

# FCC PART 15 SUBPART C TEST REPORT

for

**UHF RFID Reader Module**

**Model No.: UM800L**

**FCC ID: WXAUM800L**

of

Applicant: **GIGA-TMS INC.**

Address: **8F, NO.31, LANE 169, KANG-NING ST., HSI-CHIH,  
NEW TAIPEI CITY, 22180 TAIWAN**

Tested and Prepared

by

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

**FCC Registration No.: 930600**

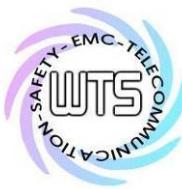
**Industry Canada filed test laboratory Reg. No. IC 5679A-1, IC 5107A-1**

**A2LA Accredited No.: 2732.01**



**Report No.: W6M21410-14528-C-1**

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: [wts@wts-lab.com](mailto:wts@wts-lab.com)



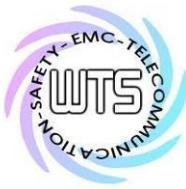
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

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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.

The test report may only be reproduced or published in full.

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

### **Tester:**

November 04, 2015

Robert Ren

Date

WTS-Lab.

Name

Signature

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

November 04, 2015

Kevin Wang

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, 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: /.

## **1.3 Details of approval holder**

Name: GIGA-TMS INC.

Street: 8F, NO.31, LANE 169, KANG-NING ST.,HSI-CHIH,

Town: NEW TAIPEI CITY, 22180

Country: TAIWAN

Telephone: 02-2695-4214

Fax: 02-2695-4213



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

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## **1.4 Application details**

Date of receipt of test item: May 13, 2015

Date of test: from May 14, 2015 to November 03, 2015

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

Type of test item: UHF RFID Reader Module

Model Number: UM800L

Multi-listing model number: ./.

Photos: see Annex

## **Technical data**

Frequency band: 902-928 MHz

Frequency ( ch A): 902.75 MHz

Frequency ( ch B): 915.25 MHz

Frequency ( ch C): 927.25 MHz

### Transmitter      Unom

Normal Mode

Power ( ch 1): Conducted: 26.50 dBm

Power ( ch 25): Conducted: 26.16 dBm

Power ( ch 50): Conducted: 26.22 dBm

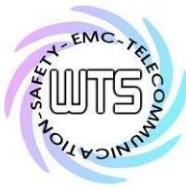
Power supply: 5Vdc & 3.3Vdc  
6Vdc(from testing jig)

Operation modes: Half-duplex

Modulation Type: PRASK

Antenna Type: Panel Antenna (for Antenna model: ANT800-US)  
Ceramic Patch Antenna(for Antenna model: PWD100)  
Patch Antenna(for Antenna model: EBD-101)

Antenna gain: 9.3 dBi(for Antenna model: ANT800-US)  
5 dBi(for Antenna model: PWD100)  
6.5 dBi(for Antenna model: EBD-101)



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

Host device: none

Classification:

Fixed Device	<input type="checkbox"/>
Mobile Device (Human Body distance > 20cm)	<input type="checkbox"/>
Portable Device (Human Body distance < 20cm)	<input type="checkbox"/>
Modular Radio Device	<input checked="" type="checkbox"/>

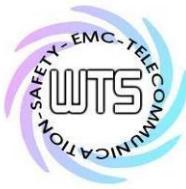
## **Manufacturer: (if applicable)**

Name: GIGATEK INC.  
Street: No. 47, Hsiang Ho Road, Tantzu District,  
Town: Taichung City 42741,  
Country: Taiwan, R.O.C.

Additional information: ./.

## **1.6 Test standards**

Technical standard : FCC RULES PART 15 SUBPART C § 15.247 (2014-10)



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

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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 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

Details of power supply 5Vdc & 3.3Vdc  
6Vdc(from testing jig)

Extreme conditions parameters: test voltage : -- extreme  
min : -- V  
max : -- V



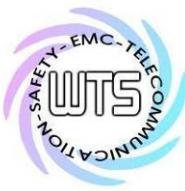
# Worldwide Testing Services(Taiwan) Co., Ltd.

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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	2015/9/4	2016/9/3
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 008	HF-EICHLEITUNG 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	2015/7/13	2016/7/12
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2015/9/7	2016/9/6
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2015/9/4	2016/9/3
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2015/8/14	2016/8/13
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	2015/6/22	2016/6/21
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2015/6/16	2016/6/15
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2015/3/17	2016/3/16
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	2015/3/19	2016/3/18
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2015/6/8	2016/6/7
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2015/3/2	2016/3/1
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	2015/9/6	2016/9/5
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2015/9/21	2016/9/20
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 111	TRILOG Super Broadband test Antenna	VULB 9160	9160-3309	Schwarz beck	2015/9/18	2016/9/17
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	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	2015/6/8	2016/6/7
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2015/8/11	2016/8/10
ETSTW-RE 126	5GHz Notch filter	5NSL11-5800/E221.3-O/O	1	K&L Microwave	2015/8/11	2016/8/10
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2015/3/2	2016/3/1

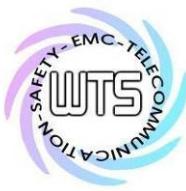


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ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2015/8/11	2016/8/10
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2015/8/11	2016/8/10
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 143	Humidity Temperature Meter	TES-1260	110104623	TES	2015/9/9	2016/9/8
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2015/8/14	2016/8/13
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2015/3/5	2016/3/4
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	2015/9/16	2016/9/15
ETSTW-Cable 010	BNC Cable	5 M BNC Cable	None	JYE BAO CO.,LTD.	2015/9/11	2016/9/10
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.	2015/9/11	2016/9/10
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2015/4/23	2016/4/22
ETSTW-Cable 022	N TYPE Cable	5006	0002	JYE BAO CO.,LTD.	2015/3/19	2016/3/18
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2015/3/2	2016/3/1
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2015/5/14	2016/5/13
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2015/9/21	2016/9/20
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2015/9/21	2016/9/20
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2015/3/2	2016/3/1
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.	2015/3/19	2016/3/18
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2015/3/19	2016/3/18
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMCA	None	Farad	Version ETS-03A1	



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## 2.4 General Test Procedure

**POWER LINE CONDUCTED INTERFERENCE:** The procedure used was ANSI STANDARD C63.10-2013 6.2 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 C63.10-2013 6.3 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. The ambient temperature of the UUT was 23°C with a humidity of 40 %.

**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:

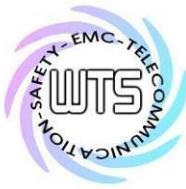
Freq (MHz)	METER READING + ACF + CABLE LOSS (to the receiver) = FS
33	20 dB $\mu$ V + 10.36 dB + 6 dB = 36.36 dB $\mu$ V/m @3m

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.10-2013 6.2.2. 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 Worldwide Testing Services(Taiwan) Co., Ltd. at the registered open field test site located No.5-1, Lishui, Shuang Sing Village, Wanli Dist., New Taipei City 207, Taiwan (R.O.C.). The Registration Number: **930600**.



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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.

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.

The formula is as follows:

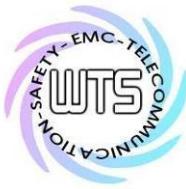
Average = Peak + Duty Factor

Duty Factor =  $20 \log (\text{dwell time}/T)$

T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

Modified Limits for peak according to 15.35 (b) = Max Permitted average Limits + 20dB

ANSI STANDARD C63.10-2013 B.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.



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

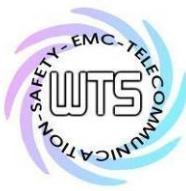
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## 3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equivalent radiated Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions radiated – Transmitter operating	15.247(c)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions conducted – Transmitter operating	15.247	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carrier Frequency Separation	15.247(a) (1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Number of Hopping Frequencies	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Time of Occupancy (Dwell Time)	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20 dB Bandwidth	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Band-edge Compliance of RF Emission	15.247(c)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Emission from Receiver Part	15.109	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Line Conducted Emission	15.207(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The follows is intended to leave blank.



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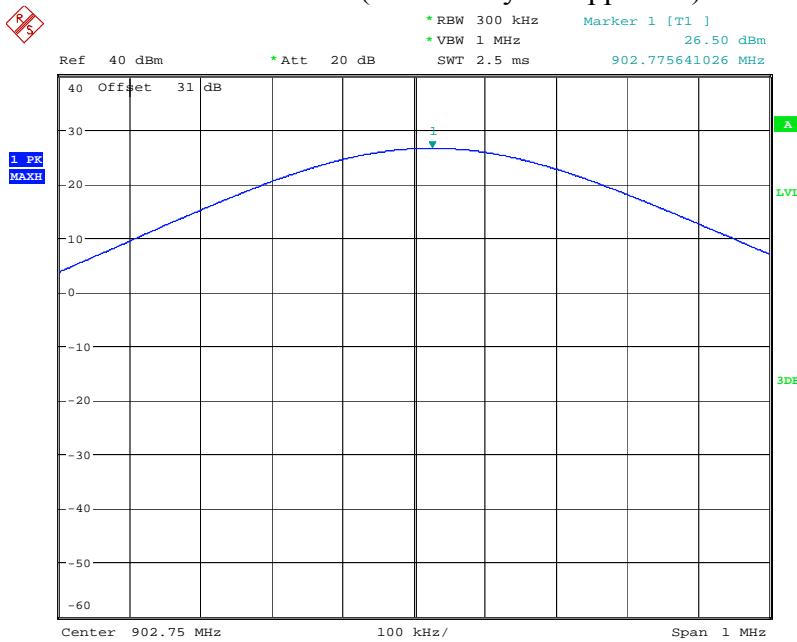
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## 3.1 Peak Output Power (transmitter)

FCC Rule: 15.247

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.

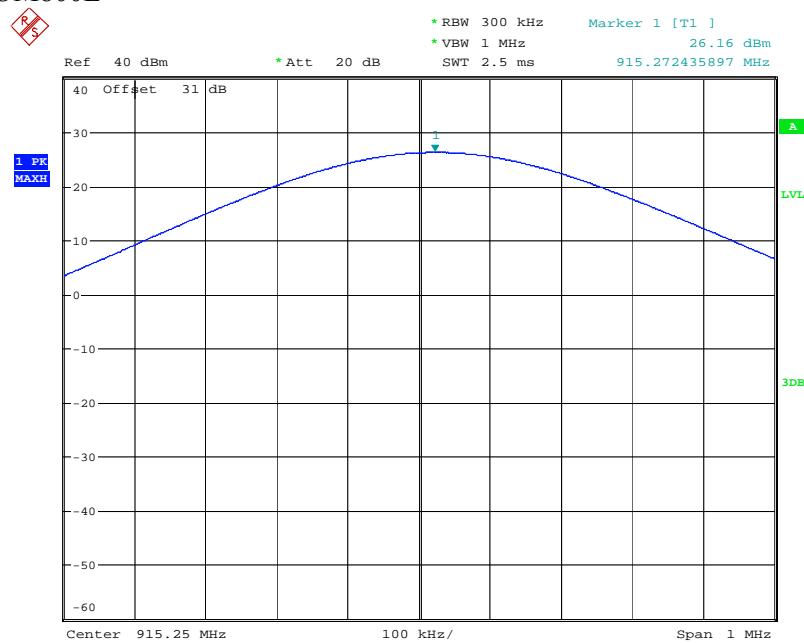
The power was measured with modulation (declared by the applicant).



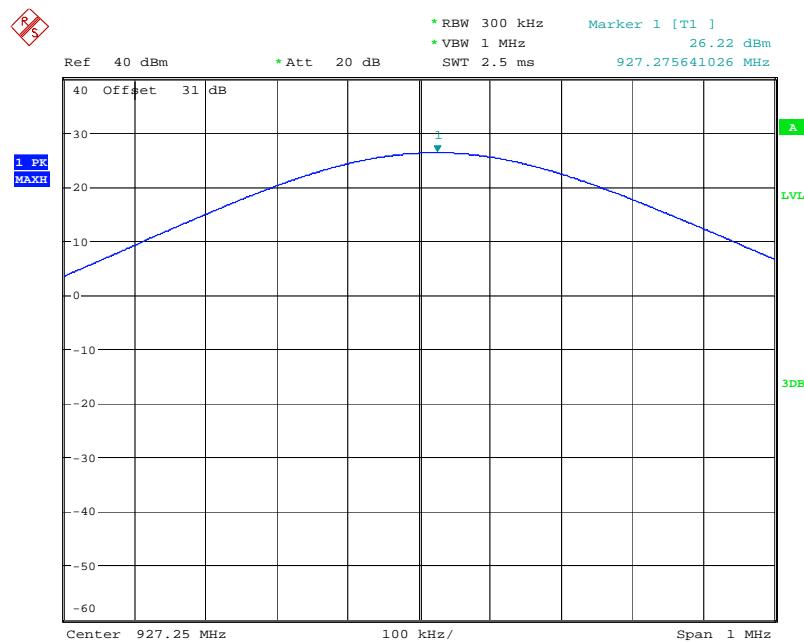
MAX OUTPUT POWER  
Date: 3.NOV.2015 11:05:24

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



MAX OUTPUT POWER  
Date: 3.NOV.2015 11:06:48



MAX OUTPUT POWER  
Date: 3.NOV.2015 11:07:13



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## **Maximum Peak Output Power**

Limits:

Frequency MHz	Number of hopping channels			
	$\geq 75$	$\geq 50$	$49 \geq 25$	$74 \geq 15$
902-928	--	30 dBm	24 dBm	--
2400-2483.5 MHz	30 dBm	--	--	21 dBm
5725-5850 MHz	30 dBm	--	--	--

In case of employing transmitter antennas having antenna gain >dB<sub>i</sub> and using fixed point-to point operation consider §15.247 (b)(4).

Test equipment used: ETSTW-RE 055, ETSTW-RE 050, ETSTW-RE 064



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## **3.2 RF Exposure Compliance Requirements**

According to Supplement C, Edition 01-01 to OET Bulletin 65, Edition 97-01 this spread spectrum transmitter is categorically excluded from routine environmental evaluation because of the low power level, where there is a high likelihood of compliance with RF exposure standards.

$$S = \frac{PG}{4\pi R^2}$$

S – Power Density

P – Output power ERP

R – Distance

D – Cable Loss

AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	446.6836	Peak value
D	dB		
AG	dBi	9.3	
G		8.5114	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.7564	Calculated value

Limits:

Limit for General Population / Uncontrolled Exposure	
Frequency (MHz)	Power Density (mW/cm <sup>2</sup> )
1500 – 100.000	1.0



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

Registration number: W6M21410-14528-C-1

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### **3.3 Out of Band Radiated Emissions**

FCC Rule: 15.247(c) , 15.35

For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement.

Limits:

For frequencies below 1GHz :

Max. reading – 20 dB

Guidance on Measurement of FHSS Systems:

“If the emission is pulsed, modify the unit for continuous operation , use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.” Here the correction was added to the limit instead subtracted from the reading.

Duty Cycle correction =  $20 \log (\text{dwell time}/100\text{ms})$

For frequencies above 1GHz (Peak measurements).

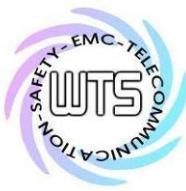
Limit = max. aver. reading-20dB +20dB(because Peak detector is used)

For frequencies above 1GHz (Average measurements).

Max. reading – 20 dB - duty cycle correction:

No duty cycle correction was added to the reading

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 111, ETSTW-RE 030, ETSTW-RE 064



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

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## **3.4 Transmitter Radiated Emissions in restricted Bands**

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35

Radiated emission measurements were performed from 30 MHz to 26000 MHz.

For radiated emission tests, the analyzer setting was as follows:

RES BW VID BW

Frequency <1 GHz 100 kHz 100 kHz (Peak measurements)

Frequency >1 GHz 1 MHz 1 MHz (Peak measurements)

1 MHz 1 MHz (Average measurements)

Limits:

For frequencies below 1GHz :

Frequency of Emission (MHz)	Field strength (microvolts/meter)	Field Strength (dB microvolts/meter)
30 – 88	100	40.0
88 – 216	150	43.5
216 – 960	200	46.0
Above 960	500	54.0

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of FHSS Systems:

"If the emission is pulsed, modify the unit for continues operation , use the settings shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation." Here the correction was added to the limit instead subtracted from the reading.

Duty cycle correction =  $20 \log (\text{dwell time}/100\text{ms})$

For frequencies above 1GHz (Average measurements).

Limit – duty cycle correction

No duty cycle correction was added to the reading.

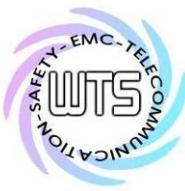
54.0dB $\mu$ V/m

For frequencies above 1GHz (Peak measurements).

Limit + 20dB

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

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 064



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

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## **3.5 Spurious emissions (tx)**

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

In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c))

**SAMPLE CALCULATION OF LIMIT.** All results will be updated by an automatic measuring system in accordance to point 2.3.

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.

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

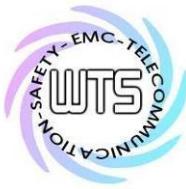
In the Table being listed the critical peak and average value an exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Marker-Delta-Method" or the „Duty-Cycle Correction Factor“.

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

Model:	UM800L		Date:	--					
Mode:			Temperature:	--	°C	Engineer:	--		
Polarization:	Horizontal		Humidity:	--	%				
Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)	
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--

Mode:			Temperature:	--		°C	Engineer:	--	
Polarization:	Vertical		Humidity:	--	--	%			
Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)	
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## 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. Measurement uncertainty above 1GHz: 30-1000 MHz = ± 4.32 dB, 1-18 GHz = ± 4.95 dB,  
18-40 GHz = ± 2.94 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
6. See attached diagrams in appendix.

All other not noted test plots do not contain significant test results in relation to the limits.

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

Test equipment used: ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 064  
ETSTW-RE 088, ETSTW-RE 018

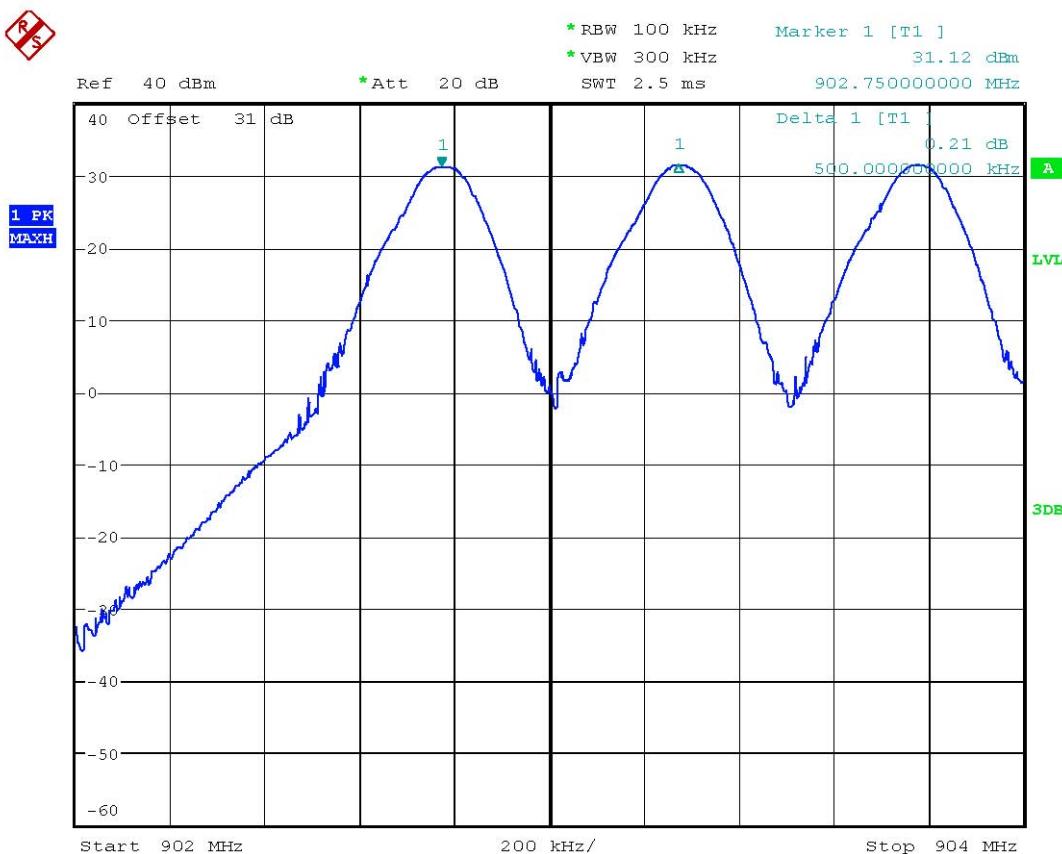
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

### 3.6 Carrier Frequency Separation

Carrier Frequency Separation was measured with modulation (declared by manufacturer).

According to FCC rules part 15 subpart C §15.247 frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or 20 dB bandwidth of the hopping channel, whichever is greater.

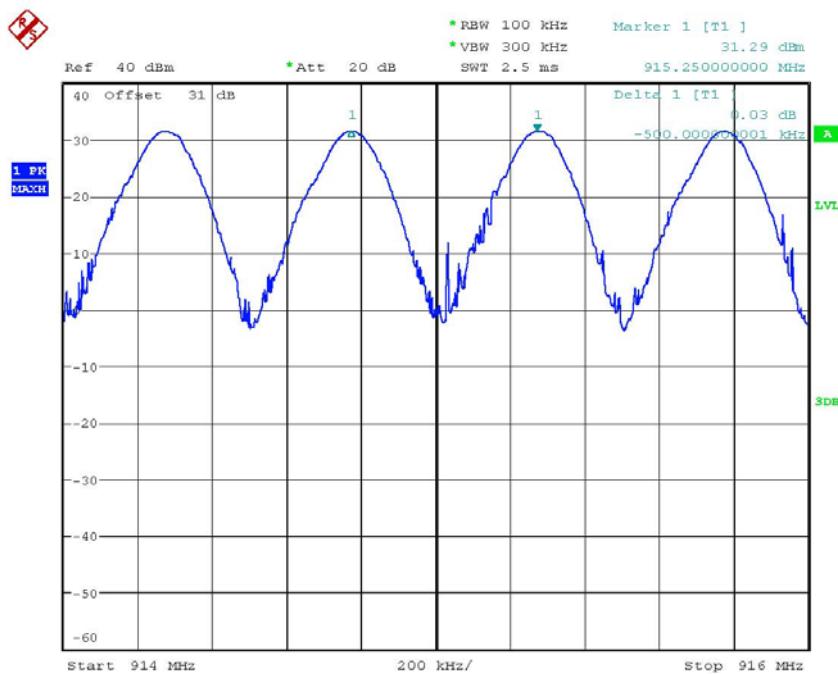


FREQUENCY SEPARATION

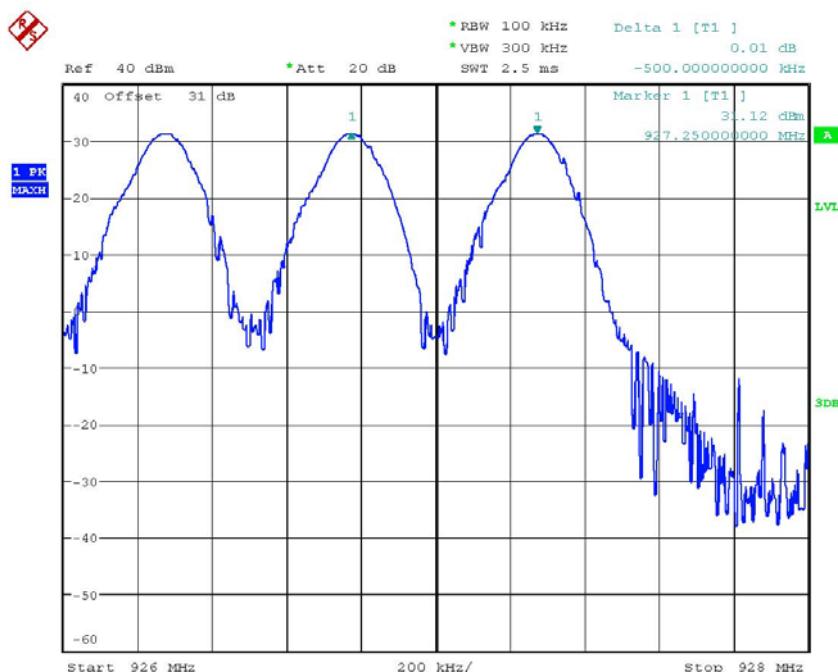
Date: 19.MAY.2015 19:09:17

Registration number: W6M21410-14528-C-1

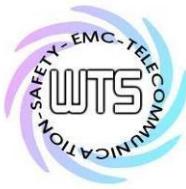
FCC ID: WXAUM800L



FREQUENCY SEPARATION  
Date: 19.MAY.2015 19:12:05



FREQUENCY SEPARATION  
Date: 19.MAY.2015 19:13:28



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## Limits:

Frequency Range MHz	Limits	
	20 dB bandwidth < 25 kHz	20 dB bandwidth > 25 kHz
902-928	25 kHz	20 dB bandwidth
2400-2483.5	25 kHz	20 dB bandwidth
5725-5850.0		

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

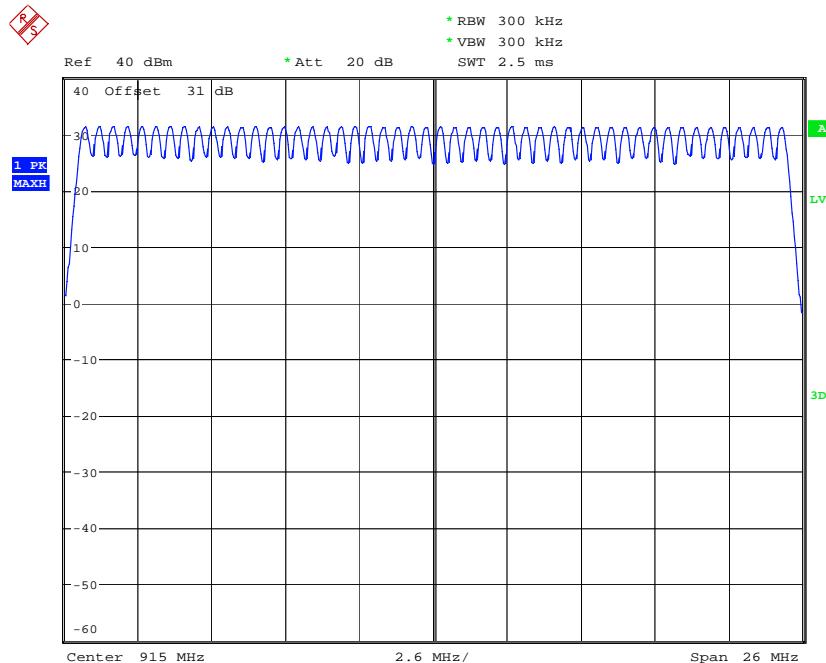
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

### 3.7 Number of Hopping Frequencies

According to FCC rules part 15 subpart C §15.247 frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 15 hopping frequencies. Frequency hopping systems in 5725-5850 MHz bands shall use least 75 hopping frequencies.

For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20dB bandwidth of the hopping channel 250 kHz or greater, the system shall use at least 25 hopping frequencies.

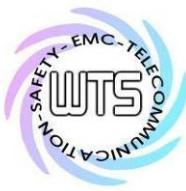


NUMBER OF HOPPING  
Date: 19.MAY.2015 19:15:07

### Limits:

Frequency Range MHz	Limit	
	20dB Bandwidth	Number of Channels
902-928 MHz	Bandwidth < 250 kHz	$\geq 50$
	Bandwidth $\geq 250$ kHz	$\geq 25$
2400-2483.5	not defined	15
5725-5850.0 MHz	1 MHz	75

Test equipment used: ETSTW-RE 055, ETSTW-RE 064



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## **3.7.1 Pseudorandom Frequency Hopping Sequence**

Channel	MHz	Channel	MHz
Ch1	902.75	Ch26	915.25
Ch2	903.25	Ch27	915.75
Ch3	903.75	Ch28	916.25
Ch4	904.25	Ch29	916.75
Ch5	904.75	Ch30	917.25
Ch6	905.25	Ch31	917.75
Ch7	905.75	Ch32	918.25
Ch8	906.25	Ch33	918.75
Ch9	906.75	Ch34	919.25
Ch10	907.25	Ch35	919.75
Ch11	907.75	Ch36	920.25
Ch12	908.25	Ch37	920.75
Ch13	908.75	Ch38	921.25
Ch14	909.25	Ch39	921.75
Ch15	909.75	Ch40	922.25
Ch16	910.25	Ch41	922.75
Ch17	910.75	Ch42	923.25
Ch18	911.25	Ch43	923.75
Ch19	911.75	Ch44	924.25
Ch20	912.25	Ch45	924.75
Ch21	912.75	Ch46	925.25
Ch22	913.25	Ch47	925.75
Ch23	913.75	Ch48	926.25
Ch24	914.25	Ch49	926.75
Ch25	914.75	Ch50	927.25

## **3.7.2 Coordination of hopping sequences to other transmitters**

This transmitter does not have the ability of being coordinated with other FHSS system for as soon as the transmitter is in operation, the hopping frequency will follow the selected hopping sequence to transmit independently and no coordination is possible. Especially, this transmitter is used as a UHF RFID READER, so no coordination of hopping frequency is required.

## **3.7.3 System Receiver Hopping Capability**

Due to each hopping frequency will be transmitted in accordance to the frequency tables described above, there is no any frequency will be able to hop more times than others. Therefore each frequency will be used equally.

Registration number: W6M21410-14528-C-1

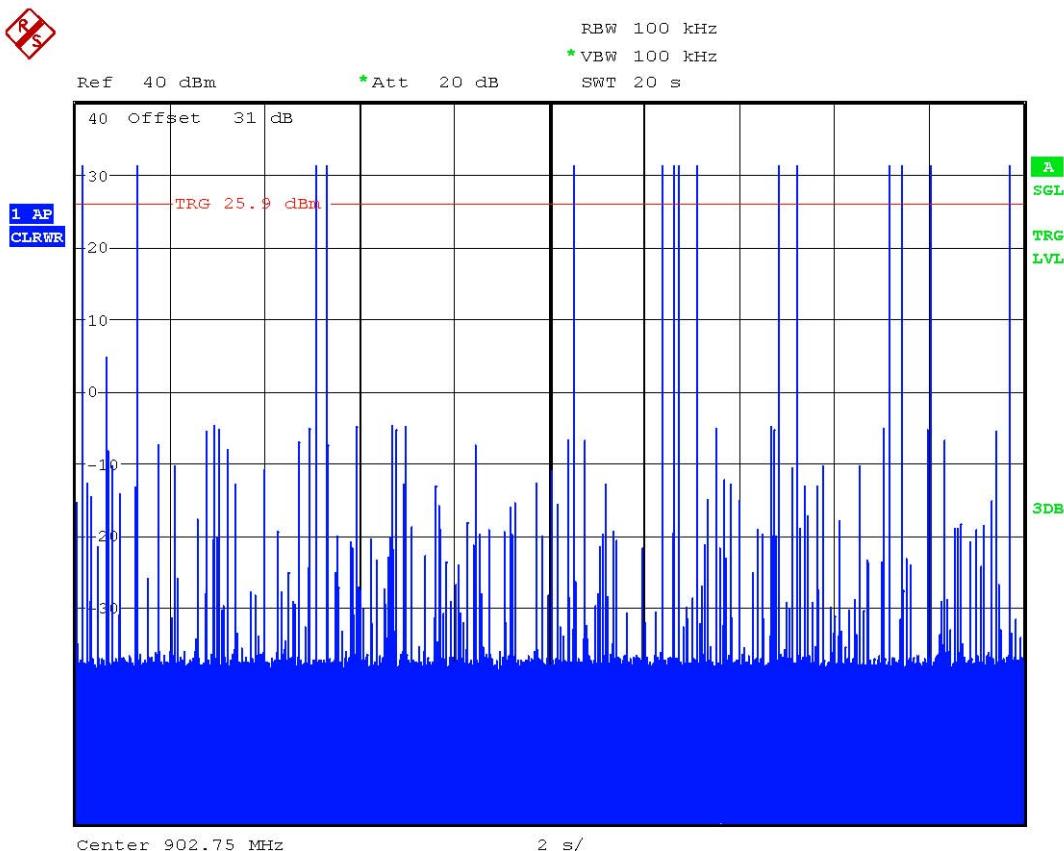
FCC ID: WXAUM800L

### 3.8 Time of Occupancy (Dwell Time)

Frequency hopping systems operating in the 5725-5850 MHz band shall use an average time of occupancy on any frequency not greater than 0.4 seconds within a 30 second period.

In 2400-2483.5 MHz band the average time of occupancy on any channel shall not be greater than 0.4 seconds multiplied by the number of hopping channels employed.

For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any frequency shall not greater than 0.4 seconds within a 20 second period; if the 20dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

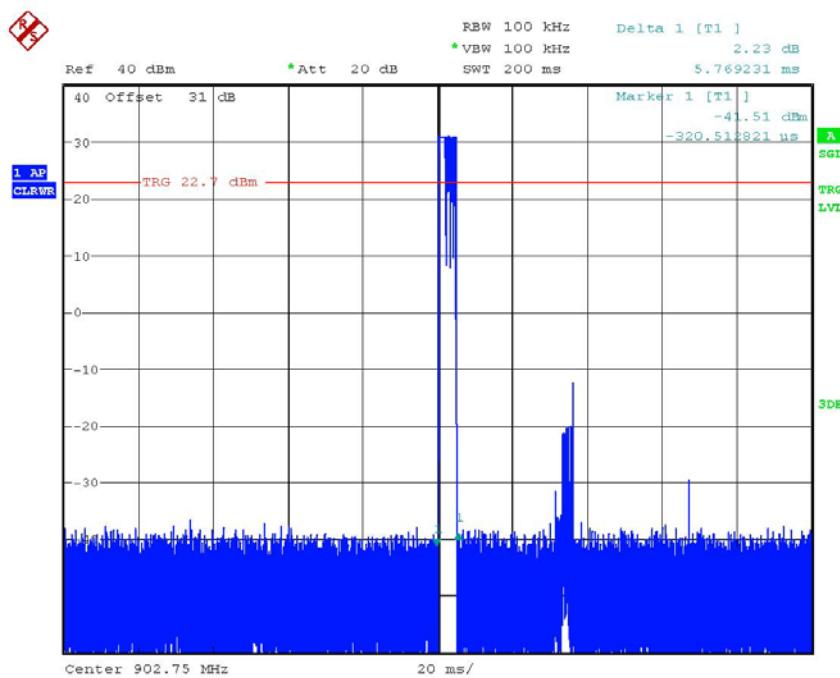


DWELL TIME

Date: 19.MAY.2015 19:19:59

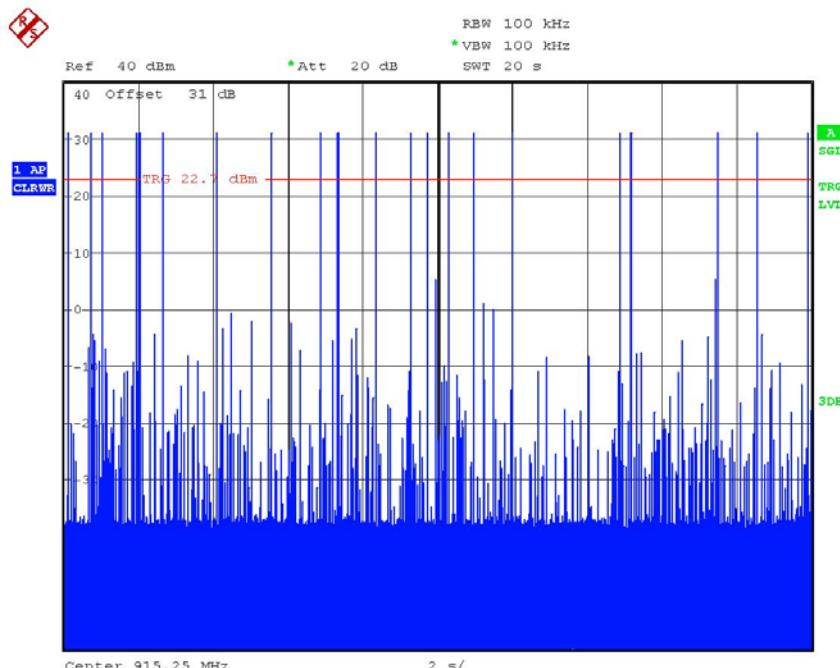
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



DWELL TIME (5.769ms + 15 = 86.535ms)

Date: 19.MAY.2015 19:26:57

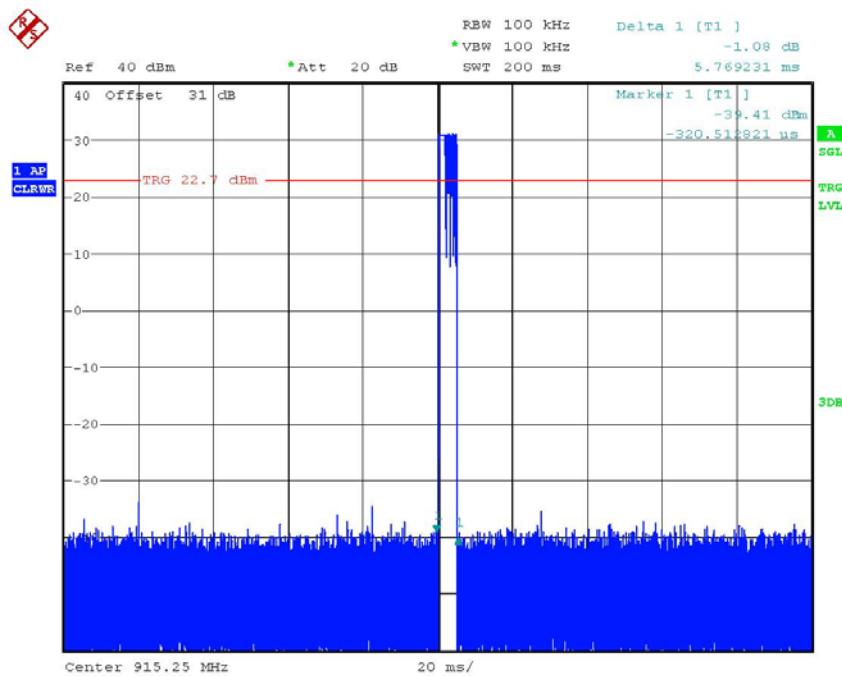


DWELL TIME

Date: 19.MAY.2015 19:40:49

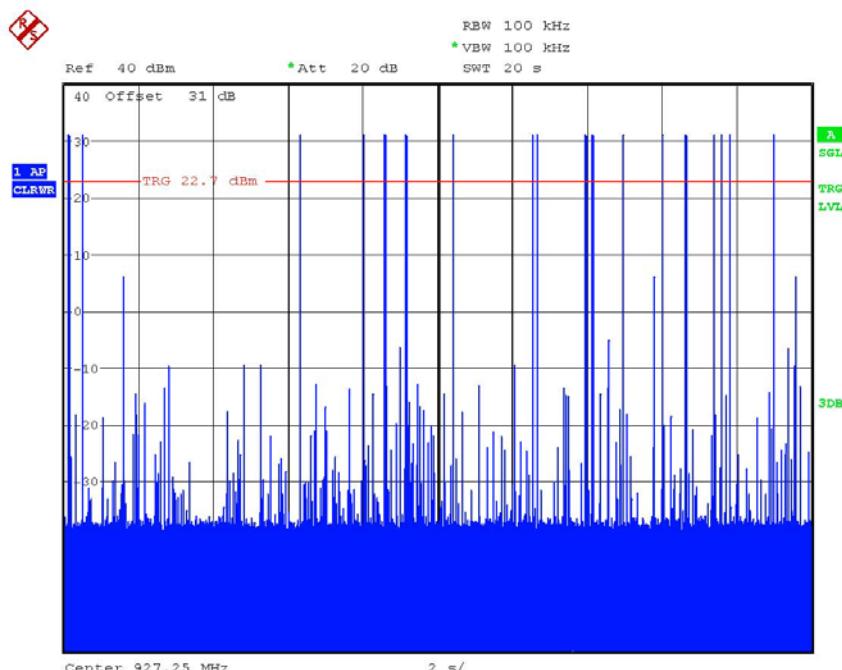
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



DWELL TIME (5.769ms + 19 = 109.611ms)

Date: 19.MAY.2015 19:41:49

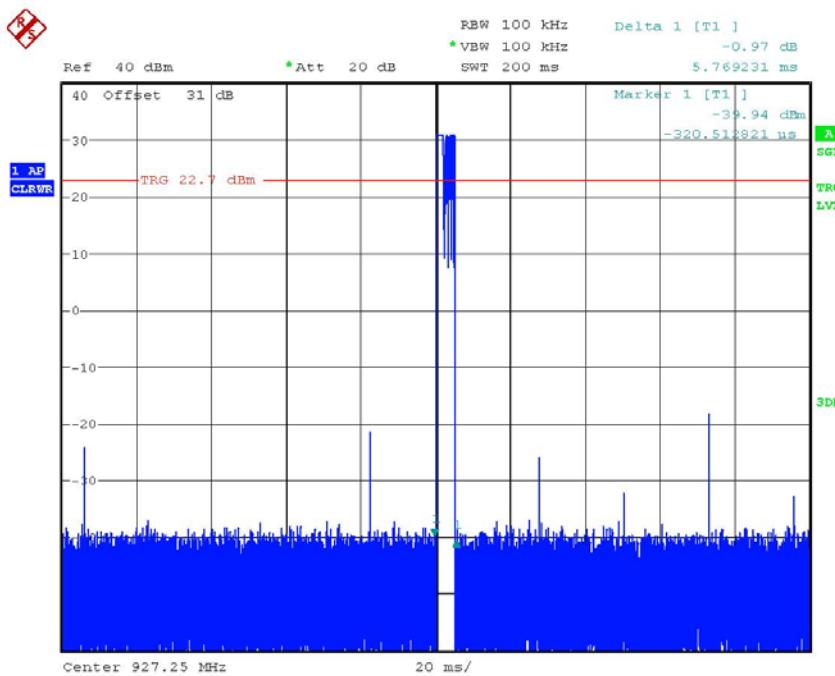


DWELL TIME

Date: 19.MAY.2015 19:42:49

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



DWELL TIME (5.769ms + 18 = 103.842ms)

Date: 19.MAY.2015 19:43:30

## Limits and measurement periods:

Frequency MHz	Number of channels	Measurement Period	Limit
902 – 928	≥50	20 s	0.4 s
	49 ≥ 25	10 s	0.4 s
2400 – 2483.5	≥ 15	0.4 s * number of used channels	0.4 s
5725- 5850	≥ 75	30 s	0.4s

Test equipment used: ETSTW-RE 055, ETSTW-RE 064

Registration number: W6M21410-14528-C-1

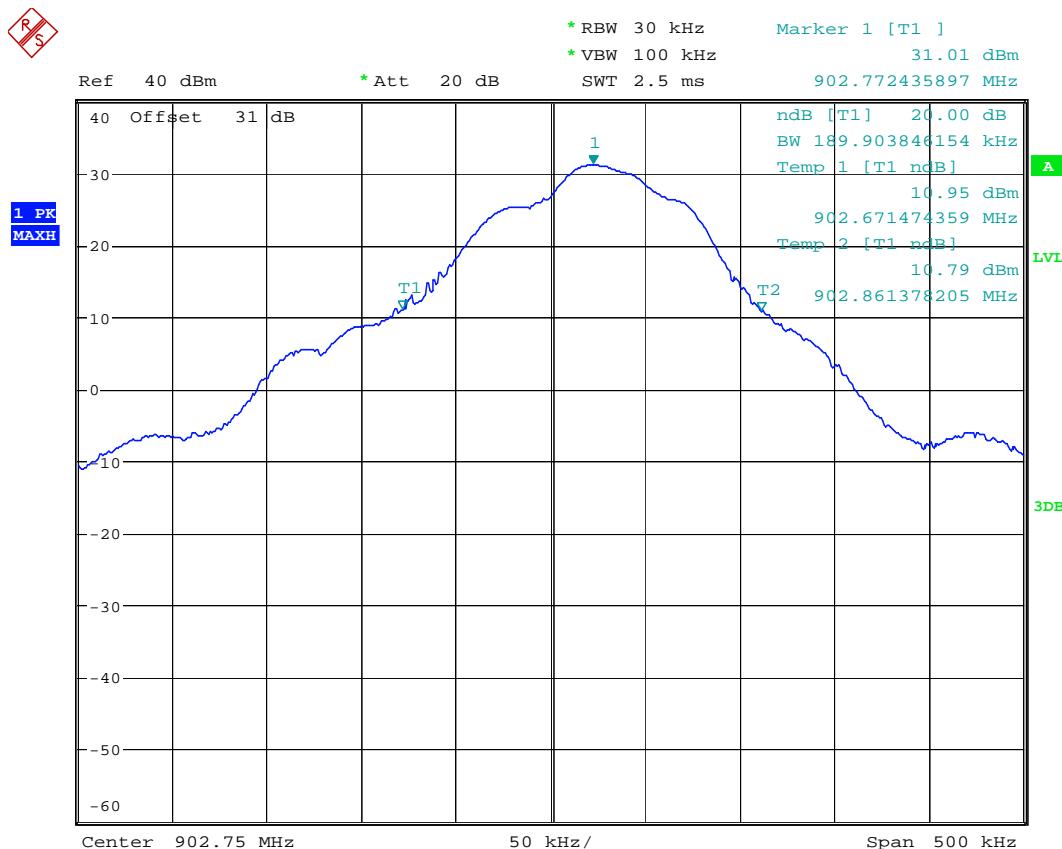
FCC ID: WXAUM800L

### 3.9 20dB Bandwidth

Frequency hopping systems operating in the 5725-5850 MHz bands shall use a maximum 20dB bandwidth of 1 MHz.

The 20dB bandwidth is measured on the lowest, middle and highest hopping channel.

For frequency hopping systems operating in the 902-928 MHz band the maximum 20dB bandwidth of the hopping channel is 500 kHz.

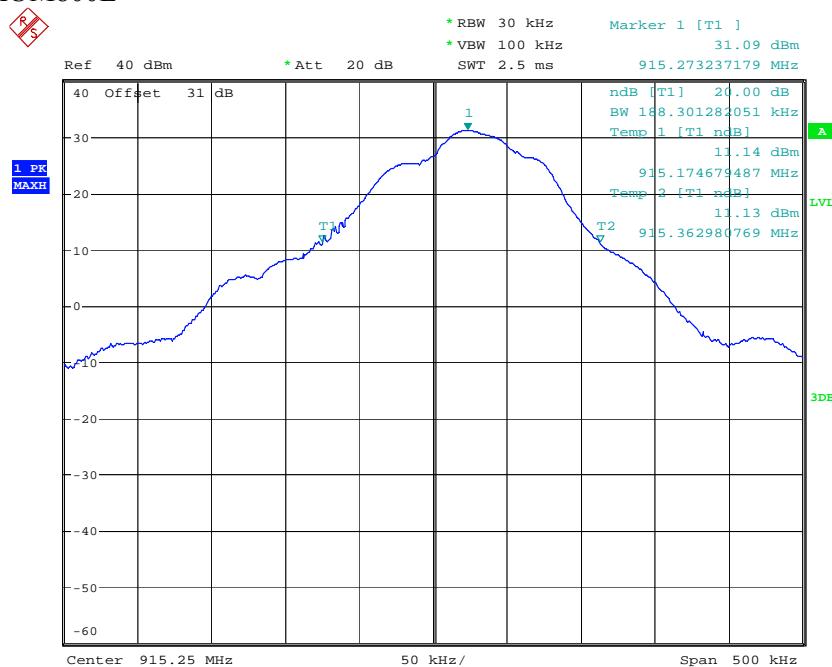


20DB BANDWIDTH

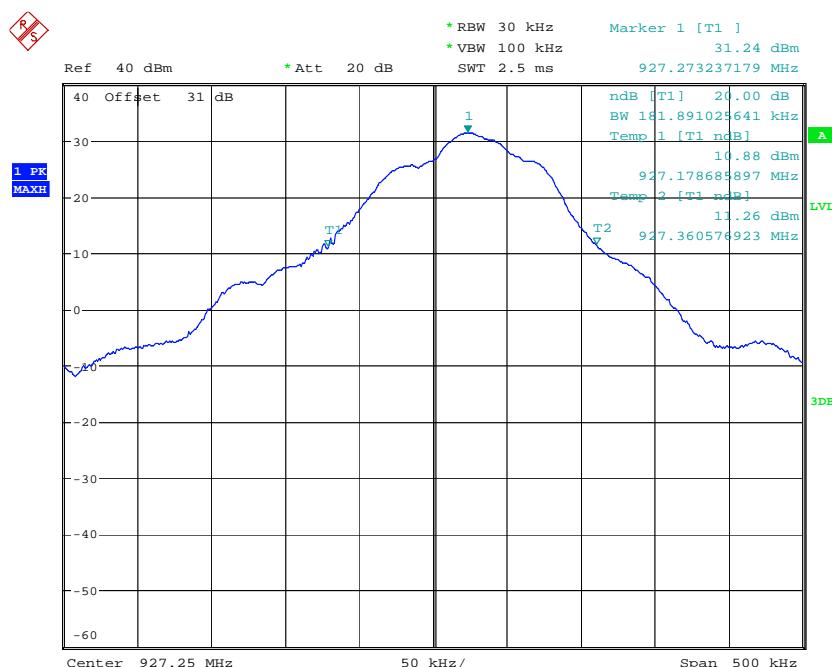
Date: 19.MAY.2015 18:59:02

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



20DB BANDWIDTH  
Date: 19.MAY.2015 18:58:45



20DB BANDWIDTH  
Date: 19.MAY.2015 18:58:16



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Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## Limits:

Frequency Range / MHz	Limit
902-928	$\leq 500$ kHz
2400-2483.5	not defined
5725-5850	$\leq 1$ MHz

Test equipment used: ETSTW-RE 055, ETSTW-RE 064



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

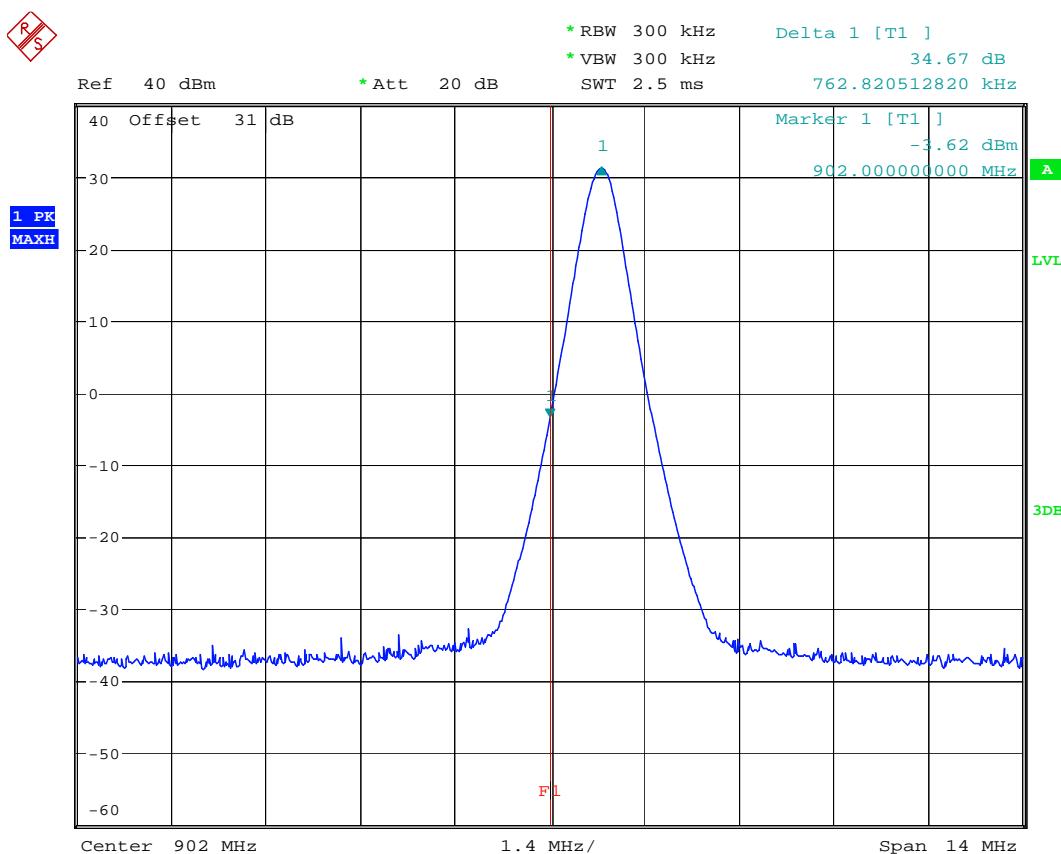
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## 3.10 Band-edge Compliance of RF Emissions

According to FCC rules part 15 subpart C §15.247(c) in any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

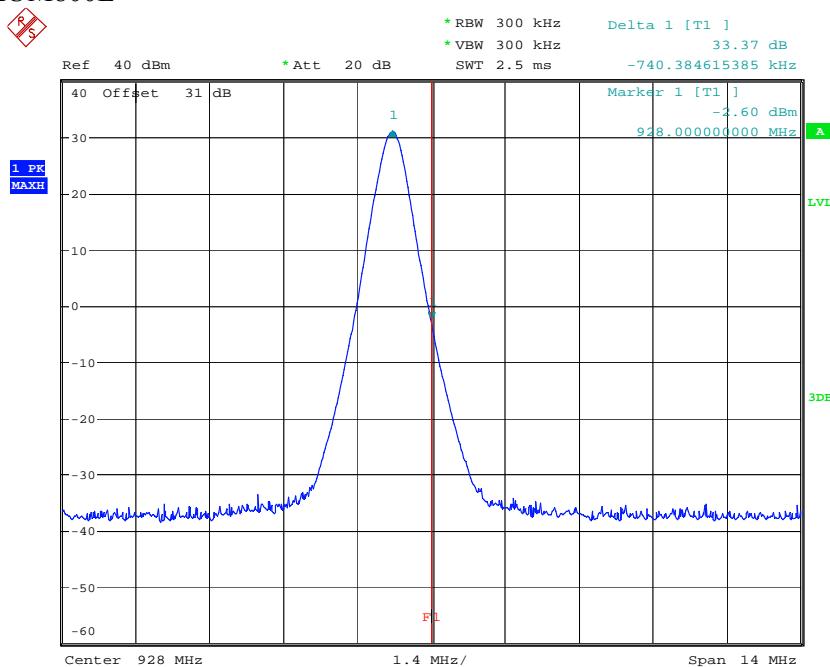


BANDEdge

Date: 19.MAY.2015 19:00:22

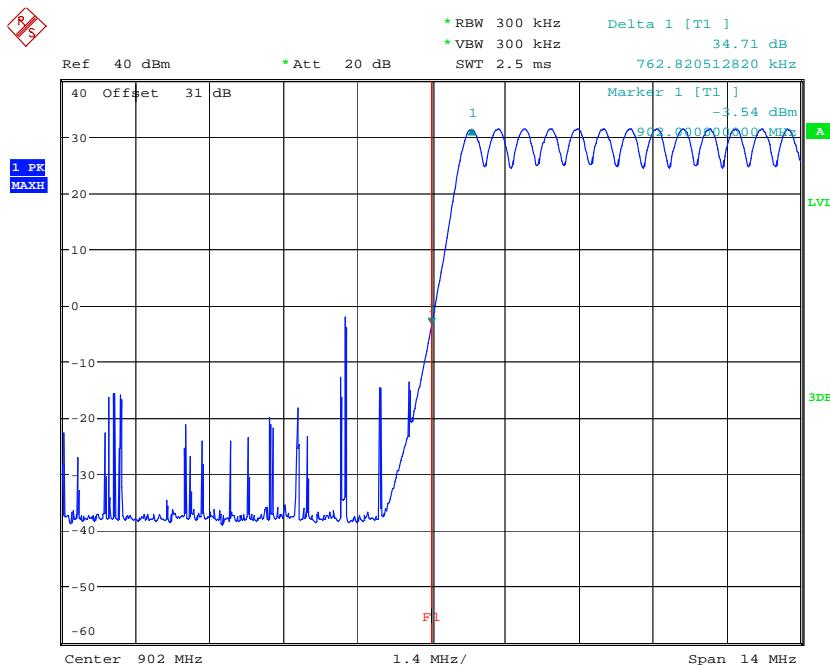
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



#### BANDEDGE

Date: 19.MAY.2015 19:01:15

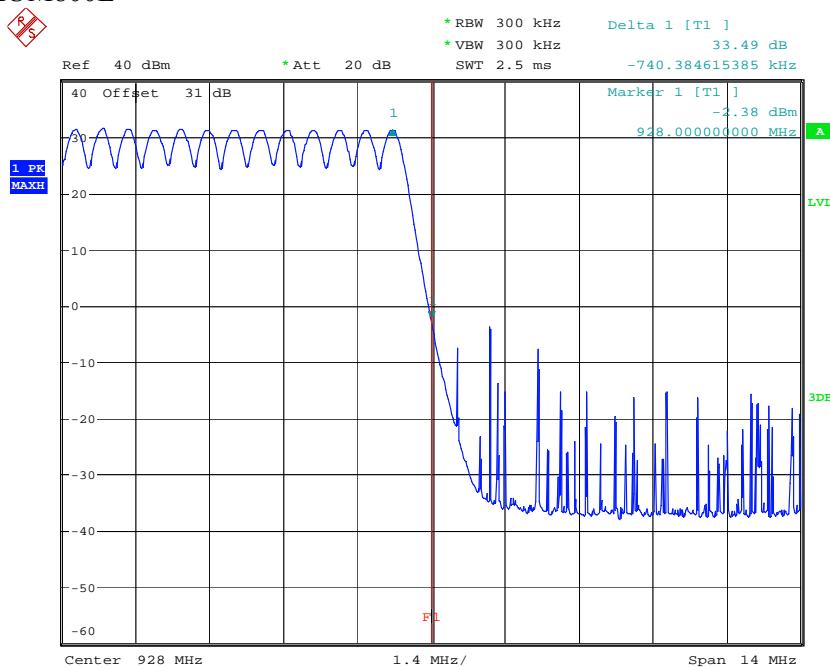


#### BANDEDGE HOPPING MODE

Date: 19.MAY.2015 19:03:07

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

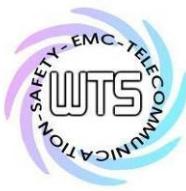


BANDEDGE HOPPING MODE  
Date: 19.MAY.2015 19:02:45

## Limits:

Frequency Range / MHz	Limit
902 – 928	
2400 – 2483.5	- 20 dB
5725 - 5850	

Test equipment used: ETSTW-RE 055, ETSTW-RE 064



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

Registration number: W6M21410-14528-C-1

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## 3.11 Radiated Emissions from Receiver Part

FCC Rule: 15.109

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

Model: UM800L Date: --  
Mode: Temperature: -- °C Engineer: --  
Polarization: Horizontal Humidity: -- %

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV/m) Peak Ave.	Limit (dBuV/m) Peak Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.						
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Polarization: Vertical

Humidity: -- %

Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV/m) Peak Ave.	Limit (dBuV/m) Peak Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.						
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

- 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. Measurement uncertainty above 1GHz: 30-1000 MHz = ±4.32 dB, 1-18 GHz = ± 4.95 dB, 18-40 GHz = ± 2.94 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
  6. See attached diagrams in appendix



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

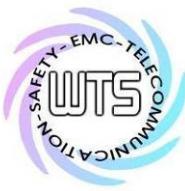
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

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 (MHz)	Field Strength (microvolts/meter)	Field Strength (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 055, ETSTW-RE 064, ETSTW-RE 003, ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 111



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## 3.12 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.

Model:	UM800L	Date:	--					
Mode:		Temperature:	--	°C		Engineer:	--	
Polarization:	N	Humidity:	--	%				
Frequency (MHz)	Reading (dBuV) QP Ave.	Factor (dB) Corr.	Result (dBuV) QP Ave.		Limit (dBuV) QP Ave.		Margin (dB)	
--	--	--	--	--	--	--	--	
--	--	--	--	--	--	--	--	

Polarization:	L							
Frequency (MHz)	Reading (dBuV) QP Ave.	Factor (dB) Corr.	Result (dBuV) QP Ave.		Limit (dBuV) QP Ave.		Margin (dB)	
--	--	--	--	--	--	--	--	
--	--	--	--	--	--	--	--	

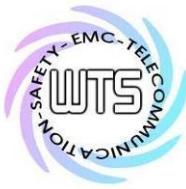
### Limits:

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

### 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 =  $\pm 1.67$  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 there is no AC power line or signal line for this EUT.

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW-RE 064



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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

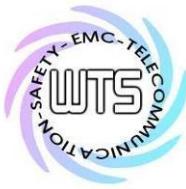
## Appendix

### **A. Photos**

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

### **B. Measurement diagrams**

Spurious Emissions radiated



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

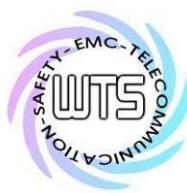
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

## External Photos

Antenna model: ANT800-US





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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L





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

Registration number: W6M21410-14528-C-1

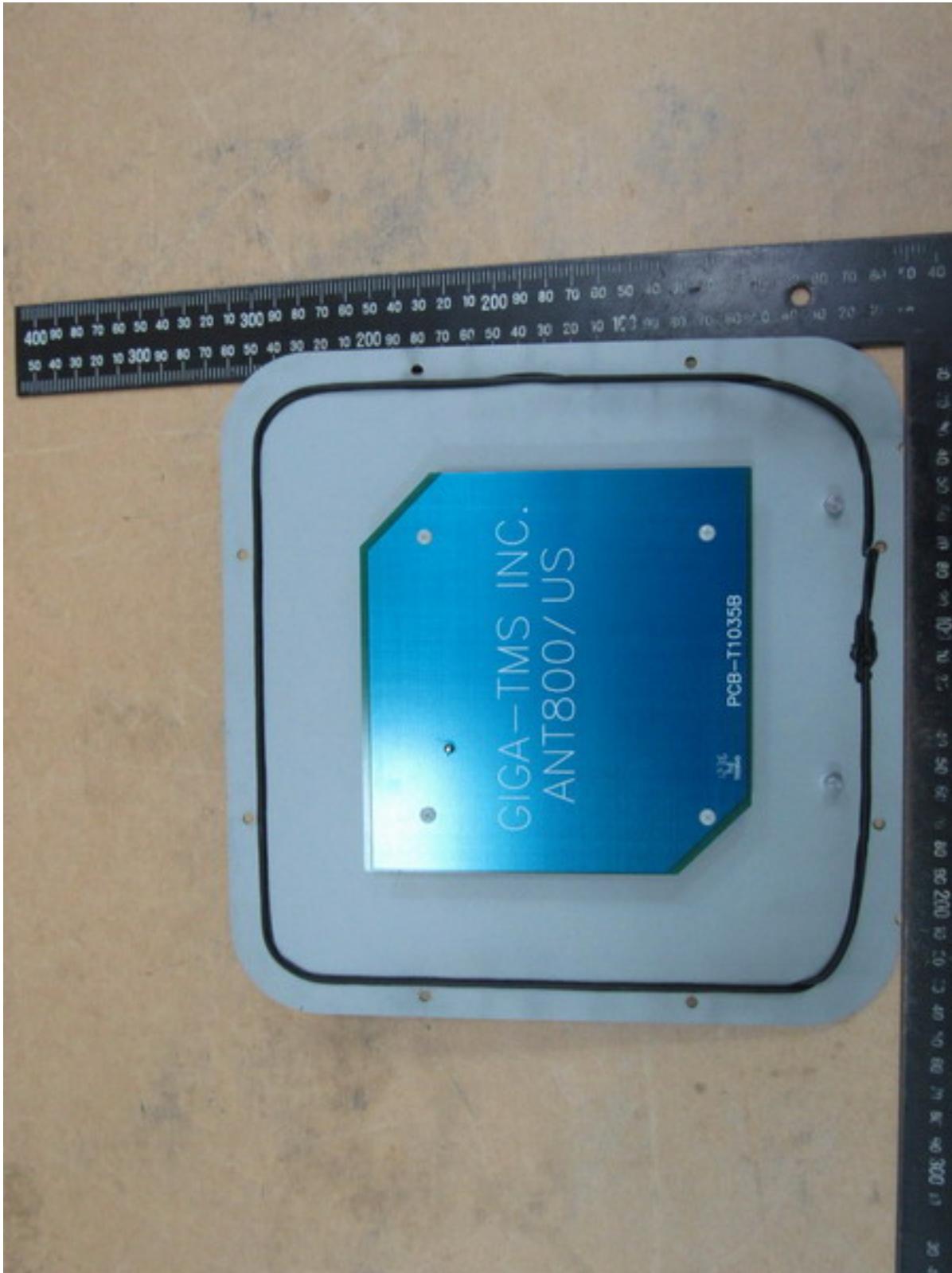
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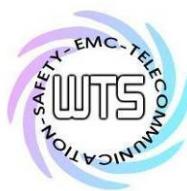




# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21410-14528-C-1  
FCC ID: WXAUM800L





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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



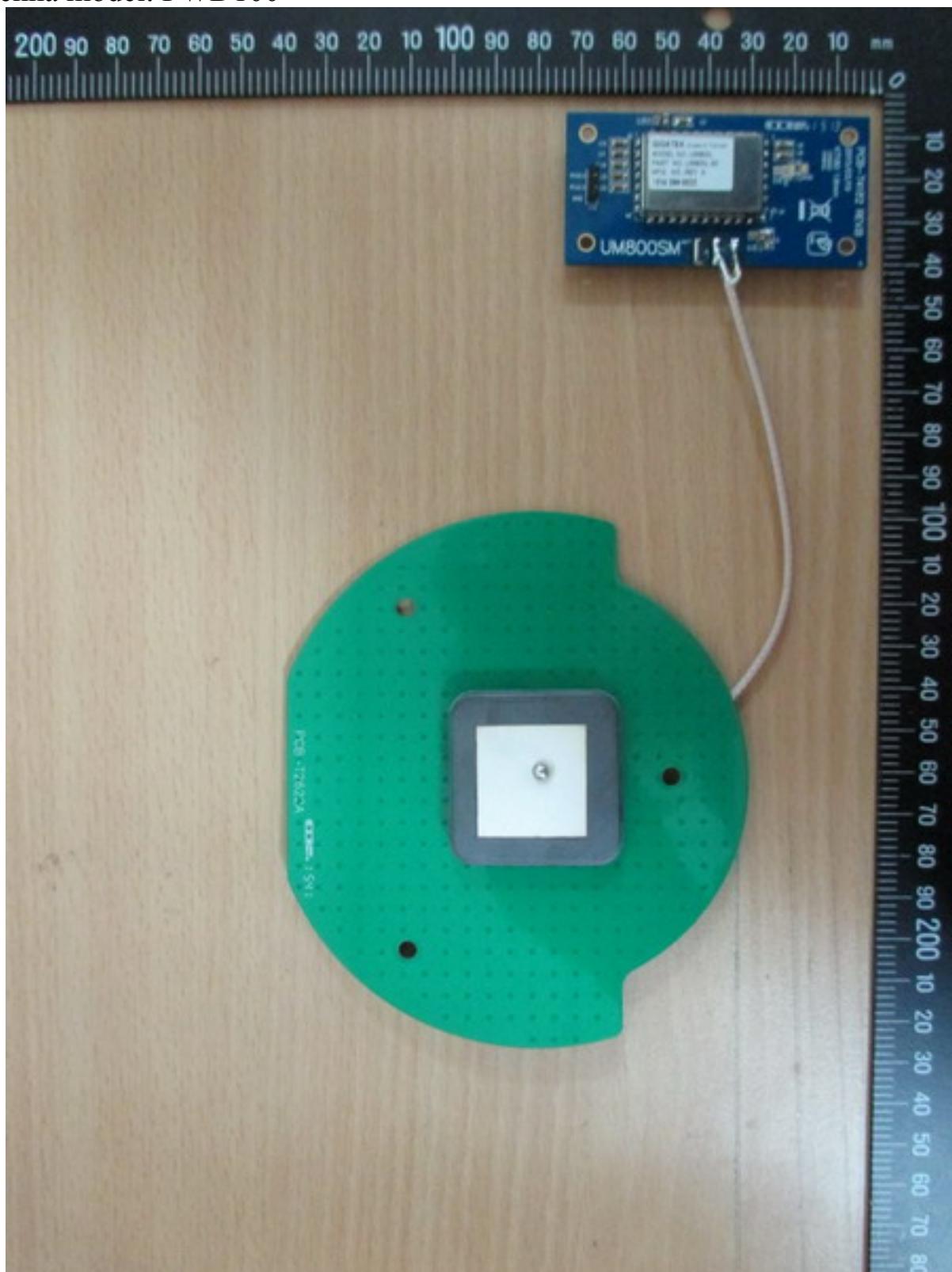


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Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

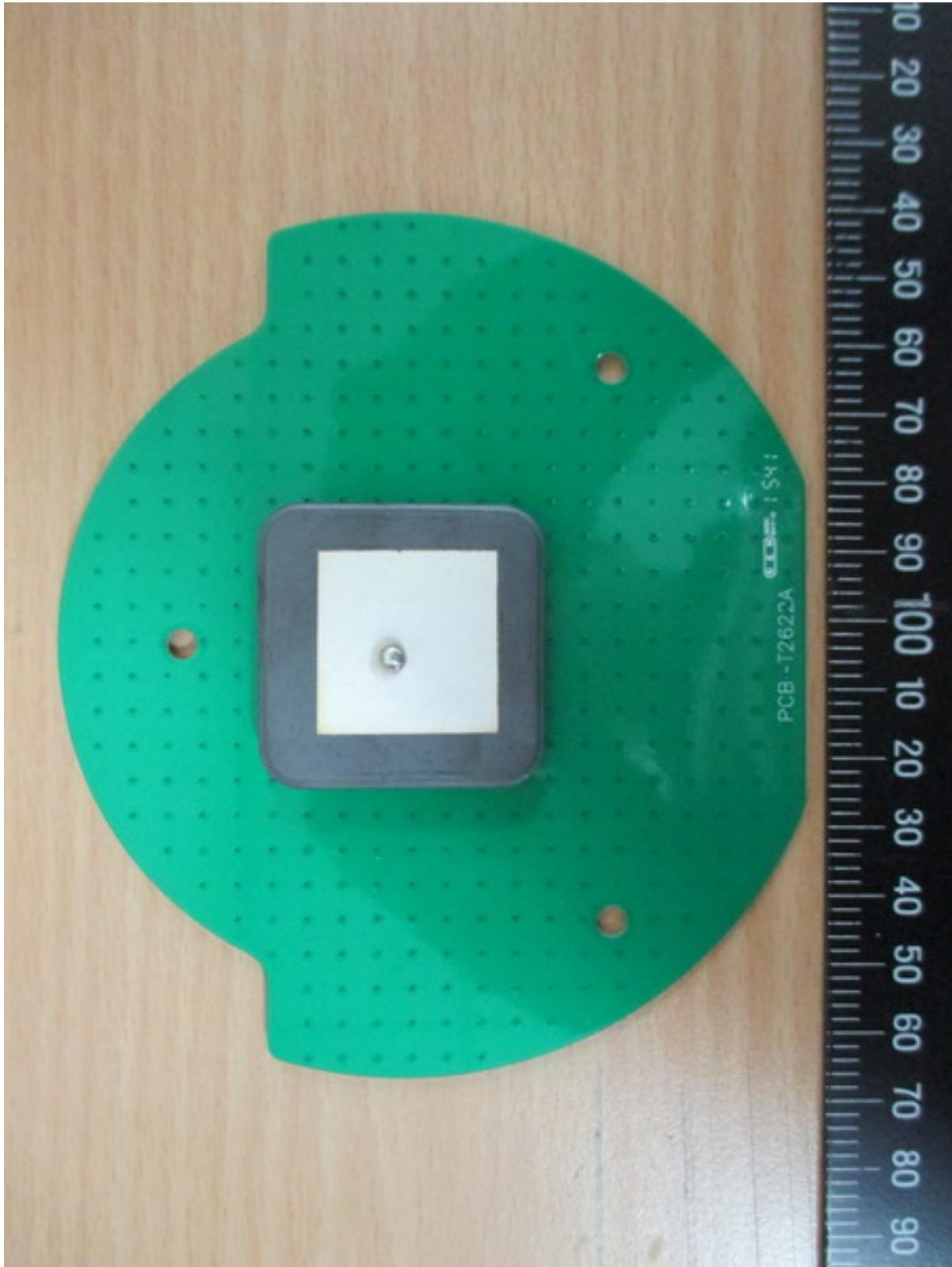
Antenna model: PWD100





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

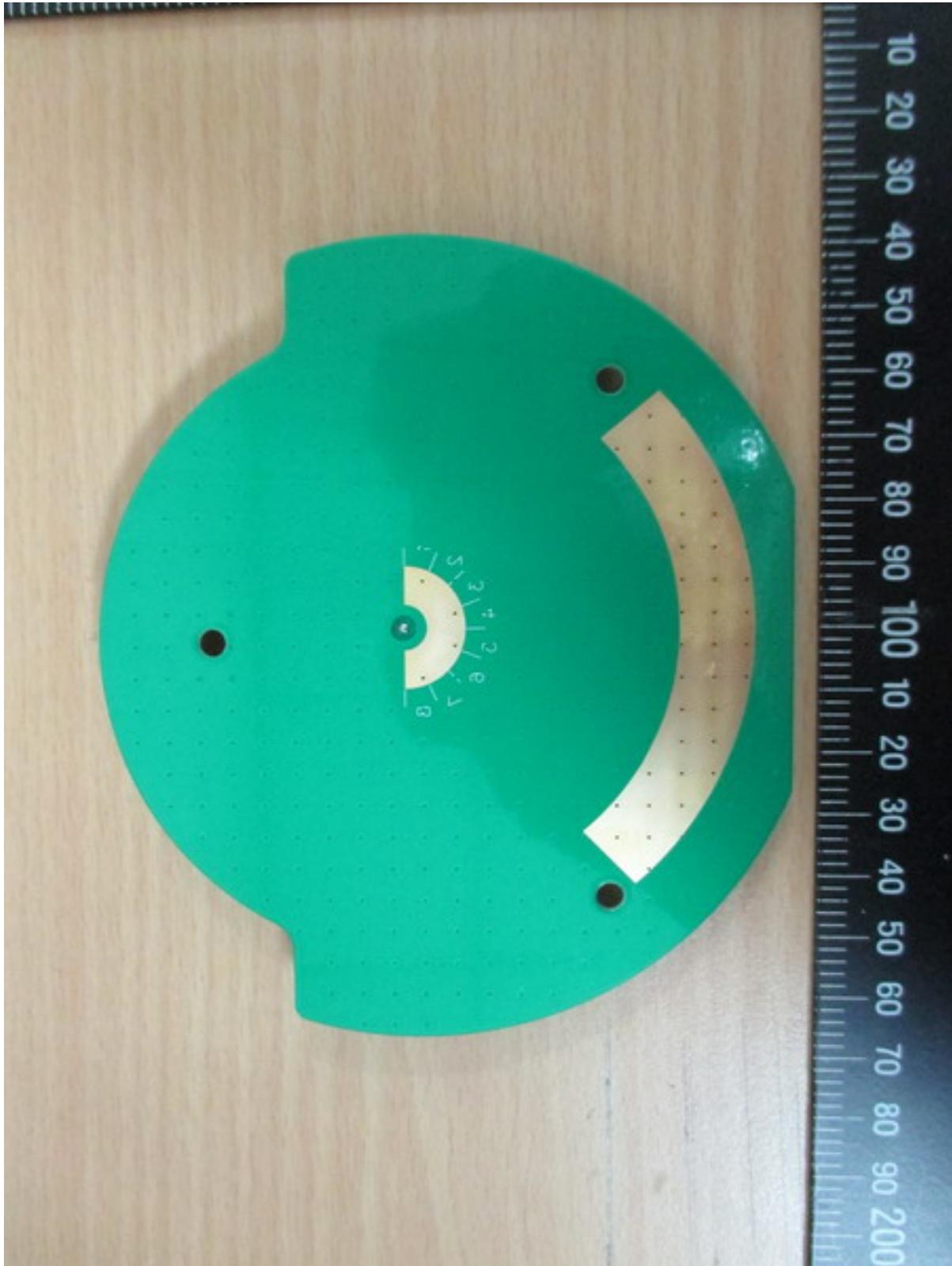
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FCC ID: WXAUM800L





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

Registration number: W6M21410-14528-C-1  
FCC ID: WXAUM800L





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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

Antenna model: EBD-101

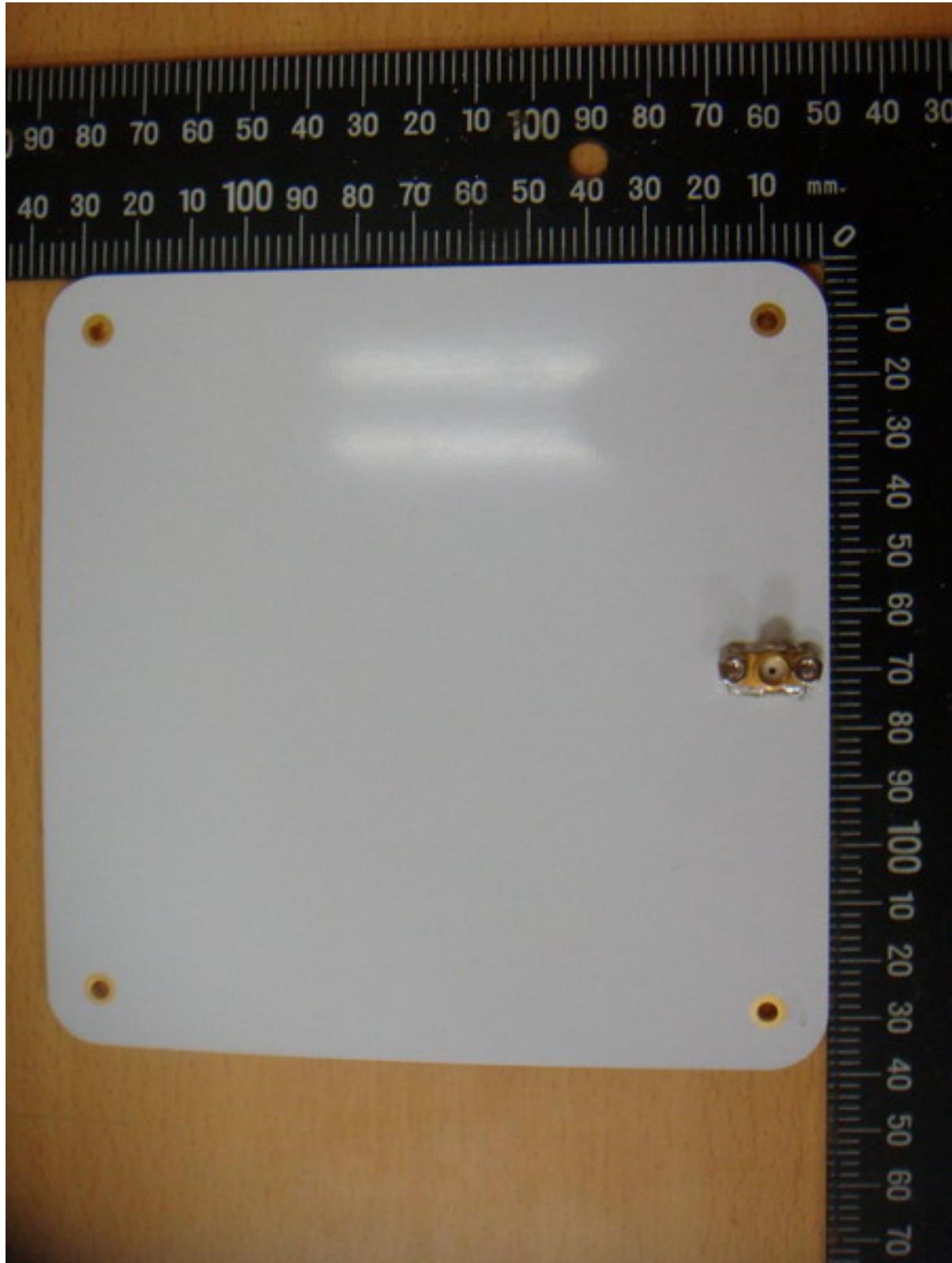




# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L





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

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

Internal Photos

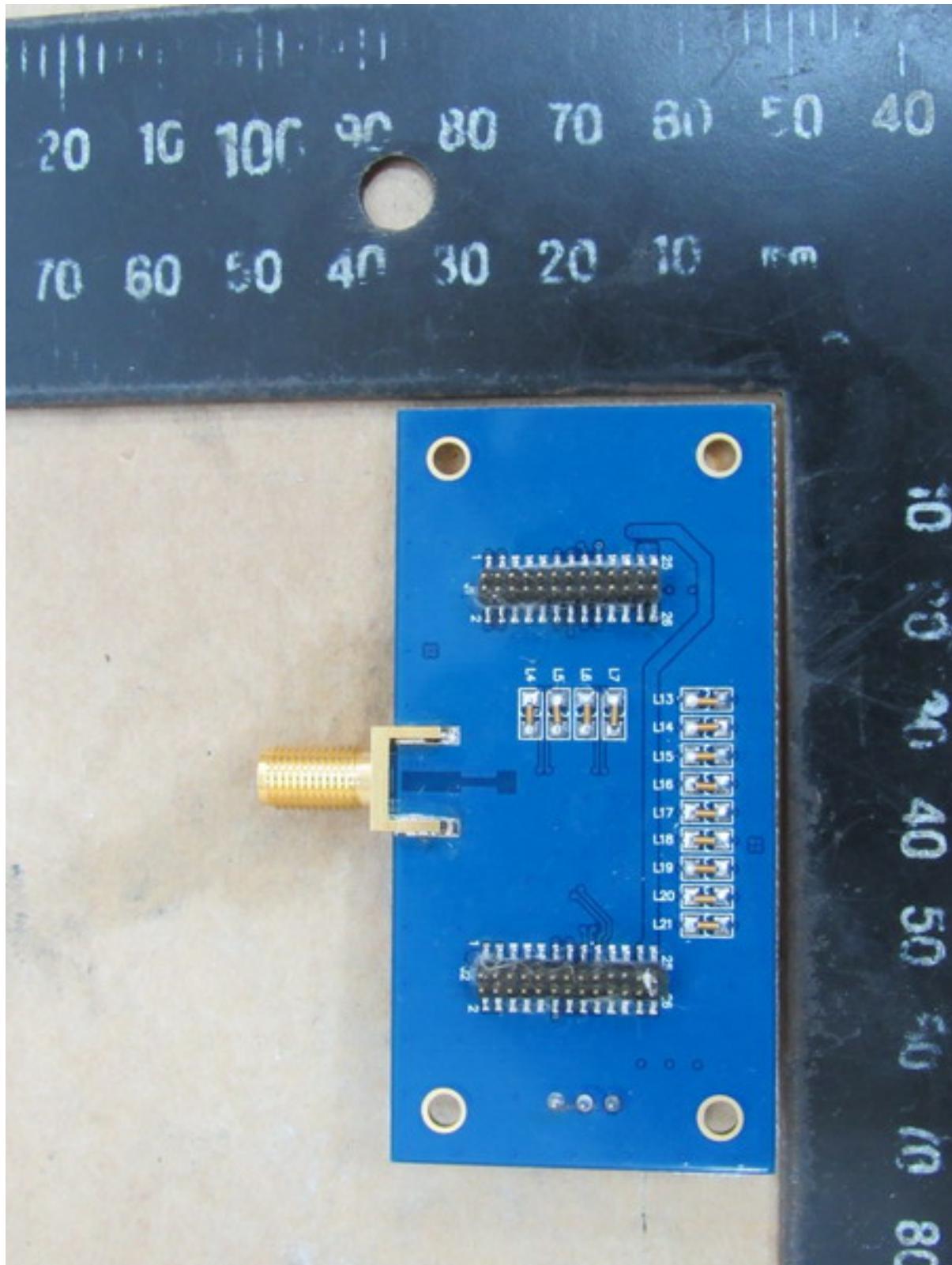
Antenna model: ANT800-US





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

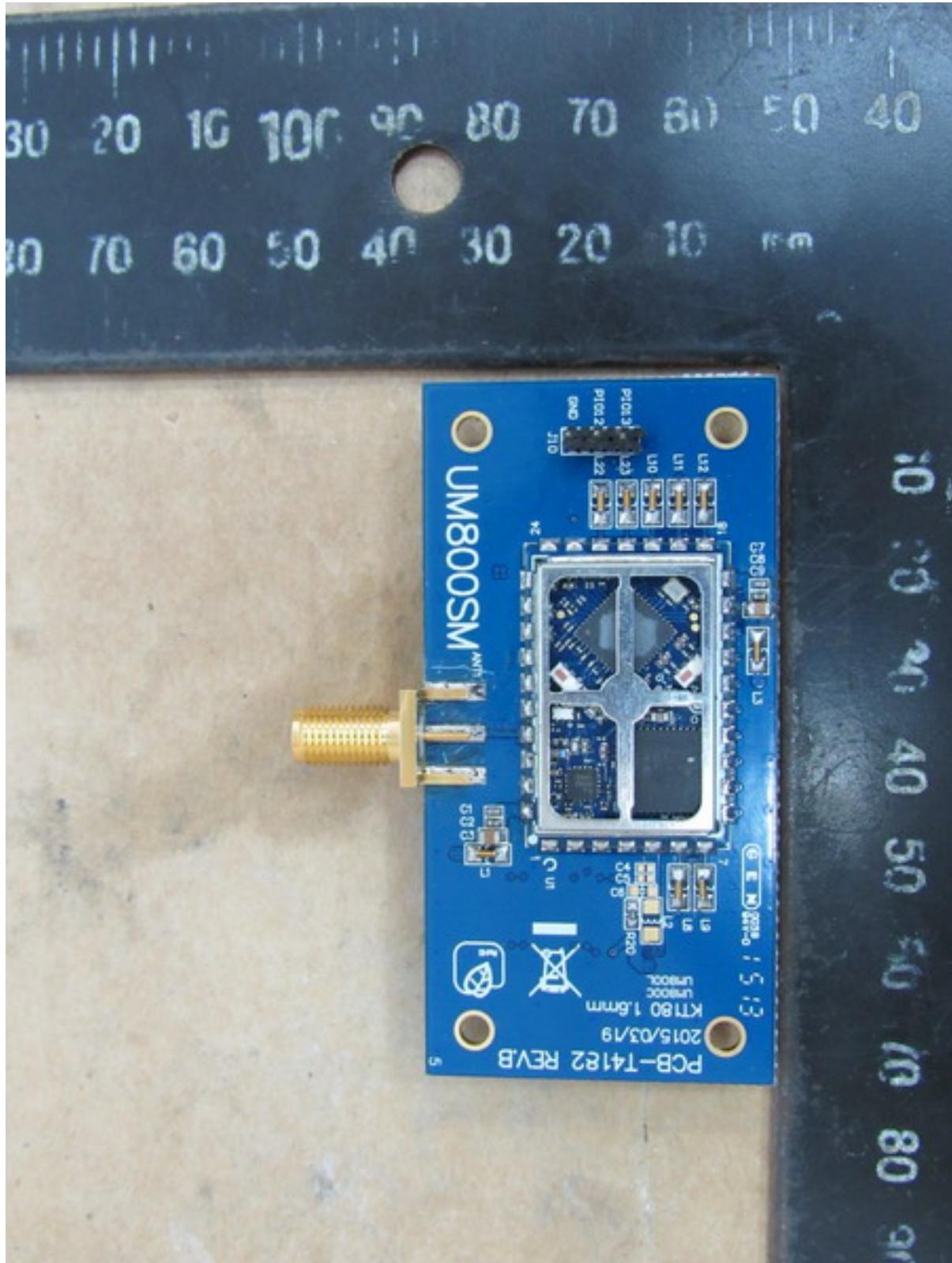
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FCC ID: WXAUM800L





