

**FCC PART 15 SUBPART C TEST REPORT**

**for**

**2.4GHz Mouse**

**Model No.: MWP365**

**FCC ID: NIYMWP365**

**of**

Applicant: **Dexin Corp**

Address: **14F-8, No. 258, Lian Cheng Rd Chung Ho City Taipei Hsien  
Taiwan**

Tested and Prepared

by

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

**FCC Registration No.: 930600**

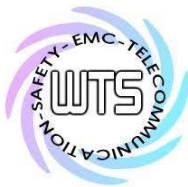
**Industry Canada filed test laboratory Reg. No. IC 5679A-1, IC 5107A-1**

**A2LA Accredited No.: 2732.01**



**Report No.: W6M21703-16771-C-9**

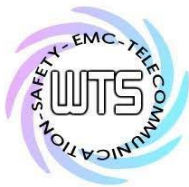
6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.  
TEL: 886-2-66068877      FAX: 886-2-66068879      E-mail: [wts@wts-lab.com](mailto:wts@wts-lab.com)



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

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## 1 General Information

### **1.1 Notes**

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

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

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


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

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

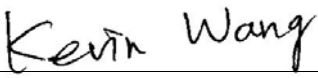
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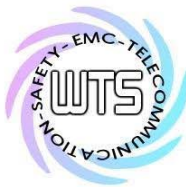
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### **Tester:**

April 11, 2017	Spencer Yang	
Date	WTS-Lab. Name	Signature

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

April 11, 2017	Kevin Wang	
Date	WTS Name	Signature



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

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## **1.2 Testing laboratory**

### **1.2.1 Location**

OATS

No.5-1, Lishui, Shuang Sing Village,  
Wanli Dist., New Taipei City 207,  
Taiwan (R.O.C.)

3 meter semi-anechoic chamber

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

TEL:886-2-6613-0228

FAX:886-2-2791-5046

Company

Worldwide Testing Services(Taiwan) Co., Ltd.

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

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

Tel : 886-2-66068877

Fax : 886-2-66068879

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

**Accredited testing laboratory**

**A2LA accredited number: 2730.01**

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

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

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

Name: ./.

Accredited number: ./.

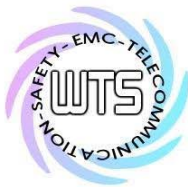
Street: ./.

Town: ./.

Country: ./.

Telephone: ./.

Fax: ./.



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### **1.3 Details of approval holder**

Name: Dexin Corp  
Street: 14F-8, No. 258, Lian Cheng Rd  
Town: Chung Ho City Taipei Hsien  
Country: Taiwan  
Telephone: +886-2-8227-1093  
Fax: +886-2-8227-1058

### **1.4 Application details**

Date of receipt of test item: March 29, 2017  
Date of test: From March 29, 2017 to April 11, 2017

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

Type of test item: 2.4GHz Mouse  
Model Number: MWP365  
Multi-listing model number: ./.  
Photos: see Annex

#### **Technical data**

Frequency band: 2.400-2.4835 GHz  
Operation Frequency: 2.408-2.474 GHz  
Frequency 1: 2.408 GHz  
Frequency 2: 2.440 GHz  
Frequency 3: 2.474 GHz

Operation modes: Half-Duplex  
Modulation Type: GFSK  
Antenna type: PCB Antenna  
Power supply: Battery 1.5Vd.c.

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

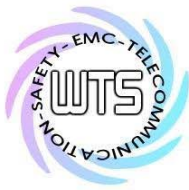
Name: Dongguan Dexin Electronics Co., Ltd.  
Street: No.2,Jianye 2 Road,Shitanpu Village.TangxiaTown,  
Town: Dongguan guangdong Province,  
Country: P.R.China

Additional information: ./.

### **1.6 Test standards**

Technical standard : FCC RULES PART 15 SUBPART C § 15.249 (2015-10)

**Note:** The mouse will be sold in different colors in the future.



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**2 Technical test**

**2.1 Summary of test results**

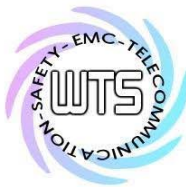
No deviations from the technical specification(s) were ascertained in the course of the tests performed.

**or**

The deviations as specified in 2.5 were ascertained in the course of the tests performed.

**2.2 Test environment**

Temperature:	23 °C
Relative humidity content:	20 ... 75 %
Air pressure:	86 ... 103 kPa
Details Power supply:	Battery 1.5Vd.c.
Extreme conditions parameters:	./.



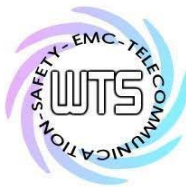
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## 2.3 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2016/5/20	2017/5/19
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 008	HF-EICHLLEITUNG 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	2016/7/15	2017/7/14
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2016/9/12	2017/9/11
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2016/8/26	2017/8/25
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2016/5/20	2017/5/19
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2016/5/25	2017/5/24
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2016/7/4	2017/7/3
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	2016/6/24	2017/6/23
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2016/6/29	2017/6/28
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	2017/2/7	2018/2/6
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2017/3/20	2018/3/19
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2017/4/6	2018/4/5
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2017/3/1	2018/2/28
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2017/3/1	2018/2/28
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2017/3/1	2018/2/28
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2017/3/1	2018/2/28
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2017/3/1	2018/2/28
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2017/4/6	2018/4/5
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	2016/9/8	2017/9/7
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2016/9/20	2017/9/19
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2017/3/1	2018/2/28
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	2017/1/12	2018/1/11
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2016/5/23	2017/5/22
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2016/8/10	2017/8/9



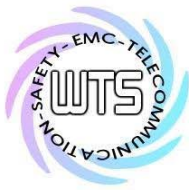
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ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2016/8/10	2017/8/9
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2017/3/1	2018/2/28
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2016/8/10	2017/8/9
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2016/8/10	2017/8/9
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2017/4/6	2018/4/5
ETSTW-RE 143	Humidity Temperature Meter	TES-1260	110104623	TES	2016/8/19	2017/8/18
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2017/3/22	2018/3/21
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2016/5/4	2017/5/3
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2017/2/24	2018/2/23
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2017/2/10	2018/2/9
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2016/12/15	2017/12/14
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2017/1/12	2018/1/11
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2017/1/12	2018/1/11
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2017/1/12	2018/1/11
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2017/1/12	2018/1/11
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2016/9/14	2017/9/13
ETSTW-Cable 010	BNC Cable	RGS-142	None	THERMAX	2016/9/12	2017/9/11
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 012	BNC Cable	RGS-400	None	THERMAX	2016/9/12	2017/9/11
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2017/2/23	2018/2/22
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2017/2/23	2018/2/22
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2017/2/23	2018/2/22
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2017/2/23	2018/2/22
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2016/4/22	2017/4/21
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	2017/3/1	2018/2/28
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2016/5/13	2017/5/12
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2016/9/20	2017/9/19
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2016/9/20	2017/9/19
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2017/3/1	2018/2/28
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S Cable 10)	238092	HUBER+SUHNER	2017/4/6	2018/4/5
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2017/4/6	2018/4/5
ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325519	HUBER+SUHNER	2017/4/6	2018/4/5
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2017/2/20	2018/2/19
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2016/4/13	2017/4/12
ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2016/9/12	2017/9/11



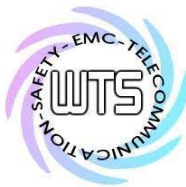


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ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM- NM-25000	170239	EMCI	2017/2/20	2018/2/19
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMCI	None	Farad	Version ETS-03A1	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	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.

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

Example:

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

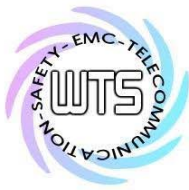
**ANSI STANDARD C63.10-2013 6.2.2 MEASUREMENT PROCEDURES:** The EUT was placed on a table 80 cm height and with dimensions of 1m by 1.5m (non metallic table). The EUT was placed in the centre of the table. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to 10<sup>th</sup> harmonic of the fundamental.

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

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

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

**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.

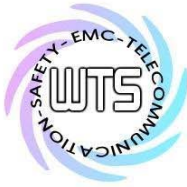


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**3 Test results (enclosure)**

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

The following is intentionally left blank.



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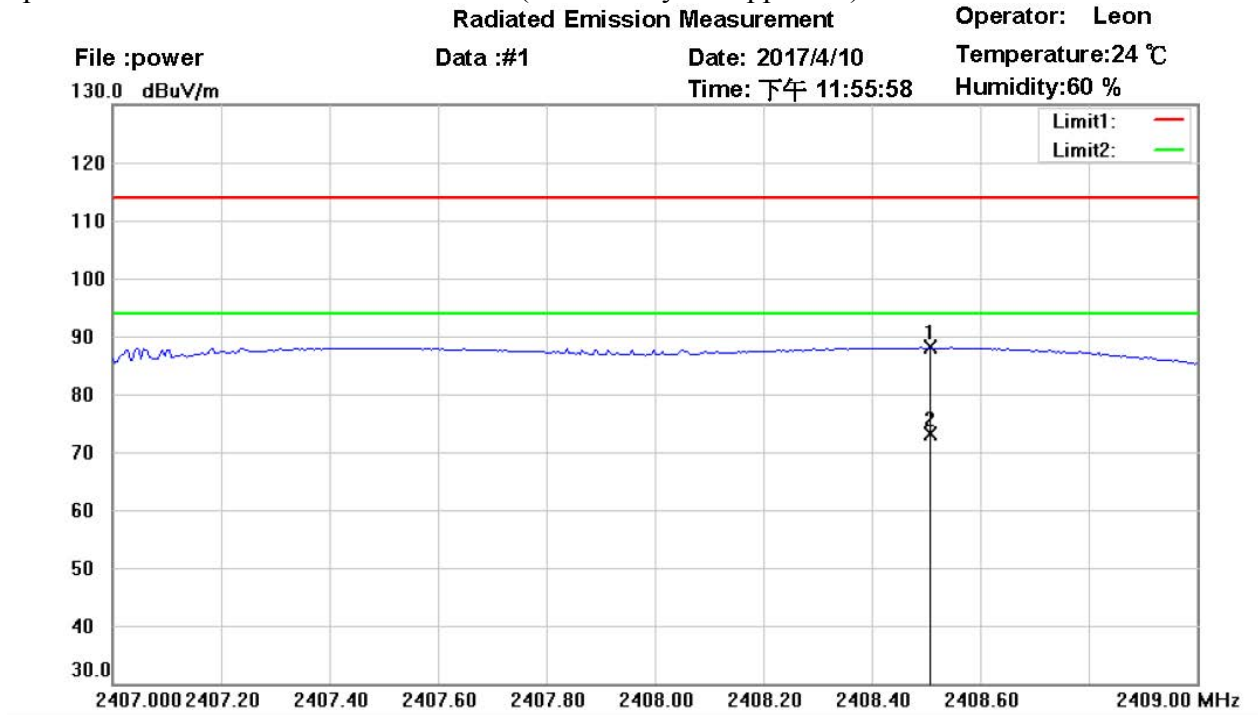
Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

## 3.1 Peak Output Power (transmitter)

FCC Rule: 15.249 (b)

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

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



Site : Chamber

Condition : FCC 15.249 power\_PK

EUT : W6M21703-16771

M/N:

Test Mode : TX 2408MHz

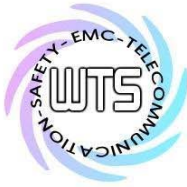
Note :

Polarization: *Horizontal*

Power : 1.5 Vd.c.

Distance: 3m

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
	2408.507	49.32	peak	38.75	88.07	114.00	150	48	-25.93	
*	2408.507	34.34	AVG	38.75	73.09	94.00	150	48	-20.91	



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

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

### Radiated Emission Measurement

Operator: Leon

File :power

Data :#2

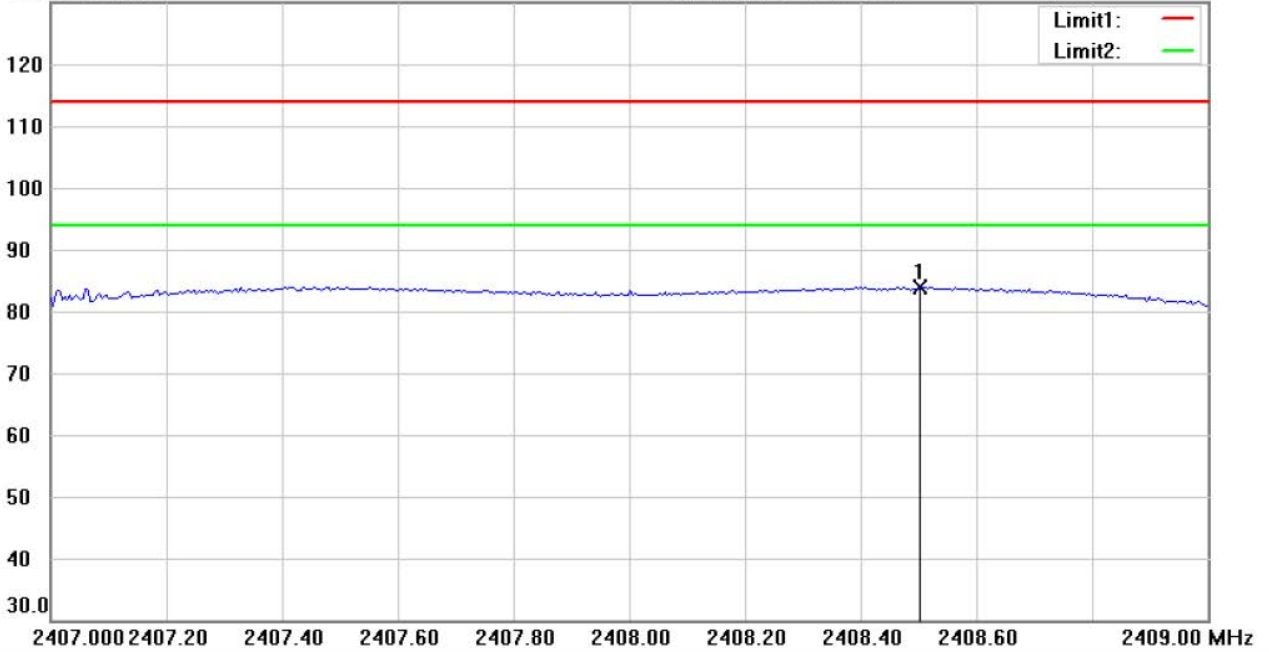
Date: 2017/4/11

Temperature:24 °C

130.0 dBuV/m

Time: 上午 12:01:03

Humidity:60 %



Site : Chamber

Condition : FCC 15.249 power\_PK

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
*	2408.503	45.15	peak	38.75	83.90	114.00	150	249	-30.10	



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

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

## Radiated Emission Measurement

Operator: Leon

File :power  
 130.0 dBuV/m

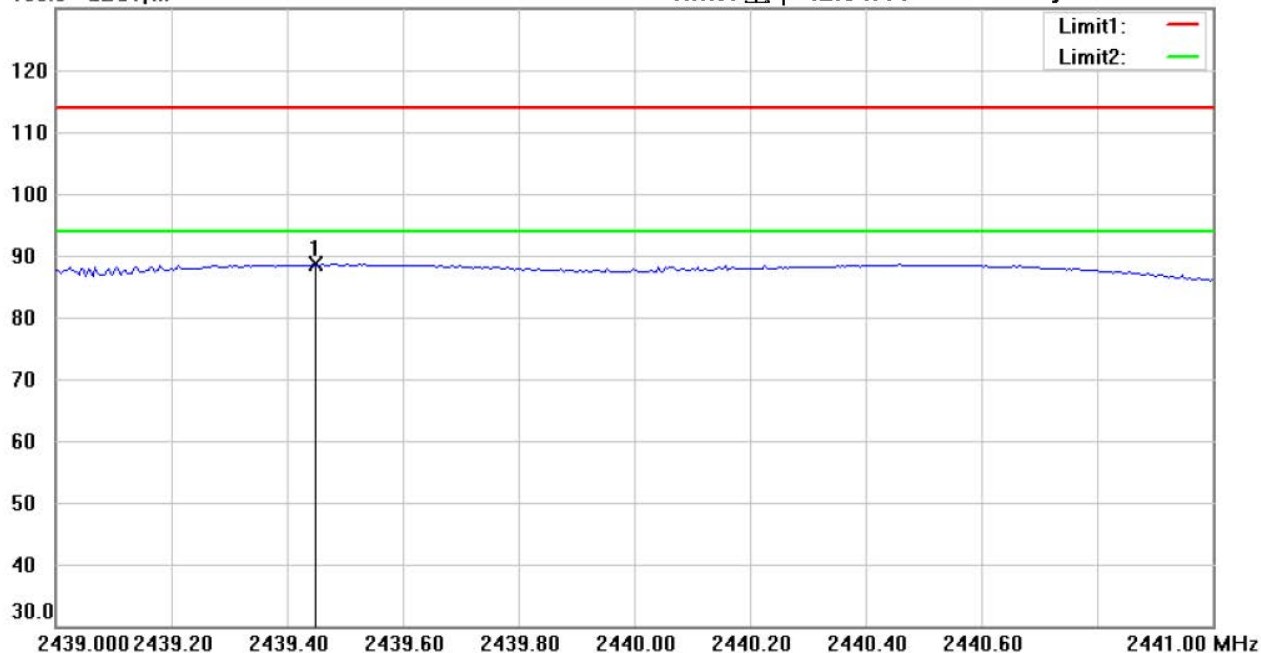
Data :#1

Date: 2017/4/11

Temperature:24 °C

Time: 上午 12:31:11

Humidity:60 %



Site : Chamber

Condition : FCC 15.249 power\_PK

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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
*	2439.445	49.66	peak	38.88	88.54	114.00	150	127	-25.46	



