

FCC PART 15 SUBPART C TEST REPORT

for

Speed&Cadence

Model No.: ZASC1D

FCC ID: QSWDSCCS

of

Applicant: Zentan Technology Co., Ltd.

Address: NO.92, Hsing-Sheng Road, Chia-Li District,
Tainan City, 72254 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.: W6M21506-15101-C-1

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

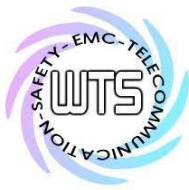
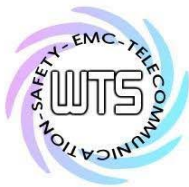


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1 General Information

1.1 Notes

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

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

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

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

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

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

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

Specific Conditions:

Usage of the hereunder tested device in combination with other integrated or external antennas requires at least additional output power measurements, spurious emission measurements, conducted emission measurements (AC supply lines) and radio frequency exposure evaluations for each individual configuration performed, for certification by FCC.

Tester:

August 07, 2015

Rick Chen

Rick Chen.

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

August 07, 2015

Kevin Wang

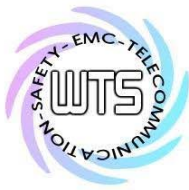
Kevin Wang

Date

WTS

Name

Signature



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1.2 Testing laboratory

1.2.1 Location

OATS

No.5-1, Lishui, Shuang Sing Village,

Wanli Dist., New Taipei City 207,

Taiwan (R.O.C.)

3 meter semi-anechoic chamber

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

TEL:886-2-6613-0228

FAX:886-2-2791-5046

Company

Worldwide Testing Services(Taiwan) Co., Ltd.

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

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

Tel : 886-2-66068877

Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA accredited number: 2732.01

FCC filed test laboratory Reg. No. 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: Zentan Technology Co., Ltd.

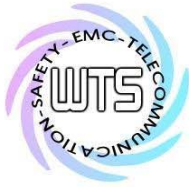
Street: NO.92, Hsing-Sheng Road, Chia-Li District,

Town: Tainan City, 72254

Country: Taiwan

Telephone: (06)7232226

Fax: (06)7231289



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1.4 Application details

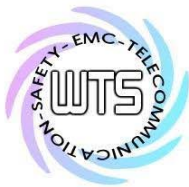
Date of receipt of test item: July 09, 2015
Date of test: from July 10, 2015 to August 07, 2015

1.5 General information of Test item

Type of test item: Speed&Cadence
Model Number: ZASC1D
Brand Name: CARDIOSPORT
Multi-listing model number: ./.
Photos: see Appendix

Technical data

Frequency band: 2400 MHz – 2483.5 MHz
BLE
Frequency (ch 0 or A): 2402 MHz
Frequency (ch 19 or B): 2440 MHz
Frequency (ch 39 or C): 2480 MHz
ANT+
Frequency: 2457 MHz
Number of Channels: 40 (BLE) / 1 (ANT+)
Operation modes: Duplex
Modulation Type: GFSK
Fixed point-to-point operation: ☐ Yes / ☒ No
Type of Antenna: Chip antenna
Antenna gain: 1.57 dBi
Power supply: Battery: 3 VDC (CR2032)
Emission designator (BLE): 1M15F1D
Emission designator (ANT+): 1M06F1D



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Host device: none

Classification :

Fixed Device	☐
Mobile Device (Human Body distance > 20cm)	☐
Portable Device (Human Body distance < 20cm)	☒

Transmitter

Unom

BLE

Power (ch 0 or A): Conducted: 1.90 dBm

Power (ch 19 or B): Conducted: 1.29 dBm

Power (ch 39 or C): Conducted: 0.43 dBm

ANT+

Power Conducted: 0.53 dBm

Manufacturer: (if applicable)

Name: ./.

Street: ./.

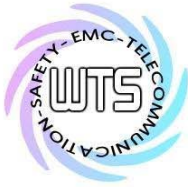
Town: ./.

Country: ./.

Additional information: ./.

1.6 Test standards

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



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2 Technical test

2.1 Summary of test results

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



or

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



2.2 Test environment

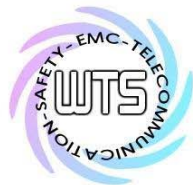
Temperature: 23 °C

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Power supply: Battery: 3 VDC (CR2032)

Extreme conditions parameters: ./.



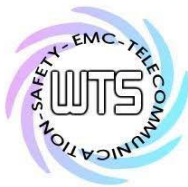
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2.3 Test Equipment List

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2014/9/2	2015/9/1
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	2015/6/30	2016/6/29
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2014/10/13	2015/10/12
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2014/9/2	2015/9/1
ETSTW-RE 005	EMI TEST RECEIVER	ESVS10	843207/020	R&S	2014/9/2	2015/9/1
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 018	MICROWAVE HORN ANTENNA	AT4560	27212	AR	2015/6/22	2016/6/21
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2015/6/16	2016/6/15
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2015/3/17	2016/3/16
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 049	TRILOG Super Broadband test Antenna	VULB 9160	9160-3185	Schwarzbeck	2015/3/19	2016/3/18
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2015/6/8	2016/6/7
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2015/3/2	2016/3/1
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2014/11/26	2015/11/25
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2014/10/9	2015/10/8
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2014/9/22	2015/9/21
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2015/3/2	2016/3/1
ETSTW-RE 106	Humidity Temperature Meter	TES-1366	091011113	TES	2014/11/7	2015/11/6
ETSTW-RE 111	TRILOG Super Broadband test Antenna	VULB 9160	9160-3309	Schwarz beck	2014/12/5	2015/12/4
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	
ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2015/1/7	2016/1/6
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2015/6/8	2016/6/7
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2014/8/12	2015/8/11
ETSTW-RE 126	5GHz Notch filter	5NSL11-5800/E221.3-O/O	1	K&L Microwave	2014/8/12	2015/8/11

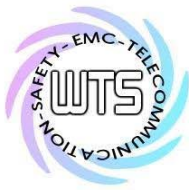


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ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2015/3/2	2016/3/1
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circits	2014/8/12	2015/8/11
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circits	2014/8/12	2015/8/11
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2014/10/20	2015/10/19
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2015/3/5	2016/3/4
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2015/1/7	2016/1/6
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2015/1/7	2016/1/6
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2015/1/7	2016/1/6
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2015/1/7	2016/1/6
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2014/9/17	2015/9/16
ETSTW-Cable 010	BNC Cable	5 M BNC Cable	None	JYE BAO CO.,LTD.	2014/10/15	2015/10/14
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.	2014/10/15	2015/10/14
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2015/2/25	2016/2/24
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2015/4/23	2016/4/22
ETSTW-Cable 022	N TYPE Cable	5006	0002	JYE BAO CO.,LTD.	2015/3/19	2016/3/18
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2015/3/2	2016/3/1
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2015/5/14	2016/5/13
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2015/1/16	2016/1/15
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2014/9/22	2015/9/21
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2015/3/2	2016/3/1
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S_Cable 10)	238092	HUBER+SUHNER	2014/11/26	2015/11/25
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2014/11/26	2015/11/25
ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2014/11/26	2015/11/25
ETSTW-Cable 053	N TYPE To SMA Cable	RG142	None	JYE BAO CO.,LTD.	2015/3/19	2016/3/18
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2015/3/19	2016/3/18
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1	



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2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2009 5.2 using a 50 μ H LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.4-2009 6.4 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 μ 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 μ V + 10.36 dB + 6 dB = 36.36 dB μ V/m @3m

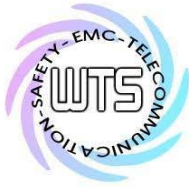
The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table) and arranged according to ANSI C63.4-2009 6.3.1. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to the frequency specified as follows:

- (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 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.



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

The formula is as follows:

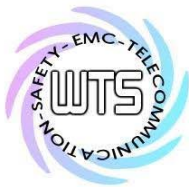
Average = Peak + Duty Factor

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

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

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

ANSI STANDARD C63.4-2009 10.2.7: 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.

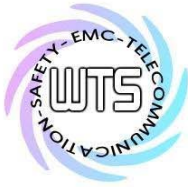
Registration number: W6M21506-15101-C-1

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3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(d)	☒	☒	☐
Equivalent isotropically radiated Power	15.247(b)	☒	☒	☐
Spurious Emissions radiated – Transmitter operating	15.247(d) : 15.209	☒	☒	☐
Band Edge Measurement	15.247(d)	☒	☒	☐
Minimum 6 dB Bandwidth	15.247(a)(2)	☒	☒	☐
Peak Power Spectral Density	15.247(e)	☒	☒	☐
Radiated Emission from Receiver Part	15.109	☒	☒	☐
Power Line Conducted Emission	15.207(a)	☐	☐	☐

The following is intentionally left blank.



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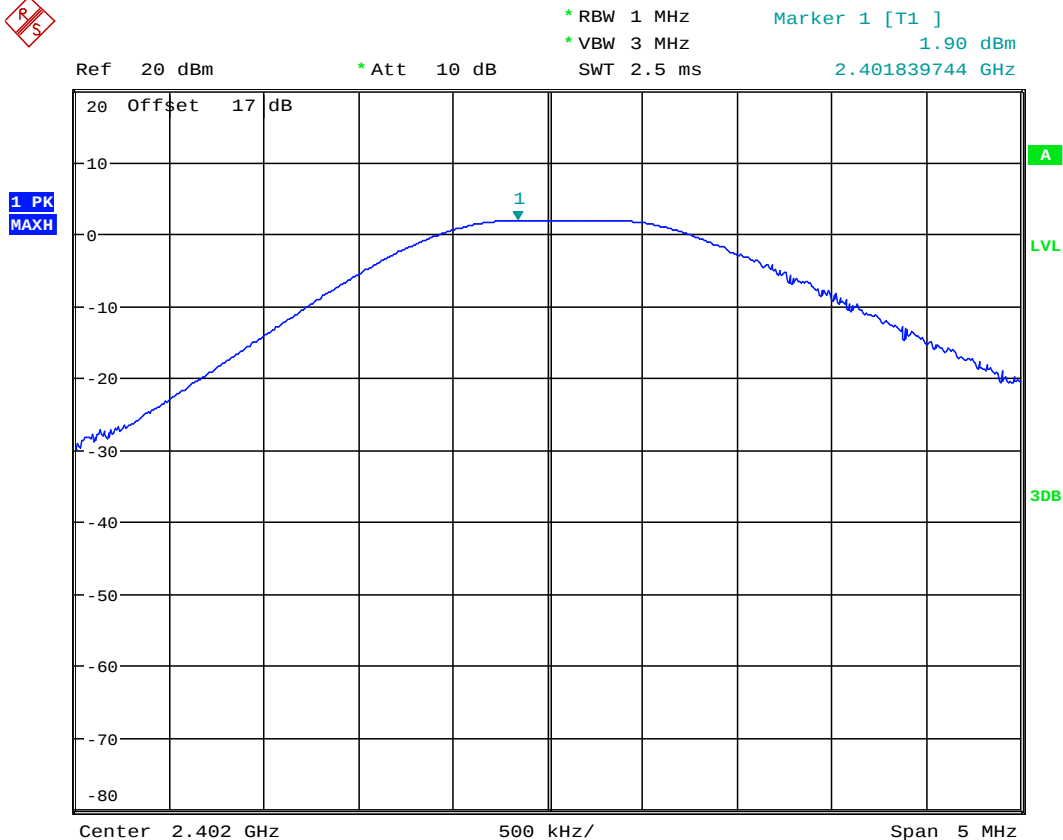
FCC ID: QSWDSCCS

3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(d)(3)

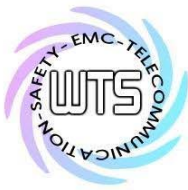
This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

BLE



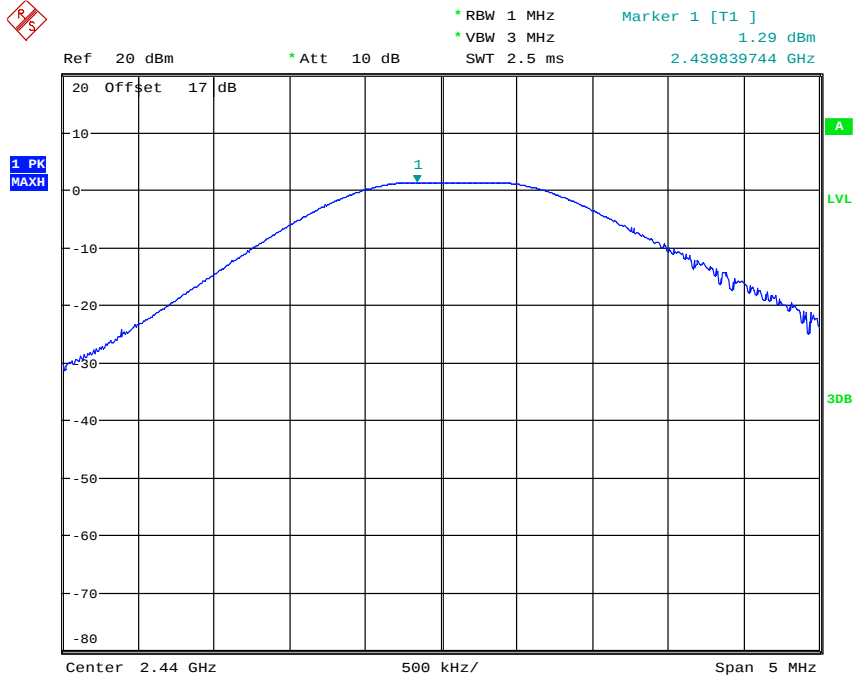
MAX OUTPUT POWER BT4.0 CH00

Date: 17.JUL.2015 10:41:16



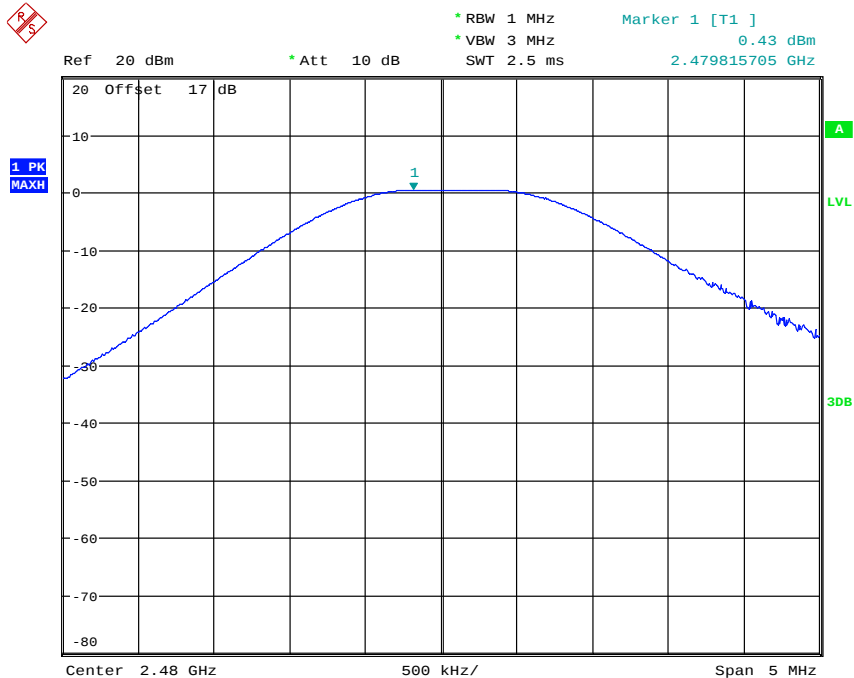
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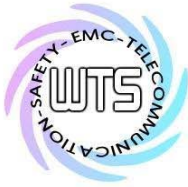
MAX OUTPUT POWER BT4.0 CH19

Date: 17.JUL.2015 10:39:28



MAX OUTPUT POWER BT4.0 CH39

Date: 17.JUL.2015 10:40:12

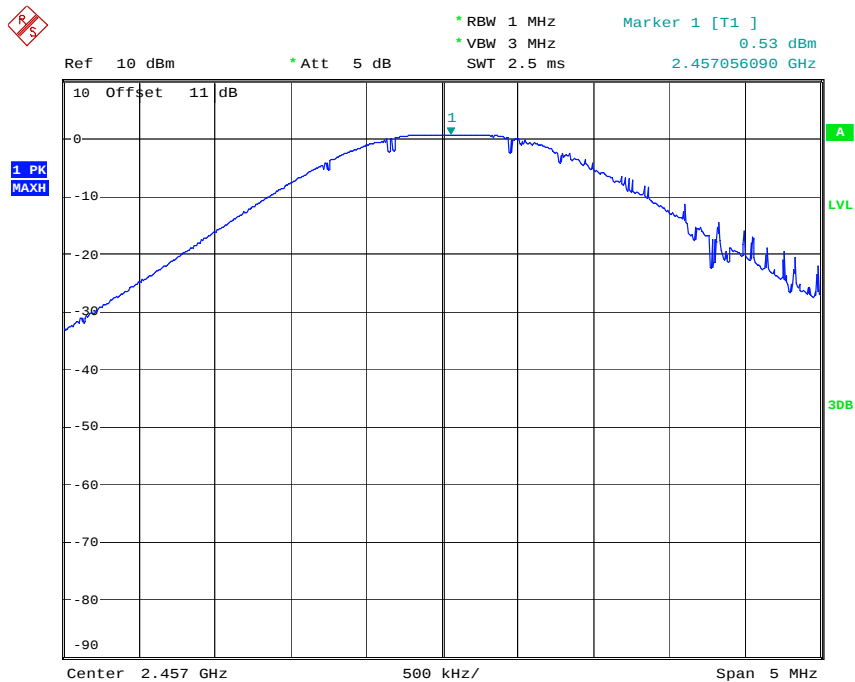


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

ANT+



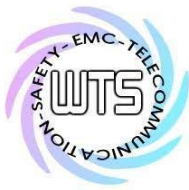
MAX OUTPUT POWER 2457MHz
Date: 15.JUL.2015 17:23:25

Limits:

Frequency MHz	Power dBm
902 - 928	30
2400 – 2483.5	30
5725 – 5850	30

In case of employing transmitter antennas having antenna gain > 6 dBi and using fixed point-to point operation consider §15.247 (b)(4)

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



Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

3.2 Equivalent isotropic radiated power

FCC Rule: 15.247(b)(3)

BLE

Test exclusion = max. conducted output power + adjusted for tune-up tolerance

Test exclusion = 1.90 dBm + 1.57 dBi = 3.47 dBm

ANT+

Test exclusion = max. conducted output power + adjusted for tune-up tolerance

Test exclusion = 0.53 dBm + 1.57 dBi = 2.1 dBm

Test equipment used: ETSTW-RE 055

3.3 RF Exposure Compliance Requirements

RESULT:

Test standard : FCC KDB Publication
447498 D01 General RF Exposure Guidance v05r02

According to 447498 D01 General RF Exposure Guidance v05r02:

SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

The enclosure of the device provides ≥ 0.5 cm separation from the antenna elements to significant metal parts of the enclosure to minimize potential perturbations.

Frequency Band: 2400-2483.5 MHz

Maximum Power fed to Antenna (BLE): 2.22 mW

Maximum Power fed to Antenna (ANT+): 1.62 mW

Separation distances:

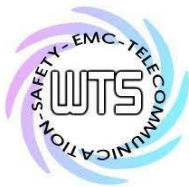
Radiator to user: > 5 mm

Distance prescribed in user manual: > 5 mm

MHz	5	10	15	20	25	mm
2450	10	19	29	38	48	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
2450	57	67	77	86	96	SAR Test Exclusion Threshold (mW)

MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
2450	96	196	296	396	496	596	696	796	896	996	1096	1196	1296	1396	1496	mW



Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

3.4 Transmitter Radiated Emissions in Restricted Bands

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

Radiated emission measurements were performed from 30 MHz to 26500 MHz.

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

Frequency $\leq$ 1 GHz, RBW:100 kHz, VBW: 100 kHz (Peak measurements)

Frequency $>$ 1 GHz, RBW: 1 MHz, VBW: 1 MHz (Peak measurements)

Frequency $>$ 1 GHz , RBW:1 MHz , VBW: 10 Hz (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	500	54.0

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of Digit Transmission Systems:

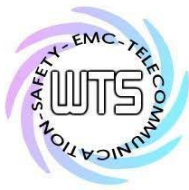
“If the emission is pulsed, modify the unit for continuous operation, use the setting shown above, then correct the reading by subtracting the peak-average correction factor, derived from the appropriate duty cycle calculation.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

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

Note: No duty cycle correction was added to the reading of this EUT.

Explanation: See attached diagrams in Appendix.



Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

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))

FCC Rule: 15.247(d), 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 above 1GHz (Peak measurements).

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

For frequencies above 1GHz (Average measurements).

Max. reading – 20dB

Max. reading – 20 dB

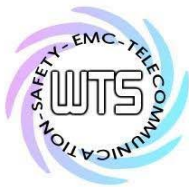
Guidance on Measurement of Digit Transmission Systems:

“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.”

The correction factor, based on the total channel dwell time in a 100 ms period, may be mathematically applied to a measurement made with an average detector, to further reduce the value.

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

Note: No duty cycle correction was added to the reading of EUT.



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with 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 and 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 "Correction Factor".

Summary table with radiated data of the test plots

Model: ZASC1D

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 (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (m)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

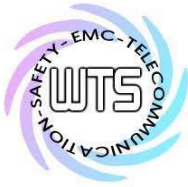
Note

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 = ± 4.32 dB, 1-18 GHz = ± 4.95 dB, 18-40 GHz = ± 2.94 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.
6. Please see attached diagrams in Appendix.

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

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

ETSTW-RE 088, ETSTW-RE 018



Registration number: W6M21506-15101-C-1

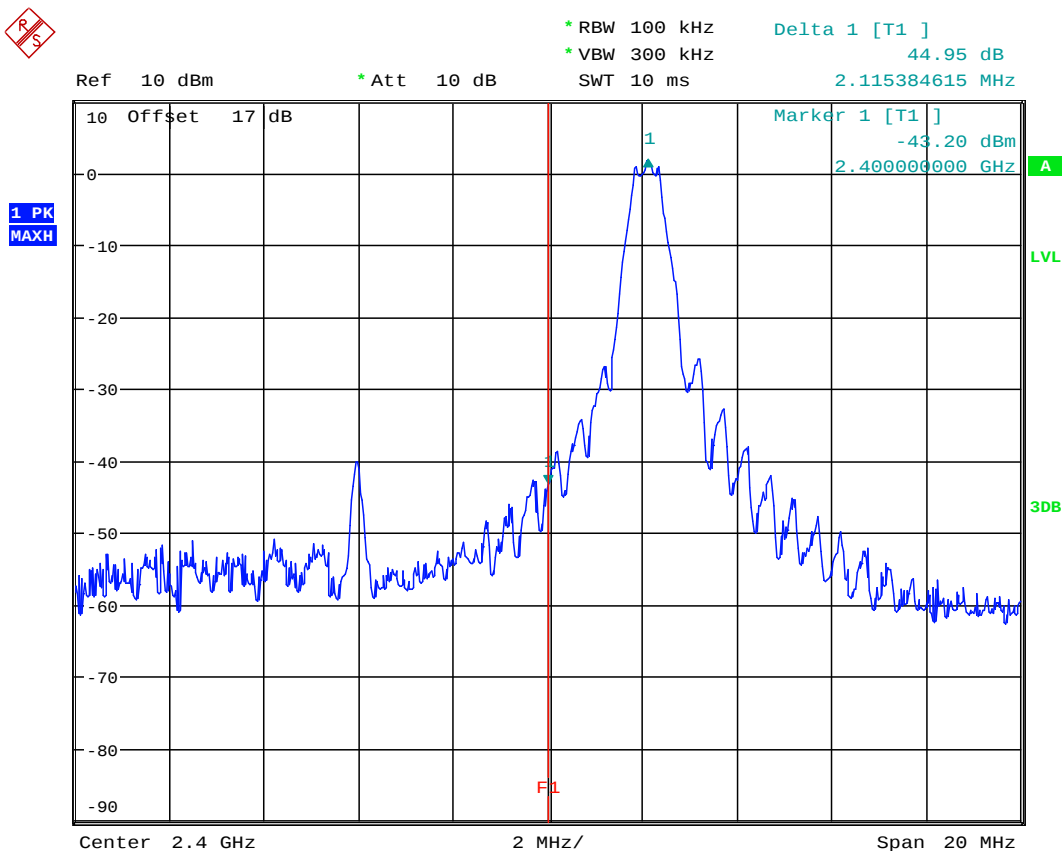
FCC ID: QSWDSCCS

3.6 Radiated Emission on the band edge

According to FCC rules part 15 subpart C §15.247(d) 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.

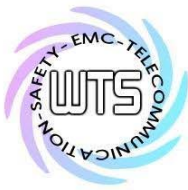
In addition radiated emission which fall in the restricted bands, as defined in section 15.205(a), must also with the radiated emission limits.

BLE

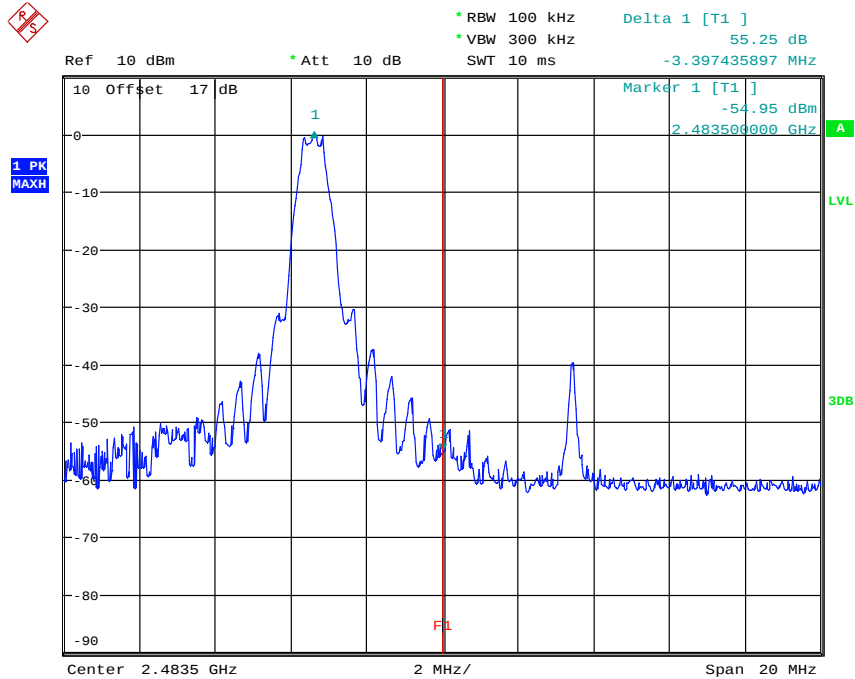


BANDEDGE BT4.0 CH00

Date: 17.JUL.2015 10:41:48

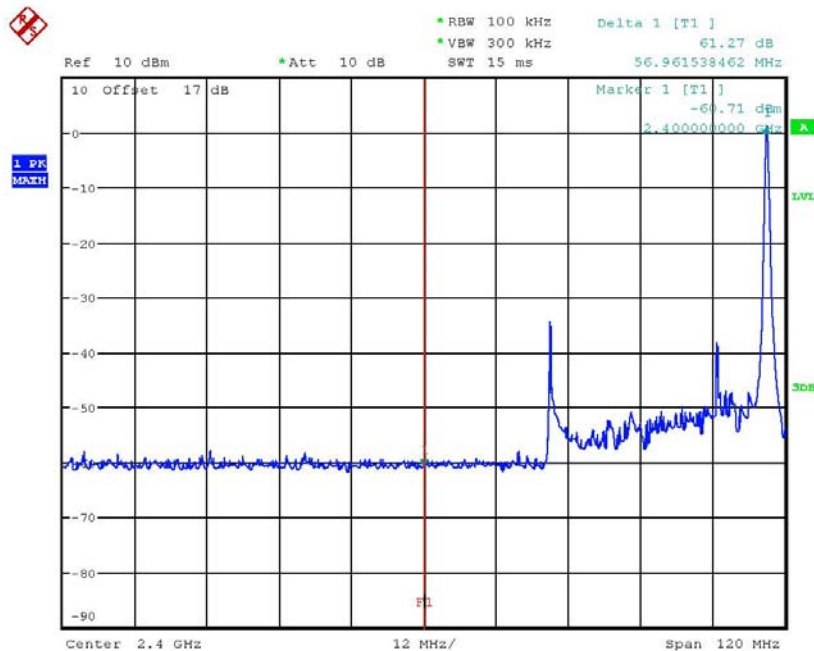


Registration number: W6M21506-15101-C-1
FCC ID: QSWDSCCS

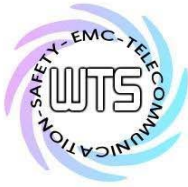


BANDEDGE BT4.0 CH39
Date: 17.JUL.2015 10:40:44

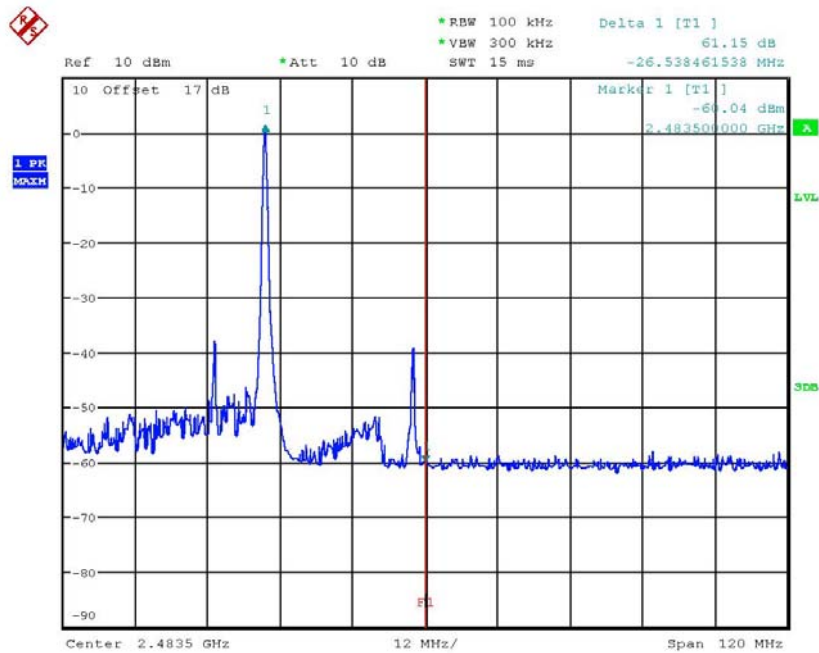
ANT+



BANDEDGE 2457MHz
Date: 15.JUL.2015 10:44:04



Registration number: W6M21506-15101-C-1
FCC ID: QSWDSCCS

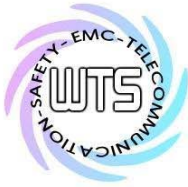


BANDEDGE 2457MHz
Date: 15.JUL.2015 10:43:28

Limit:

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

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

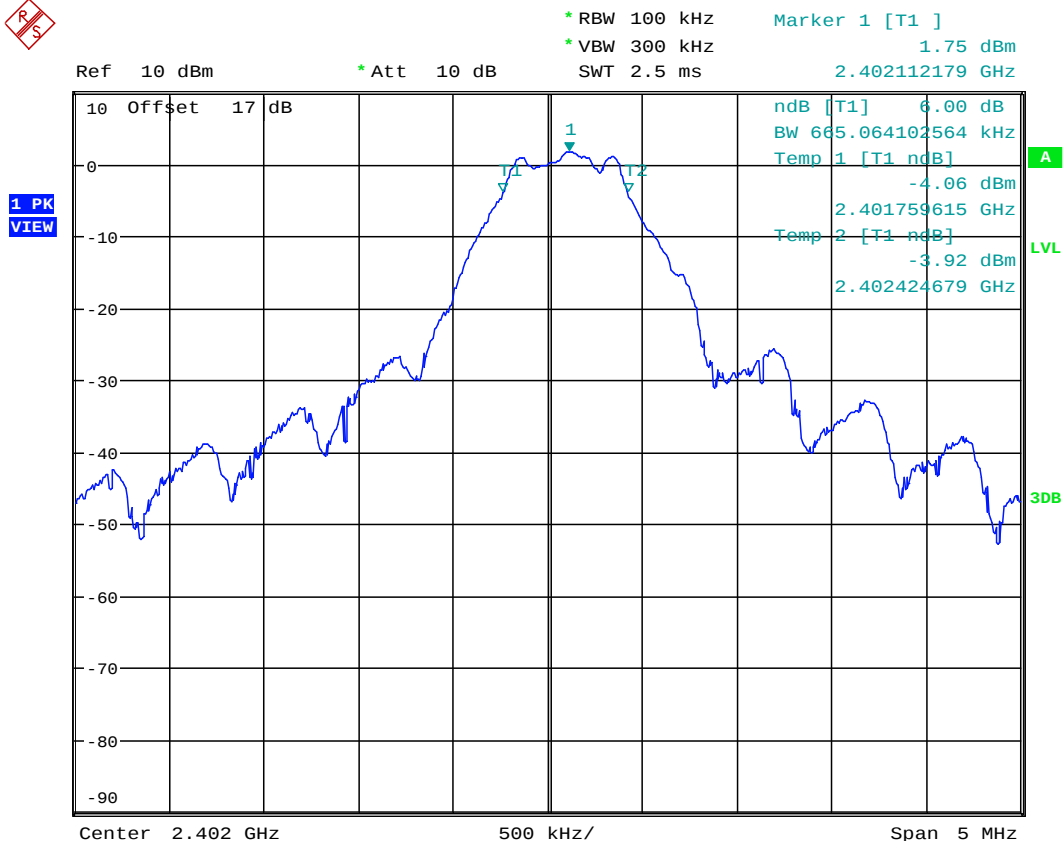


Registration number: W6M21506-15101-C-1
FCC ID: QSWDSCCS

3.7 Minimum 6 dB Bandwidth

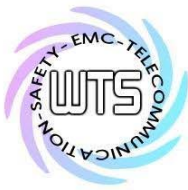
The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission. The 6 dB bandwidth is the frequency difference between the two markers.

