

FCC PART 15 SUBPART C / IC RSS-210 TEST REPORT

for

Electronic Z-Wave Touchscreen Leverset

Model No.: TL-505-PZ

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

of

Applicant: **Taiwan Fu Hsing Industrial Co., Ltd.**

Address: **No.88, Yucai Rd., Gangshan Dist., Kaohsiung City 820,
Taiwan (R.O.C.)**

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

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

A2LA Accredited No.: 2732.01



Report No.: W6M21901-18736-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



Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

TABLE OF CONTENTS

1	GENERAL INFORMATION	2
1.1	NOTES.....	2
1.2	TESTING LABORATORY	3
1.2.1	Location	3
1.2.2	Details of accreditation status	3
1.3	DETAILS OF APPROVAL HOLDER.....	4
1.4	APPLICATION DETAILS	4
1.5	GENERAL INFORMATION OF TEST ITEM	4
1.6	TEST STANDARDS.....	4
2	TECHNICAL TEST	5
2.1	SUMMARY OF TEST RESULTS	5
2.2	TEST ENVIRONMENT	5
2.3	TEST EQUIPMENT LIST	6
2.4	GENERAL TEST PROCEDURE	9
3	TEST RESULTS (ENCLOSURE)	10
3.1	PEAK OUTPUT POWER (TRANSMITTER)	11
3.2	EQUIVALENT ISOTROPIC RADIATED POWER.....	16
3.3	RF EXPOSURE COMPLIANCE REQUIREMENTS	16
3.4	OUT OF BAND RADIATED EMISSIONS.....	17
3.5	SPURIOUS EMISSION (TX)	18
3.6	RADIATED EMISSIONS FROM RECEIVER PART	19
3.7	RADIATED EMISSION ON THE BAND EDGE	20
3.8	POWER LINE CONDUCTED EMISSION	26
	APPENDIX.....	27



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

1 General Information

1.1 Notes

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

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

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

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

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

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

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

Tester:

March 22, 2019

Leon Chueh

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

March 22, 2019

Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

1.2 Testing laboratory

1.2.1 Location

OATS

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

Wanli Dist., New Taipei City 207,

Taiwan (R.O.C.)

3 meter semi-anechoic chamber

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

TEL:886-2-6613-0228

FAX:886-2-2791-5046

Company

Worldwide Testing Services(Taiwan) Co., Ltd.

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

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

Tel : 886-2-66068877

Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA accredited number: 2732.01

FCC filed test laboratory Reg. No. TW1477, TW0020, TW1072

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

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

Name: ./.

Accredited number: ./.

Street: ./.

Town: ./.

Country: ./.

Telephone: ./.

Fax: ./.



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

1.3 Details of approval holder

Name: Taiwan Fu Hsing Industrial Co., Ltd.
Street: No.88, Yucai Rd., Gangshan Dist.,
City: Kaohsiung City 820,
Country: Taiwan (R.O.C.)
Telephone: 886-7-6225151
Fax: 886-7-6224700

1.4 Application details

Date of receipt of test item: March 6, 2019
Date of test: From March 7, 2019 to March 21, 2019

1.5 General information of Test item

Type of test item: Electronic Z-Wave Touchscreen Leverset
Model Number: TL-505-PZ
Multi-listing model number: ./.
Photos: see Annex

Technical data

Frequency band: 908-916 MHz
Operation Frequency: 908.42MHz, 908.4MHz, 916MHz
Operation modes: Duplex
Modulation Type: FSK
Antenna type: PCB Antenna
Power supply: Battery 1.5Vd.c. x4

Manufacturer: (if different from applicant)

Name: ./.
Street: ./.
Town: ./.
Country: ./.

Additional information: ./.

1.6 Test standards

Technical standard : FCC RULES PART 15 SUBPART C § 15.249 (2017-10)
CANADA RSS-210 Issue 9 (2016-08)
CANADA RSS-Gen Issue 5 (2018-04)



Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

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

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details Power supply: Battery 1.5Vd.c. x4

Extreme conditions parameters: Not required

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty : AMN : 1.30 dB Voltage probe : 1.36 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty : 0.009-30 MHz : 2.02 dB 30-1000 MHz : 3.49 dB 1-18 GHz : 3.01 dB 18-40 GHz : 2.43 dB
Estimation Result of Uncertainty of Conducted Output Power Measurement Output power	Expanded Uncertainty : 1.72 dB
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty : 0.98 dBc

The decision rule is : Measurement uncertainty is not taken into account.



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

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	2018/5/30	2019/5/29
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2018/11/1	2019/10/31
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2018/8/21	2019/8/20
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	2018/7/13	2019/7/12
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2018/9/25	2019/9/24
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2018/7/16	2019/7/15
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2018/5/30	2019/5/29
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2018/5/21	2019/5/20
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	2018/7/13	2019/7/12
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2018/7/12	2019/7/11
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2019/3/15	2020/3/14
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2019/1/29	2020/1/28
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2018/4/13	2019/4/12
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2018/4/26	2019/4/25
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2019/2/26	2020/2/28
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2019/2/26	2020/2/28
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2019/2/26	2020/2/28
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2019/3/5	2020/3/4
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2019/2/26	2020/2/28
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2019/3/15	2020/3/14
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	2018/9/17	2019/9/16
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2018/9/18	2019/9/17
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2018/4/16	2019/4/15
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2019/2/13	2020/2/12
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

ETSTW-RE 115	2.4GHz Notch Filter	N0124411	473874	MICROWAVE CIRCUITS	2019/1/15	2020/1/14
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2018/5/29	2019/5/28
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2018/8/8	2019/8/7
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2018/8/8	2019/8/7
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2019/2/26	2020/2/28
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2018/8/8	2019/8/7
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2018/8/8	2019/8/7
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2019/3/15	2020/3/14
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2019/3/15	2020/3/14
ETSTW-RE 151	Thermohygrometer	608-h1	45104376	TESTO	2018/8/17	2019/8/16
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2018/5/10	2019/5/9
ETSTW-EMS 008	Exposure Level Tester	ELT-400	G-0009	Narda	2018/7/17	2019/7/16
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2019/3/5	2020/3/4
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2019/2/26	2020/2/28
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2018/10/19	2019/10/18
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2019/1/14	2020/1/13
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2019/1/14	2020/1/13
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2019/1/14	2020/1/13
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2019/1/14	2020/1/13
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2018/9/12	2019/9/11
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2019/3/5	2020/3/4
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2018/8/9	2019/8/8
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2019/2/21	2020/2/20
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2018/7/2	2019/7/1
ETSTW-Cable 026	Microwave Cable	SUCOFLEX 104	279075	HUBER+SUHNER	2019/2/26	2020/2/28
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2018/5/14	2019/5/13
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2018/9/18	2019/9/17
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2018/9/18	2019/9/17
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2019/2/26	2020/2/28
ETSTW-Cable 031	Microwave Cable	SUCOFLEX 104 (S Cable 10)	238092	HUBER+SUHNER	2019/3/15	2020/3/14



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2019/3/15	2020/3/14
ETSTW-Cable 048	Microwave Cable	SUCOFLEX 104	325519	HUBER+SUHNER	2019/3/15	2020/3/14
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2018/6/9	2019/6/8
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2019/3/15	2020/3/14
ETSTW-Cable 066	SMA type cable	32022	None	ASTROLAB	2019/3/15	2020/3/14
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2018/6/9	2019/6/8
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	



Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.10-2013 6.2 using a LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was according to ANSI STANDARD C63.10-2013 6.3 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB 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

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

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

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

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



Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

3 Test results (enclosure)

Test case	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.249 (a) IC RSS-210 A2.9	☒	☒	☐
Spurious Emissions radiated – Transmitter operating	15.249 (e) IC RSS-210 A2.9	☒	☒	☐
Spurious Emissions conducted – Transmitter operating	15.249 (e) IC RSS-210 A2.9	☐	☐	☐
Radiated Emission from Receiver Part	15.109 IC RSS-Gen	☒	☒	☐
Out of Band Spurious Emission, Band edge-Transmitter operating	15.249 (e) IC RSS-210 A2.9	☒	☒	☐
Power Line Conducted Emission	15.207 IC RSS-Gen	☐	☐	☐

The following is intentionally left blank.



Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

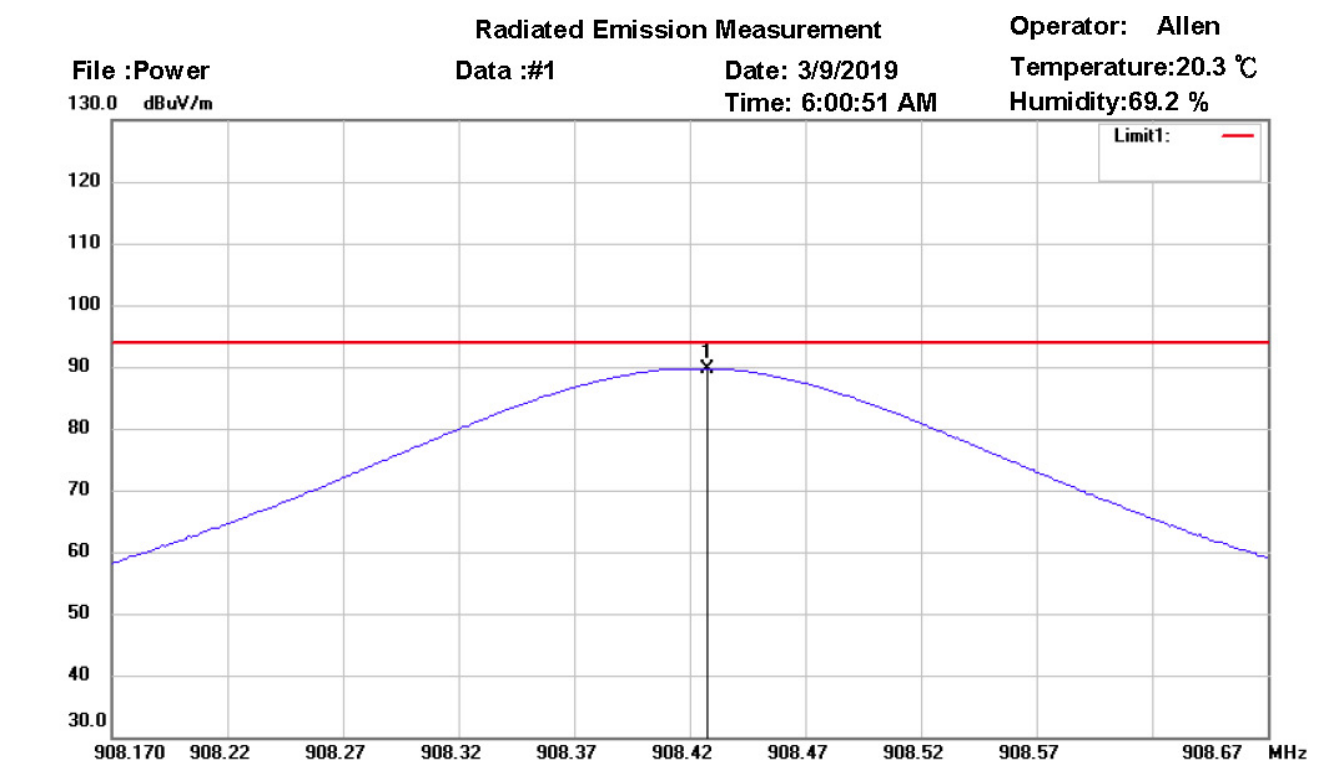
IC: 10365A-A29WG014

3.1 Peak Output Power (transmitter)

FCC Rule: 15.249 (b)

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

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



Site : Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 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
*	908.4275	56.76	QP	32.98	89.74	94.00	130	230	-4.26	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

Radiated Emission Measurement

Operator: Allen

File :Power

Data :#2

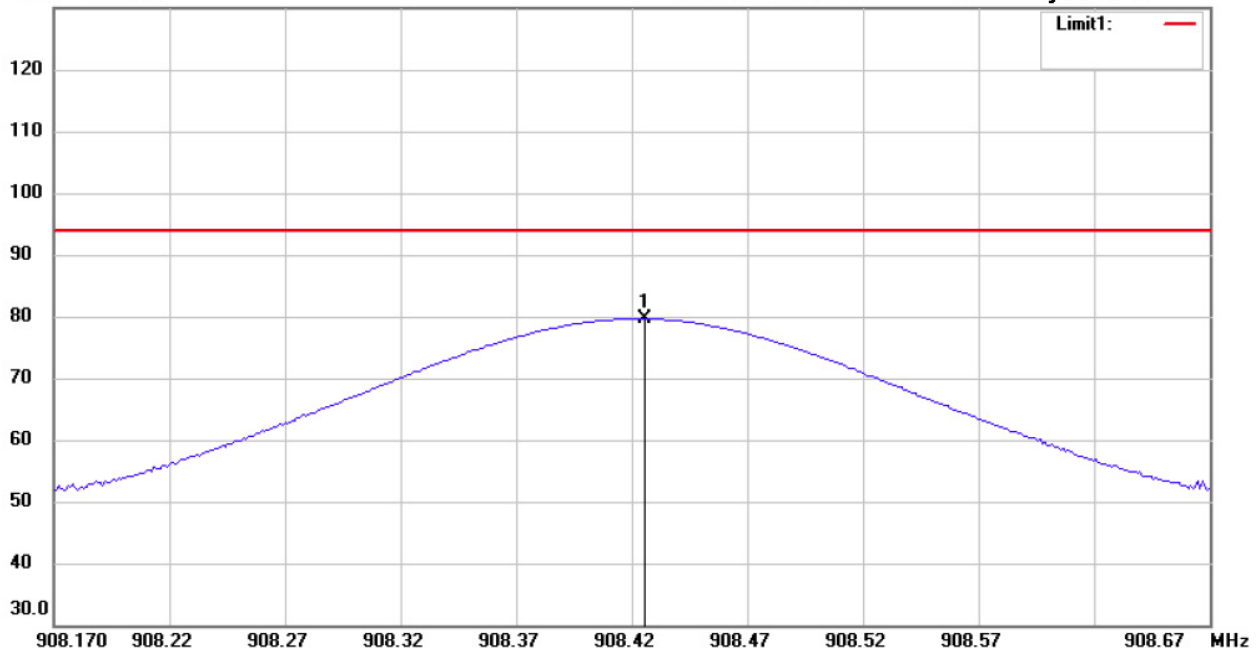
Date: 3/9/2019

Temperature:20.3 °C

130.0 dBuV/m

Time: 6:04:39 AM

Humidity:69.2 %



Site : Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

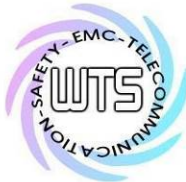
Note :

Polarization: *Vertical*

Power : 6 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
*	908.4255	46.70	QP	32.98	79.68	94.00	100	140	-14.32	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

Radiated Emission Measurement

Operator: Sky

File :Power

Data :#1

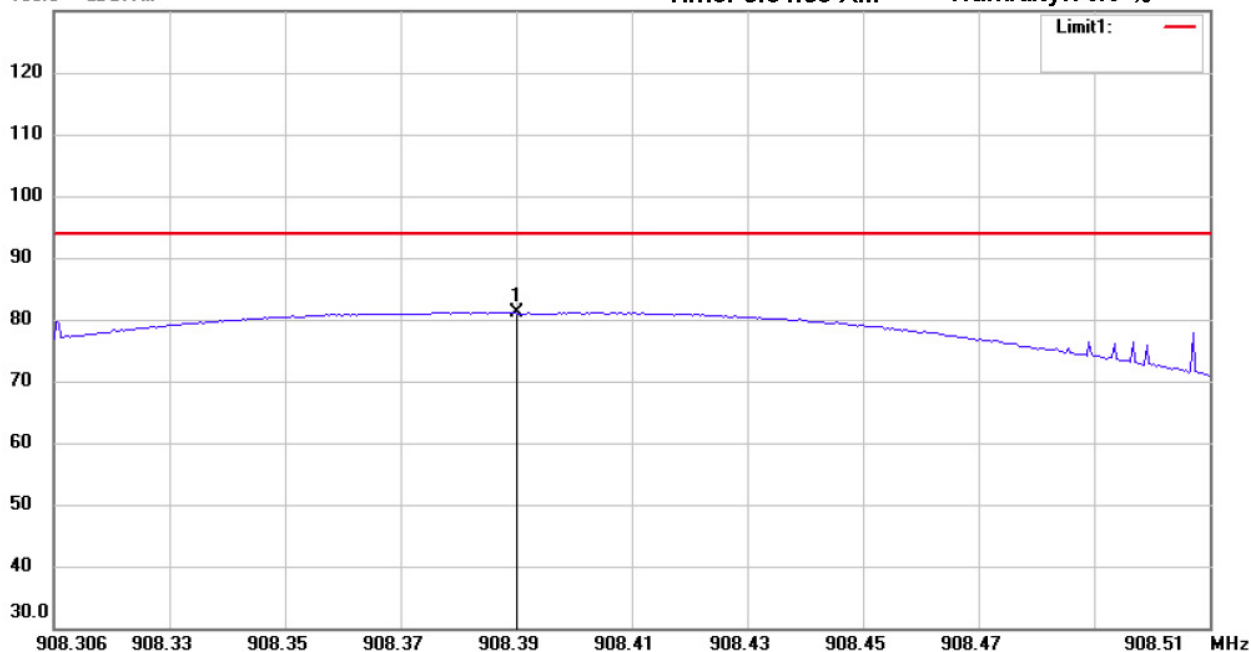
Date: 3/11/2019

Temperature:17.3 °C

130.0 dBuV/m

Time: 9:04:30 AM

Humidity:70.6 %



Site : Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 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
*	908.3860	50.17	peak	31.05	81.22	94.00	100	160	-12.78	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