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

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

### Radiated Emission Measurement

Operator: Leon

File :power

Data :#2

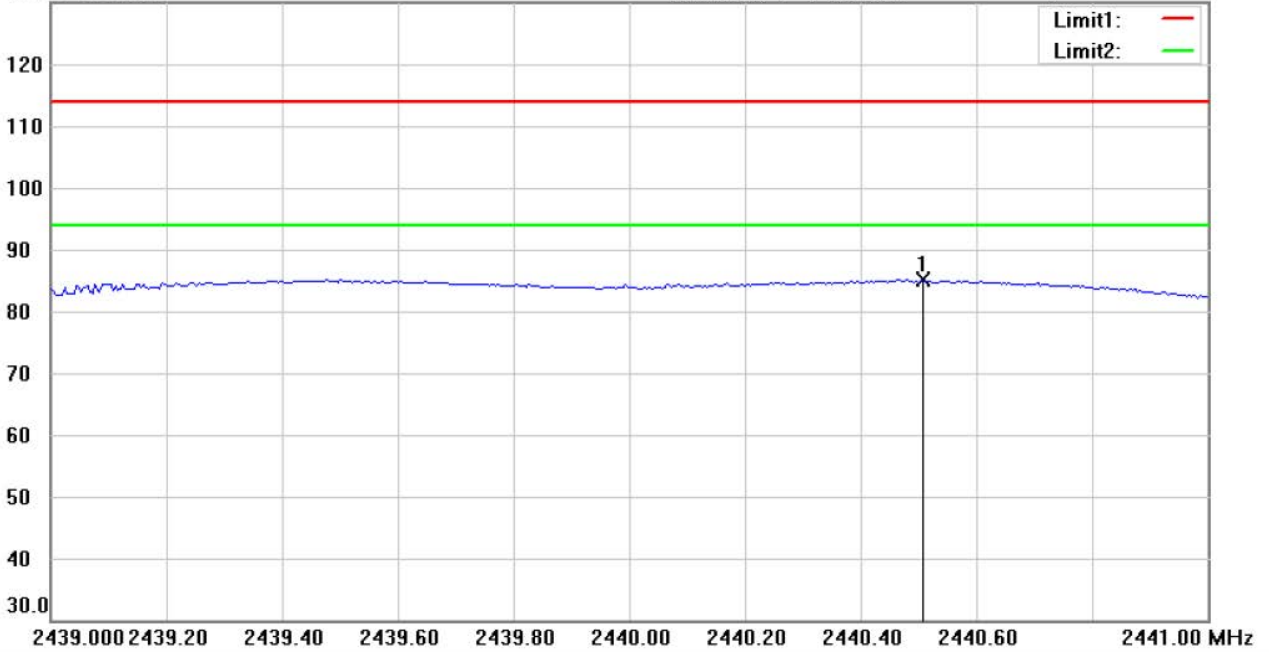
Date: 2017/4/11

Temperature:24 °C

130.0 dBuV/m

Time: 上午 12:33:30

Humidity:60 %



Site : Chamber

Condition : FCC 15.249 power\_PK

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

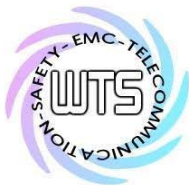
Distance: 3m

Test Mode : TX 2440MHz

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
*	2440.507	46.28	peak	38.88	85.16	114.00	153	250	-28.84	





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

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

## Radiated Emission Measurement

Operator: Leon

File :power

Data :#1

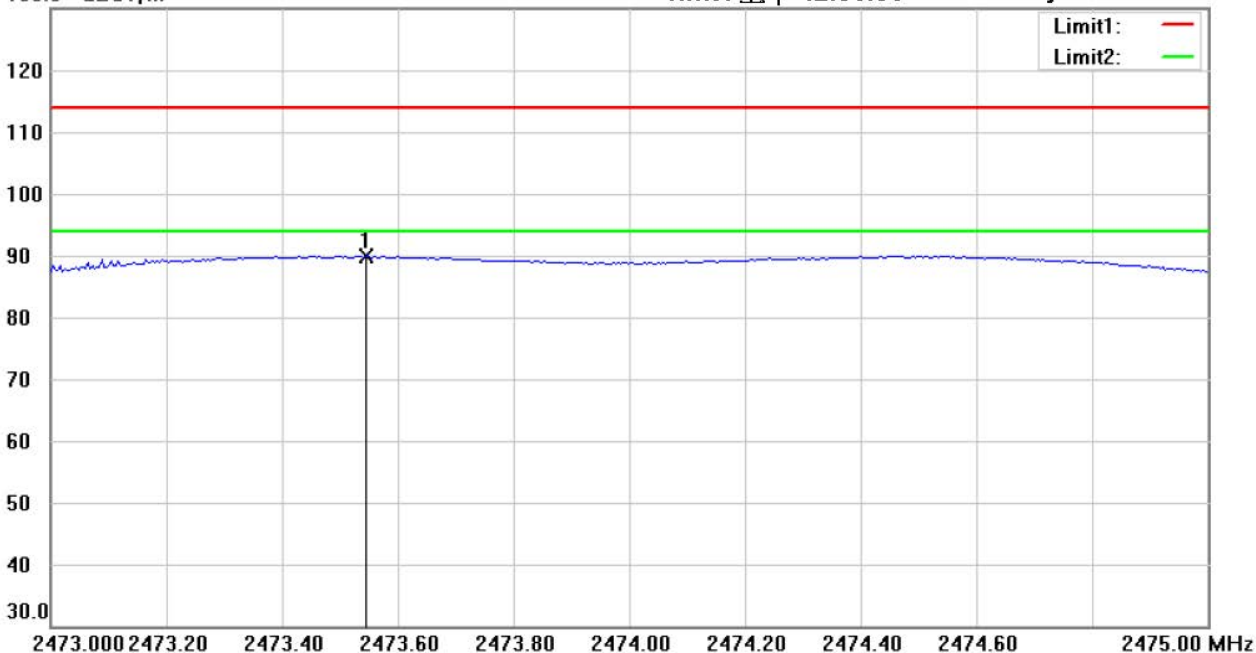
Date: 2017/4/11

Temperature:24 °C

130.0 dBuV/m

Time: 上午 12:36:50

Humidity:60 %



Site : Chamber

Condition : FCC 15.249 power\_PK

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

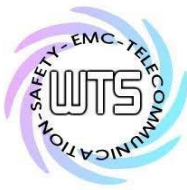
Distance: 3m

Test Mode : TX 2474MHz

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
*	2473.545	50.93	peak	39.01	89.94	114.00	153	90	-24.06	



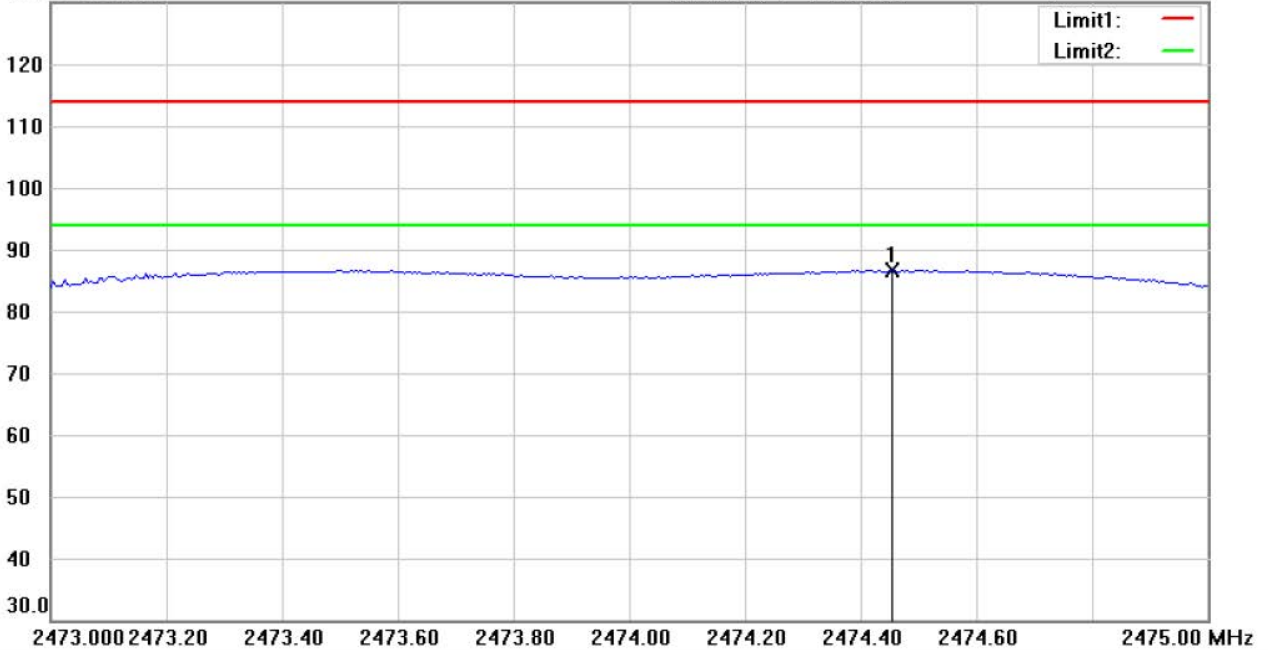


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

**Radiated Emission Measurement**      **Operator: Leon**

**File :power**      **Data :#2**      **Date: 2017/4/11**      **Temperature:24 °C**  
**130.0 dBuV/m**      **Time: 上午 12:41:42**      **Humidity:60 %**



**Site :** Chamber  
**Condition :** FCC 15.249 power\_PK      **Polarization:** *Vertical*  
**EUT :** W6M21703-16771      **Power :** 1.5 Vd.c.  
**M/N:**      **Distance:** 3m  
**Test Mode :** TX 2474MHz  
**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
*	2474.451	47.67	peak	39.02	86.69	114.00	150	250	-27.31	

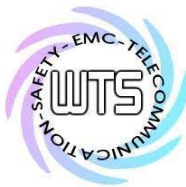
Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147

### 3.2 Equivalent isotropic radiated power

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

### 3.3 RF Exposure Compliance Requirements

Not applicable for this EUT for the low power level.



Registration number: W6M21703-16771-C-9

FCC ID: NIYMWP365

**3.4 Out of Band Radiated Emissions**

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

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

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

Limits:

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

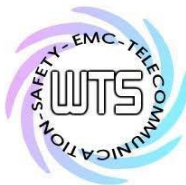
For frequencies above 1 GHz (Peak measurements).

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

Or

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

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



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

Registration number: W6M21703-16771-C-9

FCC ID: NIYMWP365

## 3.5 Spurious emission (tx)

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

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

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

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

The peak and average spurious emission plots was measured with the average limits. The critical peak value listed in the table agree with the above calculated limits.

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

Model: MWP365 Date: --  
 Mode: -- Temperature: -- °C Engineer: --  
 Polarization: -- Humidity: -- %

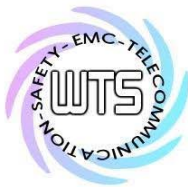
Frequency (MHz)	Reading (dBUV)	Detector	Factor (dB)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Frequency (MHz)	Reading (dBUV)		Factor (dB) Corr.	Result @3m (dBUV/m)		Limit @3m (dBUV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		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 = ± 3.30 dB, 1-18 GHz = ± 2.28dB, 18-40 GHz = ± 2.19 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.

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

Test equipment used: ETSTW-RE 004, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 030, ETSTW-RE 088, ETSTW-RE 018



Registration number: W6M21703-16771-C-9

FCC ID: NIYMWP365

**3.6 Radiated Emissions from Receiver Part**

FCC Rule: 15.109

Model: MWP365 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) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

- Correction Factor = Antenna factor + Cable loss - Preamplifier**
- The formula of measured value as: Test Result = Reading + Correction Factor**
- Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
- All not in the table noted test results are more than 20 dB below the relevant limits.**
- Measurement uncertainty for 3m measurement : 30-1000 MHz = ± 3.30 dB, 1-18 GHz = ±2.28 dB, 18-40 GHz= ±2.19 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.**

Test equipment used: ETSTW-RE 004, ETSTW-RE 111, ETSTW-RE 030, ETSTW-RE 044

Explanation: The test results are listed in the separated test report no.: W6M21703-16771-P-15B.

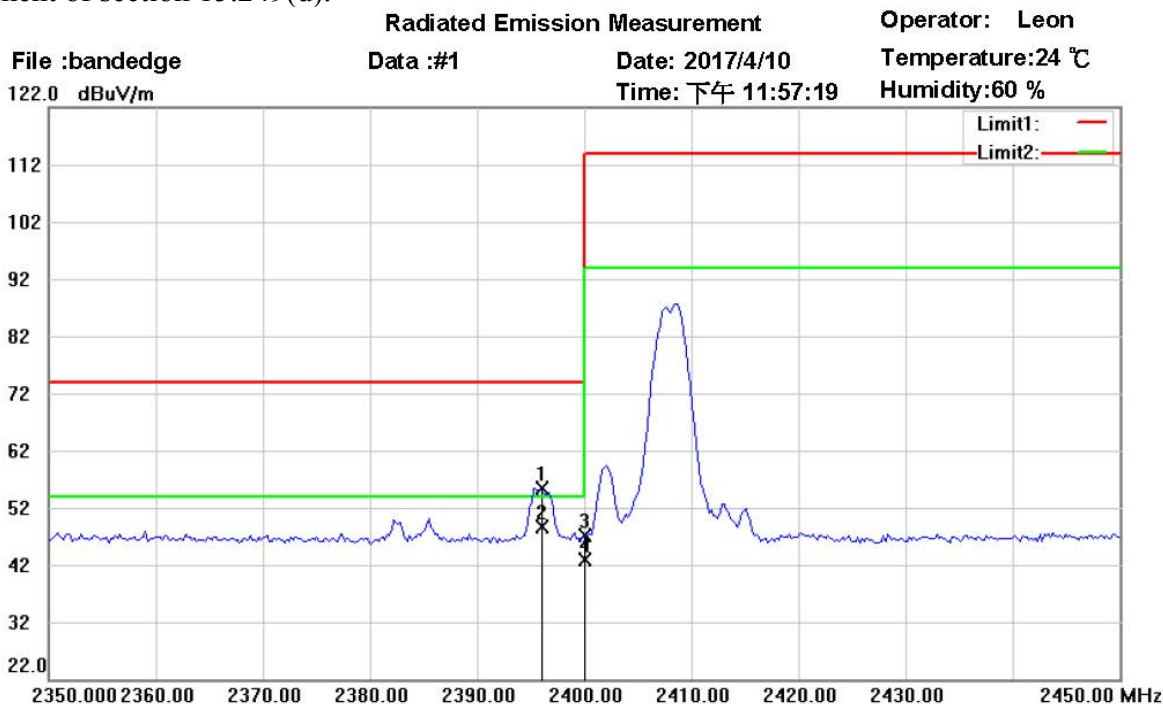


Registration number: W6M21703-16771-C-9

FCC ID: NIYMWP365

### 3.7 Radiated Emission on the band edge

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



Site : Chamber

Condition : FCC 15.249 PK (Bandedge)

EUT : W6M21703-16771

M/N:

Test Mode : TX 2408MHz

Note :

Polarization: *Horizontal*

Power : 1.5 Vd.c.

Distance: 3m

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
	2396.092	16.61	peak	38.72	55.33	74.00	150	48	-18.67	
*	2396.092	9.91	AVG	38.72	48.63	54.00	150	48	-5.37	
	2400.000	8.30	peak	38.72	47.02	74.00	150	48	-26.98	
	2400.000	4.25	AVG	38.72	42.97	54.00	150	48	-11.03	

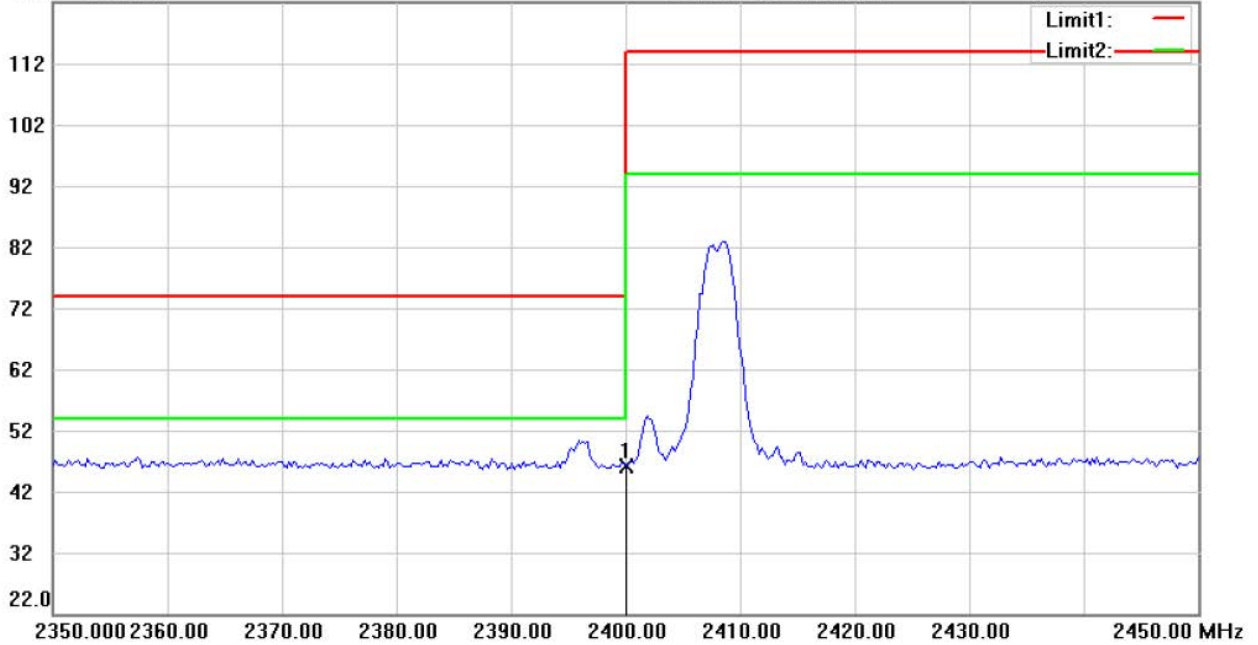


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

**Radiated Emission Measurement**

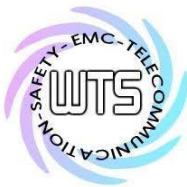
File :bandedge      Data :#2      Date: 2017/4/11      Operator: Leon  
 122.0 dBuV/m      Time: 上午 12:02:00      Temperature:24 °C  
 Humidity:60 %



Site : Chamber  
 Condition : FCC 15.249 PK (Bandedge)      Polarization: *Vertical*  
 EUT : W6M21703-16771      Power : 1.5 Vd.c.  
 M/N:      Distance: 3m  
 Test Mode : TX 2408MHz  
 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
*	2400.000	7.49	peak	38.72	46.21	74.00	150	249	-27.79	



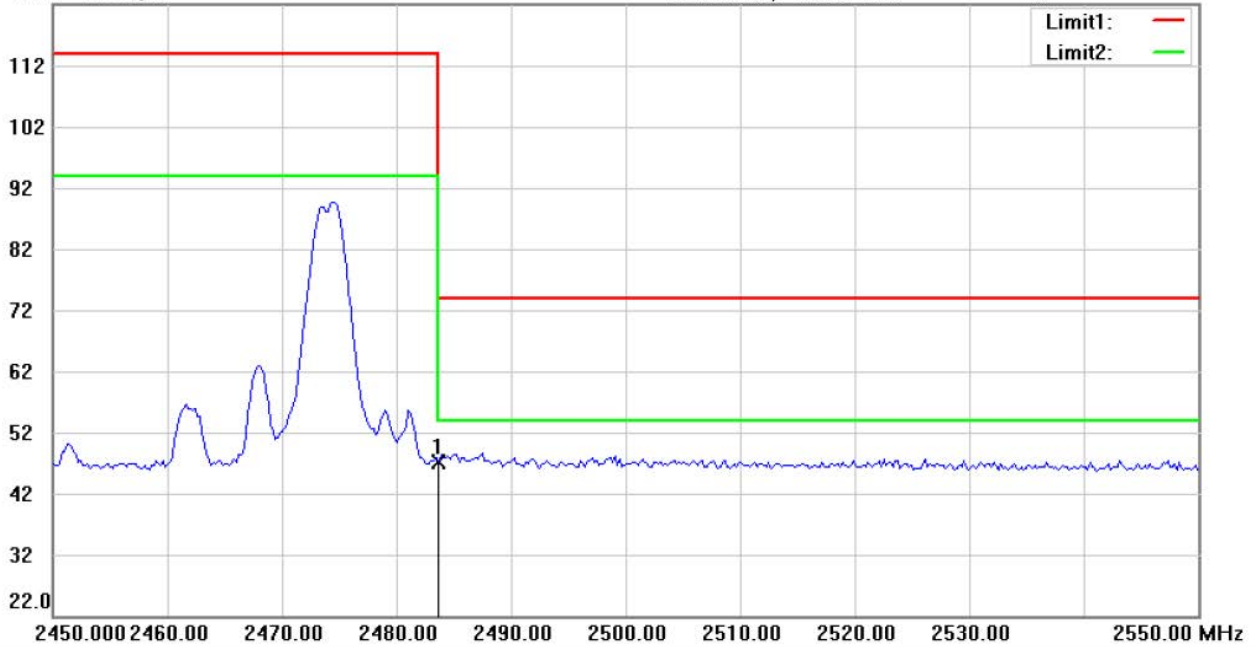


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

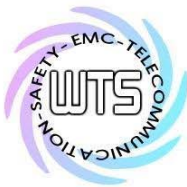
**Radiated Emission Measurement**

File :bandedge      Data :#1      Date: 2017/4/11      Operator: Leon  
 122.0 dBuV/m      Time: 上午 12:37:31      Temperature:24 °C  
    Humidity:60 %



