

**FCC PART 15 SUBPART C / IC RSS-247 TEST REPORT**  
**for**  
**Video Baby Monitor**  
**Model No.: 55931R**  
**FCC ID: 2AAGOMNB931RX**  
**IC: 23537-55931R**

of

Applicant: **iMODESTY TECHNOLOGY CORP.**  
Address: **3F-1, No.76, Sec. 2, Jiafeng S. Rd., Zhubei City,  
Hsinchu County 302, Taiwan**

Tested and Prepared

by

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

**FCC Registration No.: TW1477, TW0020, TW1072**

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

**A2LA Accredited No.: 2732.01**



**Report No.: W6M21712-17677-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)

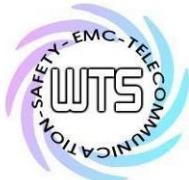


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21712-17677-C-1  
FCC ID: 2AAGOMNB931RX  
IC: 23537-55931R

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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:**

March 8, 2018

Kent Lin

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Date

WTS-Lab.

Name

Signature

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

March 8, 2018

Kevin Wang

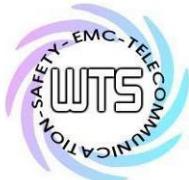
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Date

WTS

Name

Signature



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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. TW1477, TW0020, TW1072

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 : iMODESTY TECHNOLOGY CORP.

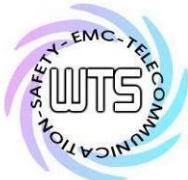
Street : 3F-1, No.76, Sec. 2, Jiafeng S. Rd.,

Town : Zhubei City, Hsinchu County 302,

Country : Taiwan

Telephone : +886-3-668-2169

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## **1.4 Application details**

Date of receipt of test item : January 19, 2018  
Date of test : from January 19, 2018 to March 8, 2018

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

Type of test item : Video Baby Monitor  
Model Number : 55931R  
Multi-listing model number : ./.  
Photos : see Appendix

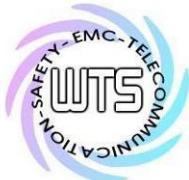
### **Technical data**

Frequency band : 2406-2475 MHz  
Frequency ( ch A ) : 2406 MHz  
Frequency ( ch B ) : 2442 MHz  
Frequency ( ch C ) : 2475 MHz

### Transmitter      Unom

Power ( ch A or ch 1 ) : Conducted: 17.34 dBm  
Power ( ch B or ch 13 ) : Conducted: 17.89 dBm  
Power ( ch C or ch 24 ) : Conducted: 17.96 dBm  
  
Power supply : Adaptor: I/P: 100Vac~240Vac, 50/60Hz, 0.2A  
                  O/P: 5Vdc, 1000Ma  
                  Battery: 3.7Vd.c., 850mAh

Operation modes : Half-duplex  
Modulation Type : FHSS  
Antenna Type : Dipole antenna  
Antenna gain : 2 dBi  
  
Host device : none



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Classification :

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

## **Manufacturer:**

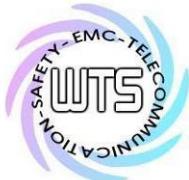
(if applicable)

Name : LB Technology Co.,Ltd.  
Street : No.1 Fuhua Road, 1st Industrial District  
Town : TanZhou Town, ZhongShan City,GuangDong Province,  
Country : China

## **1.6 Test standards**

Technical standard : FCC RULES PART 15 SUBPART C § 15.247 (2016-10)

RSS-247 Issue 2: February 2017



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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 : Adaptor: I/P: 100Vac~240Vac, 50/60Hz, 0.2A  
O/P: 5Vdc, 1000mA  
Battery: 3.7Vd.c., 850mAh

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

Description of Tested System : ./

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty : 1.54 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty : 0.009-30 MHz : 2.17 dB 30-1000 MHz : 3.57 dB 1-18 GHz : 2.60 dB 18-40 GHz : 2.58 dB
Estimation Result of Uncertainty of Bandwidth Measurement 20 dB Bandwidth, Occupied bandwidth, Channel bandwidth, Necessary Bandwidth	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement Output power	Expanded Uncertainty : 1.01 dB
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 0.98 dBc
Estimation Result of Uncertainty of Frequency Separation Measurement Hopping channel separation	Expanded Uncertainty : 552.91 Hz
Estimation Result of Uncertainty of Duty Cycle Measurement Dwell time	Expanded Uncertainty : 0.099 ms



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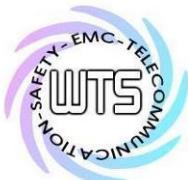
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## 2.3 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2017/5/26	2018/5/25
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2017/10/26	2018/10/25
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2017/8/22	2018/8/21
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	2017/7/14	2018/7/13
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2017/8/31	2018/8/30
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2017/7/11	2018/7/10
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2017/5/26	2018/5/25
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2017/5/17	2018/5/16
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2017/8/25	2018/8/24
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	2017/7/4	2018/7/3
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2017/7/3	2018/7/2
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2017/3/22	2018/3/21
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2018/1/23	2019/1/22
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2017/4/10	2018/4/9
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2017/4/27	2018/4/26
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2018/3/1	2019/2/28
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2018/3/1	2019/2/28
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2018/3/1	2019/2/28
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2018/2/21	2019/2/20
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2018/3/1	2019/2/28
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2017/4/12	2018/4/11
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	2017/9/11	2018/9/10
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2017/9/19	2018/9/18
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2017/4/6	2018/4/5



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ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2018/2/23	2019/2/22
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	2018/1/15	2019/1/14
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2017/5/26	2018/5/25
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2017/8/9	2018/8/8
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2017/8/9	2018/8/8
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2018/2/21	2019/2/20
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2017/8/9	2018/8/8
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2017/8/9	2018/8/8
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2017/4/12	2018/4/11
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2017/3/22	2018/3/21
ETSTW-RE 151	Thermohygrometer	608-h1	45104376	TESTO	2017/8/30	2018/8/29
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2017/5/10	2018/5/9
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2018/2/27	2019/2/26
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2018/3/2	2019/3/1
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2017/10/16	2018/10/15
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40/12+9SS	3	WI	2018/1/11	2019/1/10
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2018/1/11	2019/1/10
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2018/1/11	2019/1/10
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2018/1/11	2019/1/10
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2017/9/13	2018/9/12
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2018/2/22	2019/2/21
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2018/2/22	2019/2/21
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2018/2/22	2019/2/21
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2018/2/22	2019/2/21
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2017/7/3	2018/7/2
ETSTW-Cable 022	N TYPE Cable	5006	0002	JYE BAO CO.,LTD.	2017/4/6	2018/4/5
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2018/2/21	2019/2/20
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2017/5/12	2018/5/11
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2017/9/7	2018/9/6
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2017/9/7	2018/9/6
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2018/2/21	2019/2/20



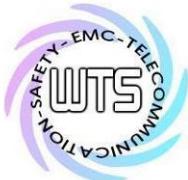
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ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S_Cable 10)	238092	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325519	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2018/2/21	2019/2/20
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2017/4/12	2018/4/11
ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2017/8/31	2018/8/30
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2018/2/21	2019/2/20
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMCA	None	Farad	Version ETS-03A1	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	



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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 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:

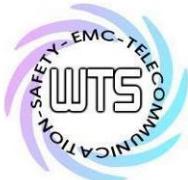
Freq (MHz)	METER READING + ACF + CABLE LOSS (to the receiver) = FS
33	$20 \text{ dB}\mu\text{V} + 10.36 \text{ dB} + 6 \text{ dB} = 36.36 \text{ dB}\mu\text{V/m @3m}$

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.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.



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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:

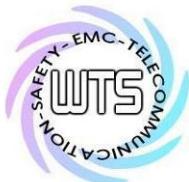
Average = Peak + Duty Factor

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.



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

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b) IC RSS-247 5.4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equivalent isotropically radiated Power	15.247(b) IC RSS-247 5.4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions radiated – Transmitter operating	15.247(c) IC RSS-247 5.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions conducted – Transmitter operating	15.247 IC RSS-247 5.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carrier Frequency Separation	15.247(a) (1) IC RSS-247 5.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Number of Hopping Frequencies	15.247(a) (1)(i) IC RSS-247 5.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Time of Occupancy (Dwell Time)	15.247(a) (1)(i) IC RSS-247 5.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20 dB Bandwidth	15.247(a) (1)(i) IC RSS-247 5.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Band-edge Compliance of RF Emission	15.247(c) IC RSS-247 5.1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Emission from Receiver part	15.109 IC RSS-247 5.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Power Line Conducted Emission	15.207(a) IC RSS-Gen	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

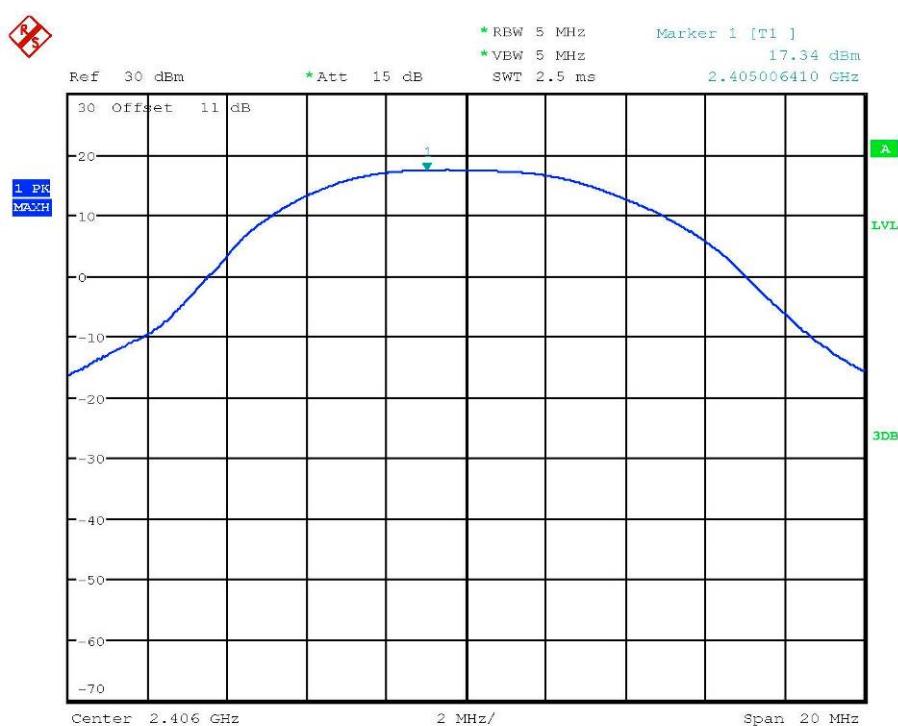
IC: 23537-55931R

### 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).

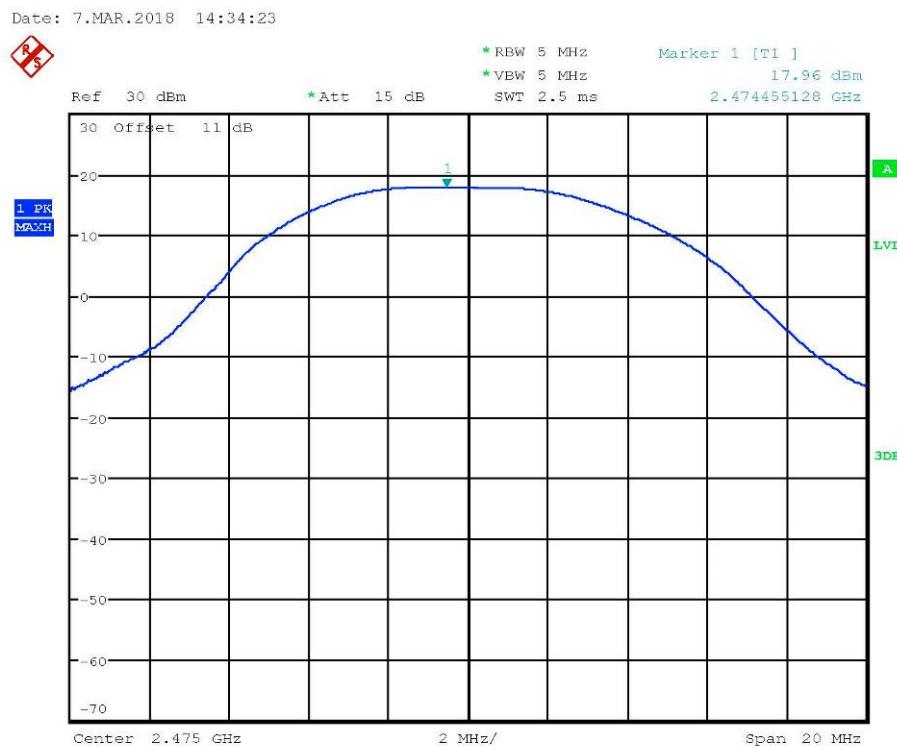
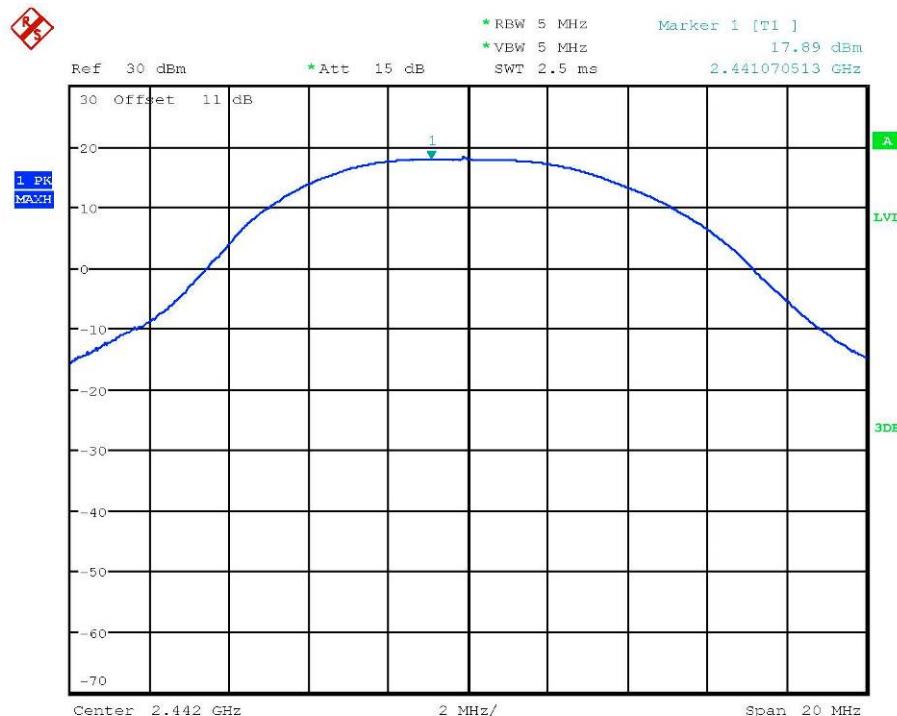


Date: 7.MAR.2018 14:33:12

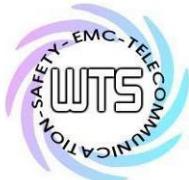
Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



Date: 7.MAR.2018 14:34:48



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

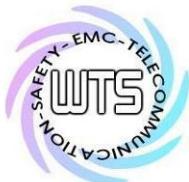
## **Maximum Peak Output Power**

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 064



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## **3.2 RF Exposure Compliance Requirements**

FCC Rule: 15.247(b)(3)

Text exclusion = max. conducted output power

Text exclusion = 17.96 dBm

Test equipment used: ETSTW-RE 055

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

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.

The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.

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

S – Power Density

P – Output power ERP

R – Distance

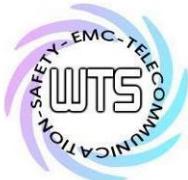
D – Cable Loss

AG – Antenna Gain

Item	Unit	Value	Remarks
P	mW	62.5173	Peak value
D	dB	--	
AG	dBi	2	
G	--	1.5849	Calculated Value
R	cm	20	Assumed value
S	mW/cm <sup>2</sup>	0.0197	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: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## **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 followings:

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

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

Note: See attached diagrams.

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062,  
ETSTW-RE 142, ETSTW-RE 147



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## **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“.

Model:	55931R		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)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Polarization: Vertical

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

**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.**  
**Measurement uncertainty above 1GHz: 30-1000 MHz = ±3.57 dB, 1-18 GHz = ± 2.60 dB,  
18-40 GHz = ± 2.58 dB ; Reported uncertainties represent expanded uncertainties  
expressed at approximately the 95% confidence level using a coverage factor of k = 2.**
5. **See attached diagrams in appendix.**



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

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.

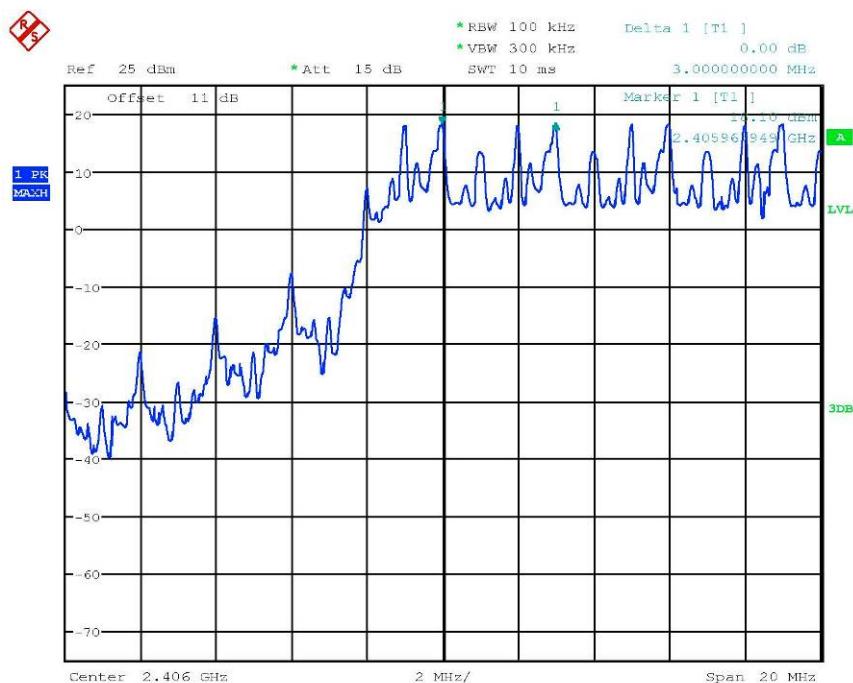
Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062,  
ETSTW-RE 142, ETSTW-RE 147

Registration number: W6M21712-17677-C-1  
 FCC ID: 2AAGOMNB931RX  
 IC: 23537-55931R

### 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.

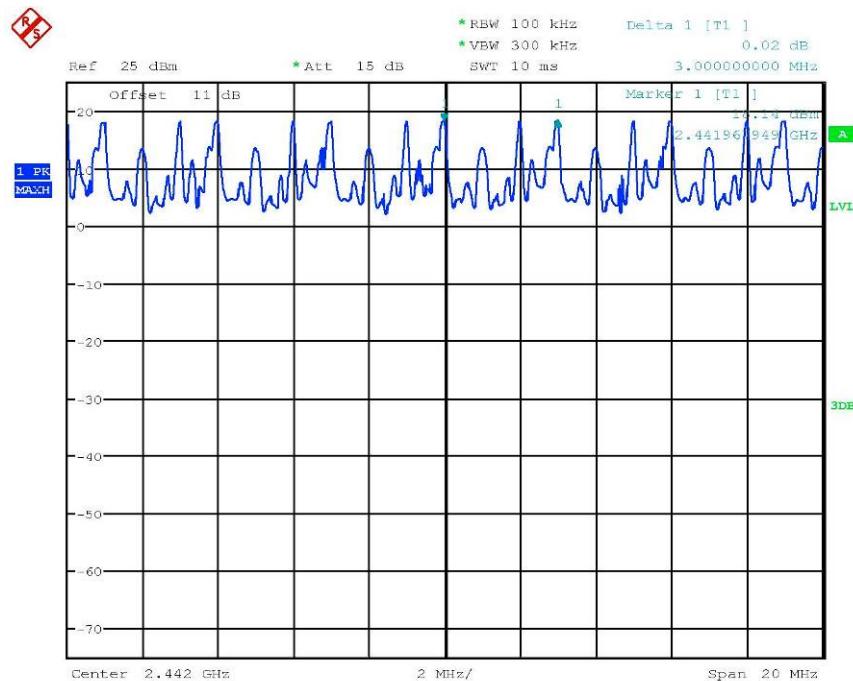


FREQUENCY SEPARATION 2406MHZ  
 Date: 8.MAR.2018 11:08:57

Registration number: W6M21712-17677-C-1

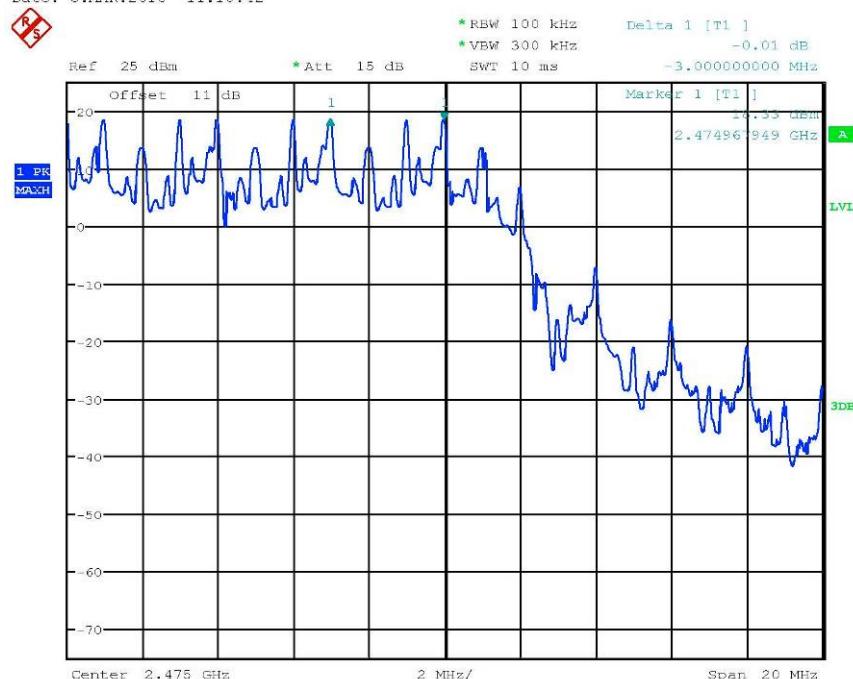
FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



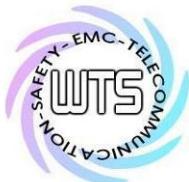
FREQUENCY SEPARATION 2442MHz

Date: 8.MAR.2018 11:10:42



FREQUENCY SEPARATION 2475MHz

Date: 8.MAR.2018 11:12:51



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## 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: W6M21712-17677-C-1

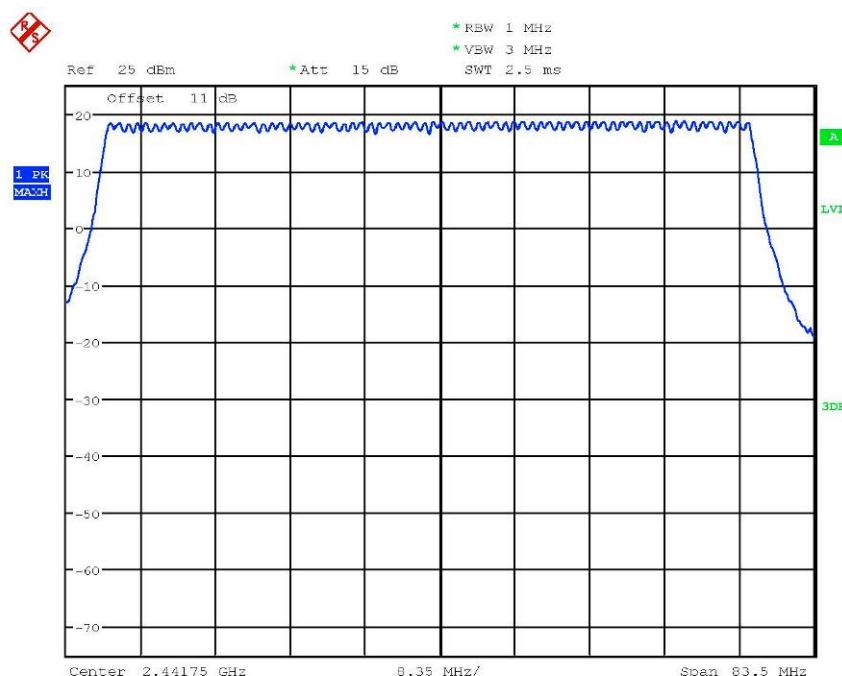
FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

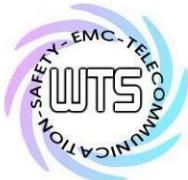
### 3.7 Number of Hopping Frequencies

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: 8.MAR.2018 11:04:06



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

Registration number: W6M21712-17677-C-1

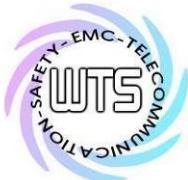
FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## 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: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## **3.7.1 Pseudorandom Frequency Hopping Sequence**

This FHSS transmitter is controlled by a microchip to generate the Pseudorandom Frequency Hopping Sequence. There are three hopping sequences listed below:

Sequence : 2406, 2409, 2412, 2415, 2418, 2421, 2424, 2427, 2430, 2433, 2436, 2439, 2442, 2445, 2448, 2451, 2454, 2457, 2460, 2463, 2466, 2469, 2472, 2475



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

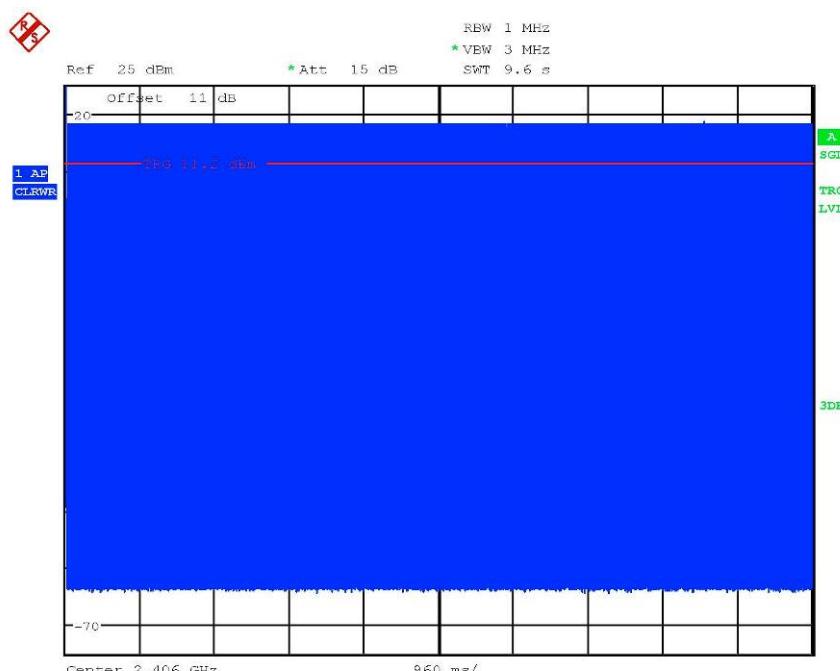
IC: 23537-55931R

## **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.

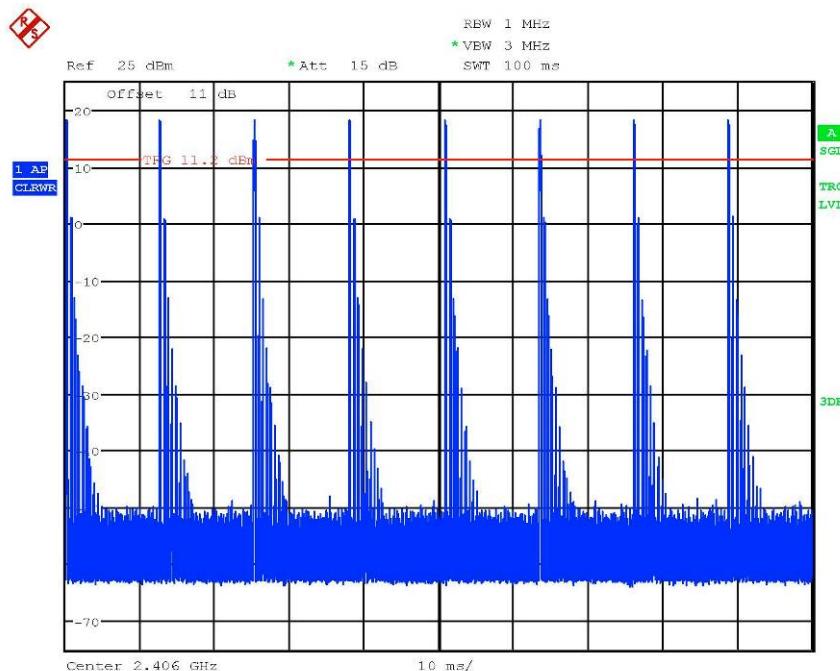


DWELL TIME 2406MHZ  
Date: 8.MAR.2018 11:38:28

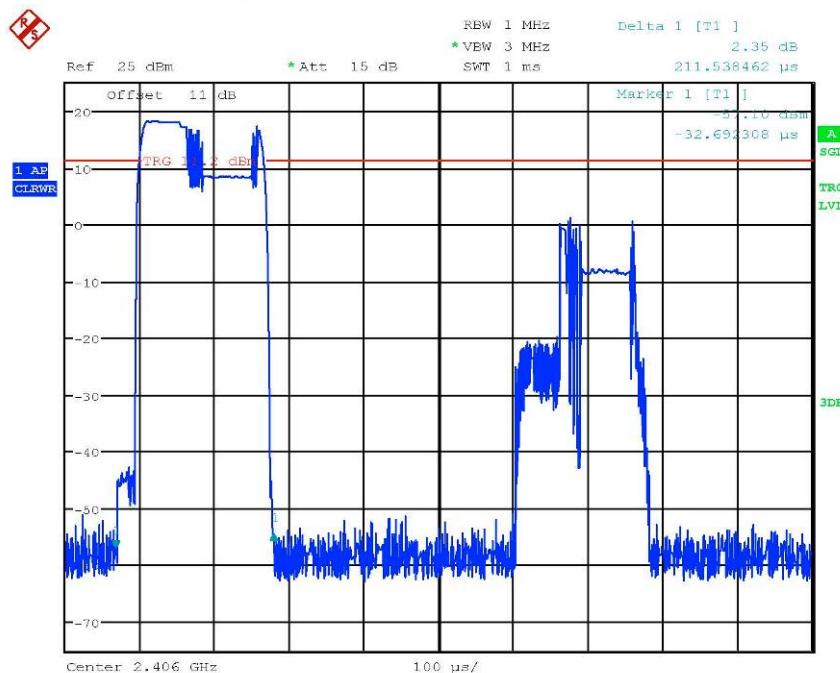
Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



DWELL TIME 2406MHZ  
Date: 8.MAR.2018 11:38:48

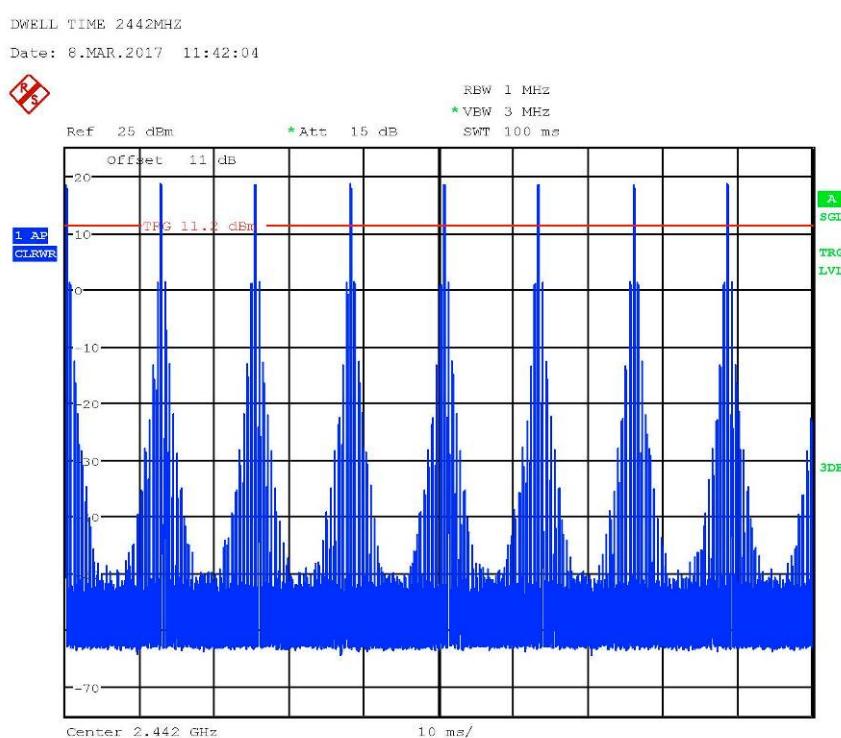
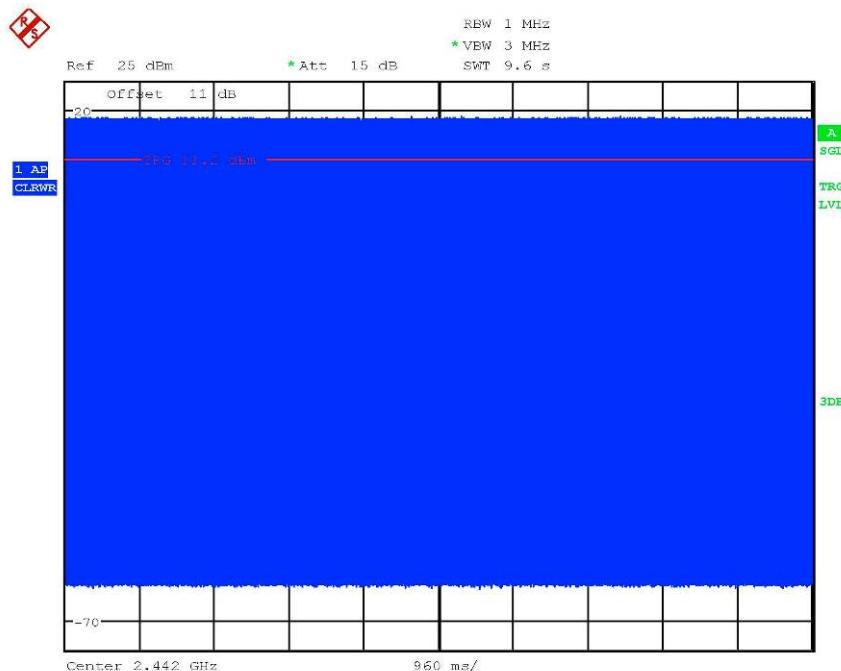


DWELL TIME 2406MHZ(0.211ms \*8+96=162.048ms)  
Date: 8.MAR.2018 11:40:24

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

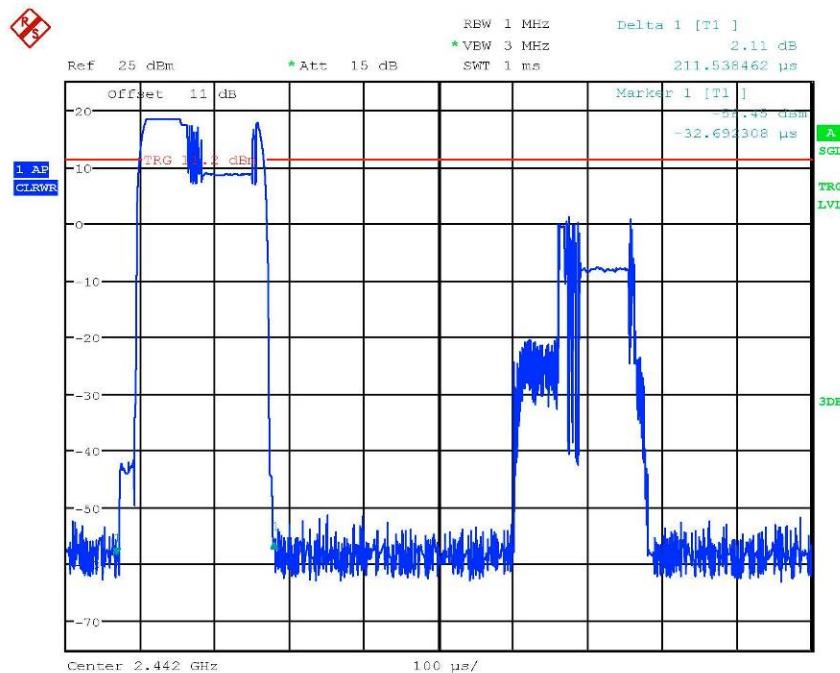


Dwell Time: 2442MHz  
Date: 8.MAR.2017 11:42:28

Registration number: W6M21712-17677-C-1

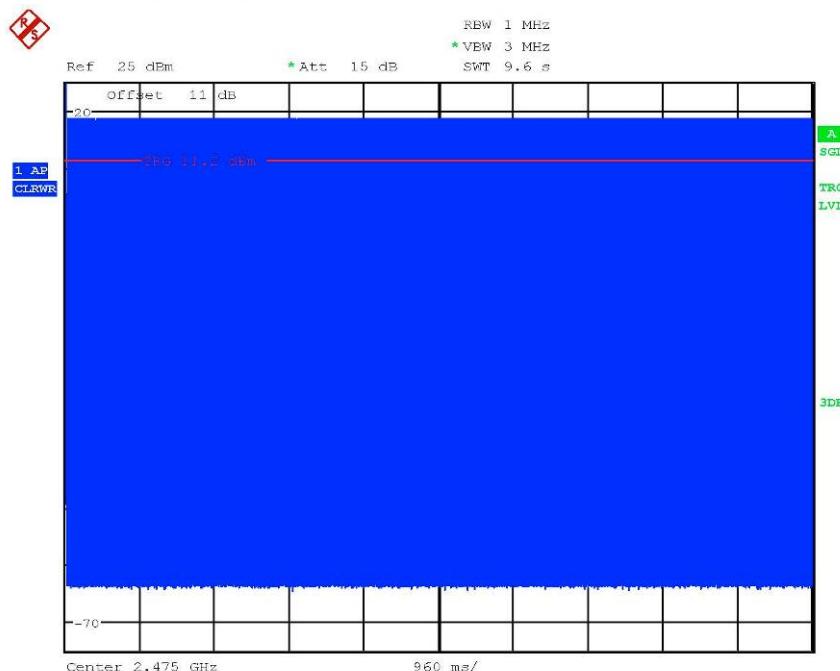
FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