Radiated Emission Measurement

Operator: Sky

File :Power

Data :#2

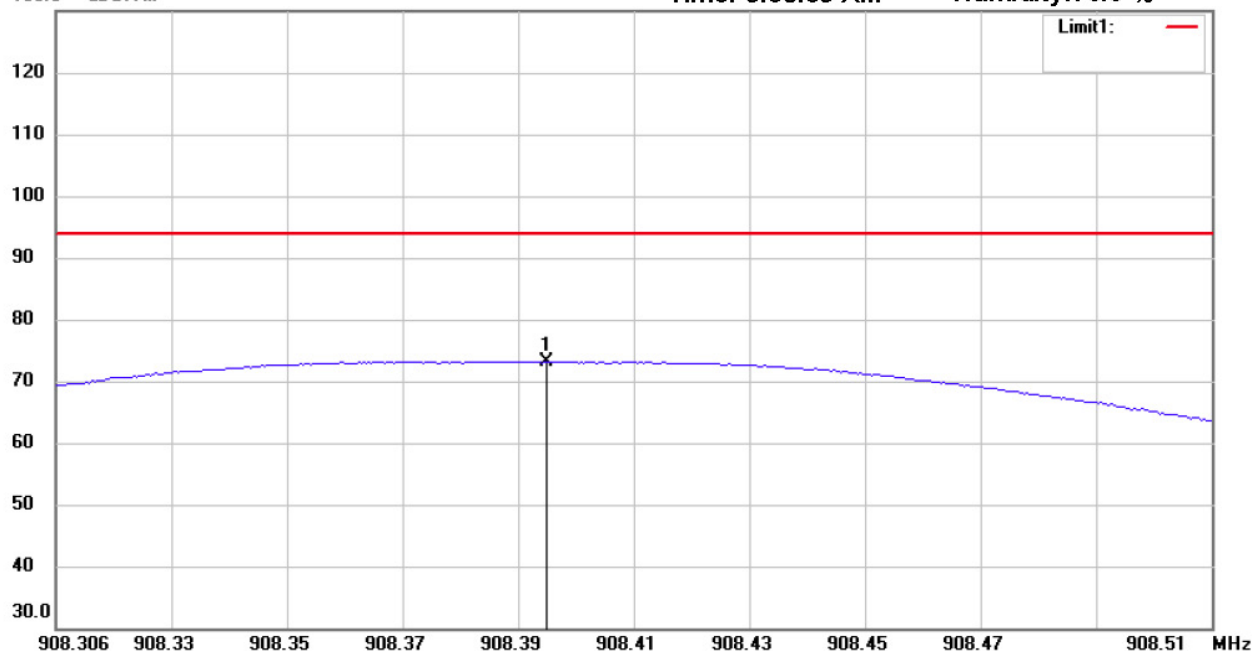
Date: 3/11/2019

Temperature:17.3 °C

130.0 dBuV/m

Time: 9:08:09 AM

Humidity:70.6 %



Site : Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Vertical*

Power : 6 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
*	908.3908	42.16	peak	31.05	73.21	94.00	100	160	-20.79	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

Radiated Emission Measurement

Operator: Vincent

File :Power

Data :#1

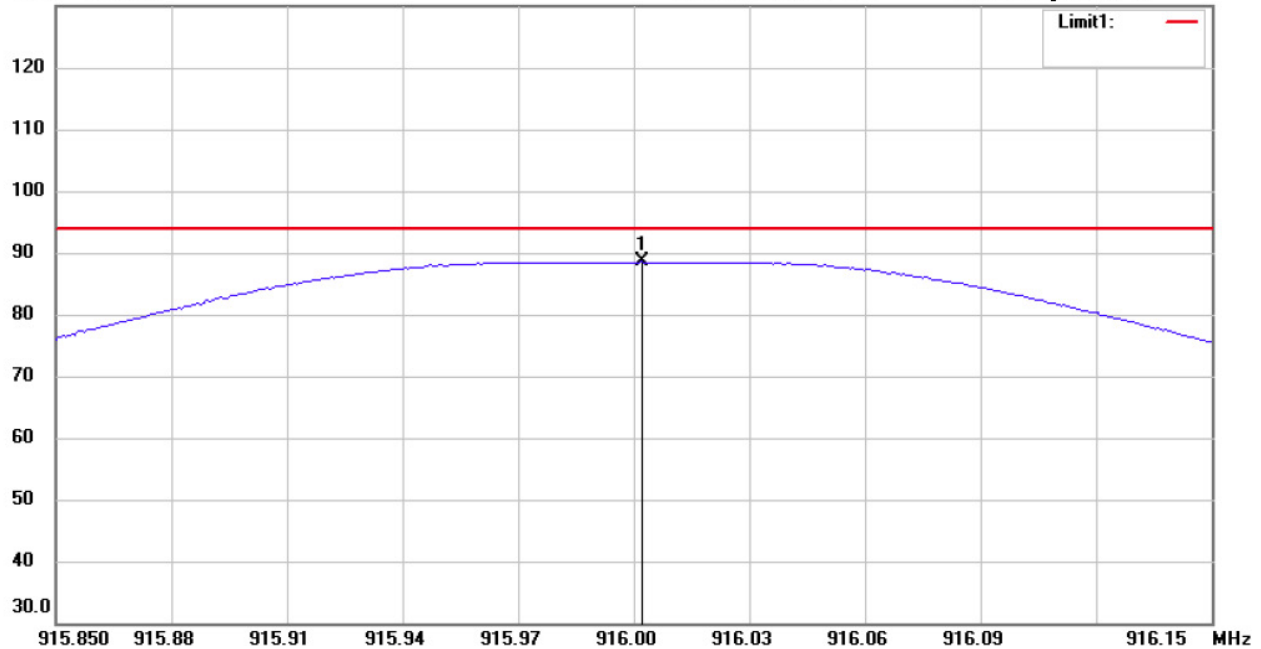
Date: 3/14/2019

Temperature:22.3 °C

130.0 dBuV/m

Time: 8:26:33 PM

Humidity:68.3 %



Site : Chamber

Condition : FCC 15.249 power(902-928)_QP

Polarization: *Horizontal*

EUT : W6M21901-18736

Power : 6 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 916MHz

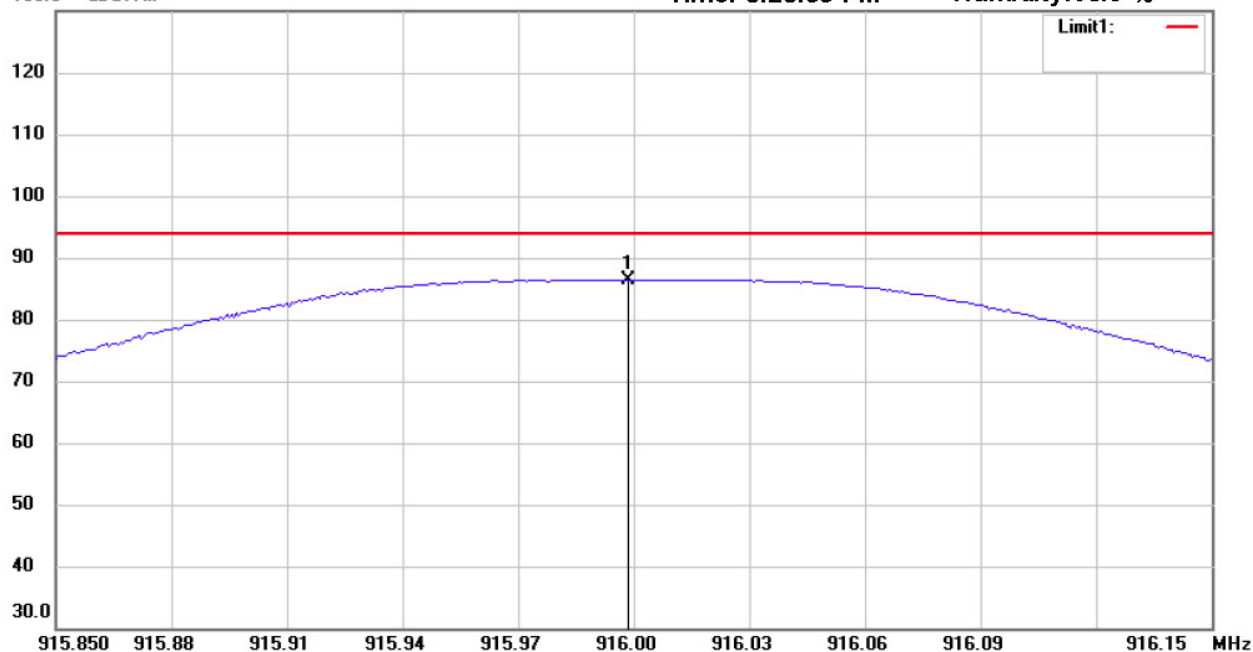
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	916.0021	55.40	QP	33.11	88.51	94.00	100	280	-5.49	



Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

Radiated Emission Measurement
File :Power **Data :#2** **Date: 3/14/2019** **Operator: Vincent**
130.0 dBuV/m **Time: 8:28:55 PM** **Temperature:22.3 °C**
Humidity:68.3 %



Site : Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: Vertical

Power : 6 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
*	915.9980	53.28	QP	33.11	86.39	94.00	140	70	-7.61	

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

3.2 Equivalent isotropic radiated power

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

3.3 RF Exposure Compliance Requirements

Not applicable for this EUT for the low power level.



Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

3.4 Out of Band Radiated Emissions

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

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

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

Limits:

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

For frequencies above 1 GHz (Peak measurements).

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

Or

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

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

Explanation: Please see attached diagram as appendix.



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

3.5 Spurious emission (tx)

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

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

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

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

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

The critical peak value listed in the table agree with the above calculated limits.

Summary table with radiated data of the test plots

Model: TL-505-PZ Date: --
Mode: -- Temperature: -- °C Engineer: --
Polarization: Horizontal Humidity: -- %

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

Polarization: Vertical

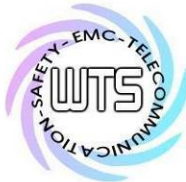
Frequency (MHz)	Reading (dBuV)	Detector	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

Note

1. **Correction Factor = Antenna factor + Cable loss - Preamplifier**
2. **The formula of measured value as: Test Result = Reading + Correction Factor**
3. **Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
4. **All not in the table noted test results are more than 20 dB below the relevant limits.**
5. **Up Line: PK Limit Line, Down Line: Ave Limit Line.**
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 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 030, ETSTW-RE 088, ETSTW-RE 018



Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

3.6 Radiated Emissions from Receiver Part

Summary table with radiated data of the test plots

Model: TL-505-PZ Date: --
Mode: -- Temperature: -- °C Engineer: --
Polarization: -- Humidity: -- %

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

Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Note

- 1. Correction Factor = Antenna factor + Cable loss - Preamplifier**
- 2. The formula of measured value as: Test Result = Reading + Correction Factor**
- 3. Detector function in the form : PK = Peak, QP = Quasi Peak, AV = Average**
- 4. All not in the table noted test results are more than 20 dB below the relevant limits.**
- 5. Please see attached diagrams in appendix.**

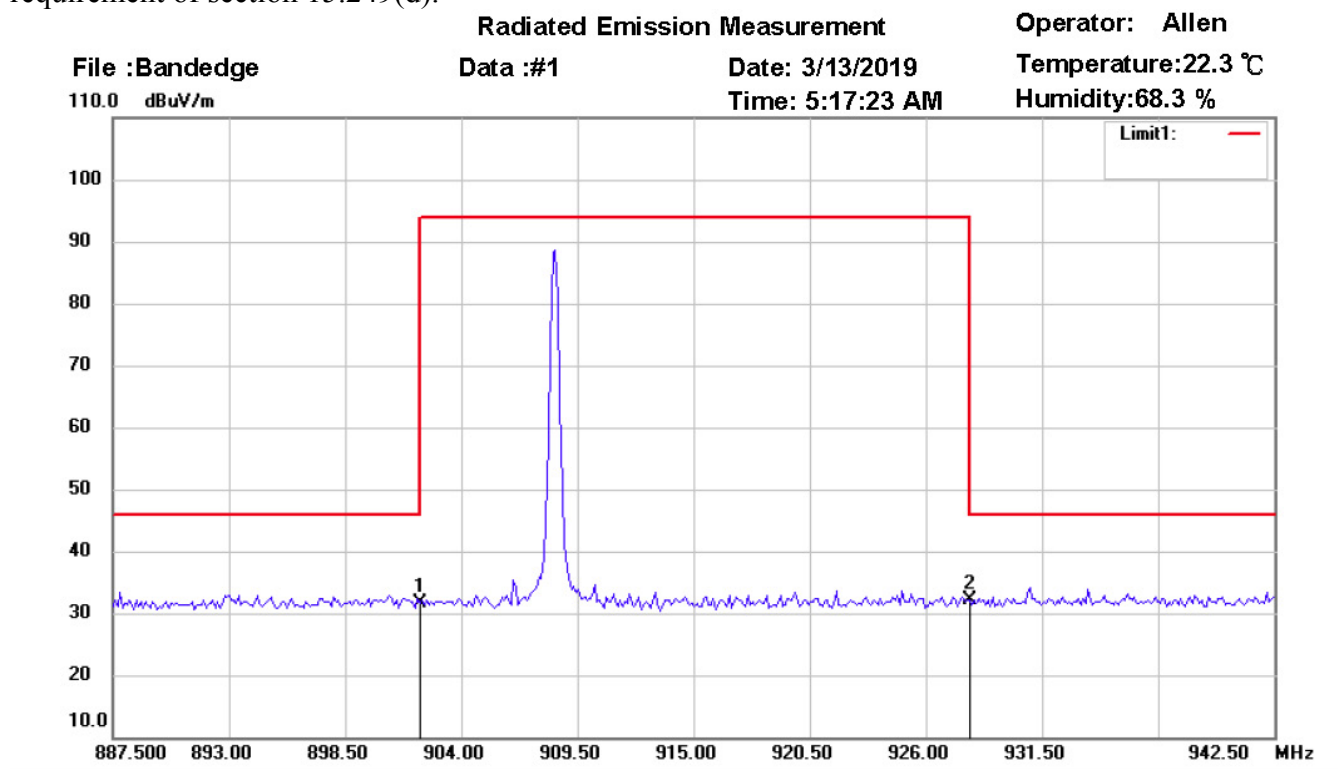
Test equipment used: ETSTW-RE 004, ETSTW-RE 062, ETSTW-RE 142, ETSTW-RE 147, ETSTW-RE 030,



Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

3.7 Radiated Emission on the band edge

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



Site : Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

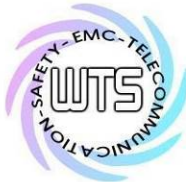
Note :

Polarization: *Horizontal*

Power : 6 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
	902.0000	26.64	QP	4.91	31.55	46.00	130	230	-14.45	
*	928.0000	26.68	QP	5.33	32.01	46.00	130	230	-13.99	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