Site : Chamber  
 Condition : FCC 15.249 PK (Bandedge)      Polarization: *Horizontal*  
 EUT : W6M21703-16771      Power : 1.5 Vd.c.  
 M/N:      Distance: 3m  
 Test Mode : TX 2474MHz  
 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
*	2483.500	7.98	peak	39.05	47.03	74.00	153	90	-26.97	

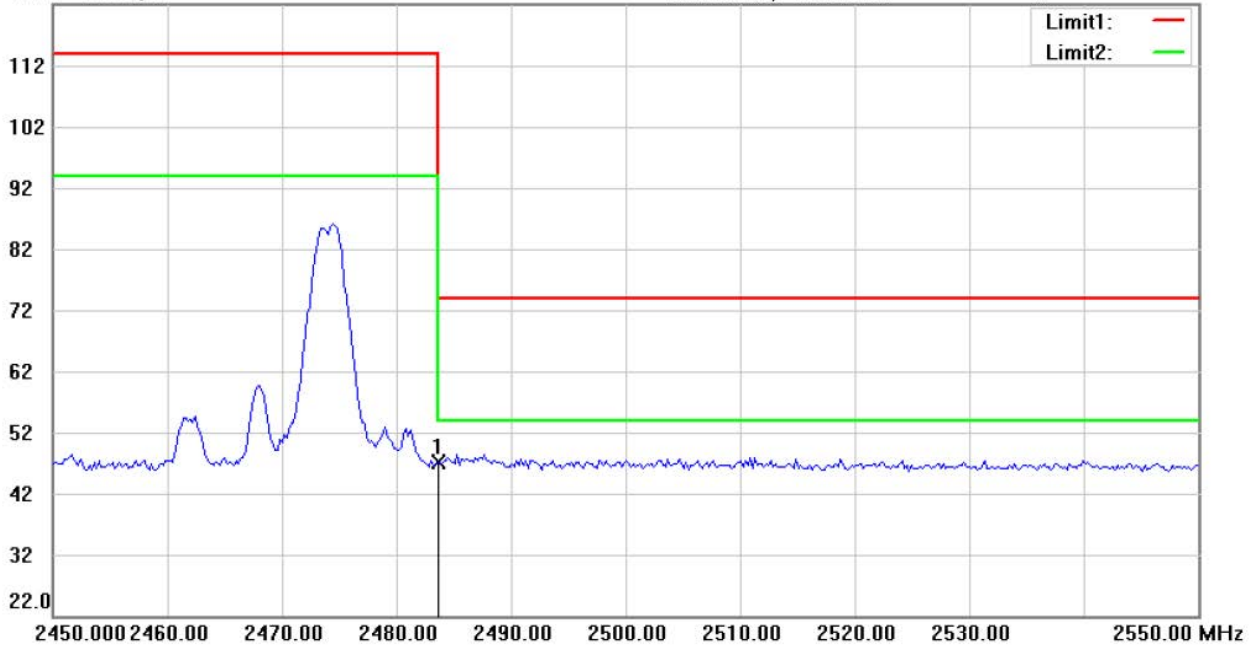


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21703-16771-C-9  
 FCC ID: NIYMWP365

**Radiated Emission Measurement**

File :bandedge      Data :#2      Date: 2017/4/11      Operator: Leon  
 122.0 dBuV/m      Time: 上午 12:42:37      Temperature:24 °C  
 Humidity:60 %



Site : Chamber  
 Condition : FCC 15.249 PK (Bandedge)      Polarization: *Vertical*  
 EUT : W6M21703-16771      Power : 1.5 Vd.c.  
 M/N:  
 Test Mode : TX 2474MHz      Distance: 3m  
 Note :

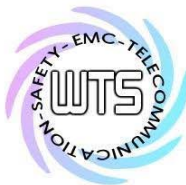
Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2483.500	8.08	peak	39.05	47.13	74.00	150	250	-26.87	

Limit:

Frequency Range (MHz)	Limit (dB $\mu$ V/m)	
	Peak	Average
902 – 928	114	94
2400 – 2483.5	74	54
5725 – 5875	74	54

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





Registration number: W6M21703-16771-C-9

FCC ID: NIYMWP365

### 3.8 Power Line Conducted Emission

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

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

Model:	MWP365	Date:	--			
Mode:	--	Temperature:	--	°C	Engineer:	--
Polarization:	--	Humidity:	--	%		

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

Polarization: --

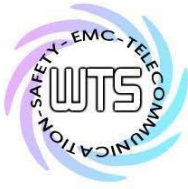
Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV)		Limit (dBuV)		Margin (dB)
	QP	Ave.		QP	Ave.	QP	Ave.	
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

- Note:**
1. The formula of measured value as: **Test Result = Reading + Correction Factor**
  2. **The Correction Factor = Cable Loss + LISN Insertion Loss**
  3. **Detector function in the form : PK = Peak, QP = Qusai Peak, AV = Average**
  4. **All not in the table noted test results are more than 20 dB below the relevant limits.**
  5. **Measurement uncertainty = ±0.74dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.**
  6. **Up Line: QP Limit Line, Down Line: Ave Limit Line.**
  7. **This test is not required because the EUT is battery-used.**

**Limits:**

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

Test equipment used: ETSTW-CE 001, ETSTW-CE 016, ETSTW-CE 028



Registration number: W6M21703-16771-C-9  
FCC ID: NIYMWP365

## **Appendix**

### **Measurement diagrams**

Spurious Emissions radiated



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

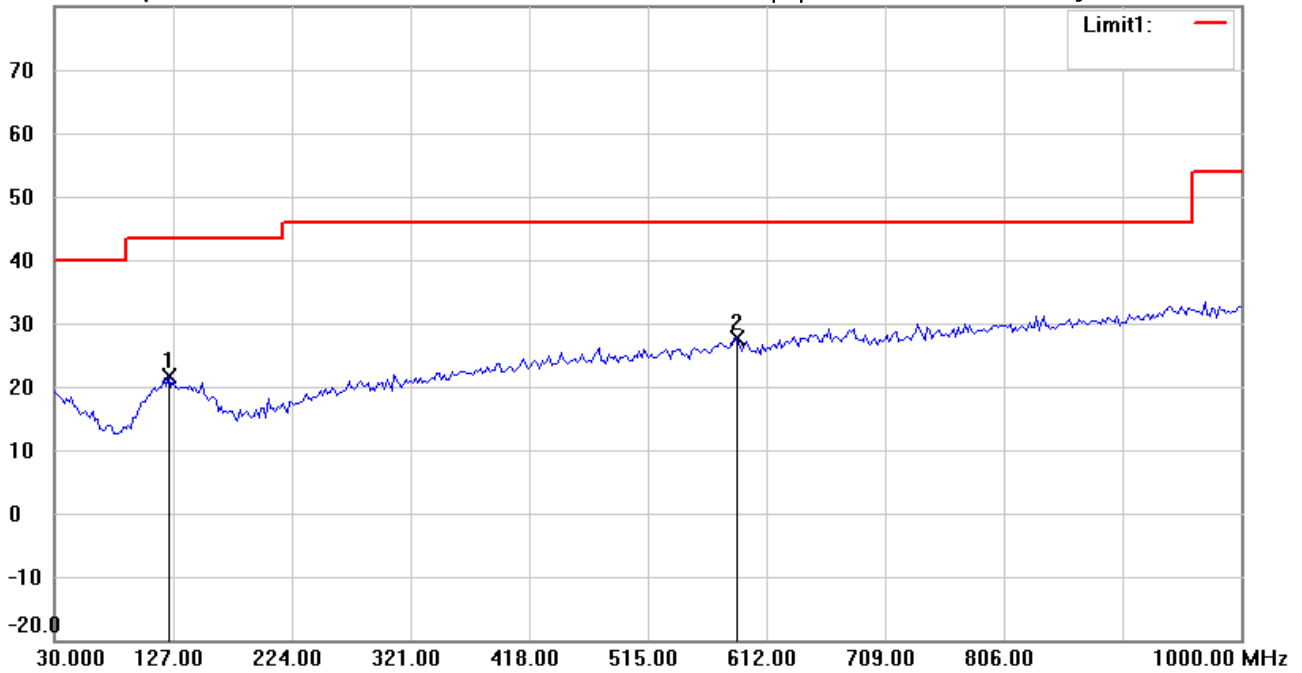
Date: 2017/4/10

Temperature:24 °C

80.0 dBuV/m

Time: 下午 08:50:20

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
	123.3066	28.04	peak	-6.51	21.53	43.50	100	85	-21.97	
*	585.9520	29.33	peak	-1.58	27.75	46.00	100	210	-18.25	



Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

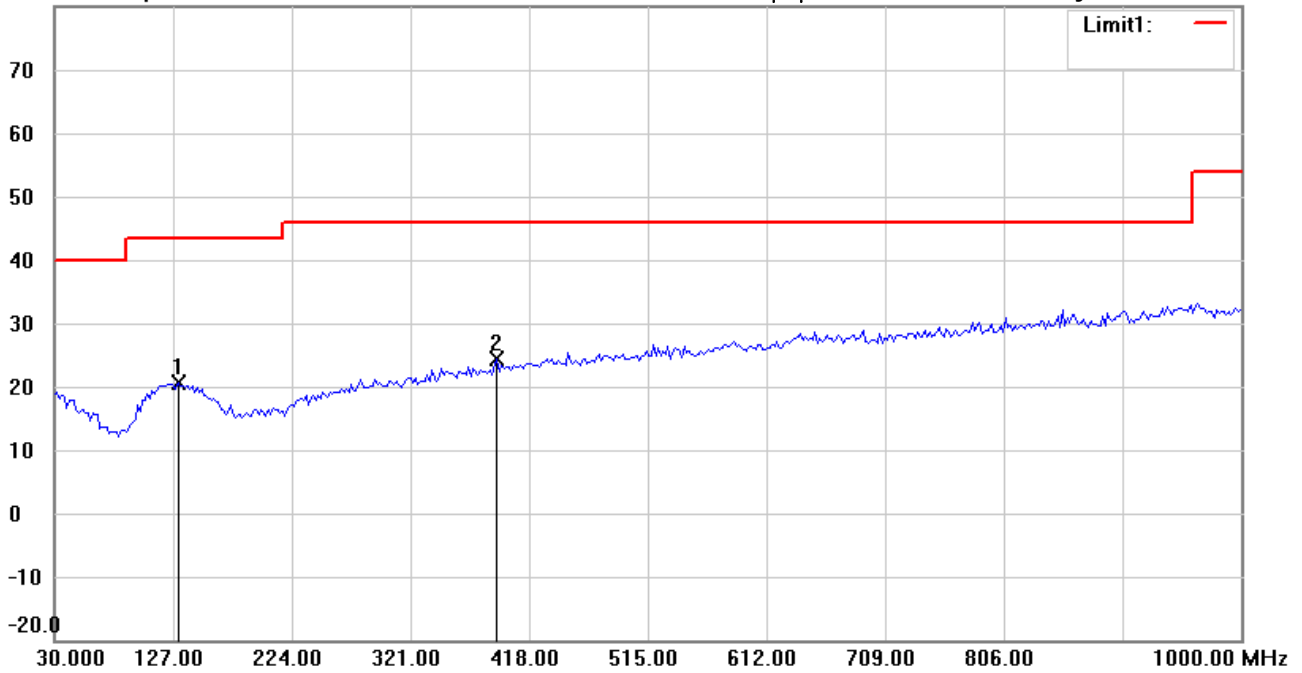
Date: 2017/4/10

Temperature:24 °C

80.0 dBuV/m

Time: 下午 08:51:14

Humidity:60 %



Site : Chamber

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

Polarization: **Vertical**

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
	131.0822	27.14	peak	-6.39	20.75	43.50	100	65	-22.75	
*	391.5631	28.00	peak	-3.68	24.32	46.00	100	170	-21.68	



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 Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

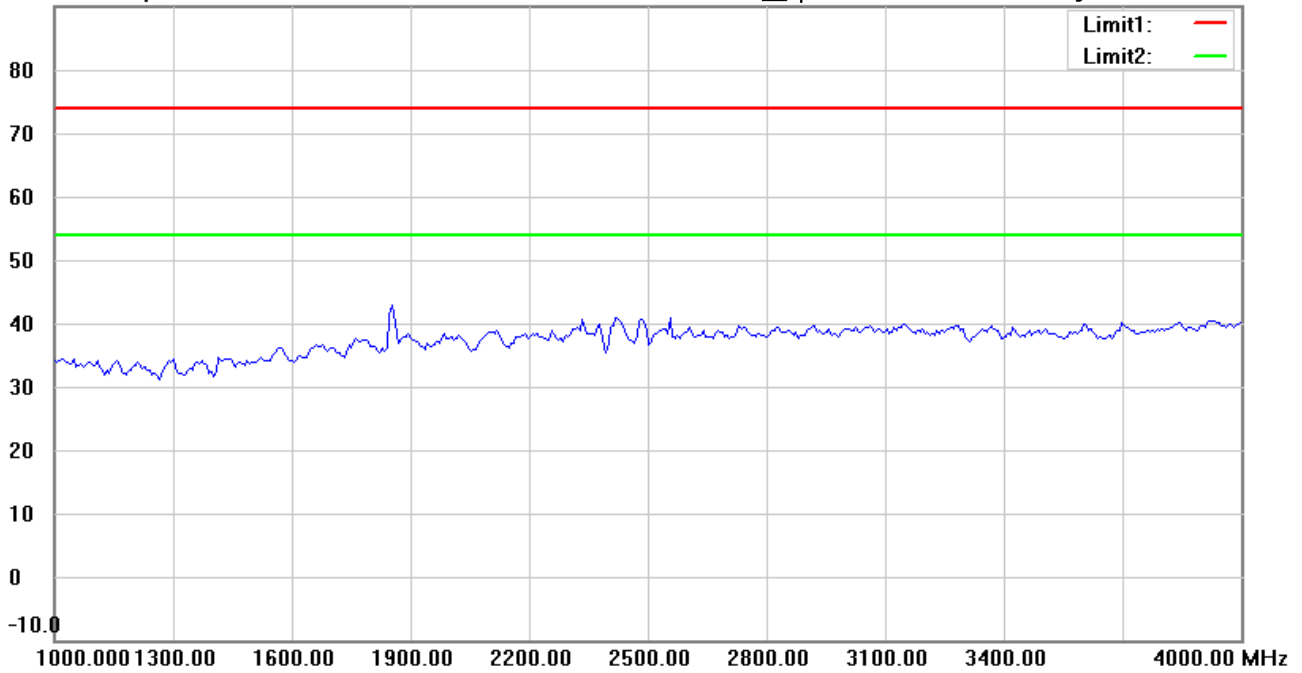
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:04:13

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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

Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

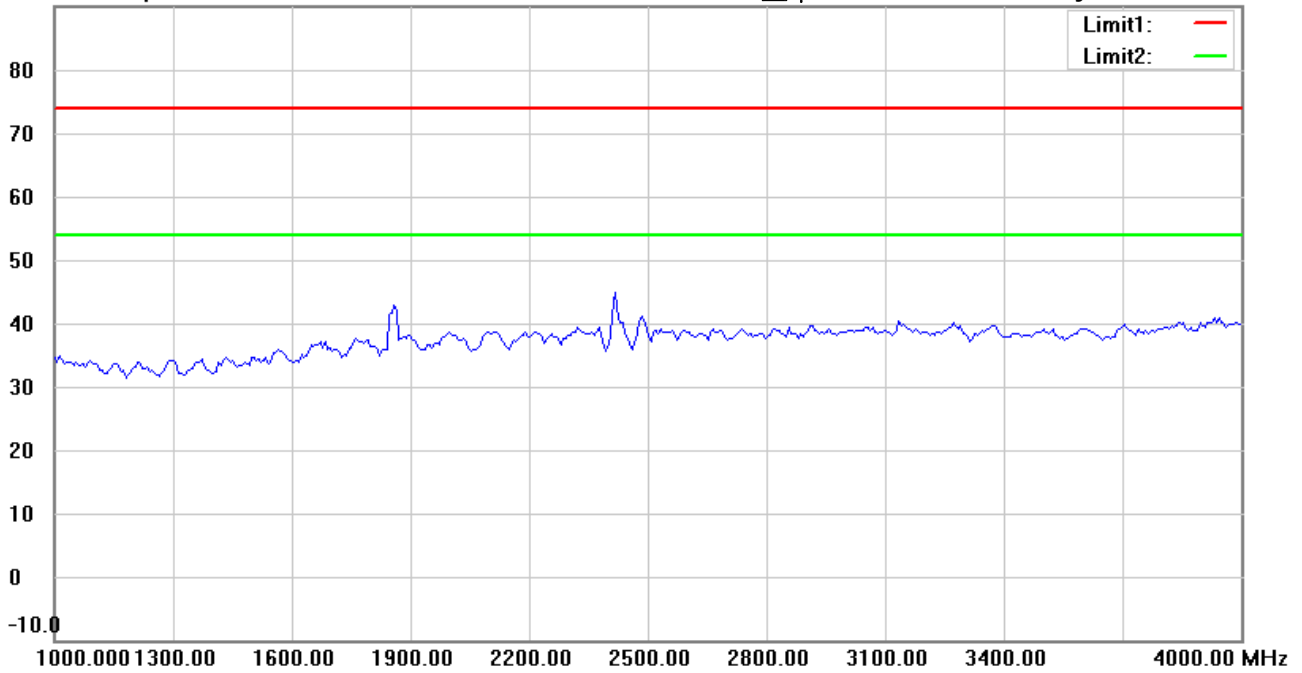
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:07:21