DWELL TIME 2442MHZ(0.211ms \*8\*96=162.048ms)

Date: 8.MAR.2017 11:40:48



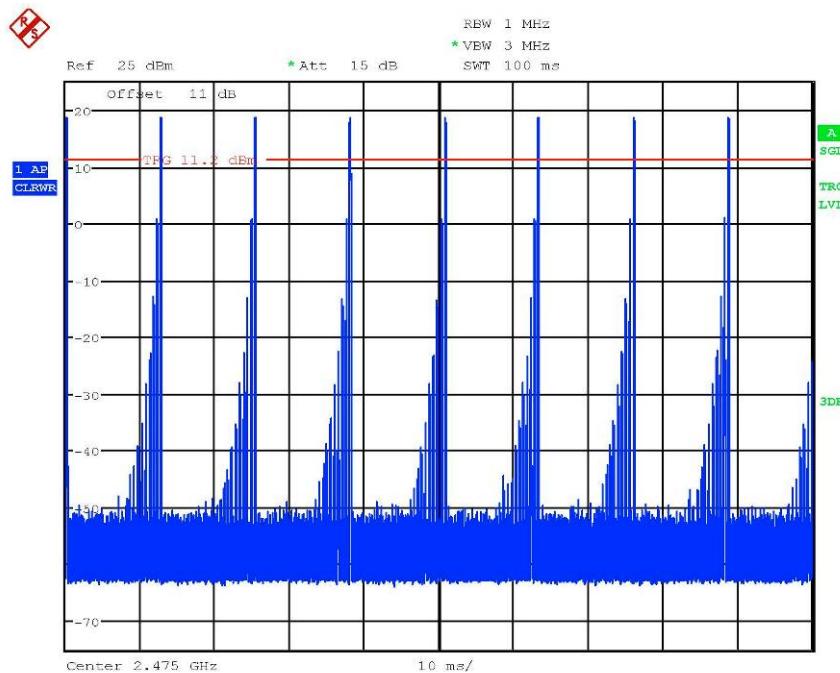
DWELL TIME 2475MHZ

Date: 8.MAR.2017 11:43:51

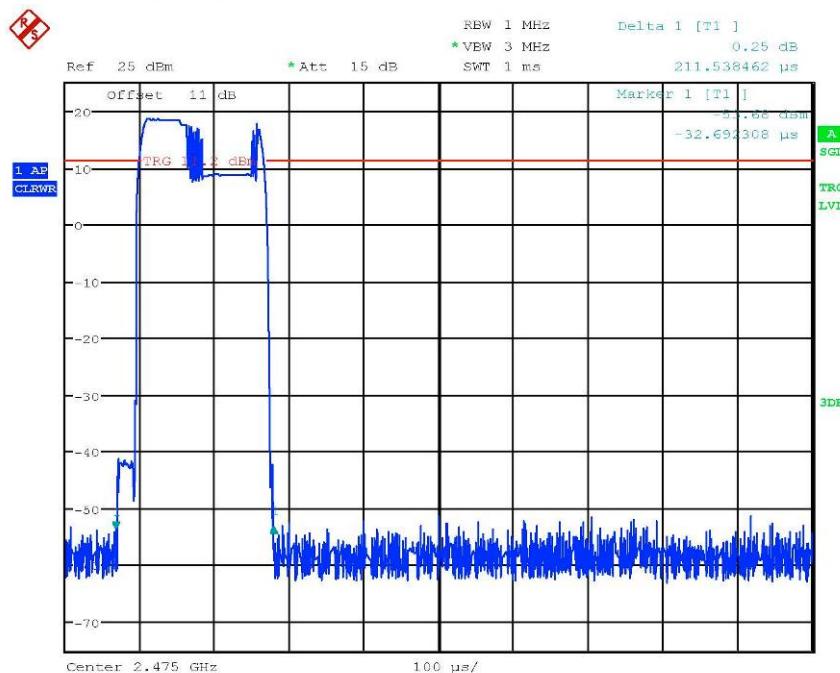
Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

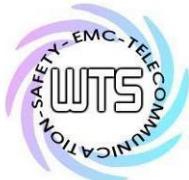
IC: 23537-55931R



DWELL TIME 2475MHZ  
Date: 8.MAR.2017 11:44:05



DWELL TIME 2475MHZ(0.211ms \*8\*96=162.048ms)  
Date: 8.MAR.2017 11:41:18



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## 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: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

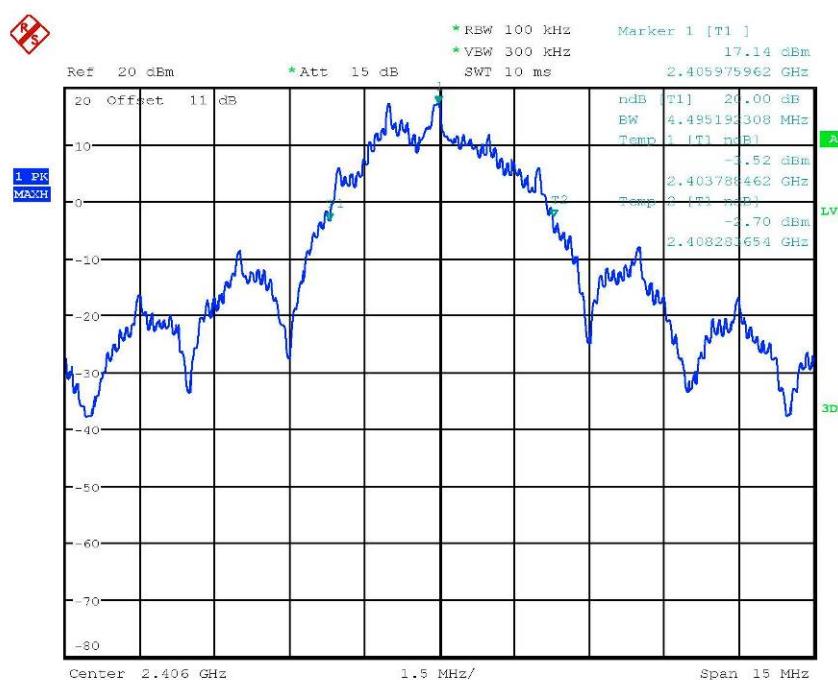
IC: 23537-55931R

### 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.

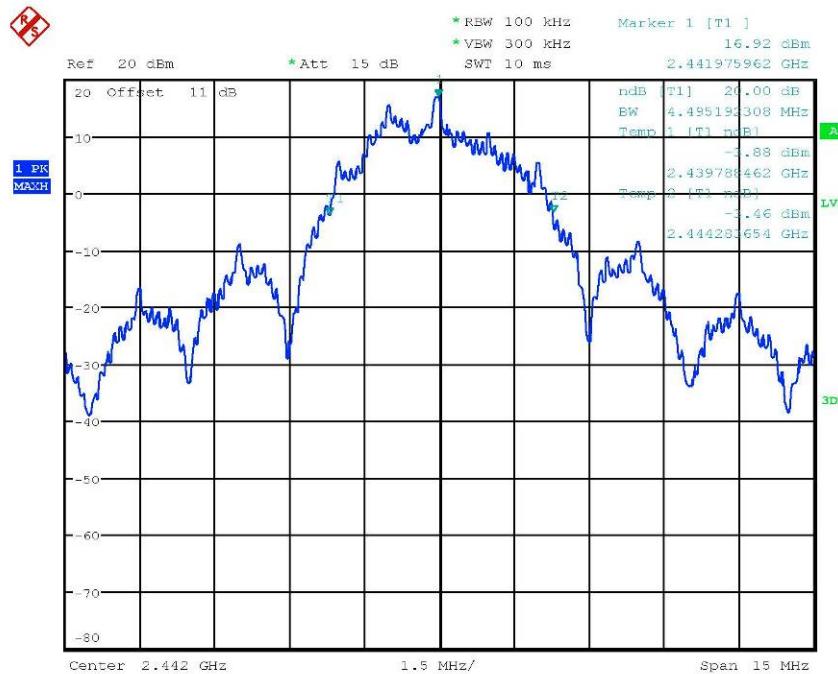


20DB BANDWIDTH 2406MHZ  
Date: 8.MAR.2018 10:49:26

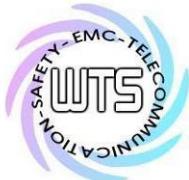
Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



20DB BANDWIDTH 2475MHZ  
Date: 8.MAR.2018 10:50:43



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## Limits:

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

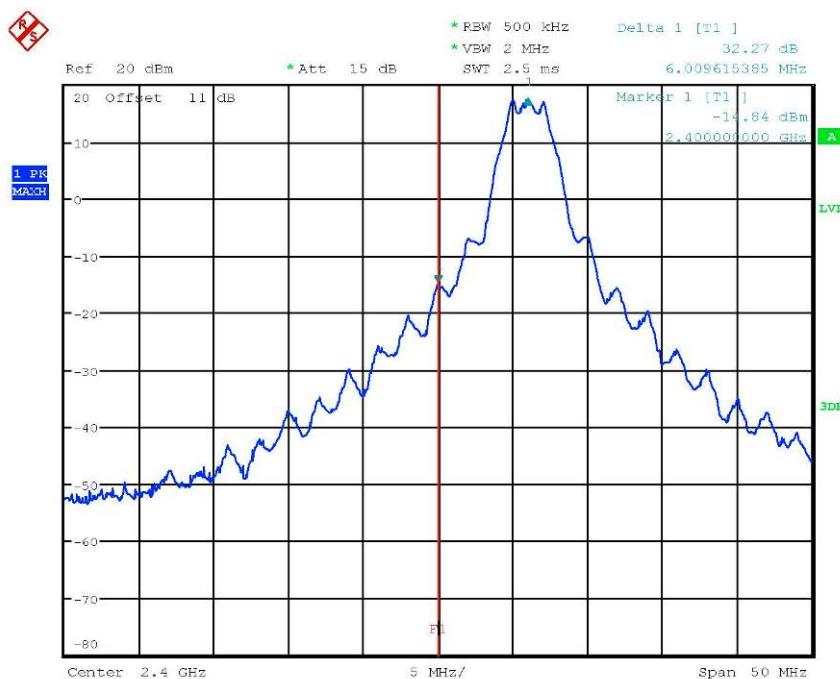
Test equipment used: ETSTW-RE 055, ETSTW-RE 064

Registration number: W6M21712-17677-C-1  
 FCC ID: 2AAGOMNB931RX  
 IC: 23537-55931R

### 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.

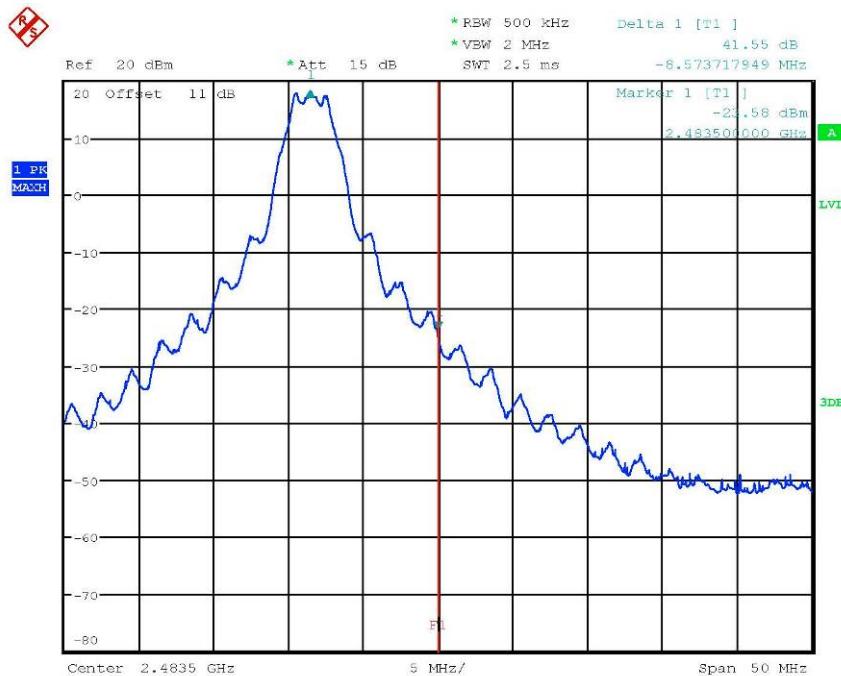


BANDEdge 2406MHz  
 Date: 8.MAR.2018 10:53:50

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

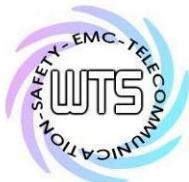


BANDEDDGE 2475MHZ  
Date: 8.MAR.2018 10:53:11

## 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: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## **3.11 Radiated Emissions from Receiver part**

Model: 55931R Date: --  
Mode: -- Temperature: -- °C Engineer: --  
Polarization: -- 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)	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.	Corr.	Peak	Ave.	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 for 3m measurement: 30-1000 MHz = ±3.57 dB, 1-18 GHz = ±2.60 dB, 18-40 GHz = ±2.58 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
6. Up Line: PK Limit Line, Down Line: Ave Limit Line.
7. 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 004, ETSTW-RE 030, ETSTW-RE 062,  
ETSTW-RE 142, ETSTW-RE 147



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

Registration number: W6M21712-17677-C-1

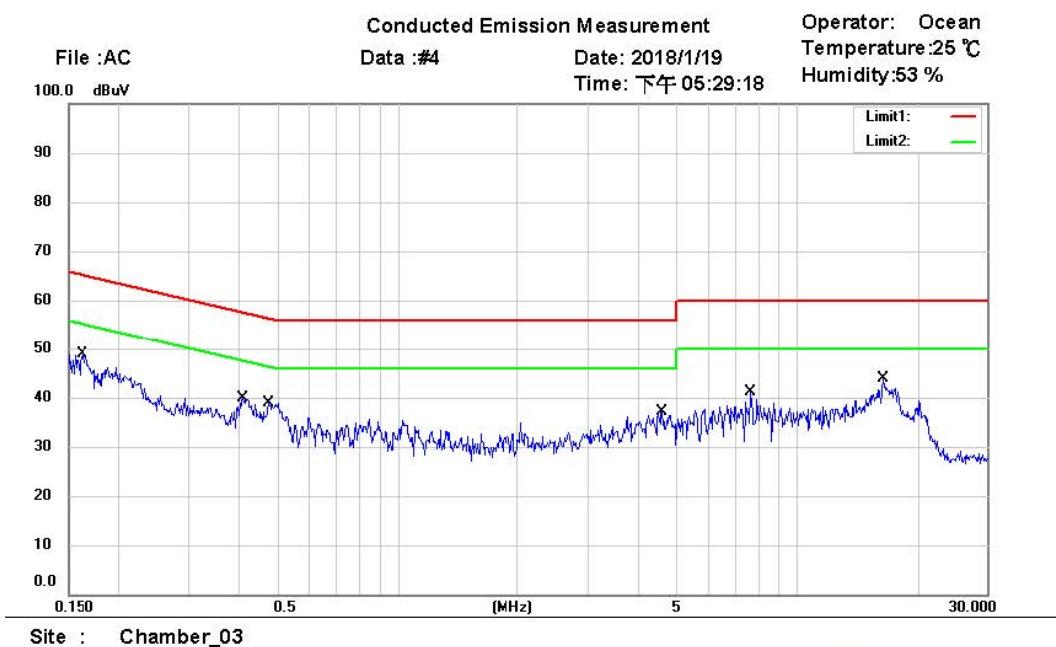
FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

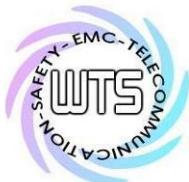
## 3.12 Power Line Conducted Emission

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.



Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1620	32.09	QP	9.74	41.83	65.36	-23.53	
	0.1620	16.37	AVG	9.74	26.11	55.36	-29.25	
	0.4097	22.14	QP	9.74	31.88	57.65	-25.77	
	0.4097	14.29	AVG	9.74	24.03	47.65	-23.62	
	0.4753	22.41	QP	9.74	32.15	56.42	-24.27	
*	0.4753	15.06	AVG	9.74	24.80	46.42	-21.62	
	4.5748	18.59	QP	9.90	28.49	56.00	-27.51	
	4.5748	8.23	AVG	9.90	18.13	46.00	-27.87	
	7.6375	19.76	QP	10.02	29.78	60.00	-30.22	
	7.6375	10.52	AVG	10.02	20.54	50.00	-29.46	
	16.3750	24.90	QP	10.20	35.10	60.00	-24.90	
	16.3750	12.49	AVG	10.20	22.69	50.00	-27.31	

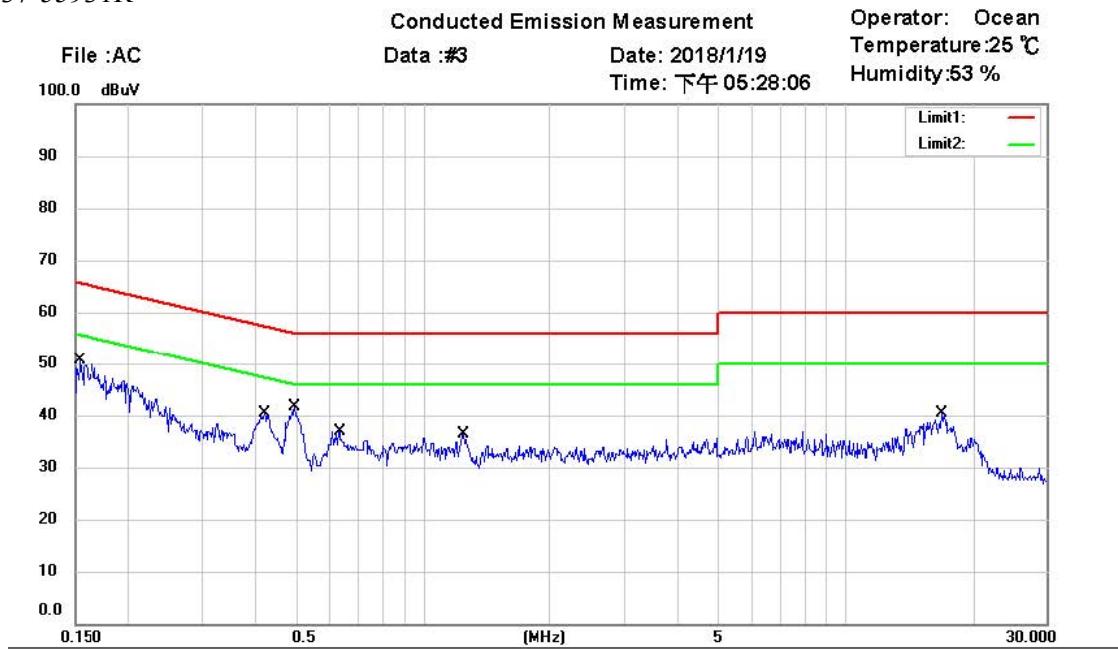


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



Site : Chamber\_03

Condition : FCC Part 15 Class B Conduction (QP)

Phase: L1

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

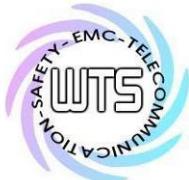
Test Mode : Charge RX

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1537	27.56	QP	9.73	37.29	65.80	-28.51	
	0.1537	11.87	AVG	9.73	21.60	55.80	-34.20	
	0.4212	26.42	QP	9.73	36.15	57.42	-21.27	
	0.4212	20.67	AVG	9.73	30.40	47.42	-17.02	
	0.4963	28.76	QP	9.73	38.49	56.06	-17.57	
*	0.4963	22.97	AVG	9.73	32.70	46.06	-13.36	
	0.6326	20.99	QP	9.73	30.72	56.00	-25.28	
	0.6326	16.04	AVG	9.73	25.77	46.00	-20.23	
	1.2358	21.00	QP	9.75	30.75	56.00	-25.25	
	1.2358	12.80	AVG	9.75	22.55	46.00	-23.45	
	16.8125	22.44	QP	10.10	32.54	60.00	-27.46	
	16.8125	11.04	AVG	10.10	21.14	50.00	-28.86	

## 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 =  $\pm 1.54$  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.



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## Limits:

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

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



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## Appendix

### A. Photos

1. External photos
2. Internal photos
3. Set up photo of Radiated Emission
4. Set up photo of Conducted Emission

### B. Measurement diagrams

Spurious Emissions radiated



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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## External Photos





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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R





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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R





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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

## Internal photos





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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R





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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



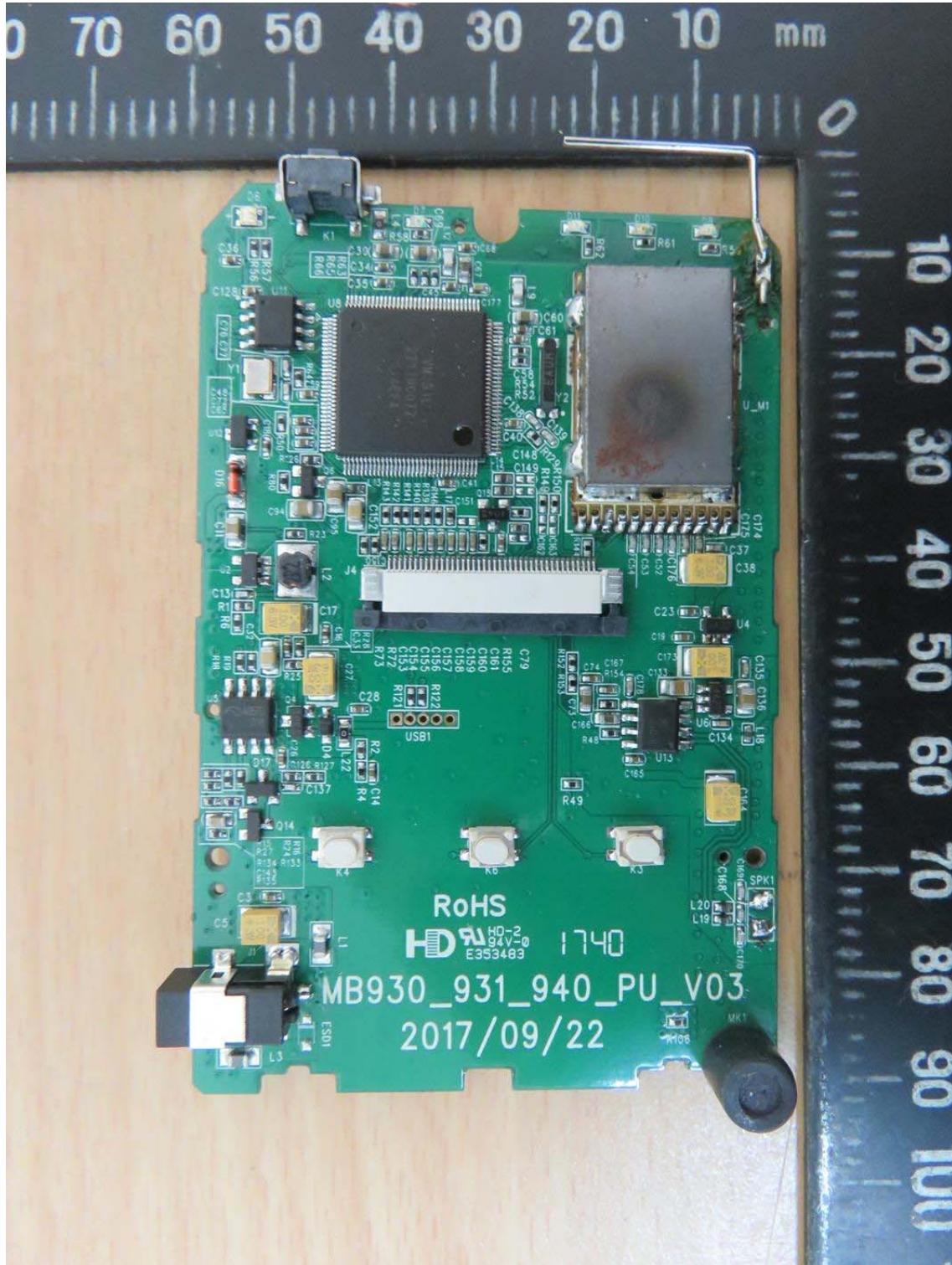


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R



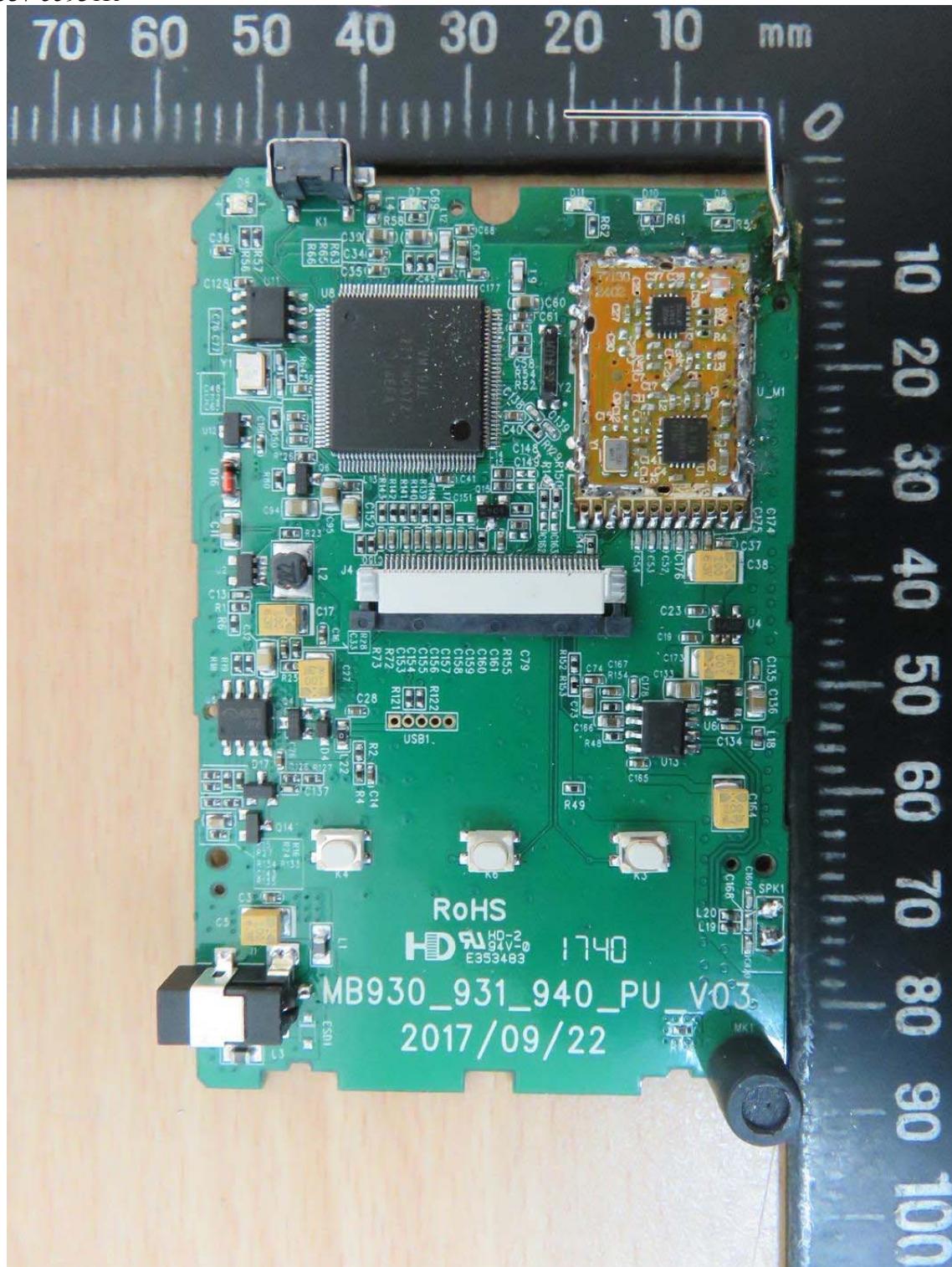


*Worldwide Testing Services(Taiwan) Co., Ltd.*

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

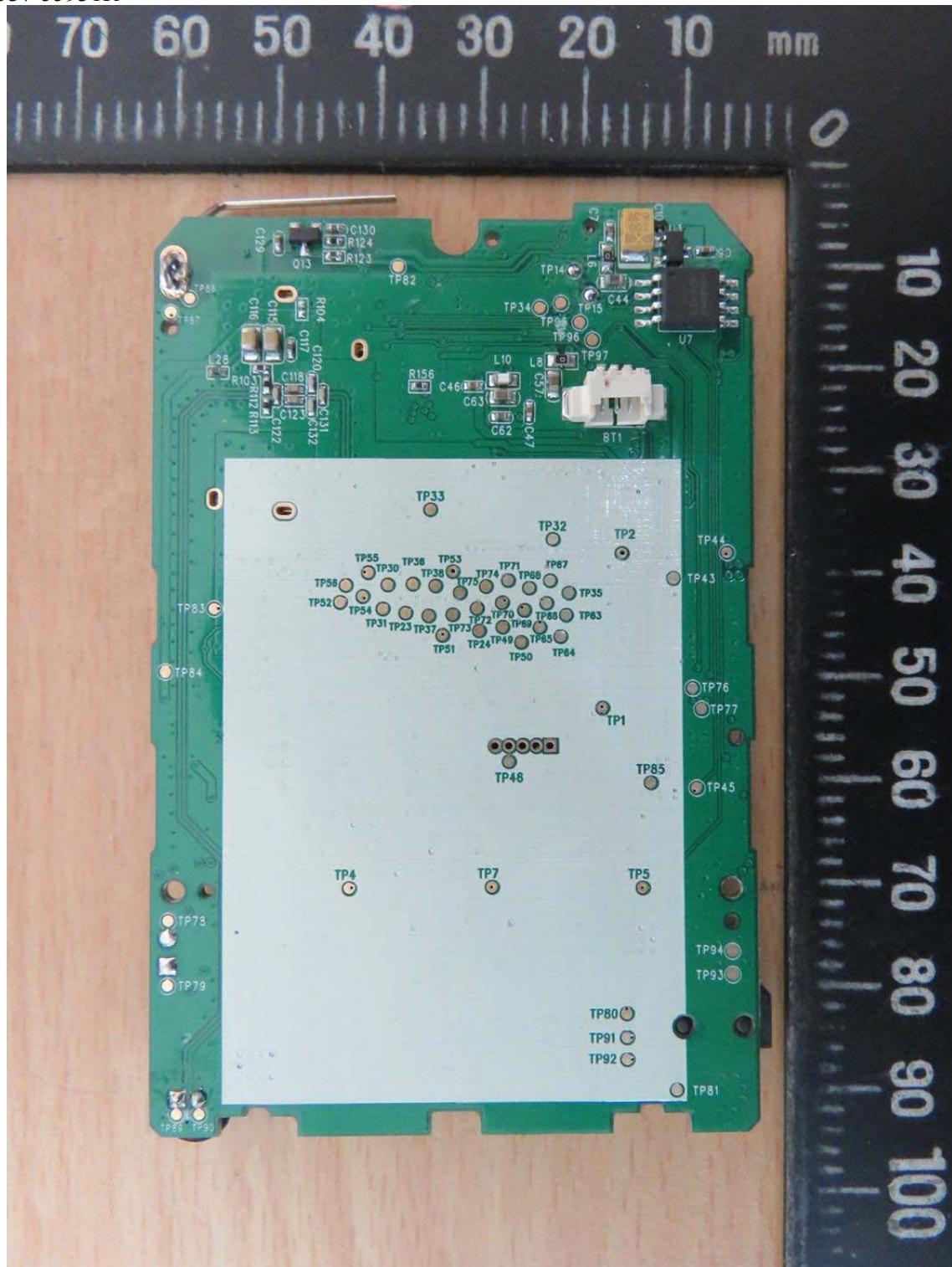


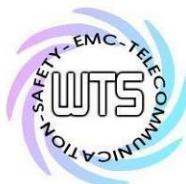
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R





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

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

IC: 23537-55931R





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

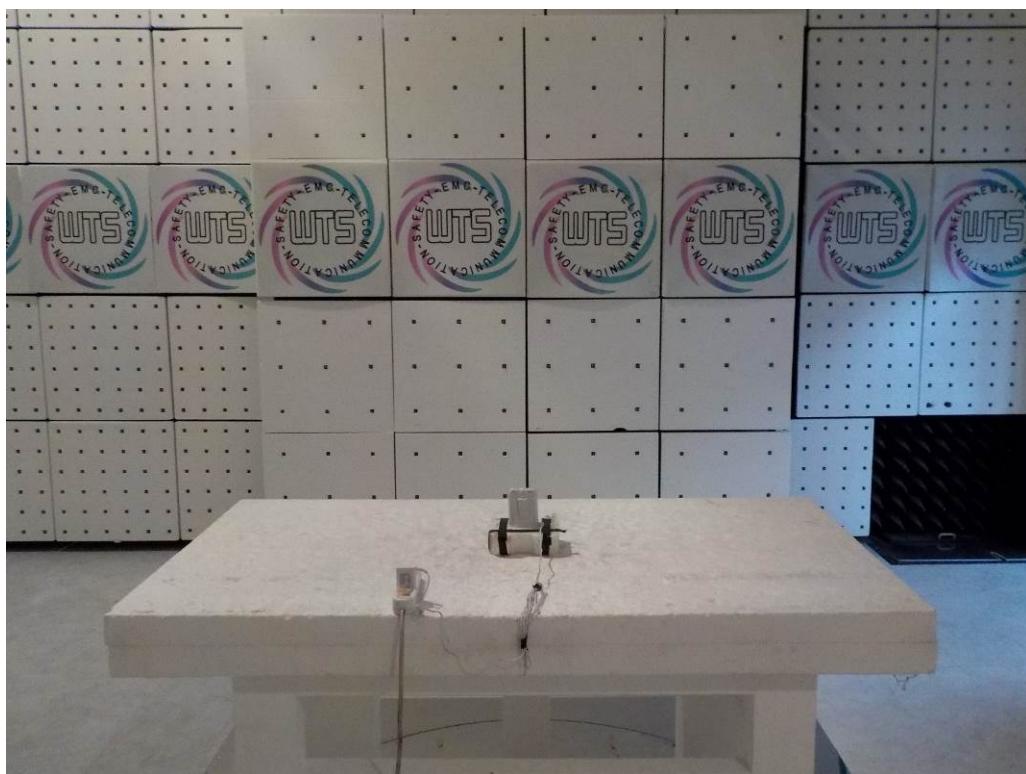
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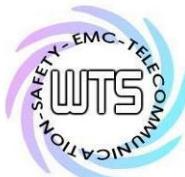
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IC: 23537-55931R

Set up photo of Radiated Emission

Below 1GHz





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

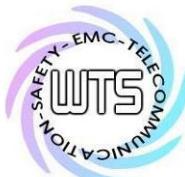
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FCC ID: 2AAGOMNB931RX

IC: 23537-55931R

Above 1GHz





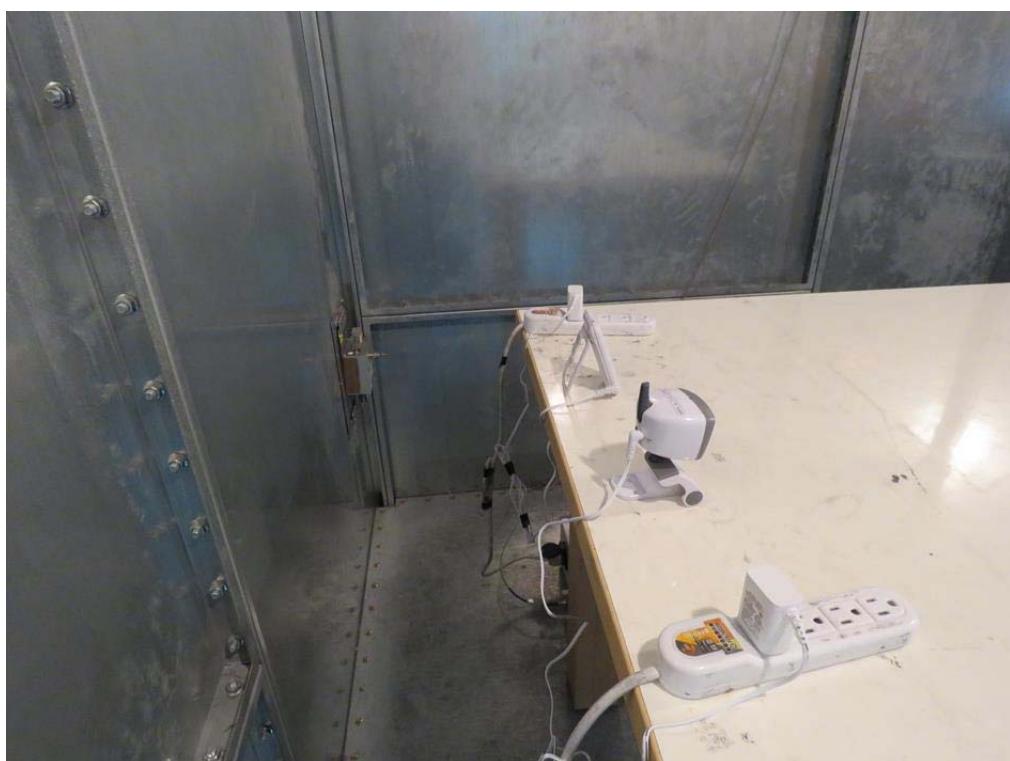
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21712-17677-C-1