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

Registration number: W6M21410-14528-C-1  
FCC ID: WXAUM800L

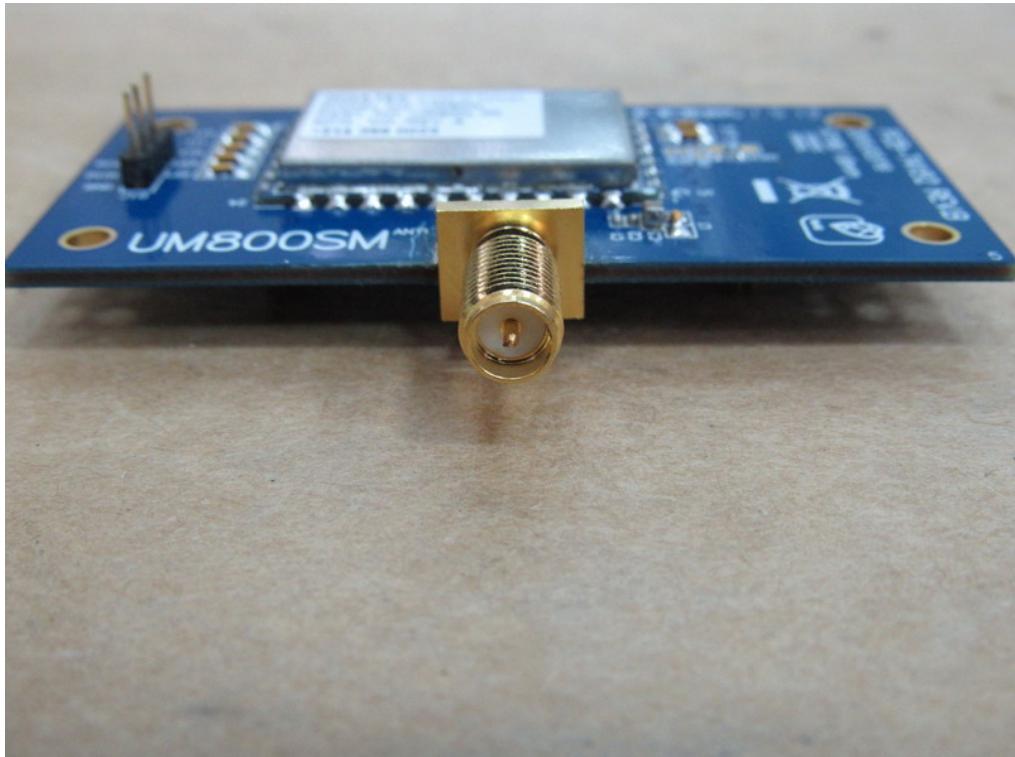


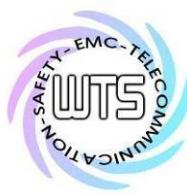


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Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L



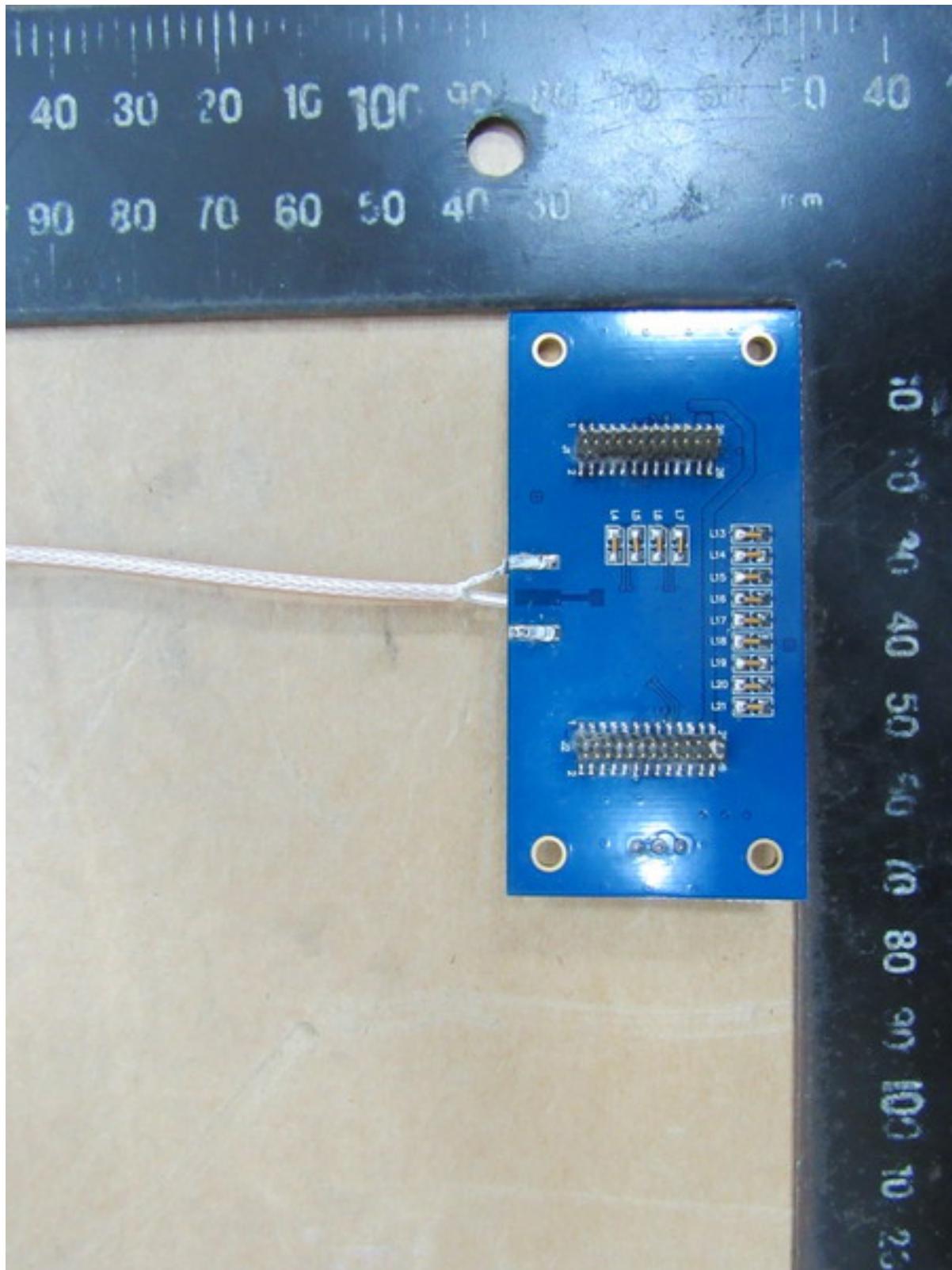


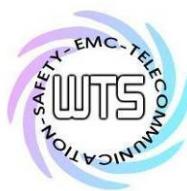
*Worldwide Testing Services(Taiwan) Co., Ltd.*

Registration number: W6M21410-14528-C-1

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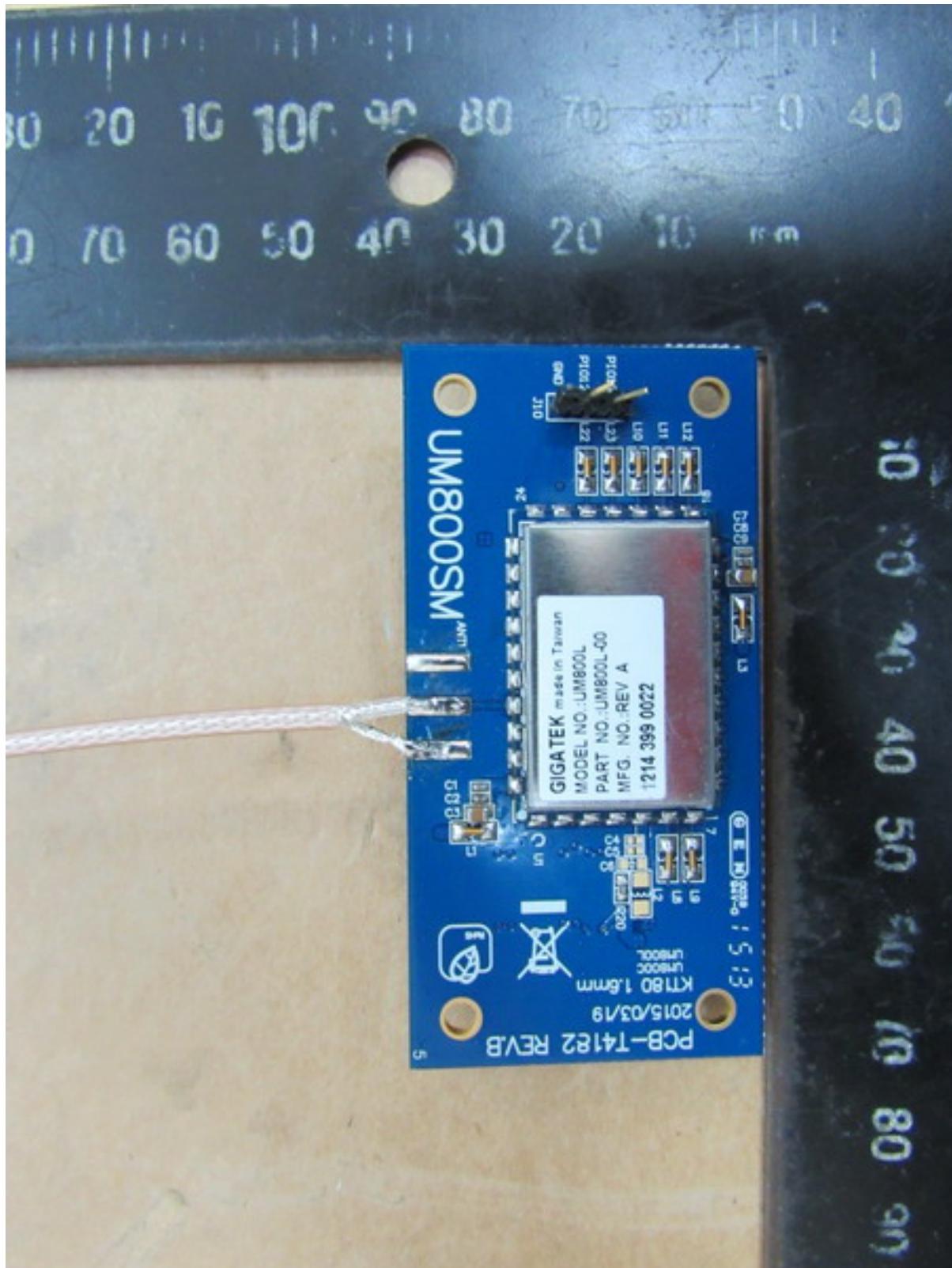
## Antenna model: PWD100





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

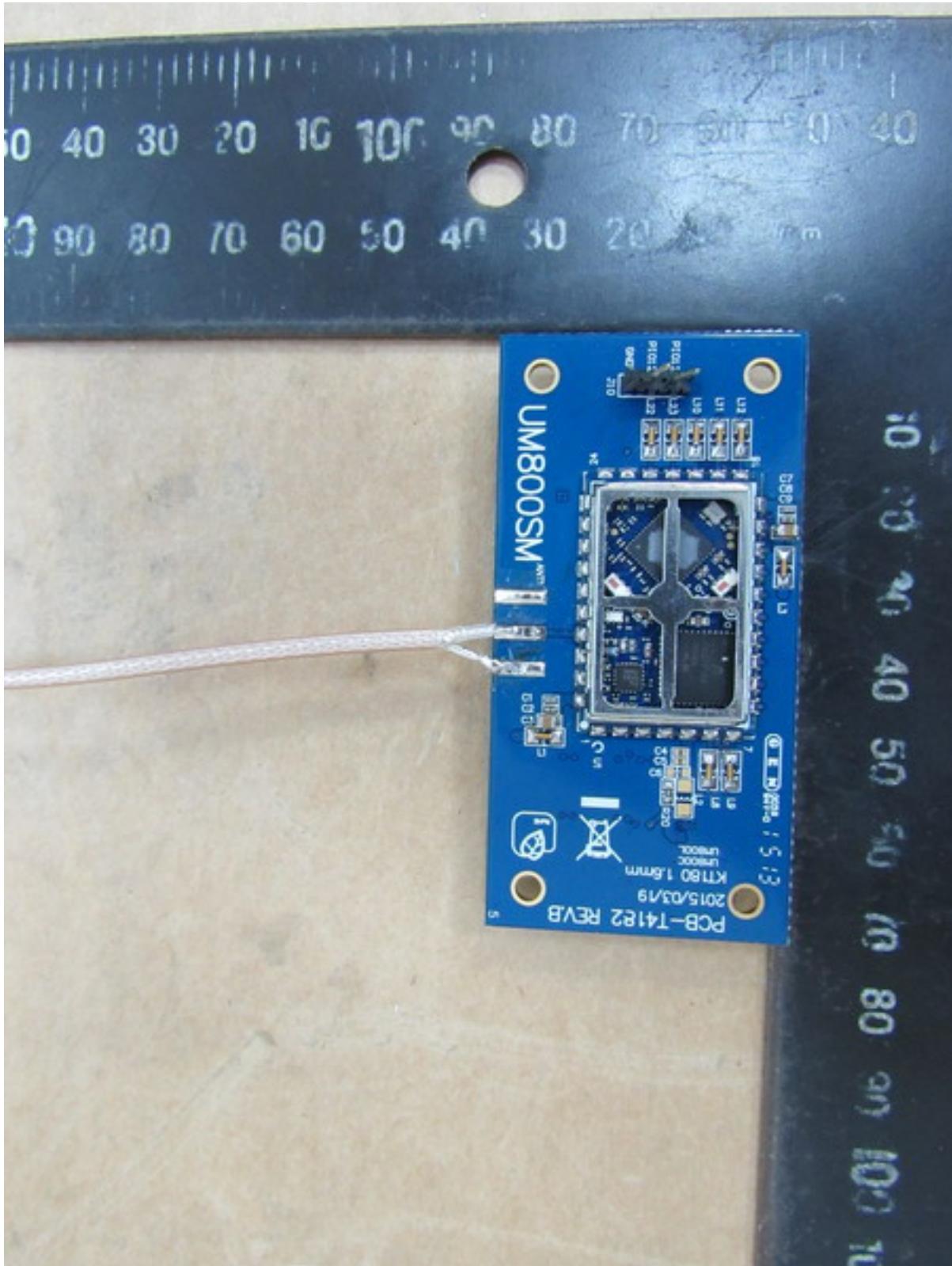
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FCC ID: WXAUM800L





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

Registration number: W6M21410-14528-C-1  
FCC ID: WXAUM800L





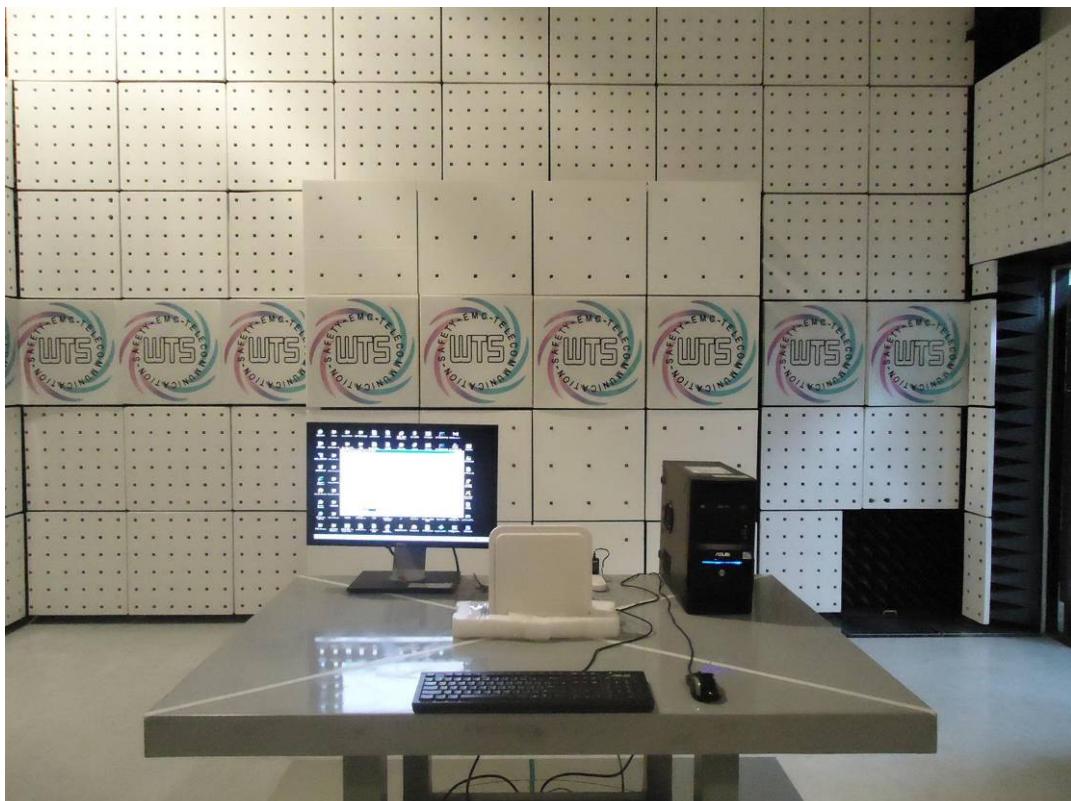
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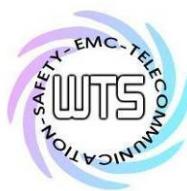
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

Set Up Photo of Radiated Emission

Antenna model: ANT800-US



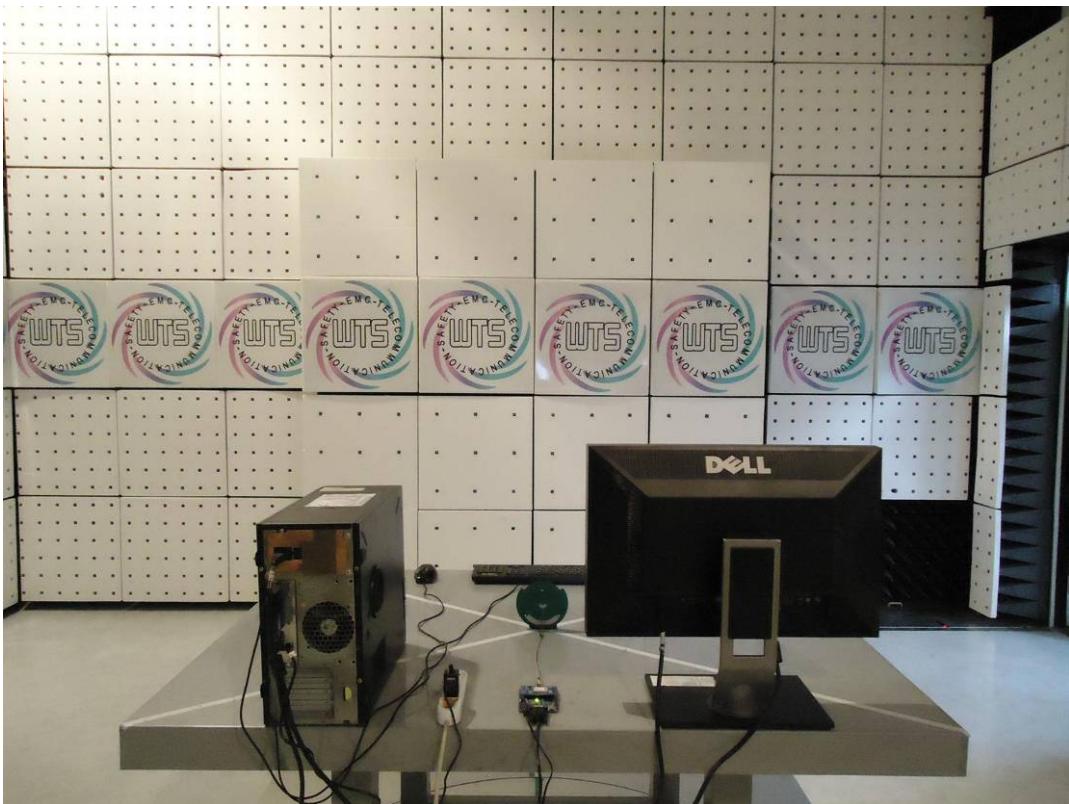
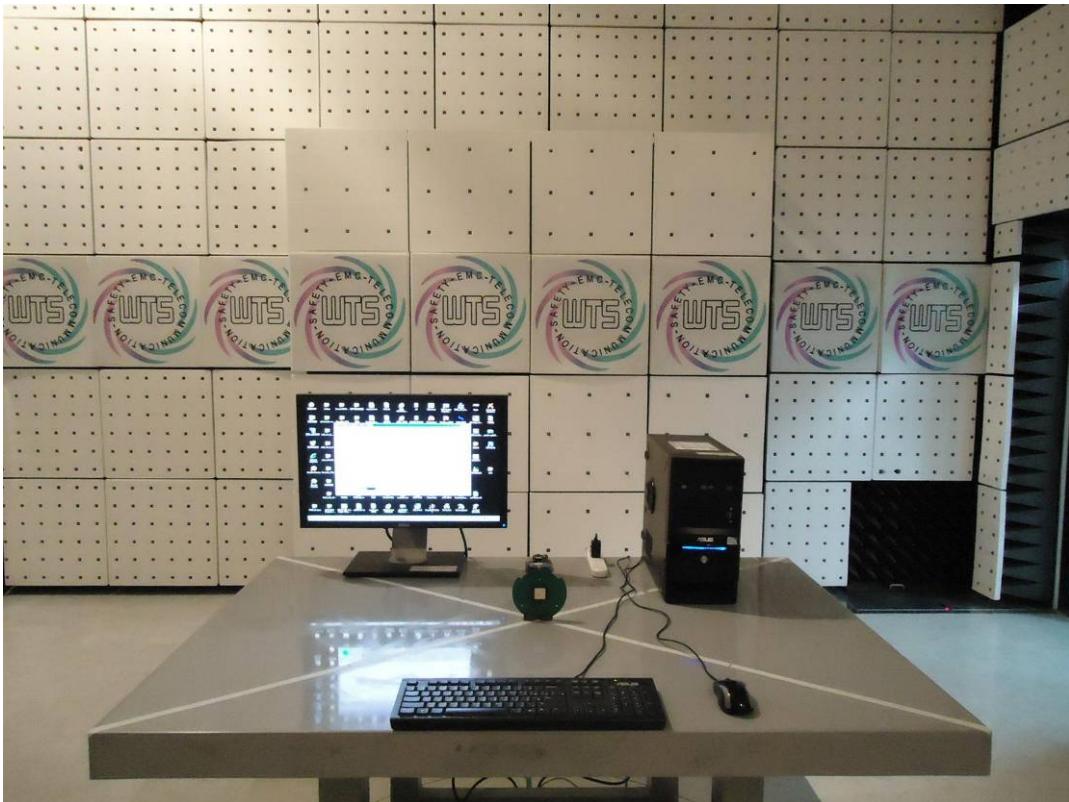


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

Antenna model: PWD100



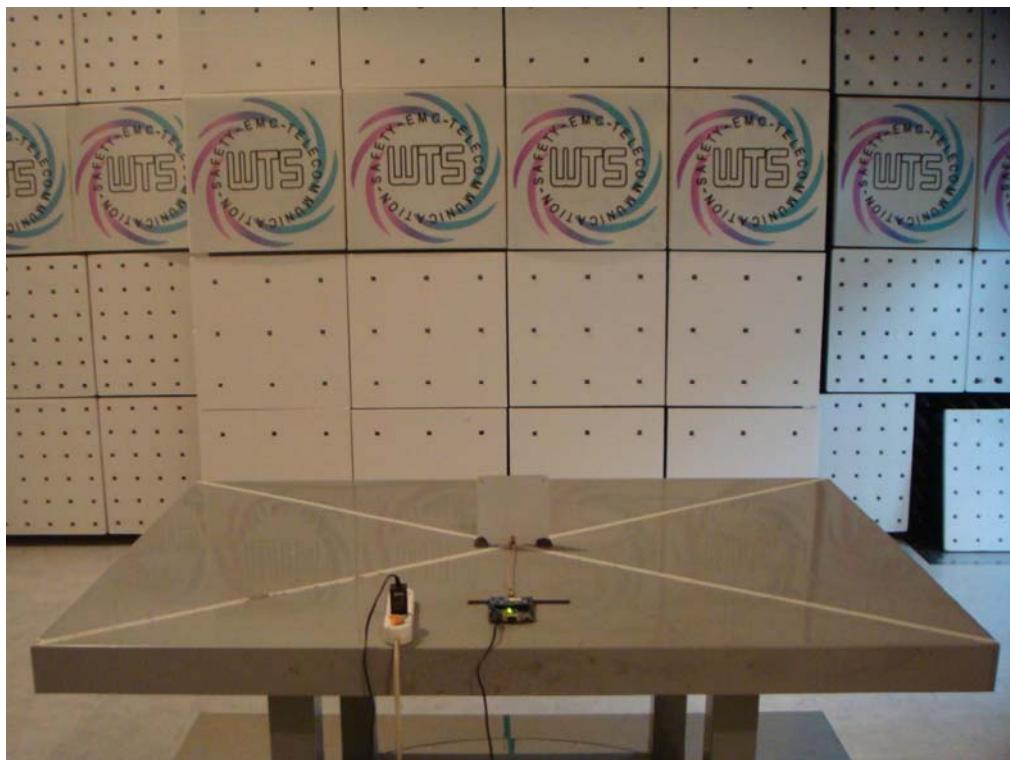


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

Antenna model: EBD-101





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

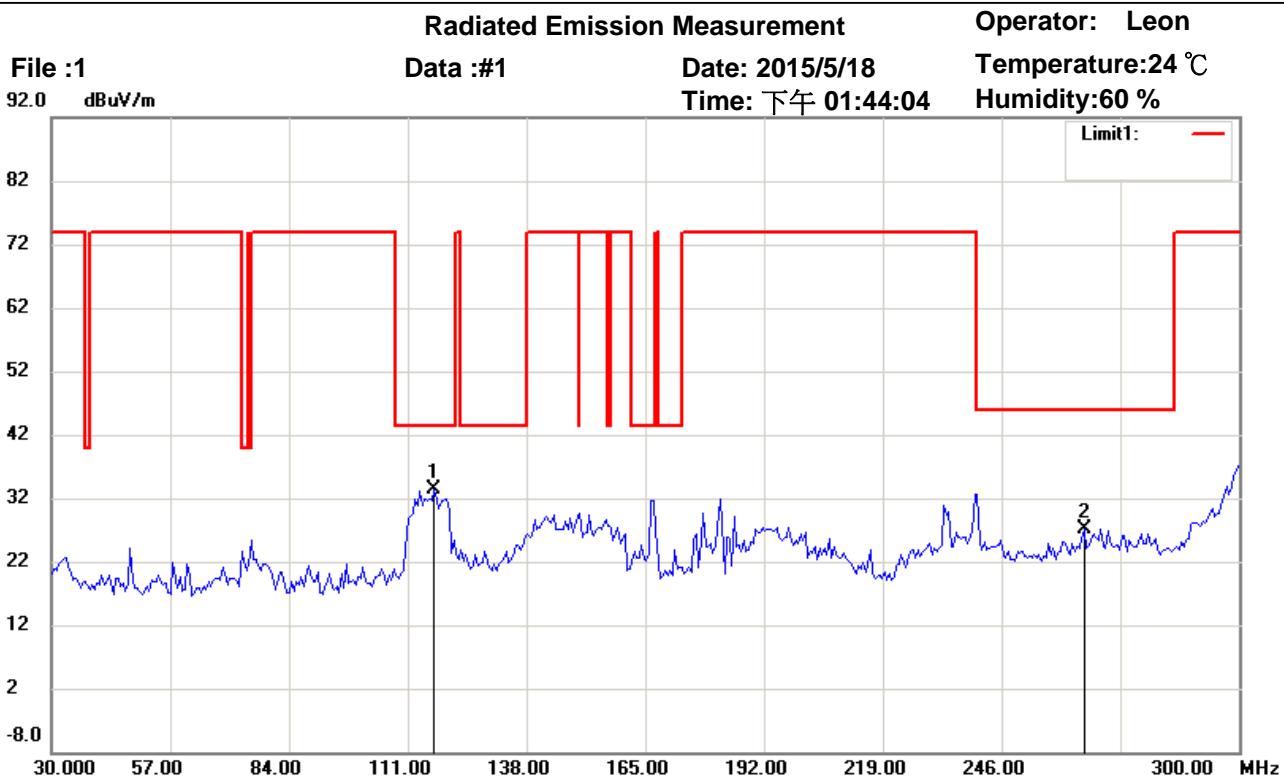
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

TX\_Antenna model: ANT800-US



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



Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

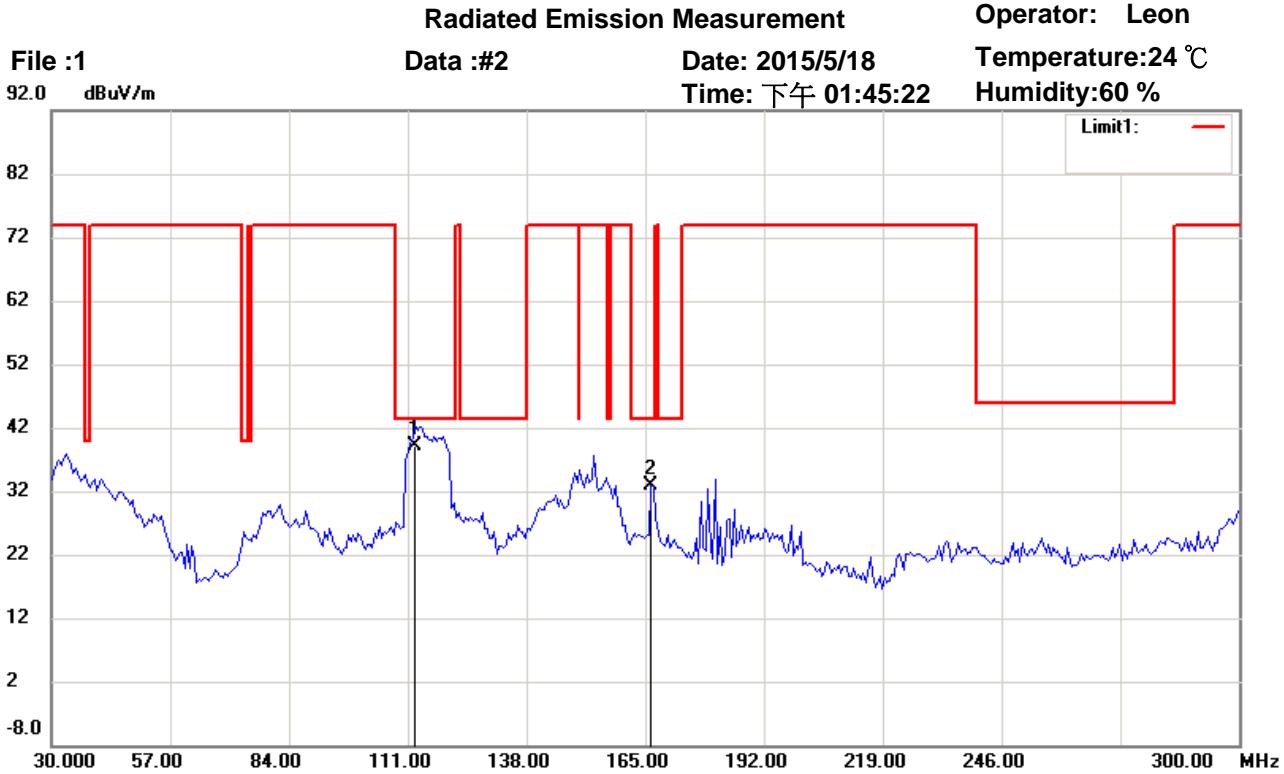
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	117.1142	19.63	peak	13.77	33.40	43.50	100	90	-10.10	
	264.8297	12.27	peak	14.83	27.10	46.00	100	155	-18.90	



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



Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

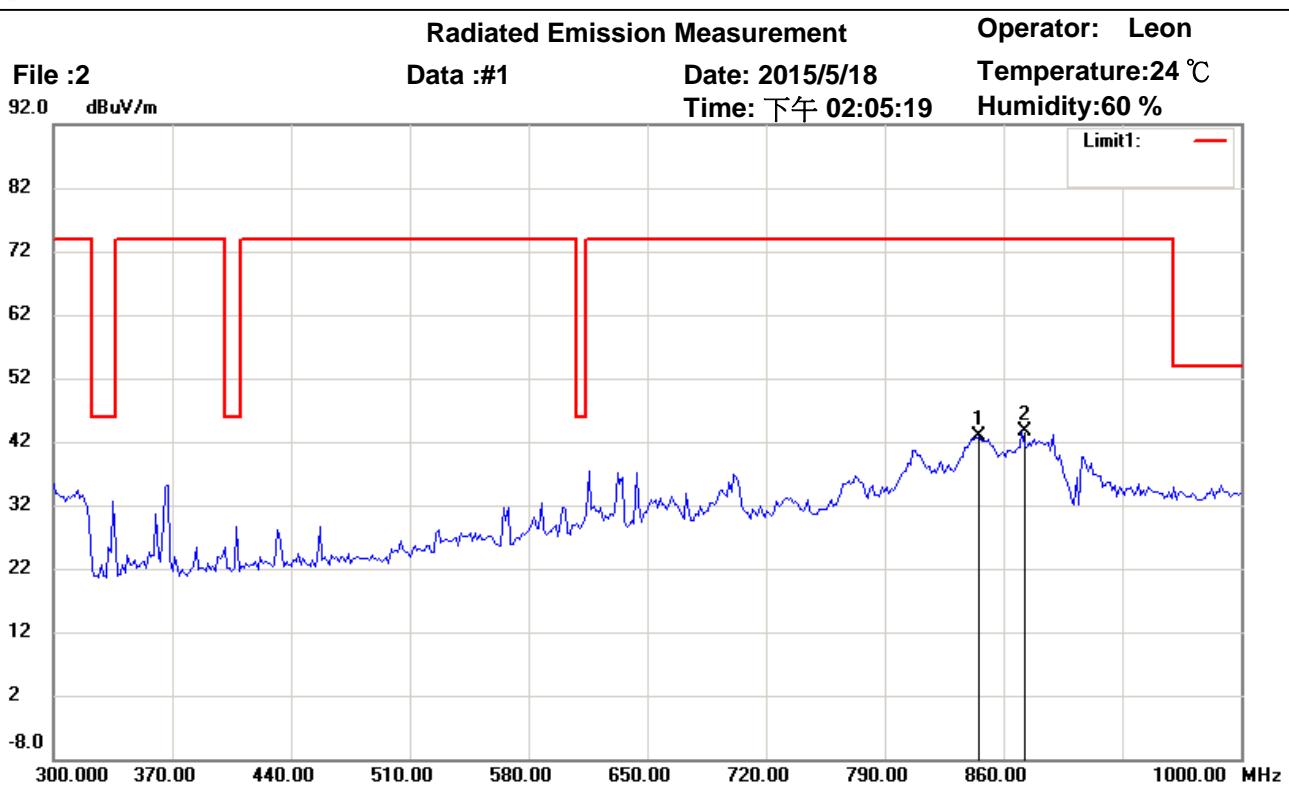
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	112.7856	25.67	QP	13.46	39.13	43.50	100	35	-4.37	
	166.3527	17.62	peak	15.24	32.86	43.50	100	120	-10.64	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

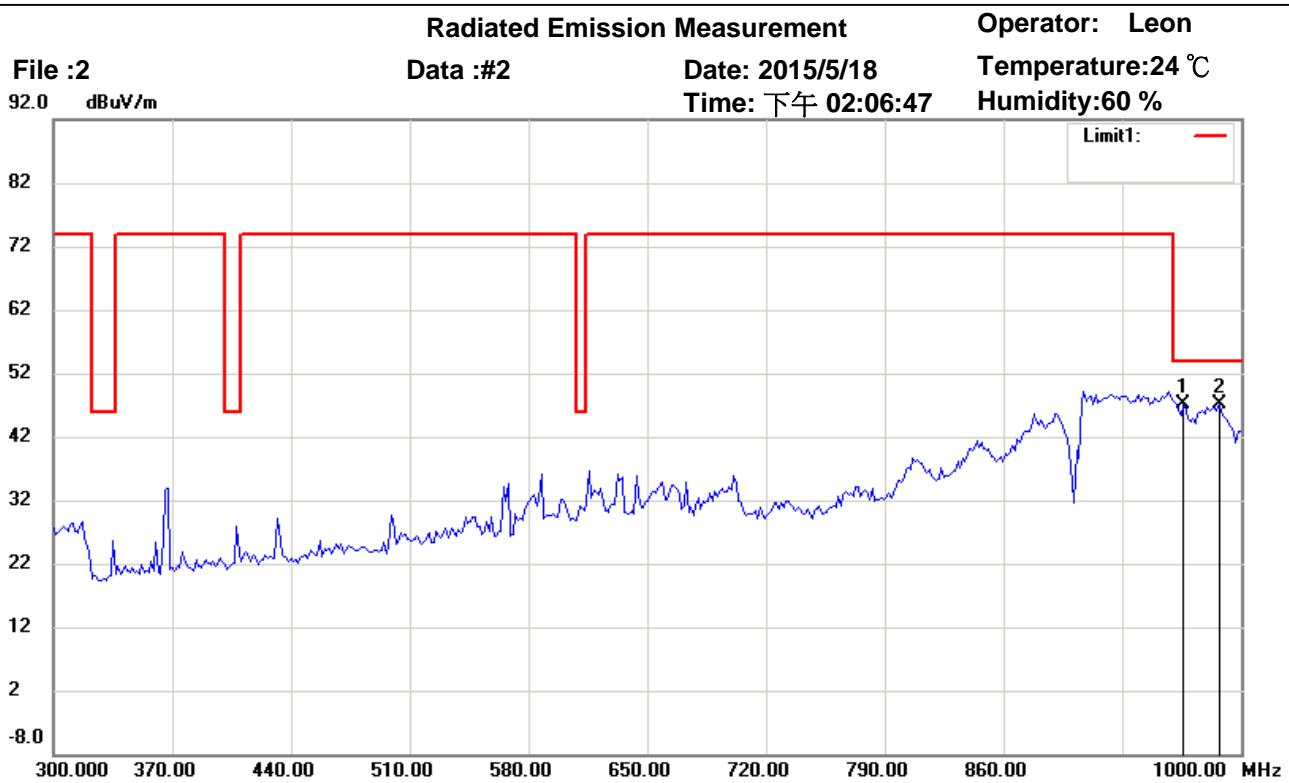
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	845.6914	15.39	peak	27.46	42.85	74.00	100	120	-31.15	
*	870.9420	15.73	peak	27.89	43.62	74.00	100	145	-30.38	



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Fax:+886-2-6606-8875



Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

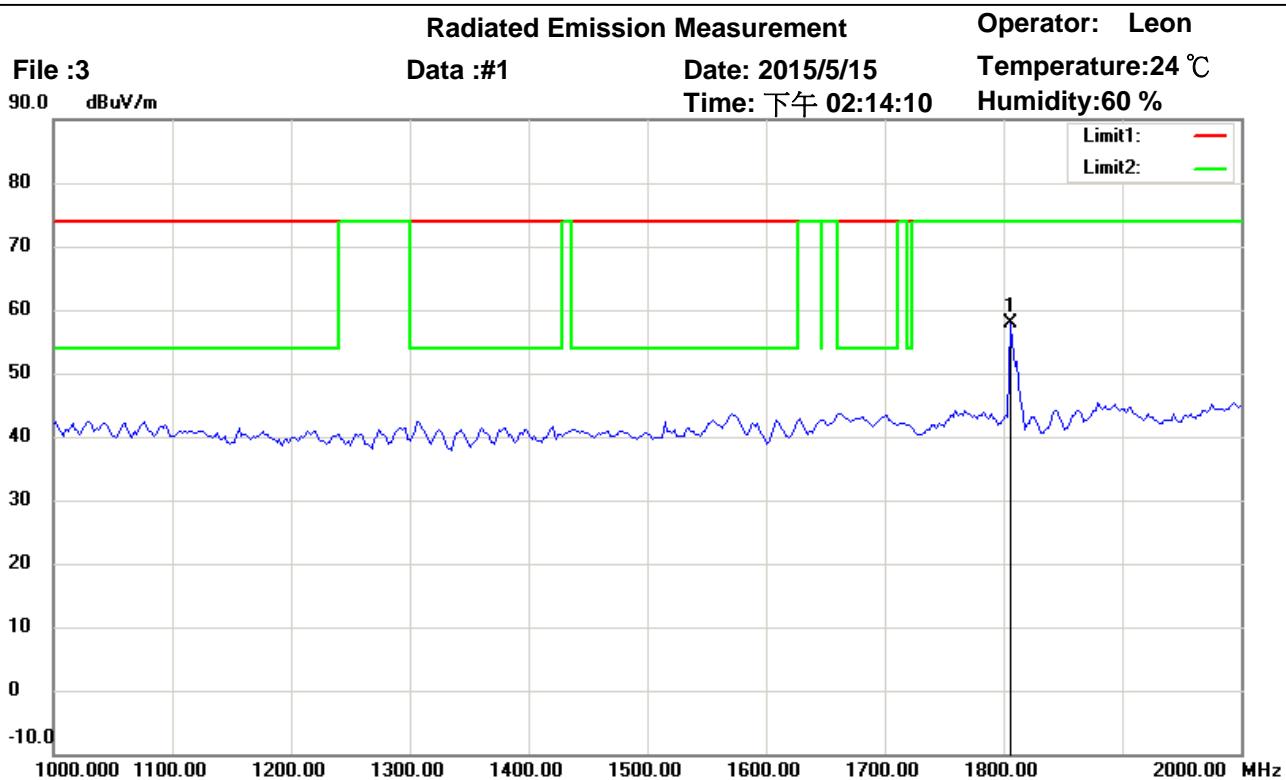
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	966.3327	18.46	peak	28.61	47.07	54.00	100	230	-6.93	
*	987.3747	18.34	peak	28.87	47.21	54.00	100	85	-6.79	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

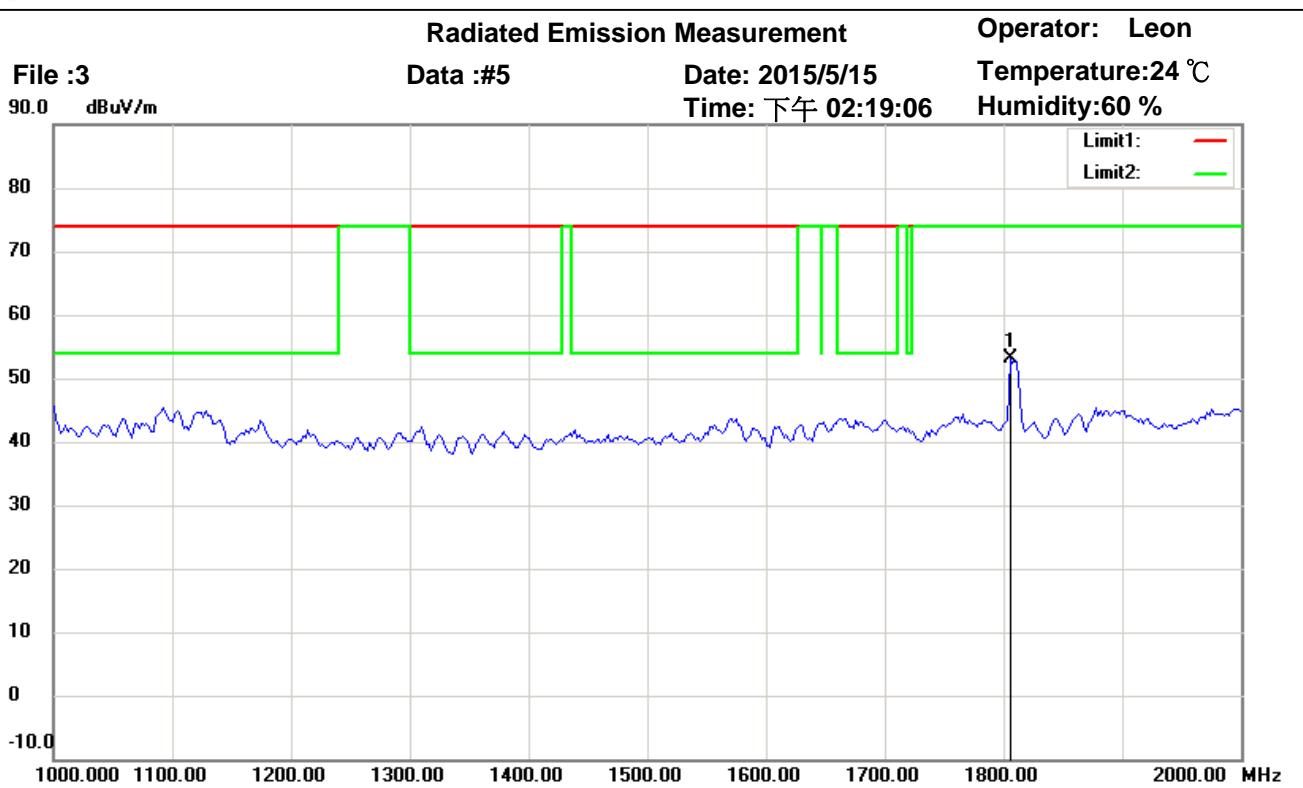
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1805.611	65.02	peak	-7.20	57.82	74.00	100	155	-16.18	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

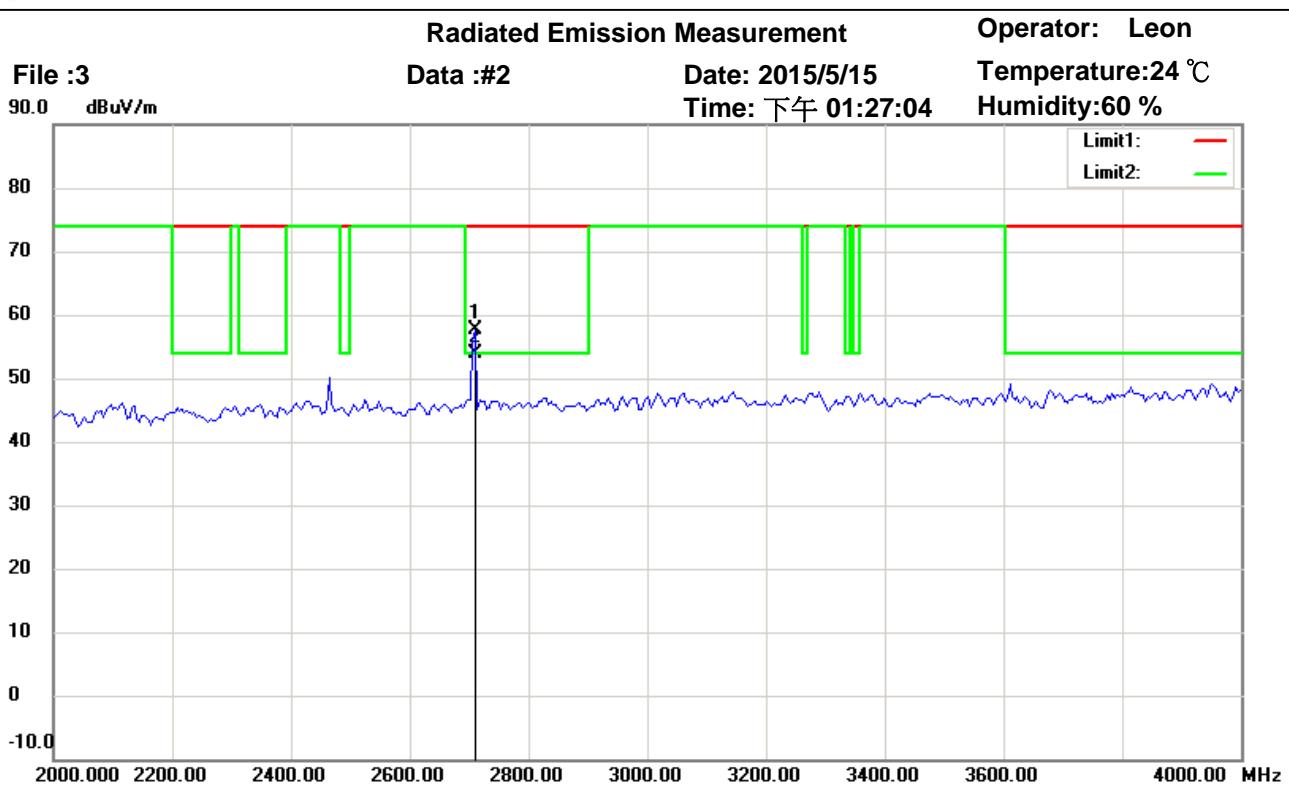
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1805.611	60.31	peak	-7.20	53.11	74.00	100	55	-20.89	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

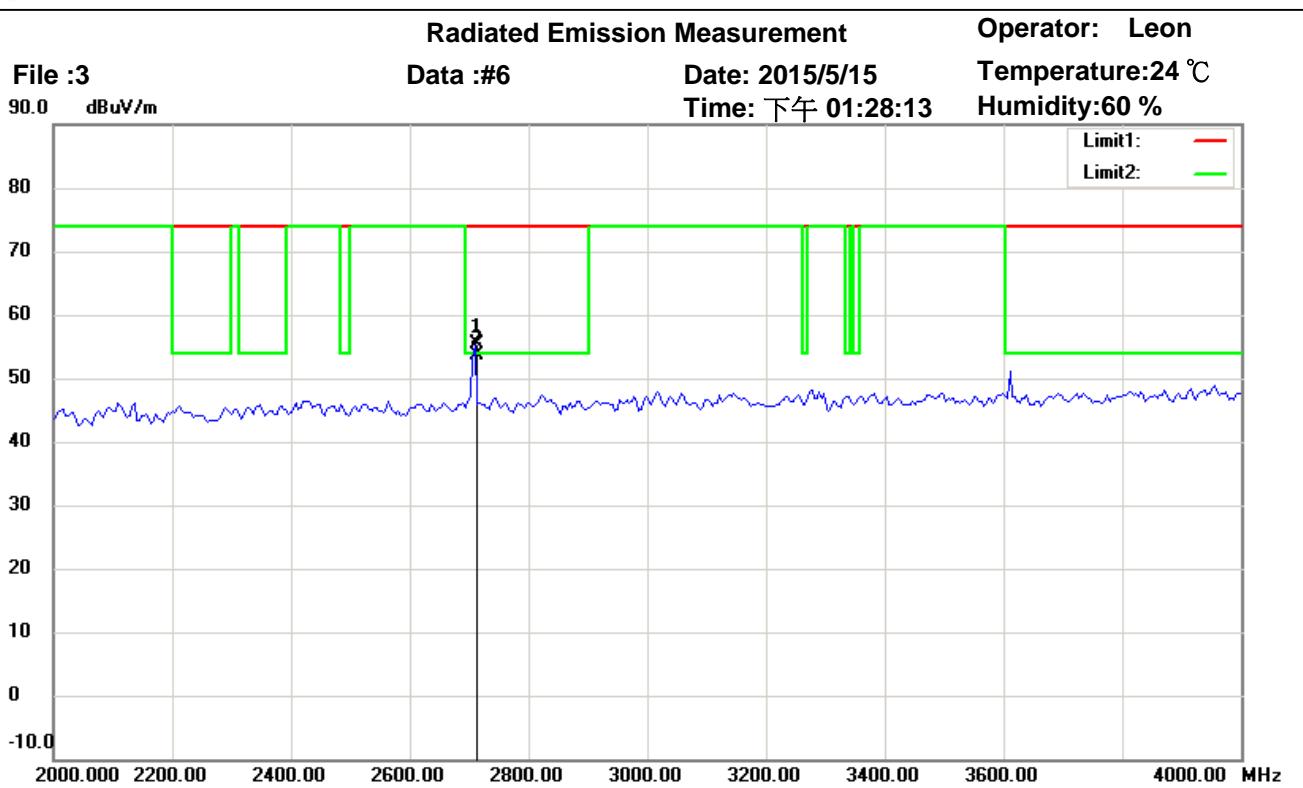
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2708.377	60.72	peak	-3.08	57.64	74.00	100	35	-16.36	
*	2708.377	56.85	AVG	-3.08	53.77	54.00	100	35	-0.23	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

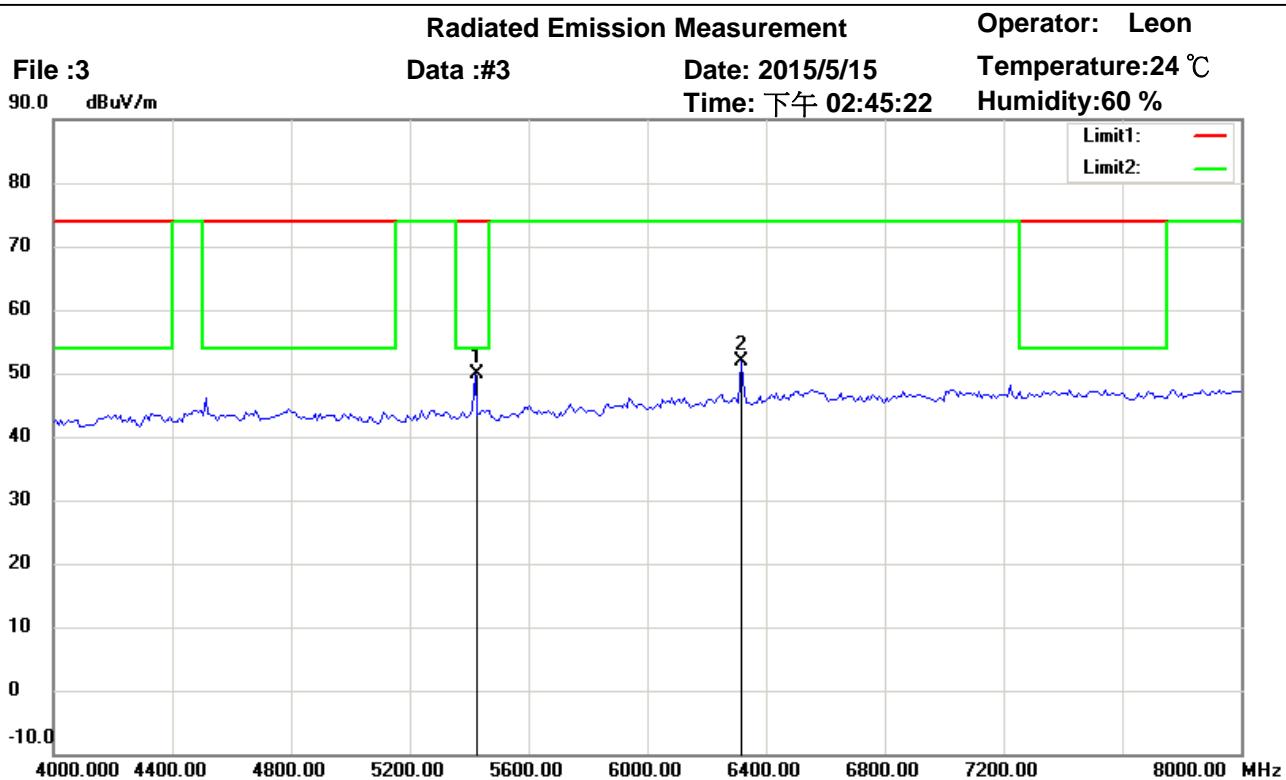
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2709.419	58.46	peak	-3.08	55.38	74.00	100	210	-18.62	
*	2709.419	56.69	AVG	-3.08	53.61	54.00	100	210	-0.39	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

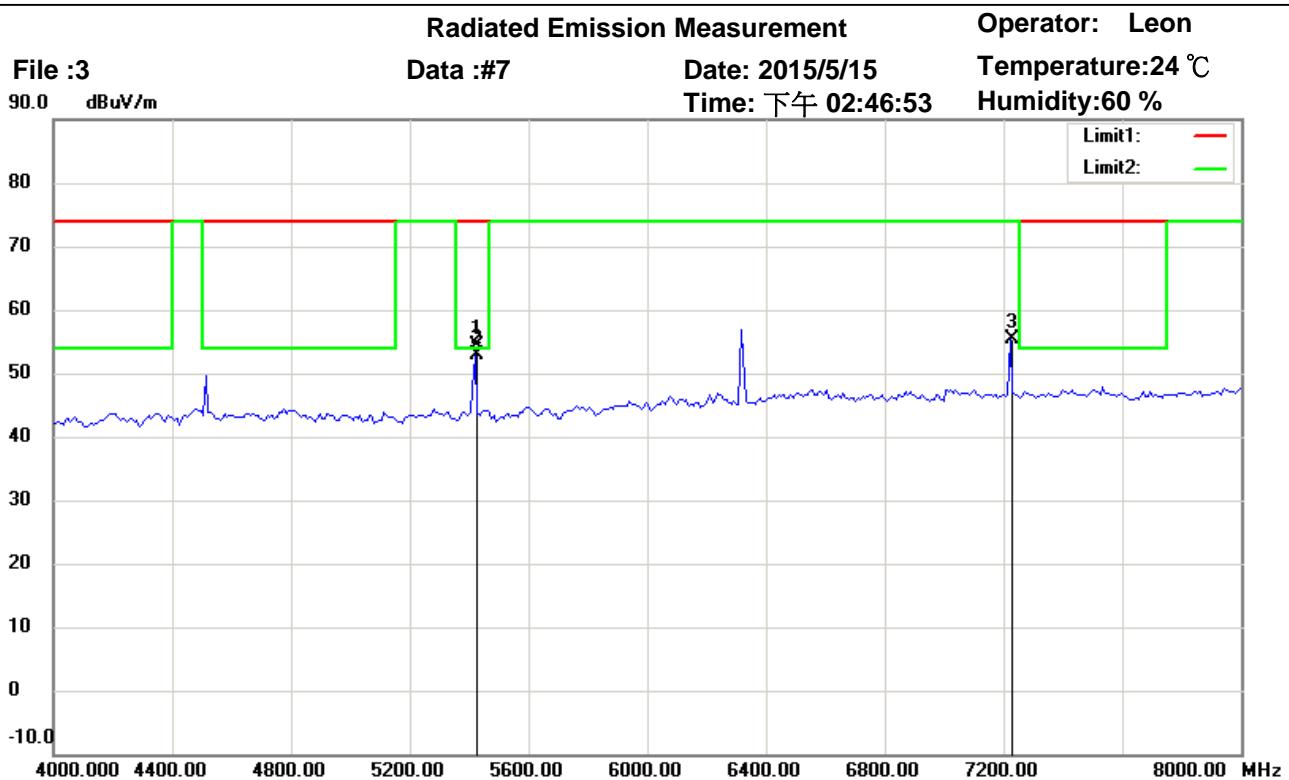
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	5418.838	47.56	peak	2.34	49.90	74.00	100	95	-24.10	
*	6316.633	47.20	peak	4.79	51.99	74.00	100	130	-22.01	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

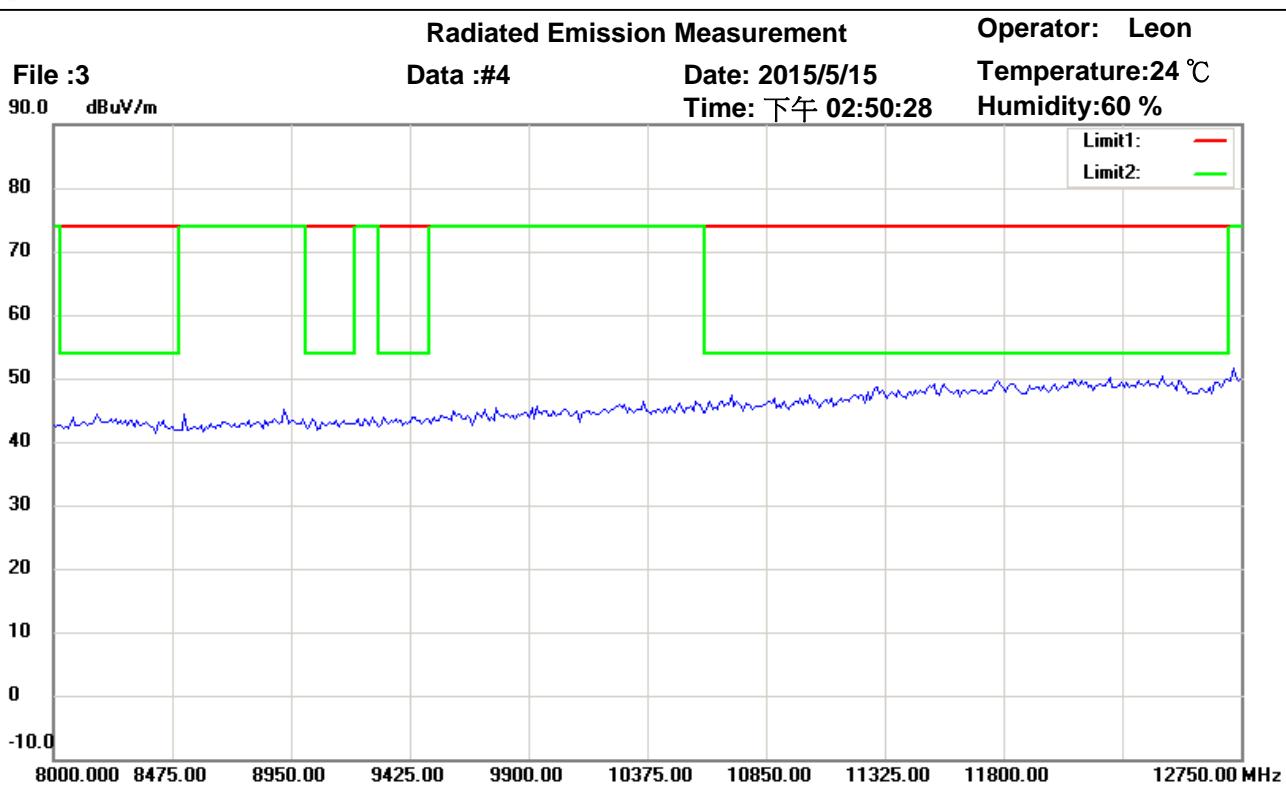
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	5418.838	52.11	peak	2.34	54.45	74.00	100	155	-19.55	
*	5418.838	50.49	AVG	2.34	52.83	54.00	100	155	-1.17	
	7222.445	50.74	peak	4.76	55.50	74.00	100	75	-18.50	



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Fax:+886-2-6606-8875



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

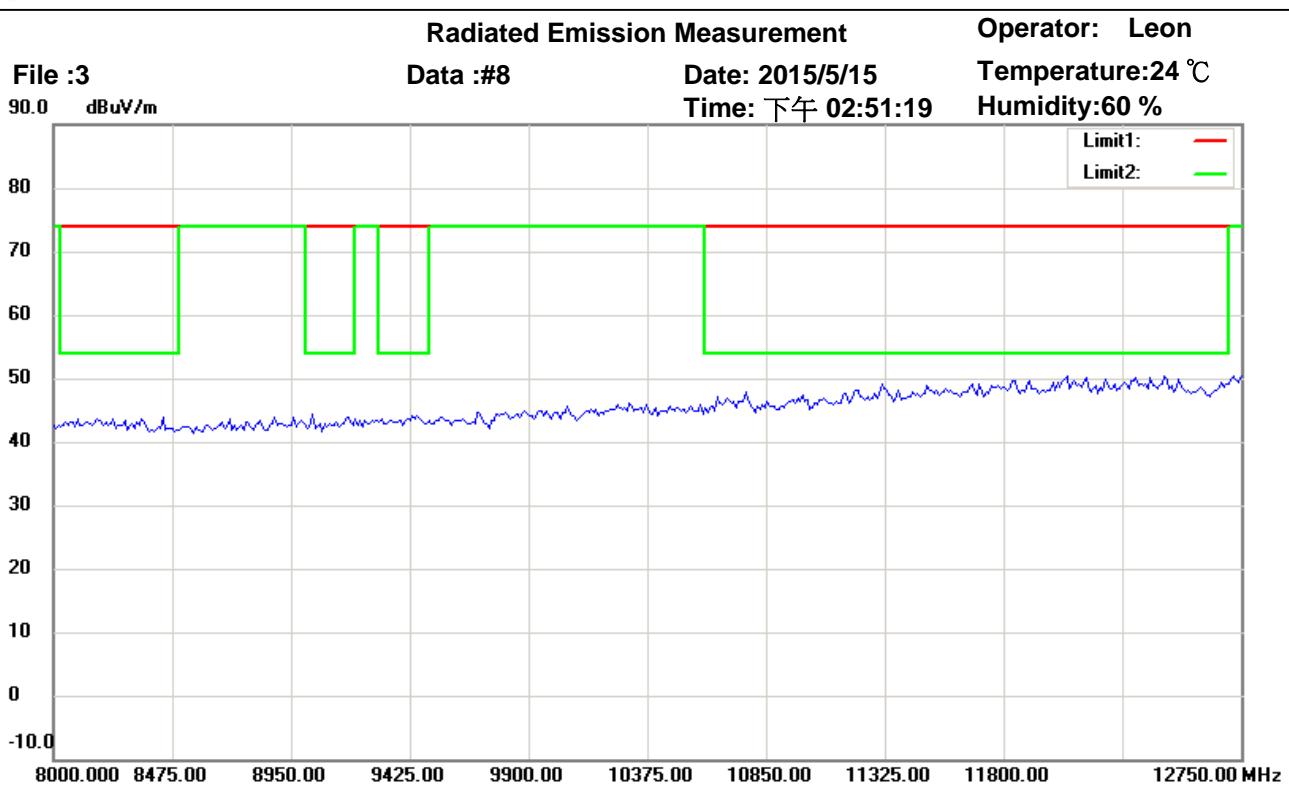
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

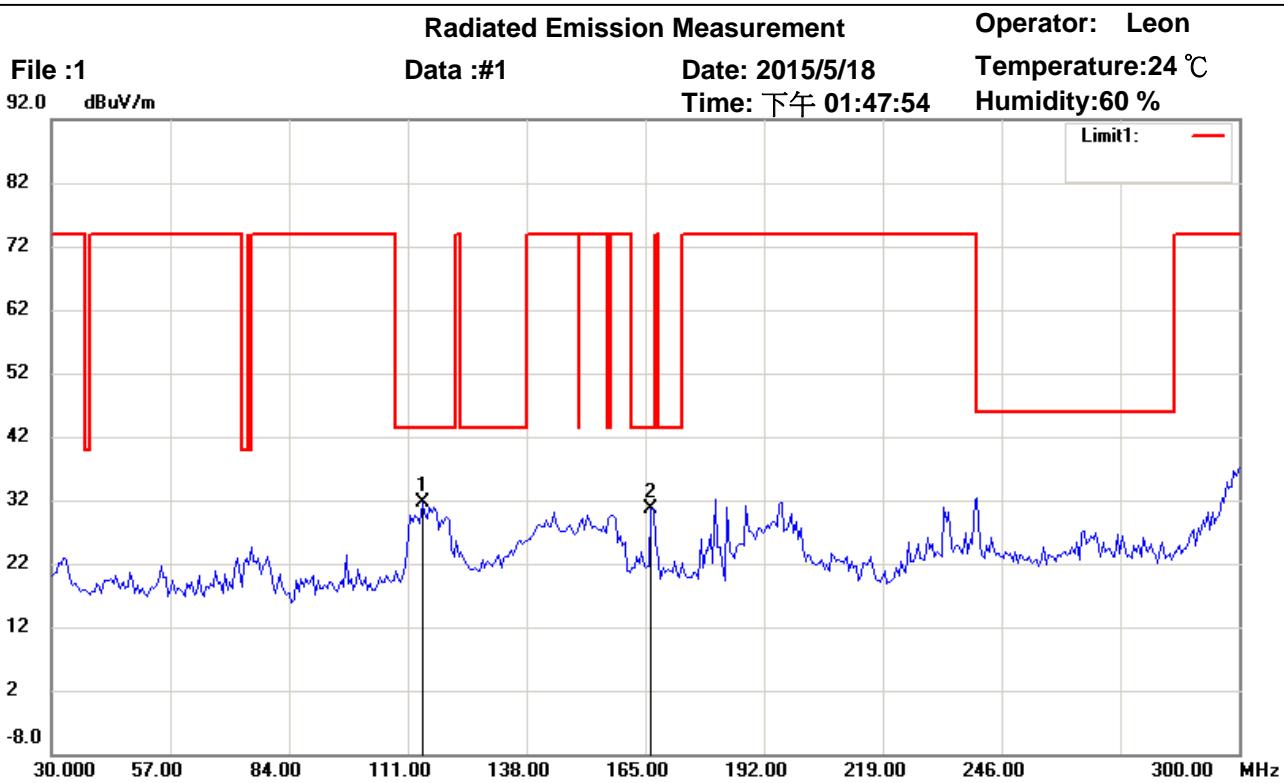
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

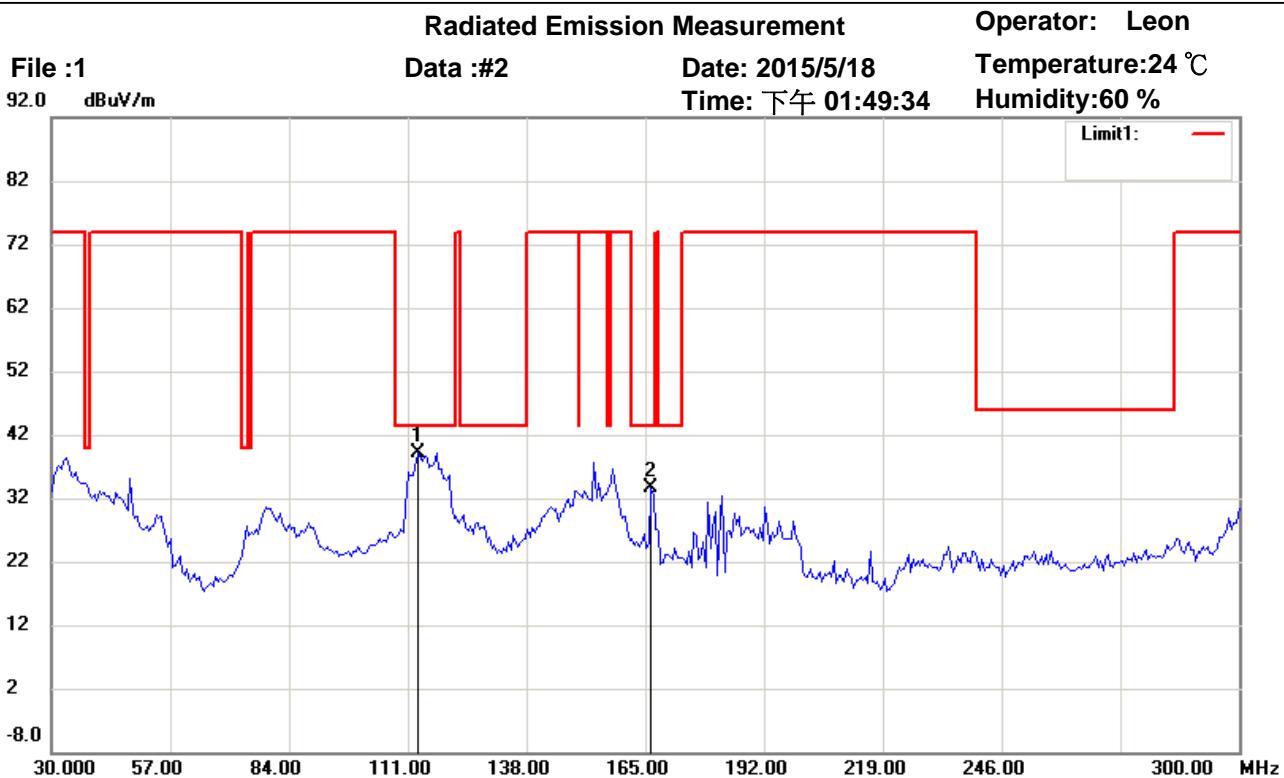
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	114.4088	18.02	peak	13.58	31.60	43.50	100	210	-11.90	
	166.3527	15.48	peak	15.24	30.72	43.50	100	155	-12.78	



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

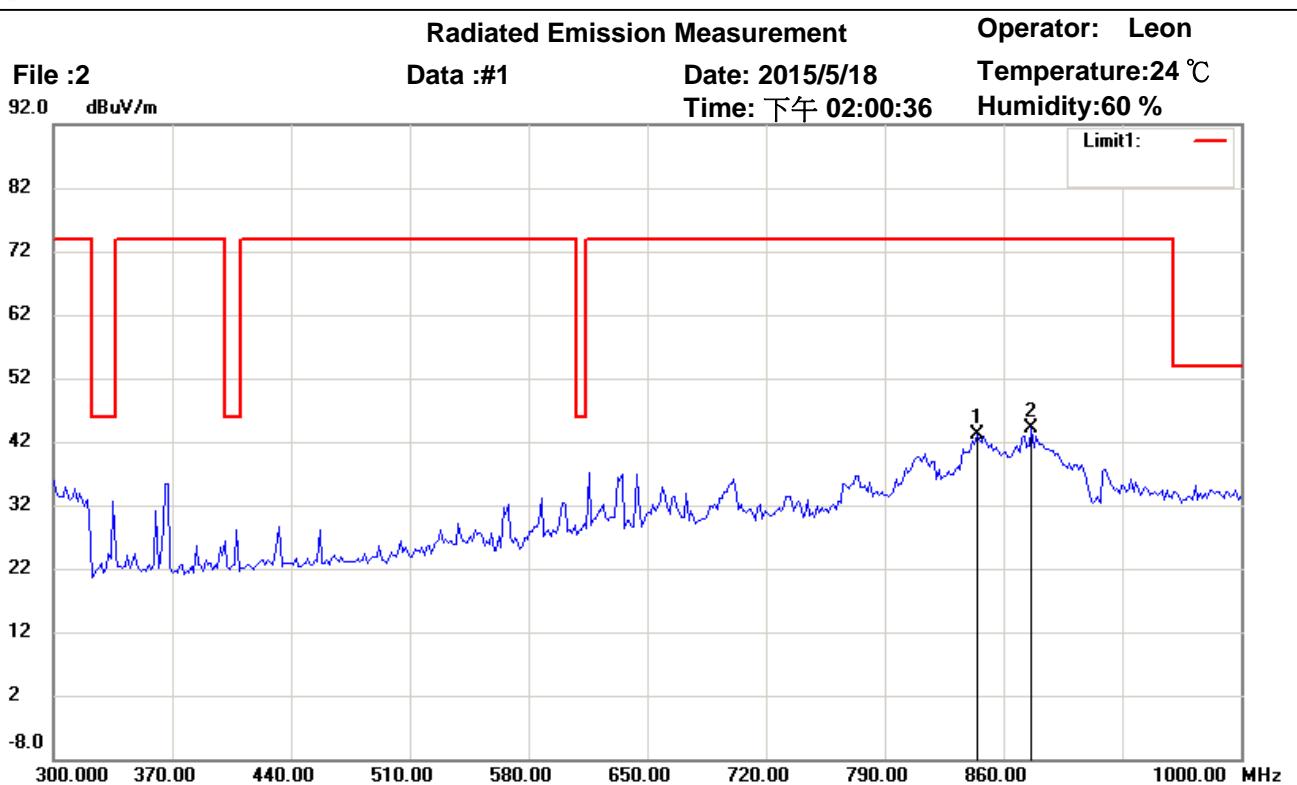
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	113.3267	25.70	peak	13.50	39.20	43.50	100	75	-4.30	
	166.3527	18.45	peak	15.24	33.69	43.50	100	120	-9.81	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

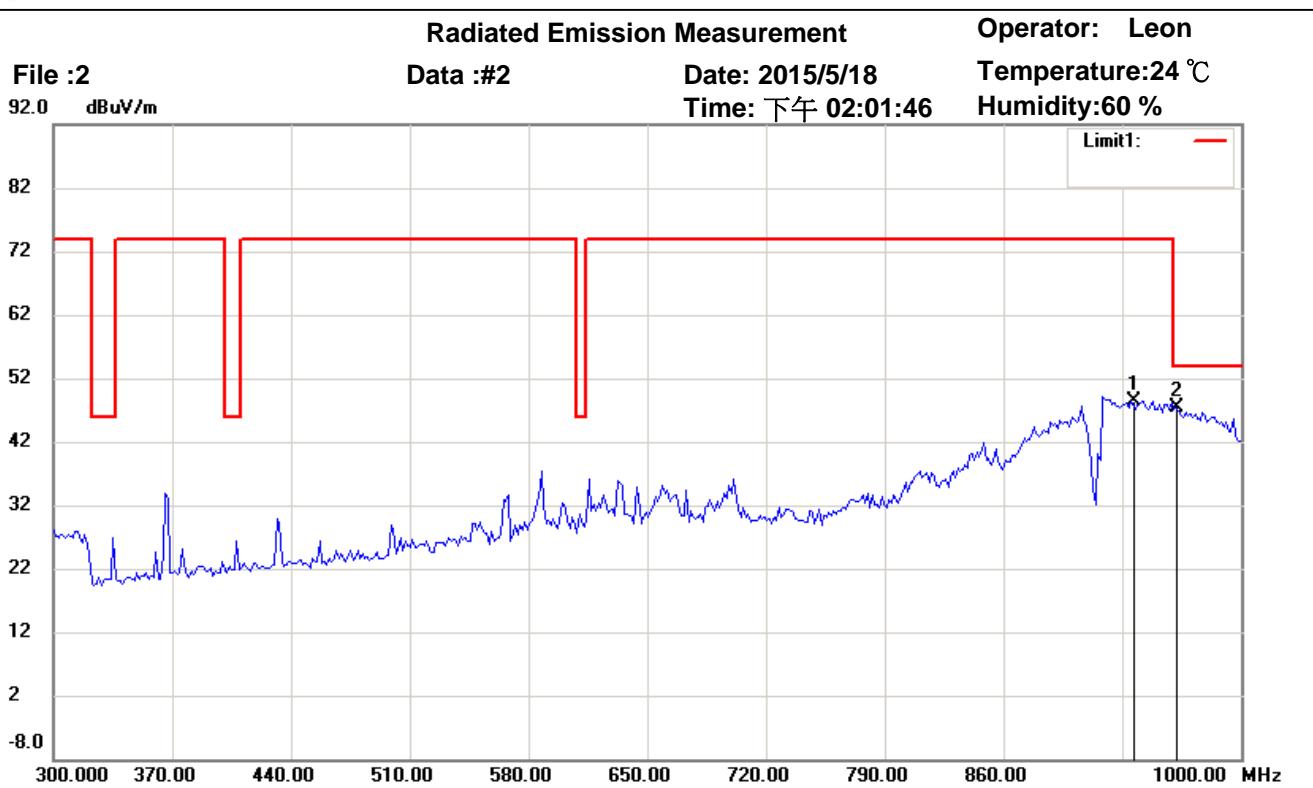
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	844.2886	15.62	peak	27.43	43.05	74.00	100	155	-30.95	
*	876.5531	16.19	peak	27.99	44.18	74.00	100	20	-29.82	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

