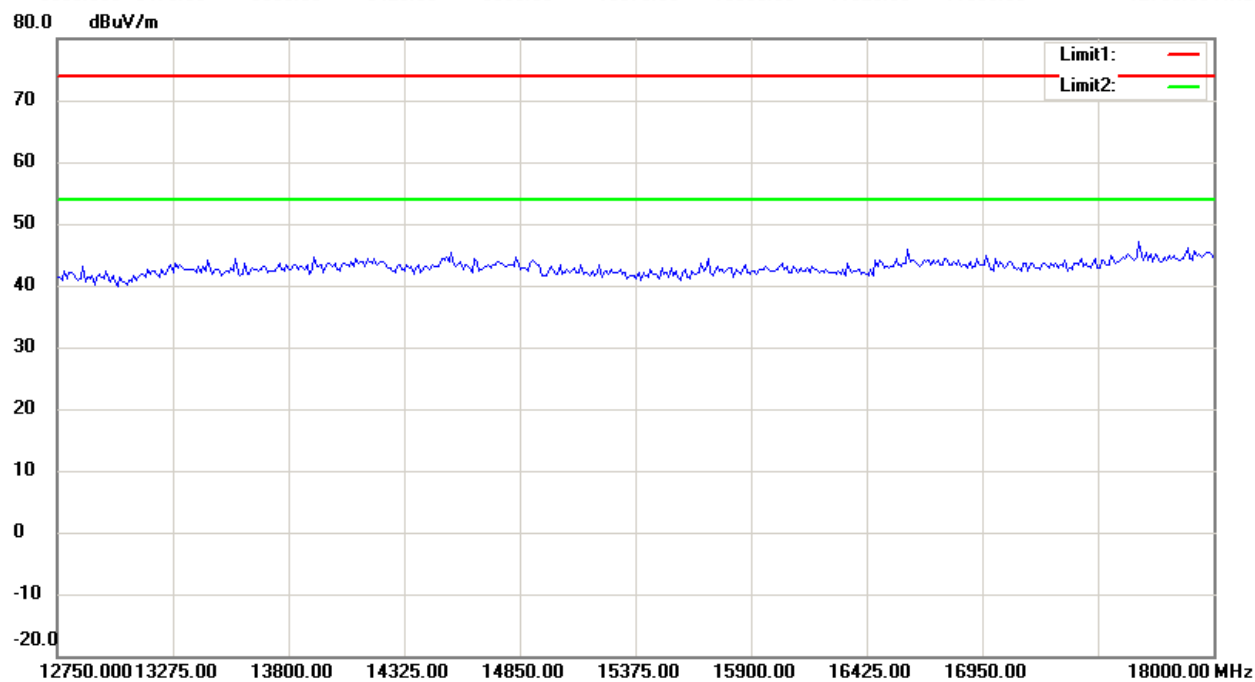
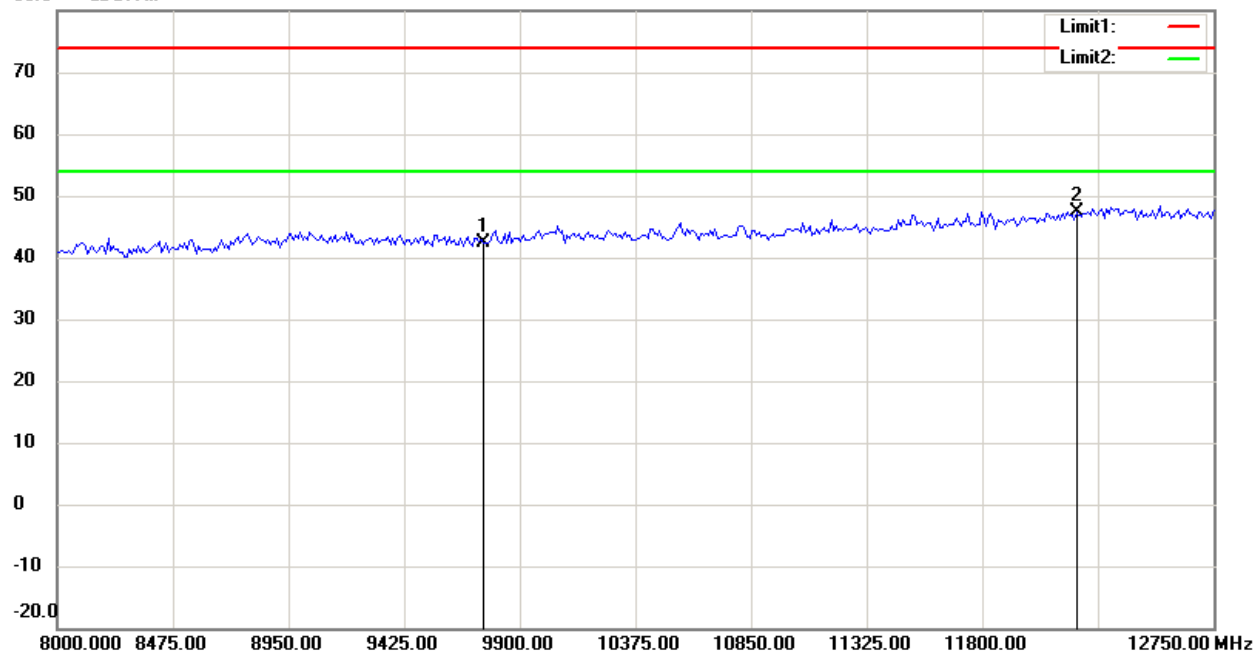
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

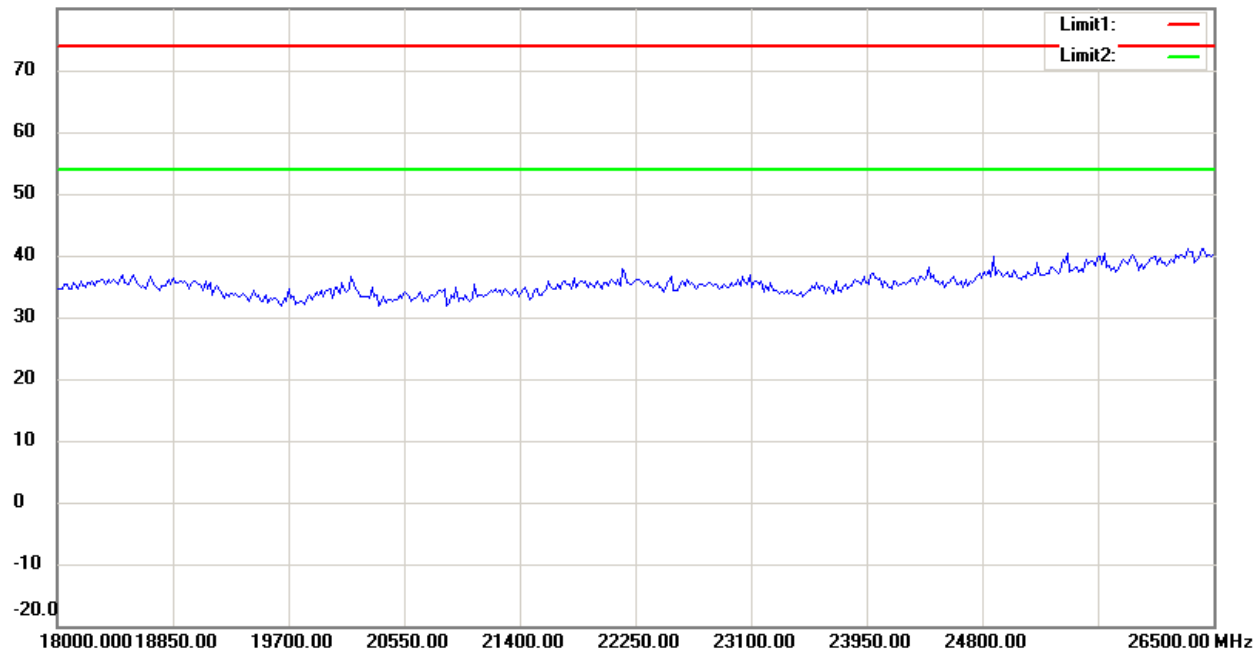
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