FCC ID: 2AAGOMNB931RX

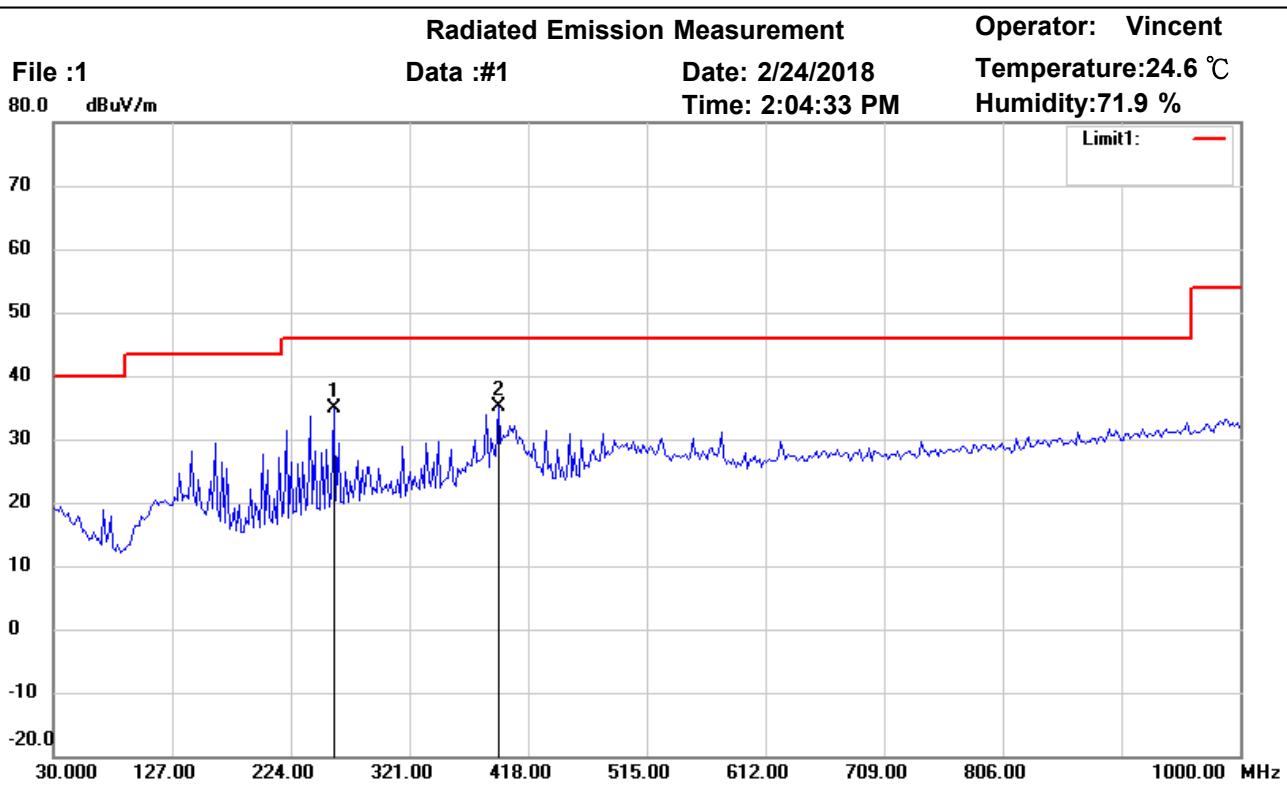
IC: 23537-55931R

Set up photo of Conducted Emission





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 C\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

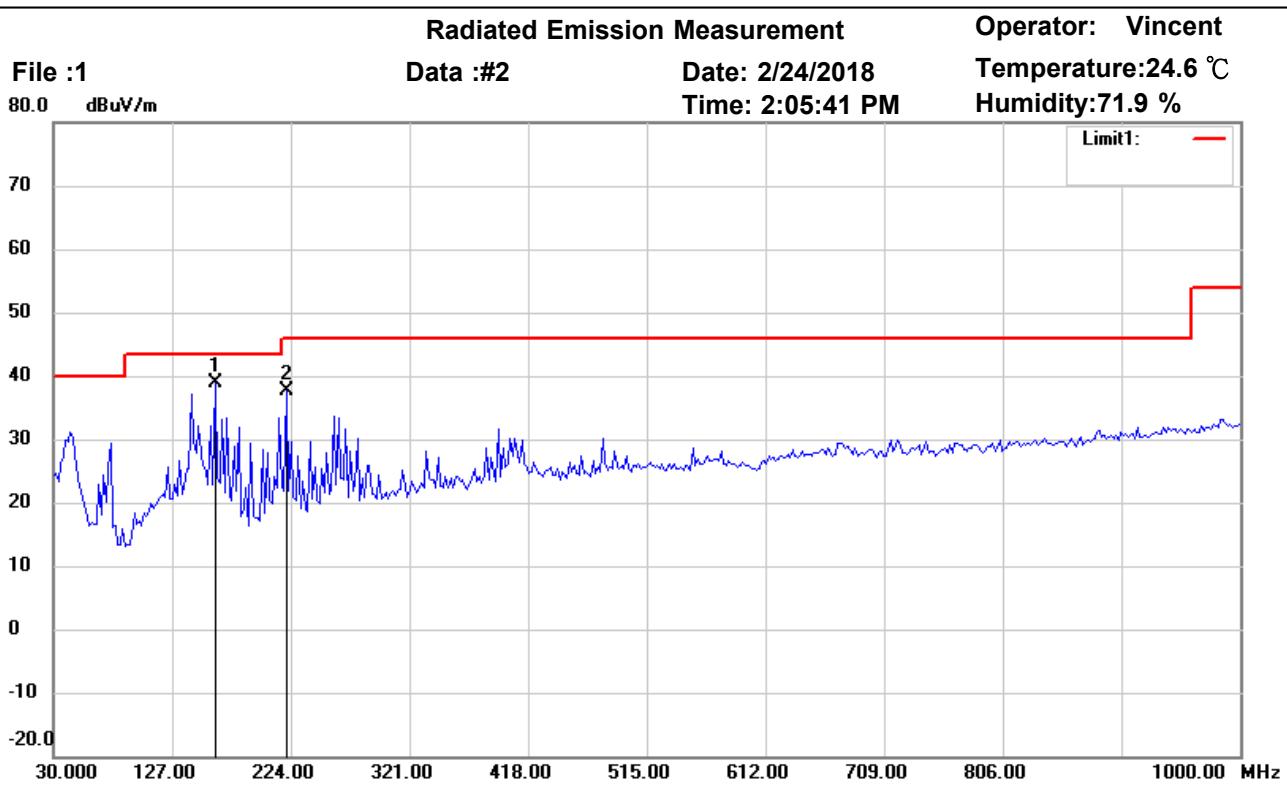
Test Mode : TX 2406MHz

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
	259.3788	42.10	peak	-7.25	34.85	46.00	100	125	-11.15	
*	393.5070	38.75	peak	-3.70	35.05	46.00	100	140	-10.95	



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 C\_30-1000MHz

Polarization: Vertical

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

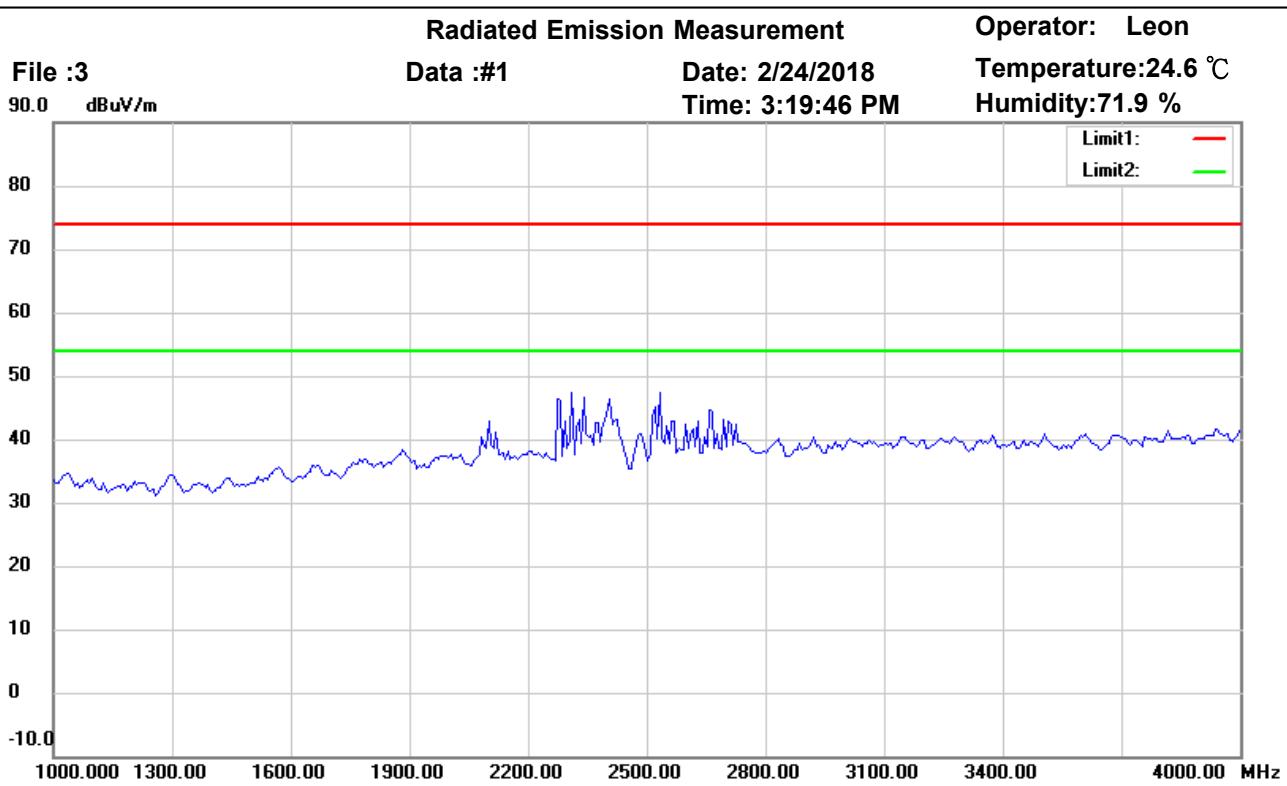
Test Mode : TX 2406MHz

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
*	162.1844	48.17	peak	-9.38	38.79	43.50	100	305	-4.71	
	220.5010	47.73	peak	-10.11	37.62	46.00	100	250	-8.38	



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

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

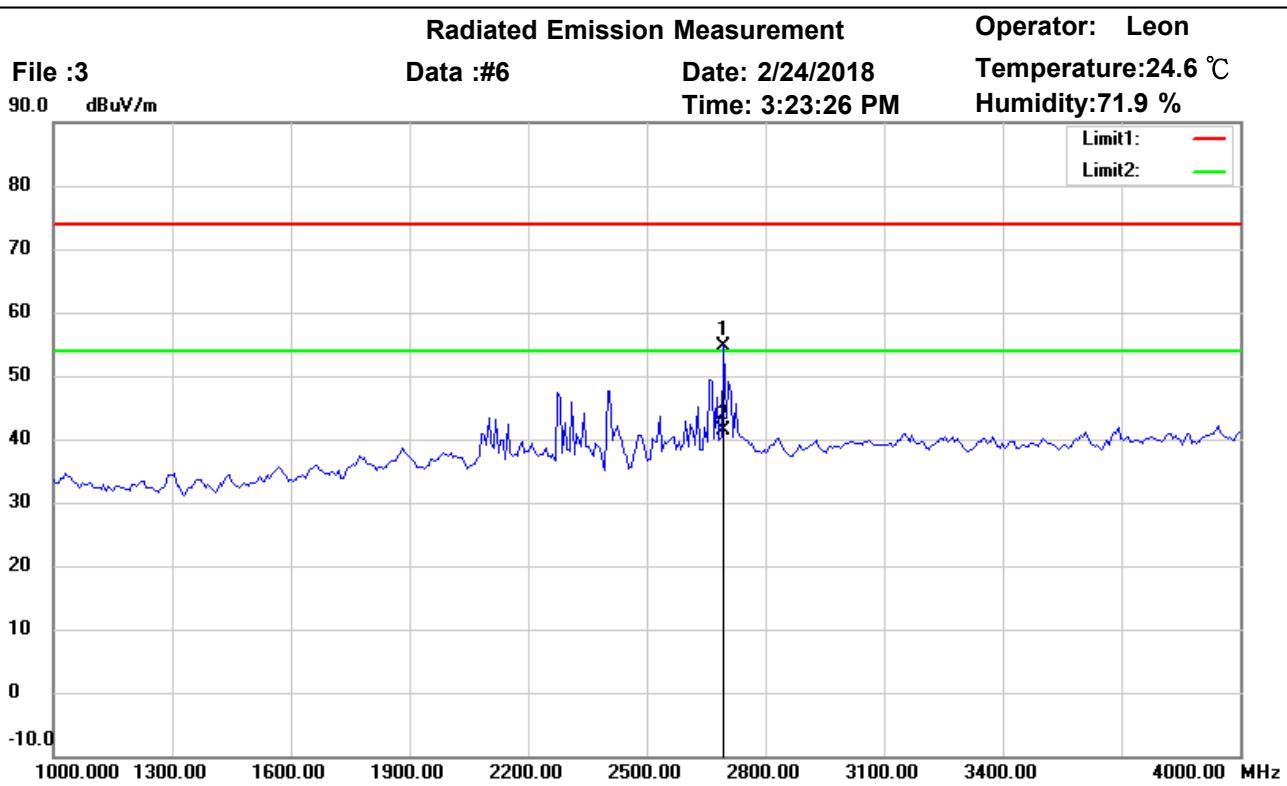
Test Mode : TX 2406MHz

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 C\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

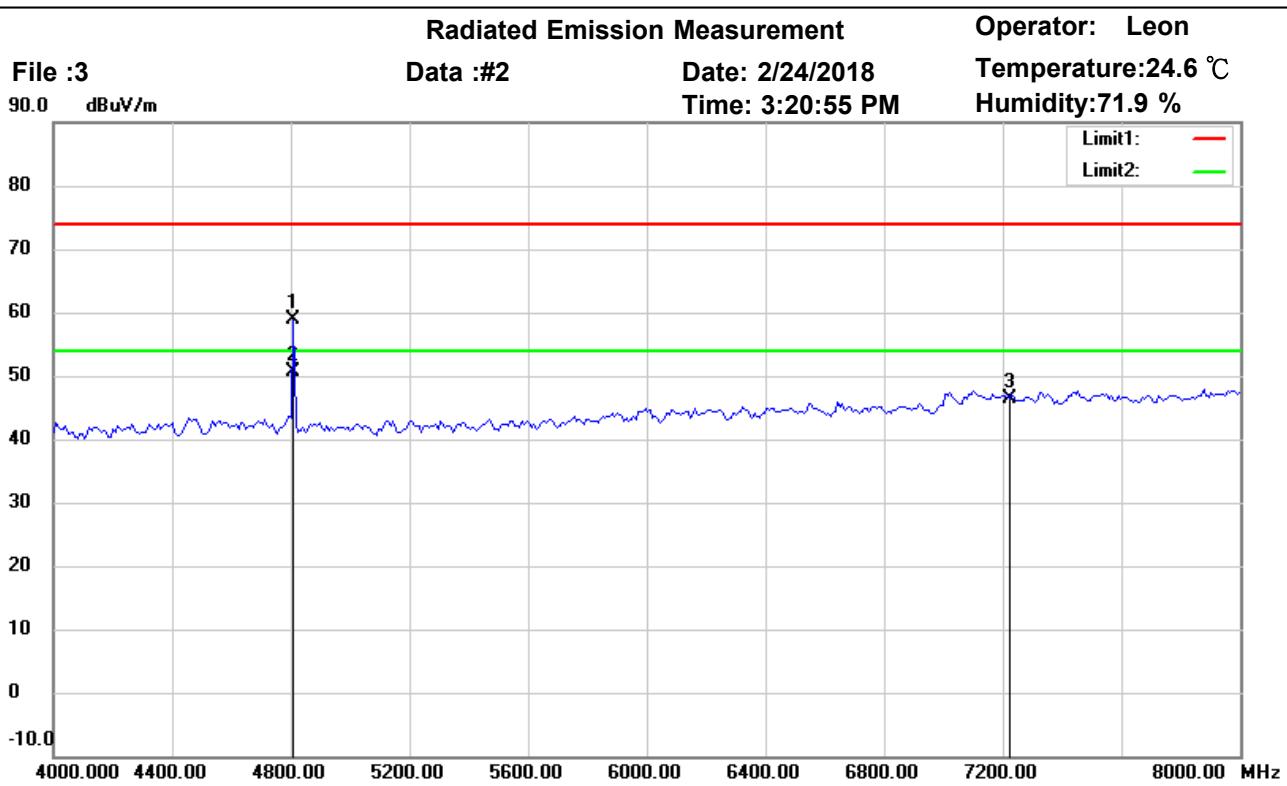
Test Mode : TX 2406MHz

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
	2693.357	58.69	peak	-3.98	54.71	74.00	100	270	-19.29	
*	2693.357	45.28	AVG	-3.98	41.30	54.00	100	270	-12.70	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2406MHz

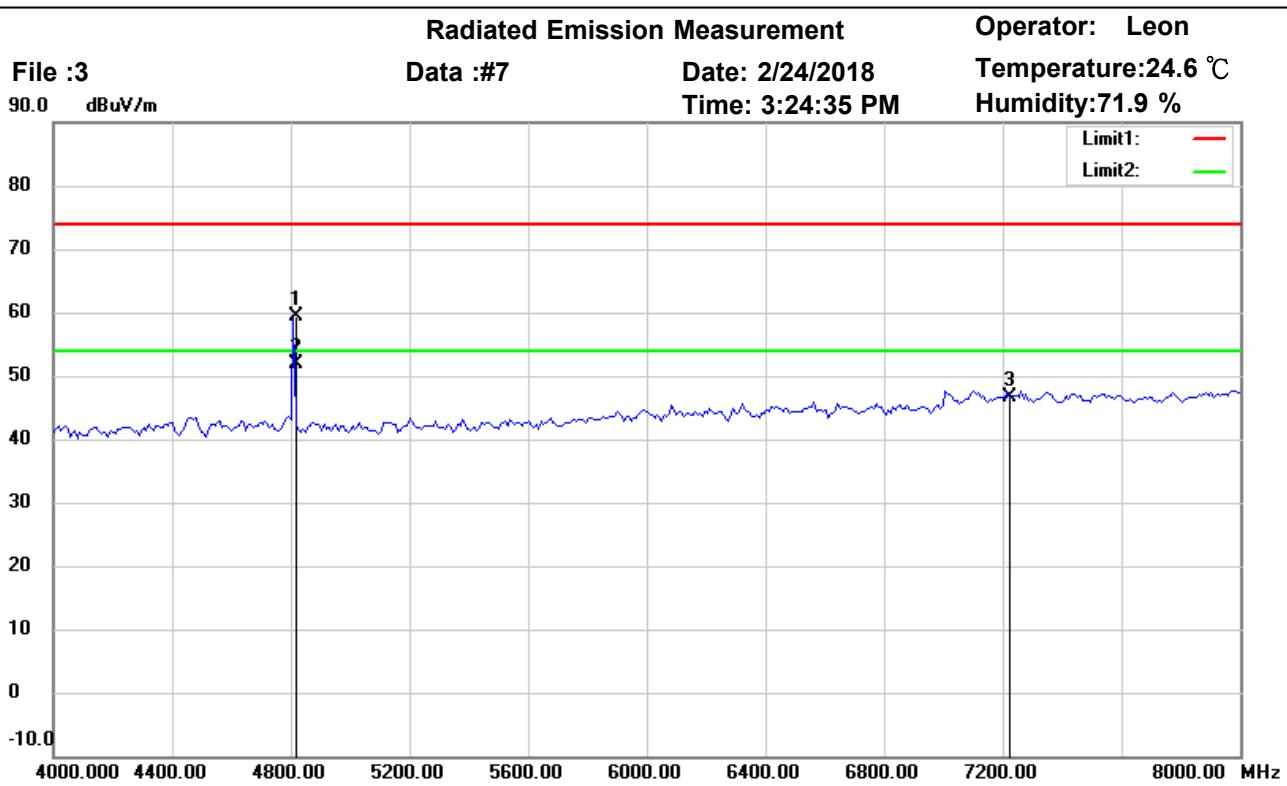
Note :

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
	4809.619	58.77	peak	0.09	58.86	74.00	150	335	-15.14	
*	4809.619	50.66	AVG	0.09	50.75	54.00	150	335	-3.25	
	7218.000	41.22	peak	5.06	46.28	74.00	150	80	-27.72	

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



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

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2406MHz

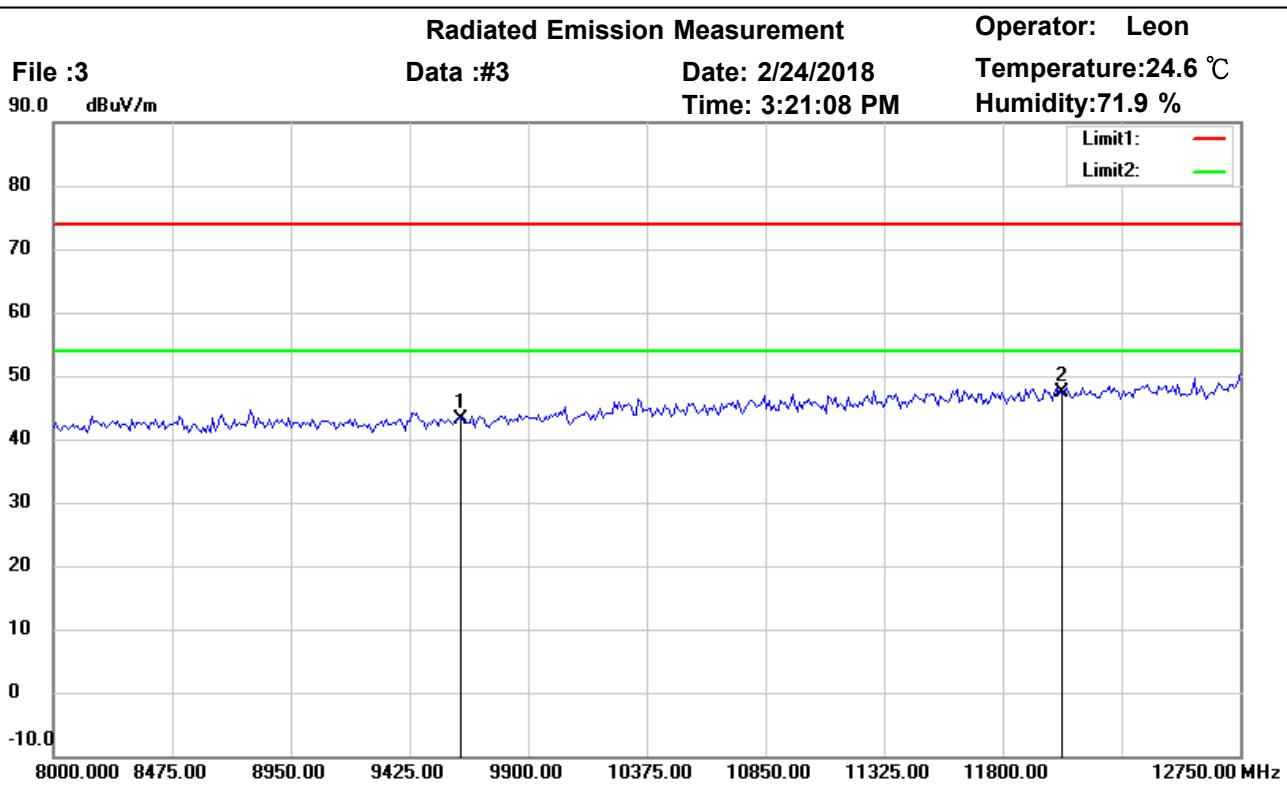
Note :

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
	4809.950	59.31	peak	0.09	59.40	74.00	150	360	-14.60	
*	4809.950	51.69	AVG	0.09	51.78	54.00	150	360	-2.22	
	7218.000	41.54	peak	5.06	46.60	74.00	150	275	-27.40	

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



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



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

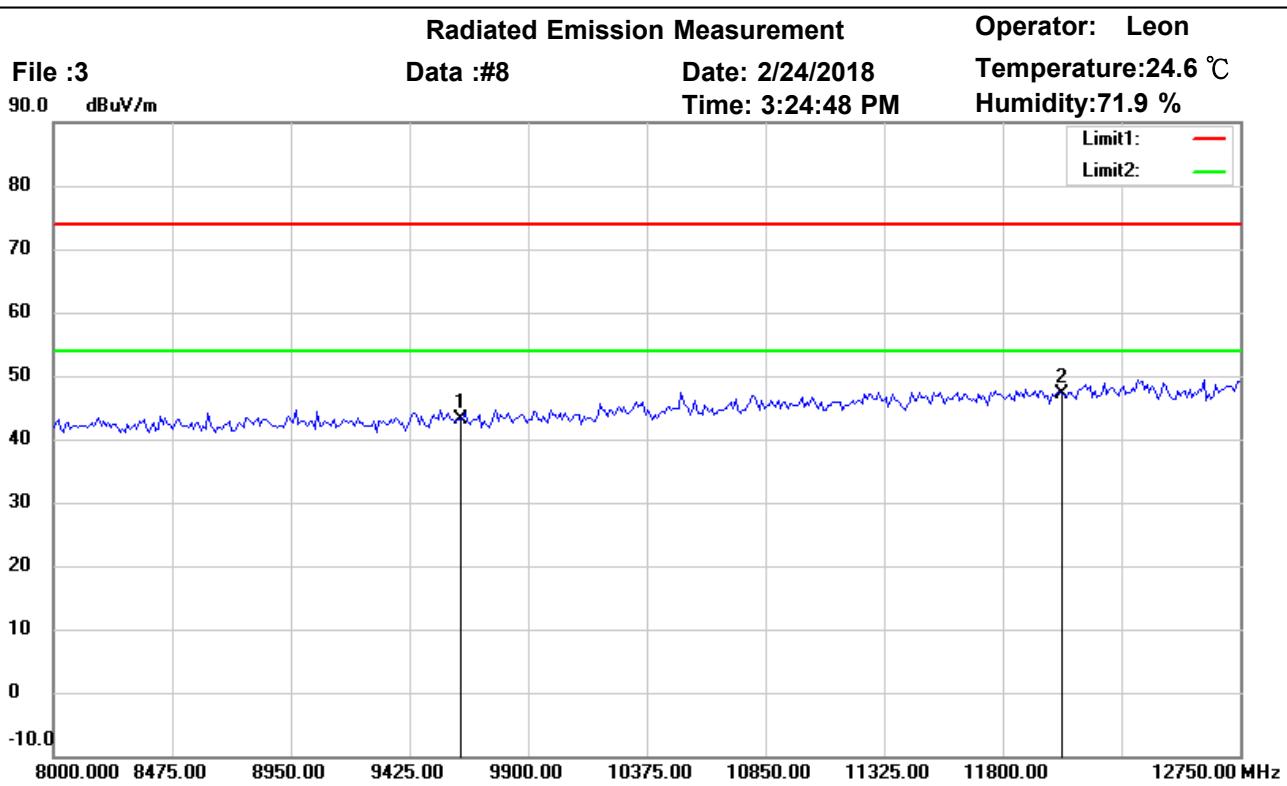
Test Mode : TX 2406MHz

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
	9624.000	35.24	peak	7.97	43.21	74.00	150	55	-30.79	
*	12030.000	34.40	peak	13.08	47.48	74.00	150	240	-26.52	



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

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

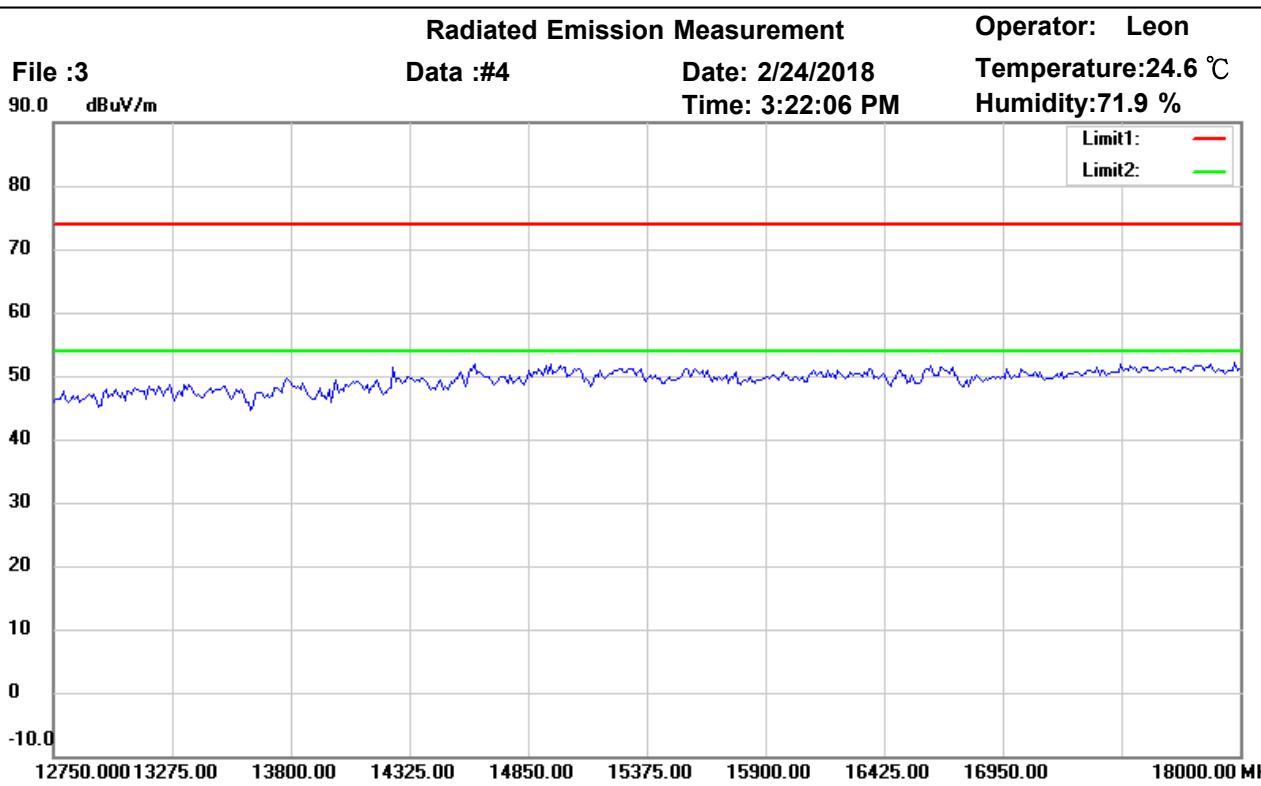
Test Mode : TX 2406MHz

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
	9624.000	35.18	peak	7.97	43.15	74.00	150	85	-30.85	
*	12030.000	34.07	peak	13.08	47.15	74.00	150	220	-26.85	



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 C\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

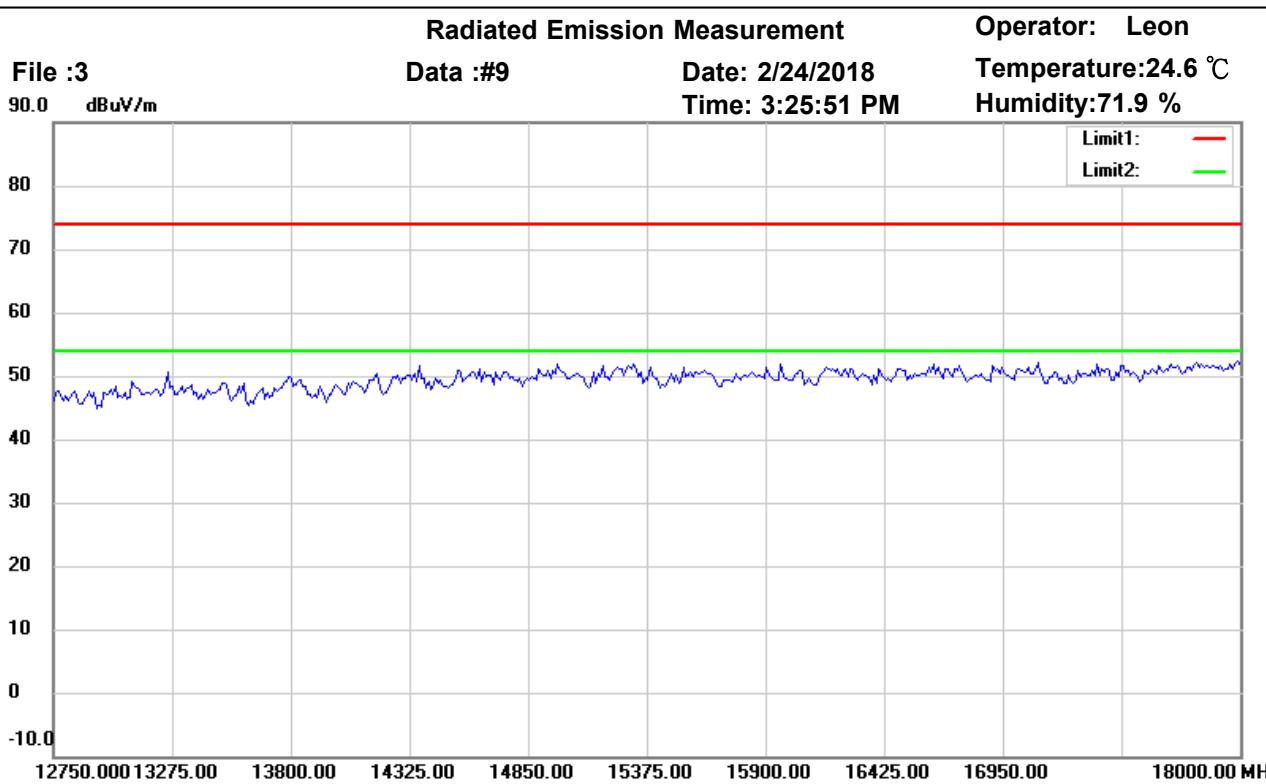
Test Mode : TX 2406MHz

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 C\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

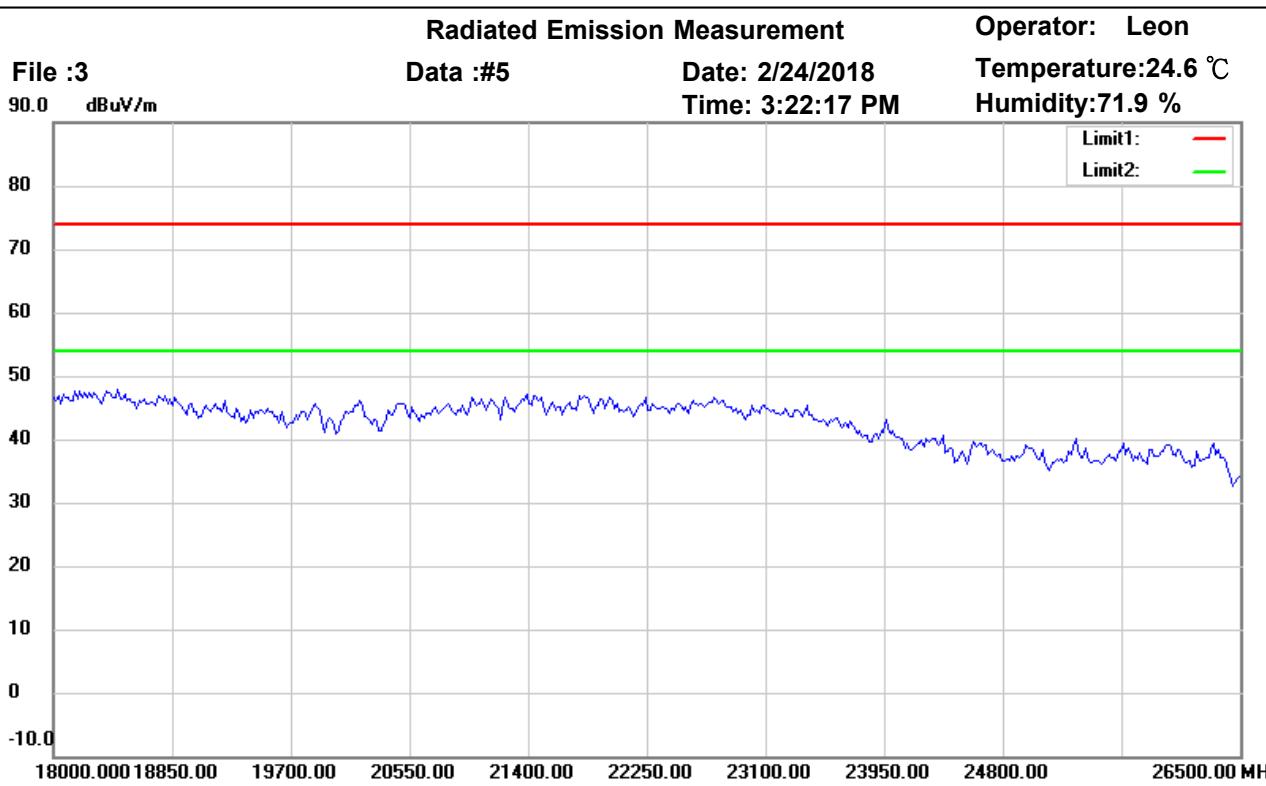
Test Mode : TX 2406MHz

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\_part 15 RE-Class C\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