BLE



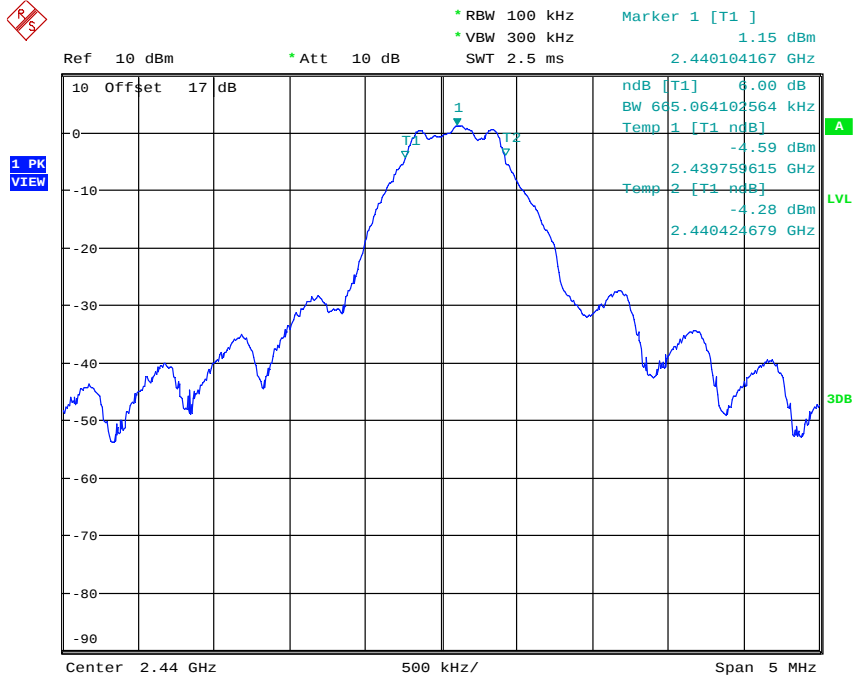
6DB BANDWIDTH BT4.0 CH00

Date: 17.JUL.2015 10:41:28

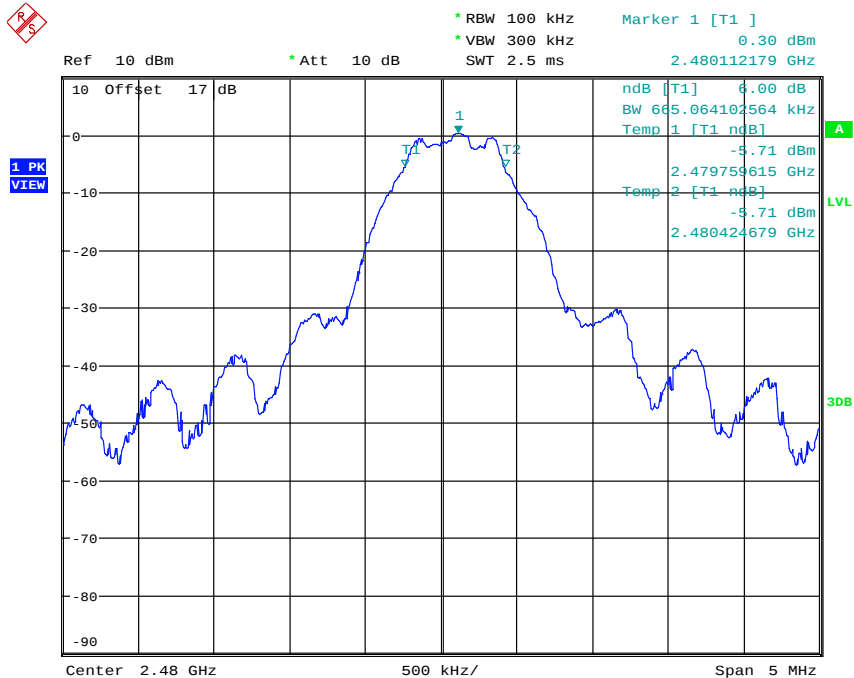


Worldwide Testing Services(Taiwan) Co., Ltd.

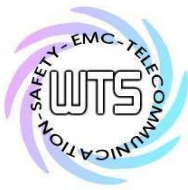
Registration number: W6M21506-15101-C-1
FCC ID: QSWDSCCS



6DB BANDWIDTH BT4.0 CH19
Date: 17.JUL.2015 10:39:40



6DB BANDWIDTH BT4.0 CH39
Date: 17.JUL.2015 10:40:24

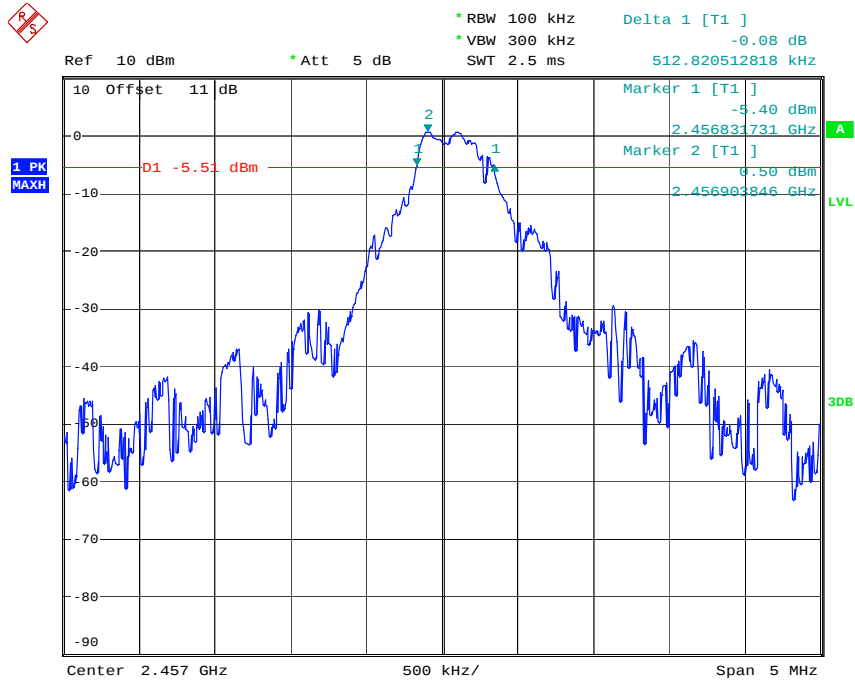


Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

ANT+

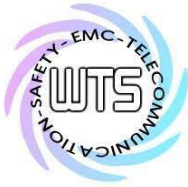


6DB BANDWIDTH 2457MHz
Date: 15.JUL.2015 17:35:13

Limits:

Frequency Range MHz	Limits
902-928	min 500 kHz
2400-2483.5	min 500 kHz
5725-5850	min 500 kHz

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



Registration number: W6M21506-15101-C-1

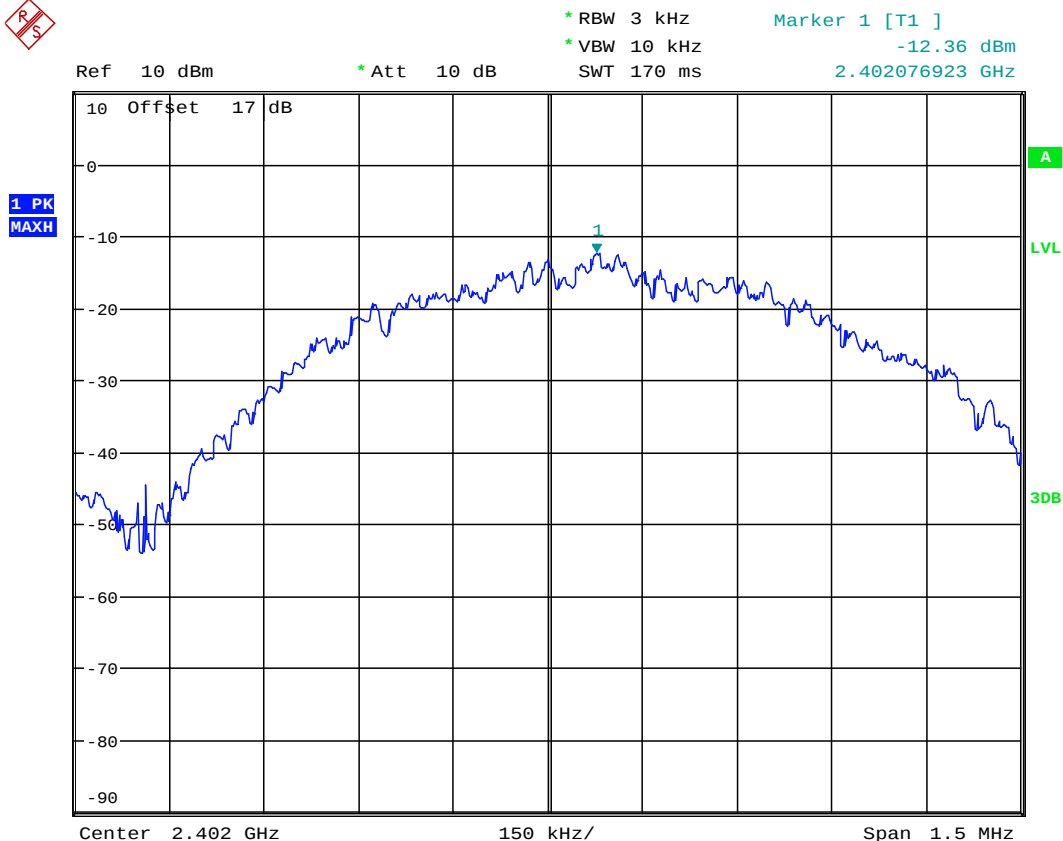
FCC ID: QSWDSCCS

3.8 Peak Power Spectral Density

Peak Power Spectral density is a measured at low, middle and high channel.

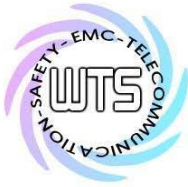
The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep time.

BLE

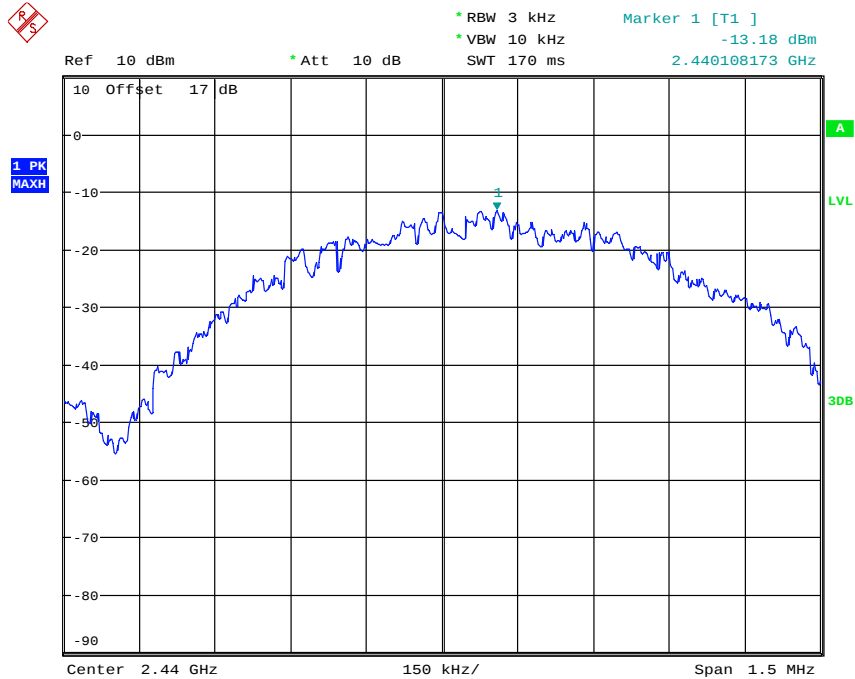


POWER DENSITY BT4.0 CH00

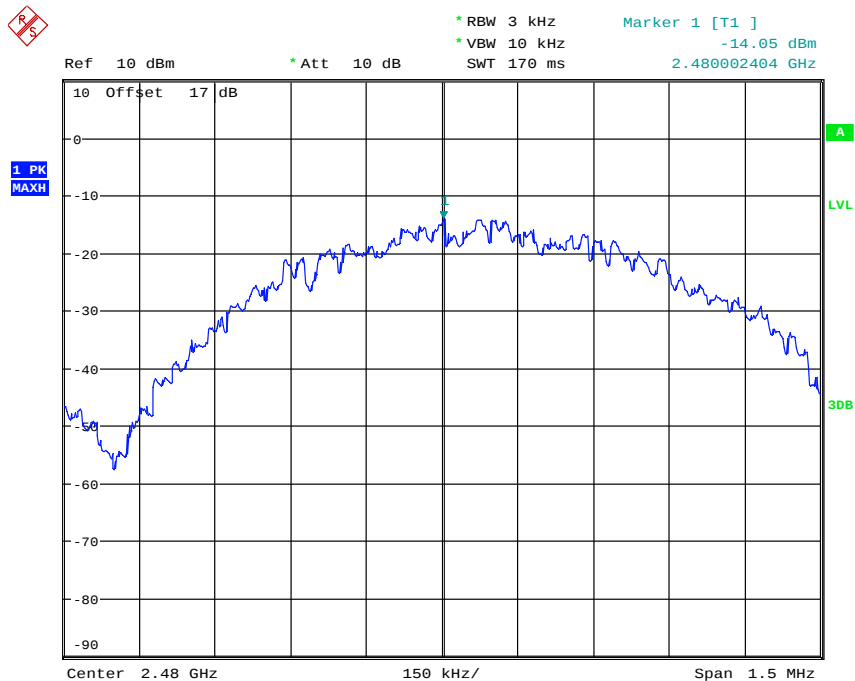
Date: 17.JUL.2015 10:41:40



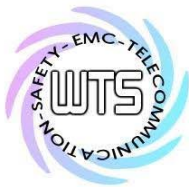
Registration number: W6M21506-15101-C-1
FCC ID: QSWDSCCS



POWER DENSITY BT4.0 CH19
Date: 17.JUL.2015 10:39:52



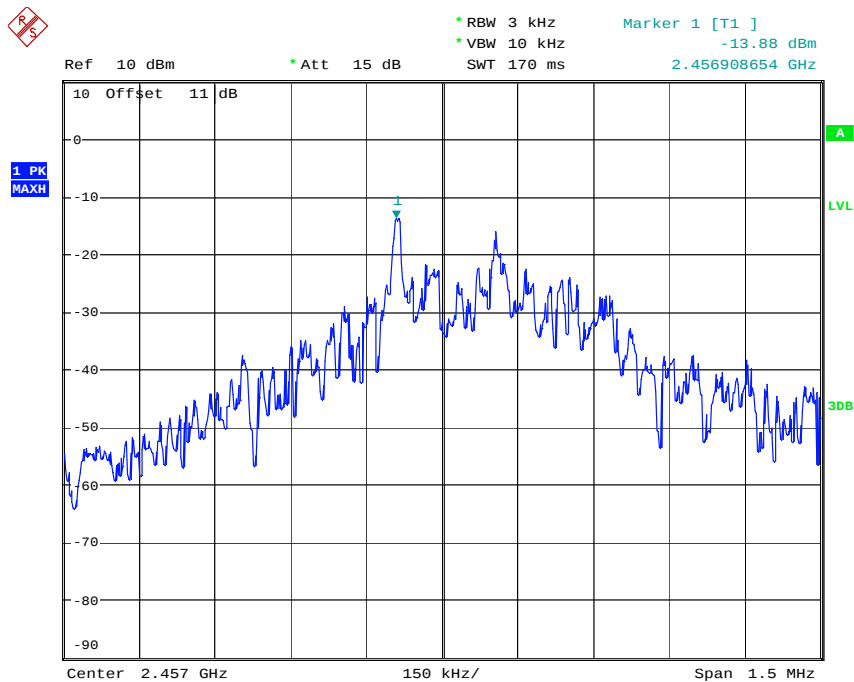
POWER DENSITY BT4.0 CH39
Date: 17.JUL.2015 10:40:36



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21506-15101-C-1
FCC ID: QSWDSCCS

ANT+

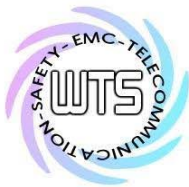


POWER DENSITY 2457MHz
Date: 6.AUG.2015 17:35:33

Limits:

Frequency Range MHz	dBm
902-928	8
2400-2483.5	8
5725-5850	8

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



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

3.9 Radiated Emission from Receiver Part

FCC Rule: 15.109

Summary table with radiated data of the test plots

Model: ZASC1D

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 (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (m)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Note

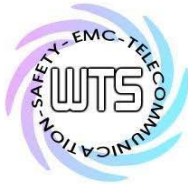
1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
2. **The formula of measured value as: Test Result = Reading + Correction Factor**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**
5. **Measurement uncertainty for 3m measurement: 30-1000 MHz = ± 4.32 dB, 1-18 GHz = ± 4.95 dB, 18-40 GHz = ± 2.94 dB ; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.**
6. **Please see attached diagrams in Appendix.**

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

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

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



Registration number: W6M21506-15101-C-1

FCC ID: QSWDSCCS

3.10 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: ZASC1D Date: --
Mode: -- Temperature: -- °C Engineer: --
Polarization: N Humidity: -- %

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

Polarization: L1

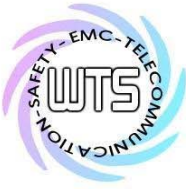
Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV)		Limit (dBuV)		Margin (dB)
	QP	Ave.		QP	Ave.	QP	Ave.	
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

- Note:**
1. The formula of measured value as: **Test Result = Reading + Correction Factor**
 2. The **Correction Factor = Cable Loss + LISN Insertion Loss + Pulse Limit Loss**
 3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average
 4. All not in the table noted test results are more than 20 dB below the relevant limits.
 5. Measurement uncertainty = $\pm 1.67\text{dB}$; Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.
 6. 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 006, ETSTW-RE 045



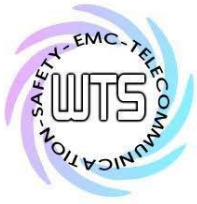
Appendix

A Photos

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

B Measurement diagrams

Spurious Emissions radiated



Worldwide Testing Services(Taiwan) Co., Ltd.

TX_Bluetooth



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:38:51

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	191.3427	22.26	peak	12.58	34.84	43.50	100	50	-8.66	
*	335.1904	24.93	peak	16.99	41.92	46.00	100	135	-4.08	



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

Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:39:40

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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
*	43.6072	20.36	peak	14.82	35.18	40.00	100	120	-4.82	
	166.0721	22.83	peak	15.25	38.08	43.50	100	55	-5.42	

*: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 :#1

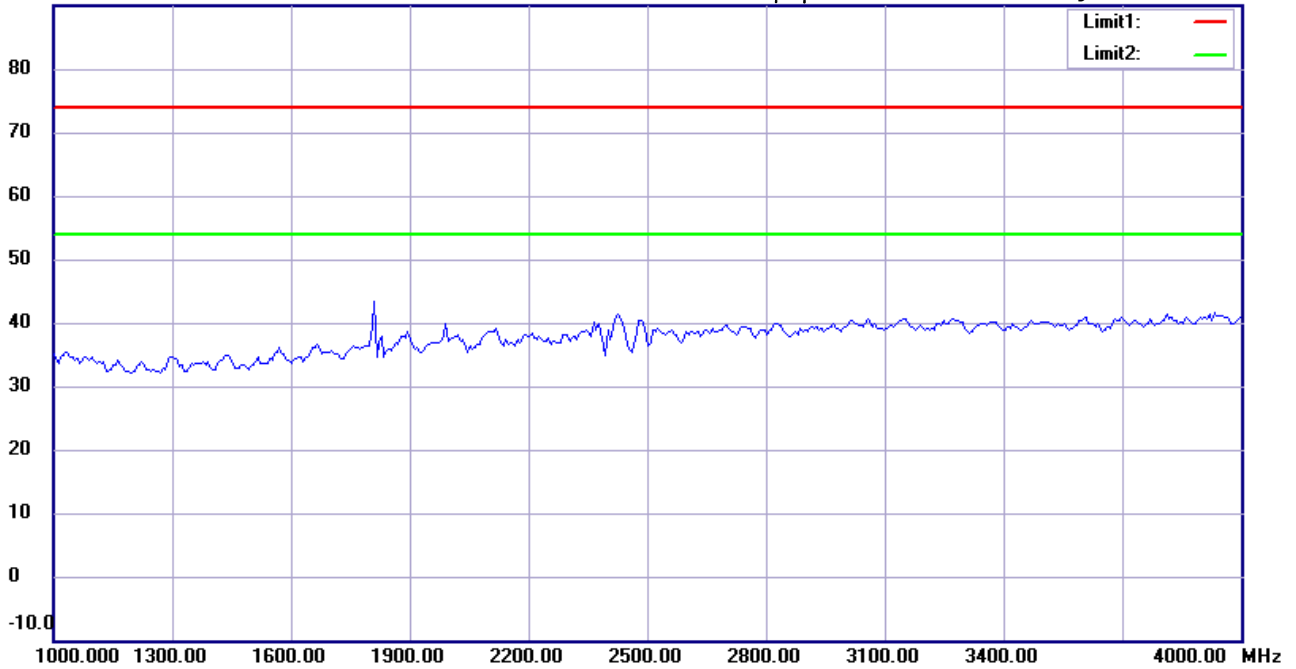
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:13:44

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

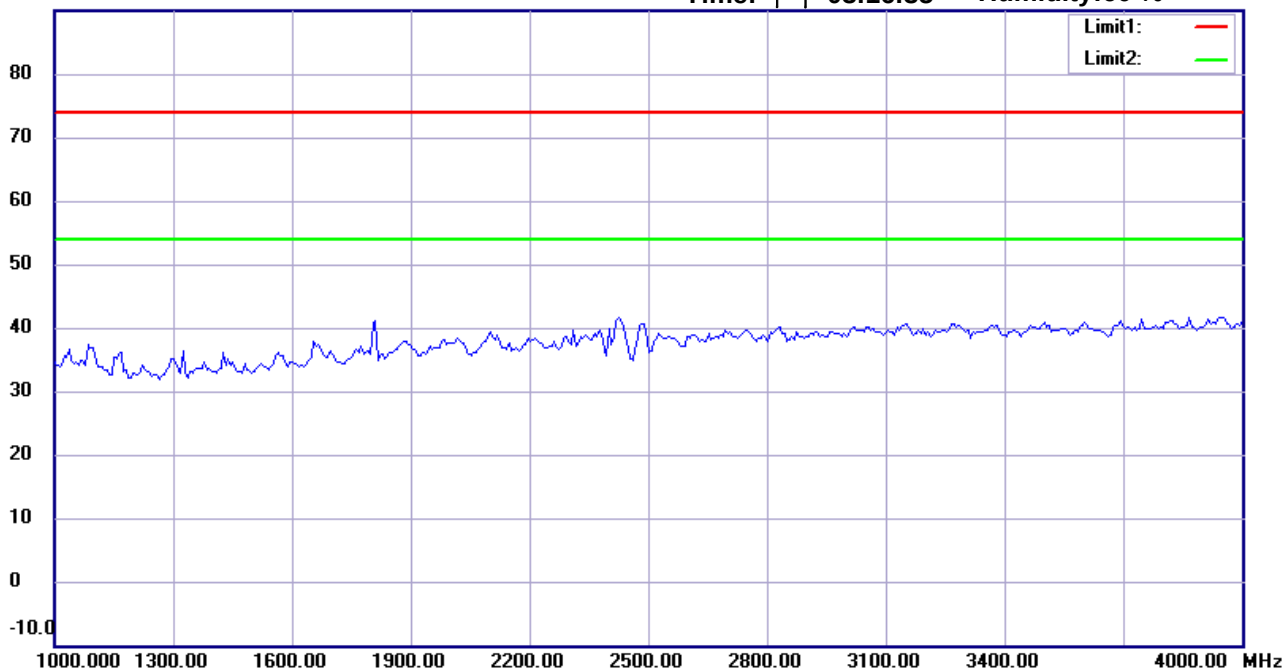
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:16:35

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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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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 :#2

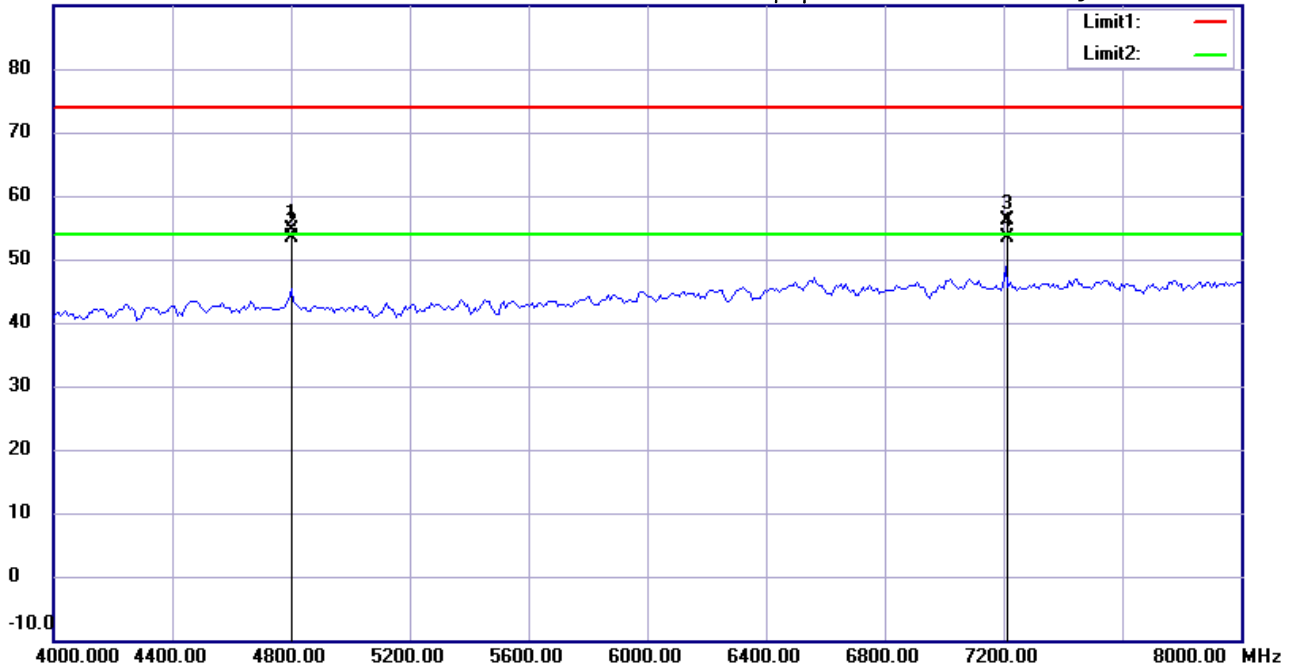
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:14:30

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	4801.603	53.46	peak	1.14	54.60	74.00	160	155	-19.40	
*	4801.603	52.33	AVG	1.14	53.47	54.00	160	155	-0.53	
	7206.413	51.38	peak	4.73	56.11	74.00	170	237	-17.89	
	7206.413	48.71	AVG	4.73	53.44	54.00	170	237	-0.56	

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



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

Operator: Leon

File :3

Data :#7

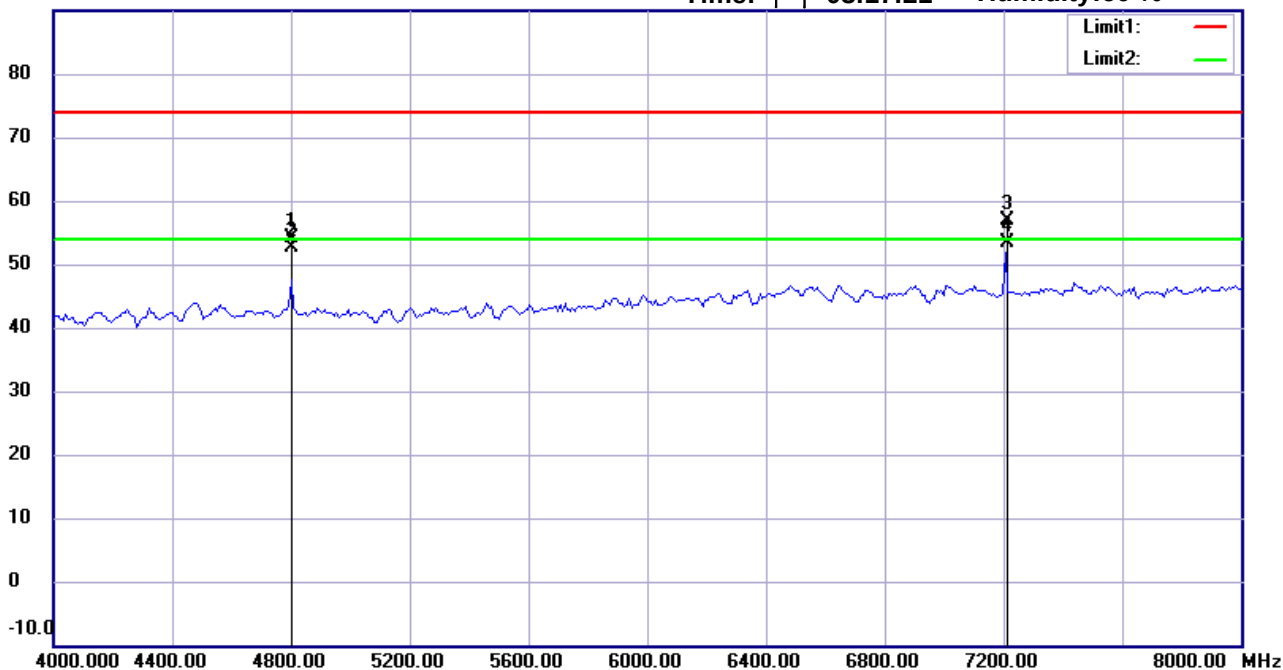
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:17:21

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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
	4801.603	53.06	peak	1.14	54.20	74.00	125	125	-19.80	
	4801.603	51.56	AVG	1.14	52.70	54.00	125	125	-1.30	
	7206.413	52.12	peak	4.73	56.85	74.00	120	197	-17.15	
*	7206.413	48.61	AVG	4.73	53.34	54.00	120	197	-0.66	

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



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

Operator: Leon

File :3

Data :#3

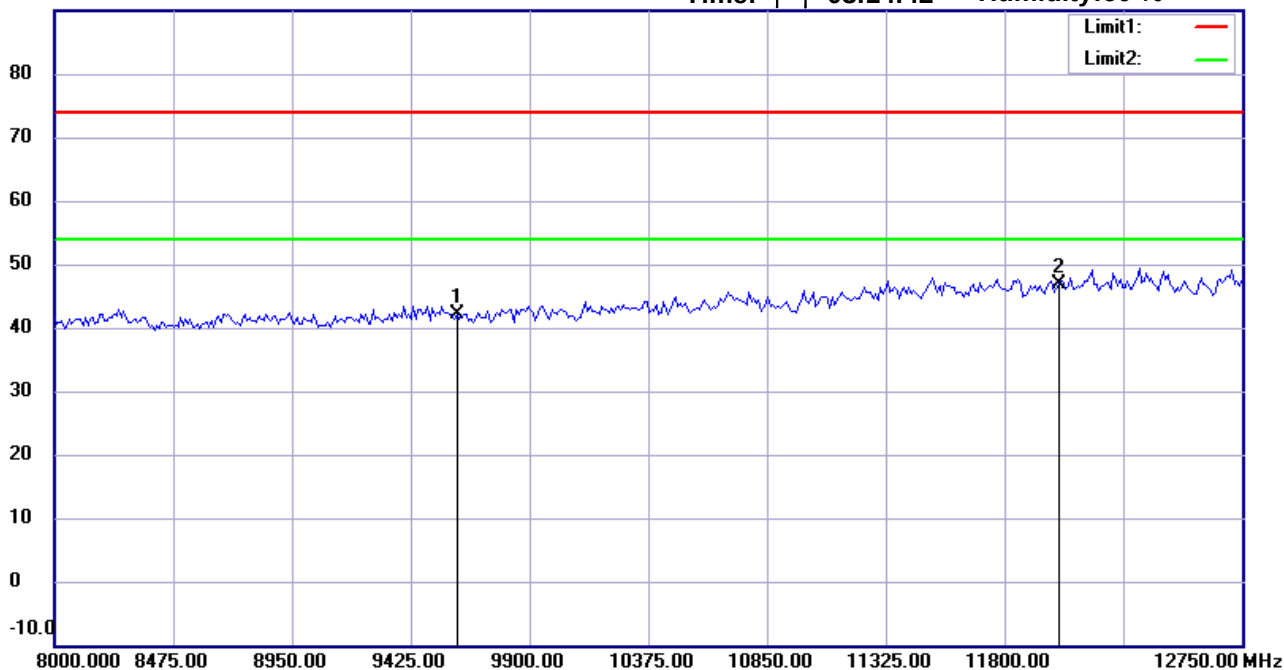
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:14:42

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	9608.000	34.40	peak	7.77	42.17	74.00	100	155	-31.83	
*	12010.000	33.30	peak	13.58	46.88	74.00	100	90	-27.12	

*: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 :#8

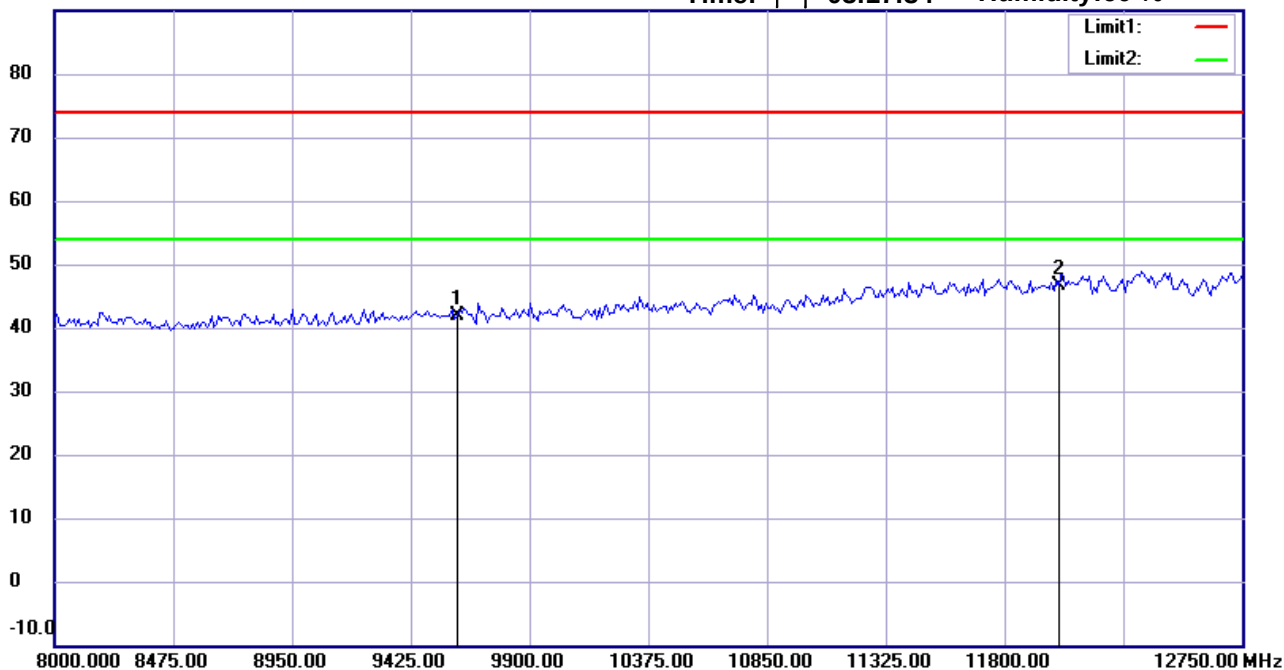
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:17:34