Radiated Emission Measurement

Operator: Allen

File :Bandedge

Data :#2

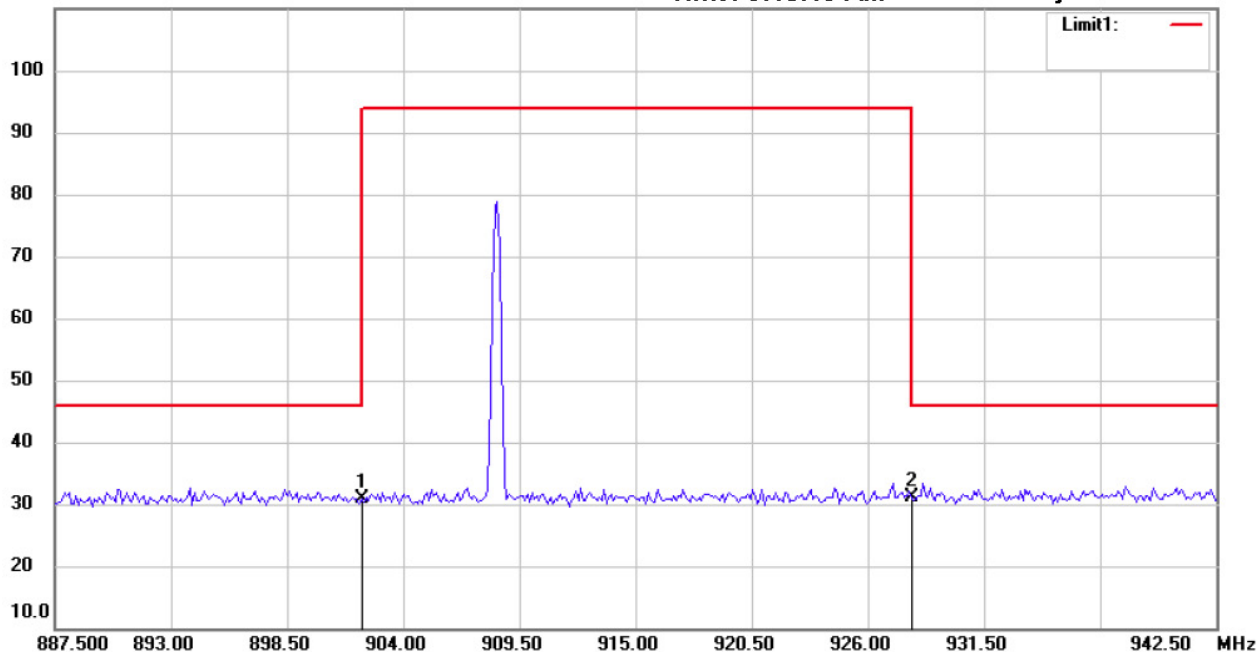
Date: 3/13/2019

Temperature:22.3 °C

110.0 dBuV/m

Time: 5:18:15 AM

Humidity:68.3 %



Site : Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Vertical*

Power : 6 Vd.c.

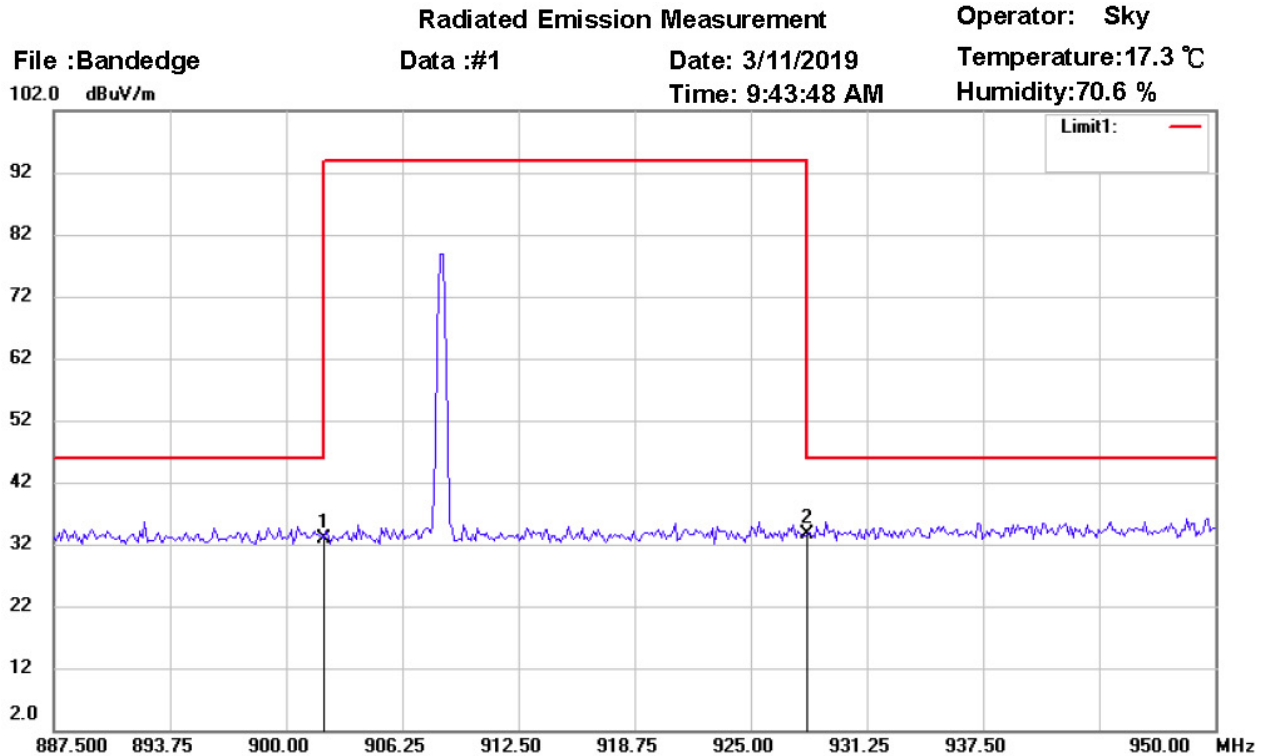
Distance: 3m

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
	902.0000	26.07	QP	4.91	30.98	46.00	100	140	-15.02	
*	928.0000	25.77	QP	5.33	31.10	46.00	100	140	-14.90	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014



Site : Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

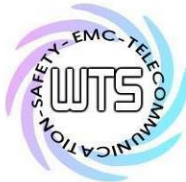
Note :

Polarization: *Horizontal*

Power : 6 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
	902.0000	2.07	peak	30.91	32.98	46.00	100	190	-13.02	
*	928.0000	2.17	peak	31.47	33.64	46.00	100	190	-12.36	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

Radiated Emission Measurement

Operator: Sky

File :Bandedge

Data :#2

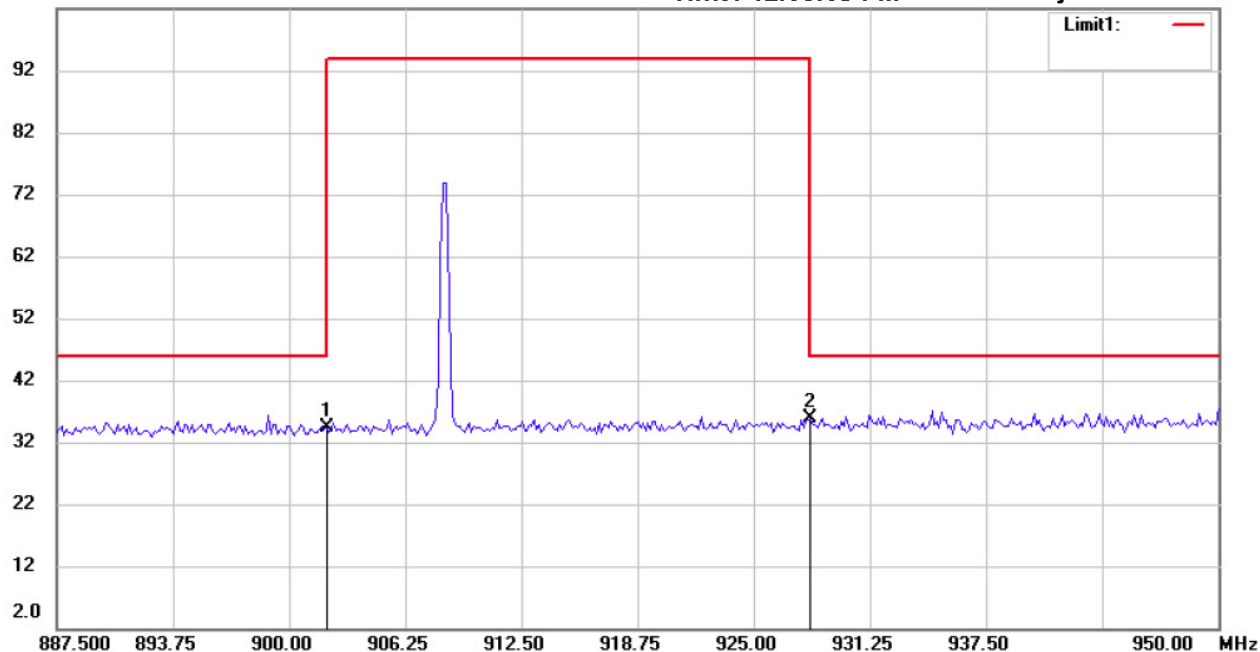
Date: 3/18/2019

Temperature:19.5 °C

102.0 dBuV/m

Time: 12:05:08 PM

Humidity:70.1 %



Site : Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Vertical*

Power : 6 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
	902.0000	1.45	peak	32.88	34.33	46.00	100	225	-11.67	
*	928.0000	2.54	peak	33.30	35.84	46.00	100	110	-10.16	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

Radiated Emission Measurement

Operator: Vincent

File :Bandedge

Data :#1

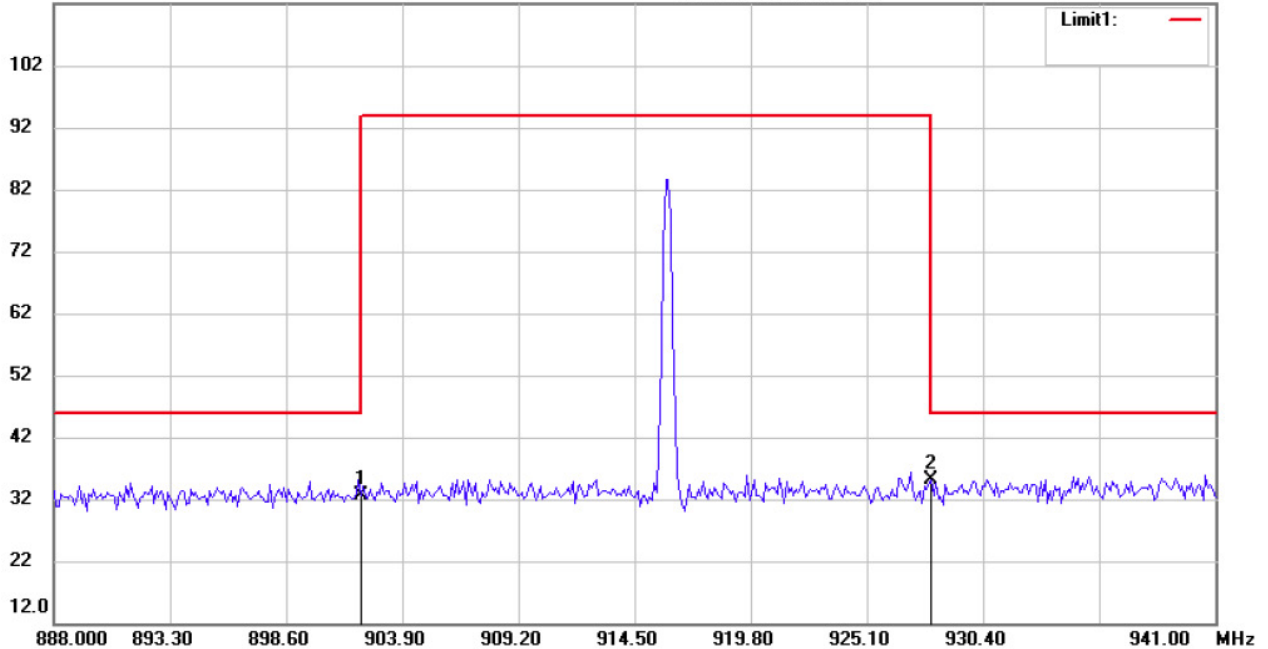
Date: 3/14/2019

Temperature:22.3 °C

112.0 dBuV/m

Time: 8:40:51 PM

Humidity:68.3 %



Site : Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

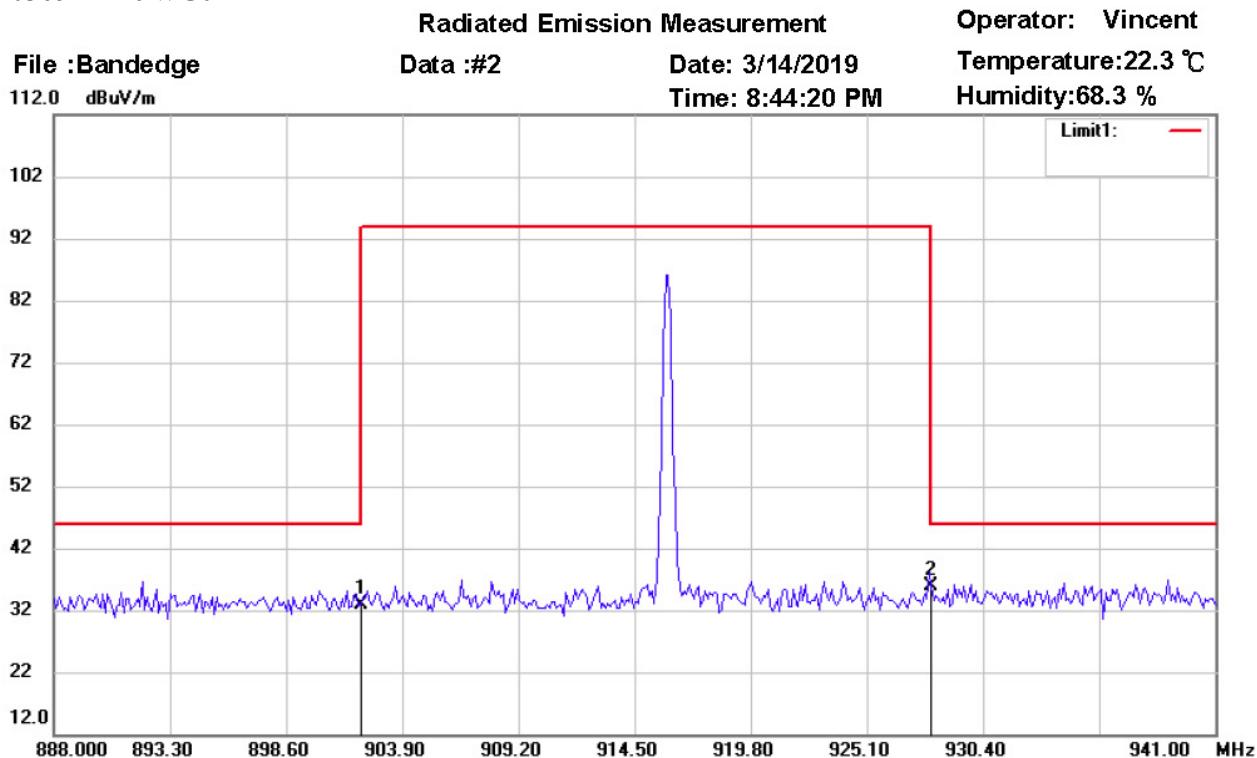
Distance: 3m

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
	902.0000	-0.24	QP	32.88	32.64	46.00	100	165	-13.36	
*	928.0000	1.81	QP	33.30	35.11	46.00	100	230	-10.89	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014



Site : Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: **Vertical**

Power : 6 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
	902.0000	0.07	QP	32.88	32.95	46.00	100	135	-13.05	
*	928.0000	2.64	QP	33.30	35.94	46.00	100	220	-10.06	

Limit:

Frequency Range (MHz)	Limit (dBμV/m)	
	Peak	Average
902 – 928	114	94
2400 – 2483.5	74	54
5725 – 5875	74	54

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



Registration number: W6M21901-18736-C-1

FCC ID: O3I-A29WG014

IC: 10365A-A29WG014

3.8 Power Line Conducted Emission

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

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

Frequency	Level (dBμV)	
	quasi-peak	average
150 kHz	lower limit line	Lower limit line

- Note:**
1. The formula of measured value as: **Test Result = Reading + Correction Factor**
 2. The Correction Factor = Cable Loss + LISN Insertion Loss
 3. Detector function in the form : PK = Peak, QP = Qusai Peak, AV = Average
 4. All not in the table noted test results are more than 20 dB below the relevant limits.
 5. Up Line: QP Limit Line, Down Line: Ave Limit Line.
 6. This test is not required because 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-RE 045.