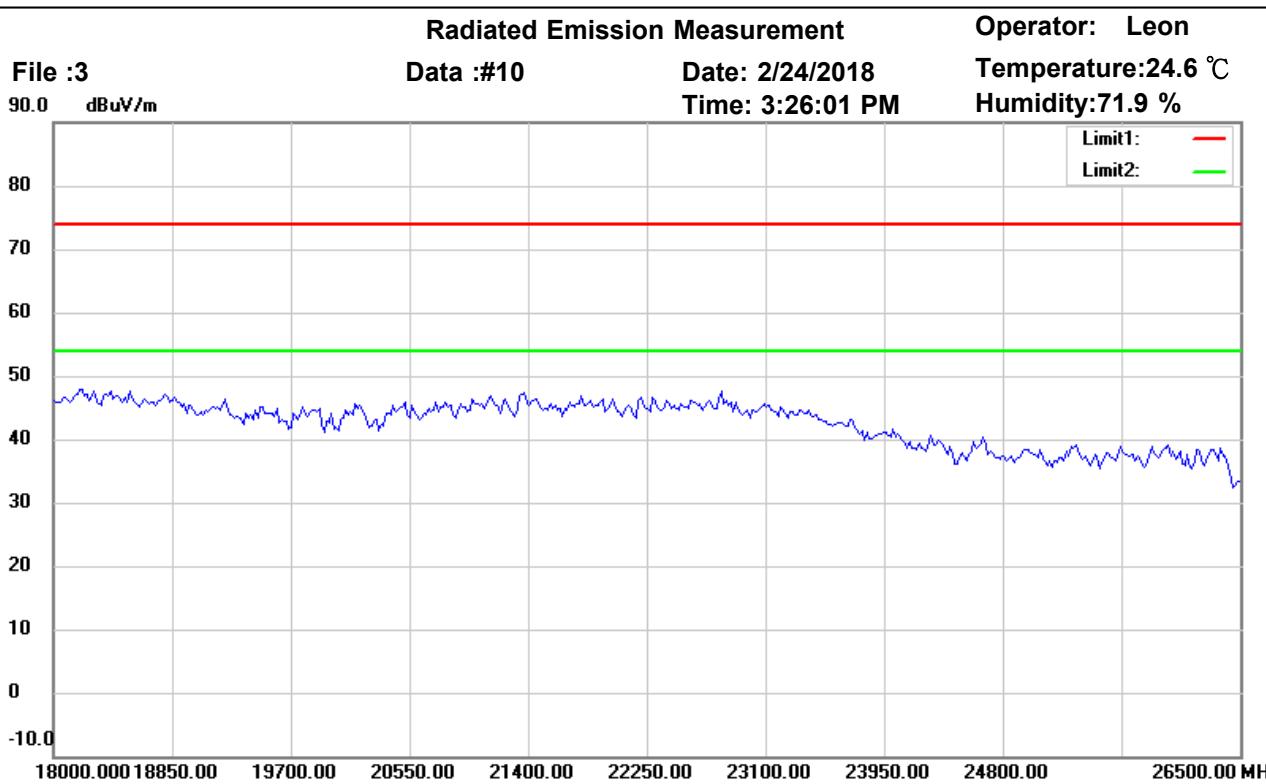
Test Mode : TX 2406MHz

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\_part 15 RE-Class C\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

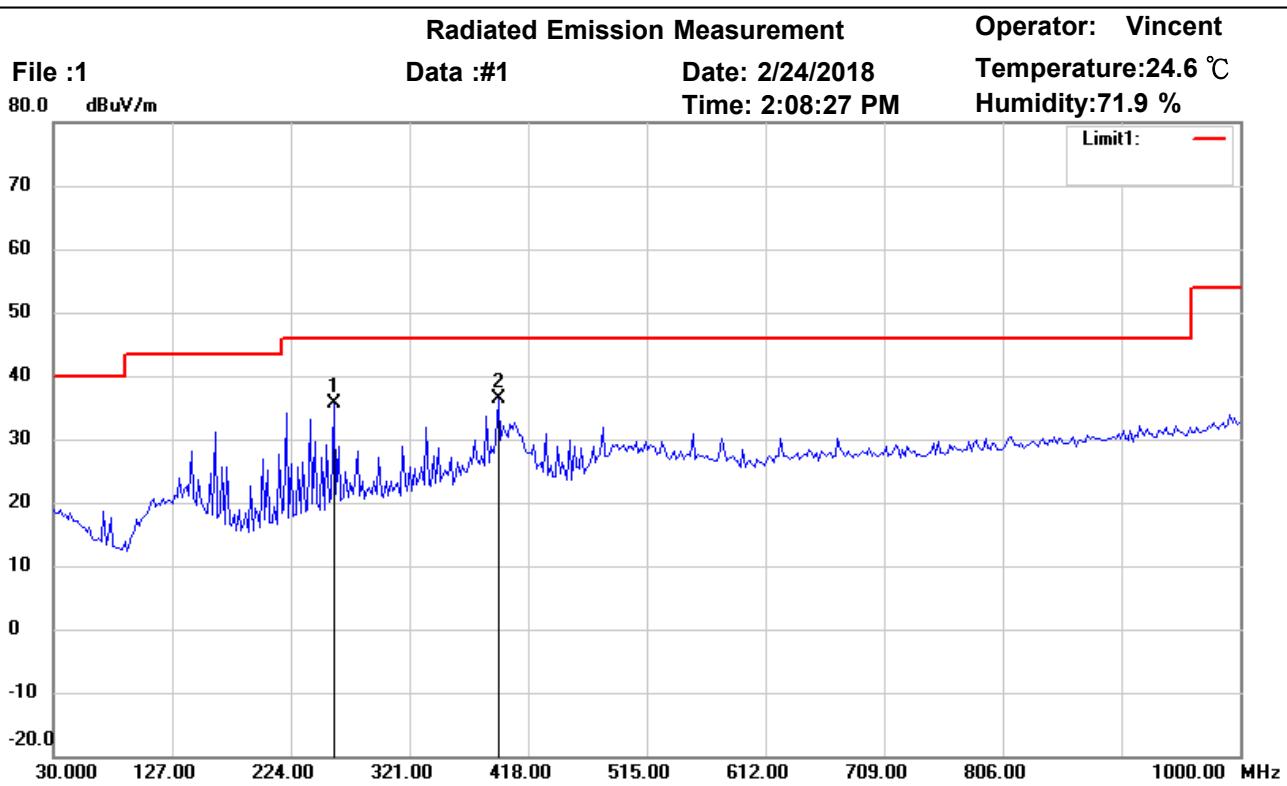
Test Mode : TX 2406MHz

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 C\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

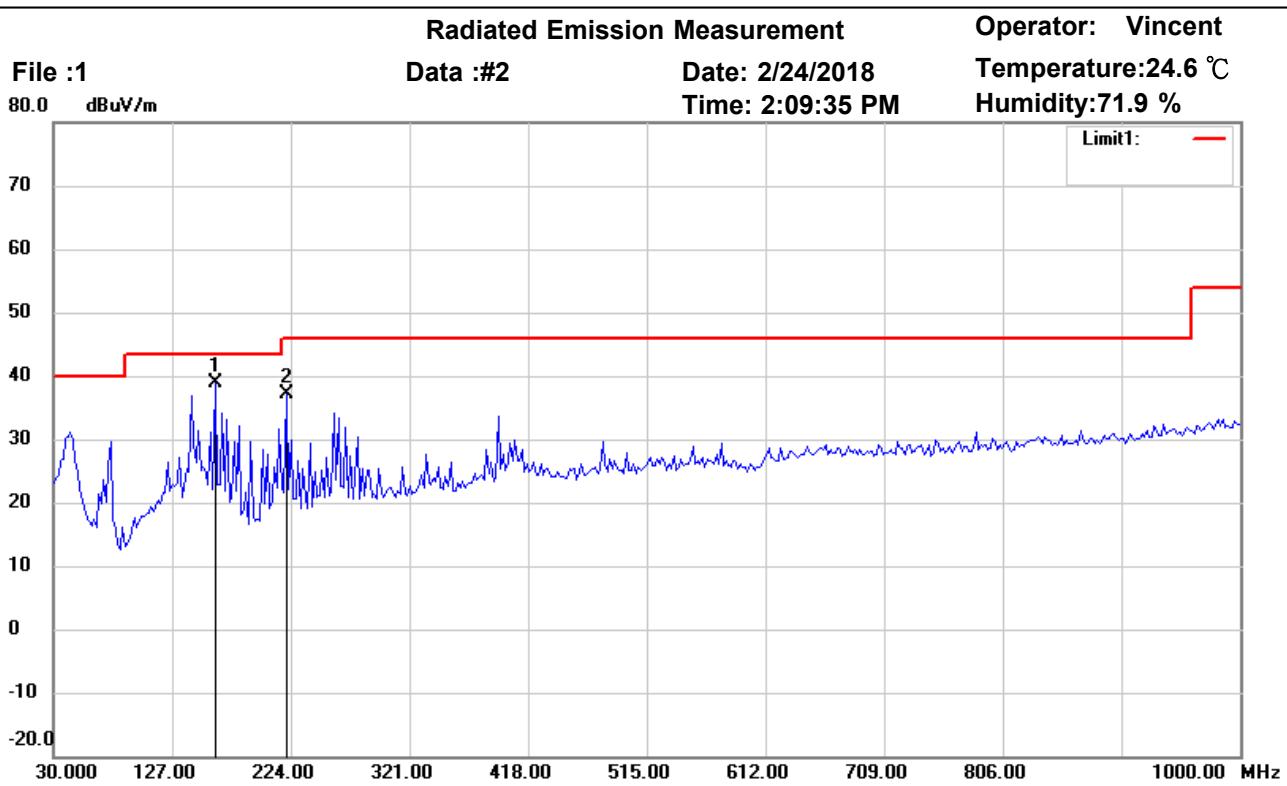
Test Mode : TX 2442MHz

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
	259.3788	42.77	peak	-7.25	35.52	46.00	100	115	-10.48	
*	393.5070	40.19	peak	-3.70	36.49	46.00	100	200	-9.51	



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



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

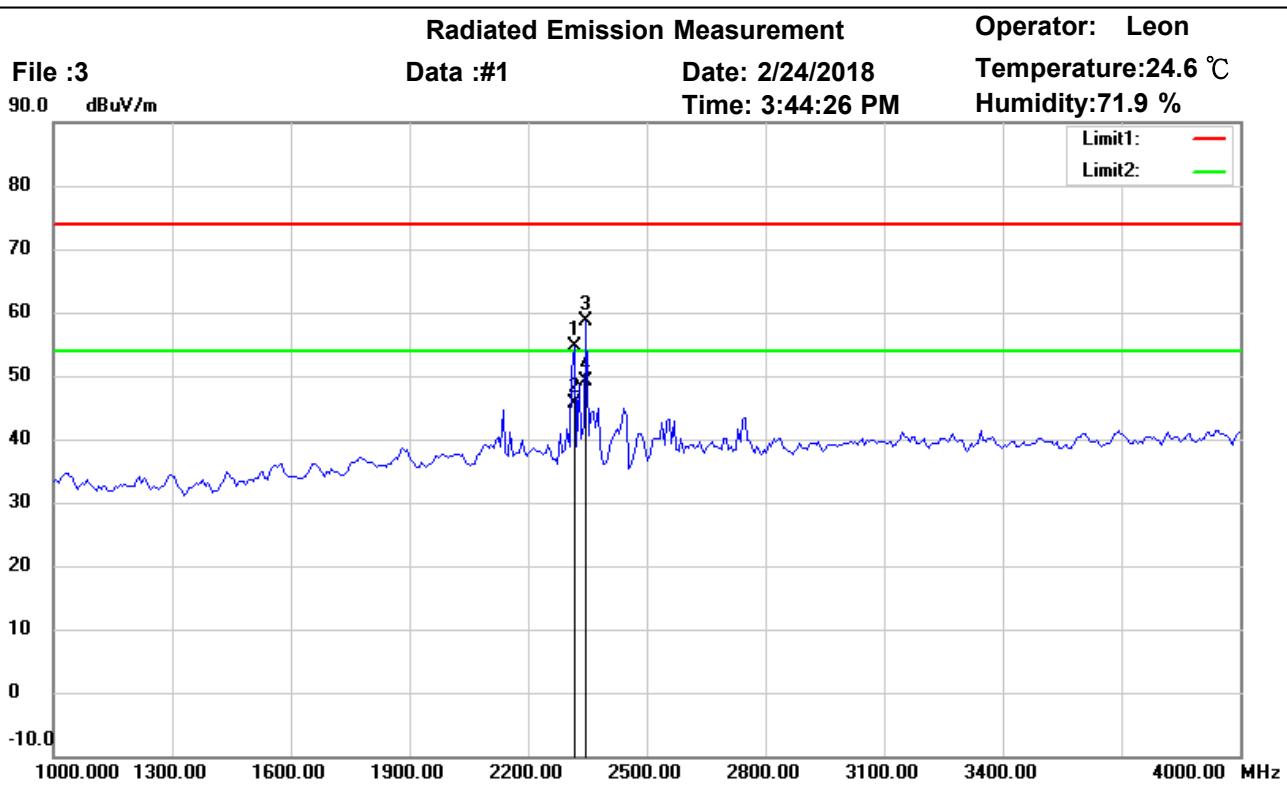
Test Mode : TX 2442MHz

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
*	162.1844	48.14	peak	-9.38	38.76	43.50	100	140	-4.74	
	220.5010	47.15	peak	-10.11	37.04	46.00	100	305	-8.96	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

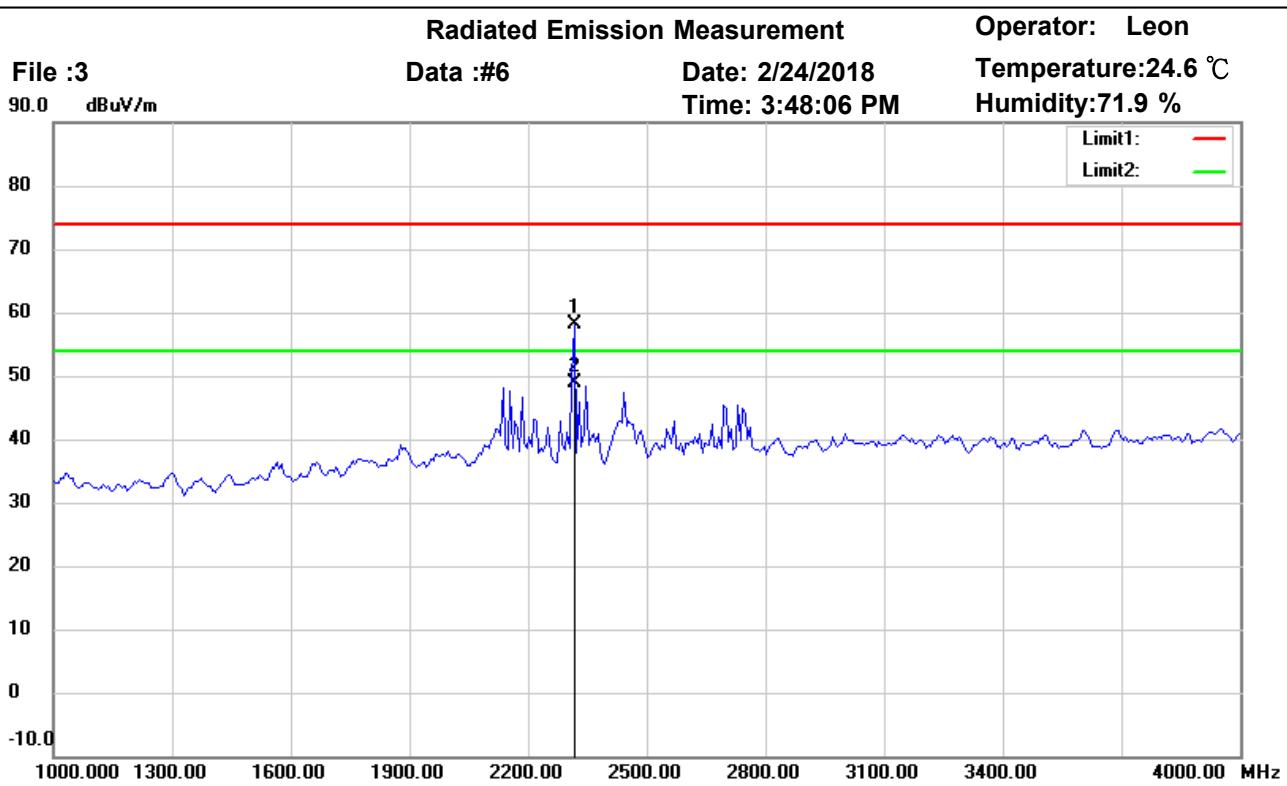
Test Mode : TX 2442MHz

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
	2316.633	59.21	peak	-4.68	54.53	74.00	150	59	-19.47	
	2316.633	50.23	AVG	-4.68	45.55	54.00	150	59	-8.45	
	2346.693	63.14	peak	-4.53	58.61	74.00	150	230	-15.39	
*	2346.693	53.75	AVG	-4.53	49.22	54.00	150	230	-4.78	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

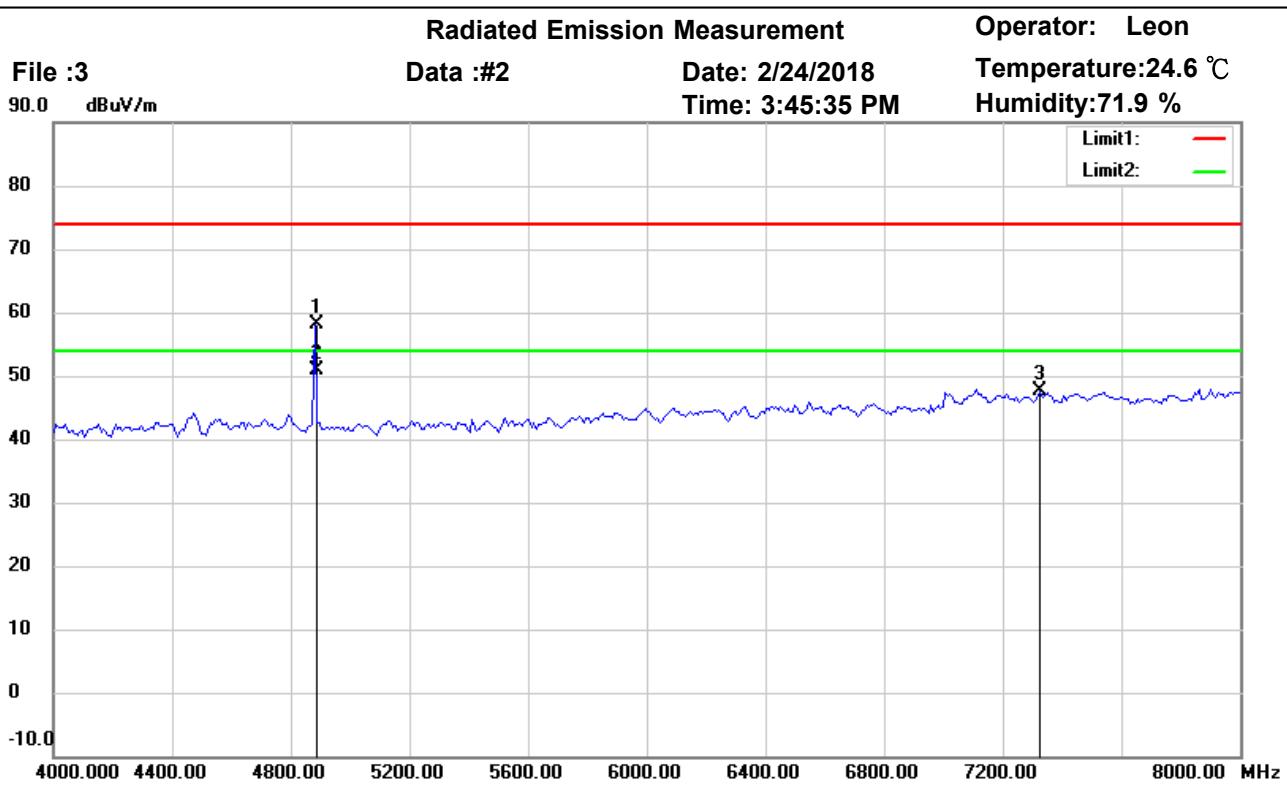
Test Mode : TX 2442MHz

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
	2316.633	62.74	peak	-4.68	58.06	74.00	150	175	-15.94	
*	2316.633	53.57	AVG	-4.68	48.89	54.00	150	175	-5.11	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2442MHz

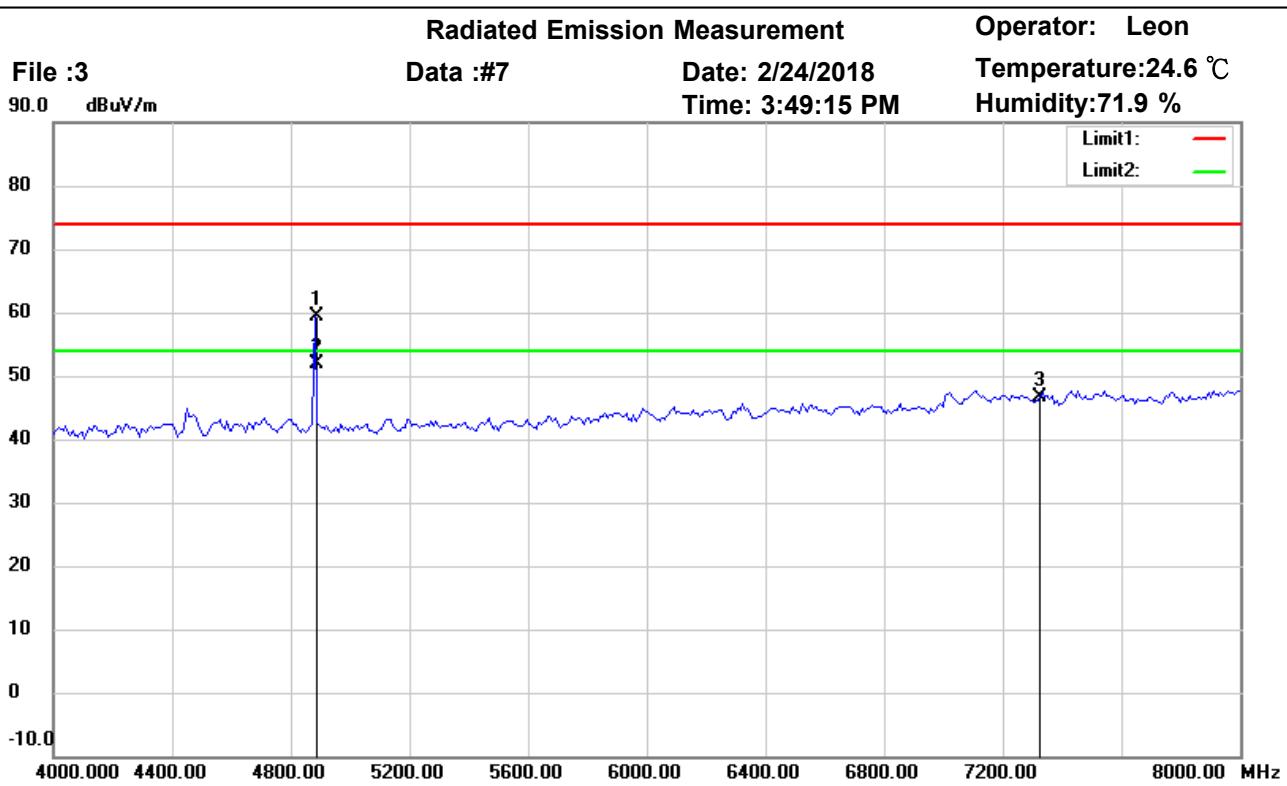
Note :

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
	4881.764	58.05	peak	0.17	58.22	74.00	150	245	-15.78	
*	4881.764	50.63	AVG	0.17	50.80	54.00	150	245	-3.20	
	7326.000	42.56	peak	5.11	47.67	74.00	150	90	-26.33	

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



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2442MHz

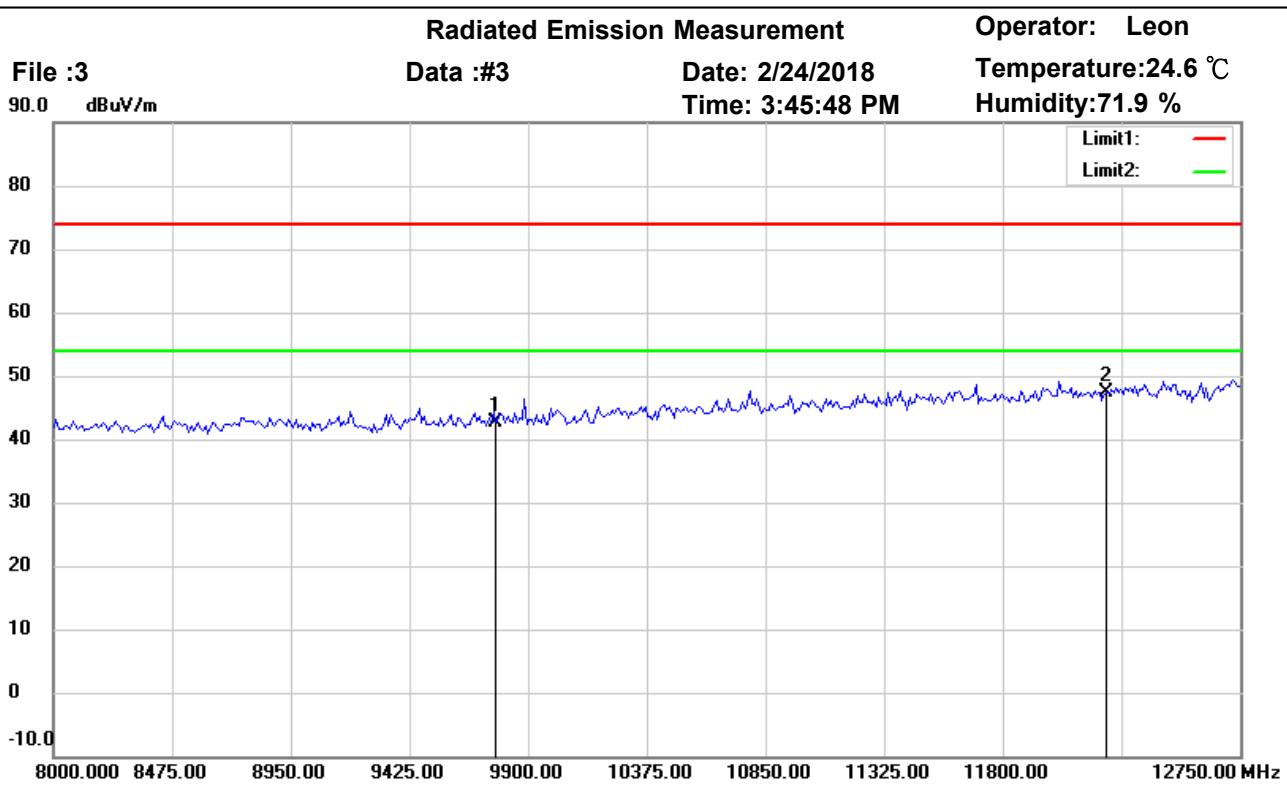
Note :

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
	4881.764	59.26	peak	0.17	59.43	74.00	150	93	-14.57	
*	4881.764	51.70	AVG	0.17	51.87	54.00	150	93	-2.13	
	7326.000	41.52	peak	5.11	46.63	74.00	150	80	-27.37	

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



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2442MHz

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
	9768.000	34.35	peak	8.23	42.58	74.00	150	220	-31.42	
*	12210.000	33.41	peak	14.07	47.48	74.00	150	175	-26.52	



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

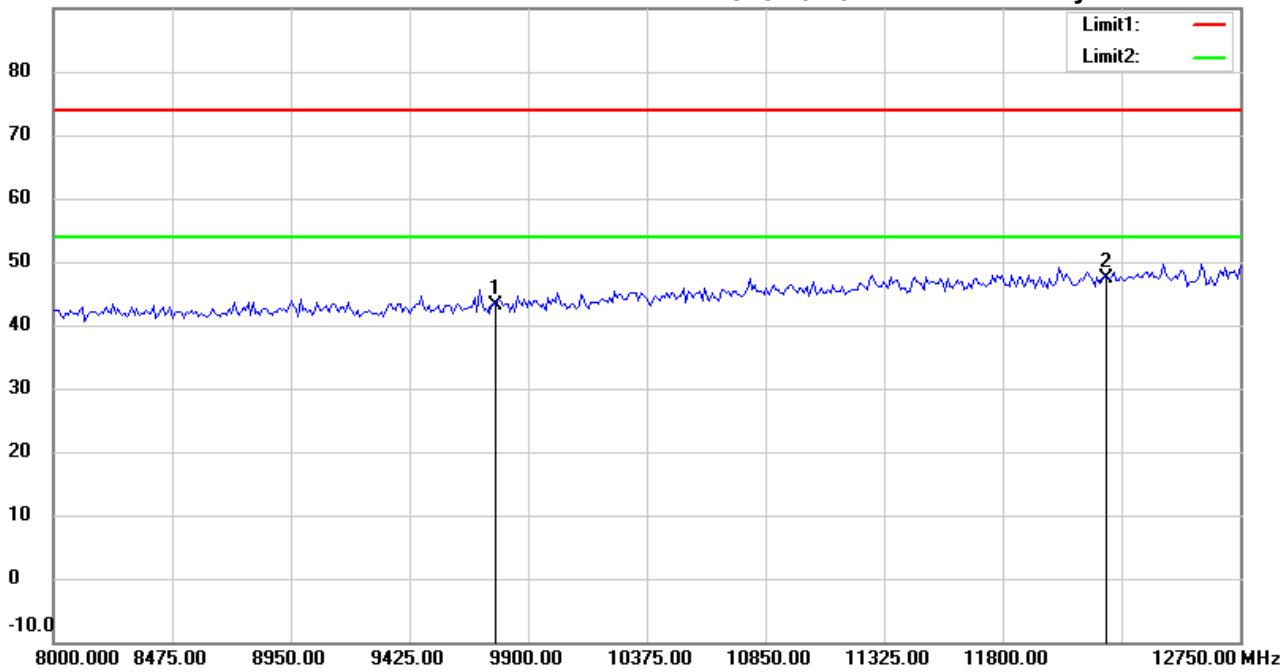
Date: 2/24/2018

Temperature:24.6 °C

90.0 dBuV/m

Time: 3:49:29 PM

Humidity:71.9 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

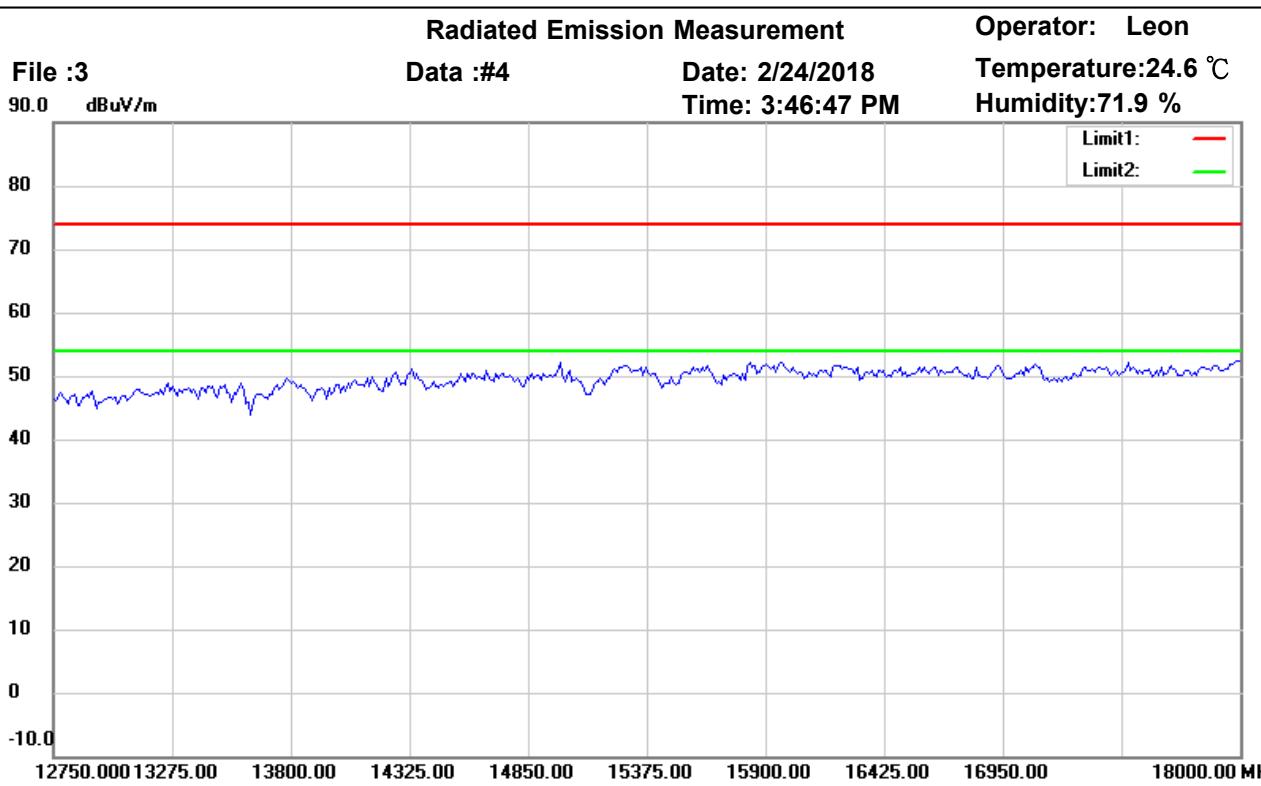
Test Mode : TX 2442MHz

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
	9768.000	34.80	peak	8.23	43.03	74.00	150	155	-30.97	
*	12210.000	33.34	peak	14.07	47.41	74.00	150	120	-26.59	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

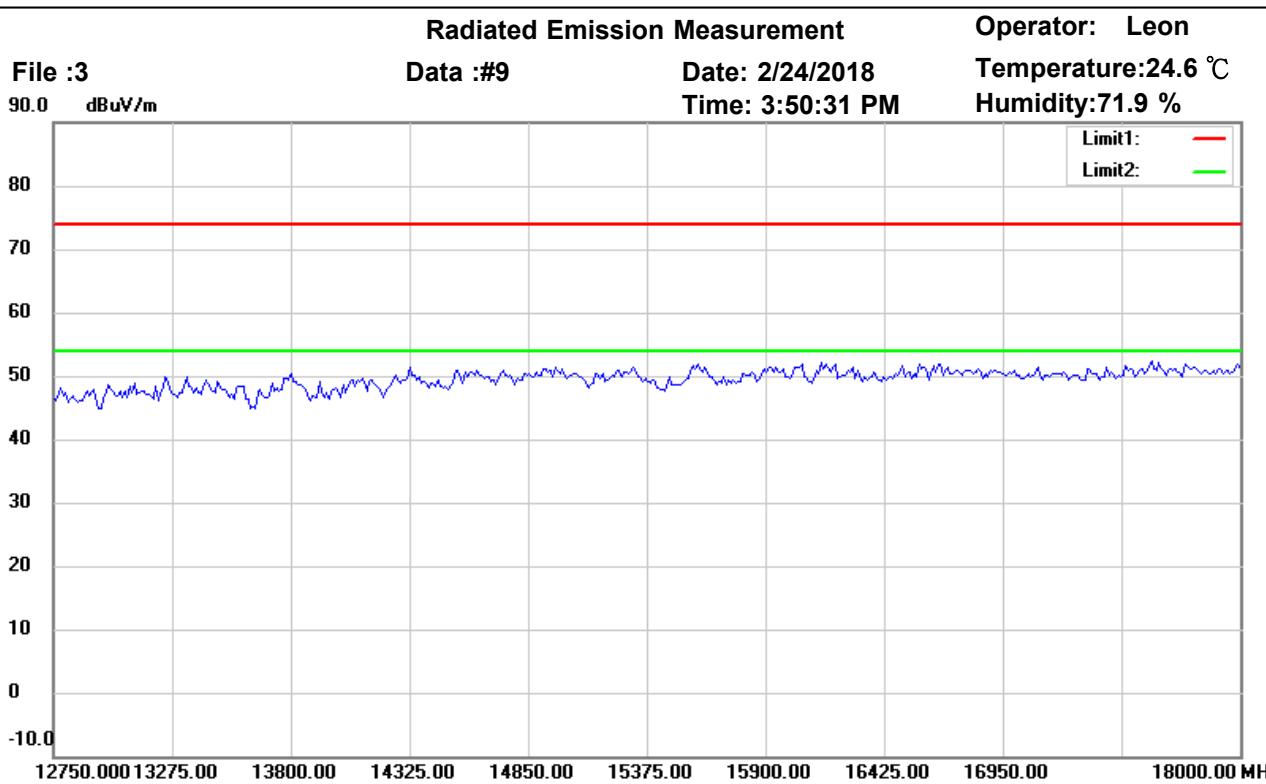
Test Mode : TX 2442MHz

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 C\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

