

**FCC PART 15 SUBPART C TEST REPORT**

**for**

**AEROLINK**

**Model No.: AL 3.0**

**FCC ID: 2AJMEFANAL30**

of

Applicant: **Fitness Audio Network P/L**

Address: **P.O. Box 321, Alexandria, New South Wales 1435 Australia**

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.: W6M21608-16104-C-1**



## **TABLE OF CONTENTS**

1	GENERAL INFORMATION .....	2
1.1	Notes.....	2
1.2	Testing laboratory.....	3
1.3	Details of approval holder.....	3
1.4	Application details.....	4
1.5	General information of Test item.....	4
1.6	Test standards.....	5
2	TECHNICAL TEST .....	6
2.1	Summary of test results.....	6
2.2	Test environment.....	6
2.3	Test Equipment List.....	7
2.4	General Test Procedure.....	9
3	TEST RESULTS (ENCLOSURE) .....	11
3.1	Peak Output Power (transmitter) .....	12
3.2	RF Exposure Compliance Requirements.....	16
3.3	Out of Band Radiated Emissions .....	16
3.4	Transmitter Radiated Emissions in restricted Bands .....	17
3.5	Spurious emissions (tx).....	18
3.6	Carrier Frequency Separation.....	19
3.7	Number of Hopping Frequencies.....	22
3.8	Time of Occupancy (Dwell Time).....	25
3.9	20dB Bandwidth.....	31
3.10	Band-edge Compliance of RF Emissions .....	35
3.11	Radiated Emissions from Digital Part .....	40
3.12	Power Line Conducted Emission.....	41

Appendix



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

Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

## 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:

August 26, 2016

Mark Cheng

Date

WTS-Lab.

Name

Signature

### Technical responsibility for area of testing:

August 26, 2016

Kevin Wang

Date

WTS

Name

Signature



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

Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

## **1.2 Testing laboratory**

### **1.2.1 Location**

OATS

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

3 meter semi-anechoic chamber

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

TEL:886-2-6613-0228

FAX:886-2-2791-5046

Company

Worldwide Testing Services(Taiwan) Co., Ltd.

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

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

Tel : 886-2-66068877

Fax : 886-2-66068879

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

Accredited testing laboratory

A2LA accredited number: 2732.01

FCC filed test laboratory Reg. No. 930600

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

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

Name: ./.

Accredited number: ./.

Street: ./.

Town: ./.

Country: ./.

Telephone: ./.

Fax: ./.

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

Name: Fitness Audio Network P/L

Street: P.O. Box 321,

Town: Alexandria, New South Wales 1435

Country: Australia

Telephone: +612-8399-1052

Fax: +612-8399-3396



Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

## 1.4 Application details

Date of receipt of test item: August 15, 2016  
Date of test: from August 16, 2016 to August 26, 2016

## 1.5 General information of Test item

Type of test item: AEROLINK  
Model Number: AL 3.0  
Multi-listing model number: ./.  
Photos: see Annex

### Technical data

Frequency band: 2402 - 2480 MHz  
Frequency ( ch A): 2402 MHz  
Frequency ( ch B): 2441 MHz  
Frequency ( ch C): 2480 MHz

### Transmitter

### Unom

Normal Mode  
Power ( ch 0): Conducted: -3.20 dBm  
Power ( ch 39): Conducted: -1.39 dBm  
Power ( ch 78): Conducted: -1.43 dBm  
  
EDR Mode  
Power ( ch 0): Conducted: -0.03 dBm  
Power ( ch 39): Conducted: 2.87 dBm  
Power ( ch 78): Conducted: 2.77 dBm  
  
Power supply: Adapter (I/P: 100-240V~50-60Hz, 0.58A  
O/P: 12V, 2A)  
  
Operation modes: Duplex  
Modulation Type: GFSK、 $\pi/4$ DQPSK、8DPSK  
Antenna Type: Internal antenna  
Antenna gain: 1.87 dBi  
Host device: none



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

Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

Classification:

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

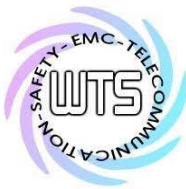
## **Manufacturer: (if applicable)**

Name: CHIAYO ELECTRONICS CO., LTD.  
Street: No.88, Chung Hsiao Street 2,  
Town: Chiayi,  
Country: Taiwan, R.O.C.

Additional information: ./.

## **1.6 Test standards**

Technical standard : FCC RULES PART 15 SUBPART C § 15.247 (2015-10)



Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

## **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 Adapter (I/P: 100-240V~50-60Hz, 0.58A  
O/P: 12V, 2A)

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



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

Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

## 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-EICHLITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2016/7/15	2017/7/14
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2015/9/7	2016/9/6
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	2016/3/23	2017/3/22
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2016/1/25	2017/1/24
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2016/3/28	2017/3/27
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2016/4/14	2017/4/13
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2016/2/25	2017/2/24
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2016/2/25	2017/2/24
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2016/2/25	2017/2/24
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2016/2/27	2017/2/26
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2016/2/25	2017/2/24
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2016/4/13	2017/4/12
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2015/9/6	2016/9/5
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2015/9/21	2016/9/20
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2016/2/25	2017/2/24
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	2016/1/13	2017/1/12
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





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

Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

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	2016/2/25	2017/2/24
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	2016/4/13	2017/4/12
ETSTW-RE 143	Humidity Temperature Meter	TES-1260	110104623	TES	2015/9/9	2016/9/8
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2016/3/31	2017/3/30
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	2016/3/4	2017/3/3
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2016/2/3	2017/2/2
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2016/1/13	2017/1/12
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2016/1/13	2017/1/12
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2016/1/13	2017/1/12
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2016/1/13	2017/1/12
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2015/9/16	2016/9/15
ETSTW-Cable 010	BNC Cable	5 M BNC Cable	None	JYE BAO CO.,LTD.	2015/9/11	2016/9/10
ETSTW-Cable 011	BNC Cable	BNC Cable 1	None	JYE BAO CO.,LTD.	Pre-test Use NCR	
ETSTW-Cable 012	N TYPE To SMA Cable	Cable 012	None	JYE BAO CO.,LTD.	2015/9/11	2016/9/10
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2016/2/24	2017/2/23
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2016/2/24	2017/2/23
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2016/2/24	2017/2/23
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2016/2/24	2017/2/23
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.	2016/4/7	2017/4/6
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2016/2/25	2017/2/24
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	2015/9/21	2016/9/20
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2015/9/21	2016/9/20
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2016/2/25	2017/2/24
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S Cable 10)	238092	HUBER+SUHNER	2016/4/13	2017/4/12
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2016/4/13	2017/4/12
ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2016/4/13	2017/4/12
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2016/4/7	2017/4/6
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2016/4/13	2017/4/12
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1	



Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

## 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 dB $\mu$ V + 10.36 dB + 6 dB = 36.36 dB $\mu$ V/m @3m

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.10-2013 6.2.2. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

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

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

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

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.



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

Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

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

$T = 100\text{ms}$  when the pulse train period is over 100 ms or the period of the pulse train.

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

ANSI STANDARD C63.10-2013 B.2.7: Any measurements that utilize special test software shall be indicated and referenced in the test report. During testing, test software 'EZ EMC' was used for setting up different operation modes.



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

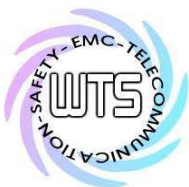
Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

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

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

The follows is intended to leave blank.



Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

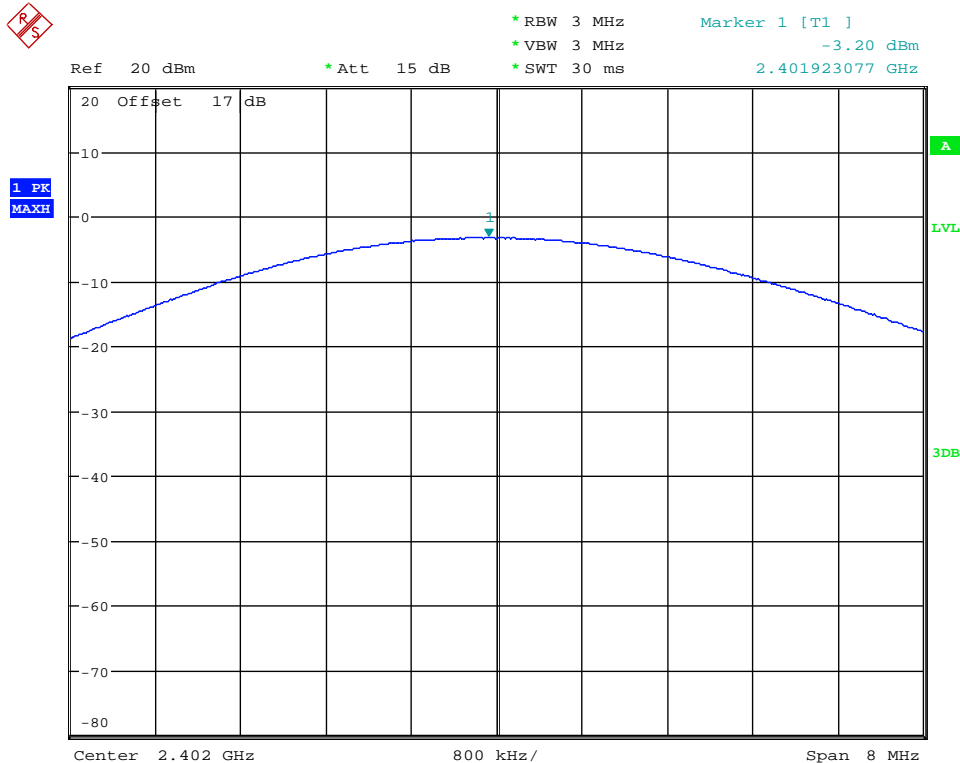
## 3.1 Peak Output Power (transmitter)

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.

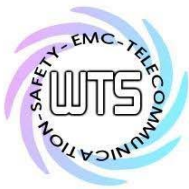
The power was measured with modulation (declared by the applicant).

Normal mode



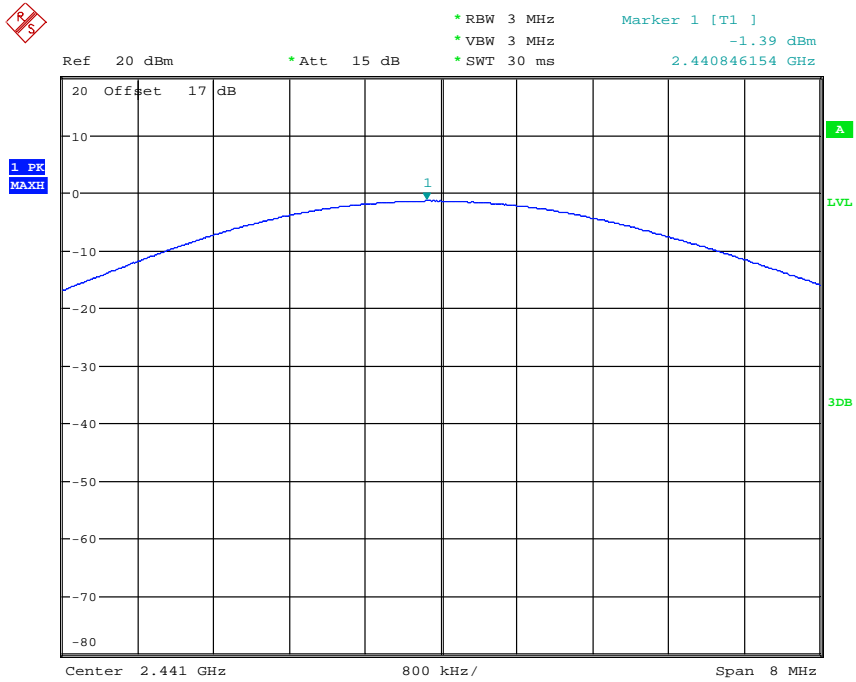
MAX OUTPUT POWER CH0

Date: 23.AUG.2016 16:02:35

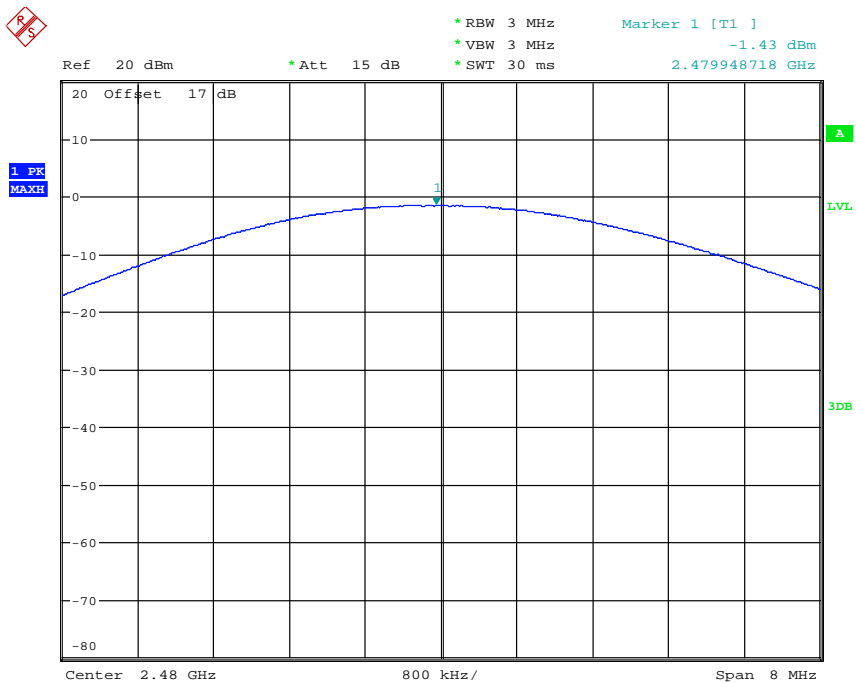


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30



MAX OUTPUT POWER CH39  
Date: 23.AUG.2016 16:03:43



MAX OUTPUT POWER CH78  
Date: 23.AUG.2016 16:04:35

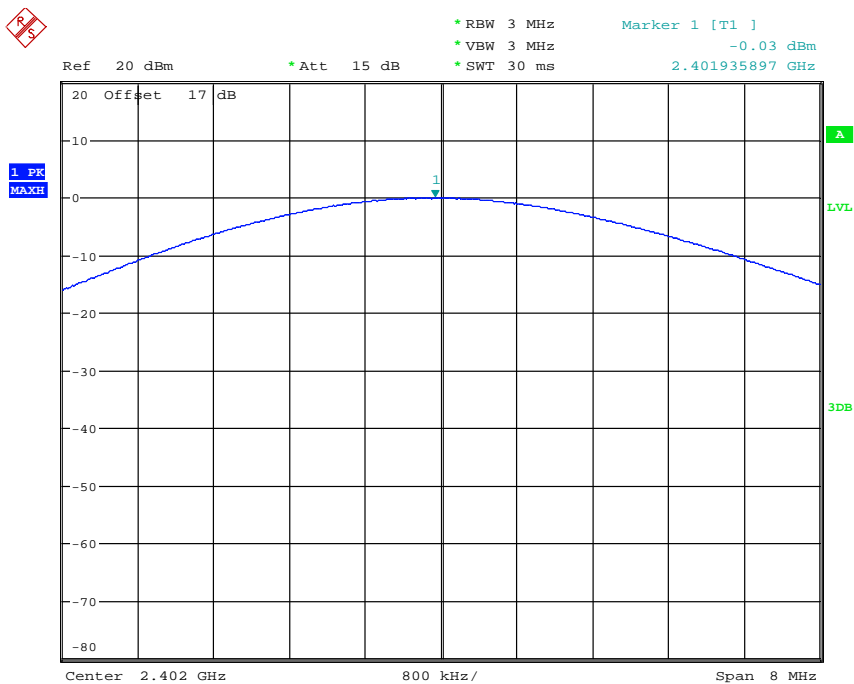


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1

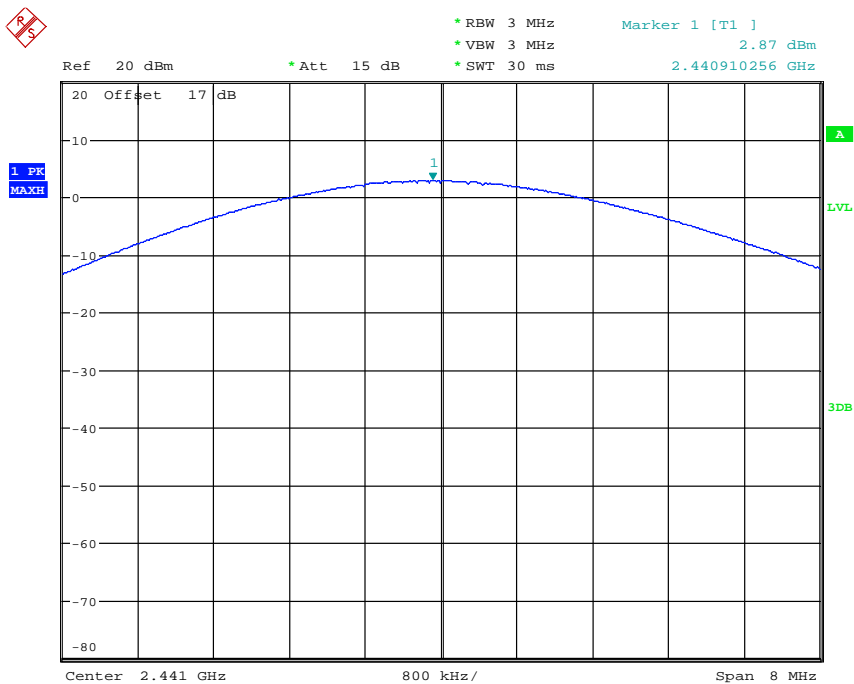
FCC ID: 2AJMEFANAL30

EDR mode



MAX OUTPUT POWER CH0 EDR MODE

Date: 23.AUG.2016 16:11:35

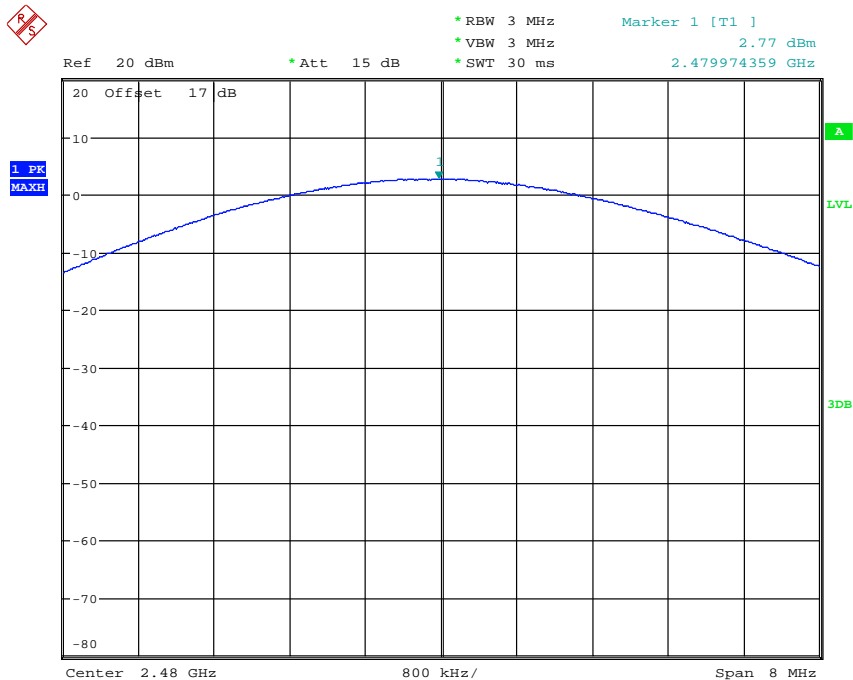


MAX OUTPUT POWER CH39 EDR MODE

Date: 23.AUG.2016 16:13:23



Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30



MAX OUTPUT POWER CH78 EDR MODE  
 Date: 23.AUG.2016 16:18:55

## Maximum Peak Output Power

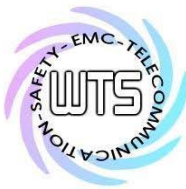
Limits:

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 >dBi and using fixed point-to point operation consider §15.247 (b)(4).

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





Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

### **3.2 RF Exposure Compliance Requirements**

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

The antenna used for this Bluetooth transceiver module must not be co-located or operating in conjunction with any other antenna or transmitter.

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

FCC Rule: 15.247(c) , 15.35

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

Limits:

For frequencies below 1GHz :

Max. reading – 20 dB

Guidance on Measurement of FHSS Systems:

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

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

For frequencies above 1GHz (Peak measurements).

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

For frequencies above 1GHz (Average measurements).

Max. reading – 20 dB - duty cycle correction:

No duty cycle correction was added to the reading

Test equipment used: ETSTW-RE 004, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 030, ETSTW-RE 064

Explanation: See attached diagrams in appendix.



Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

### 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

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 064

Explanation: See attached diagrams in appendix.



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

Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30

### 3.5 Spurious emissions (tx)

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

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

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

Calculation of test results:

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

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

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

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

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

Model:	AL 3.0	Date:	--	Engineer:	--
Mode:	--	Temperature:	-- °C	Humidity:	-- %
Polarization:	--				

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.
  5. Measurement uncertainty above 1GHz: 30-1000 MHz = ±4.69 dB, 1-18 GHz = ± 4.78 dB, 18-40 GHz = ± 2.44 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
  6. See attached diagrams in appendix.

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

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

Test equipment used: ETSTW-RE 004, ETSTW-RE 030, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147 ,ETSTW-RE 064, ETSTW-RE 088, ETSTW-RE 018

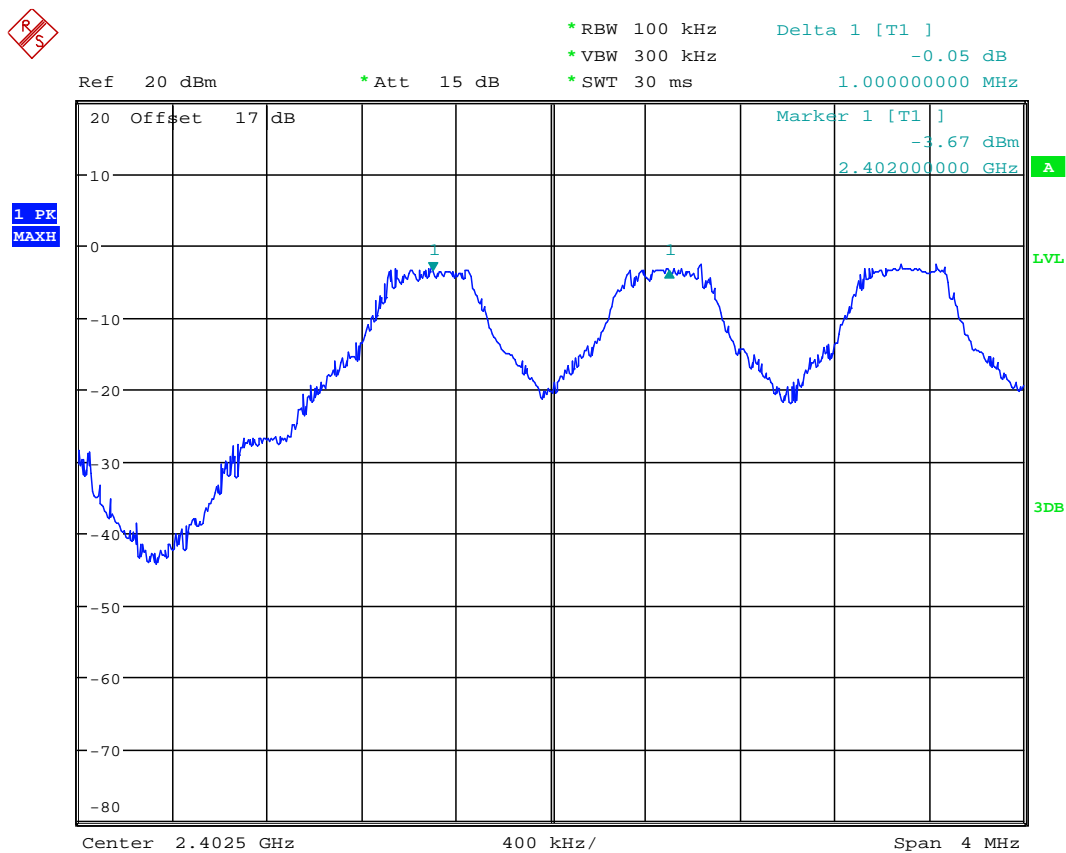


Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

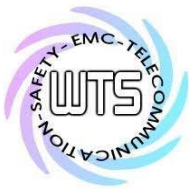
## 3.6 Carrier Frequency Separation

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.