Registration number: W6M21901-18736-C-1
FCC ID: O3I-A29WG014
IC: 10365A-A29WG014

Appendix

A Photos

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

B Measurement diagrams

1. Spurious Emissions radiated



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

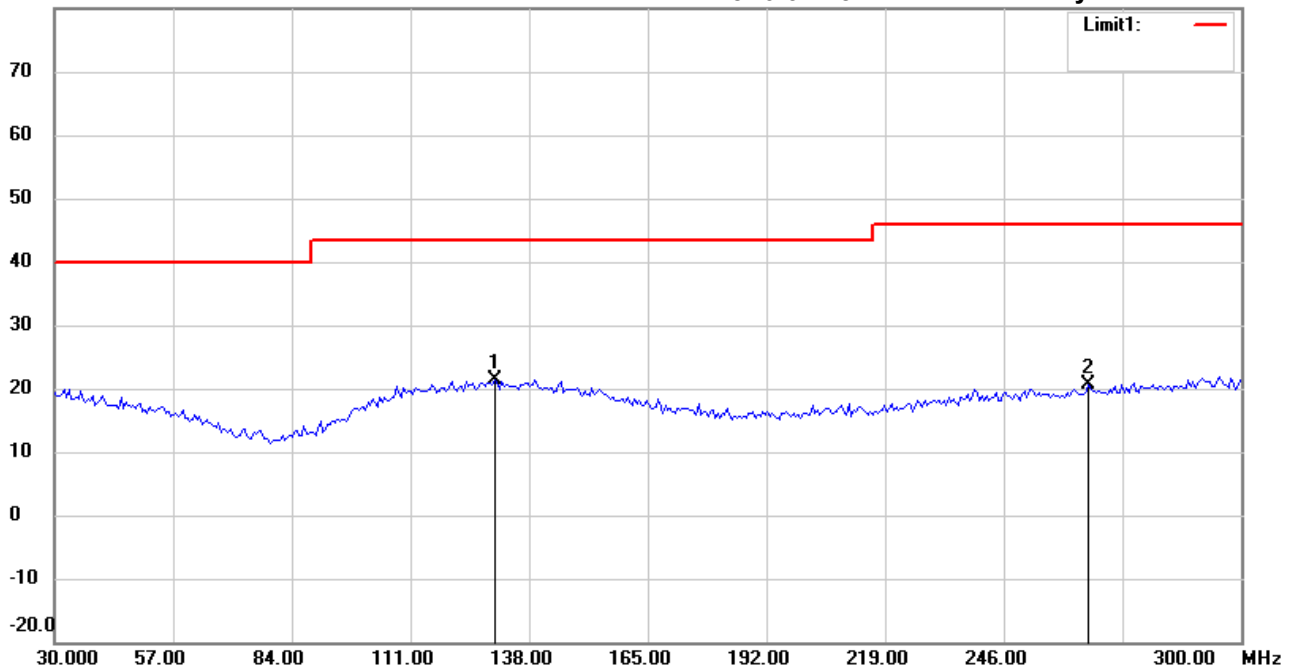
Date: 3/9/2019

Temperature: 20.3 °C

80.0 dBuV/m

Time: 6:32:18 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: Horizontal

Power : 6 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
*	130.1002	27.57	peak	-6.31	21.26	43.50	100	140	-22.24	
	265.3707	27.22	peak	-6.69	20.53	46.00	100	85	-25.47	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

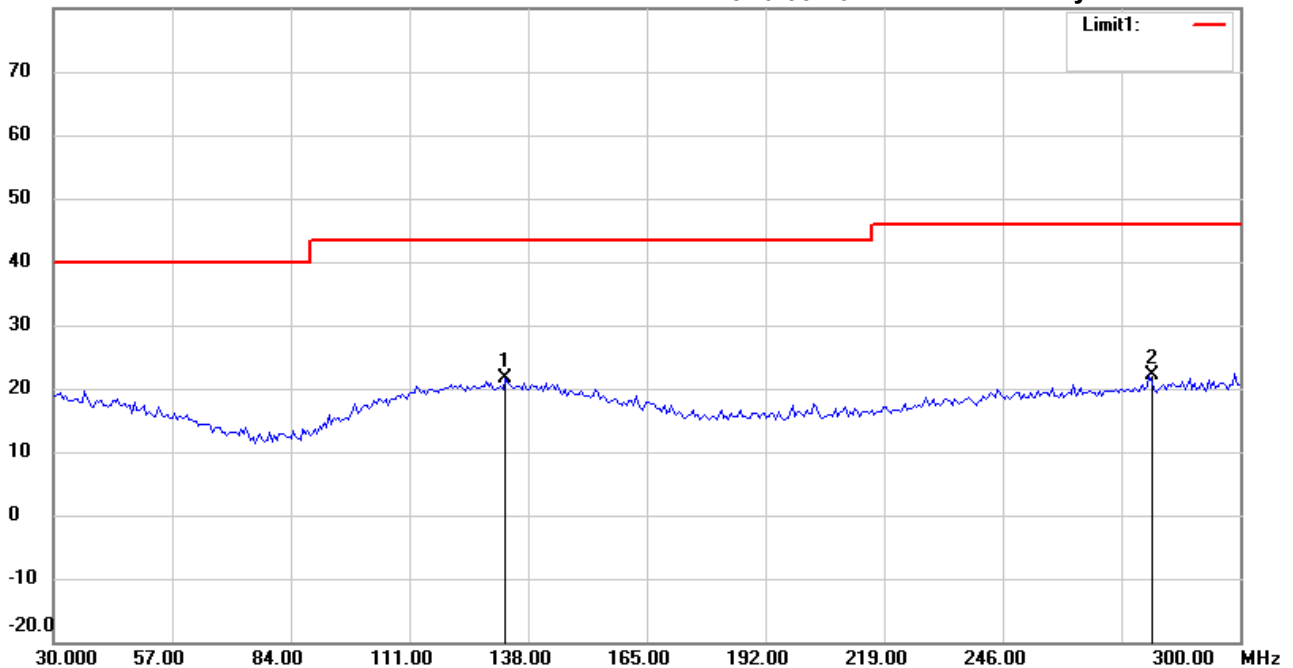
Date: 3/9/2019

Temperature:20.3 °C

80.0 dBuV/m

Time: 6:33:29 AM

Humidity:69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Vertical*

Power : 6 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
*	132.8056	27.94	peak	-6.35	21.59	43.50	100	275	-21.91	
	279.4390	28.08	peak	-6.07	22.01	46.00	100	155	-23.99	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 2

Data : #1

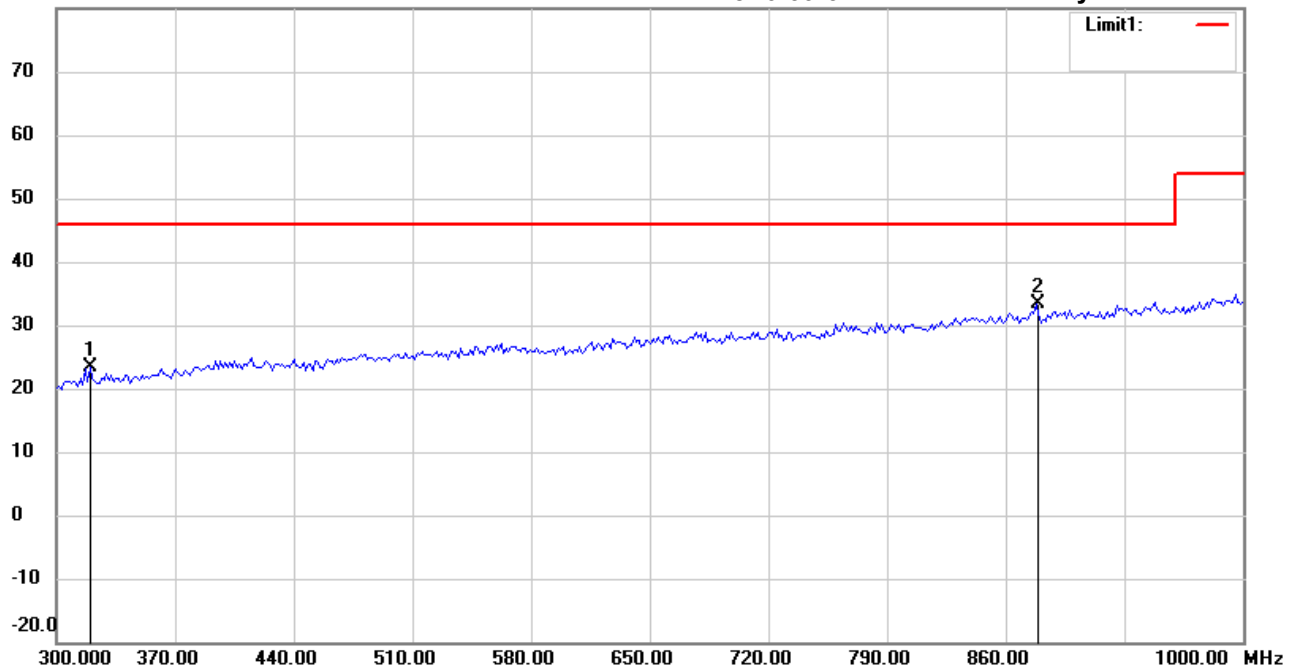
Date: 3/9/2019

Temperature: 20.3 °C

80.0 dBuV/m

Time: 6:39:32 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	319.6393	28.41	peak	-5.15	23.26	46.00	100	125	-22.74	
*	877.9560	28.96	peak	4.44	33.40	46.00	100	360	-12.60	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 2

Data : #2

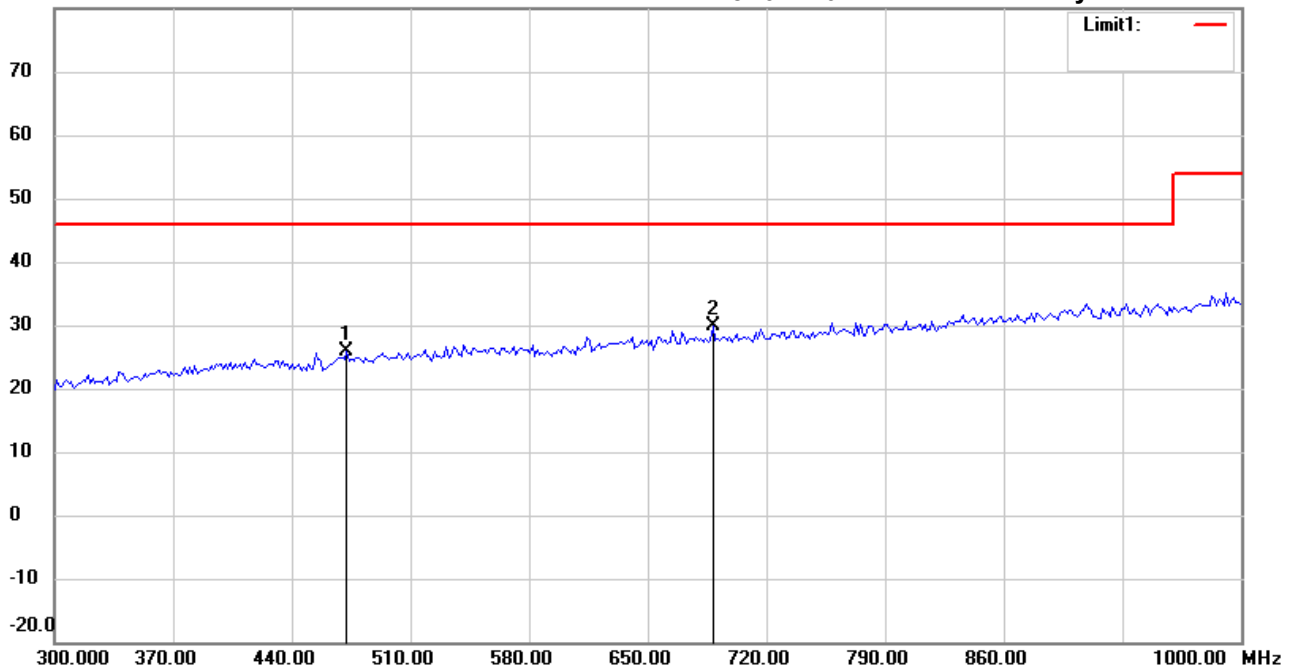
Date: 3/9/2019

Temperature: 20.3 °C

80.0 dBuV/m

Time: 6:41:02 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: Vertical

Power : 6 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
	472.5451	28.62	peak	-2.64	25.98	46.00	100	330	-20.02	
*	688.5772	29.09	peak	0.74	29.83	46.00	100	90	-16.17	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File :3

Data :#1

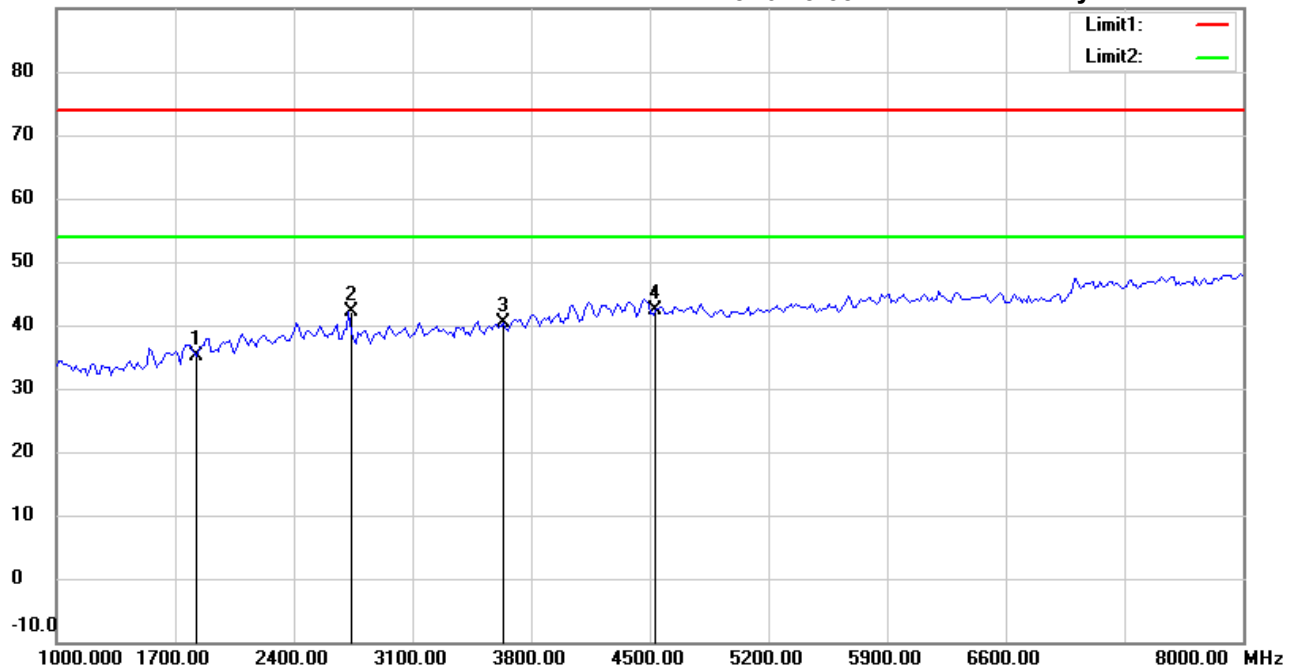
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 6:48:58 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	1816.840	41.65	peak	-6.44	35.21	74.00	150	175	-38.79	
	2725.451	45.95	peak	-3.84	42.11	74.00	150	240	-31.89	
	3633.680	41.47	peak	-1.19	40.28	74.00	150	0	-33.72	
*	4524.100	41.53	peak	0.82	42.35	74.00	150	65	-31.65	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #3