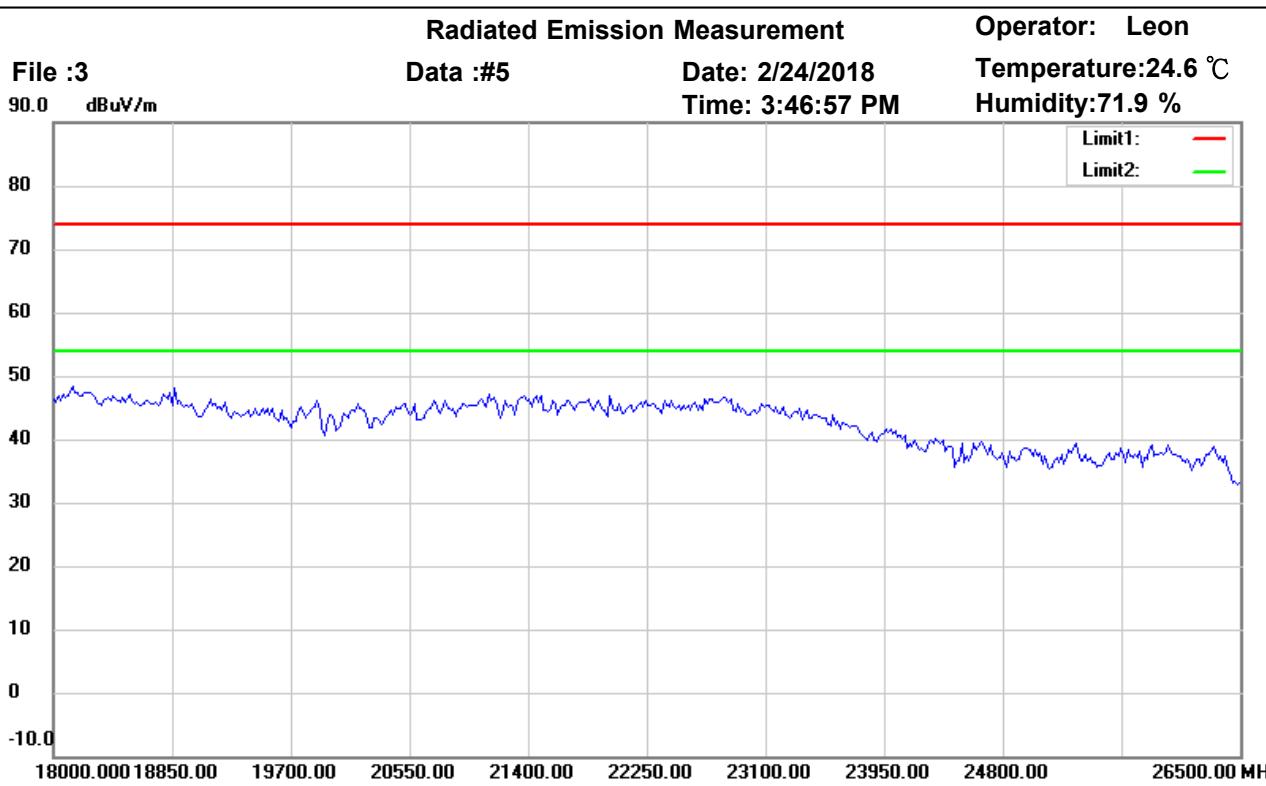
Test Mode : TX 2442MHz

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 C\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

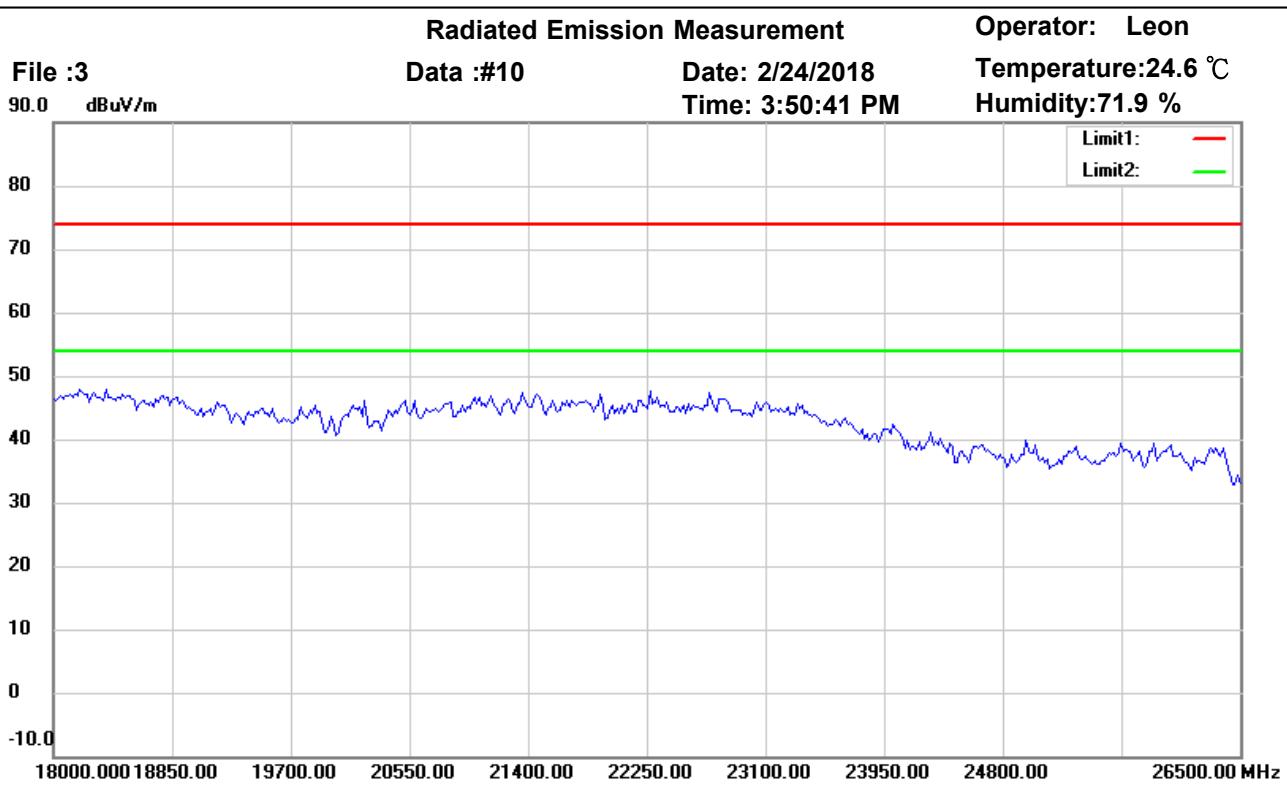
Test Mode : TX 2442MHz

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 C\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

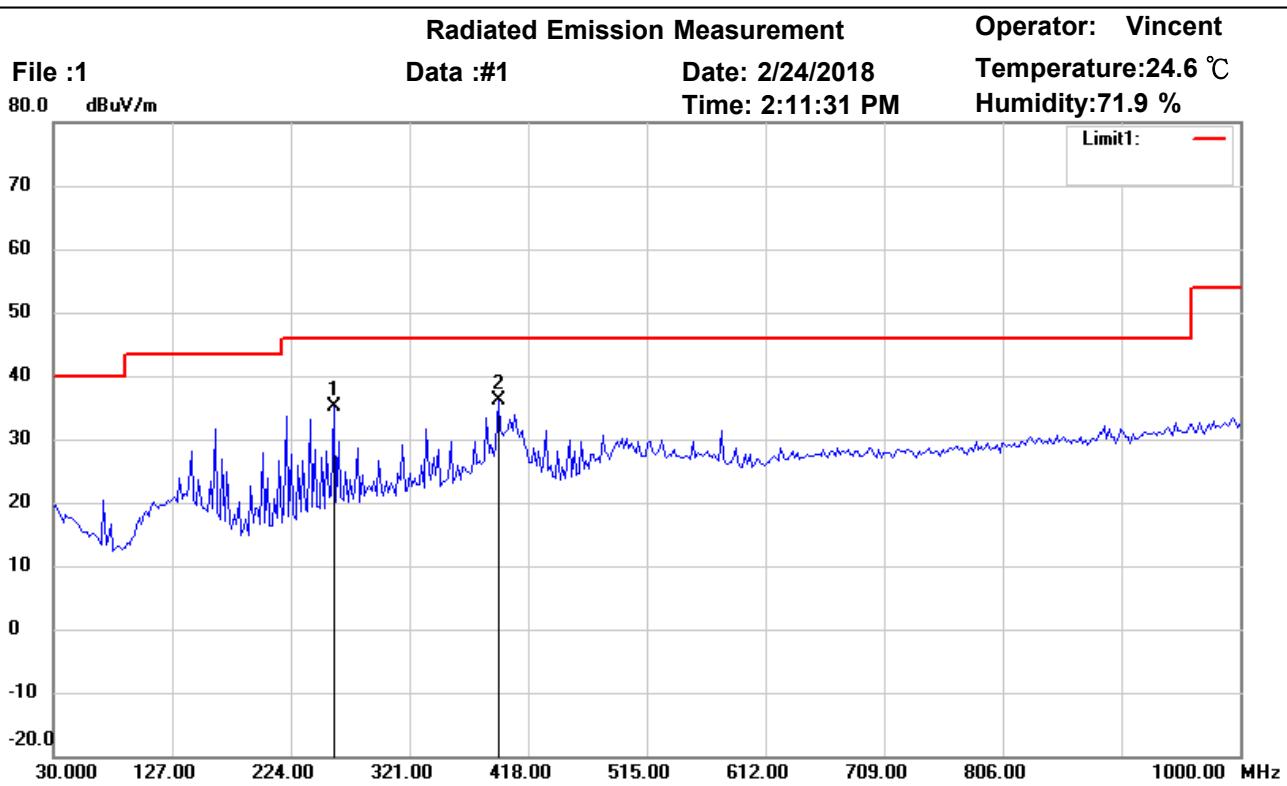
Test Mode : TX 2442MHz

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 C\_30-1000MHz

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

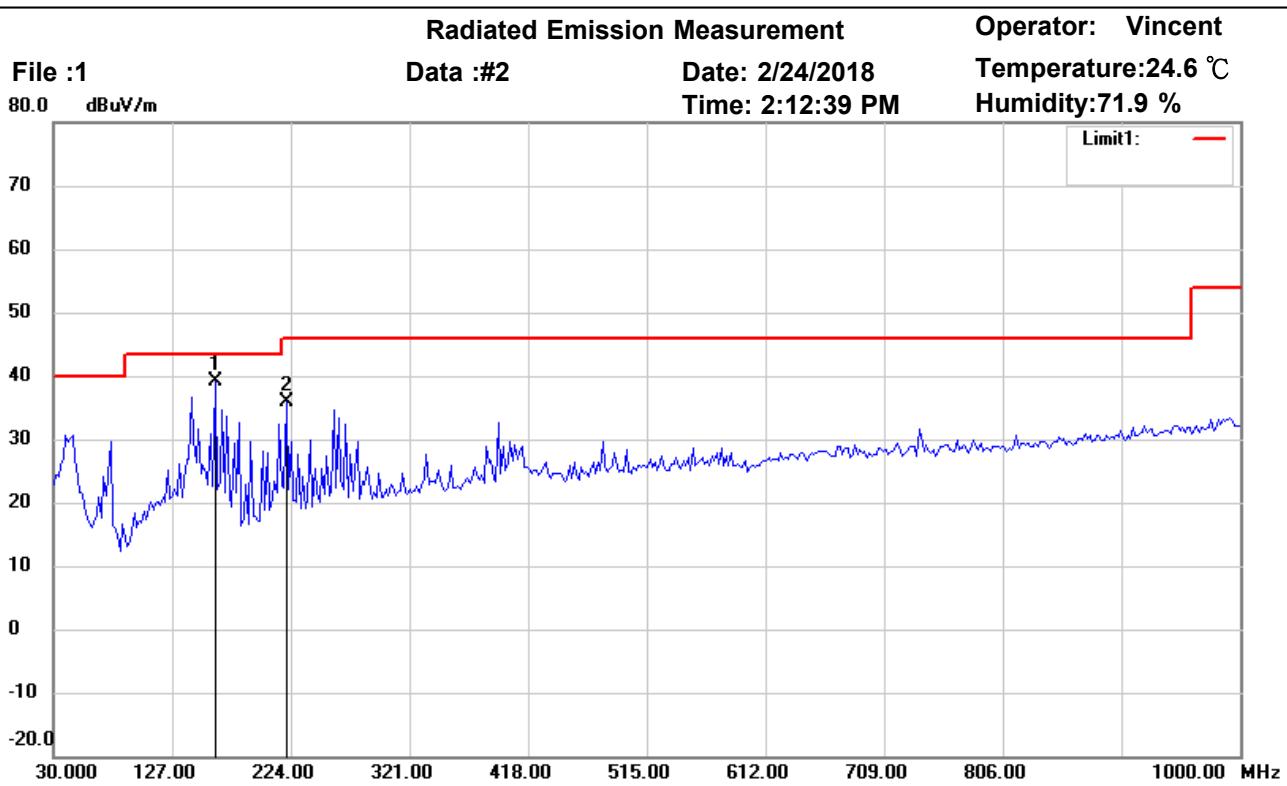
Test Mode : TX 2475MHz

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
	259.3788	42.41	peak	-7.25	35.16	46.00	100	175	-10.84	
*	393.5070	39.92	peak	-3.70	36.22	46.00	100	50	-9.78	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei  
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Site : Chamber

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

Polarization: Vertical

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

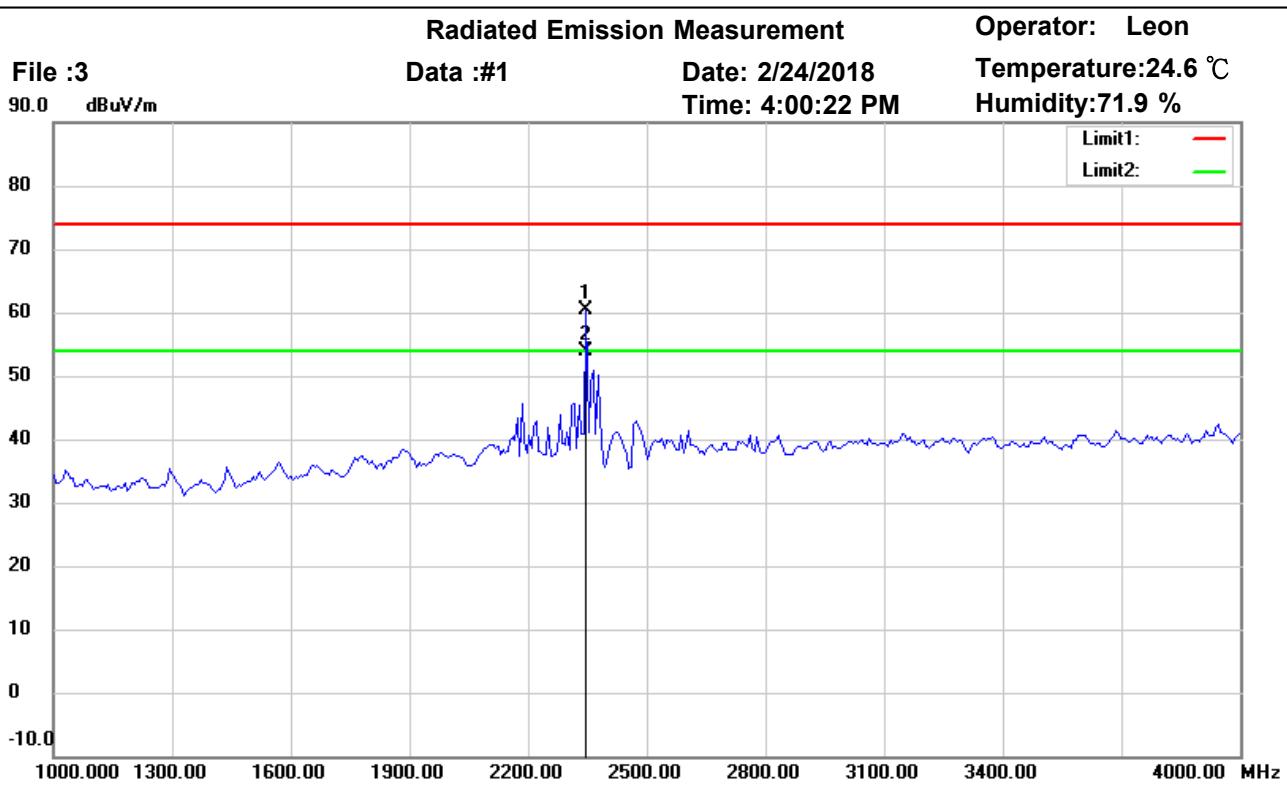
Test Mode : TX 2475MHz

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
*	162.1844	48.60	peak	-9.38	39.22	43.50	100	125	-4.28	
	220.5010	46.00	peak	-10.11	35.89	46.00	100	265	-10.11	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

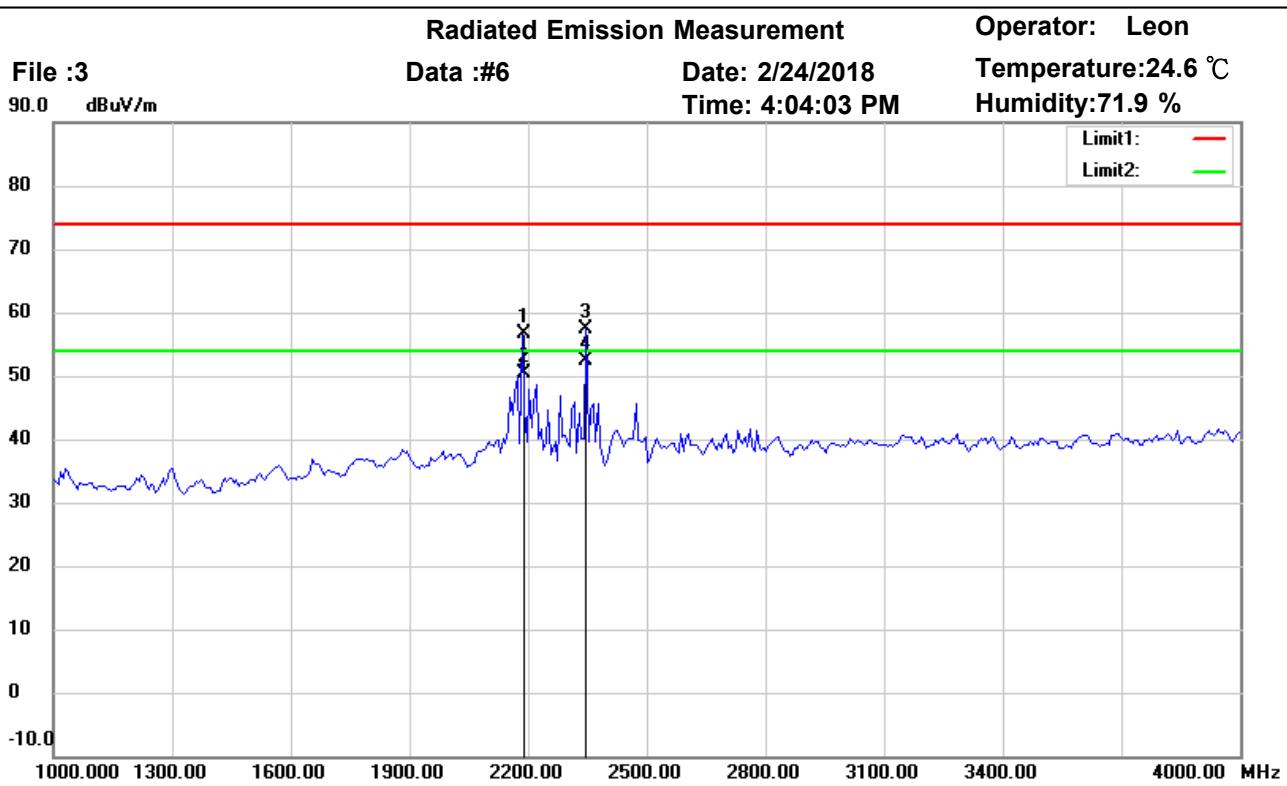
Test Mode : TX 2475MHz

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
	2346.693	64.79	peak	-4.53	60.26	74.00	150	173	-13.74	
*	2346.693	58.36	AVG	-4.53	53.83	54.00	150	173	-0.17	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

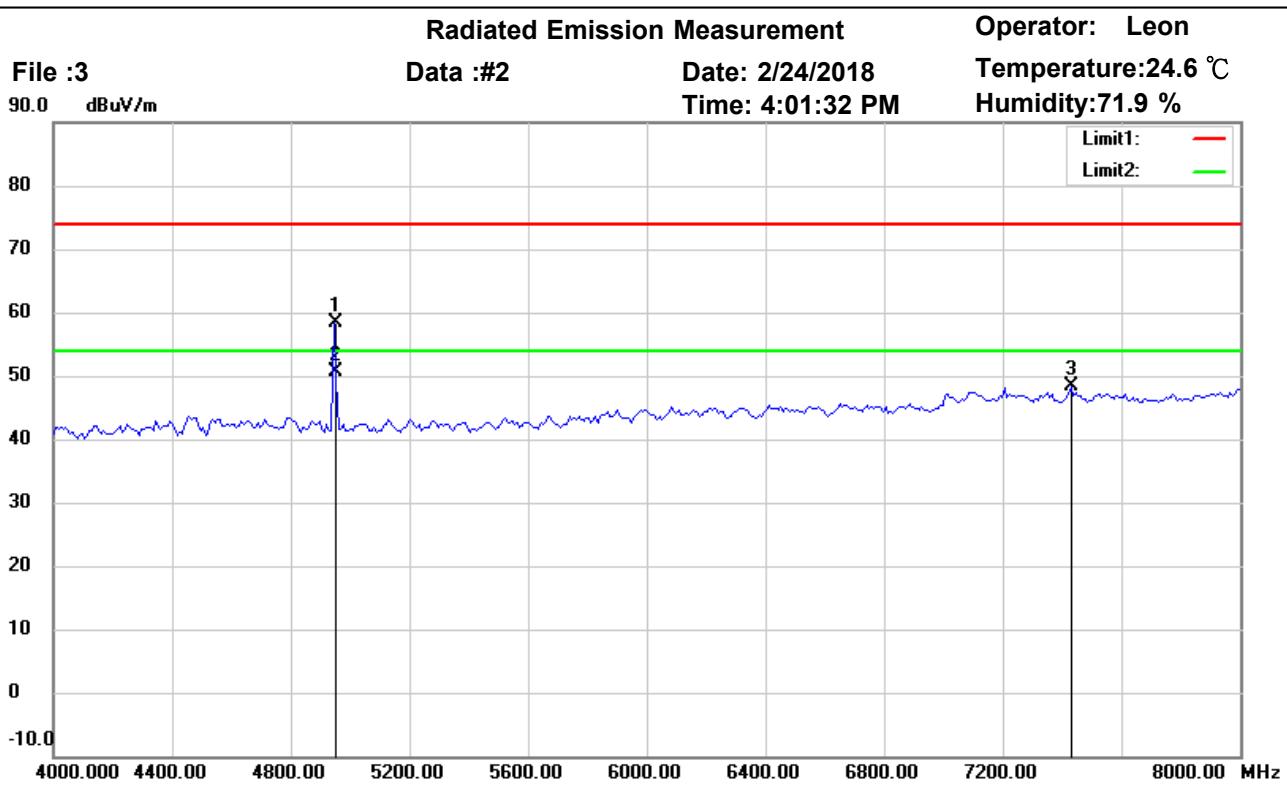
Test Mode : TX 2475MHz

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
	2184.369	61.91	peak	-5.35	56.56	74.00	150	245	-17.44	
	2184.369	55.79	AVG	-5.35	50.44	54.00	150	245	-3.56	
	2346.693	61.83	peak	-4.53	57.30	74.00	150	211	-16.70	
*	2346.693	56.98	AVG	-4.53	52.45	54.00	150	211	-1.55	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

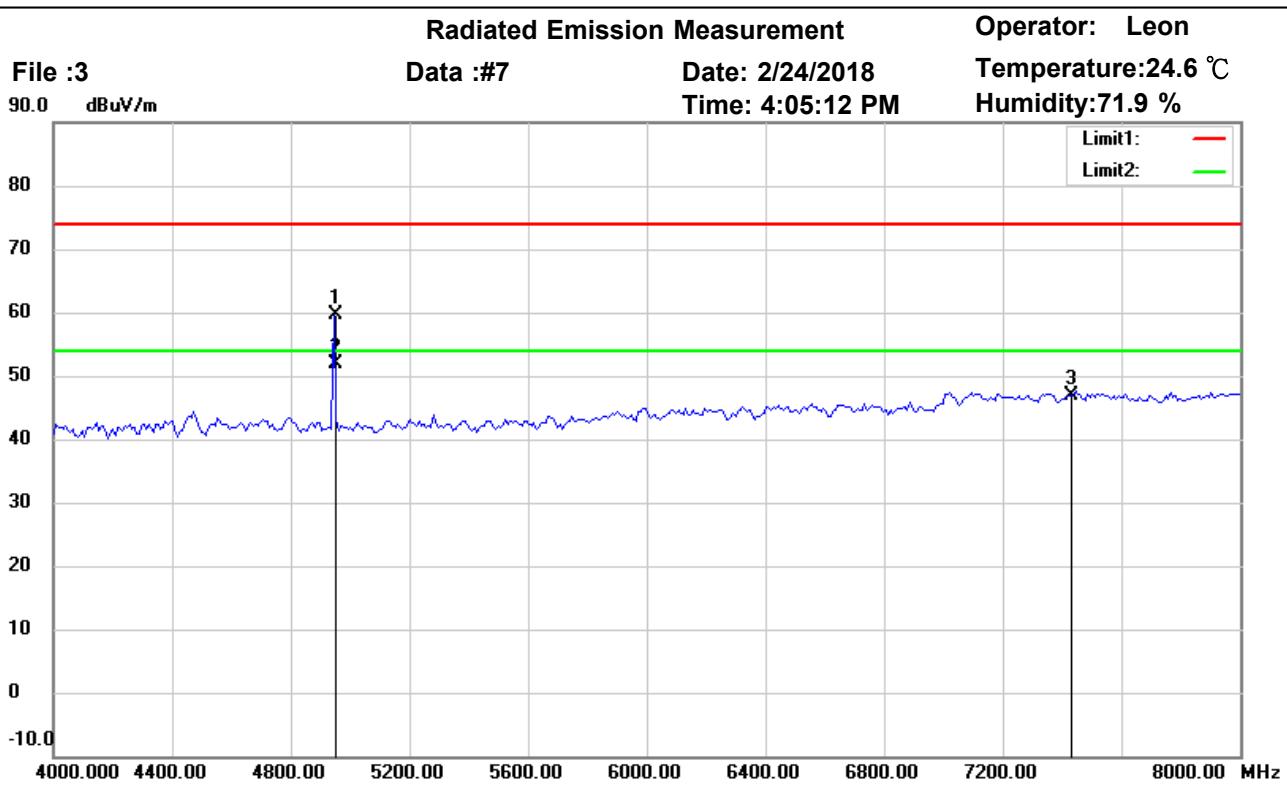
Test Mode : TX 2475MHz

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
	4945.892	58.20	peak	0.20	58.40	74.00	150	175	-15.60	
*	4945.892	50.53	AVG	0.20	50.73	54.00	150	175	-3.27	
	7425.000	43.08	peak	5.18	48.26	74.00	150	96	-25.74	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

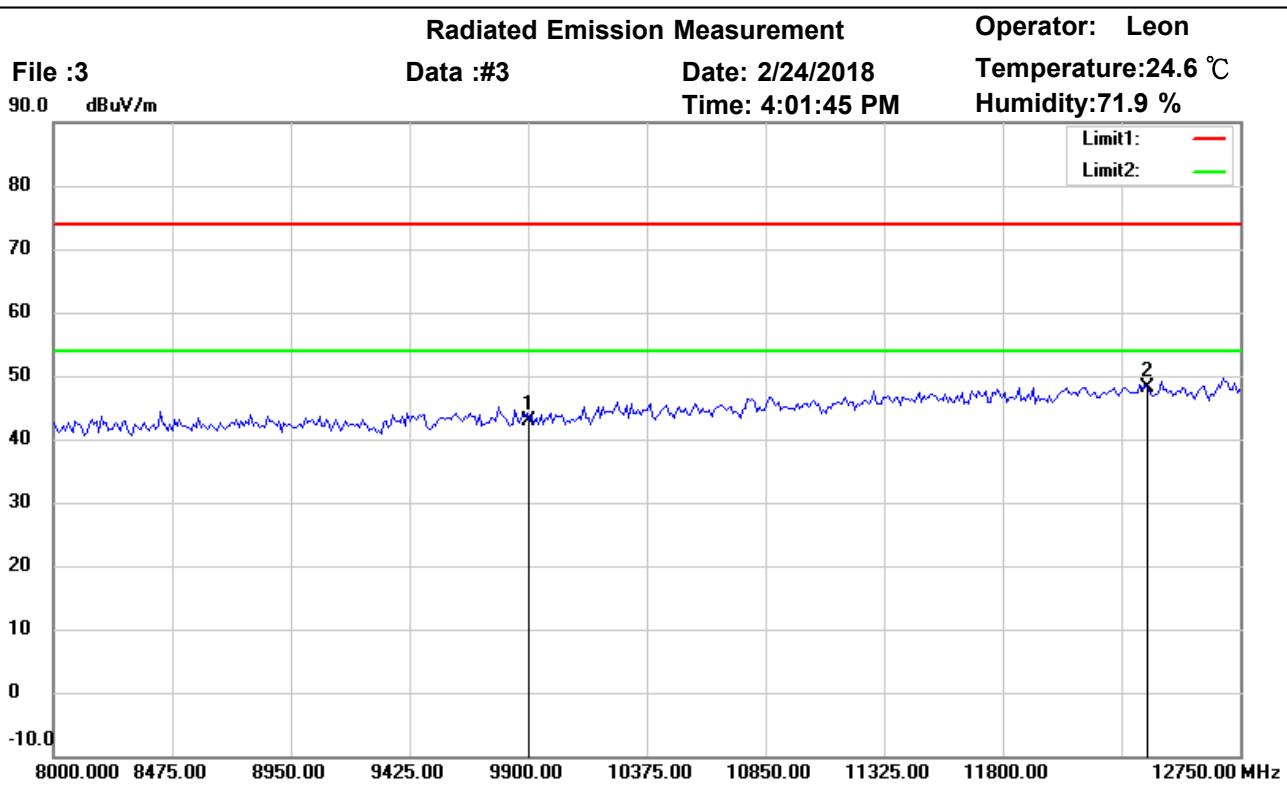
Test Mode : TX 2475MHz

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
	4945.892	59.37	peak	0.20	59.57	74.00	150	85	-14.43	
*	4945.892	51.73	AVG	0.20	51.93	54.00	150	85	-2.07	
	7425.000	41.78	peak	5.18	46.96	74.00	150	240	-27.04	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

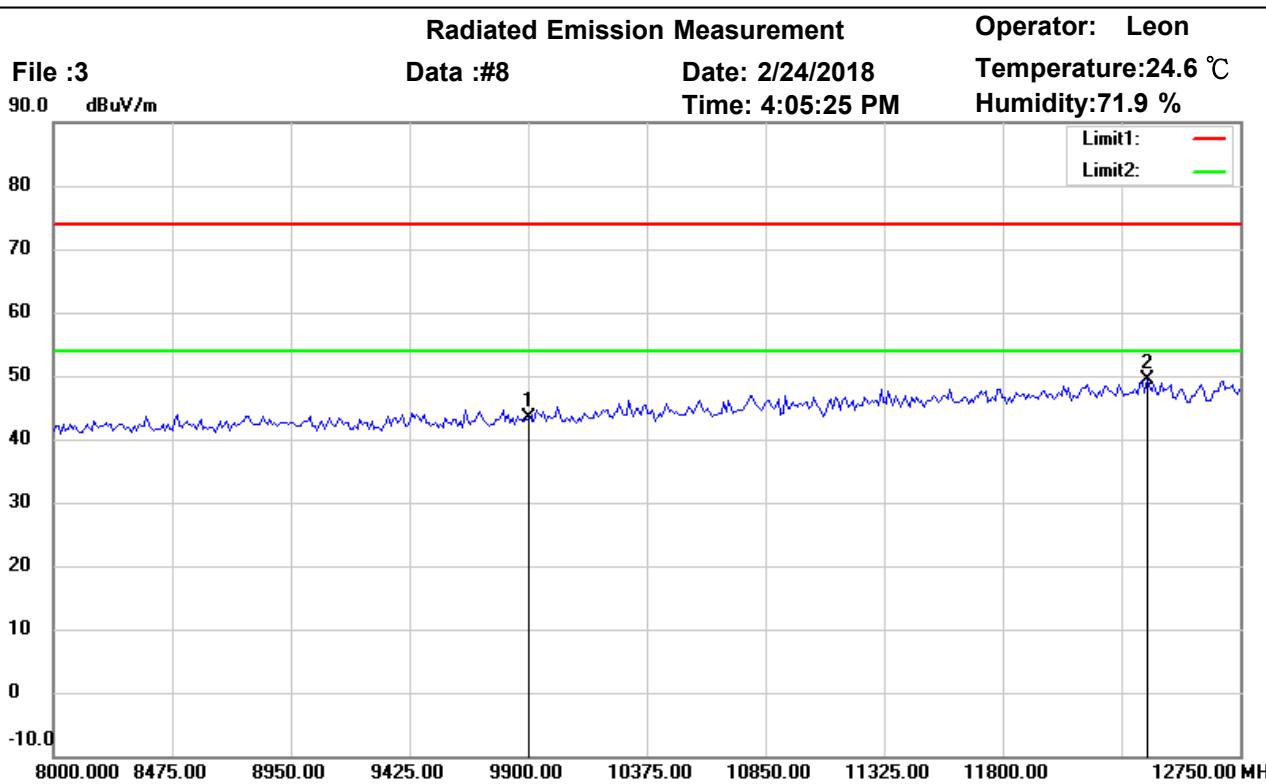
Test Mode : TX 2475MHz

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
	9900.000	34.31	peak	8.56	42.87	74.00	150	255	-31.13	
*	12375.000	33.92	peak	14.28	48.20	74.00	150	240	-25.80	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

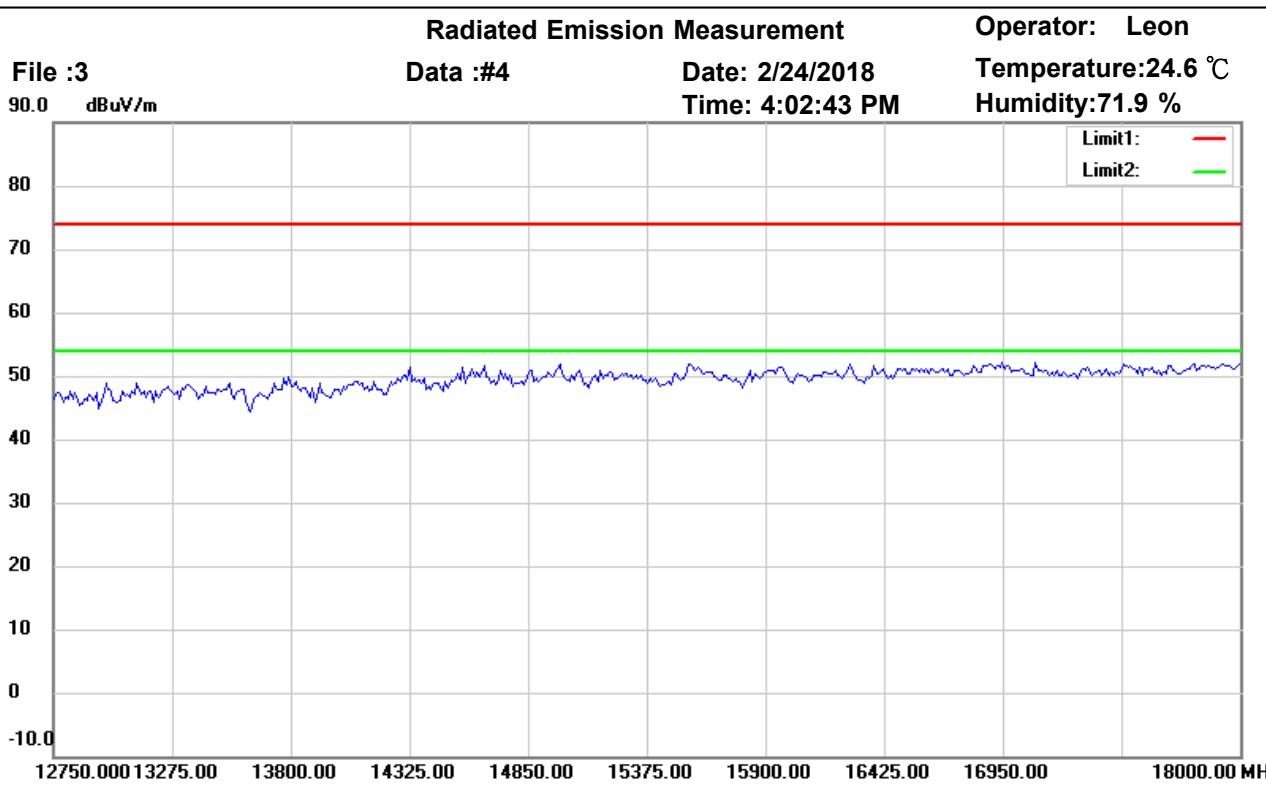
Test Mode : TX 2475MHz

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
	9900.000	34.75	peak	8.56	43.31	74.00	150	255	-30.69	
*	12375.000	35.02	peak	14.28	49.30	74.00	150	270	-24.70	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