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

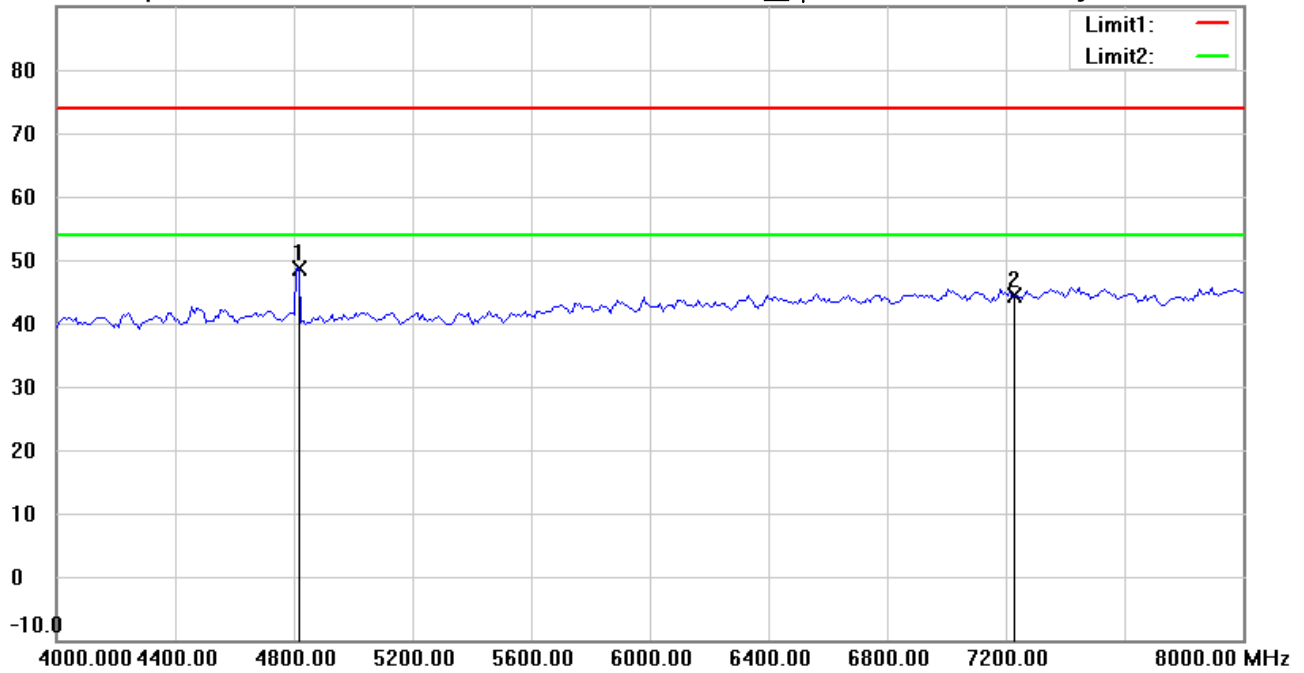
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:05:07

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
*	4817.635	48.90	peak	-0.33	48.57	74.00	150	235	-25.43	
	7224.000	39.78	peak	4.49	44.27	74.00	150	190	-29.73	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

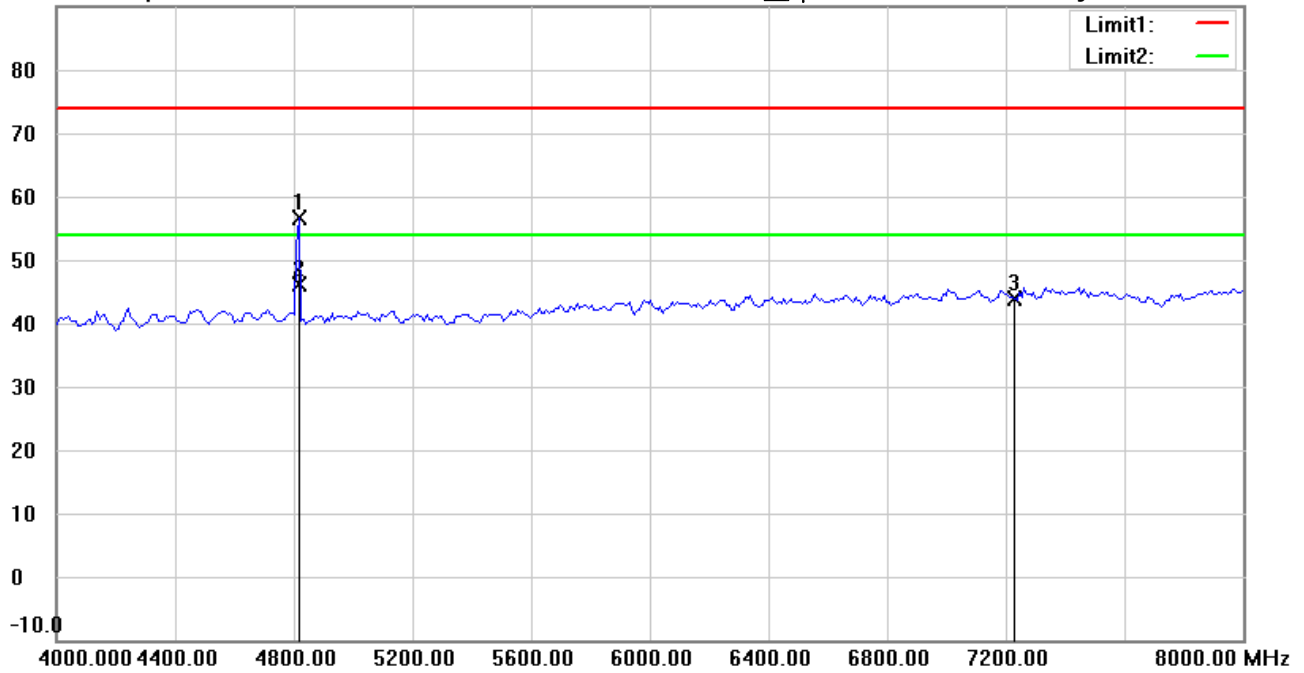
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:08:15

Humidity:60 %



Site : Chamber

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

Polarization: **Vertical**

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
	4816.874	56.96	peak	-0.33	56.63	74.00	150	207	-17.37	
*	4816.874	46.46	AVG	-0.33	46.13	54.00	150	207	-7.87	
	7224.000	39.48	peak	4.49	43.97	74.00	150	160	-30.03	





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Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

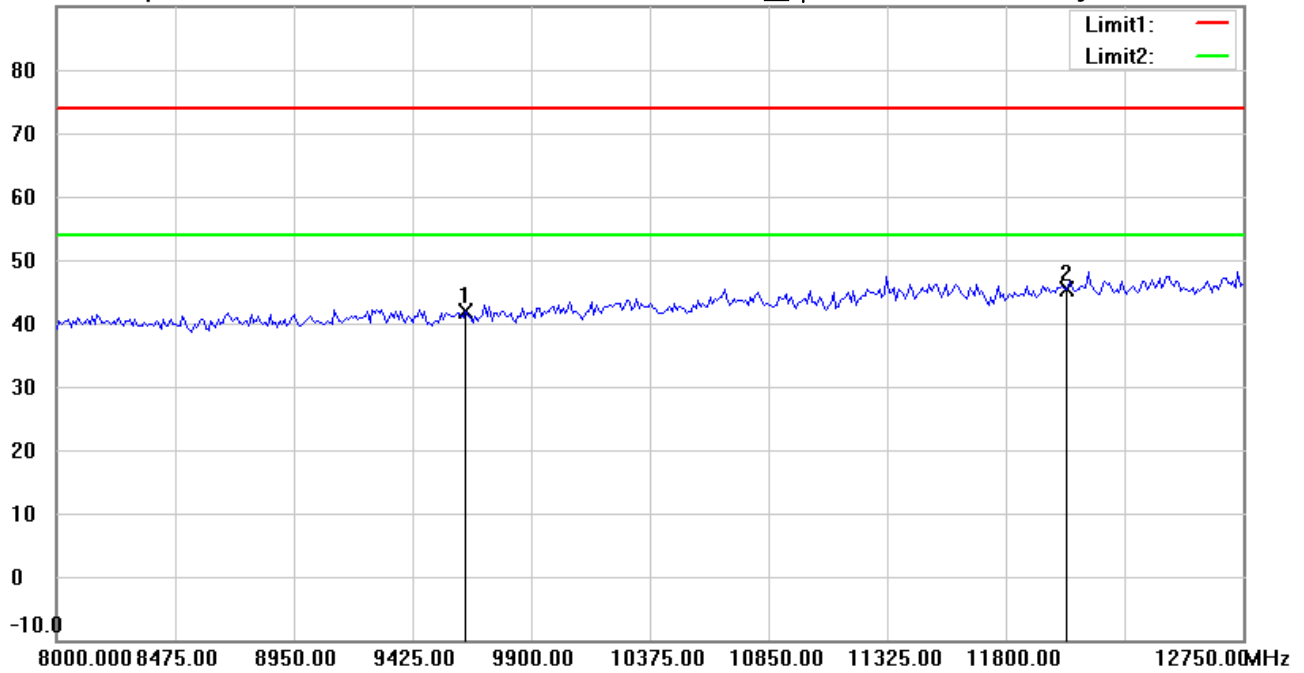
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:05:20

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
	9632.000	34.02	peak	7.74	41.76	74.00	150	195	-32.24	
*	12040.000	32.36	peak	12.91	45.27	74.00	150	240	-28.73	

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

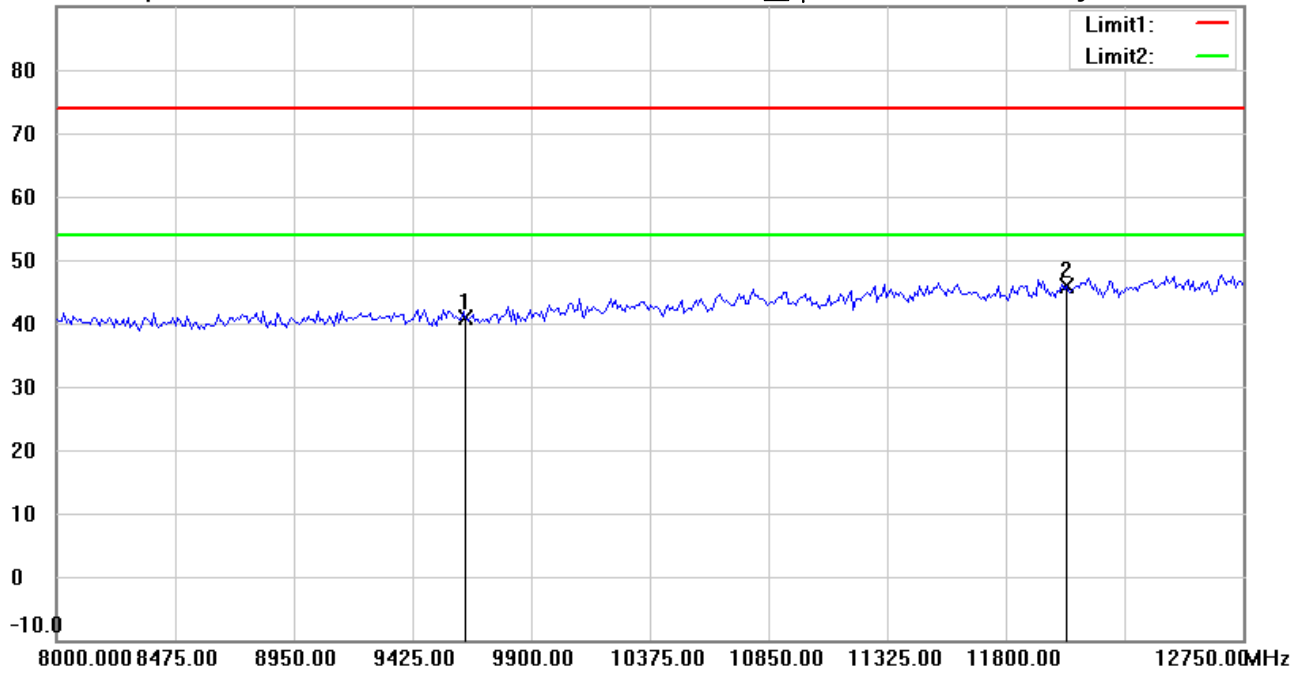
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:08:28

Humidity:60 %



Site : Chamber

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

Polarization: **Vertical**

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
	9632.000	33.05	peak	7.74	40.79	74.00	150	85	-33.21	
*	12040.000	32.90	peak	12.91	45.81	74.00	150	170	-28.19	



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

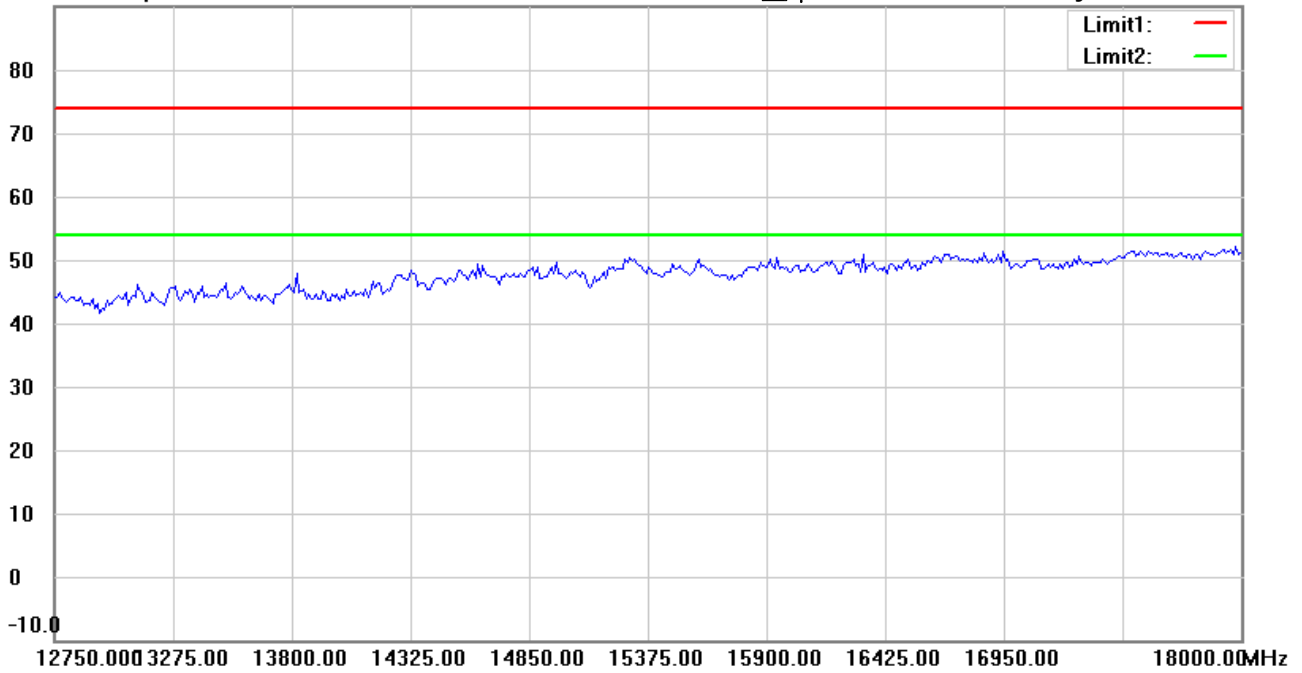
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:06:18

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#9

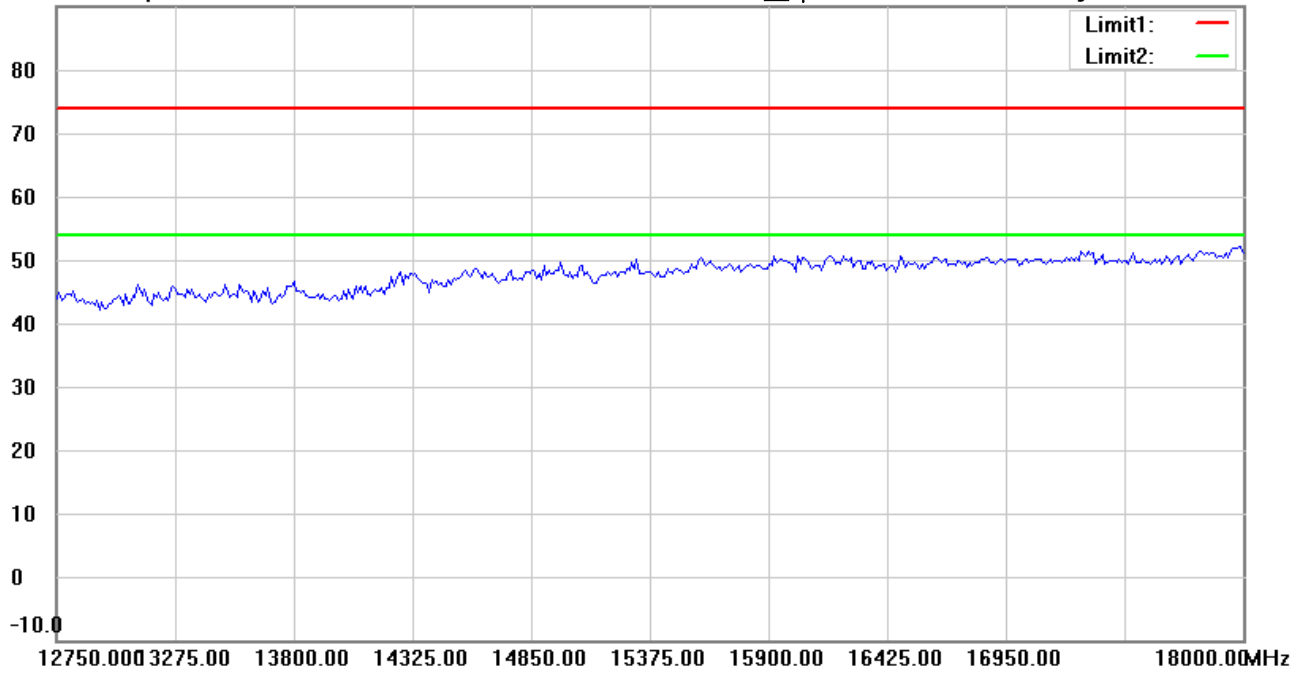
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:09:30

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

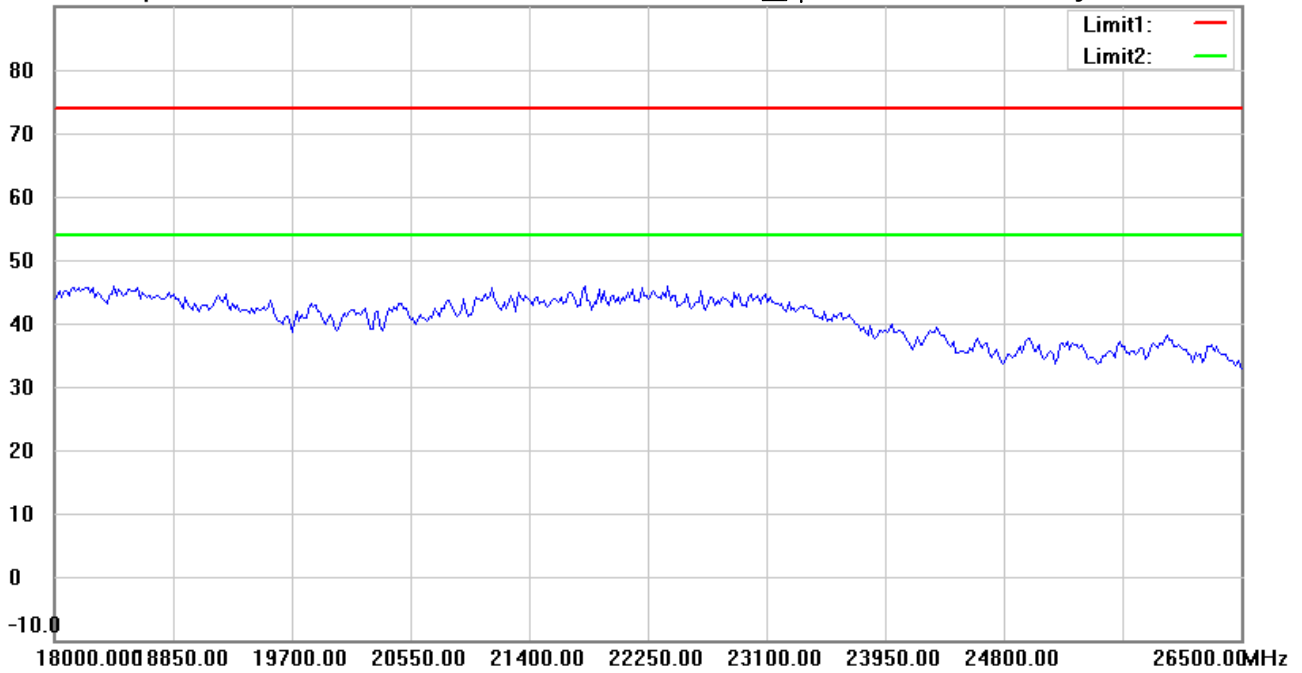
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:06:27