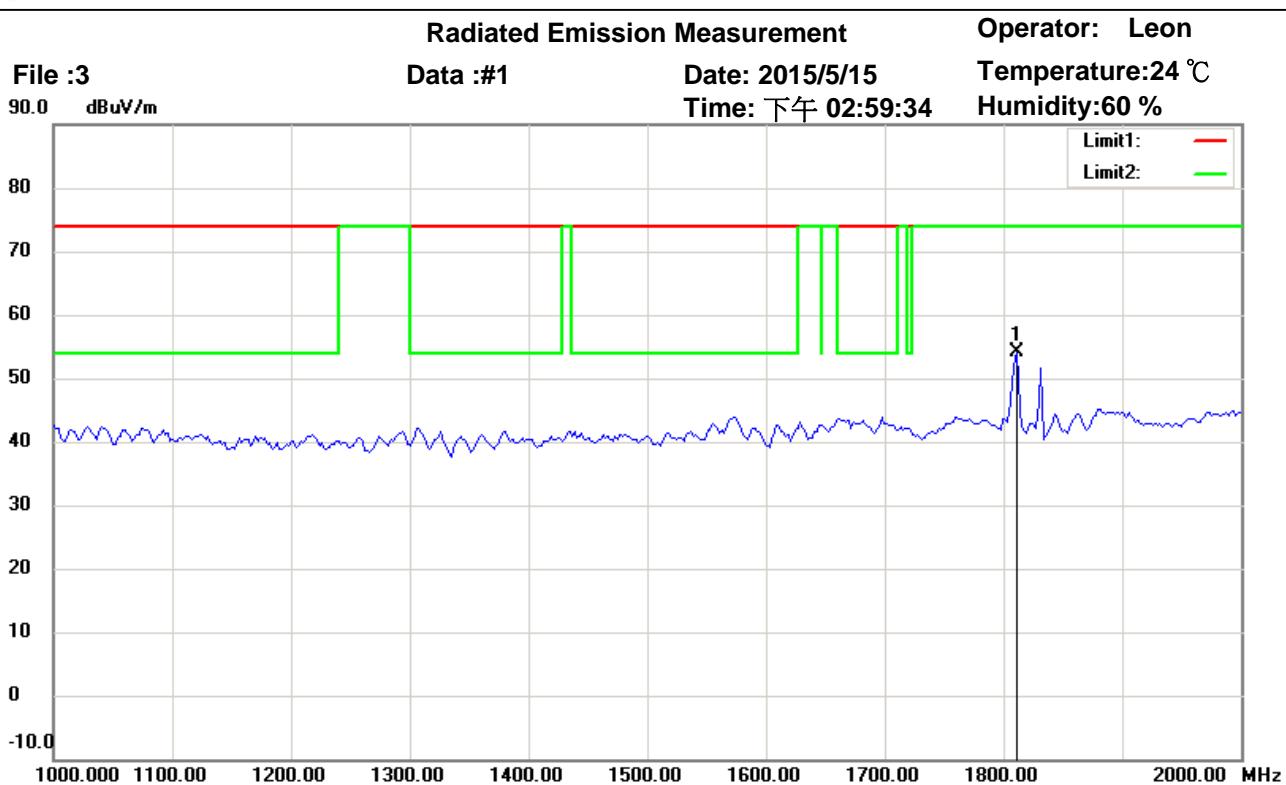
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	935.4710	20.07	peak	28.39	48.46	74.00	100	190	-25.54	
*	962.1242	18.85	peak	28.55	47.40	54.00	100	65	-6.60	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

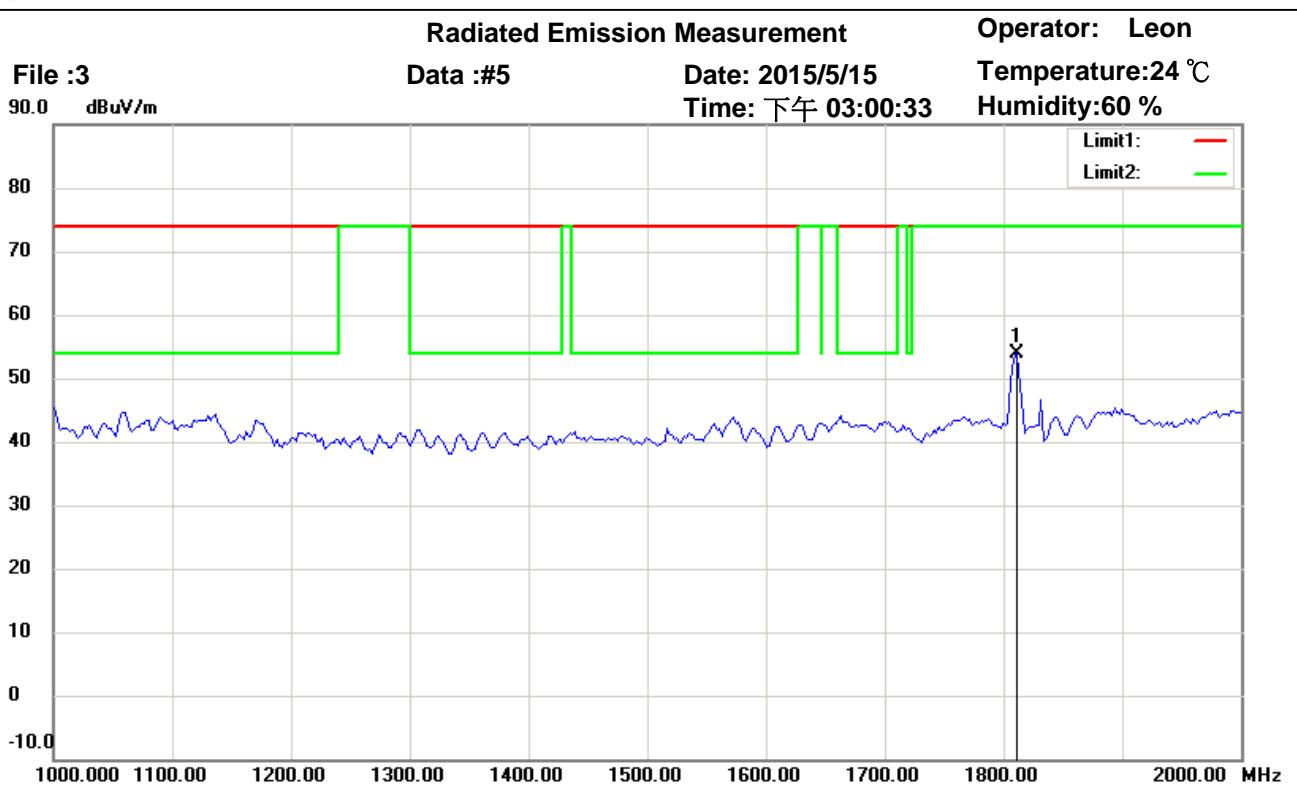
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1811.623	61.16	peak	-7.12	54.04	74.00	100	175	-19.96	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

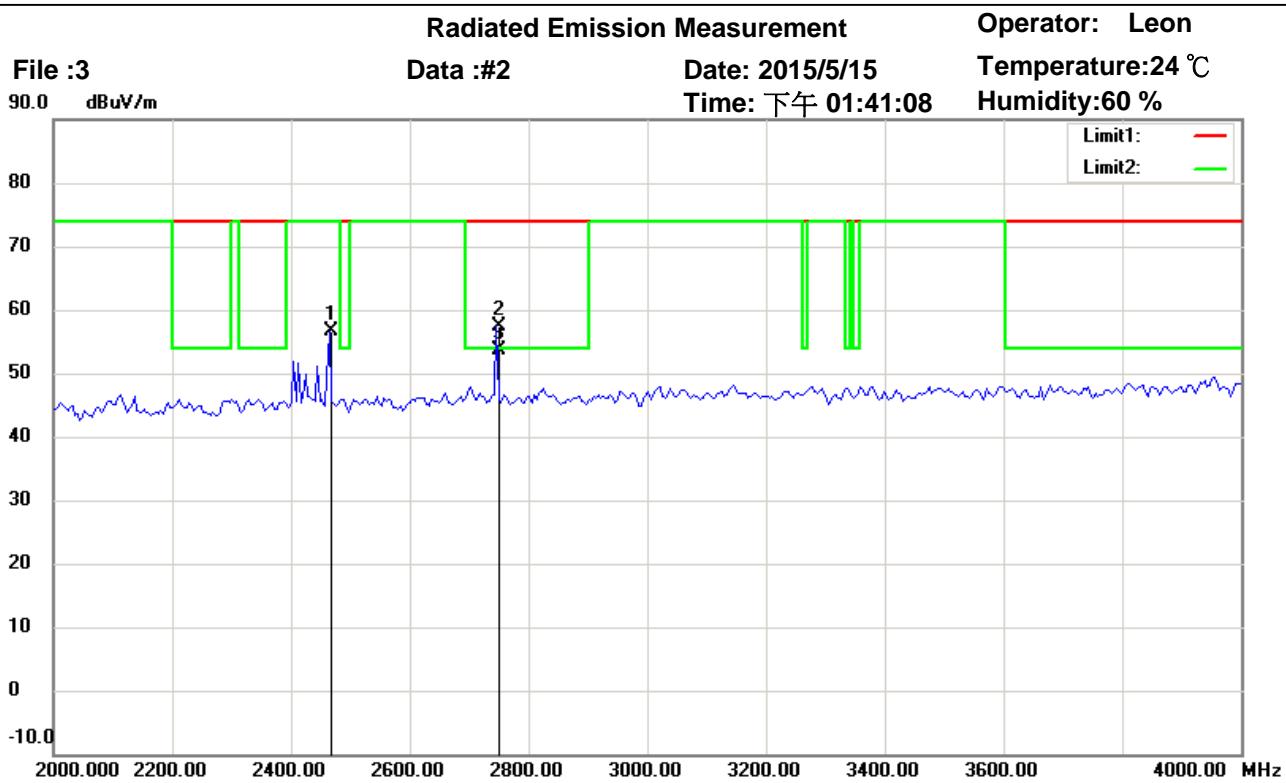
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1811.623	60.97	peak	-7.12	53.85	74.00	100	90	-20.15	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

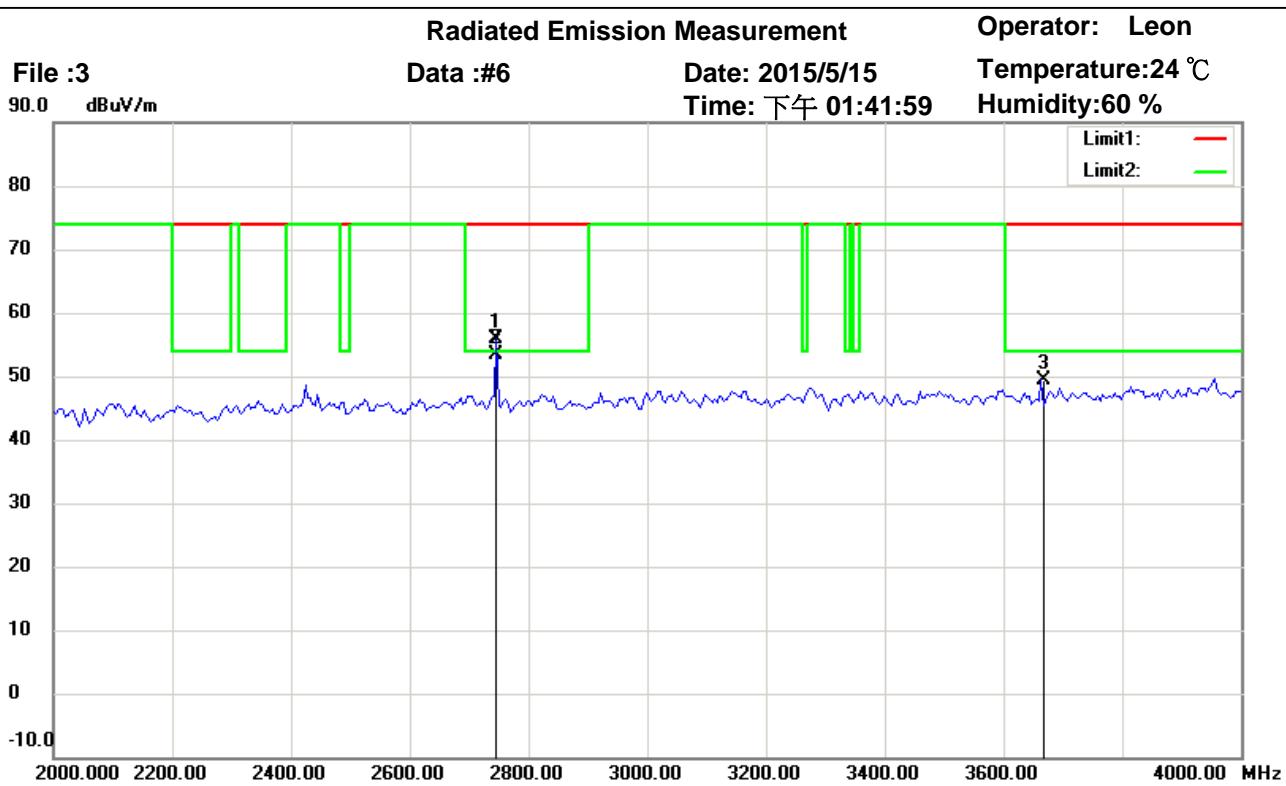
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2464.930	60.68	peak	-3.95	56.73	74.00	100	120	-17.27	
	2745.810	60.35	peak	-2.97	57.38	74.00	100	243	-16.62	
*	2745.810	56.65	AVG	-2.97	53.68	54.00	100	243	-0.32	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

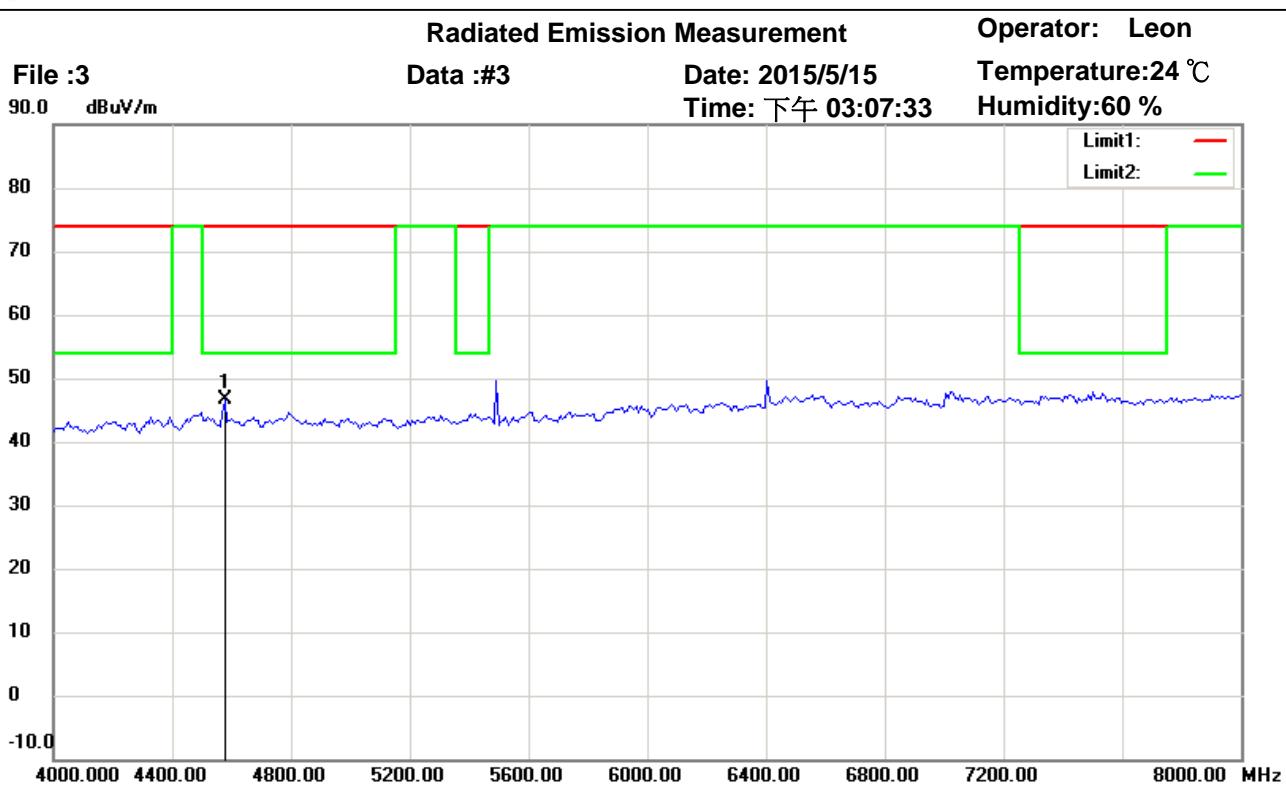
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2745.491	58.79	peak	-2.97	55.82	74.00	100	95	-18.18	
*	2745.491	56.35	AVG	-2.97	53.38	54.00	100	95	-0.62	
	3663.327	50.42	peak	-1.15	49.27	74.00	100	30	-24.73	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

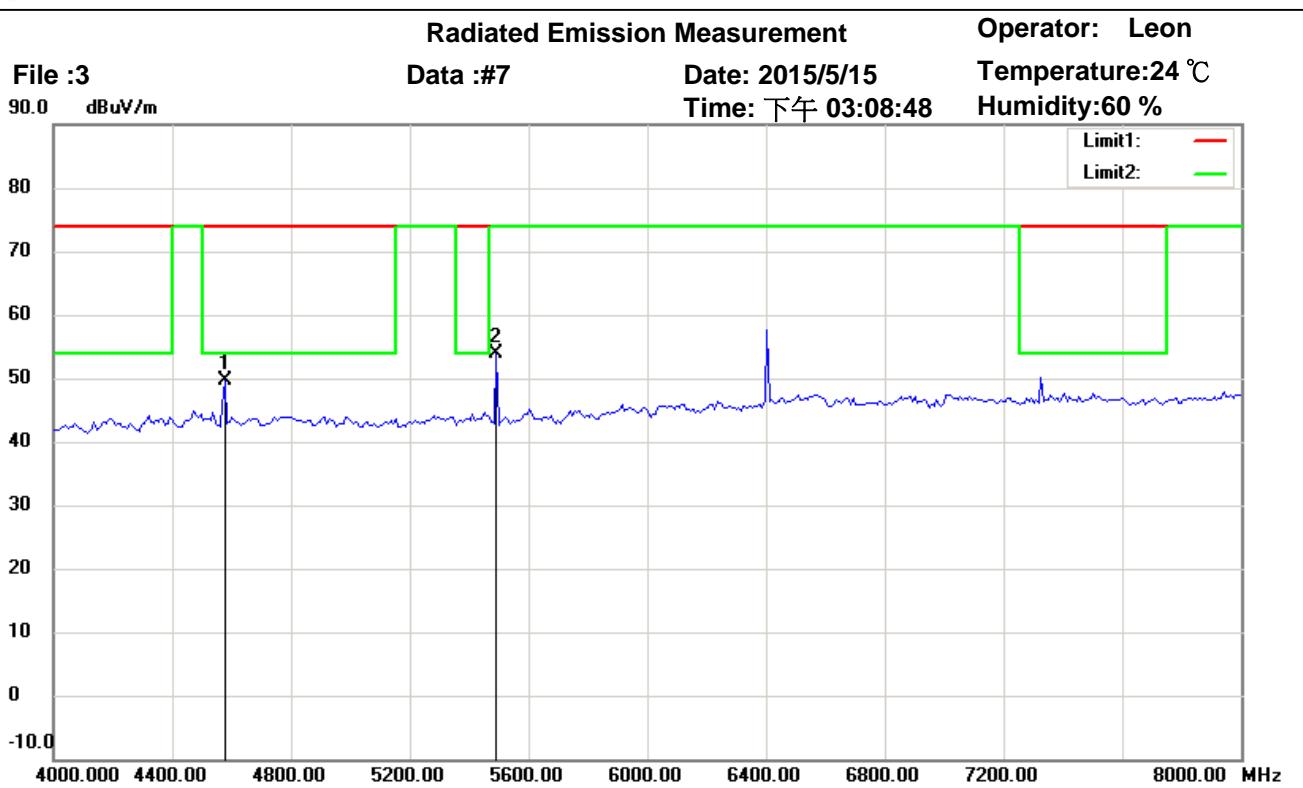
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4577.154	45.72	peak	0.82	46.54	74.00	100	50	-27.46	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

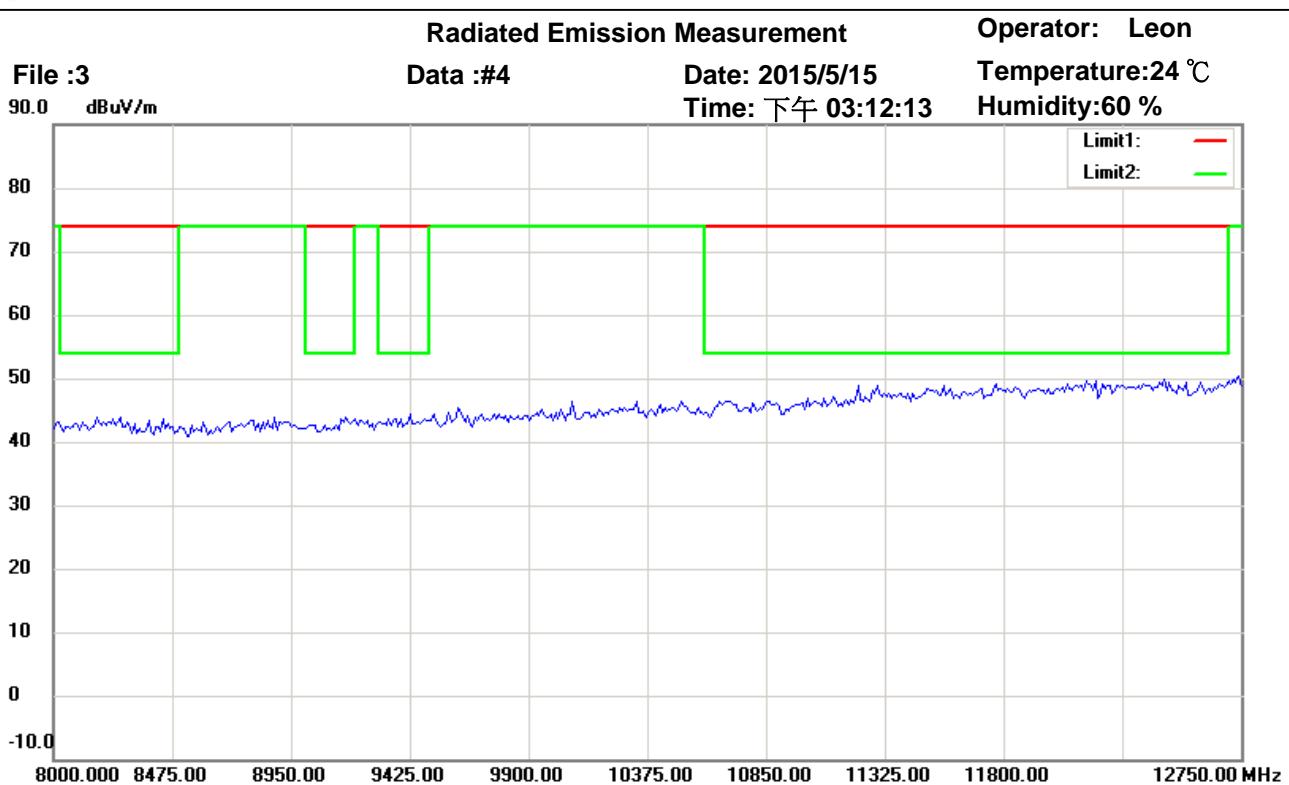
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4577.154	48.81	peak	0.82	49.63	74.00	100	145	-24.37	
*	5490.982	51.47	peak	2.44	53.91	74.00	100	230	-20.09	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

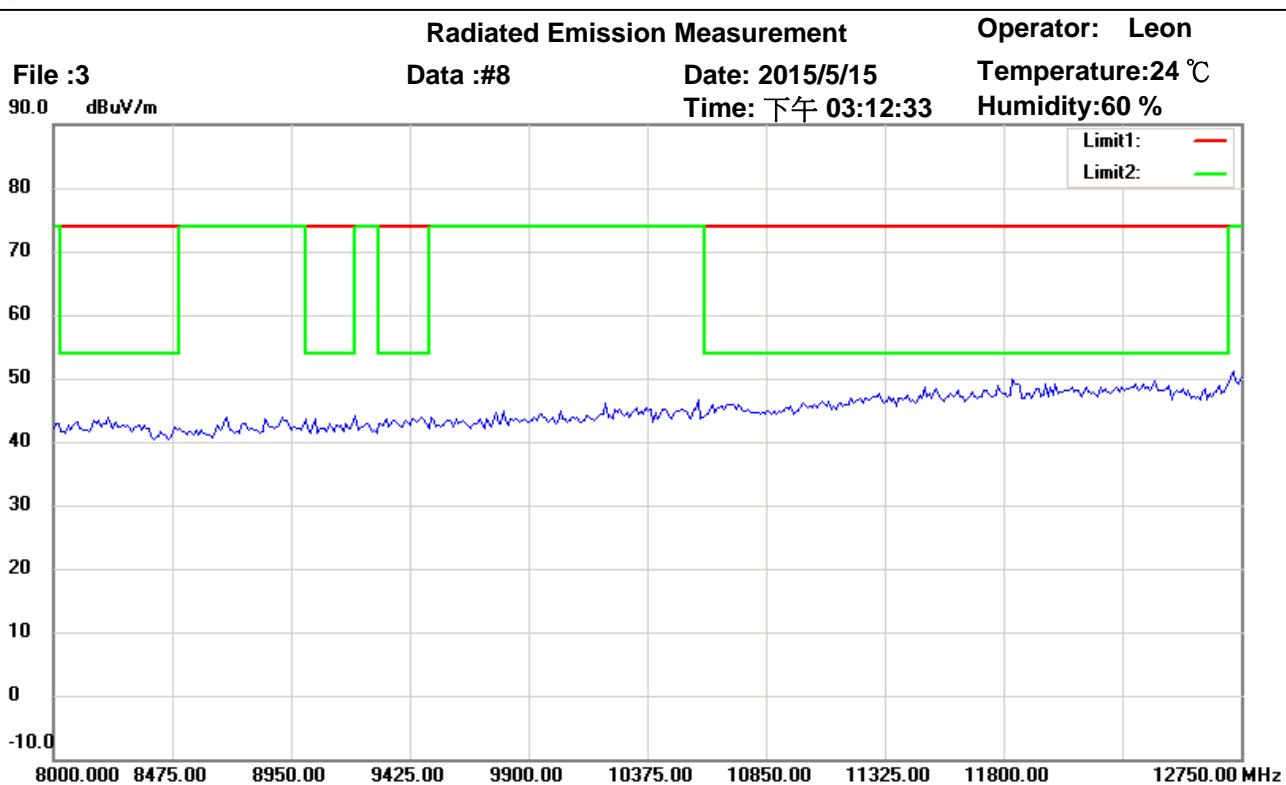
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Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

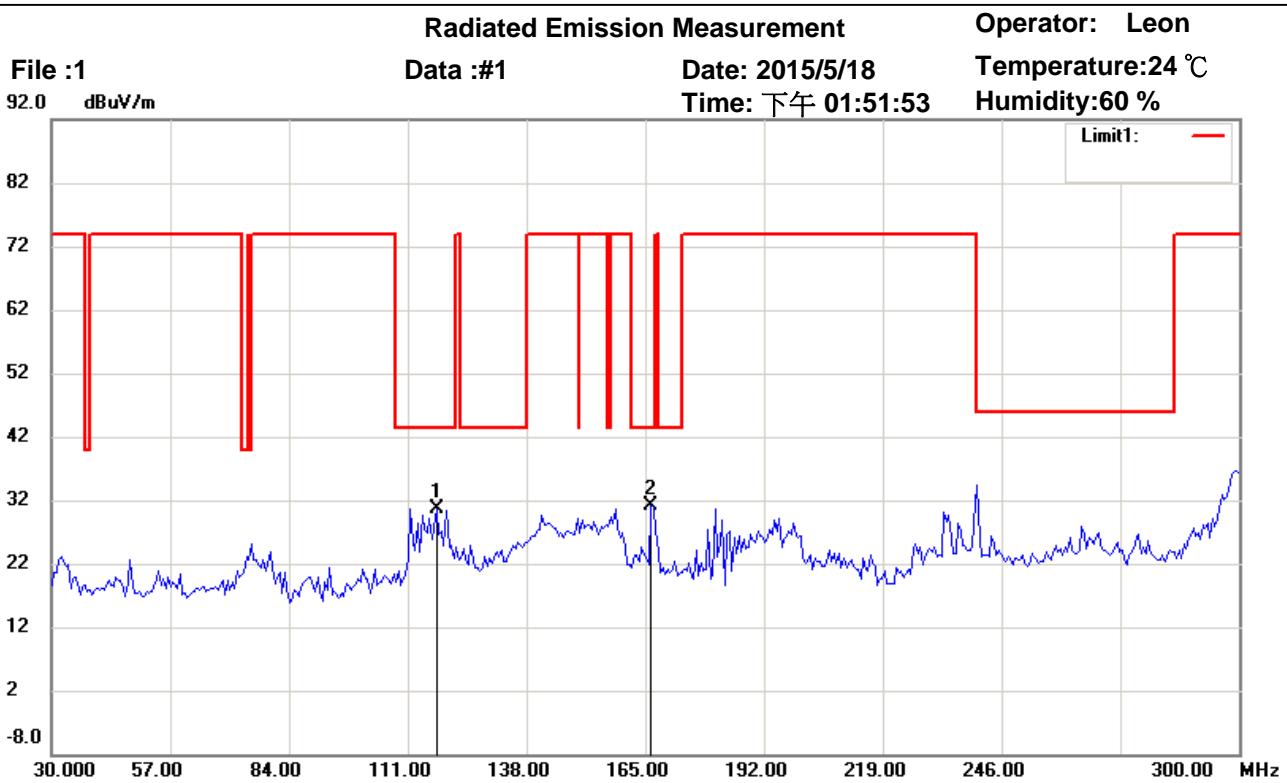
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

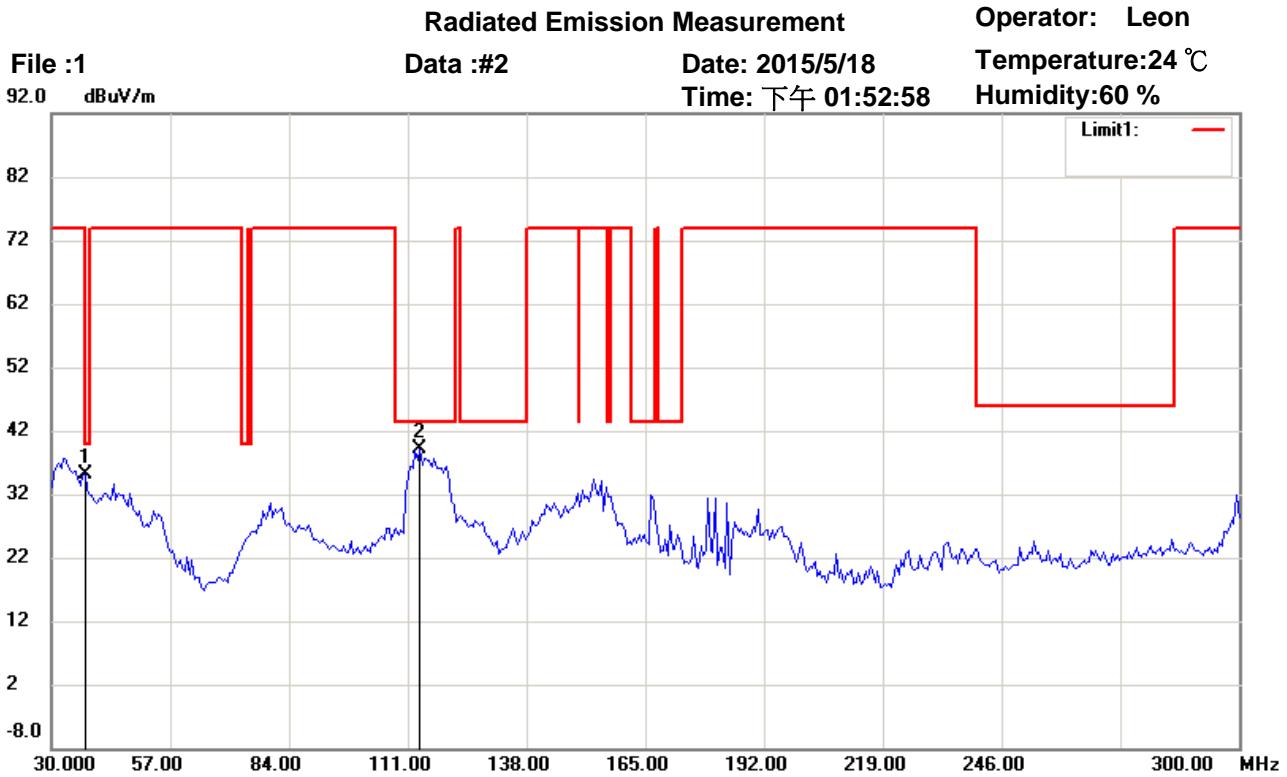
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	117.6553	16.73	peak	13.81	30.54	43.50	100	130	-12.96	
*	166.3527	15.92	peak	15.24	31.16	43.50	100	55	-12.34	



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

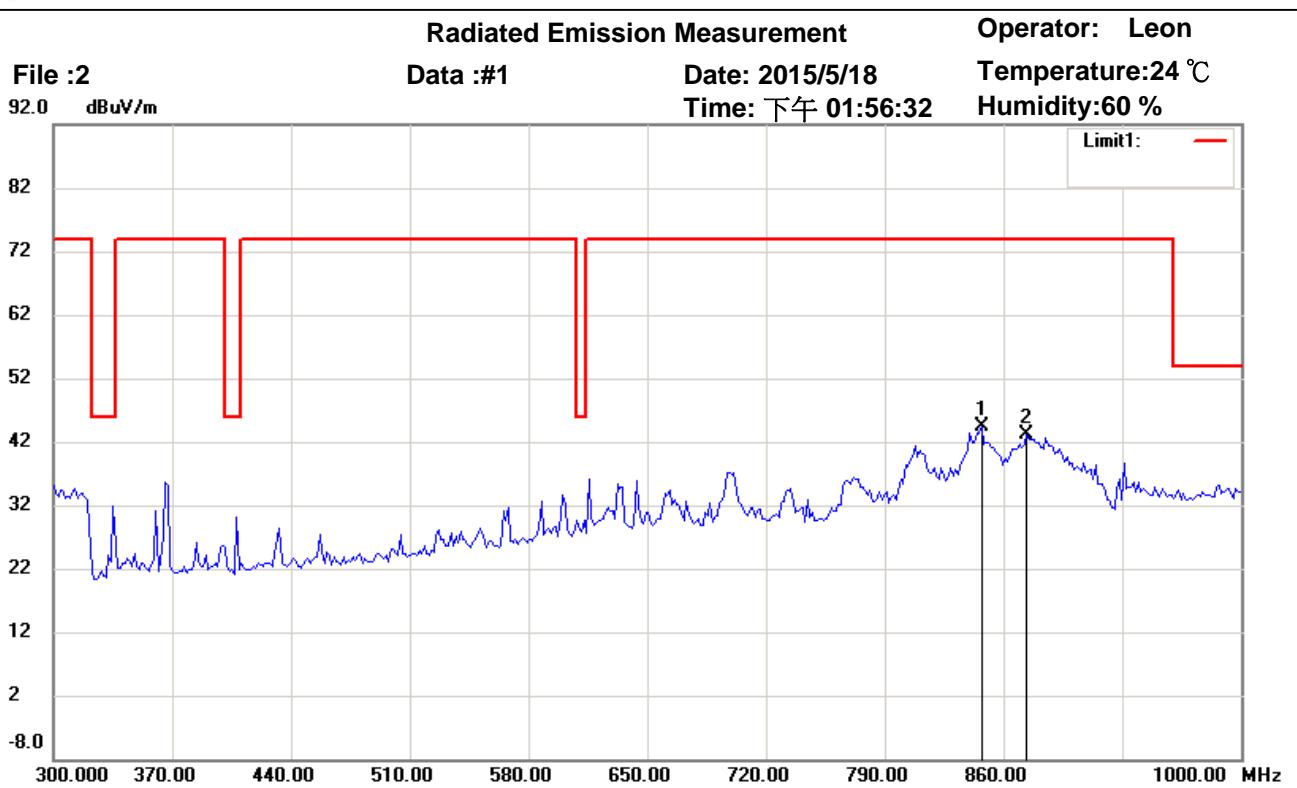
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	37.5752	20.91	peak	14.31	35.22	40.00	100	175	-4.78	
*	113.8677	25.68	peak	13.54	39.22	43.50	100	310	-4.28	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

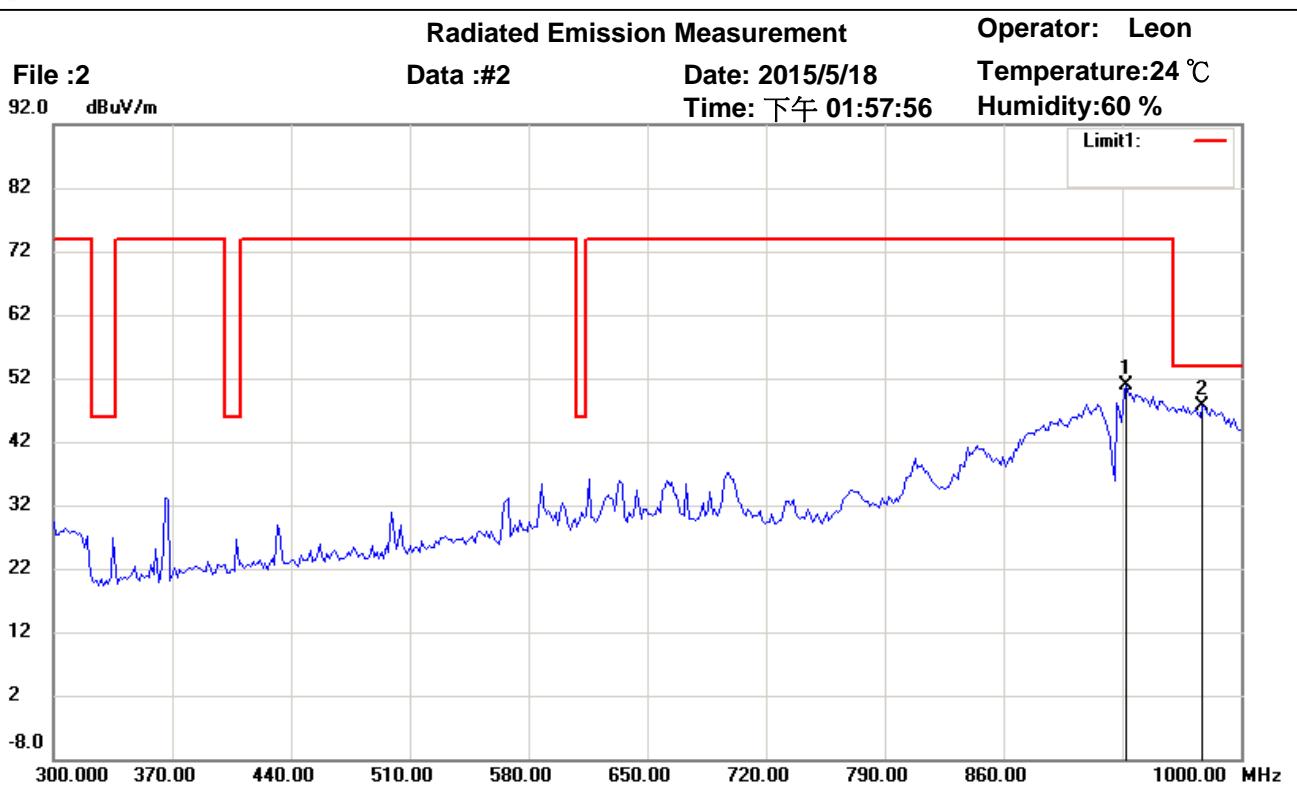
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	847.0942	16.83	peak	27.49	44.32	74.00	100	145	-29.68	
	873.7475	15.15	peak	27.94	43.09	74.00	100	110	-30.91	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

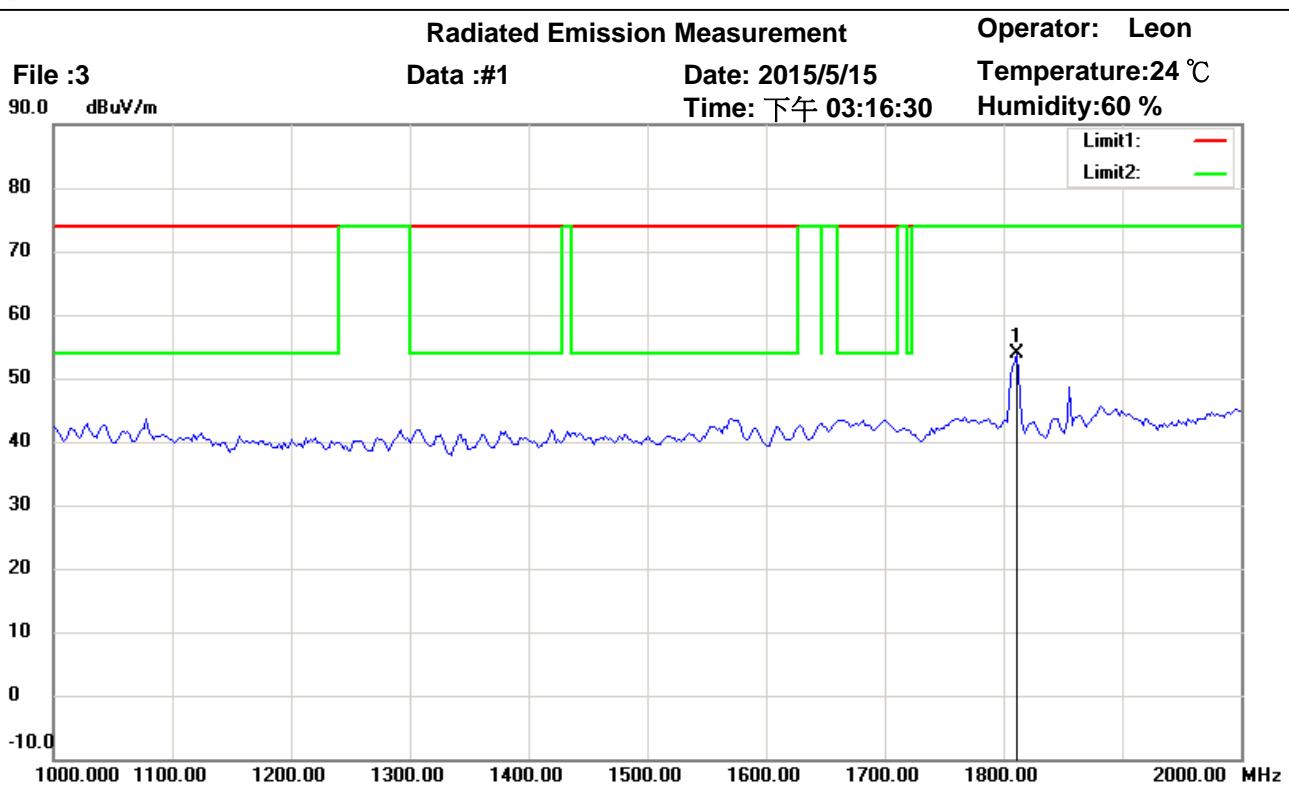
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Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	932.6653	22.49	peak	28.39	50.88	74.00	100	170	-23.12	
*	977.5551	18.85	peak	28.75	47.60	54.00	100	35	-6.40	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

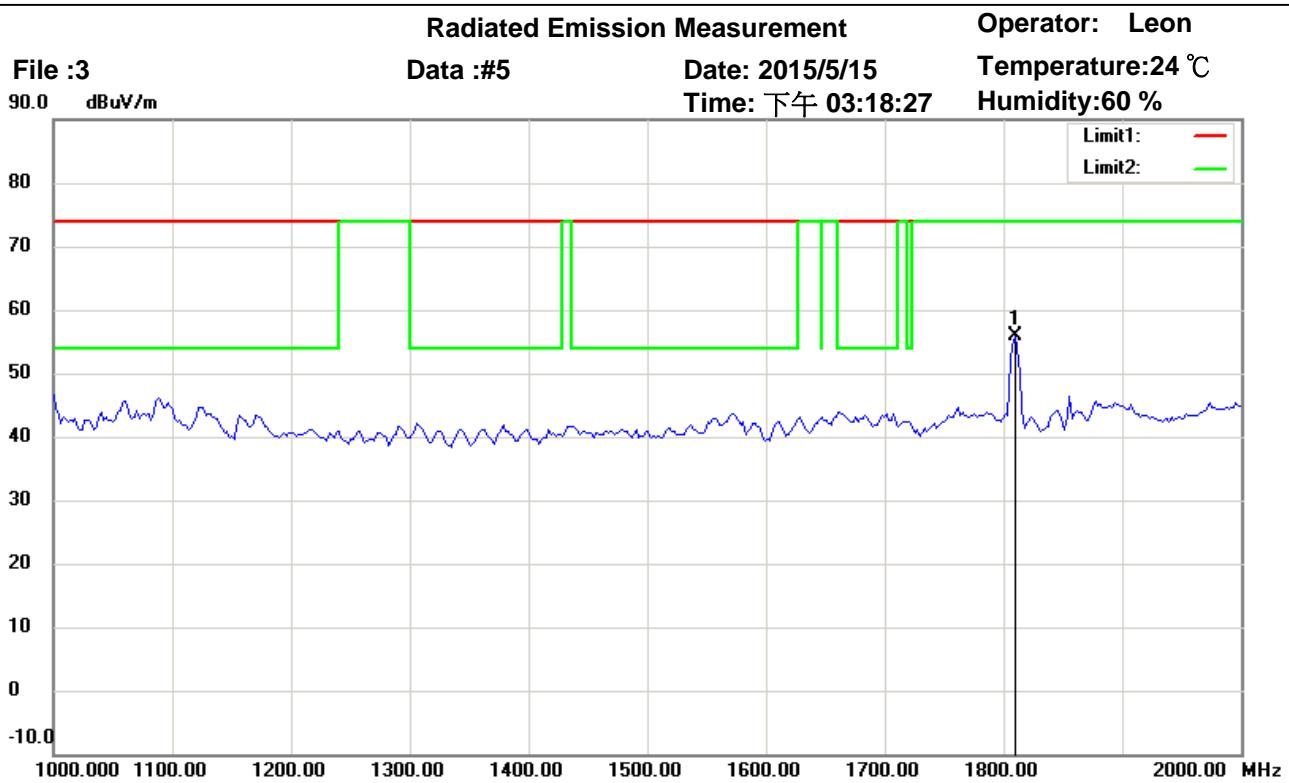
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1811.623	61.10	peak	-7.12	53.98	74.00	100	155	-20.02	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

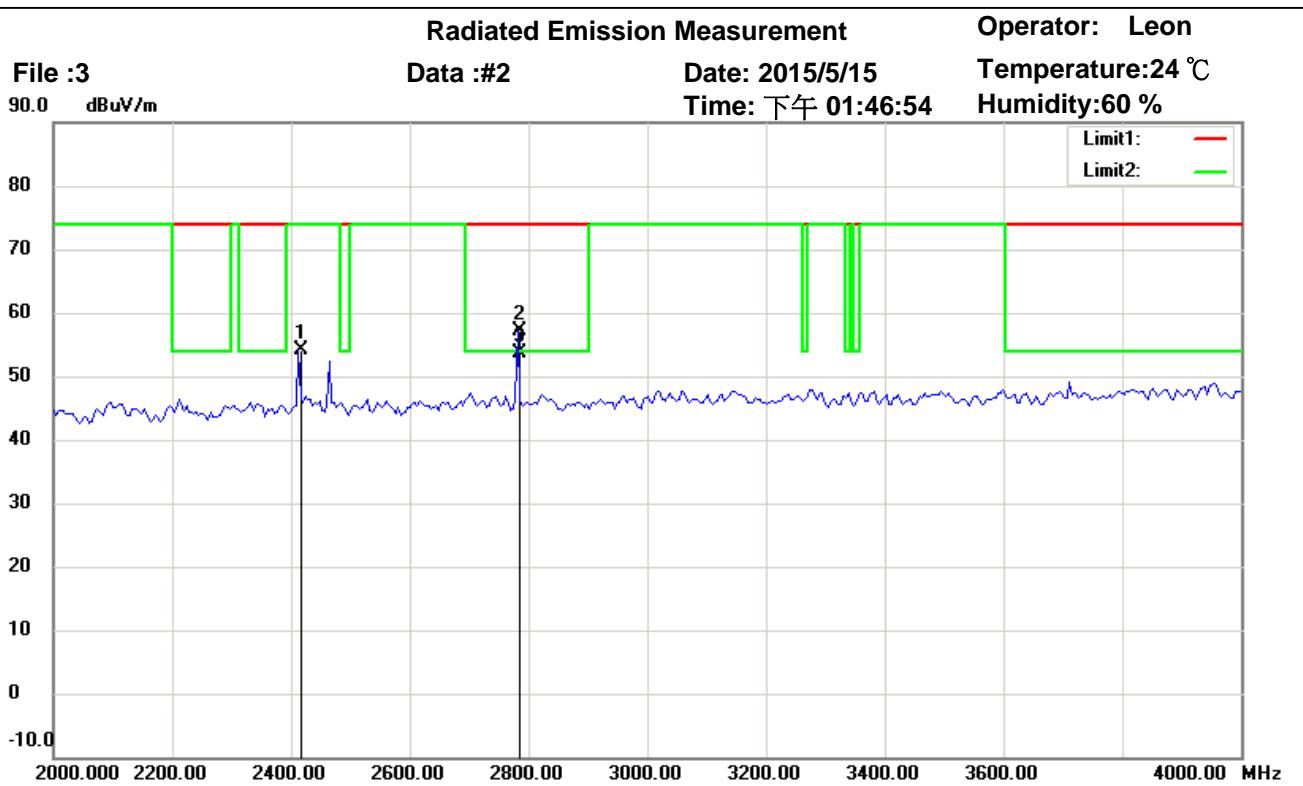
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1809.619	62.98	peak	-7.15	55.83	74.00	100	210	-18.17	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

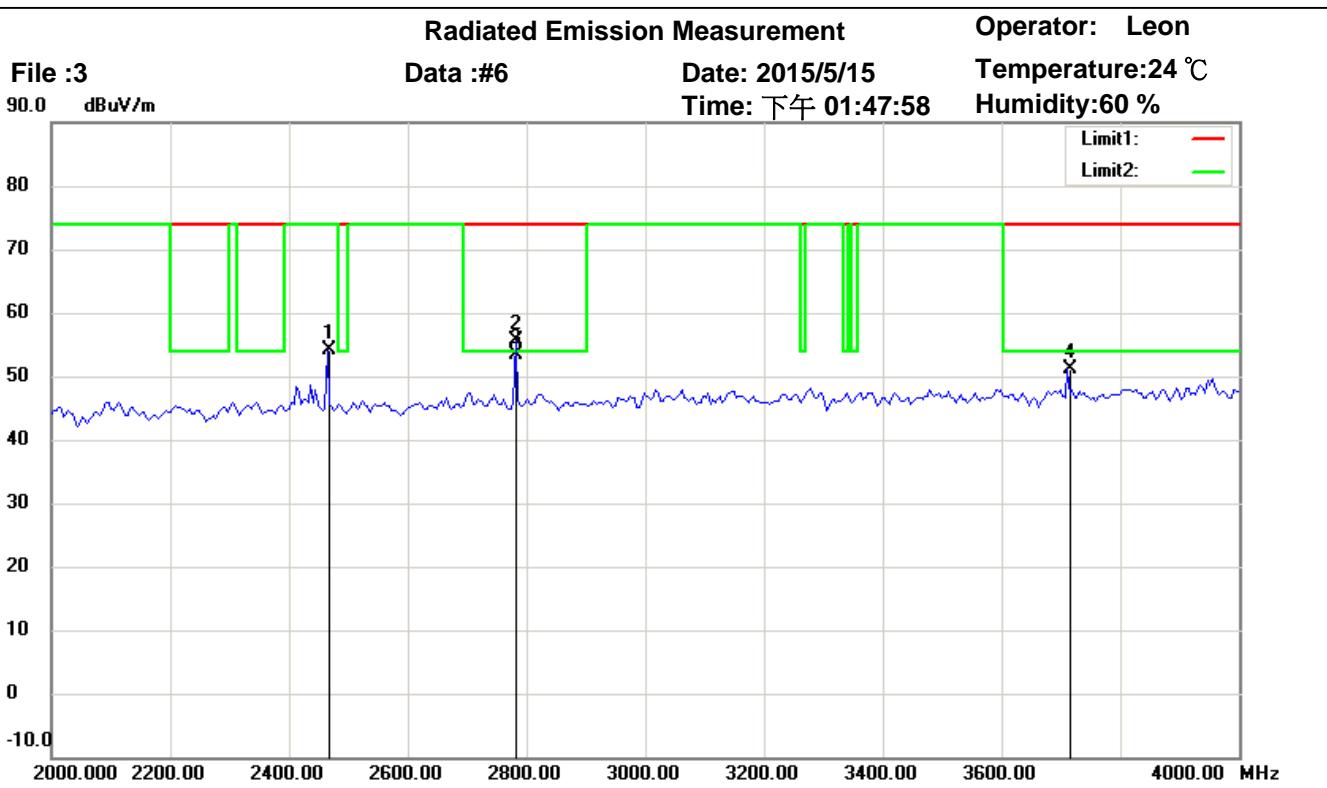
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2412.826	58.14	peak	-4.05	54.09	74.00	100	170	-19.91	
	2781.809	59.98	peak	-2.86	57.12	74.00	100	37	-16.88	
*	2781.809	56.59	AVG	-2.86	53.73	54.00	100	37	-0.27	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

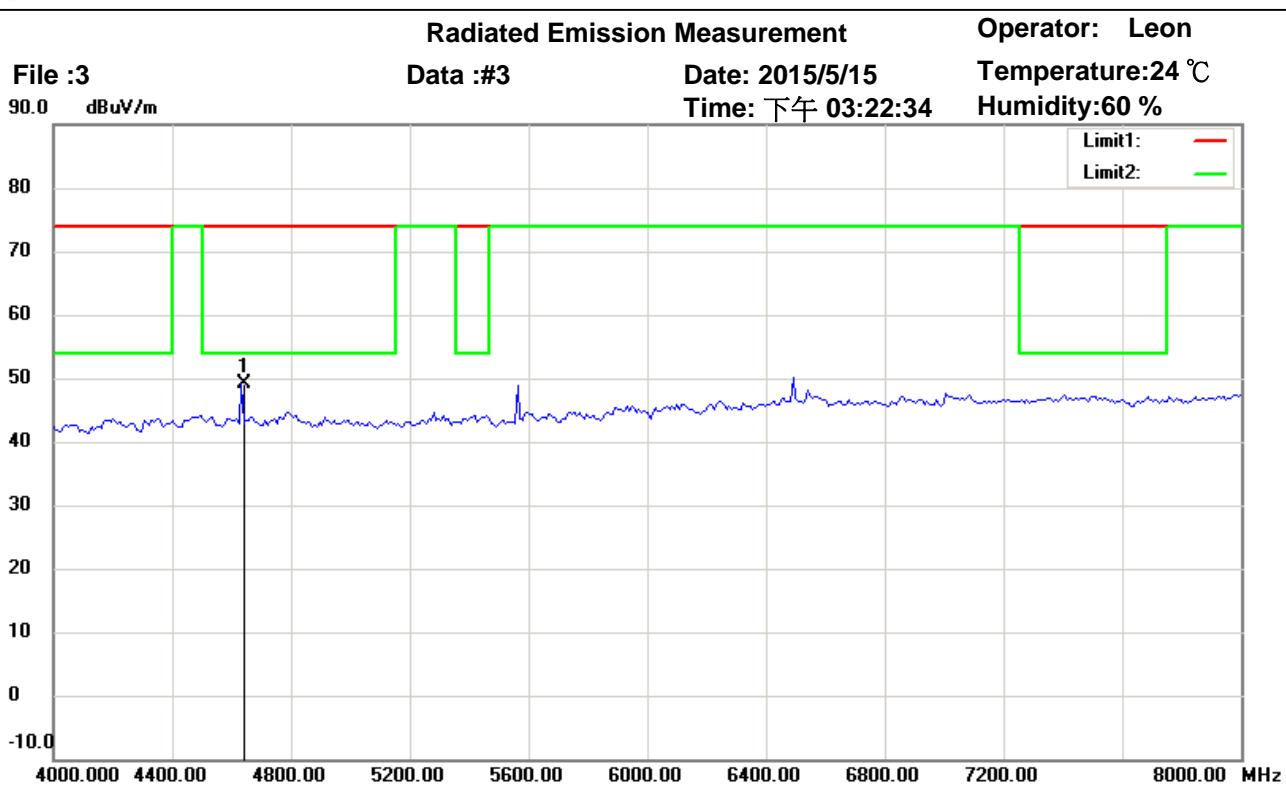
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2464.930	58.09	peak	-3.95	54.14	74.00	100	85	-19.86	
	2781.563	58.54	peak	-2.86	55.68	74.00	100	135	-18.32	
*	2781.563	56.31	AVG	-2.86	53.45	54.00	100	135	-0.55	
	3711.423	52.22	peak	-1.13	51.09	74.00	100	90	-22.91	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

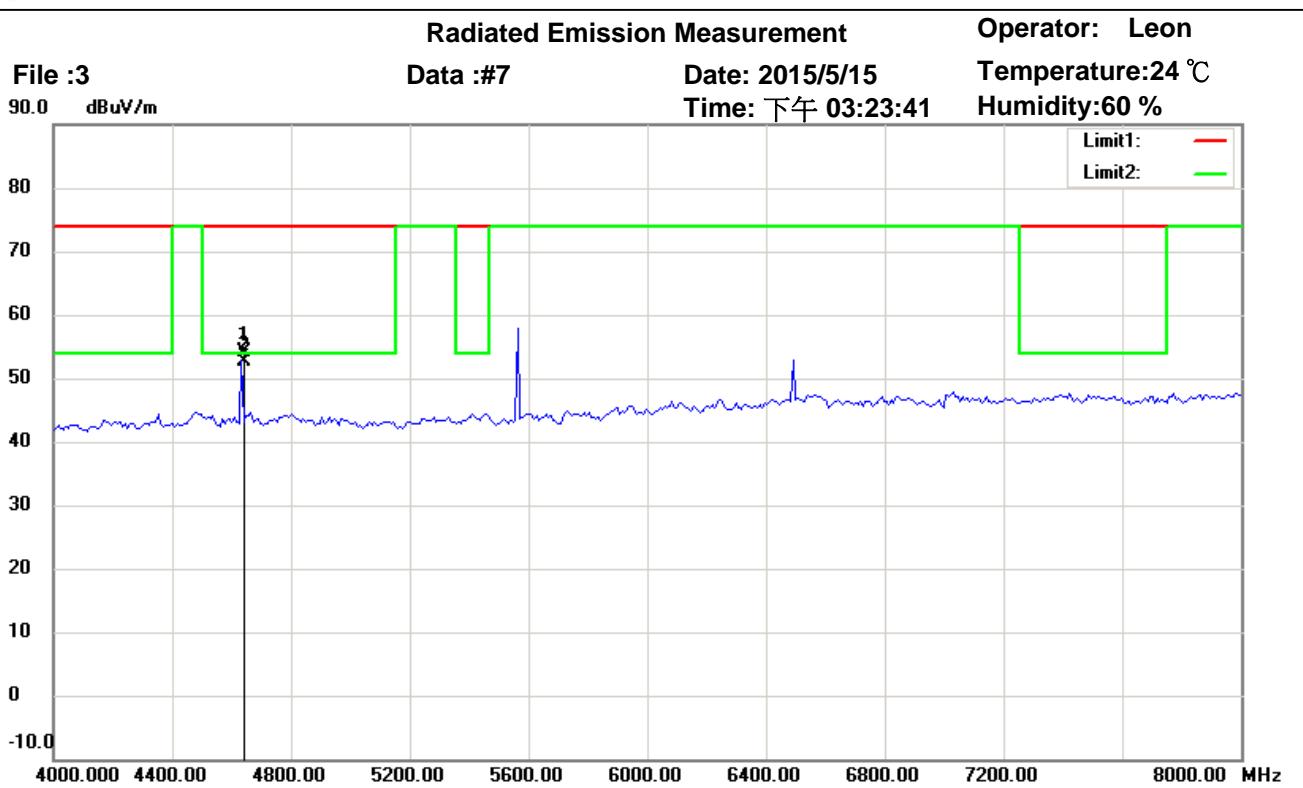
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4633.267	48.62	peak	0.61	49.23	74.00	100	215	-24.77	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

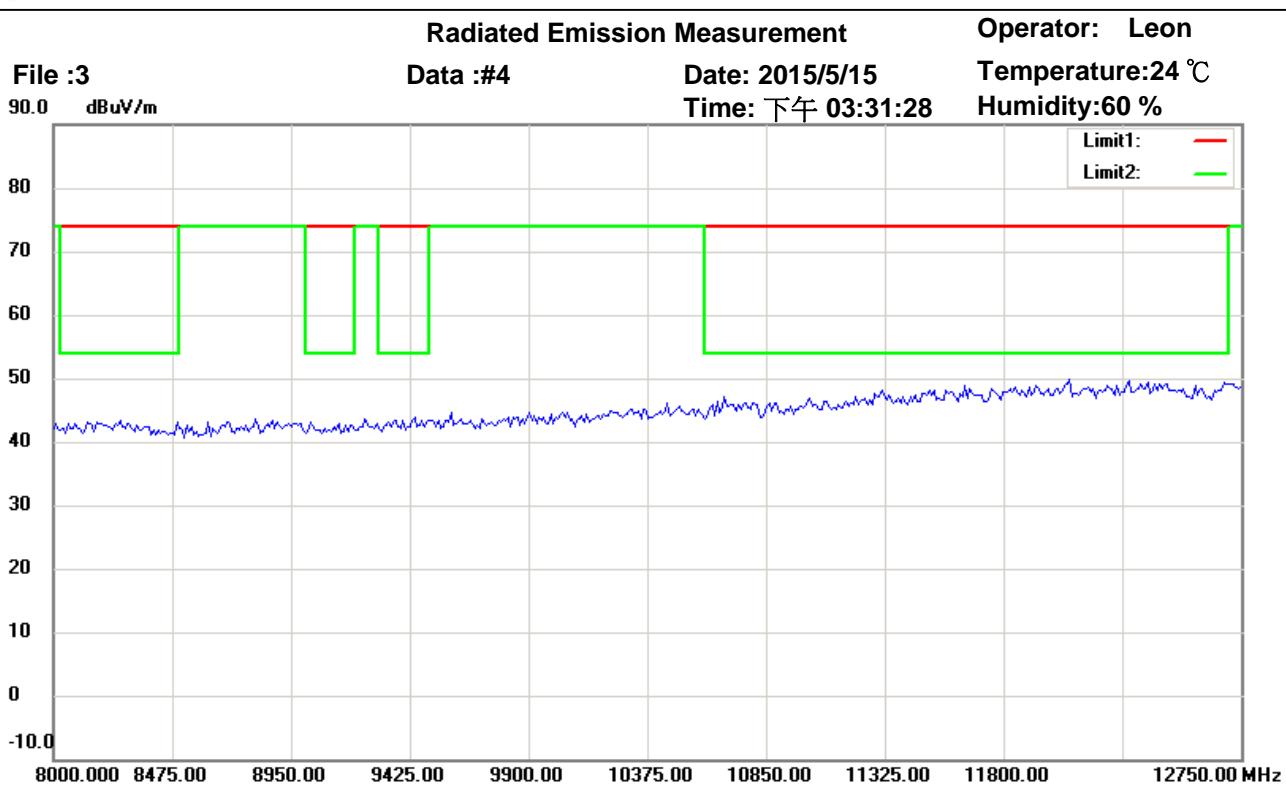
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4633.267	53.46	peak	0.61	54.07	74.00	100	115	-19.93	
*	4633.267	51.96	AVG	0.61	52.57	54.00	100	155	-1.43	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

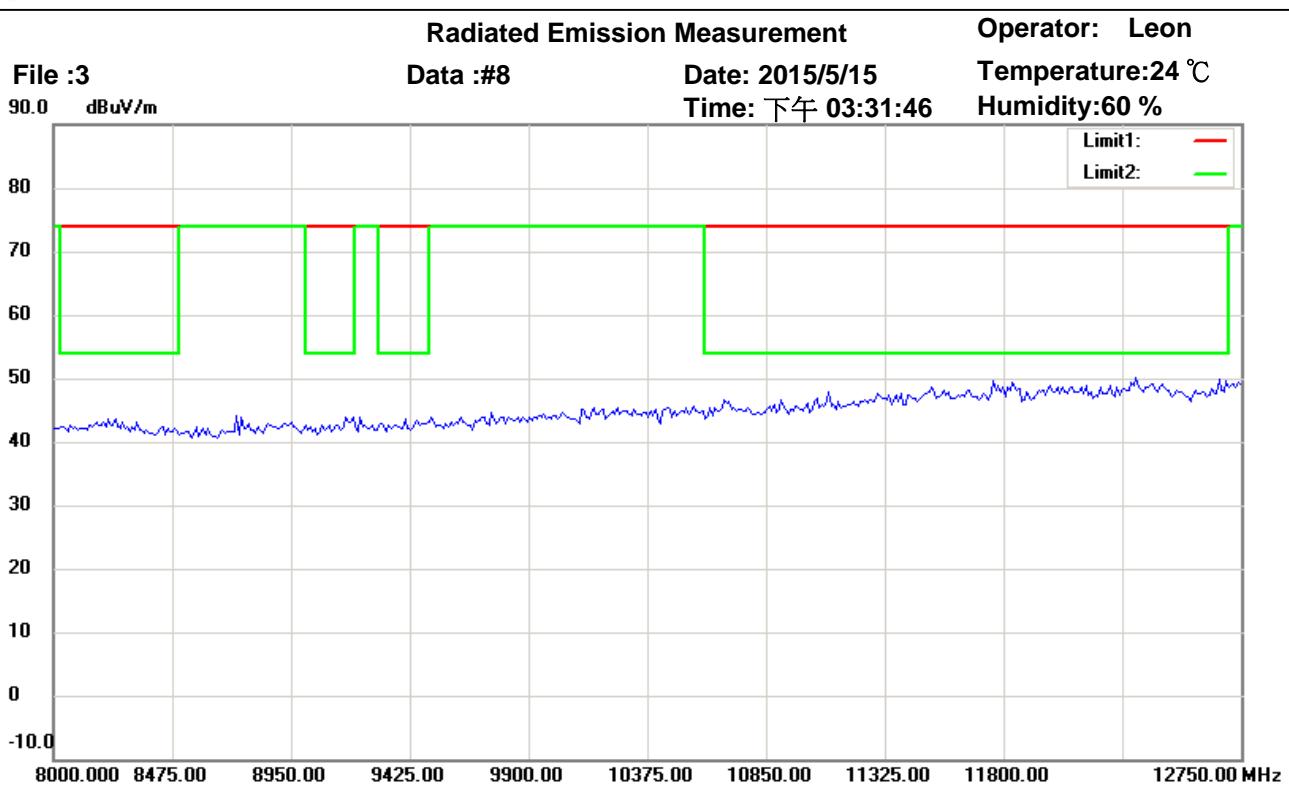
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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# Worldwide Testing Services(Taiwan) Co., Ltd.

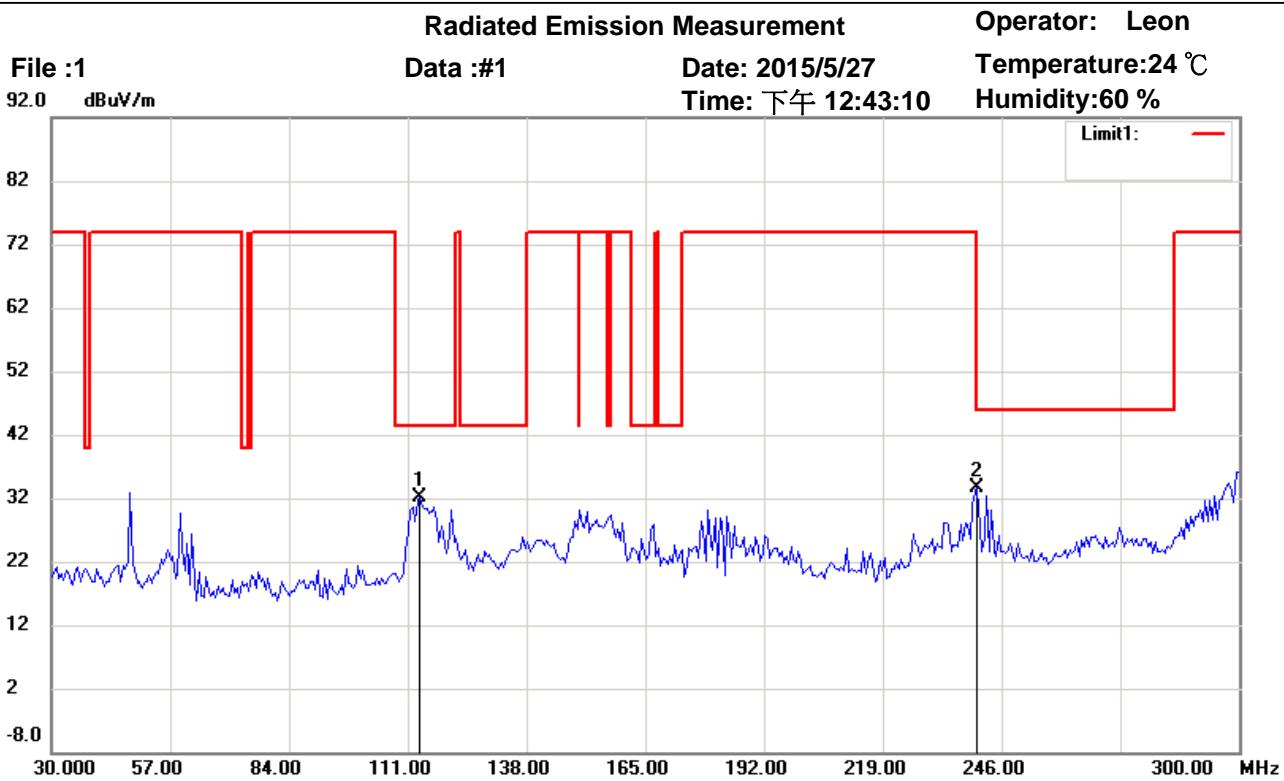
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

TX\_Antenna model: PWD100



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



Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

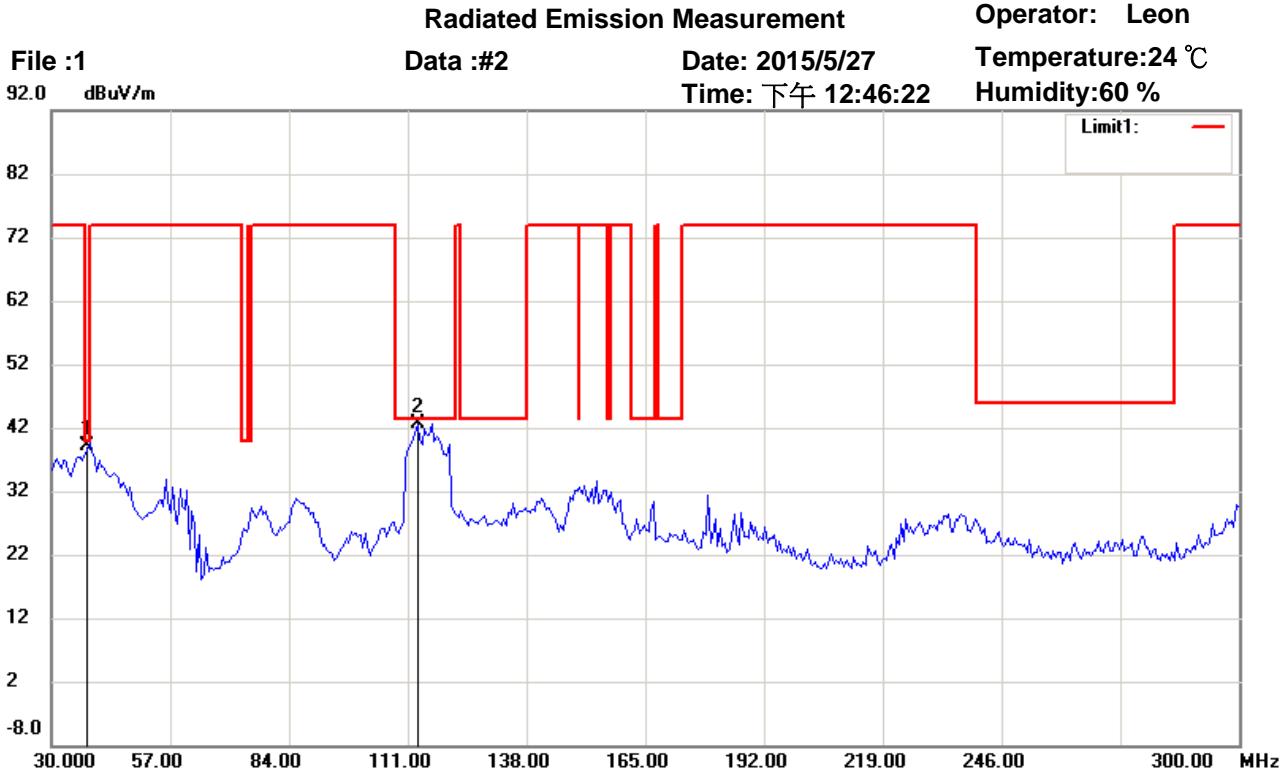
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	113.8677	18.54	peak	13.54	32.08	43.50	100	155	-11.42	
	240.4810	19.39	peak	14.21	33.60	46.00	100	90	-12.40	



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	38.1162	24.69	QP	14.37	39.06	40.00	100	155	-0.94	
*	113.3267	29.09	QP	13.50	42.59	43.50	100	210	-0.91	



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File :2

92.0 dBuV/m

Radiated Emission Measurement

Data :#1

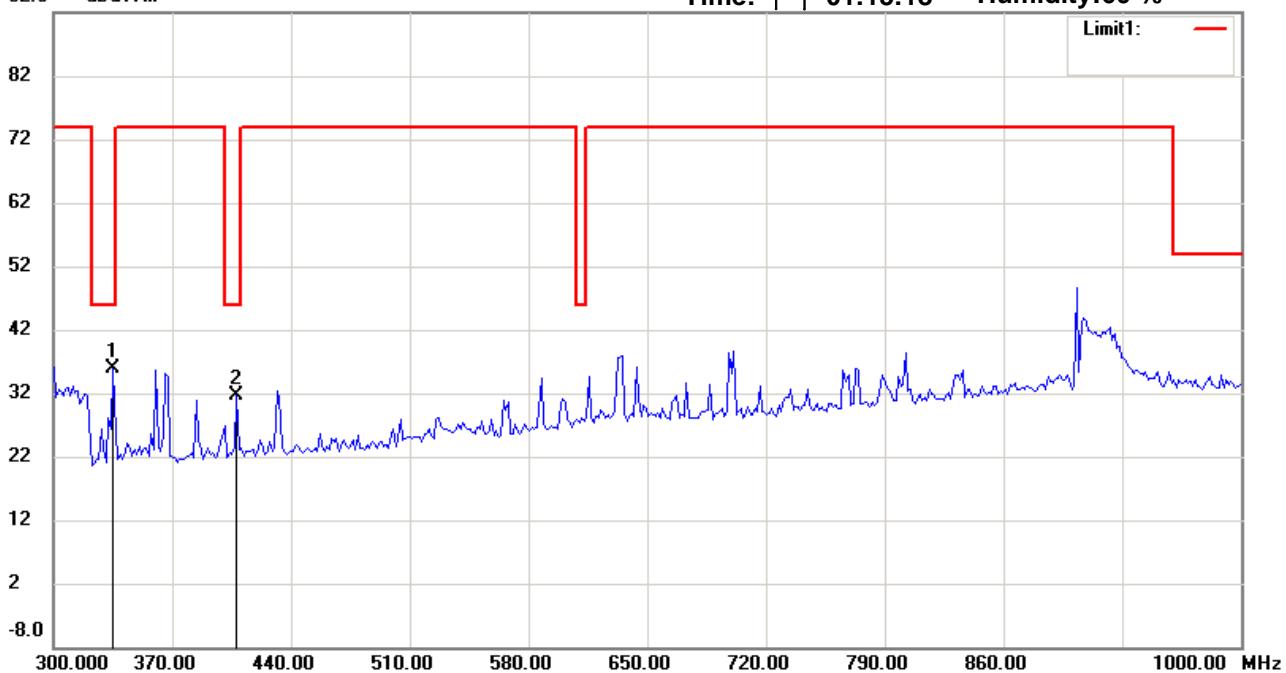
Date: 2015/5/27

Time: 下午 01:15:18

Operator: Leon

Temperature:24 °C

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

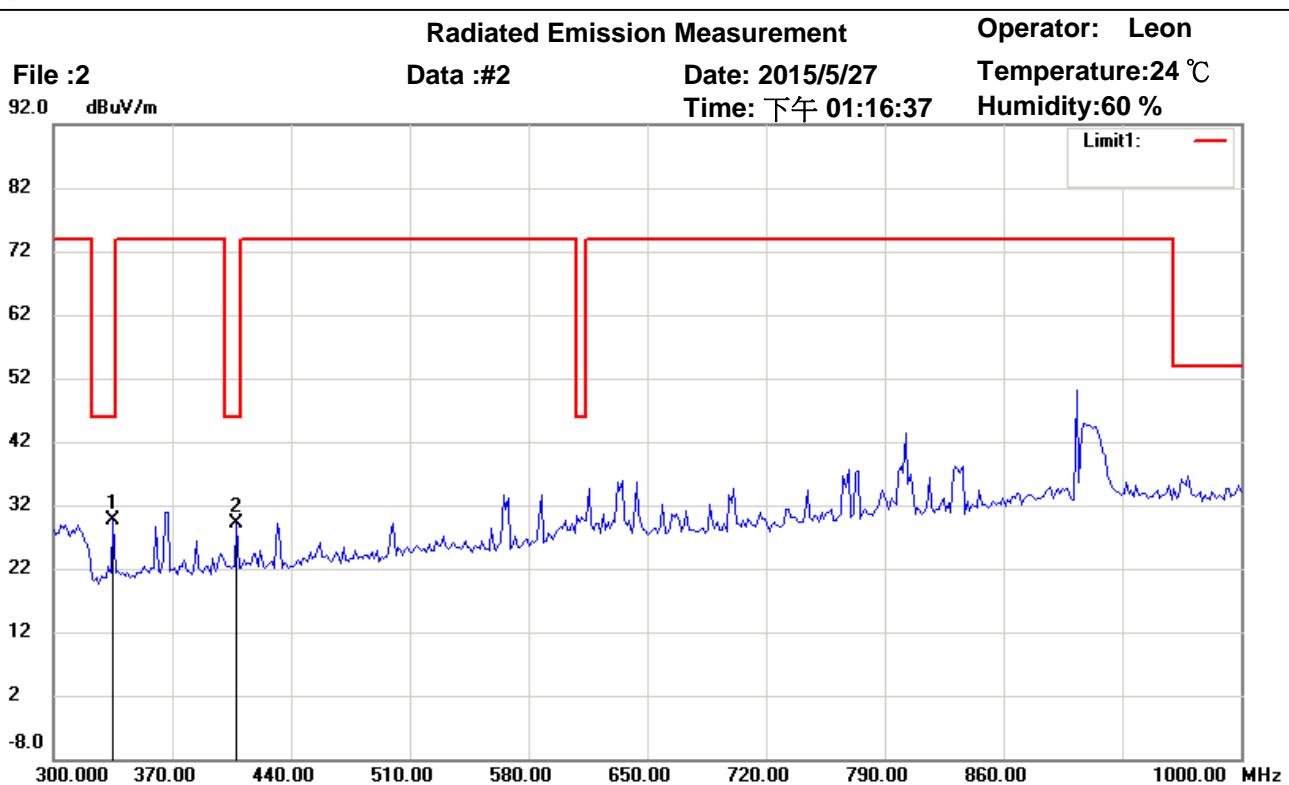
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	335.0701	19.00	peak	16.99	35.99	46.00	100	135	-10.01	
	408.0160	12.59	peak	19.00	31.59	46.00	100	60	-14.41	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