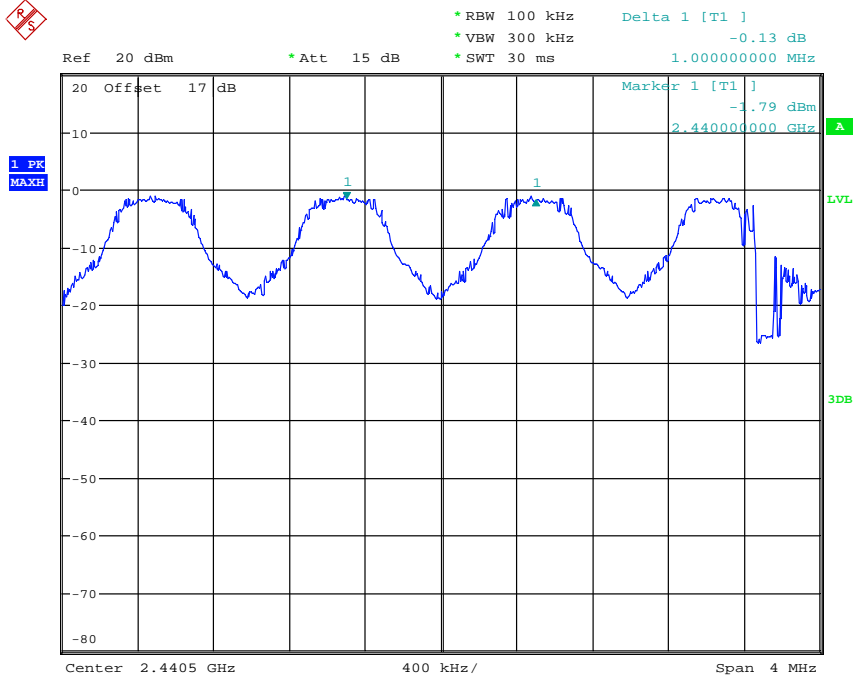


FREQUENCY SEPARATION CH0  
Date: 23.AUG.2016 16:09:11

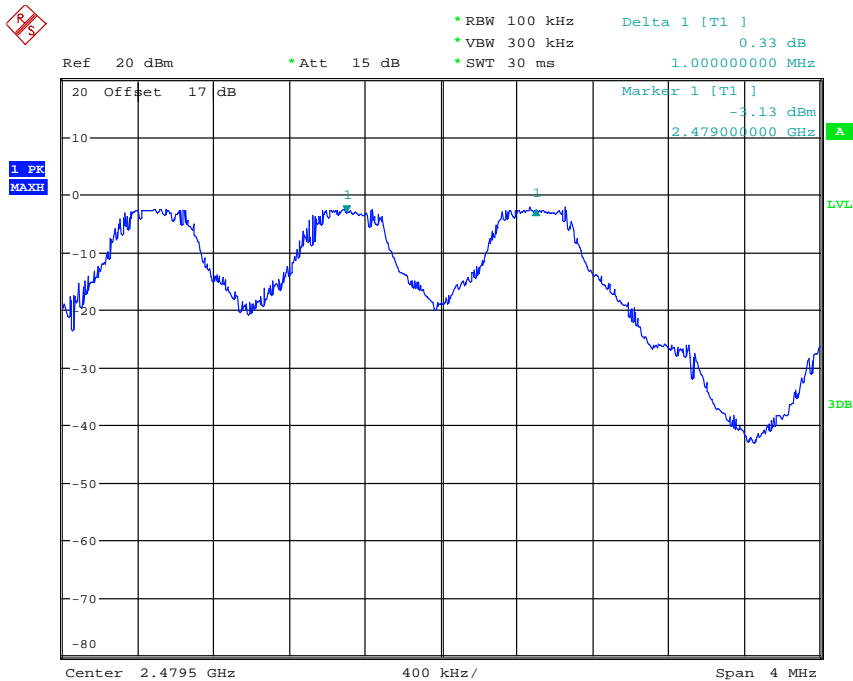


# Worldwide Testing Services(Taiwan) Co., Ltd.

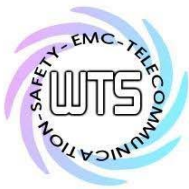
Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30



FREQUENCY SEPARATION CH39  
Date: 23.AUG.2016 16:09:55



FREQUENCY SEPARATION CH78  
Date: 23.AUG.2016 16:10:43



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

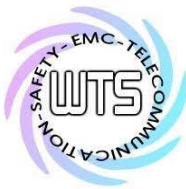
Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

**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 5725-5850.0	25 kHz	20 dB bandwidth

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

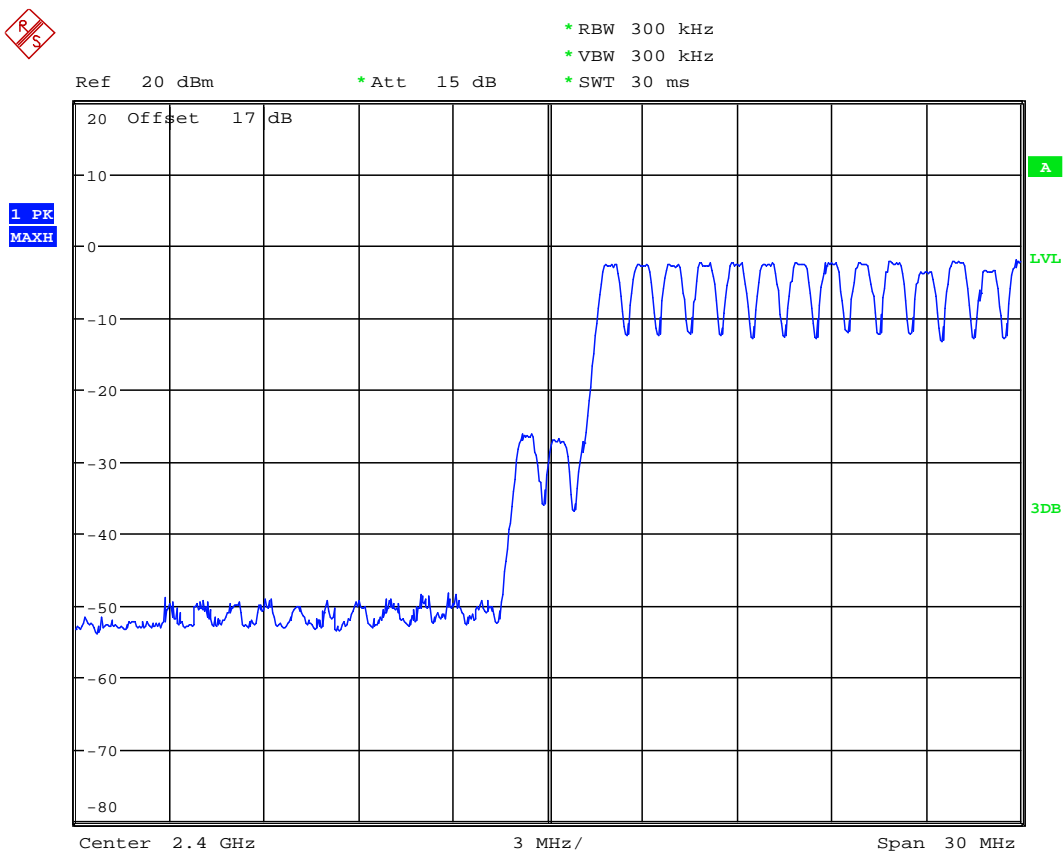


Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

### 3.7 Number of Hopping Frequencies

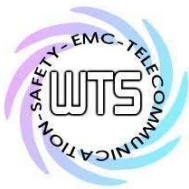
According to FCC rules part 15 subpart C §15.247 frequency hopping systems operating in the 2400-2483.5 MHz band shall use at least 15 hopping frequencies. Frequency hopping systems in 5725-5850 MHz bands shall use least 75 hopping frequencies.

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.



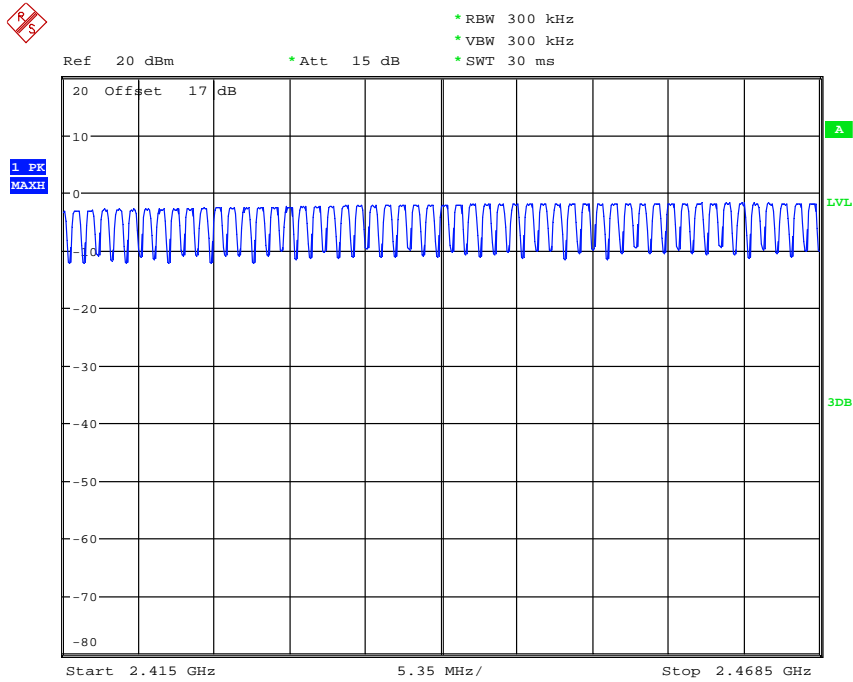
NUMBER OF HOPPING CH0-13

Date: 23.AUG.2016 16:06:31

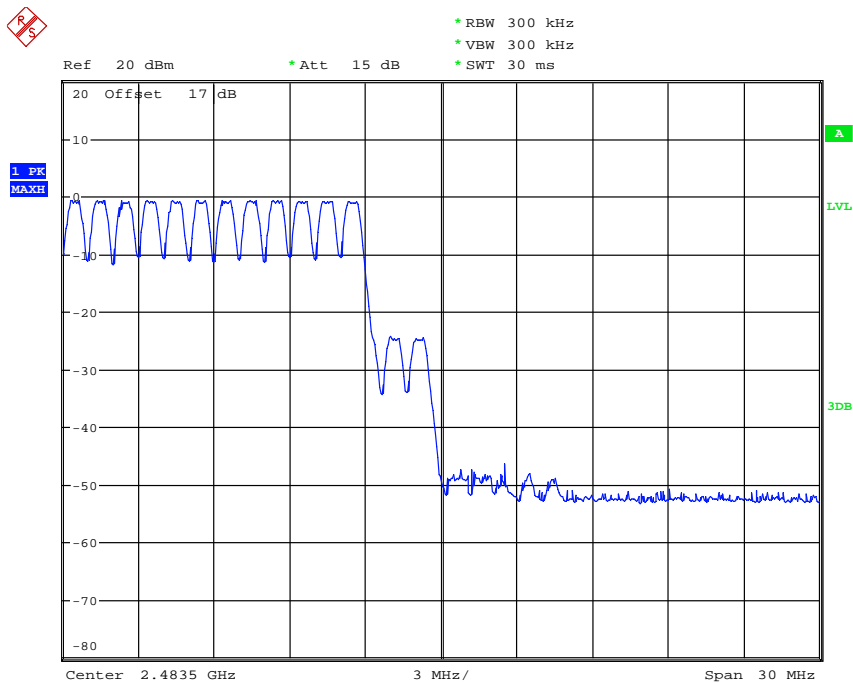


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

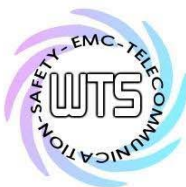


NUMBER OF HOPPING CH14-66  
Date: 23.AUG.2016 16:08:19



NUMBER OF HOPPING CH67-78  
Date: 23.AUG.2016 16:07:11





Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

**Limits:**

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

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

**3.7.1 Pseudorandom Frequency Hopping Sequence**

The generation of the hopping sequence is determined by the Bluetooth core specification and complies with the FCC requirements.

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

According to the Bluetooth core specification such a coordination is not possible. During scatternet function only one of the two hopping sequences will be used at a definite moment.

**3.7.3 System Receiver Hopping Capability**

According to the Bluetooth core specification. The system receivers shift frequencies in synchronization with the transmitted signals.



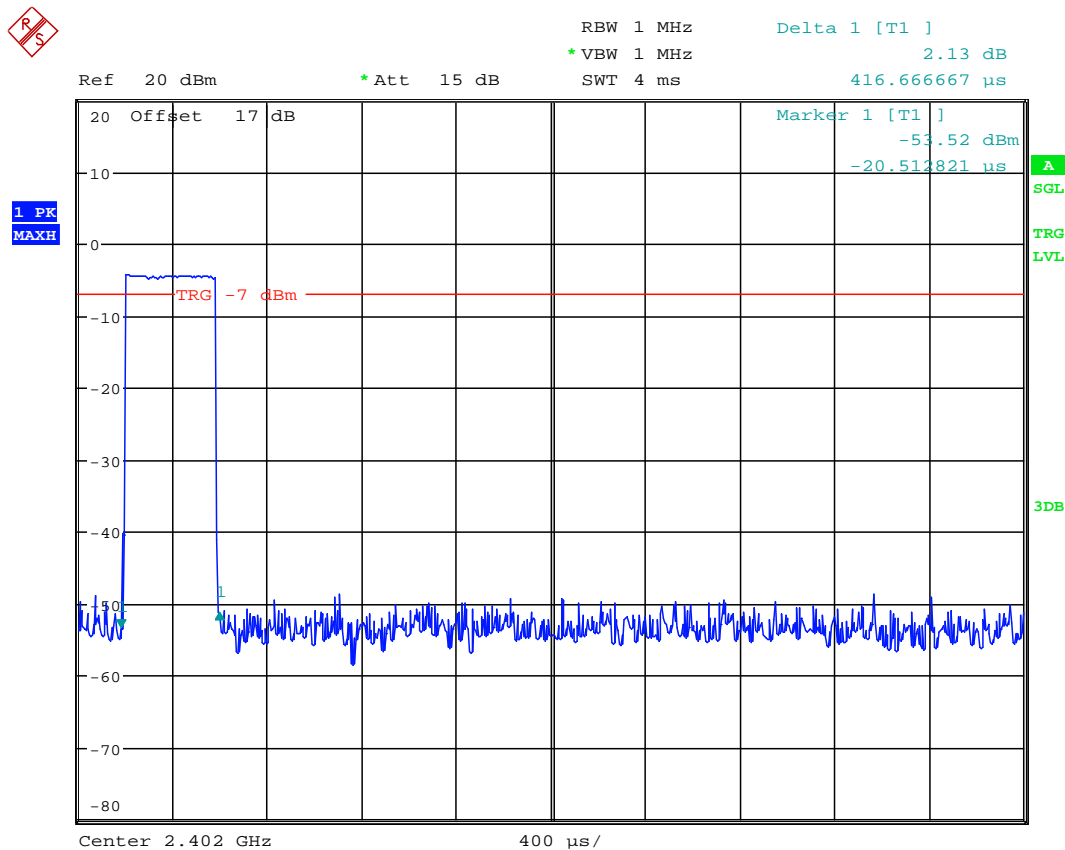
Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

## 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.

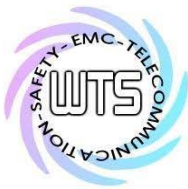
In 2400-2483.5 MHz band the average time of occupancy on any channel shall not be greater than 0.4 seconds multiplied by the number of hopping channels employed.

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 be 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.



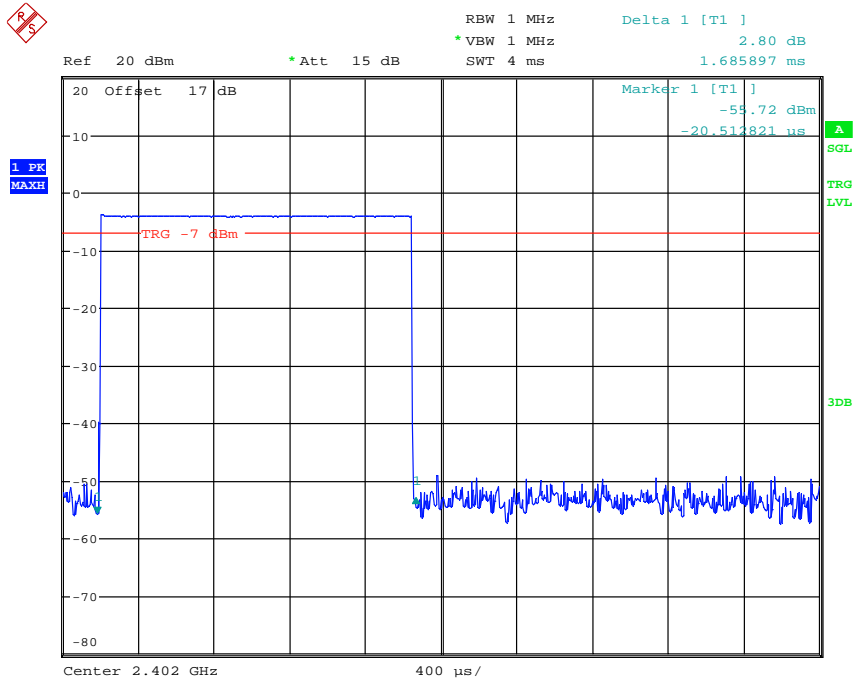
DWELL TIME DH1 CH0 ( 0.417ms \* 320events = 133.44ms )

Date: 23.AUG.2016 16:39:01

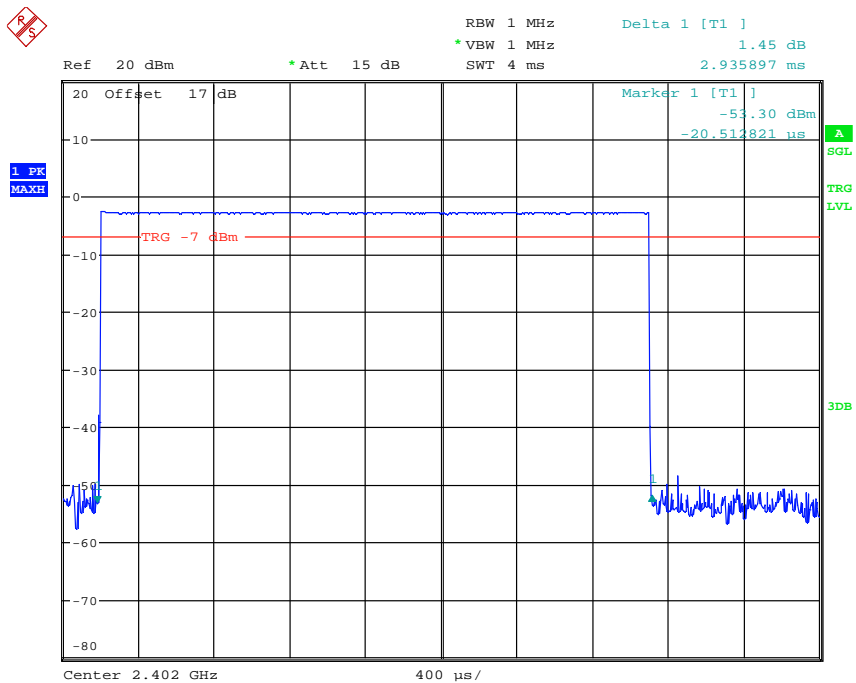


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30



DWELL TIME DH3 CH0 ( 1.686ms \* 160events = 269.76ms )  
Date: 23.AUG.2016 16:43:59

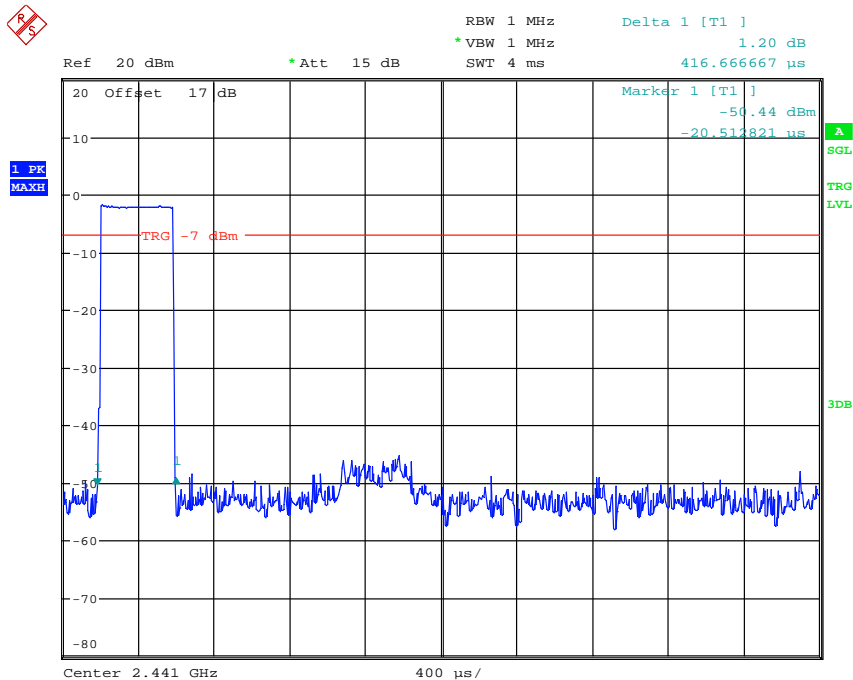


DWELL TIME DH5 CH0 ( 1.686ms \* 160events = 269.76ms )  
Date: 23.AUG.2016 16:44:46



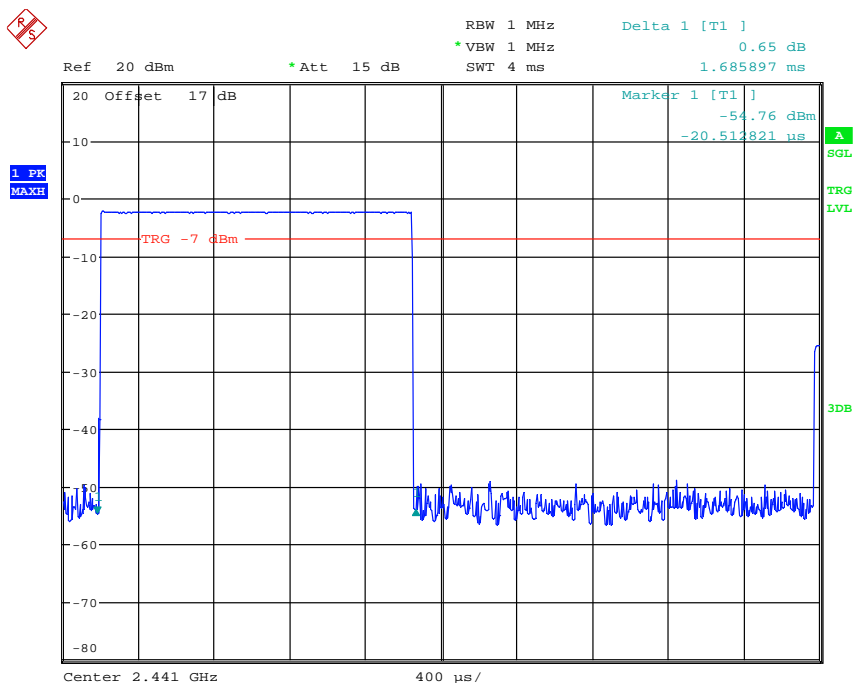
# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30



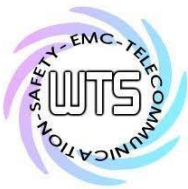
DWELL TIME DH1 CH39 ( 0.417ms \* 320events = 133.44ms )