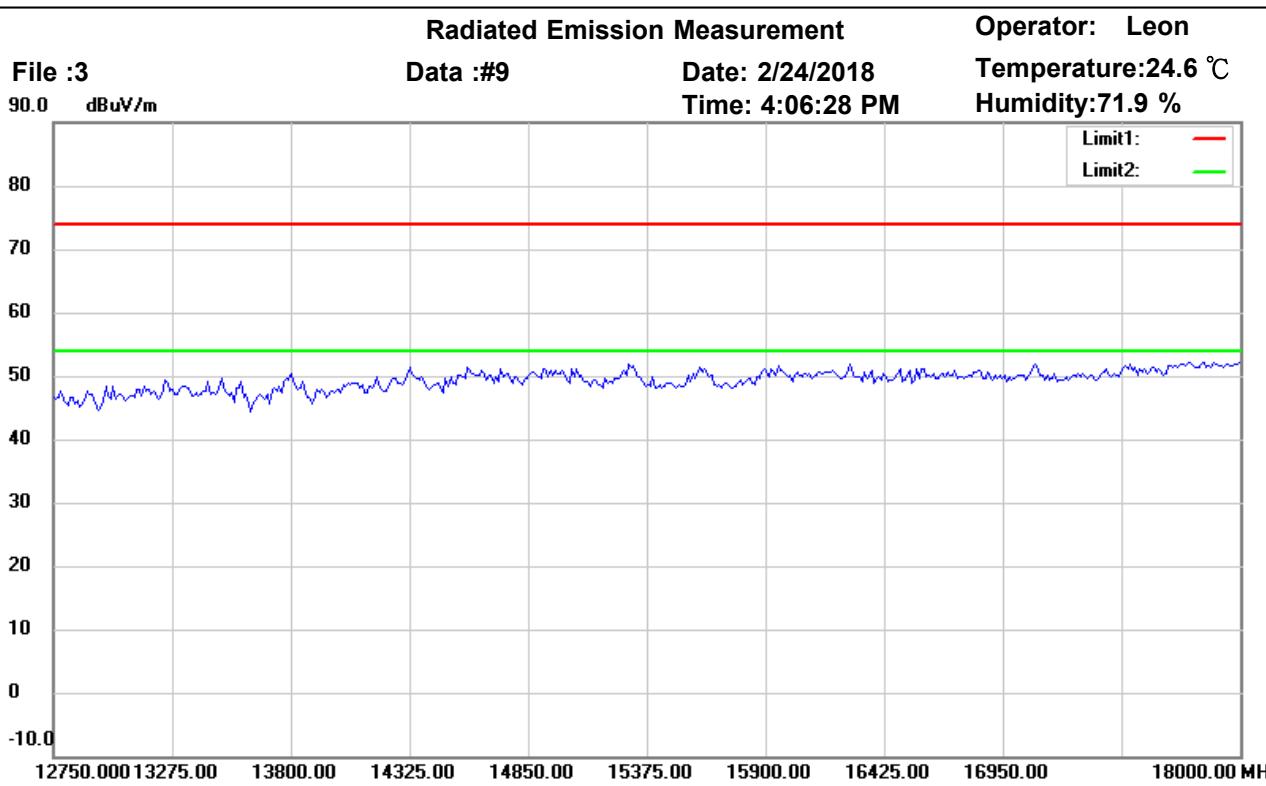
Test Mode : TX 2475MHz

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\_part 15 RE-Class C\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

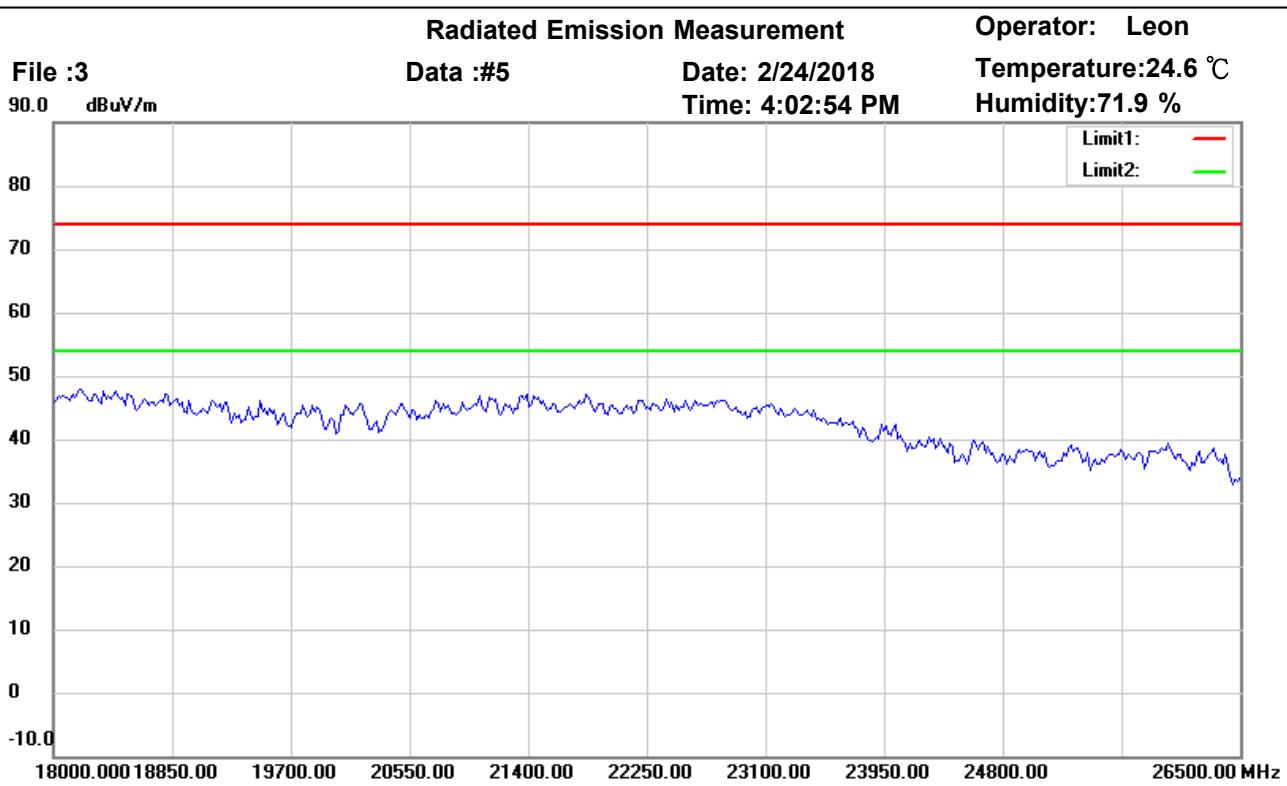
Test Mode : TX 2475MHz

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 C\_Above 1GHz\_PK

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

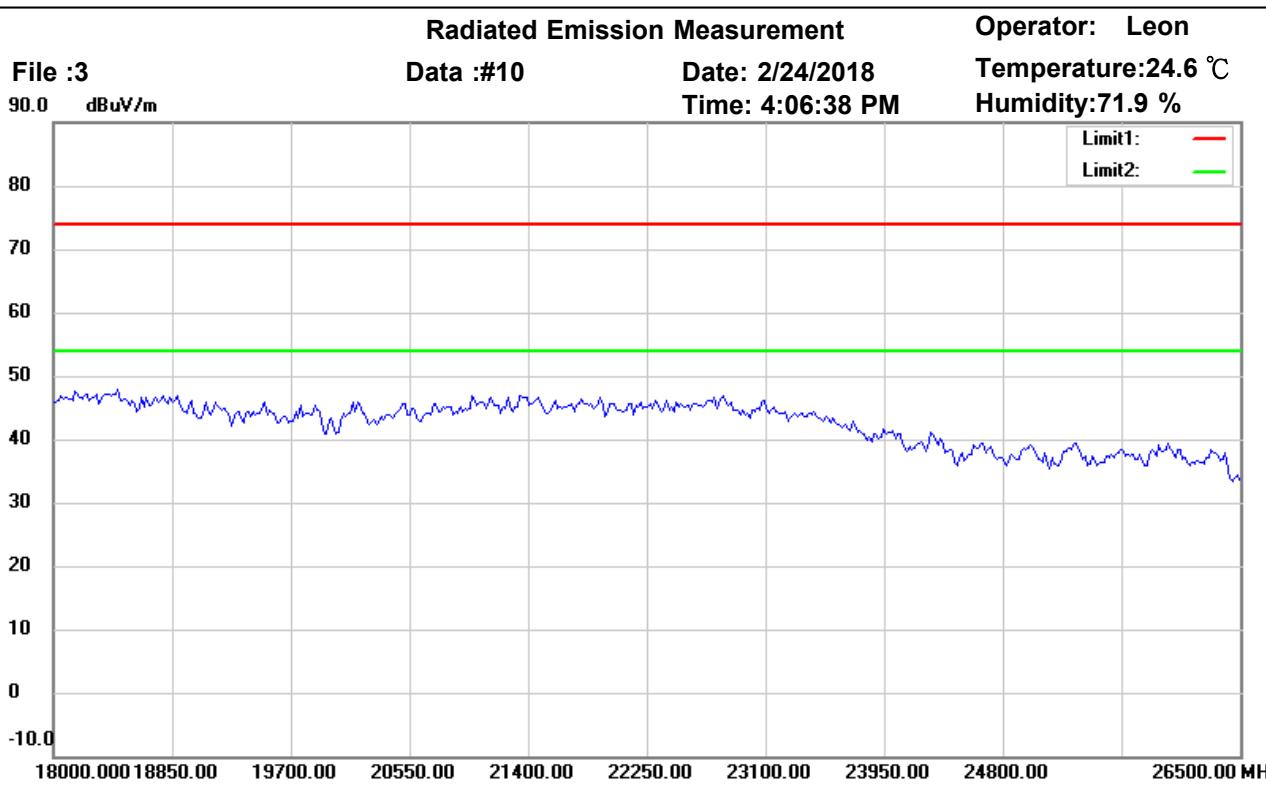
Test Mode : TX 2475MHz

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 C\_Above 1GHz\_PK

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

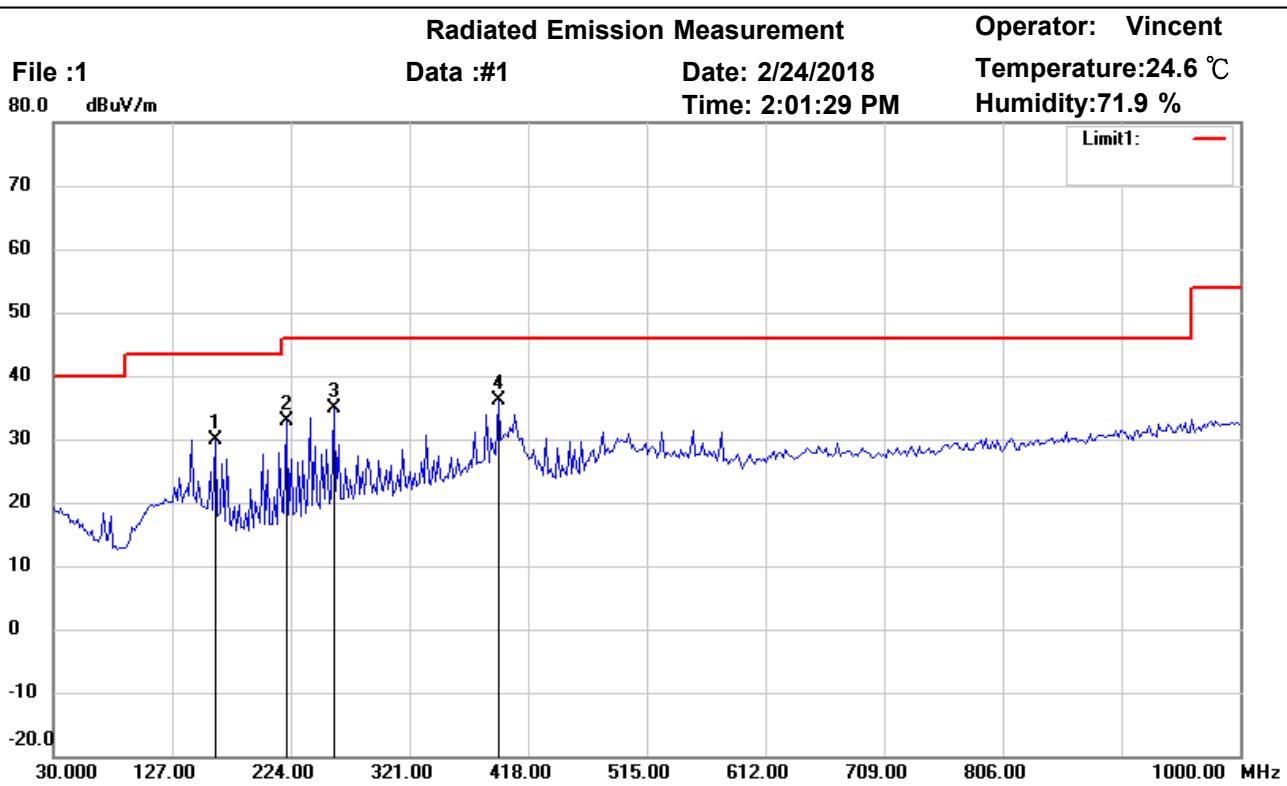
Test Mode : TX 2475MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

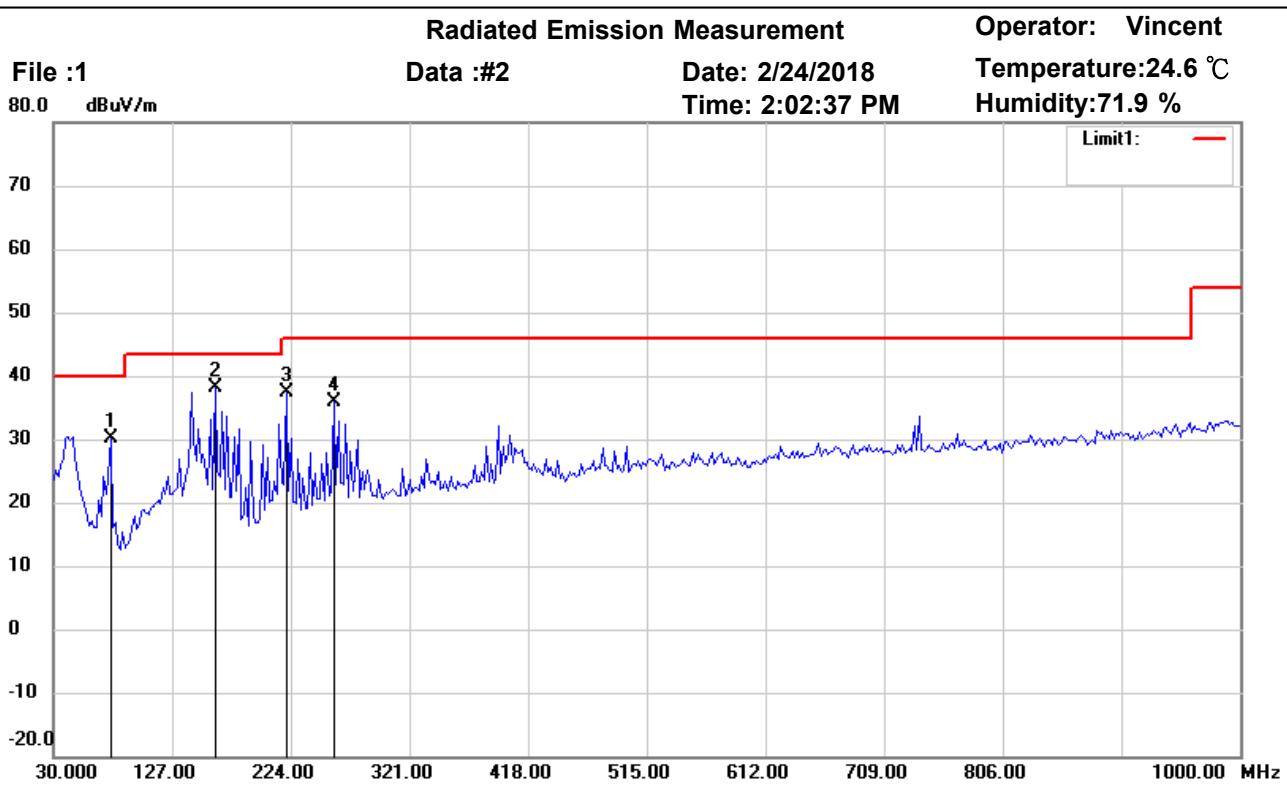
Test Mode : RX 2406MHz

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
	162.1844	39.24	peak	-9.38	29.86	43.50	100	290	-13.64	
	220.5010	43.01	peak	-10.11	32.90	46.00	100	245	-13.10	
	259.3788	42.21	peak	-7.25	34.96	46.00	100	90	-11.04	
*	393.5070	39.88	peak	-3.70	36.18	46.00	100	150	-9.82	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

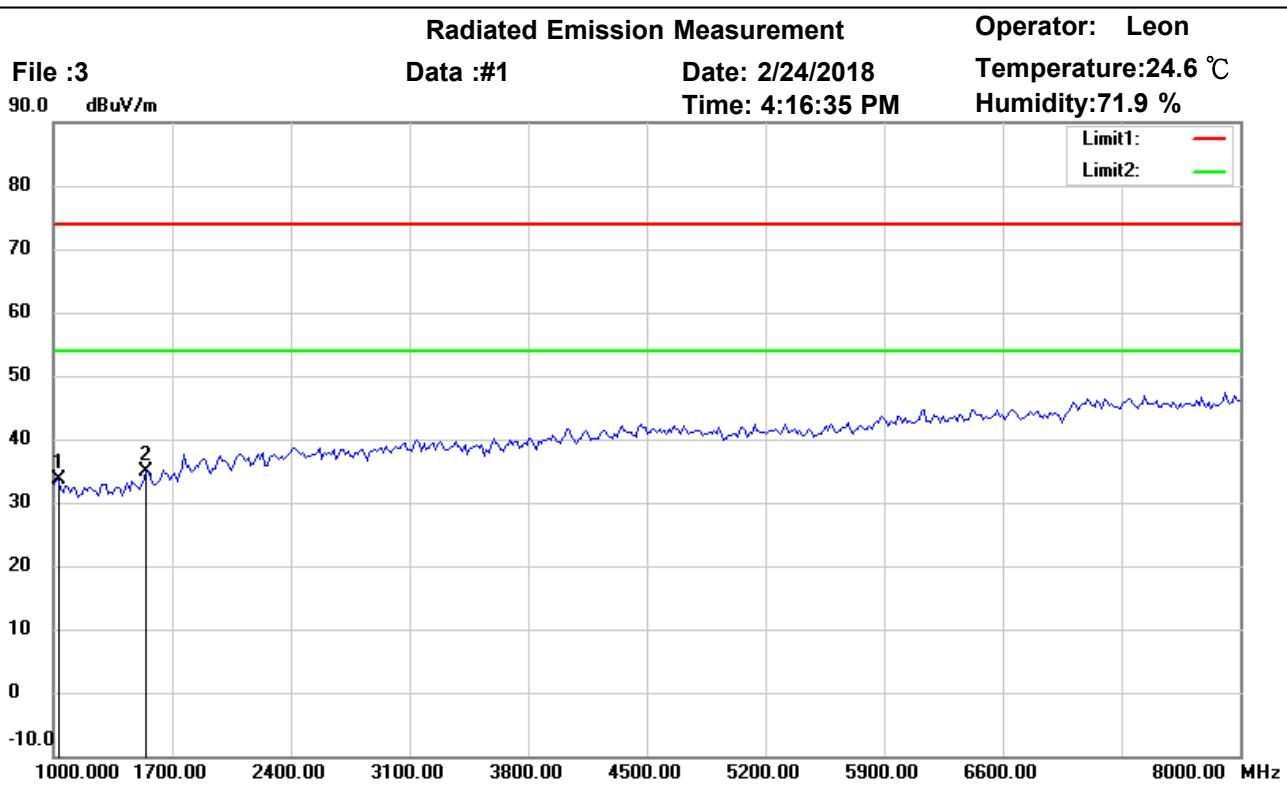
Test Mode : RX 2406MHz

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
	76.6533	44.17	peak	-14.06	30.11	40.00	100	265	-9.89	
*	162.1844	47.62	peak	-9.38	38.24	43.50	100	245	-5.26	
	220.5010	47.60	peak	-10.11	37.49	46.00	100	190	-8.51	
	259.3788	43.09	peak	-7.25	35.84	46.00	100	305	-10.16	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

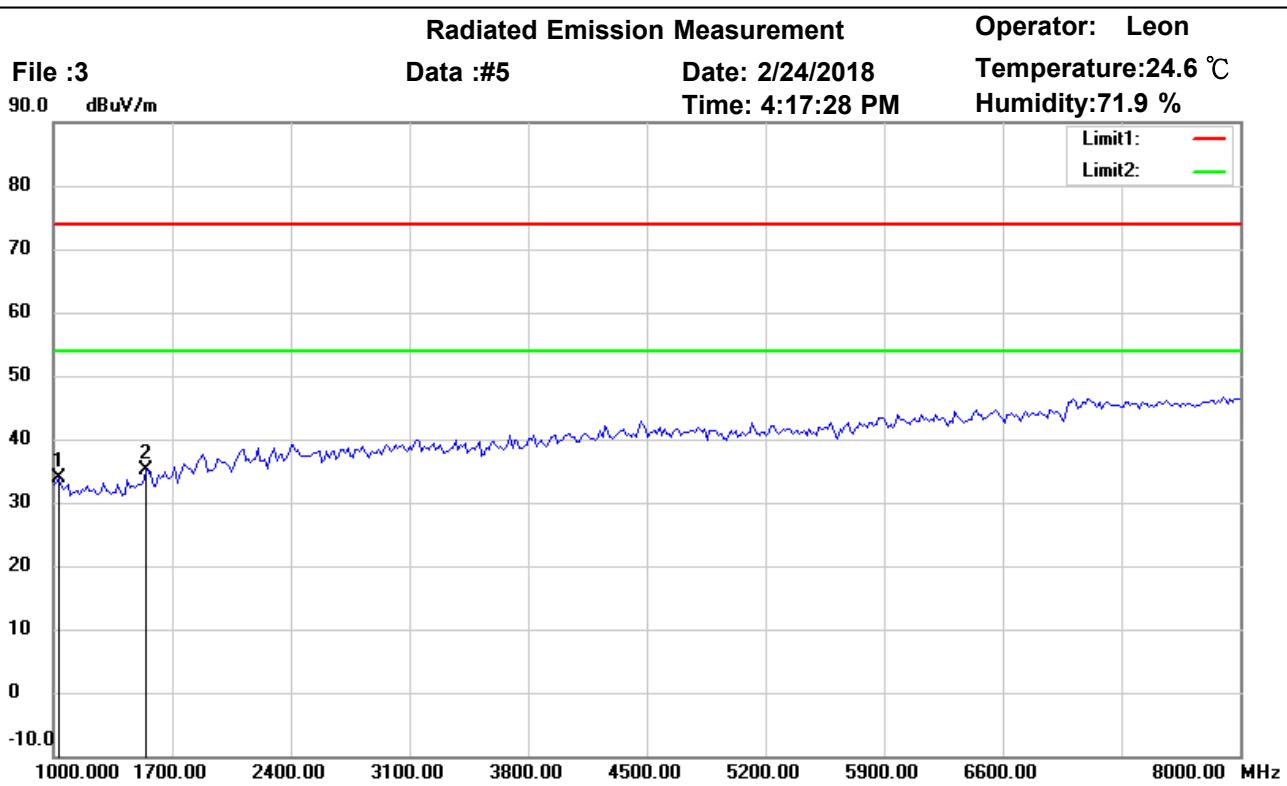
Test Mode : RX 2406MHz

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
	1028.056	41.37	peak	-7.65	33.72	74.00	150	175	-40.28	
*	1547.094	43.42	peak	-8.58	34.84	74.00	150	40	-39.16	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

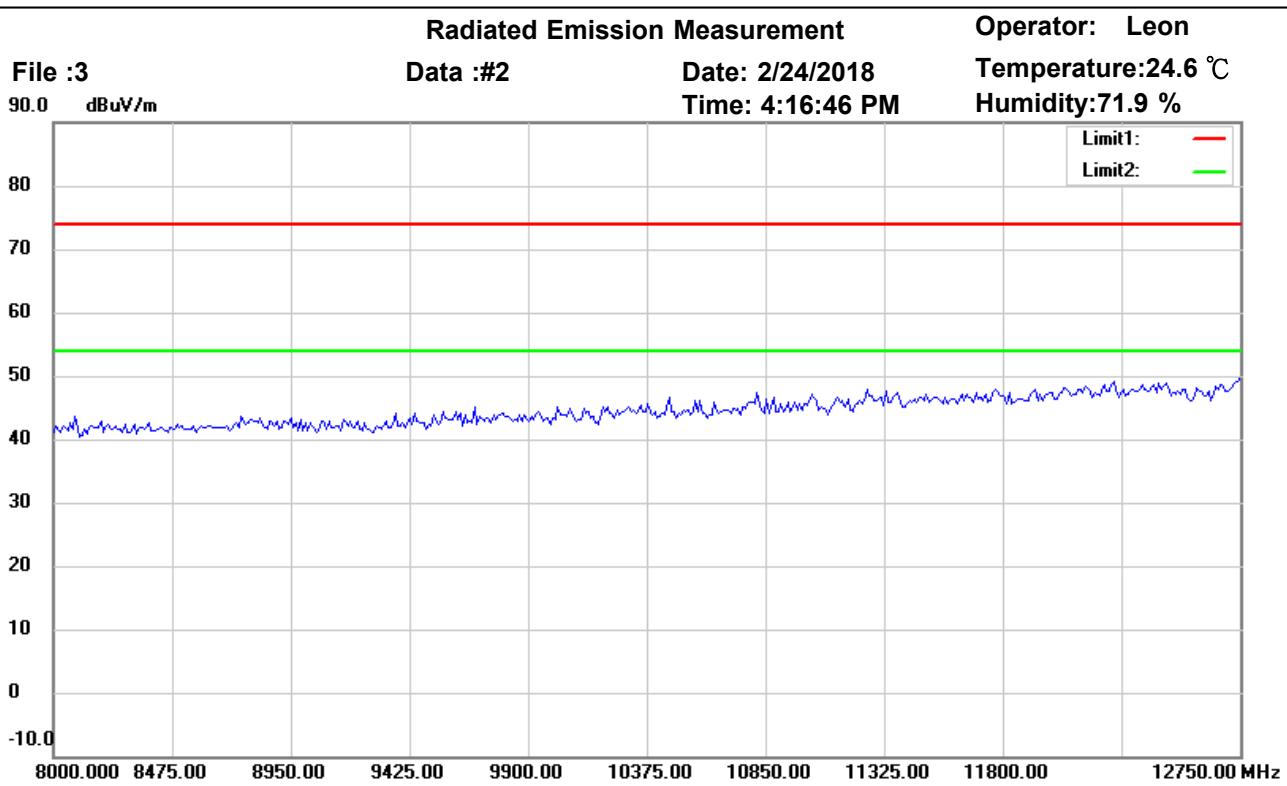
Test Mode : RX 2406MHz

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
	1028.056	41.51	peak	-7.65	33.86	74.00	150	55	-40.14	
*	1547.094	43.71	peak	-8.58	35.13	74.00	150	240	-38.87	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

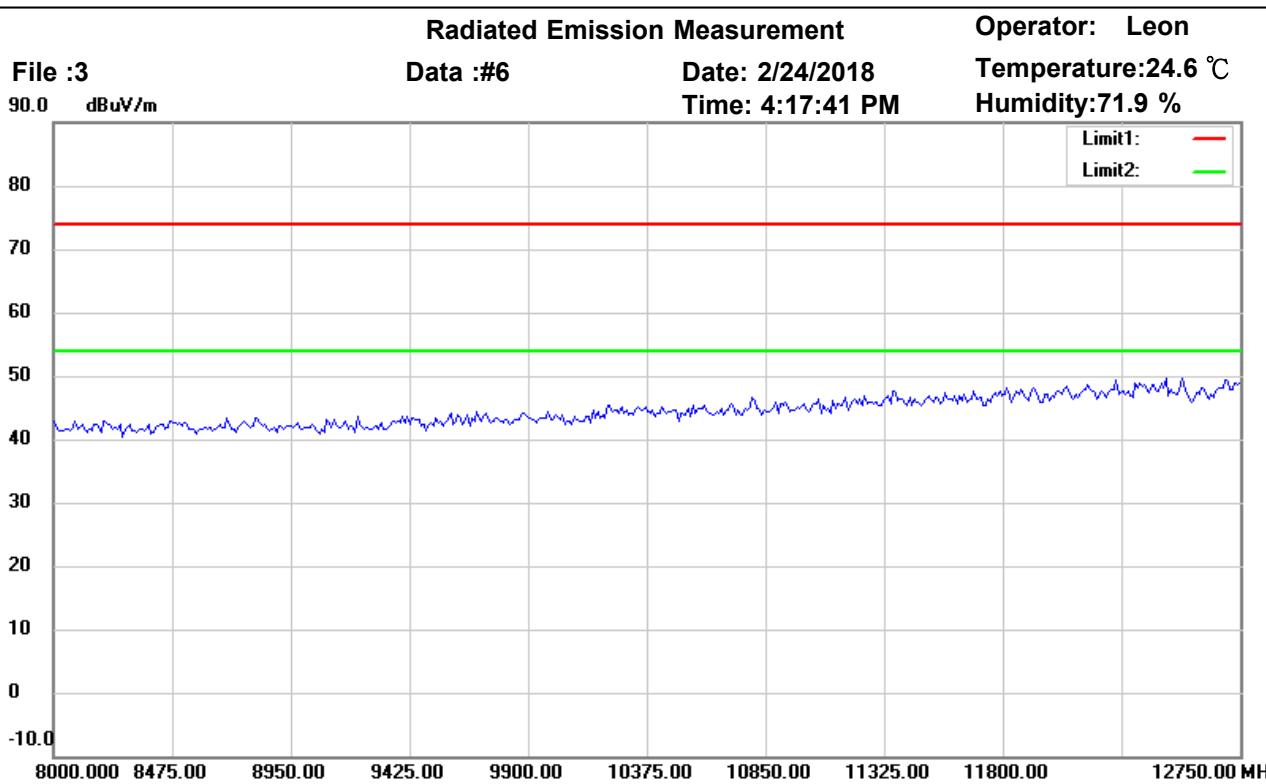
Test Mode : RX 2406MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

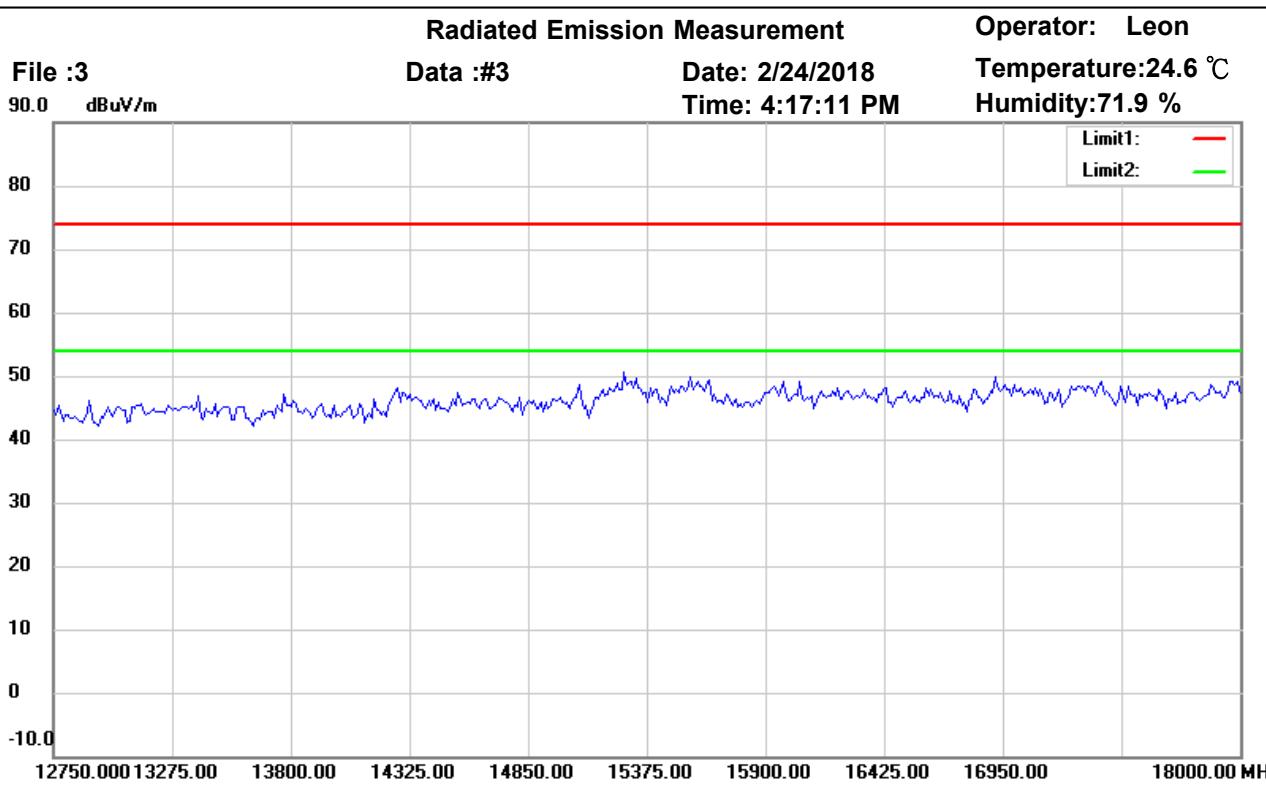
Test Mode : RX 2406MHz

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: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

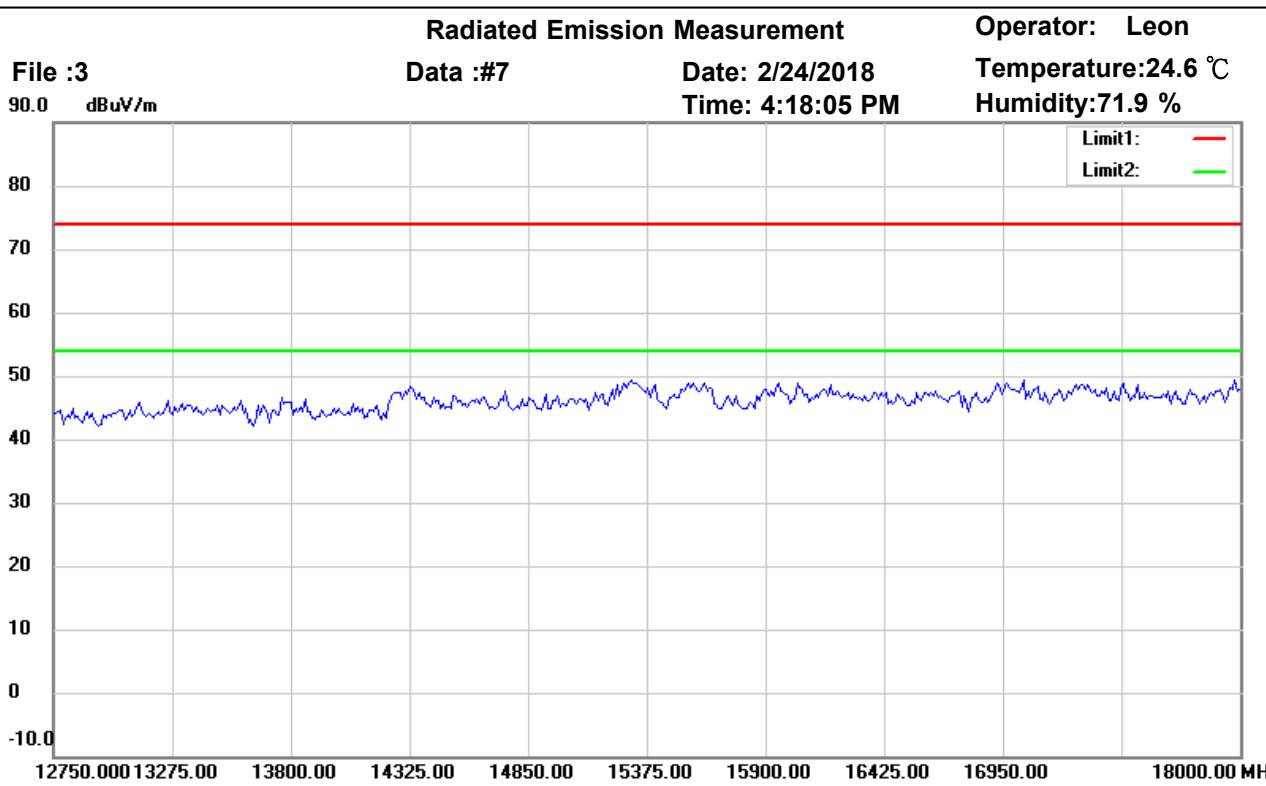
Test Mode : RX 2406MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