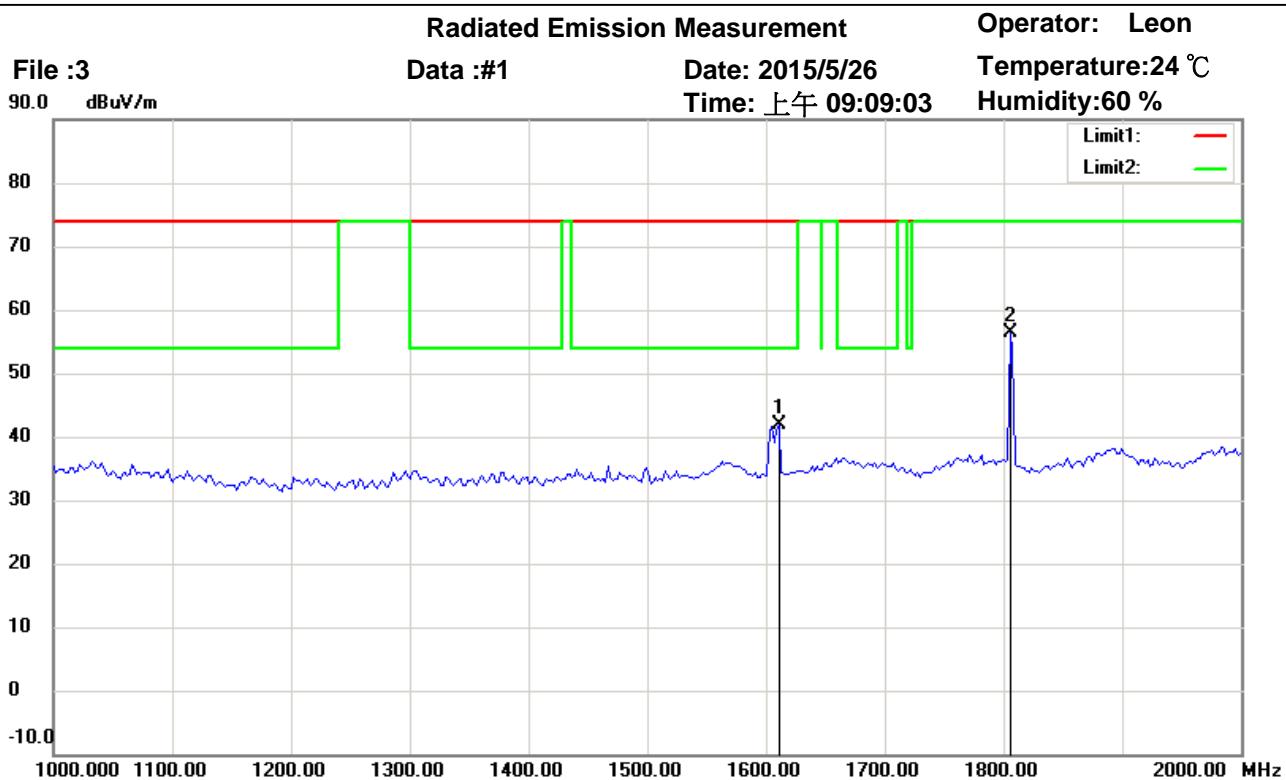
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	335.0701	12.57	peak	16.99	29.56	46.00	100	20	-16.44	
	408.0160	10.03	peak	19.00	29.03	46.00	100	185	-16.97	



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Fax:+886-2-6606-8875



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

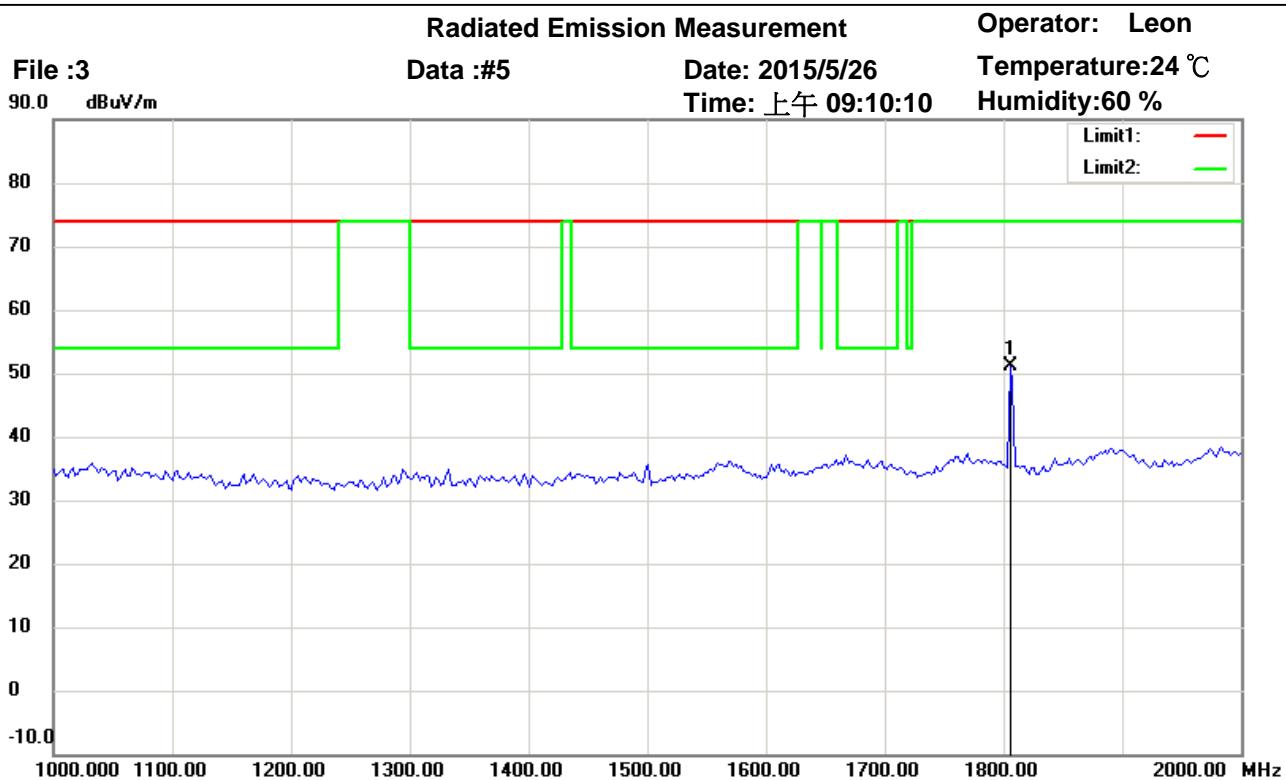
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1611.222	49.57	peak	-7.71	41.86	74.00	100	155	-32.14	
*	1805.611	63.55	peak	-7.20	56.35	74.00	100	90	-17.65	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

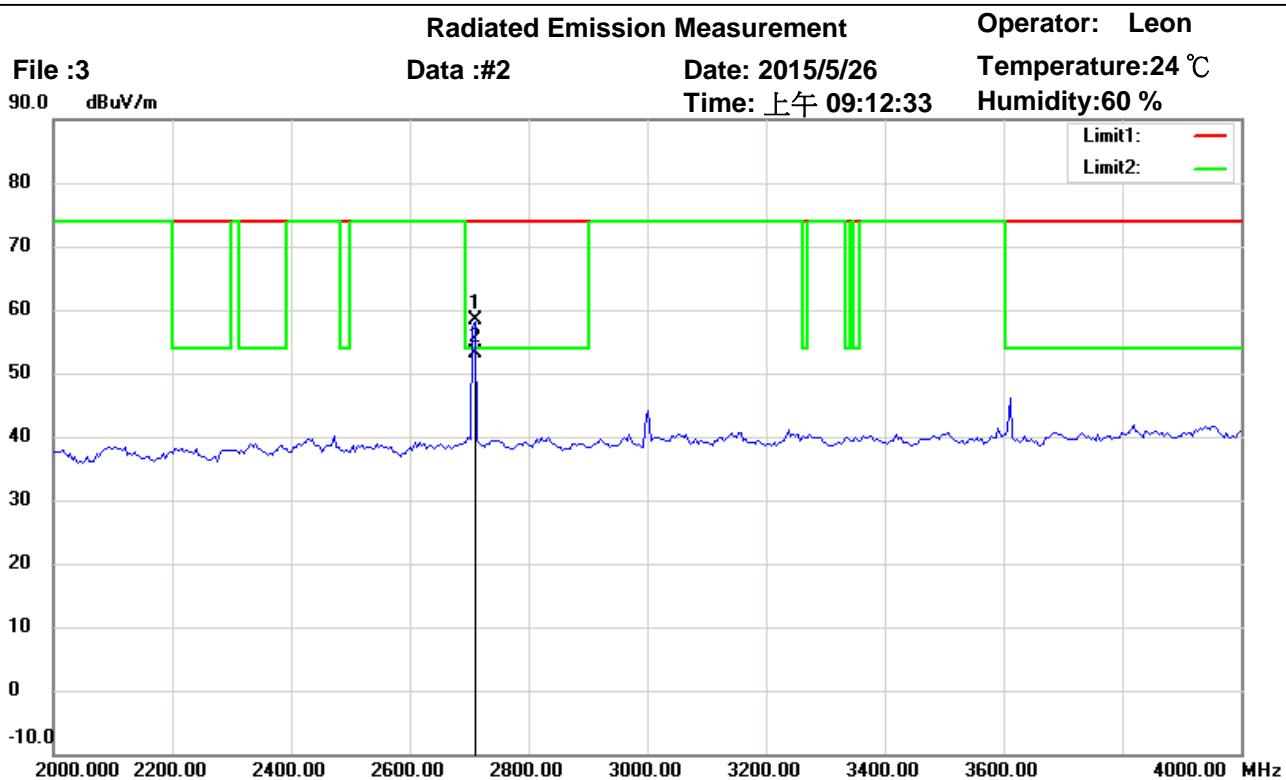
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1805.611	58.25	peak	-7.20	51.05	74.00	100	35	-22.95	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

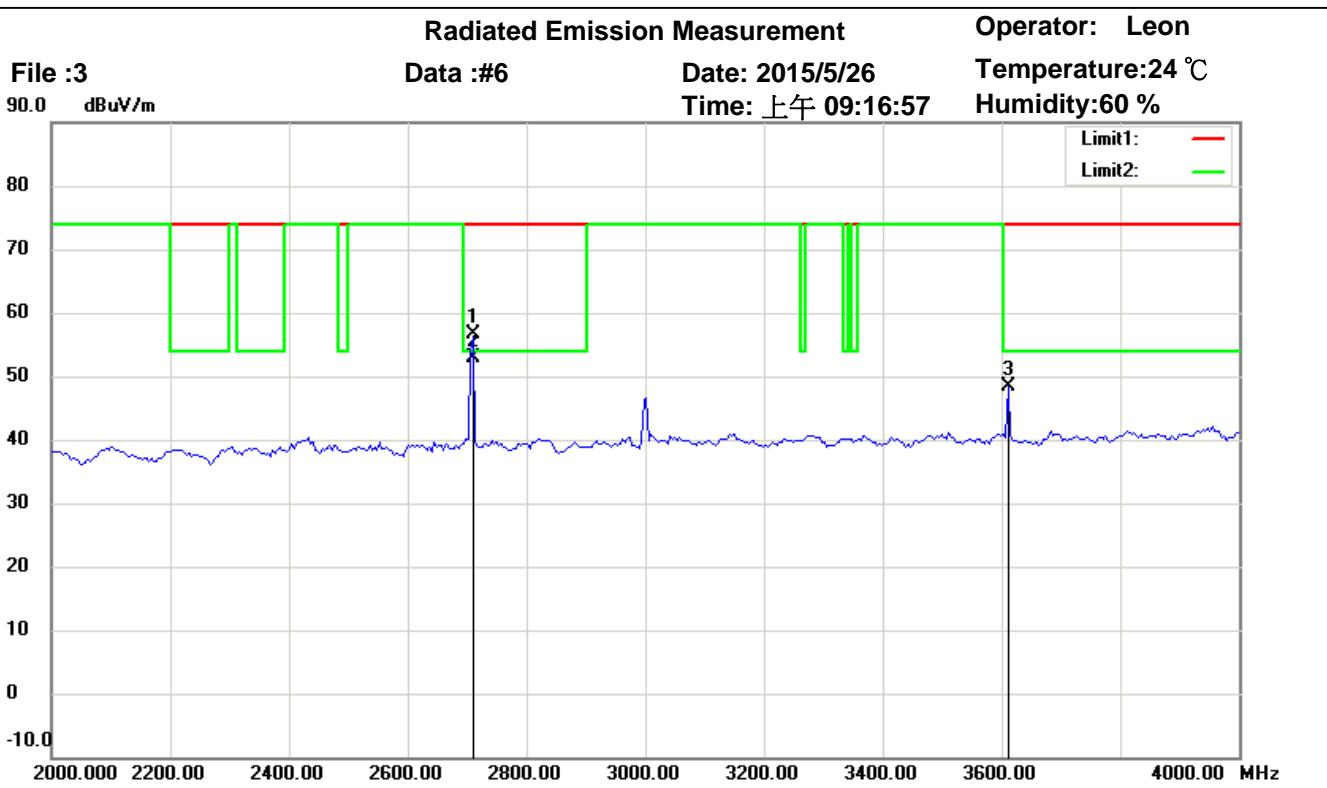
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2708.495	61.40	peak	-3.08	58.32	74.00	100	308	-15.68	
*	2708.495	56.17	AVG	-3.08	53.09	54.00	100	308	-0.91	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: Vertical

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

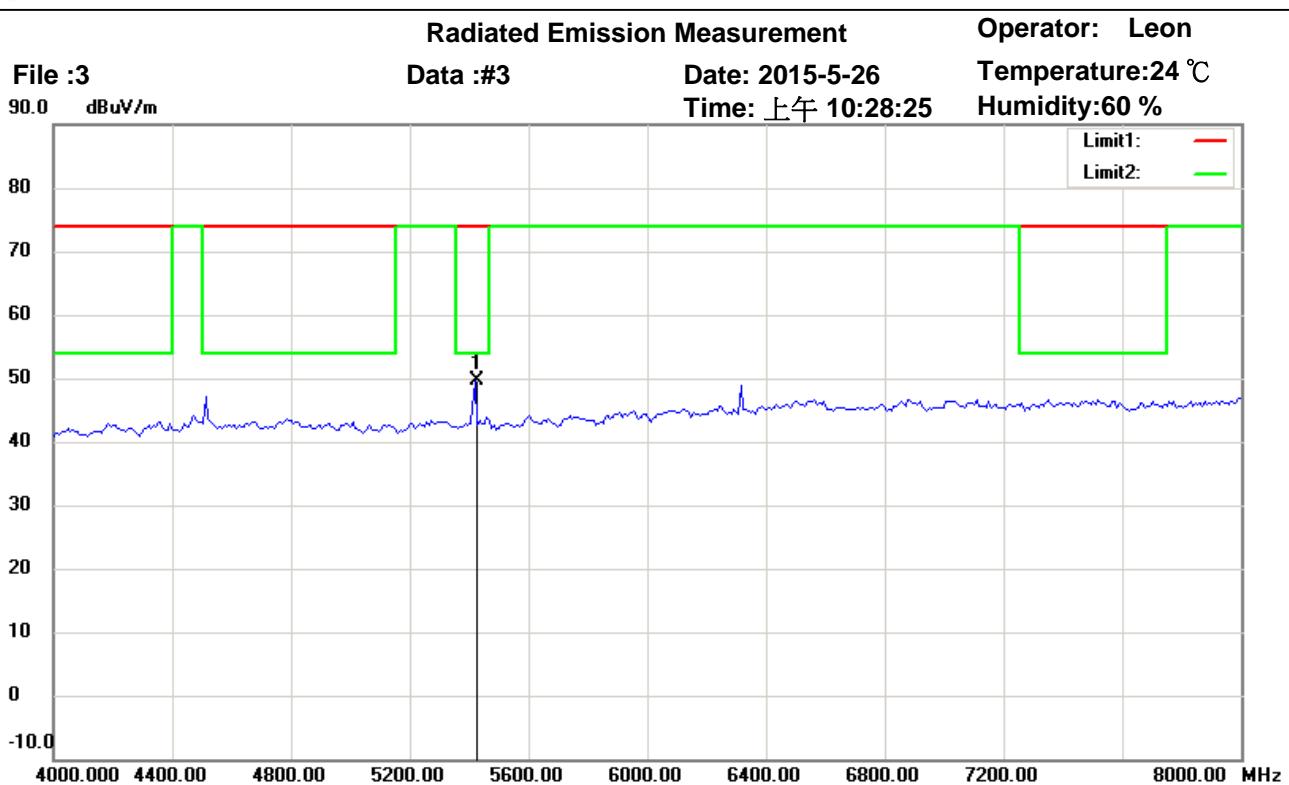
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2708.272	59.59	peak	-3.08	56.51	74.00	100	168	-17.49	
*	2708.272	56.08	AVG	-3.08	53.00	54.00	100	168	-1.00	
	3611.222	49.64	peak	-1.18	48.46	74.00	100	125	-25.54	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

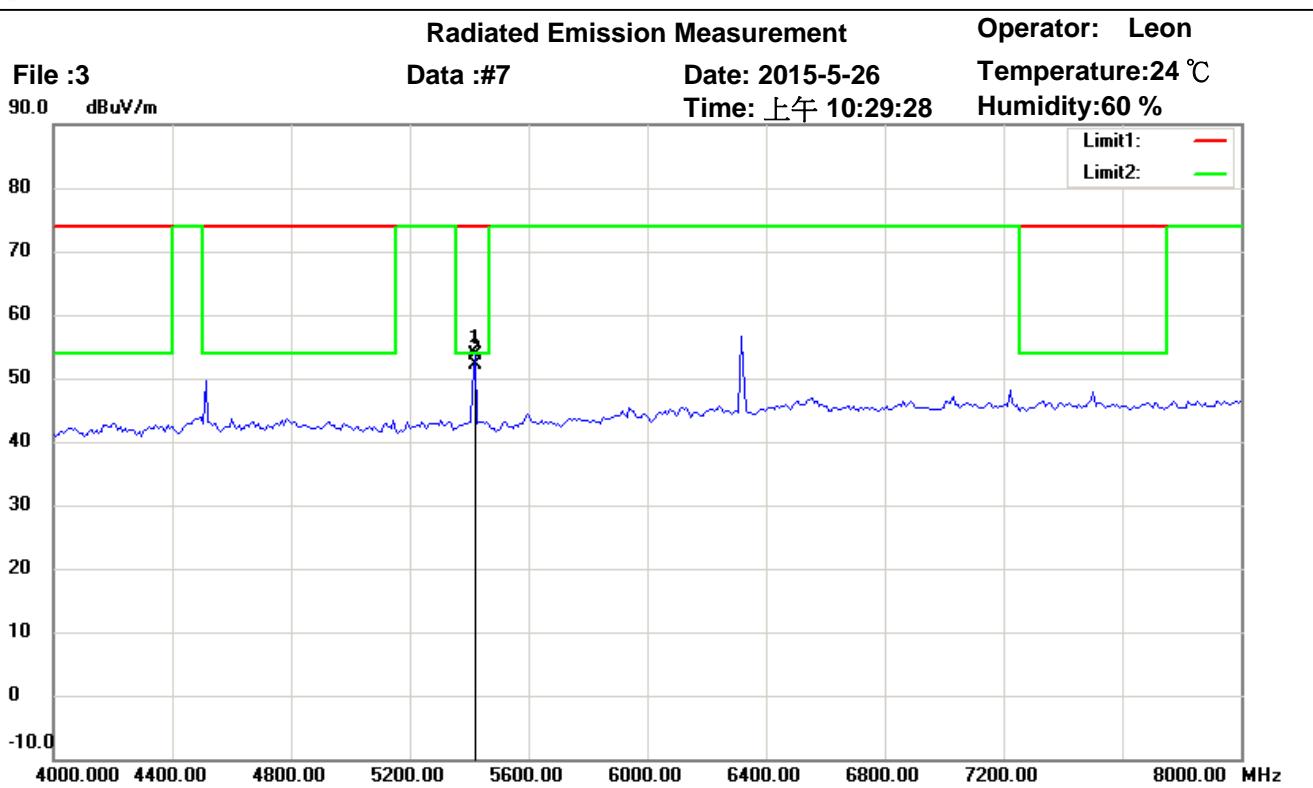
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	5418.838	47.40	peak	2.34	49.74	74.00	100	55	-24.26	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

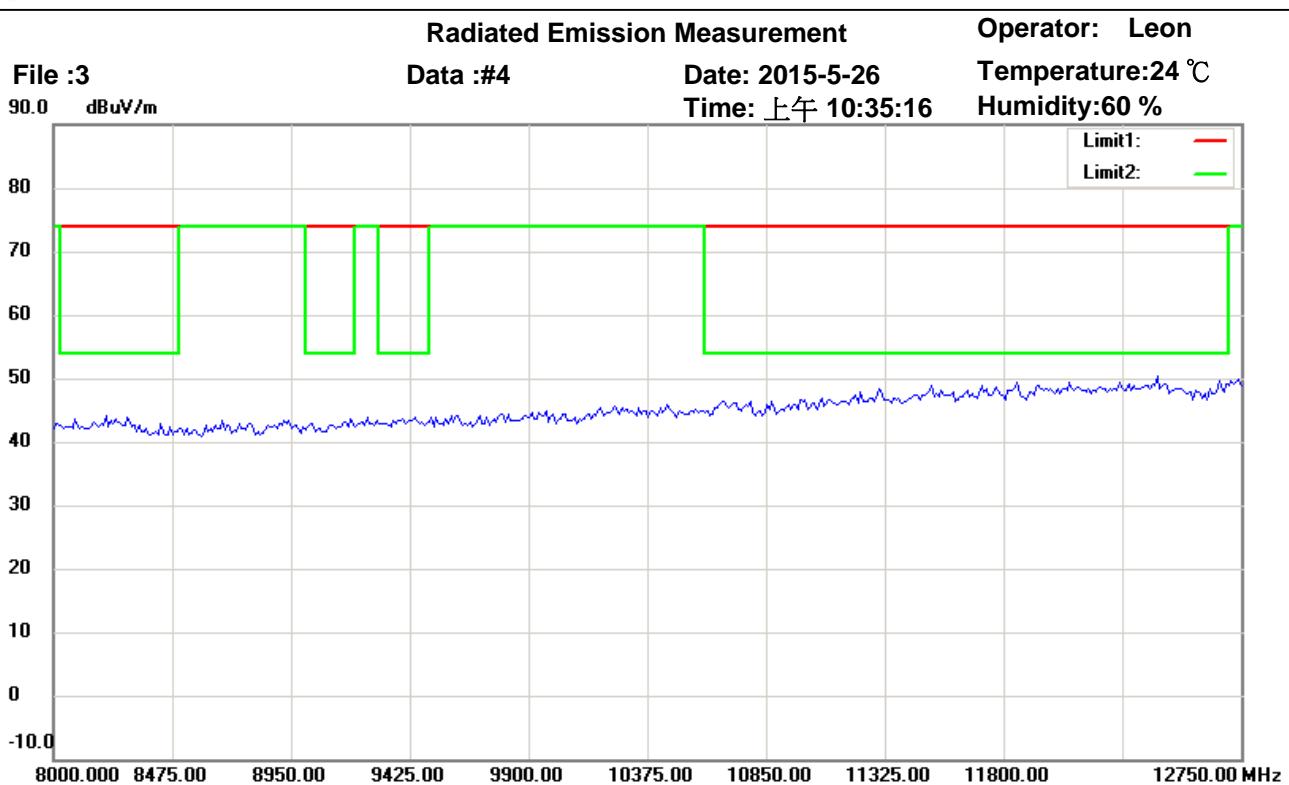
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	5416.652	51.26	peak	2.33	53.59	74.00	100	220	-20.41	
*	5416.652	49.85	AVG	2.33	52.18	54.00	100	220	-1.82	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

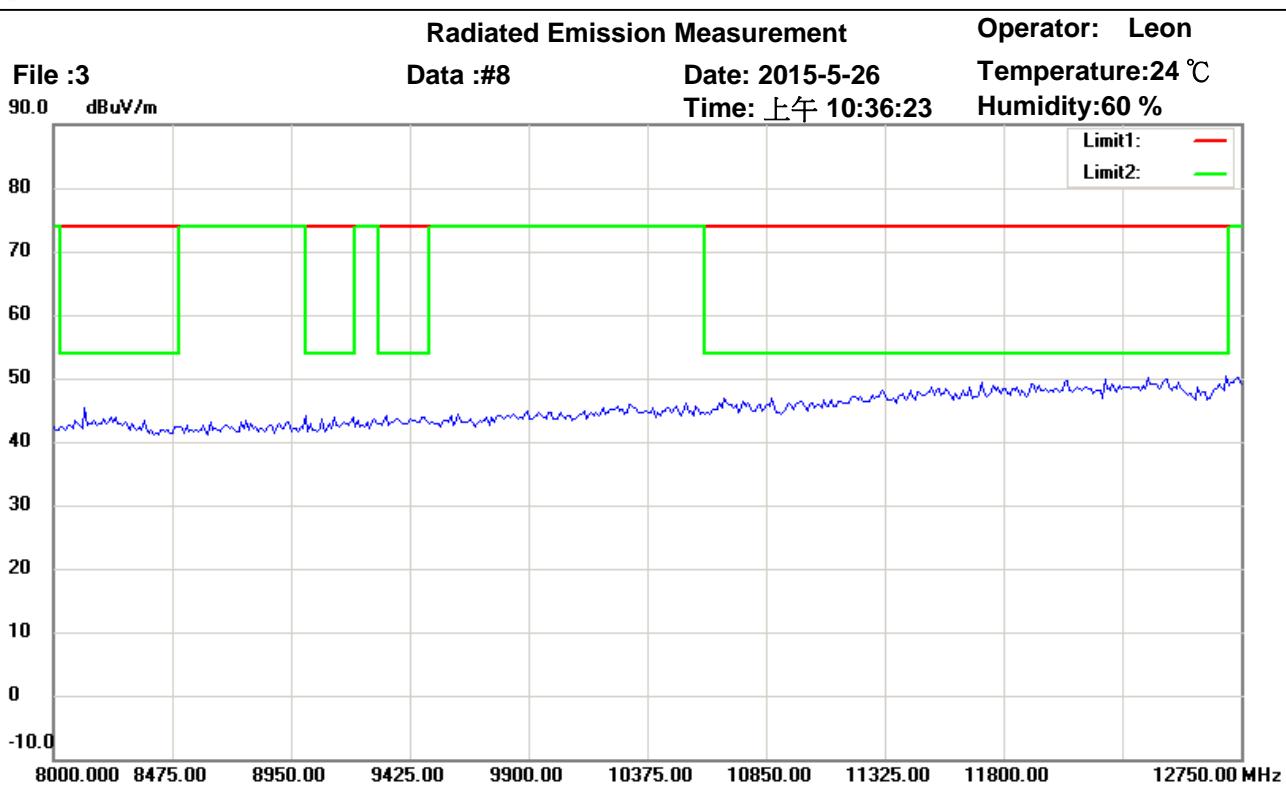
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

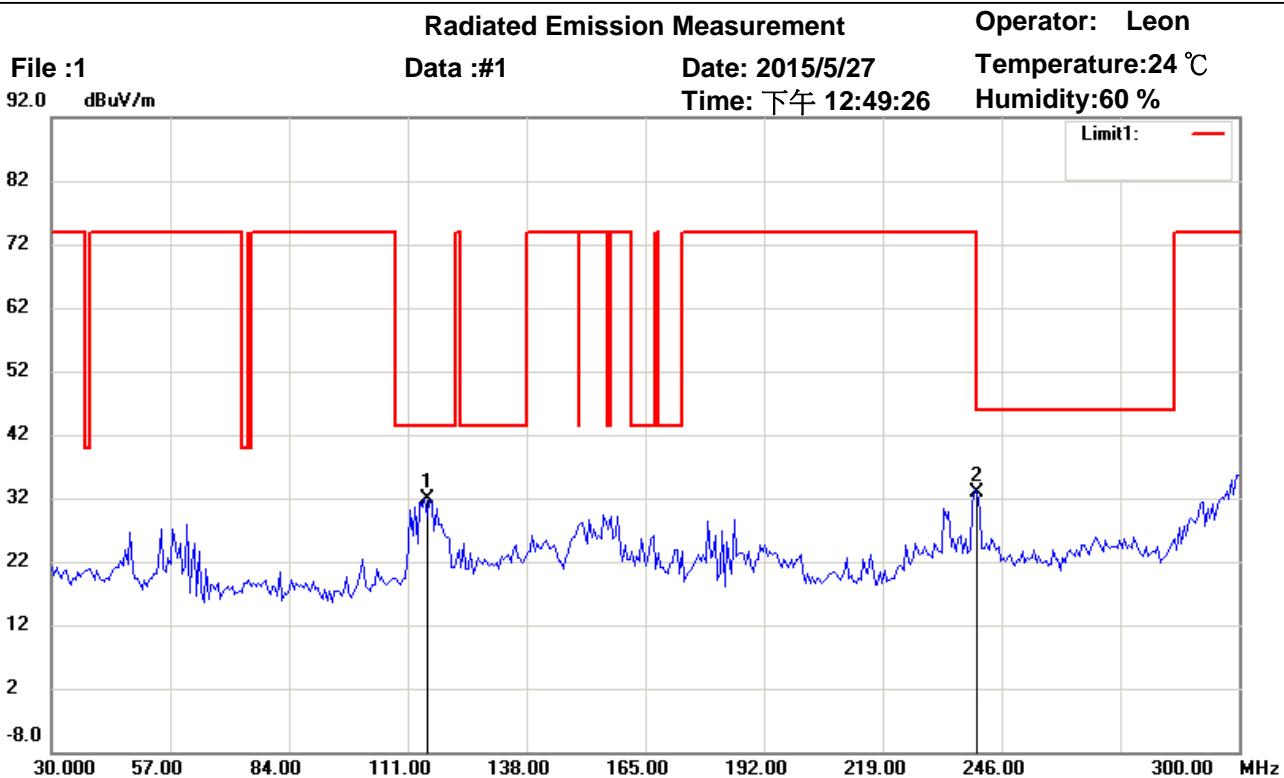
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

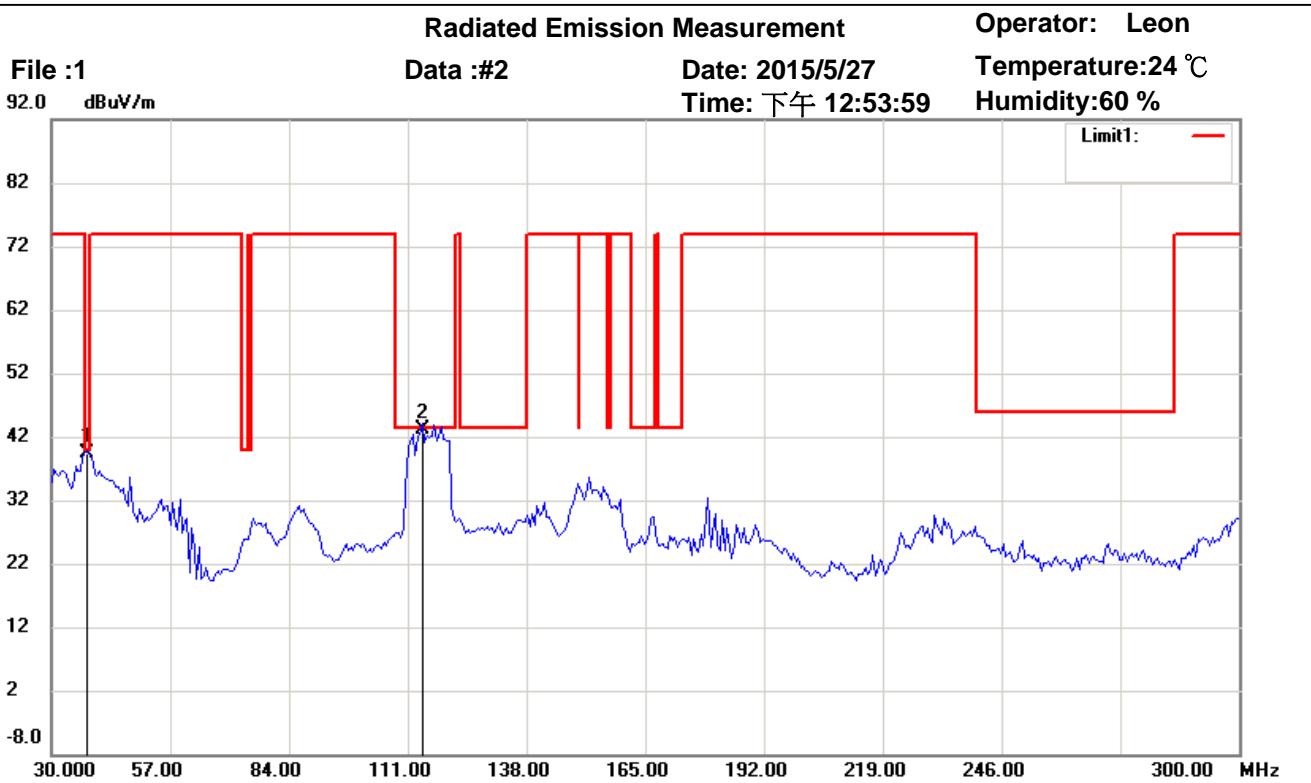
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	114.9500	18.24	peak	13.62	31.86	43.50	100	75	-11.64	
	240.4810	18.65	peak	14.21	32.86	46.00	100	120	-13.14	



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	38.1162	24.95	QP	14.37	39.32	40.00	100	55	-0.68	
*	114.4088	29.63	QP	13.58	43.21	43.50	100	35	-0.29	



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Tel:+886-2-6606-8877  
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File :2

92.0 dBuV/m

Radiated Emission Measurement

Data :#1

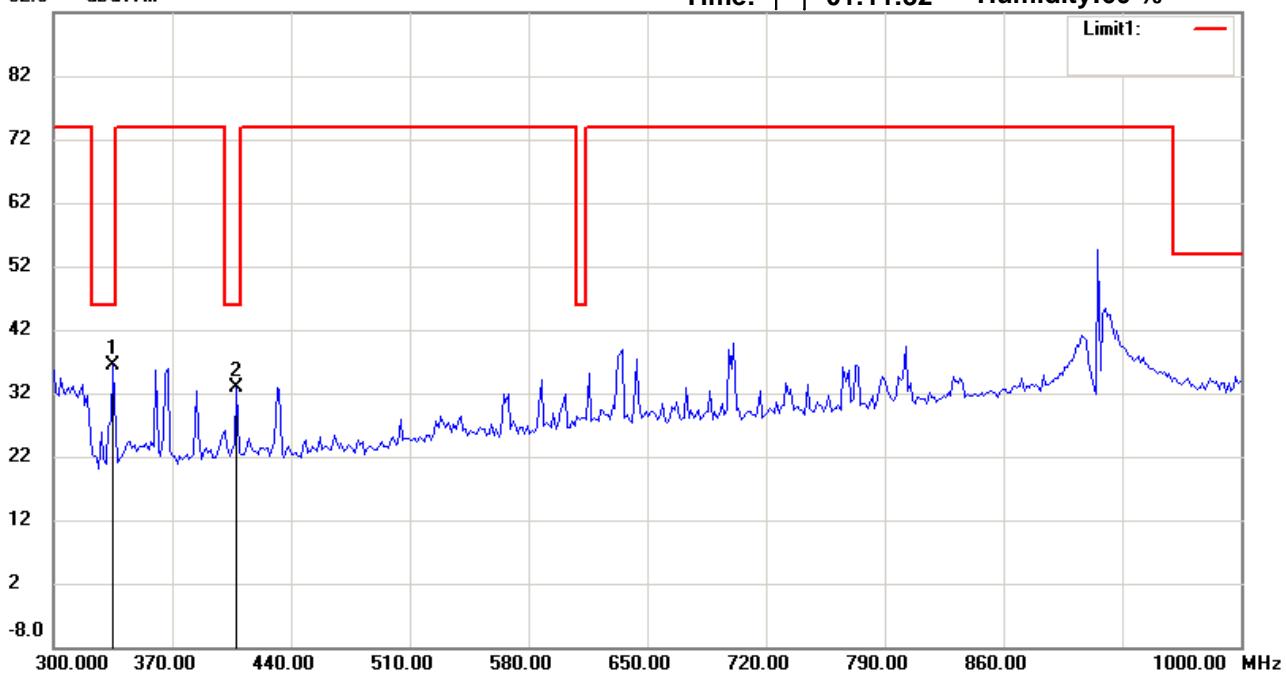
Date: 2015/5/27

Time: 下午 01:11:32

Operator: Leon

Temperature:24 °C

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

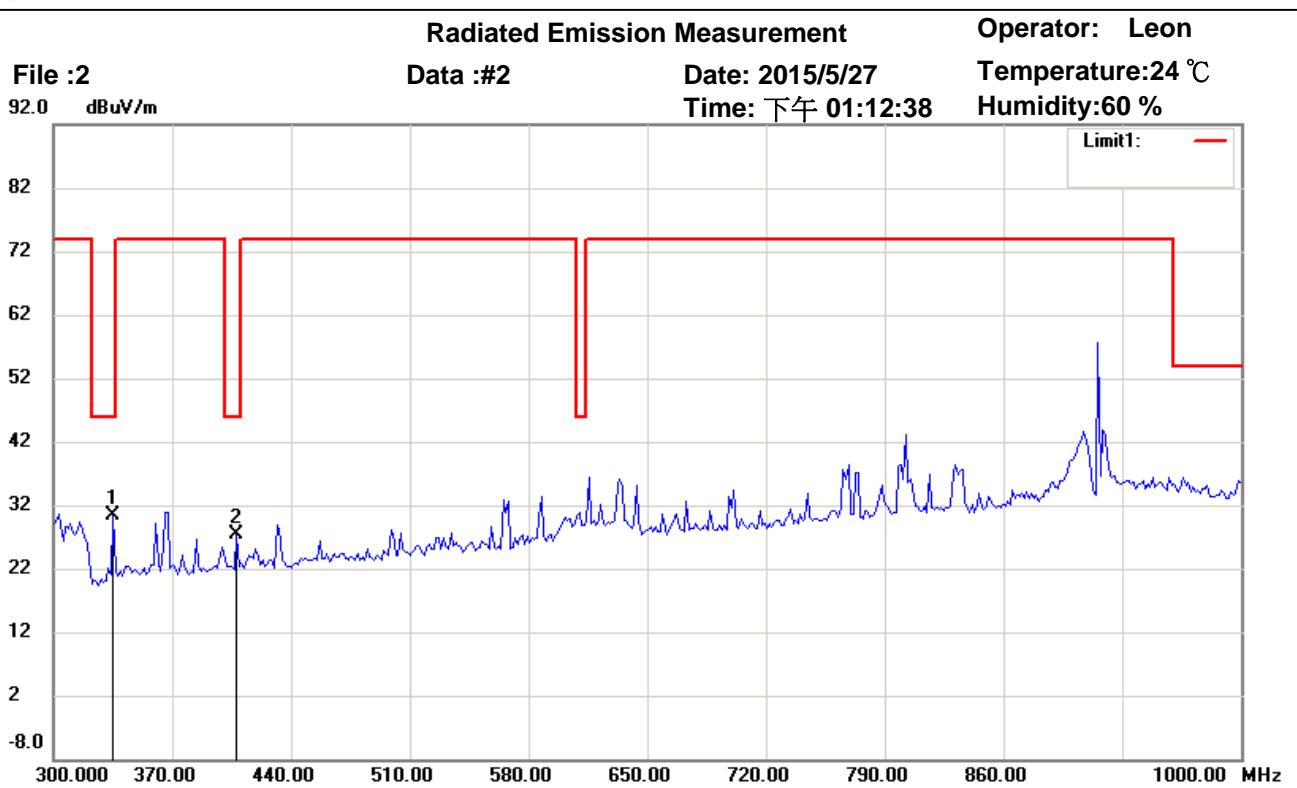
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	335.0701	19.42	peak	16.99	36.41	46.00	100	25	-9.59	
	408.0160	13.88	peak	19.00	32.88	46.00	100	80	-13.12	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

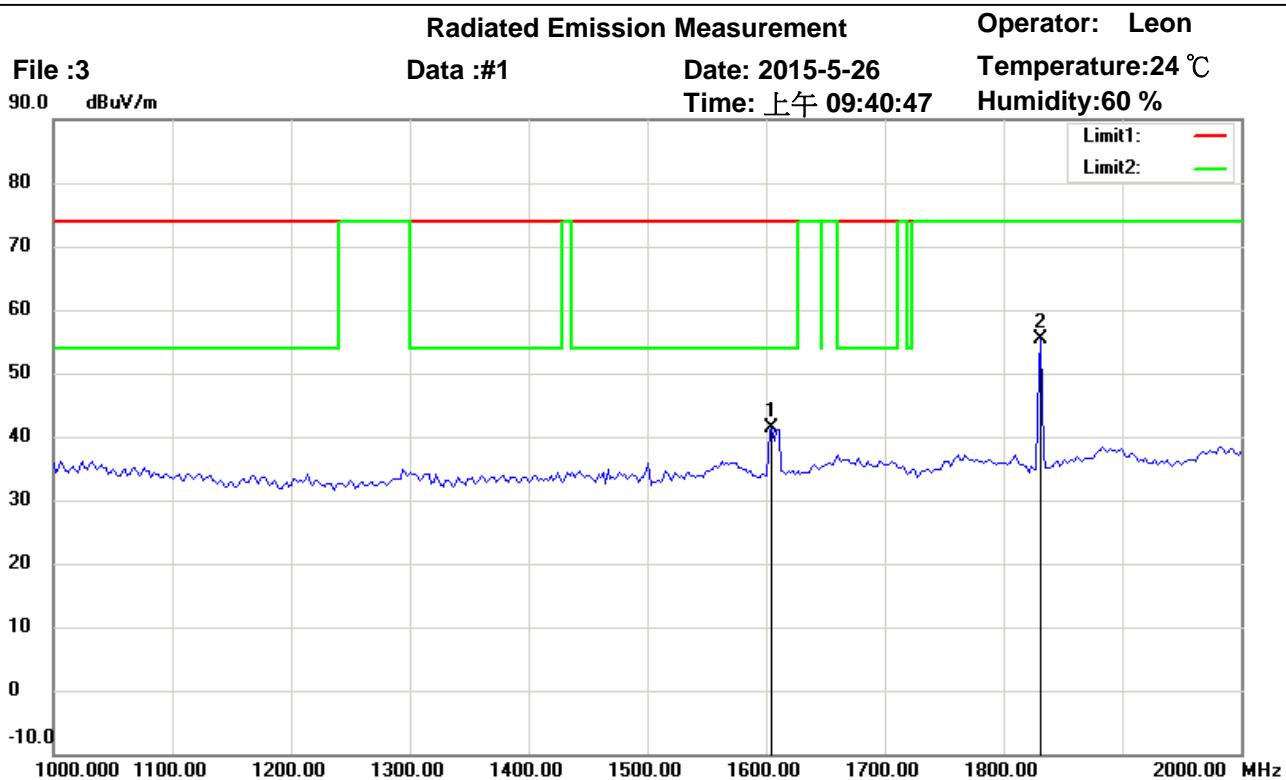
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	335.0701	13.35	peak	16.99	30.34	46.00	100	50	-15.66	
	408.0160	8.42	peak	19.00	27.42	46.00	100	75	-18.58	



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



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

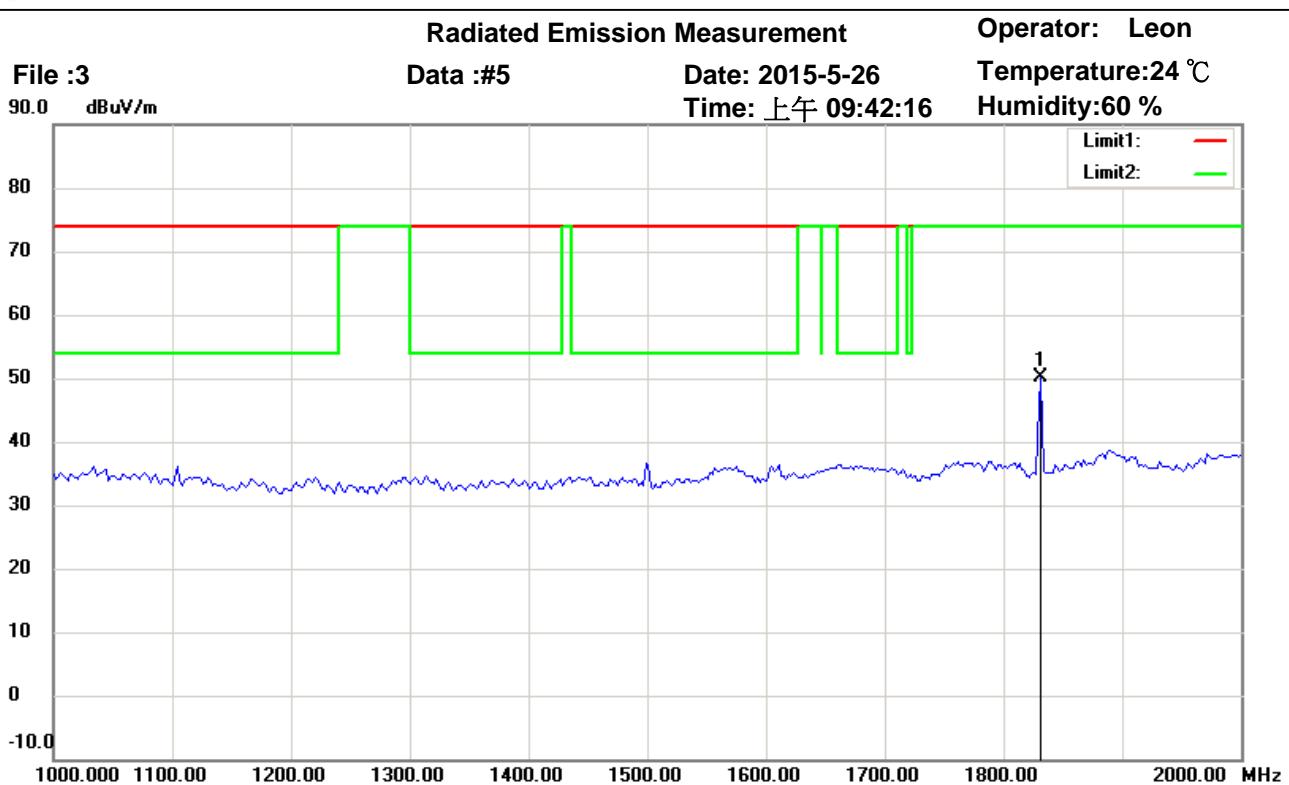
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1605.210	49.22	peak	-7.74	41.48	74.00	100	95	-32.52	
*	1831.663	62.27	peak	-6.86	55.41	74.00	100	160	-18.59	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

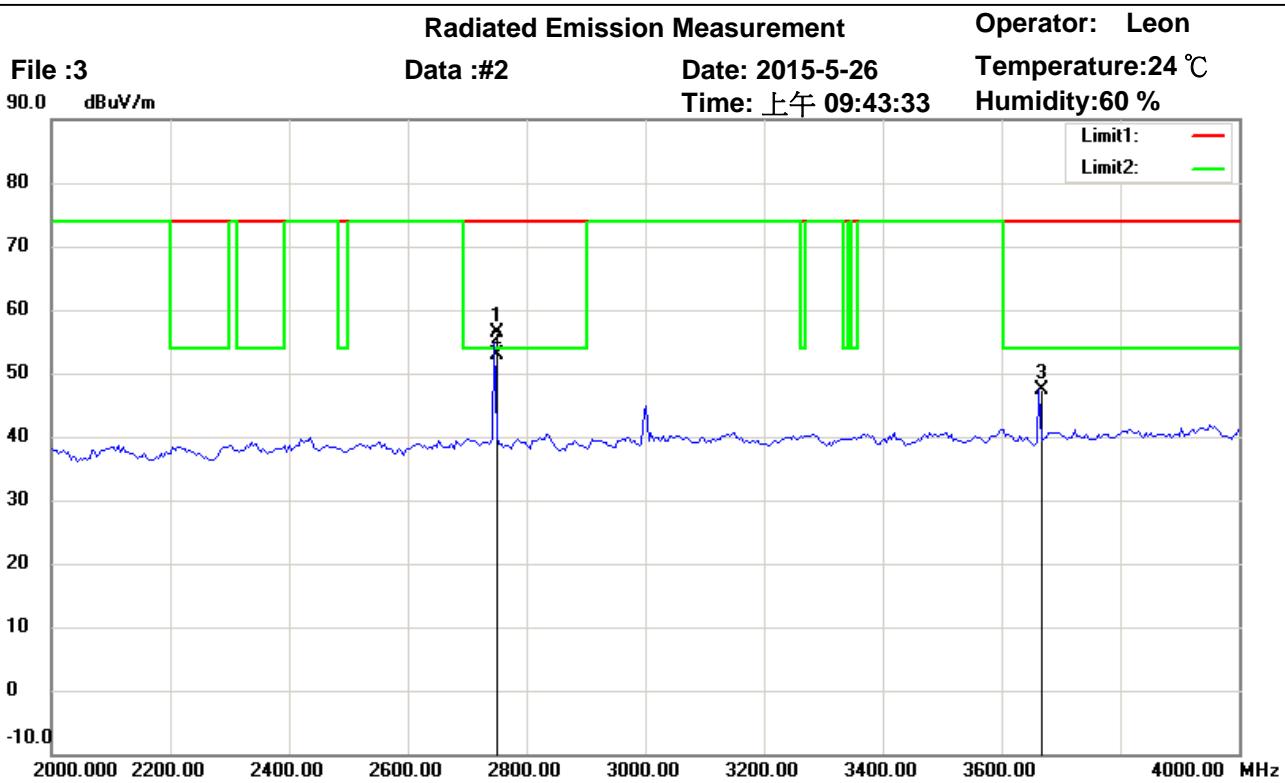
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1831.663	57.00	peak	-6.86	50.14	74.00	100	130	-23.86	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

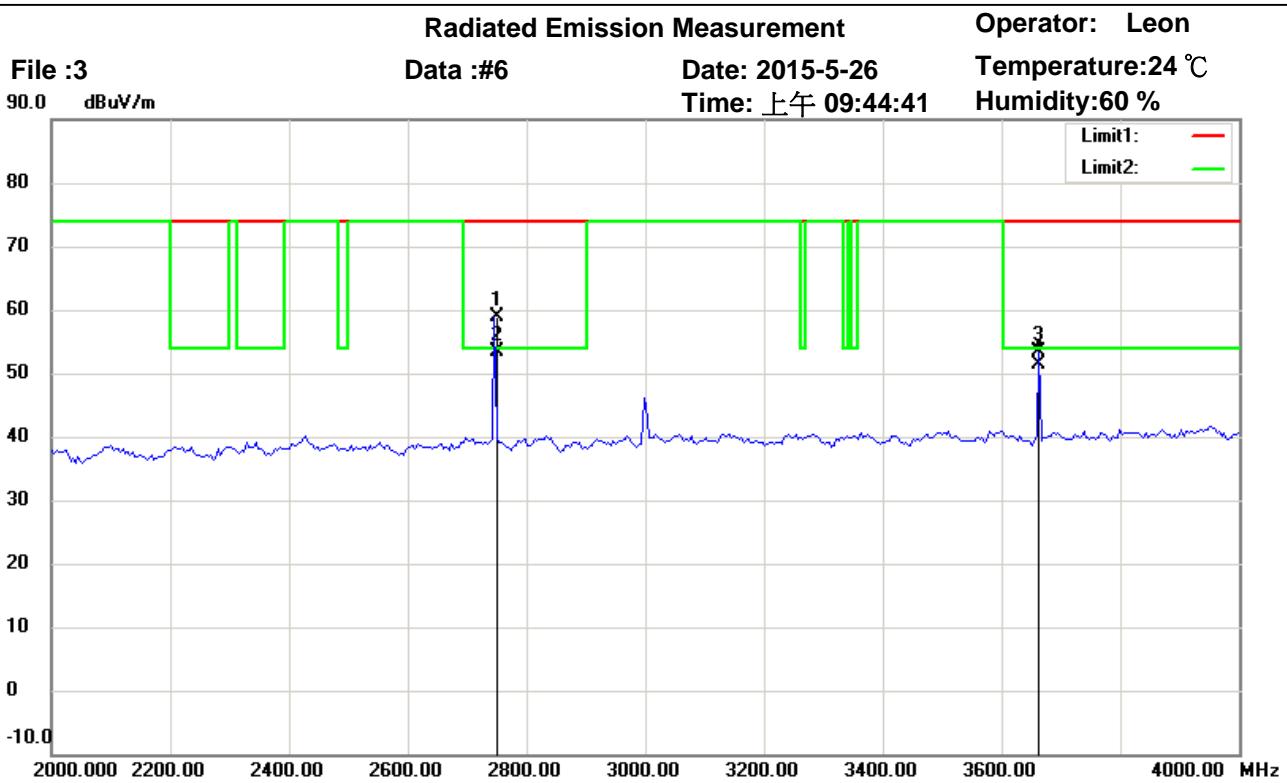
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2745.958	59.32	peak	-2.97	56.35	74.00	100	310	-17.65	
*	2745.958	55.82	AVG	-2.97	52.85	54.00	100	310	-1.15	
	3663.327	48.53	peak	-1.15	47.38	74.00	100	75	-26.62	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: Vertical

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

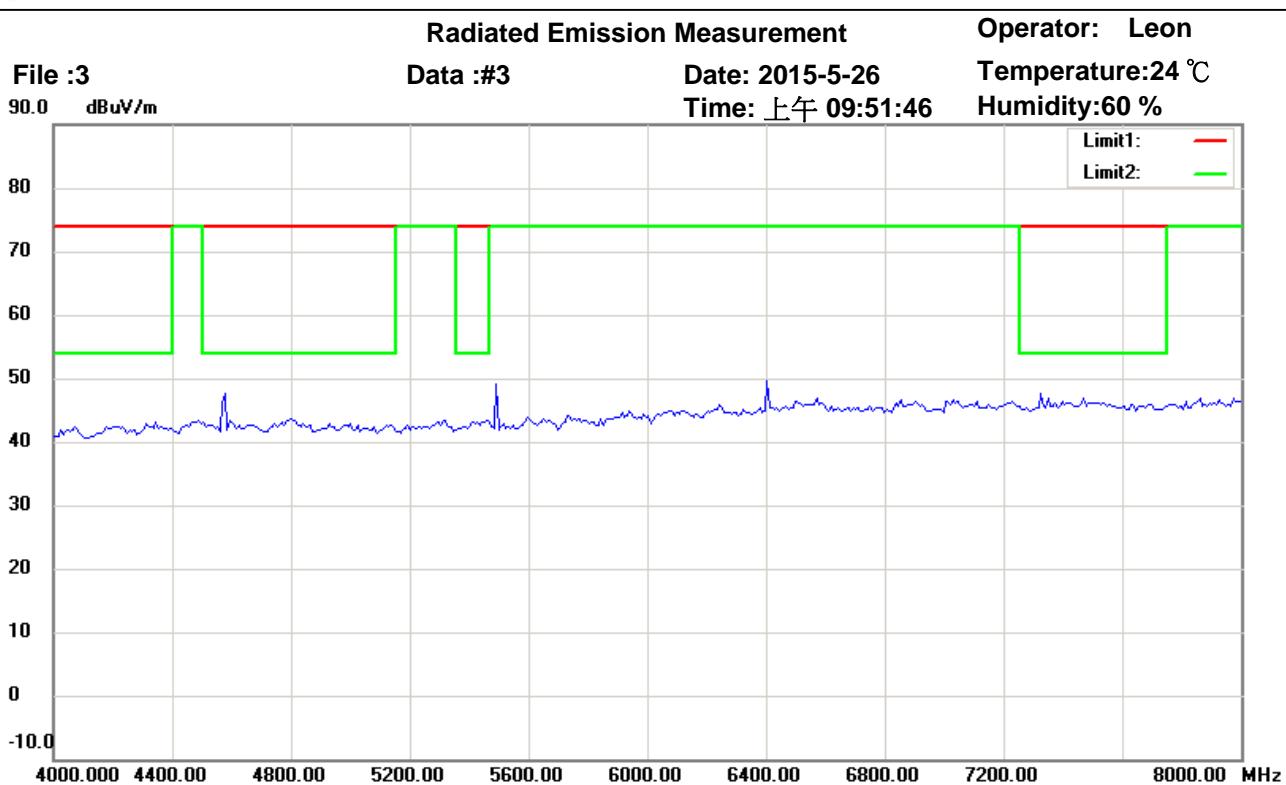
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2745.881	61.91	peak	-2.97	58.94	74.00	100	178	-15.06	
*	2745.881	56.43	AVG	-2.97	53.46	54.00	100	178	-0.54	
	3661.089	54.45	peak	-1.16	53.29	74.00	100	160	-20.71	
	3661.089	52.64	AVG	-1.16	51.48	54.00	100	160	-2.52	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

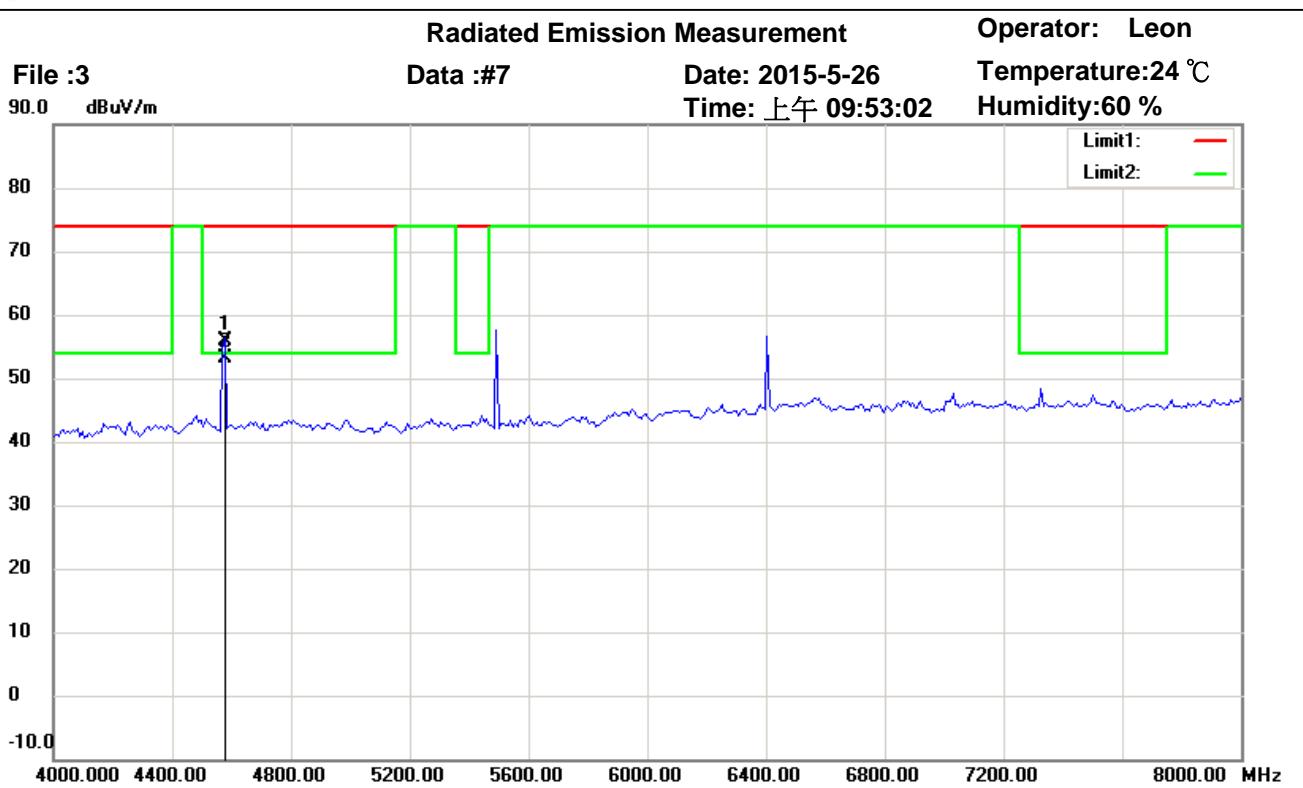
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
Fax:+886-2-6606-8875



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

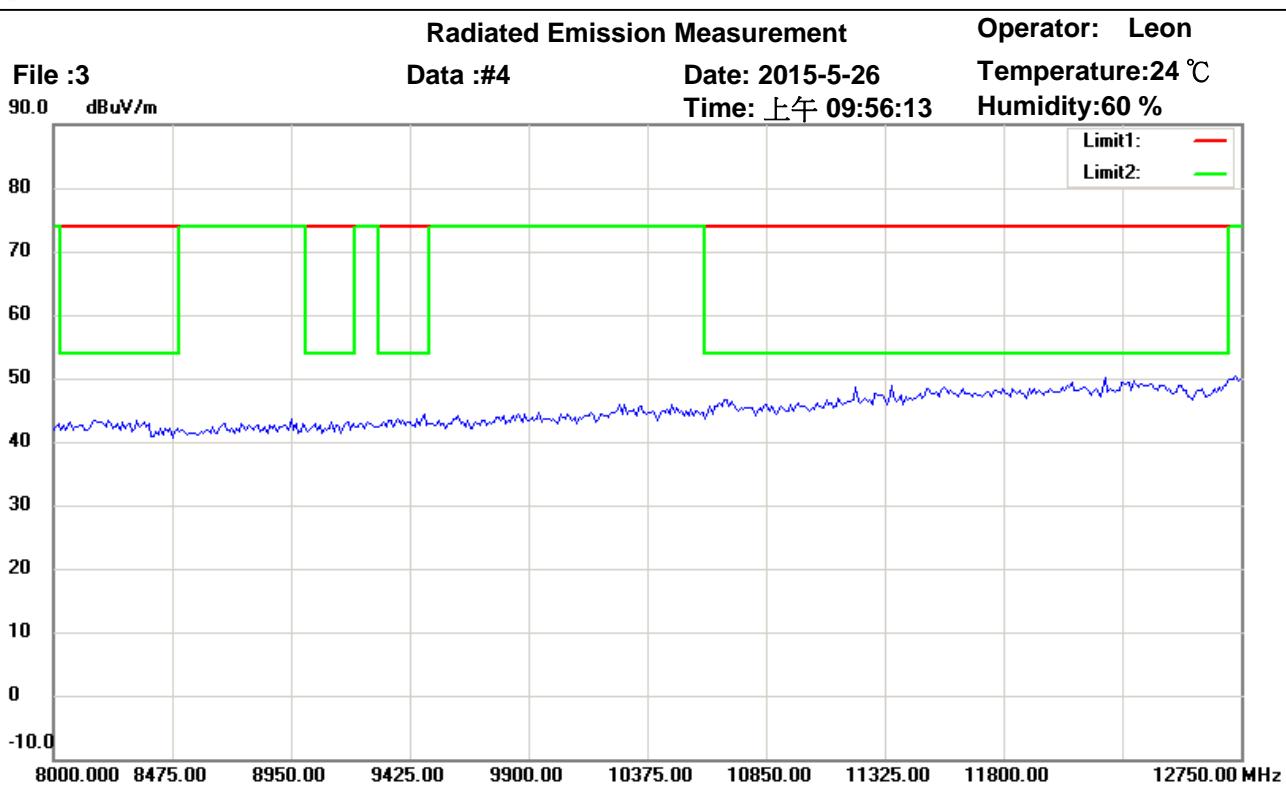
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4576.394	55.11	peak	0.82	55.93	74.00	100	178	-18.07	
*	4576.394	52.43	AVG	0.82	53.25	54.00	100	178	-0.75	



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



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

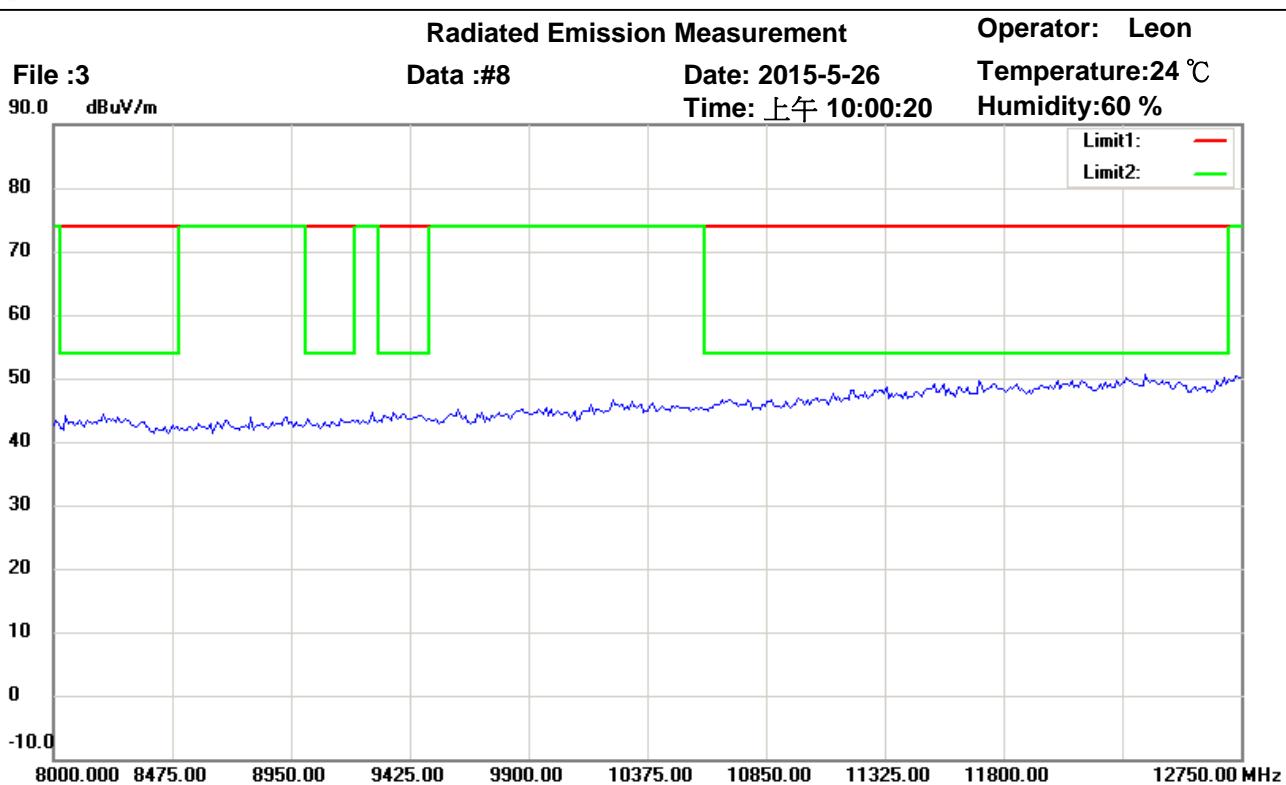
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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Tel:+886-2-6606-8877  
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

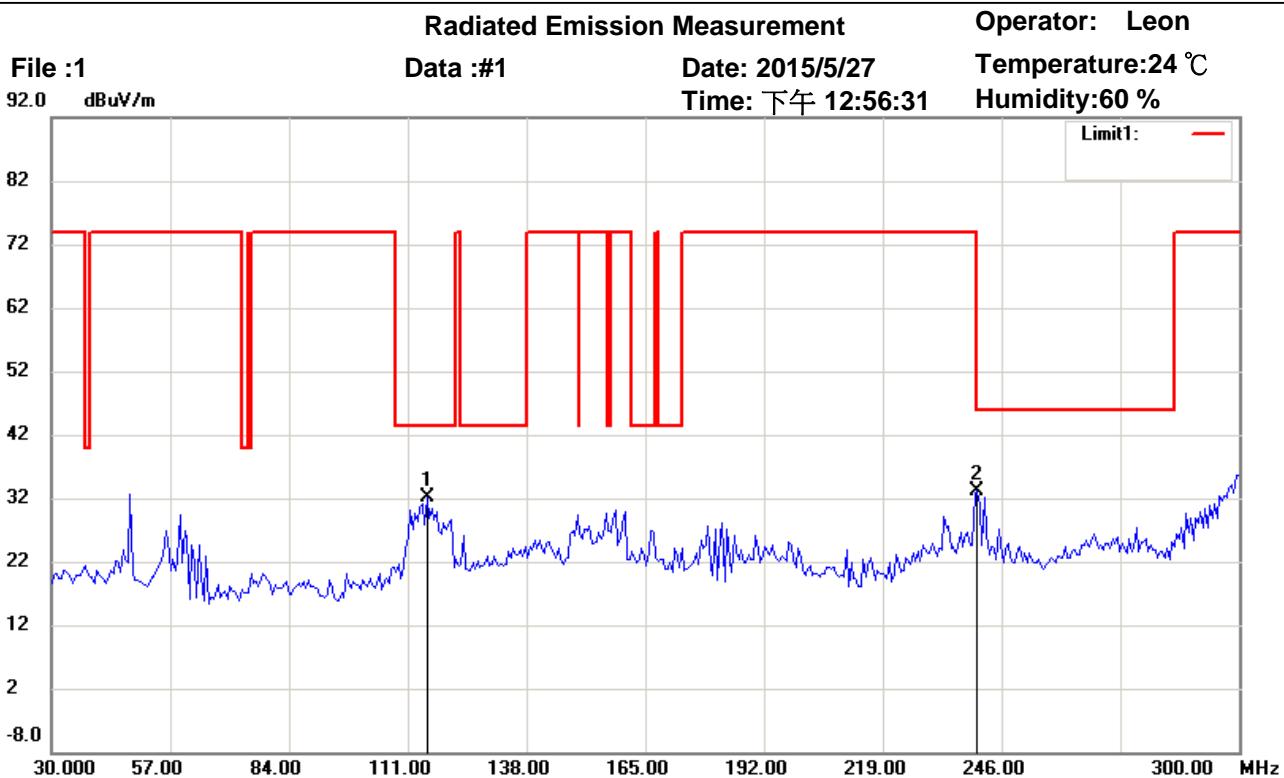
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

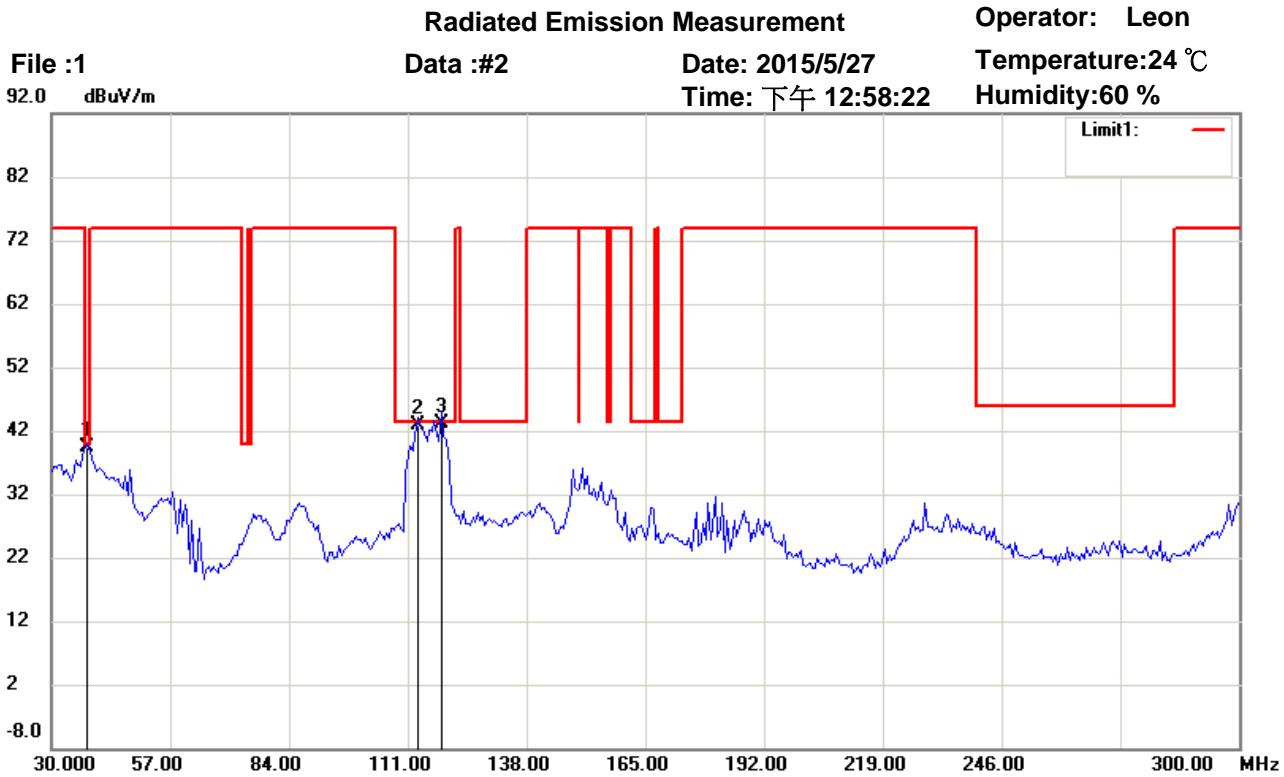
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	115.4910	18.54	peak	13.66	32.20	43.50	100	75	-11.30	
	240.4810	18.92	peak	14.21	33.13	46.00	100	60	-12.87	



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Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	38.1162	25.10	QP	14.37	39.47	40.00	100	10	-0.53	
	113.3267	29.42	QP	13.50	42.92	43.50	100	95	-0.58	
*	118.7375	29.31	QP	13.89	43.20	43.50	100	35	-0.30	

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



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File :2

92.0 dBuV/m

Radiated Emission Measurement

Data :#1

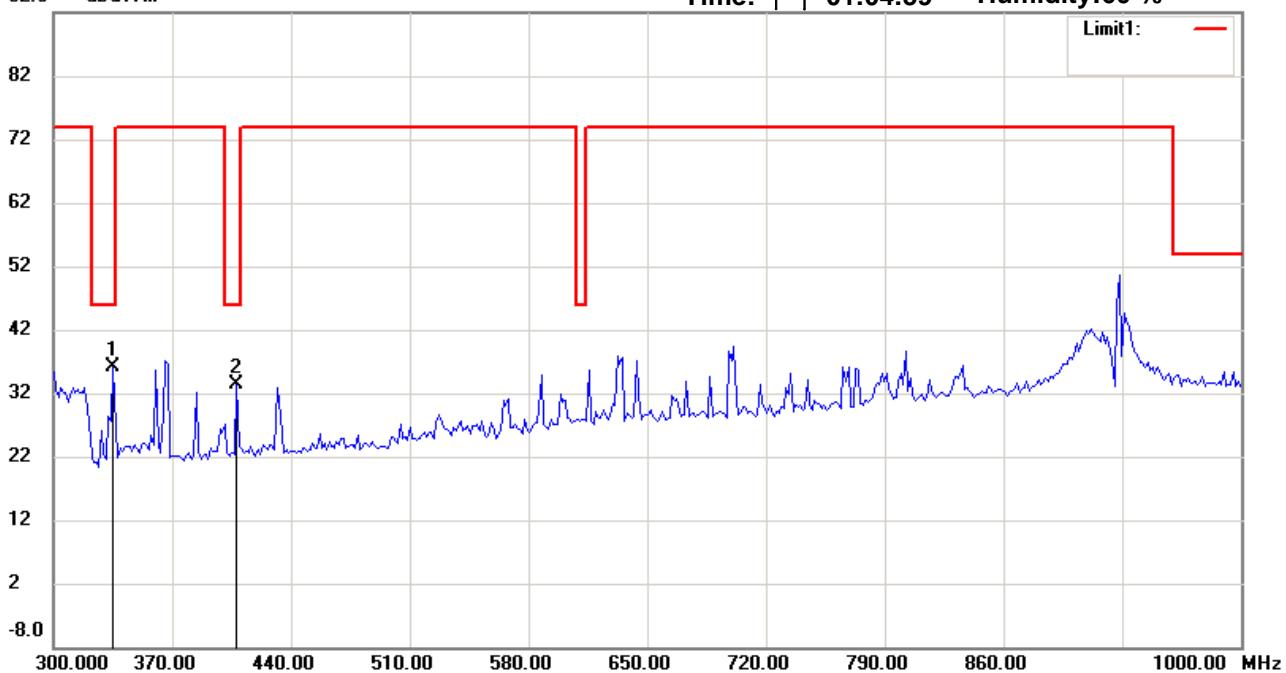
Date: 2015/5/27

Time: 下午 01:04:59

Operator: Leon

Temperature:24 °C

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

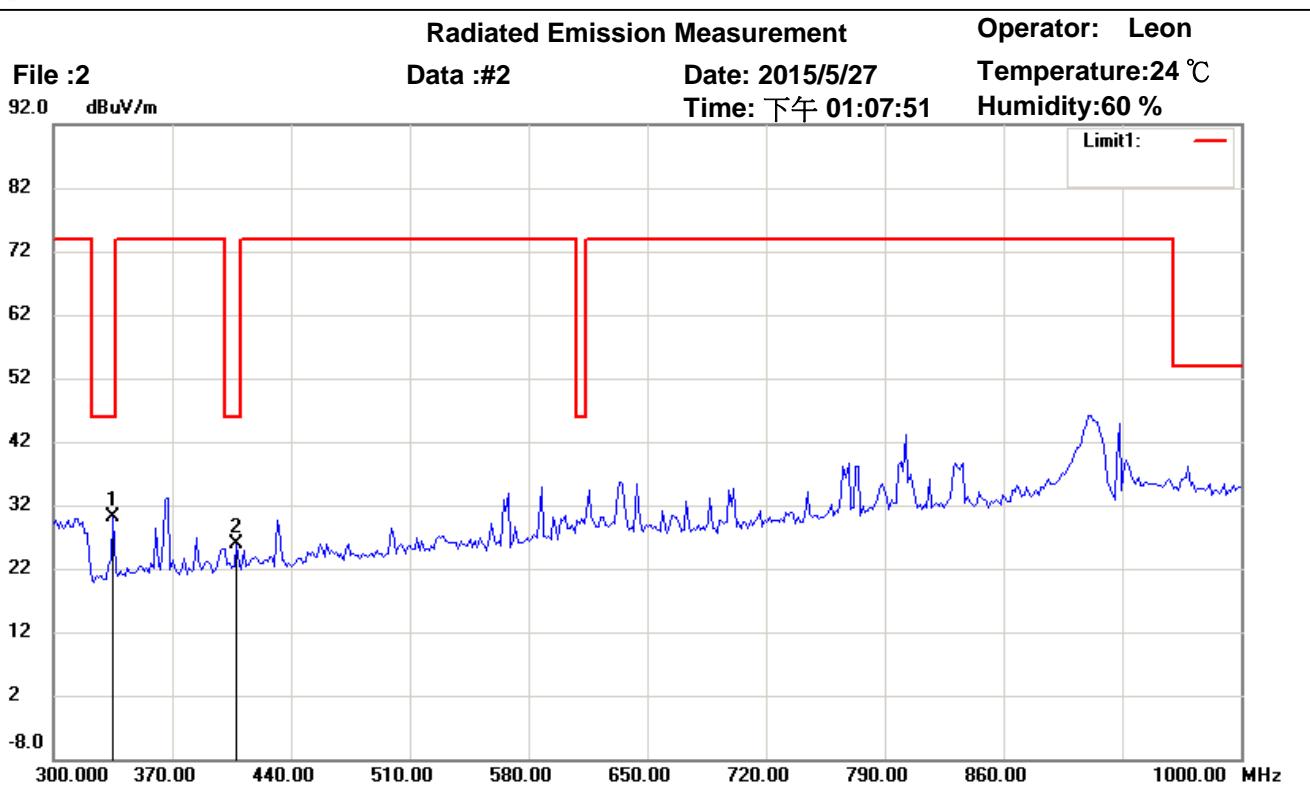
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	335.0701	19.13	peak	16.99	36.12	46.00	100	155	-9.88	
	408.0160	14.30	peak	19.00	33.30	46.00	100	90	-12.70	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

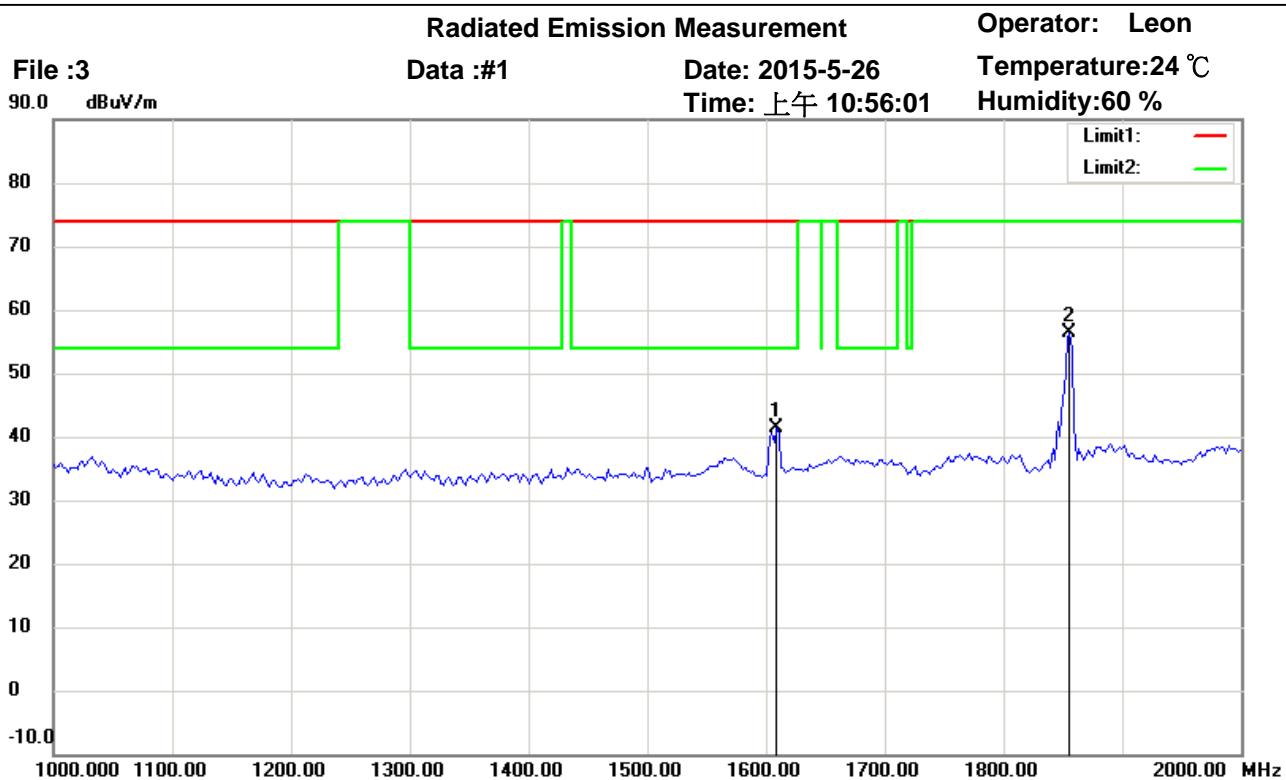
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	335.0701	13.06	peak	16.99	30.05	46.00	100	175	-15.95	
	408.0160	6.87	peak	19.00	25.87	46.00	100	135	-20.13	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