Date: 23.AUG.2016 16:39:45



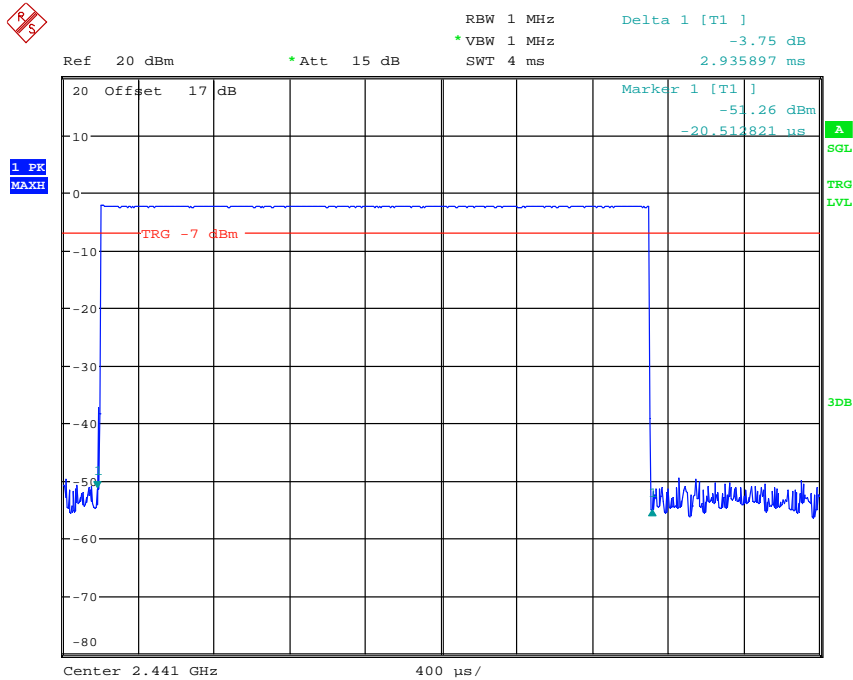
DWELL TIME DH3 CH39 ( 1.686ms \* 160events = 269.76ms )

Date: 23.AUG.2016 16:43:24

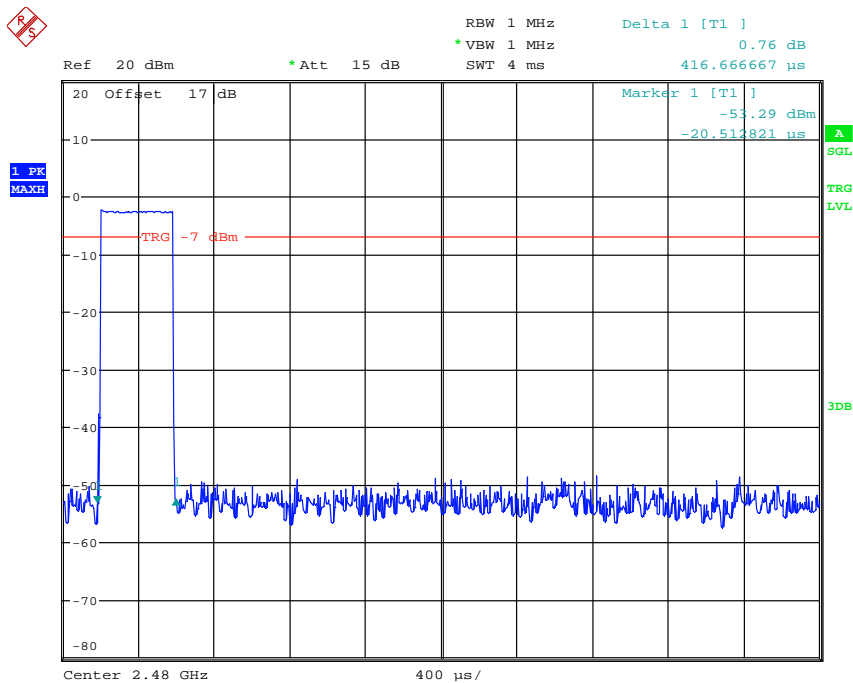


# Worldwide Testing Services(Taiwan) Co., Ltd.

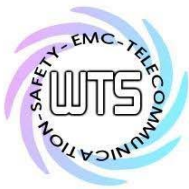
Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30



DWELL TIME DH5 CH39 ( 1.686ms \* 160events = 269.76ms )  
Date: 23.AUG.2016 16:45:18

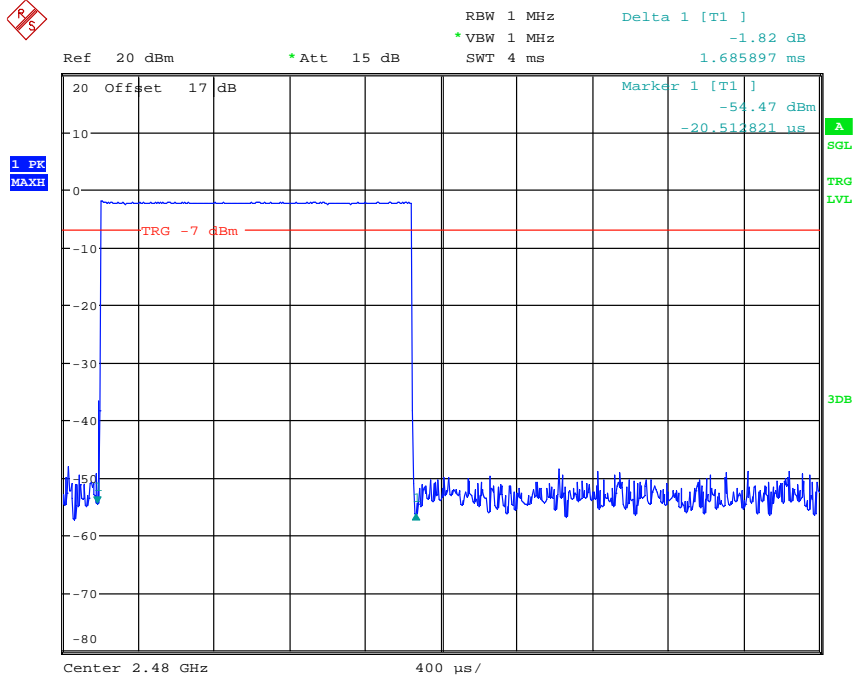


DWELL TIME DH1 CH78 ( 0.417ms \* 320events = 133.44ms )  
Date: 23.AUG.2016 16:40:58

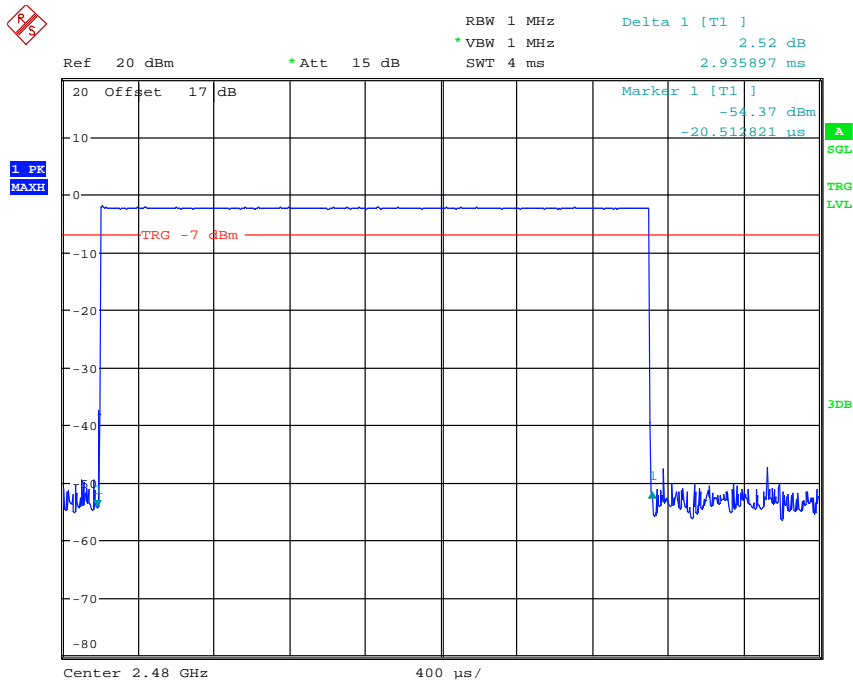


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30



DWELL TIME DH3 CH78 ( 1.686ms \* 160events = 269.76ms )  
 Date: 23.AUG.2016 16:42:58



DWELL TIME DH5 CH78 ( 1.686ms \* 160events = 269.76ms )  
 Date: 23.AUG.2016 16:47:02



Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

**Limits and measurement periods:**

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

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



Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

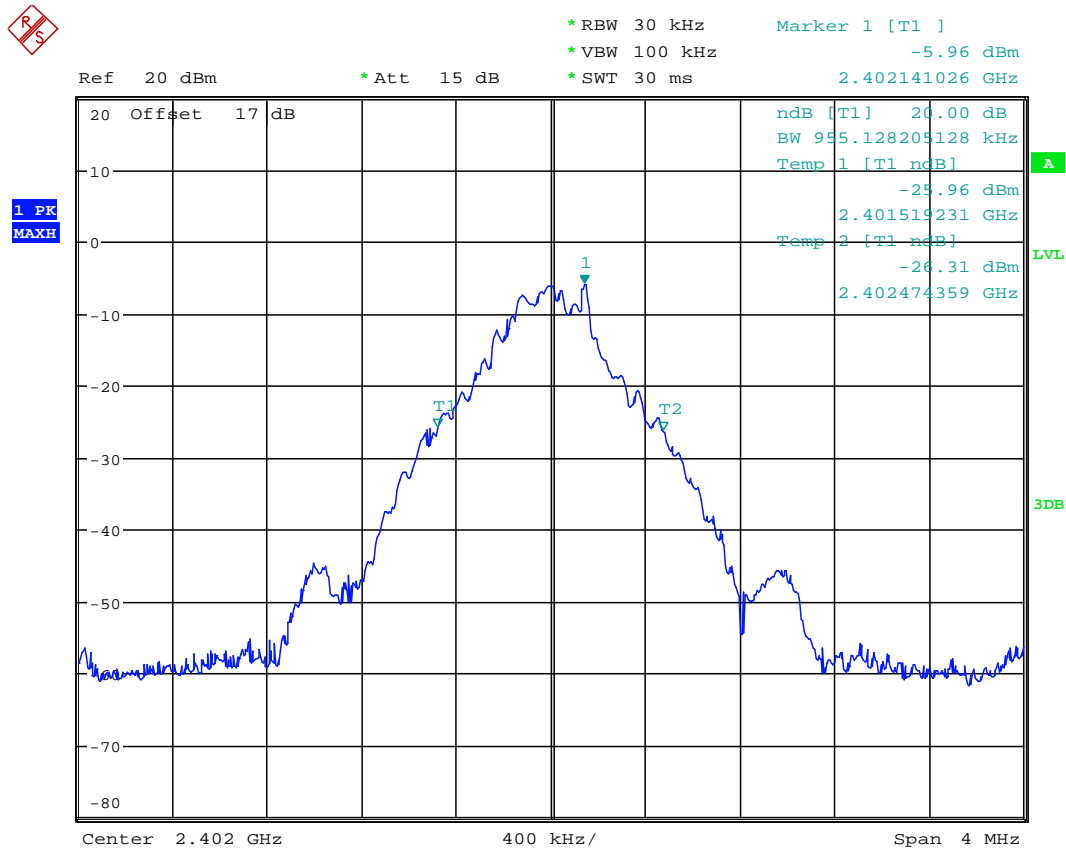
### 3.9 20dB Bandwidth

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.

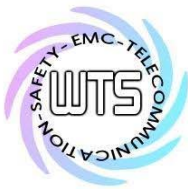
Normal mode



20DB BANDWIDTH CH0

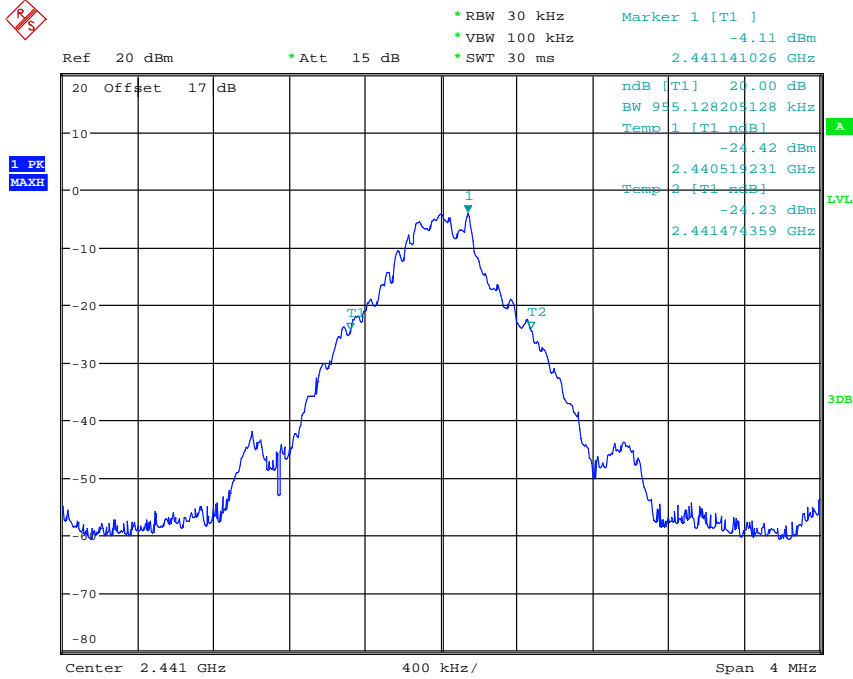
Date: 23.AUG.2016 16:02:43



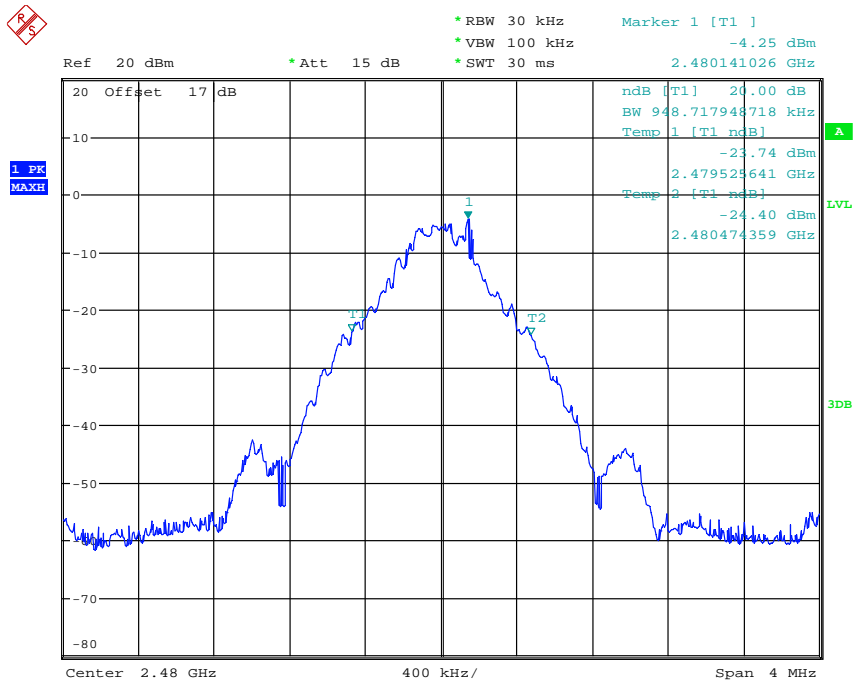


# Worldwide Testing Services(Taiwan) Co., Ltd.

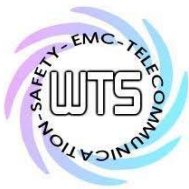
Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30



20DB BANDWIDTH CH39  
 Date: 23.AUG.2016 16:03:51

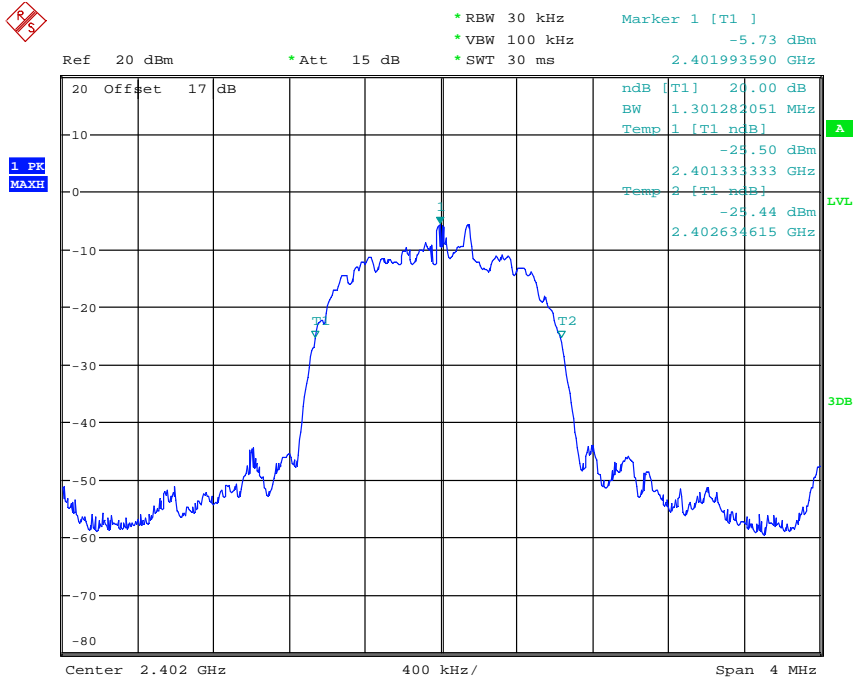


20DB BANDWIDTH CH78  
 Date: 23.AUG.2016 16:04:43

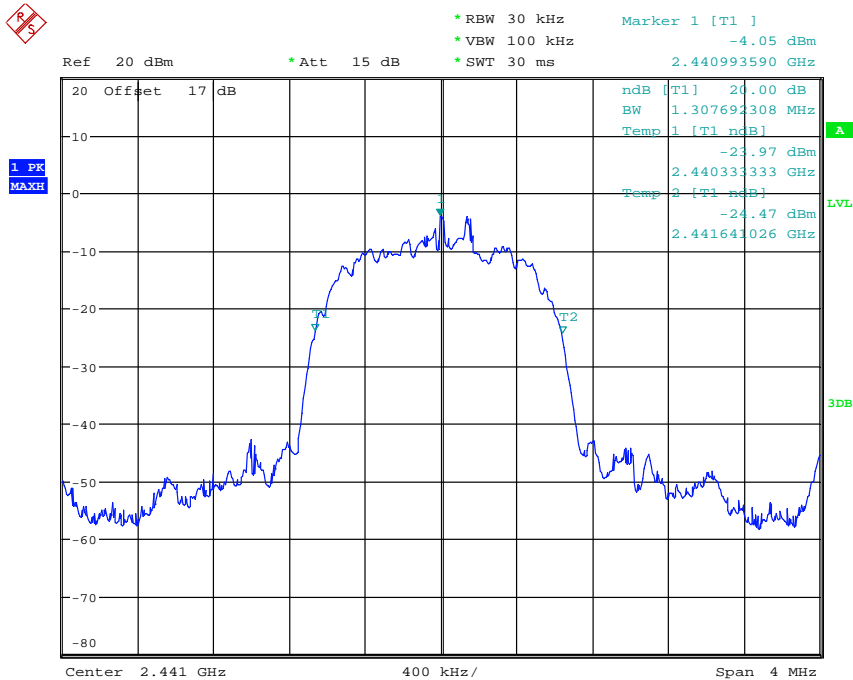


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30  
 EDR mode



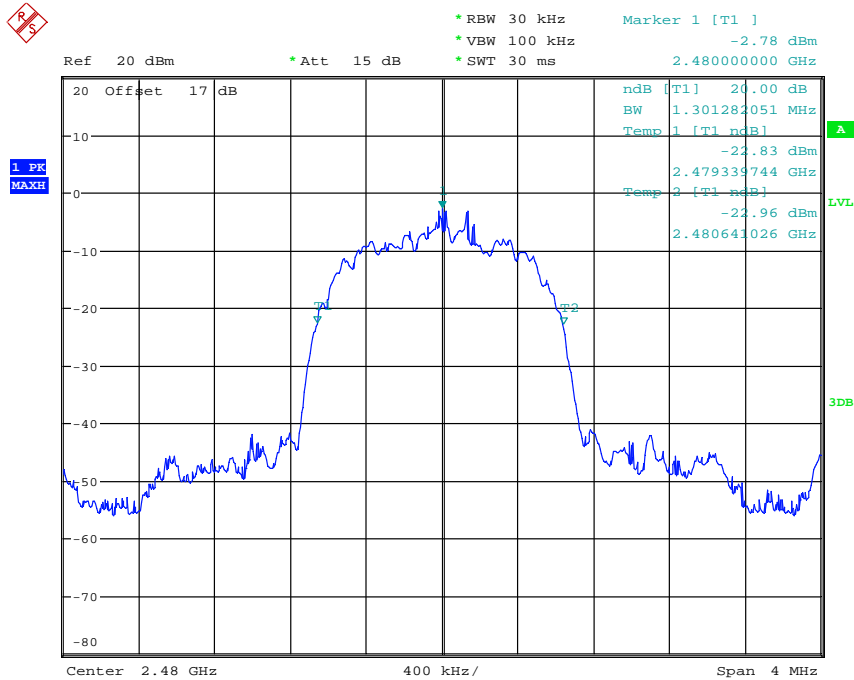
20DB BANDWIDTH CH0 EDR MODE  
 Date: 23.AUG.2016 16:11:43



20DB BANDWIDTH CH39 EDR MODE  
 Date: 23.AUG.2016 16:13:31



Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30



20DB BANDWIDTH CH78 EDR MODE  
 Date: 23.AUG.2016 16:19:03

**Limits:**

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

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

**3.9.1 System Receiver Input Bandwidth**

It is determined in the Bluetooth core specification. The value matches to the bandwidth of transmitter signal.