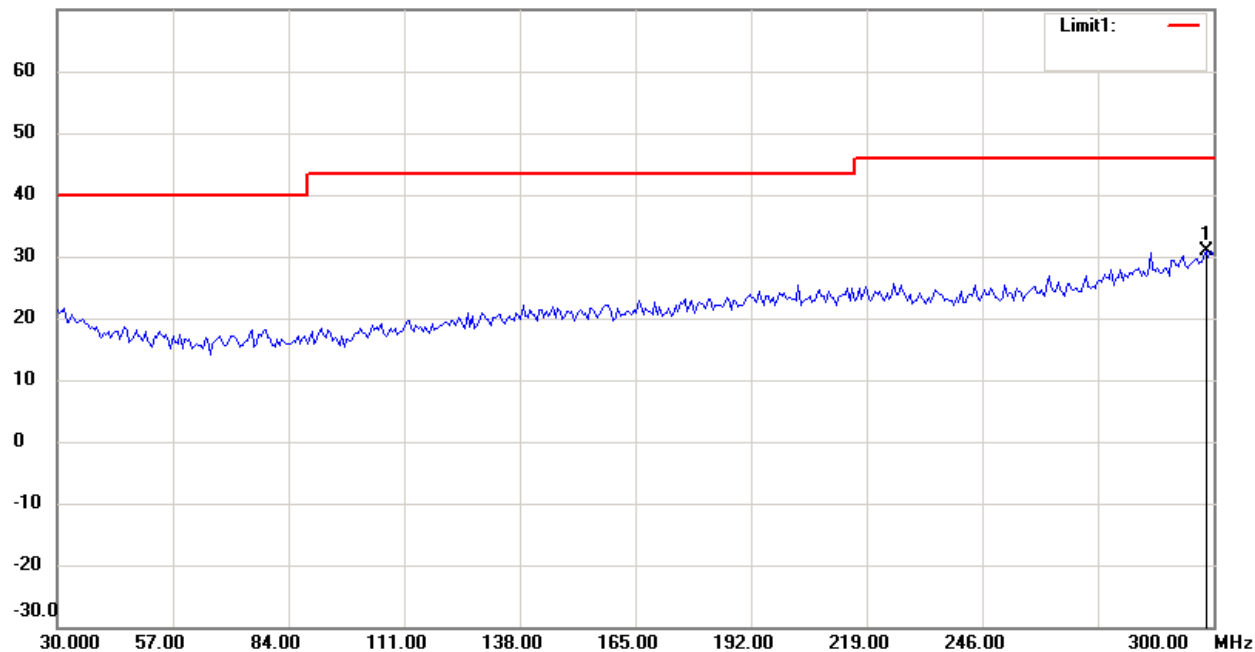
FCC ID: YR3XPW-6370

80.0 dBuV/m



## Antenna Polarization V

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

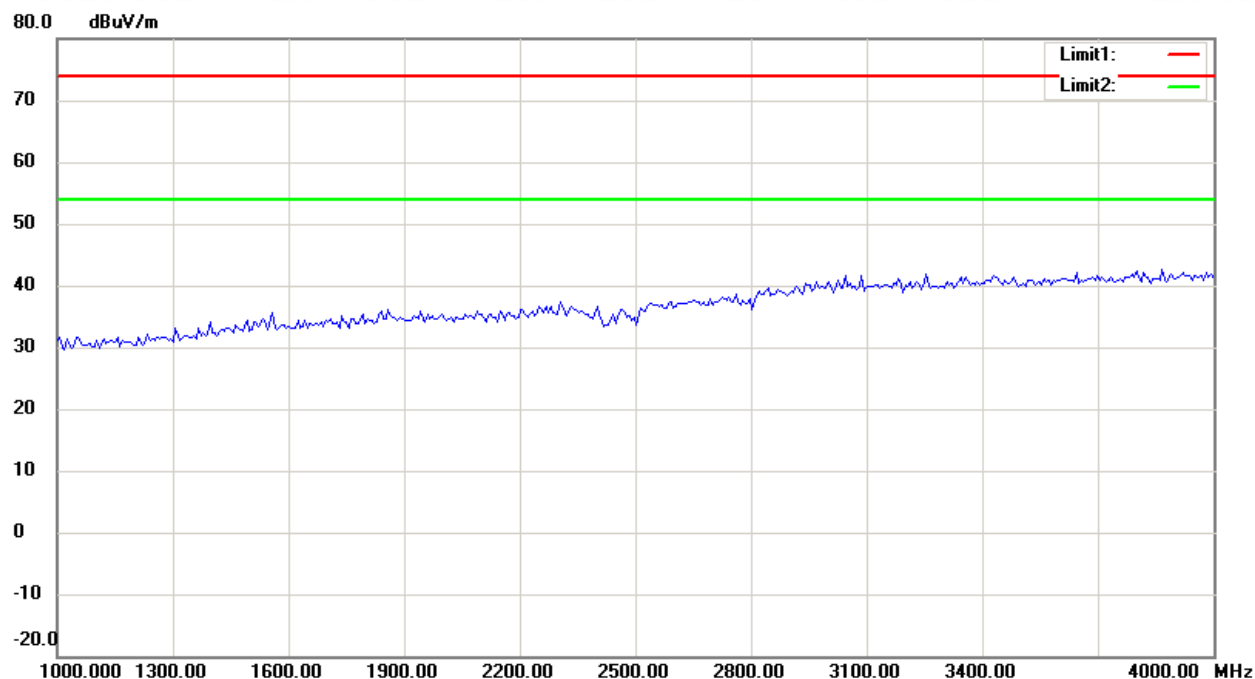
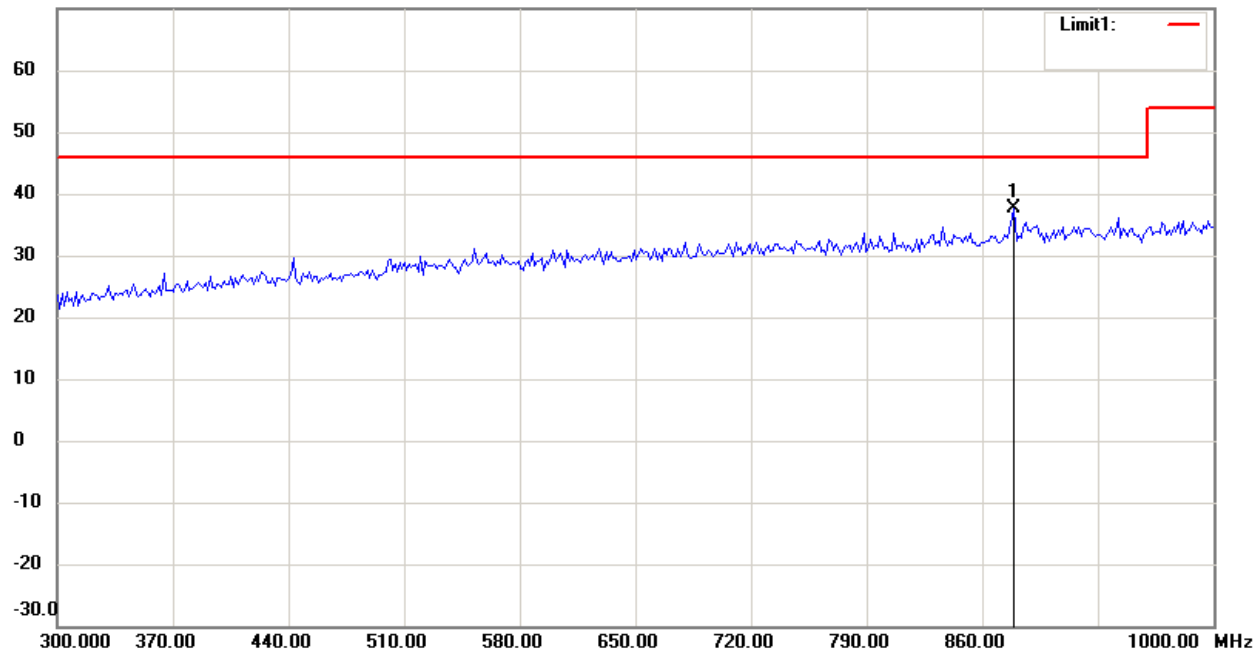
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

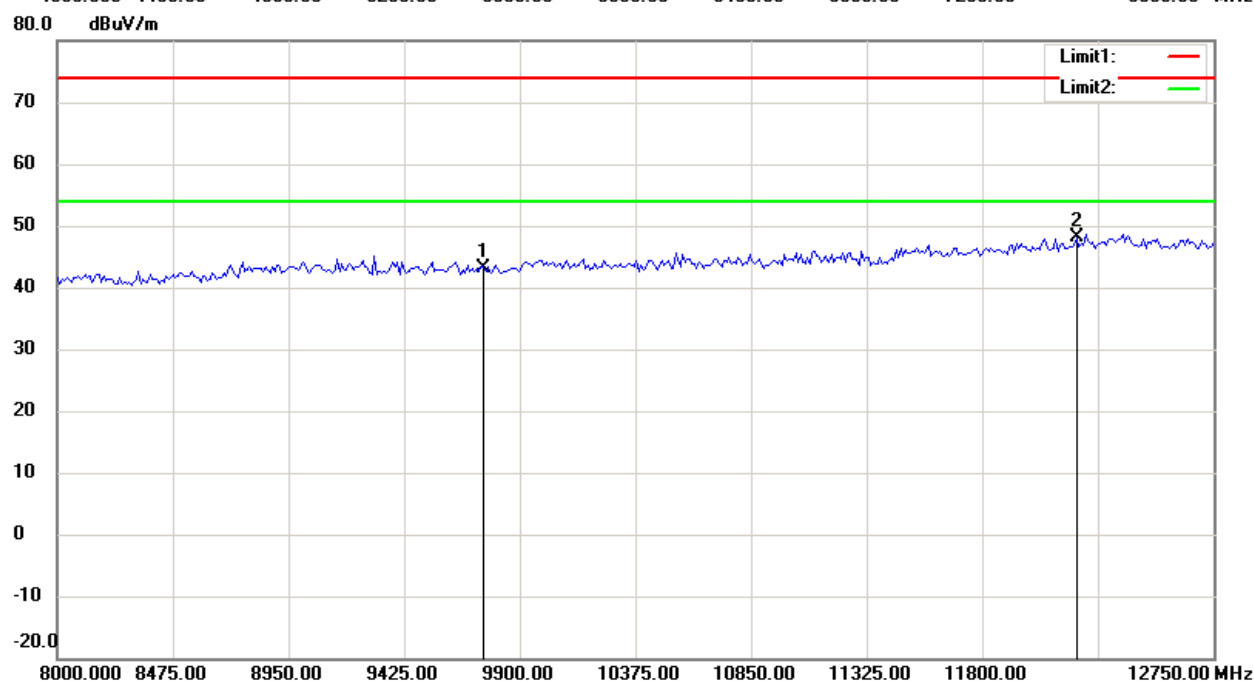
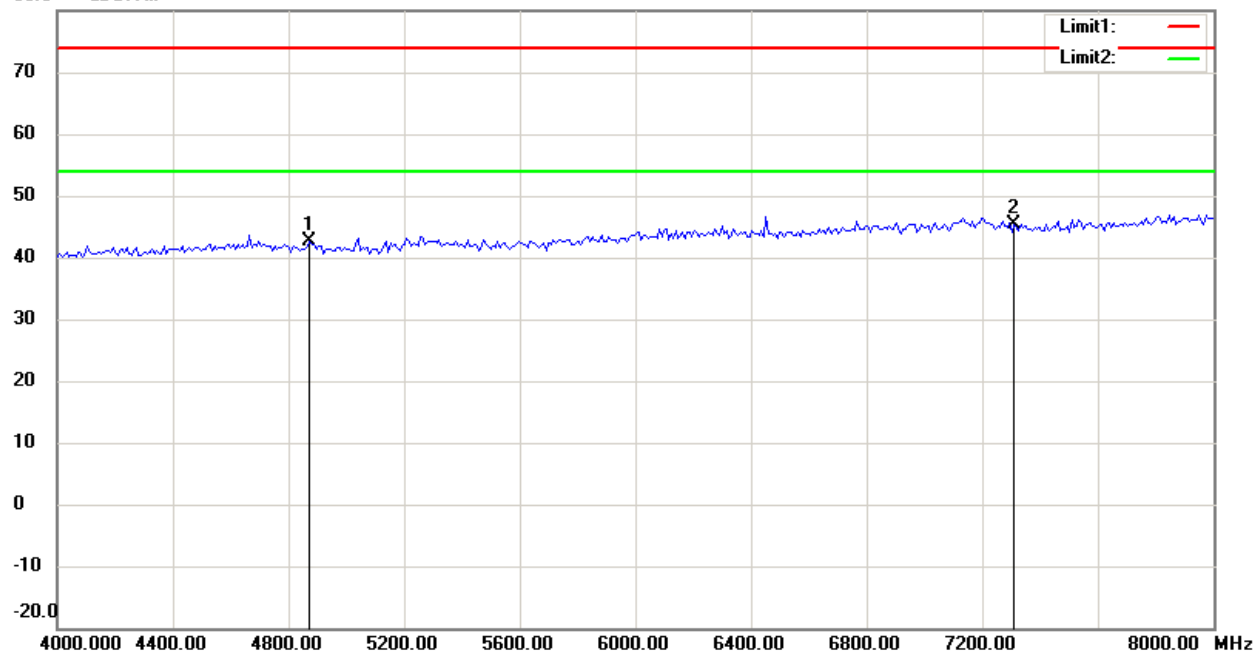
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