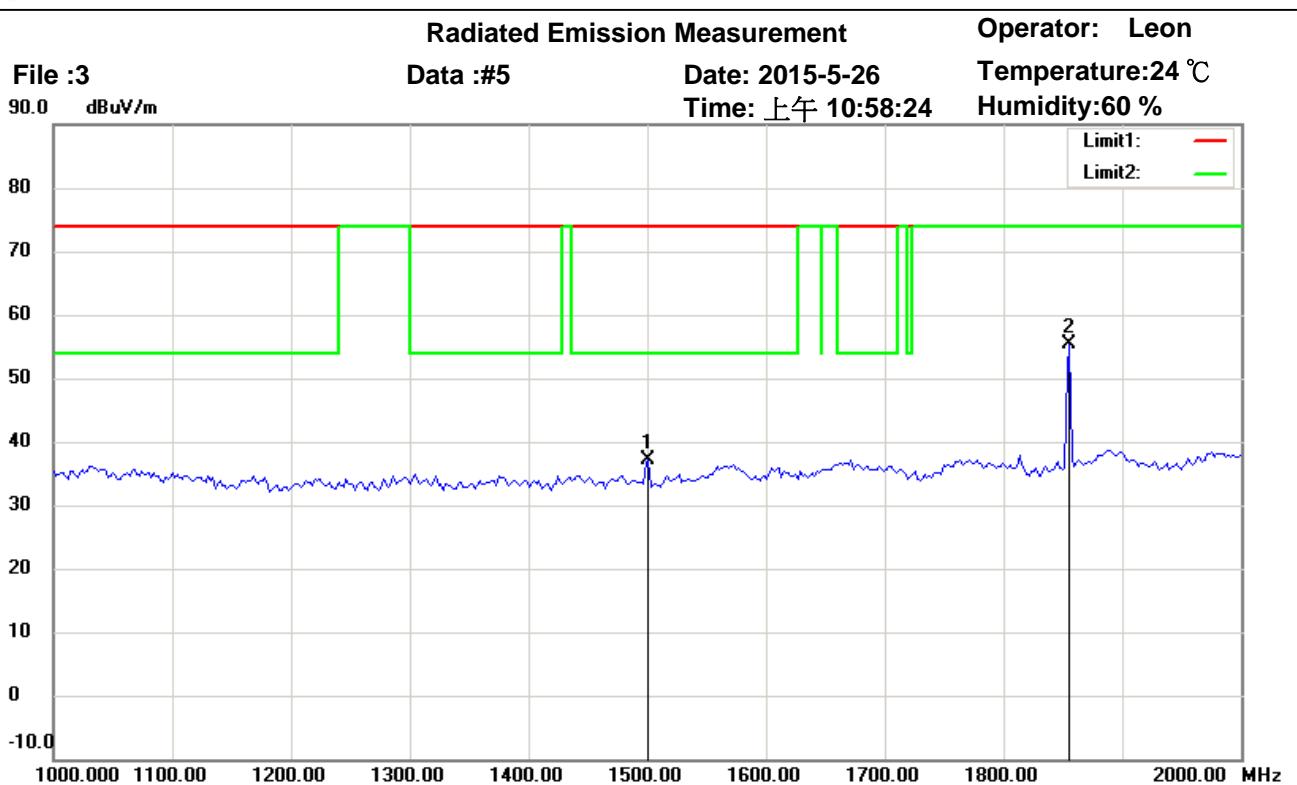
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1609.218	48.98	peak	-7.72	41.26	74.00	100	155	-32.74	
*	1855.711	62.98	peak	-6.56	56.42	74.00	100	90	-17.58	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

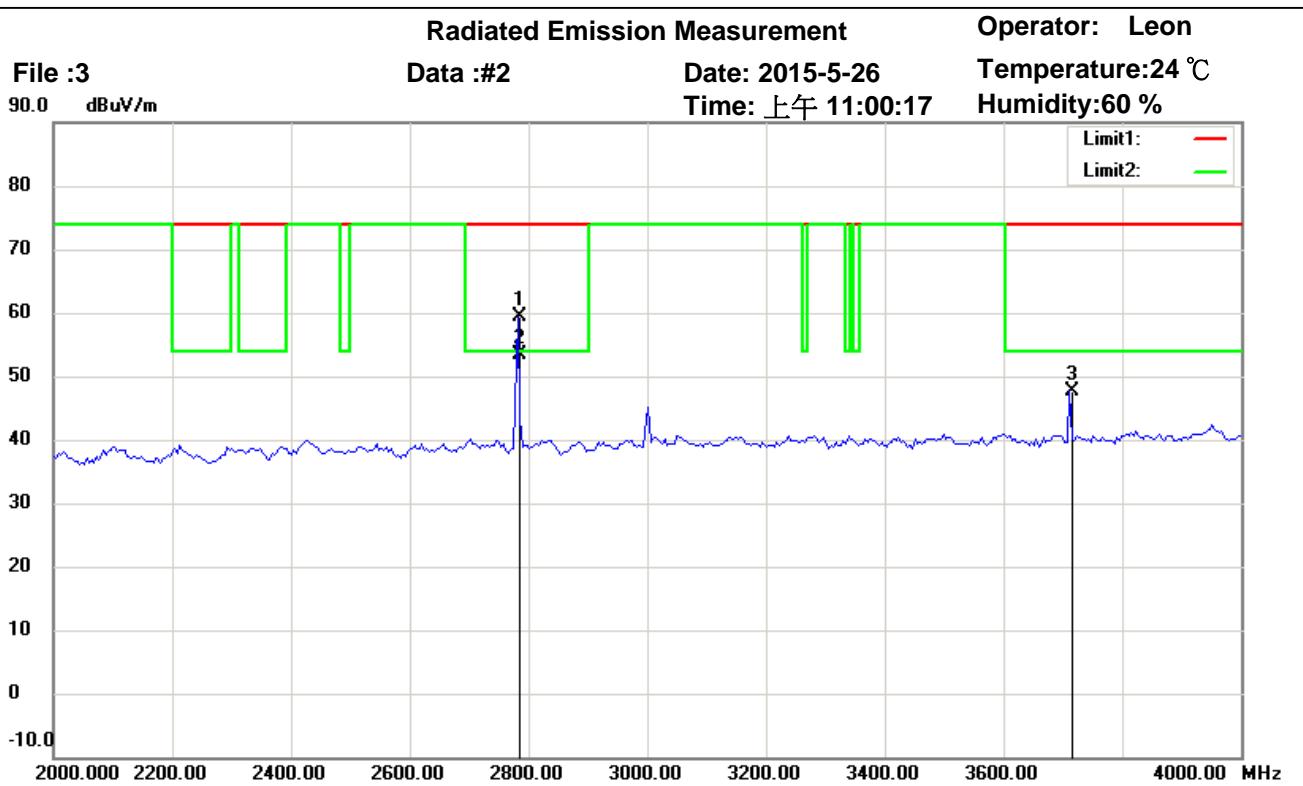
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1501.002	45.94	peak	-8.92	37.02	74.00	100	145	-36.98	
*	1855.711	61.96	peak	-6.56	55.40	74.00	100	110	-18.60	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

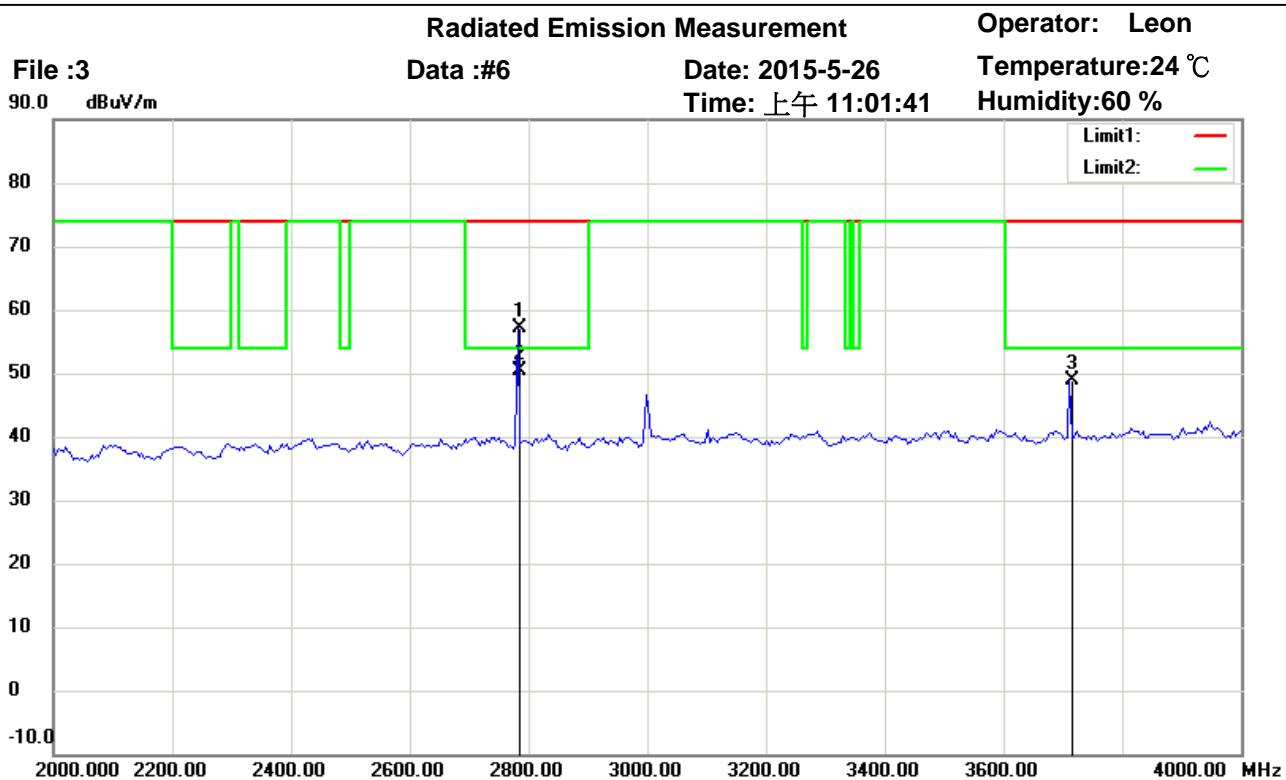
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2781.848	62.14	peak	-2.86	59.28	74.00	100	322	-14.72	
*	2781.848	56.31	AVG	-2.86	53.45	54.00	100	322	-0.55	
	3711.423	48.86	peak	-1.13	47.73	74.00	100	90	-26.27	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

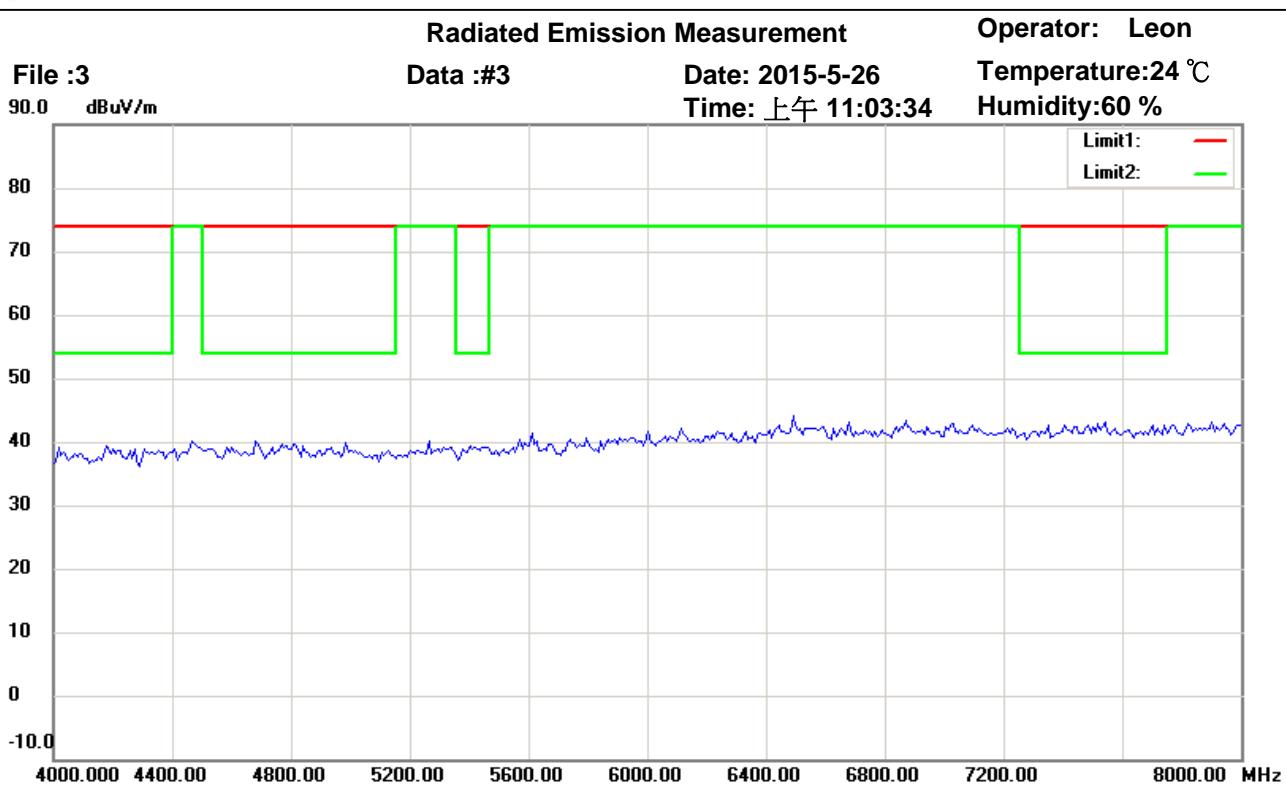
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2781.805	60.01	peak	-2.86	57.15	74.00	100	315	-16.85	
*	2781.805	53.18	AVG	-2.86	50.32	54.00	100	315	-3.68	
	3711.423	50.03	peak	-1.13	48.90	74.00	100	175	-25.10	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

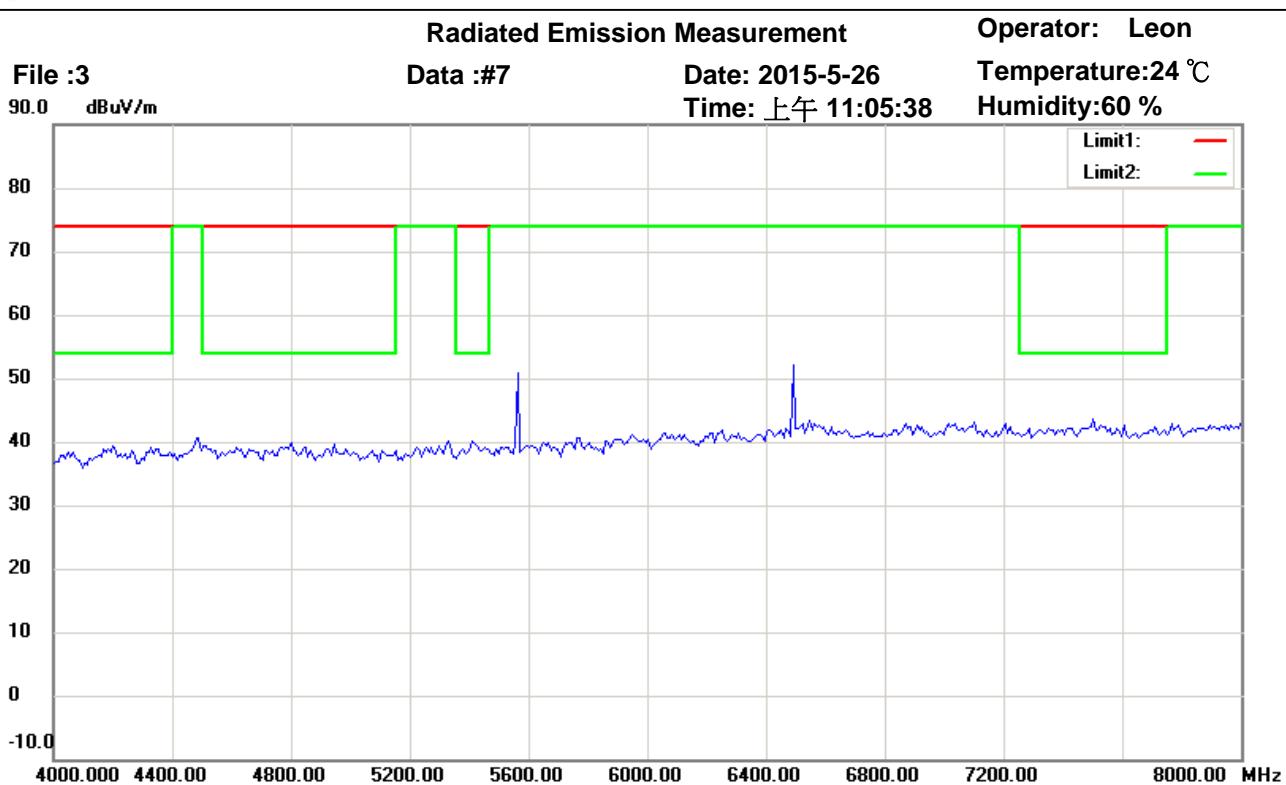
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

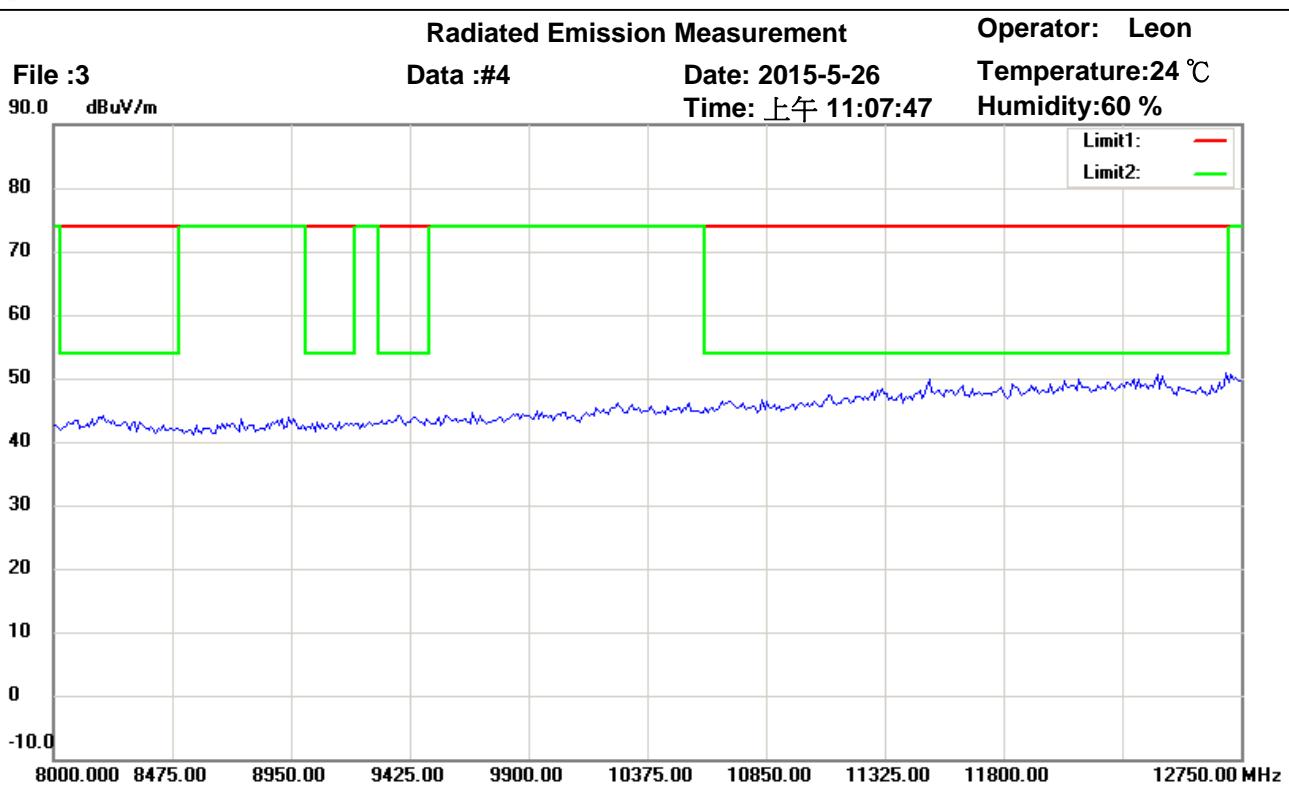
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

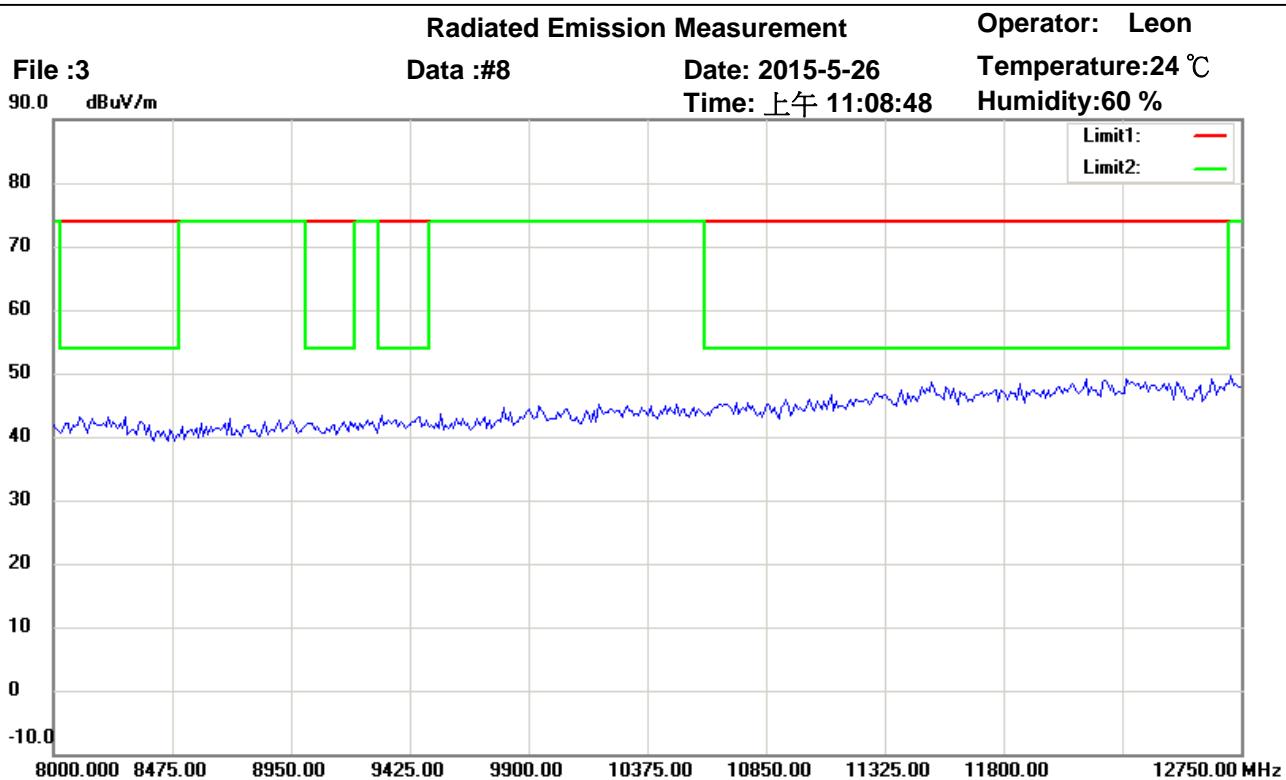
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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# Worldwide Testing Services(Taiwan) Co., Ltd.

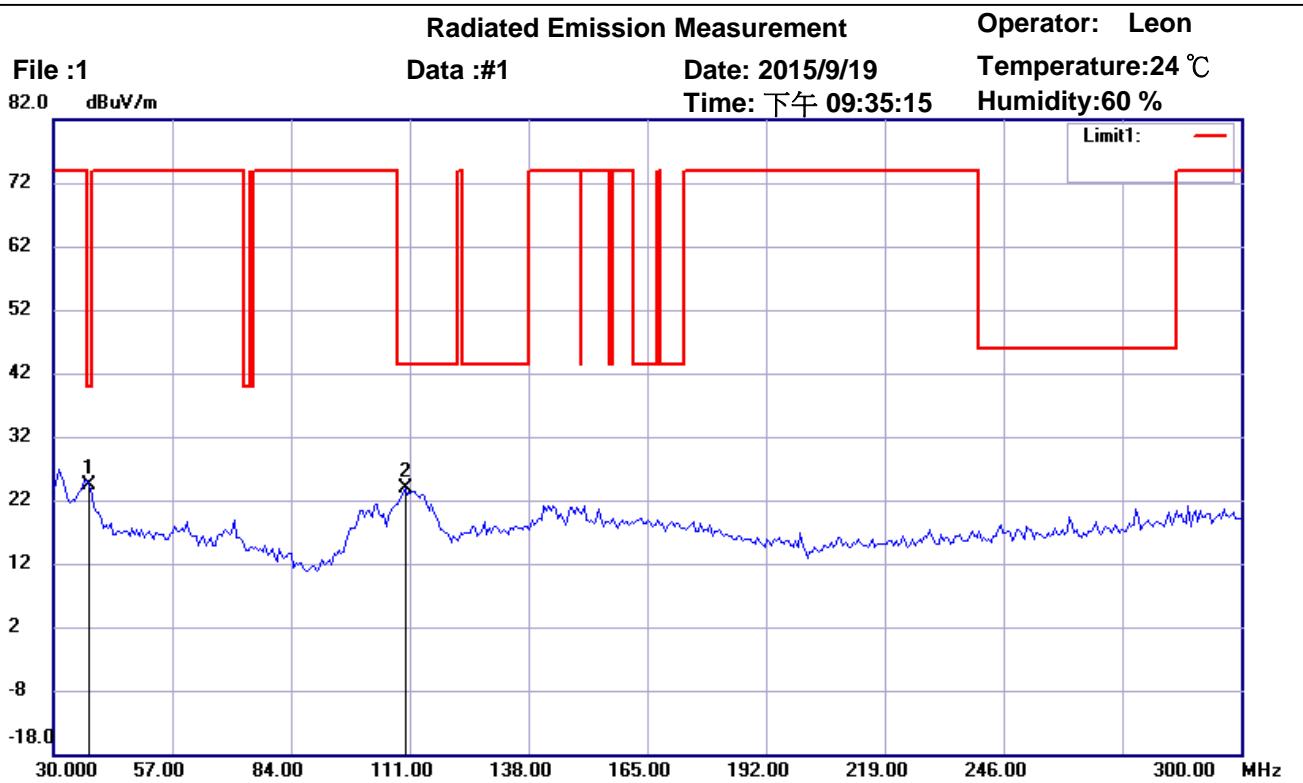
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

TX\_Antenna model: EBD-101



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

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

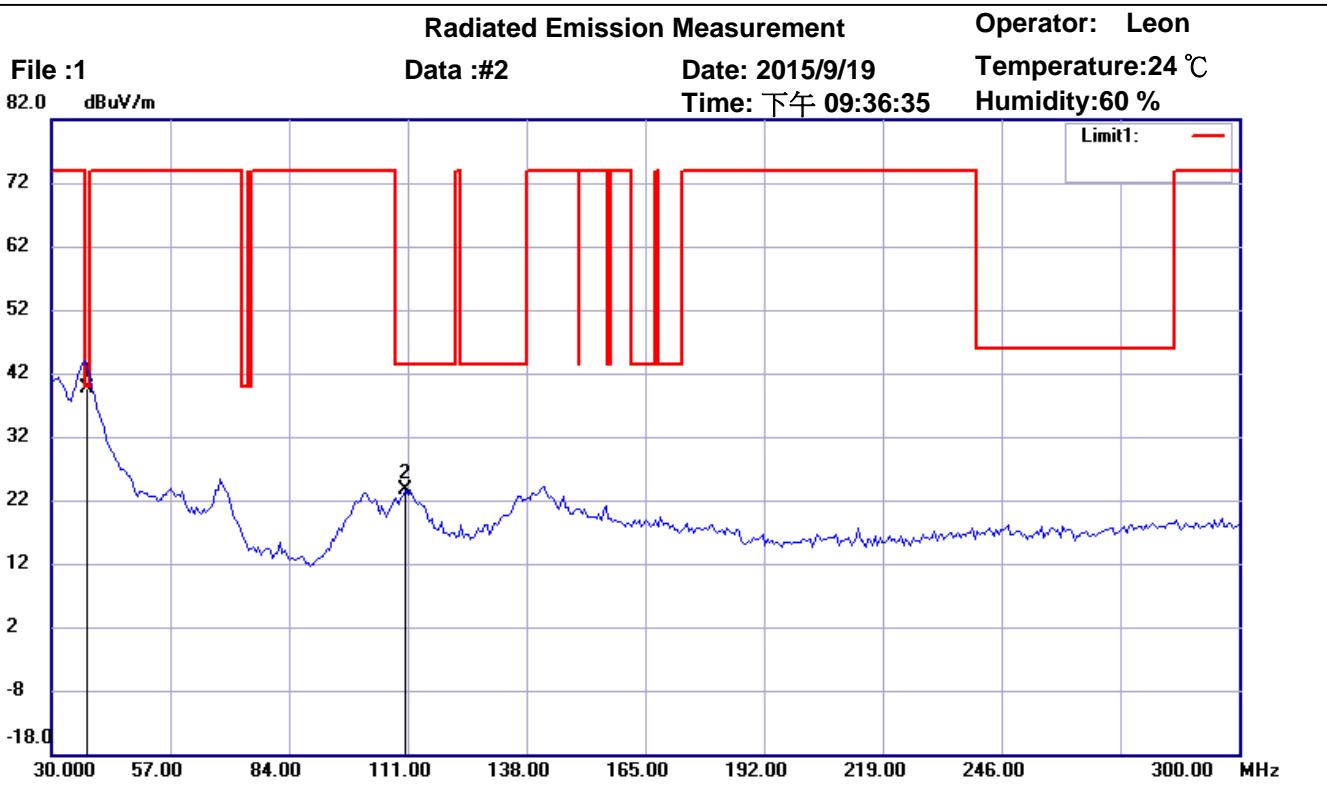
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	38.1162	10.03	peak	14.37	24.40	40.00	100	15	-15.60	
	110.0802	10.49	peak	13.27	23.76	43.50	100	60	-19.74	



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

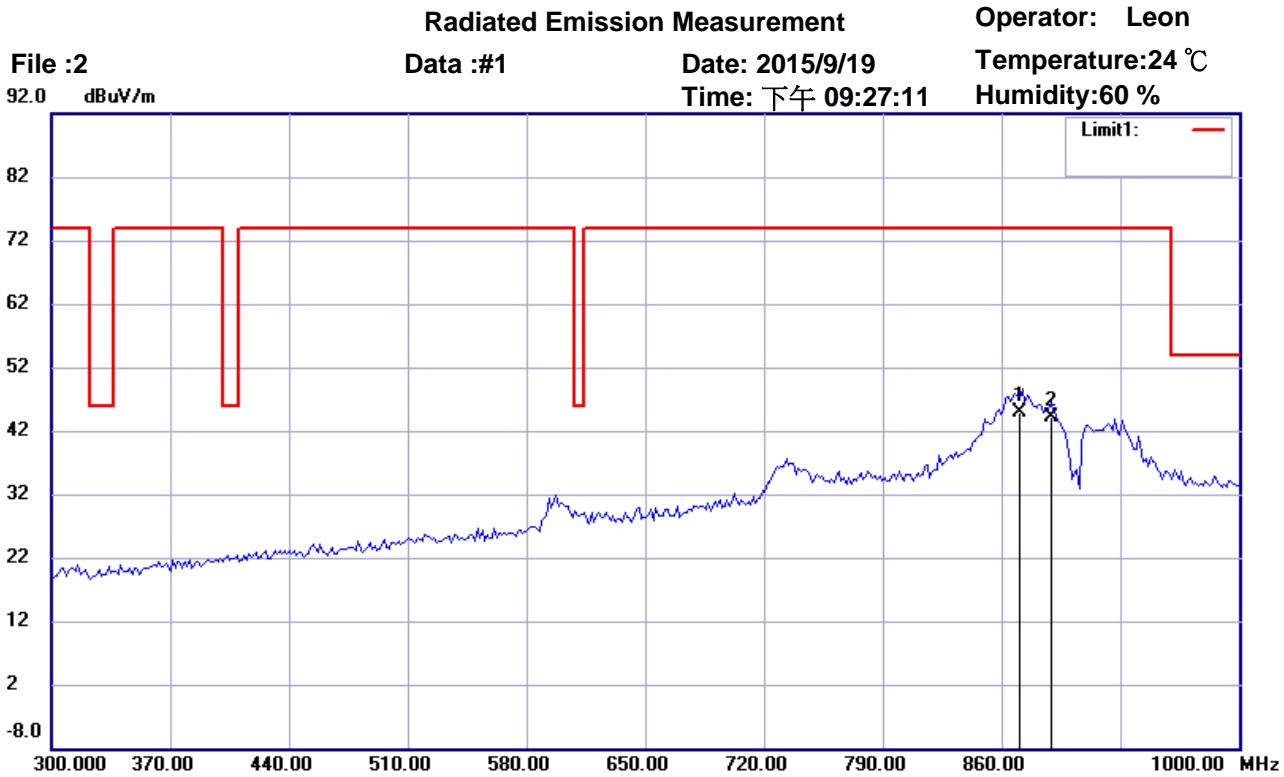
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	37.7524	25.35	QP	14.33	39.68	40.00	100	160	-0.32	
	110.6212	10.31	peak	13.30	23.61	43.50	100	90	-19.89	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

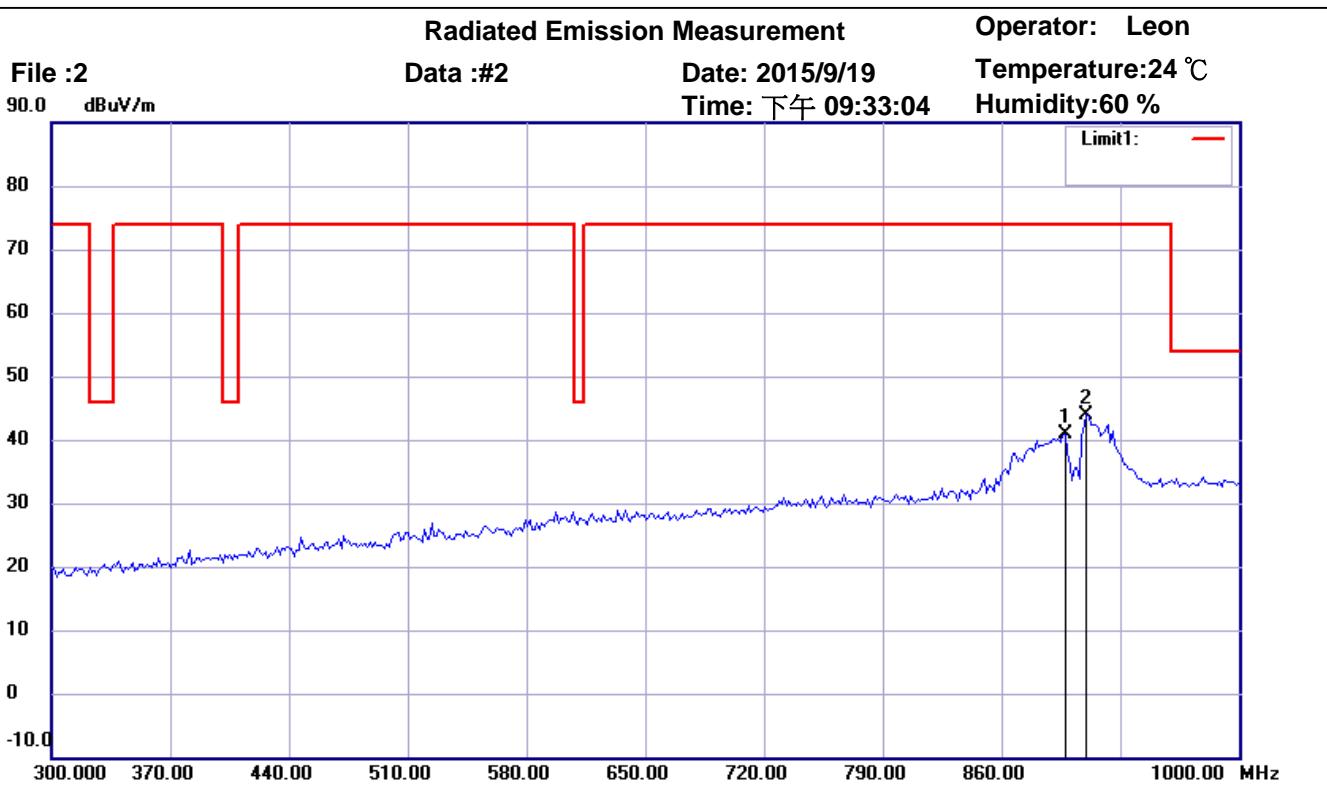
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	870.5211	17.06	QP	27.88	44.94	74.00	100	360	-29.06	
	888.9680	15.98	QP	28.19	44.17	74.00	100	0	-29.83	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

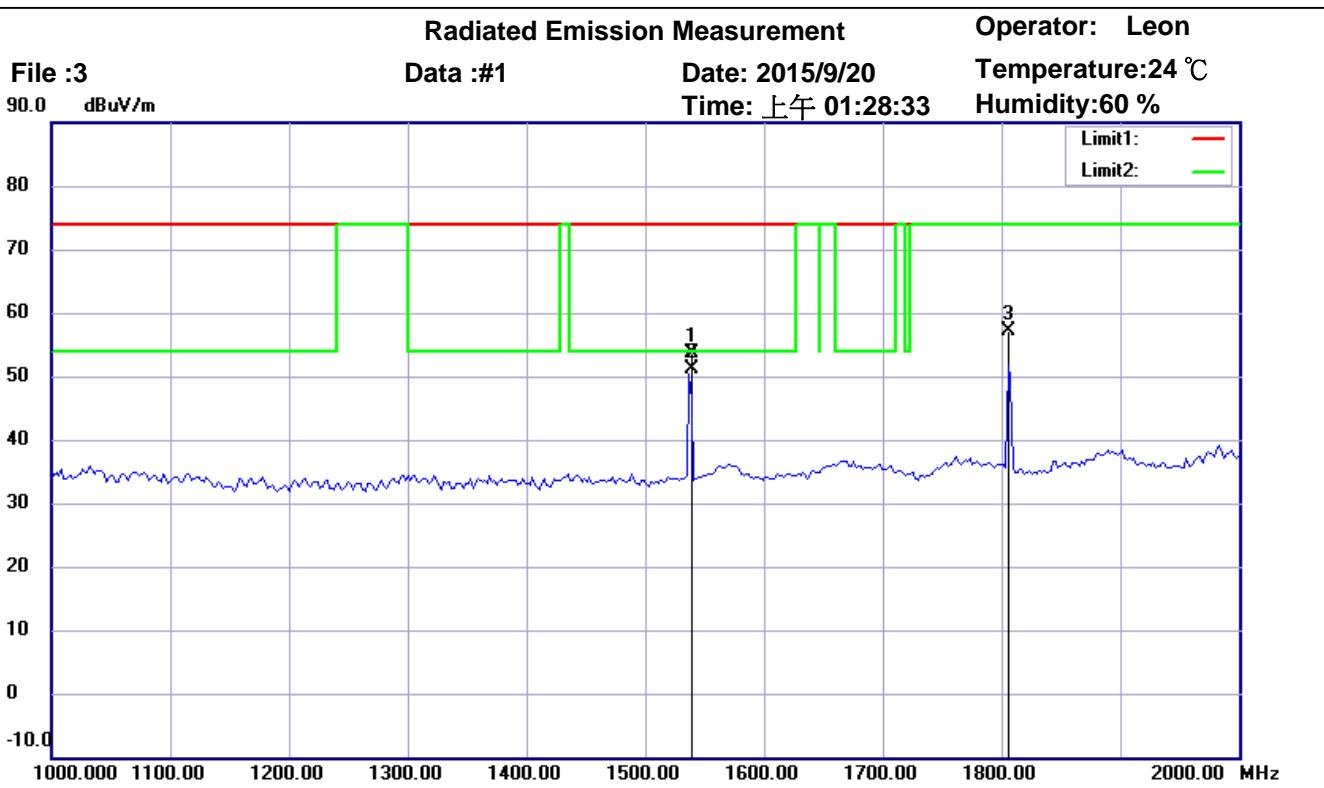
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	897.5952	12.56	peak	28.34	40.90	74.00	100	155	-33.10	
*	910.2204	15.49	peak	28.38	43.87	74.00	100	30	-30.13	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

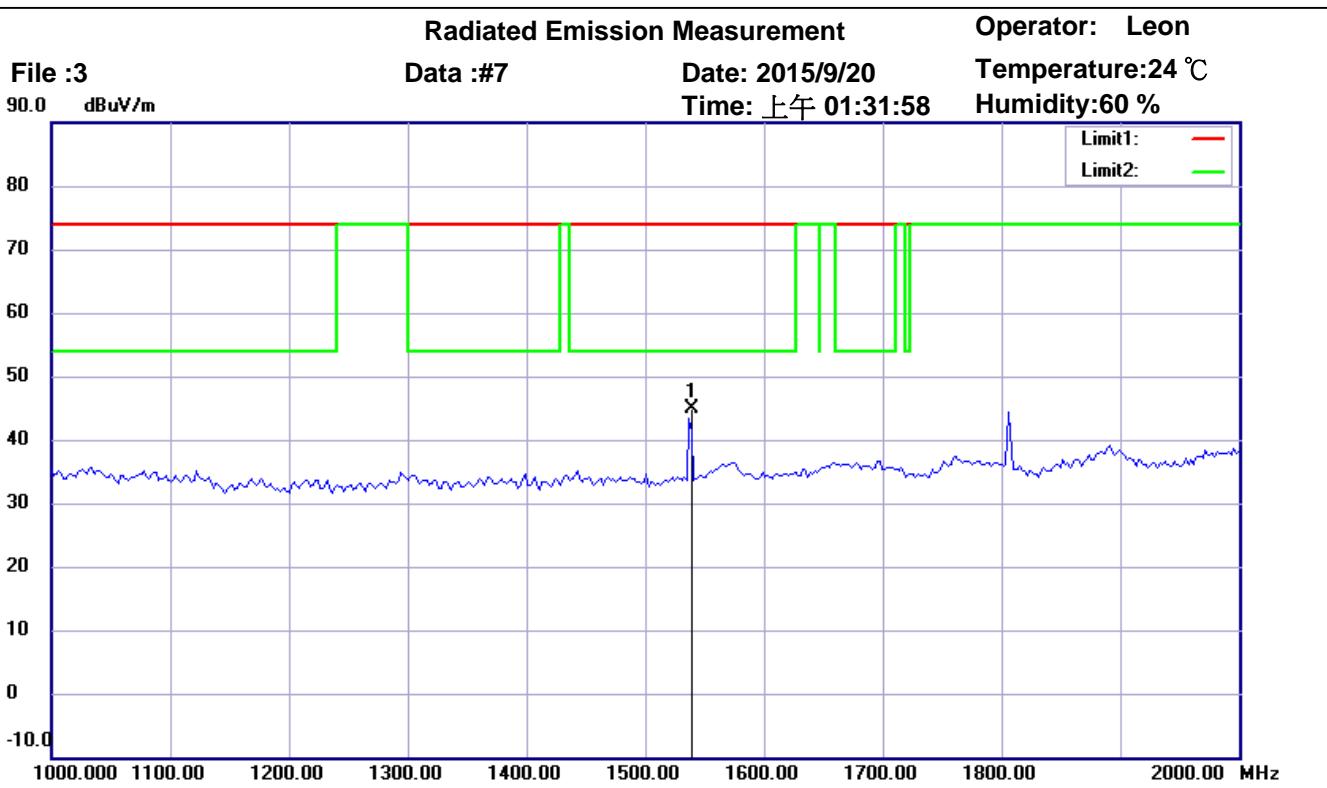
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1537.918	62.22	peak	-8.49	53.73	74.00	120	265	-20.27	
*	1537.918	59.62	AVG	-8.49	51.13	54.00	120	265	-2.87	
	1805.611	64.37	peak	-7.20	57.17	74.00	120	175	-16.83	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

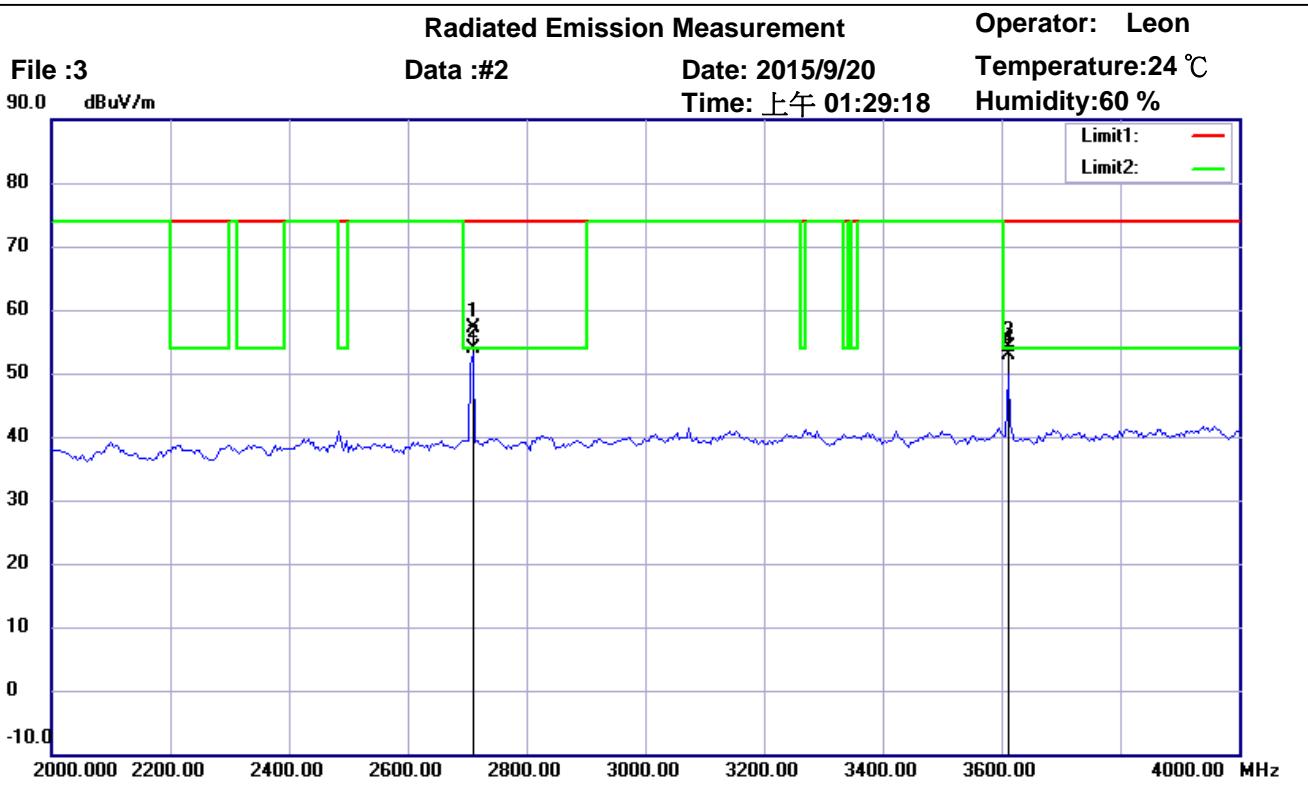
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1537.874	53.31	peak	-8.49	44.82	74.00	130	269	-29.18	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

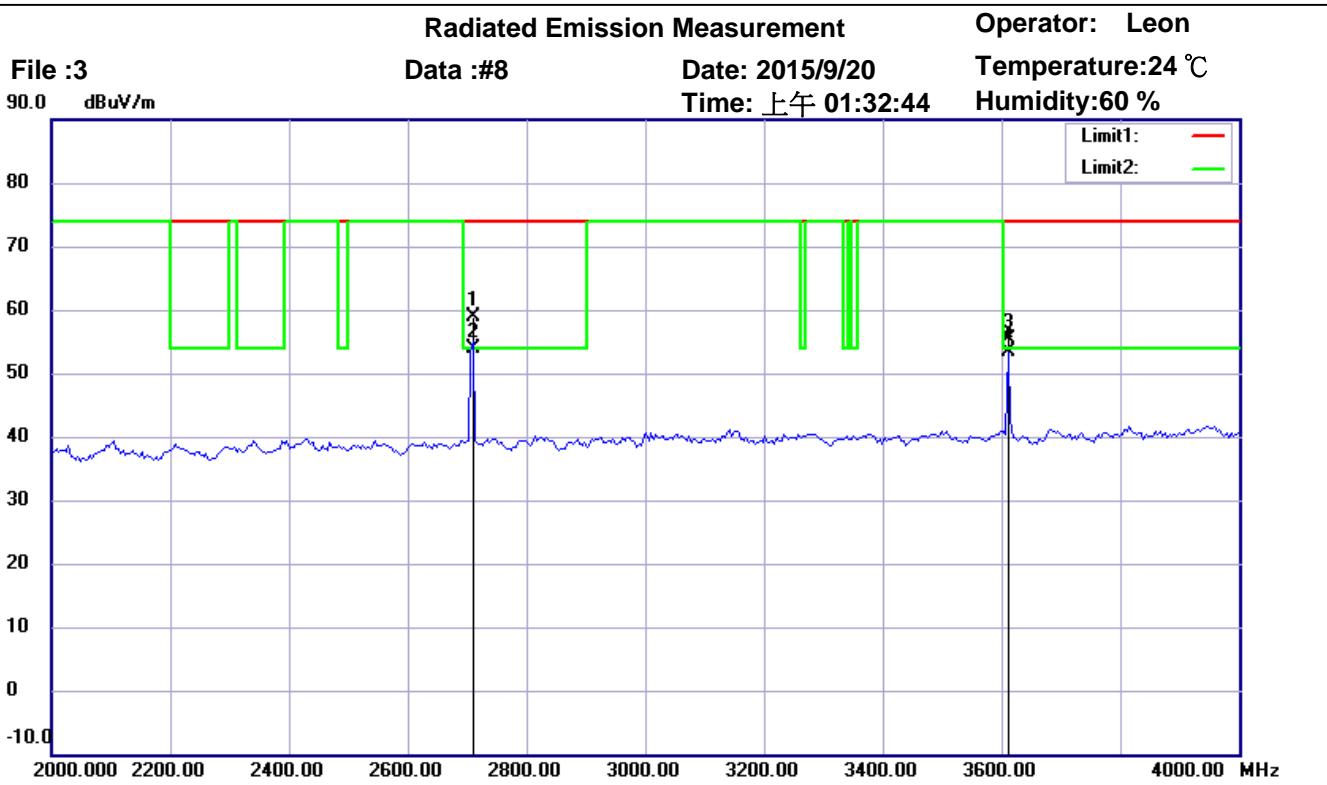
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2708.355	60.15	peak	-3.08	57.07	74.00	165	185	-16.93	
*	2708.355	56.89	AVG	-3.08	53.81	54.00	165	185	-0.19	
	3611.136	55.24	peak	-1.17	54.07	74.00	135	40	-19.93	
	3611.136	53.97	AVG	-1.17	52.80	54.00	135	40	-1.20	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

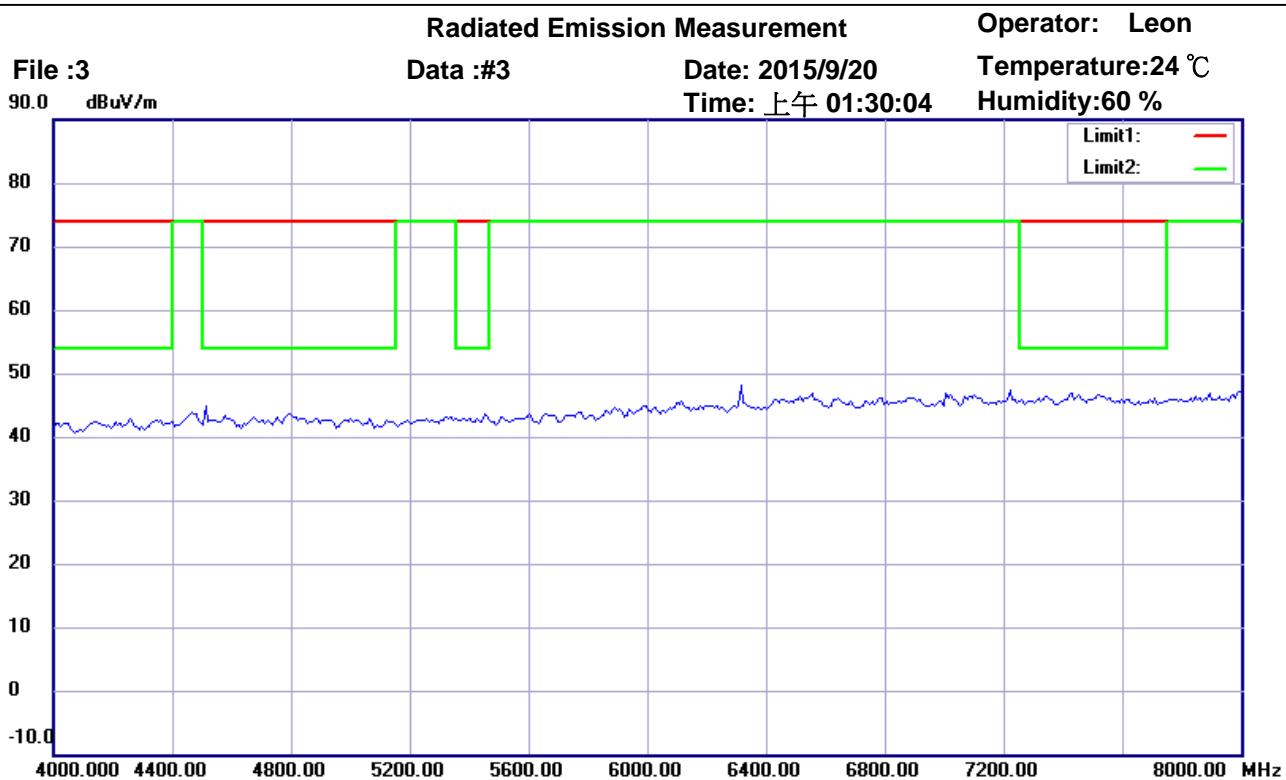
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2708.355	61.92	peak	-3.08	58.84	74.00	215	199	-15.16	
*	2708.355	57.00	AVG	-3.08	53.92	54.00	215	199	-0.08	
	3611.222	56.67	peak	-1.18	55.49	74.00	100	155	-18.51	
	3611.222	54.55	AVG	-1.18	53.37	54.00	100	155	-0.63	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

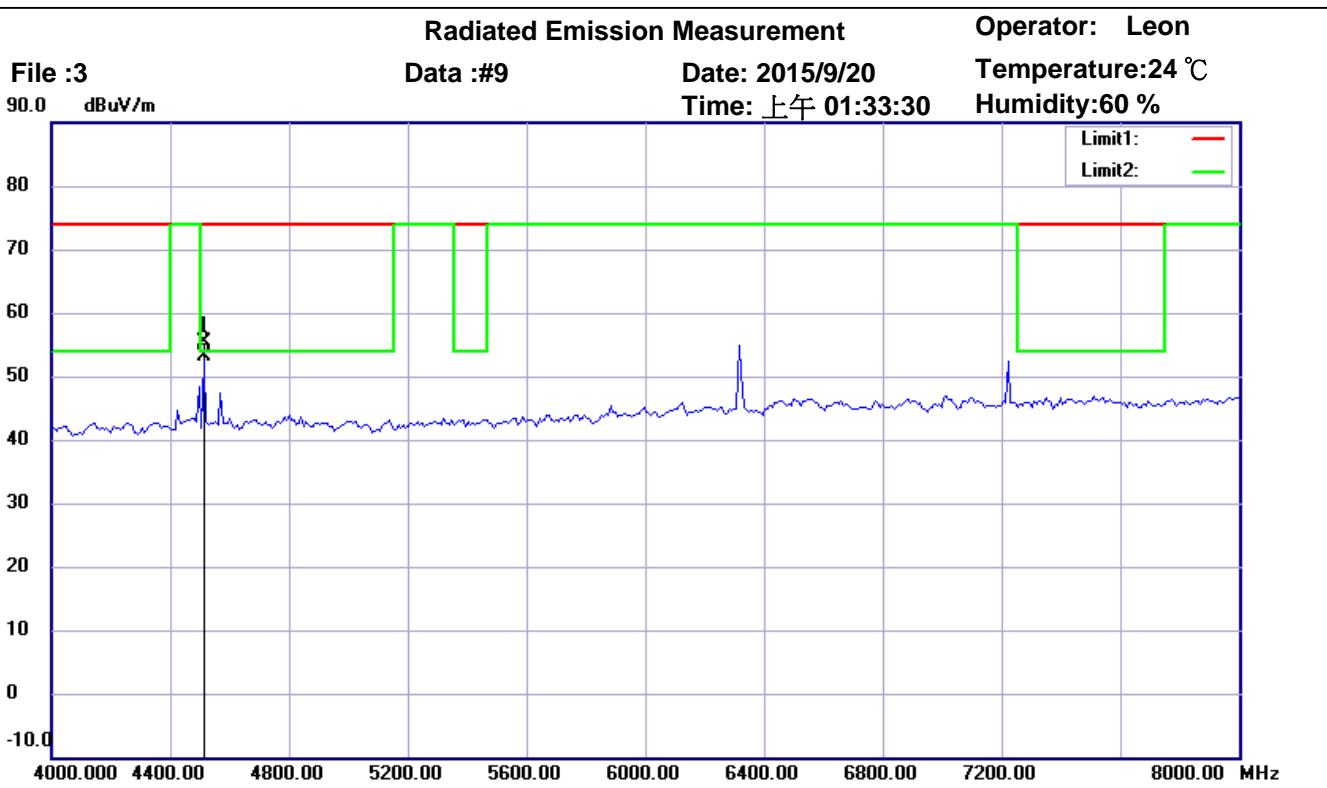
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*										



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

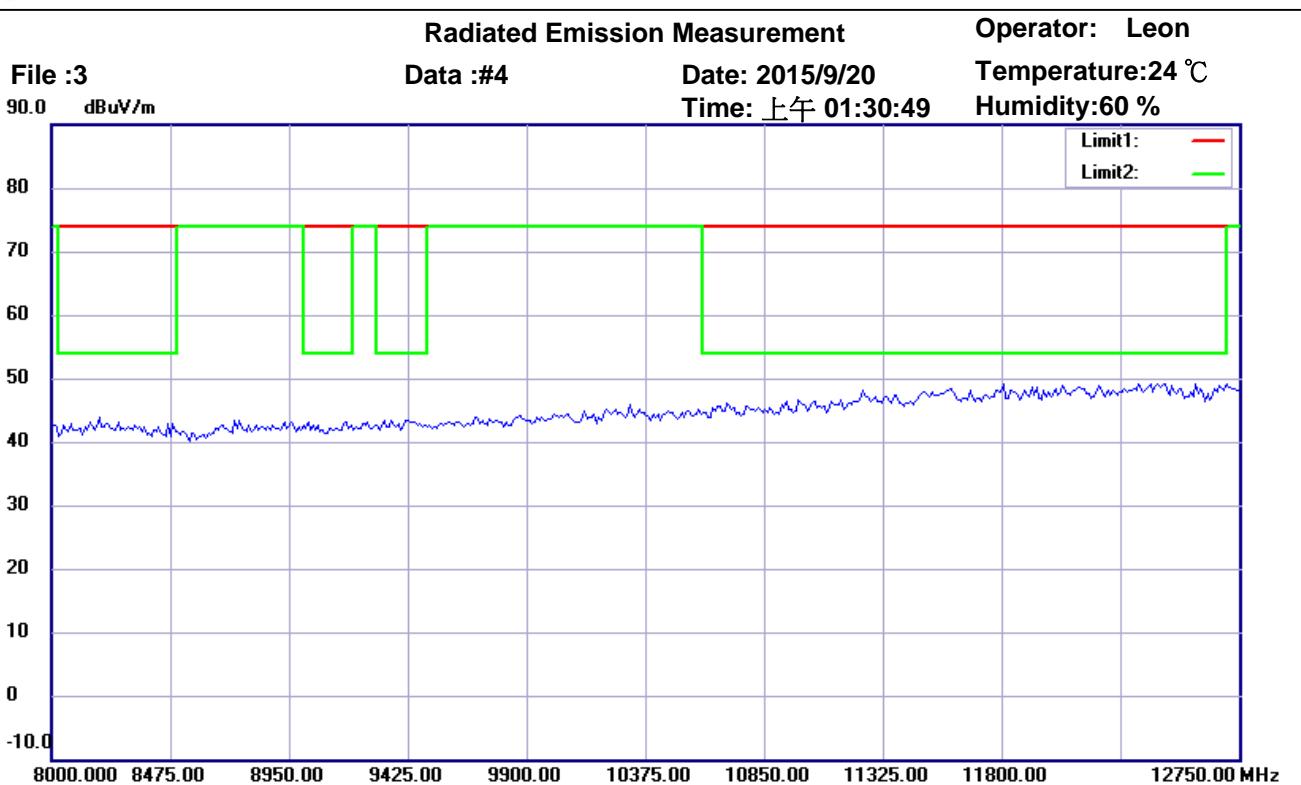
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4513.026	54.33	peak	1.11	55.44	74.00	125	130	-18.56	
*	4513.026	51.96	AVG	1.11	53.07	54.00	125	130	-0.93	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

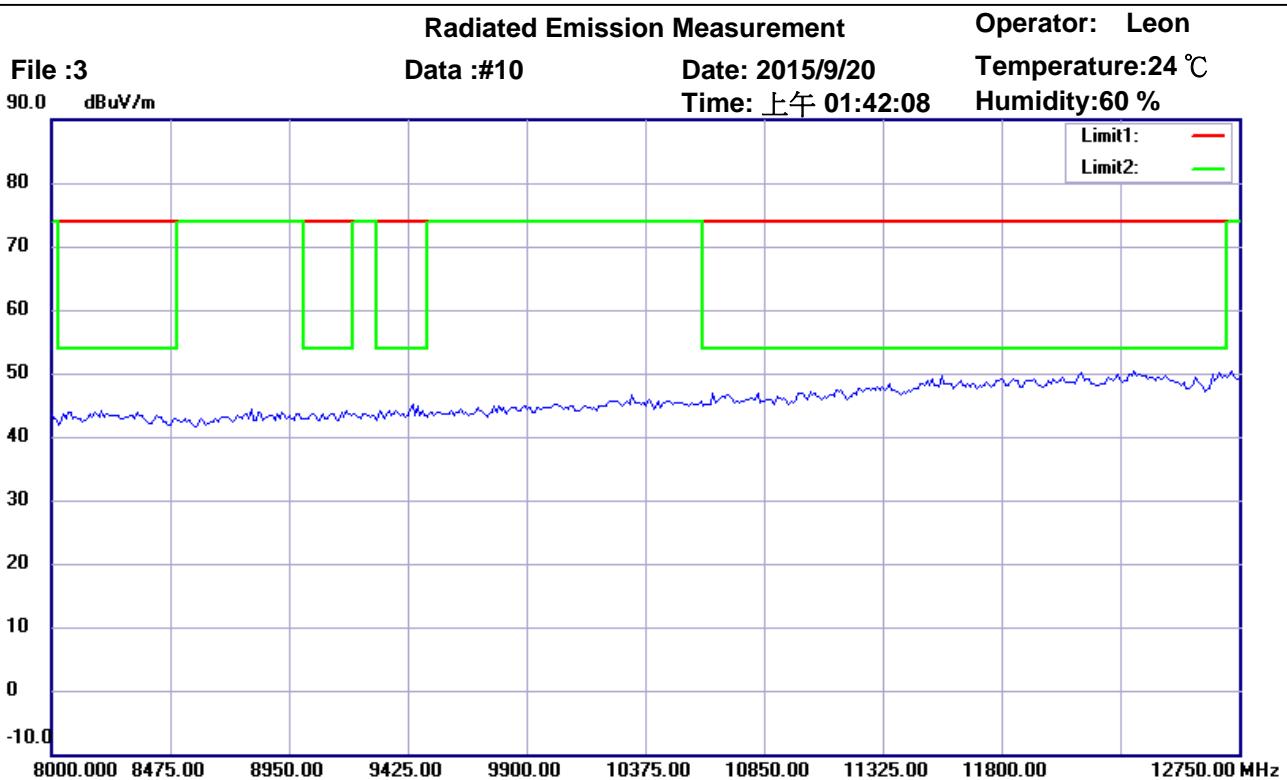
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

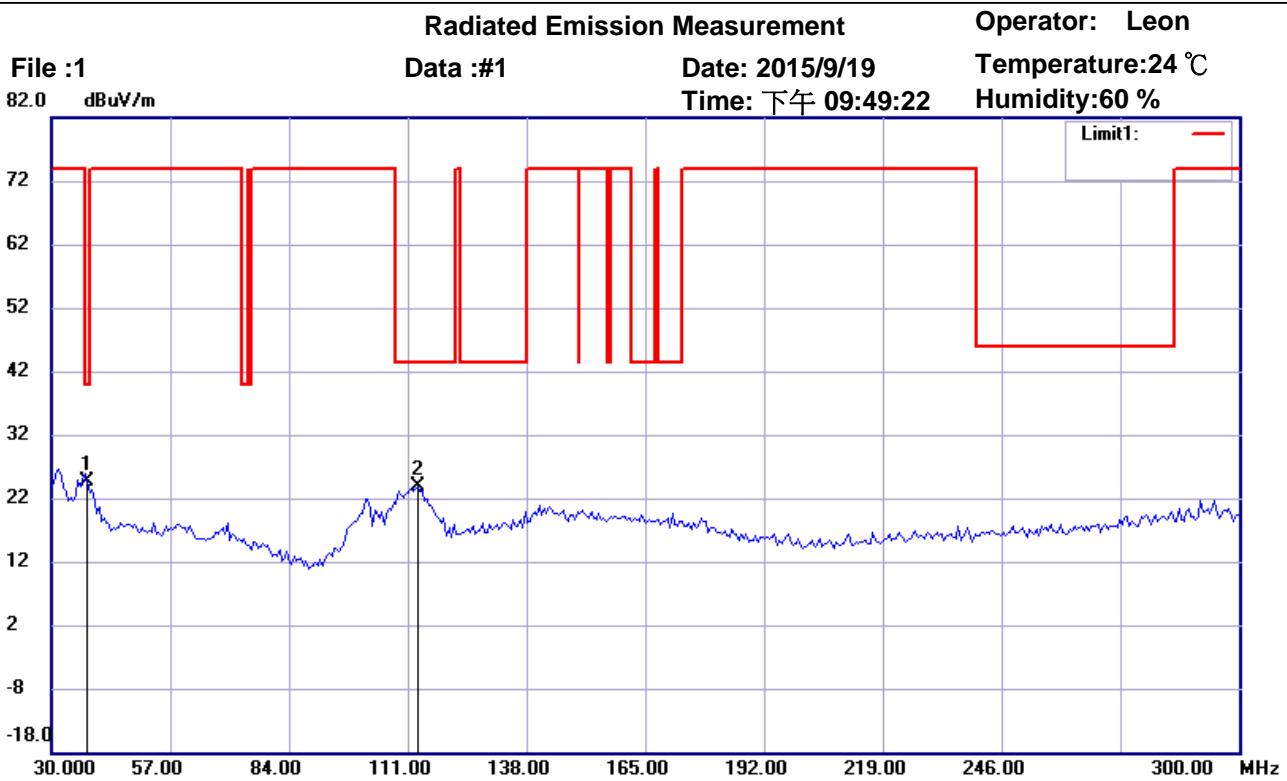
Test Mode : TX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

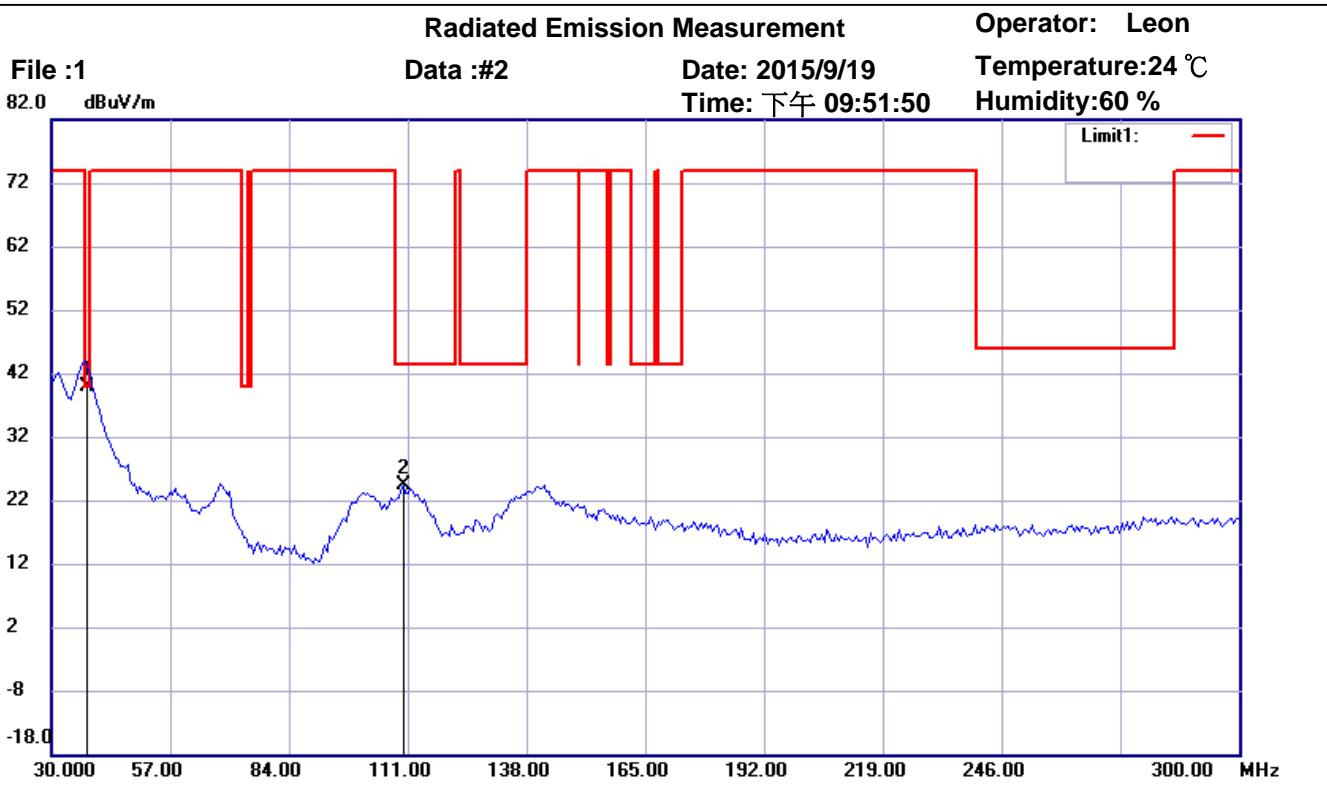
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	38.1162	10.17	peak	14.37	24.54	40.00	100	155	-15.46	
	113.3267	10.27	peak	13.50	23.77	43.50	100	30	-19.73	



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

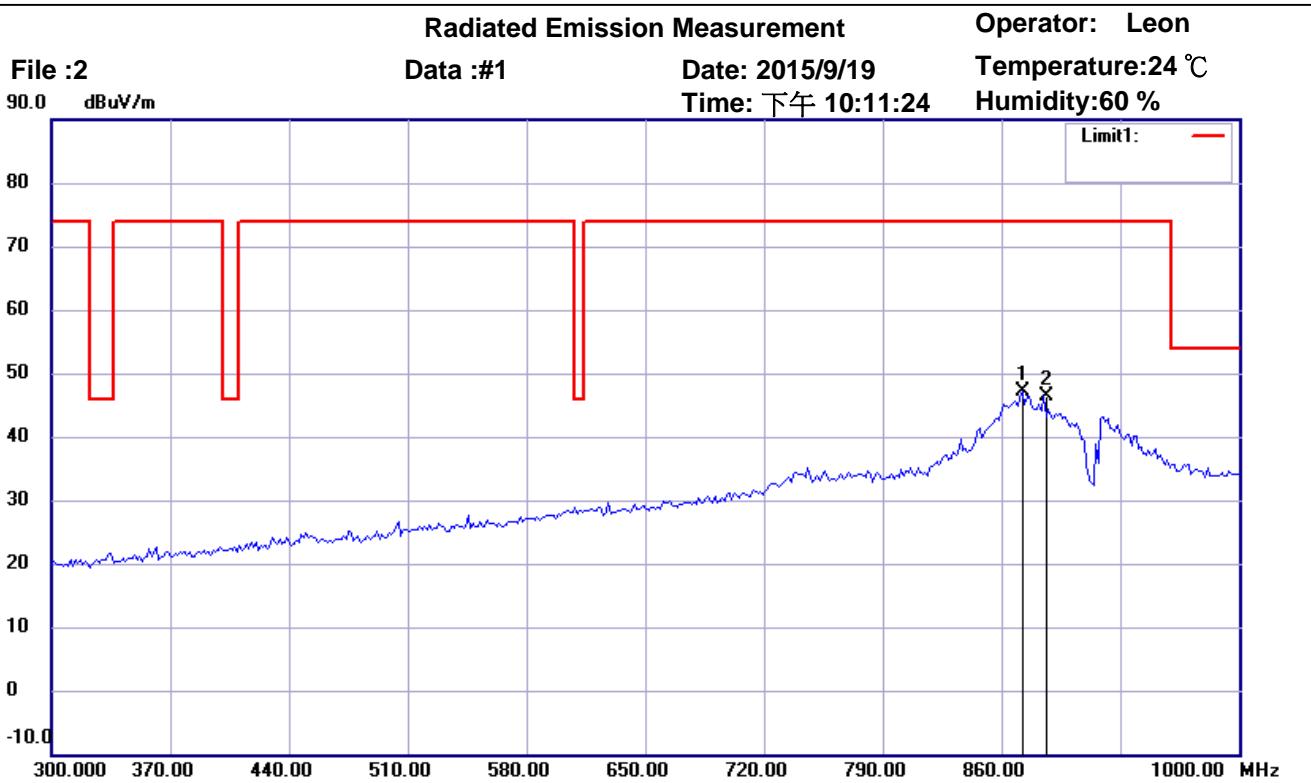
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	37.6353	25.45	QP	14.32	39.77	40.00	100	160	-0.23	
	110.0802	11.22	peak	13.27	24.49	43.50	100	15	-19.01	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

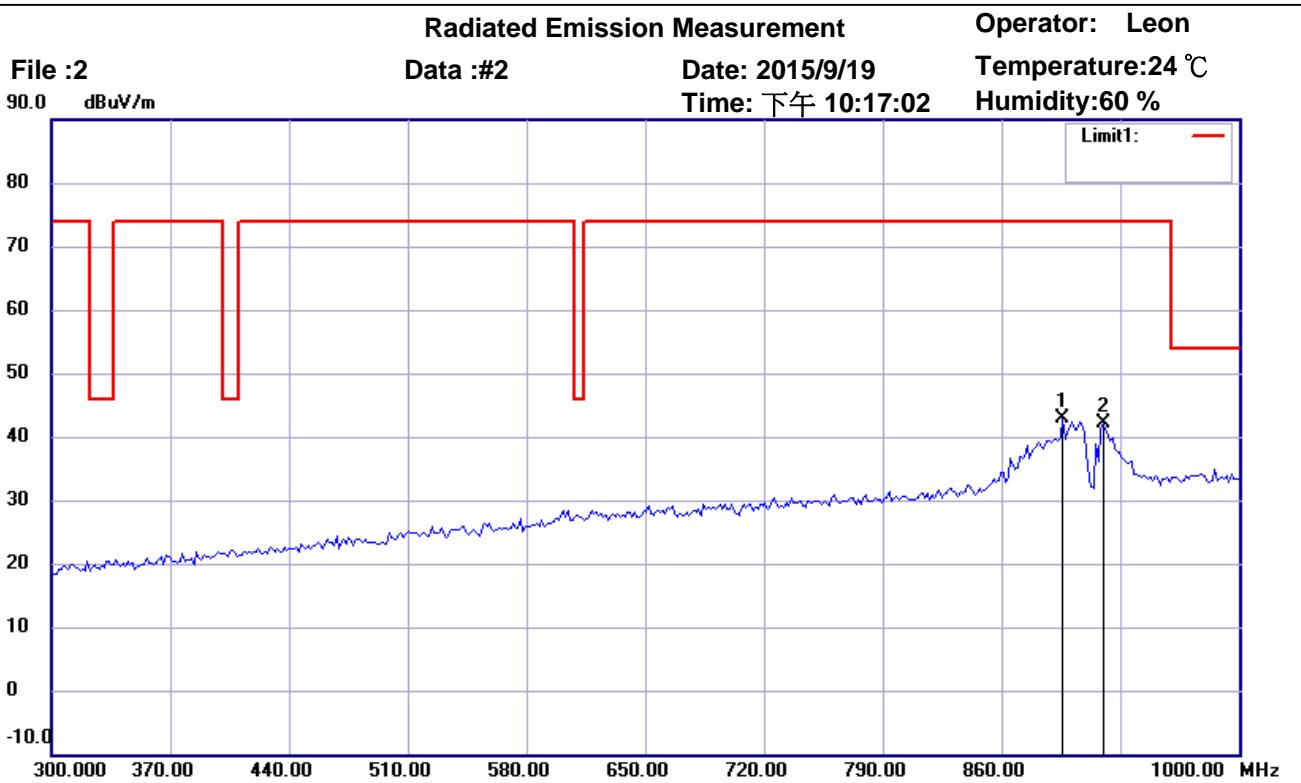
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	872.3446	19.25	peak	27.92	47.17	74.00	100	140	-26.83	
	884.9700	18.21	peak	28.13	46.34	74.00	100	250	-27.66	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

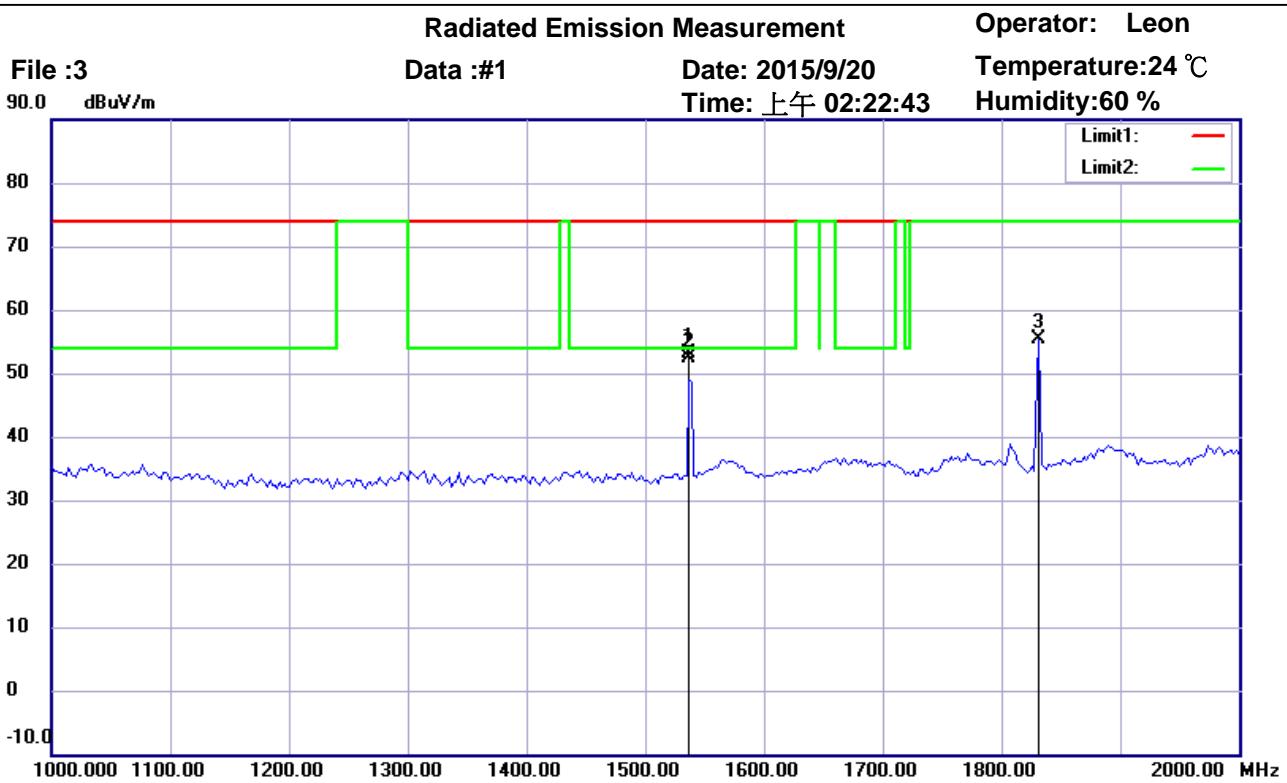
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Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	896.1924	14.51	peak	28.32	42.83	74.00	100	65	-31.17	
	920.0401	13.70	peak	28.39	42.09	74.00	100	175	-31.91	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