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

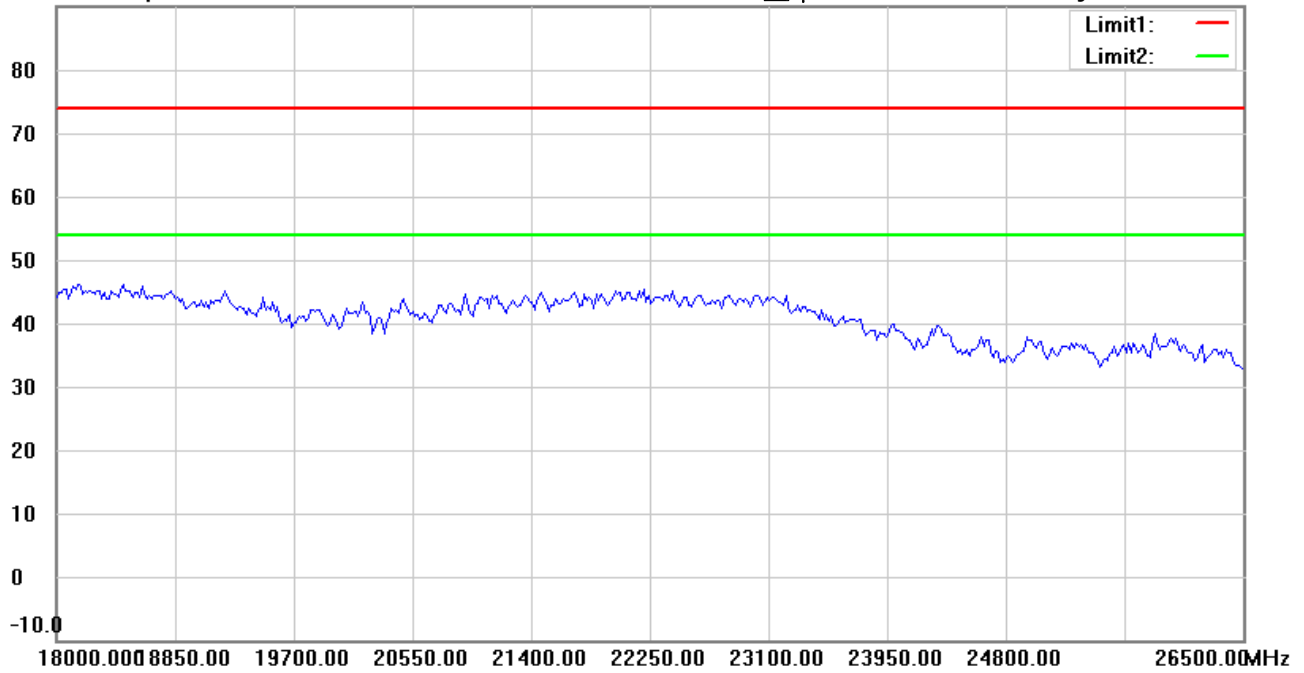
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:09:39

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2408MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

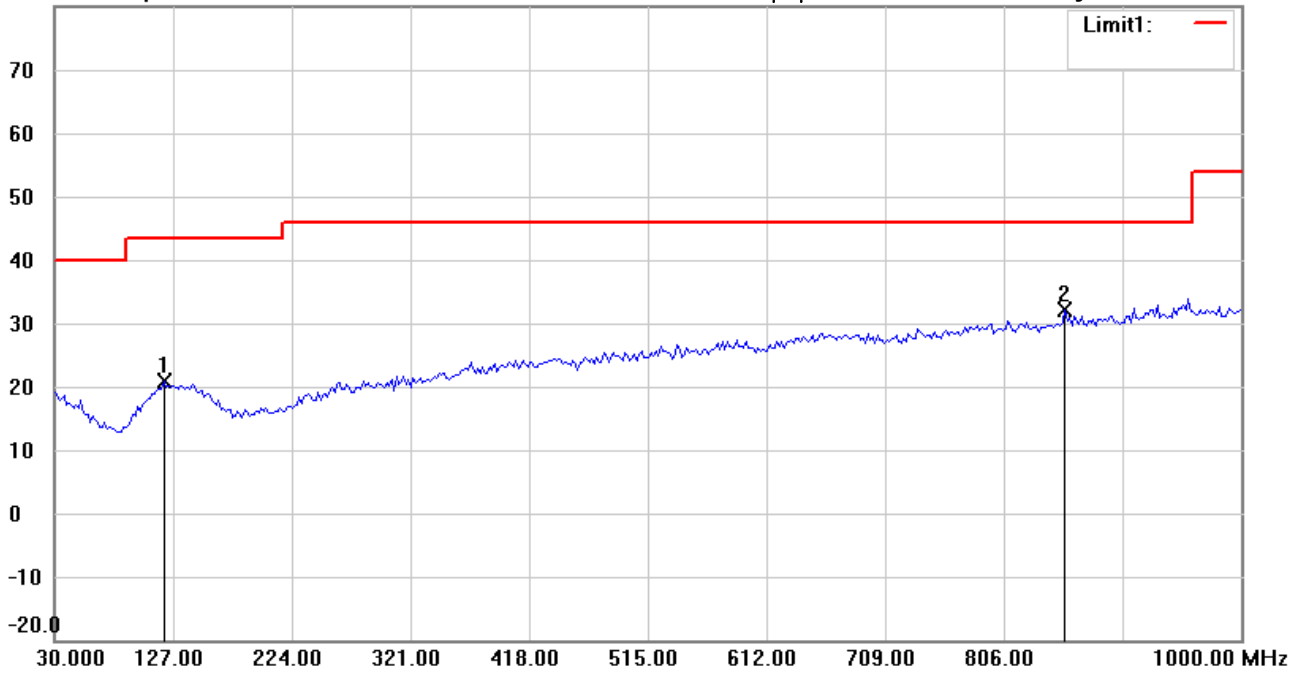
Date: 2017/4/10

Temperature:24 °C

80.0 dBuV/m

Time: 下午 08:47:26

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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
	119.4188	27.59	peak	-6.63	20.96	43.50	100	135	-22.54	
*	856.1522	29.12	peak	2.99	32.11	46.00	100	245	-13.89	



Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

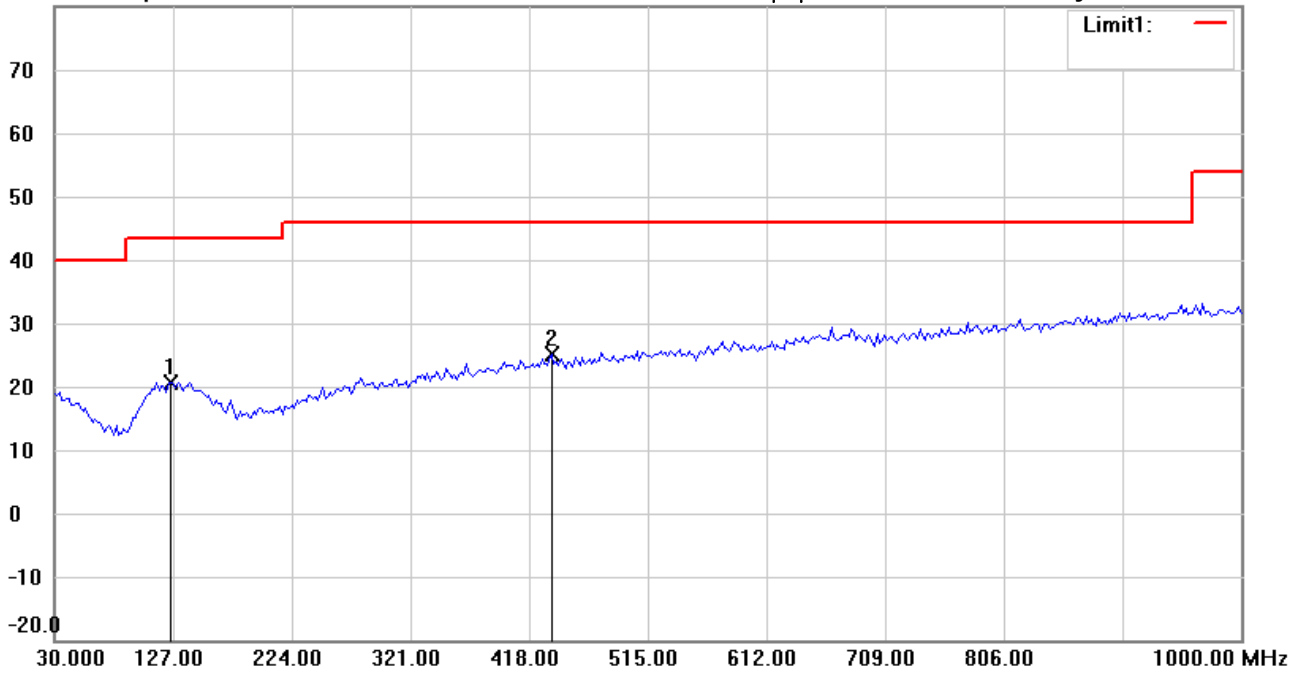
Date: 2017/4/10

Temperature:24 °C

80.0 dBuV/m

Time: 下午 08:48:19

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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
	125.2505	27.08	peak	-6.46	20.62	43.50	100	85	-22.88	
*	436.2725	28.15	peak	-3.11	25.04	46.00	100	160	-20.96	





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Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

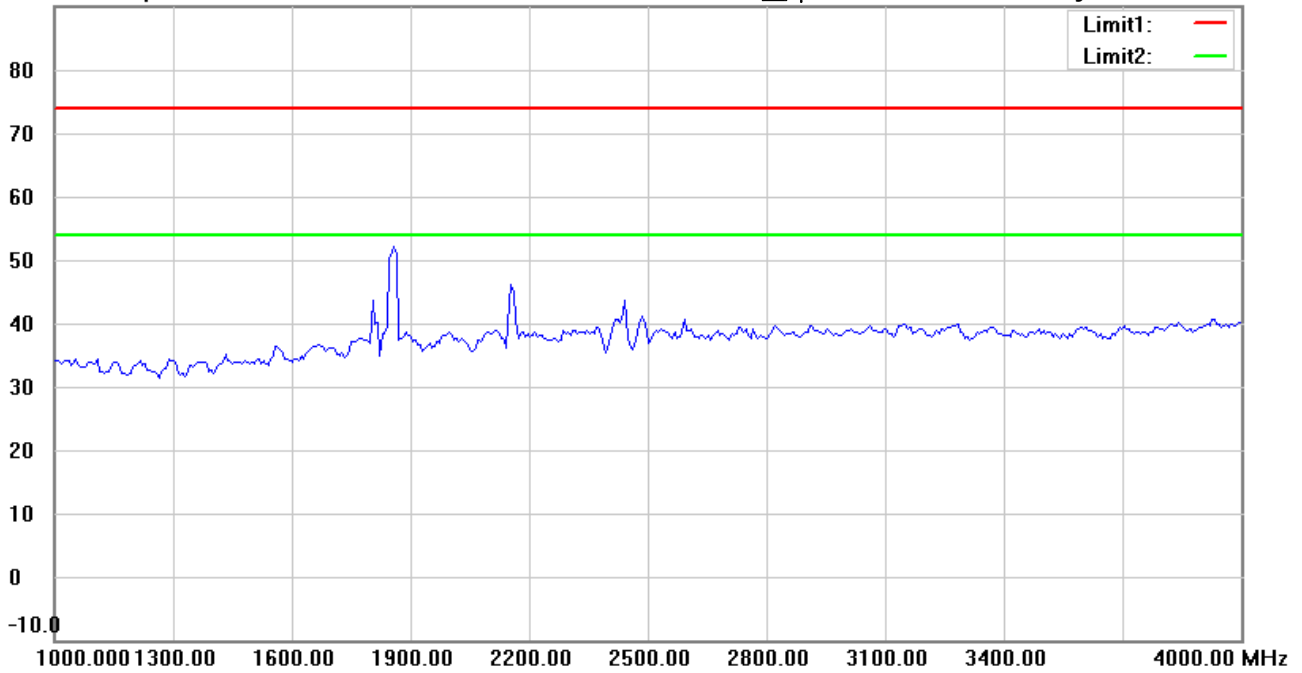
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:16:54

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

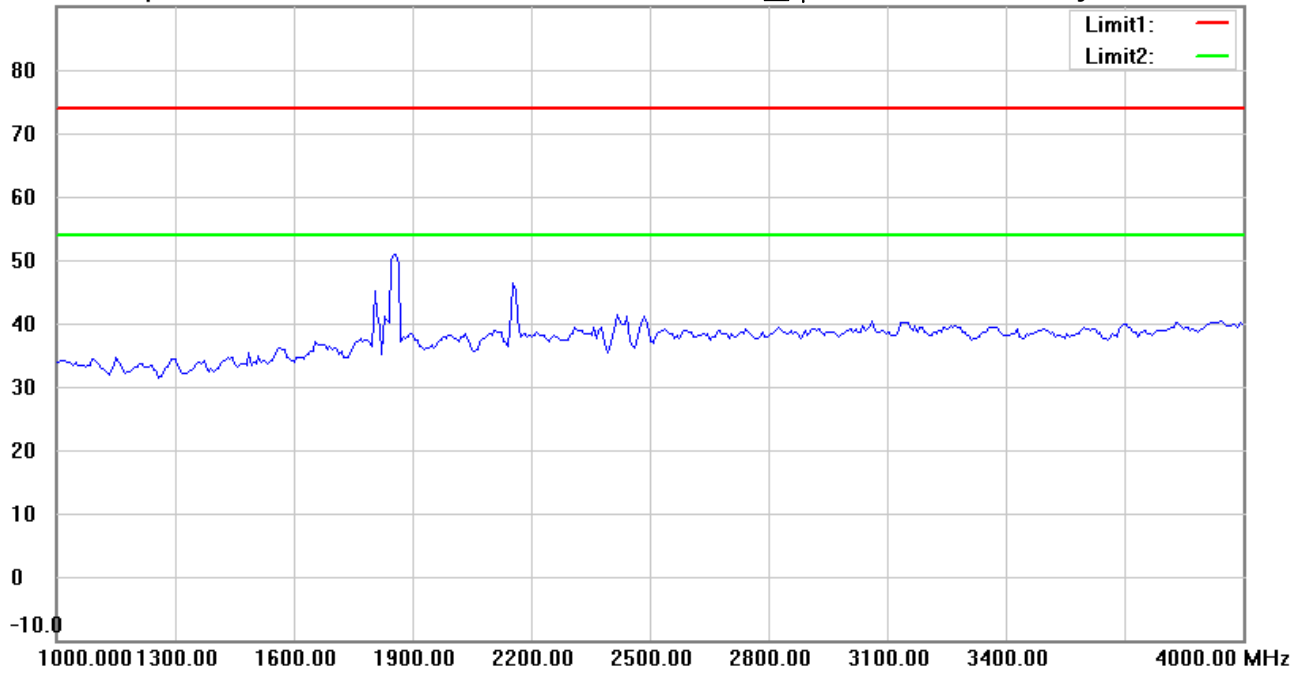
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:20:02

Humidity:60 %



Site : Chamber

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

EUT : W6M21703-16771

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 1.5 Vd.c.

Distance: 3m

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

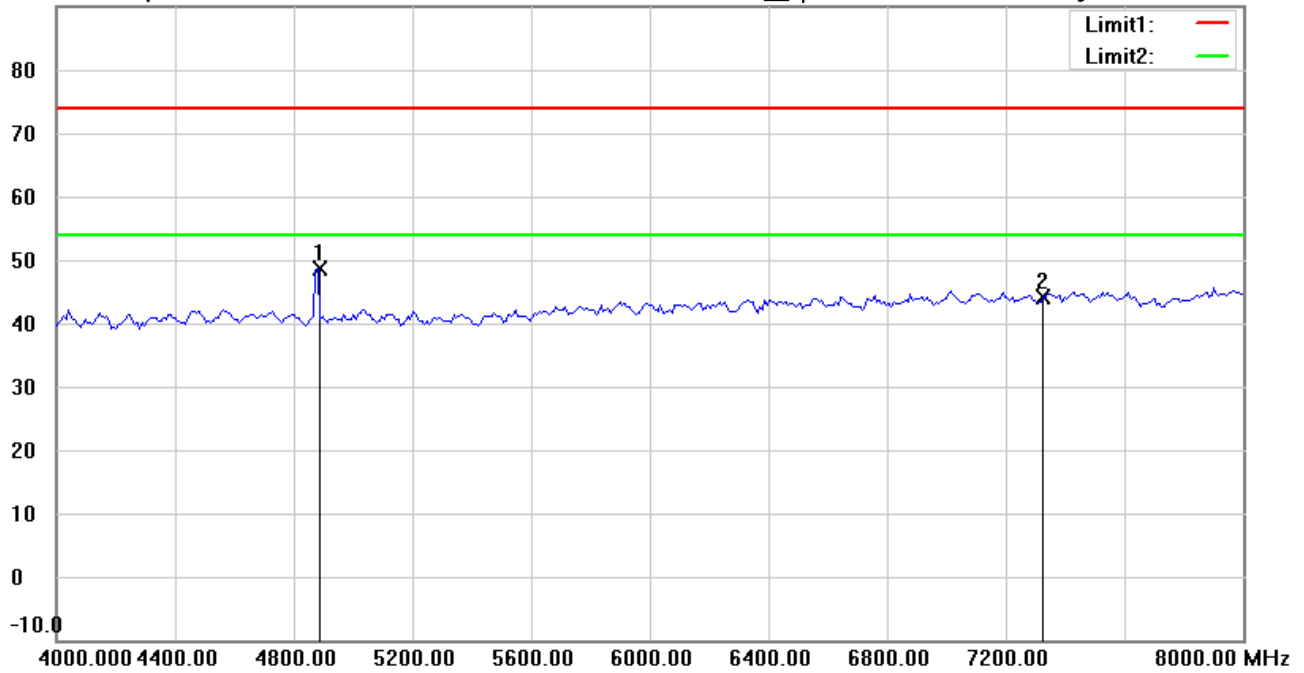
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:17:48