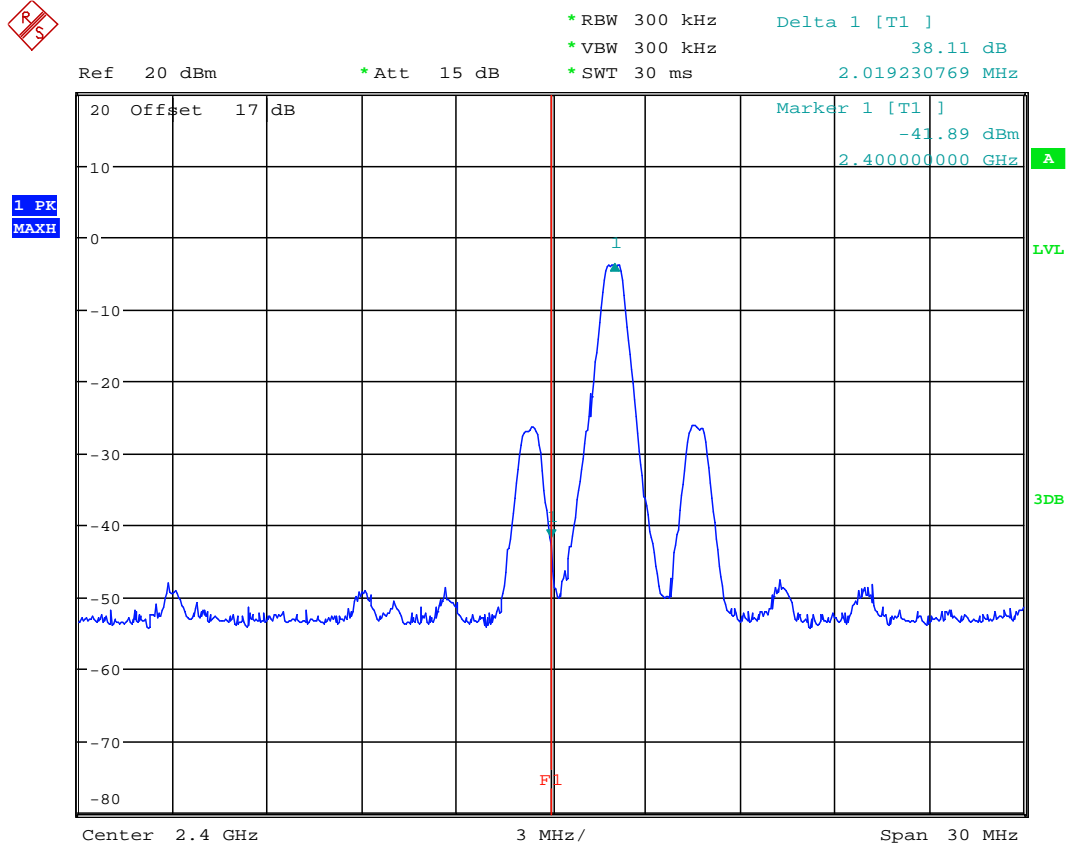
Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

## 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.

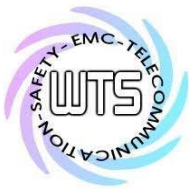
In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

Normal mode



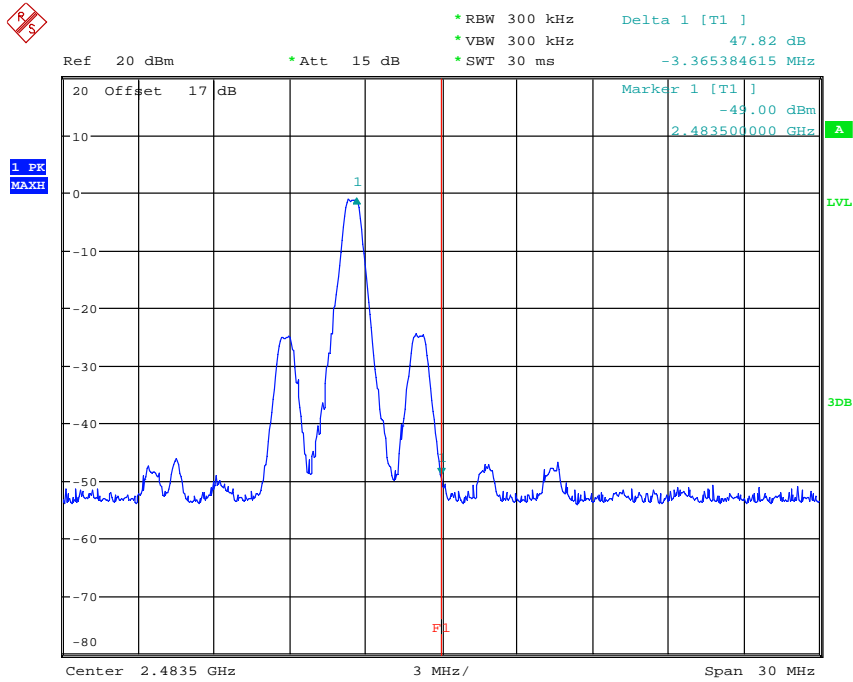
BANDEDGE CH0

Date: 23.AUG.2016 16:02:55

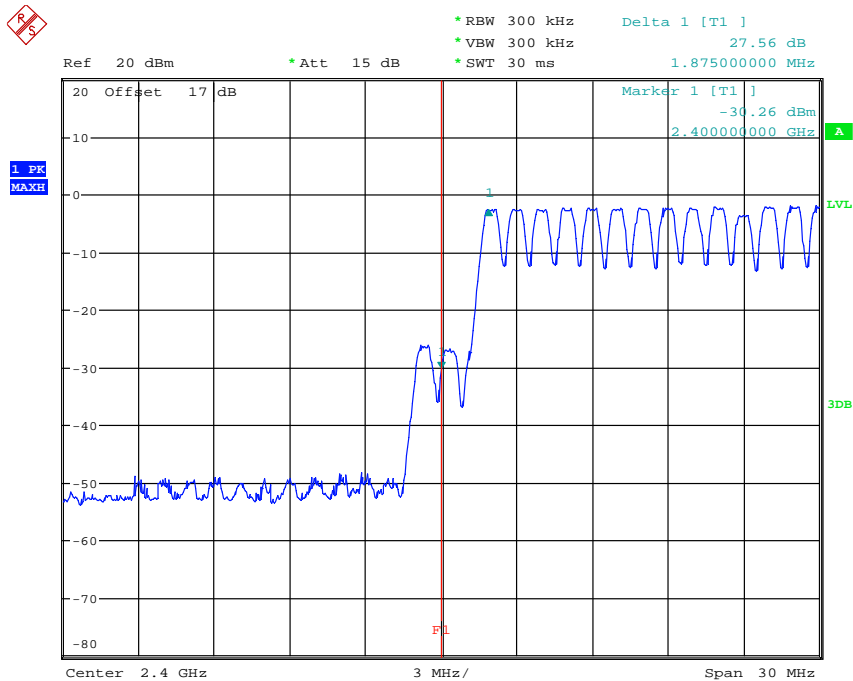


# Worldwide Testing Services(Taiwan) Co., Ltd.

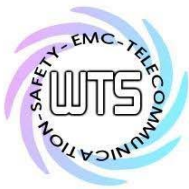
Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30



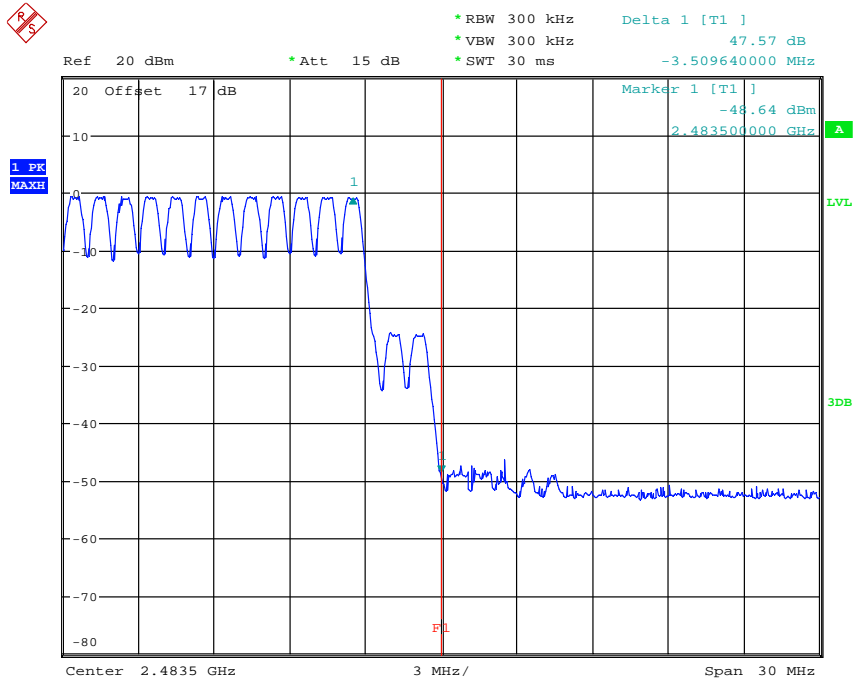
BANDEDGE CH78  
Date: 23.AUG.2016 16:04:51



BANDEDGE CH0 HOPPING MODE  
Date: 23.AUG.2016 16:06:32

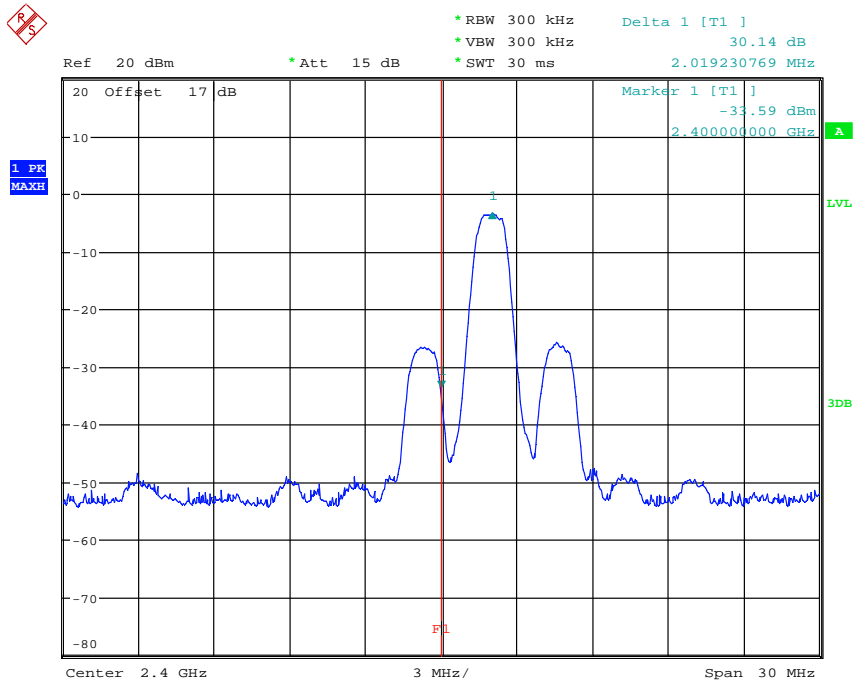


Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

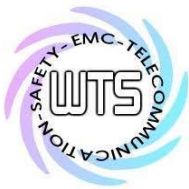


BANDEDGE CH78 HOPPING MODE  
Date: 23.AUG.2016 16:07:12

## EDR mode

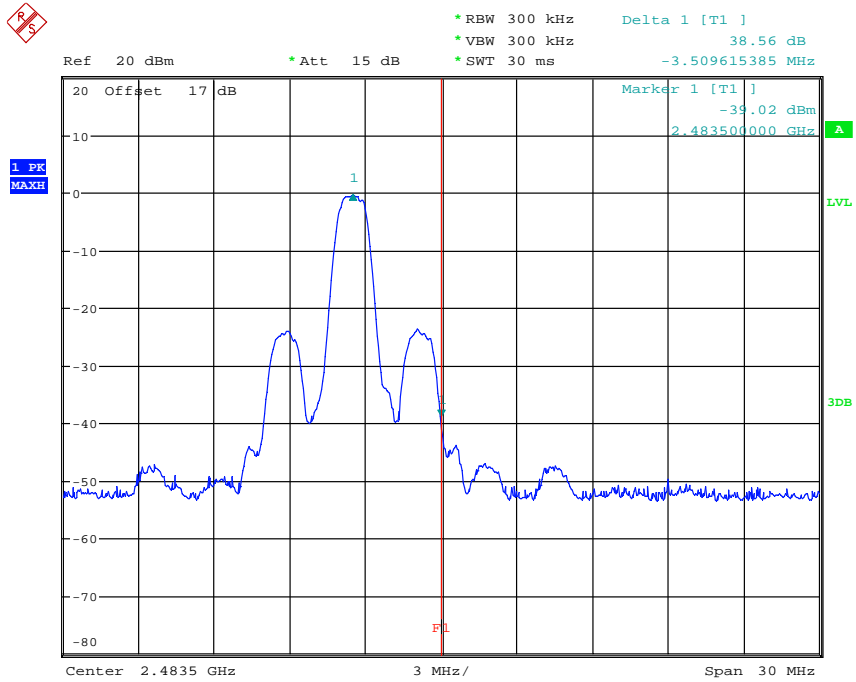


BANDEDGE CH0 EDR MODE  
Date: 23.AUG.2016 16:11:51

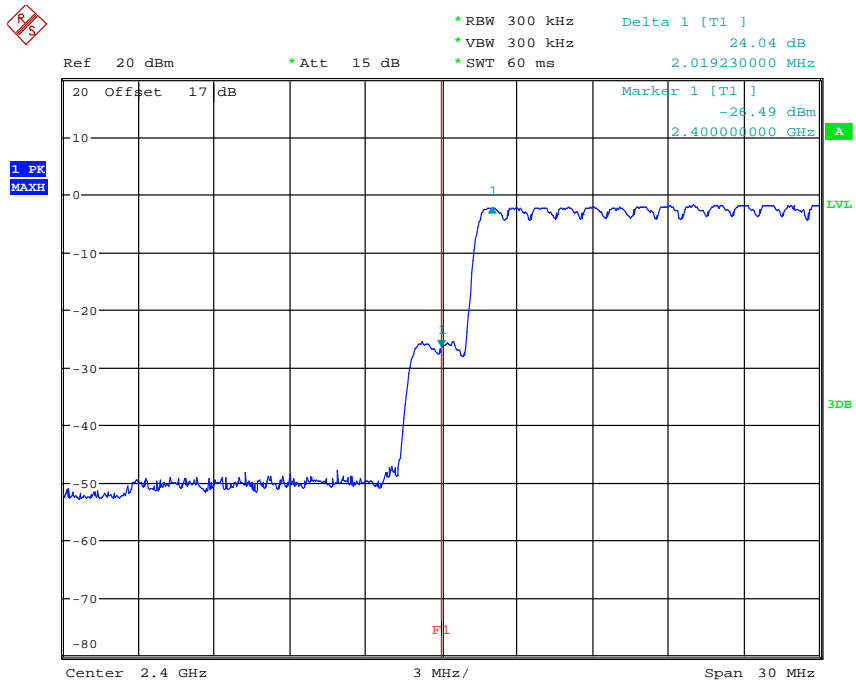


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30



BANDEDGE CH78 EDR MODE  
Date: 23.AUG.2016 16:19:15

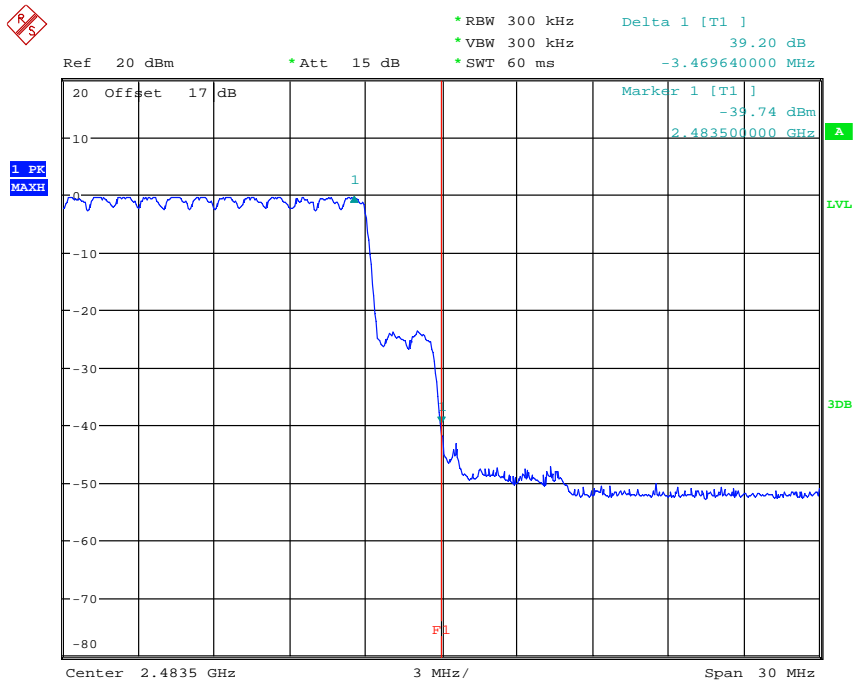


BANDEDGE CH0 EDR HOPPING MODE  
Date: 23.AUG.2016 16:22:39



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

Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30



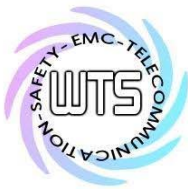
BANDEDGE CH78 EDR HOPPING MODE  
 Date: 23.AUG.2016 16:24:23

## Limits:

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

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





Registration number: W6M21608-16104-C-1

FCC ID: 2AJMEFANAL30

**3.11 Radiated Emissions from Digital Part**

FCC Rule: 15.109

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

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

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

Explanation: The test results are listed in the separated test report no.: W6M21608-16104-P-15B.

Test equipment used: ETSTW-RE 055, ETSTW-RE 064, ETSTW-RE 004, ETSTW-RE 030  
ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147

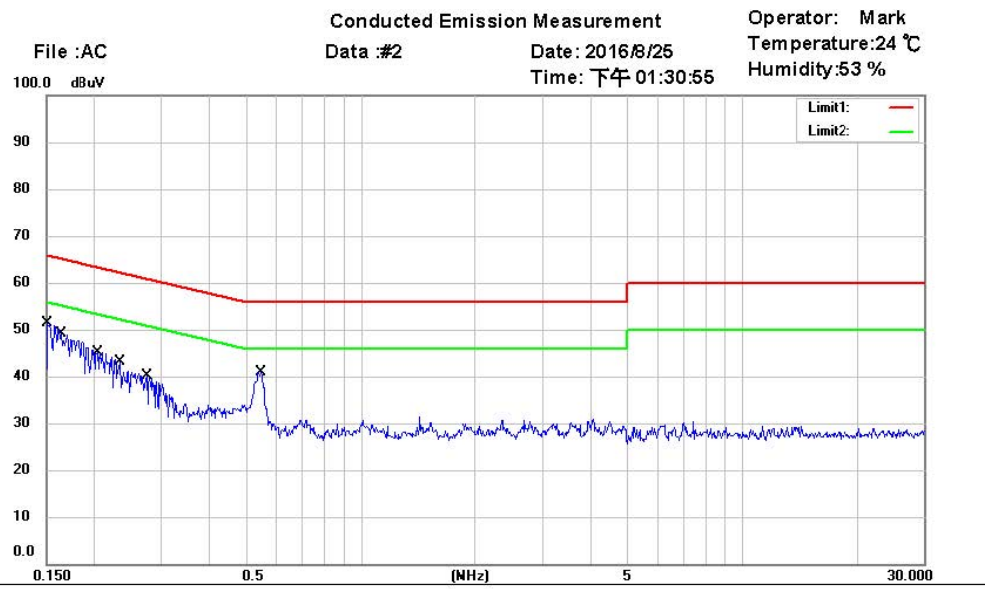


Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30

## 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.



File : AC  
 Data : #2  
 Date : 2016/8/25  
 Time: 下午 01:30:55  
 Operator: Mark  
 Temperature: 24 °C  
 Humidity: 53 %

Site : Chamber\_03  
 Condition : FCC Part 15 Class B Conduction (QP)  
 EUT : W6M21608-16104  
 M/N:  
 Test Mode :  
 Note :

Phase: N  
 Power: 120 V.a.c.

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1505	35.09	QP	9.74	44.83	65.97	-21.14	
	0.1505	11.95	AVG	9.74	21.69	55.97	-34.28	
	0.1637	33.70	QP	9.74	43.44	65.27	-21.83	
	0.1637	11.26	AVG	9.74	21.00	55.27	-34.27	
	0.2044	29.02	QP	9.73	38.75	63.43	-24.68	
	0.2044	10.27	AVG	9.73	20.00	53.43	-33.43	
	0.2336	26.64	QP	9.73	36.37	62.32	-25.95	
	0.2336	11.71	AVG	9.73	21.44	52.32	-30.88	
	0.2754	23.20	QP	9.72	32.92	60.95	-28.03	
	0.2754	10.39	AVG	9.72	20.11	50.95	-30.84	
*	0.5472	26.30	QP	9.73	36.03	56.00	-19.97	
	0.5472	16.05	AVG	9.73	25.78	46.00	-20.22	

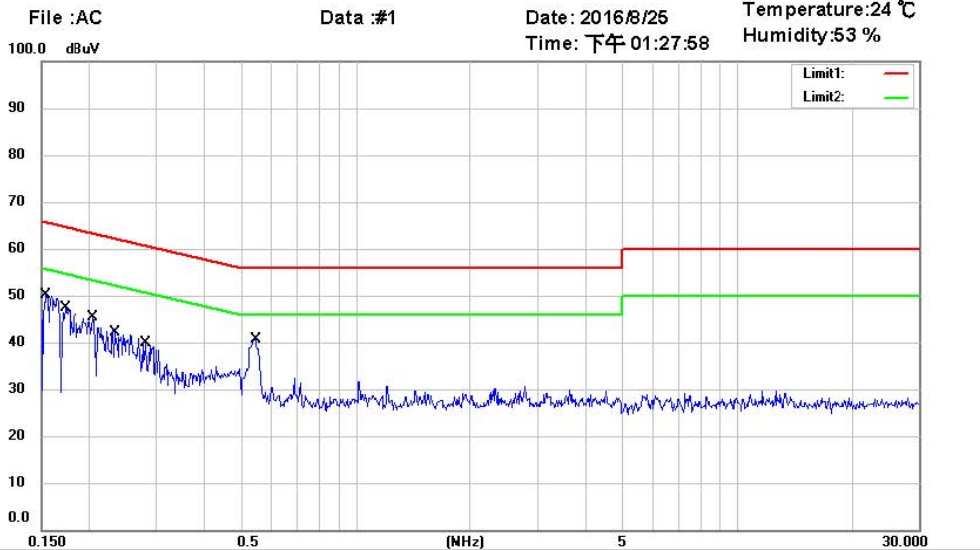


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21608-16104-C-1  
 FCC ID: 2AJMEFANAL30

Conducted Emission Measurement

Operator: Mark  
 Temperature: 24 °C  
 Humidity: 53 %



File : AC  
 Data : #1  
 Date : 2016/8/25  
 Time : 下午 01:27:58

Site : Chamber\_03  
 Condition : FCC Part 15 Class B Conduction (QP)  
 EUT : W6M21608-16104  
 M/N:  
 Test Mode :  
 Note :

Phase : L1  
 Power : 120 V.a.c.

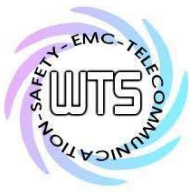
Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1537	35.17	QP	9.74	44.91	65.80	-20.89	
	0.1537	13.05	AVG	9.74	22.79	55.80	-33.01	
	0.1730	32.22	QP	9.74	41.96	64.82	-22.86	
	0.1730	10.74	AVG	9.74	20.48	54.82	-34.34	
	0.2050	28.94	QP	9.73	38.67	63.41	-24.74	
	0.2050	10.74	AVG	9.73	20.47	53.41	-32.94	
	0.2342	27.04	QP	9.73	36.77	62.30	-25.53	
	0.2342	12.80	AVG	9.73	22.53	52.30	-29.77	
	0.2811	24.10	QP	9.72	33.82	60.78	-26.96	
	0.2811	11.61	AVG	9.72	21.33	50.78	-29.45	
	0.5450	28.21	QP	9.73	37.94	56.00	-18.06	
*	0.5450	18.23	AVG	9.73	27.96	46.00	-18.04	

## Limits:

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

- Note:**
- The formula of measured value as: Test Result = Reading + Correction Factor
  - The Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss
  - 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 = ±1.67 dB; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
  - Up Line: QP Limit Line, Down Line: Ave Limit Line.