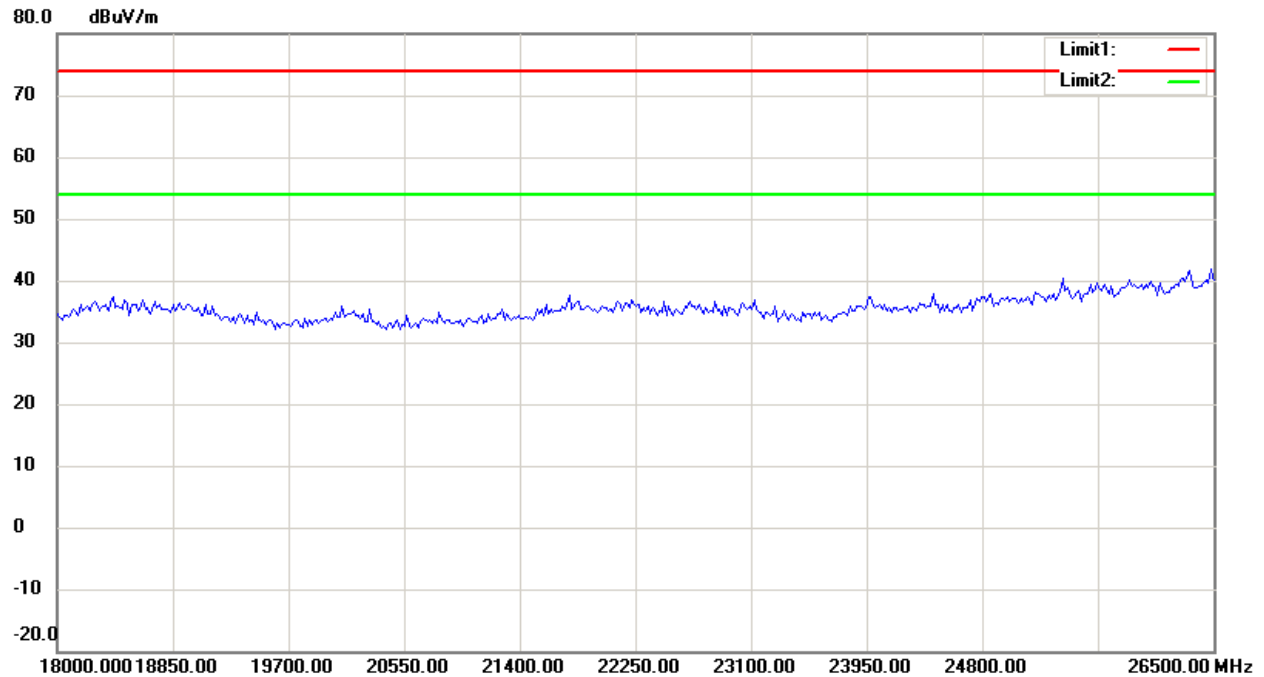
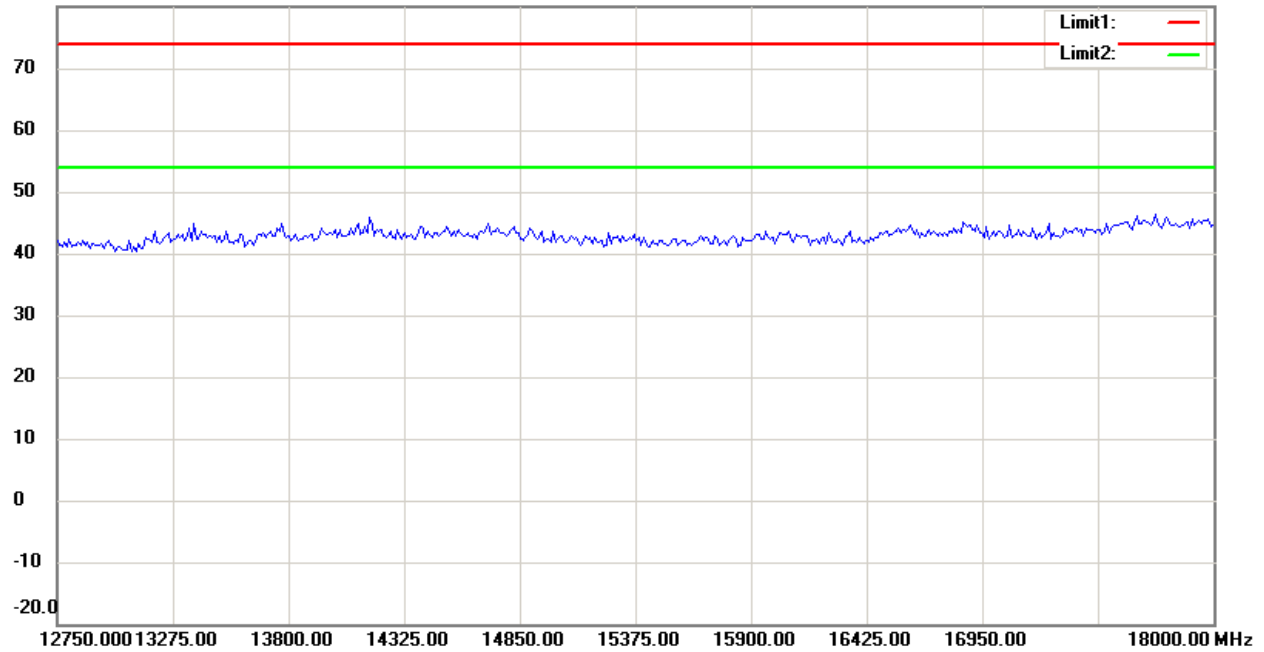
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