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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	48.84	peak	-0.29	48.55	74.00	150	195	-25.45	
	7320.000	39.39	peak	4.66	44.05	74.00	150	160	-29.95	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

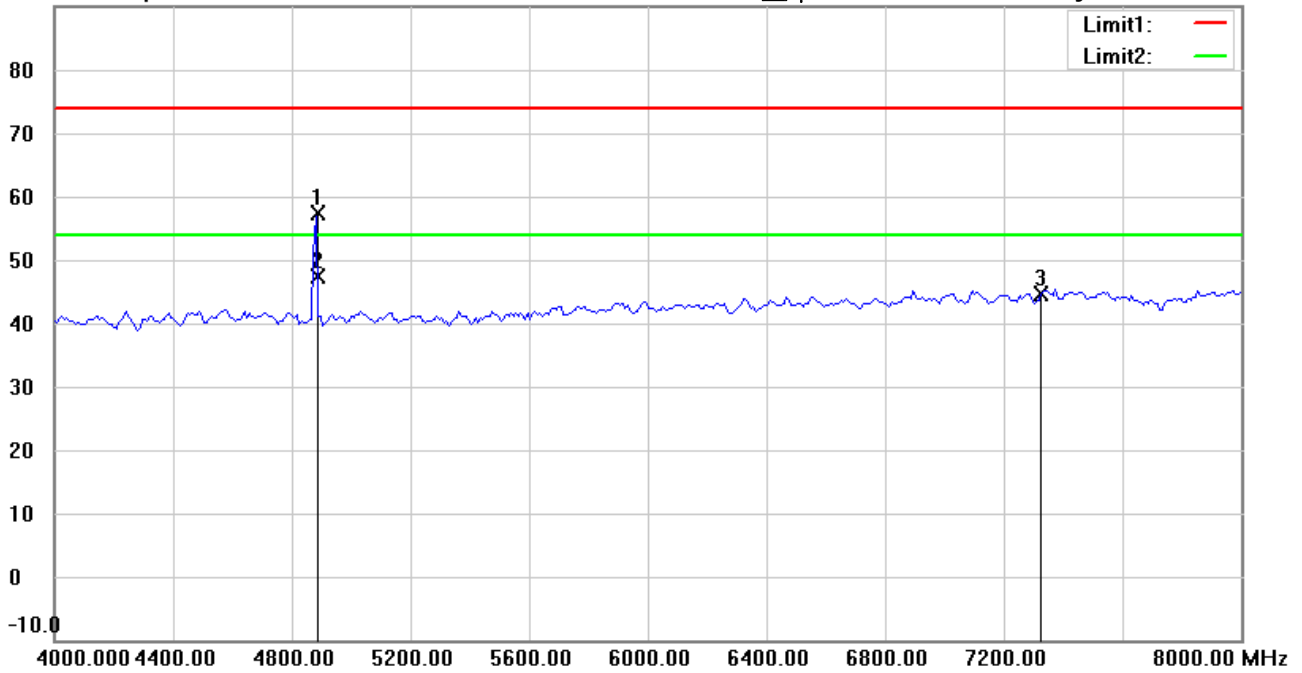
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:20:56

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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	57.65	peak	-0.29	57.36	74.00	151	243	-16.64	
*	4881.764	47.72	AVG	-0.29	47.43	54.00	151	243	-6.57	
	7320.000	40.07	peak	4.66	44.73	74.00	150	170	-29.27	



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

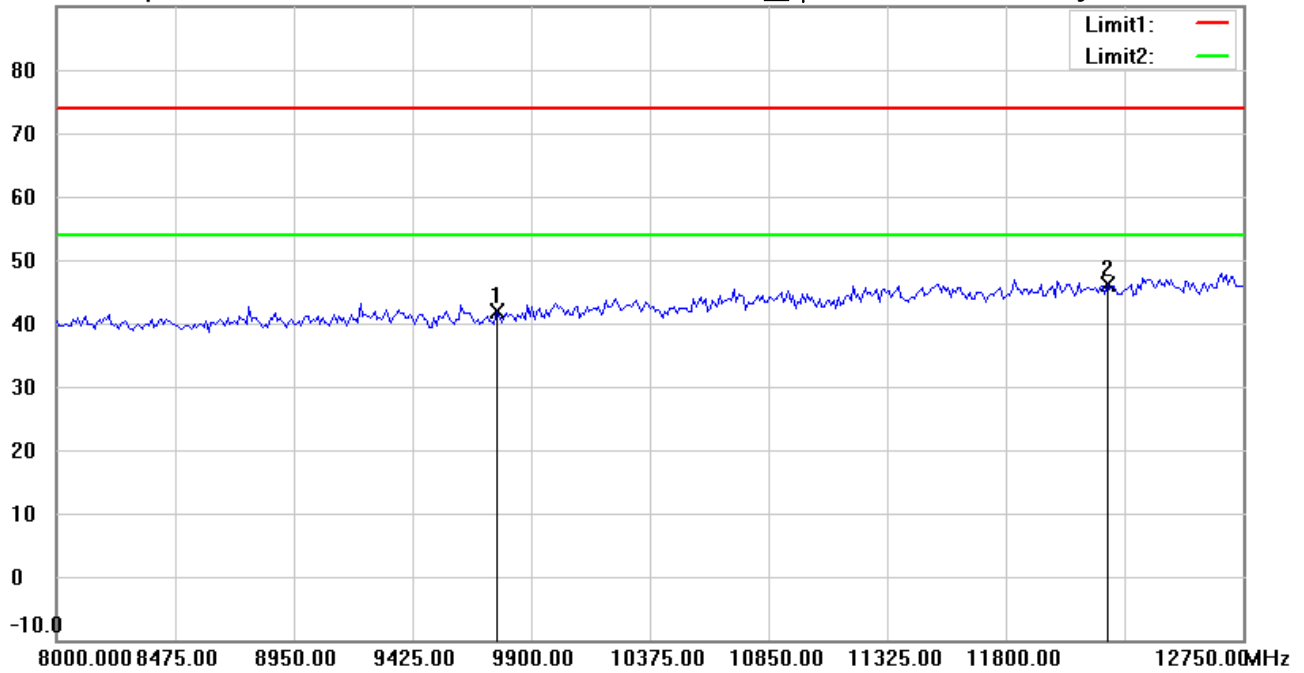
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:18:01

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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
	9760.000	34.18	peak	7.70	41.88	74.00	150	225	-32.12	
*	12200.000	32.18	peak	13.87	46.05	74.00	150	140	-27.95	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

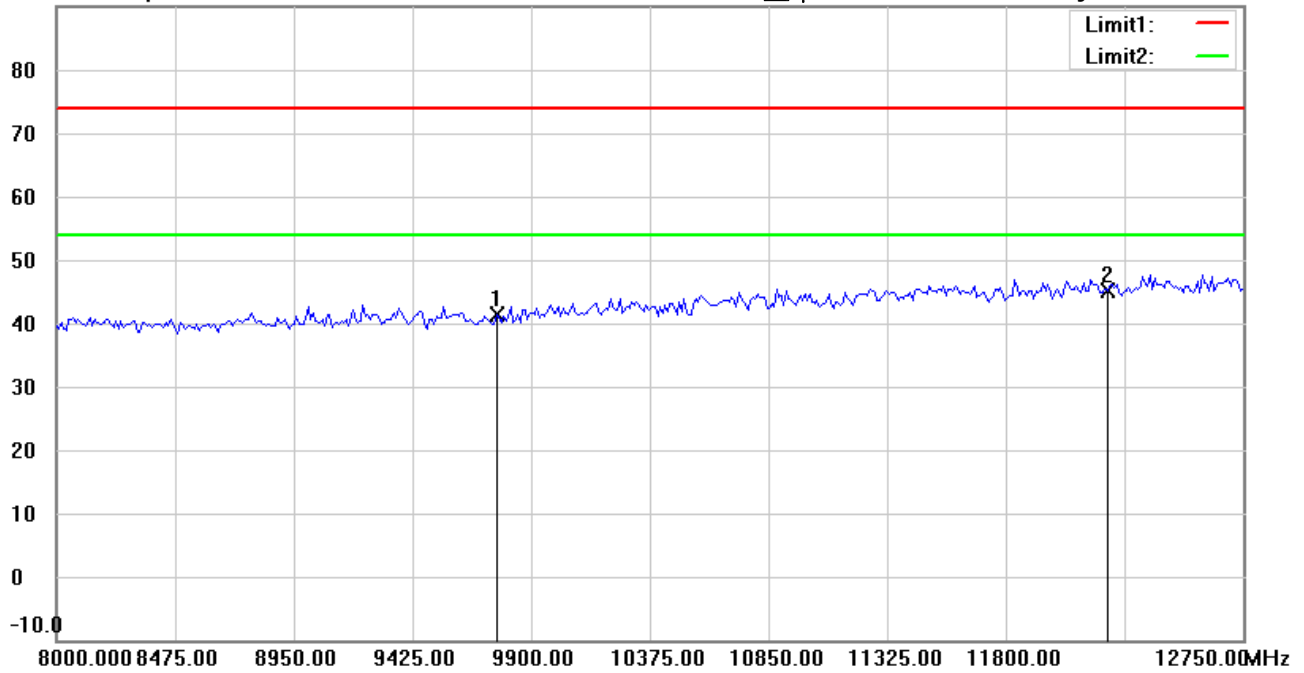
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:21:09

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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
	9760.000	33.79	peak	7.70	41.49	74.00	150	175	-32.51	
*	12200.000	31.38	peak	13.87	45.25	74.00	150	190	-28.75	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

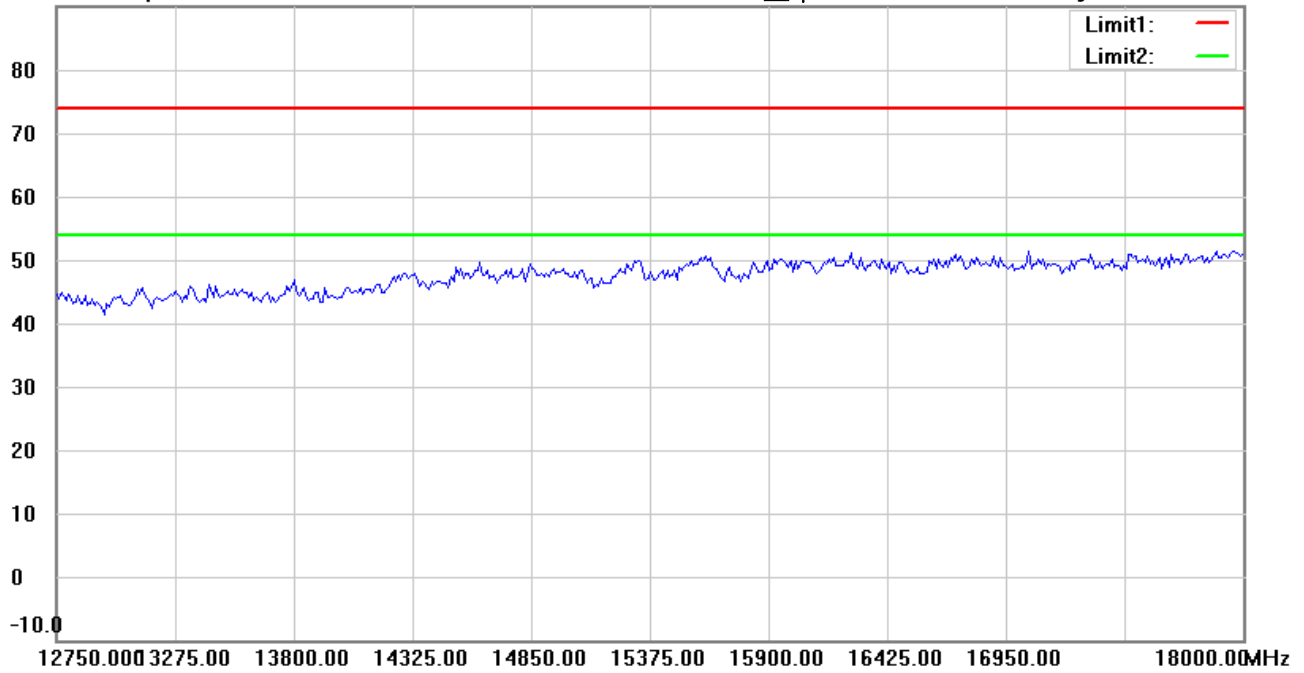
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:18:58

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#9

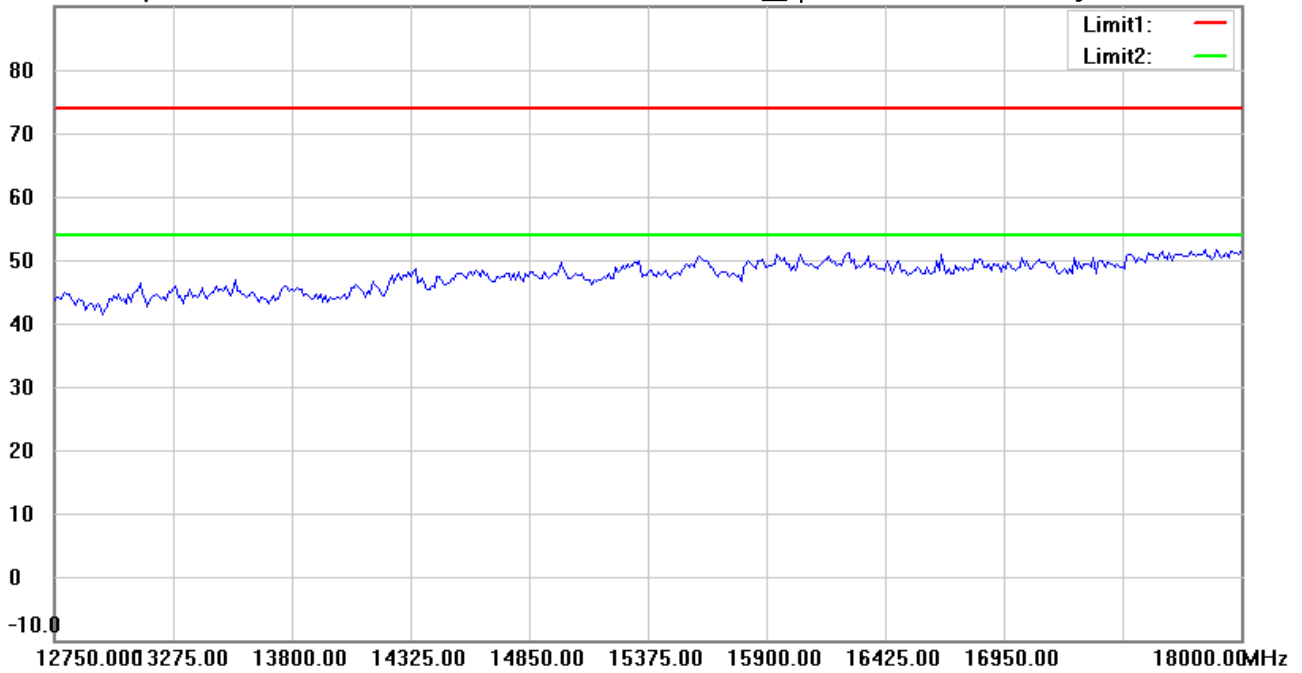
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:22:12

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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





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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

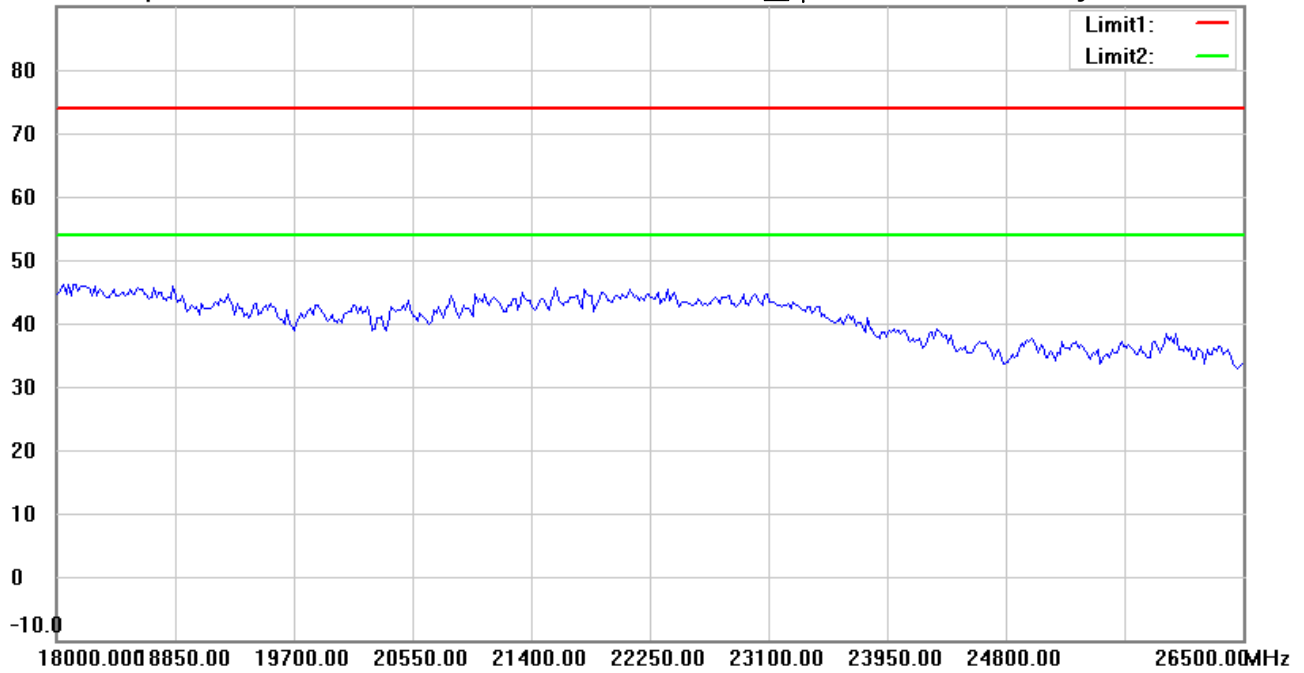
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:19:08