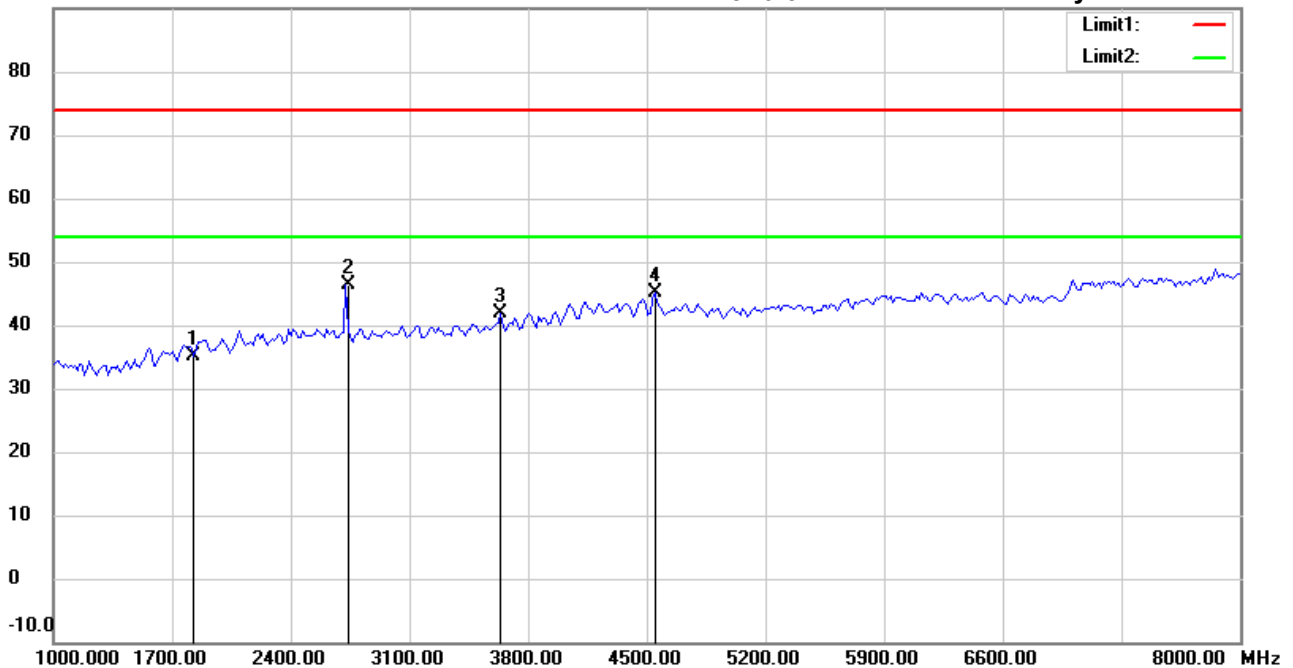
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 6:52:42 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: Vertical

Power : 6 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
	1816.840	41.59	peak	-6.44	35.15	74.00	150	315	-38.85	
*	2725.451	50.11	peak	-3.84	46.27	74.00	150	25	-27.73	
	3633.680	43.01	peak	-1.19	41.82	74.00	150	200	-32.18	
	4542.098	44.42	peak	0.77	45.19	74.00	150	165	-28.81	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #2

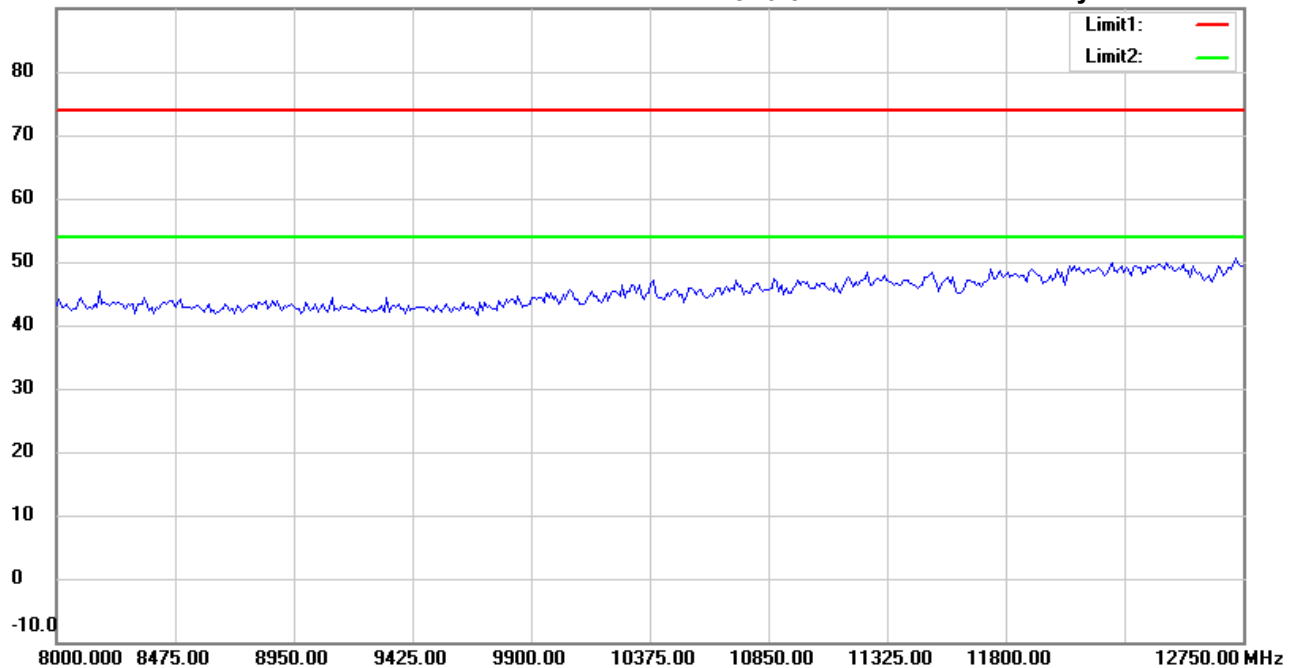
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 6:51:17 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 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, Neihsu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #4

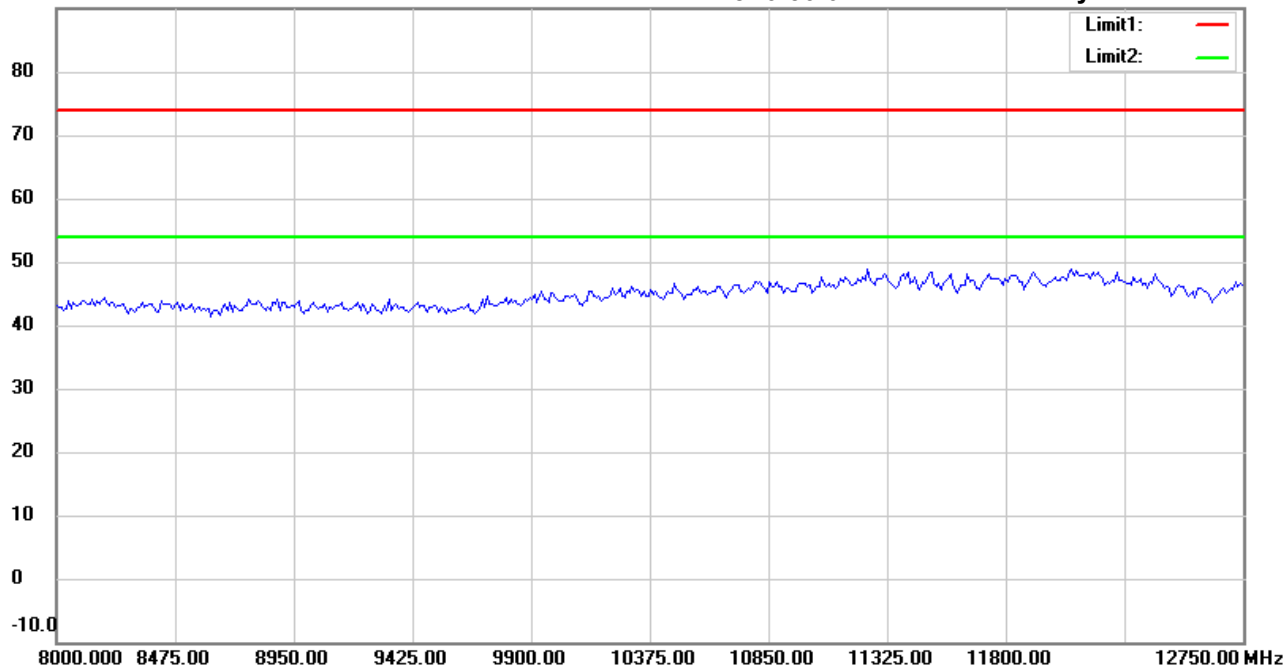
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 6:56:01 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: Vertical

Power : 6 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:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

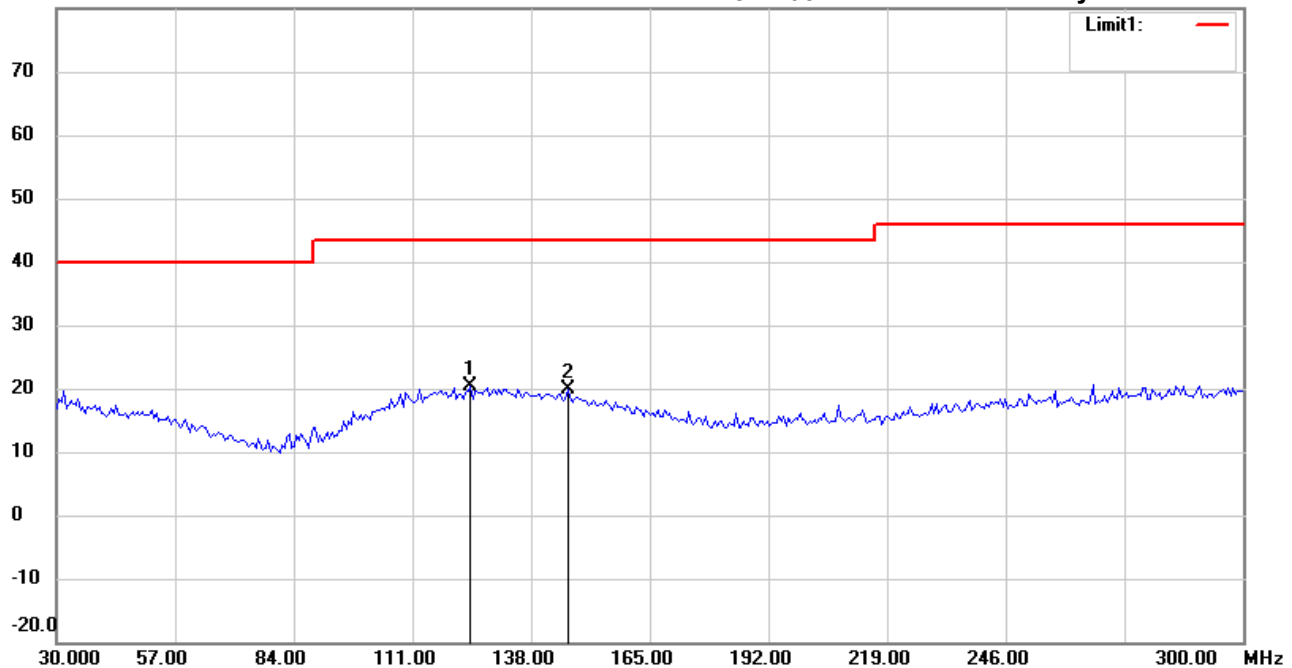
Date: 3/11/2019

Temperature:17.3 °C

80.0 dBuV/m

Time: 4:08:47 PM

Humidity:70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 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
*	124.1483	26.90	peak	-6.47	20.43	43.50	100	175	-23.07	
	146.3326	26.85	peak	-6.99	19.86	43.50	100	80	-23.64	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

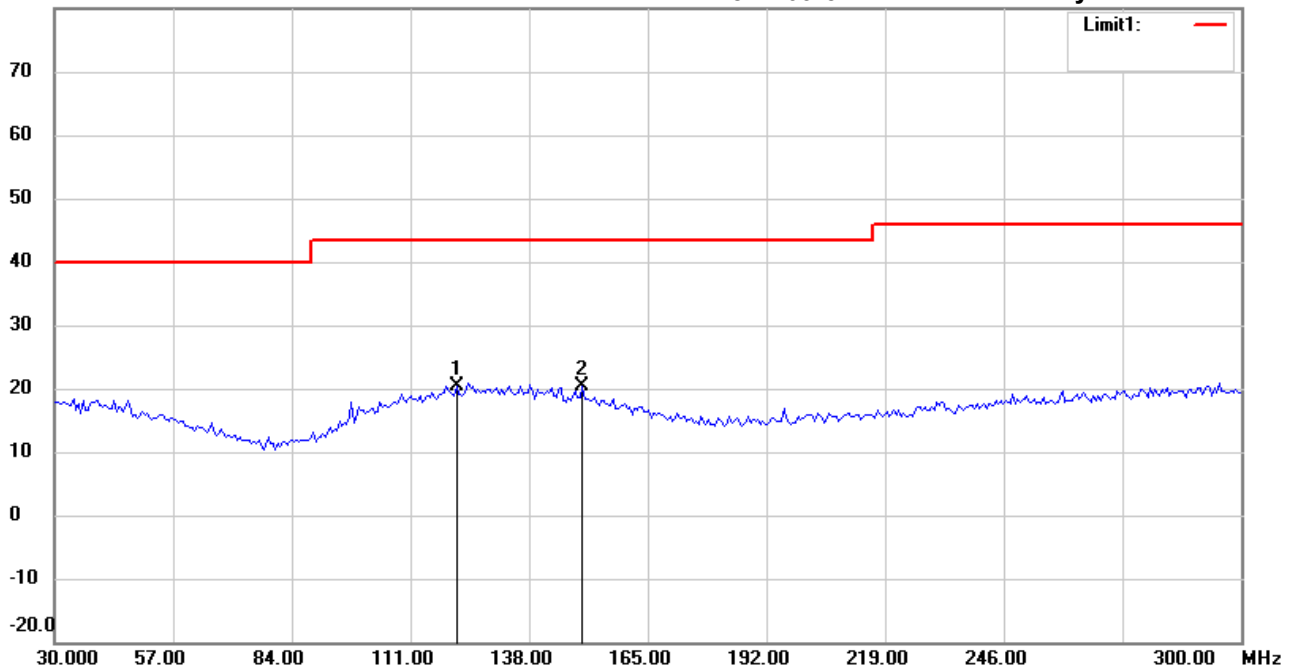
Date: 3/11/2019

Temperature:17.3 °C

80.0 dBuV/m

Time: 4:09:51 PM

Humidity:70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Vertical*

Power : 6 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
*	121.4428	26.95	peak	-6.55	20.40	43.50	100	267	-23.10	
	150.1202	27.71	peak	-7.32	20.39	43.50	100	135	-23.11	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File : 2