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



Registration number: W6M21608-16104-C-1  
FCC ID: 2AJMEFANAL30

## **Appendix**

### **Measurement diagrams**

Spurious Emissions radiated\_TX



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

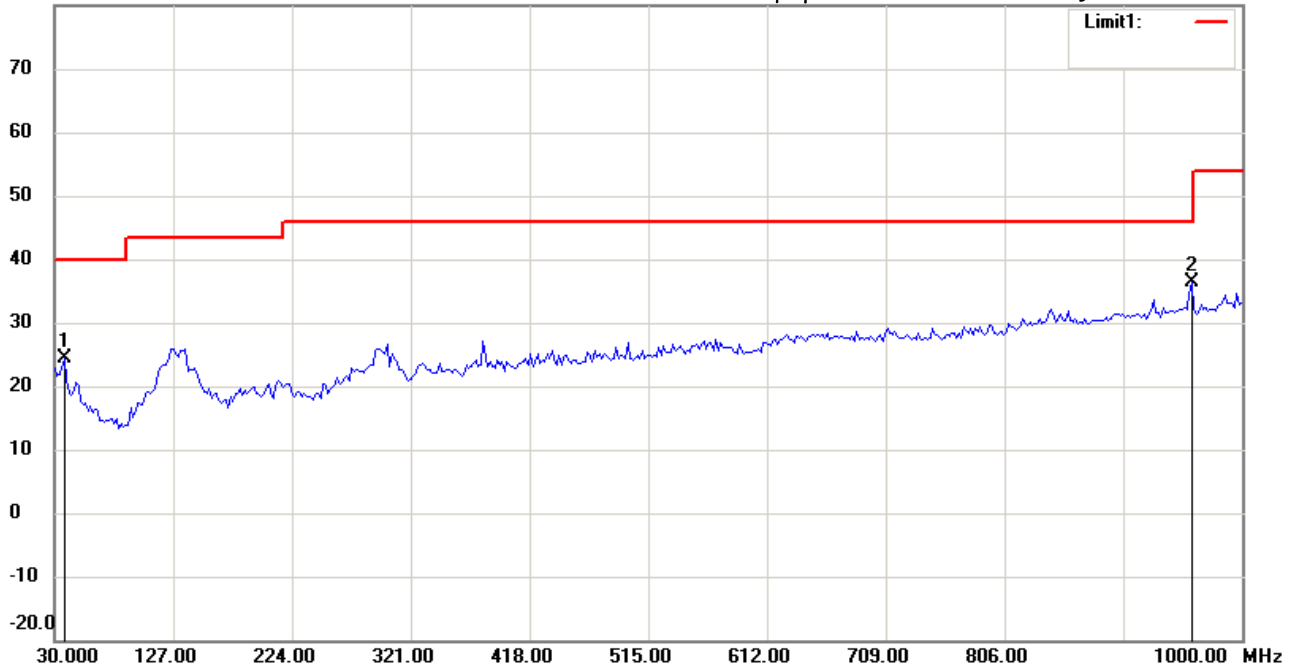
Date: 2016/8/17

Temperature:24 °C

80.0 dBuV/m

Time: 下午 10:33:02

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 V.a.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
	37.7754	32.16	peak	-7.87	24.29	40.00	100	95	-15.71	
*	959.1784	30.80	peak	5.69	36.49	46.00	100	60	-9.51	



Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

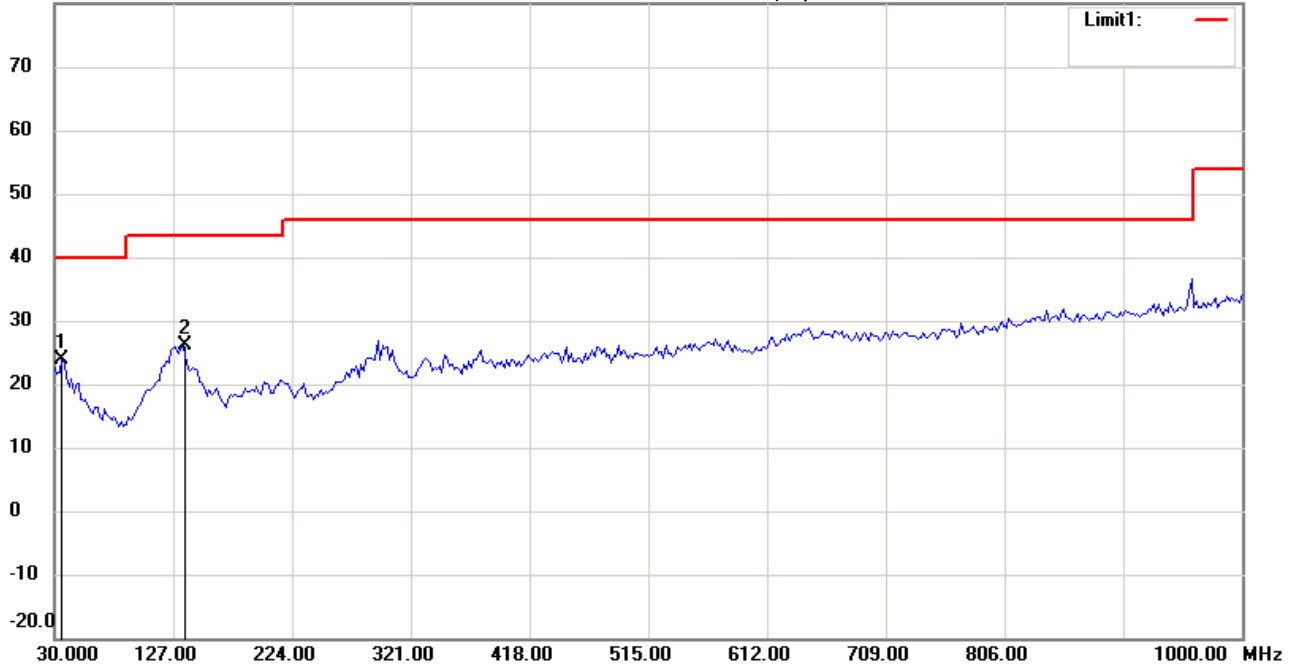
Date: 2016/8/17

Temperature:24 °C

80.0 dBuV/m

Time: 下午 10:33:47

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120 V.a.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
*	35.8316	31.56	peak	-7.59	23.97	40.00	100	155	-16.03	
	134.9700	32.61	peak	-6.43	26.18	43.50	100	120	-17.32	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

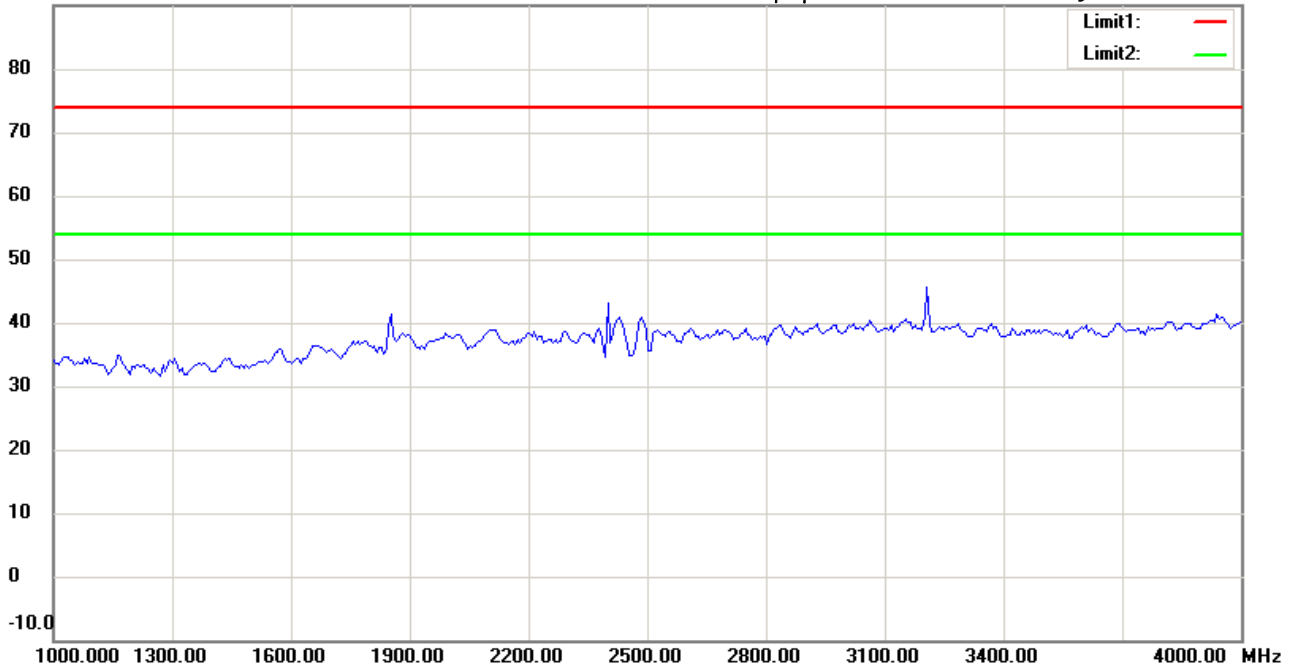
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:31:24

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

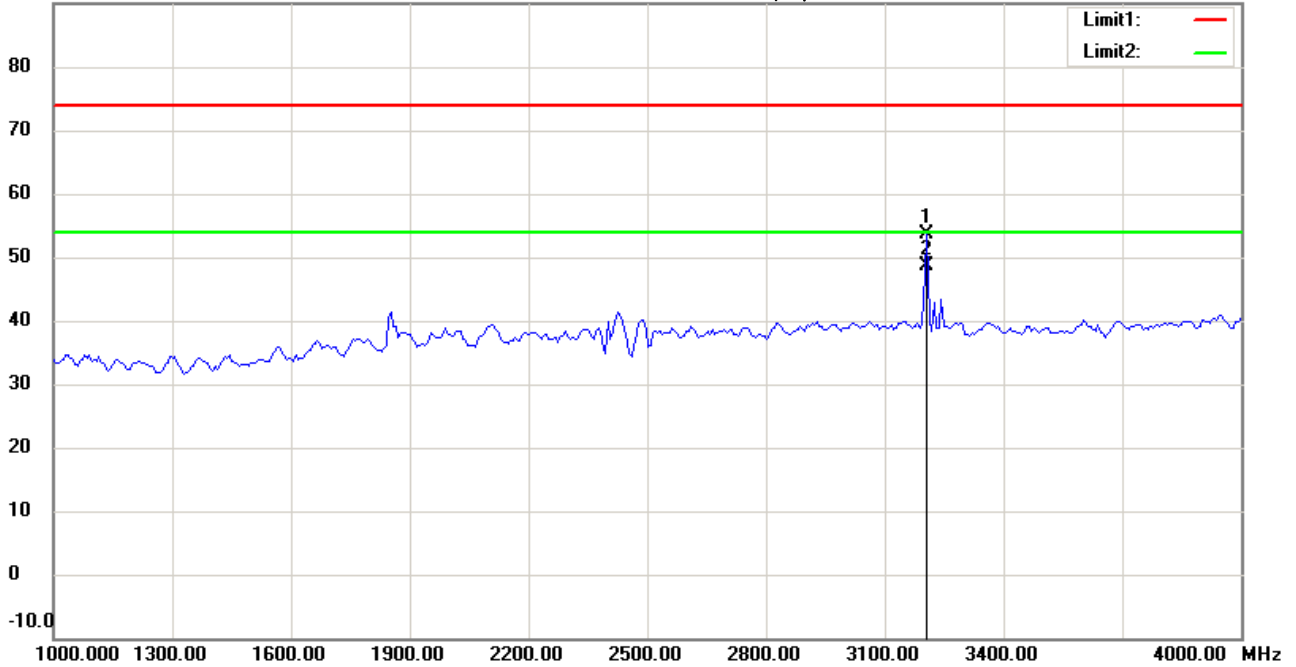
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:34:15

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3206.363	56.30	peak	-2.75	53.55	74.00	120	360	-20.45	
*	3206.363	51.38	AVG	-2.75	48.63	54.00	120	360	-5.37	





Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

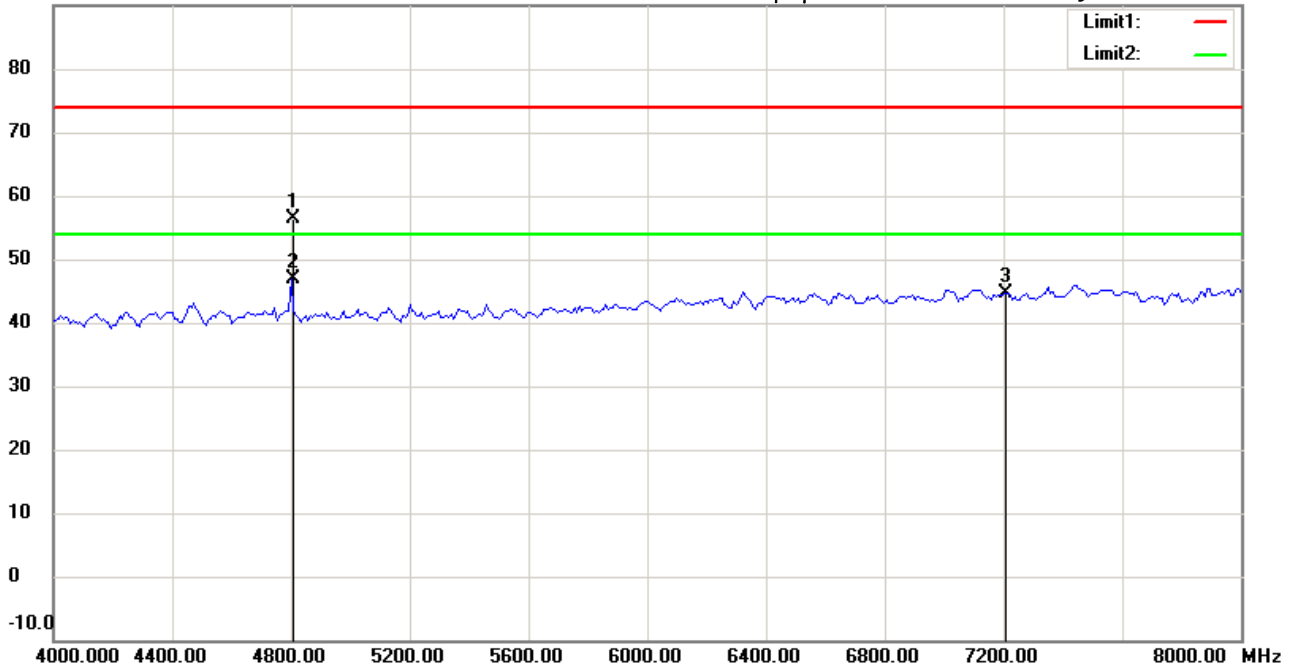
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:32:09

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
	4804.022	56.90	peak	-0.59	56.31	74.00	180	69	-17.69	
*	4804.022	47.44	AVG	-0.59	46.85	54.00	180	69	-7.15	
	7206.000	40.48	peak	4.26	44.74	74.00	100	185	-29.26	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

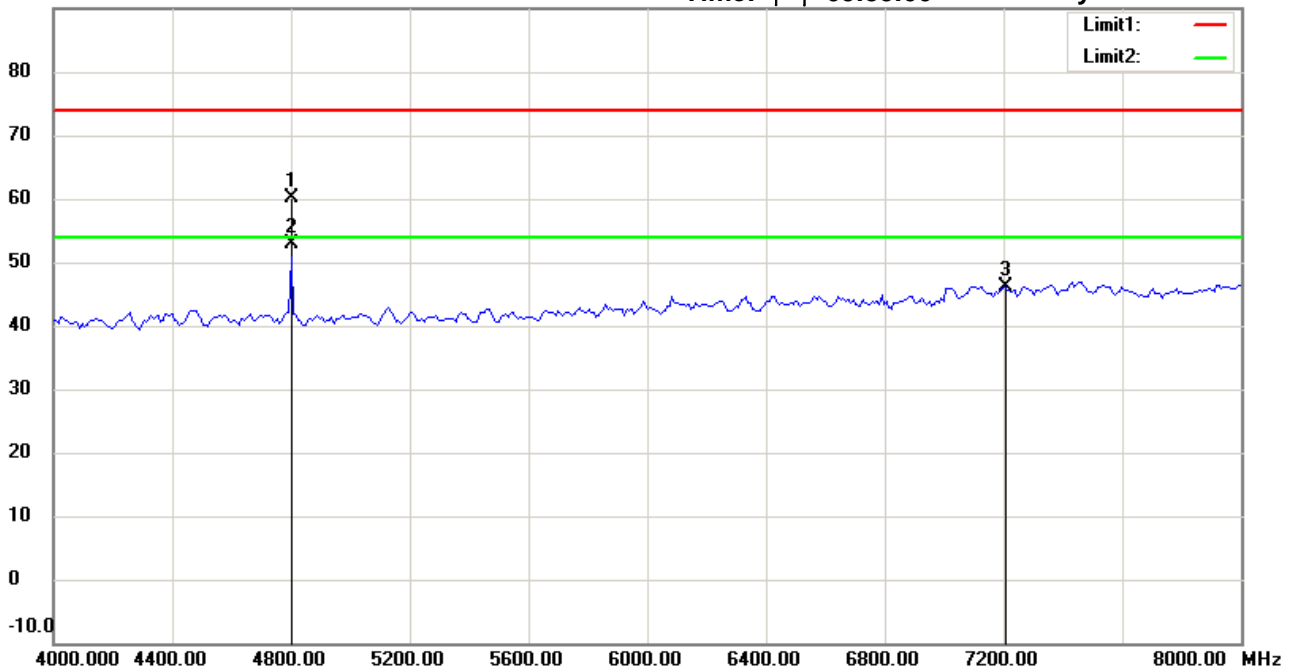
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:35:00

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4801.603	60.74	peak	-0.60	60.14	74.00	150	67	-13.86	
*	4801.603	53.45	AVG	-0.60	52.85	54.00	150	67	-1.15	
	7206.000	41.79	peak	4.26	46.05	74.00	100	135	-27.95	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

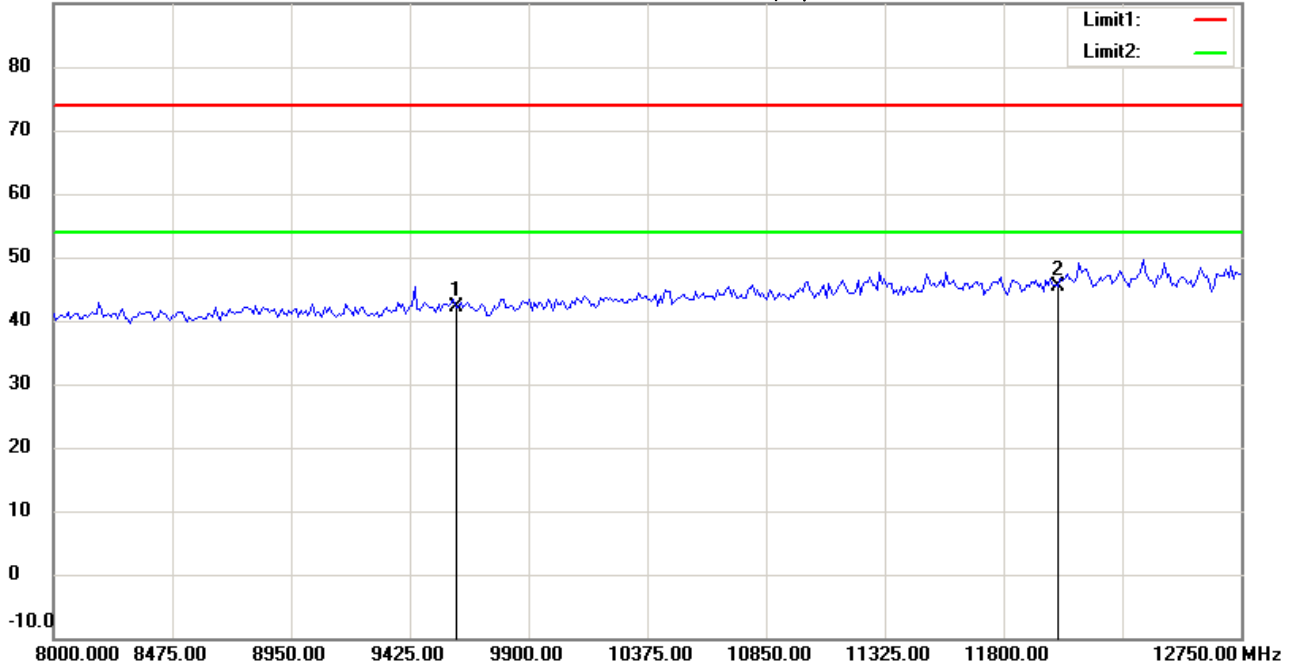
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:32:22

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	34.62	peak	7.59	42.21	74.00	100	155	-31.79	
*	12010.000	32.98	peak	12.47	45.45	74.00	100	90	-28.55	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

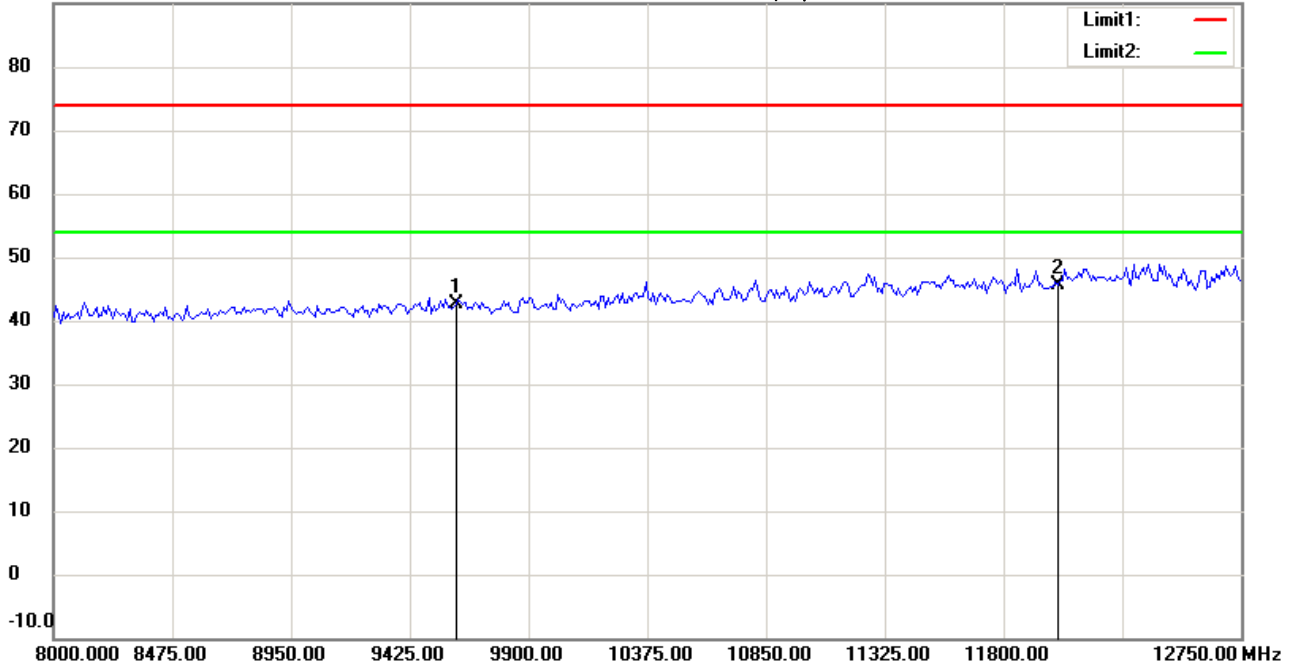
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:35:13

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	34.96	peak	7.59	42.55	74.00	100	125	-31.45	
*	12010.000	33.23	peak	12.47	45.70	74.00	100	90	-28.30	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

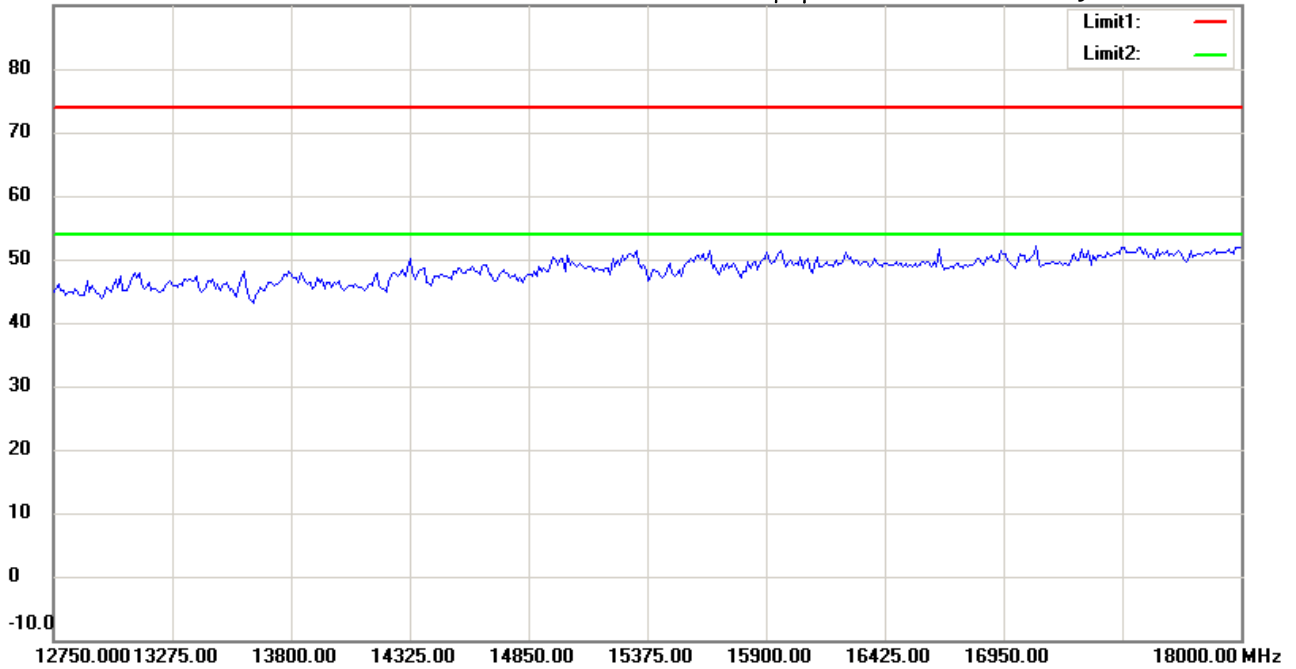
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:33:19

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :3

Data :#9

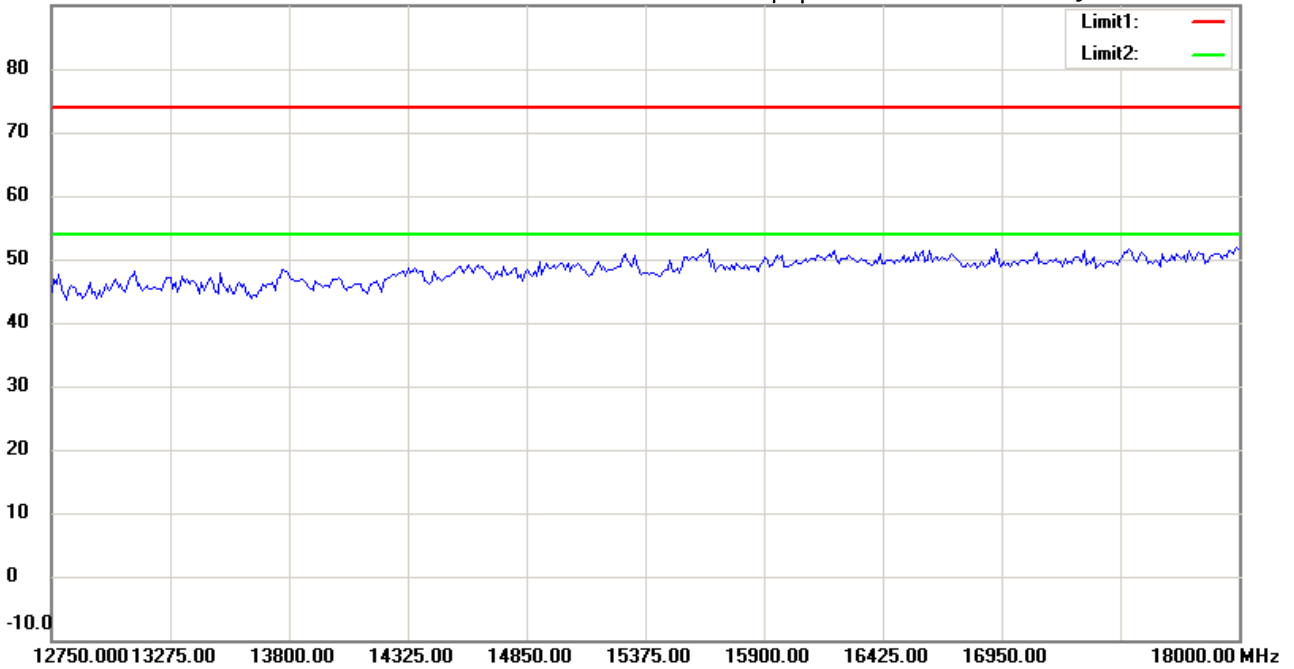
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:36:14