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

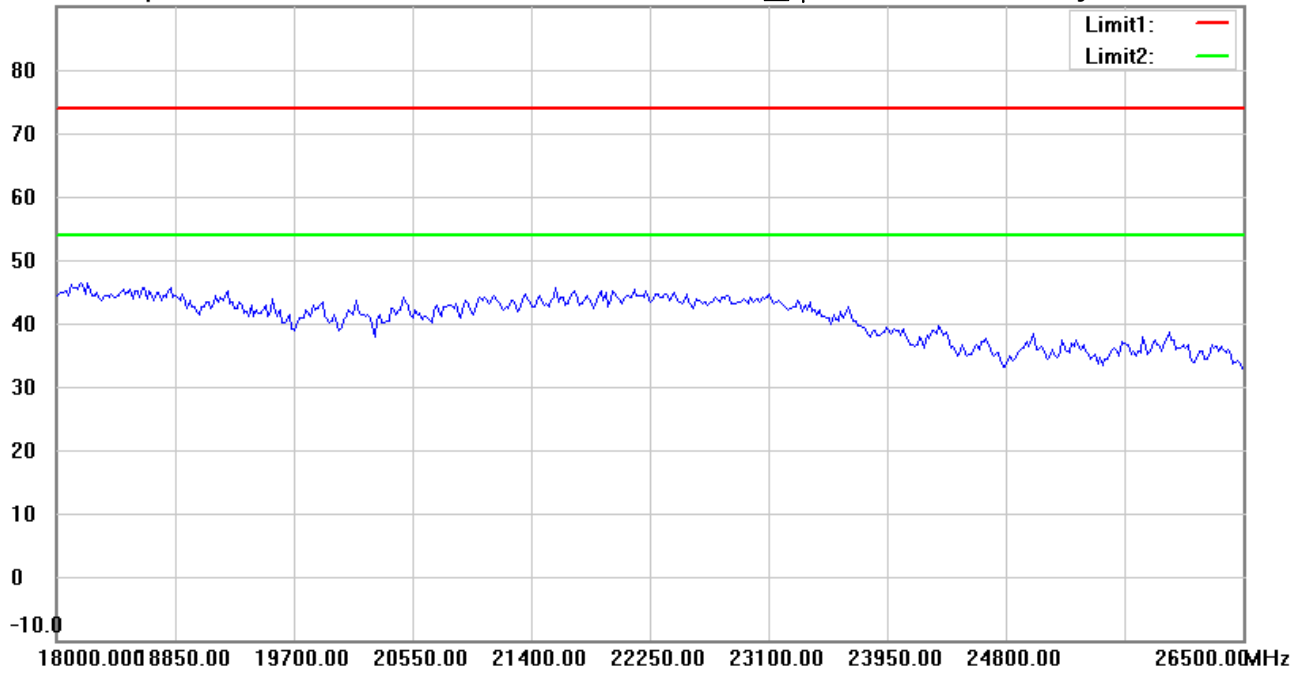
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:22:21

Humidity:60 %



Site : Chamber

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

Polarization: **Vertical**

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

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



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

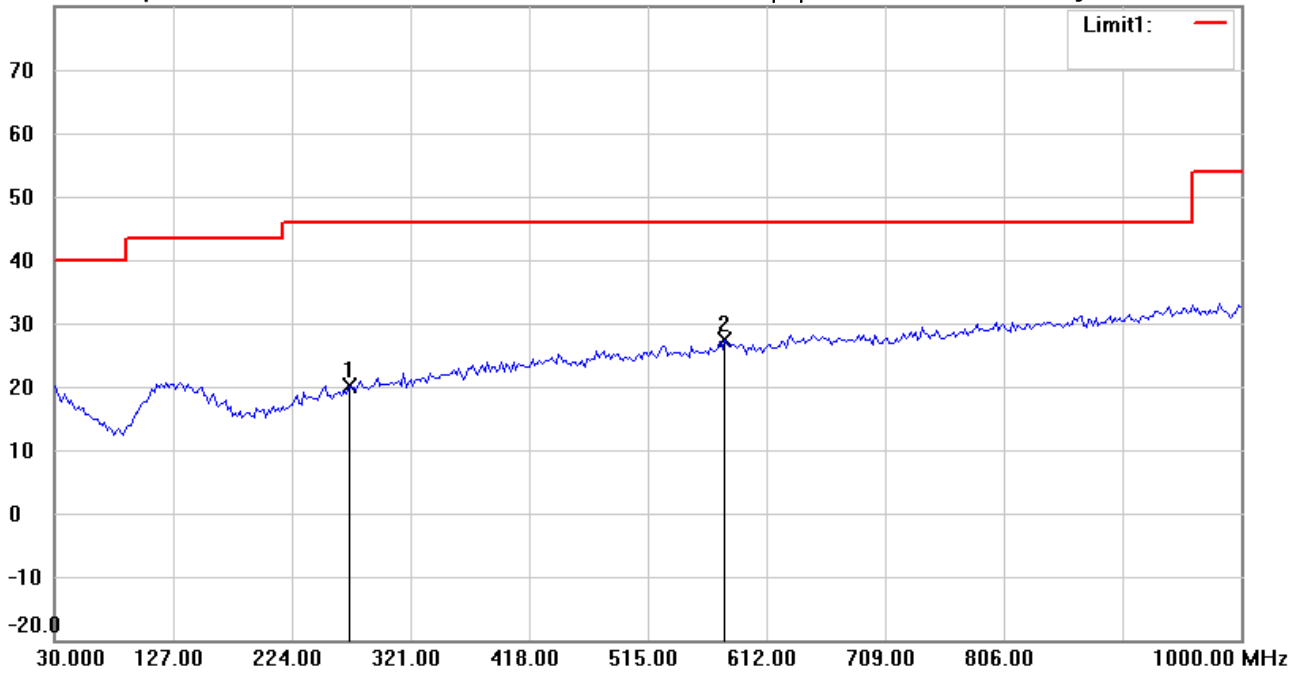
Date: 2017/4/10

Temperature:24 °C

80.0 dBuV/m

Time: 下午 08:44:34

Humidity:60 %



Site : Chamber

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

EUT : W6M21703-16771

M/N:

Test Mode : TX 2474MHz

Note :

Polarization: *Horizontal*

Power : 1.5 Vd.c.

Distance: 3m

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
	271.0421	26.63	peak	-6.49	20.14	46.00	100	75	-25.86	
*	578.1763	28.96	peak	-1.61	27.35	46.00	100	230	-18.65	



Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

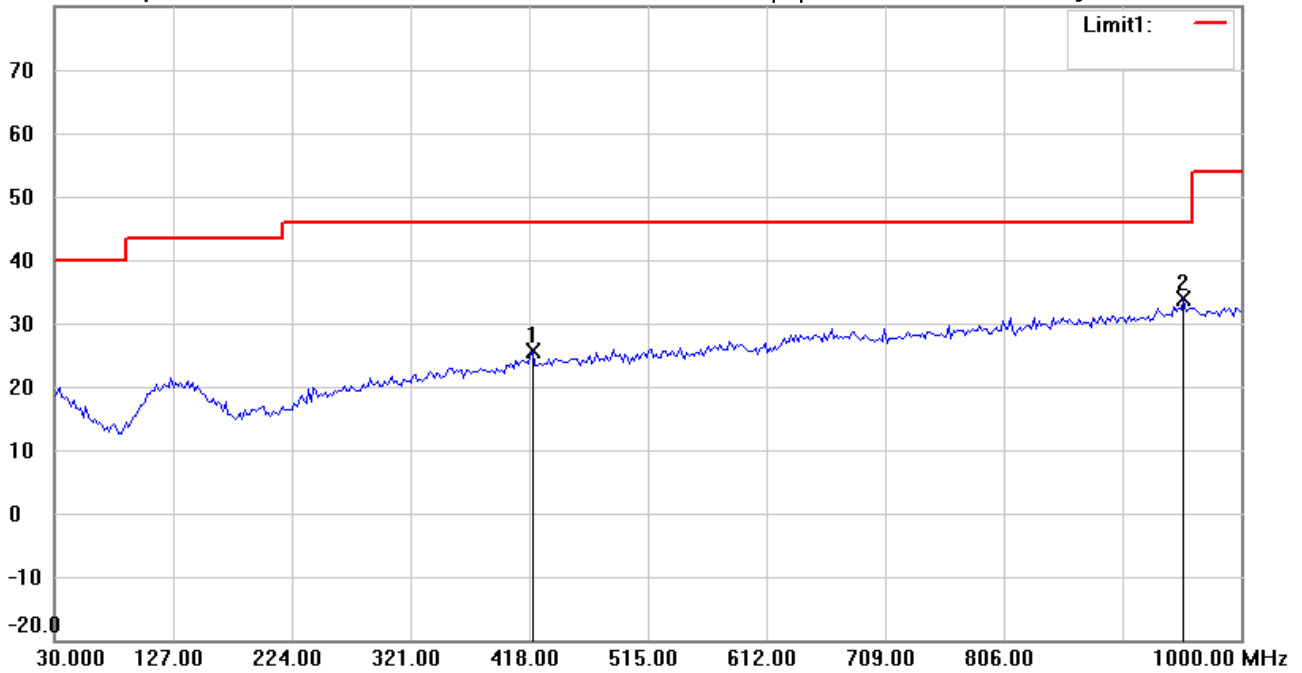
Date: 2017/4/10

Temperature:24 °C

80.0 dBuV/m

Time: 下午 08:45:27

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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
	420.7214	28.90	peak	-3.27	25.63	46.00	100	135	-20.37	
*	953.3467	28.79	peak	4.98	33.77	46.00	100	55	-12.23	



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

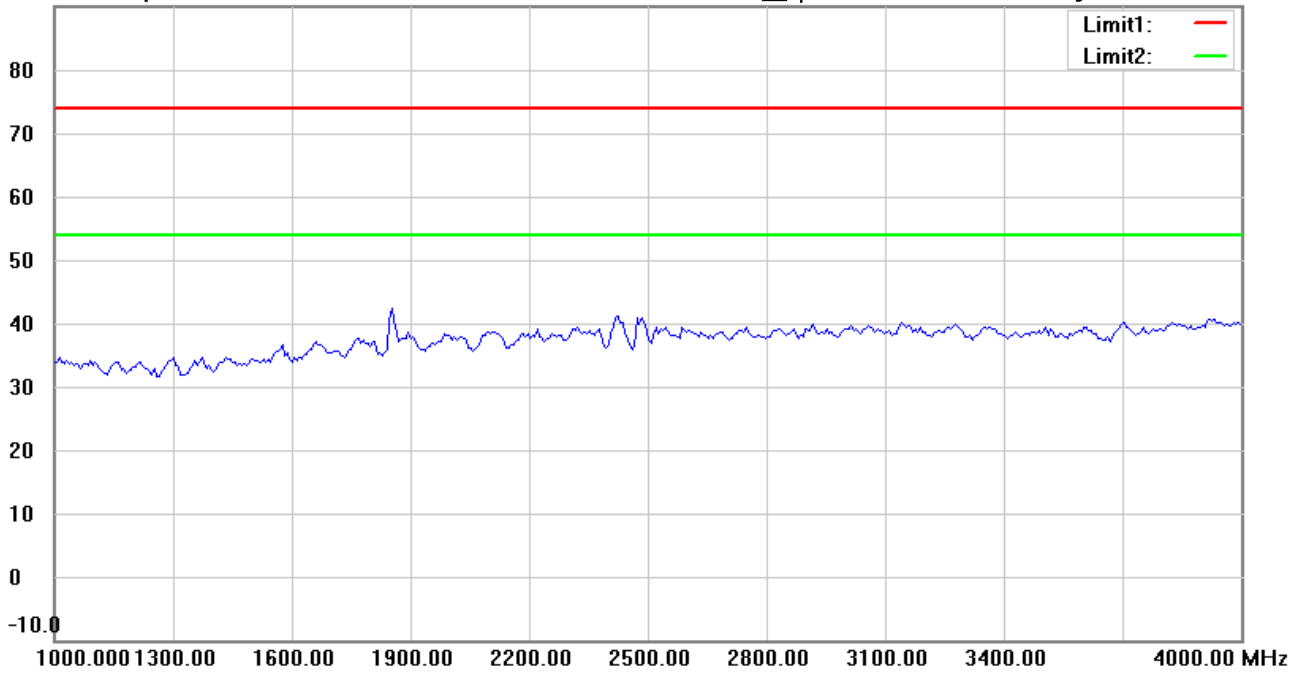
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:45:07

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

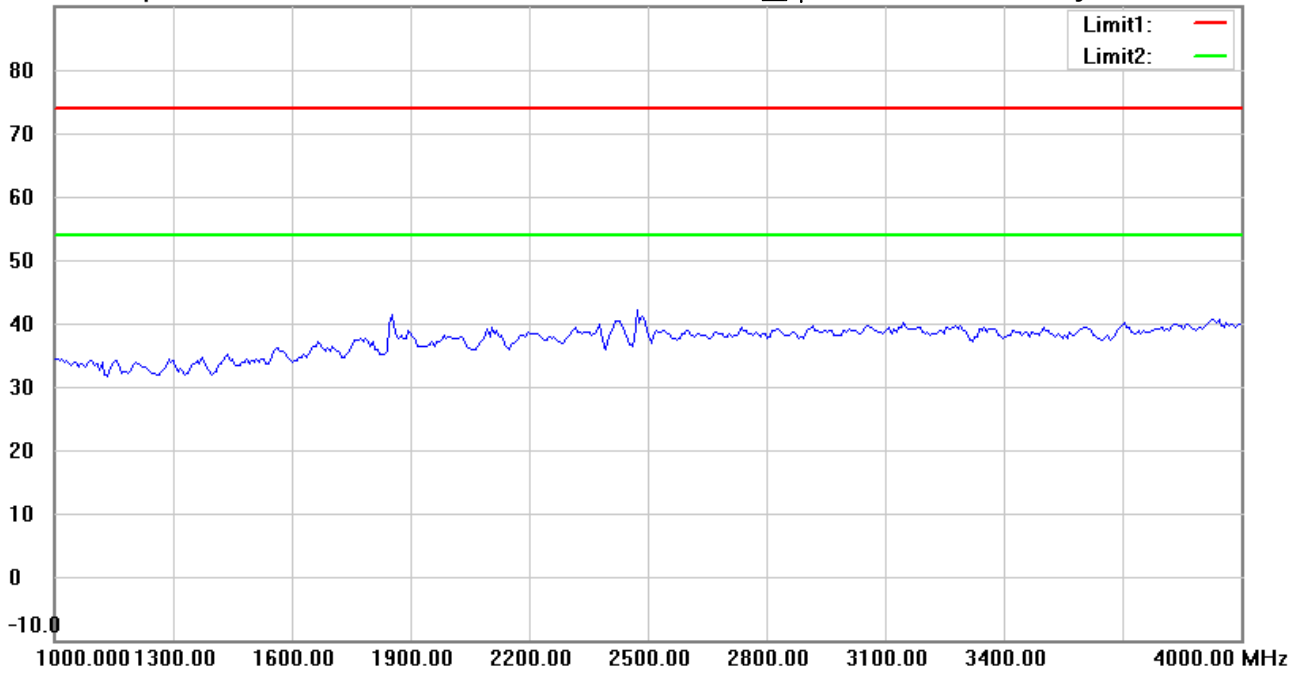
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:48:15

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

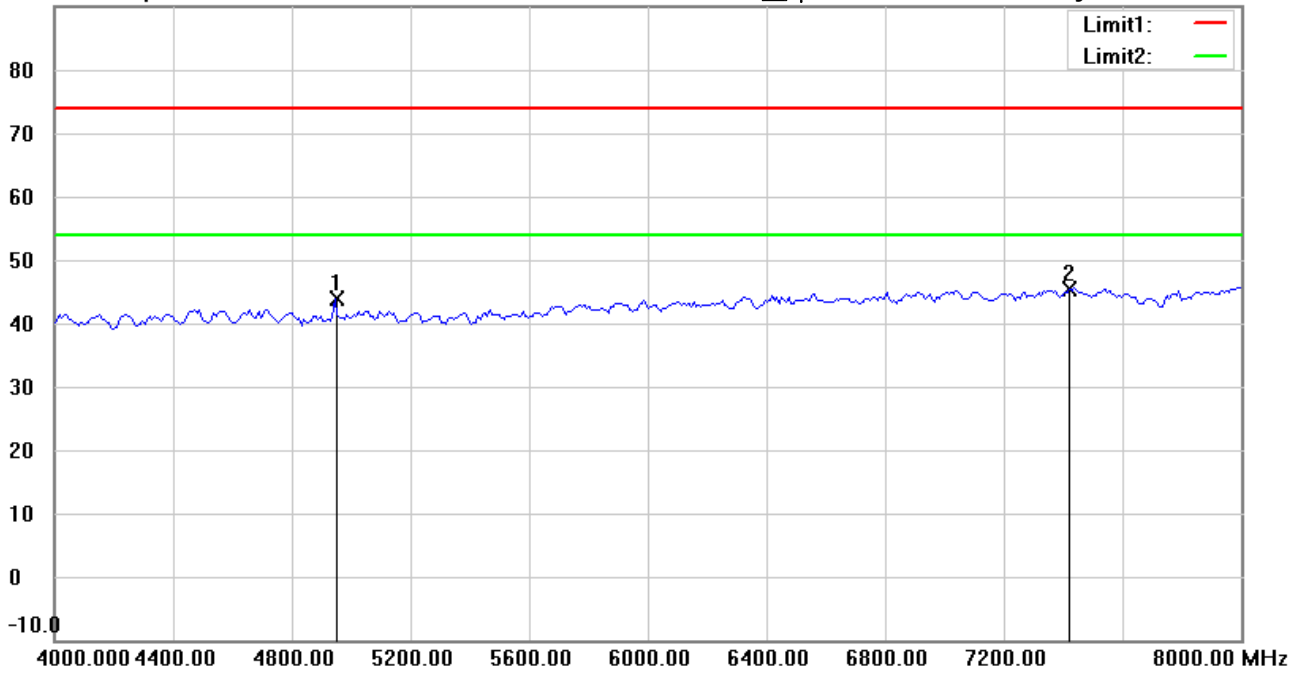
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:46:01

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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	43.91	peak	-0.07	43.84	74.00	150	90	-30.16	
*	7422.000	40.23	peak	5.08	45.31	74.00	150	270	-28.69	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

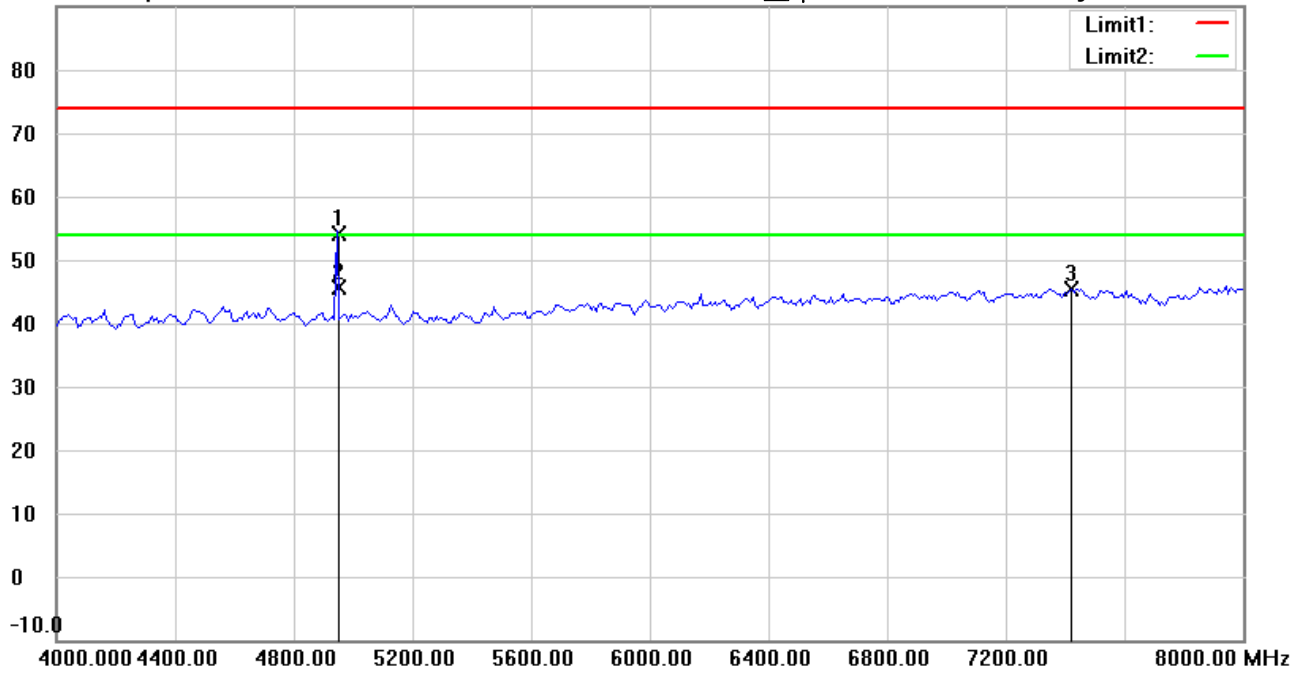
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:49:09