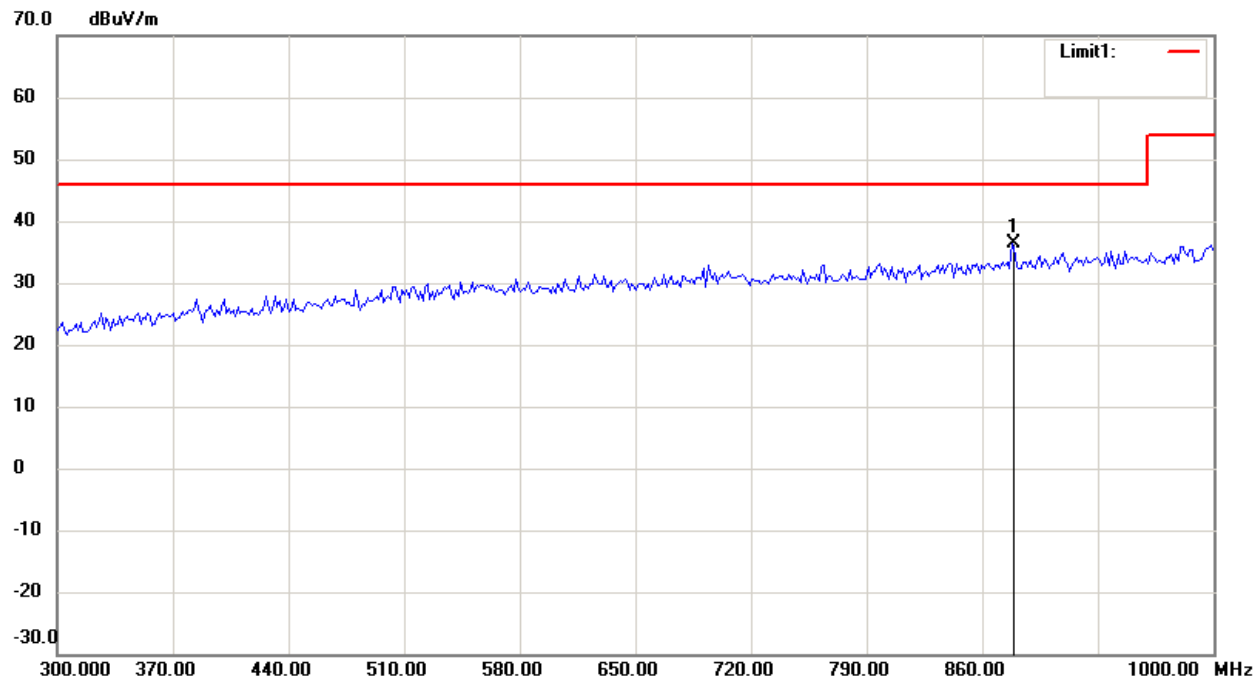
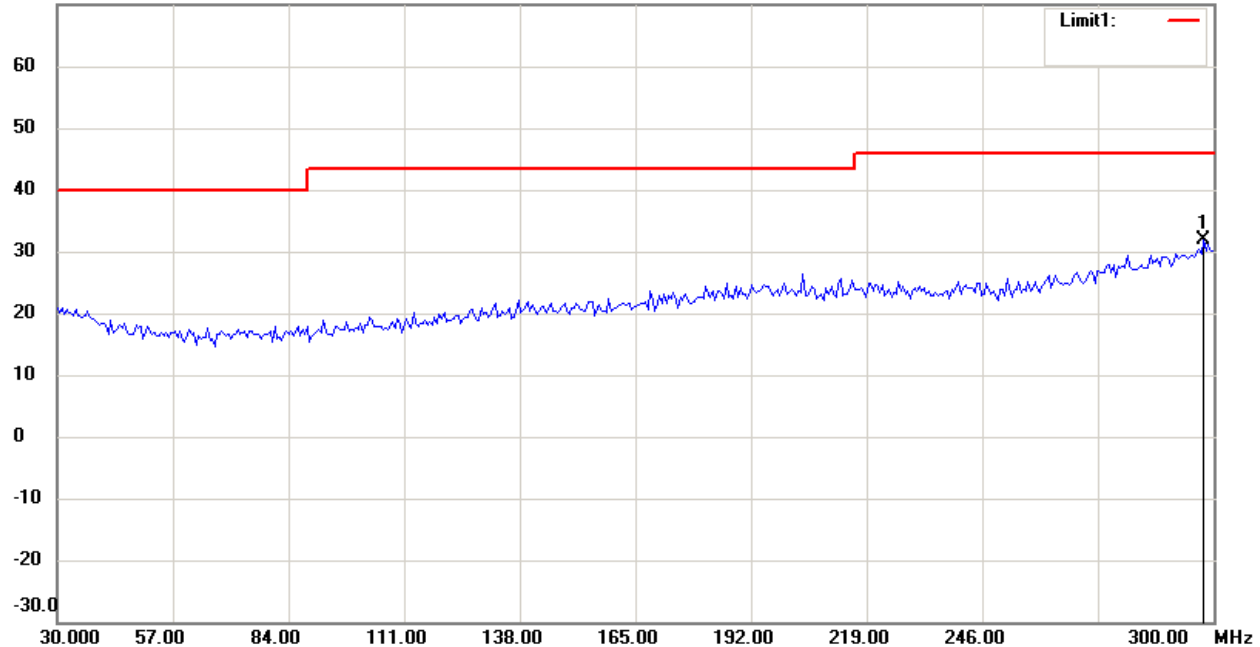
Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

Transmitter\_2472MHz

Antenna Polarization H

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

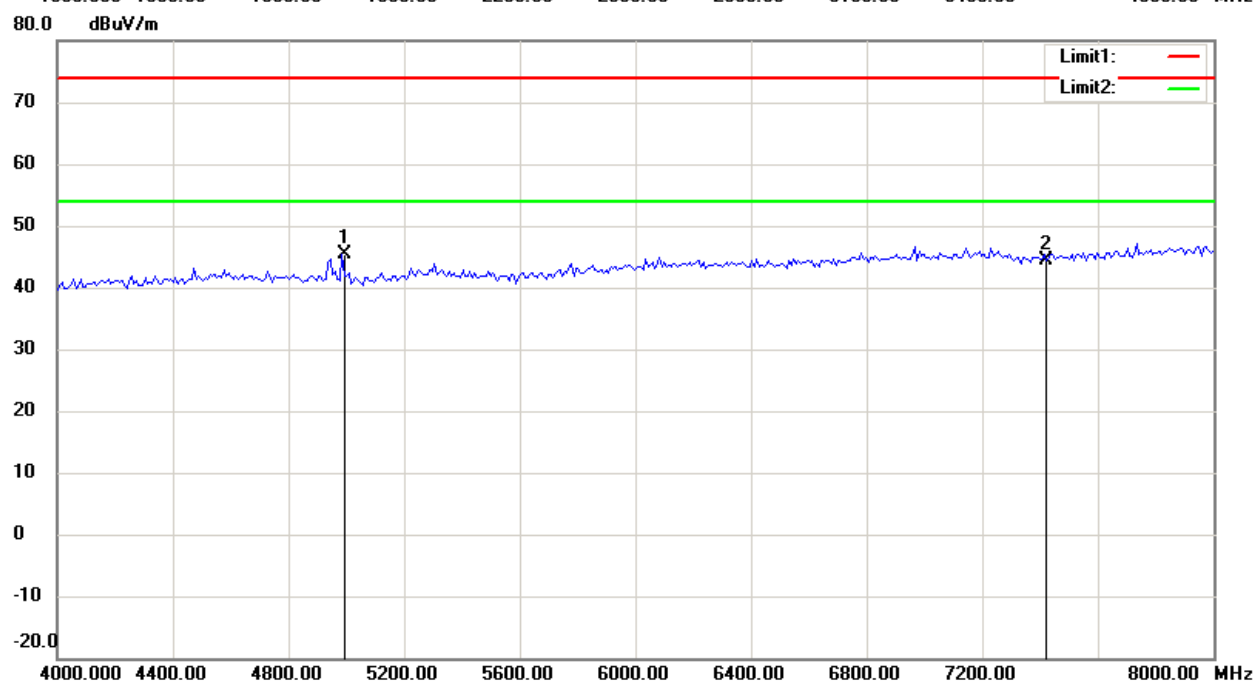
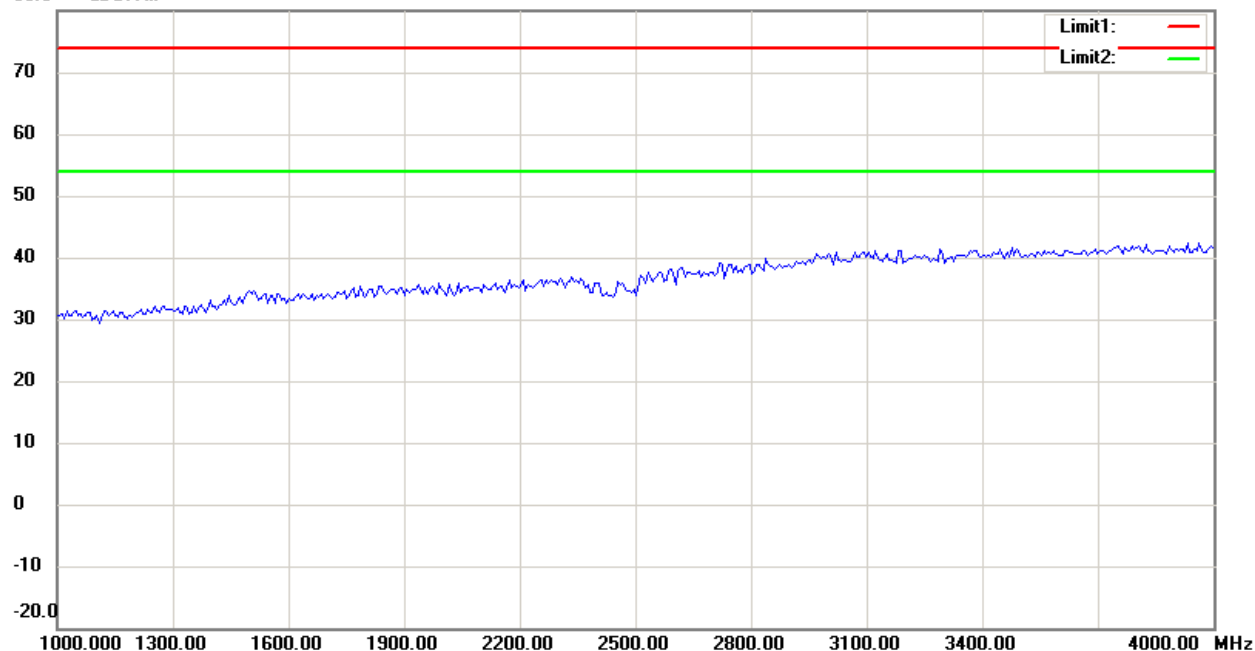
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.