Data : #1

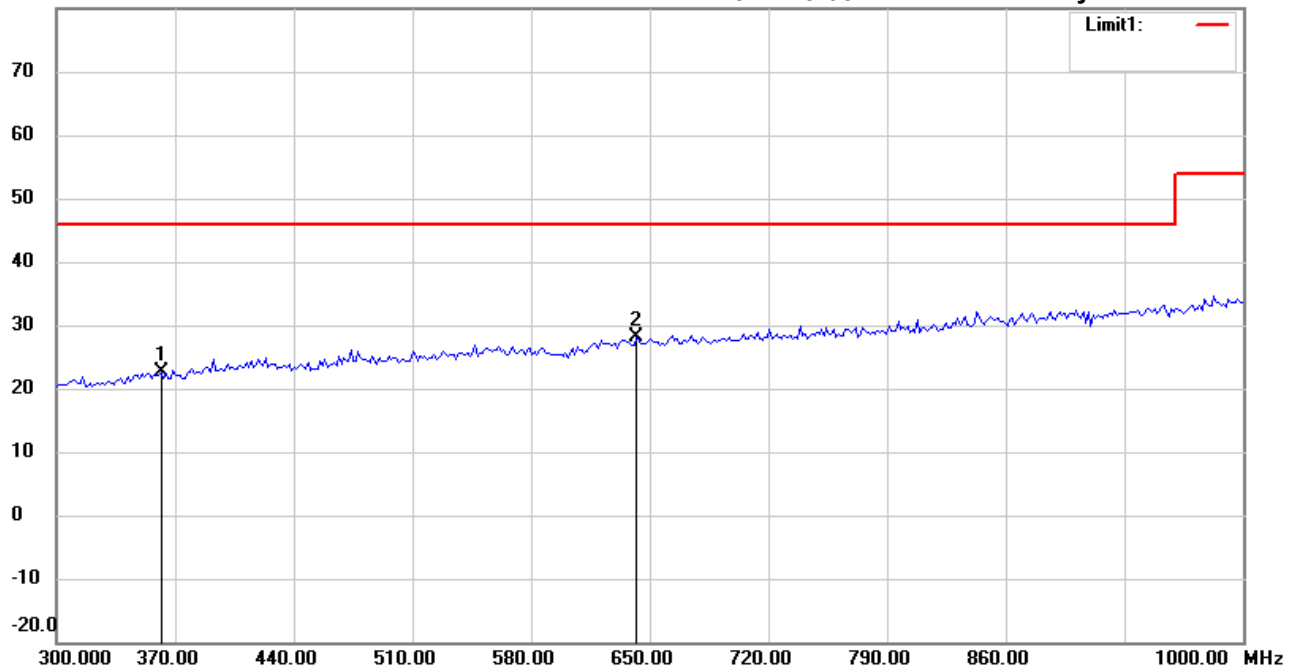
Date: 3/11/2019

Temperature: 17.3 °C

80.0 dBuV/m

Time: 4:15:08 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: Horizontal

Power : 6 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
	361.7233	26.81	peak	-4.23	22.58	46.00	100	150	-23.42	
*	642.2844	27.93	peak	0.13	28.06	46.00	100	240	-17.94	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File : 2

Data : #2

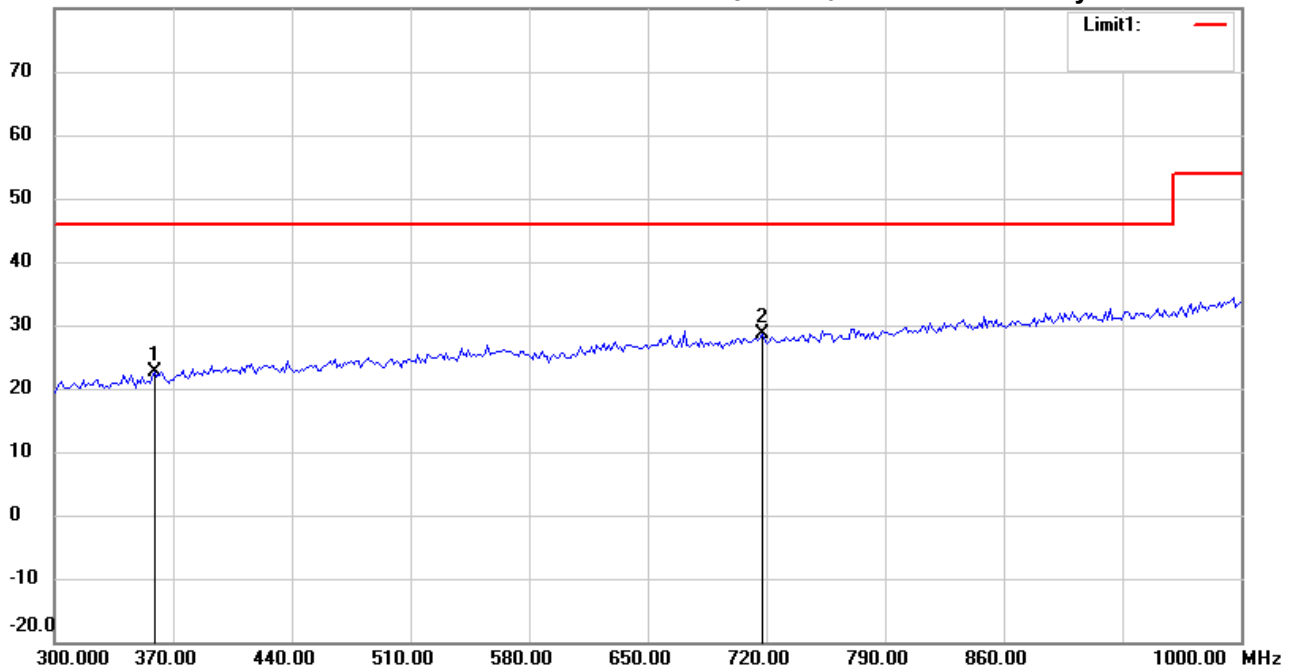
Date: 3/11/2019

Temperature: 17.3 °C

80.0 dBuV/m

Time: 4:17:02 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Vertical*

Power : 6 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
	358.9176	26.91	peak	-4.31	22.60	46.00	100	115	-23.40	
*	718.0361	27.50	peak	1.13	28.63	46.00	100	10	-17.37	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

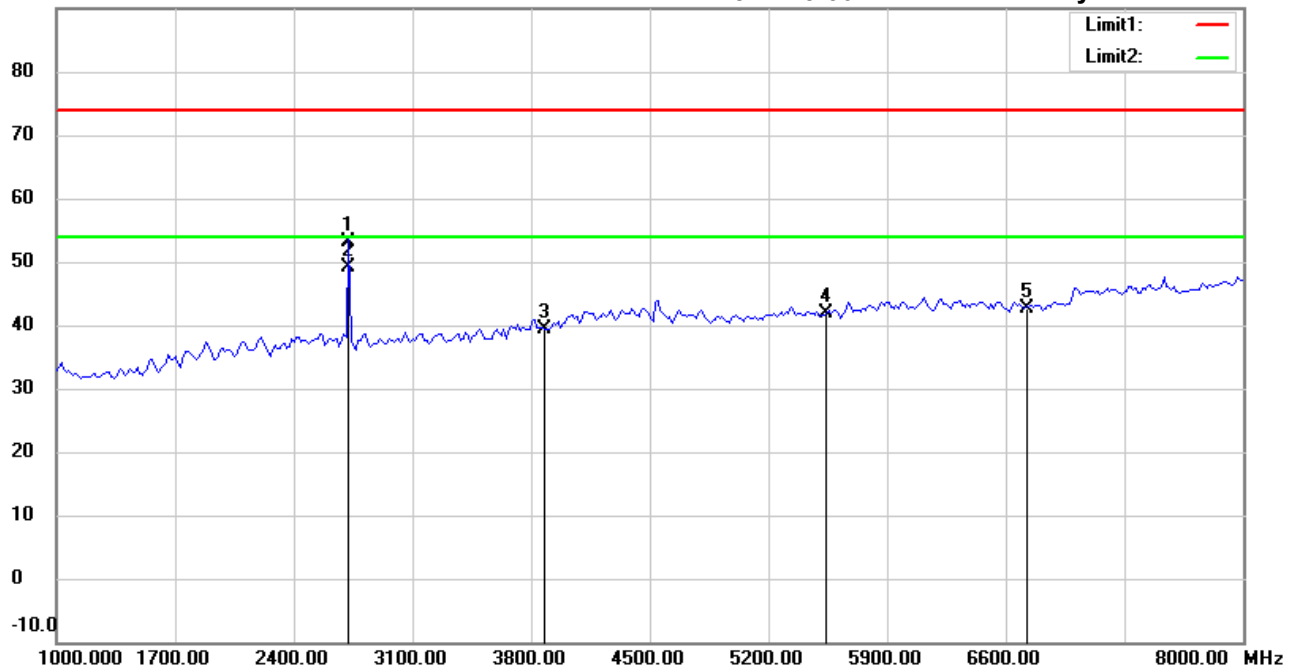
Date: 3/11/2019

Temperature: 17.3 °C

90.0 dBuV/m

Time: 4:25:30 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	2725.176	56.98	peak	-3.84	53.14	74.00	150	59	-20.86	
*	2725.176	52.90	AVG	-3.84	49.06	54.00	150	59	-4.94	
	3875.751	39.82	peak	-0.37	39.45	74.00	150	80	-34.55	
	5545.090	39.54	peak	2.33	41.87	74.00	150	160	-32.13	
	6709.419	38.09	peak	4.55	42.64	74.00	150	225	-31.36	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

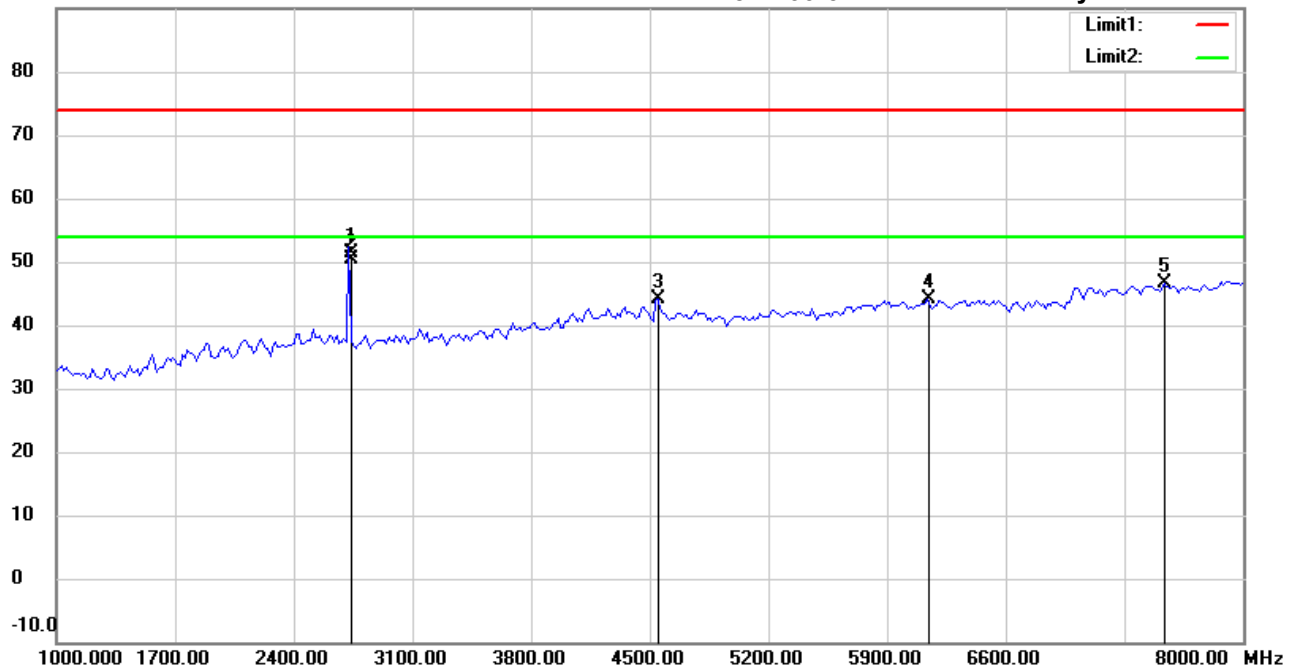
Date: 3/11/2019

Temperature: 17.3 °C

90.0 dBuV/m

Time: 4:33:51 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: Vertical

Power : 6 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
	2725.451	55.13	peak	-3.84	51.29	74.00	150	120	-22.71	
*	2725.451	54.18	AVG	-3.84	50.34	54.00	150	120	-3.66	
	4549.098	43.41	peak	0.75	44.16	74.00	150	90	-29.84	
	6134.269	40.22	peak	3.84	44.06	74.00	150	35	-29.94	
	7537.074	40.74	peak	5.96	46.70	74.00	150	120	-27.30	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