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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
	9608.000	34.12	peak	7.77	41.89	74.00	100	55	-32.11	
*	12010.000	32.97	peak	13.58	46.55	74.00	100	140	-27.45	

*: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 :#4

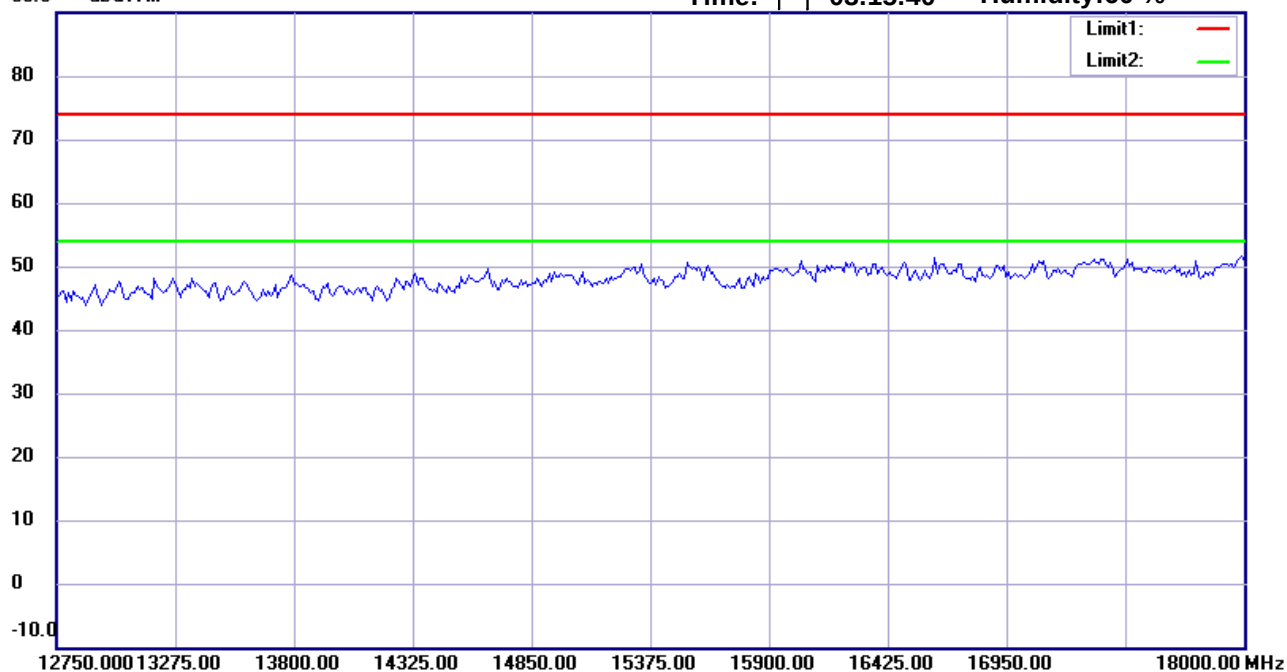
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:15:40

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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 :#9

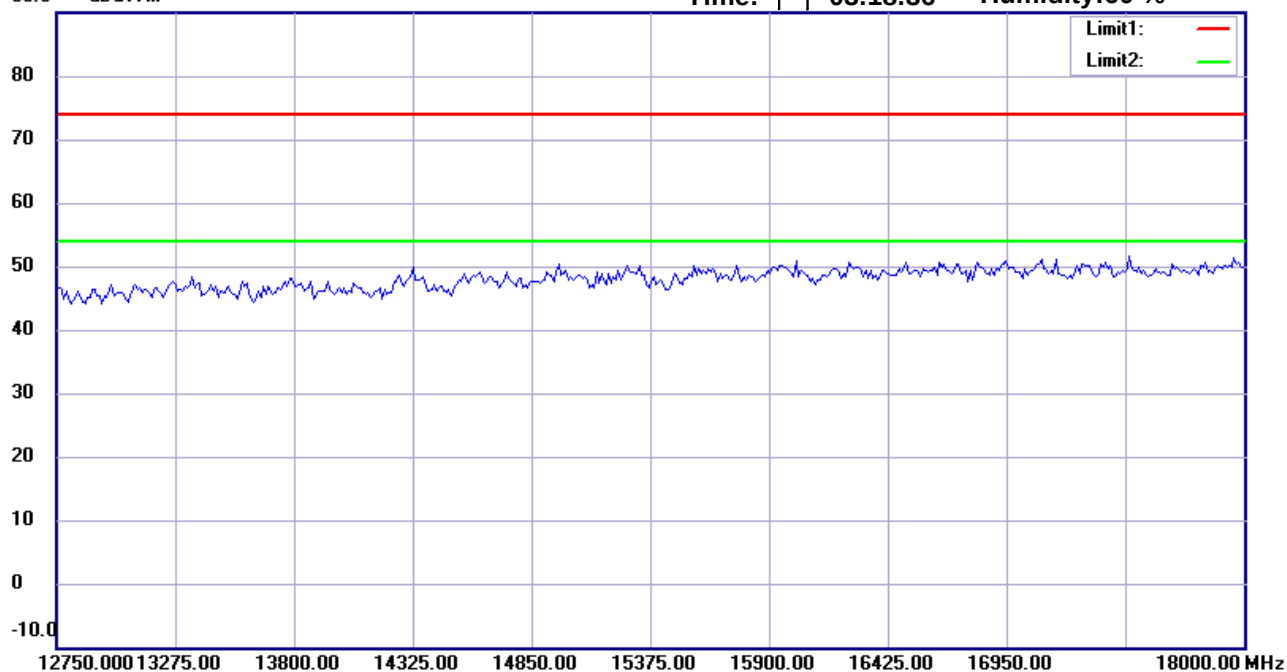
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:18:36

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: Vertical

Power : 3 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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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

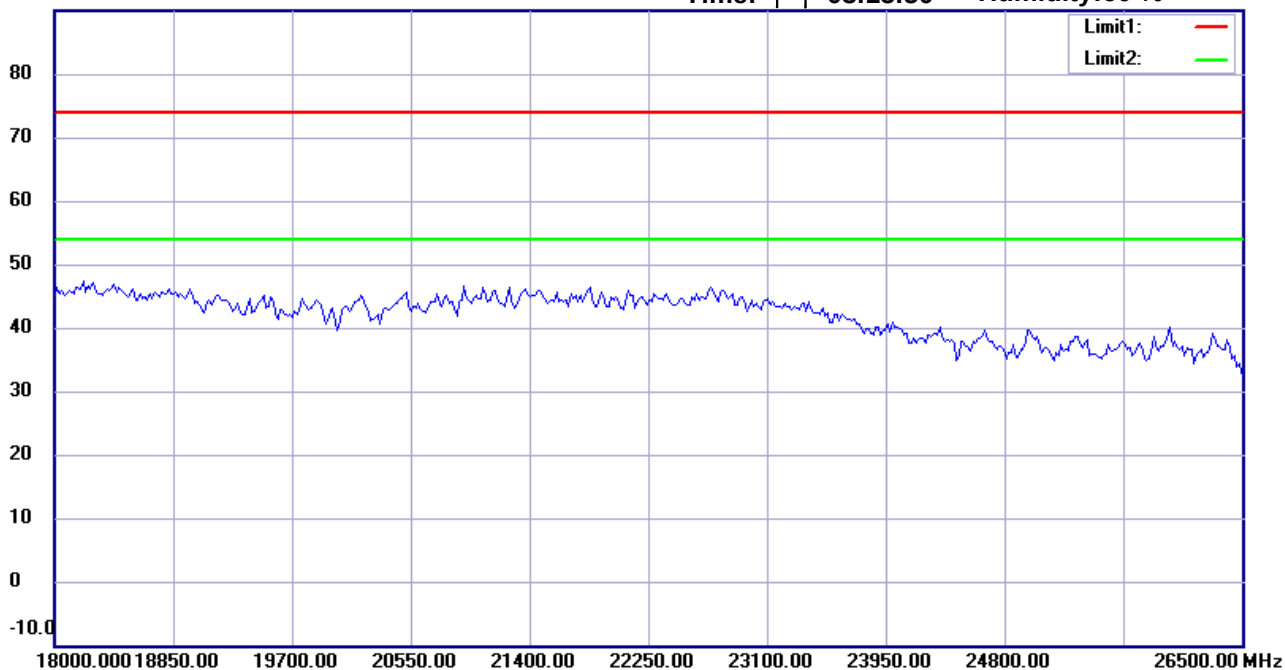
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:15:50

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

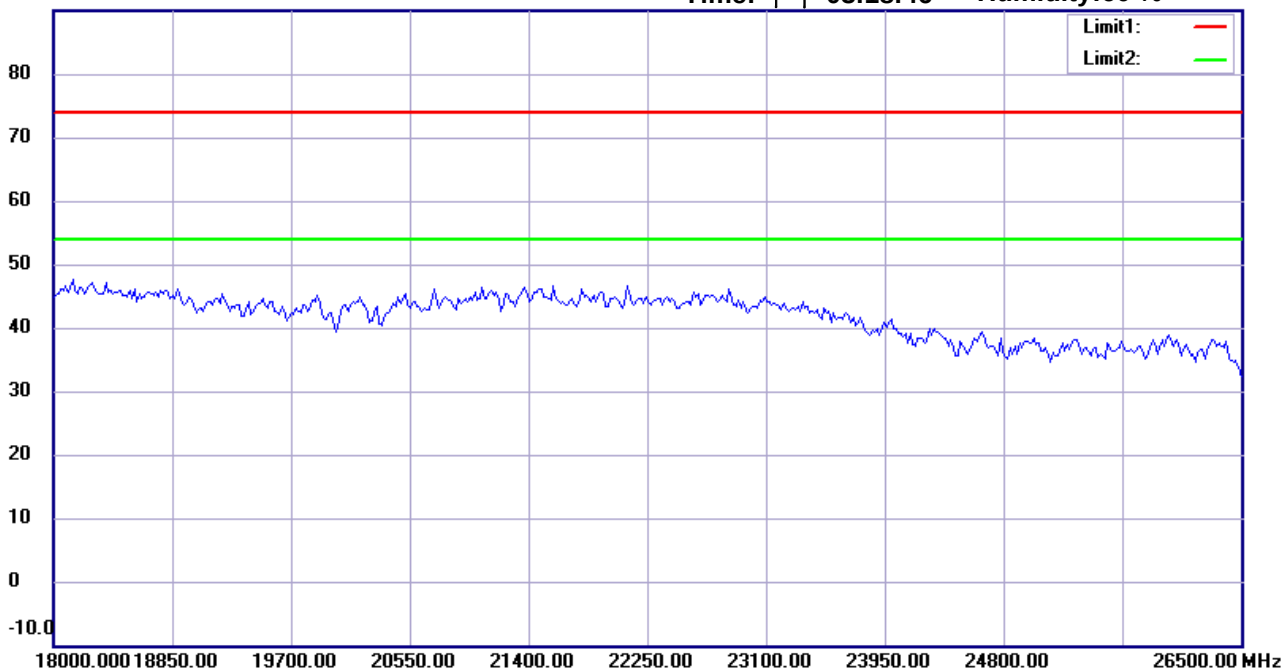
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:18:46

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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



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

Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

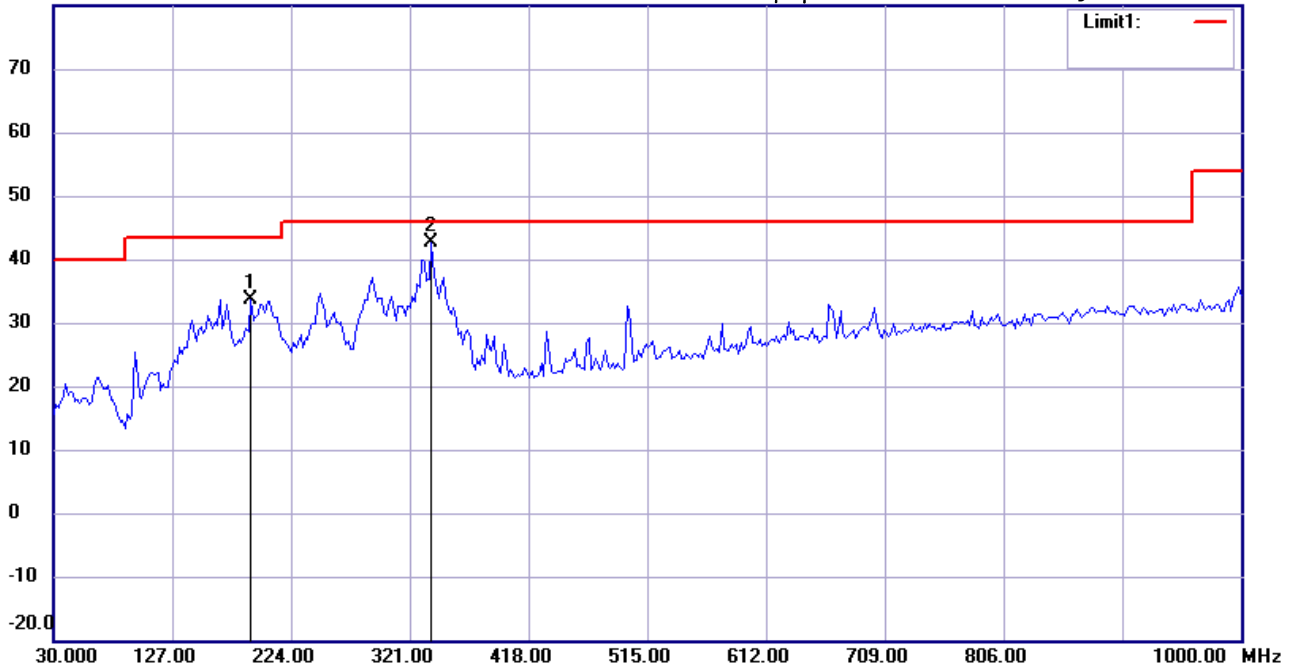
Date: 2015/8/1

Temperature: 24 °C

80.0 dBuV/m

Time: 下午 09:30:38

Humidity: 60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	191.3427	20.99	peak	12.58	33.57	43.50	100	90	-9.93	
*	339.0781	25.45	peak	17.10	42.55	46.00	100	55	-3.45	

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



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

Operator: Leon

File :1

Data :#2

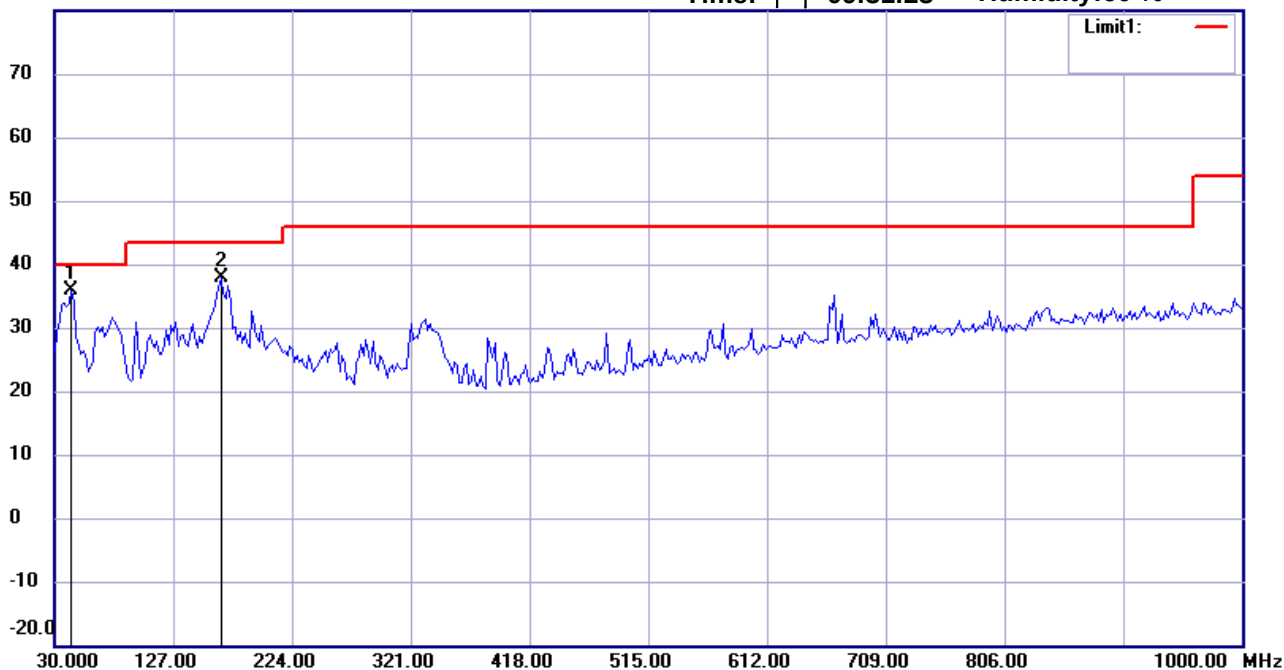
Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:31:23

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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
*	43.6072	21.16	peak	14.82	35.98	40.00	100	130	-4.02	
	166.0721	22.52	peak	15.25	37.77	43.50	100	155	-5.73	

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



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

Operator: Leon

File :3

Data :#1

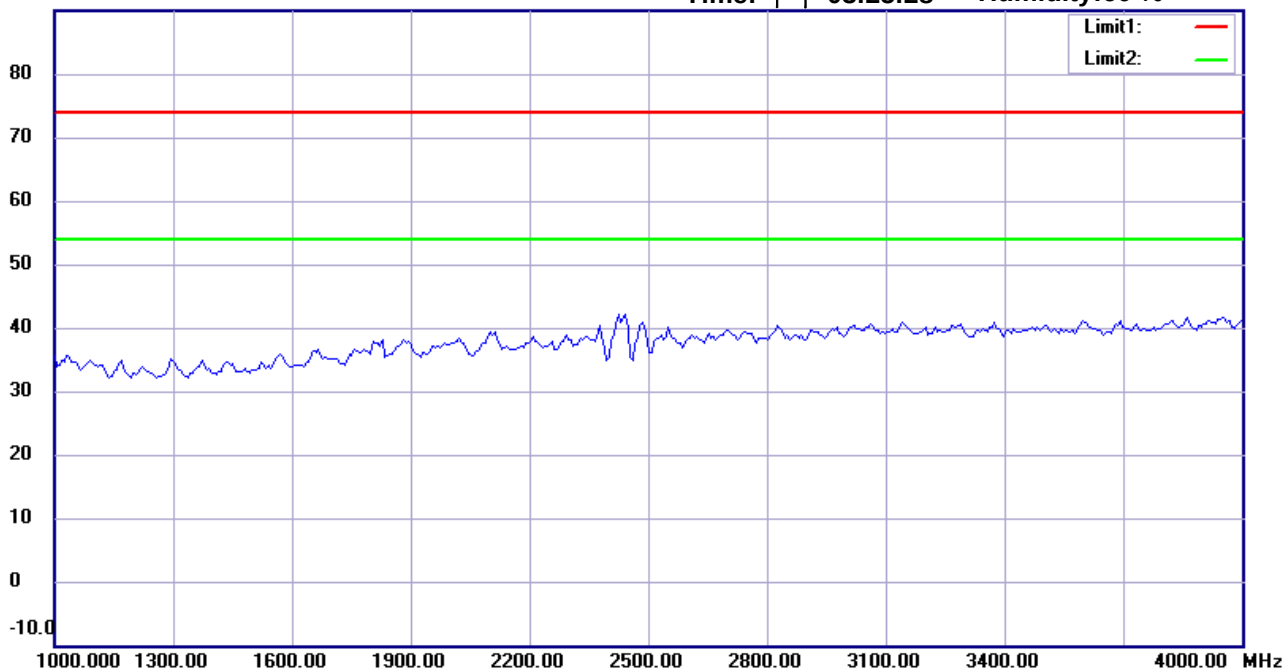
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:25:28

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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

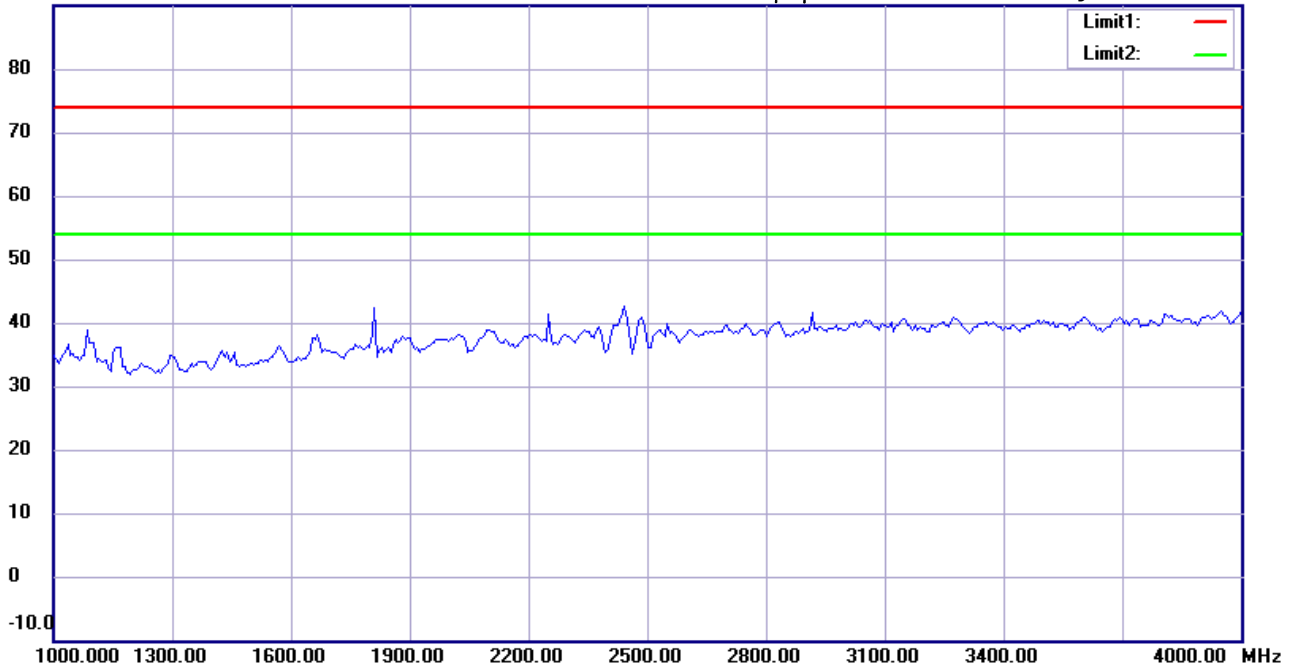
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:28:19

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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



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

Operator: Leon

File :3

Data :#2

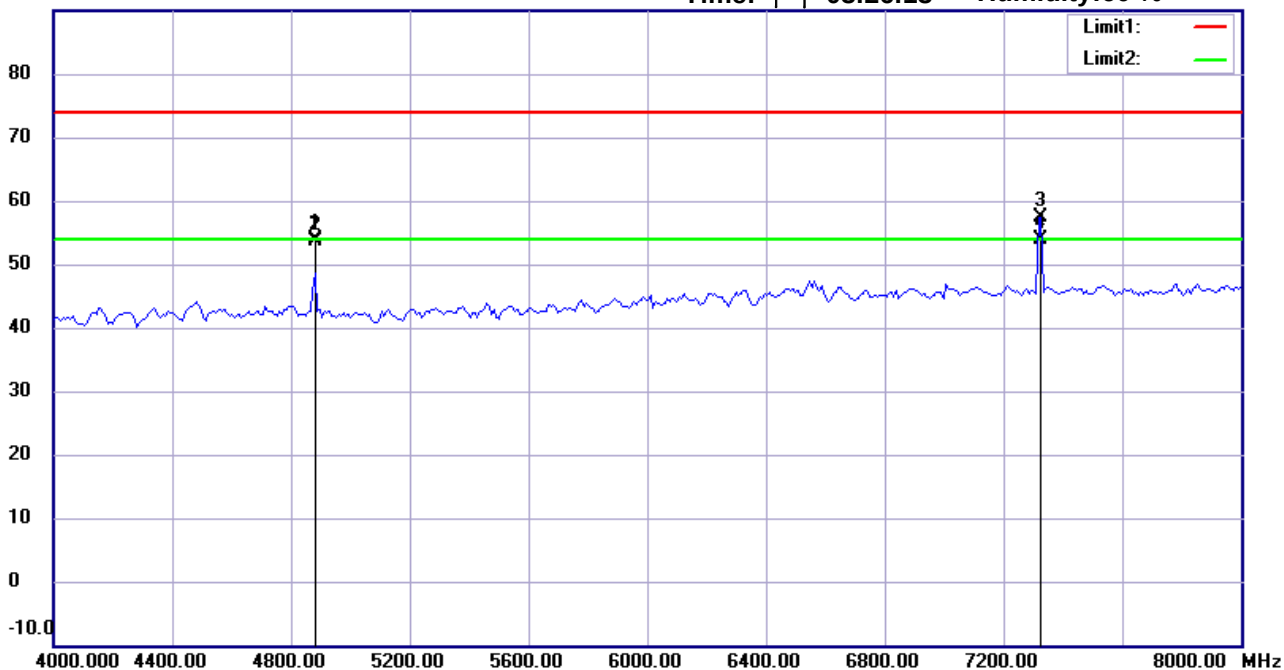
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:26:13

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	4880.255	52.69	peak	1.19	53.88	74.00	170	275	-20.12	
	4880.255	52.37	AVG	1.19	53.56	54.00	170	275	-0.44	
	7320.305	52.39	peak	5.01	57.40	74.00	170	213	-16.60	
*	7320.305	48.79	AVG	5.01	53.80	54.00	170	213	-0.20	

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



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

Operator: Leon

File :3

Data :#7

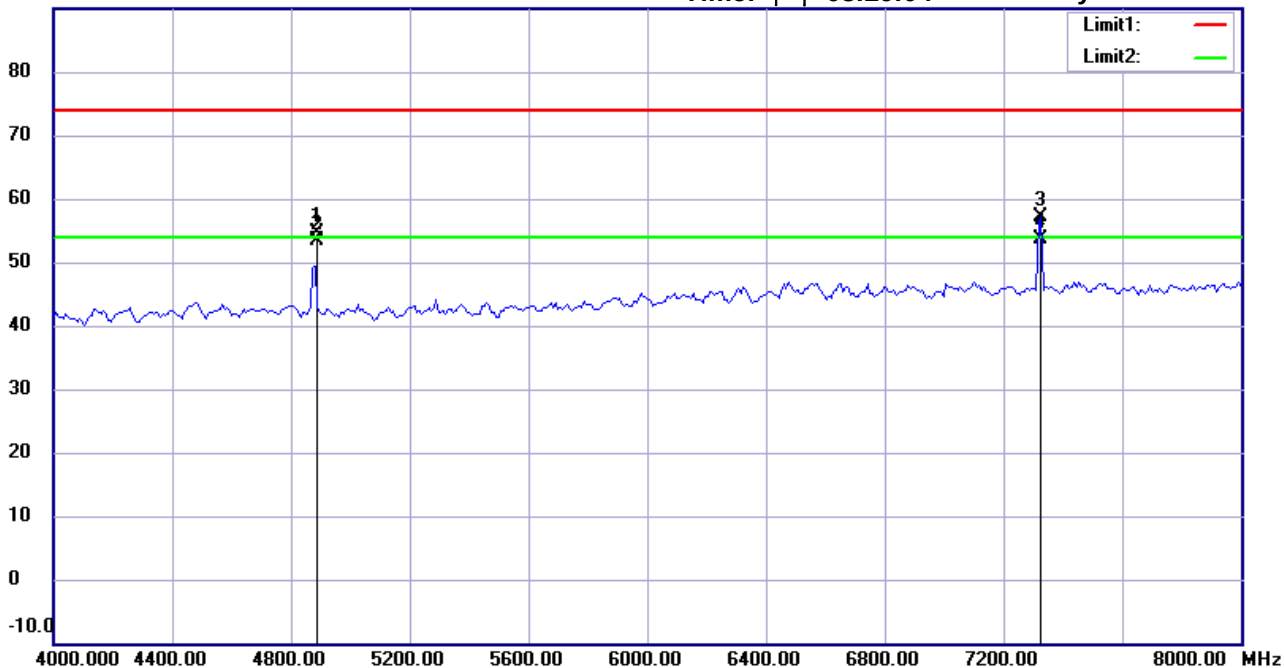
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:29:04

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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
	4881.764	53.37	peak	1.19	54.56	74.00	120	175	-19.44	
	4881.764	52.11	AVG	1.19	53.30	54.00	120	175	-0.70	
	7320.305	52.03	peak	5.01	57.04	74.00	120	293	-16.96	
*	7320.305	48.52	AVG	5.01	53.53	54.00	120	293	-0.47	

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



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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

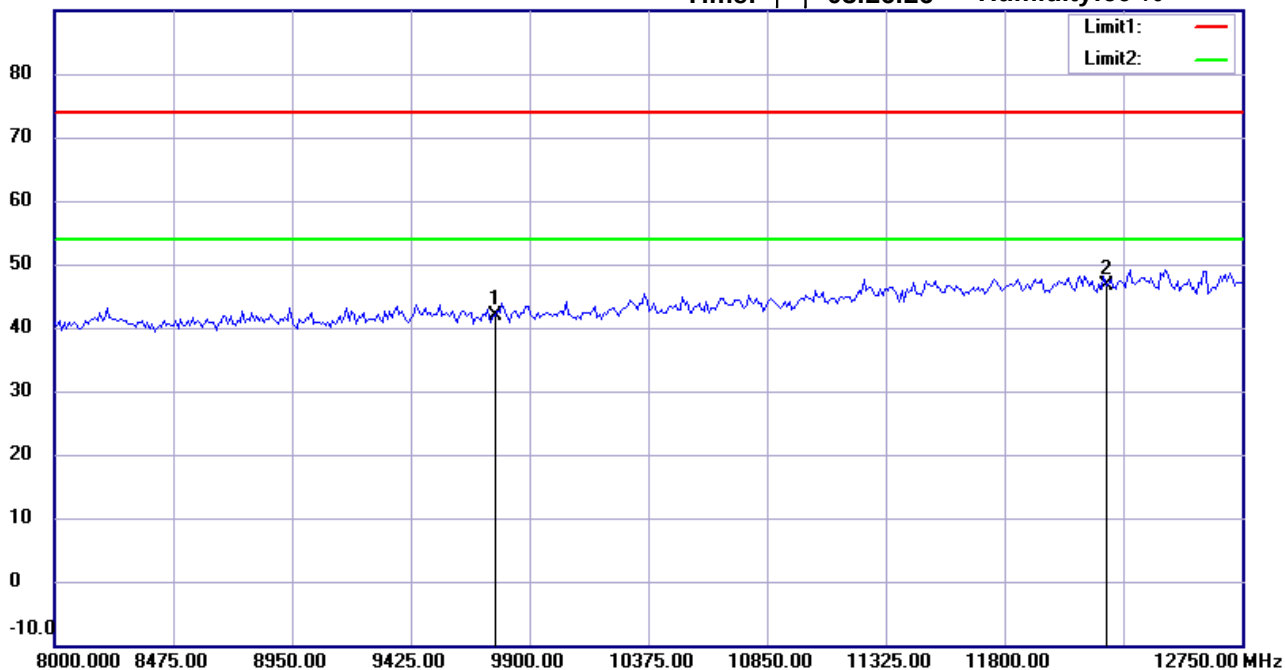
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:26:26

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Horizontal**

Power : 3 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
	9760.000	33.85	peak	8.00	41.85	74.00	100	175	-32.15	
*	12200.000	32.30	peak	14.44	46.74	74.00	100	80	-27.26	

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



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

Operator: Leon

File :3

Data :#8

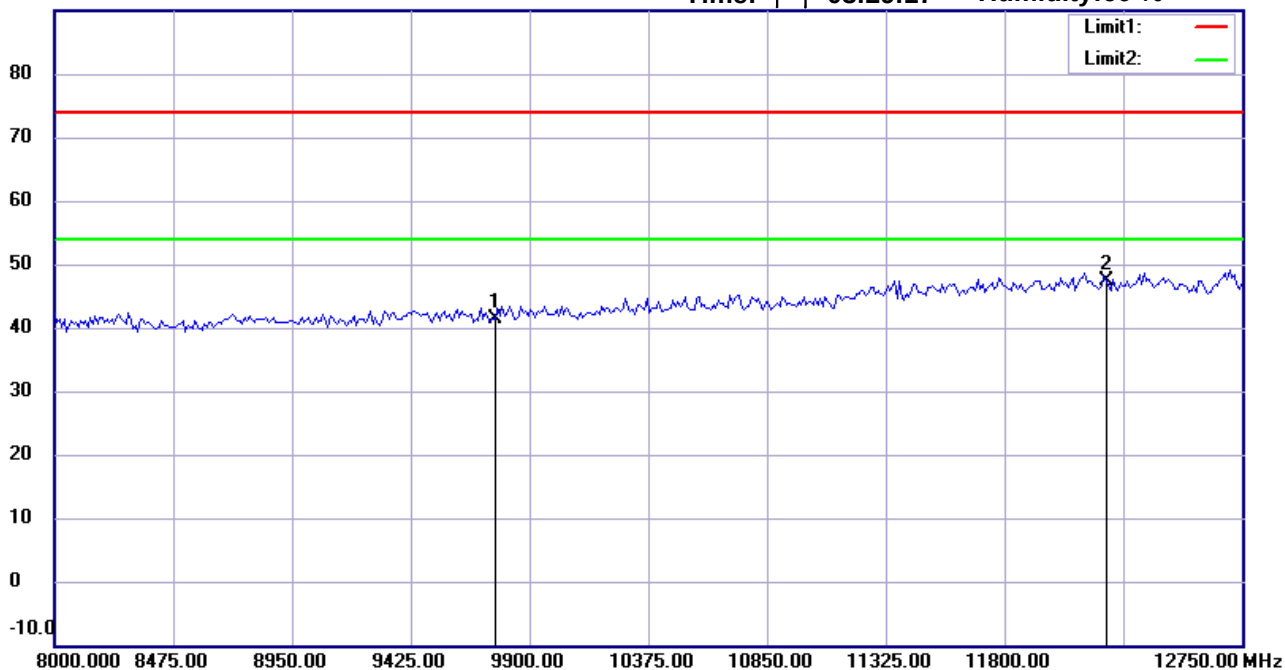
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:29:17