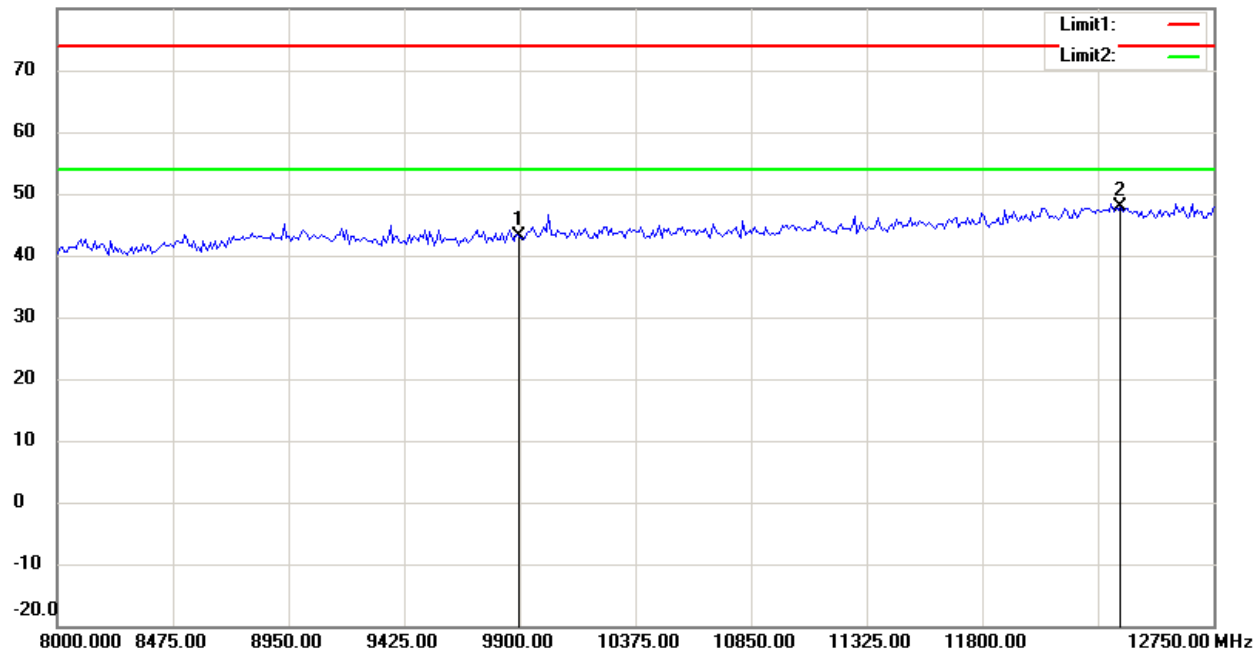




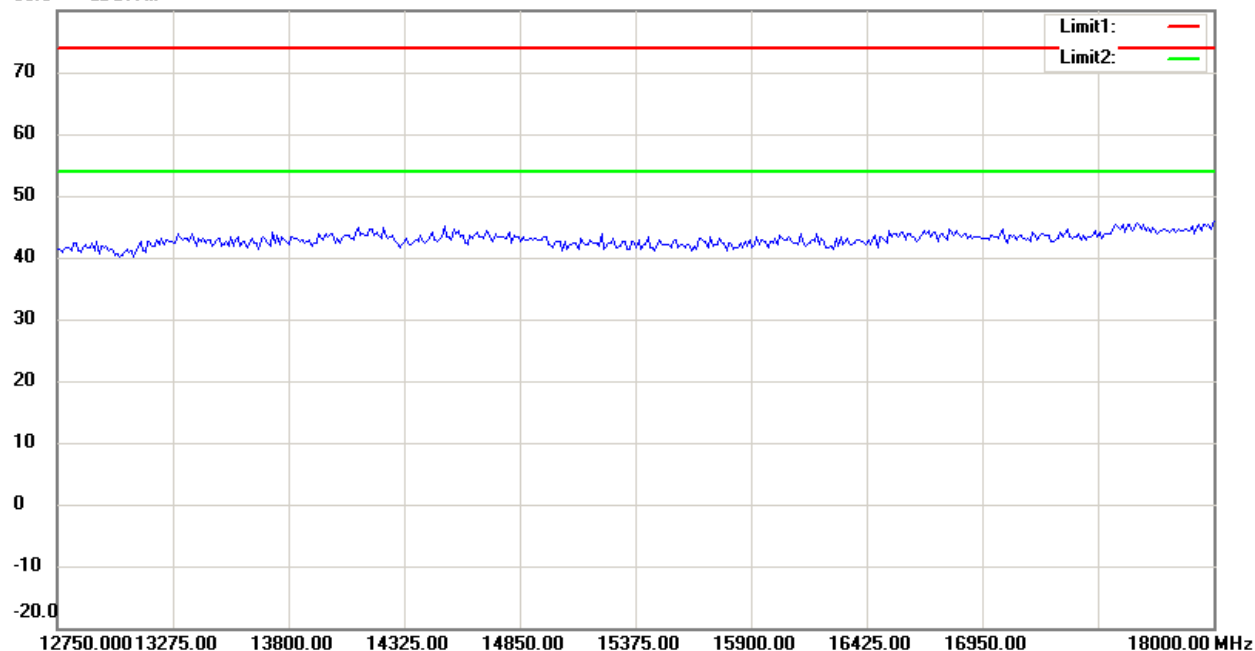
Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

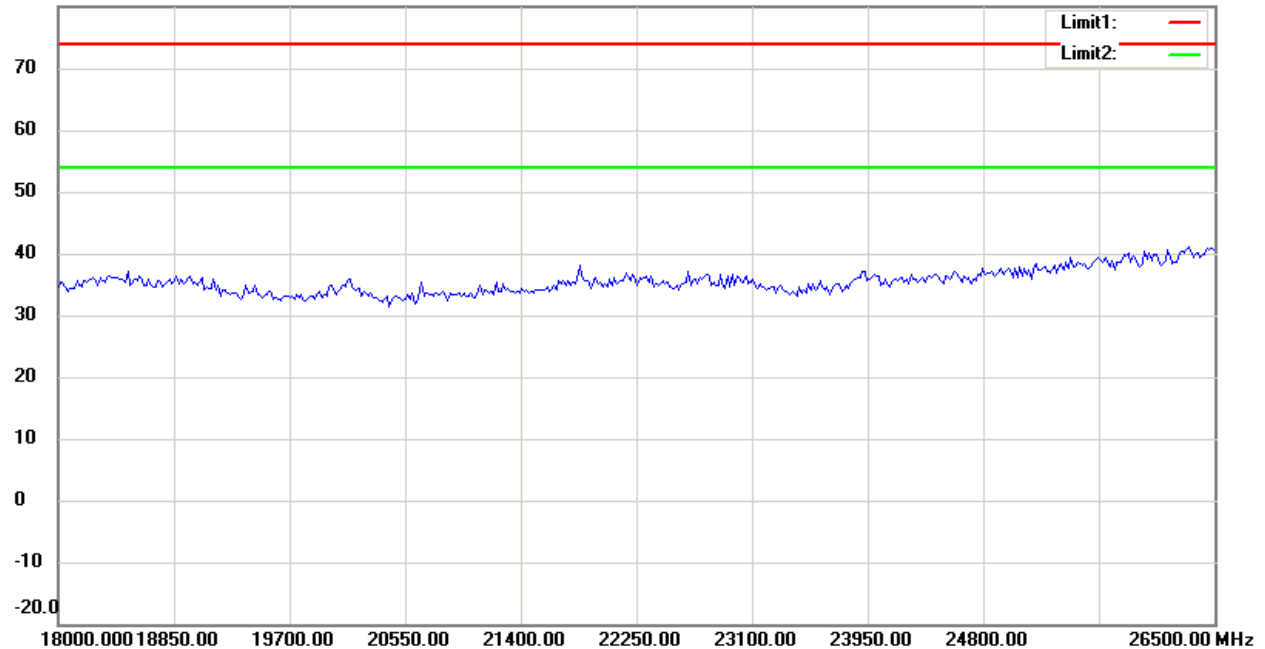
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