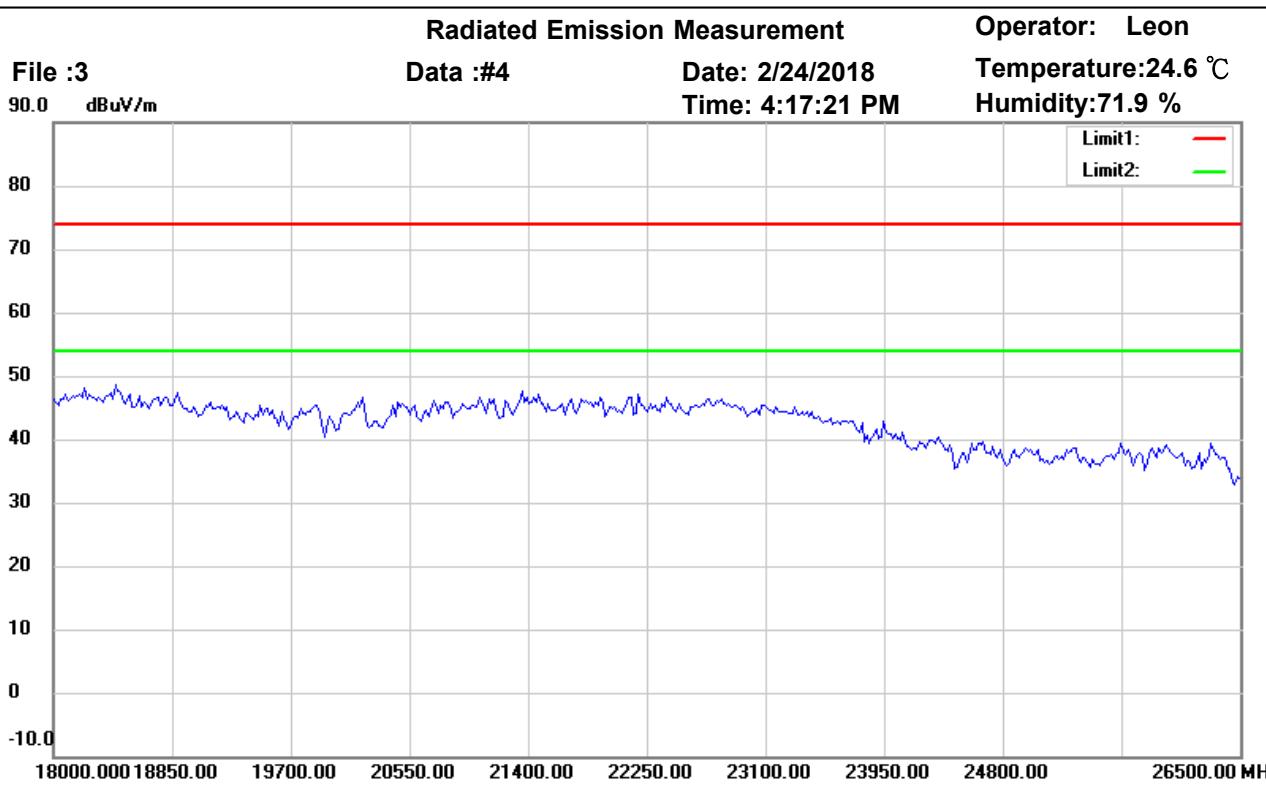
Test Mode : RX 2406MHz

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: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

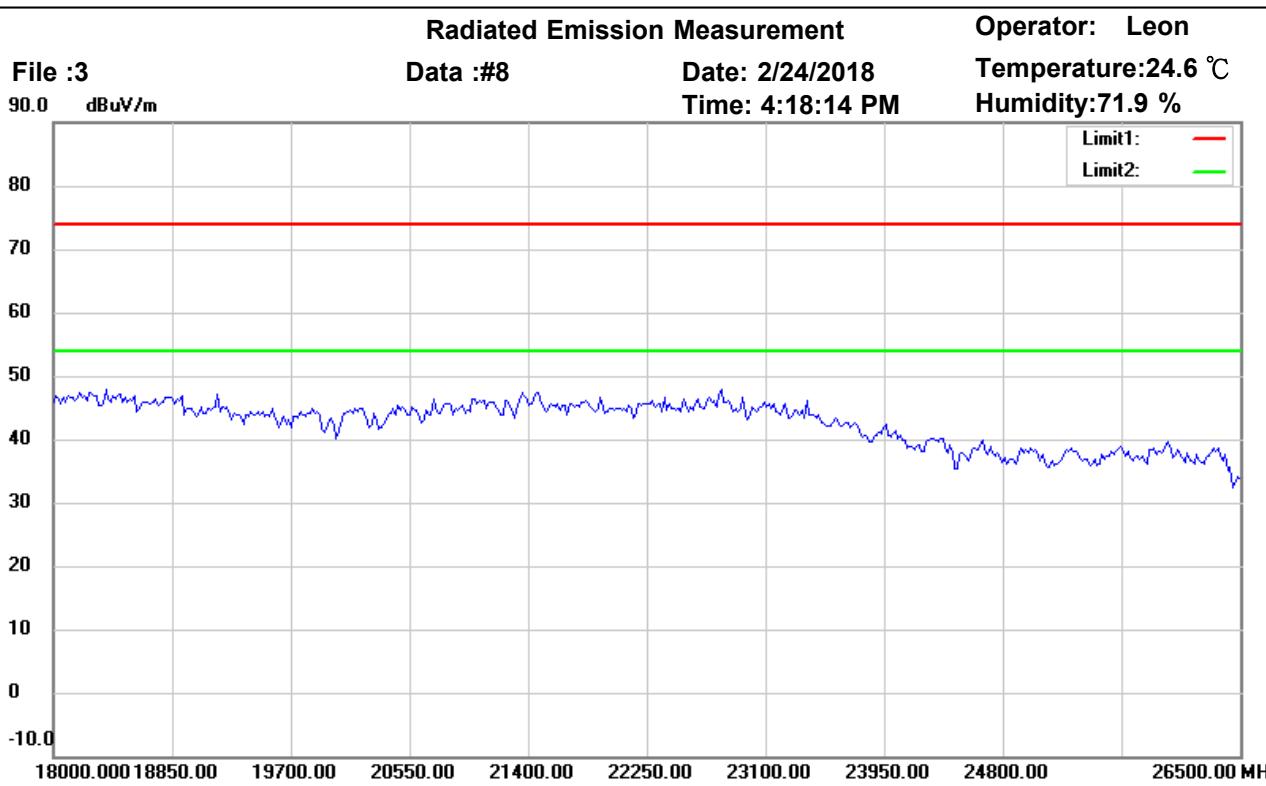
Test Mode : RX 2406MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

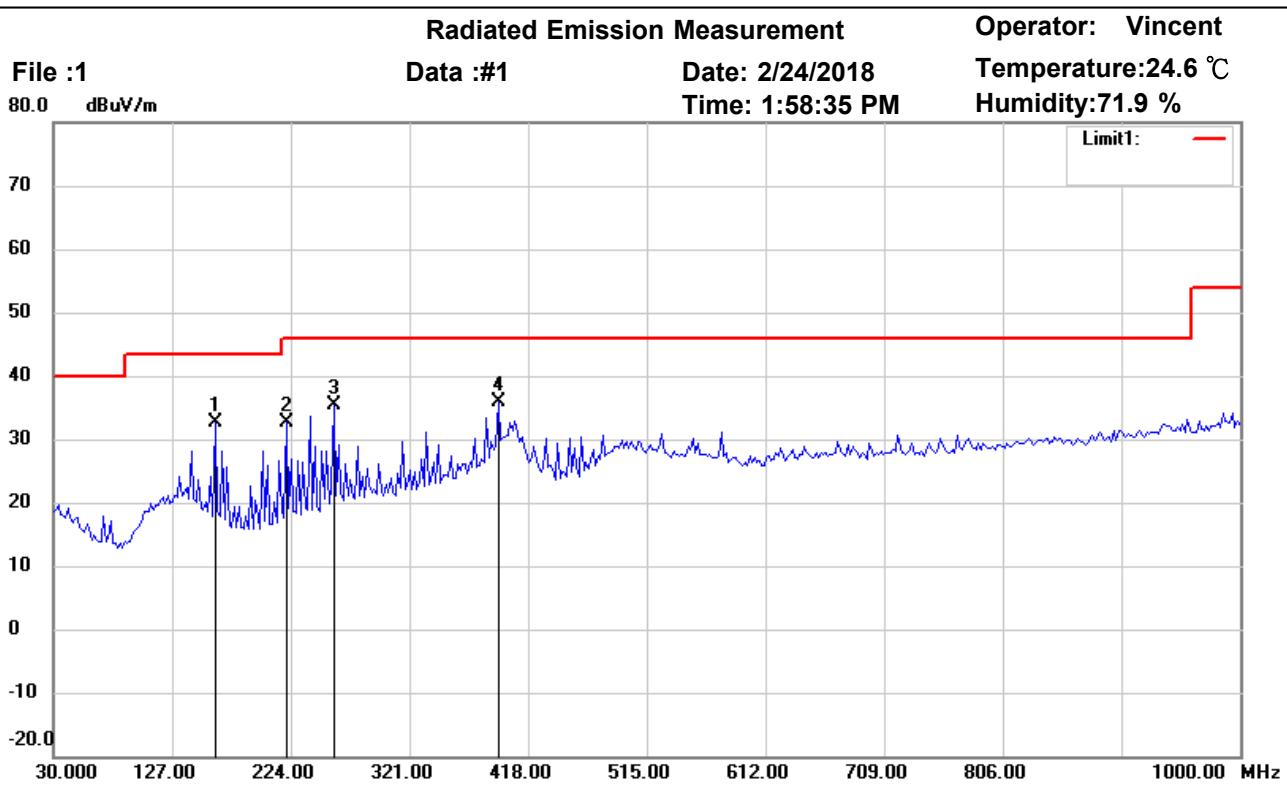
Test Mode : RX 2406MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

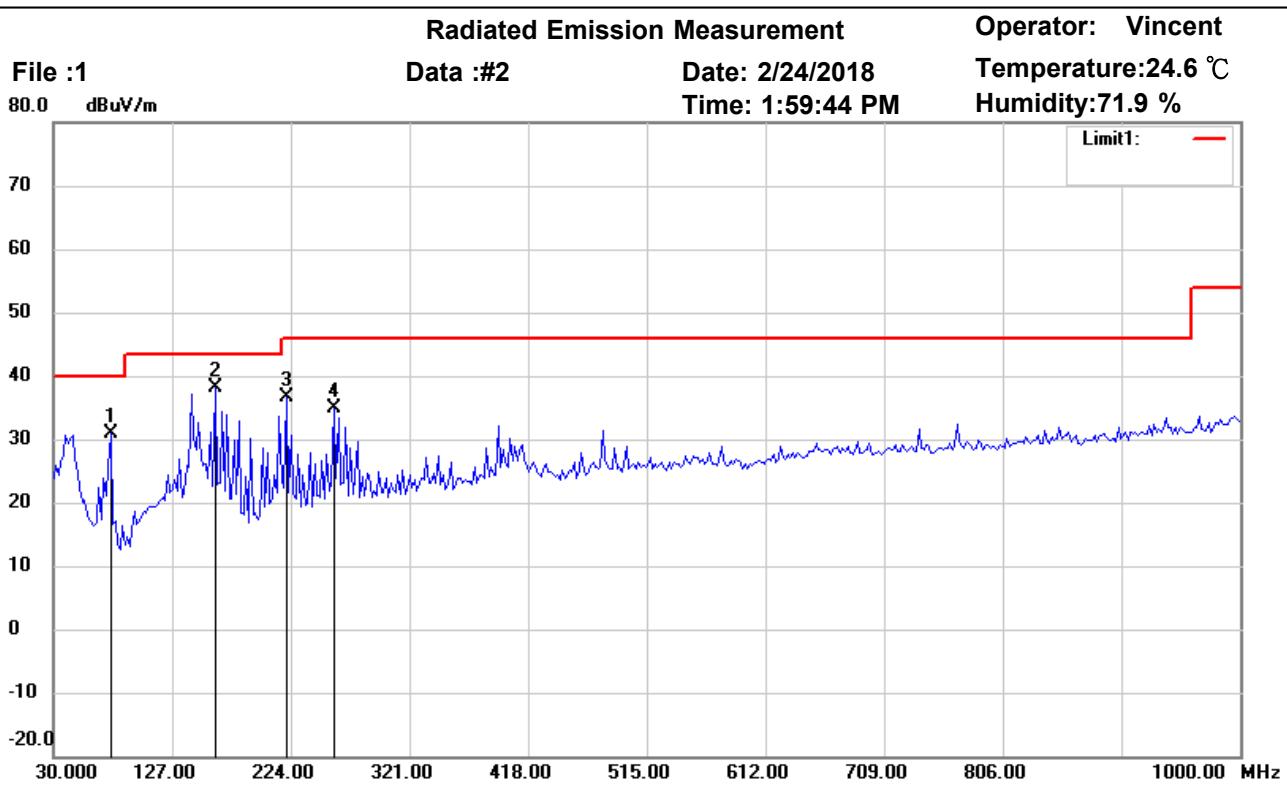
Test Mode : RX 2442MHz

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
	162.1844	41.93	peak	-9.38	32.55	43.50	100	125	-10.95	
	220.5010	42.83	peak	-10.11	32.72	46.00	100	290	-13.28	
	259.3788	42.51	peak	-7.25	35.26	46.00	100	145	-10.74	
*	393.5070	39.67	peak	-3.70	35.97	46.00	100	305	-10.03	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

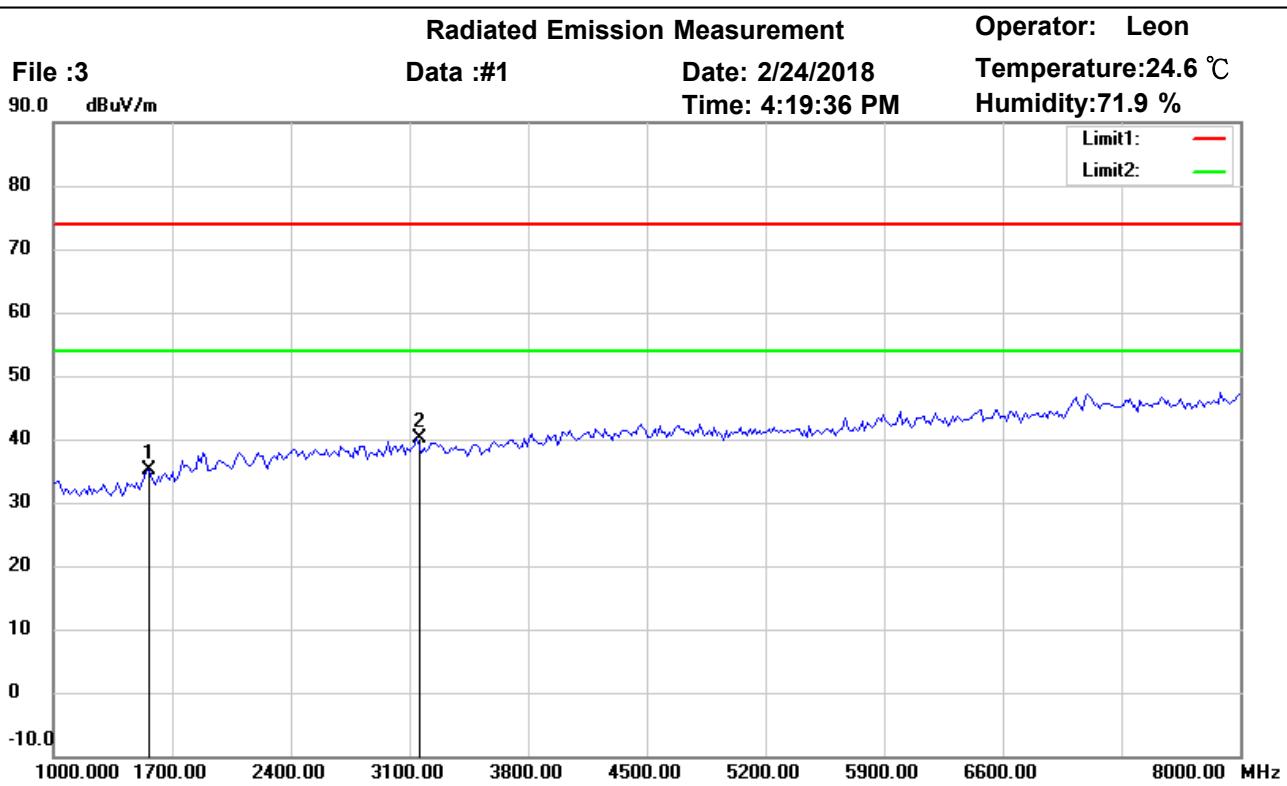
Test Mode : RX 2442MHz

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
	76.6533	45.03	peak	-14.06	30.97	40.00	100	245	-9.03	
*	162.1844	47.63	peak	-9.38	38.25	43.50	100	125	-5.25	
	220.5010	46.81	peak	-10.11	36.70	46.00	100	190	-9.30	
	259.3788	42.10	peak	-7.25	34.85	46.00	100	220	-11.15	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

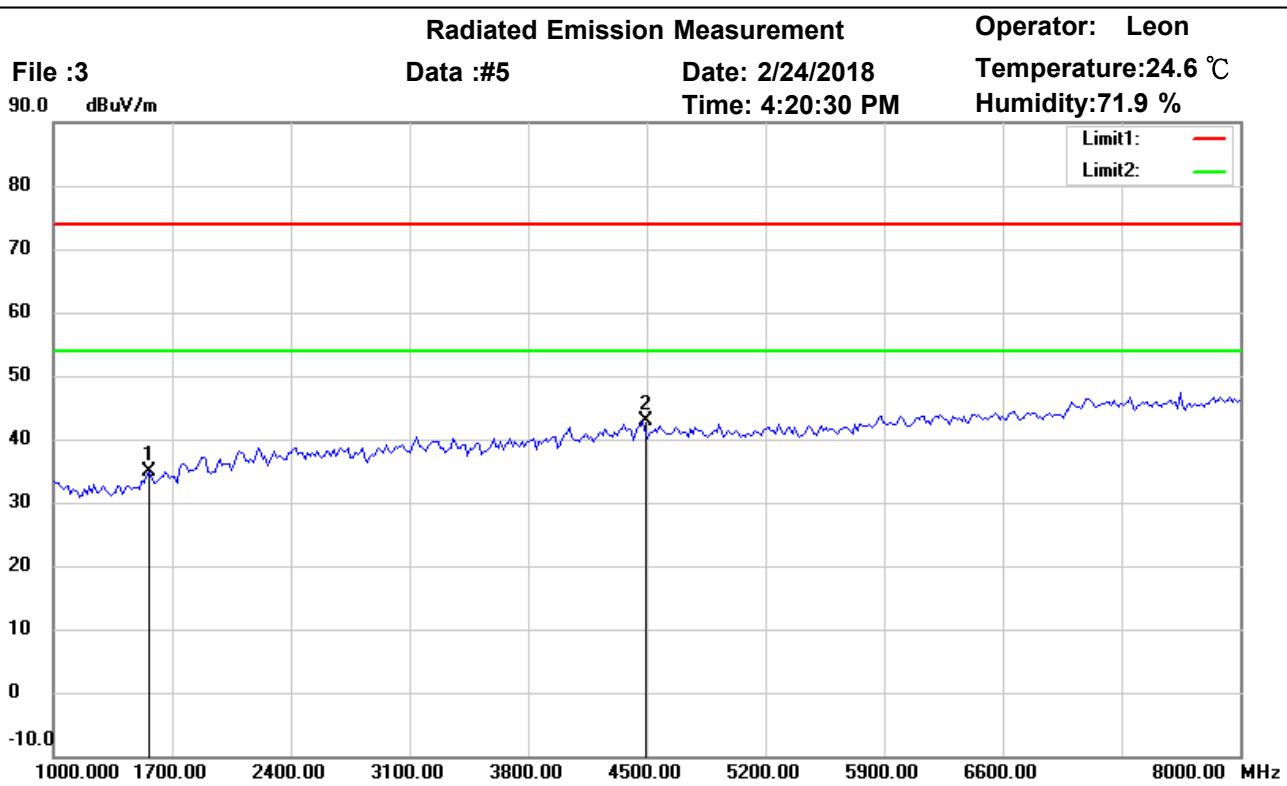
Test Mode : RX 2442MHz

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	43.69	peak	-8.45	35.24	74.00	150	240	-38.76	
*	3146.293	42.74	peak	-2.63	40.11	74.00	150	110	-33.89	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

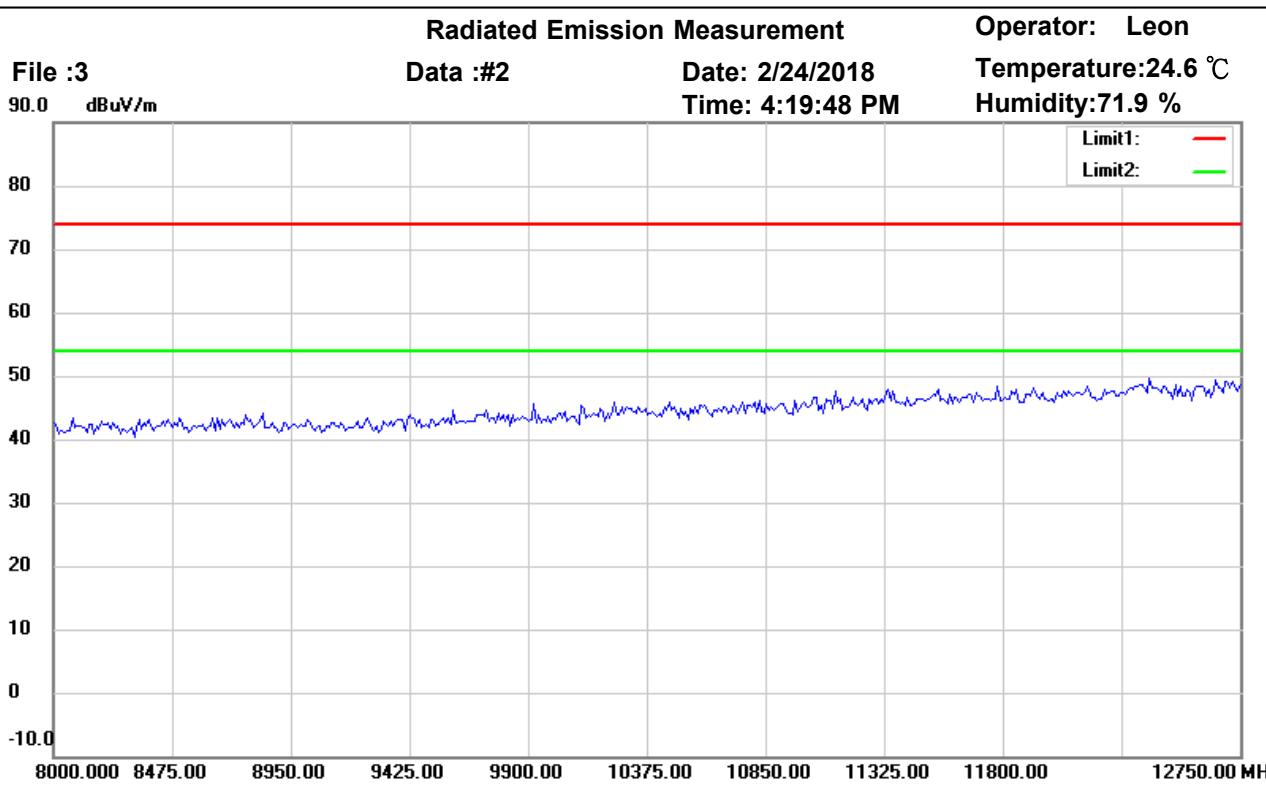
Test Mode : RX 2442MHz

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	43.38	peak	-8.45	34.93	74.00	150	55	-39.07	
*	4478.958	43.02	peak	-0.08	42.94	74.00	150	260	-31.06	



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Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

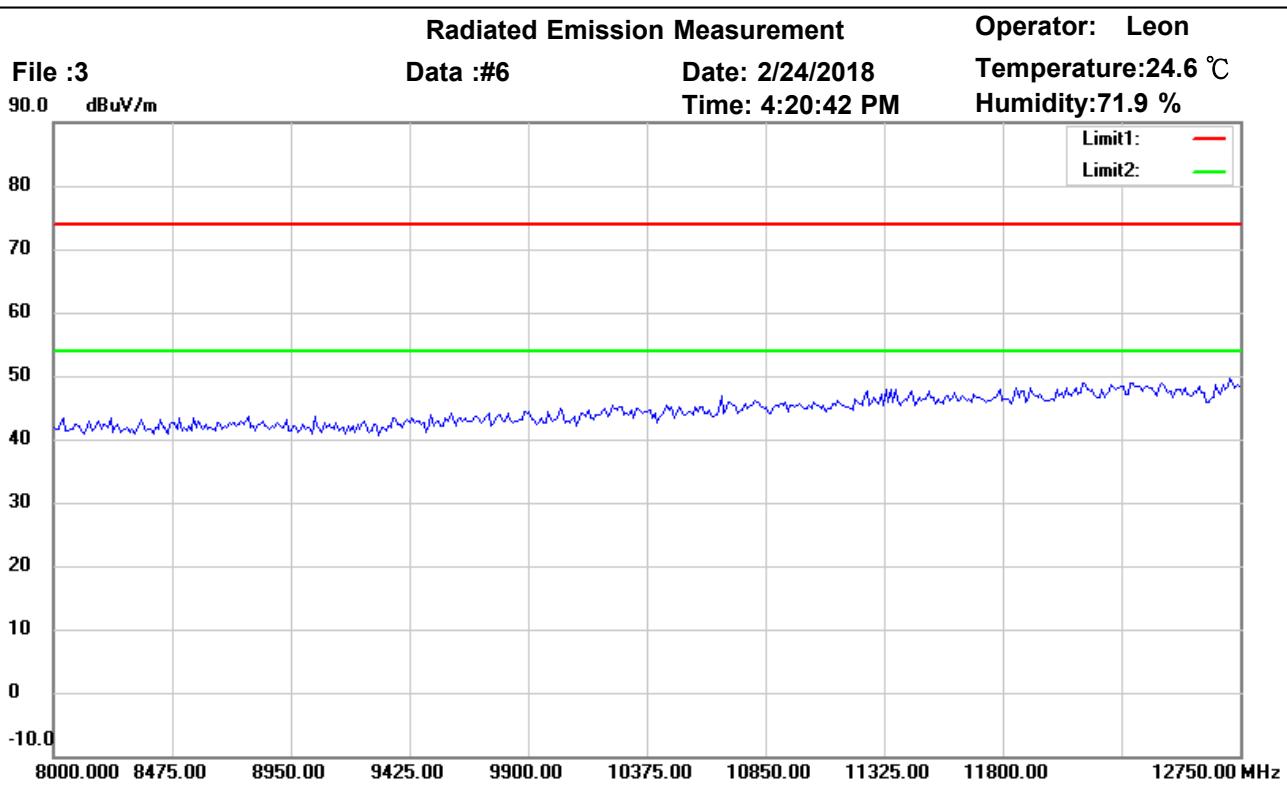
Test Mode : RX 2442MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

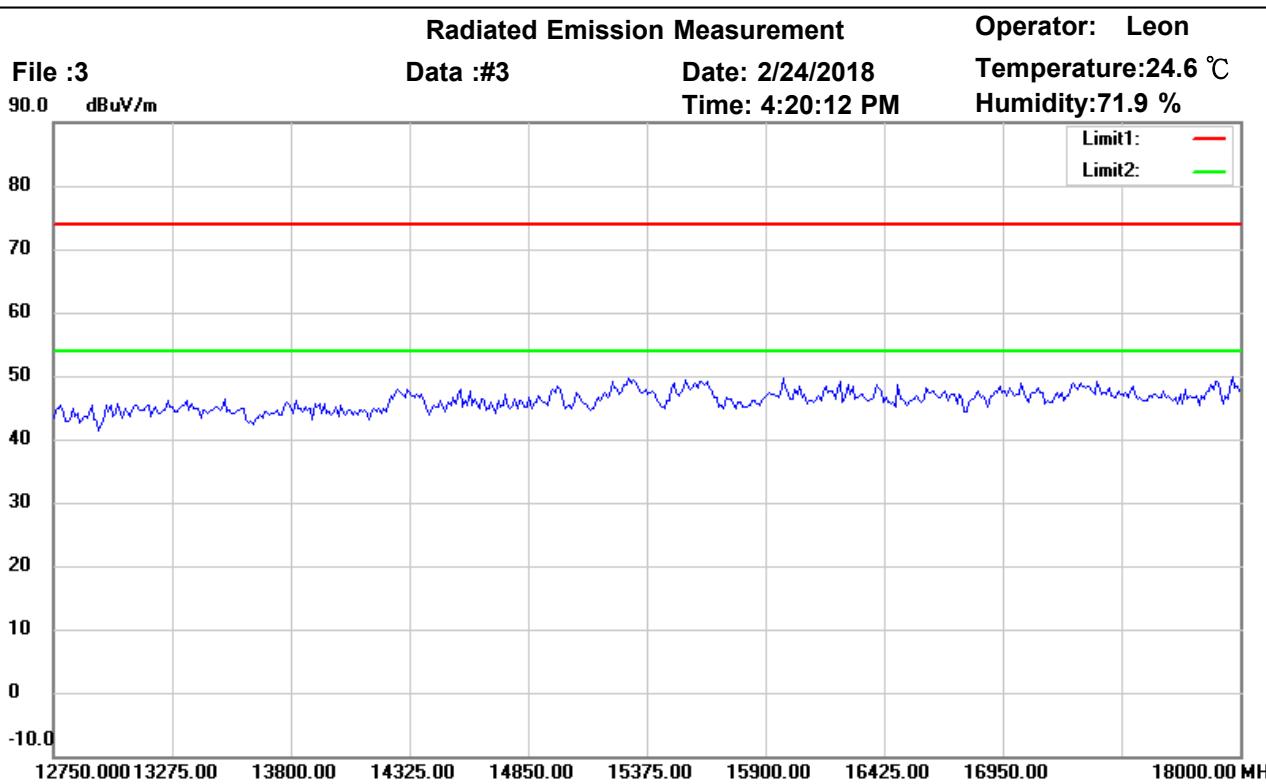
Test Mode : RX 2442MHz

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: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

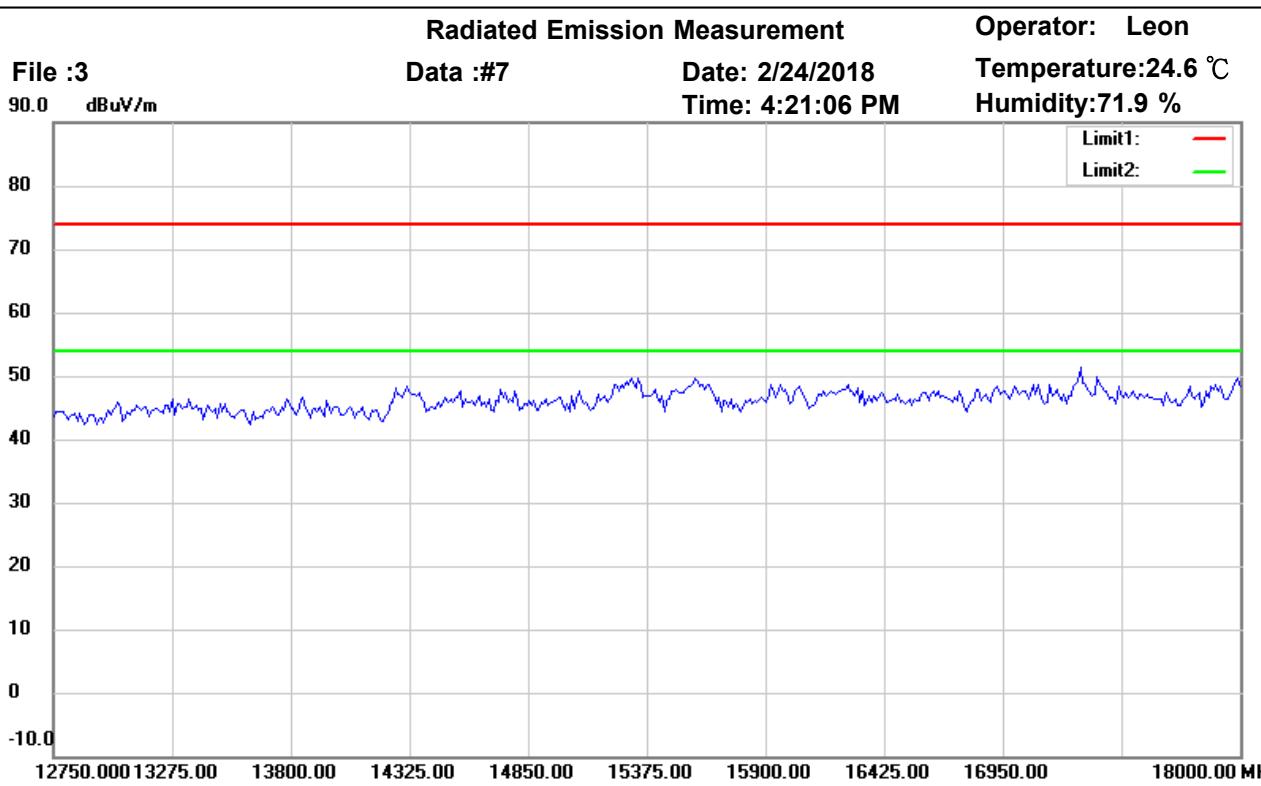
Test Mode : RX 2442MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

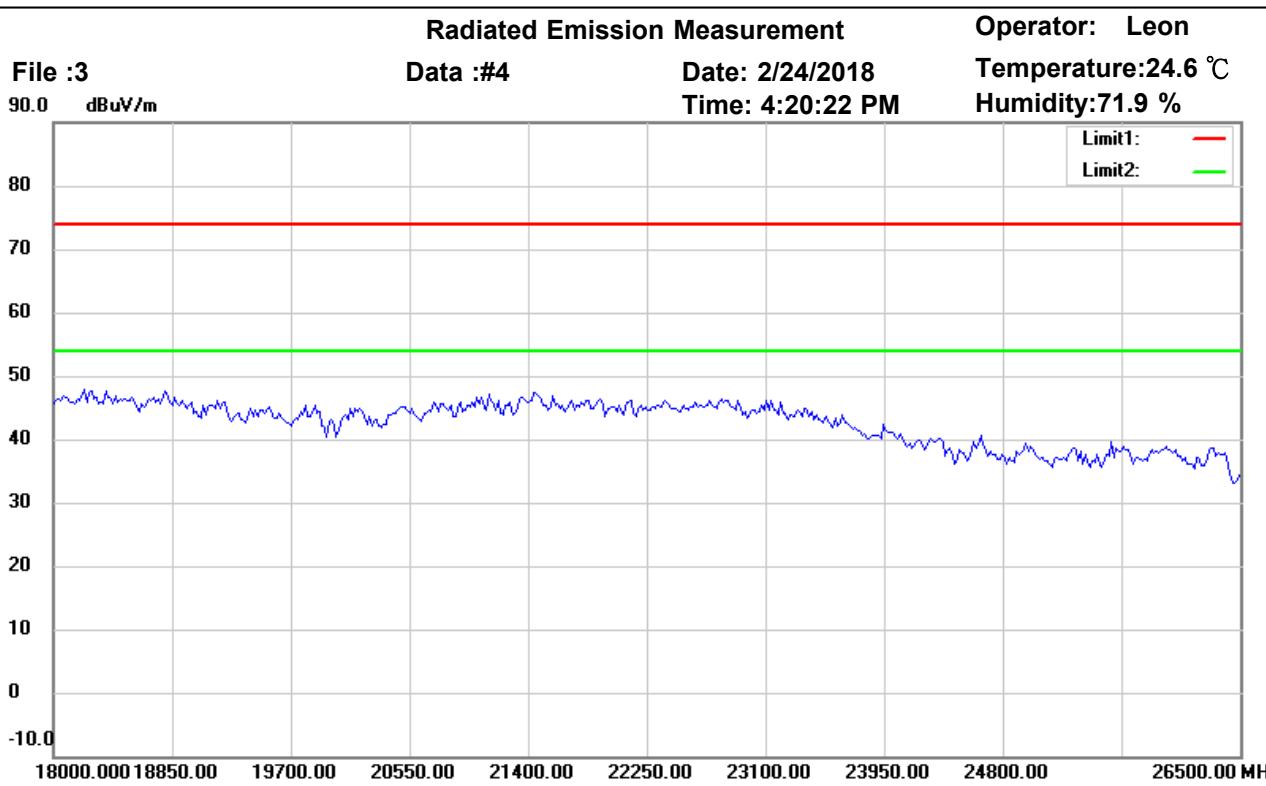
Test Mode : RX 2442MHz

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: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