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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
	9760.000	33.44	peak	8.00	41.44	74.00	100	115	-32.56	
*	12200.000	32.84	peak	14.44	47.28	74.00	100	140	-26.72	

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



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

Radiated Emission Measurement

Operator: Leon

File : 3

Data : #4

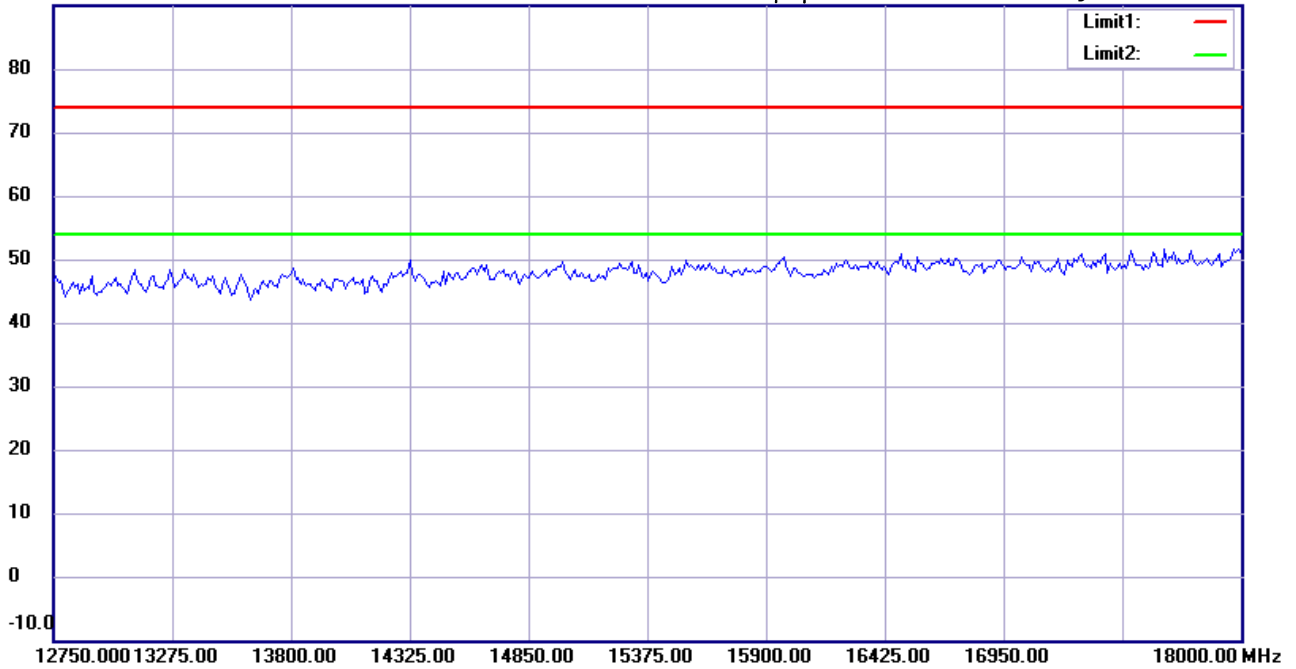
Date: 2015/8/1

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 03:27:24

Humidity: 60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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 :#9

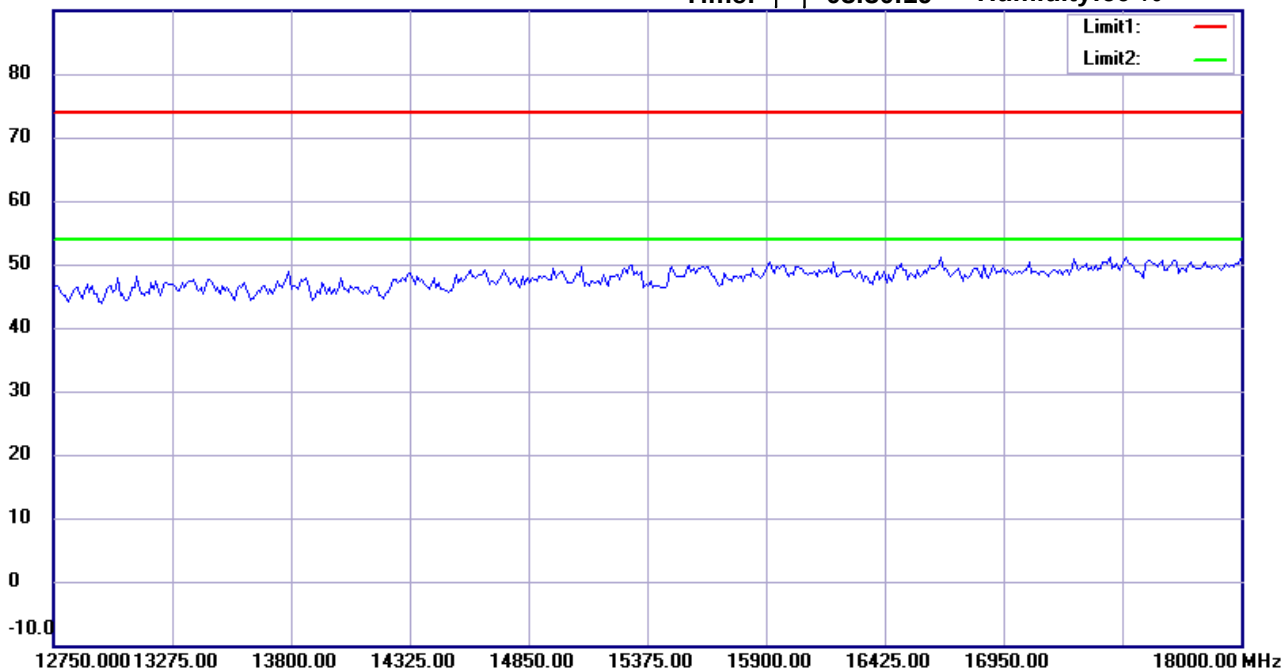
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:30:19

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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



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Radiated Emission Measurement

Operator: Leon

File : 3

Data : #5

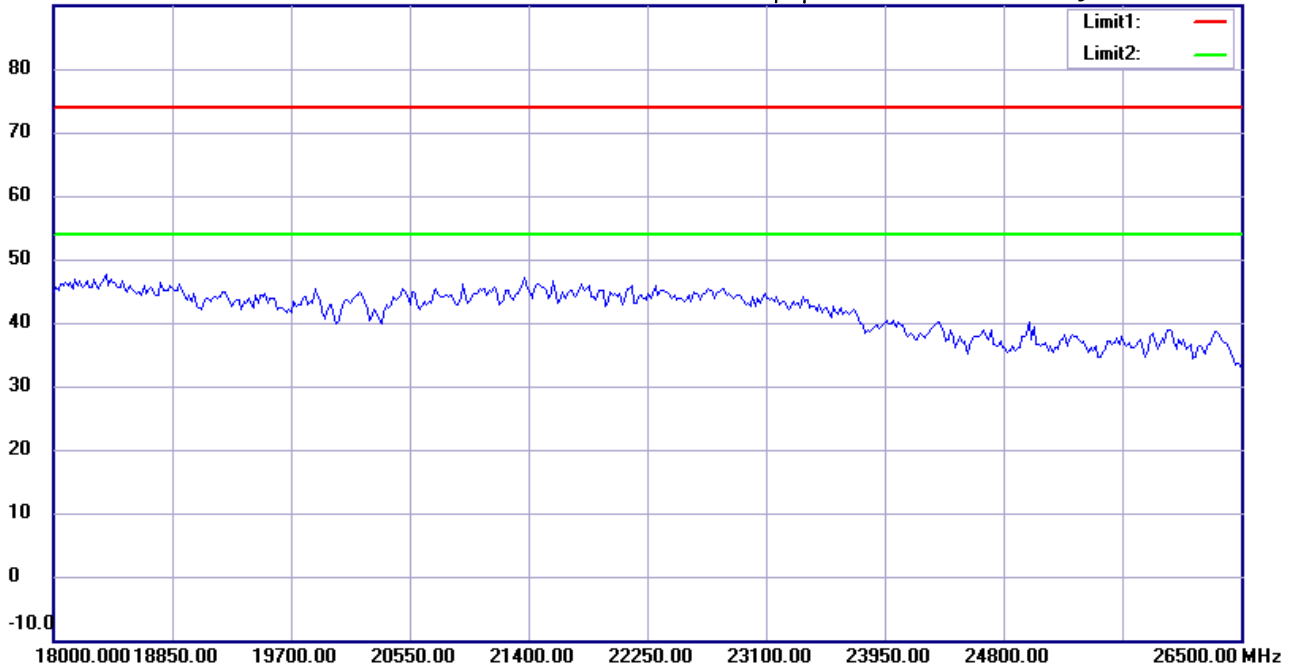
Date: 2015/8/1

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 03:27:33

Humidity: 60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

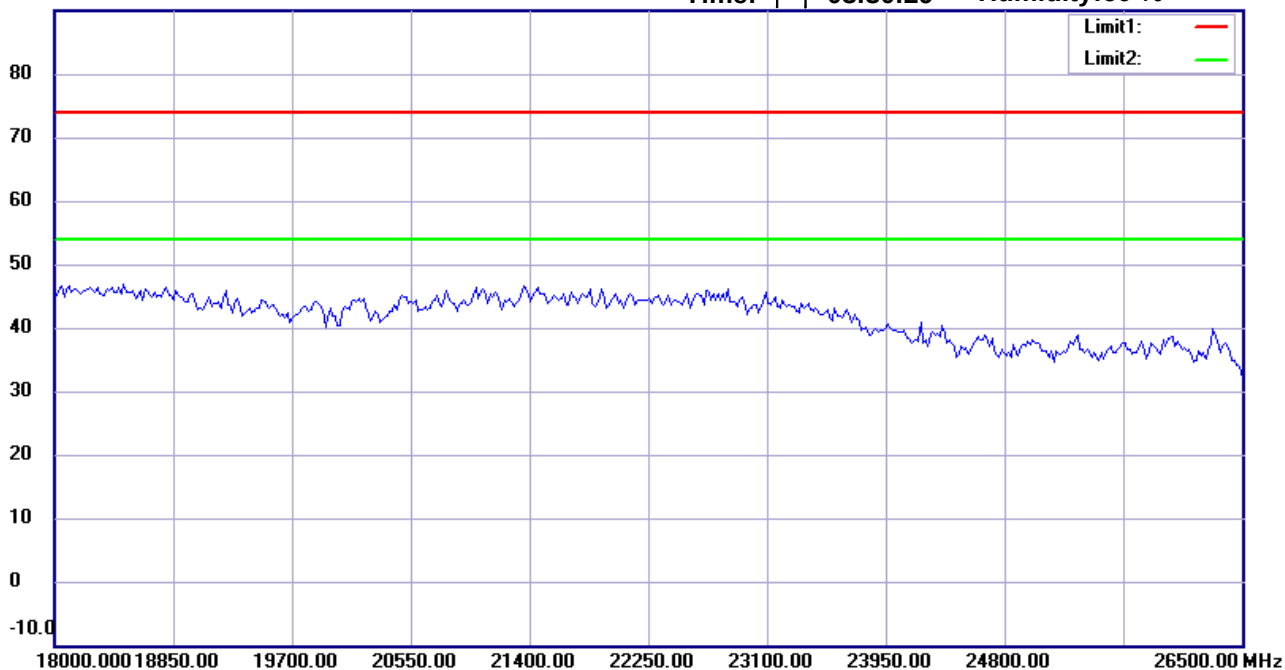
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:30:29

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:27:52

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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
*	199.1182	26.16	peak	12.15	38.31	43.50	100	95	-5.19	
	339.0781	23.60	peak	17.10	40.70	46.00	100	60	-5.30	



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Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

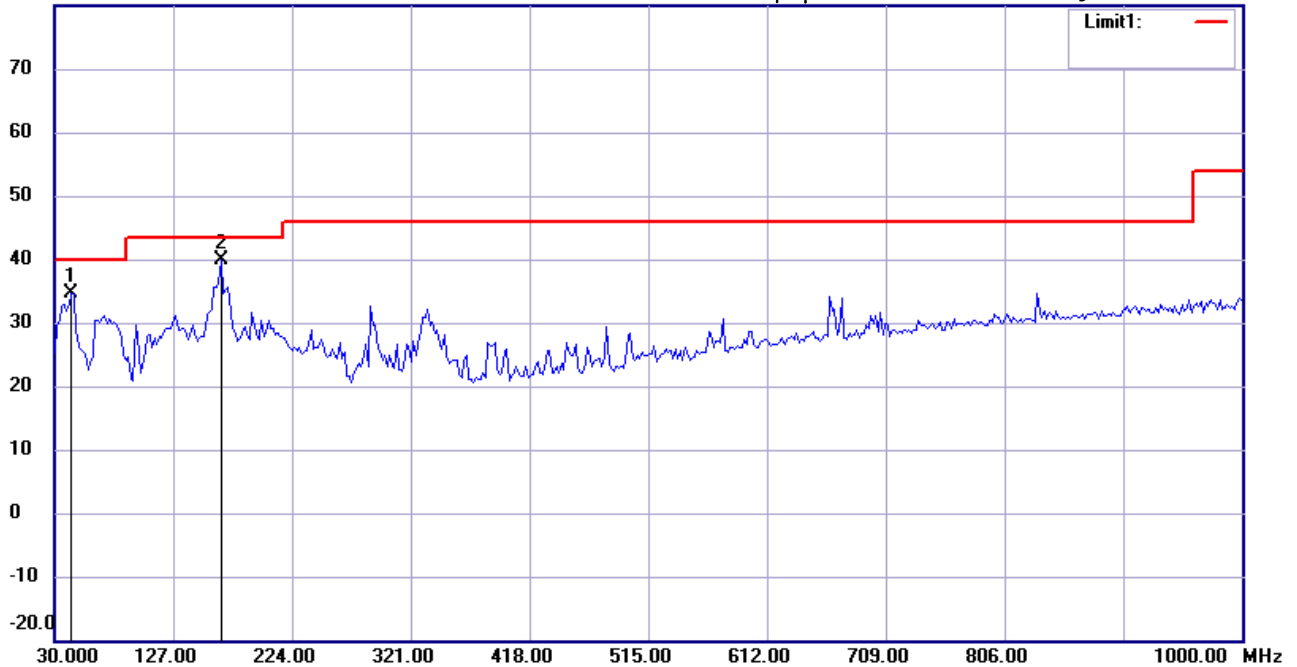
Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:28:37

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 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
	43.6072	19.70	peak	14.82	34.52	40.00	100	55	-5.48	
*	166.0721	24.67	peak	15.25	39.92	43.50	100	40	-3.58	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

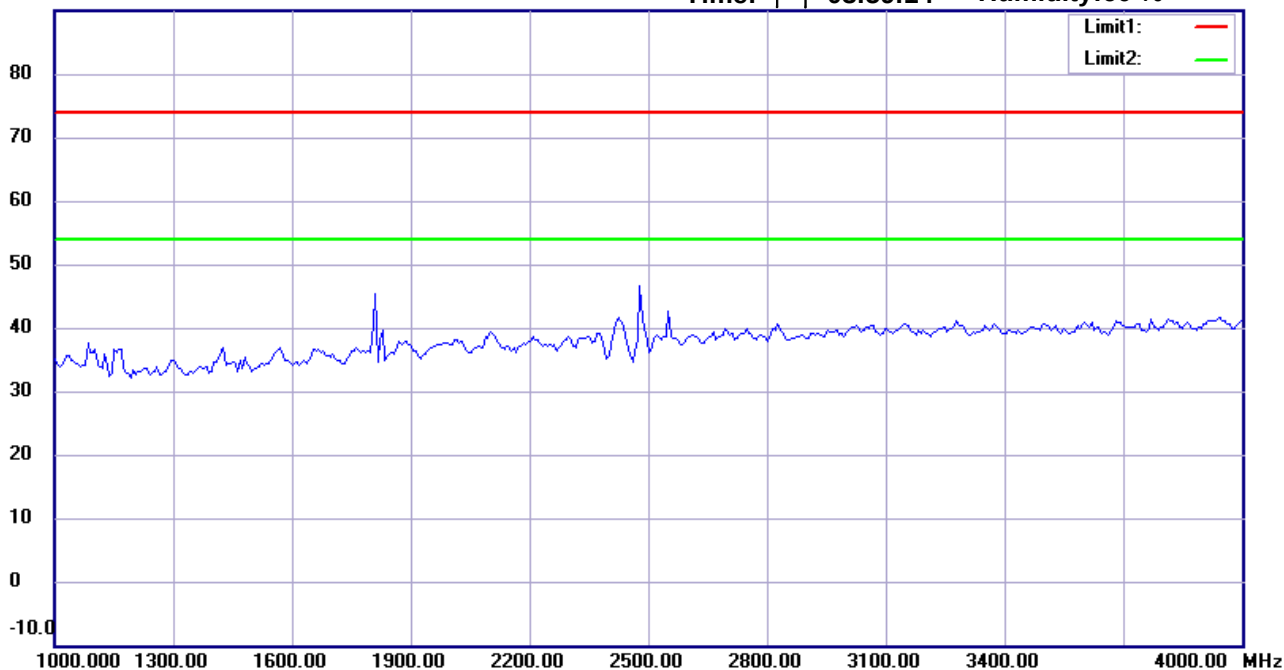
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:59:14

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

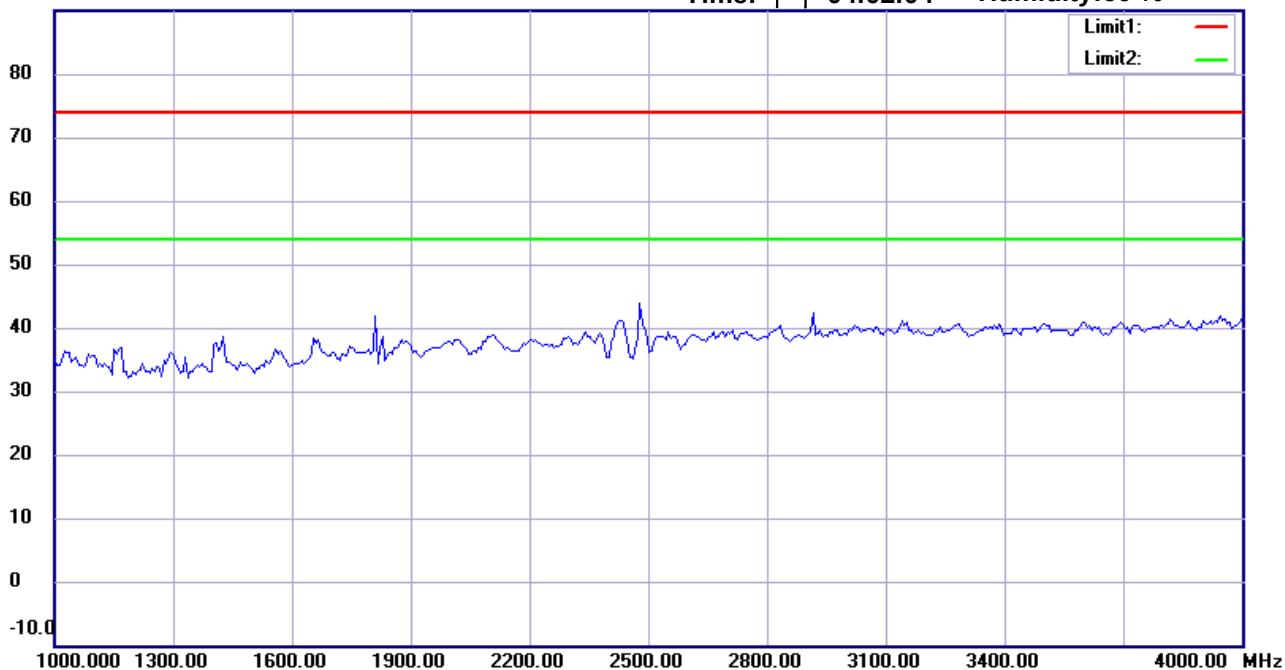
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:02:04

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 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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Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

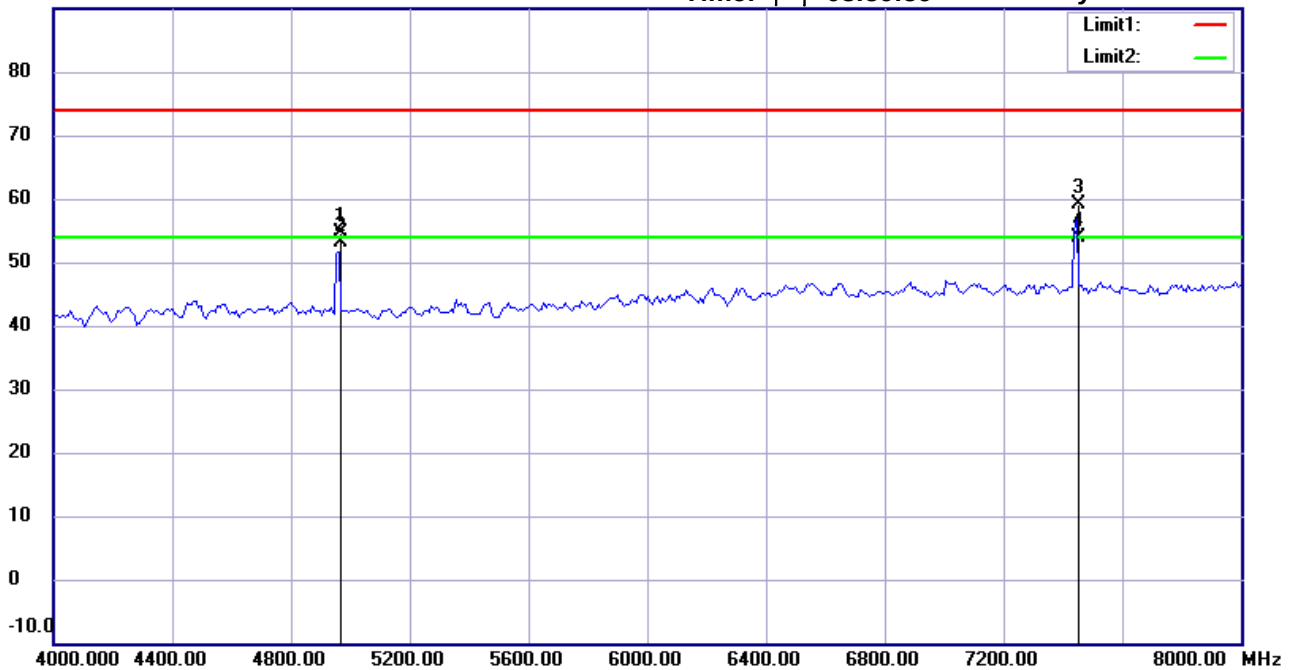
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:59:59

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	4961.924	53.25	peak	1.30	54.55	74.00	170	293	-19.45	
	4961.924	51.92	AVG	1.30	53.22	54.00	170	293	-0.78	
	7446.894	53.62	peak	5.39	59.01	74.00	170	197	-14.99	
*	7446.894	48.39	AVG	5.39	53.78	54.00	170	197	-0.22	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

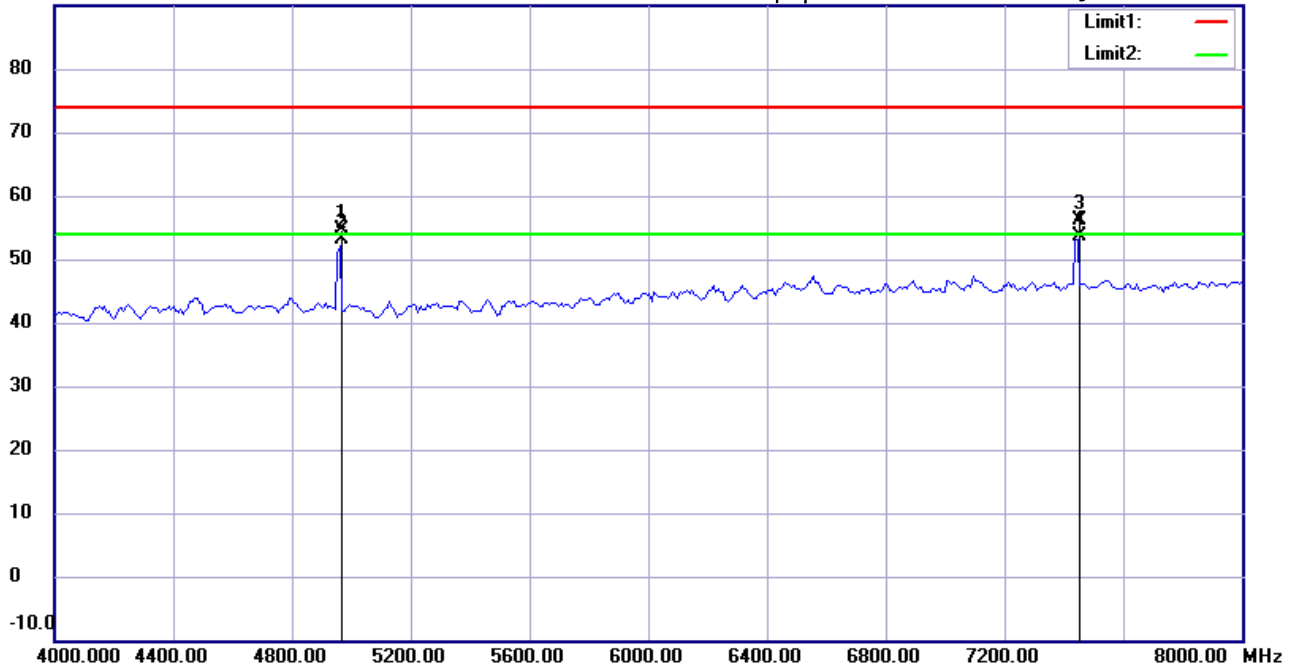
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:02:49

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 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
	4961.924	53.27	peak	1.30	54.57	74.00	125	273	-19.43	
	4961.924	51.76	AVG	1.30	53.06	54.00	125	273	-0.94	
	7446.894	50.86	peak	5.39	56.25	74.00	120	187	-17.75	
*	7446.894	48.32	AVG	5.39	53.71	54.00	120	187	-0.29	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

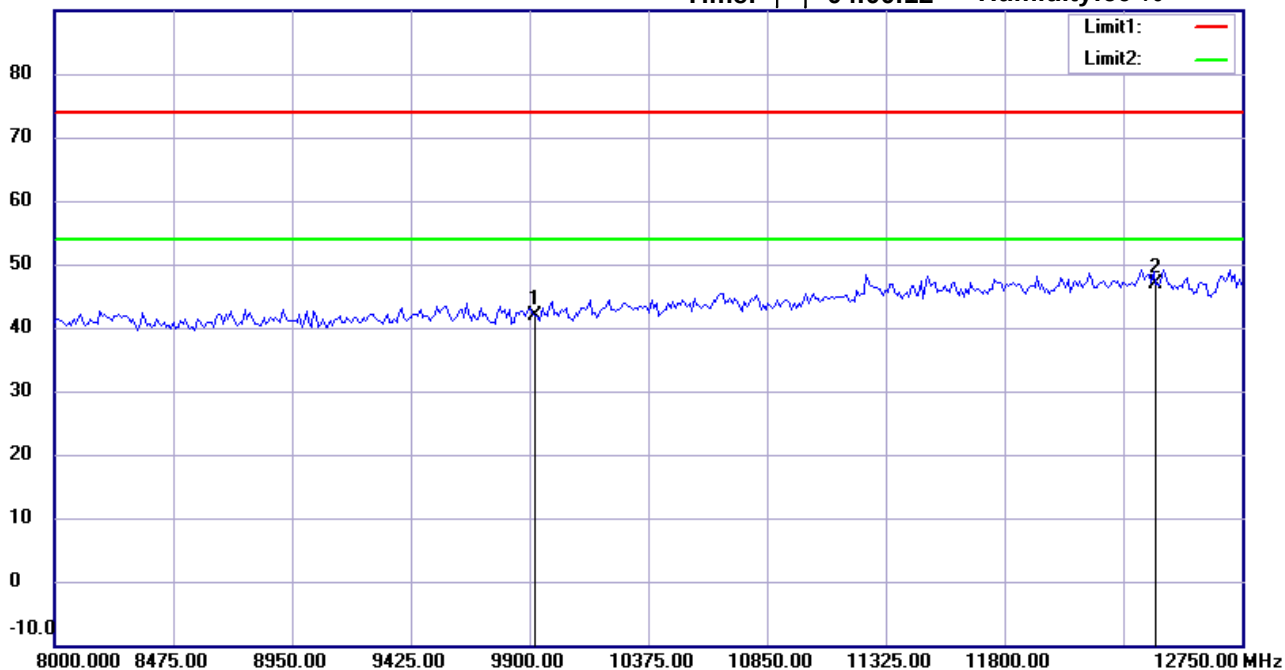
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:00:12

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Horizontal**

Power : 3 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
	9920.000	33.57	peak	8.43	42.00	74.00	100	85	-32.00	
*	12400.000	32.17	peak	14.81	46.98	74.00	100	30	-27.02	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

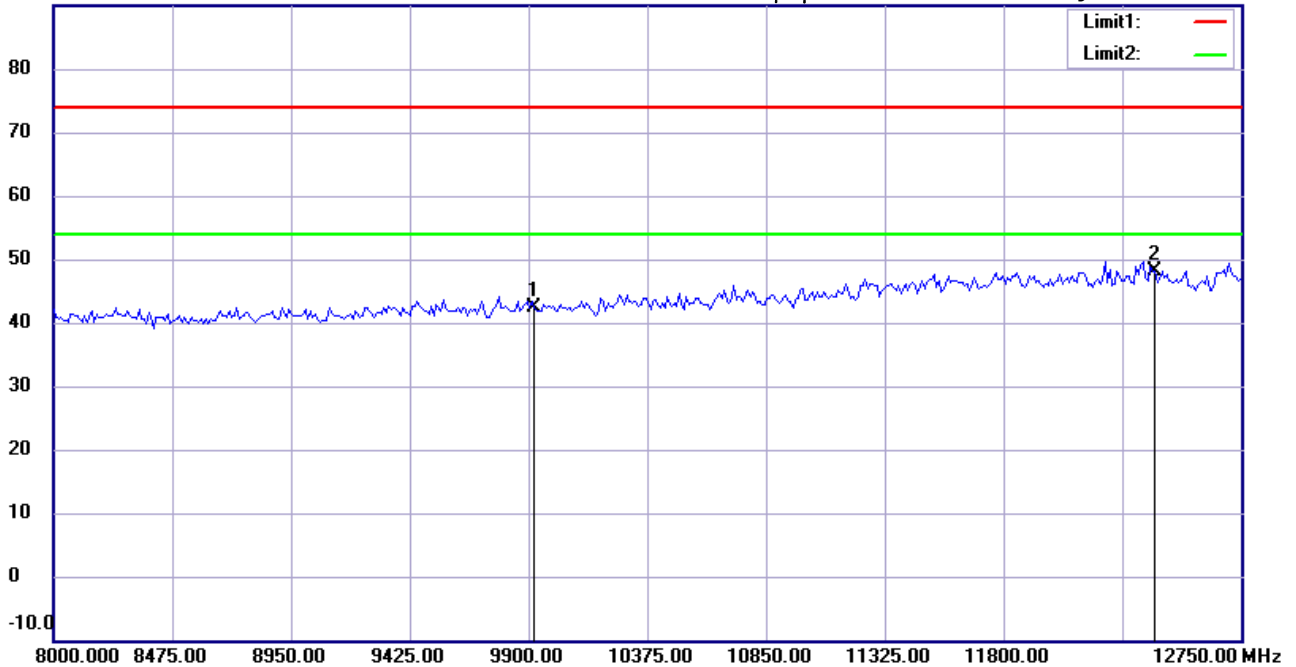
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:03:02

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 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
	9920.000	34.02	peak	8.43	42.45	74.00	100	145	-31.55	
*	12400.000	33.39	peak	14.81	48.20	74.00	100	120	-25.80	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

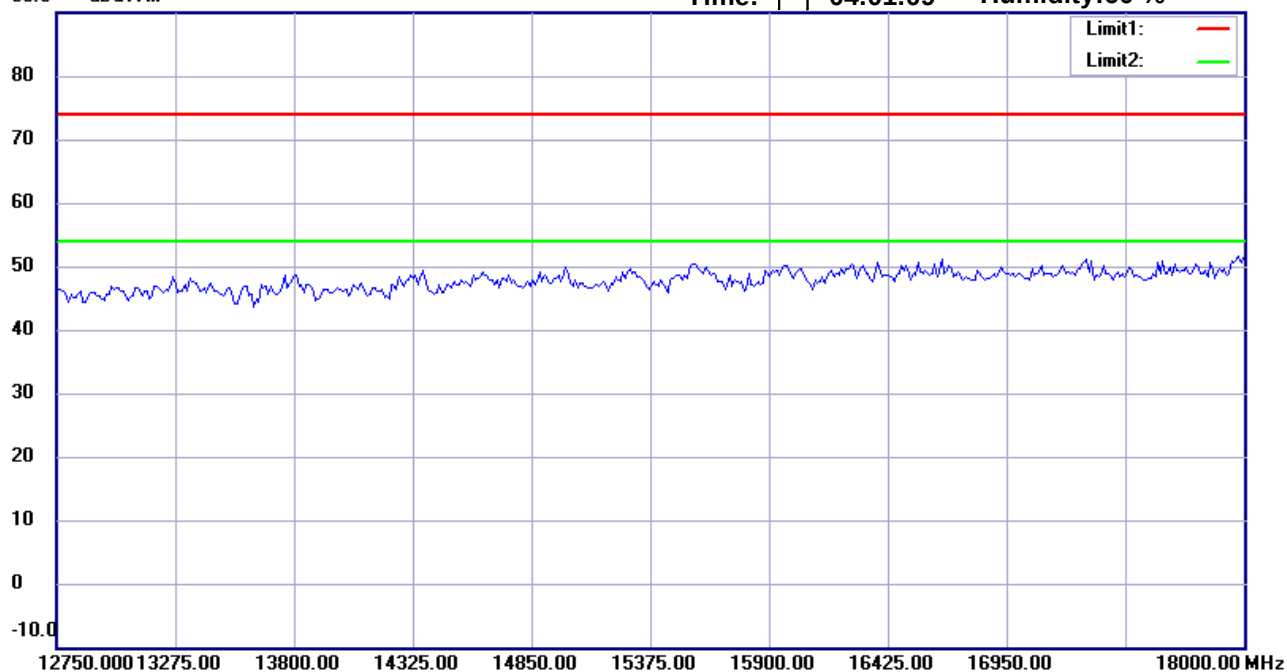
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:01:09