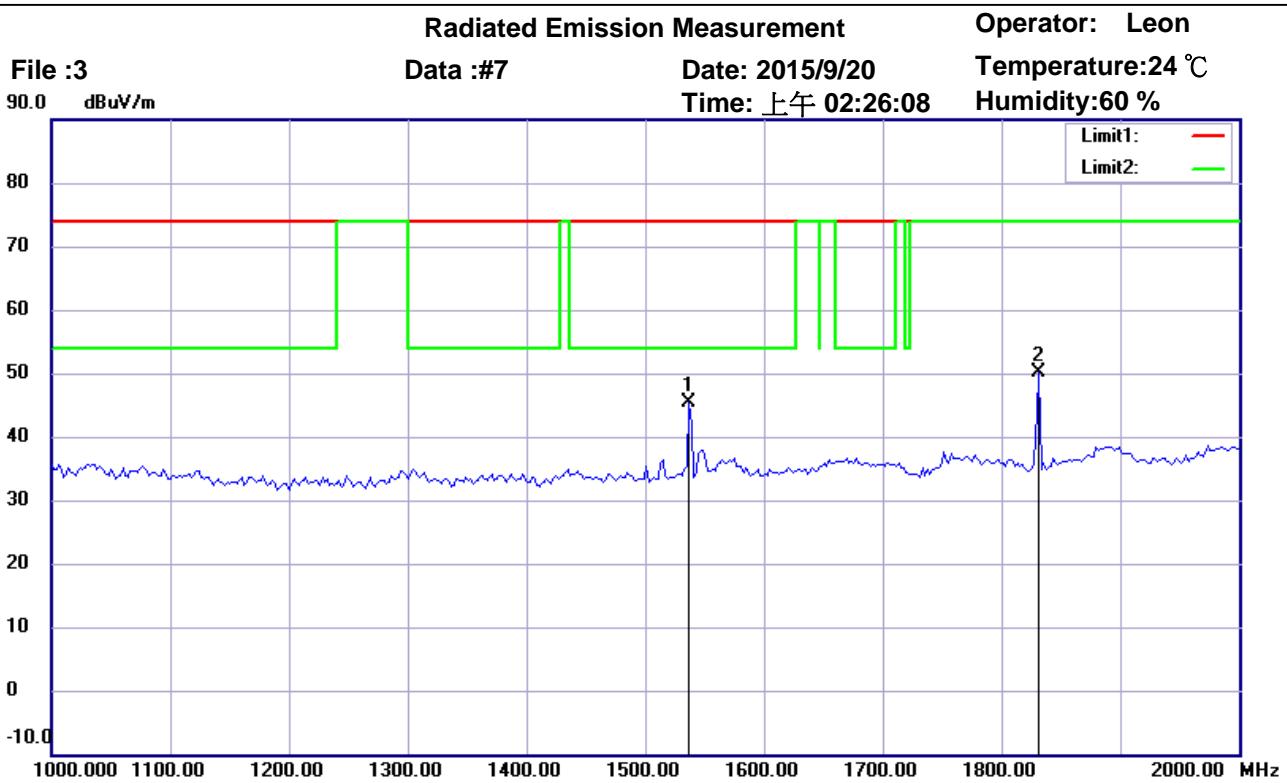
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Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1537.074	61.57	peak	-8.50	53.07	74.00	120	165	-20.93	
*	1537.074	60.98	AVG	-8.50	52.48	54.00	120	165	-1.52	
	1831.663	62.23	peak	-6.86	55.37	74.00	100	50	-18.63	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

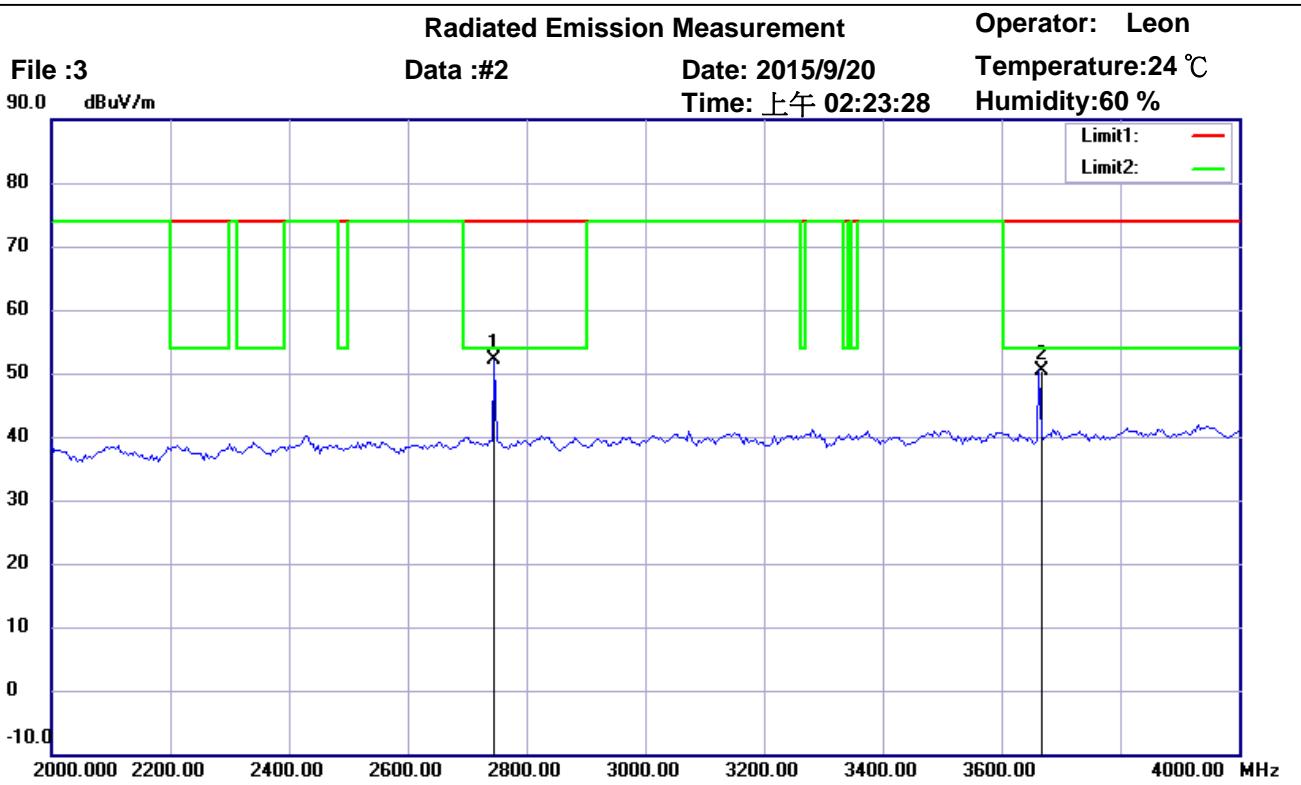
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1537.074	53.87	peak	-8.50	45.37	74.00	100	175	-28.63	
*	1831.663	57.10	peak	-6.86	50.24	74.00	100	190	-23.76	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

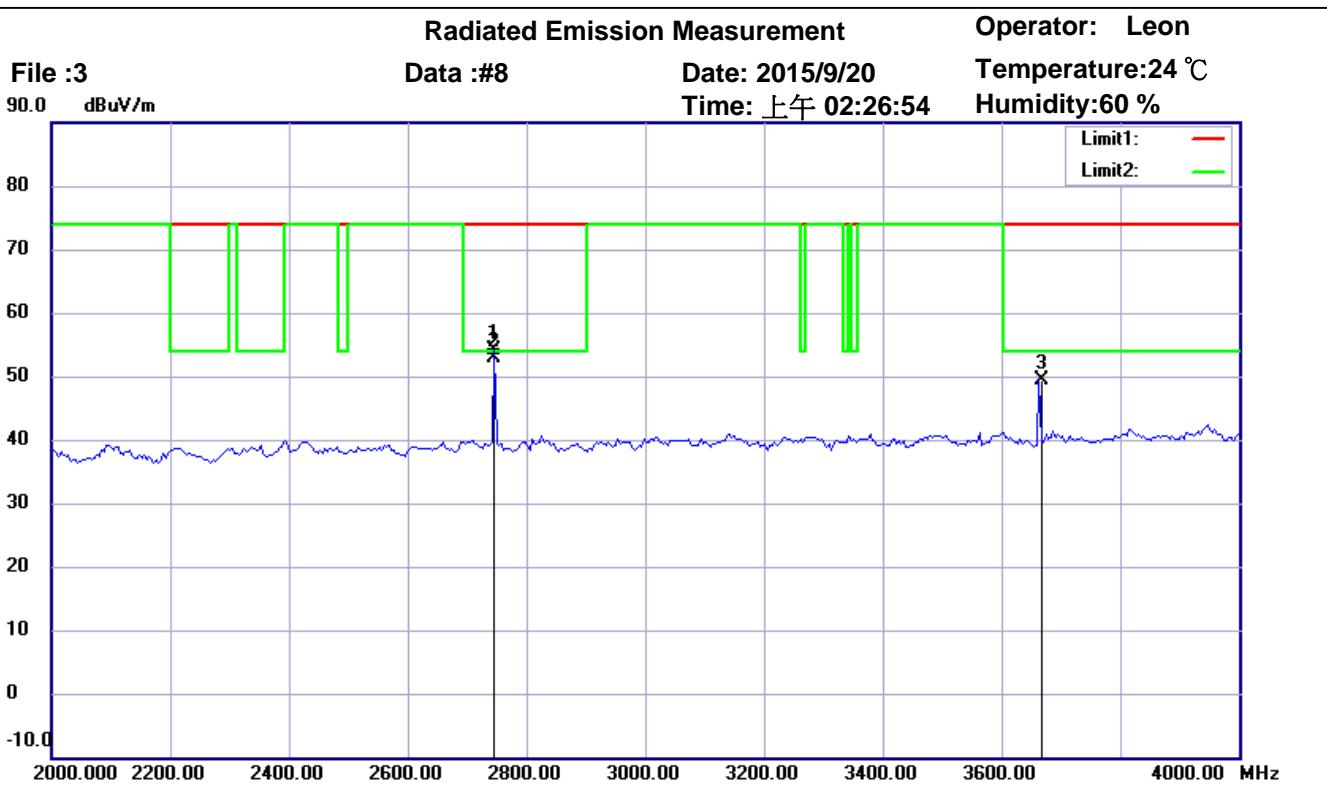
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2745.491	55.14	peak	-2.97	52.17	74.00	100	230	-21.83	
	3663.327	51.50	peak	-1.15	50.35	74.00	100	95	-23.65	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

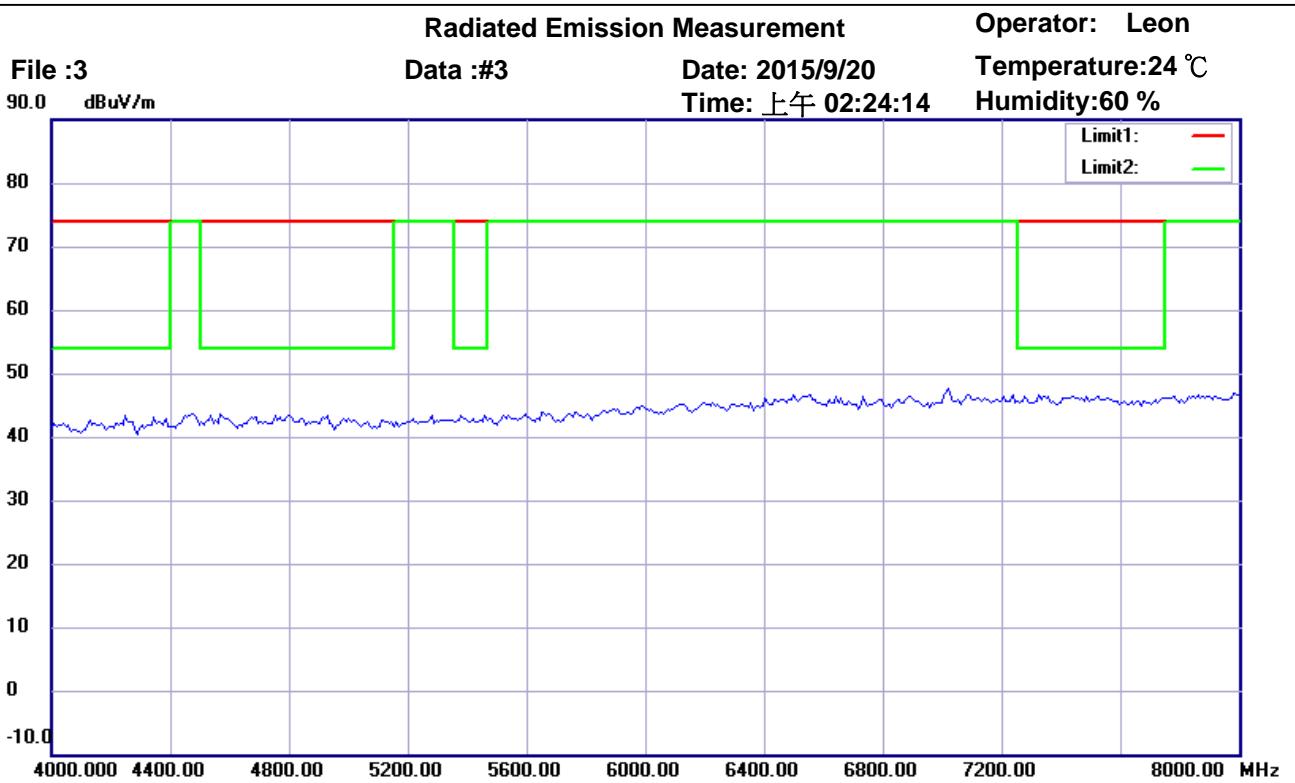
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2745.491	57.18	peak	-2.97	54.21	74.00	100	195	-19.79	
*	2745.491	55.79	AVG	-2.97	52.82	54.00	100	195	-1.18	
	3663.327	50.58	peak	-1.15	49.43	74.00	100	70	-24.57	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

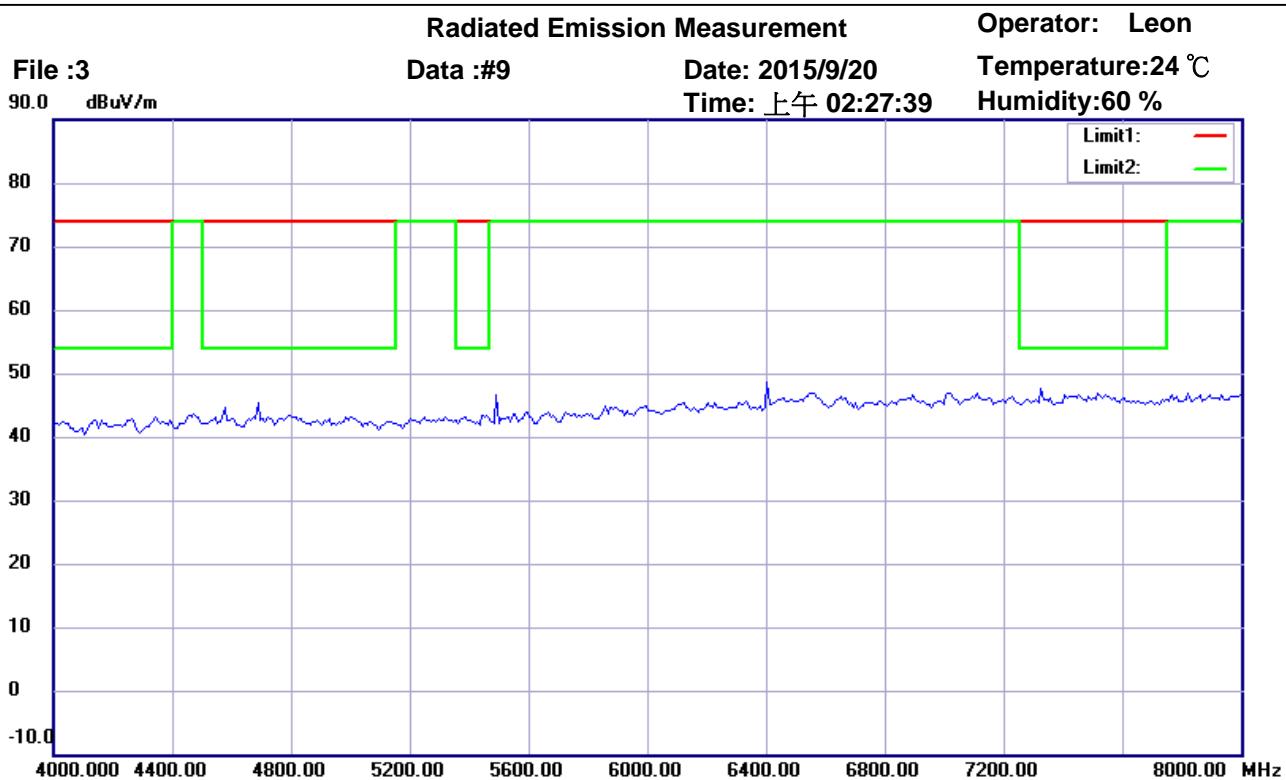
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

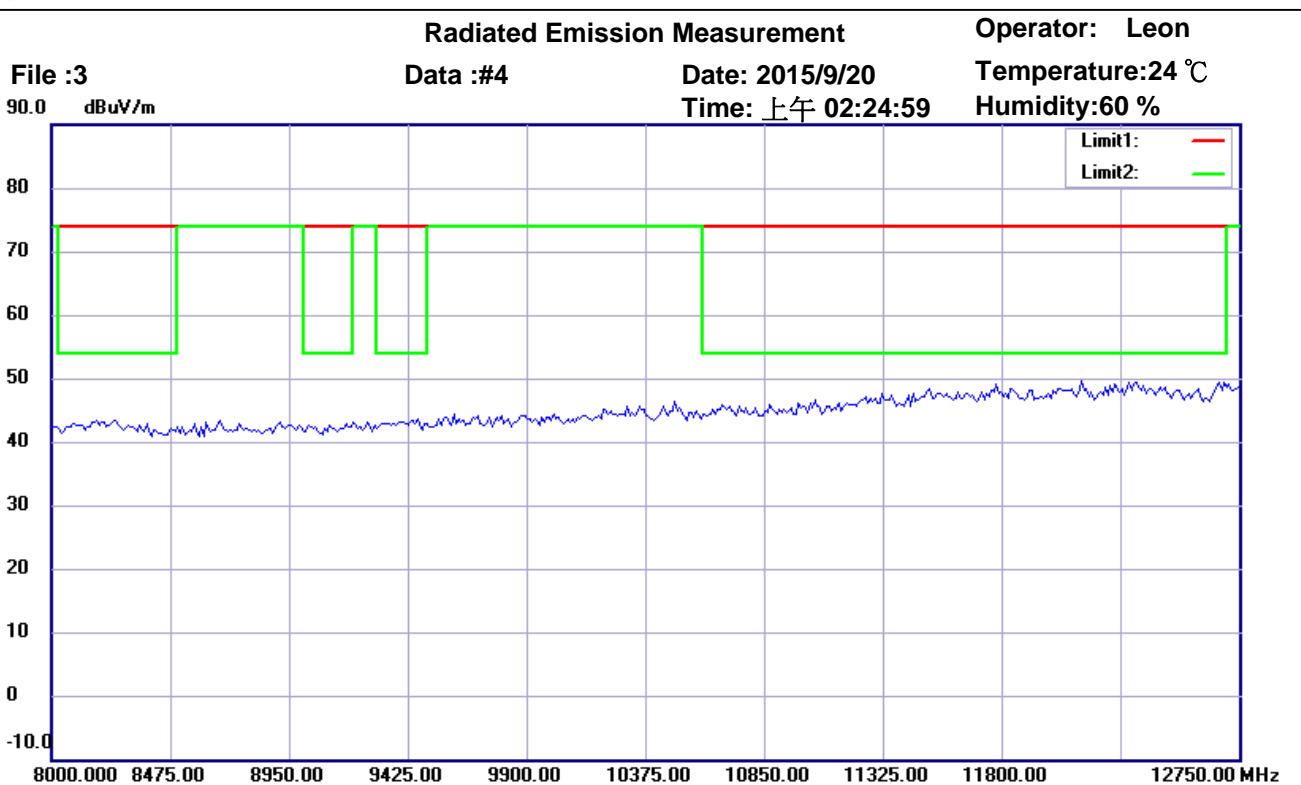
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

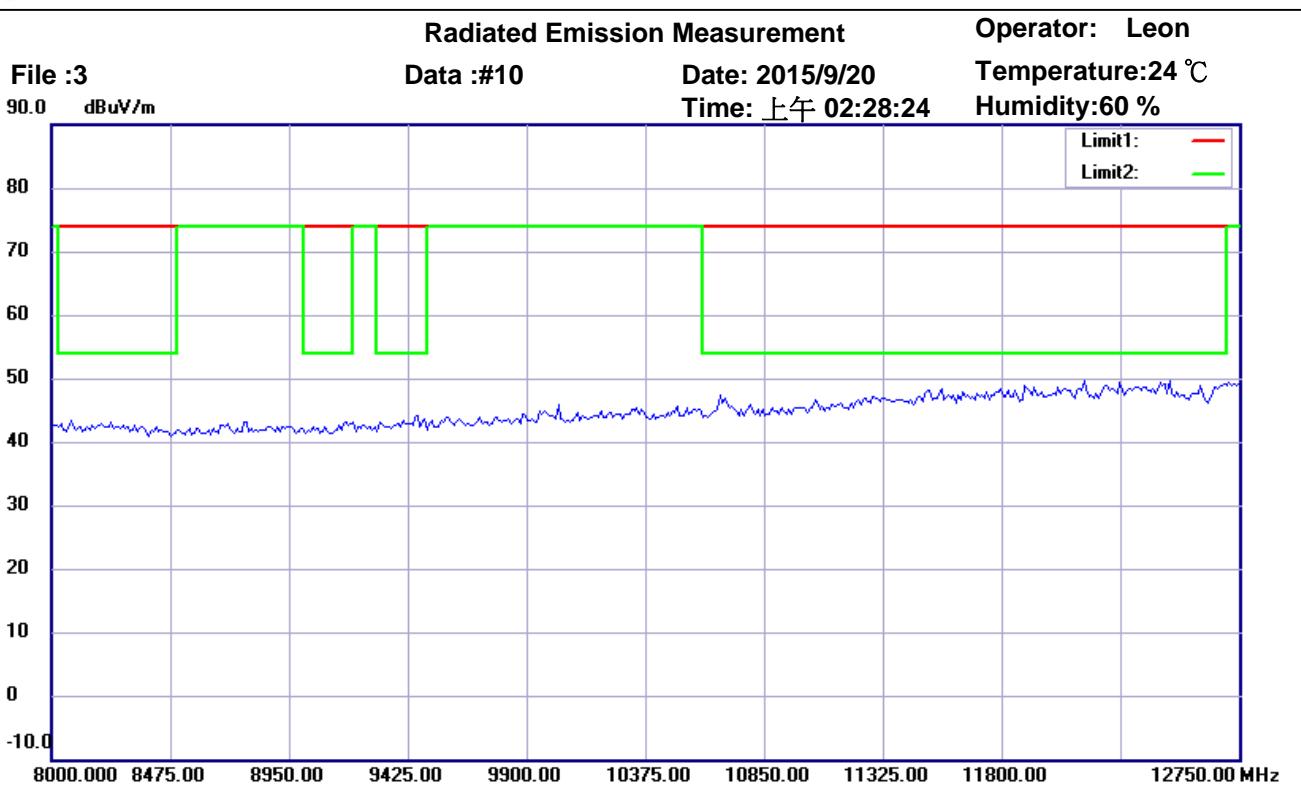
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Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

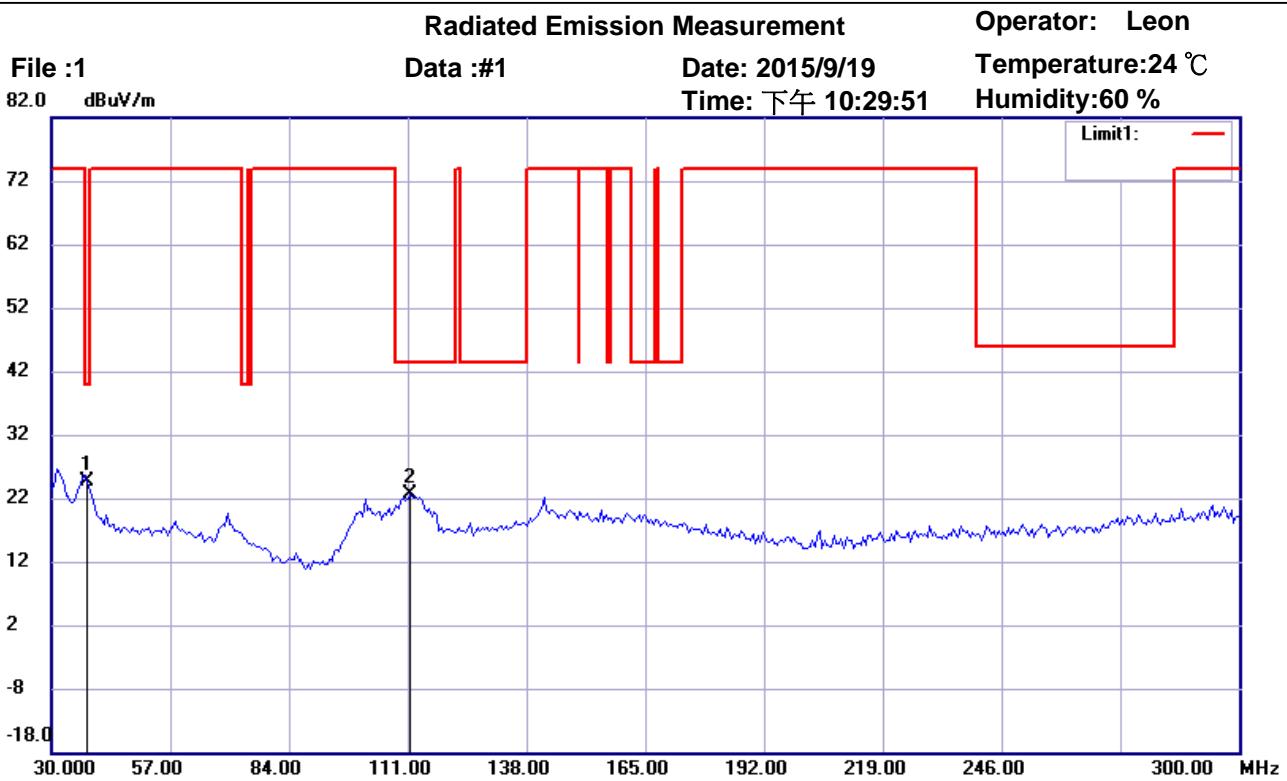
Test Mode : TX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

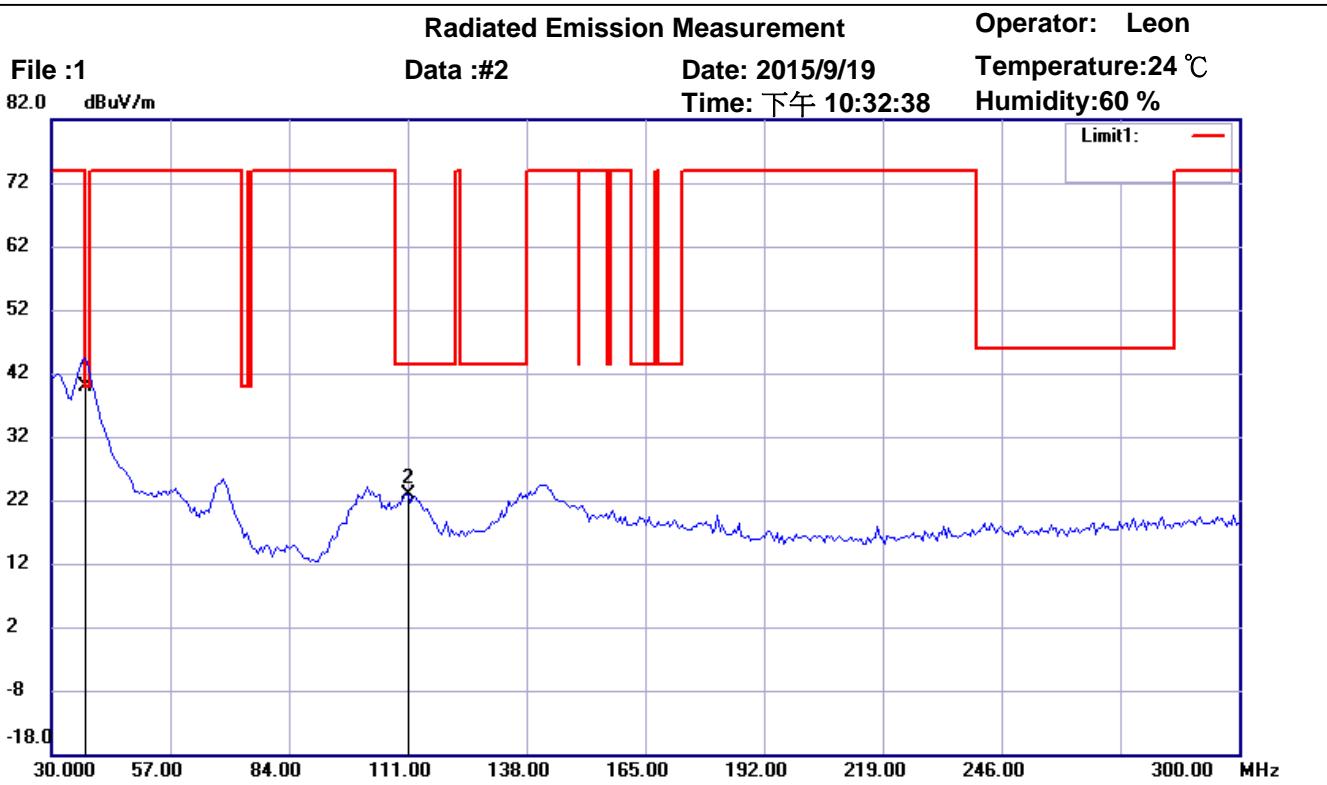
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	38.1162	10.19	peak	14.37	24.56	40.00	100	95	-15.44	
	111.7034	9.31	peak	13.38	22.69	43.50	100	120	-20.81	



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Site : Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

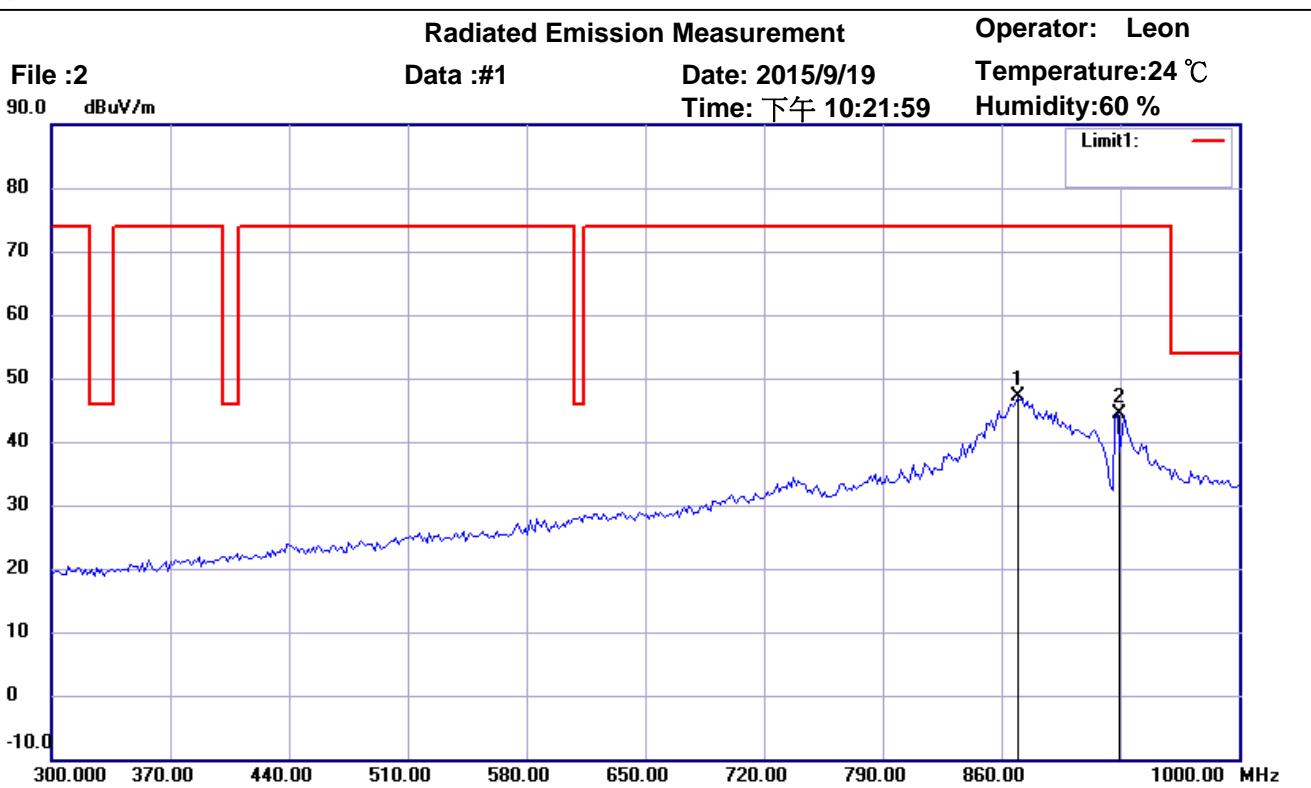
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	37.5331	25.57	QP	14.30	39.87	40.00	100	165	-0.13	
	111.1623	9.56	peak	13.34	22.90	43.50	100	20	-20.60	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

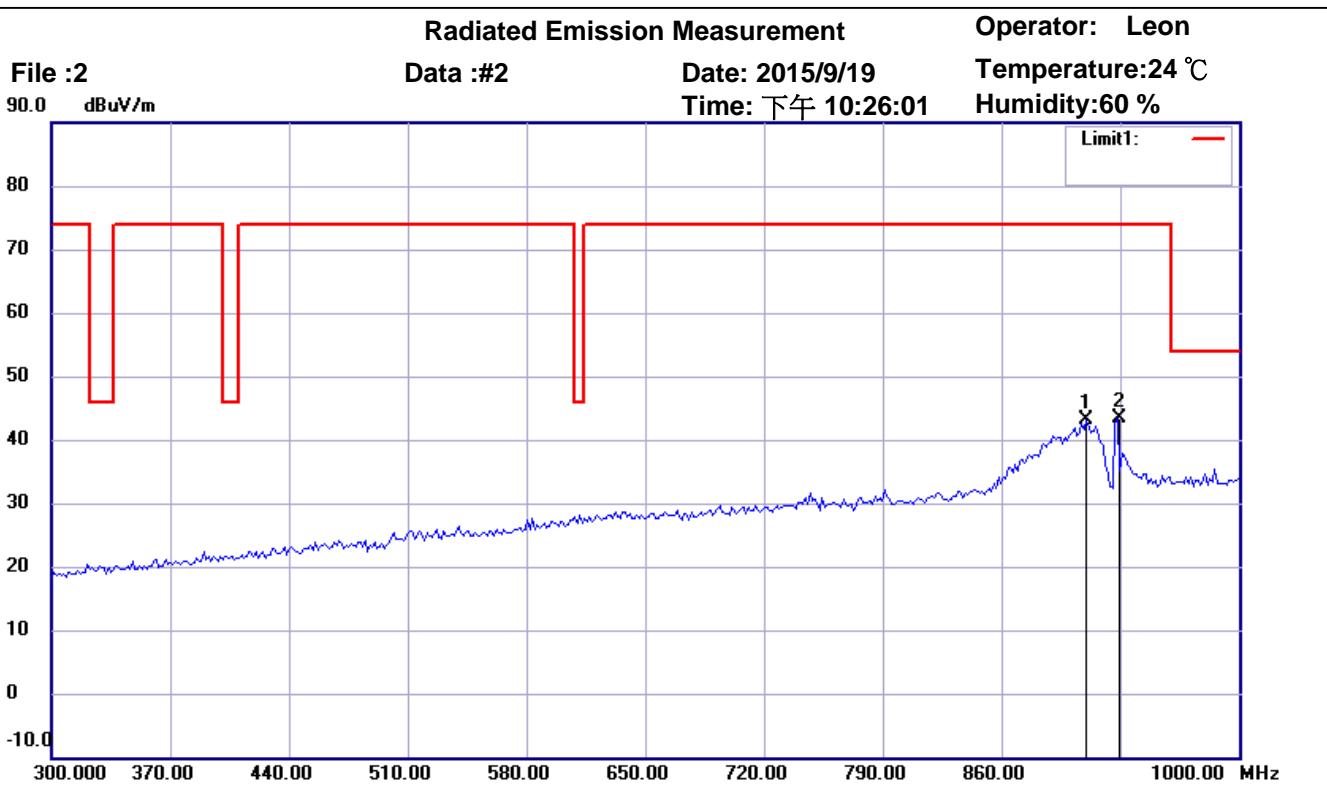
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	869.5390	19.29	peak	27.87	47.16	74.00	100	110	-26.84	
	928.4570	16.02	peak	28.39	44.41	74.00	100	85	-29.59	



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Site : Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

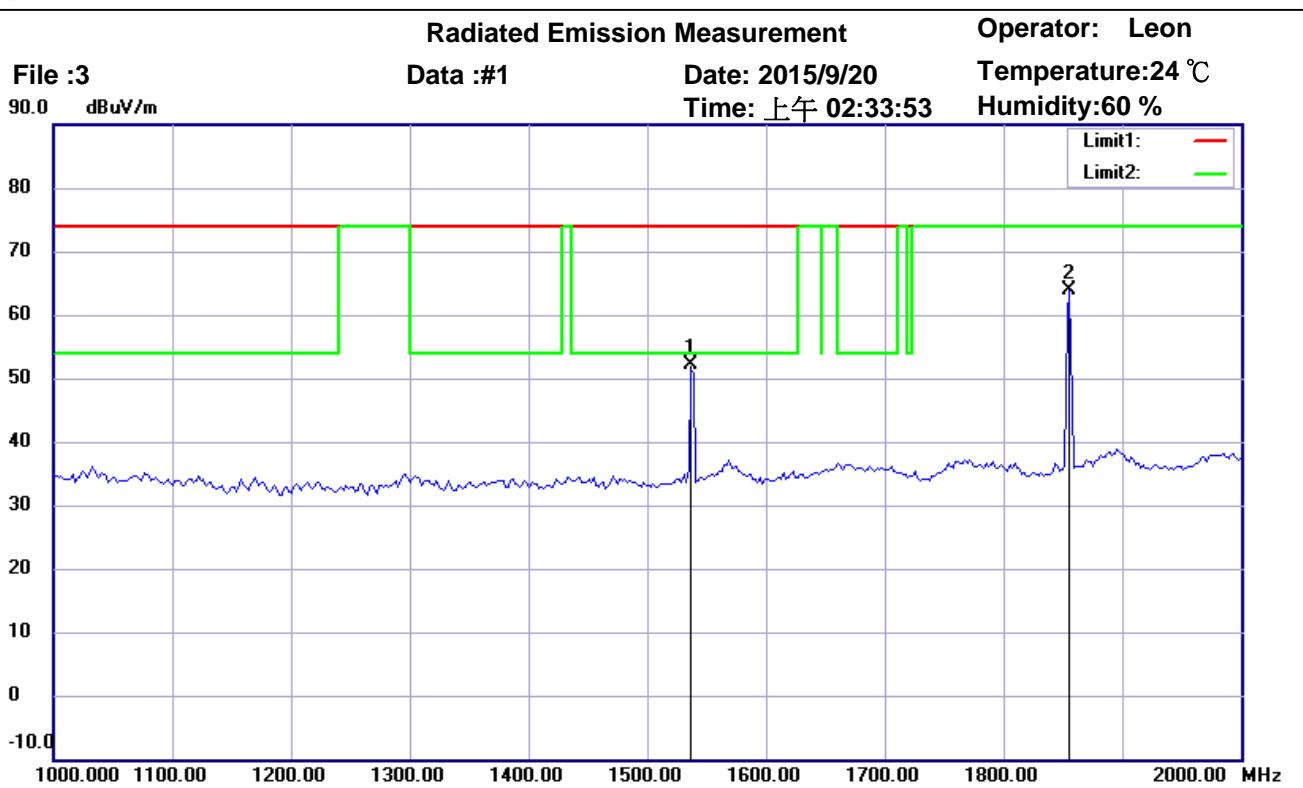
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	910.2204	14.64	peak	28.38	43.02	74.00	100	15	-30.98	
*	928.4570	14.90	peak	28.39	43.29	74.00	100	70	-30.71	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

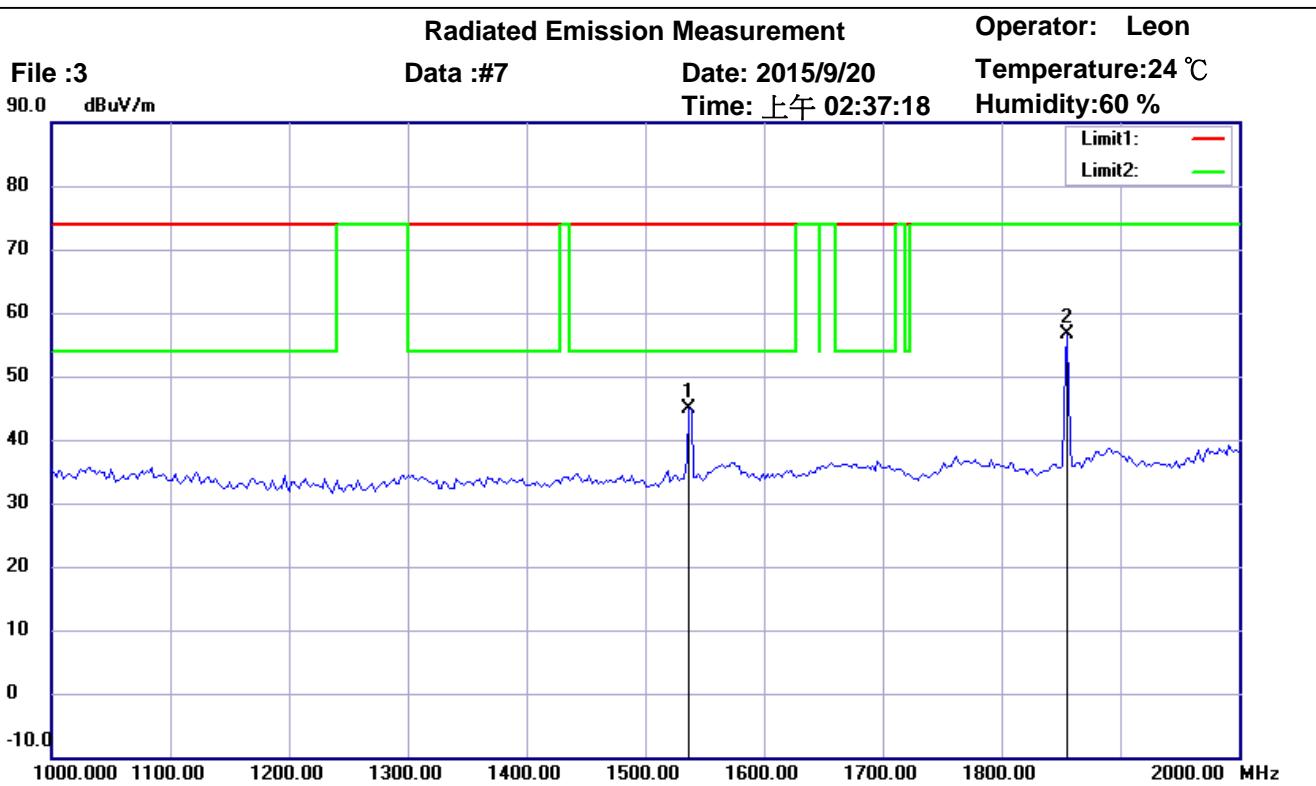
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1537.074	60.59	peak	-8.50	52.09	74.00	125	160	-21.91	
*	1855.711	70.46	peak	-6.56	63.90	74.00	100	175	-10.10	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

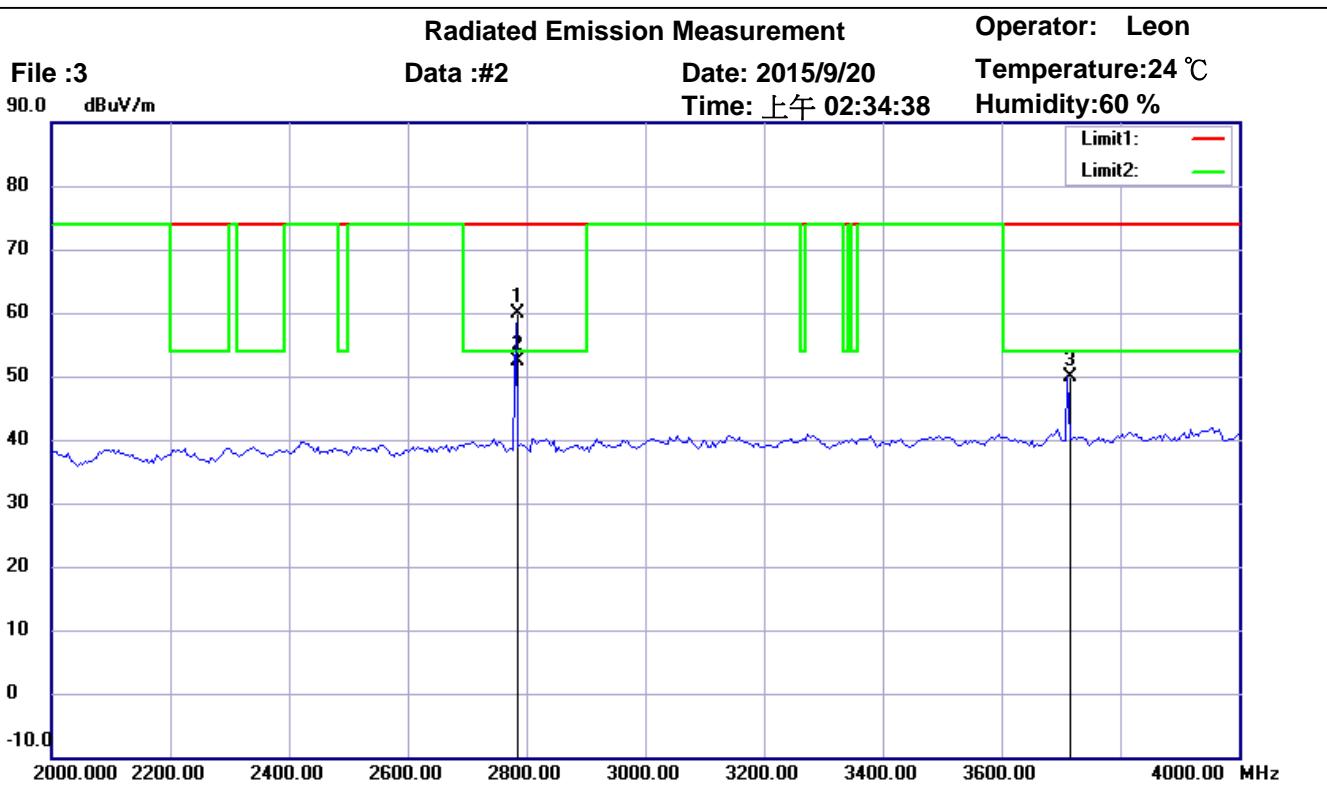
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1537.074	53.34	peak	-8.50	44.84	74.00	100	215	-29.16	
*	1855.711	63.13	peak	-6.56	56.57	74.00	100	190	-17.43	



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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

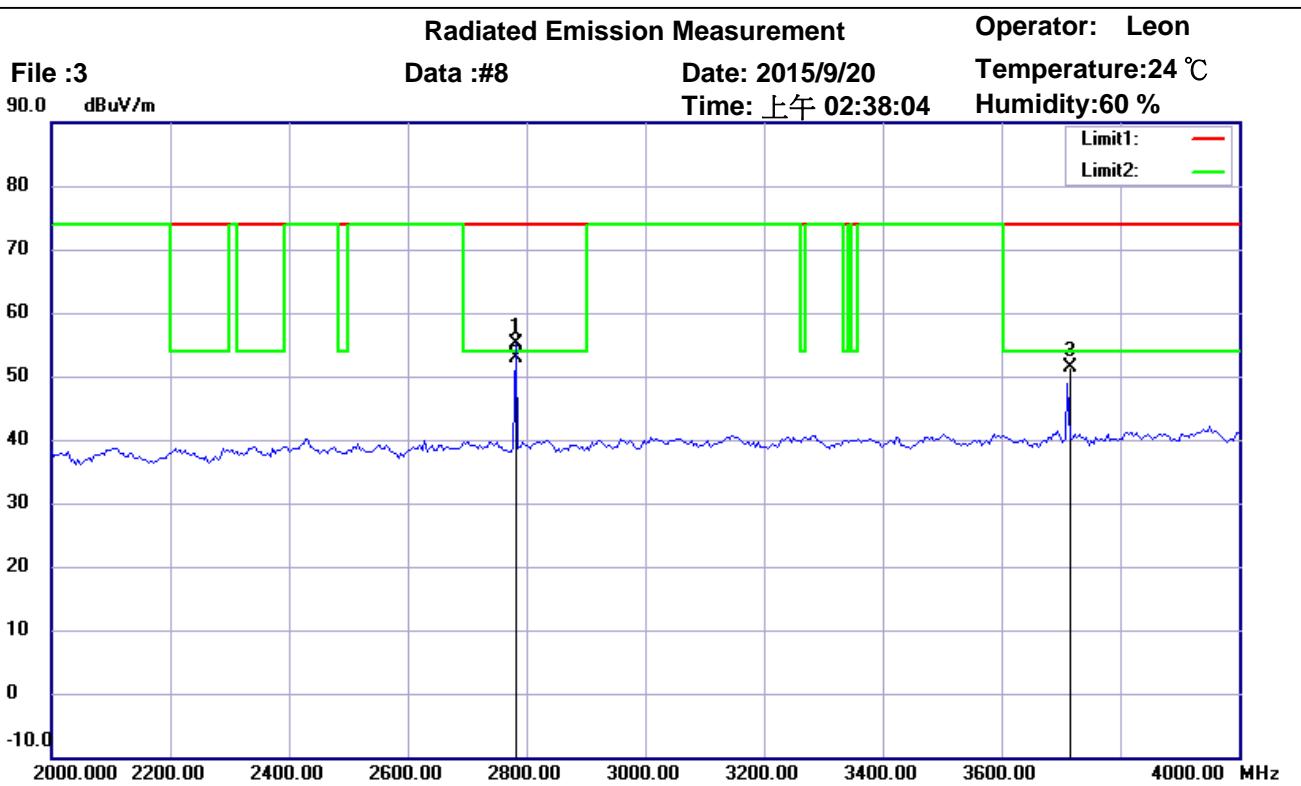
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2781.878	62.79	peak	-2.86	59.93	74.00	100	204	-14.07	
*	2781.878	55.23	AVG	-2.86	52.37	54.00	100	204	-1.63	
	3711.423	50.93	peak	-1.13	49.80	74.00	100	75	-24.20	



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



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

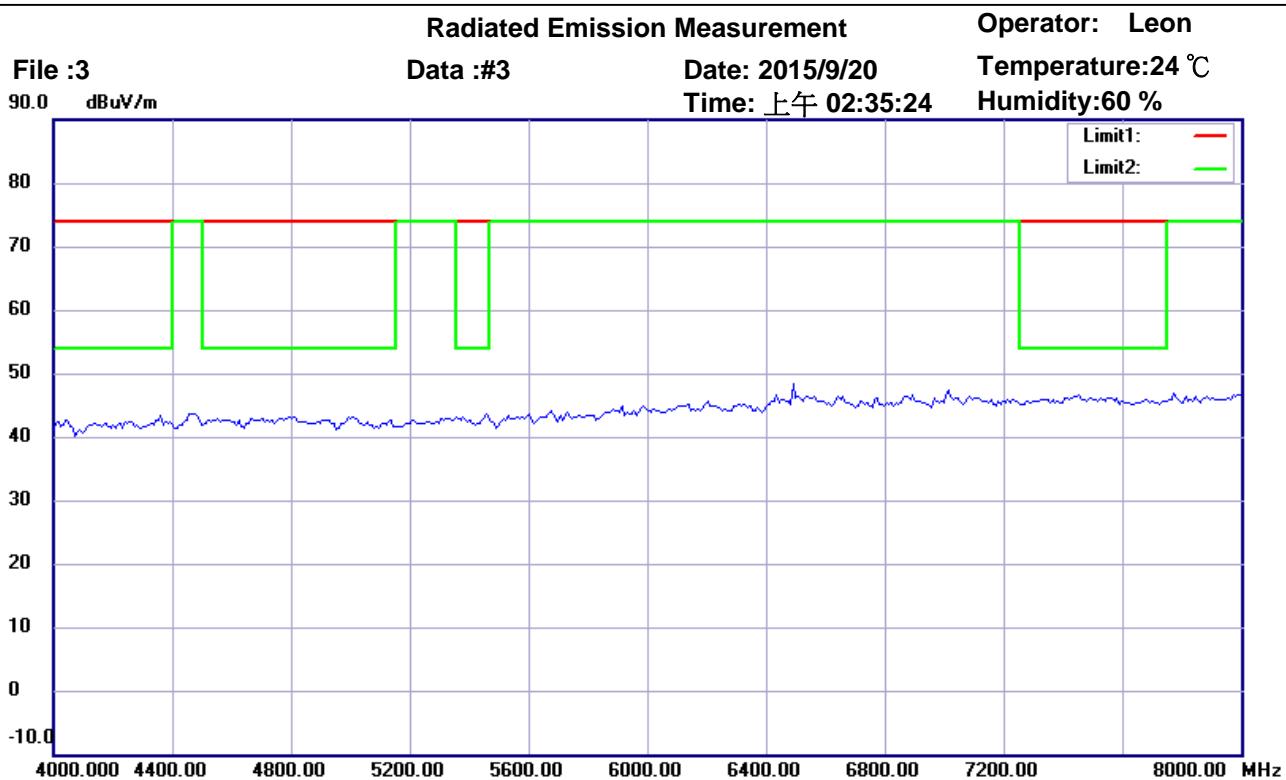
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2781.563	57.99	peak	-2.86	55.13	74.00	135	217	-18.87	
*	2781.563	55.78	AVG	-2.86	52.92	54.00	135	217	-1.08	
	3711.423	52.63	peak	-1.13	51.50	74.00	110	125	-22.50	



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Tel:+886-2-6606-8877  
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

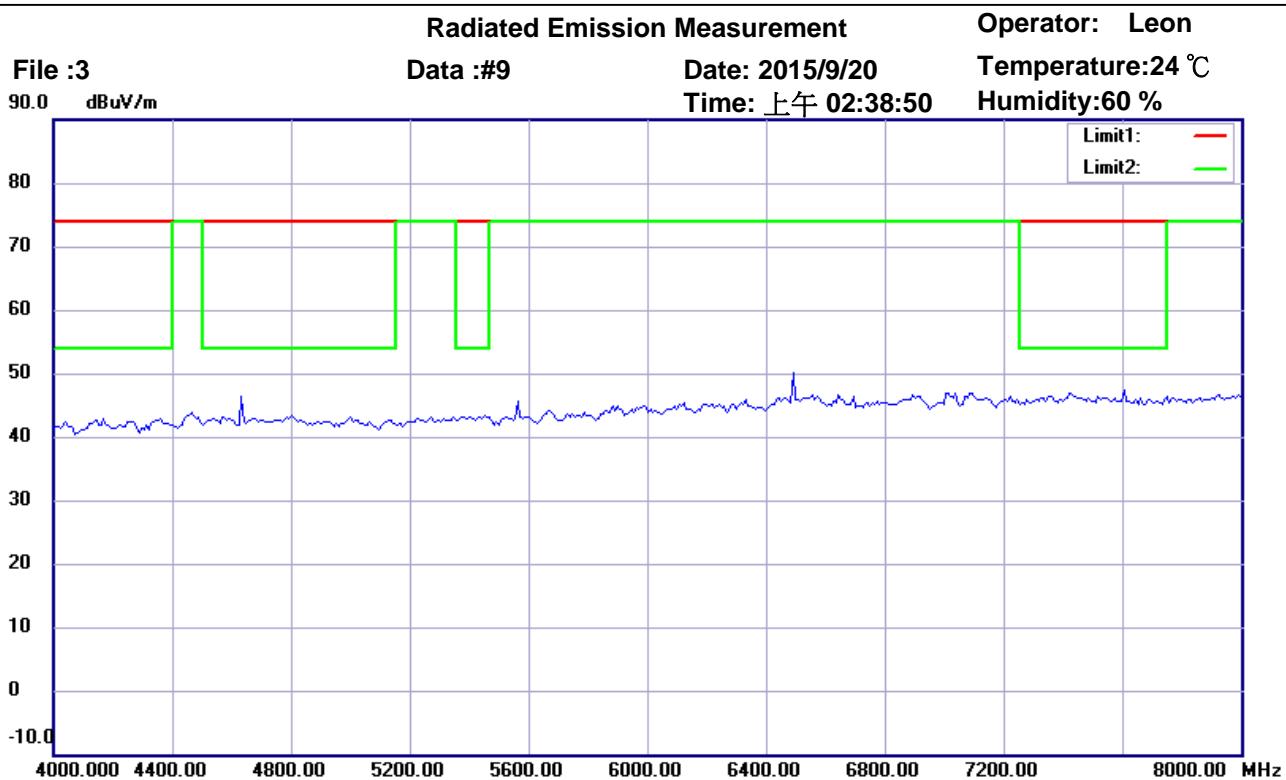
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

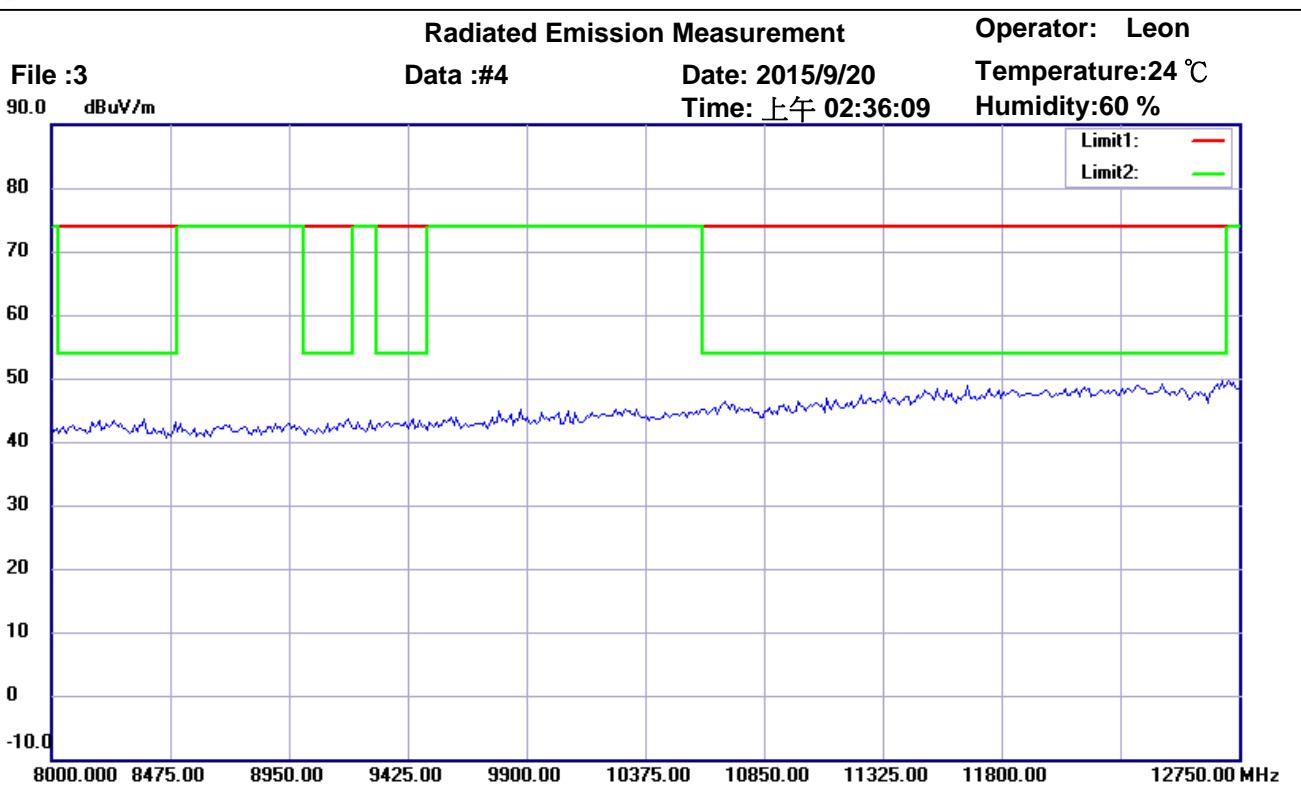
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

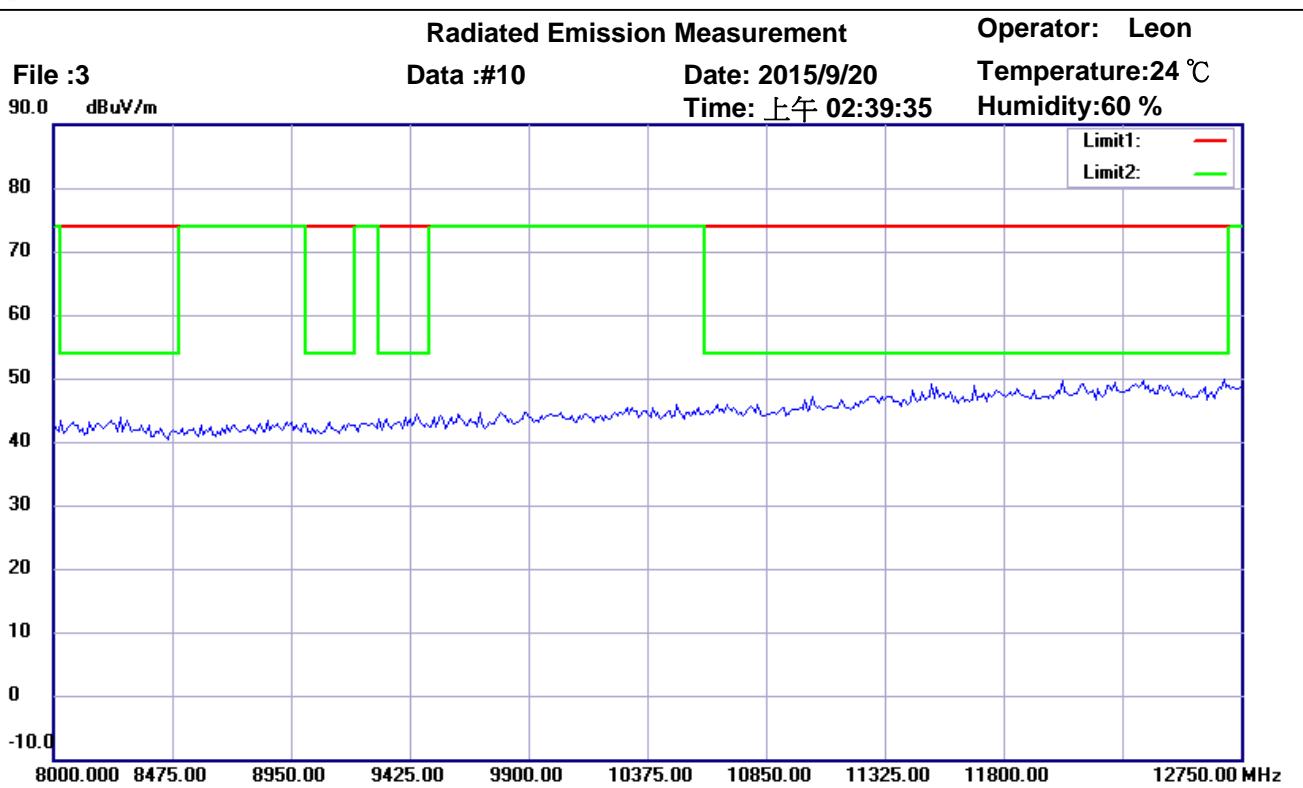
Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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Tel:+886-2-6606-8877  
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Site : Chamber

Condition : FCC Restriction Band\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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# Worldwide Testing Services(Taiwan) Co., Ltd.

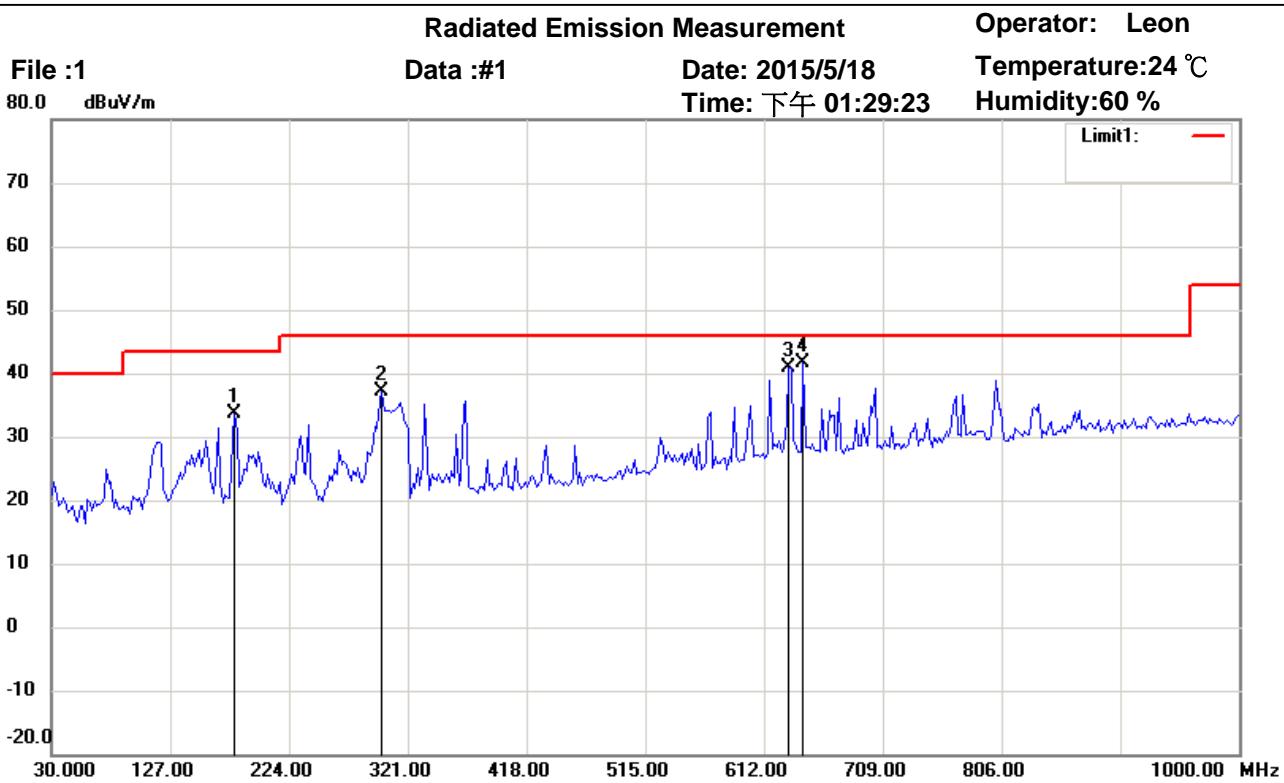
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

RX\_Antenna model: ANT800-US



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

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

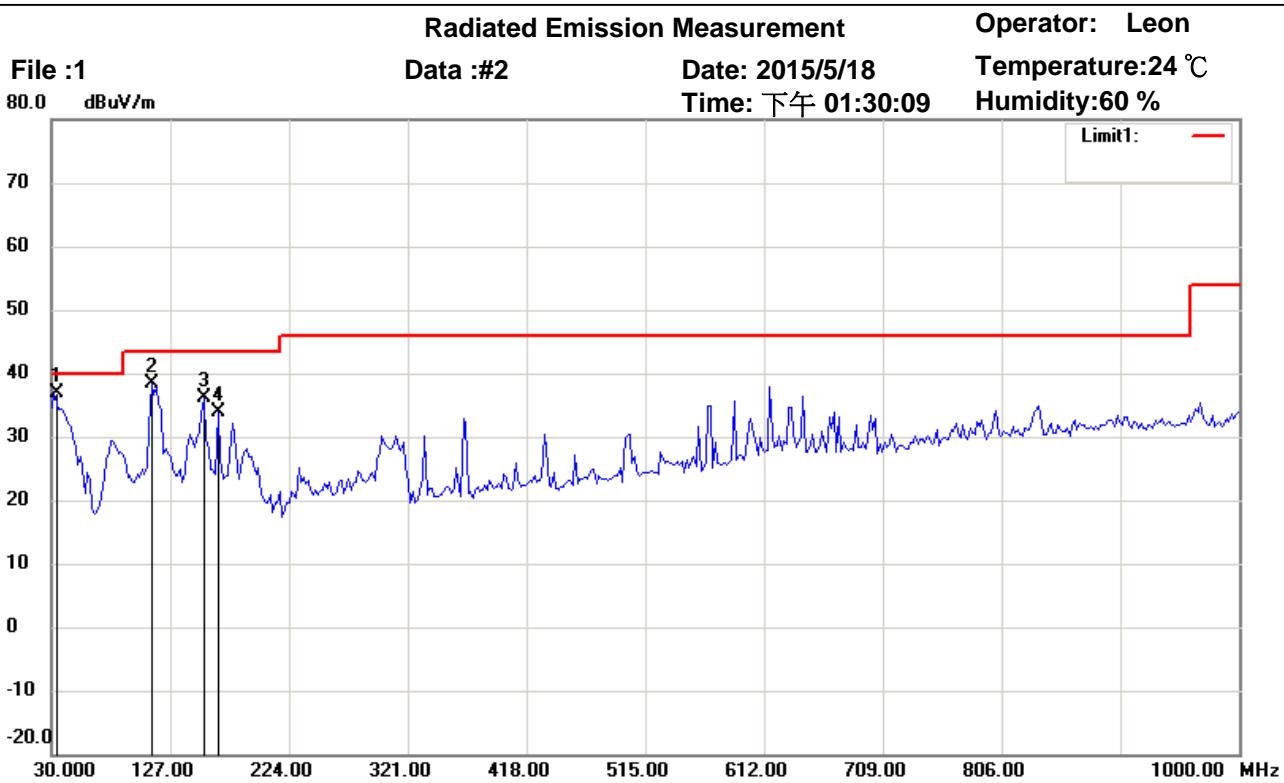
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	179.6793	19.96	peak	13.74	33.70	43.50	100	165	-9.80	
	300.2004	20.99	peak	16.04	37.03	46.00	100	35	-8.97	
	632.6051	16.69	peak	24.16	40.85	46.00	100	90	-5.15	
*	644.2685	17.18	peak	24.43	41.61	46.00	100	110	-4.39	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	31.9440	23.03	peak	13.84	36.87	40.00	100	95	-3.13	
	111.6433	24.90	peak	13.38	38.28	43.50	100	110	-5.22	
	154.4088	20.67	peak	15.50	36.17	43.50	100	145	-7.33	
	166.0721	18.57	peak	15.25	33.82	43.50	100	70	-9.68	



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Tel:+886-2-6606-8877  
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File :3

Radiated Emission Measurement

Operator: Leon

Data :#1

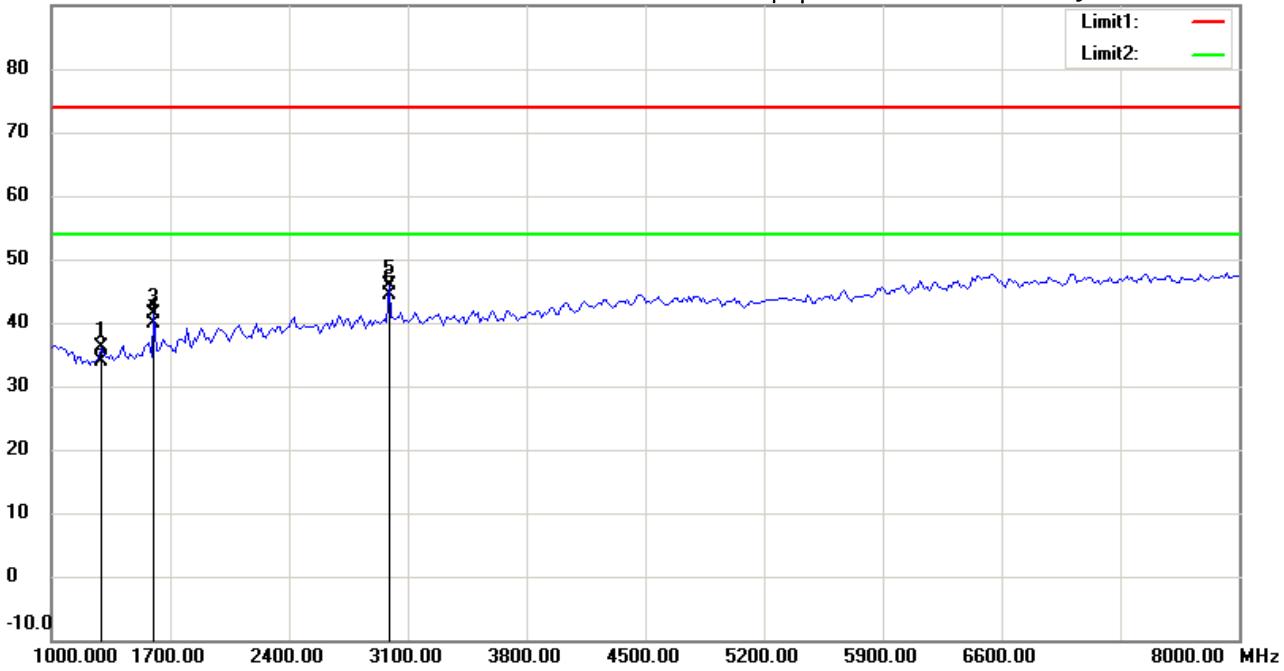
Date: 2015/5/15

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:37:52

Humidity:60 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1294.589	44.86	peak	-8.69	36.17	74.00	100	155	-37.83	
	1294.589	42.69	AVG	-8.69	34.00	54.00	100	155	-20.00	
	1603.206	49.10	peak	-7.75	41.35	74.00	100	230	-32.65	
	1603.206	47.63	AVG	-7.75	39.88	54.00	100	230	-14.12	
	2991.984	48.35	peak	-2.47	45.88	74.00	100	190	-28.12	
*	2991.984	46.75	AVG	-2.47	44.28	54.00	100	190	-9.72	



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File :3

90.0 dBuV/m

Radiated Emission Measurement

Data :#3

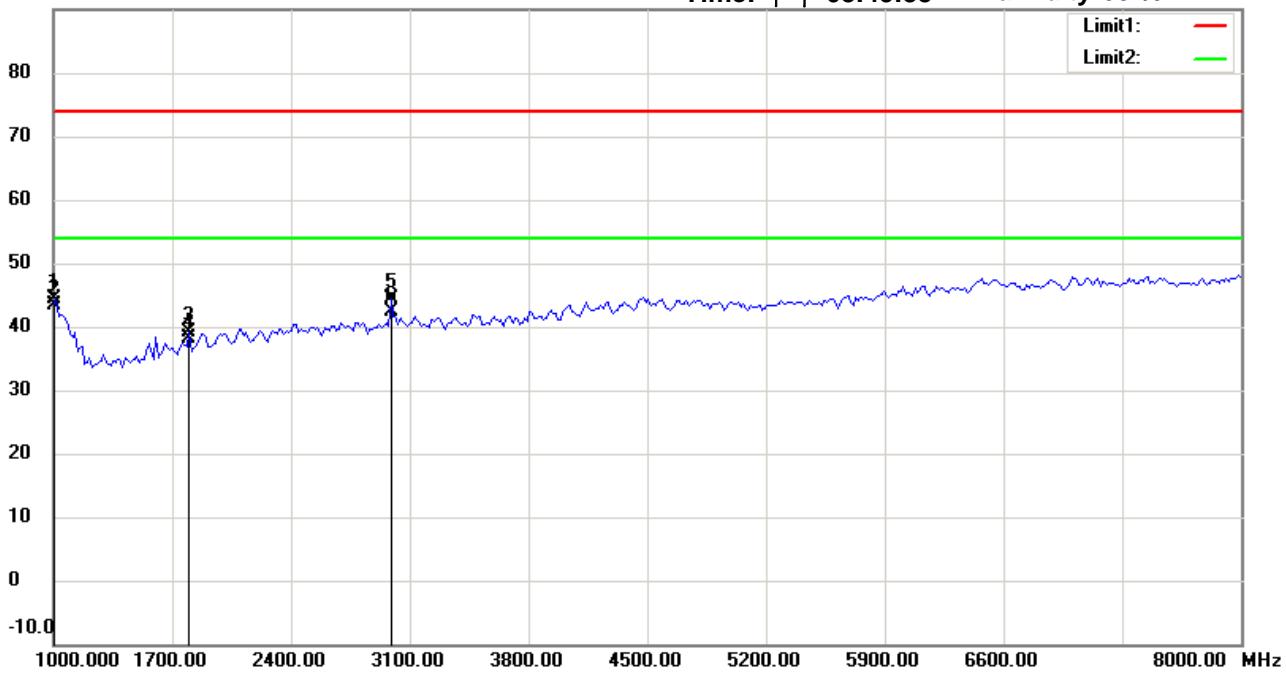
Date: 2015/5/15

Time: 下午 03:49:33

Operator: Leon

Temperature:24 °C

Humidity:60 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

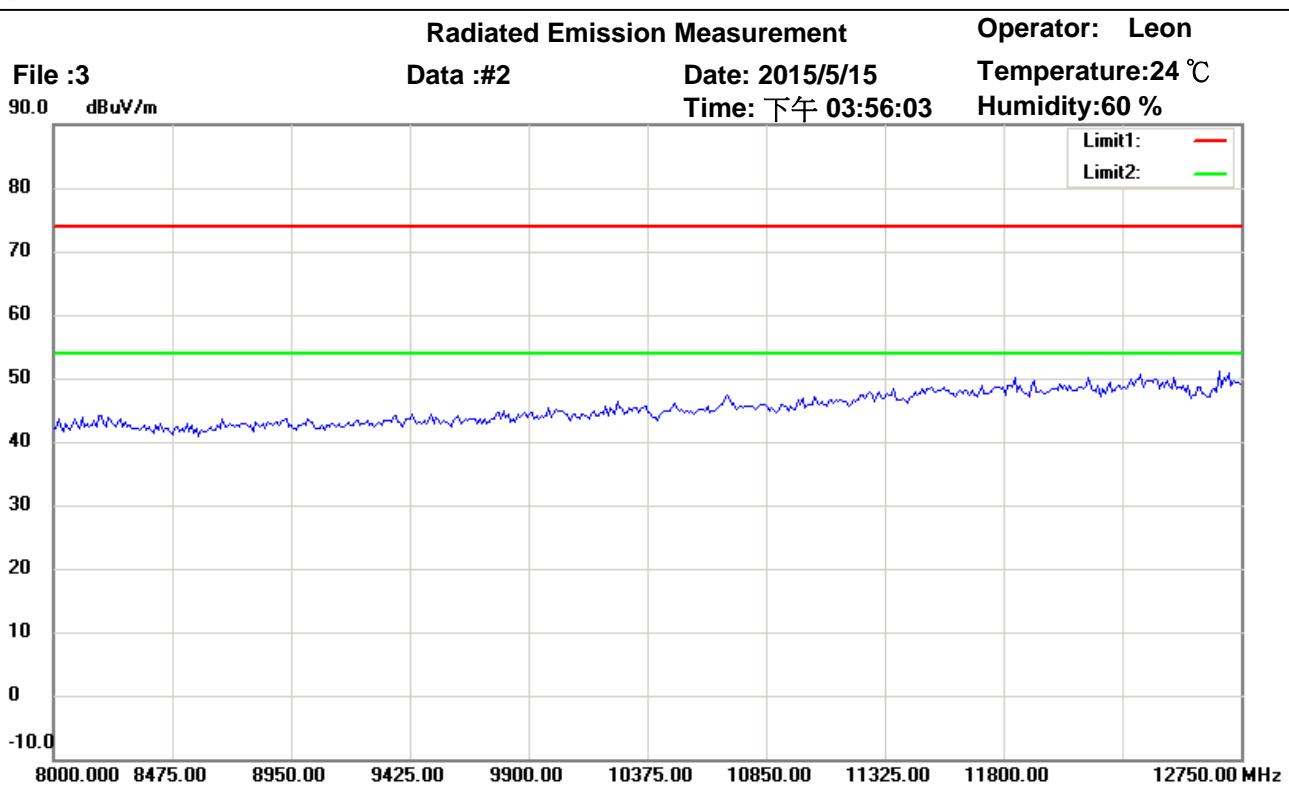
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1014.028	51.11	peak	-6.80	44.31	74.00	100	75	-29.69	
*	1014.028	50.14	AVG	-6.80	43.34	54.00	100	75	-10.66	
	1799.599	46.33	peak	-7.27	39.06	74.00	100	130	-34.94	
	1799.599	45.30	AVG	-7.27	38.03	54.00	100	130	-15.97	
	2991.984	46.76	peak	-2.47	44.29	74.00	100	210	-29.71	
	2991.984	44.91	AVG	-2.47	42.44	54.00	100	210	-11.56	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

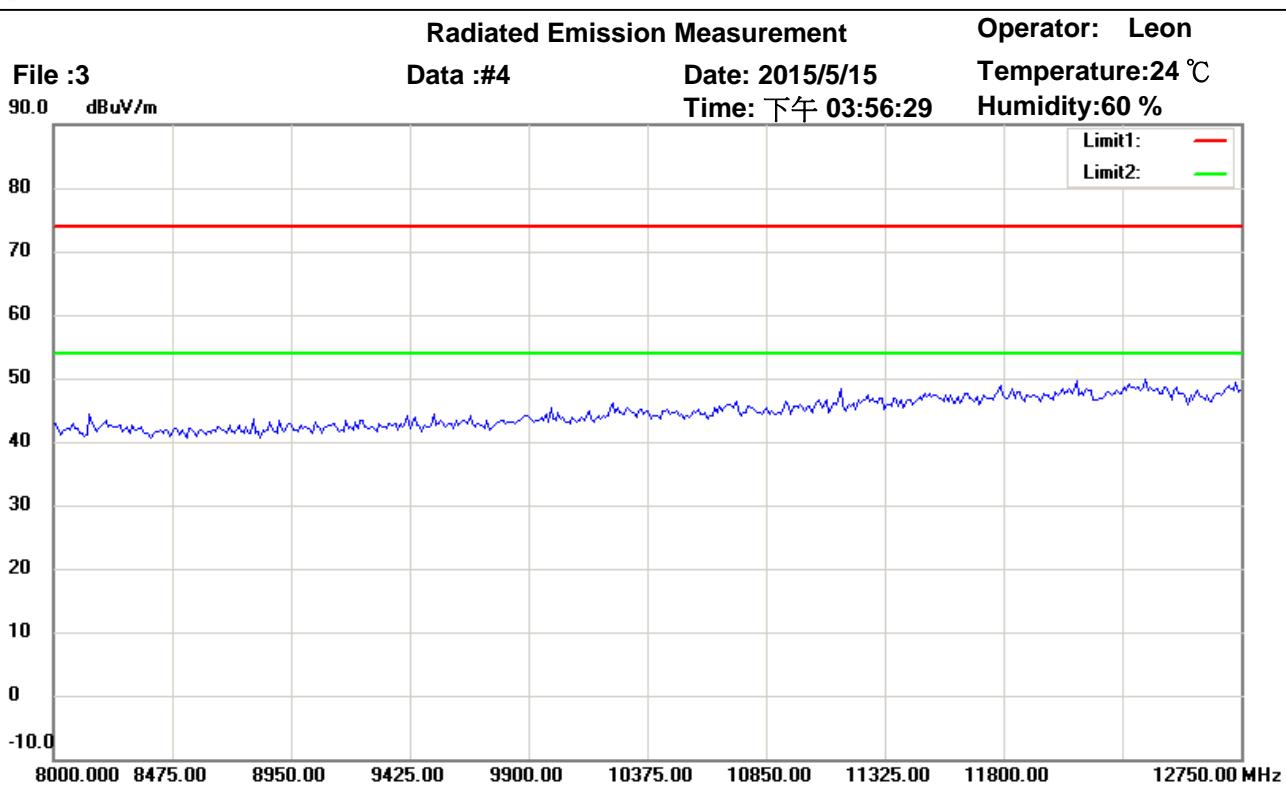
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