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

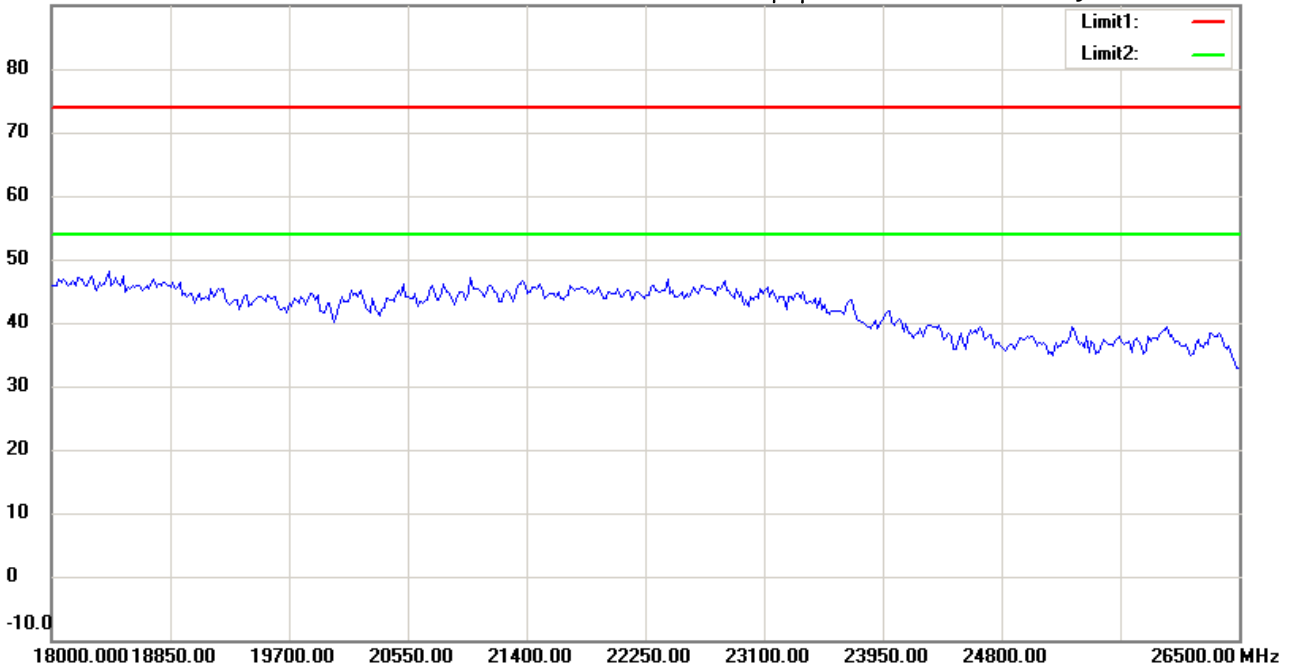
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:33:29

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

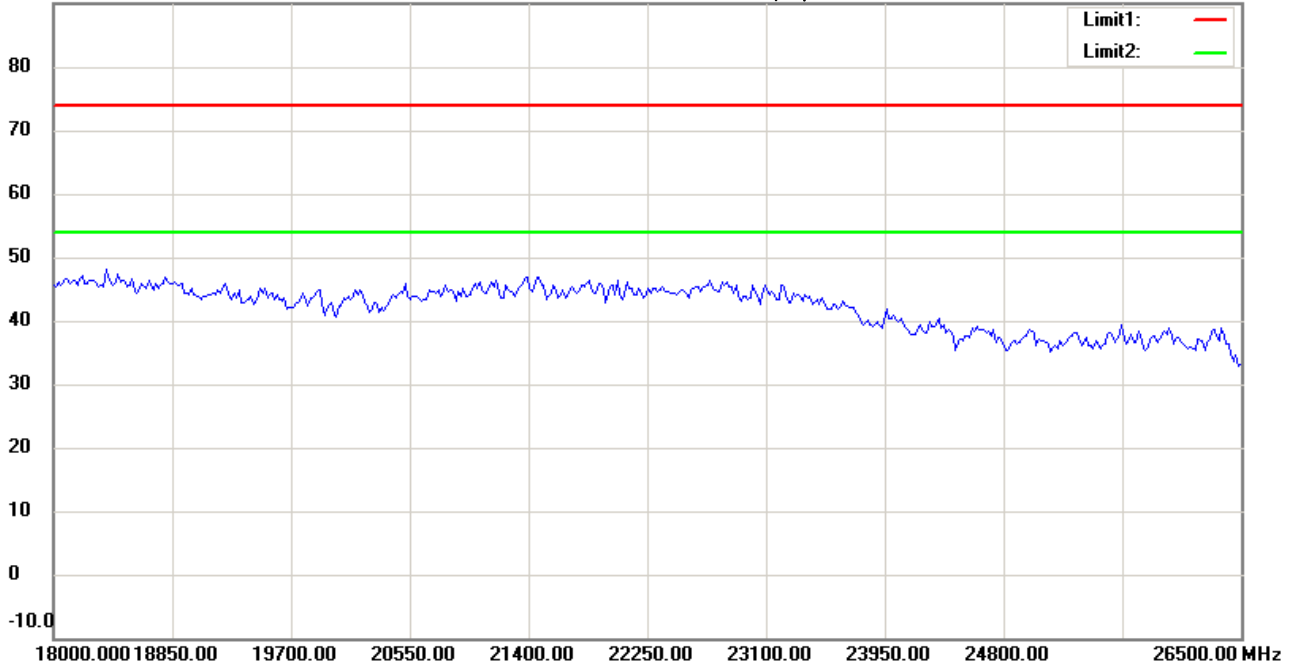
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:36:24

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------





Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

Date: 2016/8/17

Temperature:24 °C

80.0 dBuV/m

Time: 下午 10:30:53

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120 V.a.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
	298.2565	35.97	peak	-5.64	30.33	46.00	100	155	-15.67	
*	959.1784	30.97	peak	5.69	36.66	46.00	100	90	-9.34	



Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

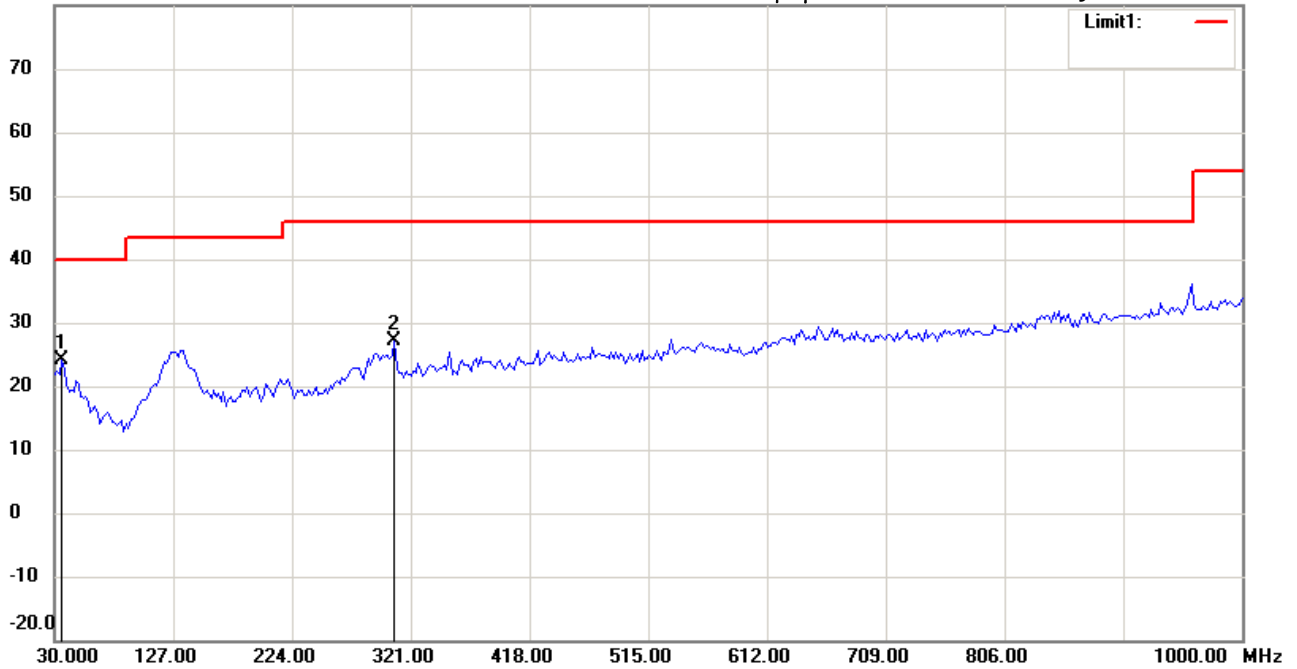
Date: 2016/8/17

Temperature:24 °C

80.0 dBuV/m

Time: 下午 10:31:37

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120 V.a.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
*	35.8316	31.80	peak	-7.59	24.21	40.00	100	35	-15.79	
	307.9760	32.56	peak	-5.44	27.12	46.00	100	60	-18.88	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

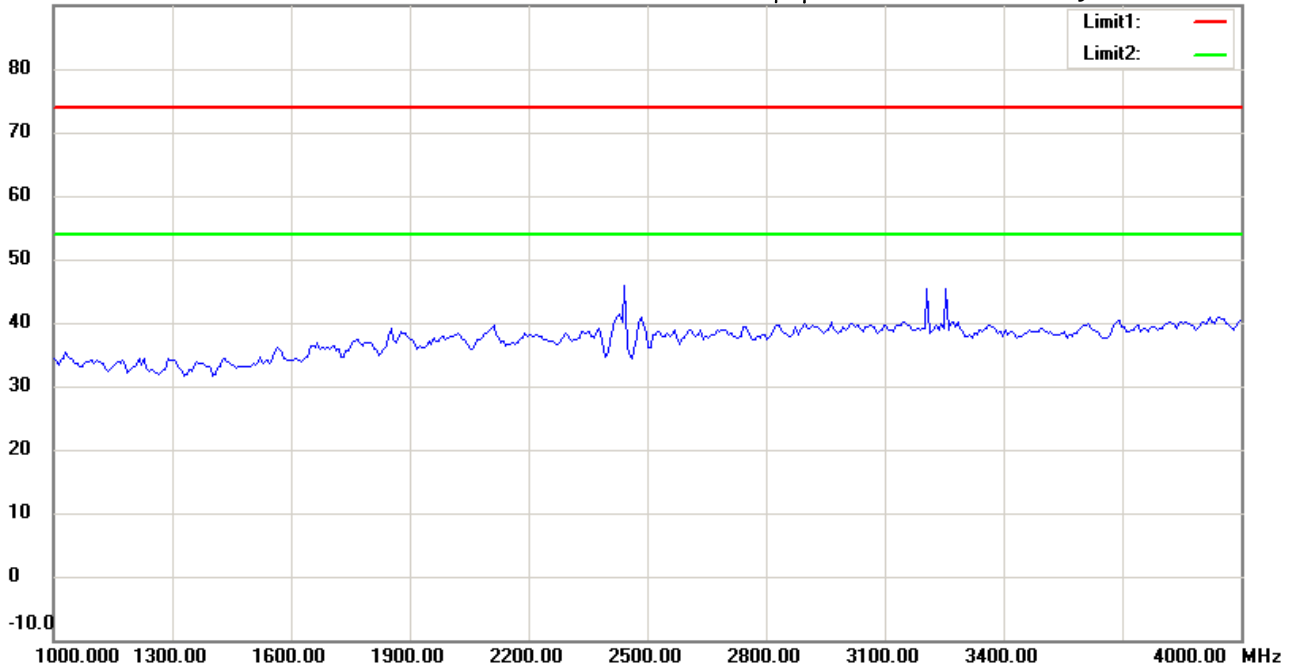
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:48:03

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

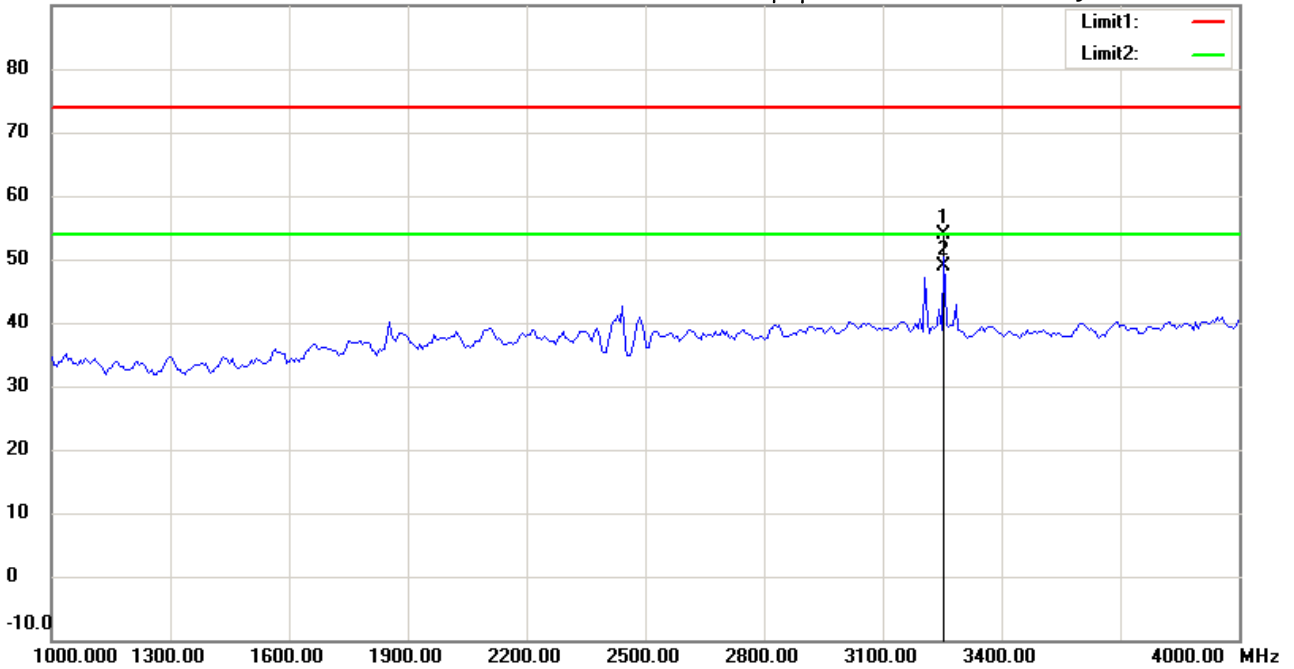
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:50:53

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	3254.509	56.79	peak	-2.82	53.97	74.00	117	10	-20.03	
*	3254.509	51.62	AVG	-2.82	48.80	54.00	117	10	-5.20	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

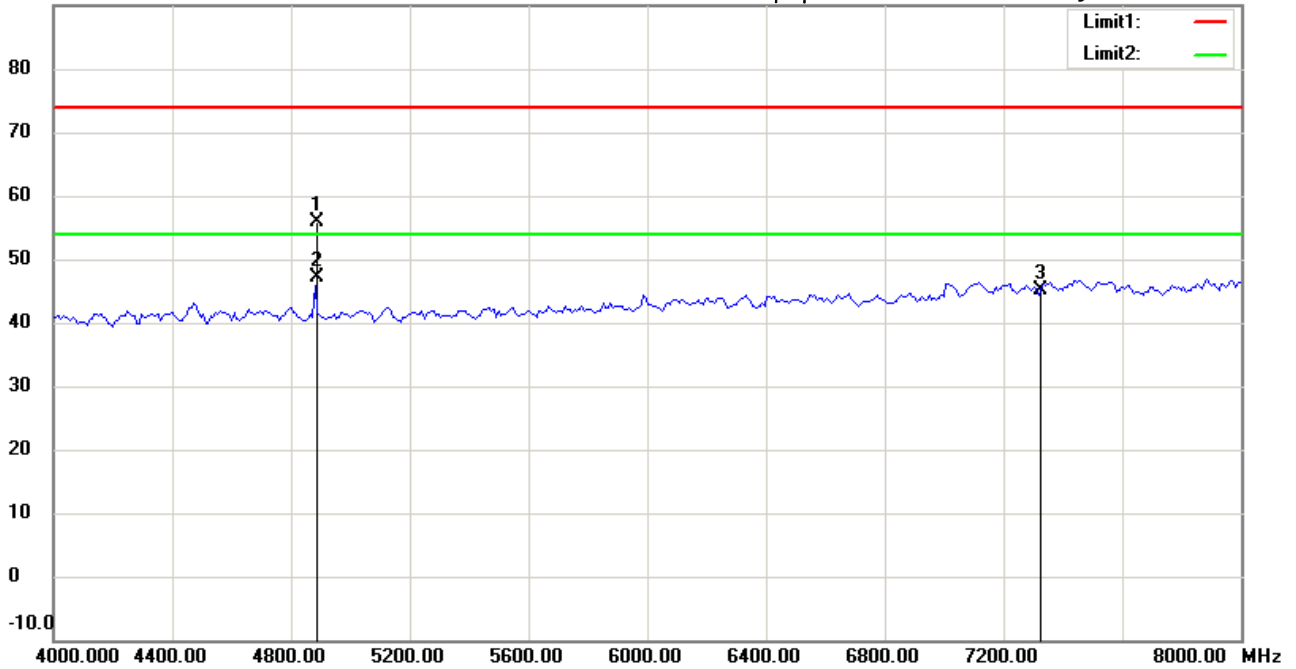
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:48:48

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	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	56.39	peak	-0.49	55.90	74.00	175	75	-18.10	
*	4881.764	47.73	AVG	-0.49	47.24	54.00	175	75	-6.76	
	7323.000	40.73	peak	4.51	45.24	74.00	100	135	-28.76	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

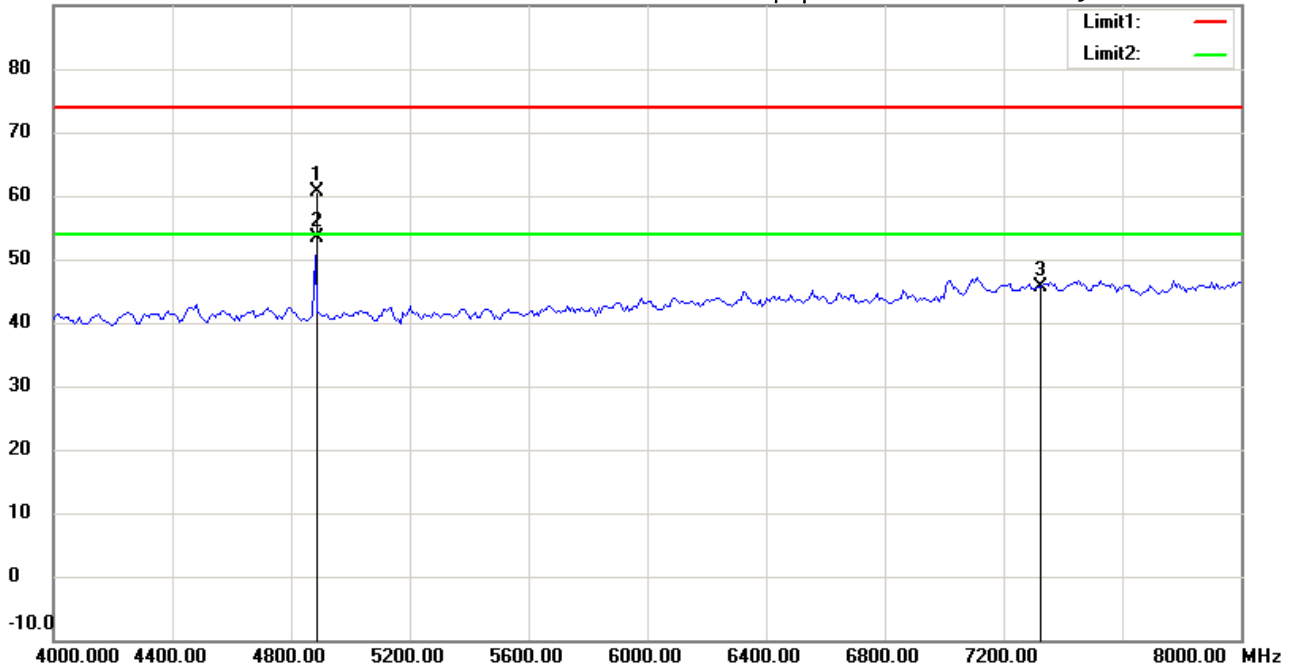
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:51:39

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120 V.a.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
	4881.764	61.23	peak	-0.49	60.74	74.00	150	72	-13.26	
*	4881.764	53.76	AVG	-0.49	53.27	54.00	150	72	-0.73	
	7323.000	41.13	peak	4.51	45.64	74.00	100	90	-28.36	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

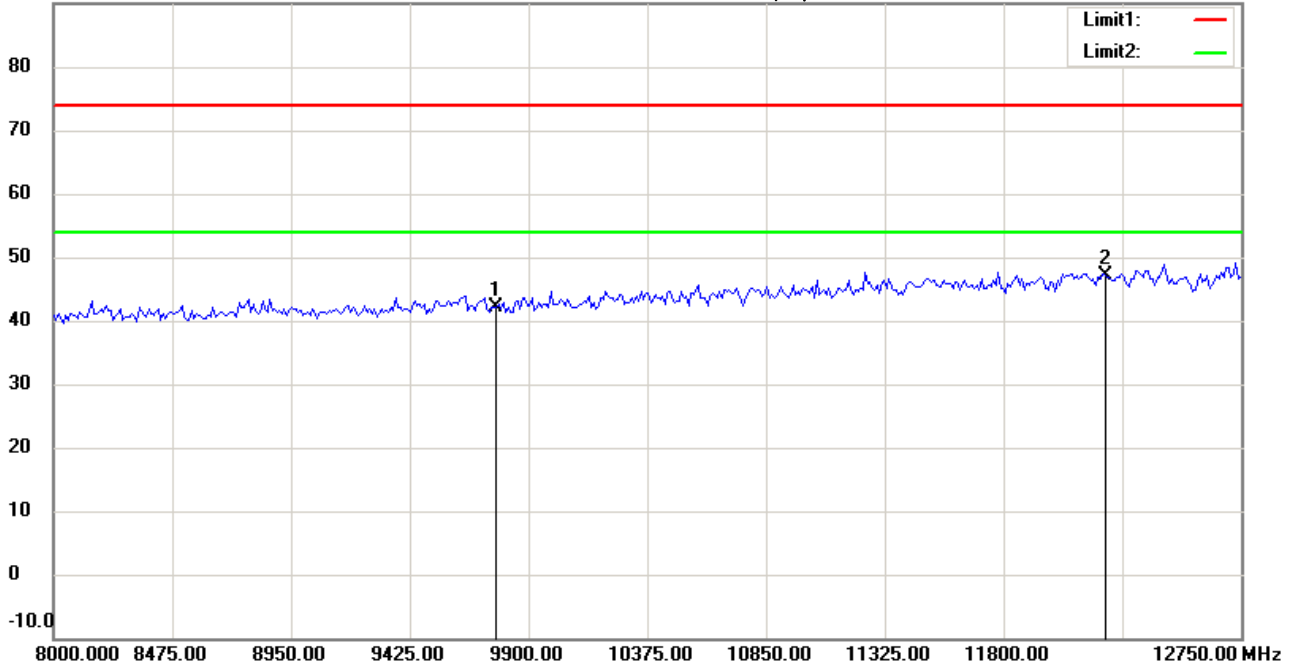
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:49:01