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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 :#9

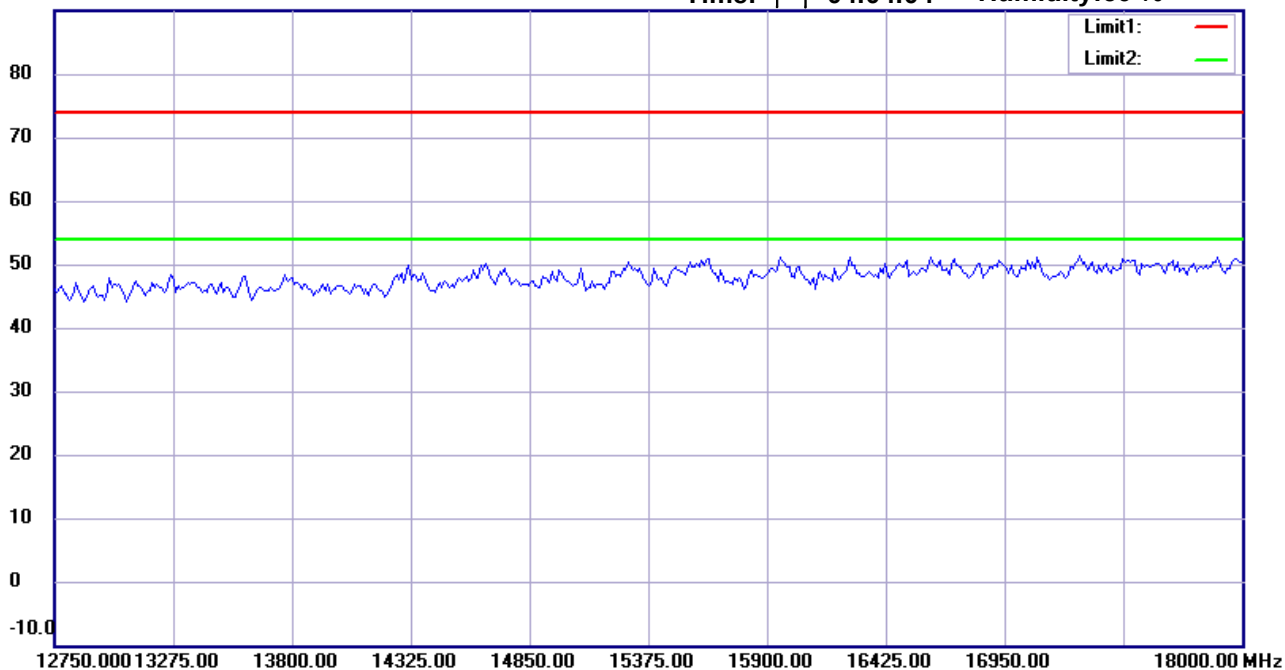
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:04:04

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 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



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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

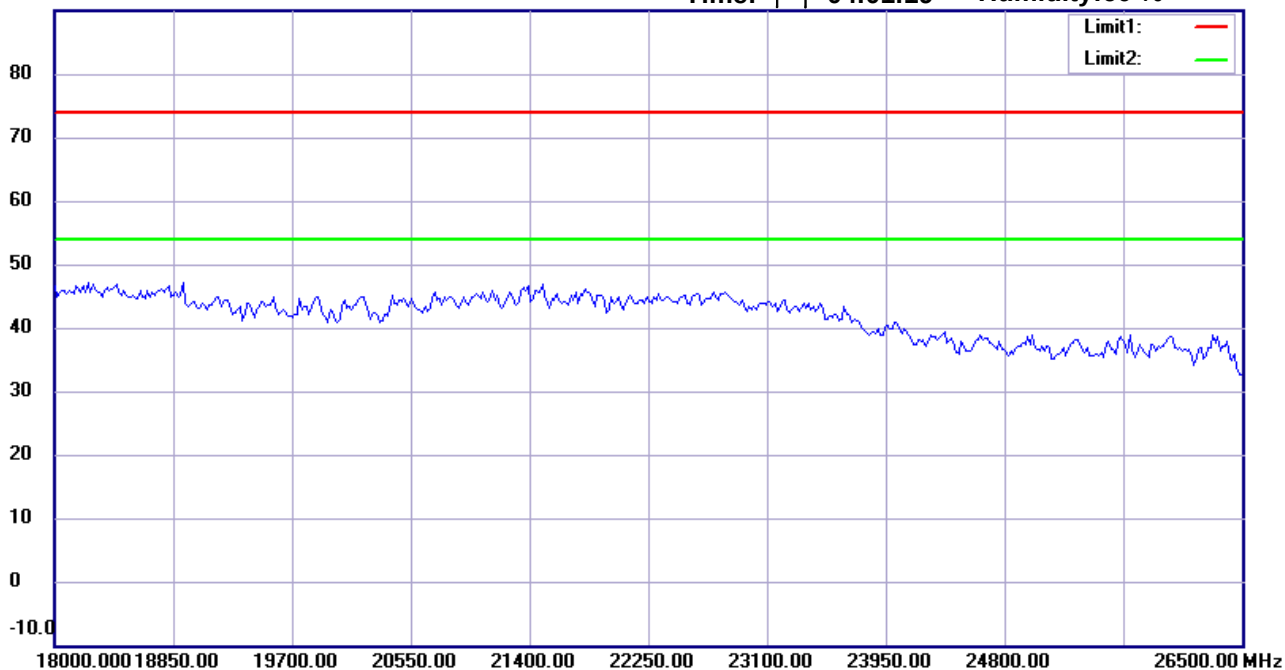
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:01:19

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

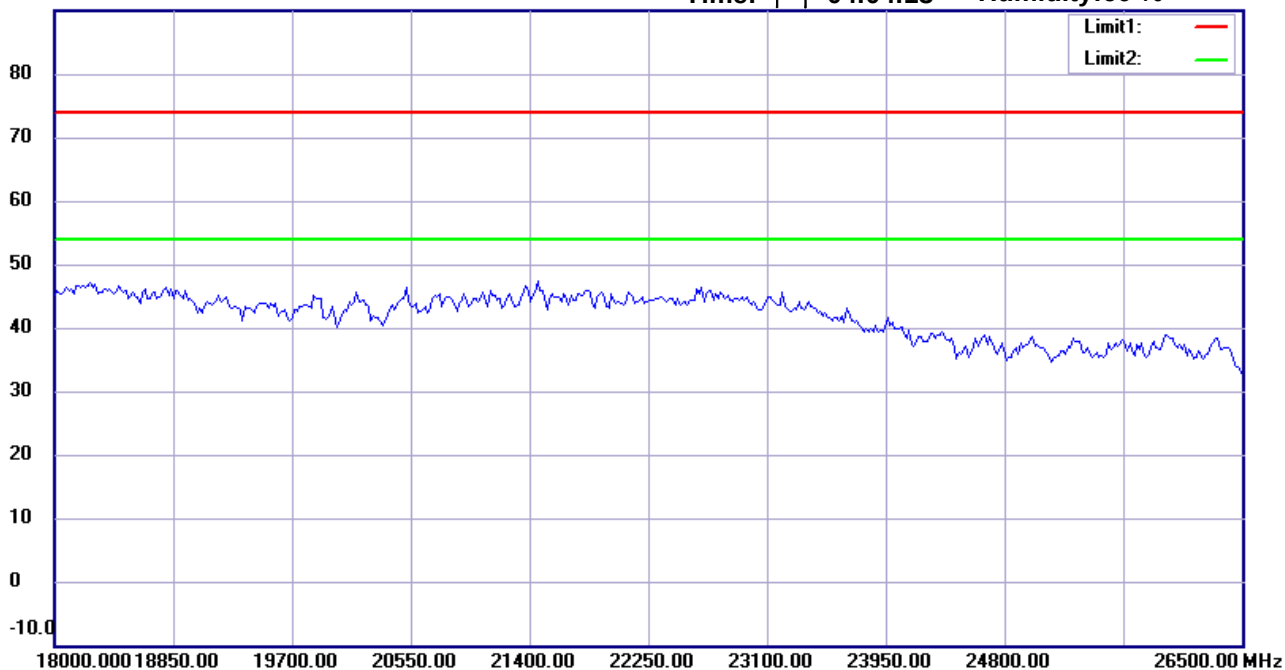
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:04:13

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2480MHz

Note :

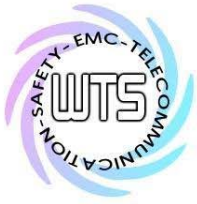
Polarization: **Vertical**

Power : 3 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



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TX_ANT+



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Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

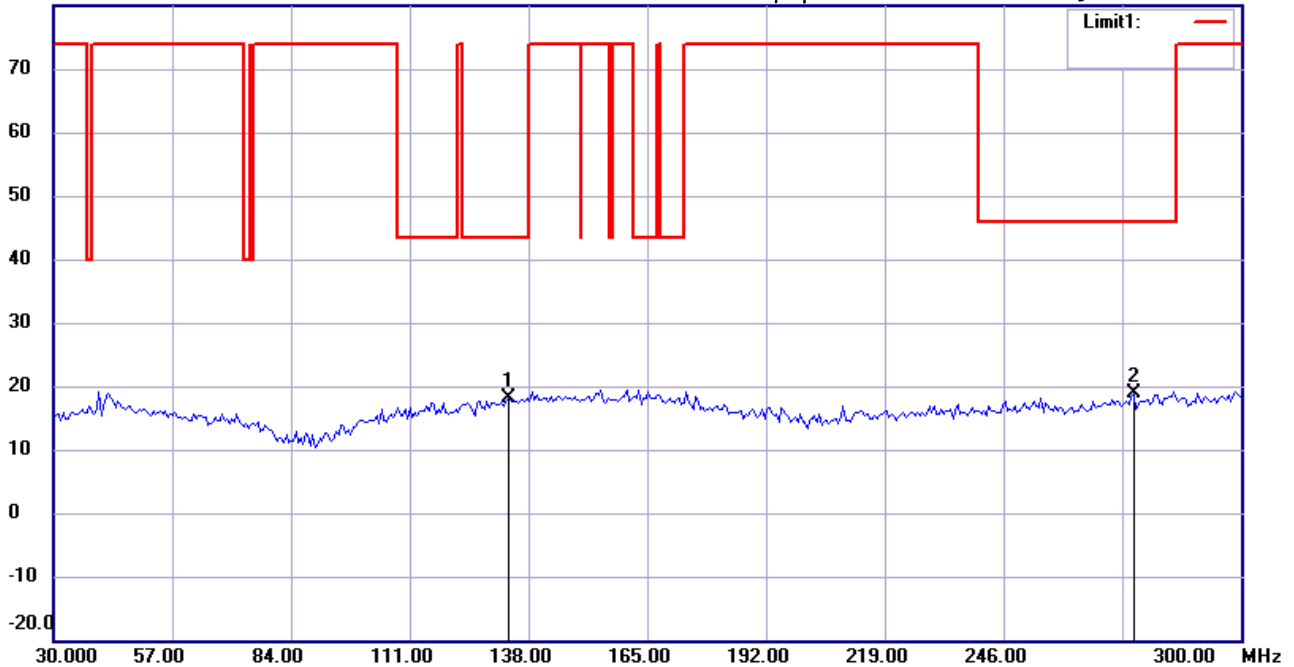
Date: 2015/7/16

Temperature:24 °C

80.0 dBuV/m

Time: 下午 03:23:56

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band 30-300

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: *Horizontal*

Power : 3 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
*	133.3466	3.18	peak	14.99	18.17	43.50	100	140	-25.33	
	275.6512	3.40	peak	15.39	18.79	46.00	100	55	-27.21	

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



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Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

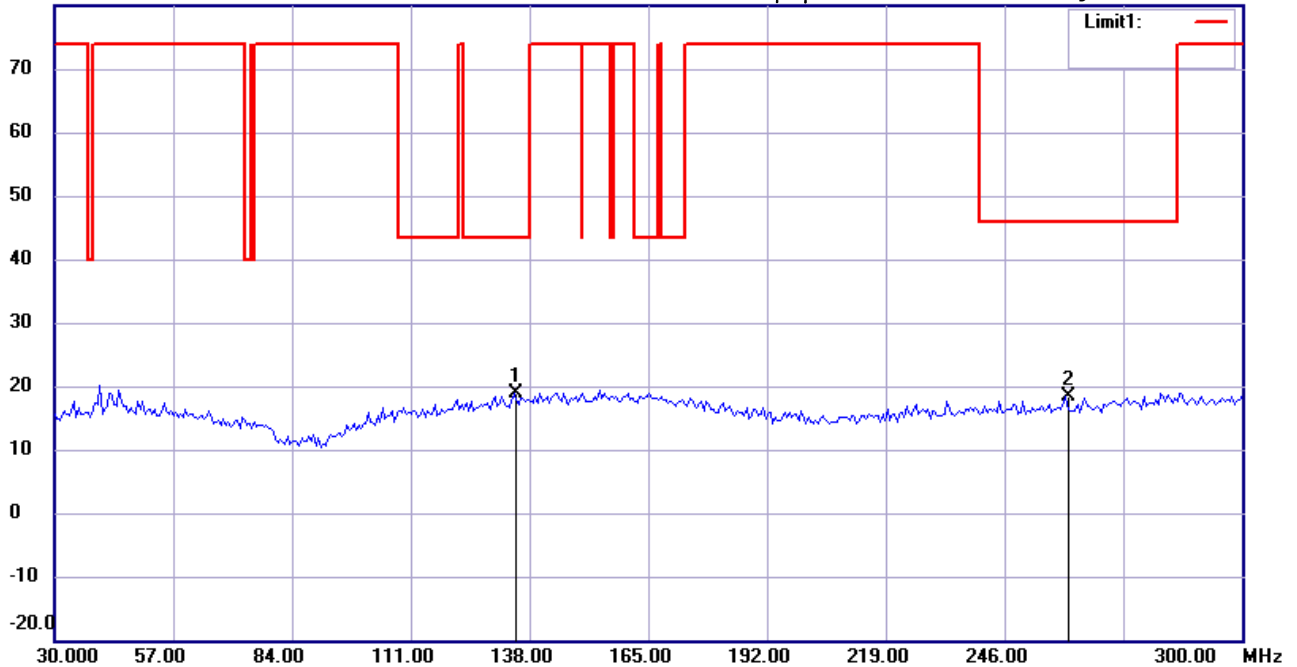
Date: 2015/7/16

Temperature:24 °C

80.0 dBuV/m

Time: 下午 03:24:42

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band 30-300

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: **Vertical**

Power : 3 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
*	134.4290	3.81	peak	15.06	18.87	43.50	100	40	-24.63	
	259.9600	3.89	peak	14.60	18.49	46.00	100	175	-27.51	

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



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Radiated Emission Measurement

Operator: Leon

File : 2

Data : #1

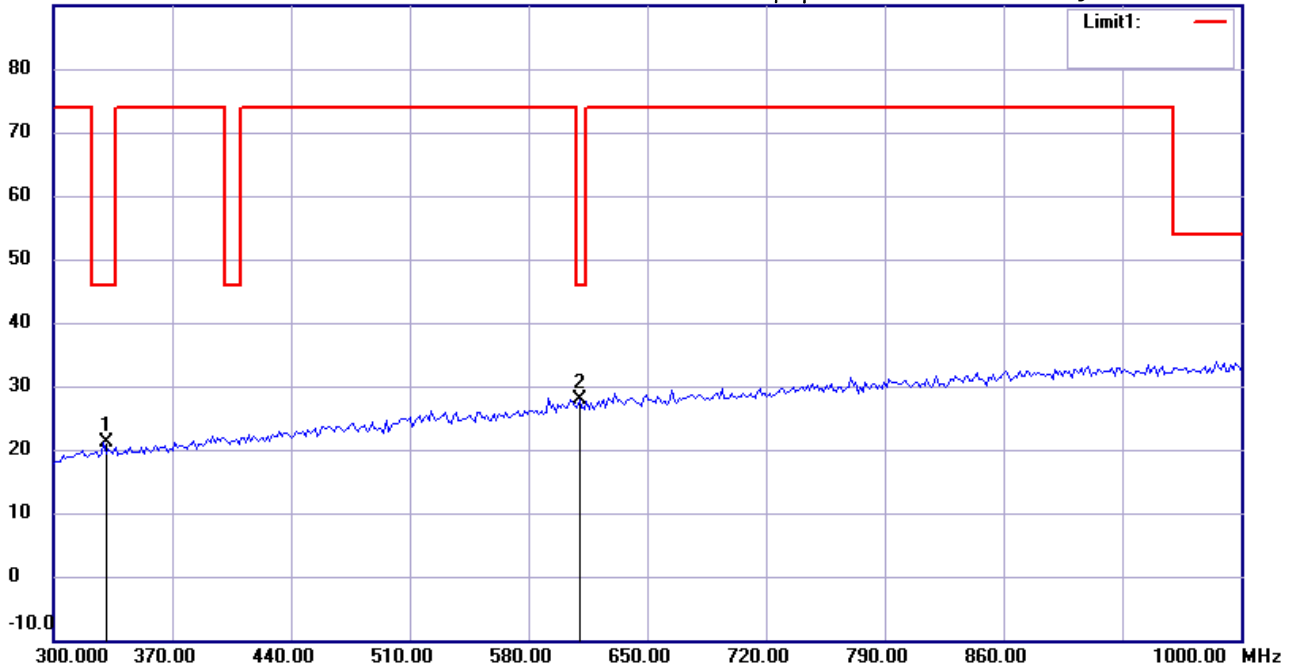
Date: 2015/7/16

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 03:29:42

Humidity: 60 %



Site : Chamber

Condition : FCC Restriction Band 300-1000

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	329.4590	4.28	peak	16.84	21.12	46.00	100	120	-24.88	
*	610.0200	4.25	peak	23.63	27.88	46.00	100	75	-18.12	

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



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Radiated Emission Measurement

Operator: Leon

File :2

Data :#2

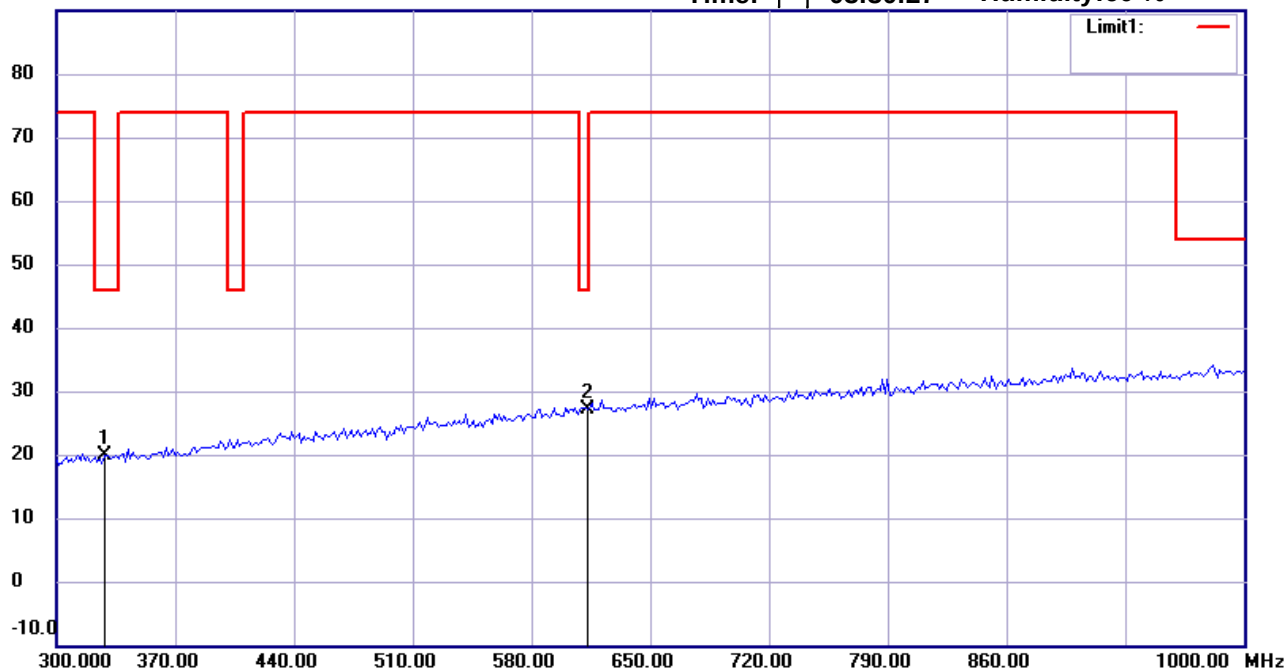
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 03:30:27

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band 300-1000

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: **Vertical**

Power : 3 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
	328.0561	3.02	peak	16.80	19.82	46.00	100	140	-26.18	
*	612.8256	3.48	peak	23.70	27.18	46.00	100	95	-18.82	

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



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Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

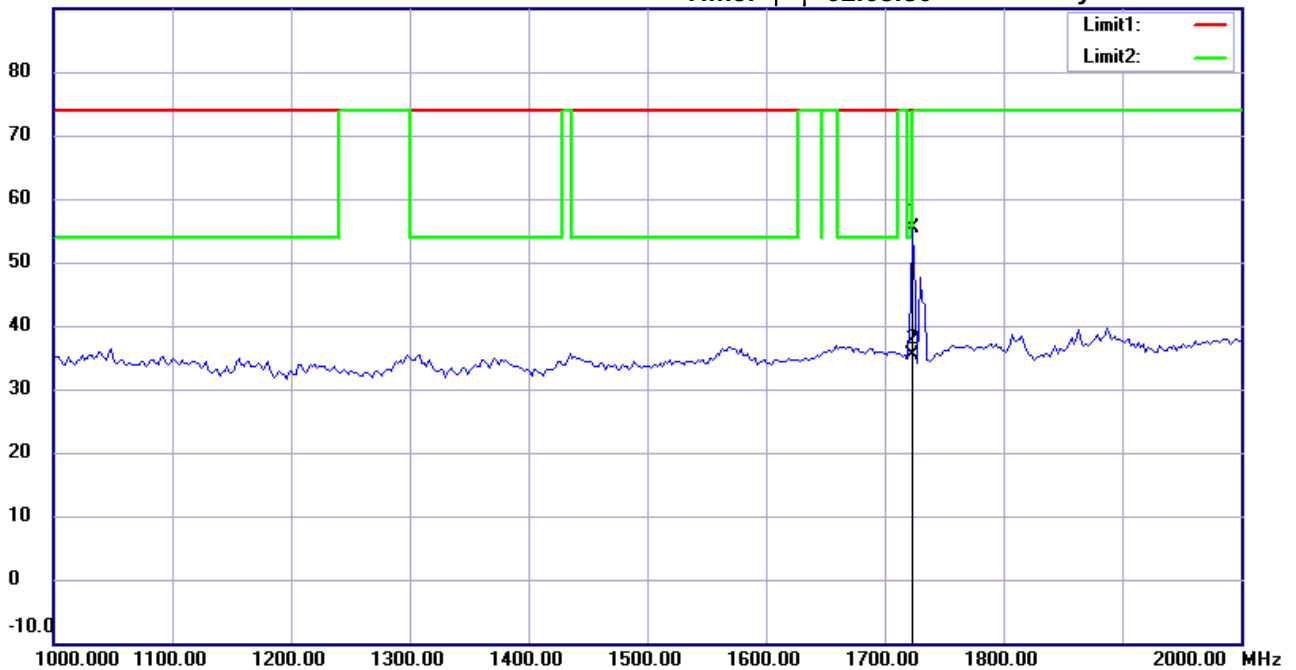
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:05:50

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: *Horizontal*

Power : 3 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
*	1722.345	62.58	peak	-7.26	55.32	74.00	100	298	-18.68	
	1722.345	42.63	AVG	-7.26	35.37	74.00	100	298	-38.63	

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



Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

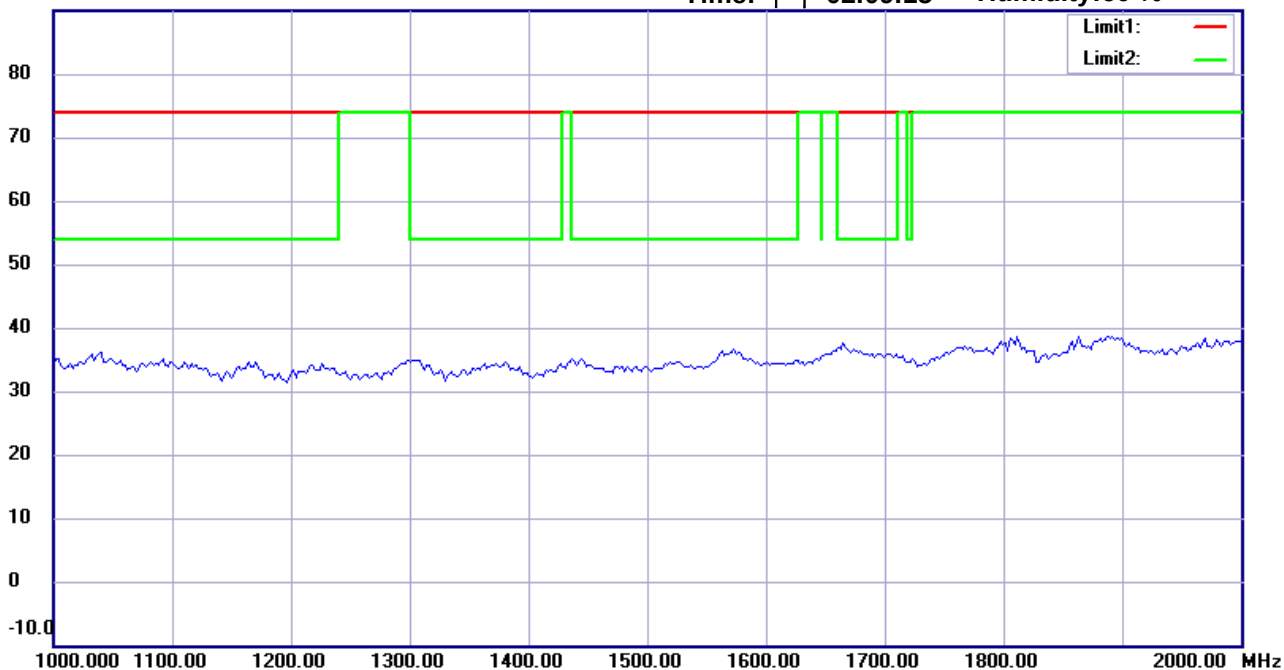
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:09:15

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: **Vertical**

Power : 3 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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Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

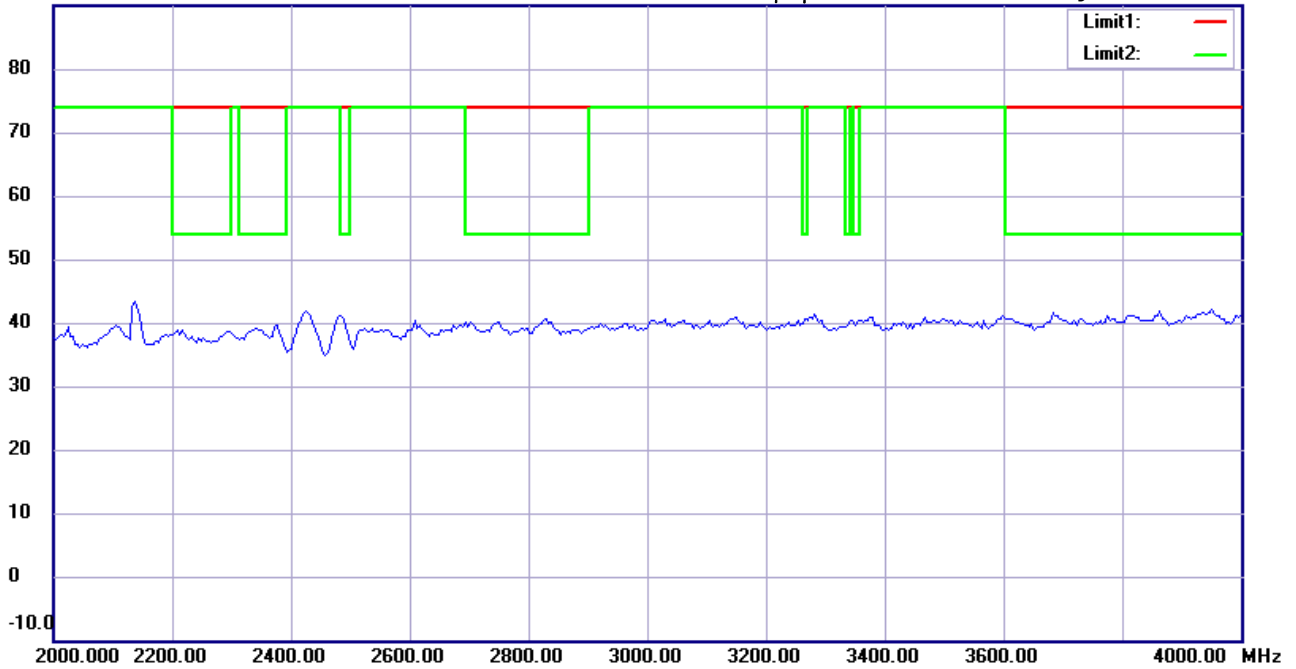
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:06:35

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: *Horizontal*

Power : 3 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 :#8

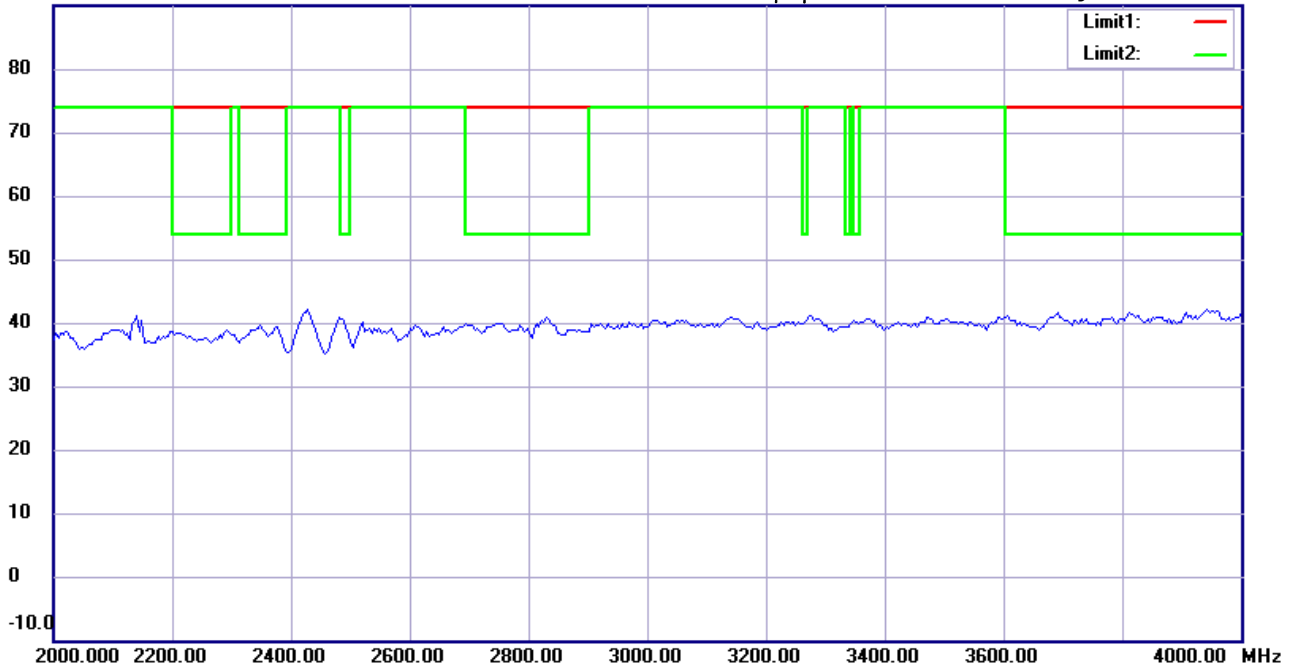
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:10:00

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: Vertical

Power : 3 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 :#3

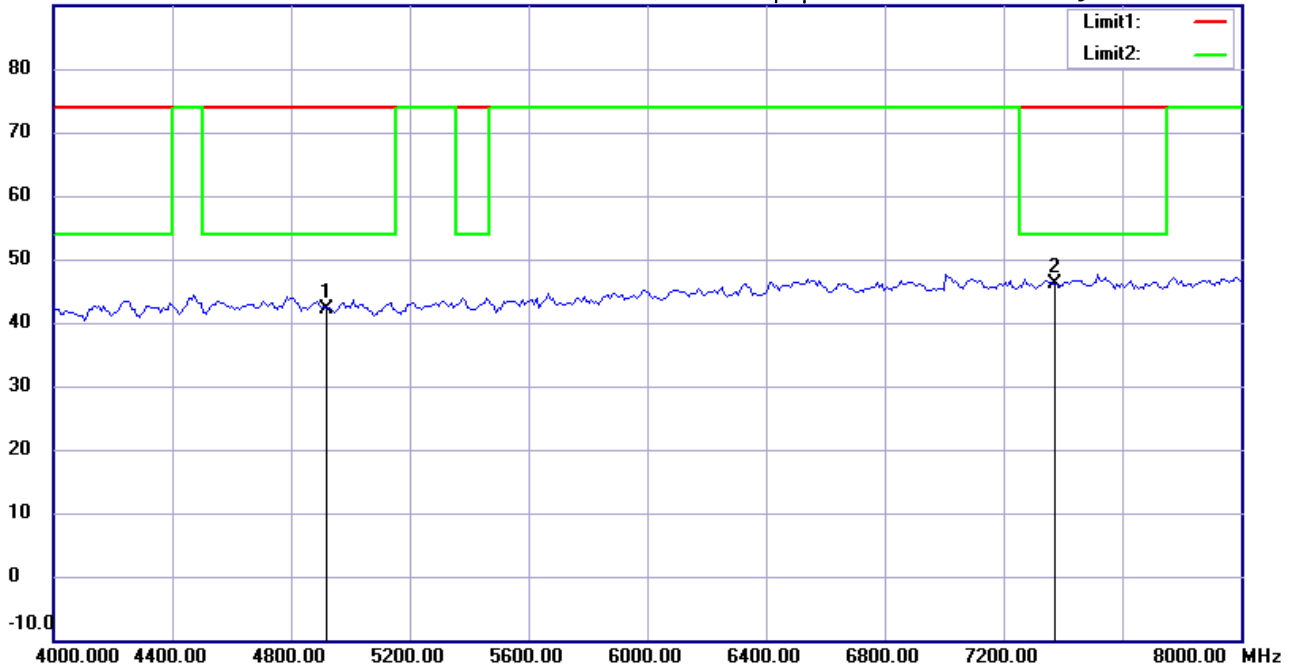
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:07:21