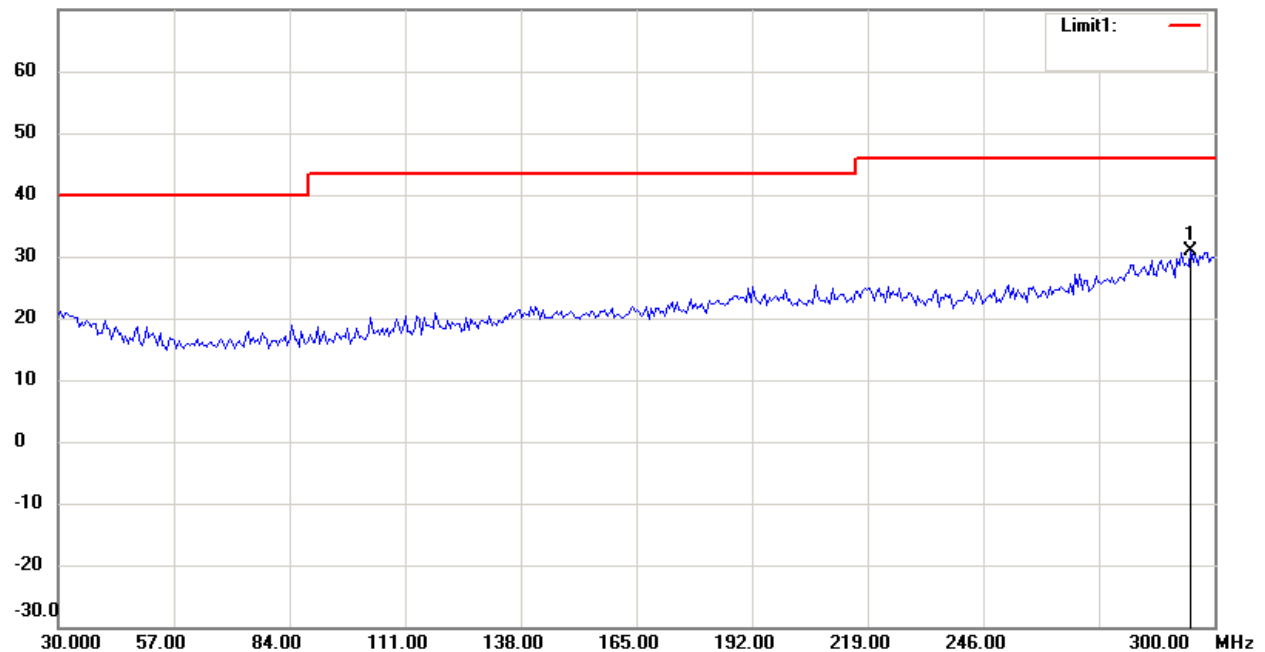
FCC ID: YR3XPW-6370

80.0 dBuV/m



## Antenna Polarization V

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

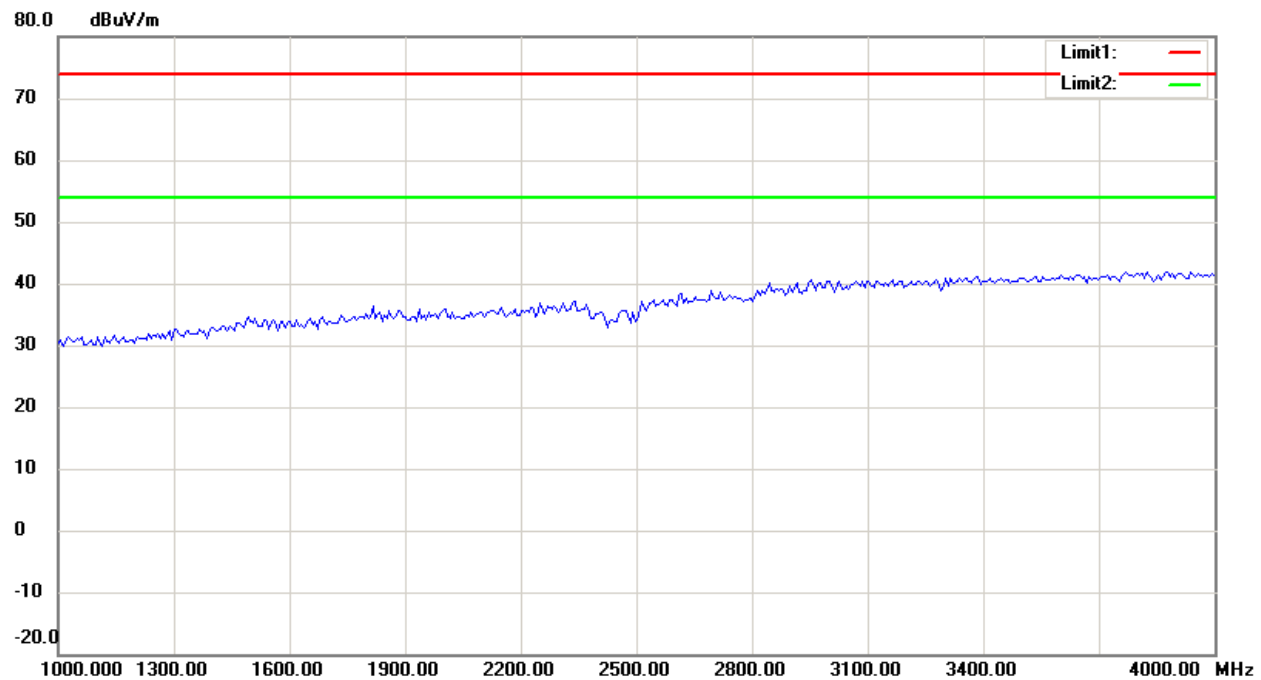
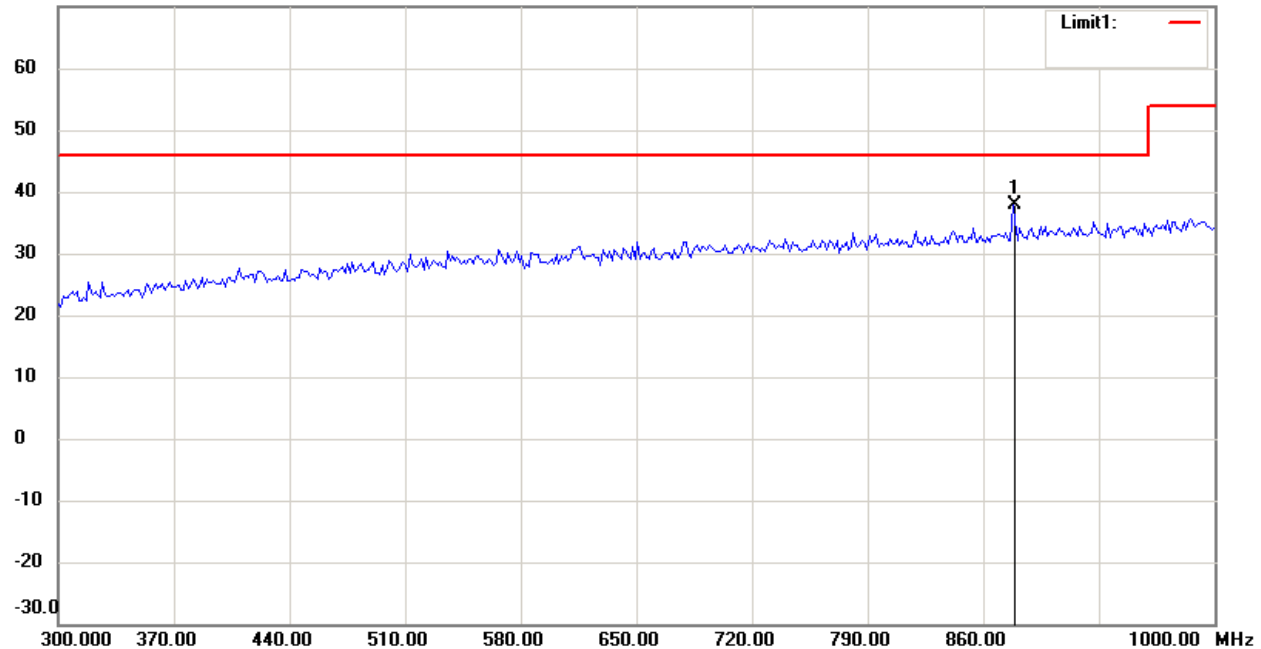
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

70.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

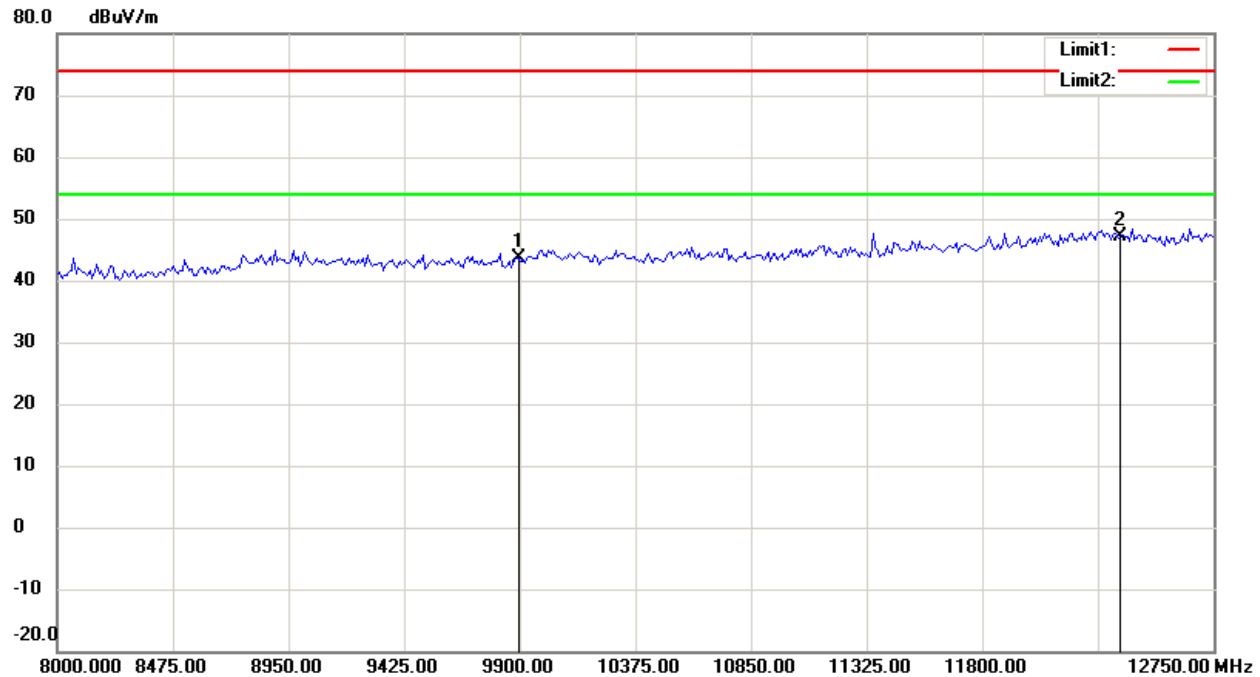
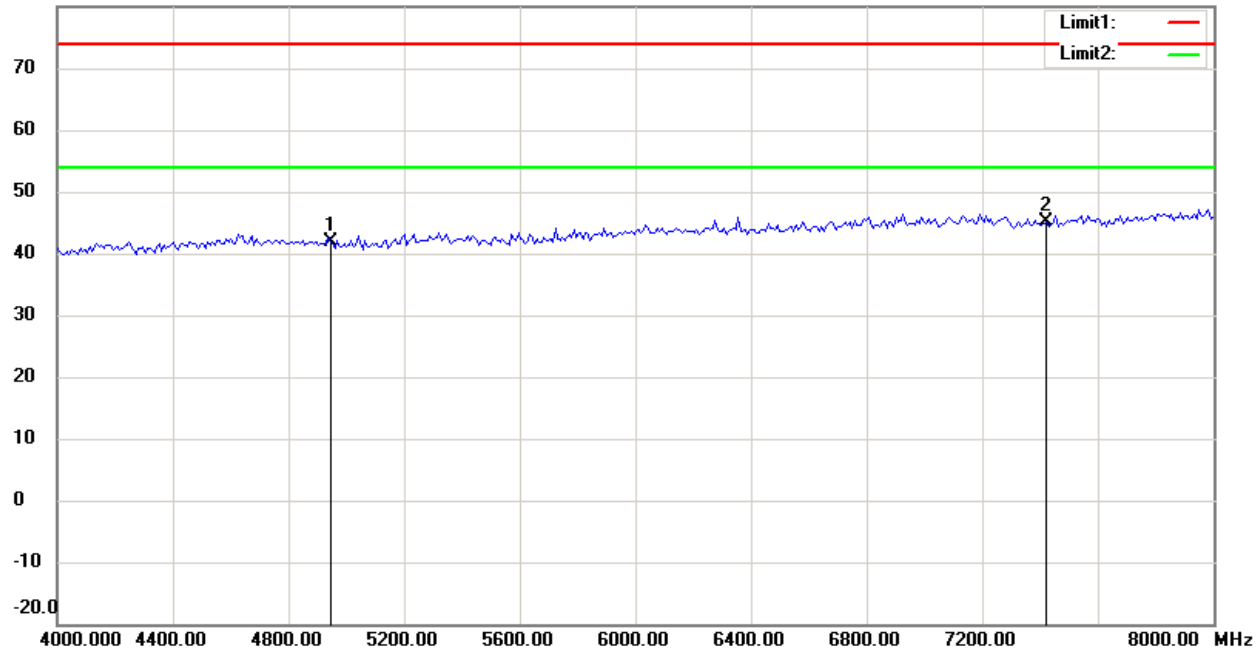
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