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	34.73	peak	7.51	42.24	74.00	100	155	-31.76	
*	12205.000	33.34	peak	13.80	47.14	74.00	100	40	-26.86	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

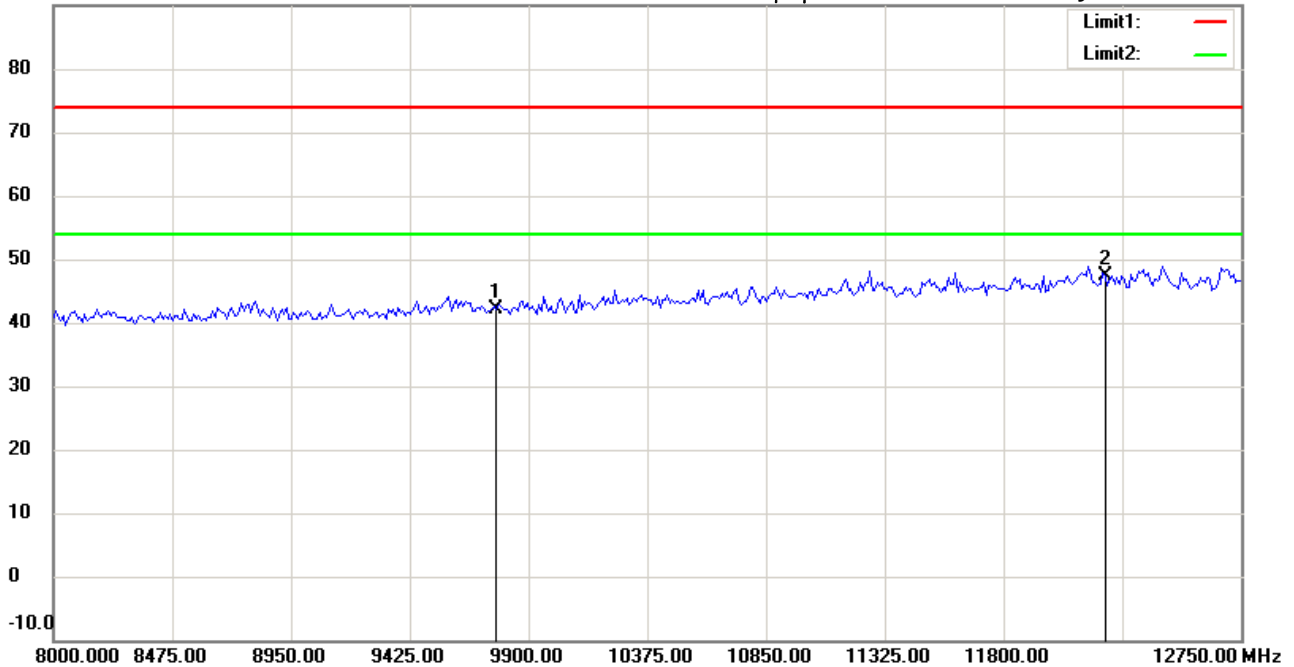
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:51:52

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	34.72	peak	7.51	42.23	74.00	100	85	-31.77	
*	12205.000	33.70	peak	13.80	47.50	74.00	100	170	-26.50	





Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

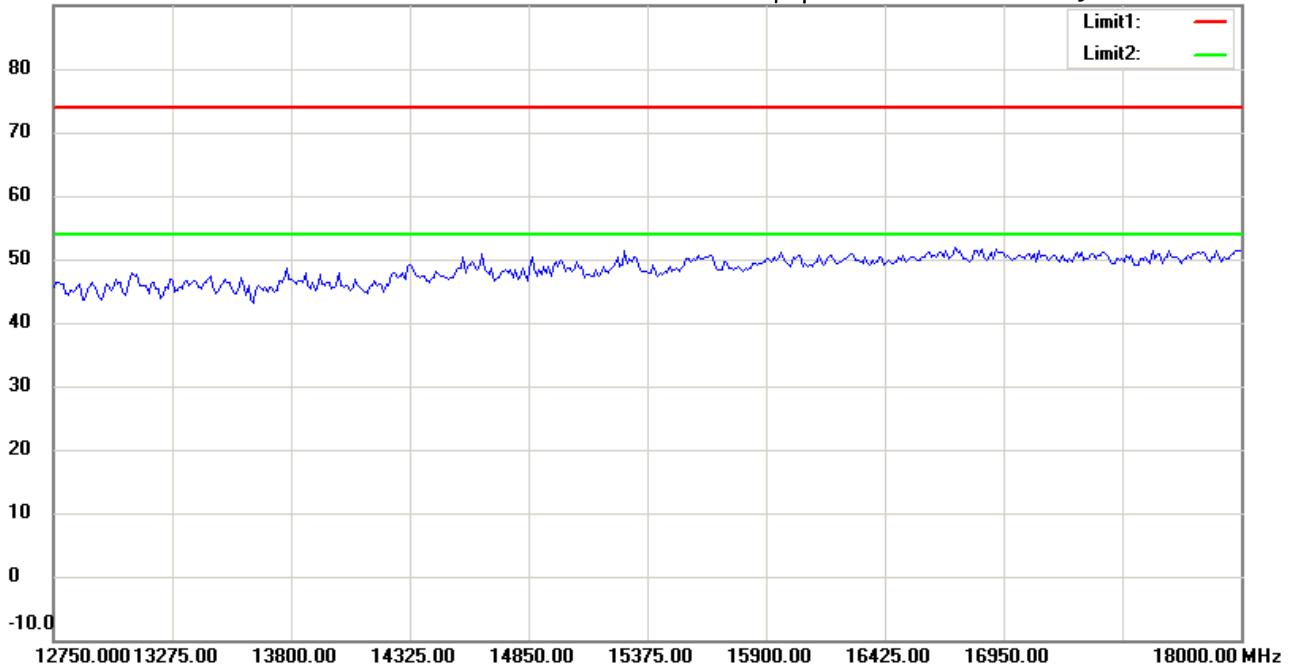
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:49:58

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21608-16104

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#9

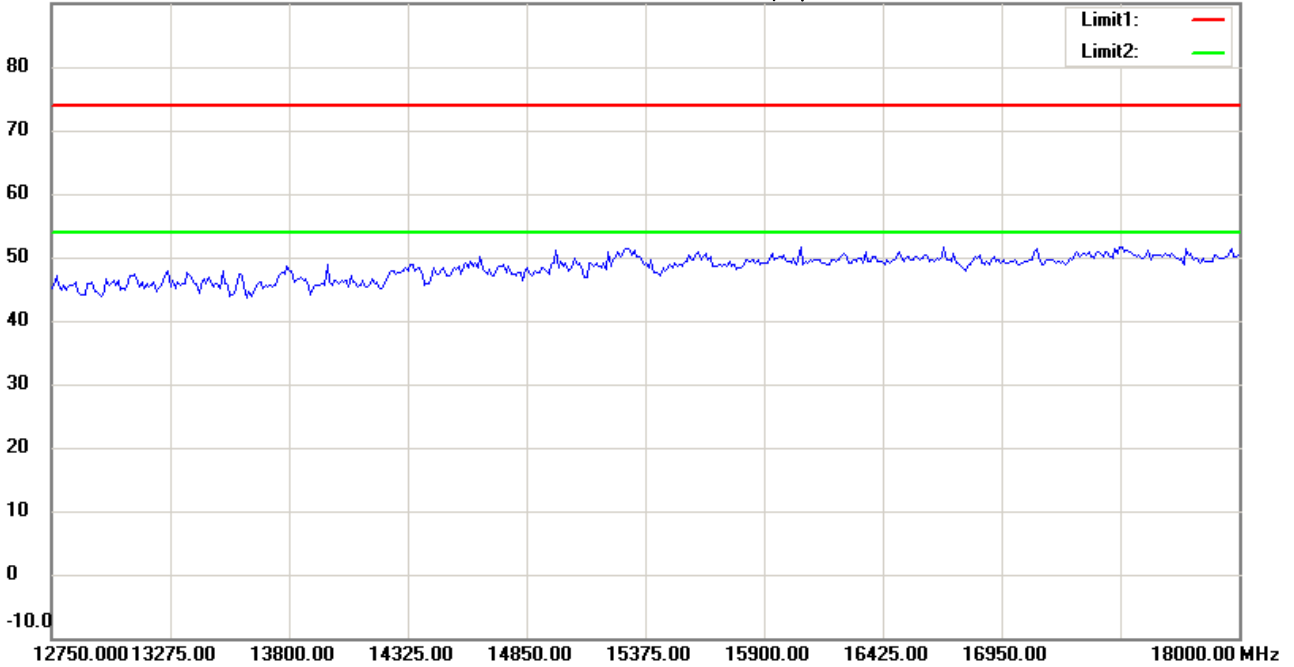
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:52:53

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

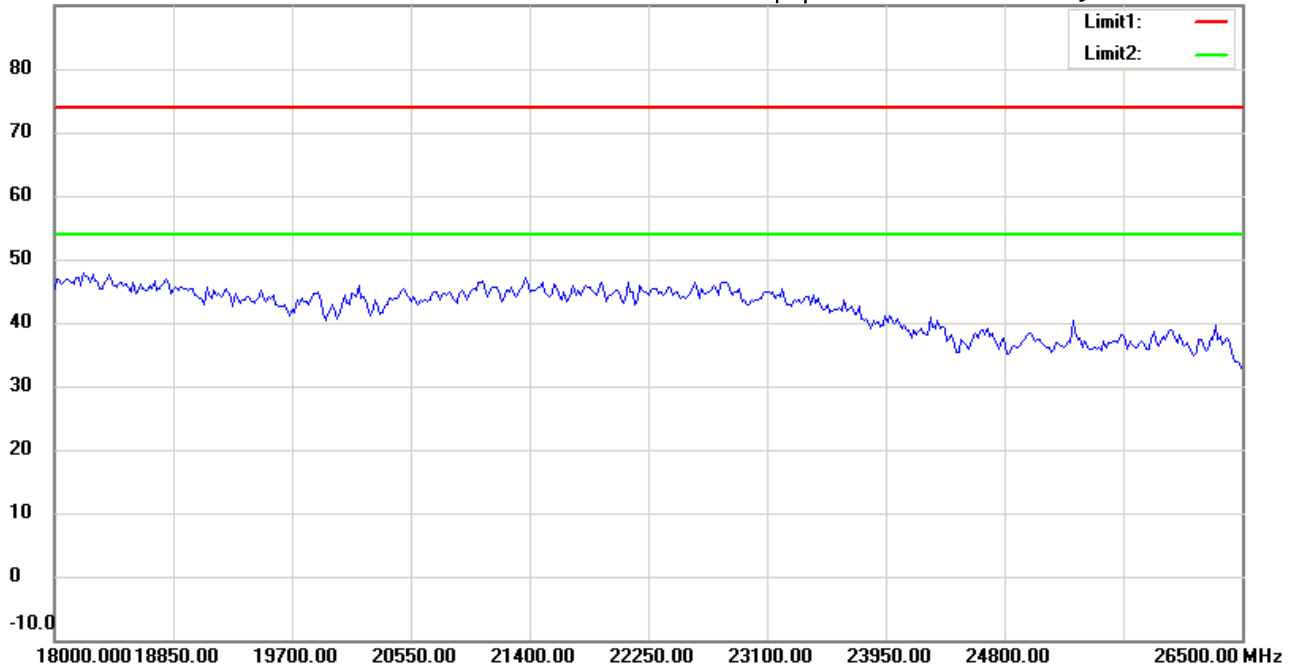
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:50:08

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

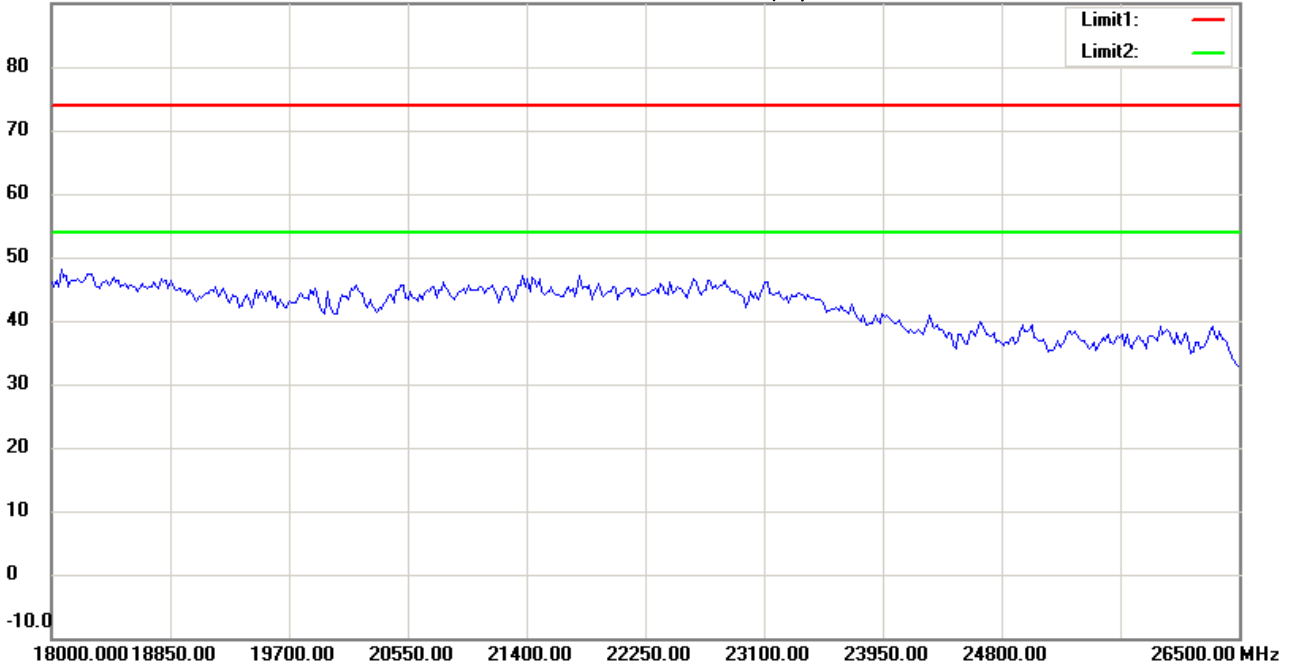
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 09:53:03

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120 V.a.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

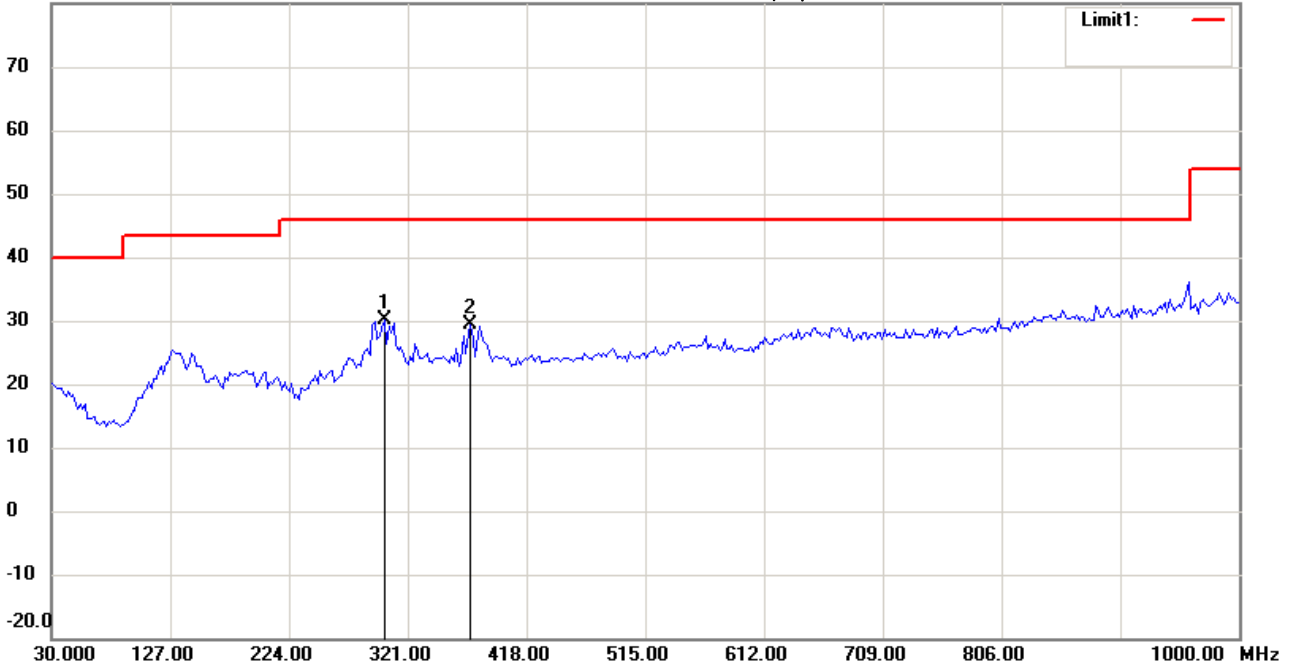
Date: 2016/8/17

Temperature:24 °C

80.0 dBuV/m

Time: 下午 10:28:33

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120 V.a.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
*	302.1442	35.72	peak	-5.56	30.16	46.00	100	55	-15.84	
	372.1240	33.56	peak	-4.18	29.38	46.00	100	90	-16.62	



Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

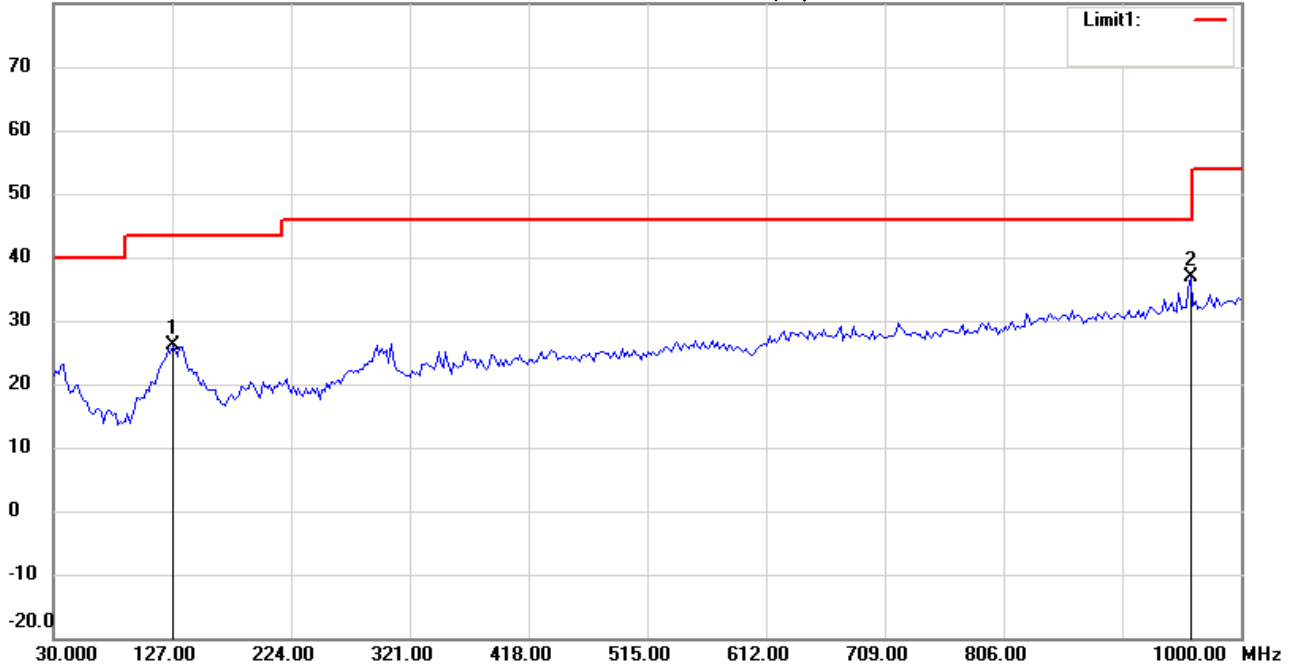
Date: 2016/8/17

Temperature:24 °C

80.0 dBuV/m

Time: 下午 10:29:18

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 V.a.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
	127.1944	32.27	peak	-6.19	26.08	43.50	100	130	-17.42	
*	959.1784	31.17	peak	5.69	36.86	46.00	100	155	-9.14	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

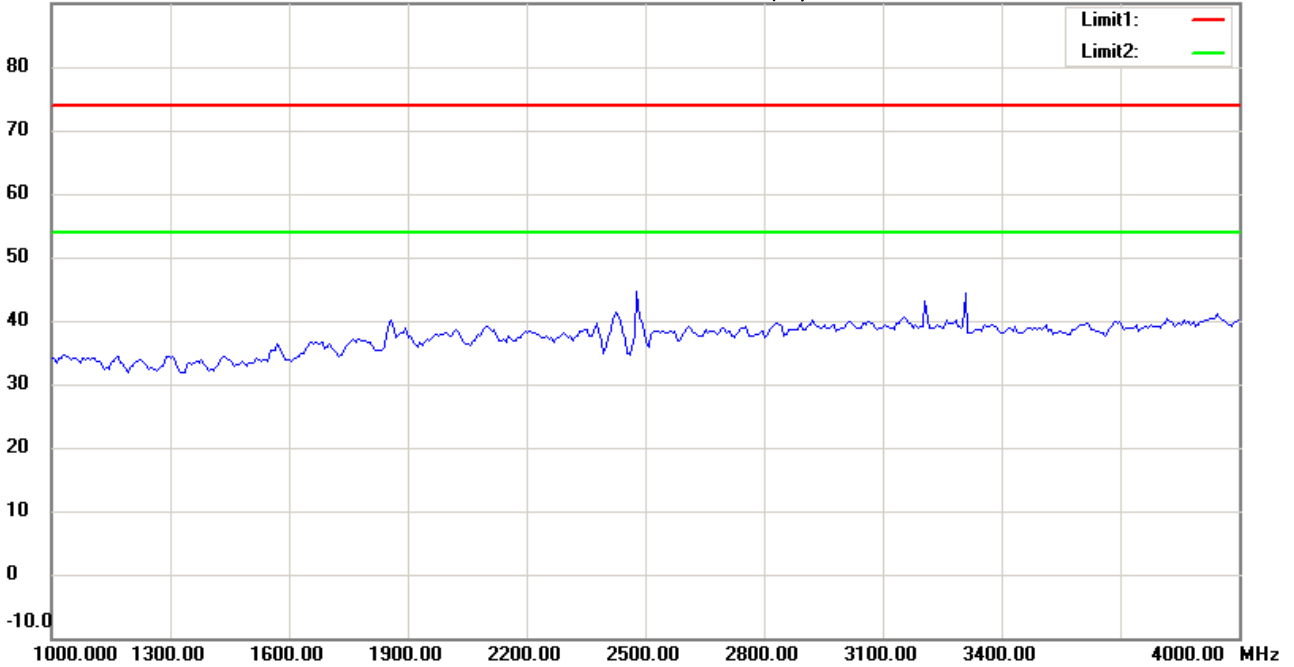
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:02:51

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21608-16104

Power : 120 Va.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

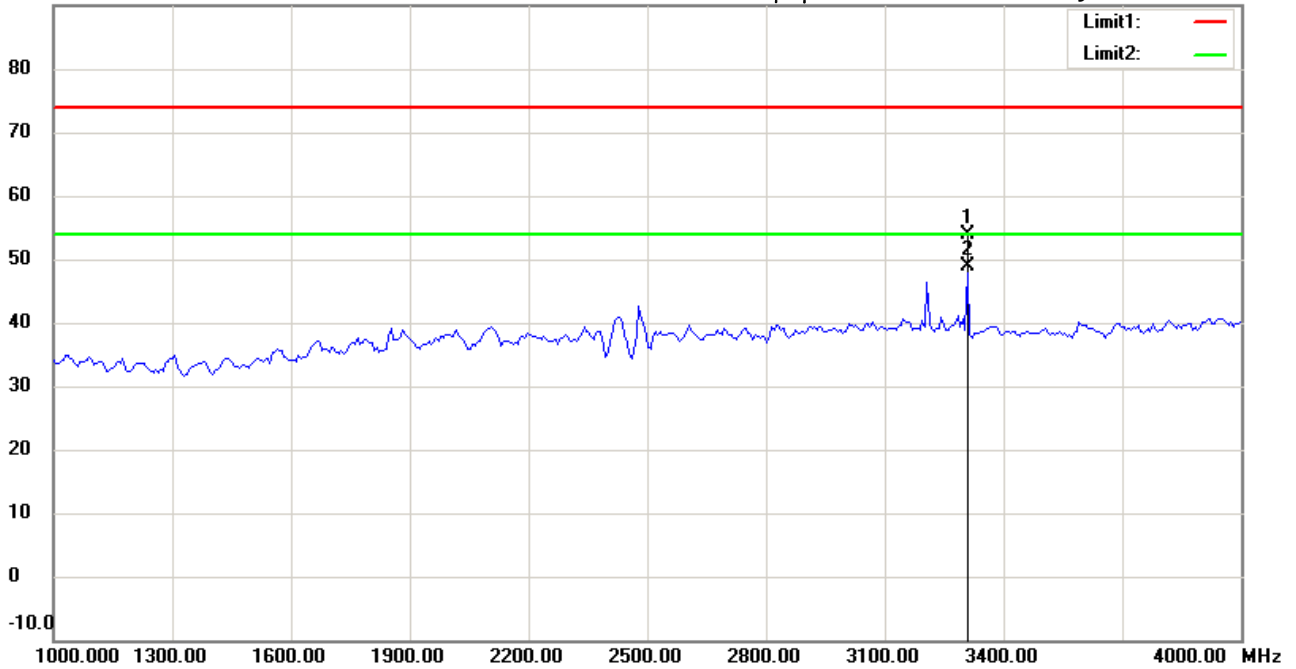
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:05:42