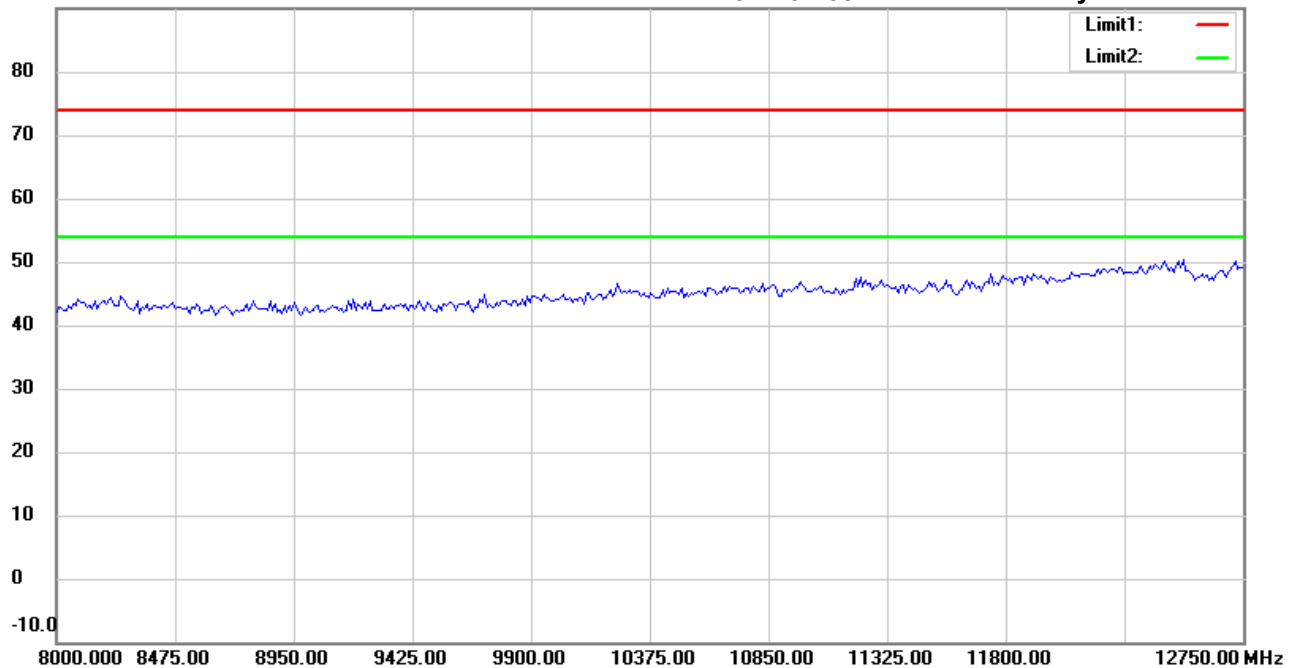
Date: 3/11/2019

Temperature:17.3 °C

90.0 dBuV/m

Time: 4:31:58 PM

Humidity:70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: Horizontal

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

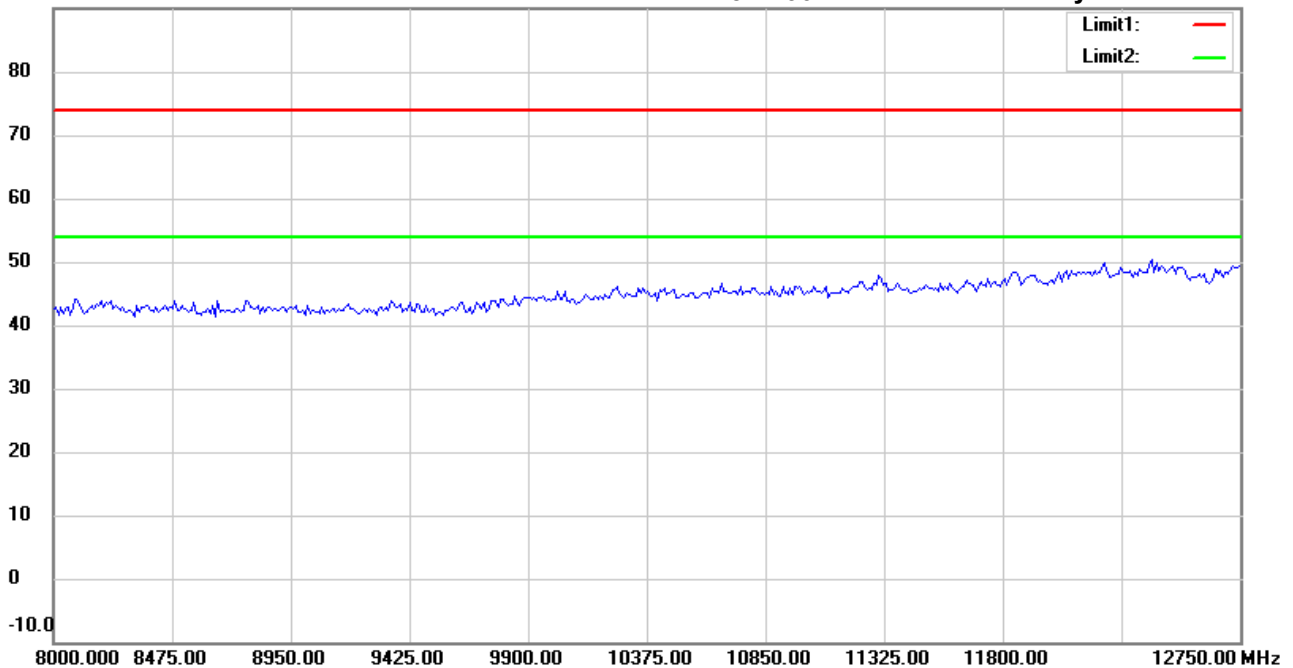
Date: 3/11/2019

Temperature: 17.3 °C

90.0 dBuV/m

Time: 4:36:14 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: Vertical

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :1

Data :#1

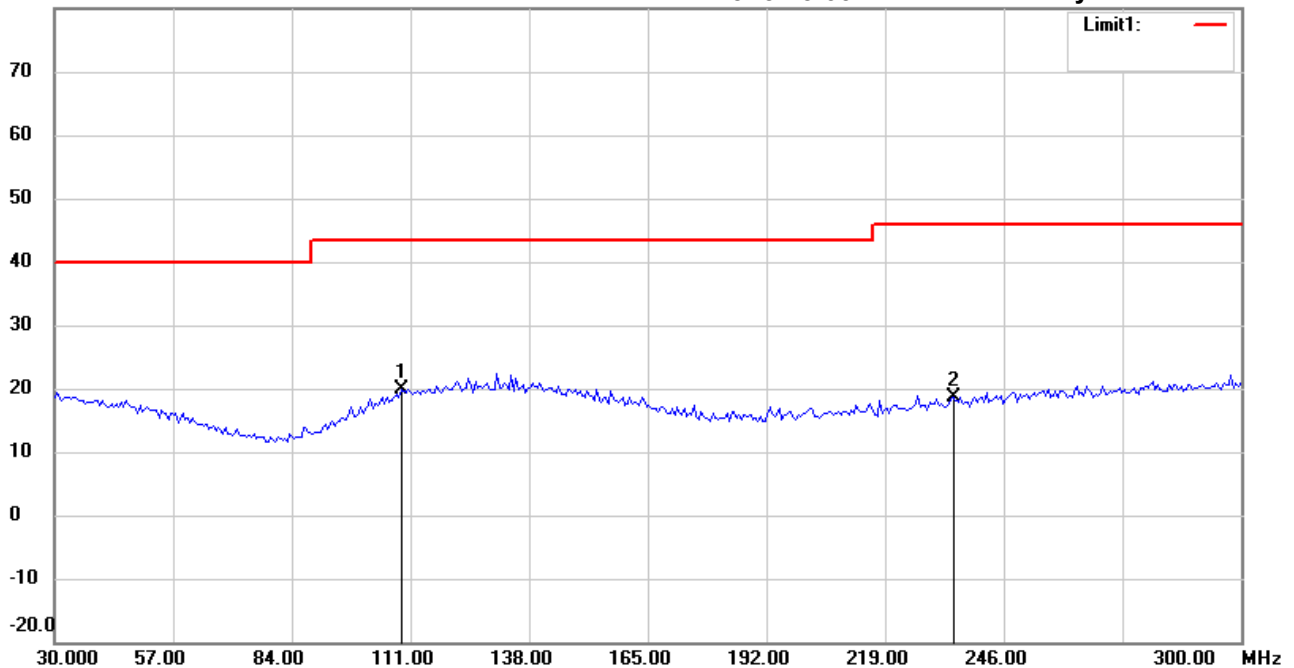
Date: 3/14/2019

Temperature: 22.3 °C

80.0 dBuV/m

Time: 8:48:35 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 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
*	108.9980	27.41	peak	-7.65	19.76	43.50	100	122	-23.74	
	234.5291	26.89	peak	-8.18	18.71	46.00	100	138	-27.29	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :1

Data :#2

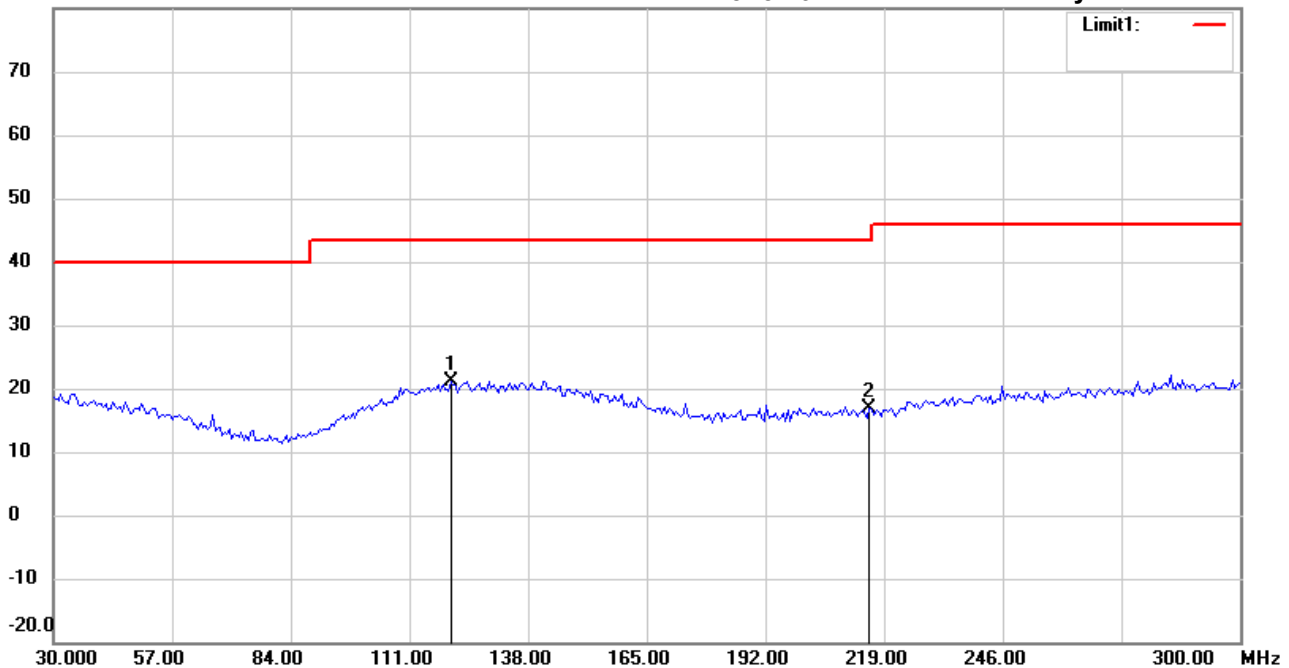
Date: 3/14/2019

Temperature: 22.3 °C

80.0 dBuV/m

Time: 8:49:47 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: Vertical

Power : 6 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
*	120.3607	27.61	peak	-6.58	21.03	43.50	100	80	-22.47	
	215.5912	26.67	peak	-9.80	16.87	43.50	100	170	-26.63	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File : 2

Data : #1

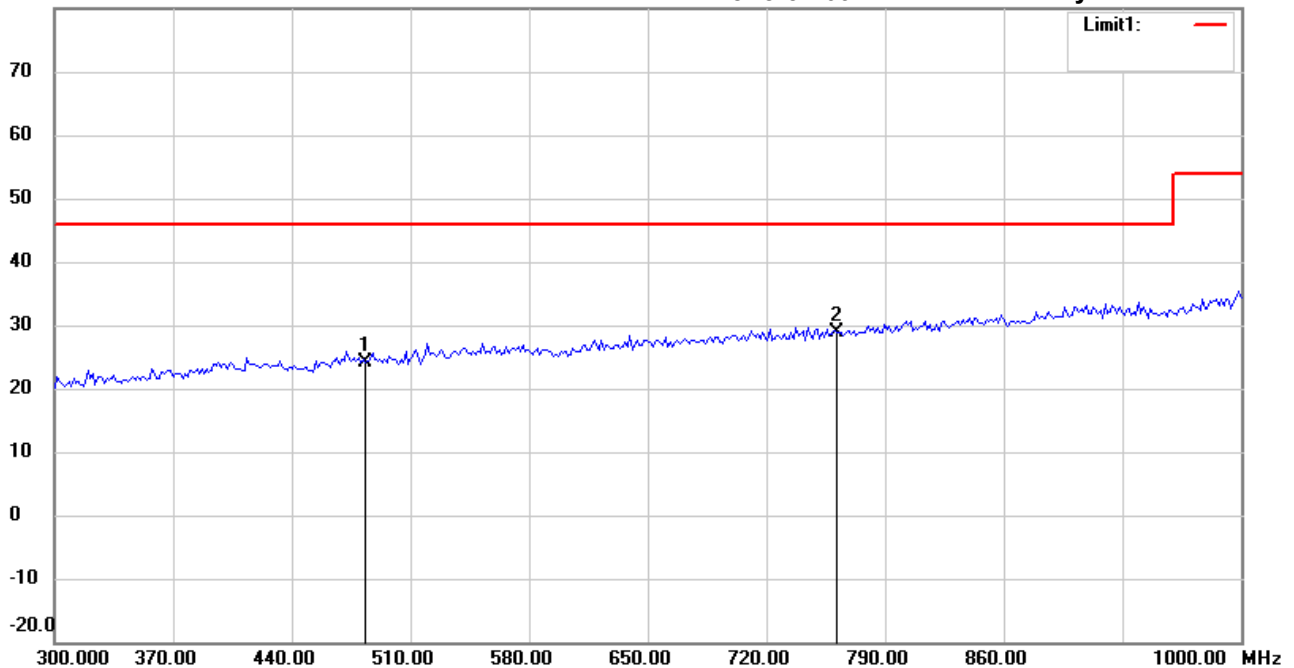
Date: 3/14/2019

Temperature: 22.3 °C

80.0 dBuV/m

Time: 8:51:09 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	483.7675	26.56	peak	-2.45	24.11	46.00	100	80	-21.89	
*	761.5230	26.94	peak	1.84	28.78	46.00	100	110	-17.22	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :2

Data :#2

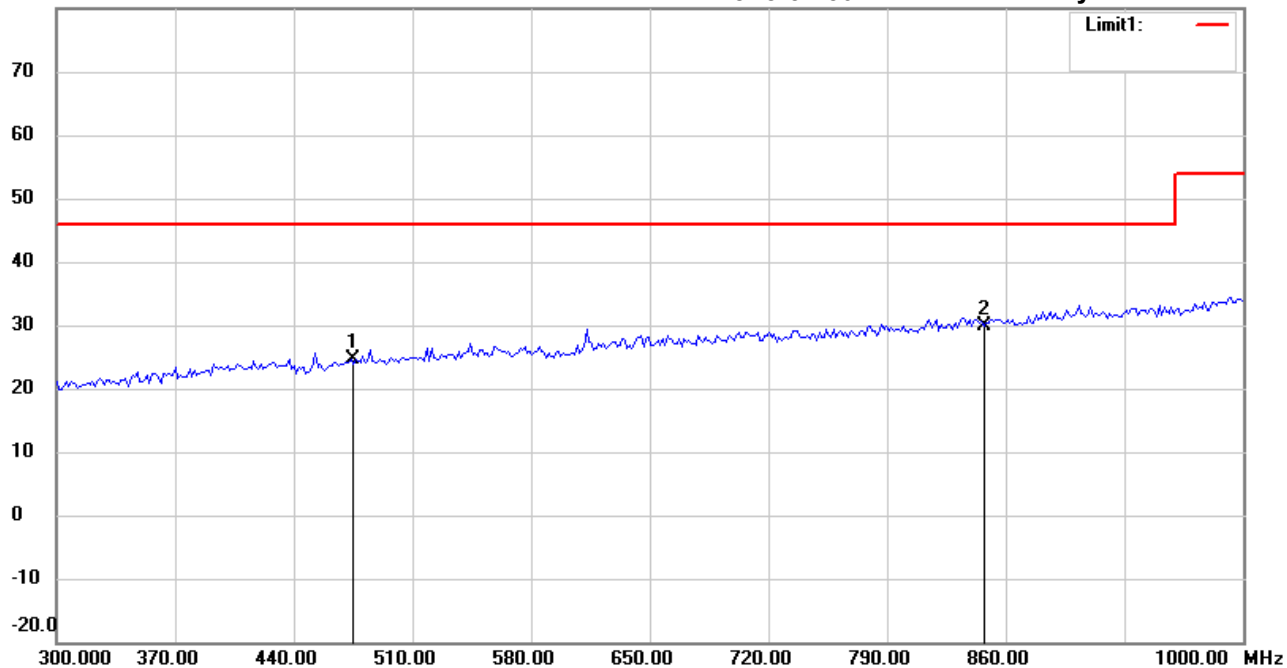
Date: 3/14/2019

Temperature:22.3 °C

80.0 dBuV/m

Time: 8:52:50 PM

Humidity:68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: Vertical

Power : 6 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
	473.9480	27.20	peak	-2.61	24.59	46.00	100	125	-21.41	
*	847.0942	26.18	peak	3.81	29.99	46.00	100	230	-16.01	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File : 3

Data : #1

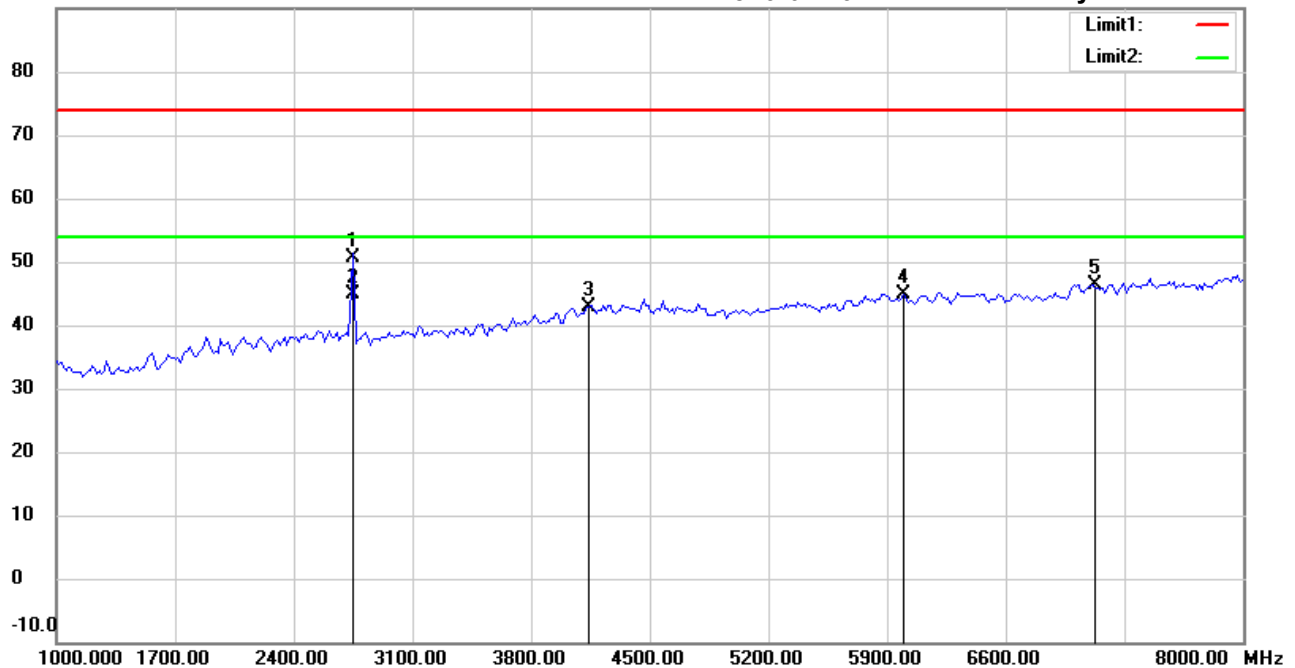
Date: 3/14/2019

Temperature: 22.3 °C

90.0 dBuV/m

Time: 9:07:29 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	2748.051	54.52	peak	-3.84	50.68	74.00	150	250	-23.32	
*	2748.051	48.73	AVG	-3.84	44.89	54.00	150	250	-9.11	
	4128.257	42.33	peak	0.55	42.88	74.00	150	110	-31.12	
	5993.988	41.08	peak	3.79	44.87	74.00	150	135	-29.13	
	7116.233	40.97	peak	5.29	46.26	74.00	150	290	-27.74	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File : 3