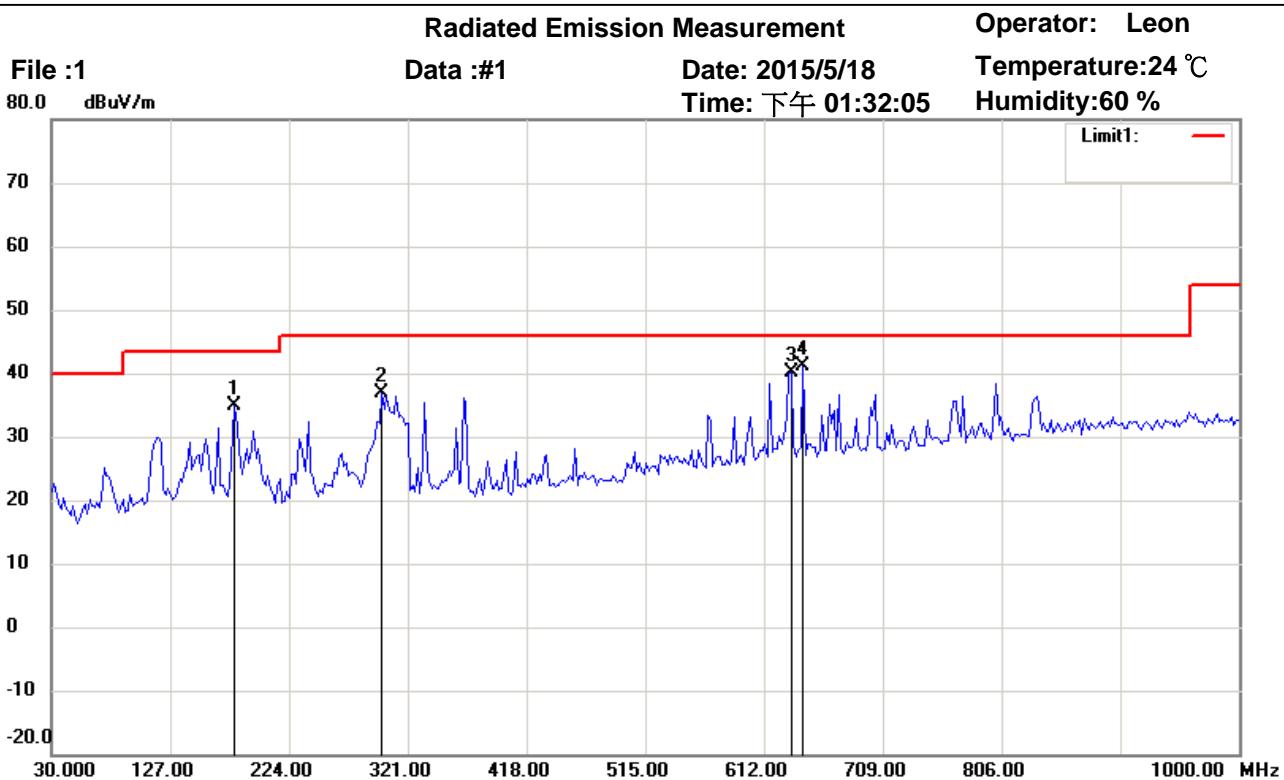
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

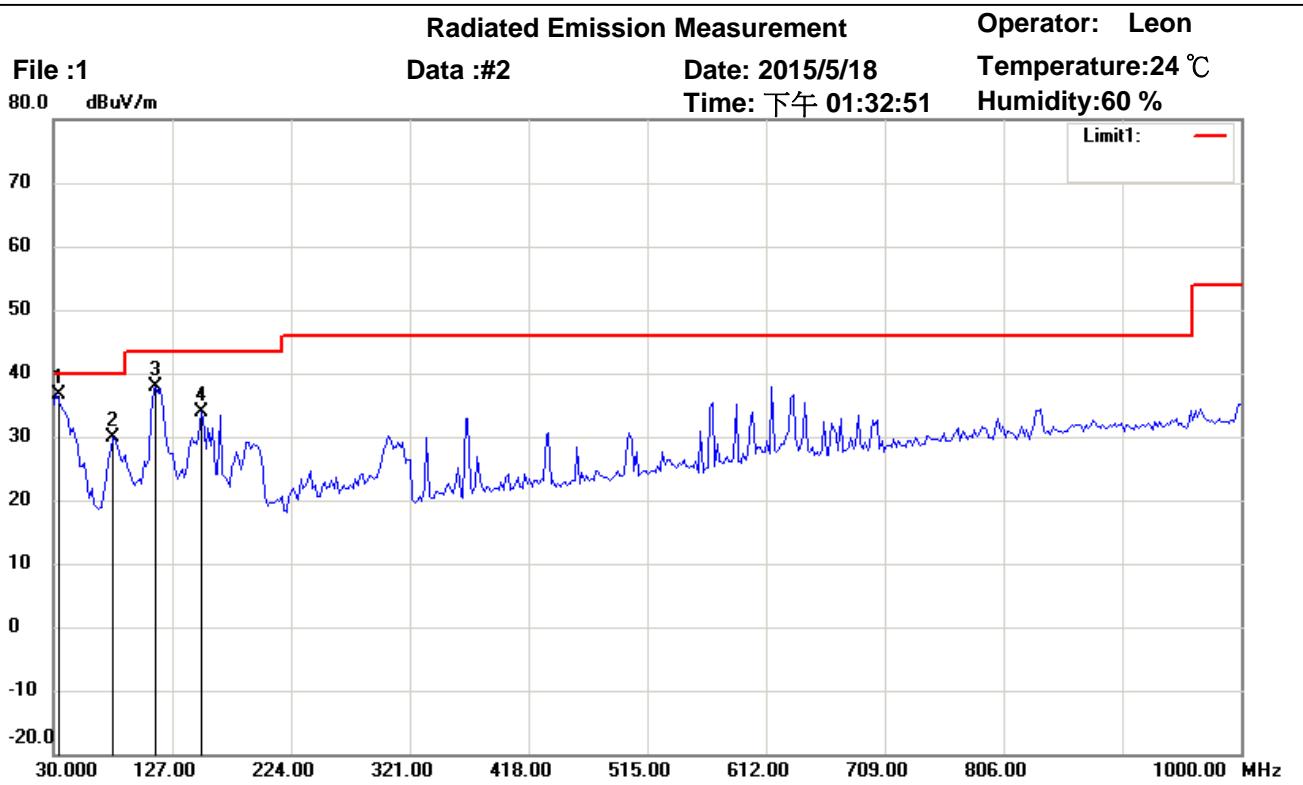
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	179.6793	21.24	peak	13.74	34.98	43.50	100	220	-8.52	
	300.2004	20.87	peak	16.04	36.91	46.00	100	170	-9.09	
	634.5490	16.03	peak	24.20	40.23	46.00	100	215	-5.77	
*	644.2685	16.61	peak	24.43	41.04	46.00	100	135	-4.96	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	31.9440	22.78	peak	13.84	36.62	40.00	100	75	-3.38	
	78.5972	19.59	peak	10.30	29.89	40.00	100	60	-10.11	
	113.5872	24.39	peak	13.52	37.91	43.50	100	110	-5.59	
	150.5210	18.42	peak	15.50	33.92	43.50	100	35	-9.58	



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File :3

Radiated Emission Measurement

Operator: Leon

Data :#1

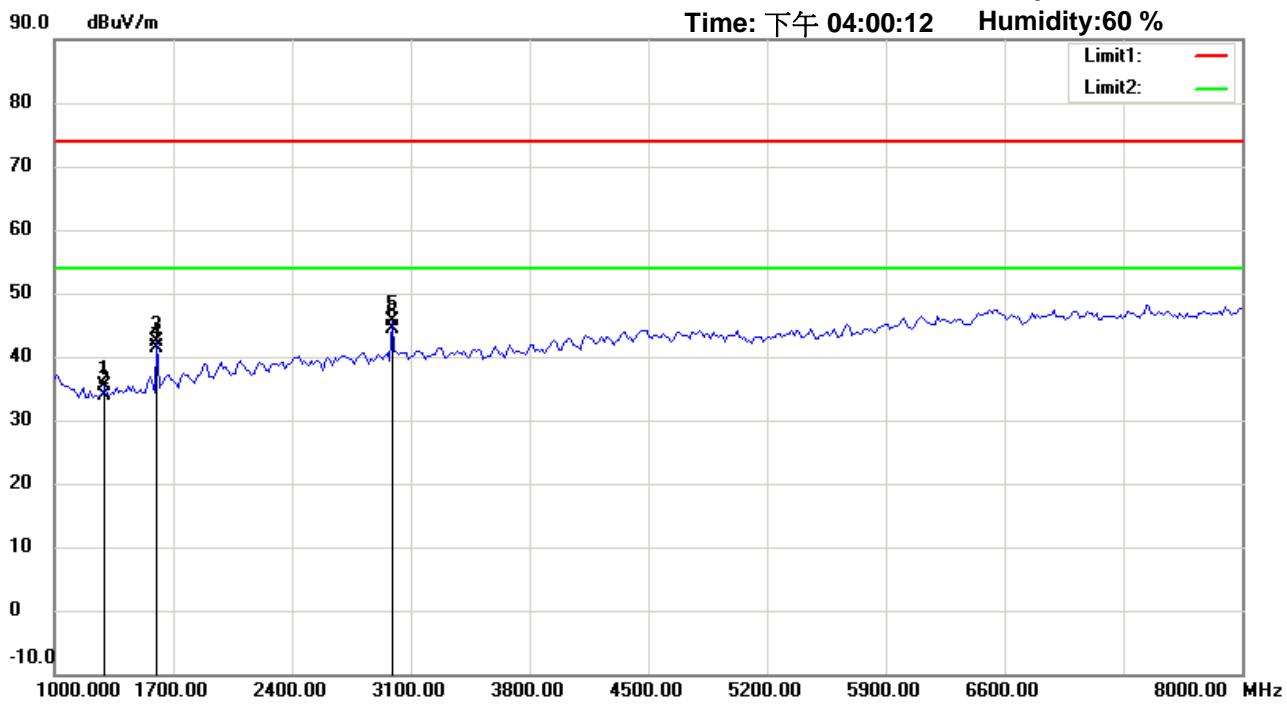
Date: 2015/5/15

Temperature:24 °C

Fax:+886-2-6606-8875

Time: 下午 04:00:12

Humidity:60 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

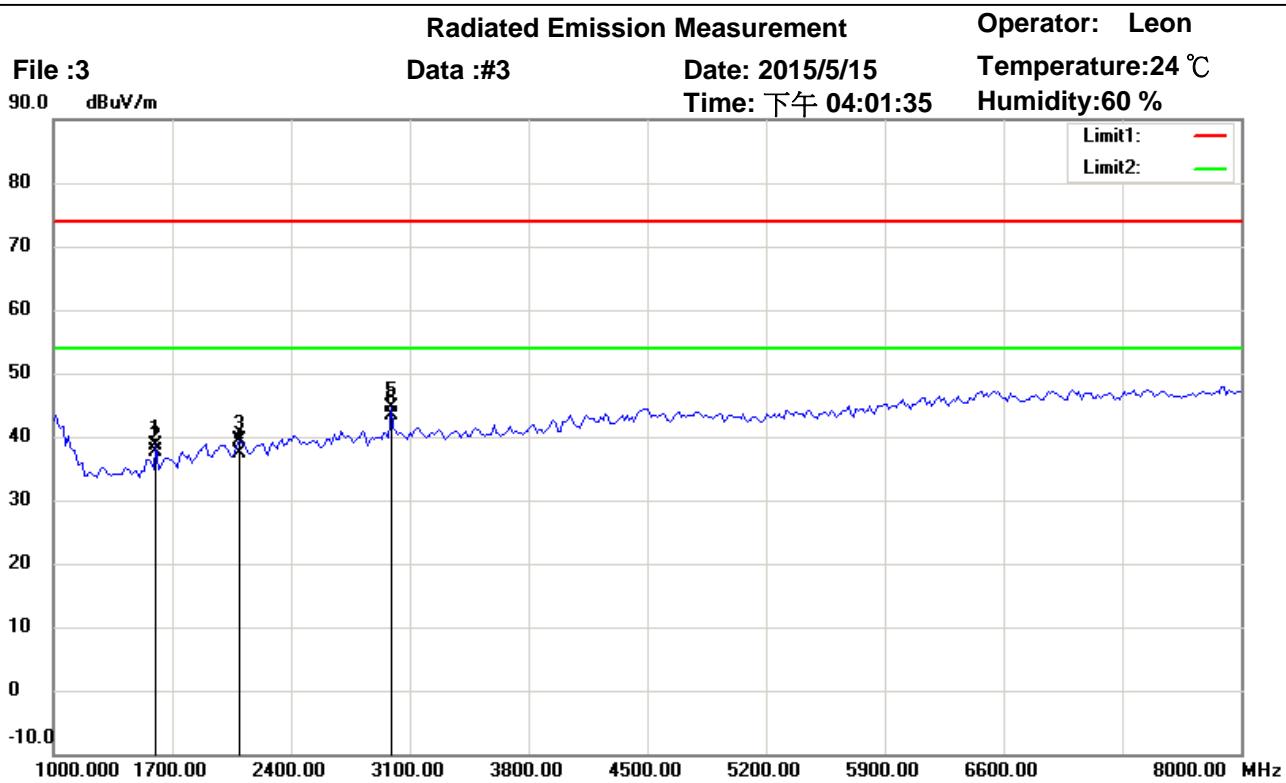
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1294.589	43.98	peak	-8.69	35.29	74.00	100	85	-38.71	
	1294.589	42.56	AVG	-8.69	33.87	54.00	100	85	-20.13	
	1603.206	50.20	peak	-7.75	42.45	74.00	100	110	-31.55	
	1603.206	49.11	AVG	-7.75	41.36	54.00	100	110	-12.64	
	2991.984	48.00	peak	-2.47	45.53	74.00	100	175	-28.47	
*	2991.984	46.79	AVG	-2.47	44.32	54.00	100	175	-9.68	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

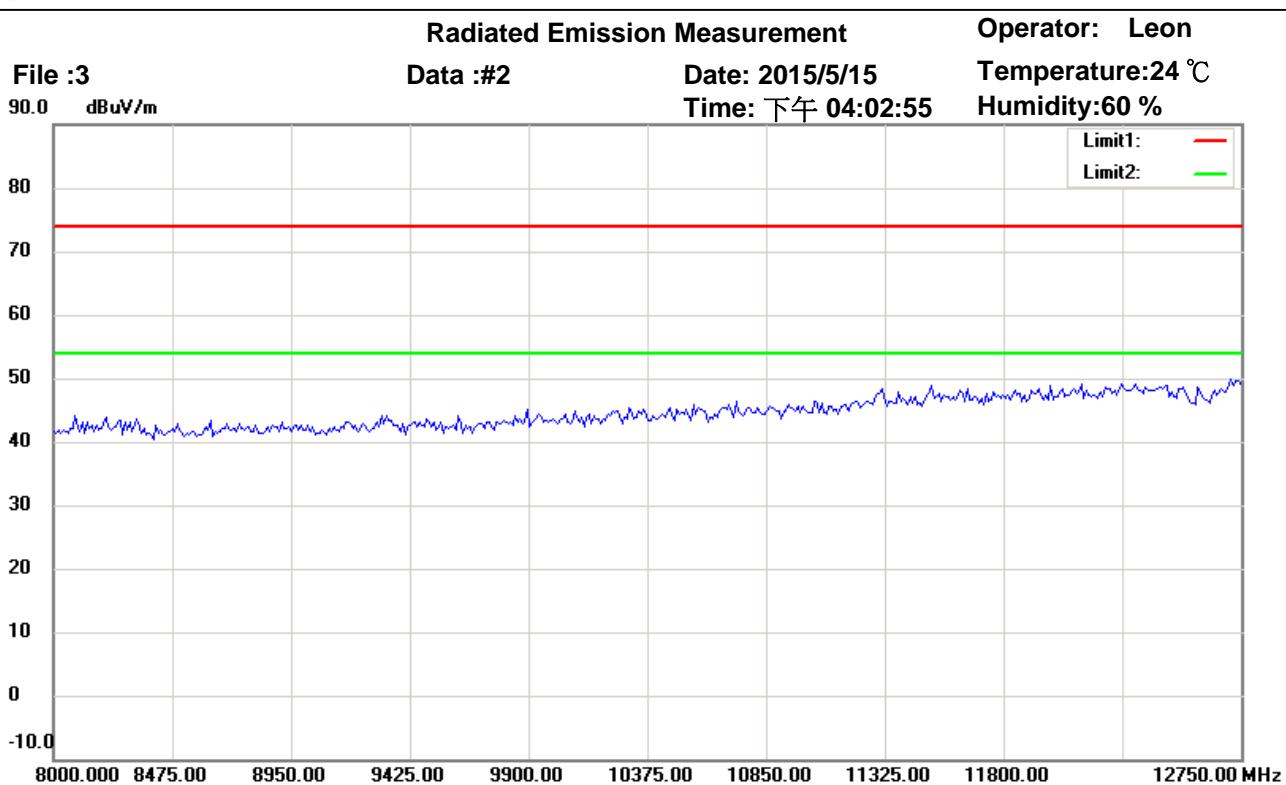
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1603.206	46.41	peak	-7.75	38.66	74.00	100	145	-35.34	
	1603.206	45.33	AVG	-7.75	37.58	54.00	100	145	-16.42	
	2094.188	44.76	peak	-5.35	39.41	74.00	100	130	-34.59	
	2094.188	42.71	AVG	-5.35	37.36	54.00	100	130	-16.64	
	2991.984	47.07	peak	-2.47	44.60	74.00	100	90	-29.40	
*	2991.984	45.73	AVG	-2.47	43.26	54.00	100	90	-10.74	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

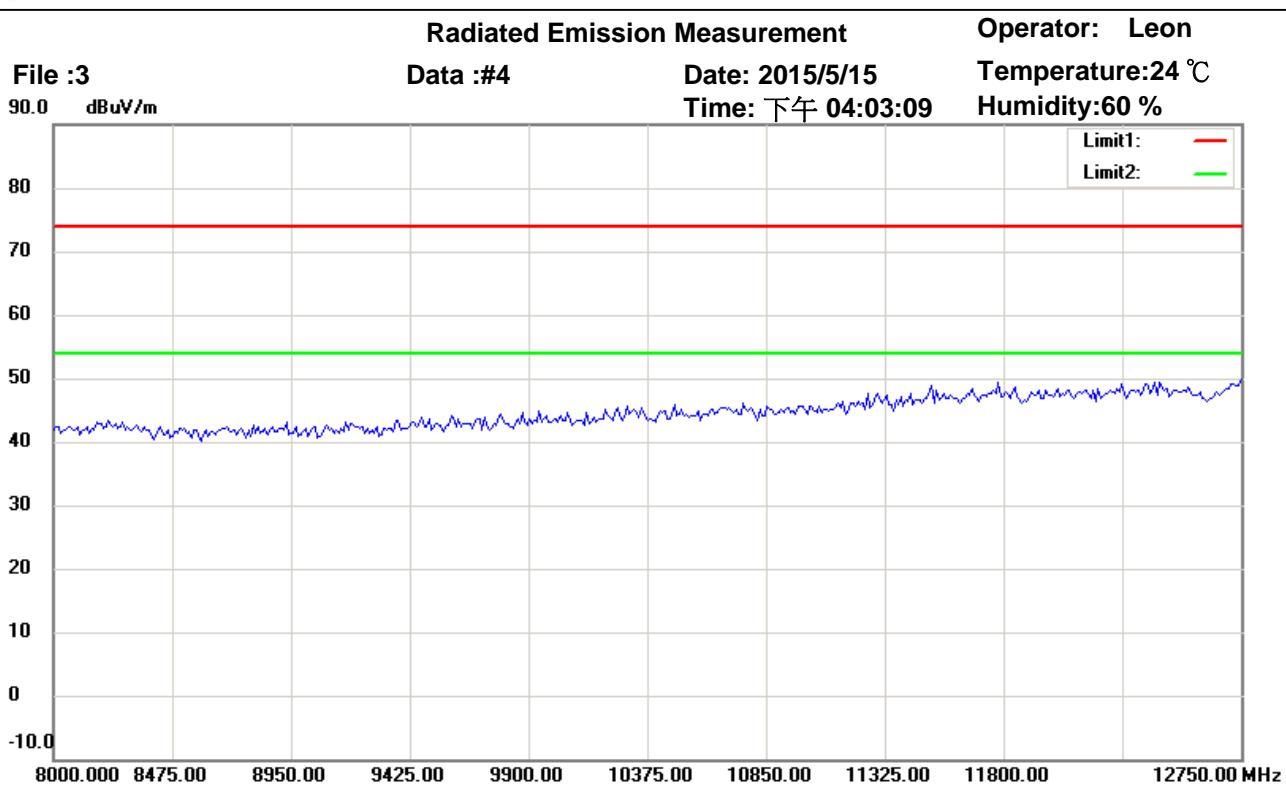
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

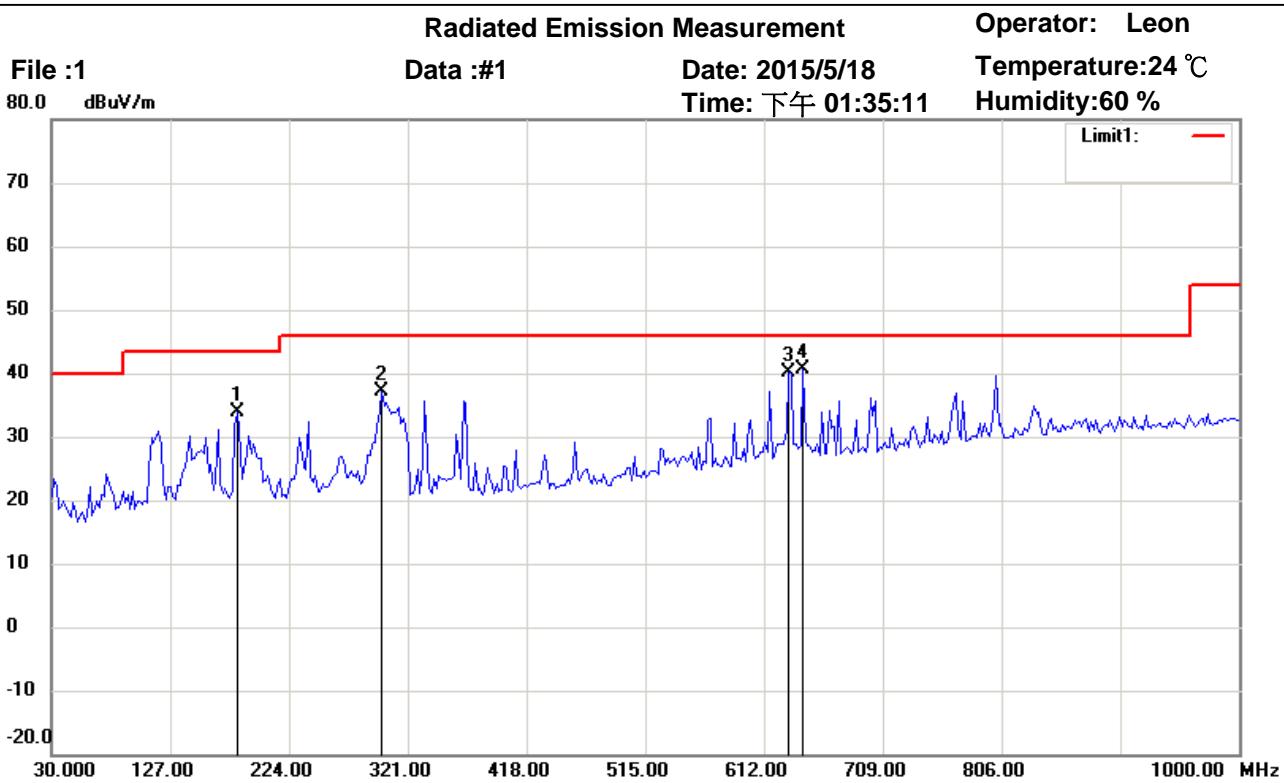
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	181.6231	20.38	peak	13.53	33.91	43.50	100	145	-9.59	
	300.2004	21.18	peak	16.04	37.22	46.00	100	110	-8.78	
	632.6051	16.03	peak	24.16	40.19	46.00	100	90	-5.81	
*	644.2685	16.16	peak	24.43	40.59	46.00	100	75	-5.41	



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: Leon

File :1

Data :#2

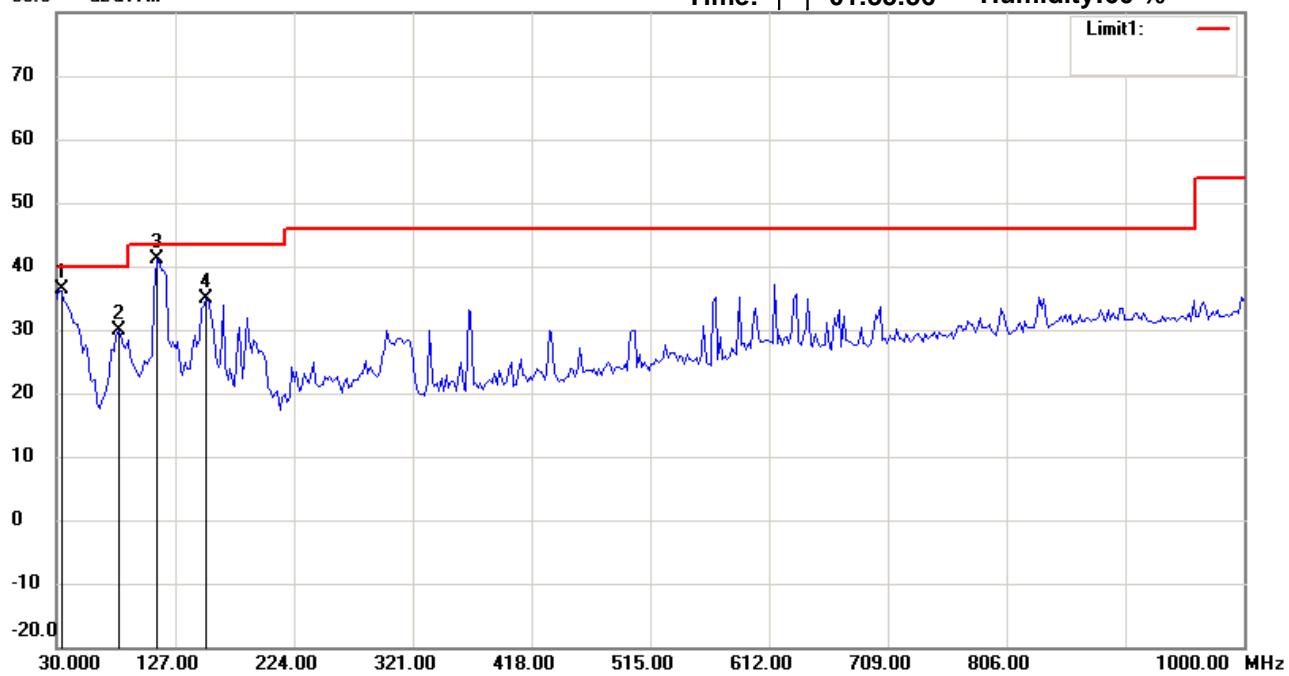
Date: 2015/5/18

Temperature:24 °C

80.0 dBuV/m

Time: 下午 01:35:56

Humidity:60 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

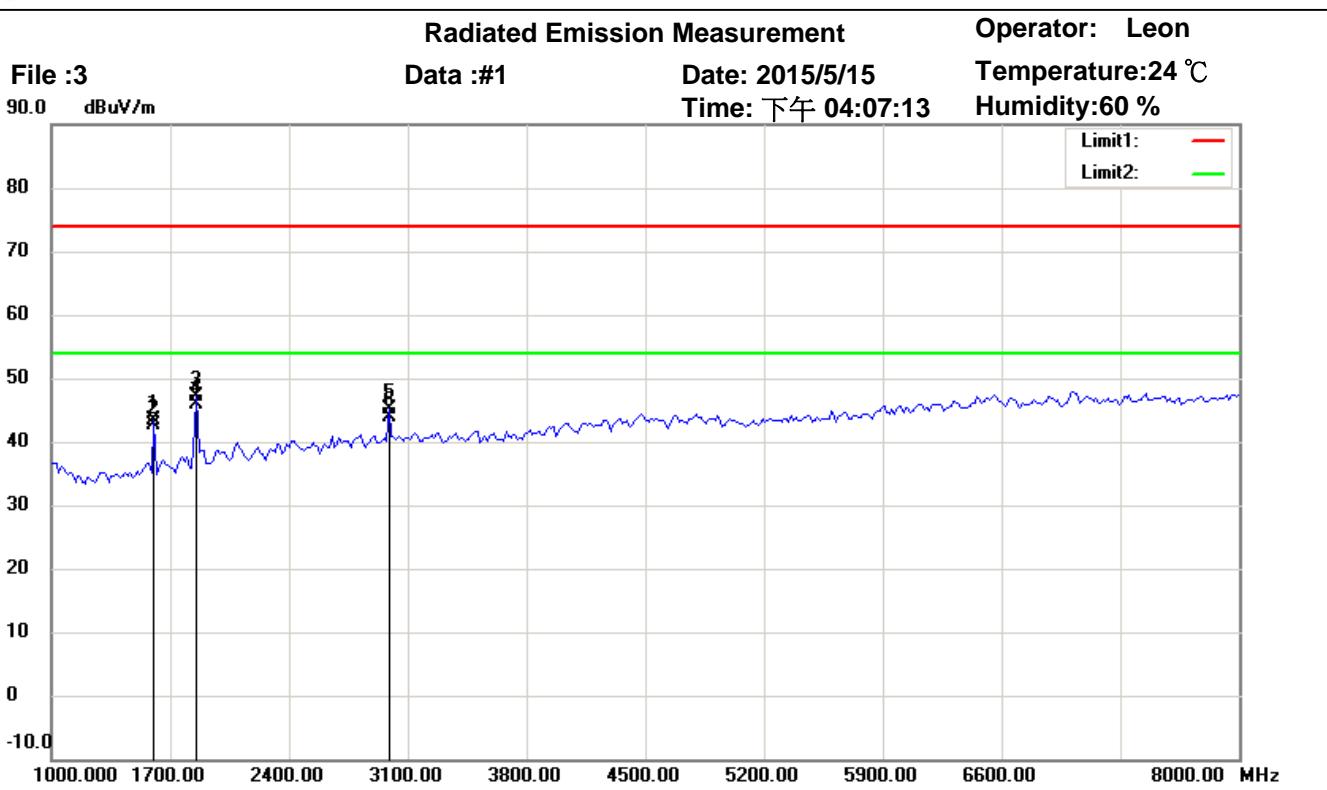
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	31.9440	22.63	peak	13.84	36.47	40.00	100	220	-3.53	
	80.5411	19.96	peak	9.97	29.93	40.00	100	175	-10.07	
*	111.6433	27.64	peak	13.38	41.02	43.50	100	165	-2.48	
	152.4648	19.33	peak	15.50	34.83	43.50	100	40	-8.67	



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



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

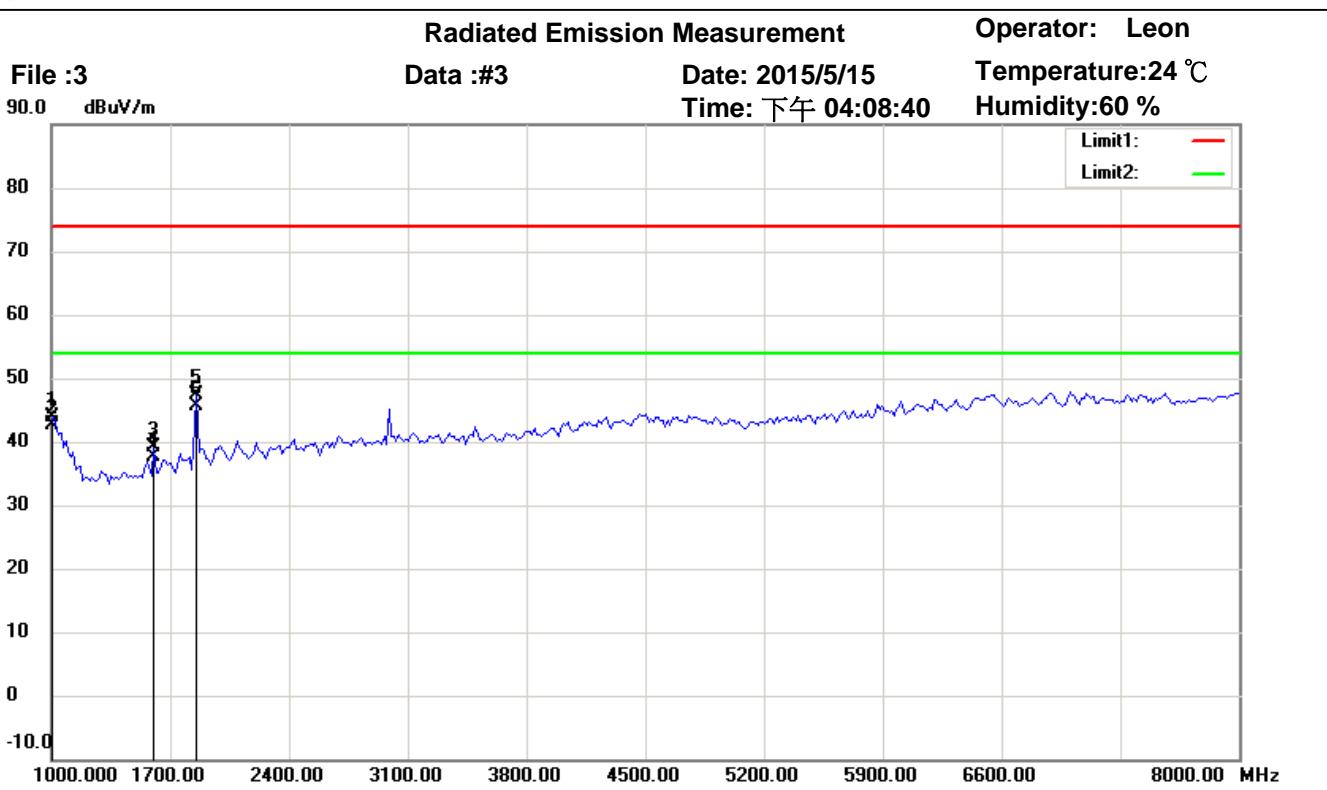
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1603.206	51.13	peak	-7.75	43.38	74.00	100	235	-30.62	
	1603.206	50.33	AVG	-7.75	42.58	54.00	100	235	-11.42	
	1855.711	53.64	peak	-6.56	47.08	74.00	100	160	-26.92	
*	1855.711	52.46	AVG	-6.56	45.90	54.00	100	160	-8.10	
	2991.984	47.69	peak	-2.47	45.22	74.00	100	120	-28.78	
	2991.984	46.25	AVG	-2.47	43.78	54.00	100	120	-10.22	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

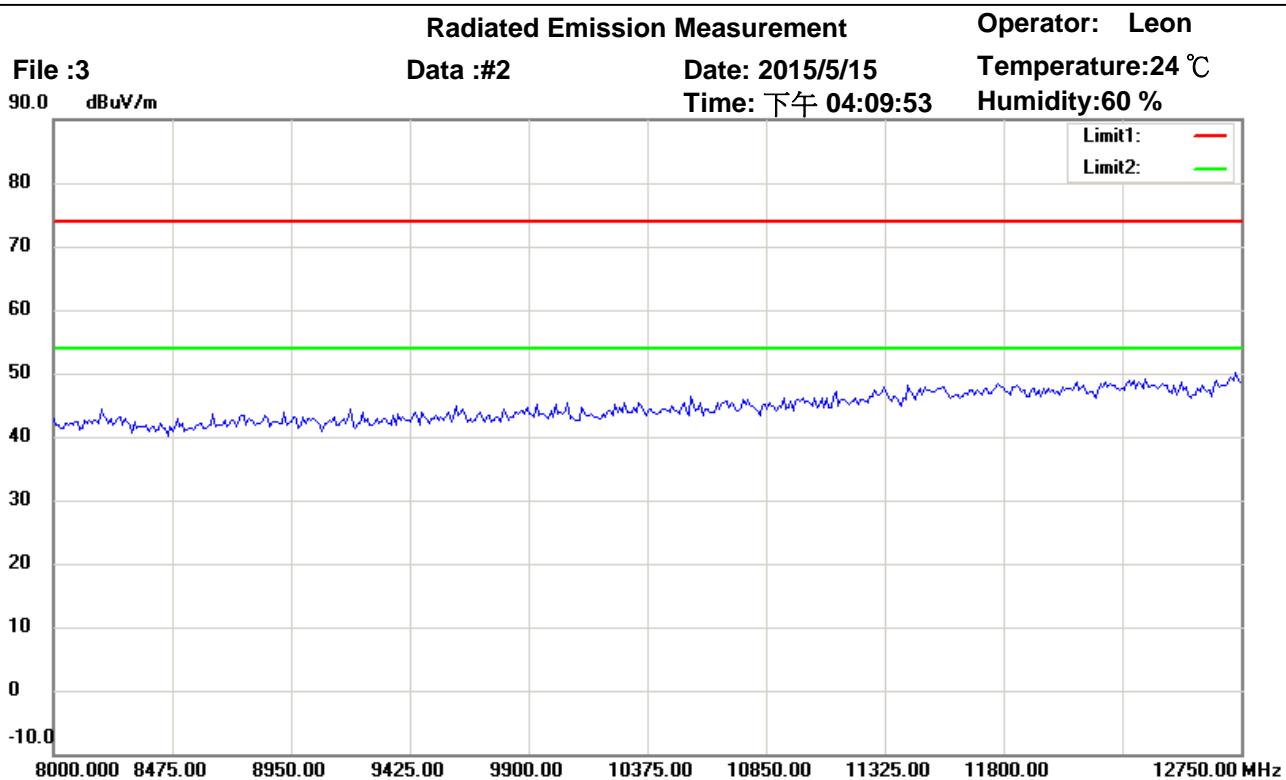
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1014.028	50.73	peak	-6.80	43.93	74.00	100	75	-30.07	
	1014.028	49.51	AVG	-6.80	42.71	54.00	100	75	-11.29	
	1603.206	46.78	peak	-7.75	39.03	74.00	100	120	-34.97	
	1603.206	45.36	AVG	-7.75	37.61	54.00	100	120	-16.39	
	1855.711	53.84	peak	-6.56	47.28	74.00	100	165	-26.72	
*	1855.711	52.17	AVG	-6.56	45.61	54.00	100	165	-8.39	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

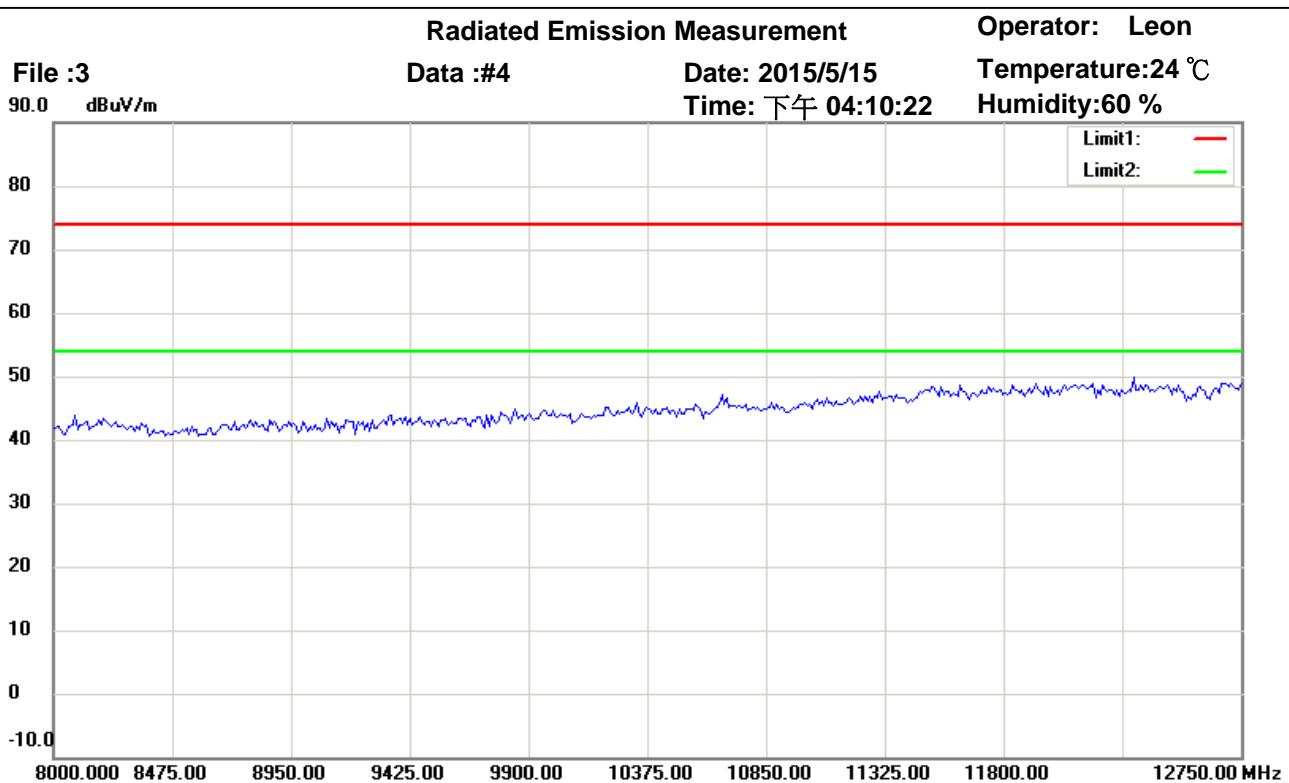
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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# Worldwide Testing Services(Taiwan) Co., Ltd.

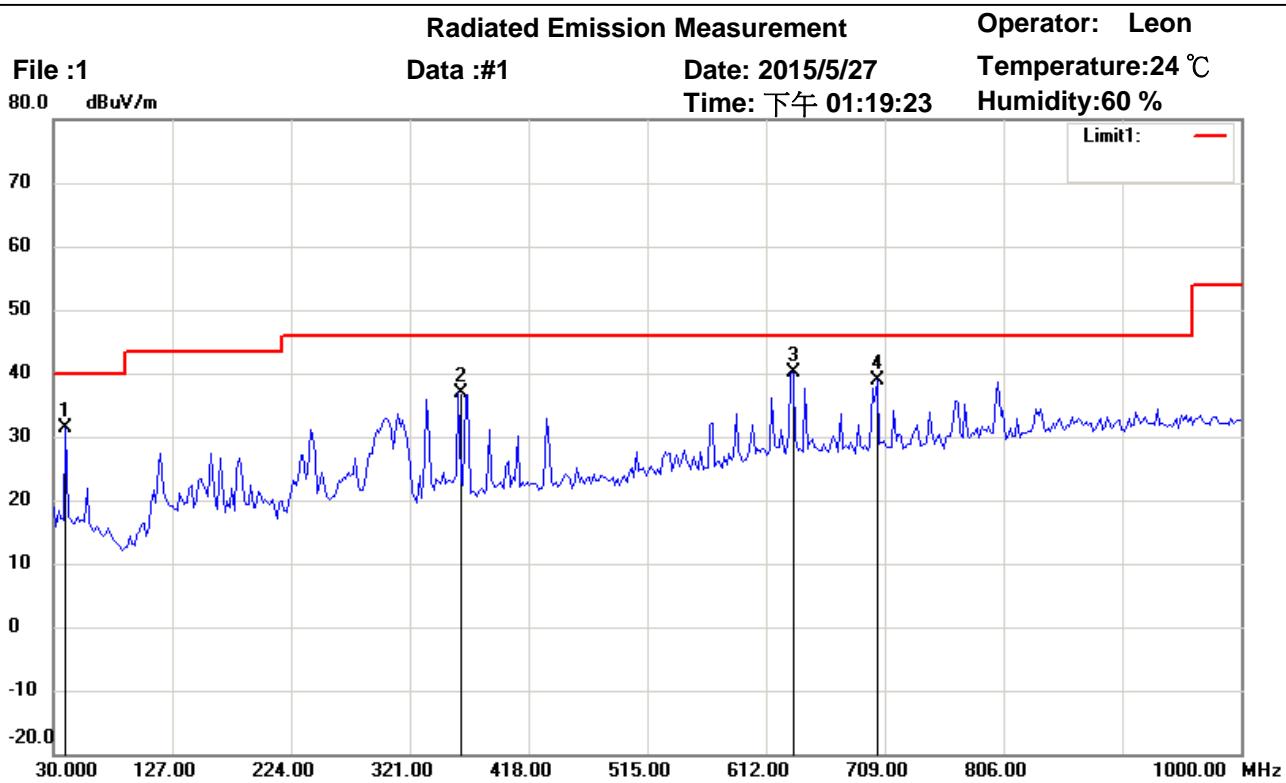
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

RX\_Antenna model: PWD100



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

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

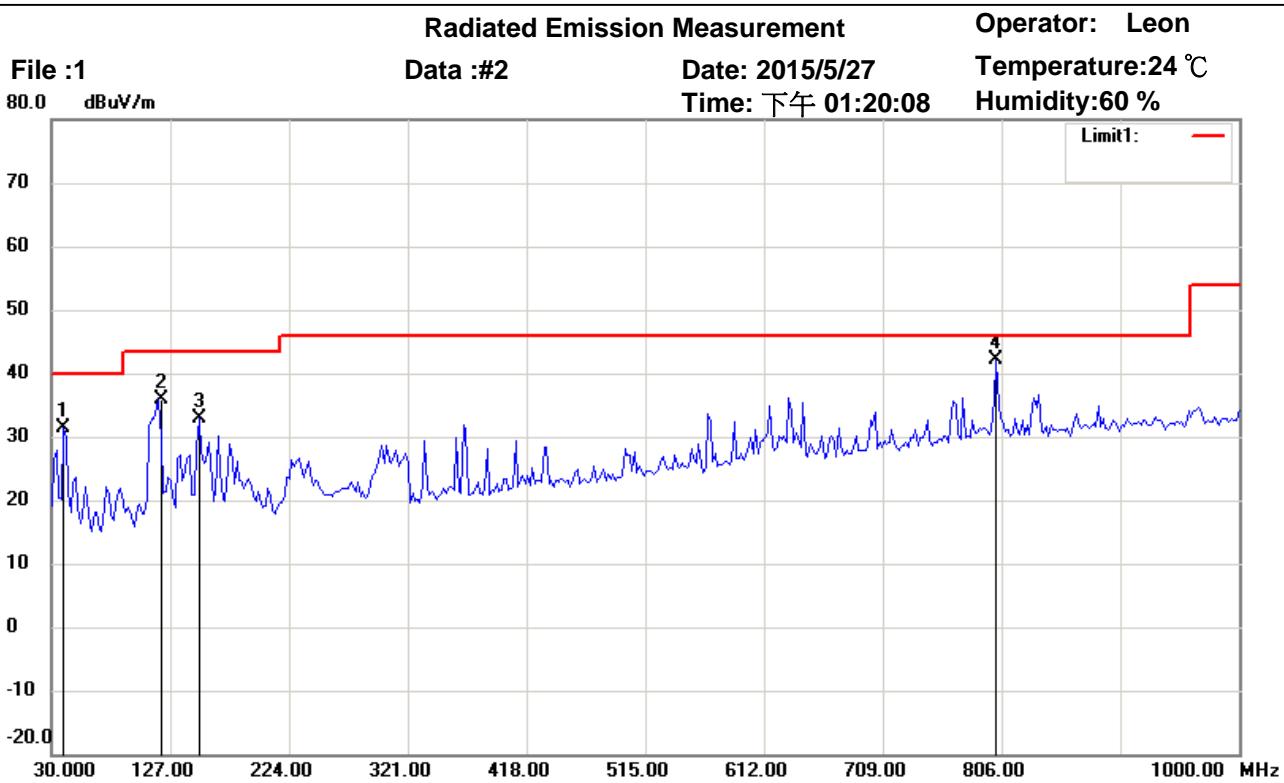
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	39.7194	16.76	peak	14.56	31.32	40.00	100	145	-8.68	
	360.4610	19.17	peak	17.63	36.80	46.00	100	110	-9.20	
*	634.5490	15.93	peak	24.20	40.13	46.00	100	75	-5.87	
	702.5852	13.72	peak	25.26	38.98	46.00	100	150	-7.02	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: Vertical

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

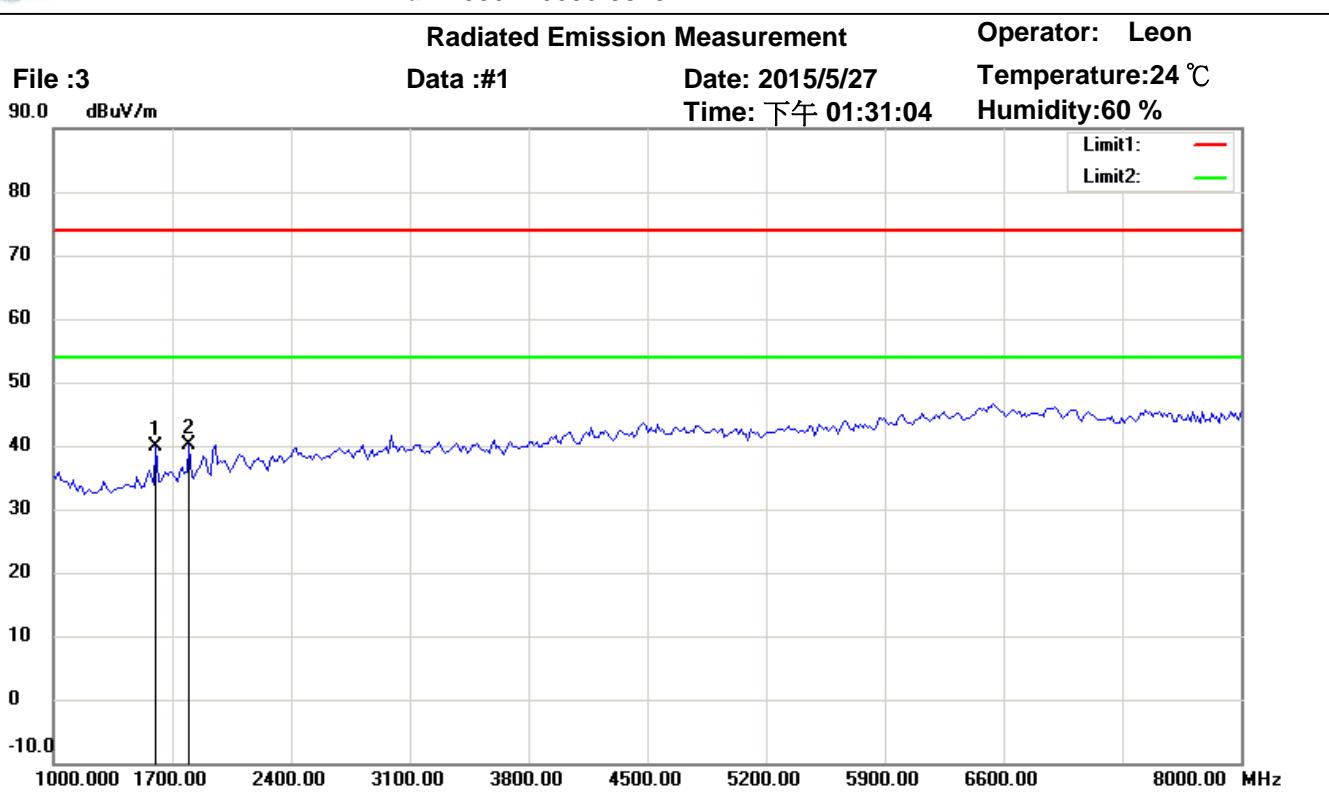
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	39.7194	16.88	peak	14.56	31.44	40.00	100	60	-8.56	
	117.4750	22.07	peak	13.80	35.87	43.50	100	90	-7.63	
	150.5210	17.40	peak	15.50	32.90	43.50	100	35	-10.60	
*	801.7234	15.40	peak	26.63	42.03	46.00	100	85	-3.97	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

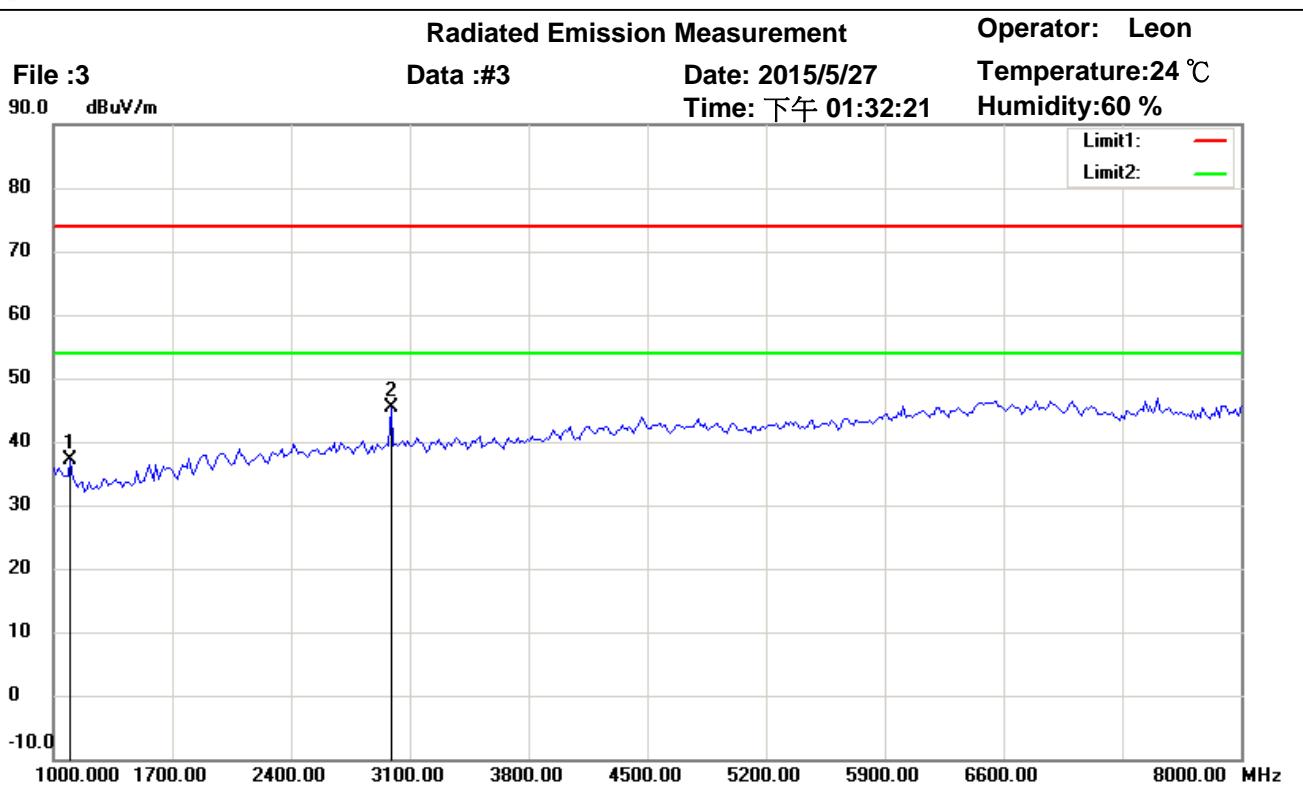
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1603.206	47.68	peak	-7.75	39.93	74.00	100	95	-34.07	
*	1799.599	47.34	peak	-7.27	40.07	74.00	100	160	-33.93	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: Vertical

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

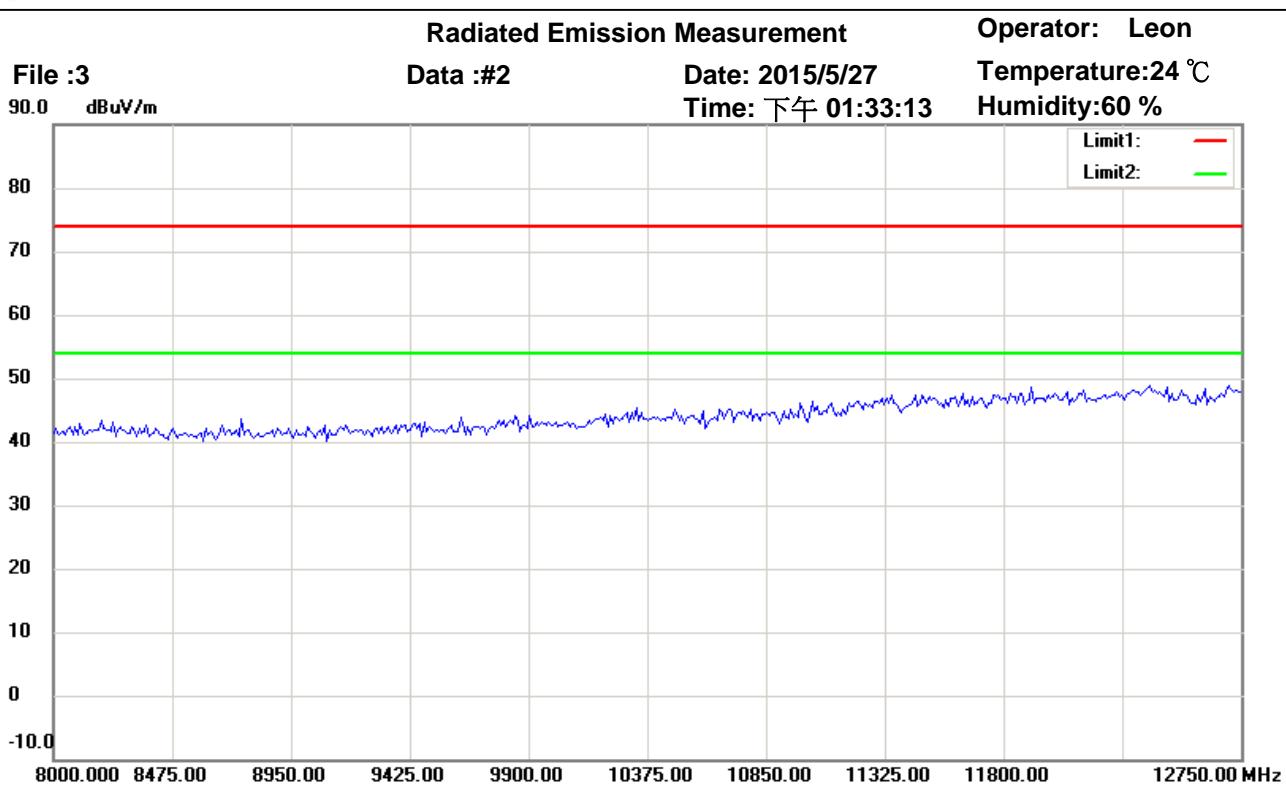
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1098.196	45.63	peak	-8.45	37.18	74.00	100	140	-36.82	
*	2991.984	47.95	peak	-2.47	45.48	74.00	100	130	-28.52	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

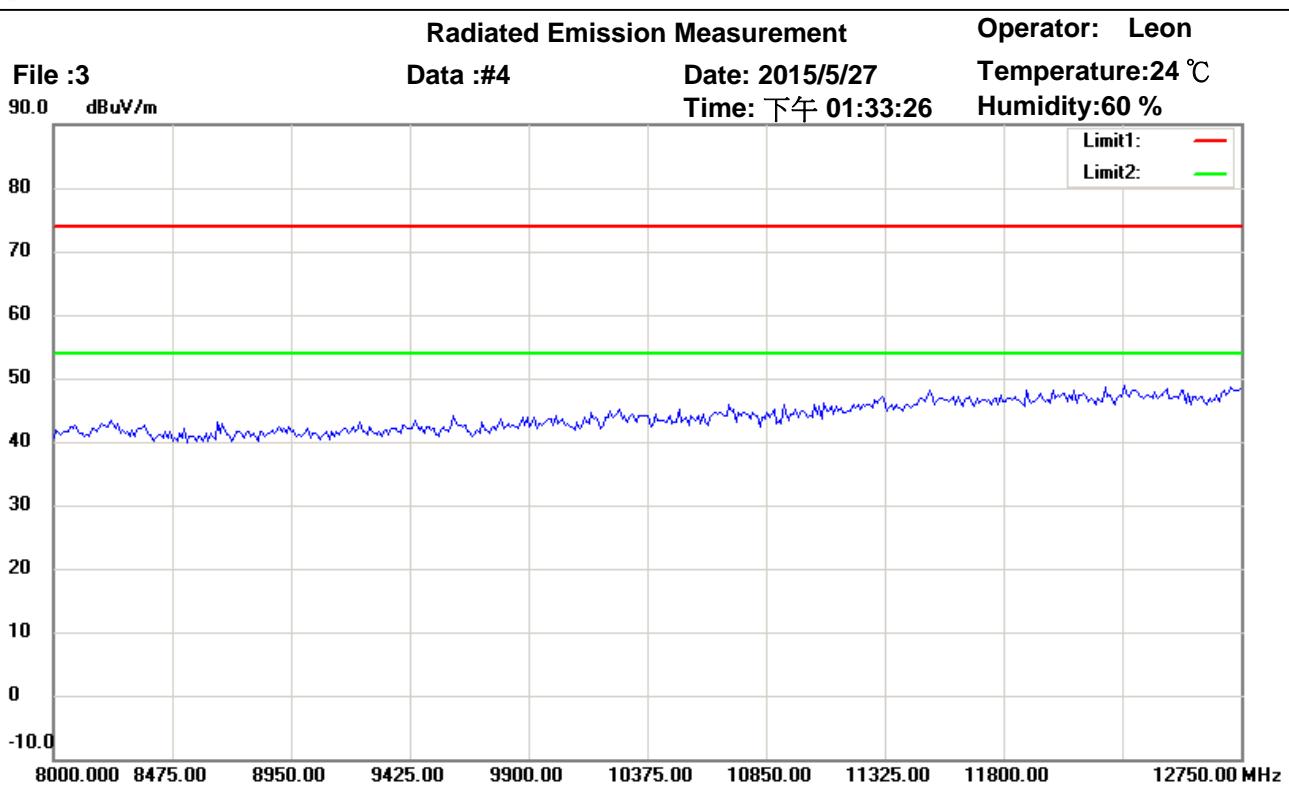
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

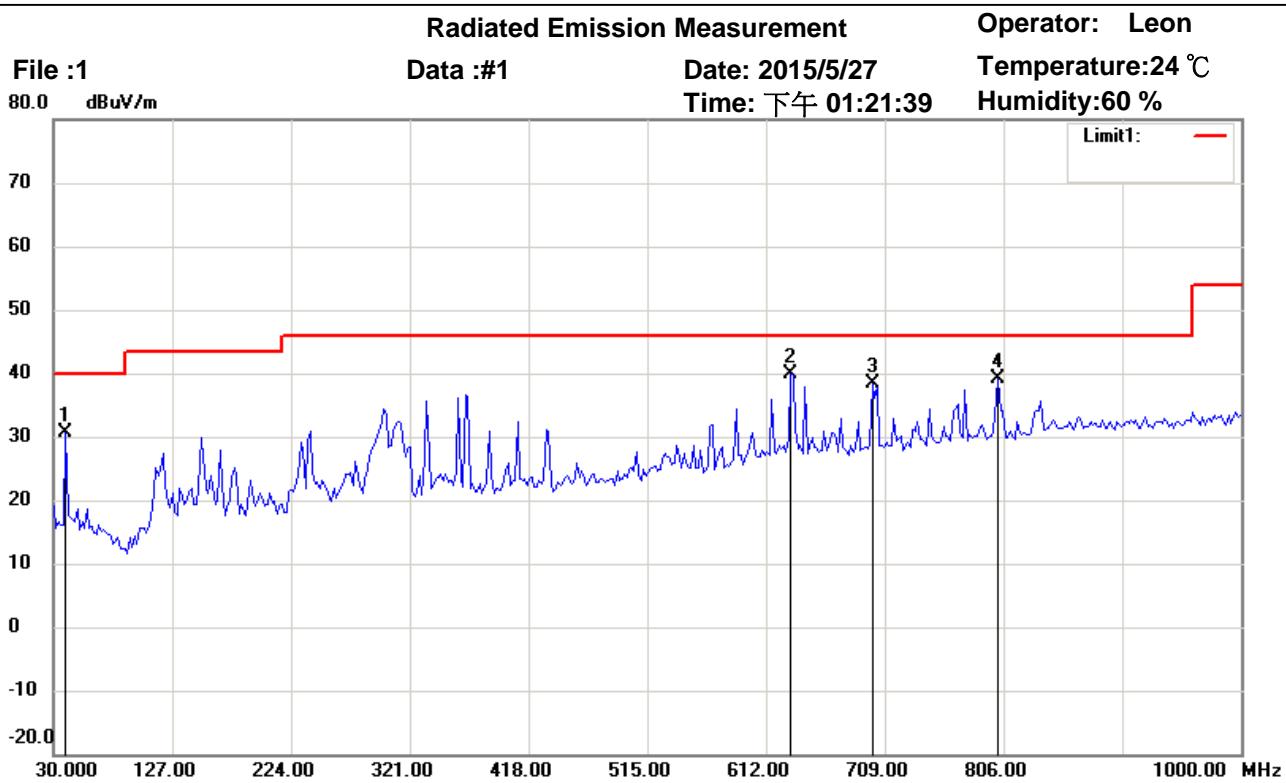
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

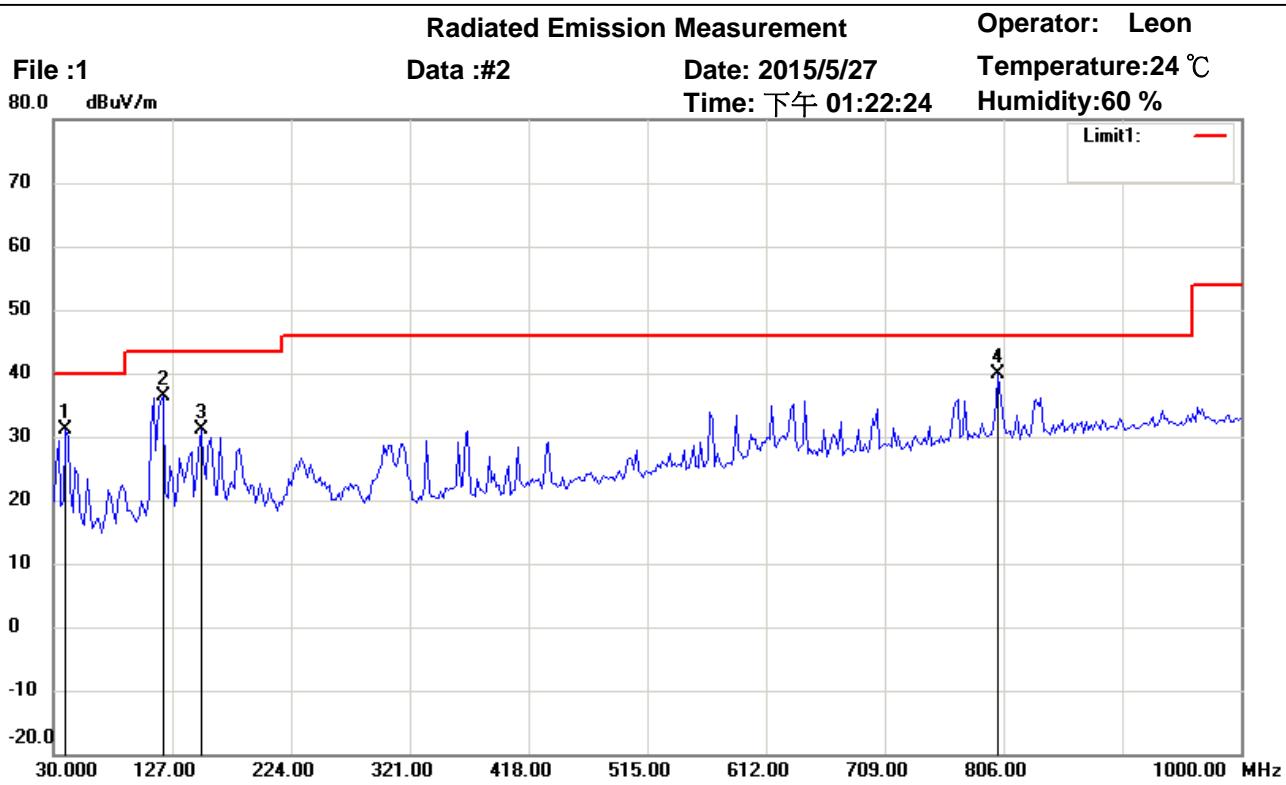
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	39.7194	16.03	peak	14.56	30.59	40.00	100	135	-9.41	
*	632.6052	15.68	peak	24.16	39.84	46.00	100	145	-6.16	
	698.6974	13.27	peak	25.20	38.47	46.00	100	80	-7.53	
	801.7234	12.55	peak	26.63	39.18	46.00	100	110	-6.82	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

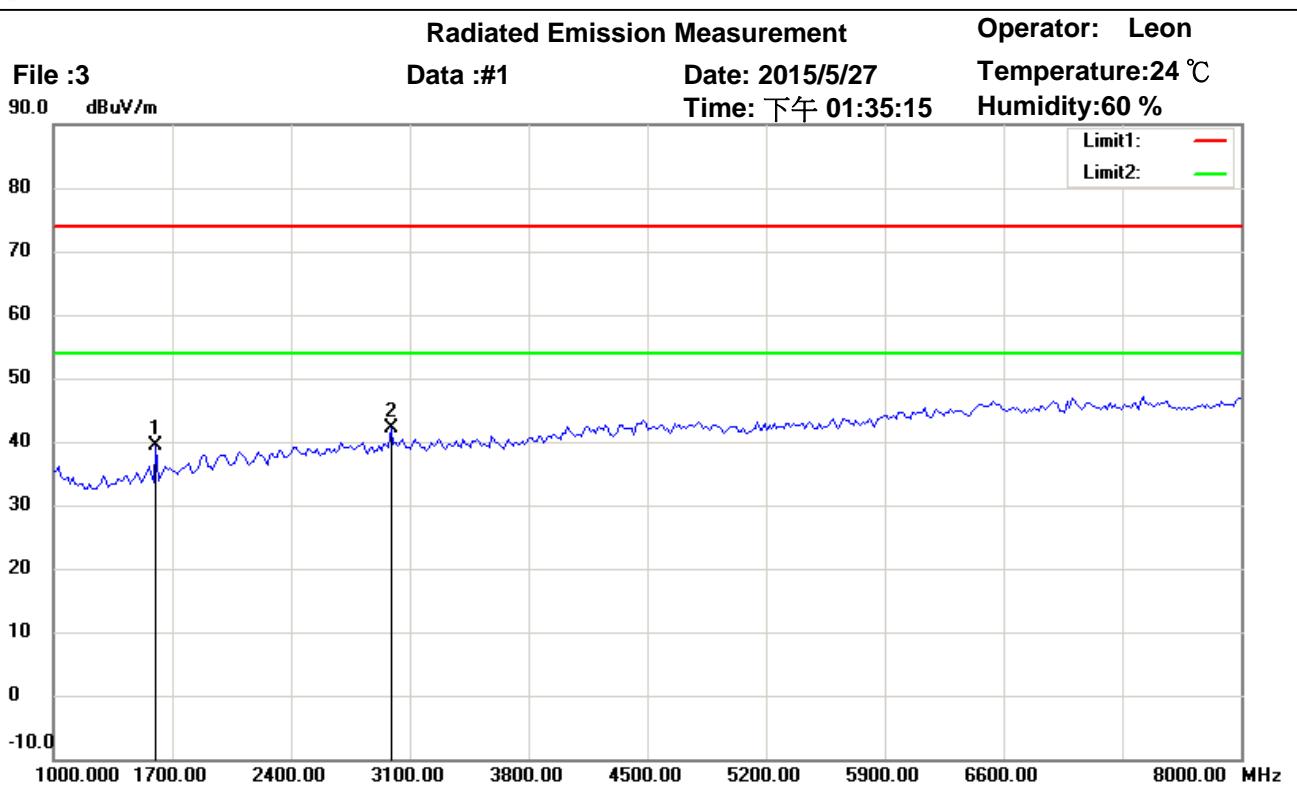
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	39.7194	16.49	peak	14.56	31.05	40.00	100	80	-8.95	
	119.4188	22.37	peak	13.94	36.31	43.50	100	175	-7.19	
	150.5210	15.71	peak	15.50	31.21	43.50	100	130	-12.29	
*	801.7234	13.13	peak	26.63	39.76	46.00	100	210	-6.24	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

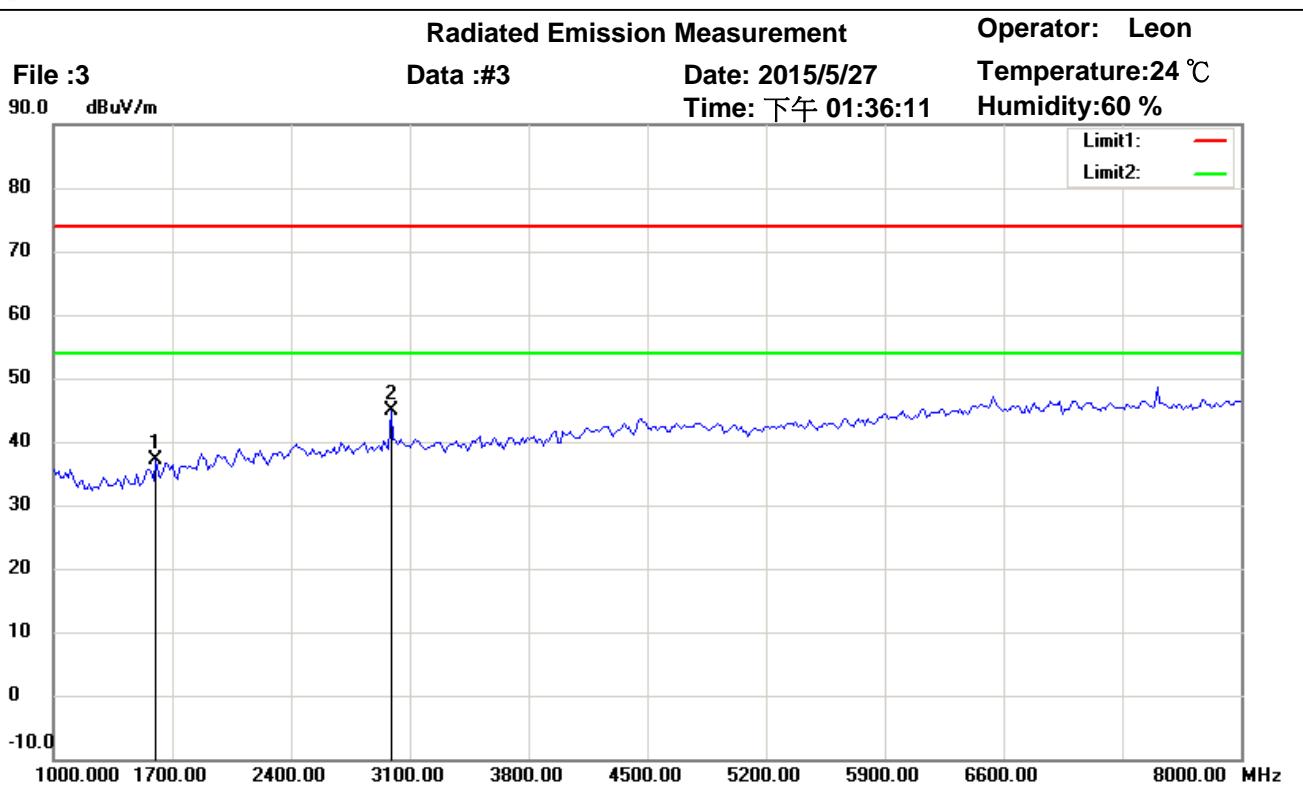
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1603.206	47.21	peak	-7.75	39.46	74.00	100	95	-34.54	
*	2991.984	44.69	peak	-2.47	42.22	74.00	100	110	-31.78	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

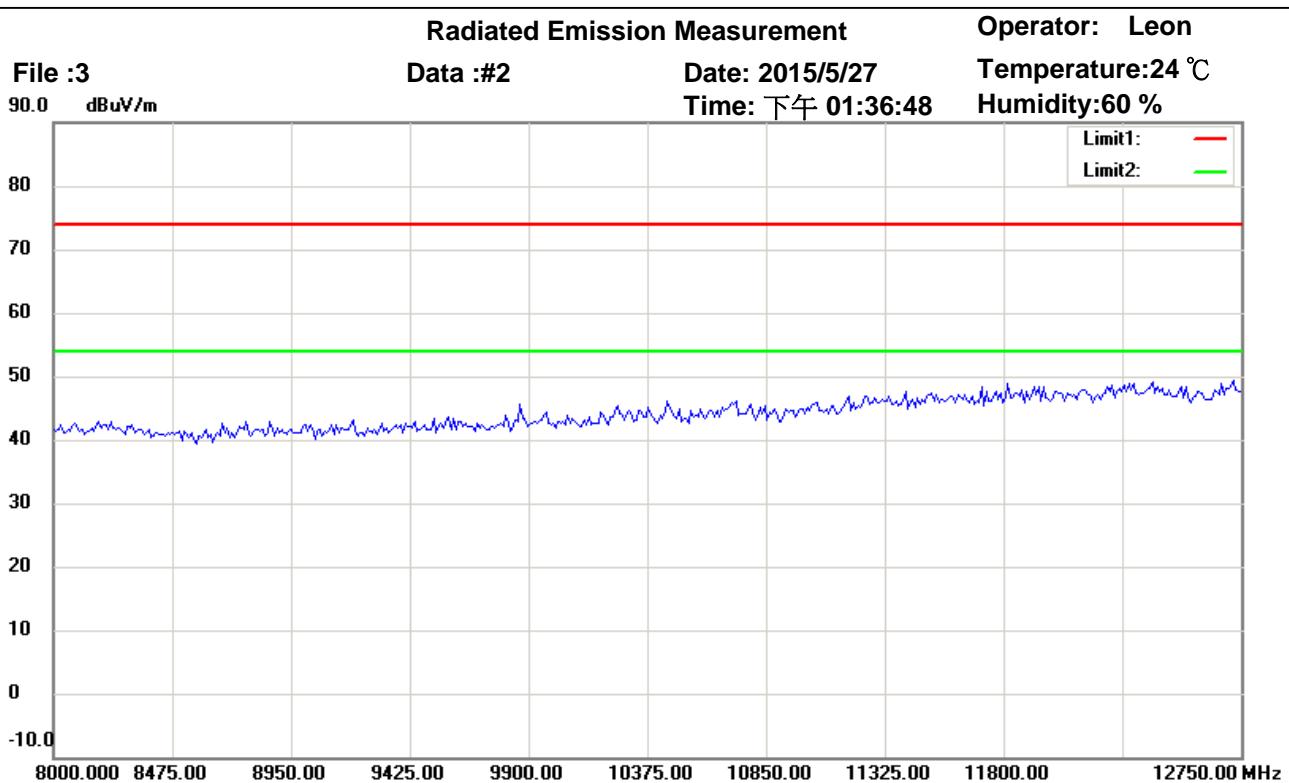
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1603.206	44.94	peak	-7.75	37.19	74.00	100	135	-36.81	
*	2991.984	47.34	peak	-2.47	44.87	74.00	100	75	-29.13	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

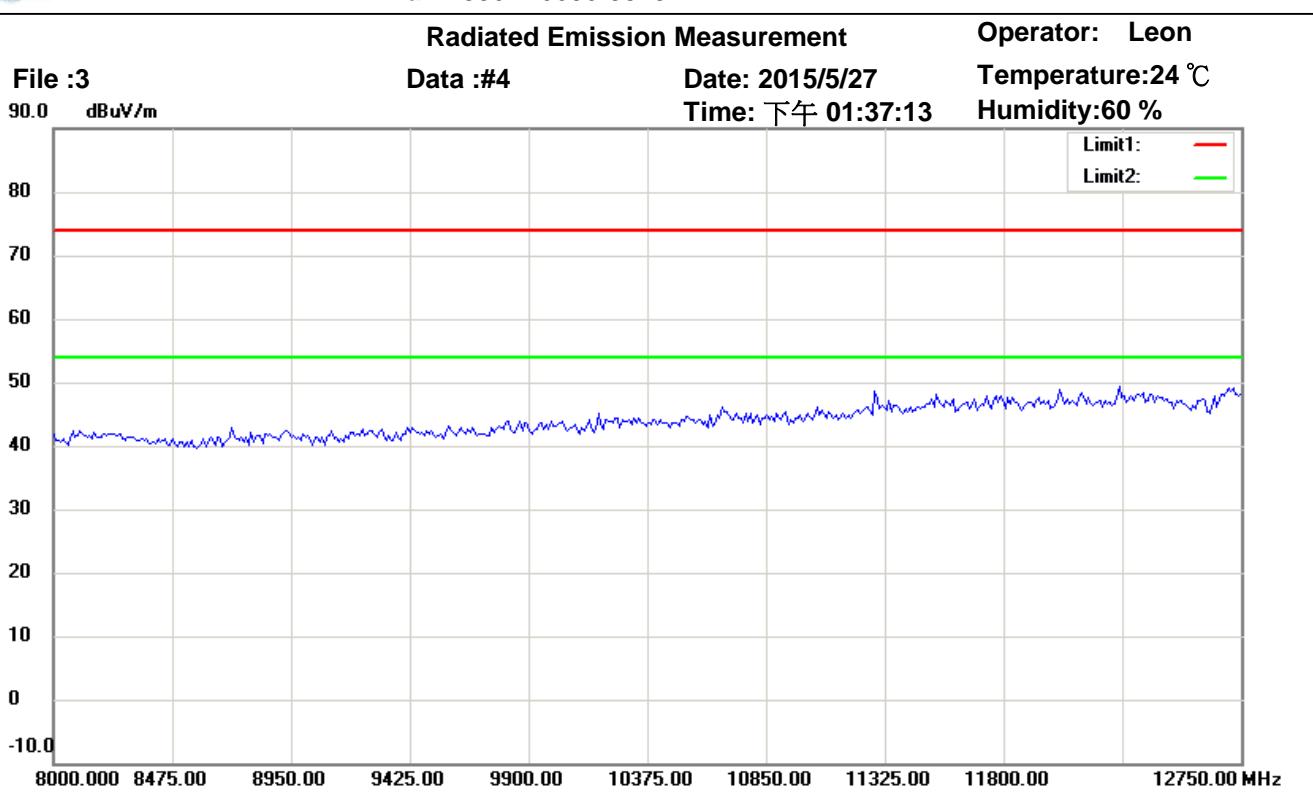
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