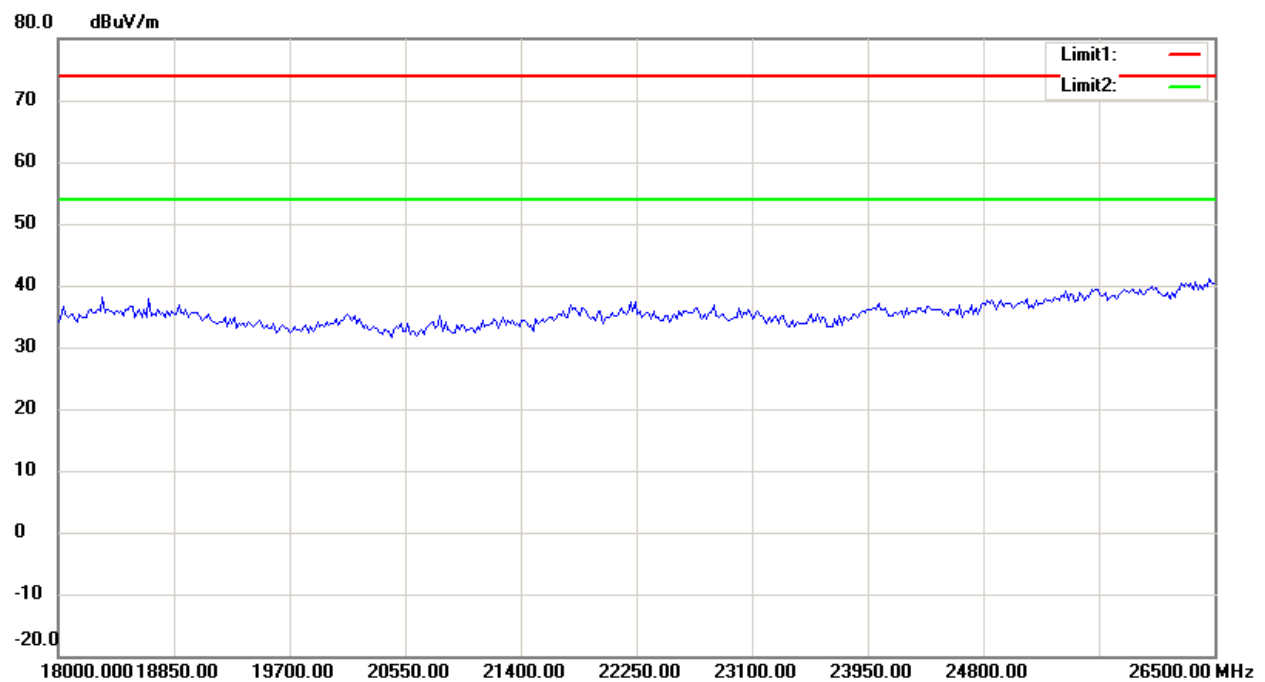
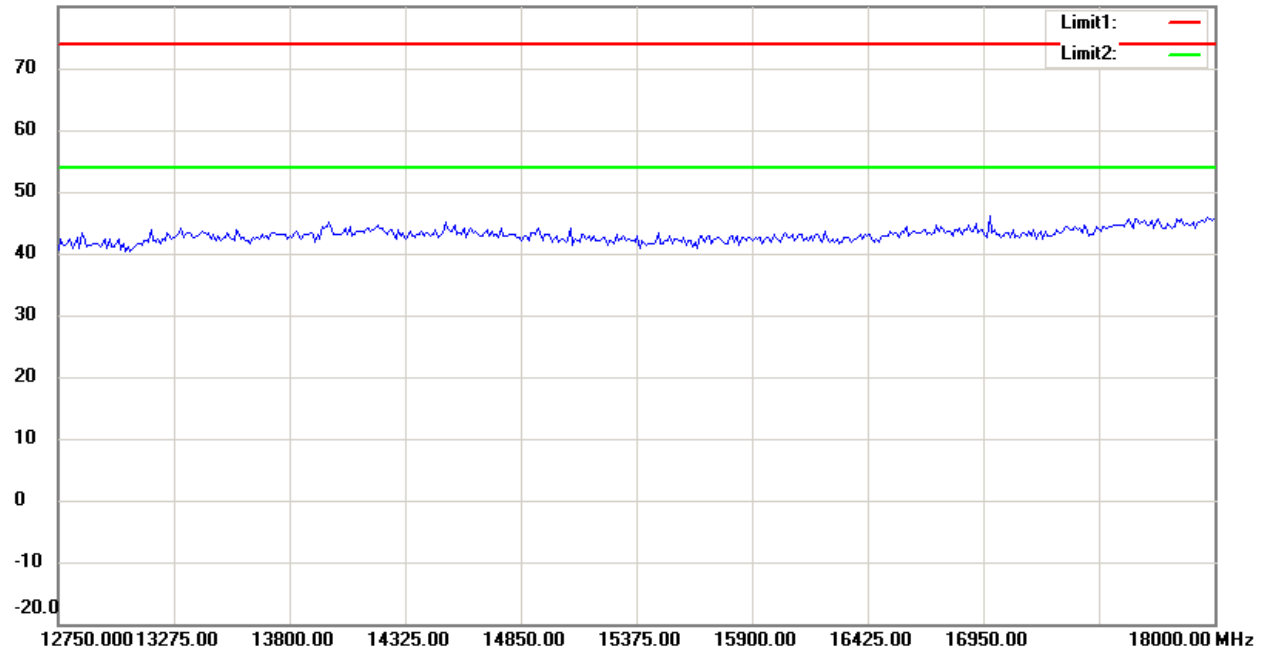
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



Registration number: W6M21008-10873-P-15

FCC ID: YR3XPW-6370

80.0 dBuV/m



Up Line: Peak Limit Line

Down Line: Ave Limit Line

Note:

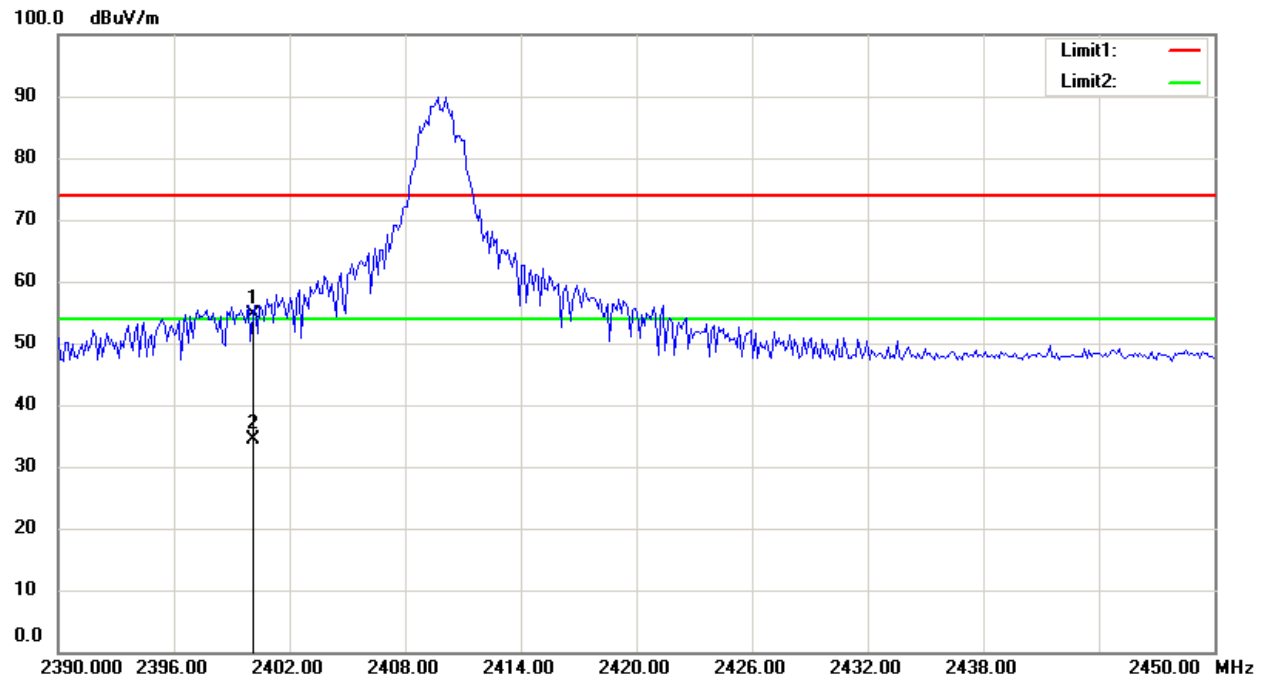
1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of radiated test data of this test report.