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 V.a.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
	3308.617	56.75	peak	-2.91	53.84	74.00	115	335	-20.16	
*	3308.617	51.90	AVG	-2.91	48.99	54.00	115	335	-5.01	





Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

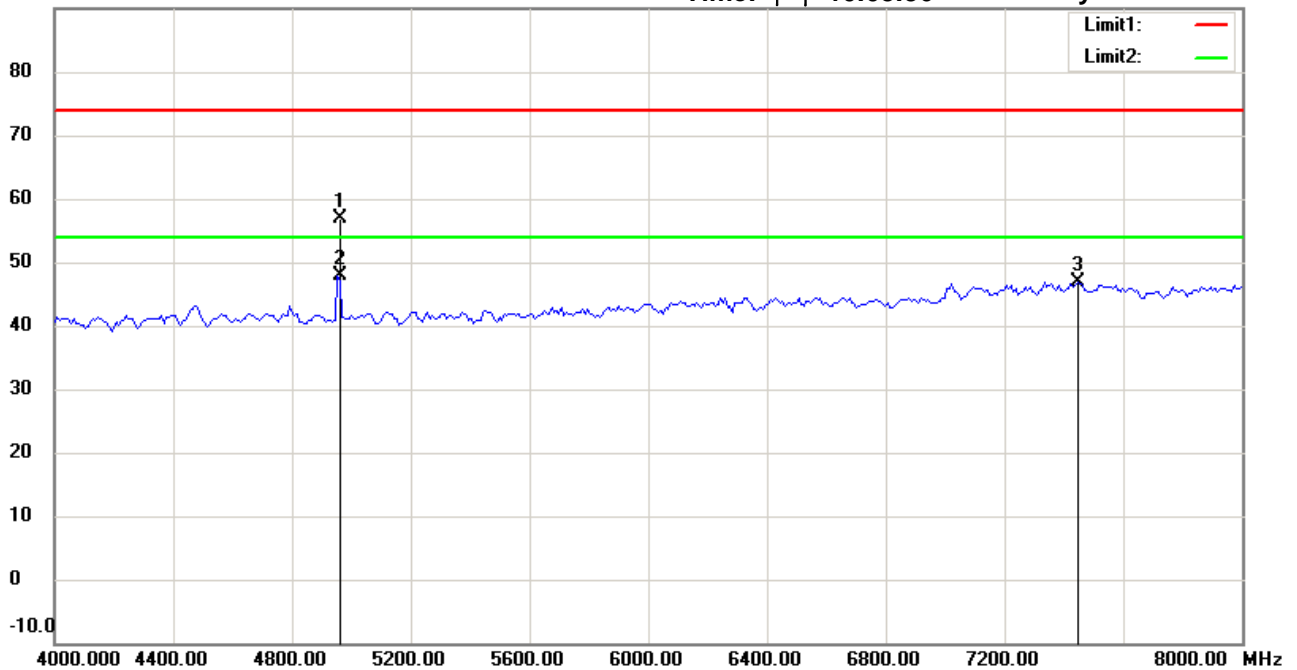
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:03:36

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120 V.a.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
	4953.908	57.12	peak	-0.17	56.95	74.00	180	70	-17.05	
*	4953.908	47.96	AVG	-0.17	47.79	54.00	180	70	-6.21	
	7440.000	41.94	peak	4.89	46.83	74.00	100	65	-27.17	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

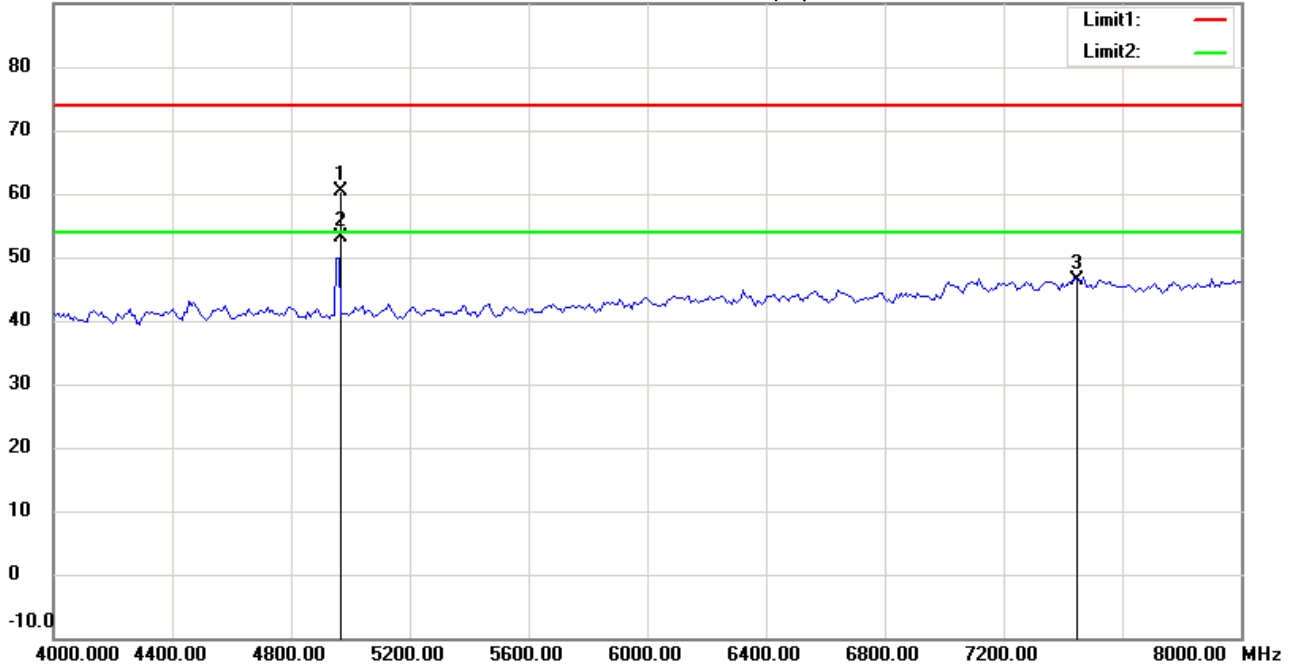
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:06:27

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4961.924	60.53	peak	-0.13	60.40	74.00	140	80	-13.60	
*	4961.924	53.16	AVG	-0.13	53.03	54.00	140	80	-0.97	
	7440.000	41.48	peak	4.89	46.37	74.00	100	125	-27.63	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

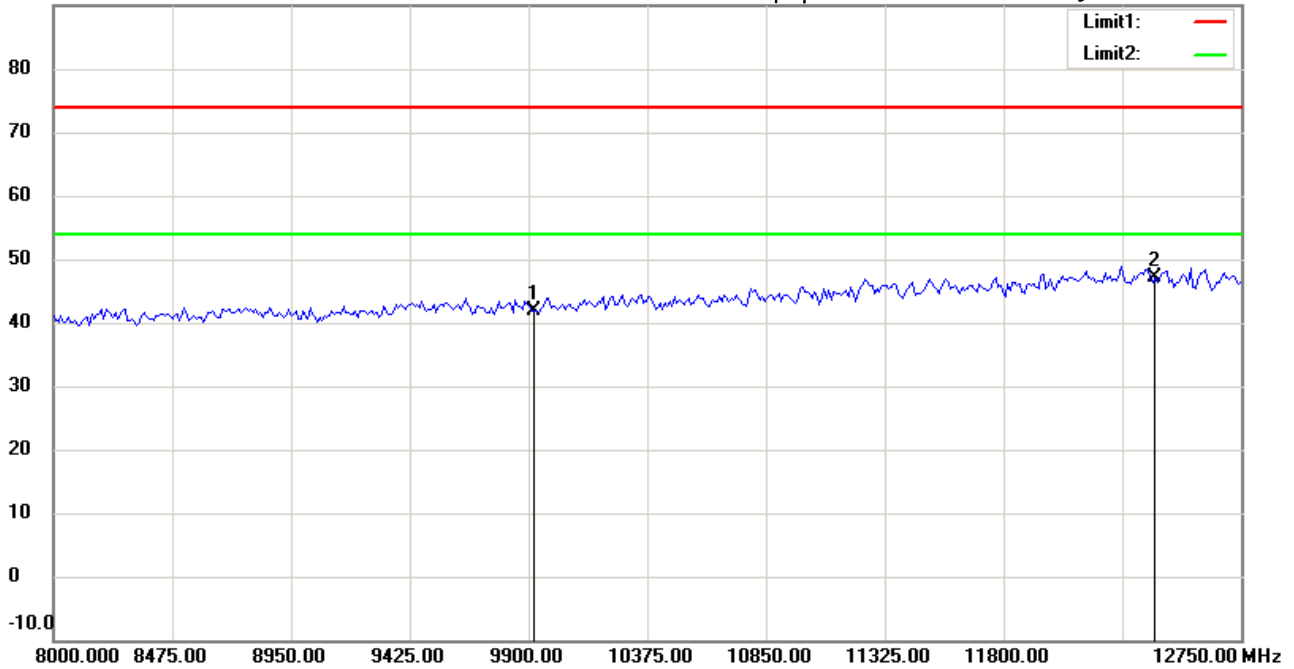
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:03:49

Humidity:60 %



Site : Chamber

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

Polarization: *Horizontal*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	34.05	peak	7.83	41.88	74.00	100	215	-32.12	
*	12400.000	33.14	peak	13.99	47.13	74.00	100	70	-26.87	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

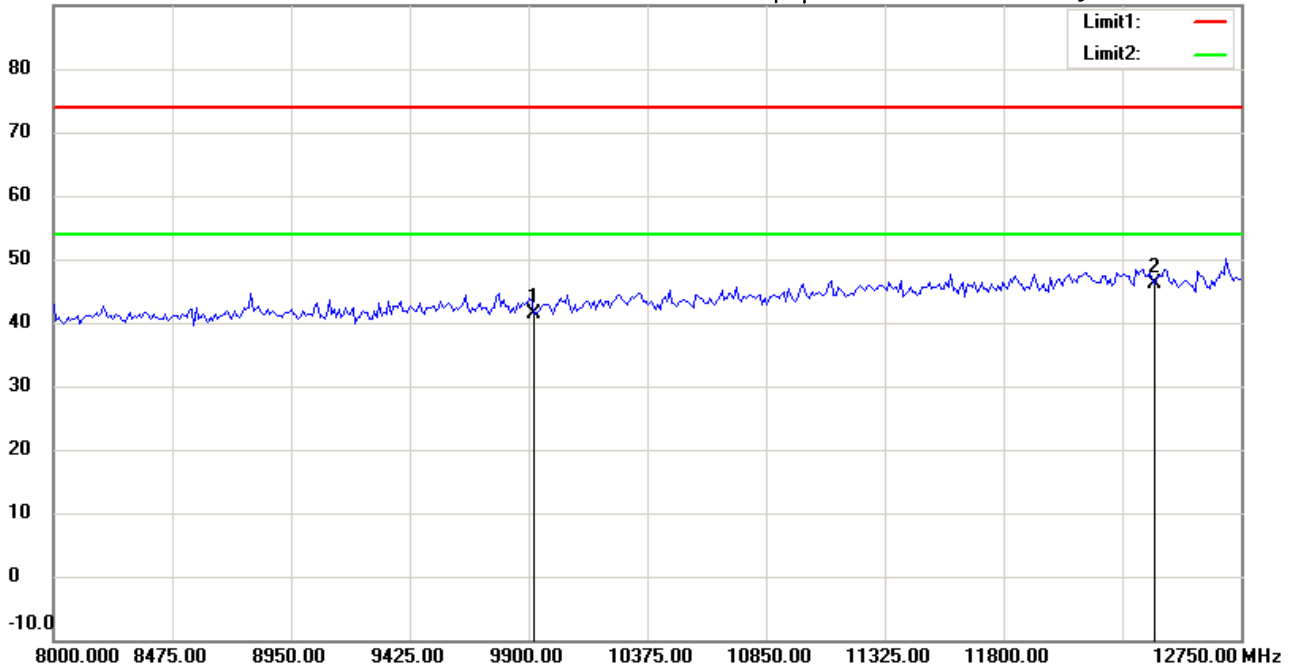
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:06:40

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	33.63	peak	7.83	41.46	74.00	100	175	-32.54	
*	12400.000	32.21	peak	13.99	46.20	74.00	100	40	-27.80	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

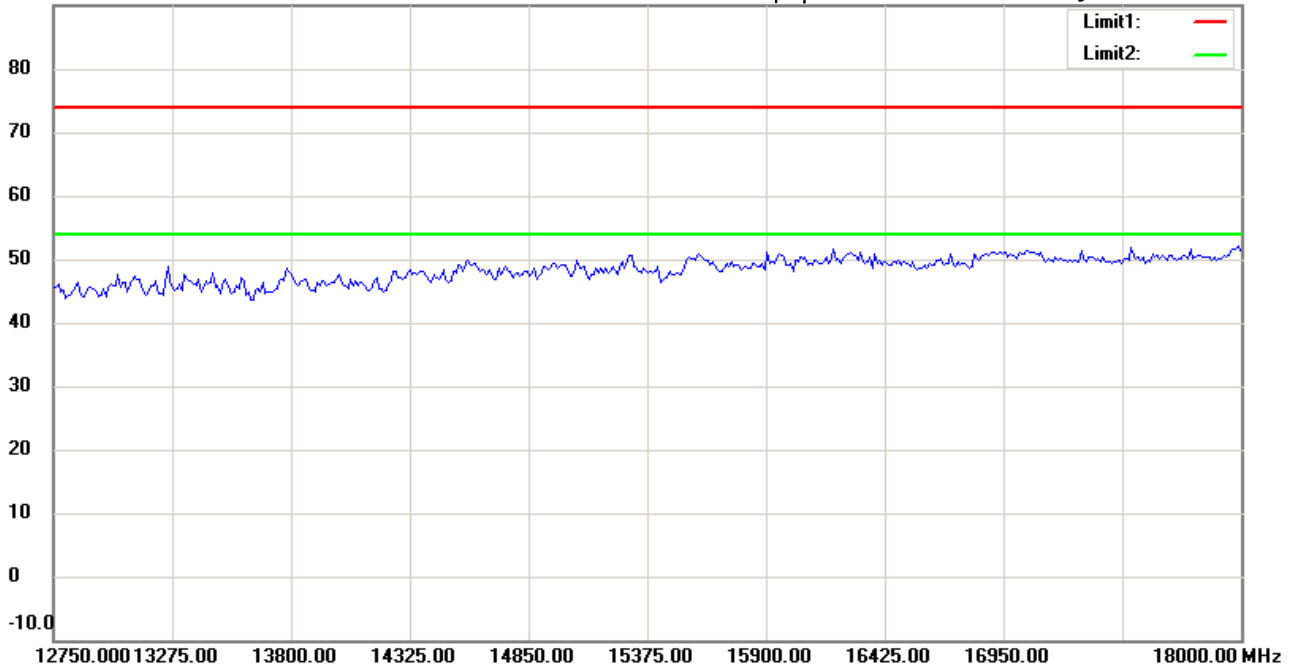
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:04:47

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :3

Data :#9

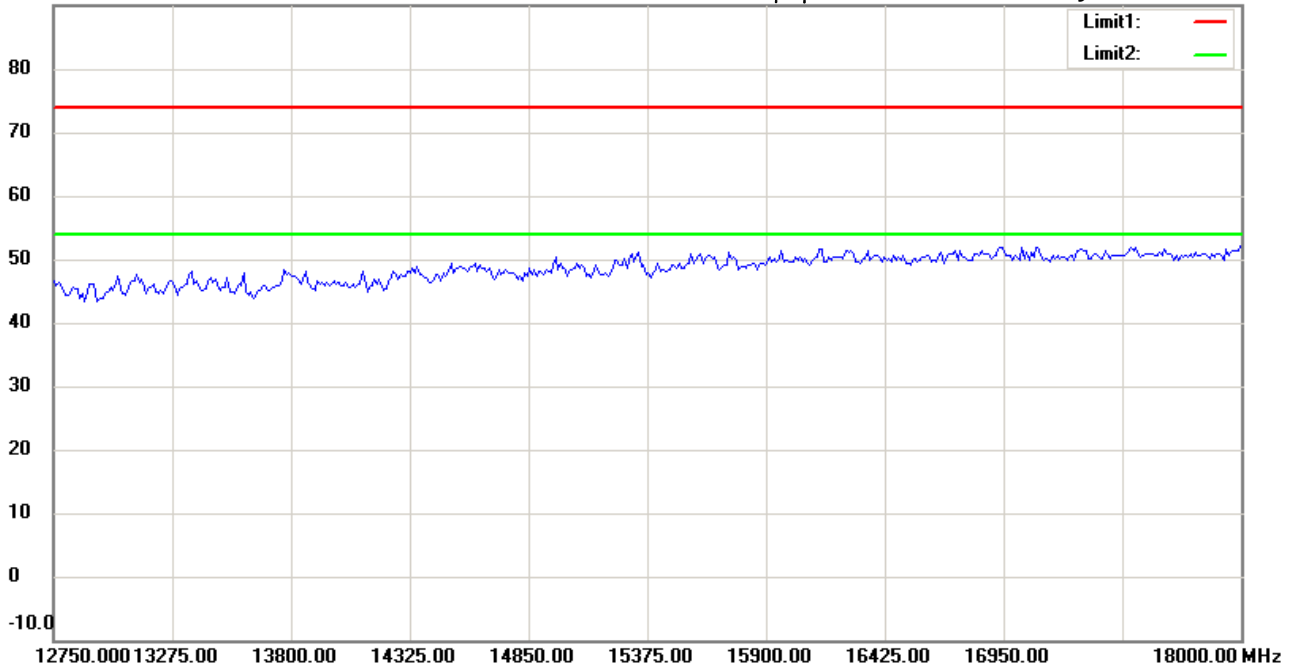
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:07:42

Humidity:60 %



Site : Chamber

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

Polarization: *Vertical*

EUT : W6M21608-16104

Power : 120 V.a.c.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

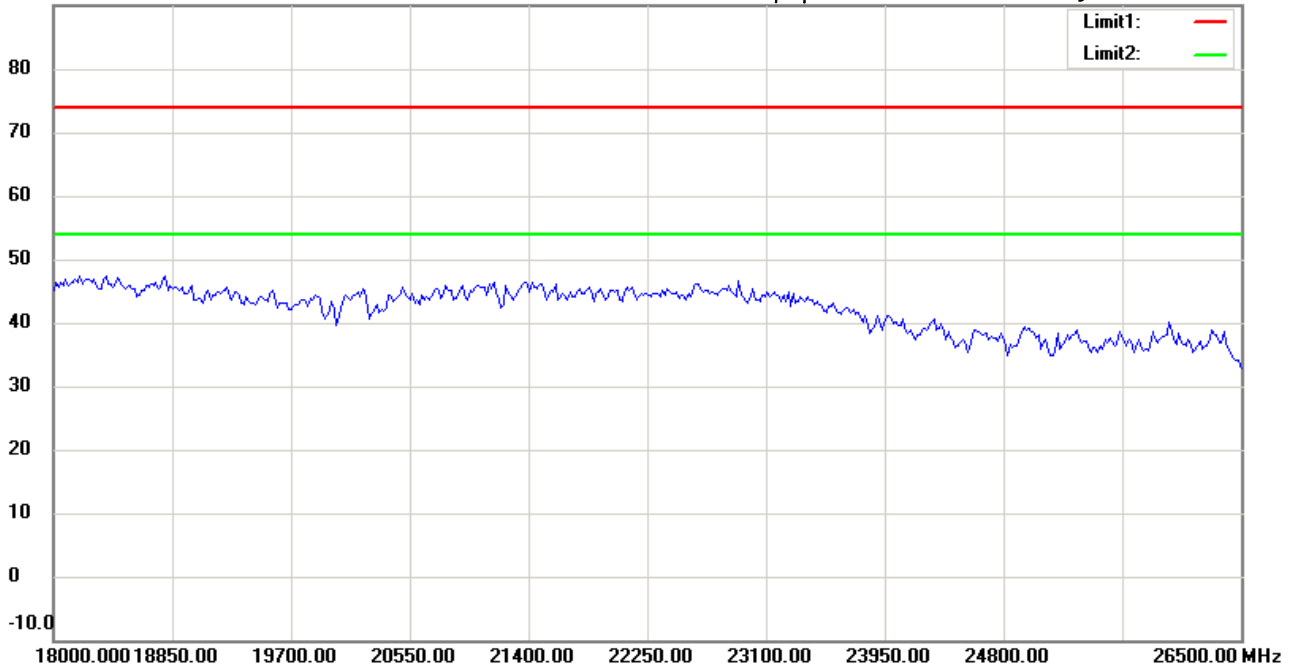
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:04:56

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------



Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

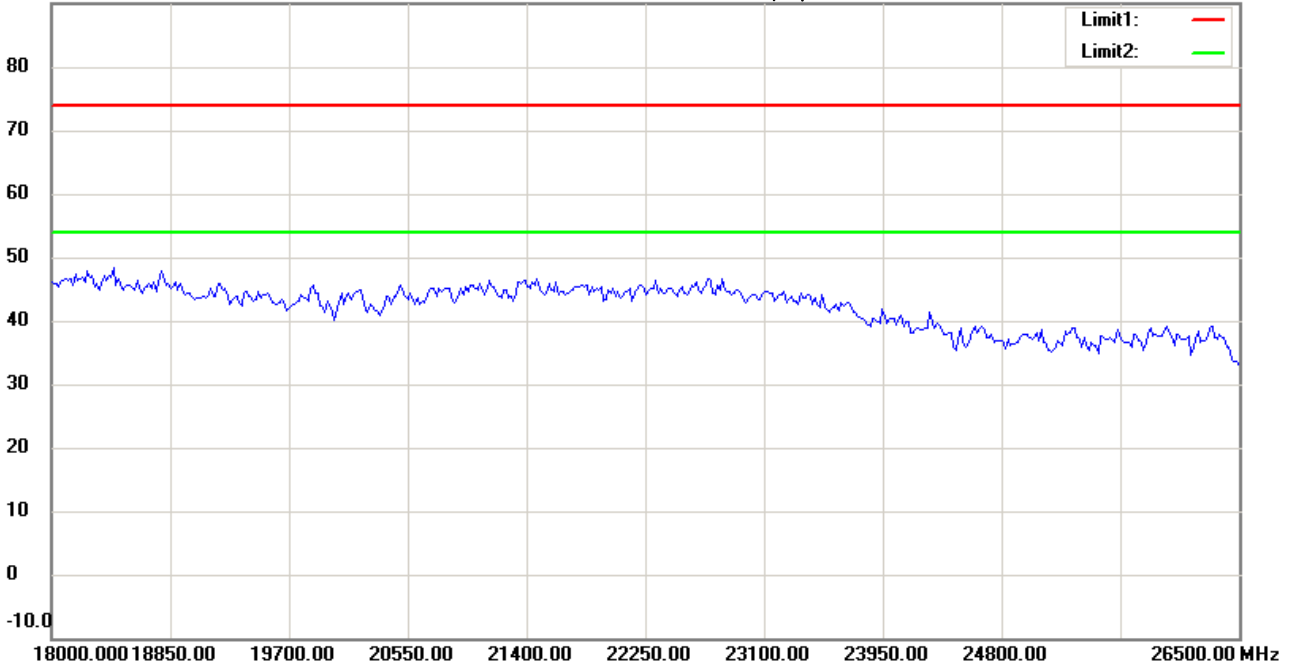
Date: 2016/8/18

Temperature:24 °C

90.0 dBuV/m

Time: 下午 10:07:51

Humidity:60 %



Site : Chamber

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

EUT : W6M21608-16104

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 V.a.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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------