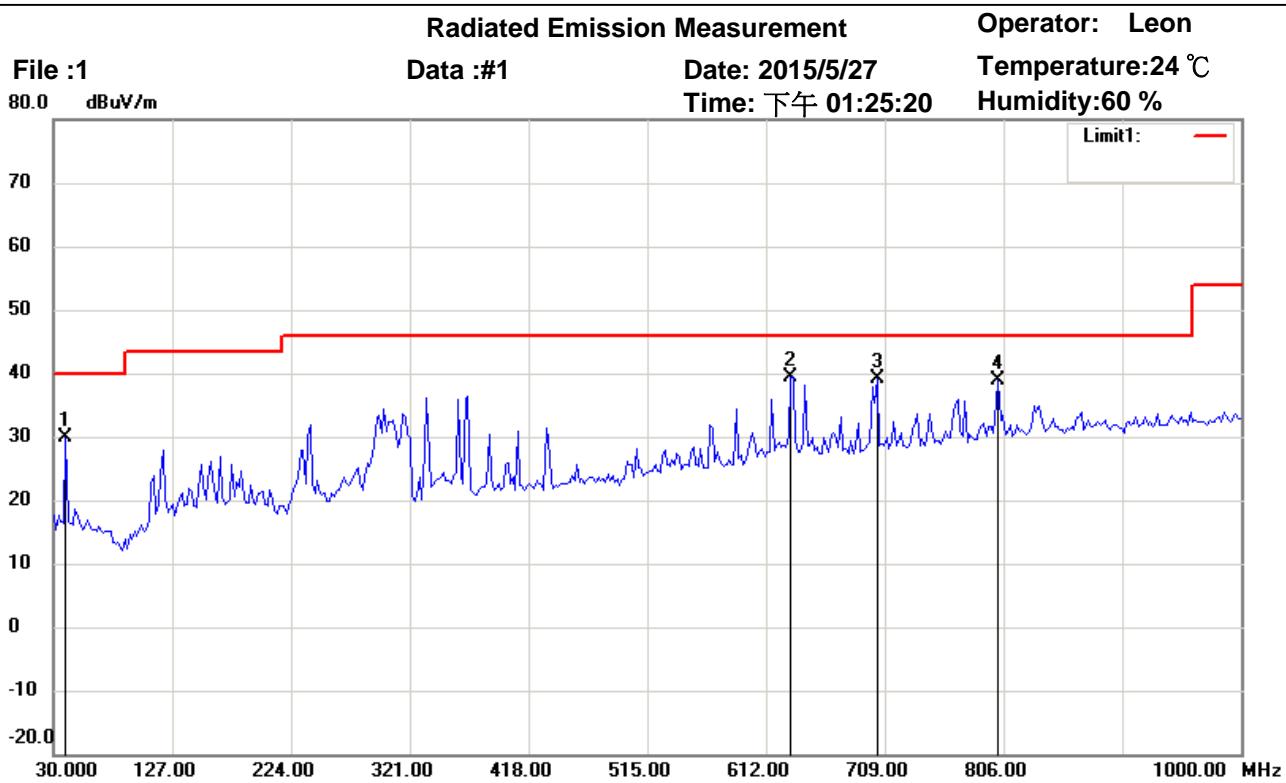
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

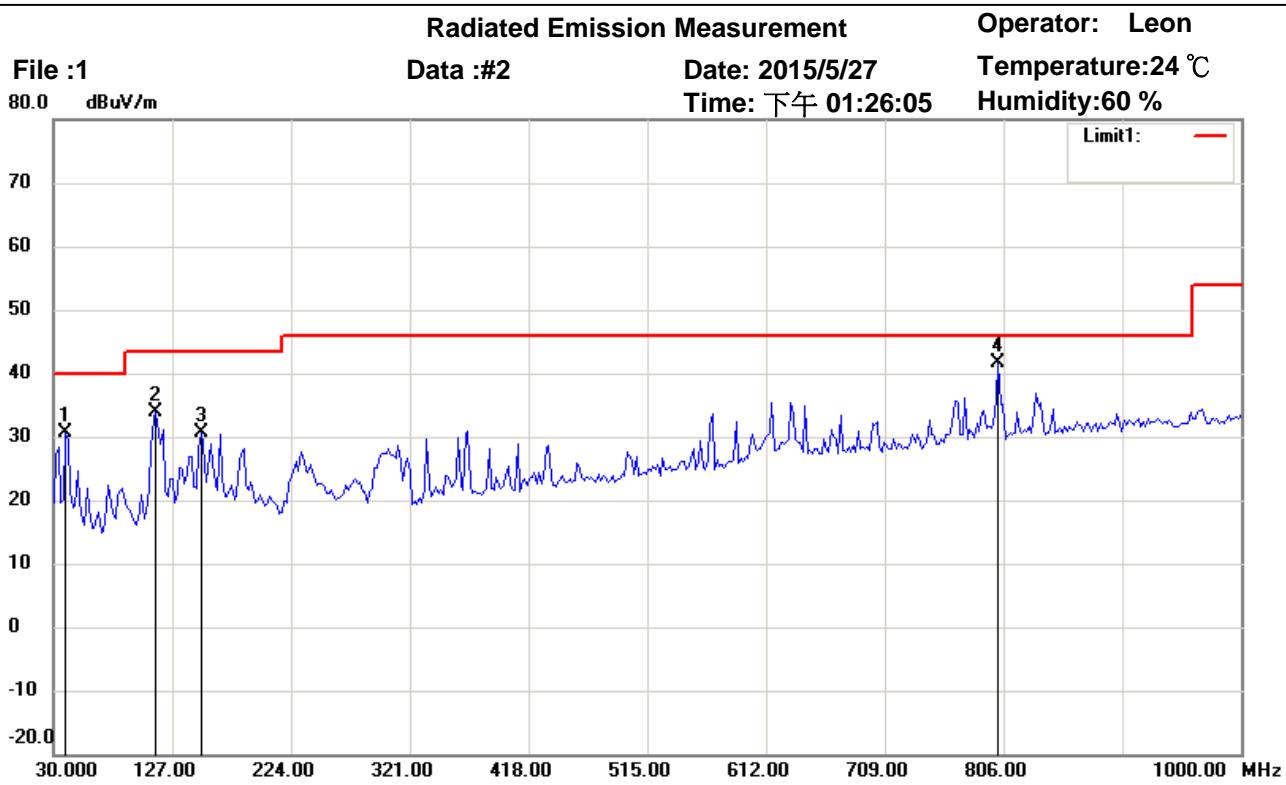
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	39.7194	15.35	peak	14.56	29.91	40.00	100	230	-10.09	
*	632.6052	15.30	peak	24.16	39.46	46.00	100	70	-6.54	
	702.5852	13.79	peak	25.26	39.05	46.00	100	115	-6.95	
	801.7234	12.18	peak	26.63	38.81	46.00	100	160	-7.19	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

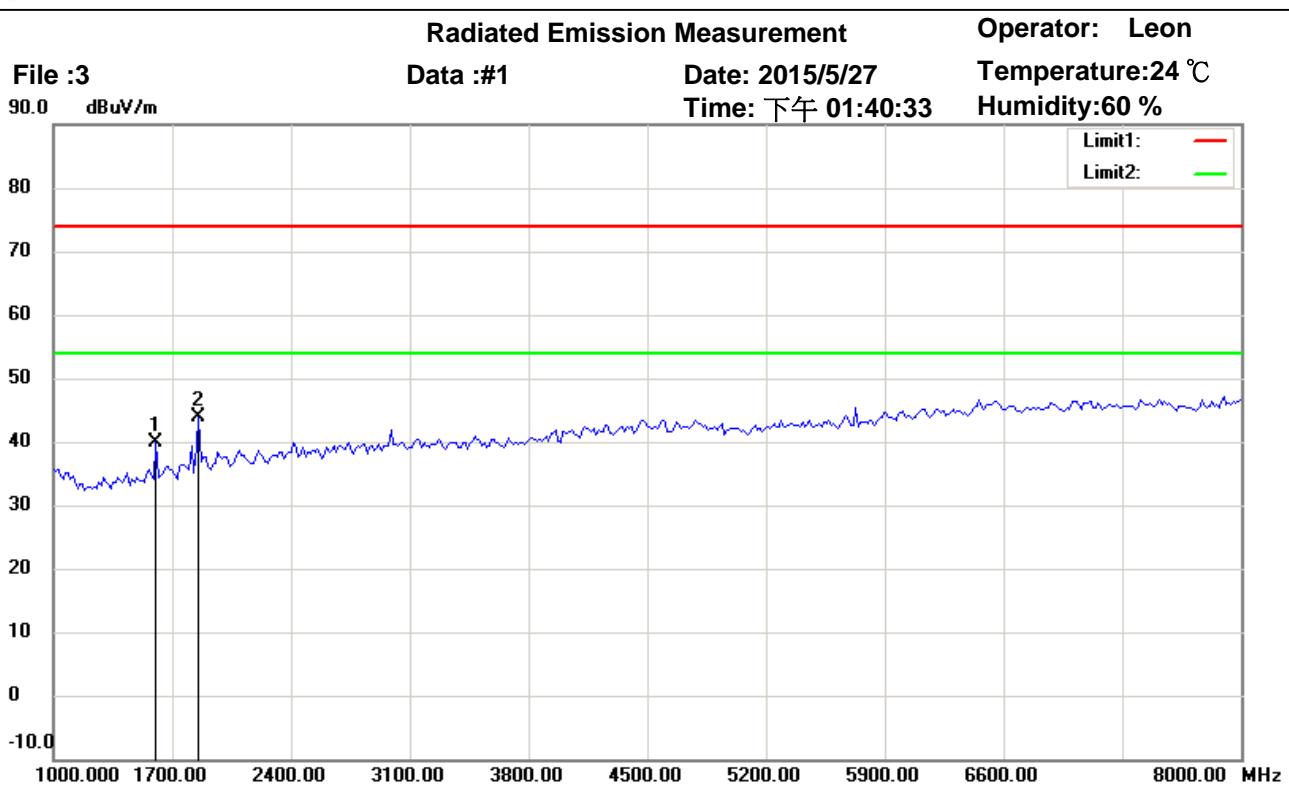
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	39.7194	16.02	peak	14.56	30.58	40.00	100	165	-9.42	
	113.5872	20.37	peak	13.52	33.89	43.50	100	110	-9.61	
	150.5210	15.11	peak	15.50	30.61	43.50	100	90	-12.89	
*	801.7234	15.07	peak	26.63	41.70	46.00	100	75	-4.30	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

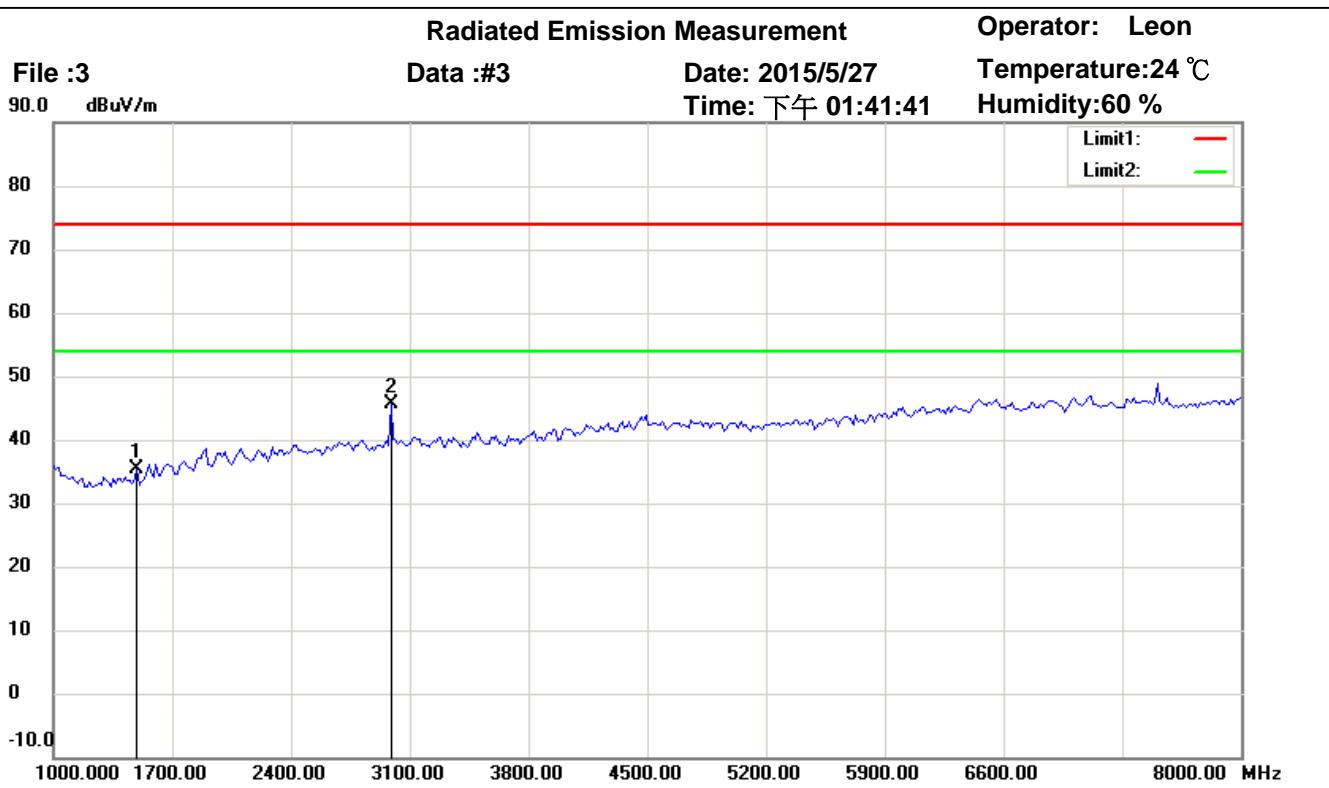
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1603.206	47.73	peak	-7.75	39.98	74.00	100	210	-34.02	
*	1855.711	50.42	peak	-6.56	43.86	74.00	100	130	-30.14	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

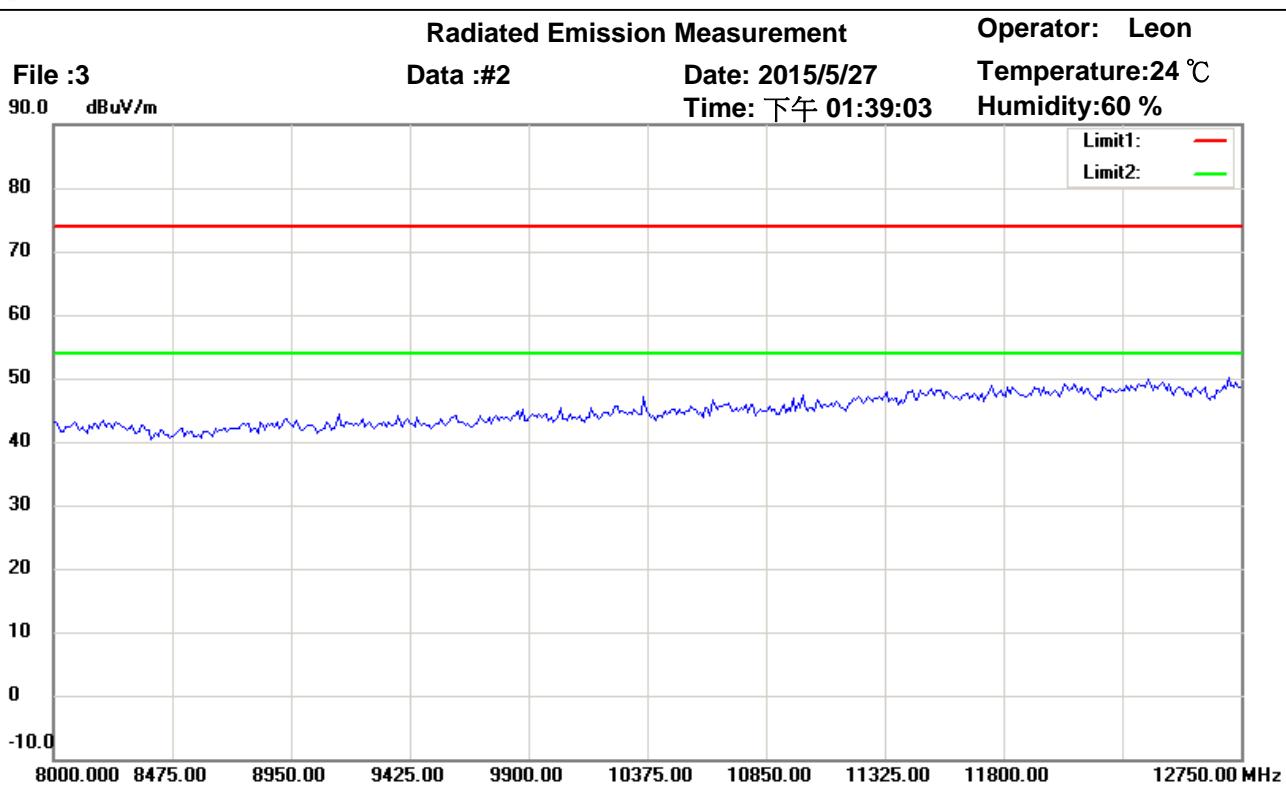
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1490.982	44.30	peak	-8.92	35.38	74.00	100	120	-38.62	
*	2991.984	48.10	peak	-2.47	45.63	74.00	100	85	-28.37	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

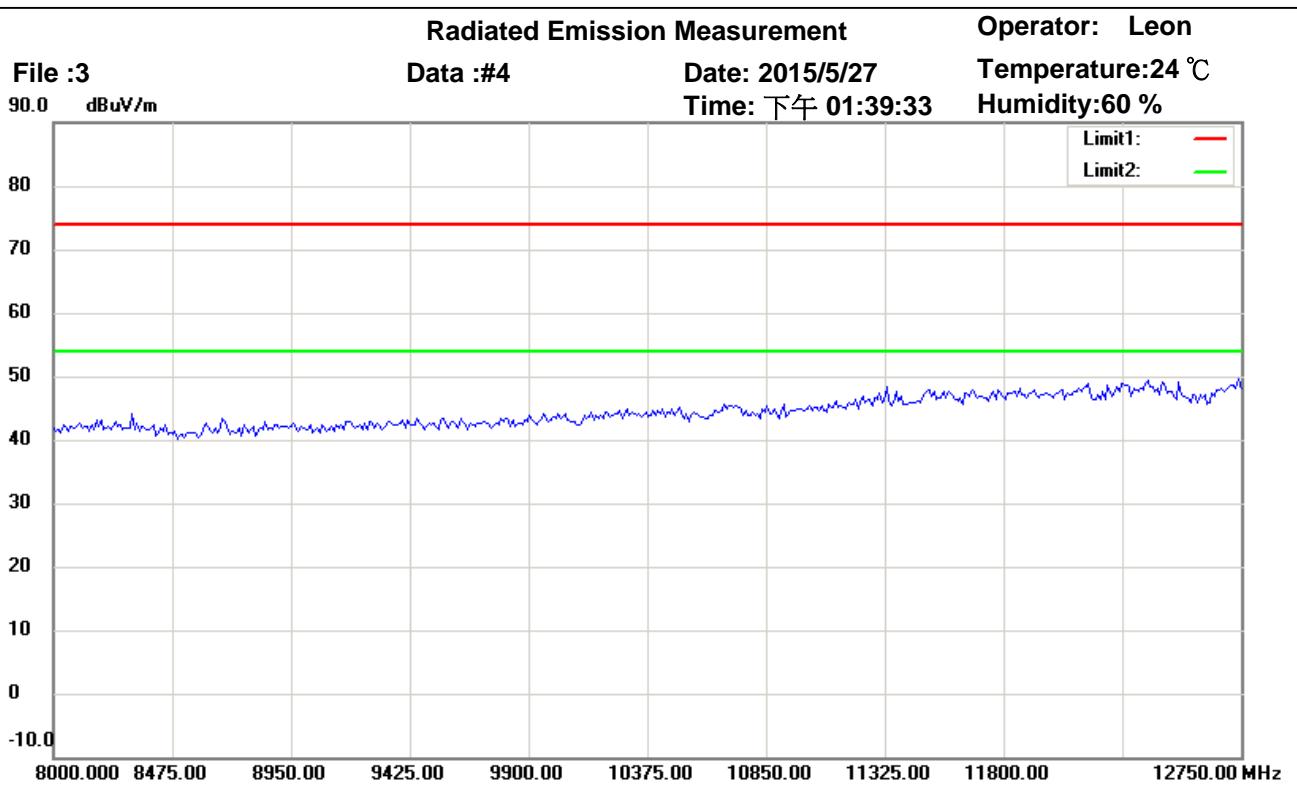
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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# Worldwide Testing Services(Taiwan) Co., Ltd.

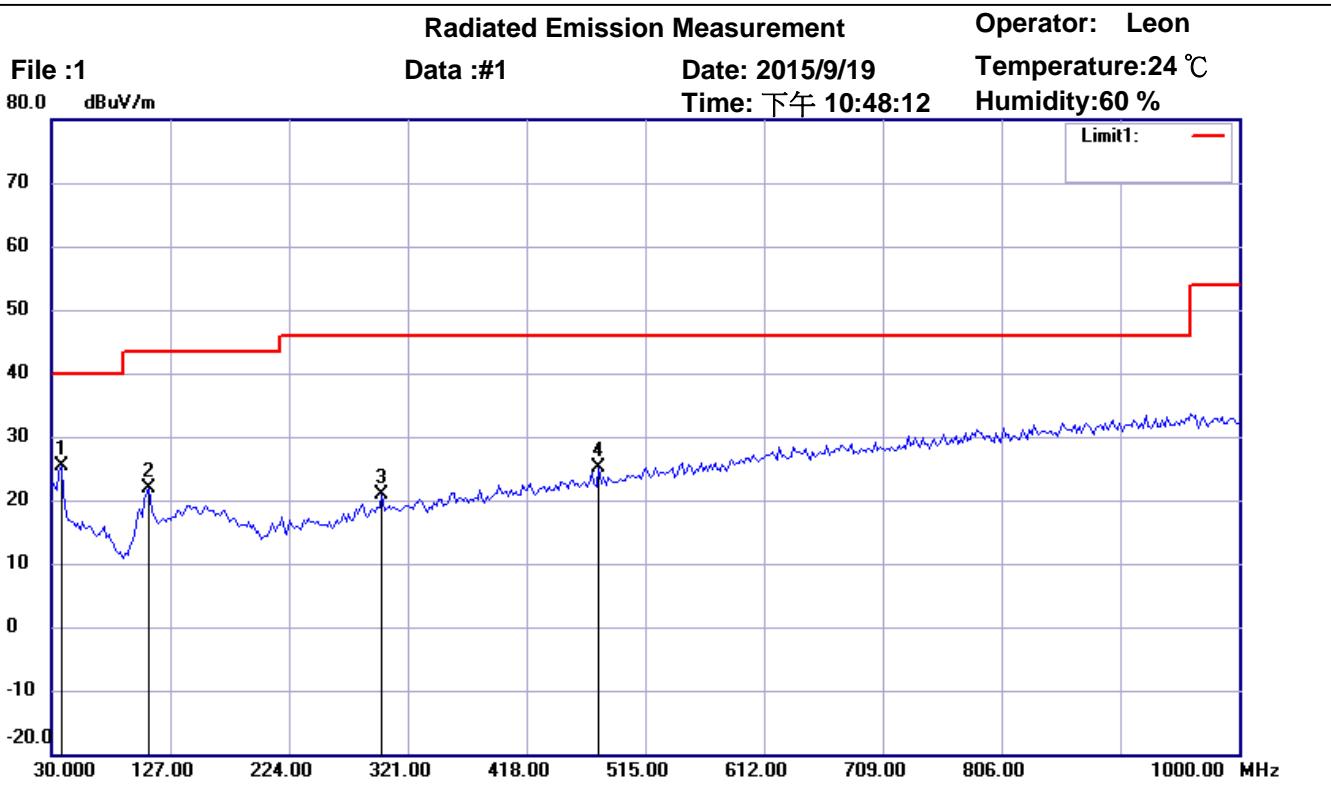
Registration number: W6M21410-14528-C-1

FCC ID: WXAUM800L

RX\_Antenna model: EBD-101



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

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

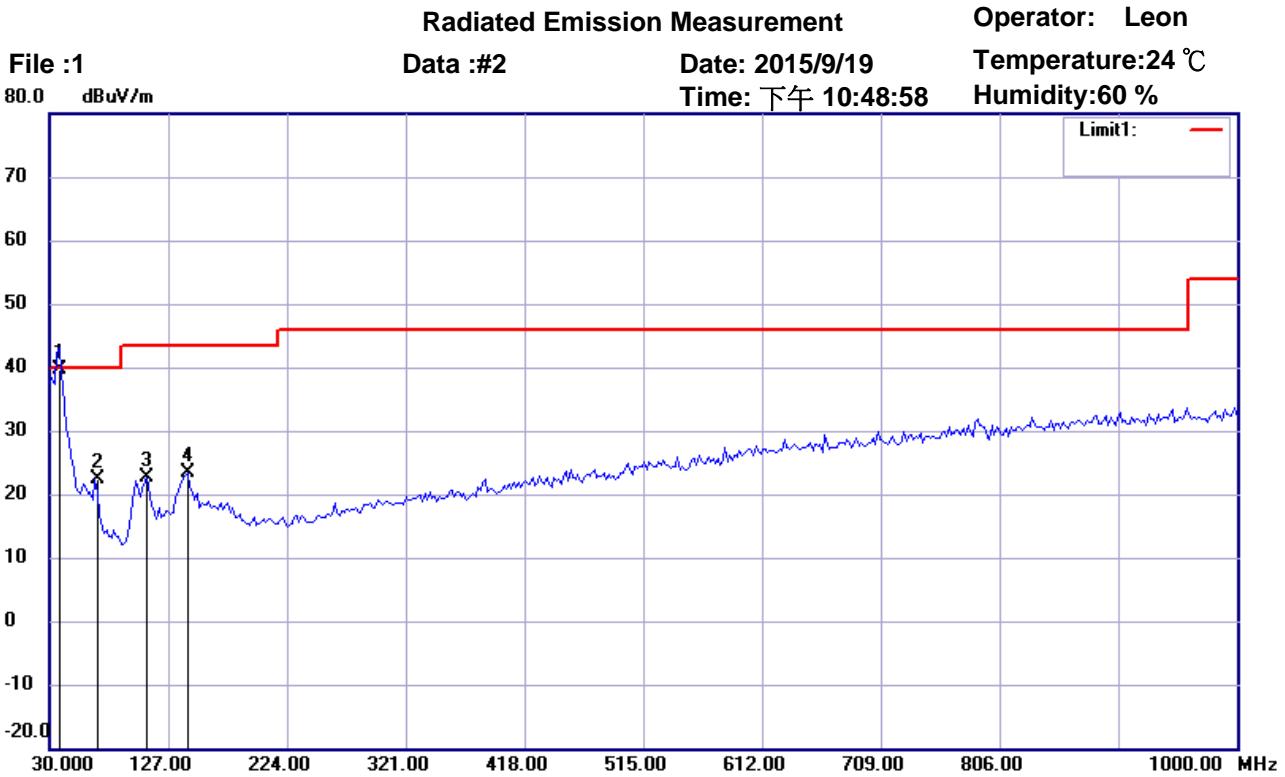
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	37.7754	11.01	peak	14.33	25.34	40.00	100	35	-14.66	
	109.6993	8.56	peak	13.21	21.77	43.50	100	60	-21.73	
	300.2004	4.86	peak	16.04	20.90	46.00	100	145	-25.10	
	477.0942	4.67	peak	20.56	25.23	46.00	100	120	-20.77	



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

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

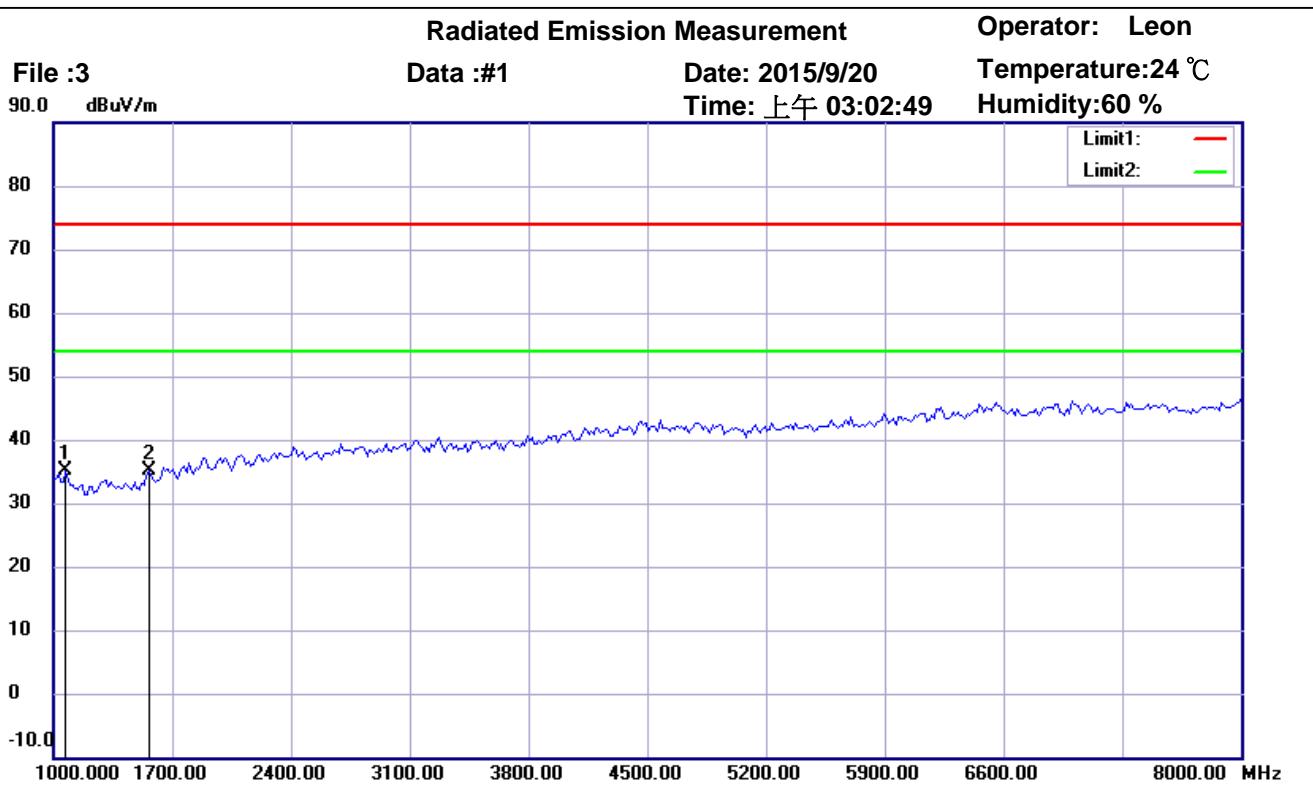
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	37.7756	25.41	QP	14.33	39.74	40.00	100	170	-0.26	
	66.9340	10.04	peak	12.28	22.32	40.00	100	55	-17.68	
	109.6994	9.48	peak	13.21	22.69	43.50	100	120	-20.81	
	142.7455	7.84	peak	15.43	23.27	43.50	100	95	-20.23	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

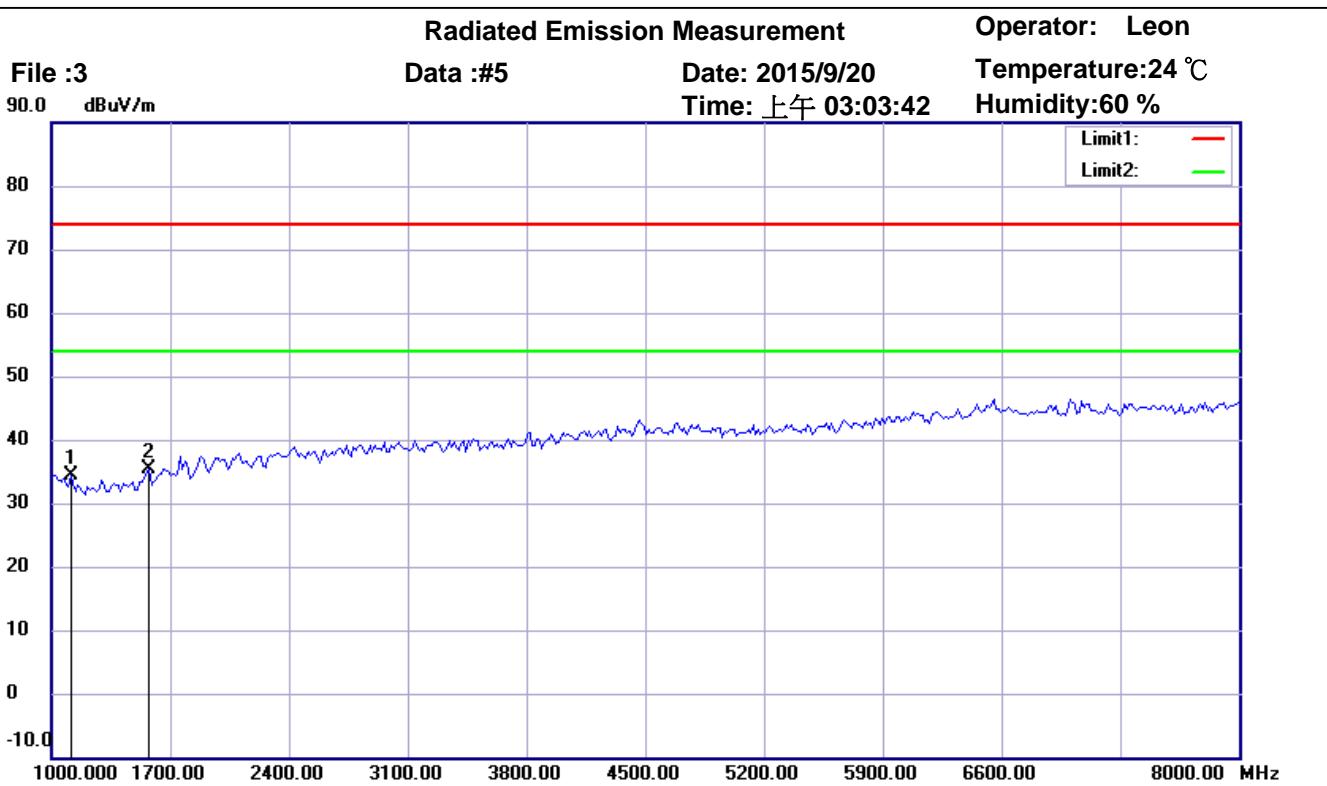
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1070.140	42.95	peak	-7.90	35.05	74.00	100	125	-38.95	
	1561.122	43.23	peak	-8.22	35.01	74.00	100	60	-38.99	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1112.224	43.09	peak	-8.64	34.45	74.00	100	110	-39.55	
*	1575.150	43.50	peak	-8.06	35.44	74.00	100	35	-38.56	



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

File :3

Radiated Emission Measurement

Operator: Leon

Data :#2

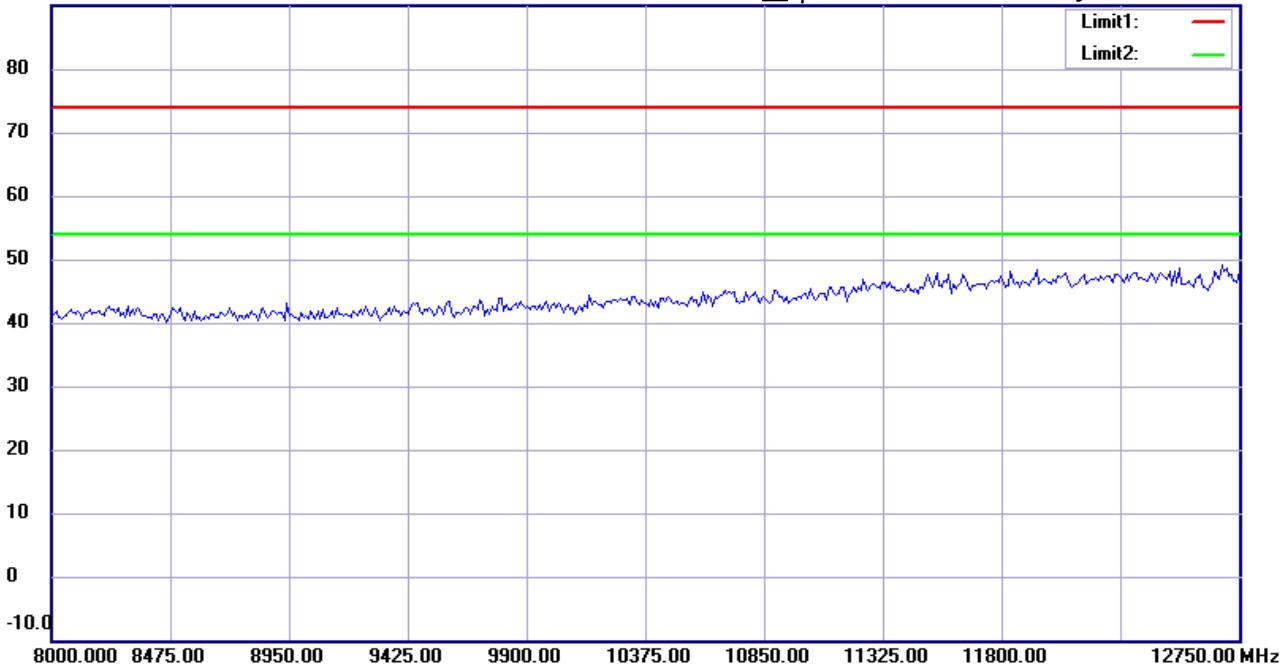
Date: 2015/9/20

Temperature:24 °C

90.0 dBuV/m

Time: 上午 03:03:01

Humidity:60 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

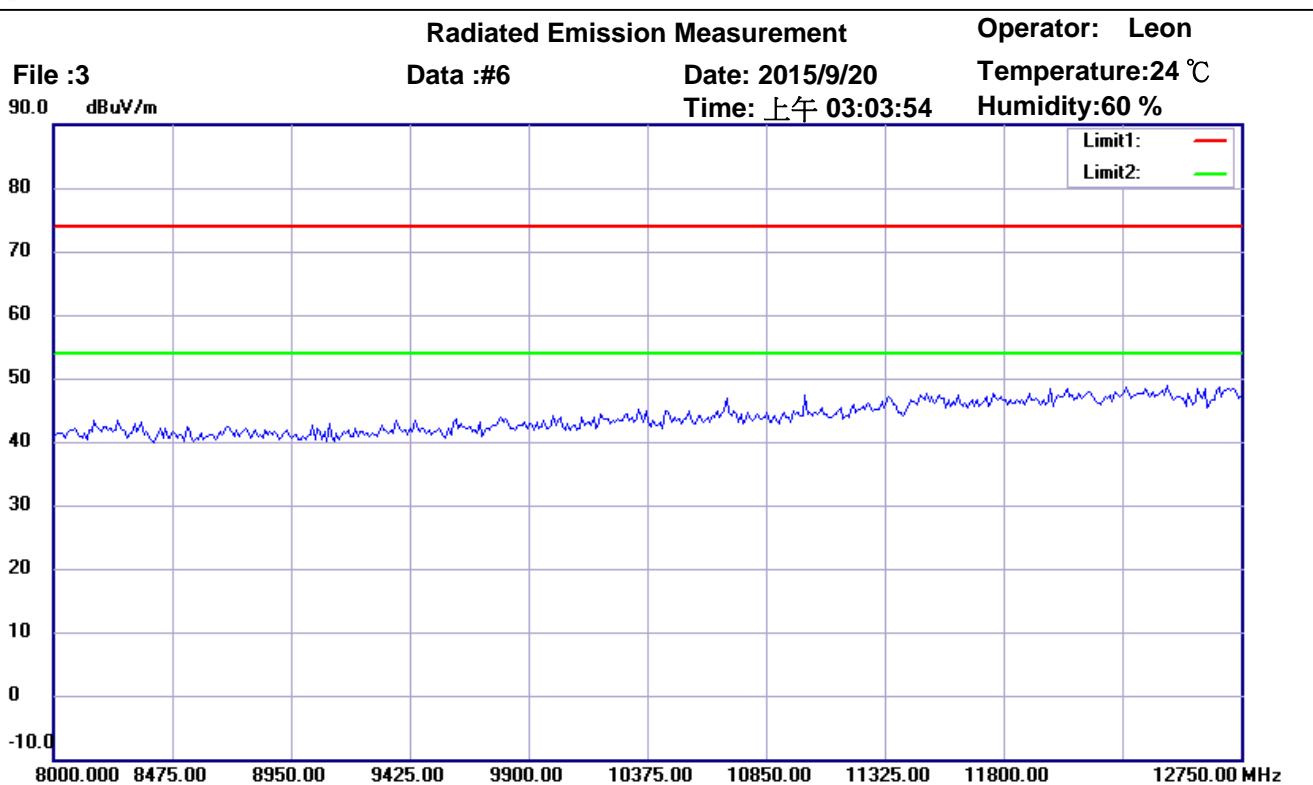
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

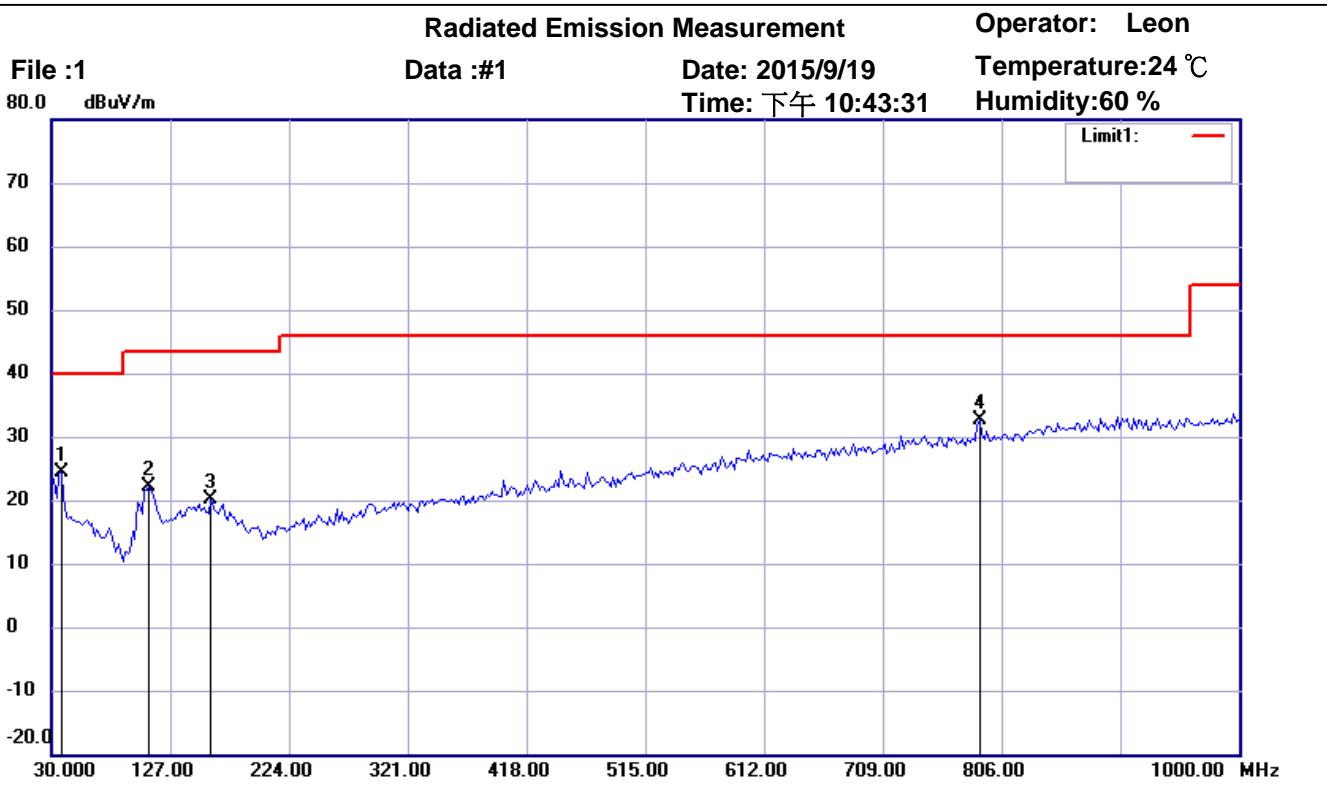
Test Mode : RX 902.75MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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Tel:+886-2-6606-8877  
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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

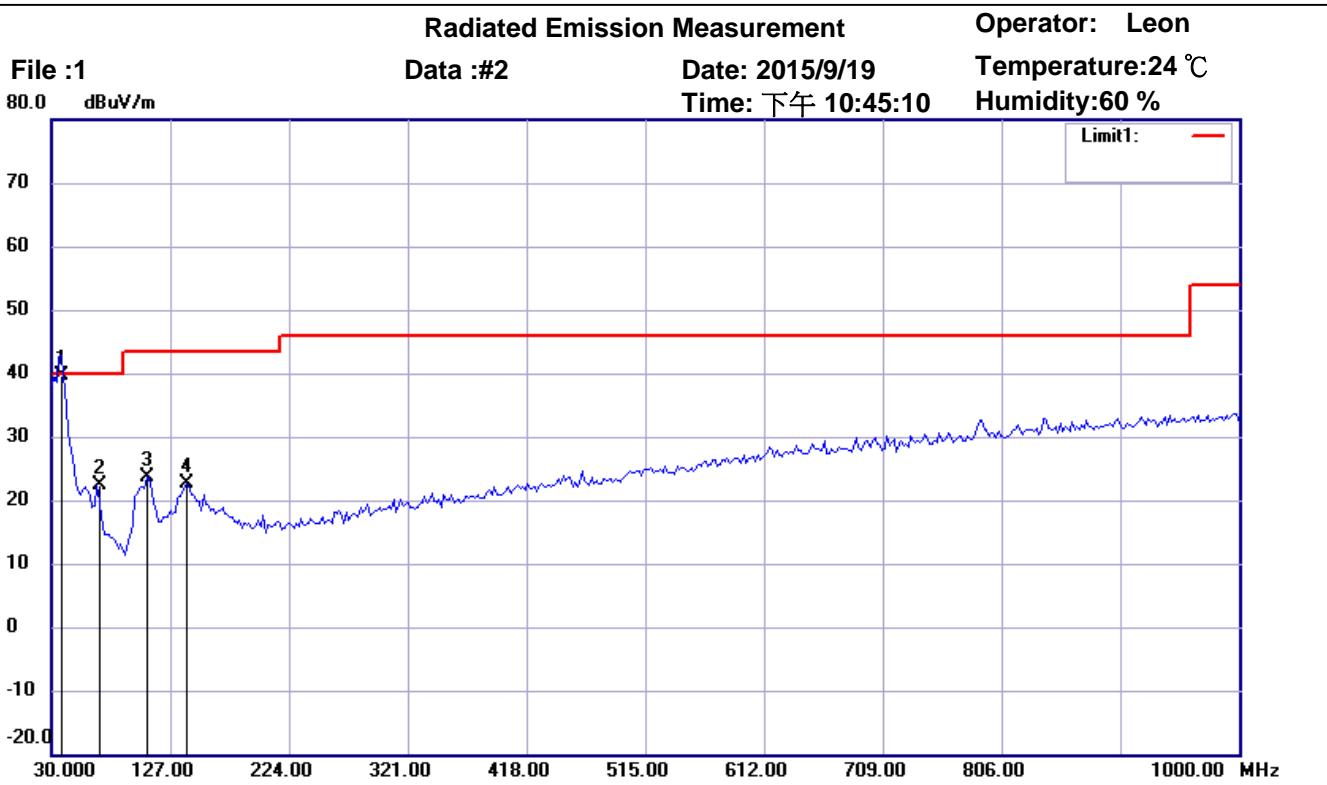
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	37.7754	10.02	peak	14.33	24.35	40.00	100	120	-15.65	
	109.6993	8.83	peak	13.21	22.04	43.50	100	175	-21.46	
	160.2404	4.64	peak	15.48	20.12	43.50	100	140	-23.38	
*	788.1162	6.11	peak	26.44	32.55	46.00	100	55	-13.45	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

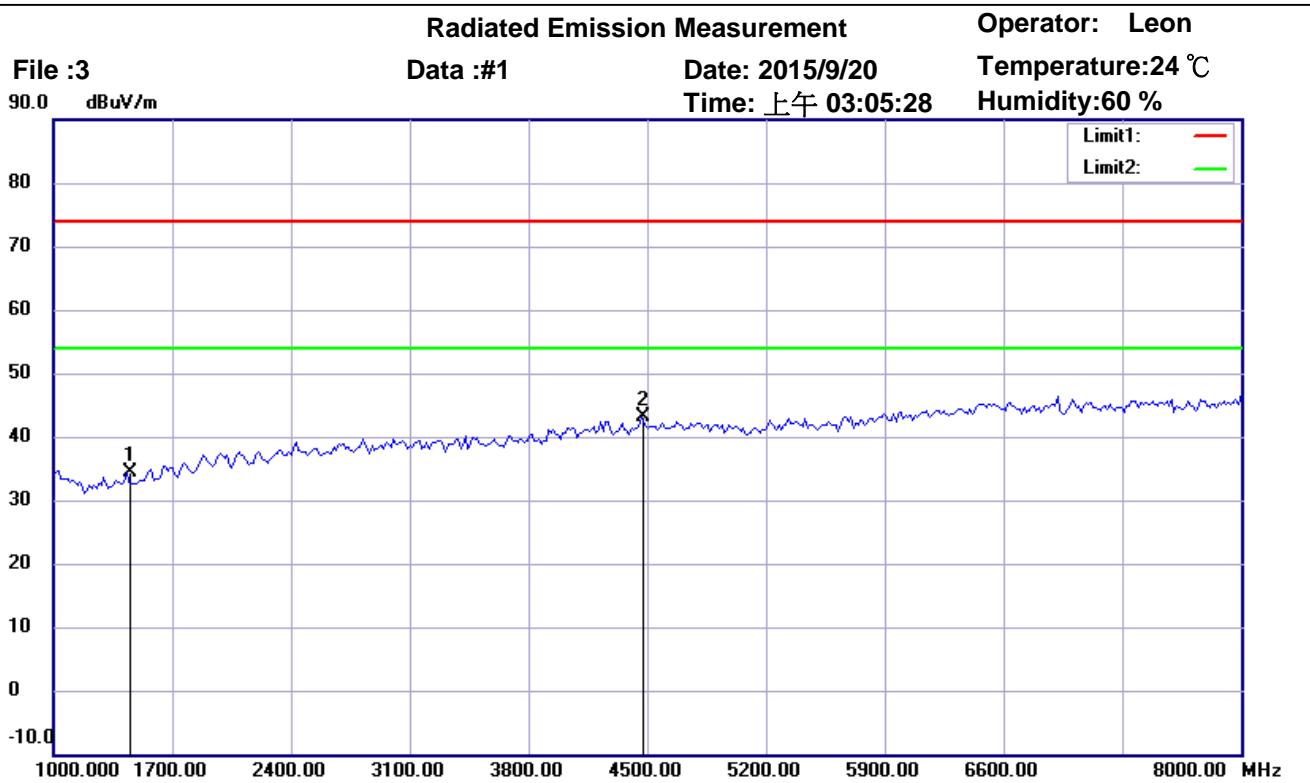
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	37.7756	25.26	QP	14.33	39.59	40.00	100	135	-0.41	
	66.9340	10.16	peak	12.28	22.44	40.00	100	90	-17.56	
	107.7555	10.83	peak	12.85	23.68	43.50	100	60	-19.82	
	140.8015	7.18	peak	15.41	22.59	43.50	100	155	-20.91	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

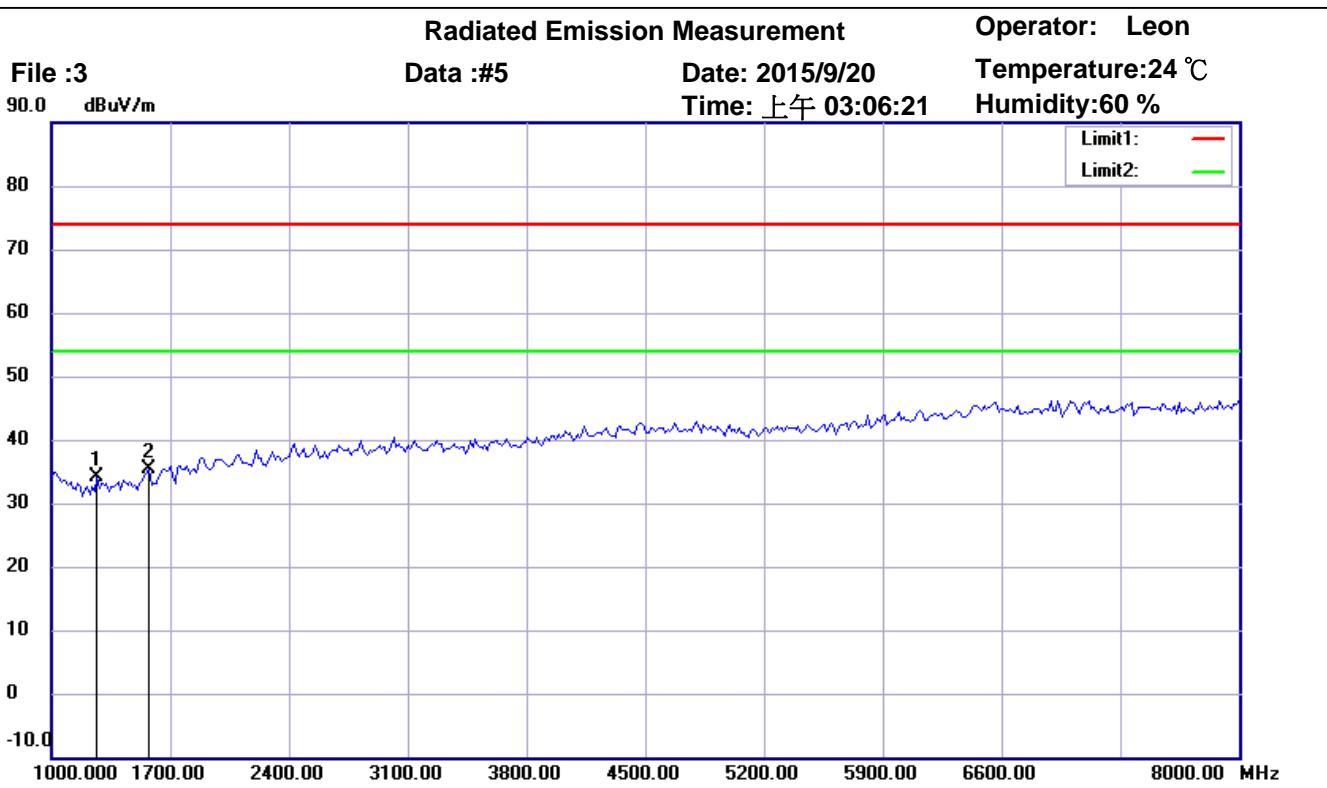
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1434.870	43.31	peak	-8.89	34.42	74.00	100	65	-39.58	
*	4464.930	42.32	peak	0.75	43.07	74.00	100	90	-30.93	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

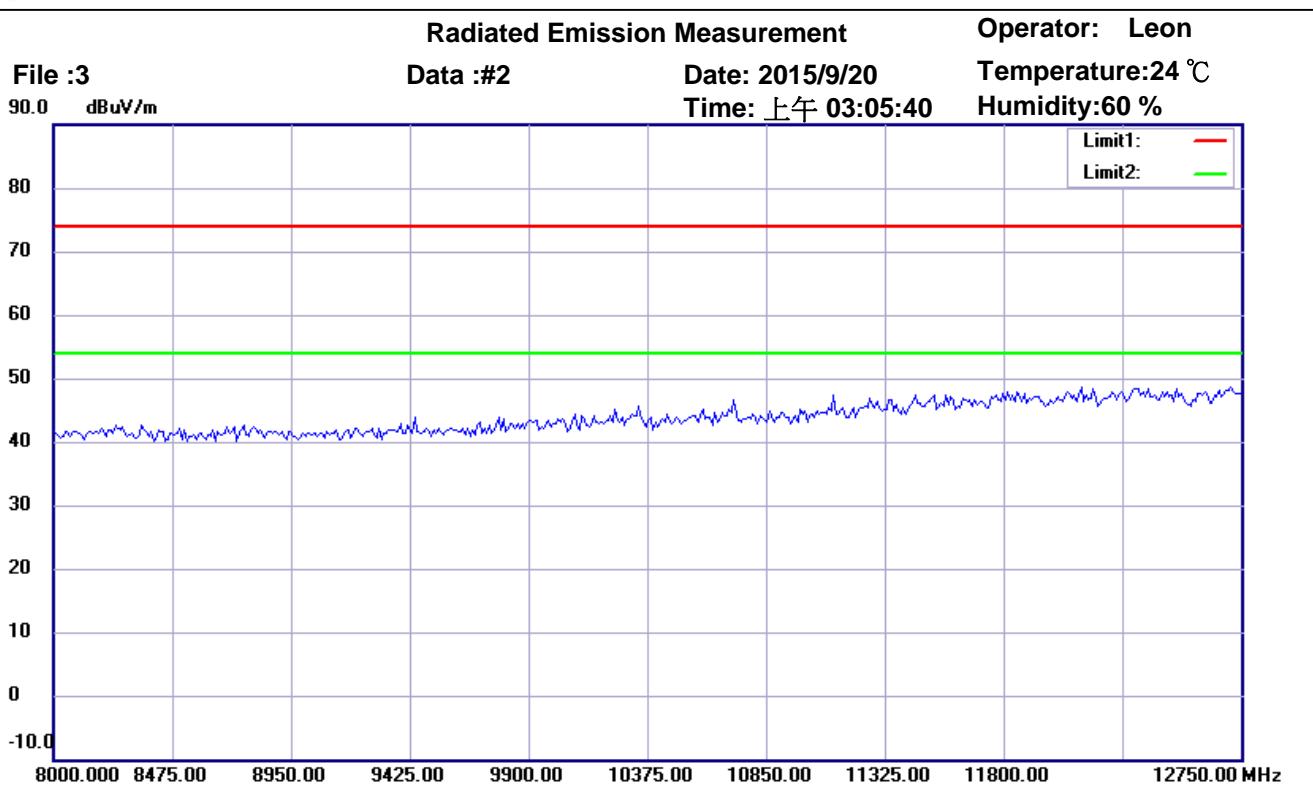
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1266.533	43.05	peak	-8.99	34.06	74.00	100	135	-39.94	
*	1575.150	43.38	peak	-8.06	35.32	74.00	100	210	-38.68	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

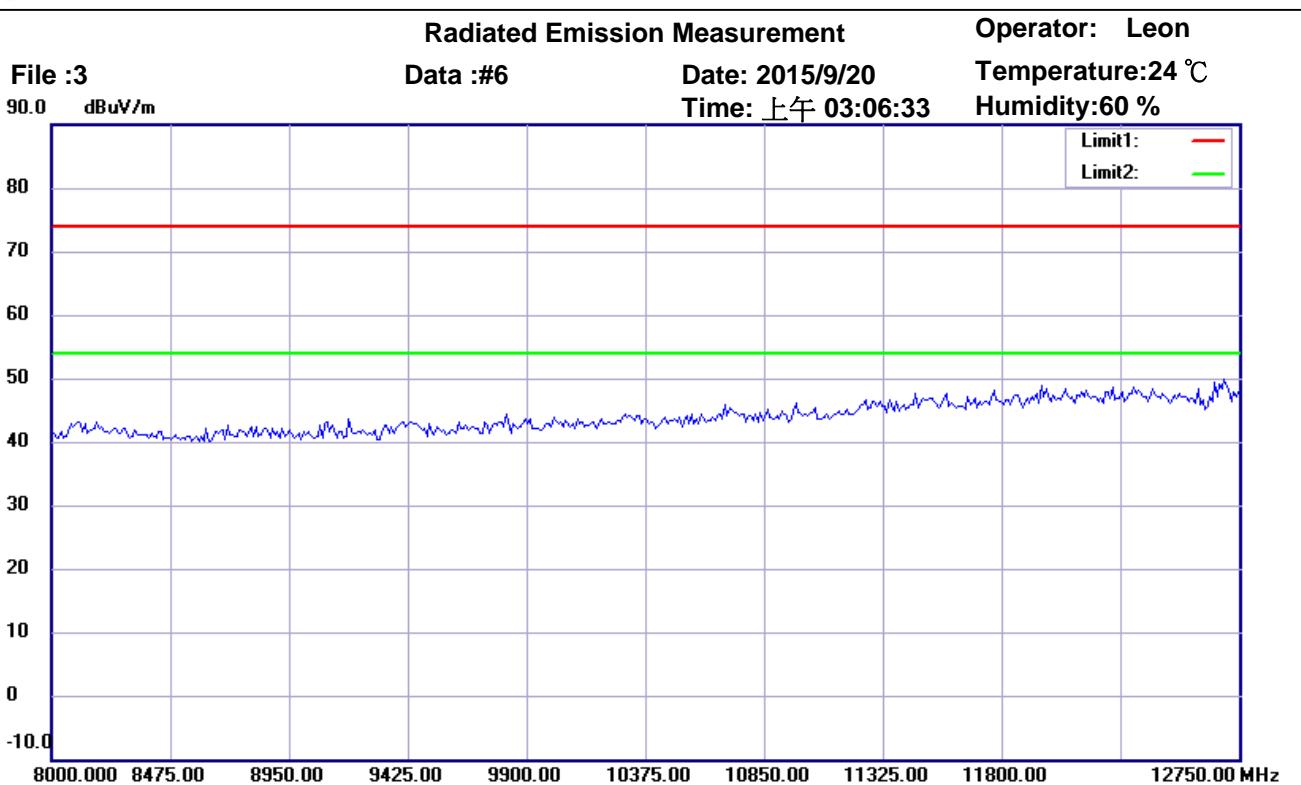
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

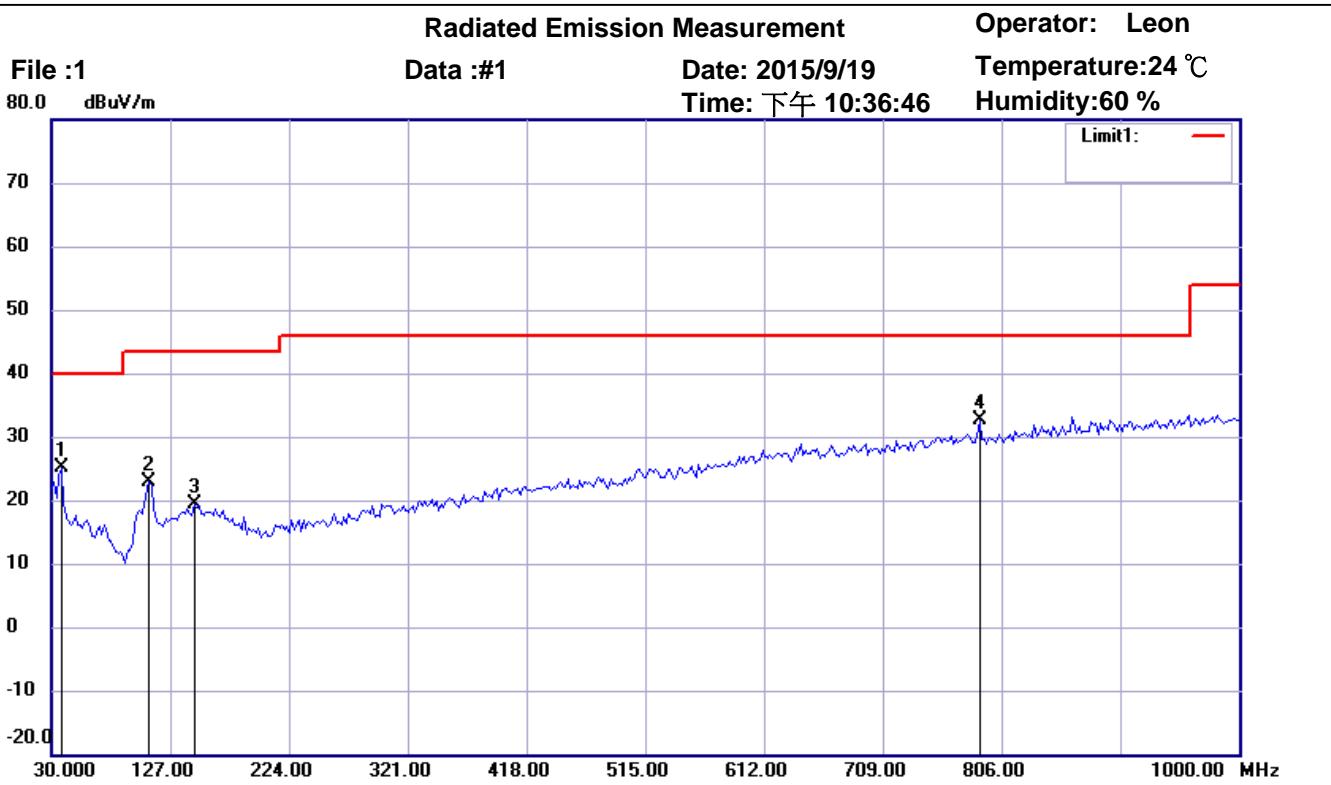
Test Mode : RX 915.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



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



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

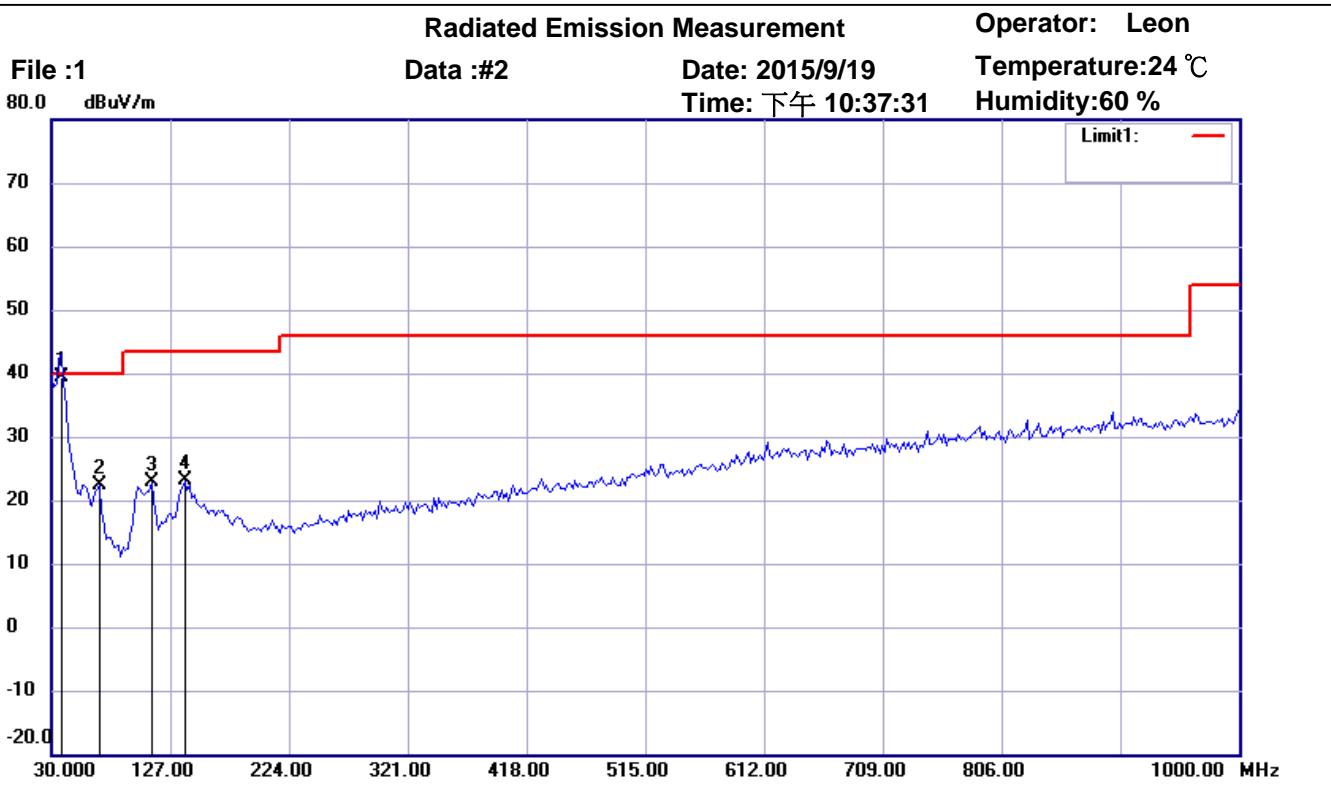
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	37.7754	10.71	peak	14.33	25.04	40.00	100	105	-14.96	
	109.6993	9.78	peak	13.21	22.99	43.50	100	90	-20.51	
	146.6332	3.95	peak	15.47	19.42	43.50	100	130	-24.08	
*	788.1162	6.31	peak	26.44	32.75	46.00	100	165	-13.25	



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Tel:+886-2-6606-8877  
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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_30-1000MHz

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

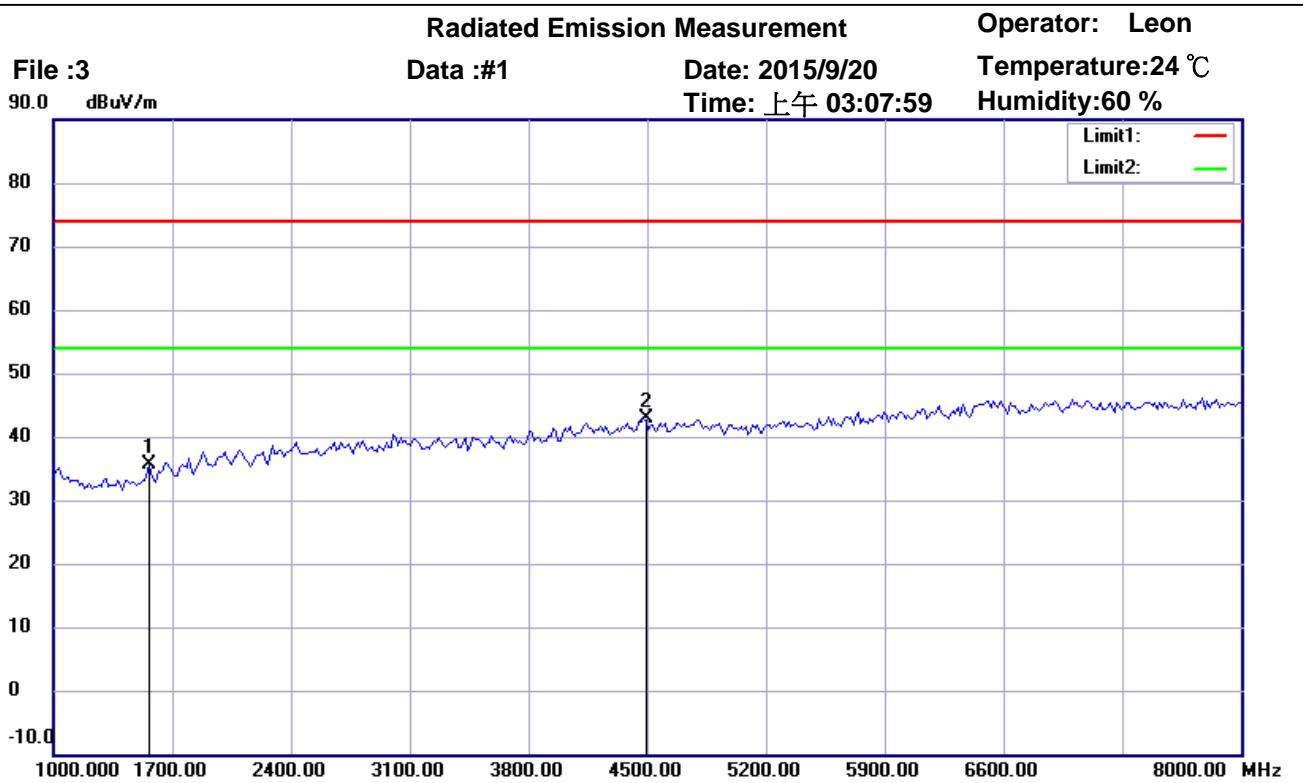
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	37.5875	24.97	QP	14.31	39.28	40.00	100	125	-0.72	
	68.8777	10.23	peak	12.04	22.27	40.00	100	185	-17.73	
	111.6431	9.60	peak	13.38	22.98	43.50	100	55	-20.52	
	138.8575	7.86	peak	15.33	23.19	43.50	100	230	-20.31	



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Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

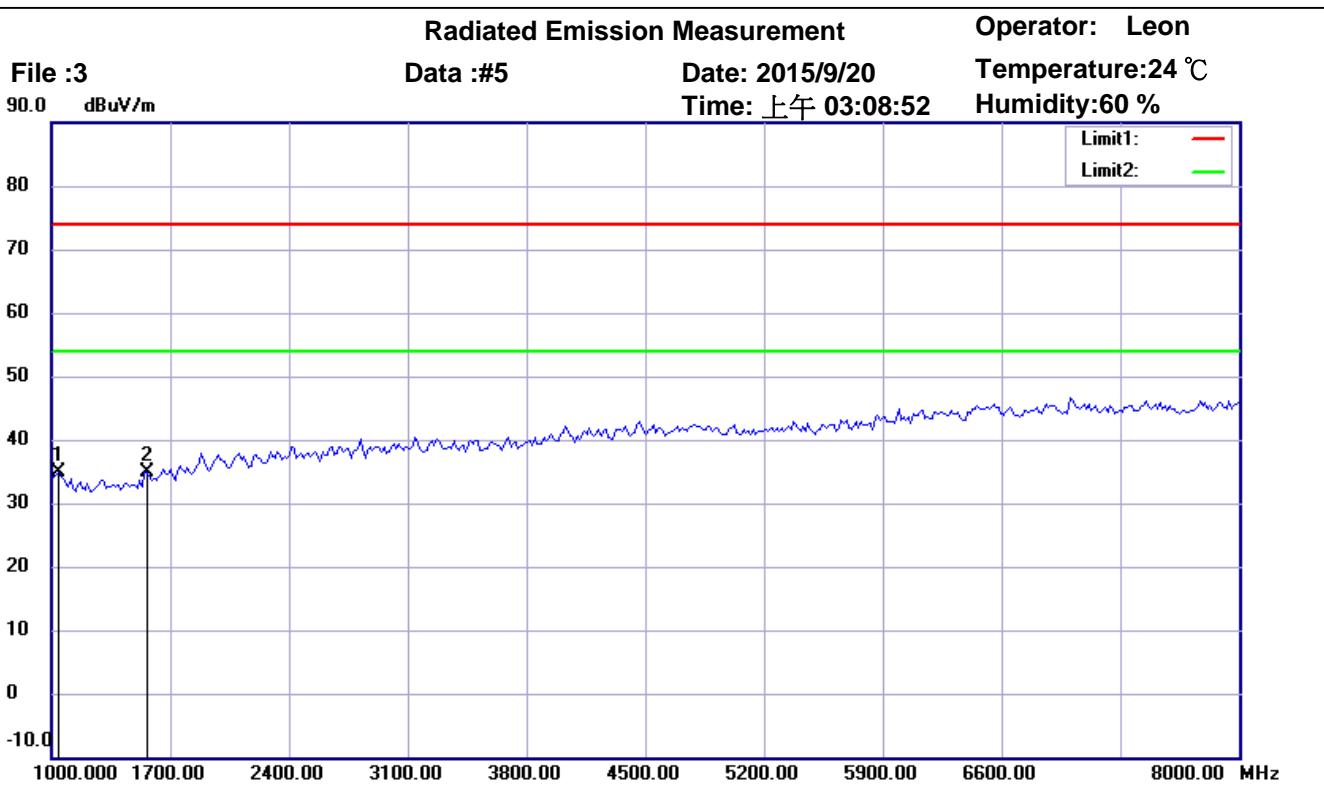
Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1561.122	43.81	peak	-8.22	35.59	74.00	100	145	-38.41	
*	4478.958	41.98	peak	0.92	42.90	74.00	100	60	-31.10	



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



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1042.084	42.16	peak	-7.35	34.81	74.00	100	55	-39.19	
*	1561.122	43.21	peak	-8.22	34.99	74.00	100	30	-39.01	



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

File :3

Radiated Emission Measurement

Operator: Leon

Data :#2

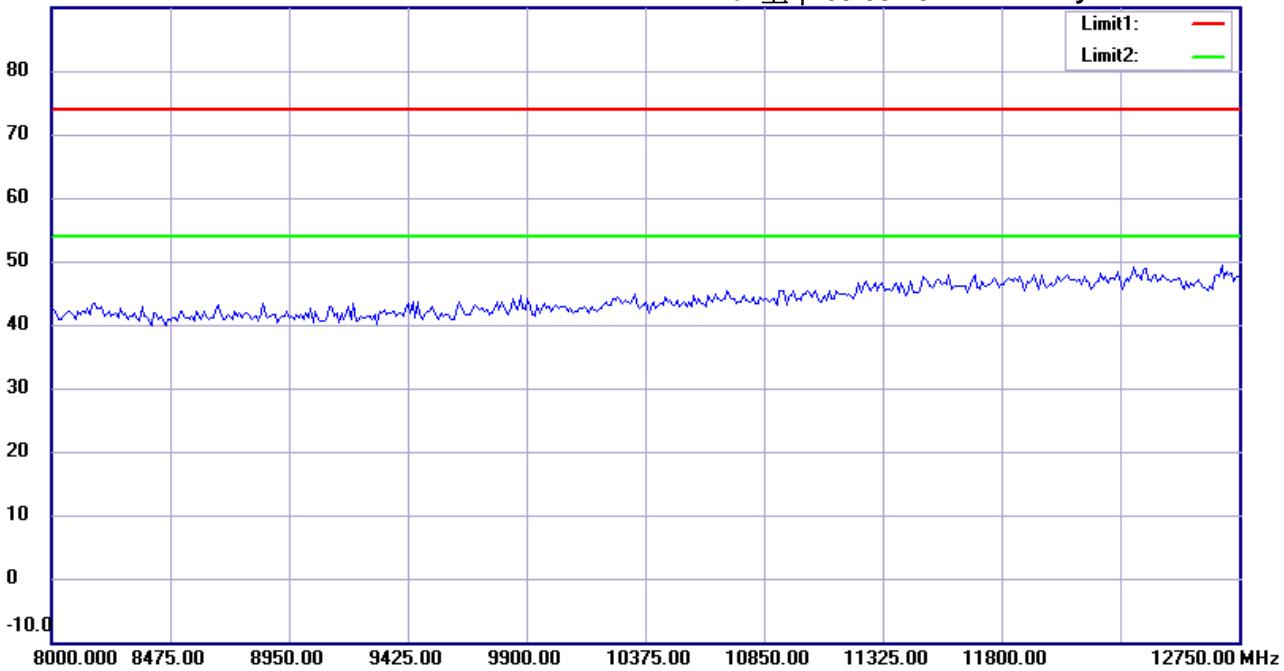
Date: 2015/9/20

Temperature:24 °C

90.0 dBuV/m

Time: 上午 03:08:10

Humidity:60 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
Tel:+886-2-6606-8877  
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File :3

Radiated Emission Measurement

Operator: Leon

Data :#6

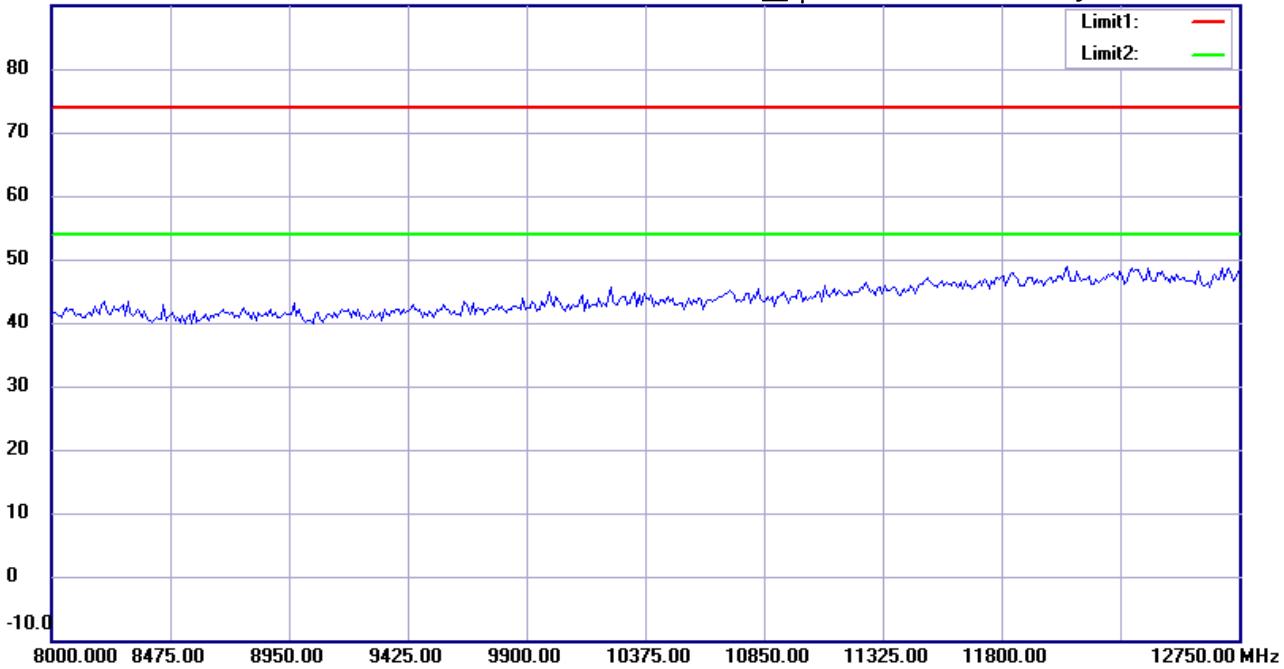
Date: 2015/9/20

Temperature:24 °C

90.0 dBuV/m

Time: 上午 03:09:04

Humidity:60 %



Site : Chamber

Condition : FCC\_part 15 RE-Class B\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21410-14528

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : RX 927.25MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------