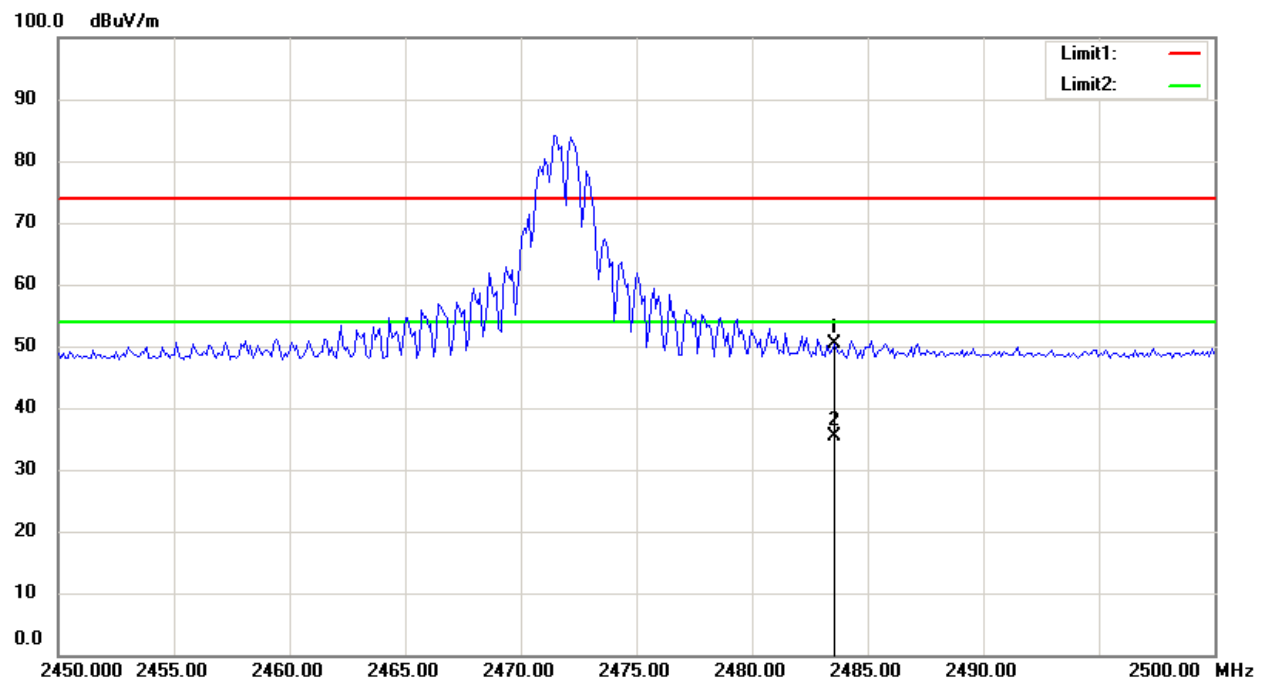
Registration number: W6M21008-10873-P-15  
FCC ID: YR3XPW-6370

### Radiated Emission on the band edge

2410 MHz



2472 MHz



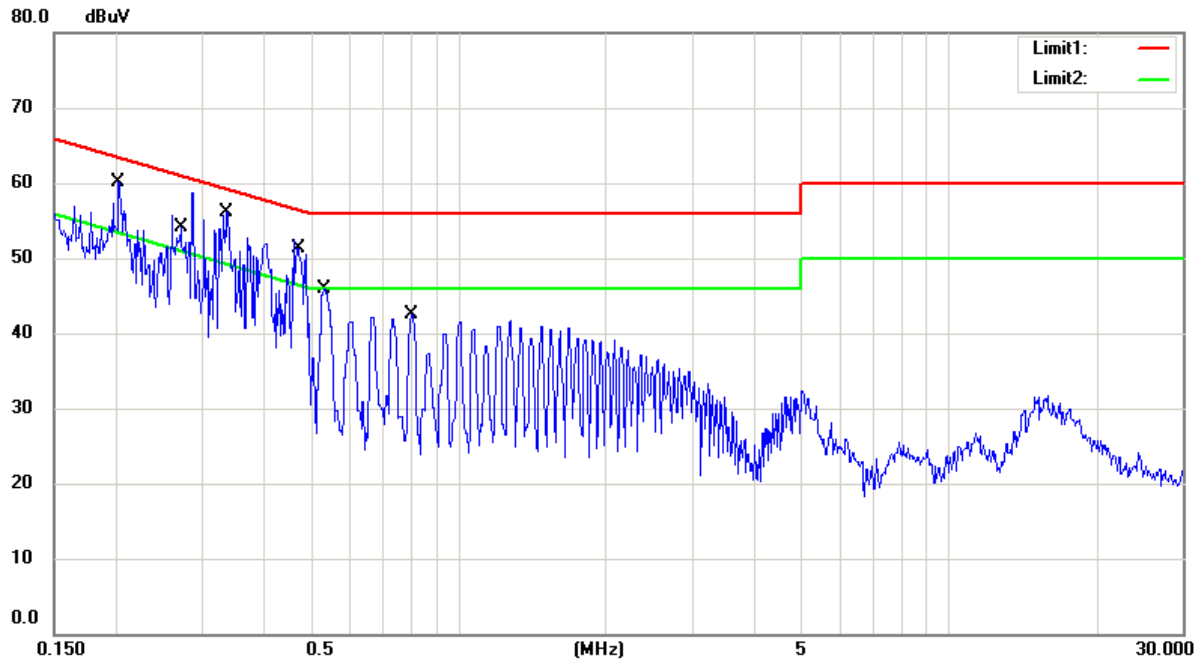


Registration number: W6M21008-10873-P-15

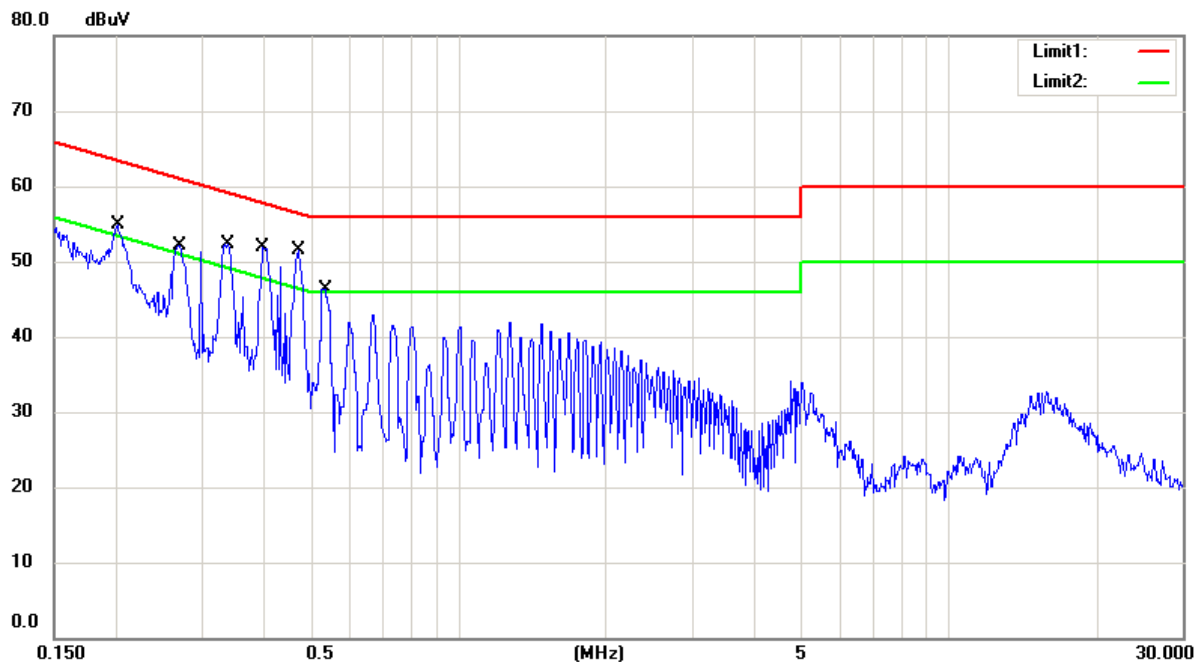
FCC ID: YR3XPW-6370

Power Line Conducted Emission

LISN N



LISN L1



Up Line: QP Limit Line Down Line: Ave Limit Line

Note:

1. The attached measurement plots are preliminarily pre-scanned with peak detector for determining the final checking frequencies and are for reference only.
2. The some frequencies may exceed the limit line without the specified detectors, but that cannot present the results are failed to the specification of test standard.
3. For corrected test results are listed in the relevant table of AC conducted test data of this test report.