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	4914.000	41.03	peak	1.22	42.25	74.00	100	155	-31.75	
*	7371.000	40.71	peak	5.35	46.06	74.00	100	30	-27.94	

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



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Radiated Emission Measurement

Operator: Leon

File : 3

Data : #9

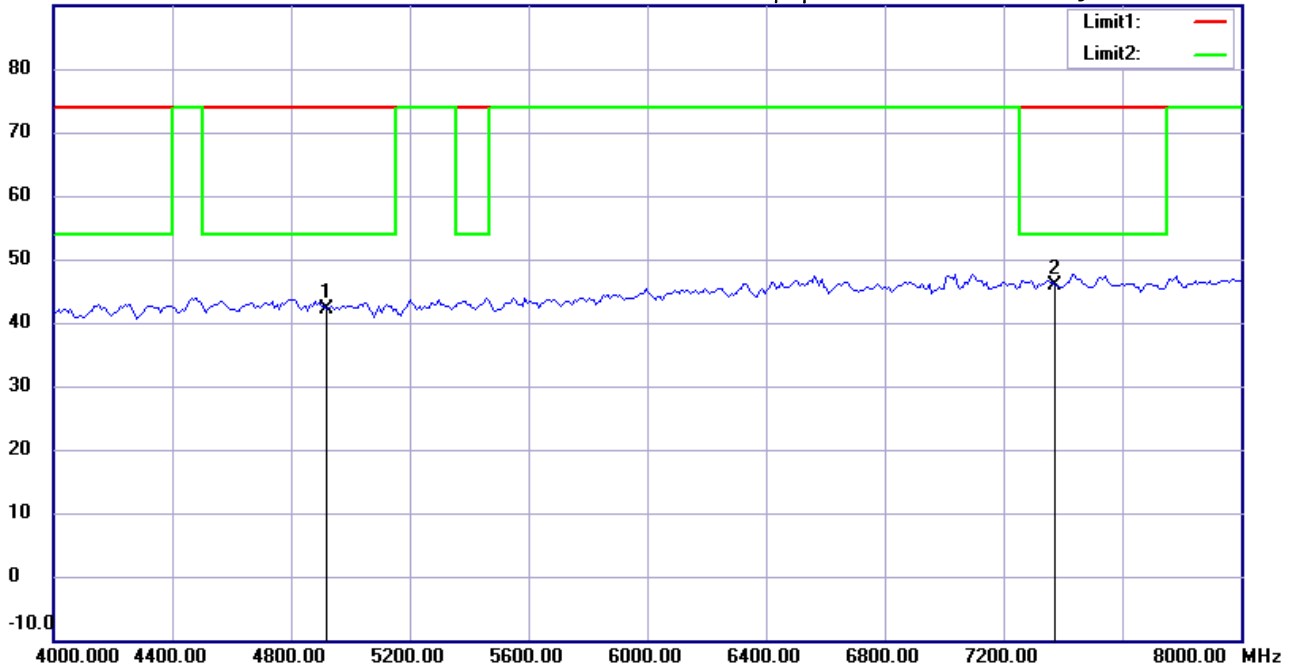
Date: 2015/7/16

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 02:10:46

Humidity: 60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: **Vertical**

Power : 3 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
	4914.000	40.93	peak	1.22	42.15	74.00	100	210	-31.85	
*	7371.000	40.61	peak	5.35	45.96	74.00	100	145	-28.04	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#4

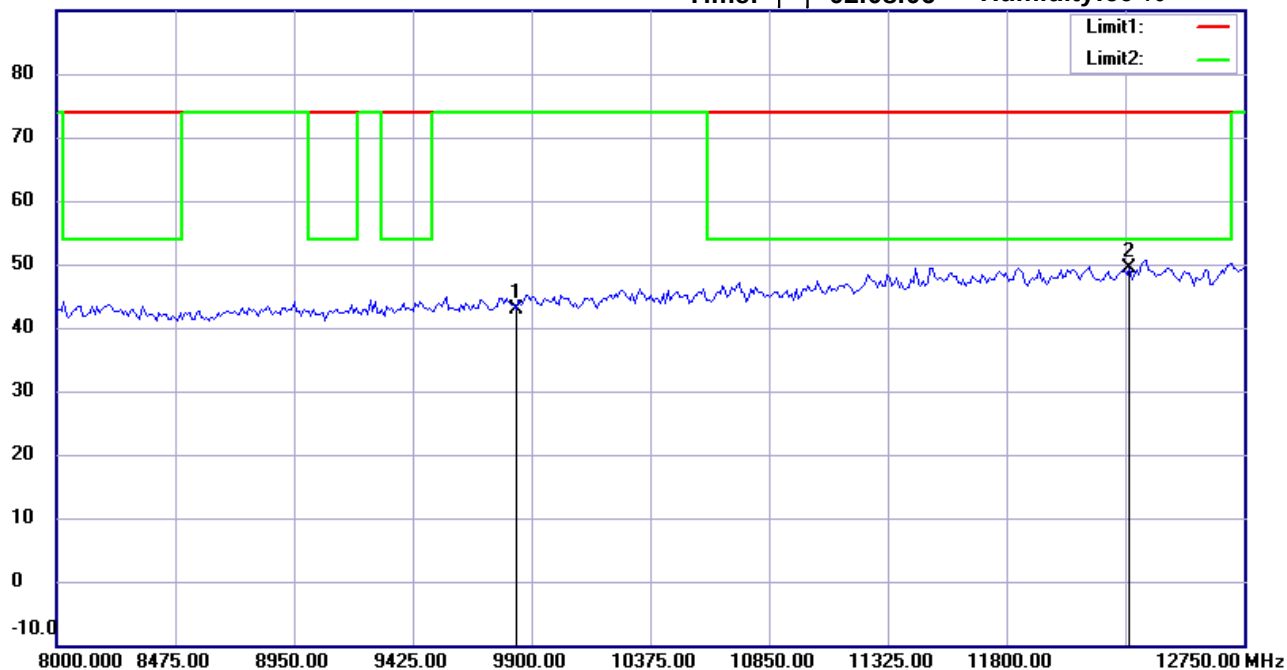
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:08:06

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	9828.000	34.70	peak	8.28	42.98	74.00	100	85	-31.02	
*	12285.000	35.09	peak	14.22	49.31	74.00	100	120	-24.69	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#10

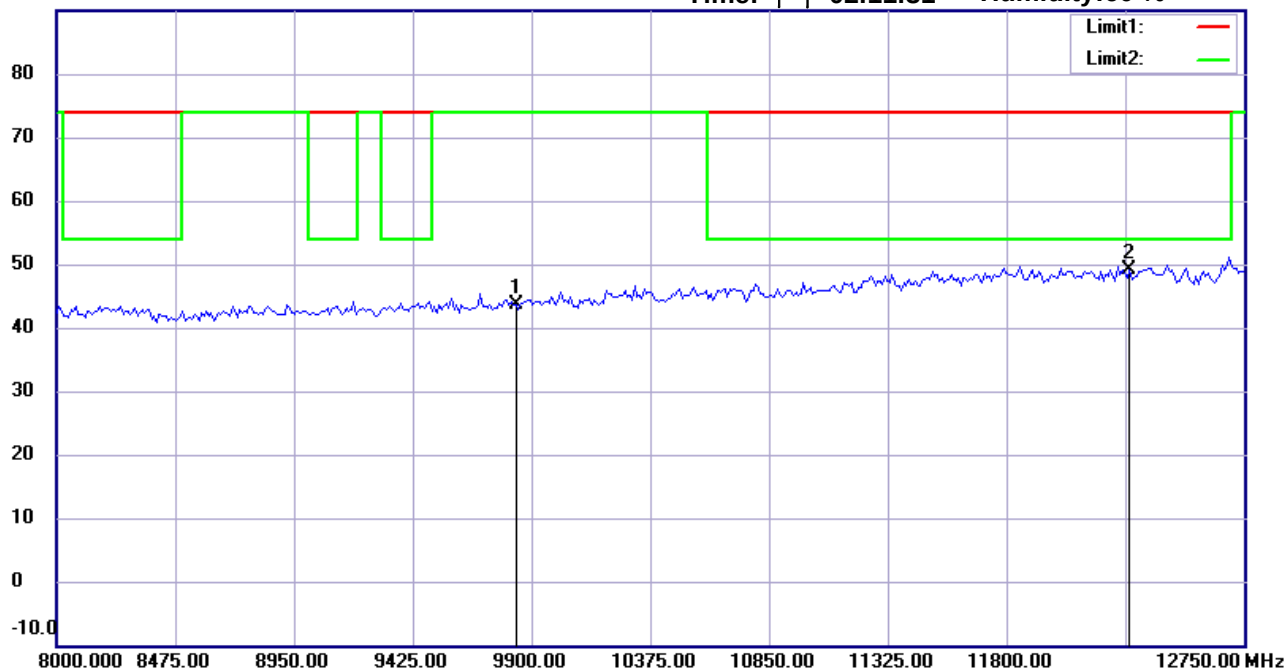
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:11:31

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: **Vertical**

Power : 3 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
	9828.000	35.42	peak	8.28	43.70	74.00	100	95	-30.30	
*	12285.000	34.95	peak	14.22	49.17	74.00	100	135	-24.83	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

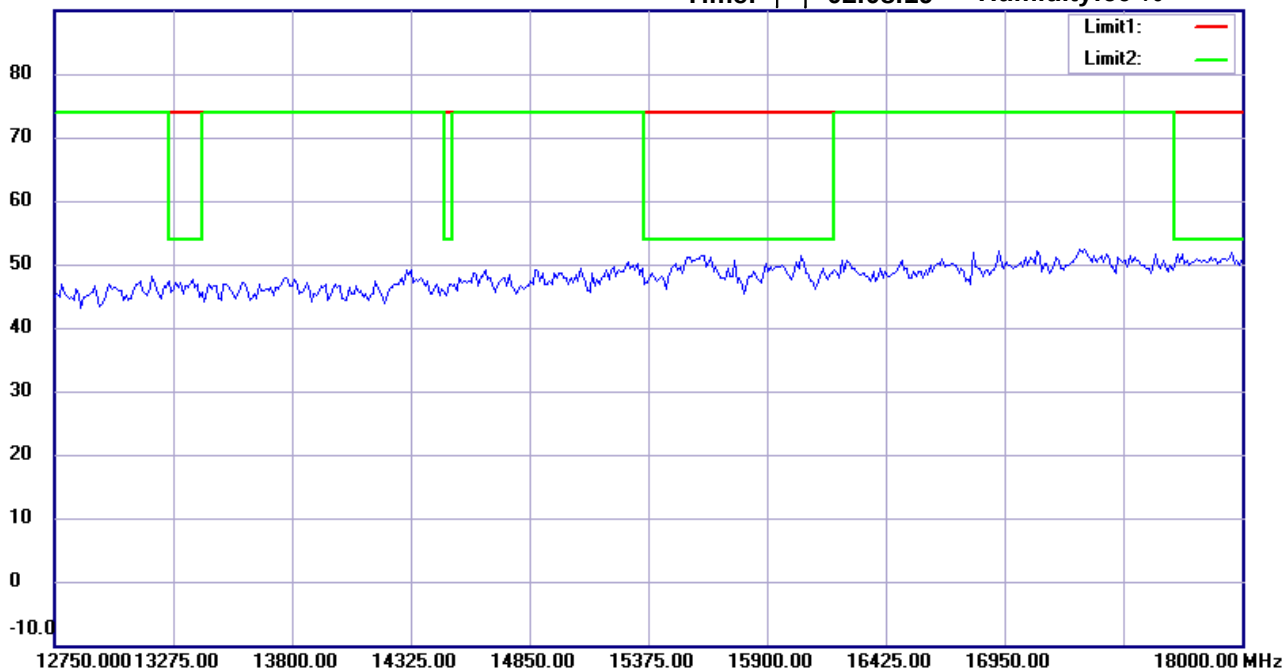
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:08:19

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

Polarization: *Horizontal*

Power : 3 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 :#11

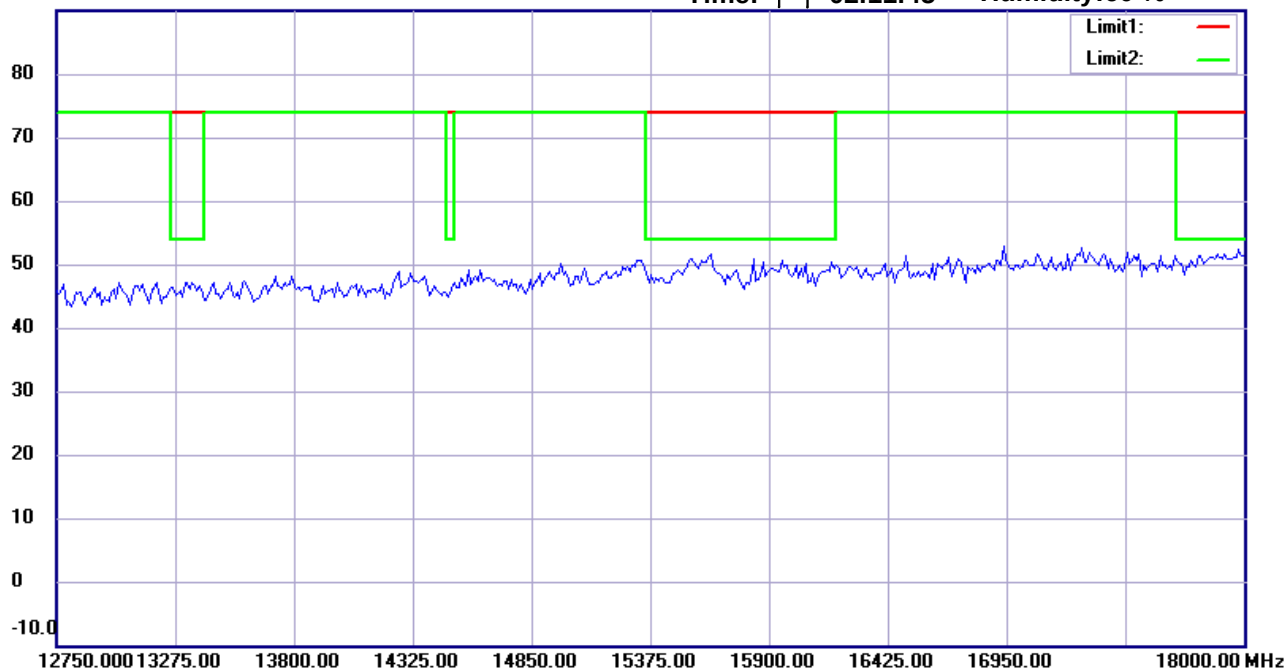
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:11:45

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

Polarization: Vertical

EUT : W6M21506-15101

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2457MHz

Note :

Mk.	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

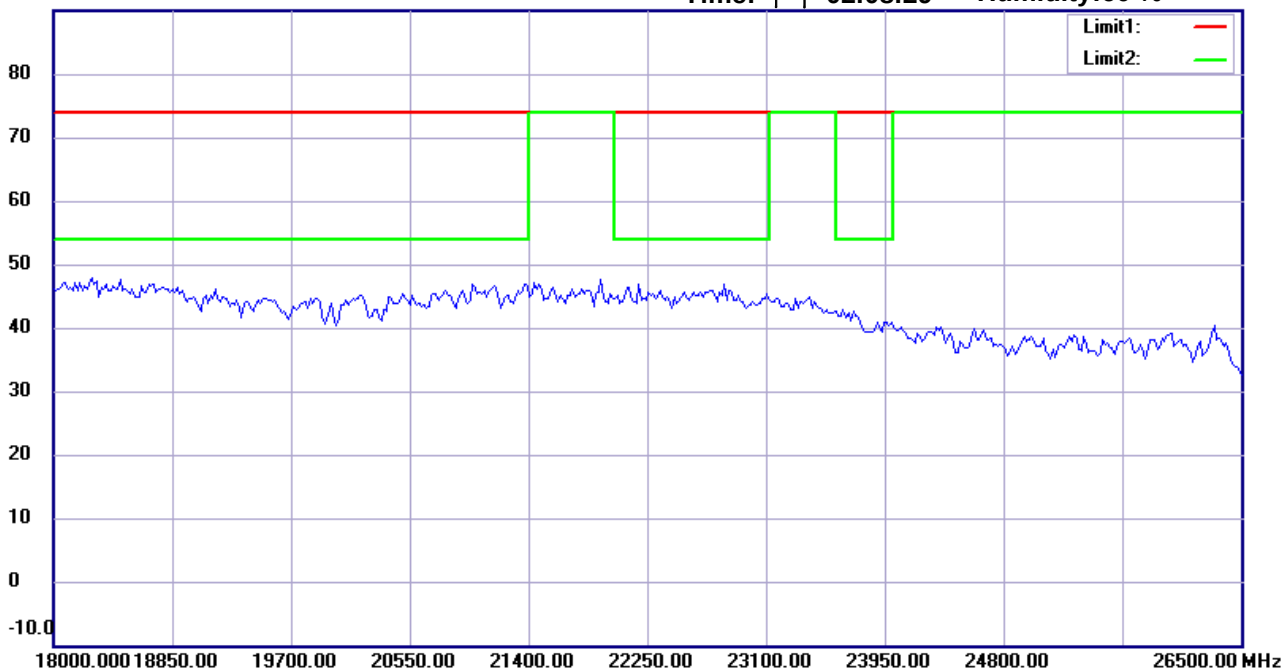
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:08:29

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M21506-15101

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 2457MHz

Note :

Mk.	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 :#12

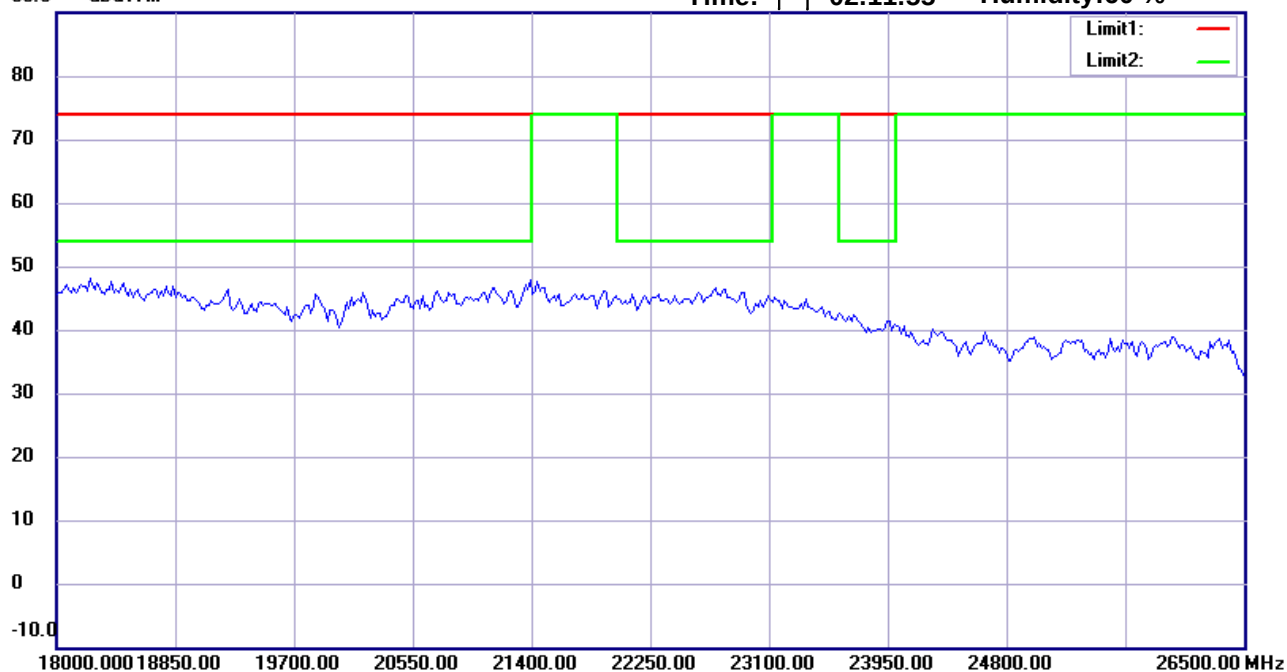
Date: 2015/7/16

Temperature:24 °C

90.0 dBuV/m

Time: 下午 02:11:55

Humidity:60 %



Site : Chamber

Condition : FCC Restriction Band_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : TX 2457MHz

Note :

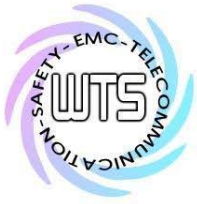
Polarization: Vertical

Power : 3 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



Worldwide Testing Services(Taiwan) Co., Ltd.

RX_Bluetooth



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:13:38

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	166.0721	19.75	peak	15.25	35.00	43.50	100	155	-8.50	
	199.1182	21.91	peak	12.15	34.06	43.50	100	40	-9.44	
	286.5932	21.22	peak	15.77	36.99	46.00	100	130	-9.01	
*	339.0781	22.89	peak	17.10	39.99	46.00	100	85	-6.01	



Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

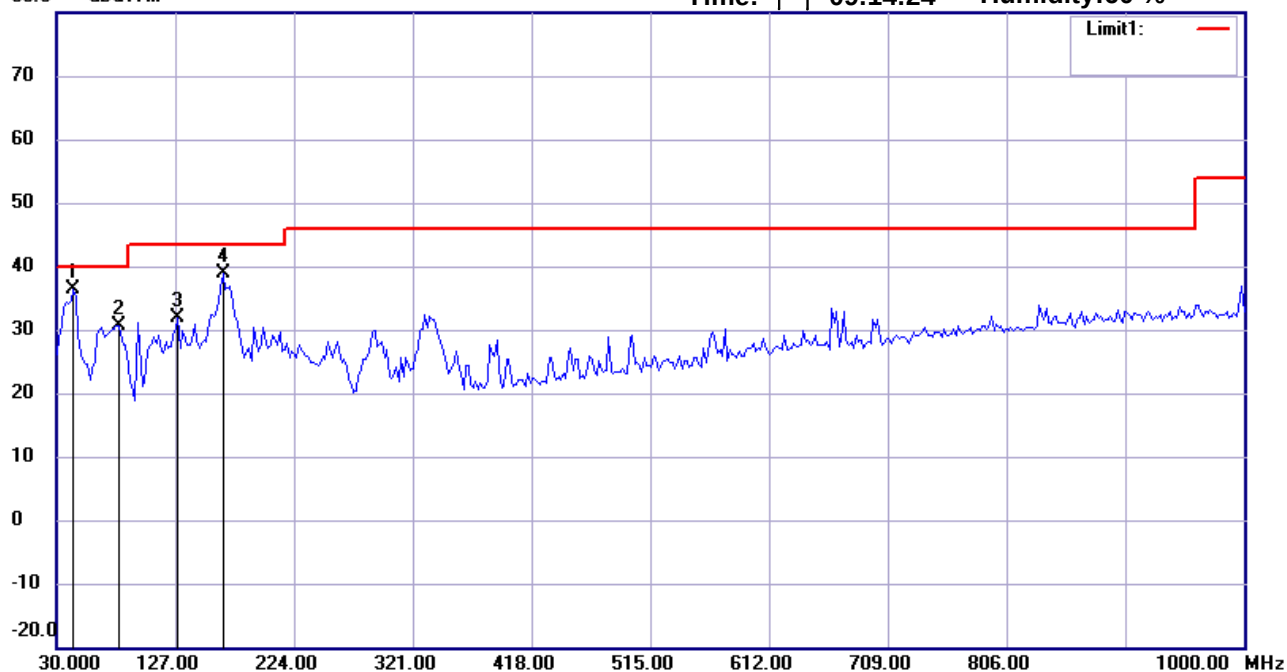
Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:14:24

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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
*	43.6072	21.66	peak	14.82	36.48	40.00	100	55	-3.52	
	80.5411	20.69	peak	9.97	30.66	40.00	100	145	-9.34	
	129.1383	17.09	peak	14.72	31.81	43.50	100	70	-11.69	
	166.0721	23.62	peak	15.25	38.87	43.50	100	120	-4.63	



Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

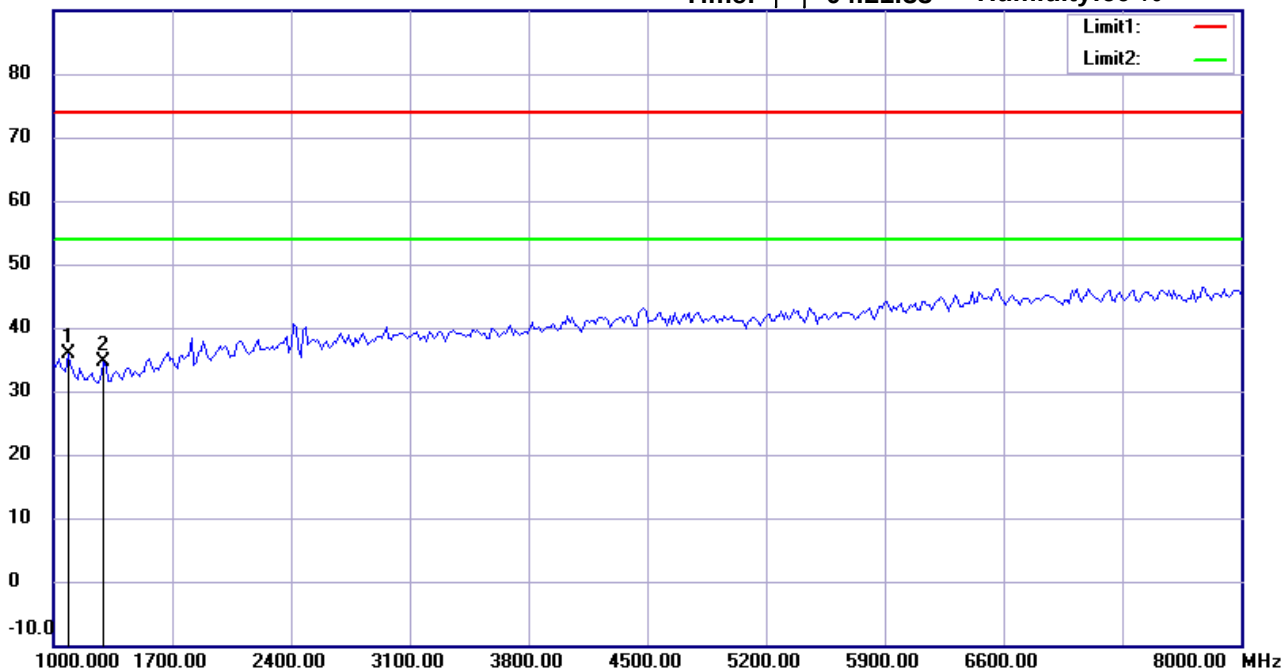
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:21:33

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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
*	1084.168	44.12	peak	-8.18	35.94	74.00	100	155	-38.06	
	1294.589	43.35	peak	-8.69	34.66	74.00	100	120	-39.34	



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

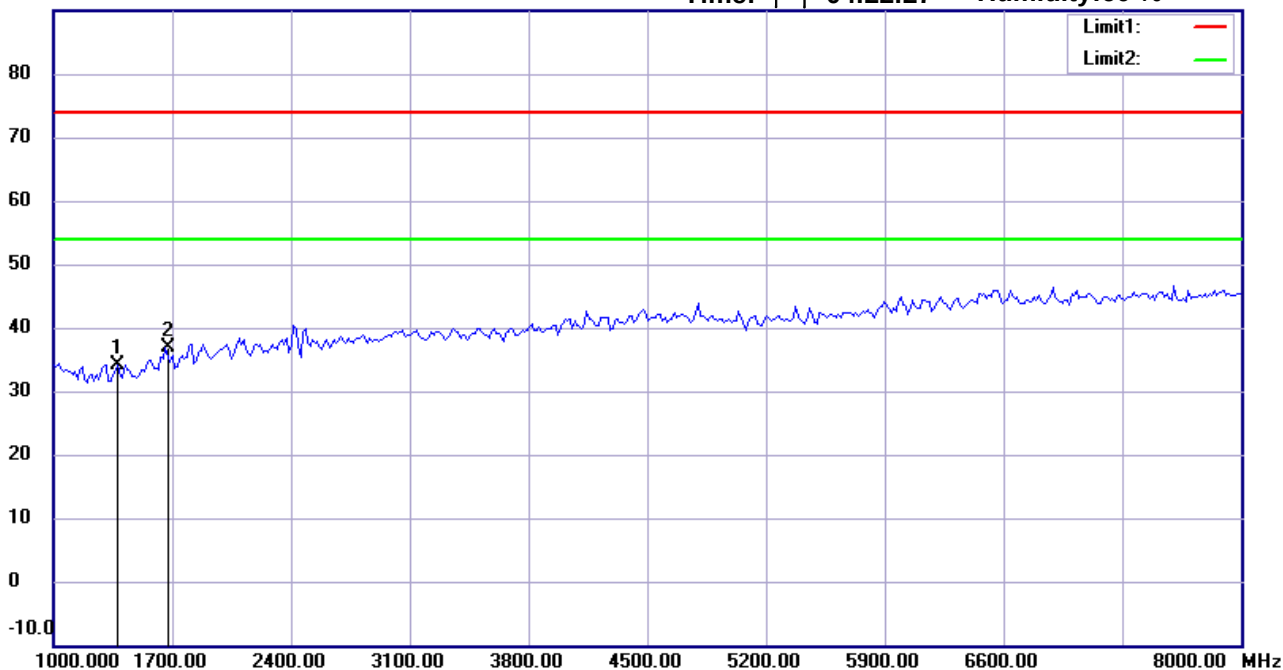
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:22:27

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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
	1378.757	42.94	peak	-8.82	34.12	74.00	100	65	-39.88	
*	1659.319	44.32	peak	-7.47	36.85	74.00	100	40	-37.15	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

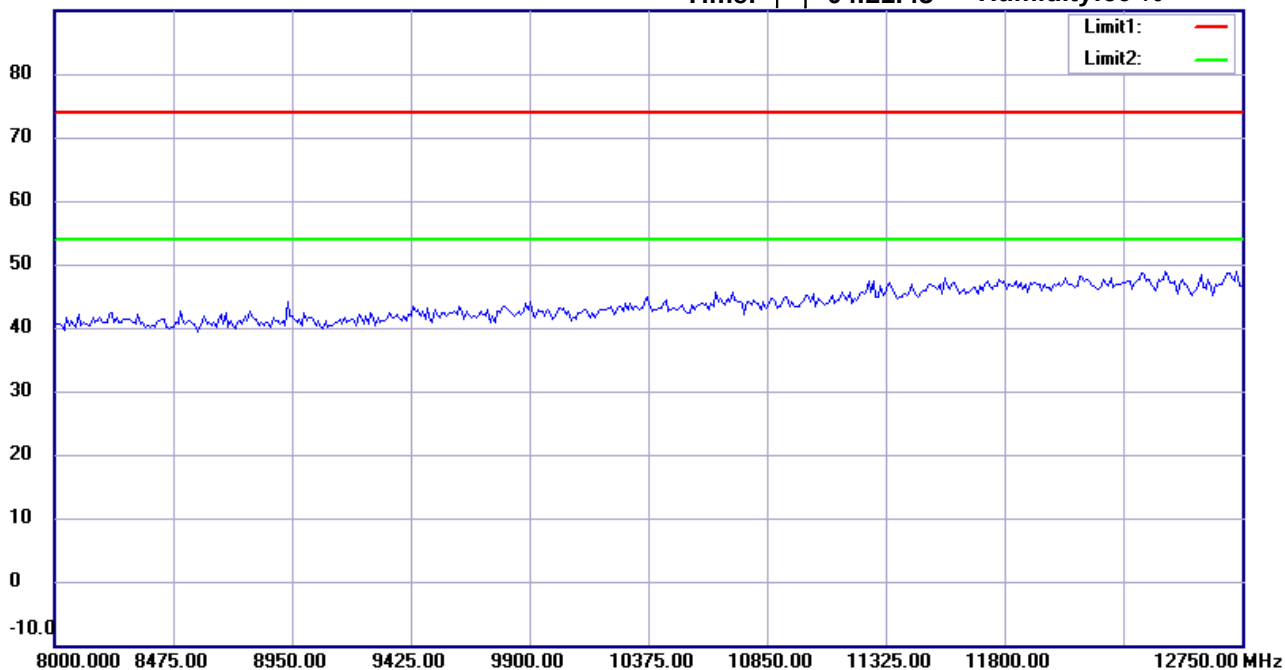
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:21:45

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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 :#6

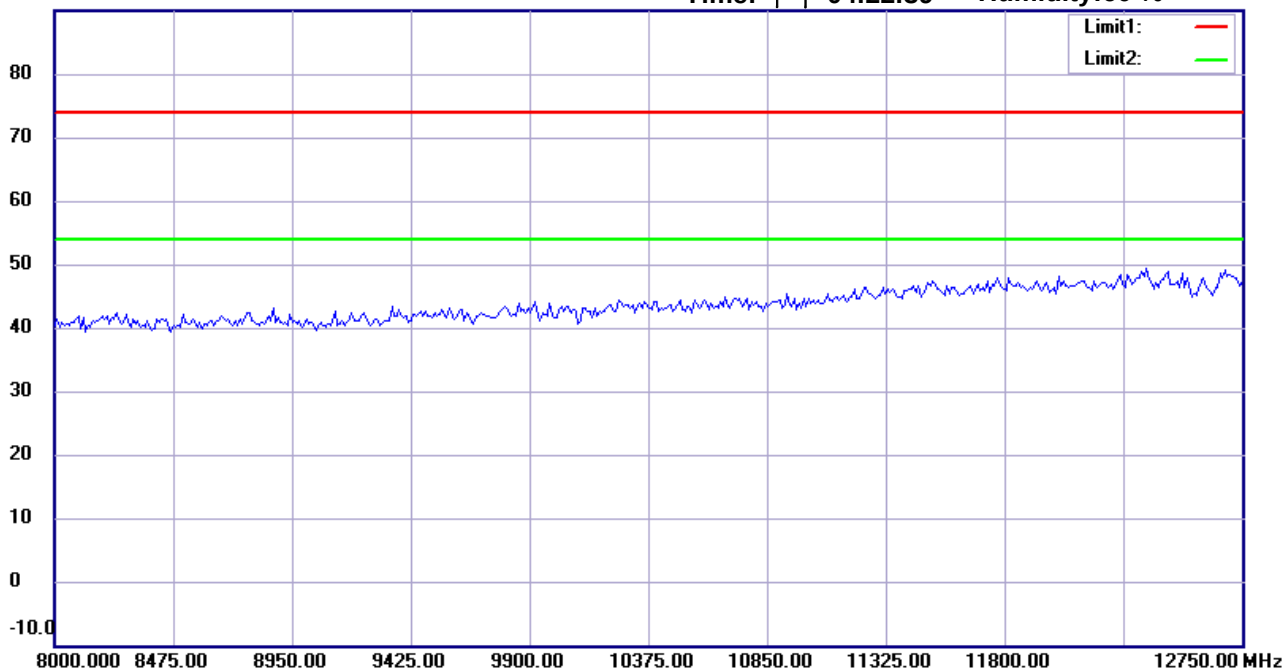
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:22:39