Humidity:60 %



Site : Chamber

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

Polarization: **Vertical**

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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	54.29	peak	-0.07	54.22	74.00	150	173	-19.78	
*	4945.892	45.77	AVG	-0.07	45.70	54.00	150	173	-8.30	
	7422.000	40.21	peak	5.08	45.29	74.00	150	265	-28.71	





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Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

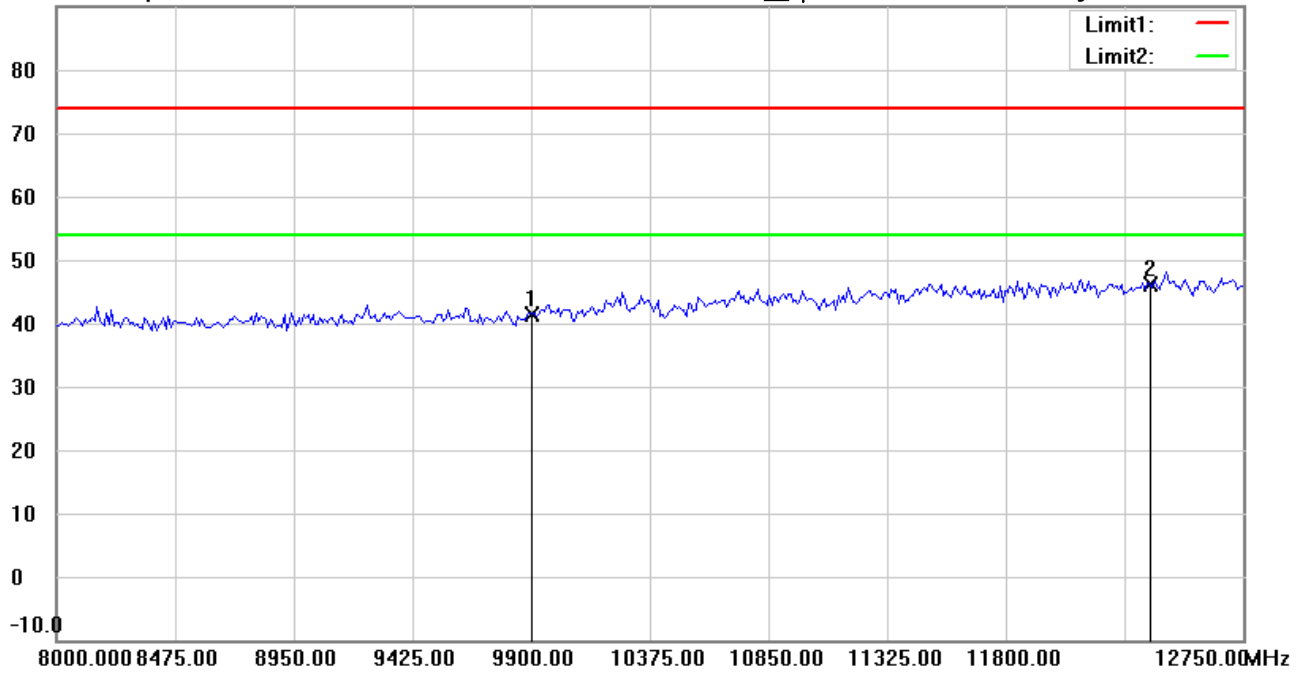
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:46:14

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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
	9896.000	33.47	peak	7.99	41.46	74.00	150	185	-32.54	
*	12370.000	32.23	peak	13.82	46.05	74.00	150	70	-27.95	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

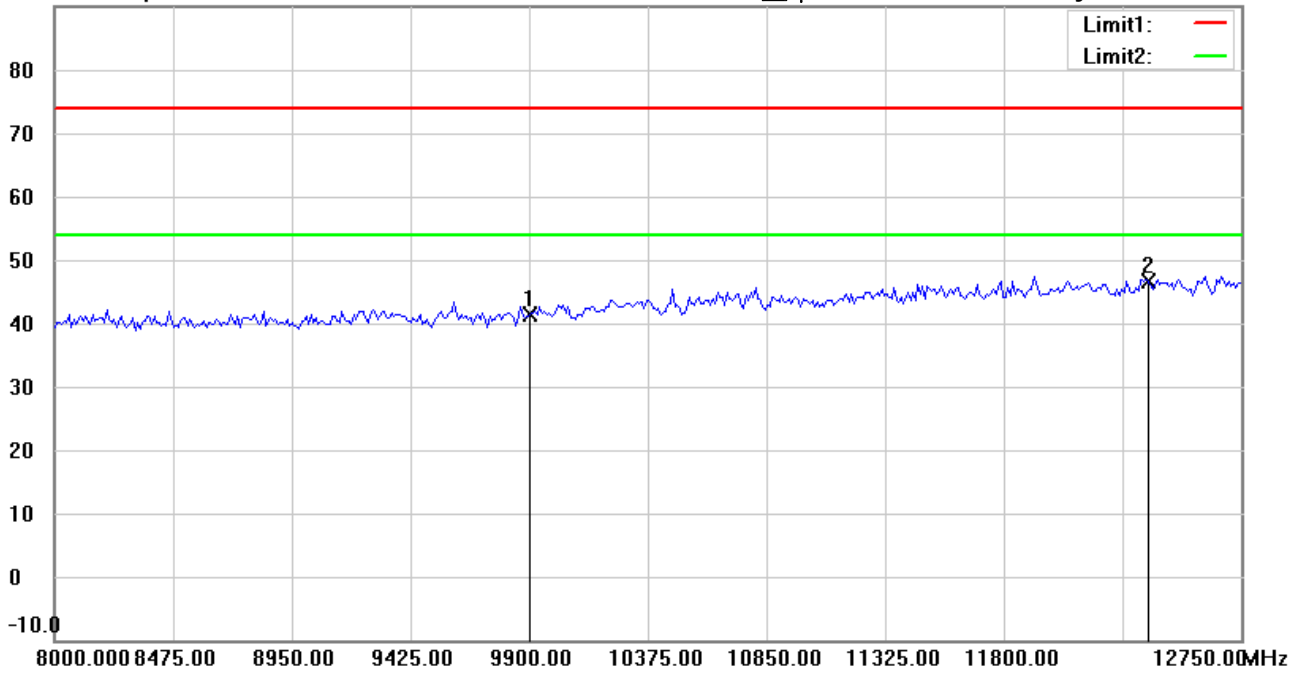
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:49:22

Humidity:60 %



Site : Chamber

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

Polarization: **Vertical**

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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
	9896.000	33.38	peak	7.99	41.37	74.00	150	135	-32.63	
*	12370.000	32.90	peak	13.82	46.72	74.00	150	220	-27.28	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

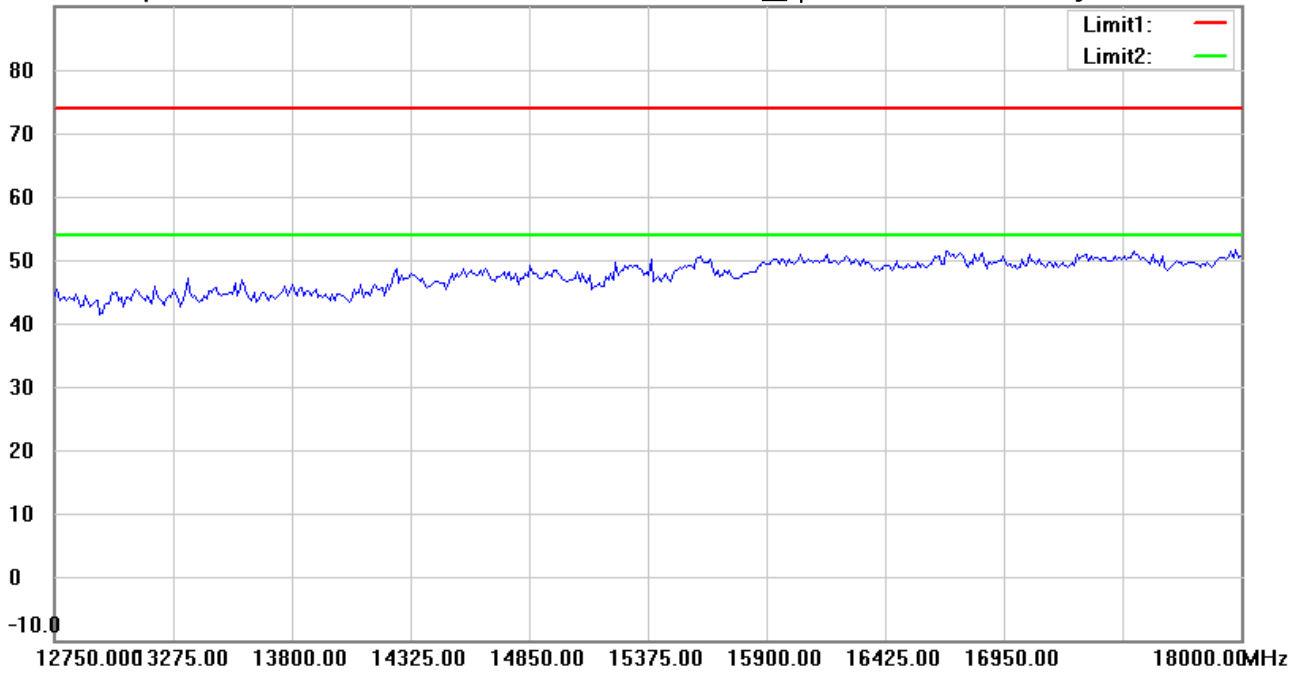
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:47:11

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#9

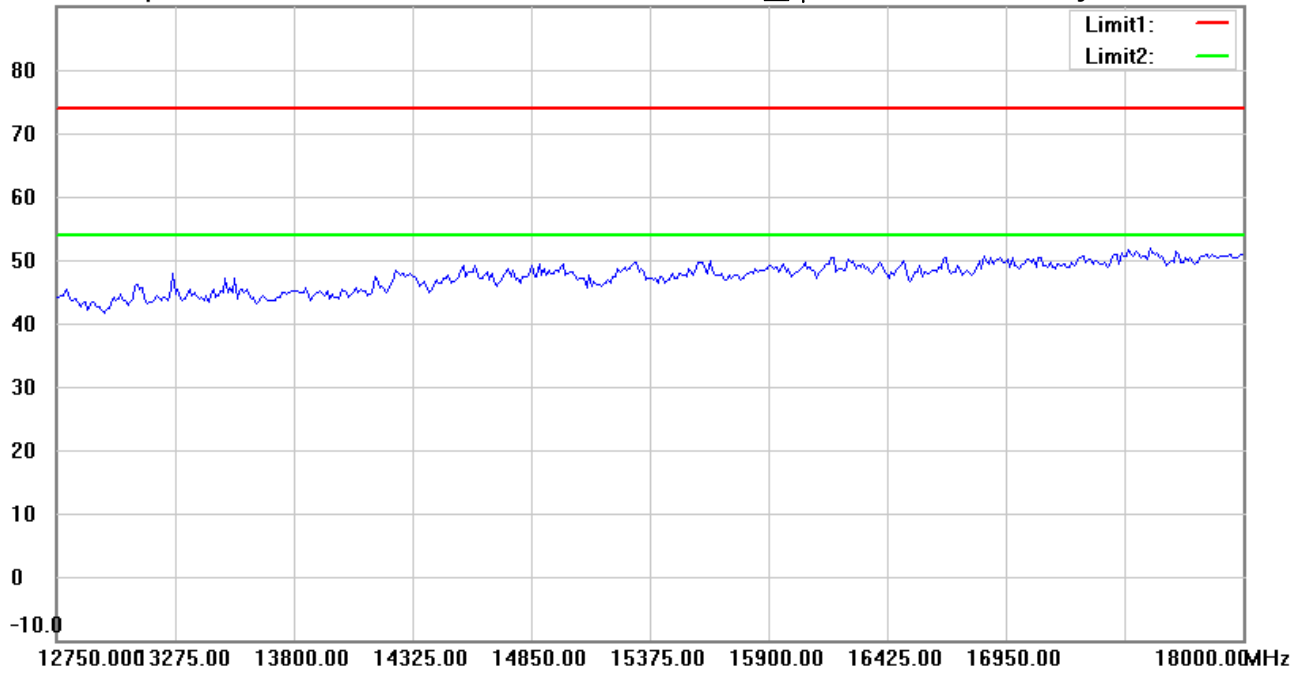
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:50:24

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

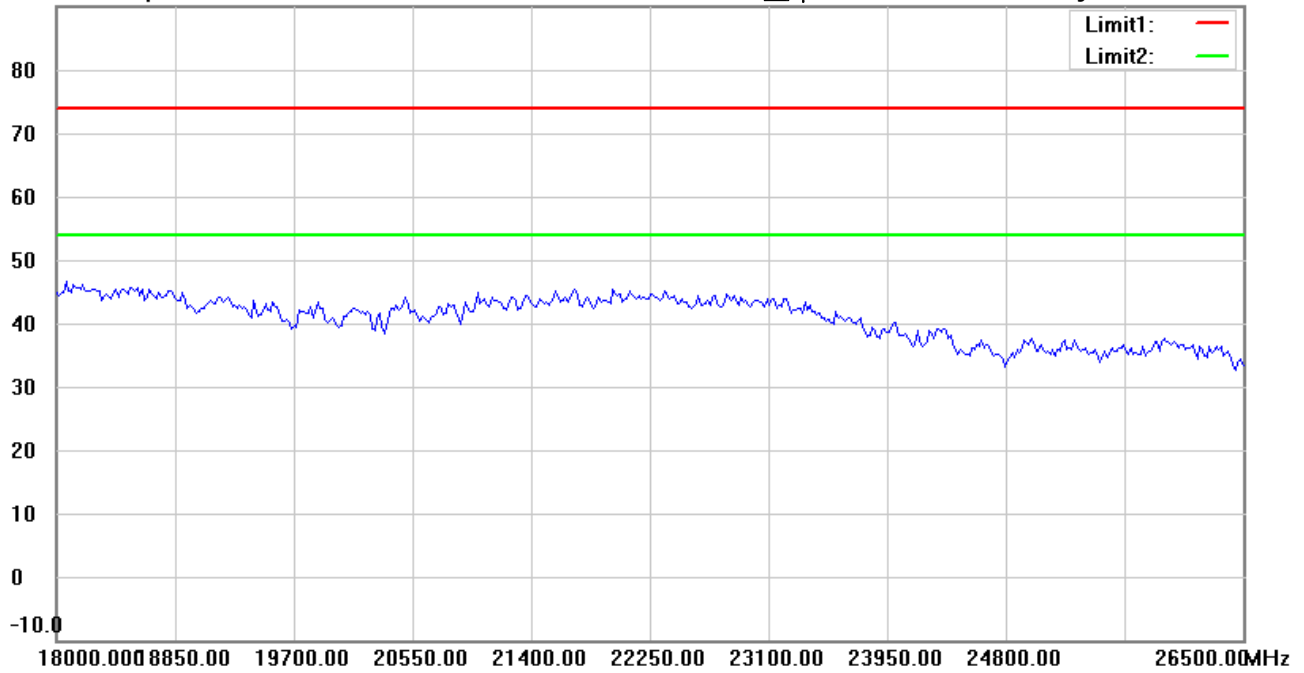
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:47:21

Humidity:60 %



Site : Chamber

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

EUT : W6M21703-16771

M/N:

Test Mode : TX 2474MHz

Note :

Polarization: *Horizontal*

Power : 1.5 Vd.c.

Distance: 3m

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

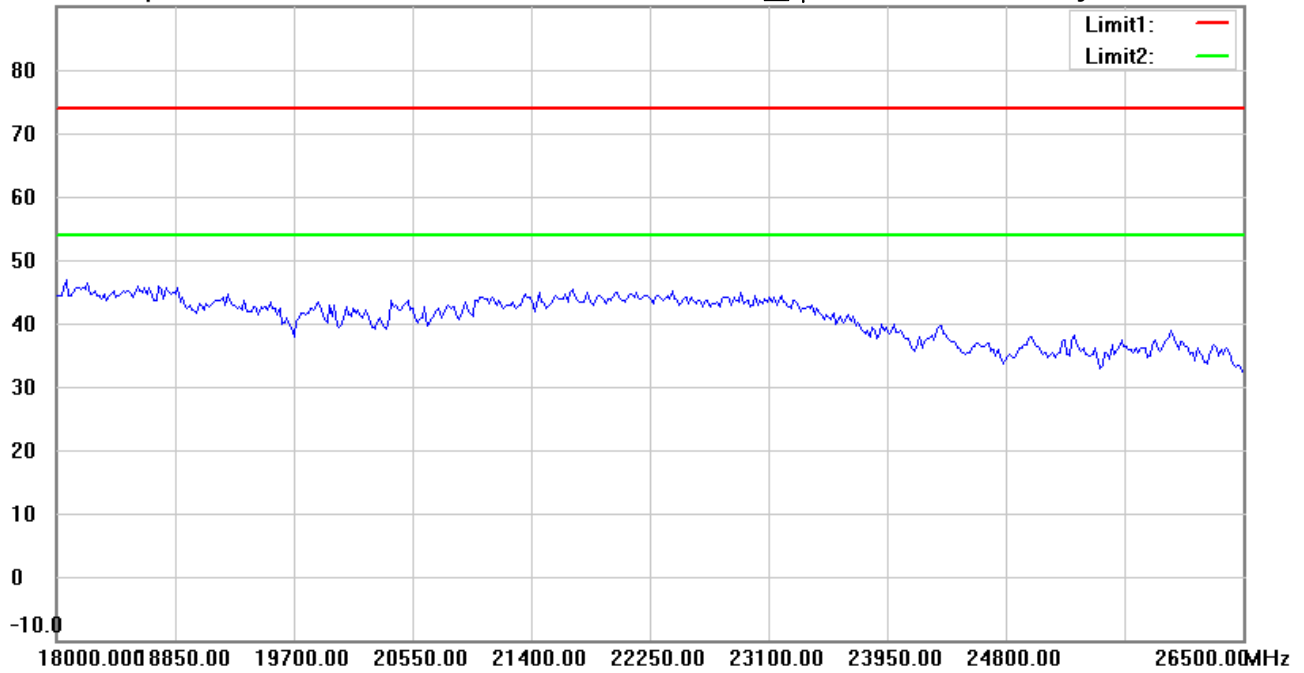
Date: 2017/4/11

Temperature:24 °C

90.0 dBuV/m

Time: 上午 12:50:33

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21703-16771

Power : 1.5 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2474MHz

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