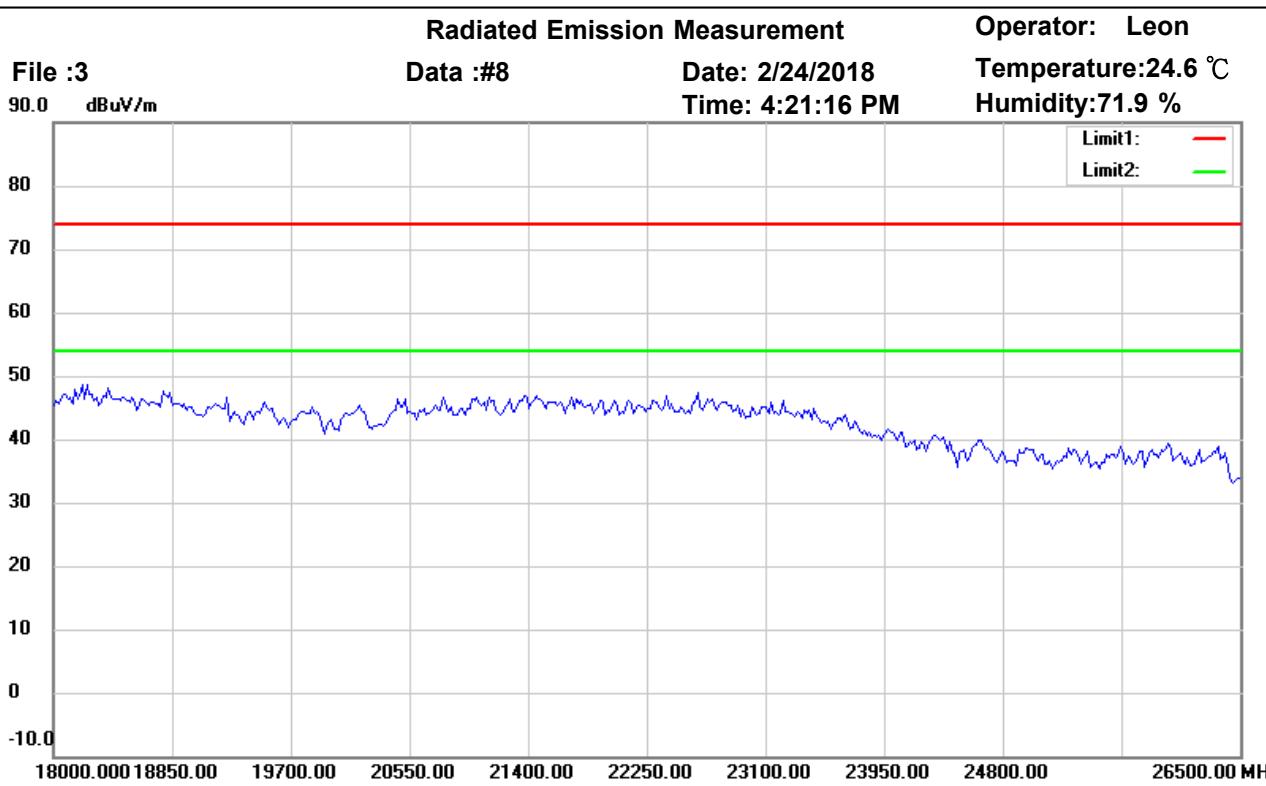
Test Mode : RX 2442MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

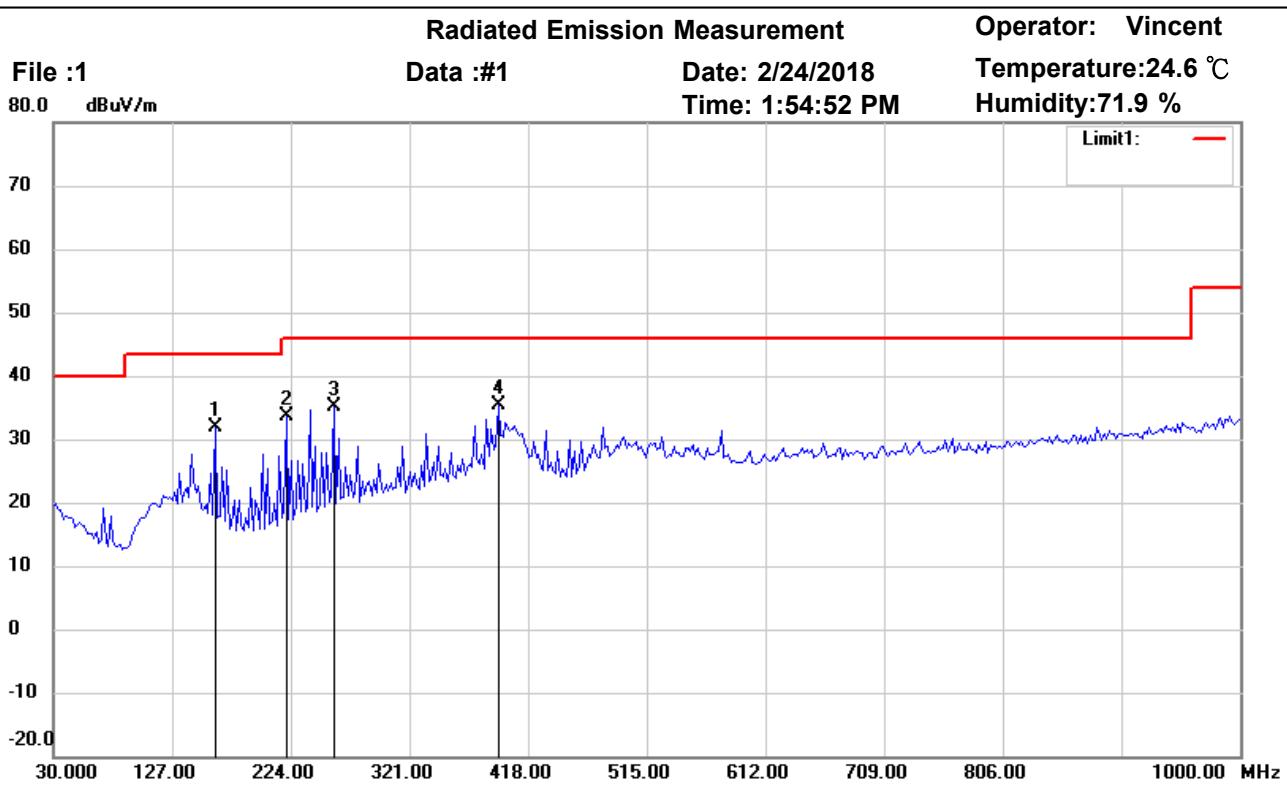
Test Mode : RX 2442MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

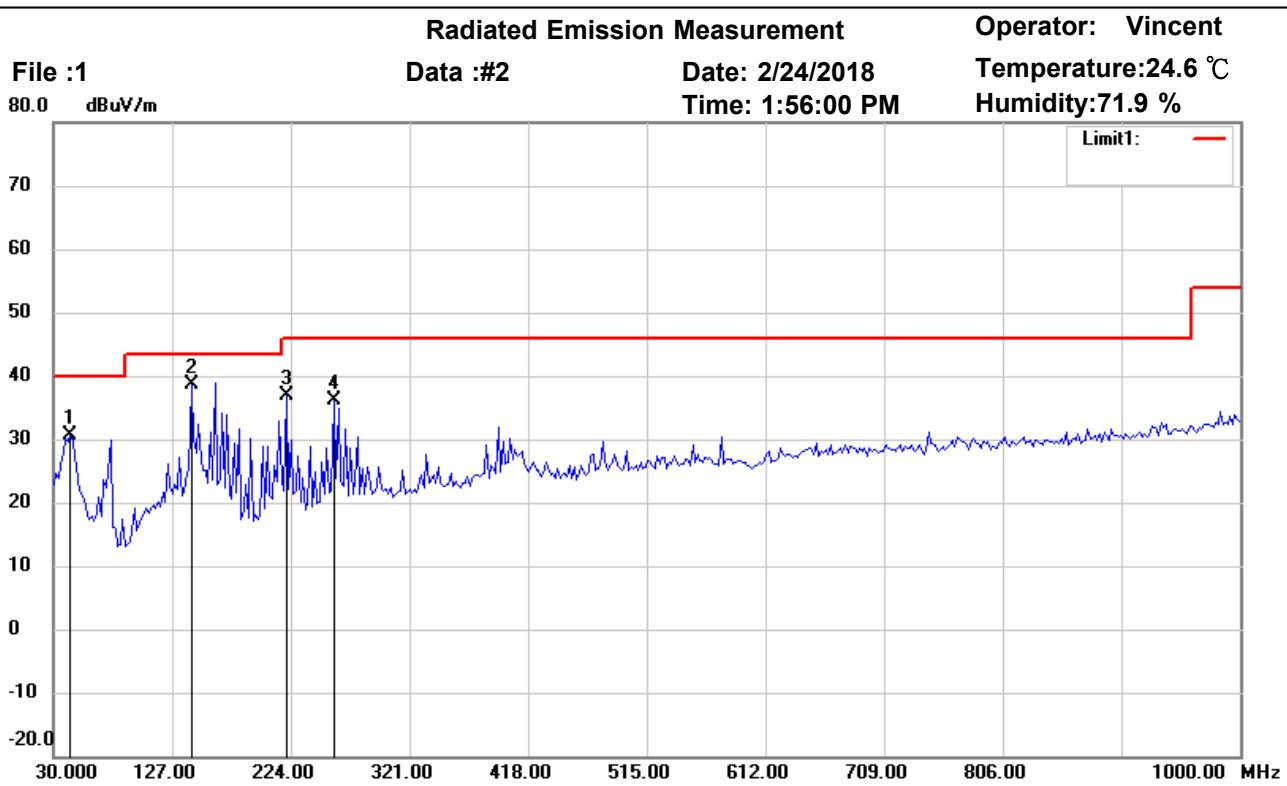
Test Mode : RX 2475MHz

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
	162.1844	41.22	peak	-9.38	31.84	43.50	100	240	-11.66	
	220.5010	43.84	peak	-10.11	33.73	46.00	100	175	-12.27	
	259.3788	42.47	peak	-7.25	35.22	46.00	100	125	-10.78	
*	393.5070	39.18	peak	-3.70	35.48	46.00	100	60	-10.52	



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Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

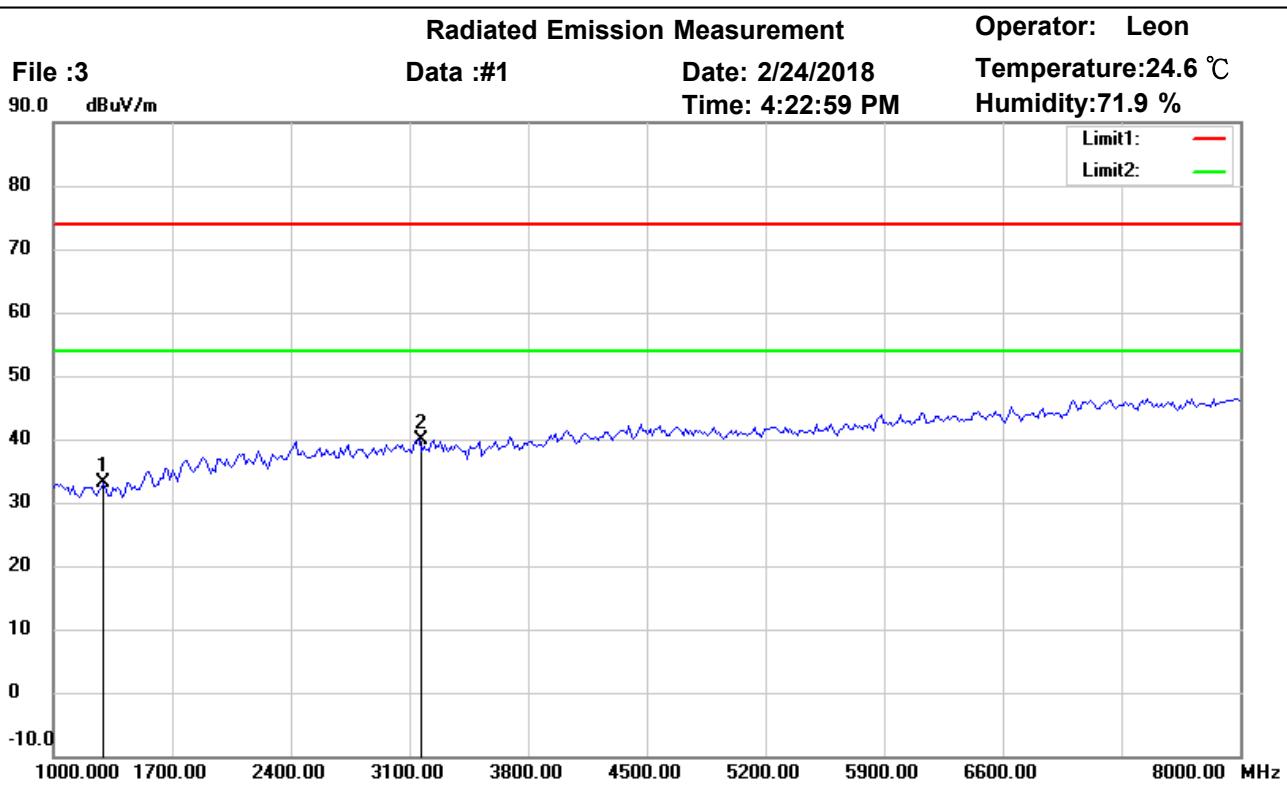
Test Mode : RX 2475MHz

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
	43.6071	40.42	peak	-9.80	30.62	40.00	100	280	-9.38	
*	142.7453	45.80	peak	-7.14	38.66	43.50	100	105	-4.84	
	220.5010	47.10	peak	-10.11	36.99	46.00	100	220	-9.01	
	259.3788	43.46	peak	-7.25	36.21	46.00	100	255	-9.79	



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Fax:+886-2-6606-8875



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

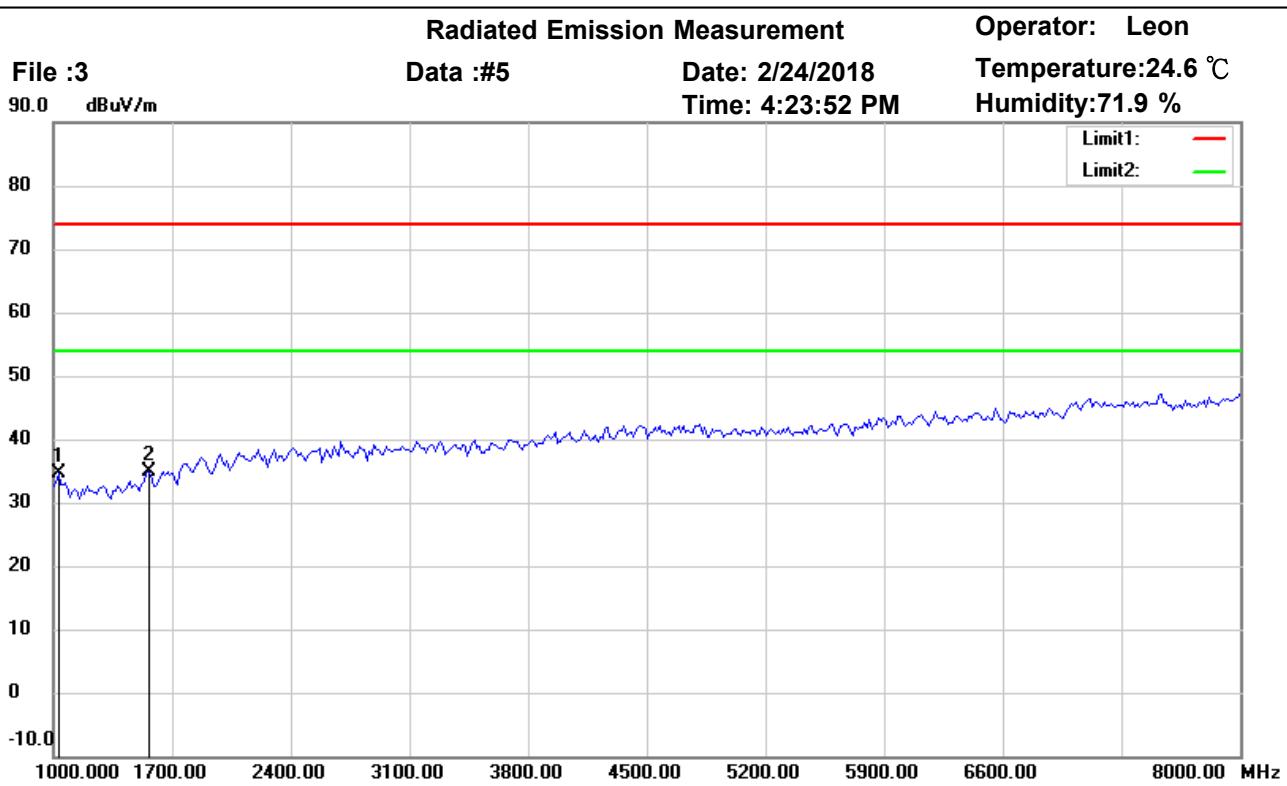
Test Mode : RX 2475MHz

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	42.30	peak	-9.20	33.10	74.00	150	175	-40.90	
*	3160.321	42.27	peak	-2.50	39.77	74.00	150	40	-34.23	



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

Polarization: *Vertical*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

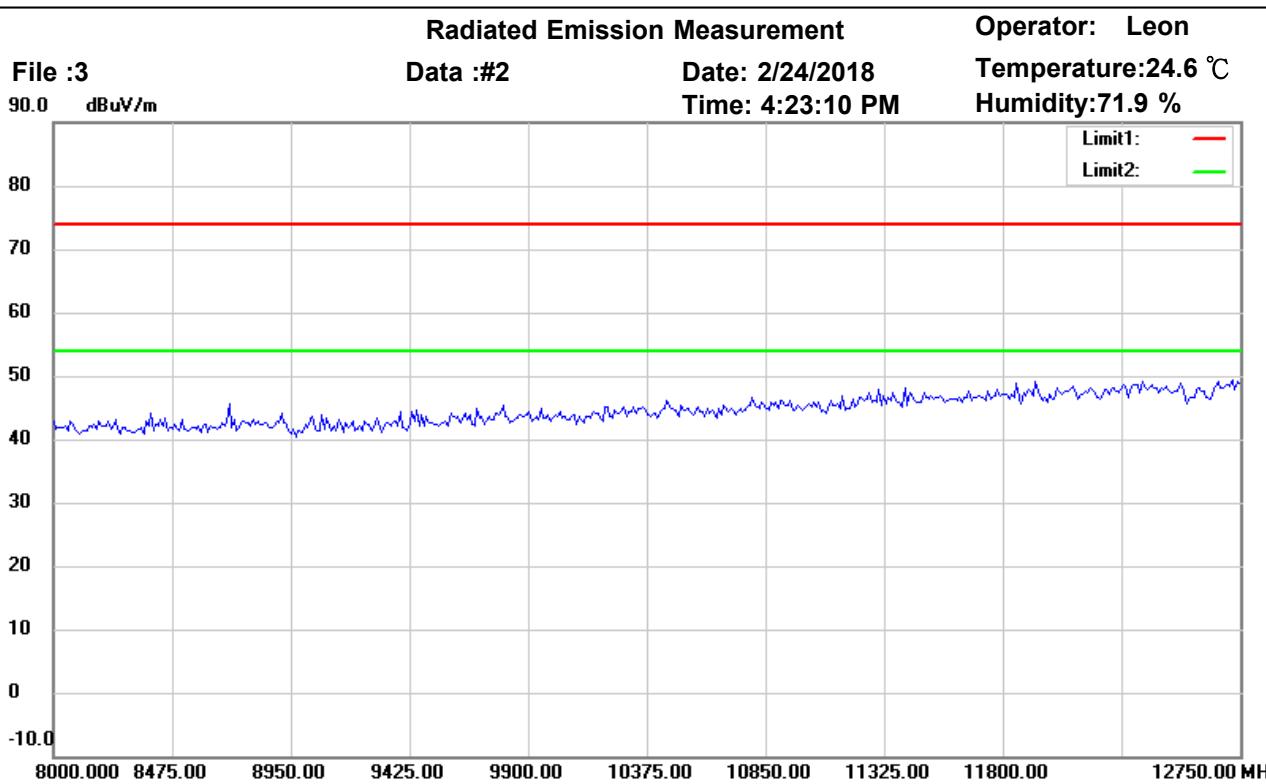
Test Mode : RX 2475MHz

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
	1028.056	42.34	peak	-7.65	34.69	74.00	150	95	-39.31	
*	1561.122	43.26	peak	-8.45	34.81	74.00	150	230	-39.19	



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Polarization: *Horizontal*

EUT : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

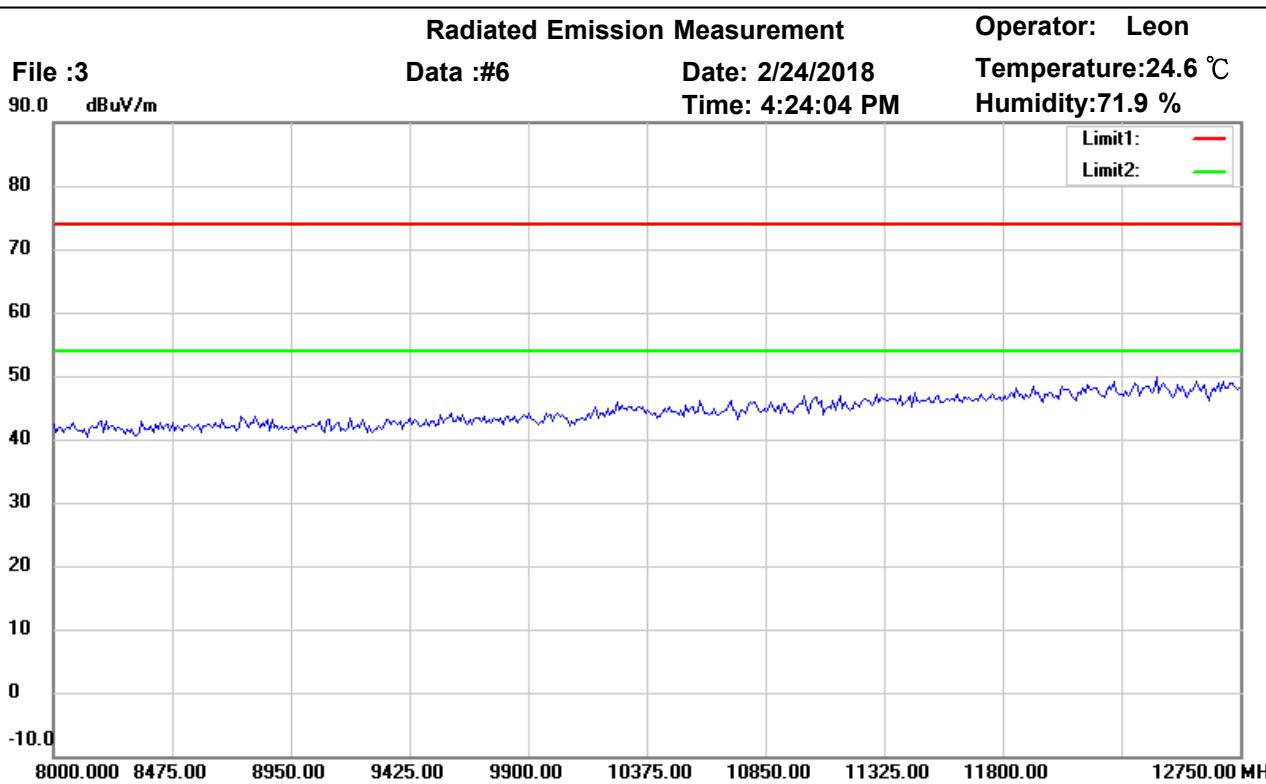
Test Mode : RX 2475MHz

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 : W6M21712-17677

Power : 120 V.a.c.

M/N:

Distance: 3m

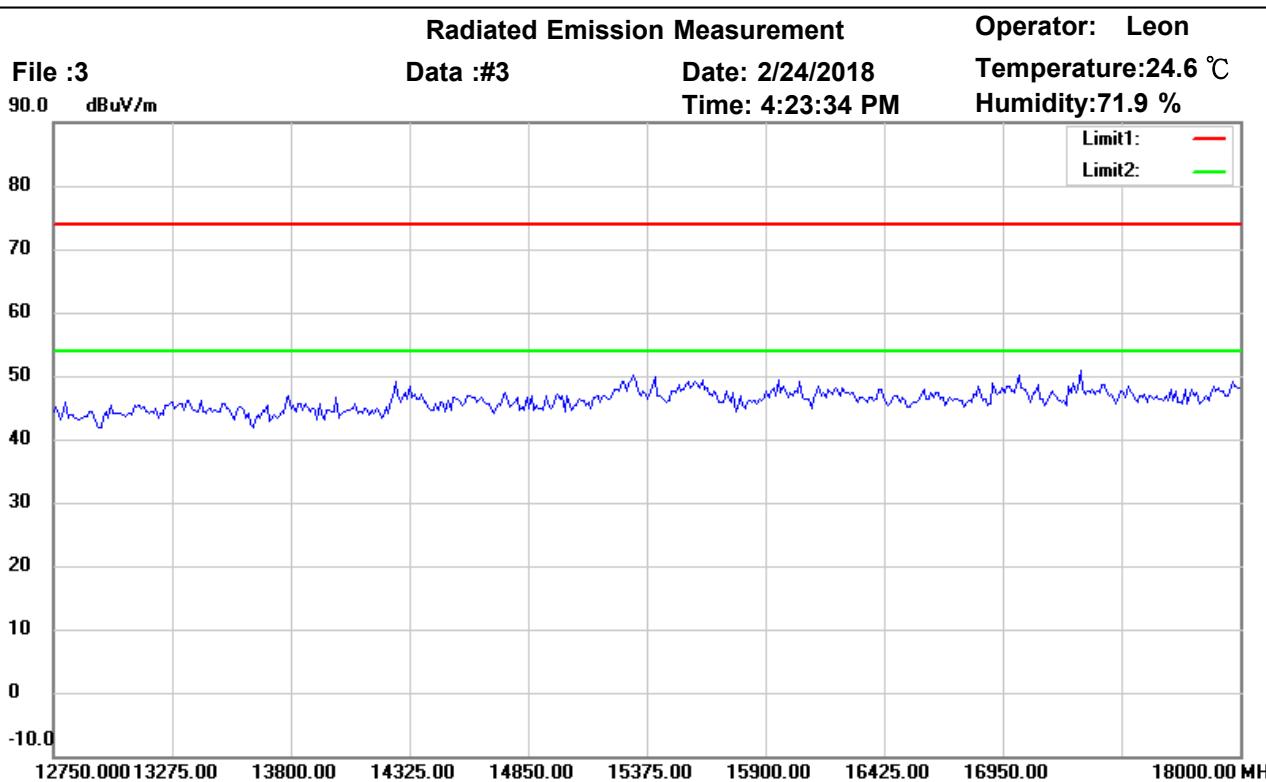
Test Mode : RX 2475MHz

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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EUT : W6M21712-17677

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M/N:

Distance: 3m

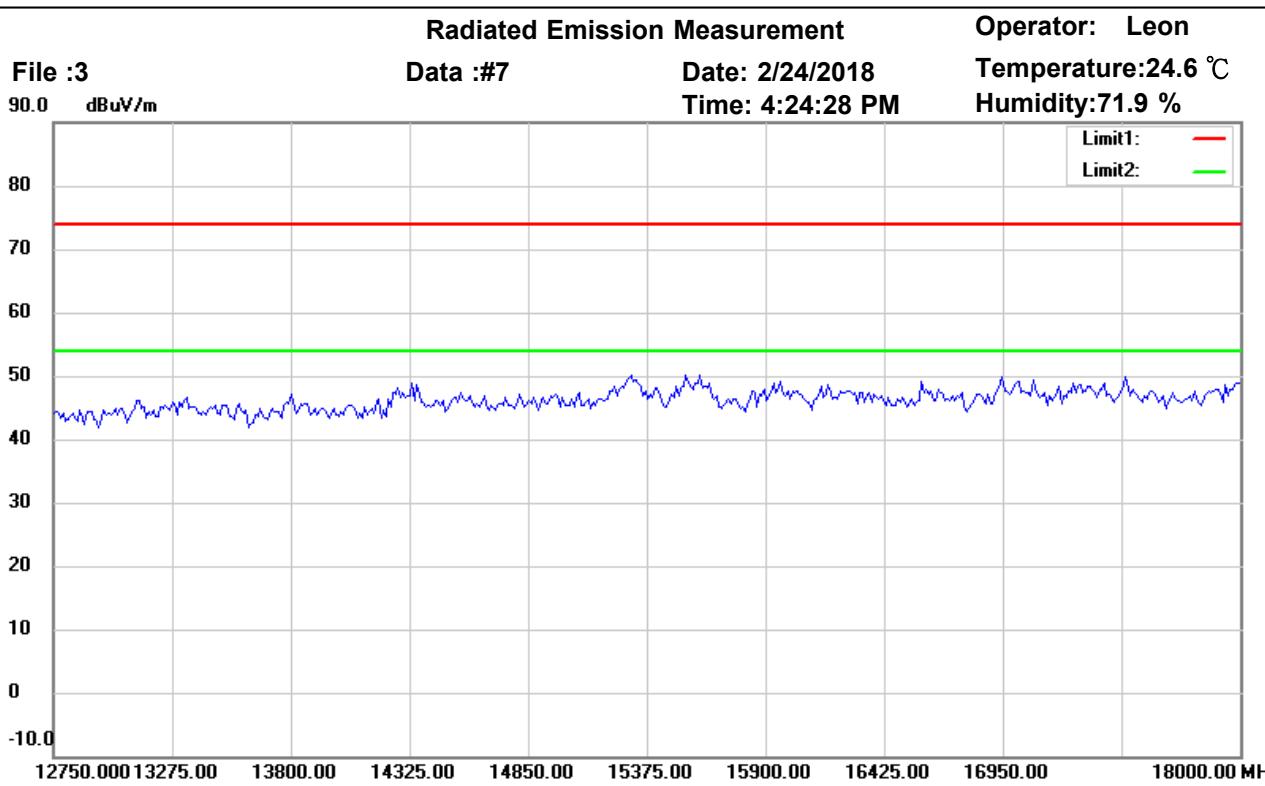
Test Mode : RX 2475MHz

Note :

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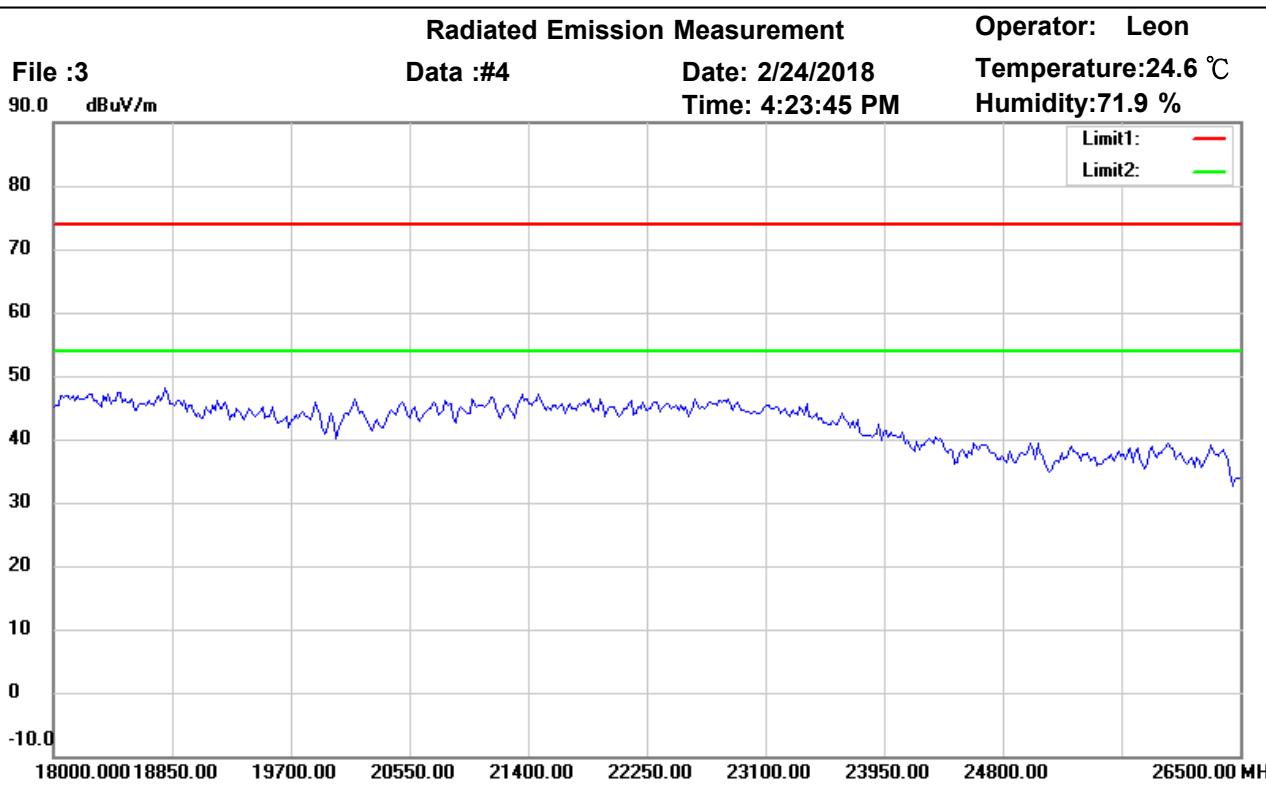
Test Mode : RX 2475MHz

Note :

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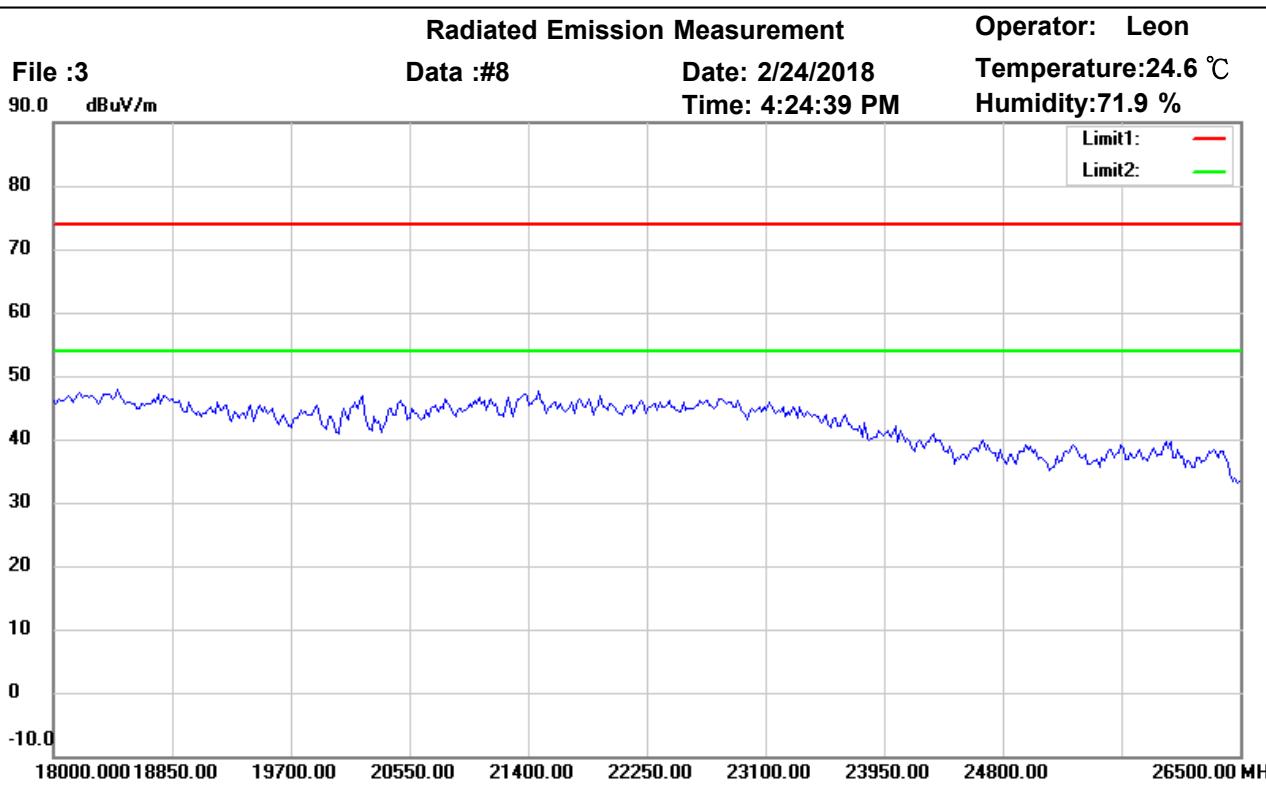
Test Mode : RX 2475MHz

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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