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

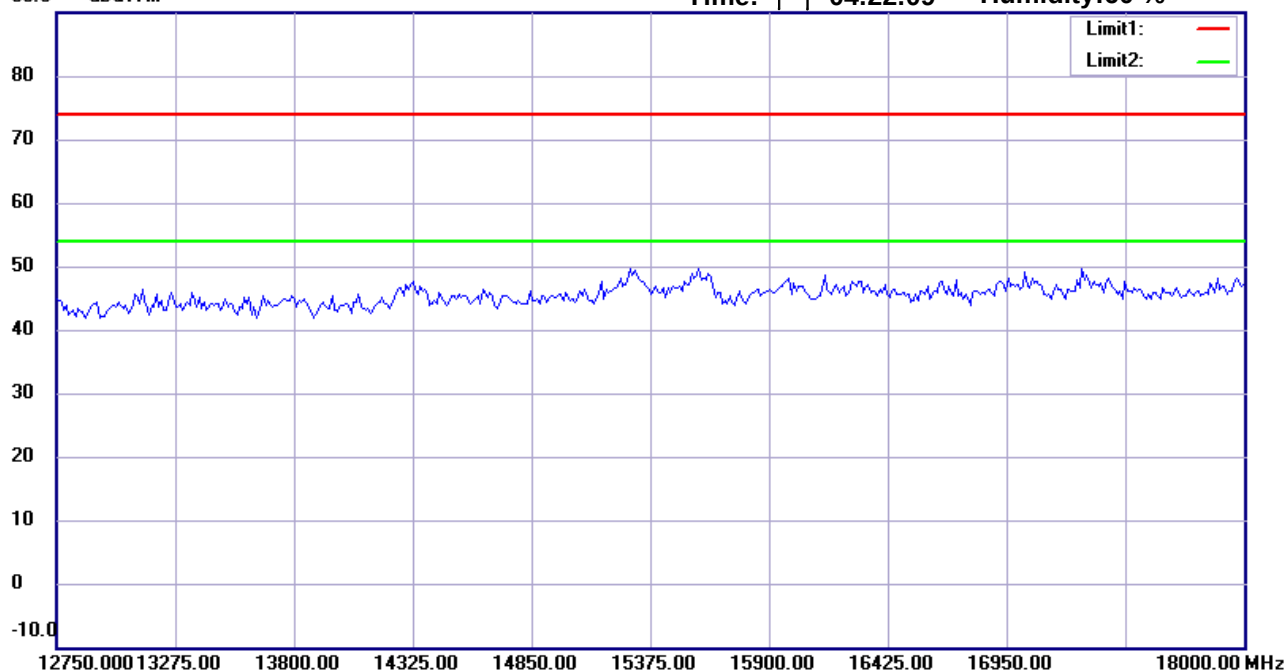
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:22:09

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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

Radiated Emission Measurement

Operator: Leon

File :3

Data :#7

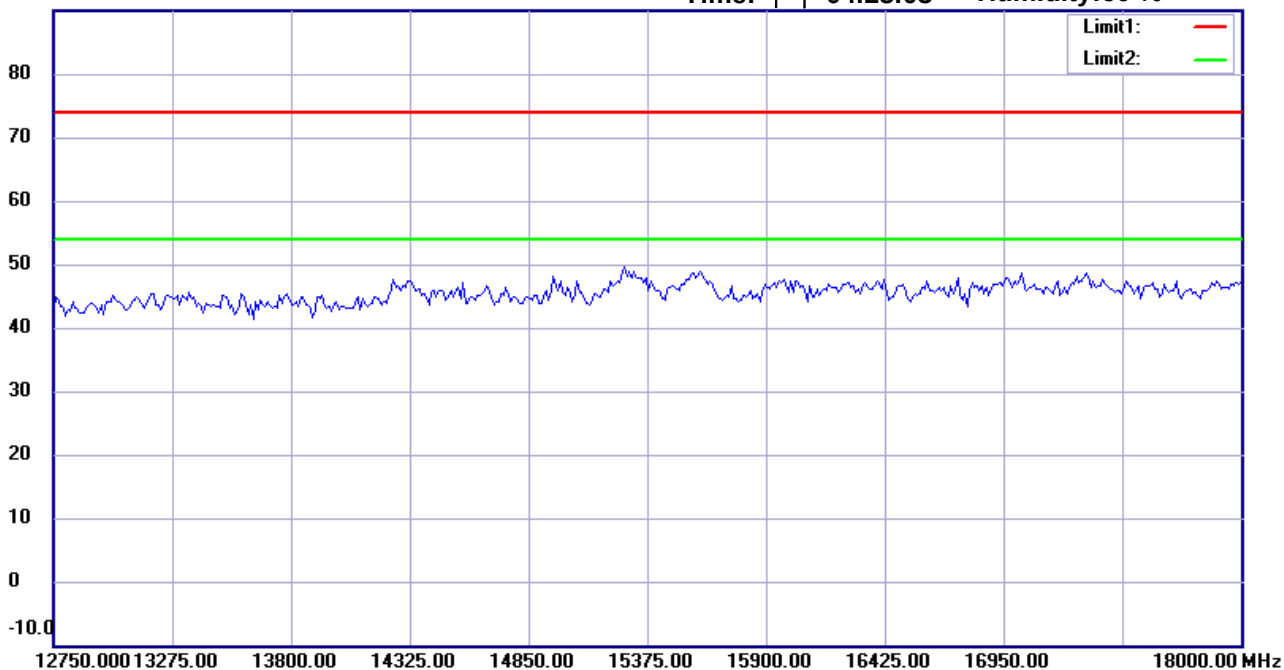
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:23:03

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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



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 :#4

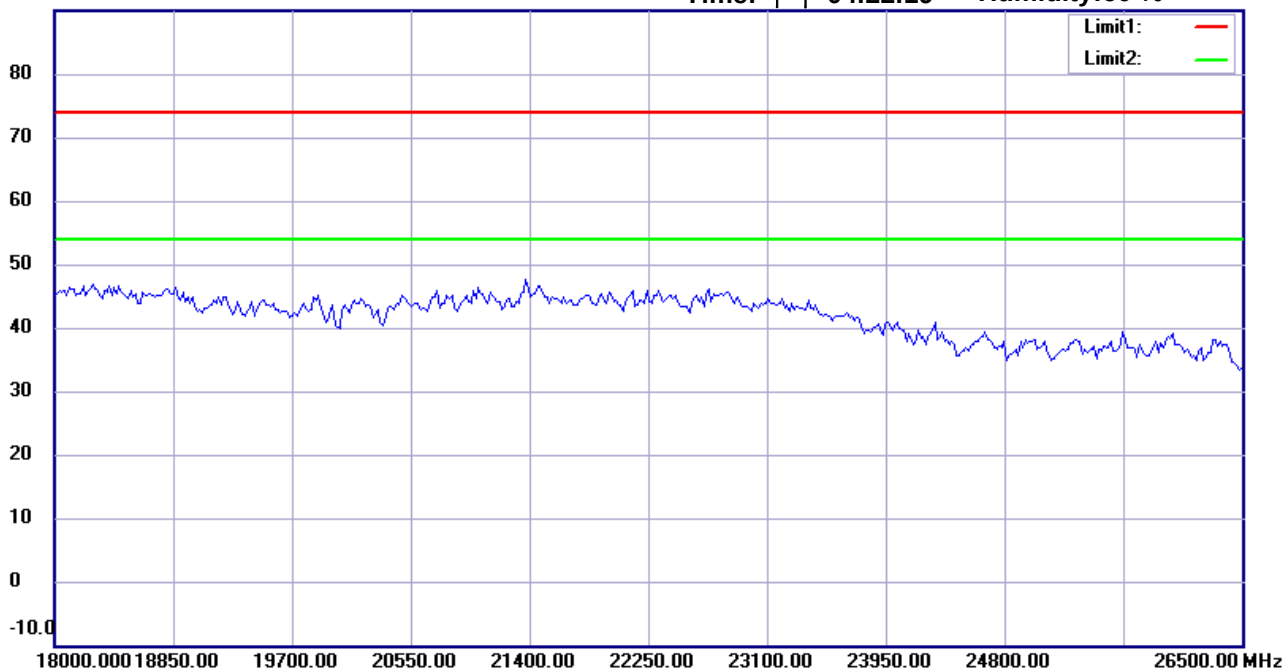
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:22:19

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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 :#8

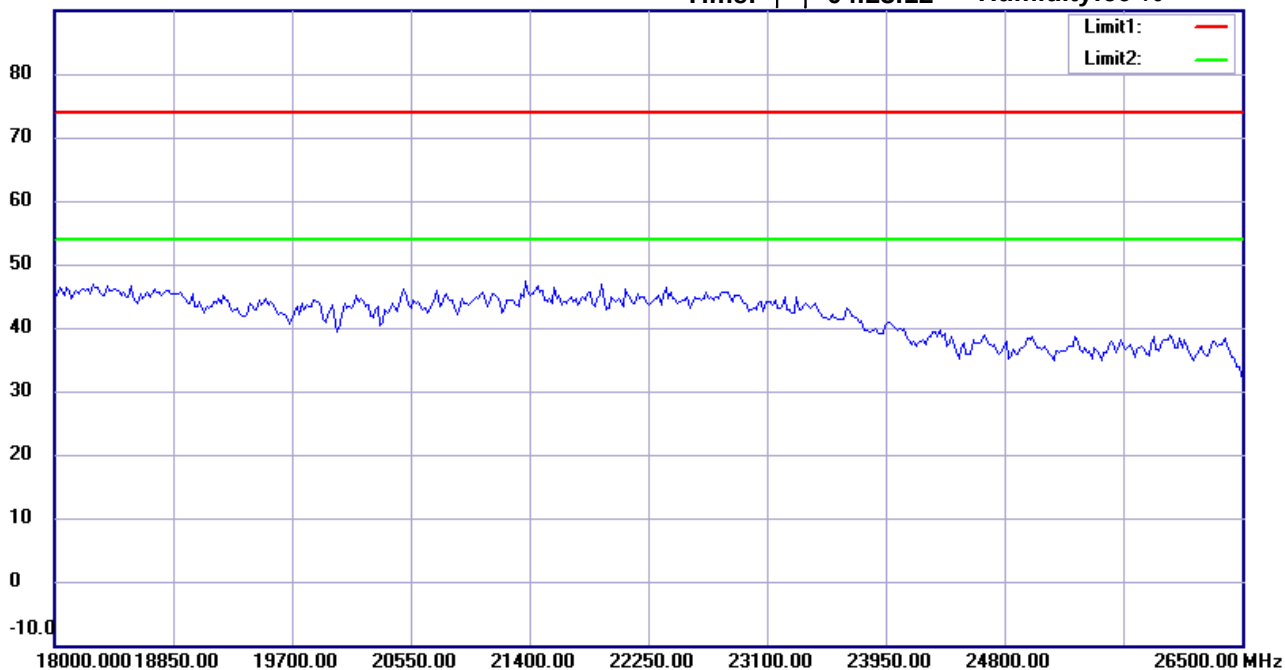
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:23:12

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2402MHz

Note :

Polarization: **Vertical**

Power : 3 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



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

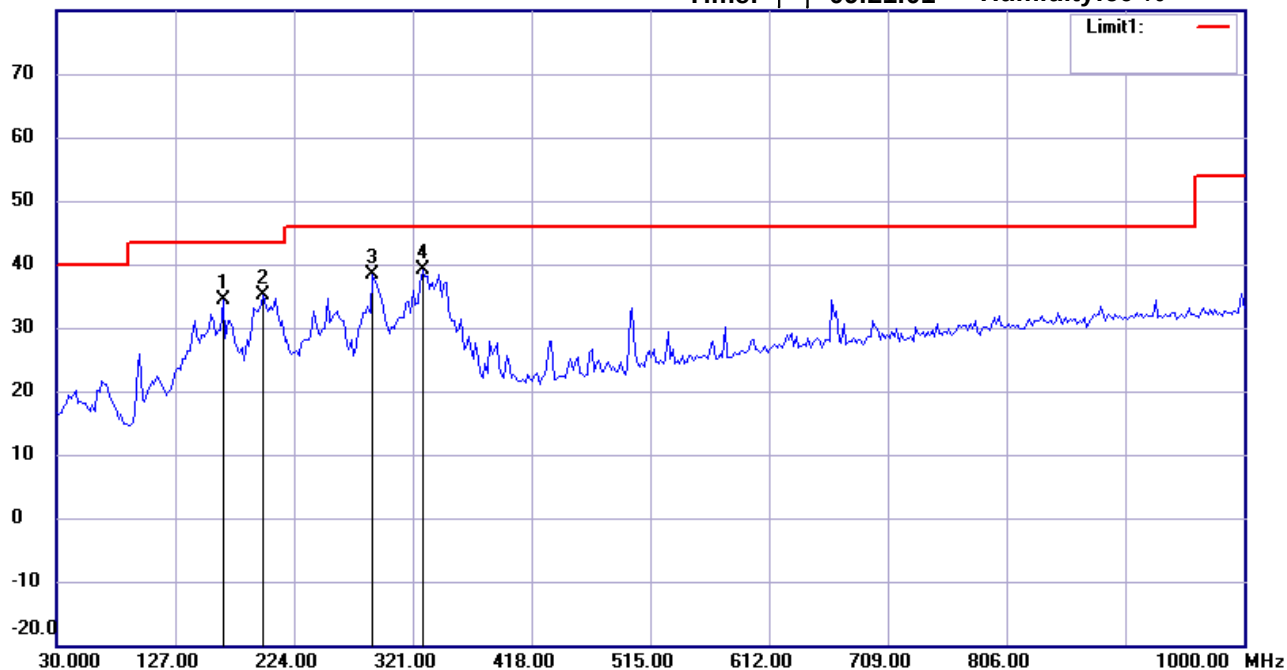
Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:21:01

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	166.0721	19.07	peak	15.25	34.32	43.50	100	95	-9.18	
	199.1182	22.93	peak	12.15	35.08	43.50	100	120	-8.42	
	288.5371	22.49	peak	15.80	38.29	46.00	100	145	-7.71	
*	329.3586	22.26	peak	16.83	39.09	46.00	100	160	-6.91	



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Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

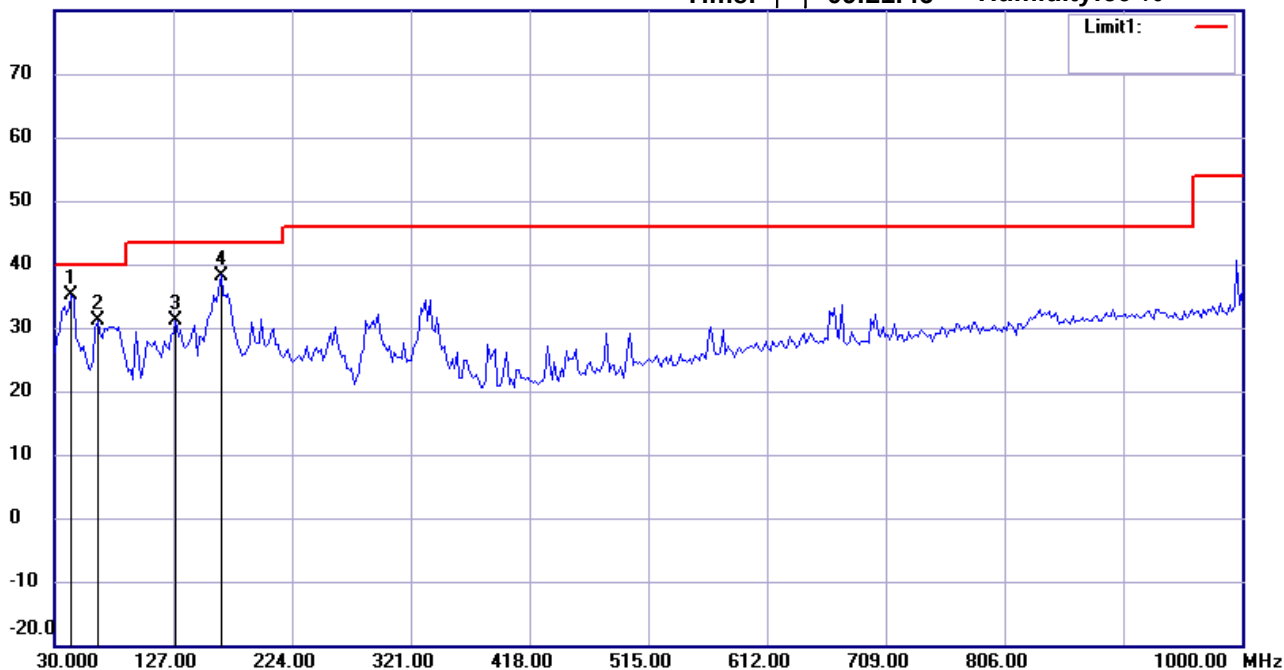
Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:21:46

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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
*	43.6072	20.22	peak	14.82	35.04	40.00	100	35	-4.96	
	64.9900	18.54	peak	12.51	31.05	40.00	100	145	-8.95	
	129.1383	16.41	peak	14.72	31.13	43.50	100	160	-12.37	
	166.0721	23.00	peak	15.25	38.25	43.50	100	110	-5.25	

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



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

Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

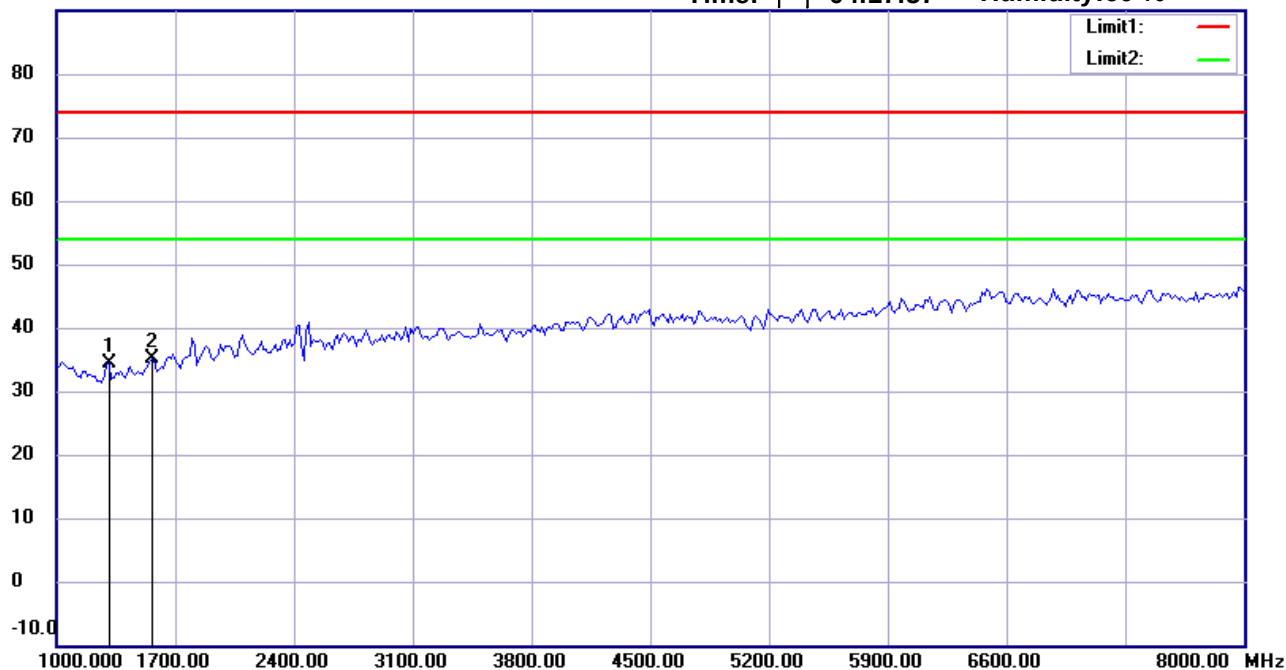
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:17:57

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	1308.617	42.93	peak	-8.65	34.28	74.00	100	75	-39.72	
*	1561.122	43.25	peak	-8.22	35.03	74.00	100	120	-38.97	

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



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

Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

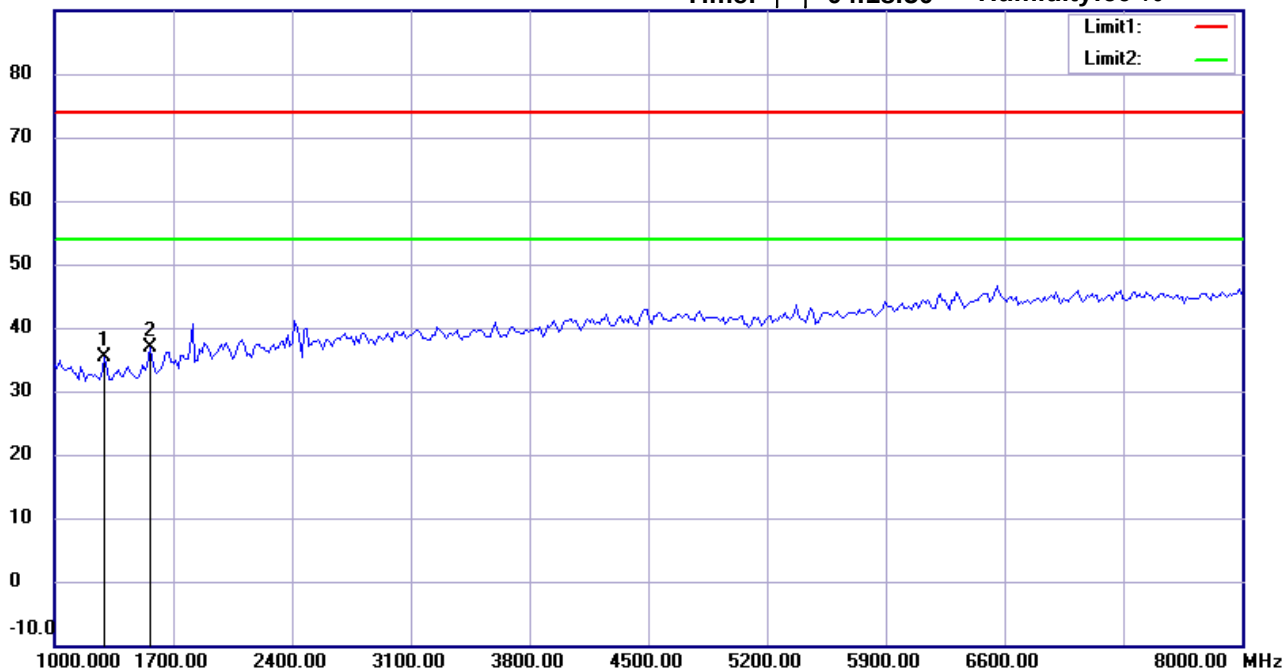
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:18:50

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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
	1294.589	44.04	peak	-8.69	35.35	74.00	100	15	-38.65	
*	1561.122	45.02	peak	-8.22	36.80	74.00	100	60	-37.20	

*: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 :#2

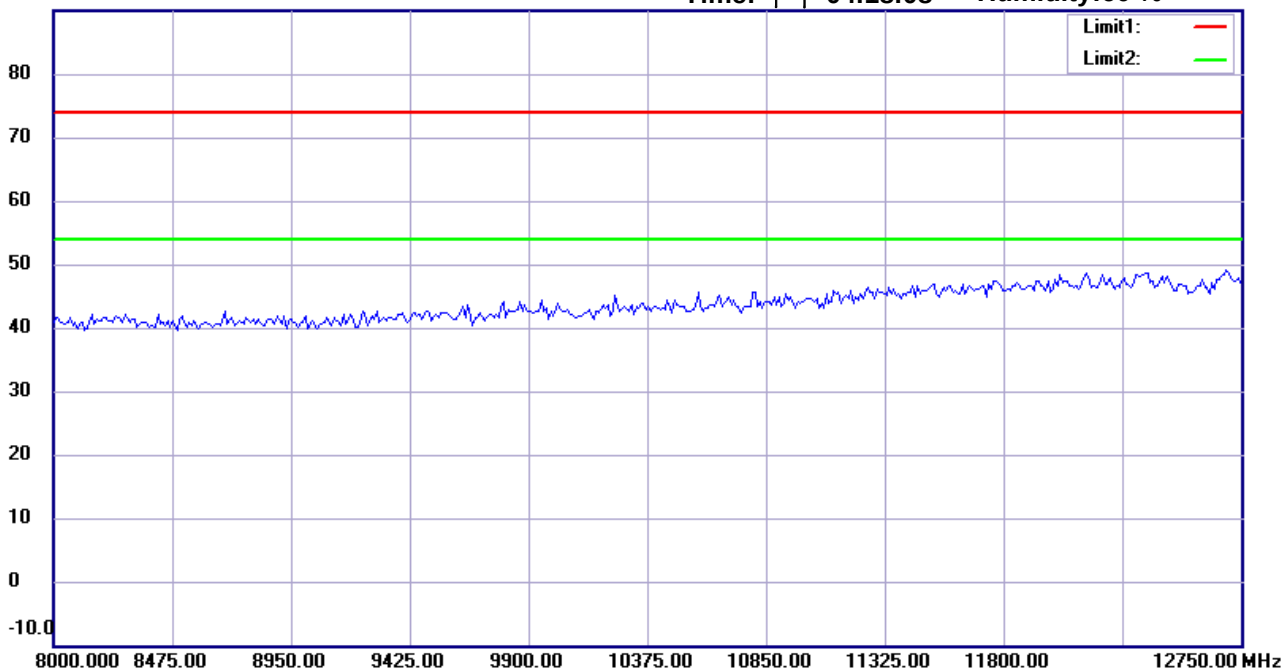
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:18:08

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

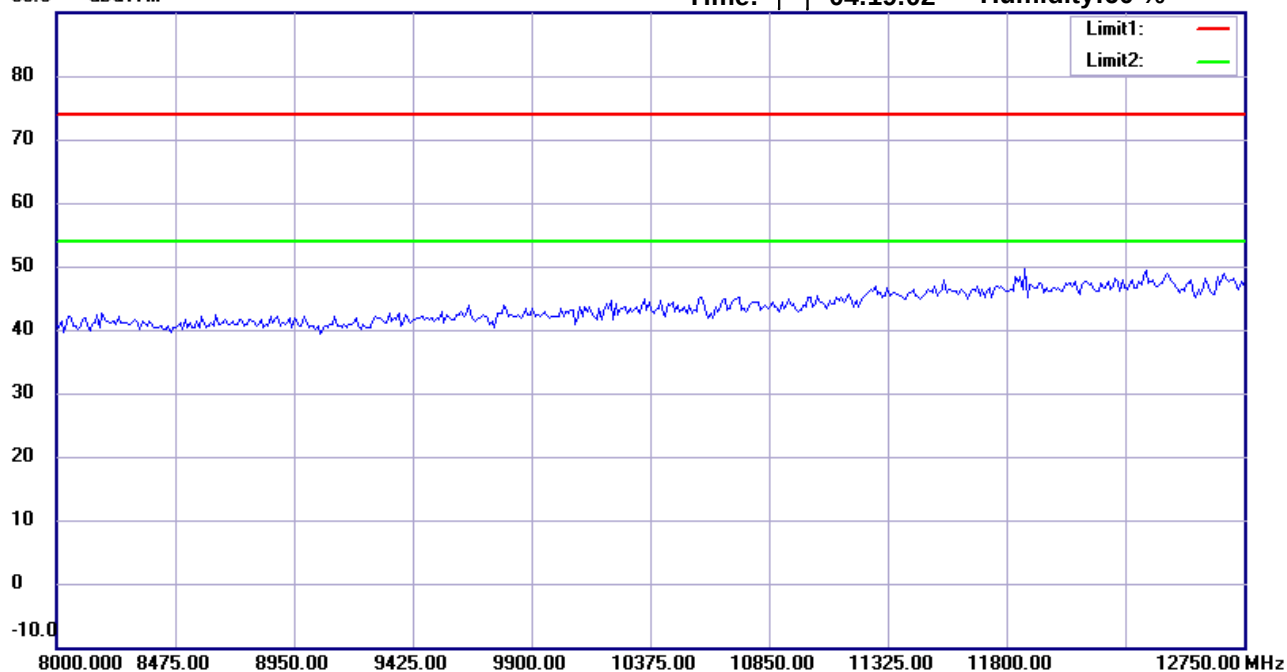
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:19:02

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#3

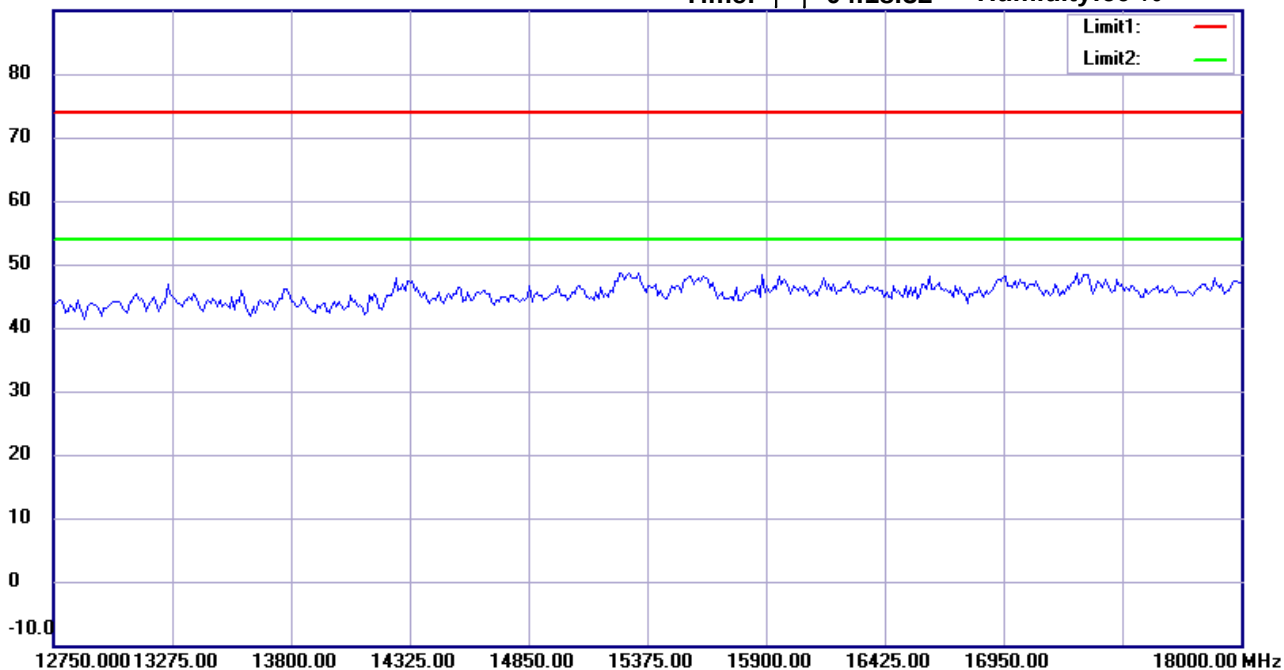
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:18:32

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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



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 :#7

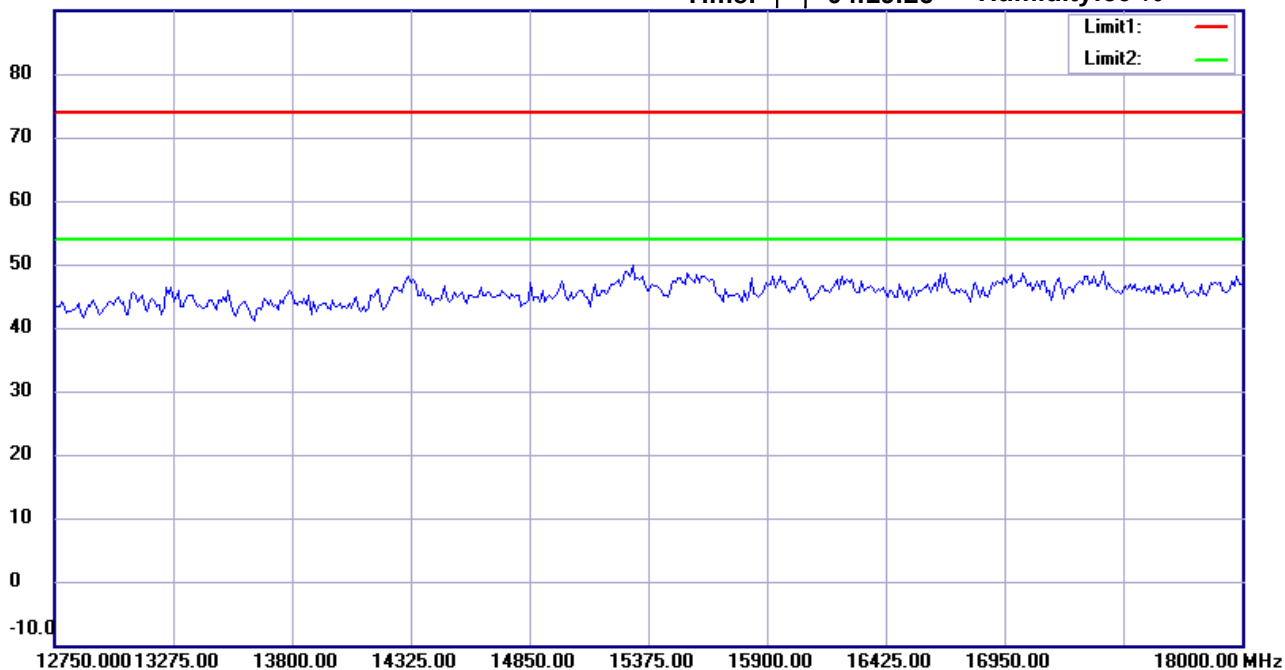
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:19:26

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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



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 : #4

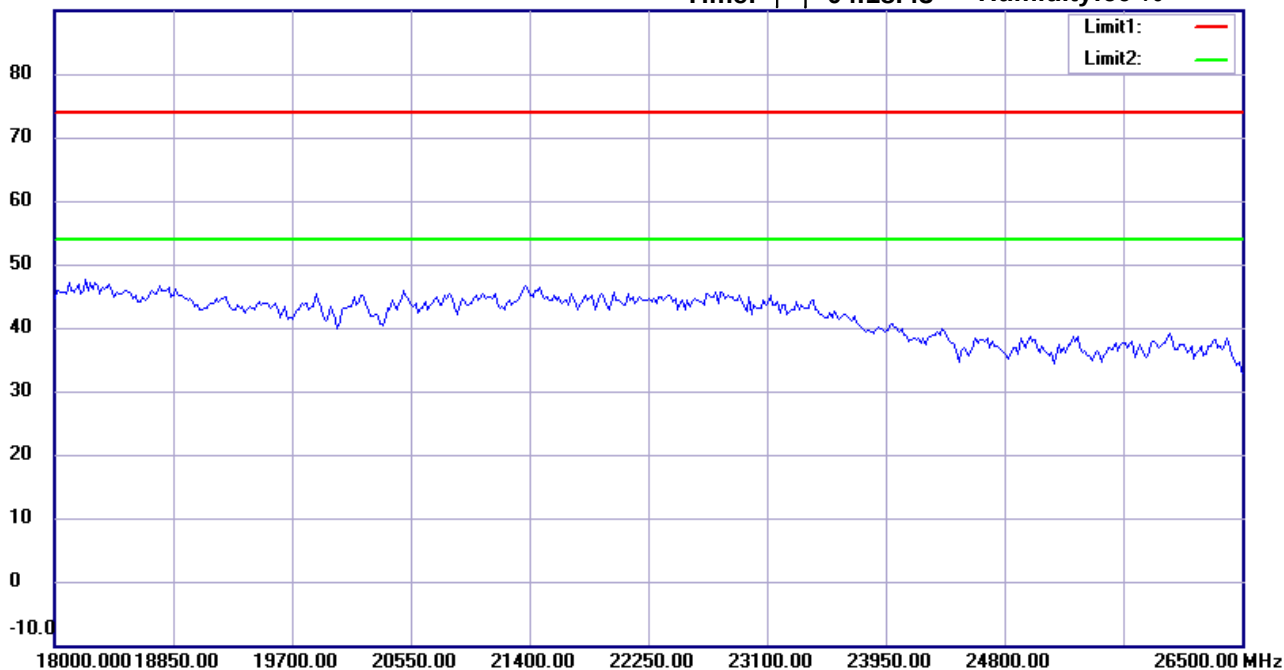
Date: 2015/8/1

Temperature: 24 °C

90.0 dBuV/m

Time: 下午 04:18:43

Humidity: 60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: *Horizontal*

Power : 3 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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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#8

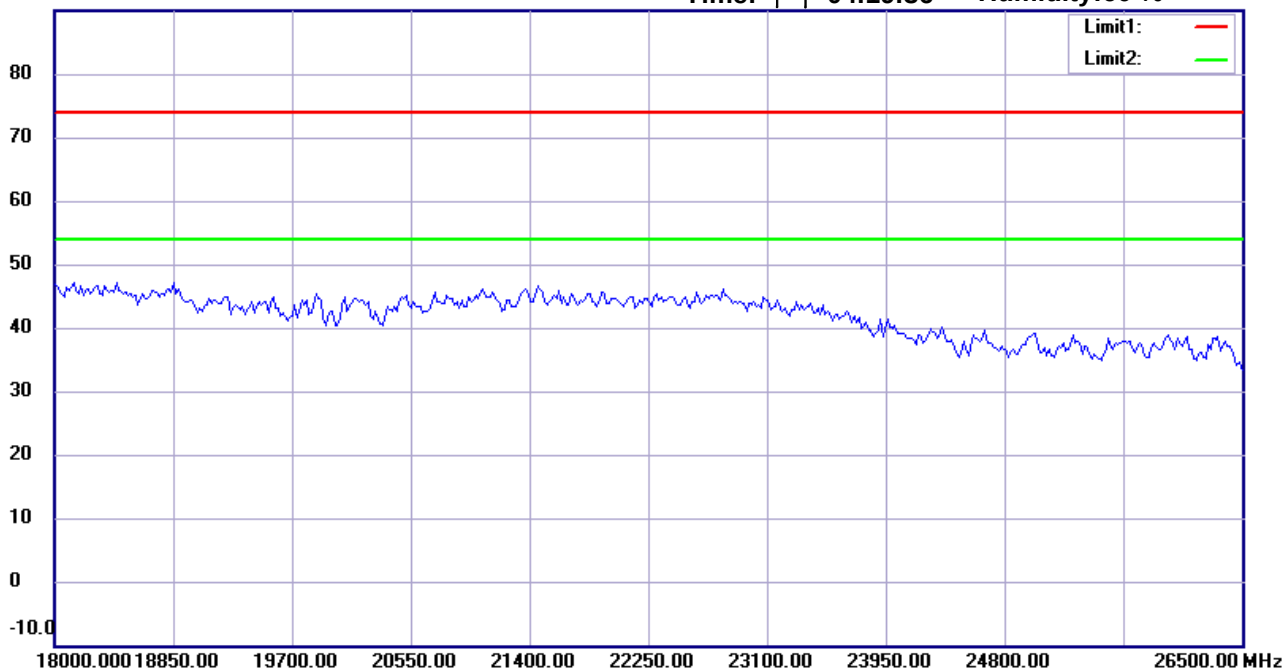
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:19:36

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2440MHz

Note :

Polarization: **Vertical**

Power : 3 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



Radiated Emission Measurement

Operator: Leon

File :1

Data :#1

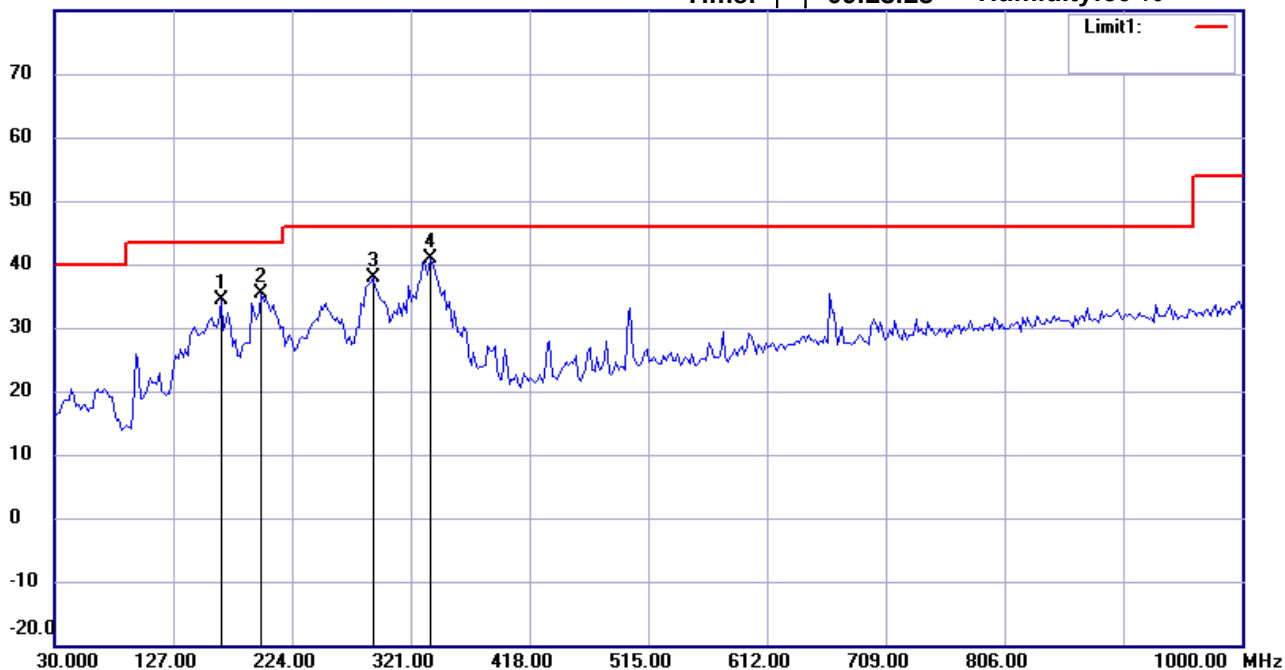
Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:23:25

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	166.0721	19.16	peak	15.25	34.41	43.50	100	165	-9.09	
	199.1182	23.32	peak	12.15	35.47	43.50	100	85	-8.03	
	290.4810	22.03	peak	15.84	37.87	46.00	100	110	-8.13	
*	337.1342	23.73	peak	17.04	40.77	46.00	100	25	-5.23	



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
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Radiated Emission Measurement

Operator: Leon

File :1

Data :#2

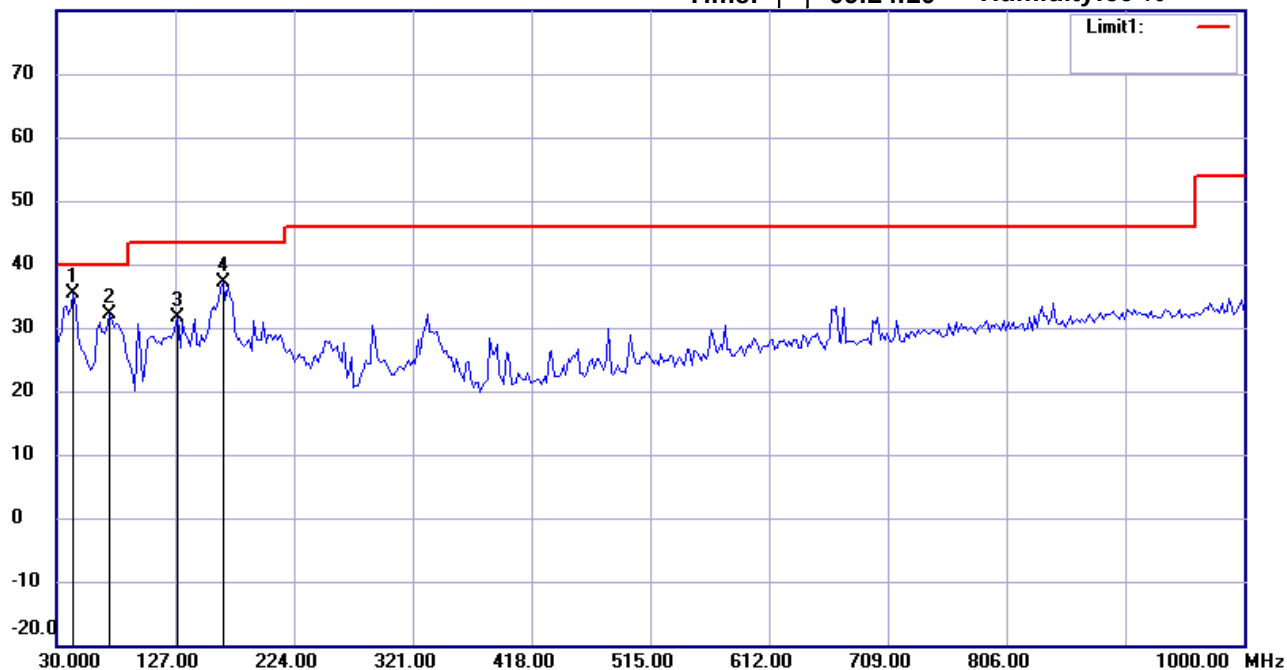
Date: 2015/8/1

Temperature:24 °C

80.0 dBuV/m

Time: 下午 09:24:10

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 3 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
*	43.6072	20.48	peak	14.82	35.30	40.00	100	15	-4.70	
	72.7655	20.75	peak	11.39	32.14	40.00	100	120	-7.86	
	129.1383	16.83	peak	14.72	31.55	43.50	100	70	-11.95	
	166.0721	21.78	peak	15.25	37.03	43.50	100	145	-6.47	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#1

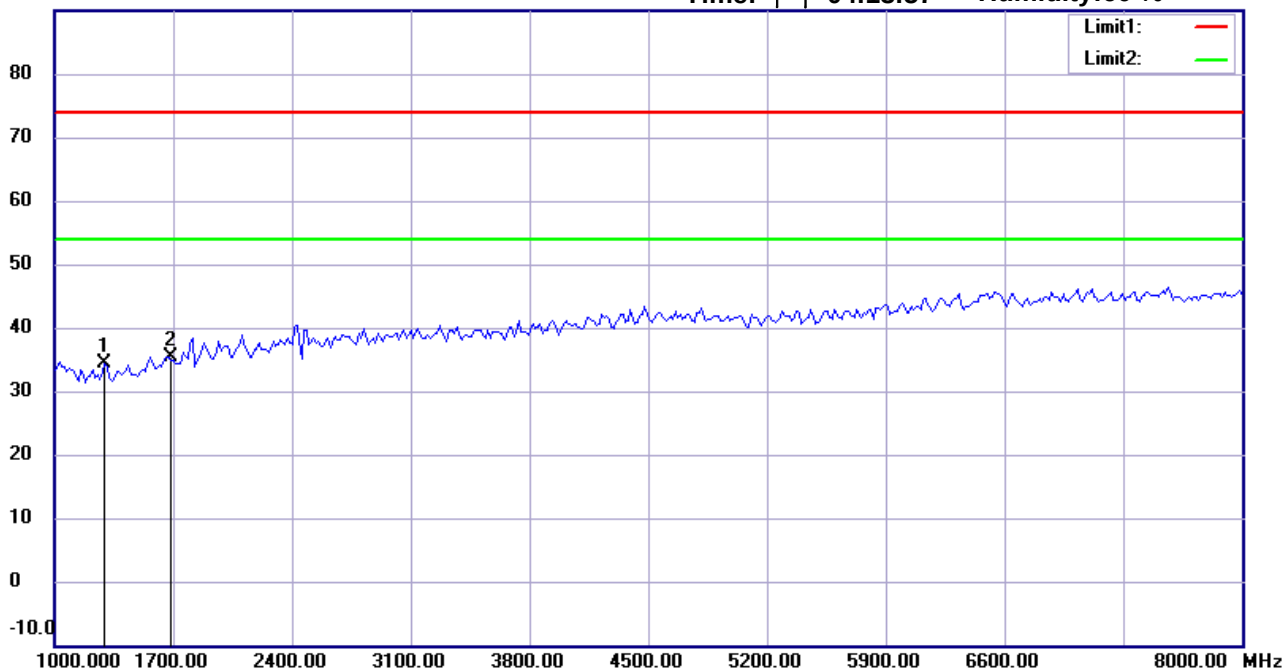
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:13:57

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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
	1294.589	43.03	peak	-8.69	34.34	74.00	100	155	-39.66	
*	1673.347	42.78	peak	-7.40	35.38	74.00	100	230	-38.62	

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



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Radiated Emission Measurement

Operator: Leon

File :3

Data :#5

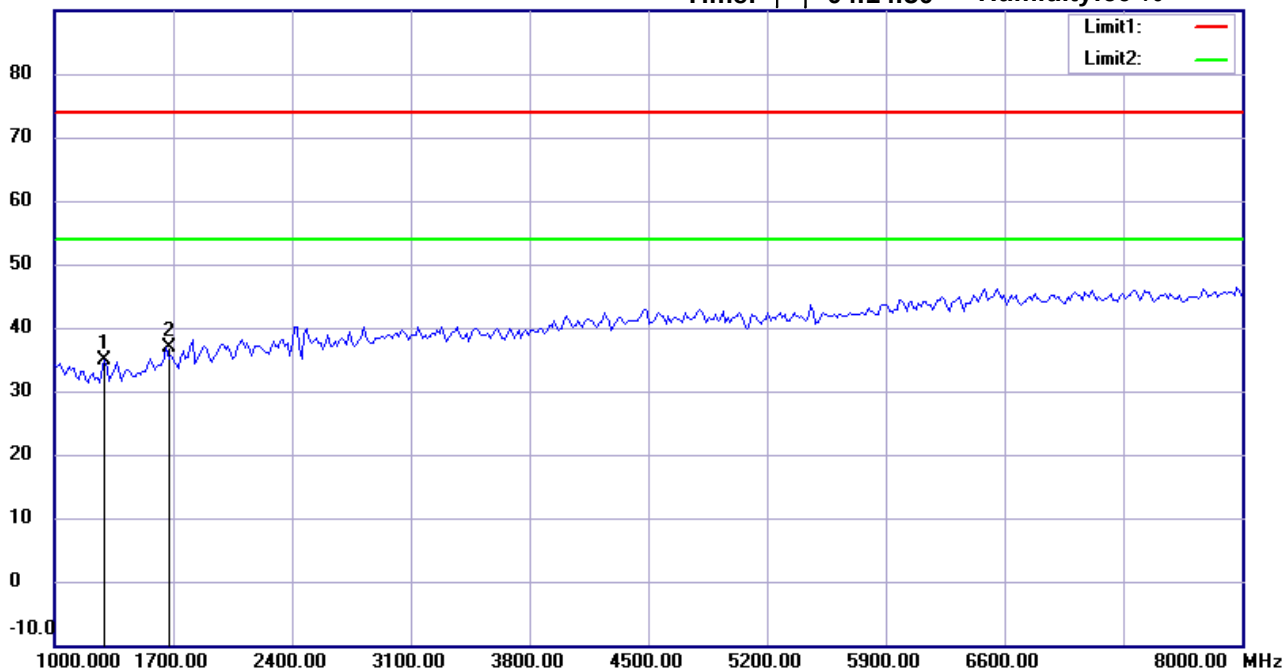
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:14:50

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 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
	1294.589	43.47	peak	-8.69	34.78	74.00	100	55	-39.22	
*	1659.319	44.34	peak	-7.47	36.87	74.00	100	70	-37.13	

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



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

Radiated Emission Measurement

Operator: Leon

File :3

Data :#2

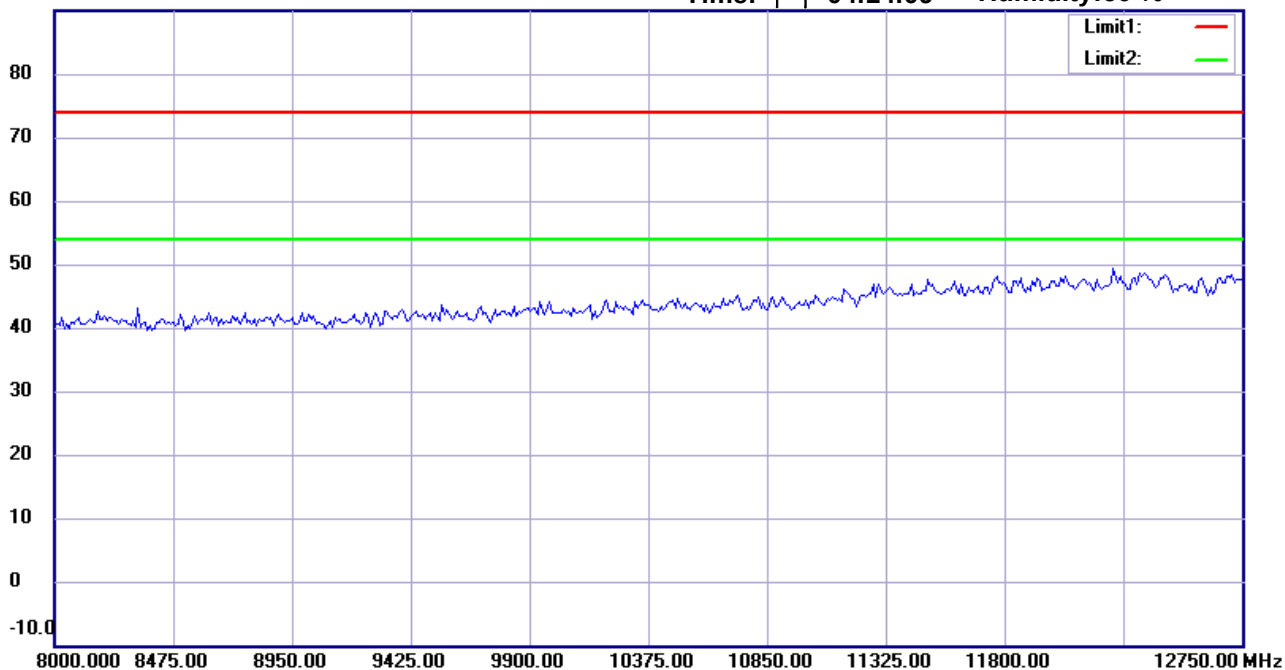
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:14:09

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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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Tel:+886-2-6606-8877
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Radiated Emission Measurement

Operator: Leon

File :3

Data :#6

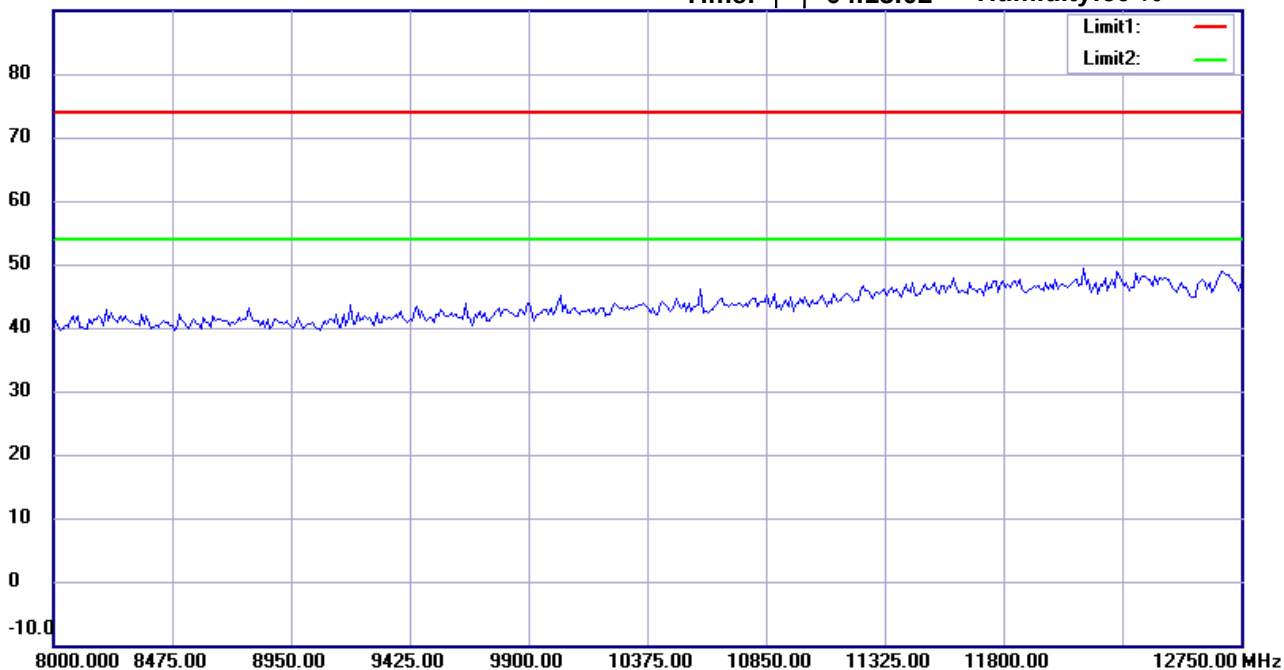
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:15:02

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 3 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



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 :#3

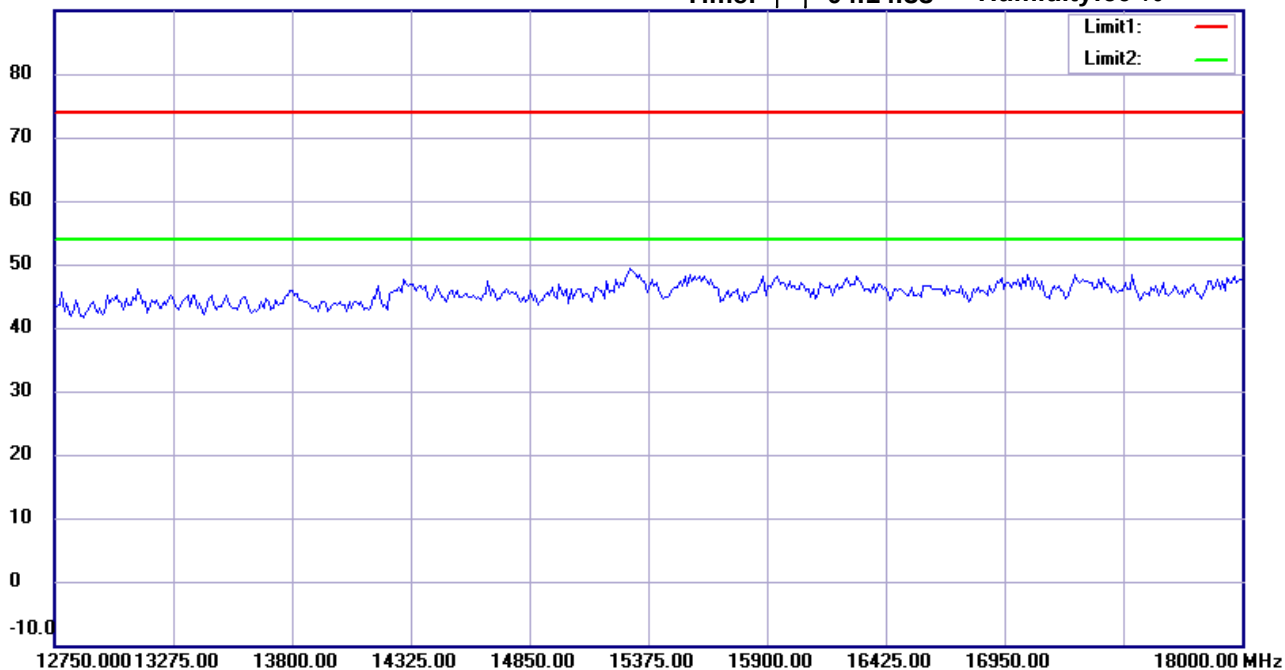
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:14:33

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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 :#7

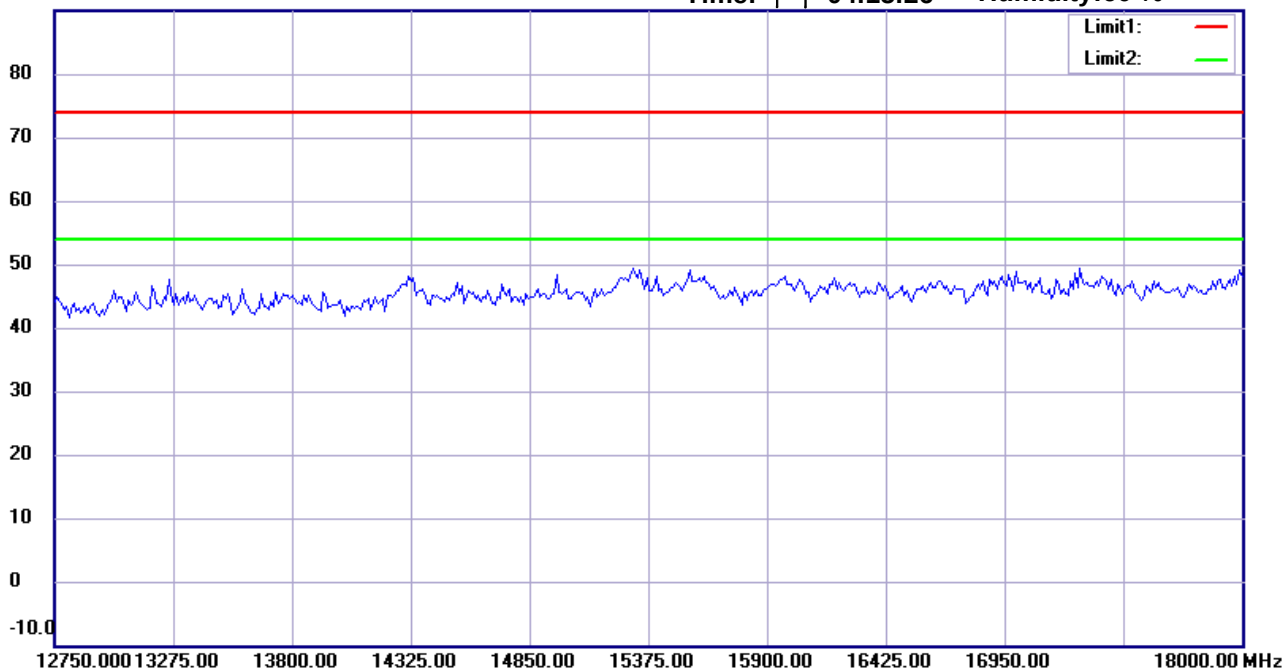
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:15:26

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: Vertical

Power : 3 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 :#4

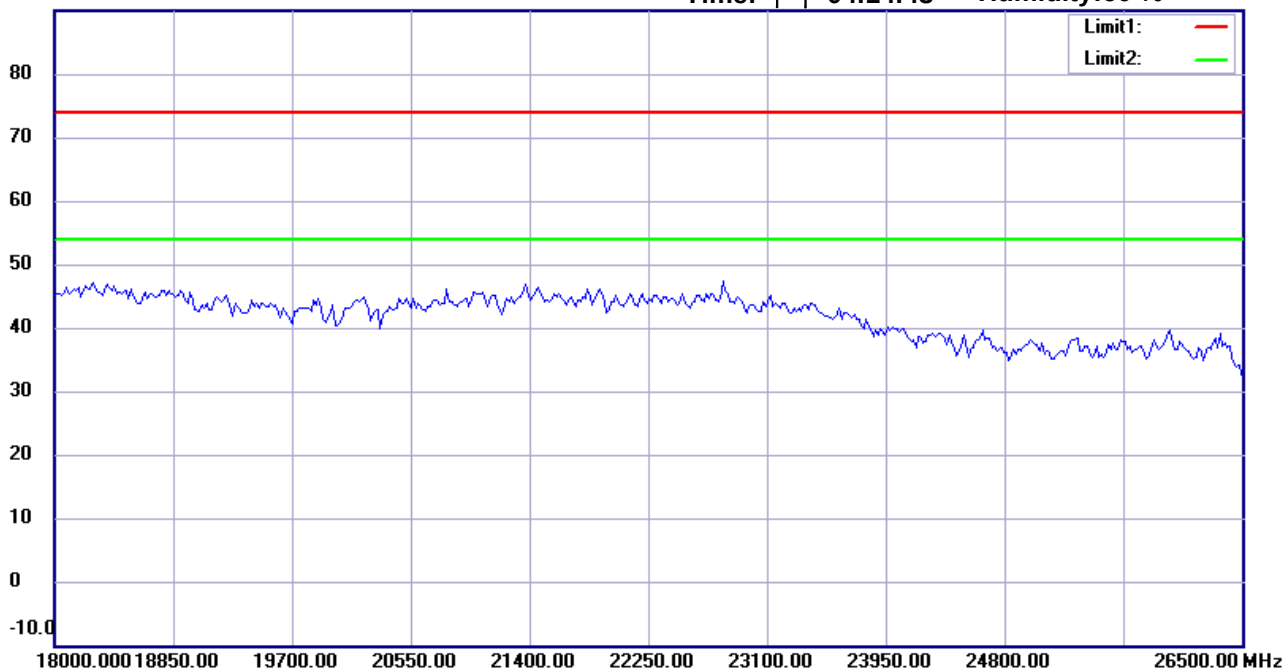
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:14:43

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: *Horizontal*

Power : 3 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 :#8

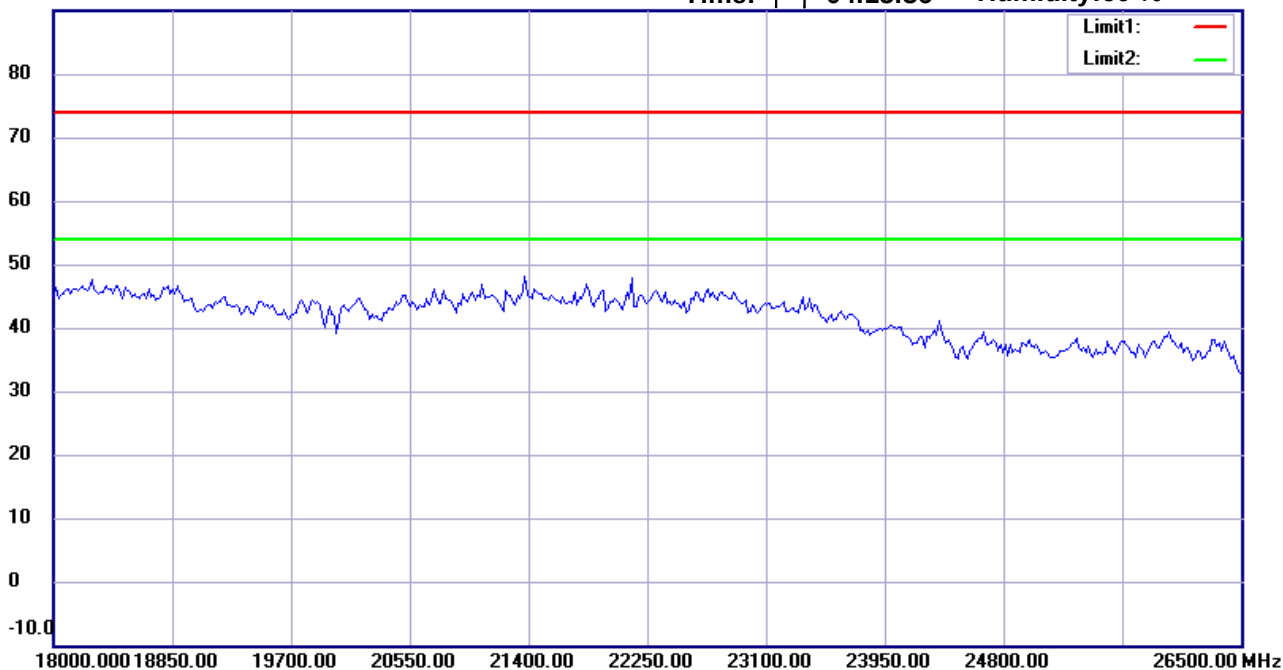
Date: 2015/8/1

Temperature:24 °C

90.0 dBuV/m

Time: 下午 04:15:36

Humidity:60 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21506-15101

M/N:

Test Mode : RX 2480MHz

Note :

Polarization: **Vertical**

Power : 3 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