Data : #3

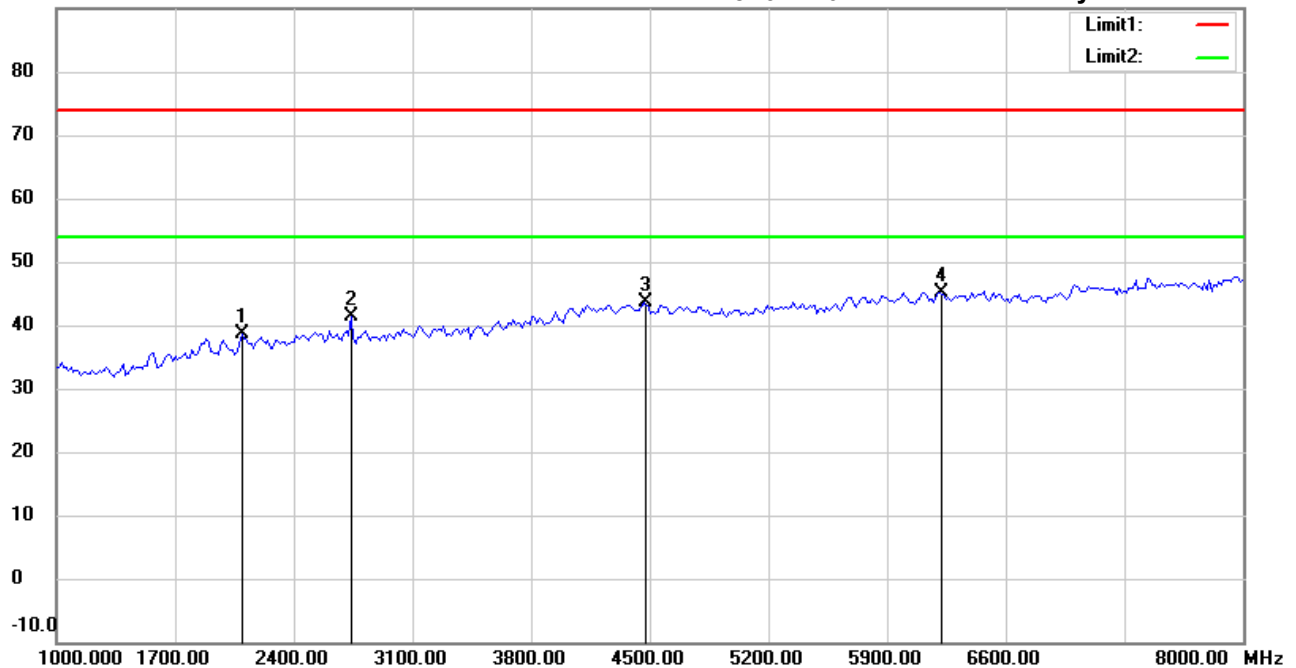
Date: 3/14/2019

Temperature: 22.3 °C

90.0 dBuV/m

Time: 9:11:07 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: Vertical

Power : 6 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
	2094.188	44.12	peak	-5.40	38.72	74.00	150	220	-35.28	
	2739.479	45.12	peak	-3.84	41.28	74.00	150	165	-32.72	
	4464.930	42.75	peak	0.79	43.54	74.00	150	189	-30.46	
*	6204.409	41.33	peak	3.91	45.24	74.00	150	305	-28.76	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File : 3

Data : #2

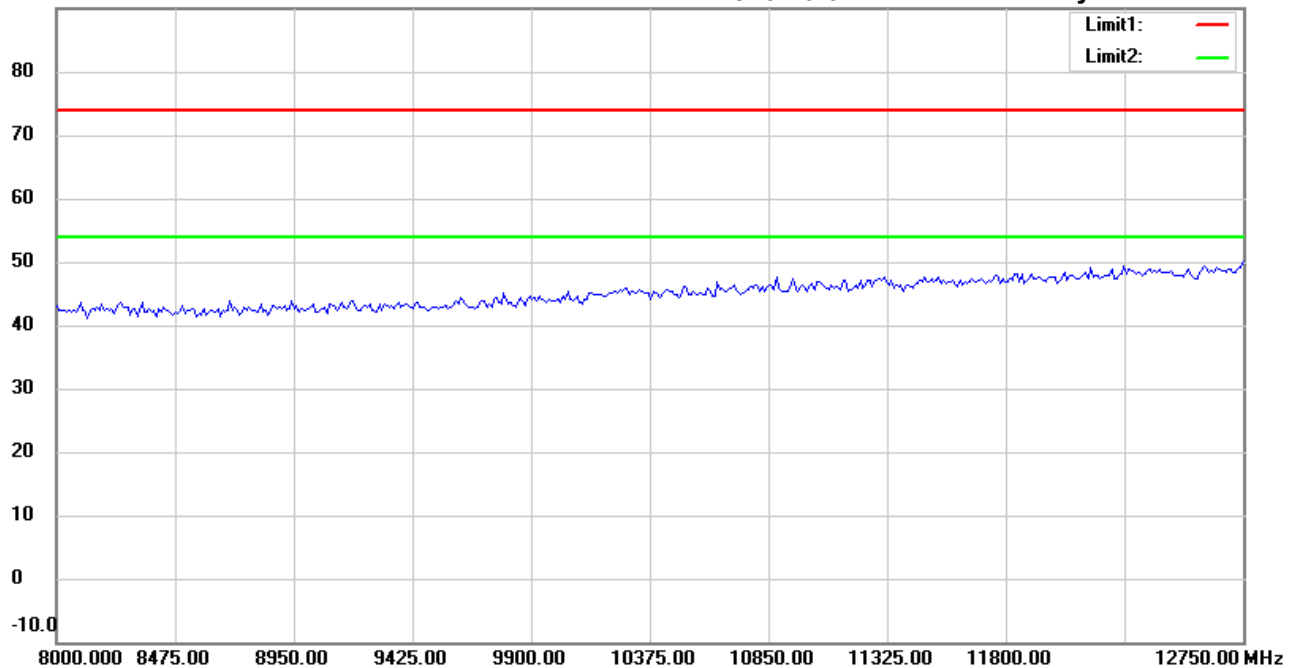
Date: 3/14/2019

Temperature: 22.3 °C

90.0 dBuV/m

Time: 9:13:51 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File : 3

Data : #4

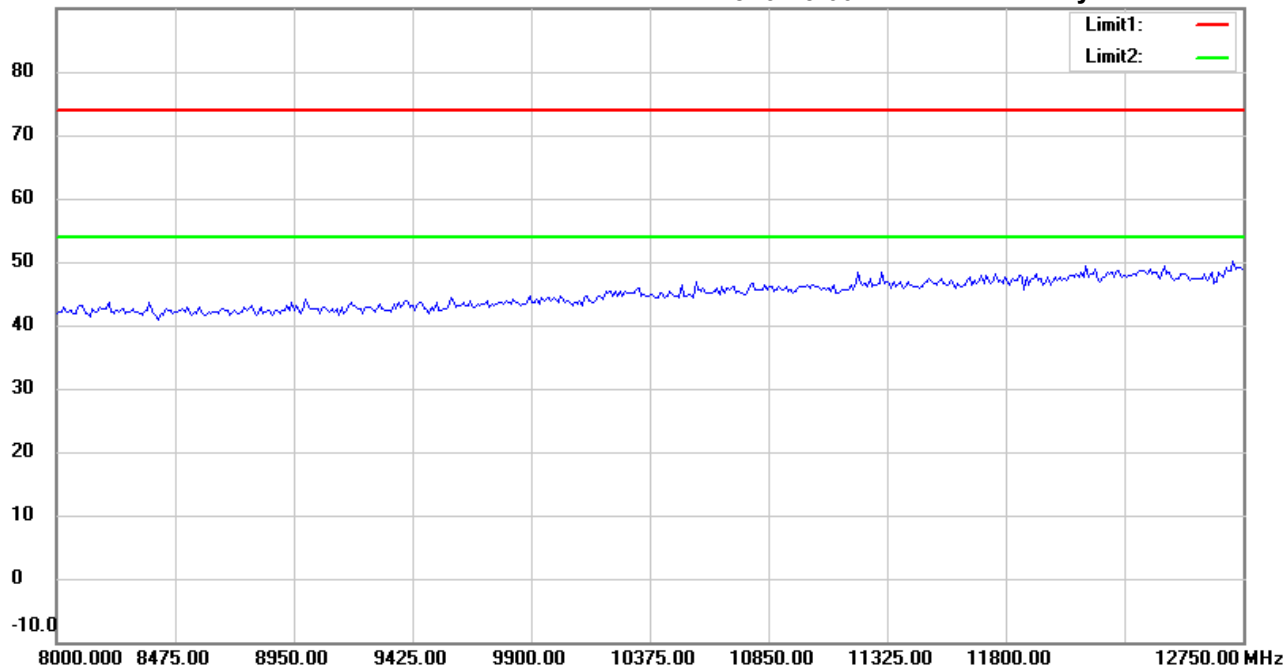
Date: 3/14/2019

Temperature: 22.3 °C

90.0 dBuV/m

Time: 9:15:00 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : TX 916MHz

Note :

Polarization: Vertical

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File :1

Data :#1

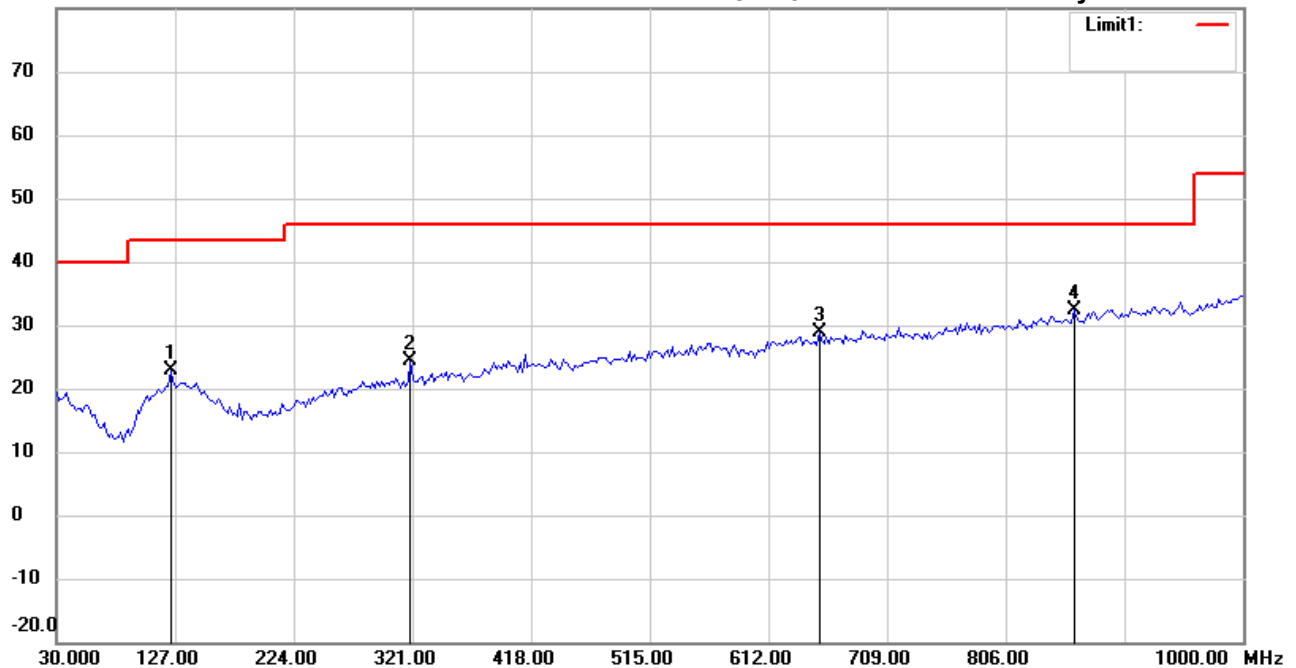
Date: 3/9/2019

Temperature: 20.3 °C

80.0 dBuV/m

Time: 7:34:17 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	123.3066	29.46	peak	-6.50	22.96	43.50	100	275	-20.54	
	319.6393	29.54	peak	-5.15	24.39	46.00	100	15	-21.61	
	653.9880	28.39	peak	0.39	28.78	46.00	100	300	-17.22	
*	861.9840	28.21	peak	4.13	32.34	46.00	100	90	-13.66	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File :1

Data :#2

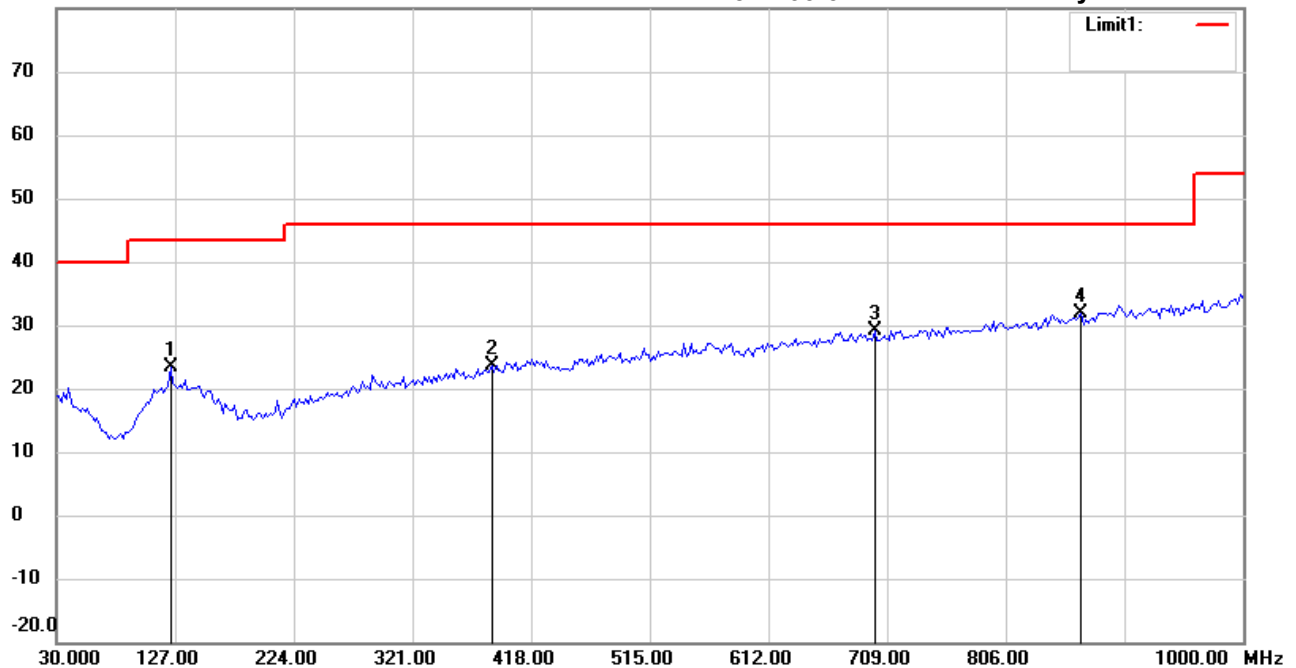
Date: 3/9/2019

Temperature: 20.3 °C

80.0 dBuV/m

Time: 7:35:51 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: Vertical

Power : 6 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
	123.3066	29.94	peak	-6.50	23.44	43.50	100	30	-20.06	
	385.7315	27.20	peak	-3.60	23.60	46.00	100	65	-22.40	
	698.6974	28.18	peak	0.84	29.02	46.00	100	110	-16.98	
*	867.8156	27.73	peak	4.24	31.97	46.00	100	245	-14.03	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihsu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #1

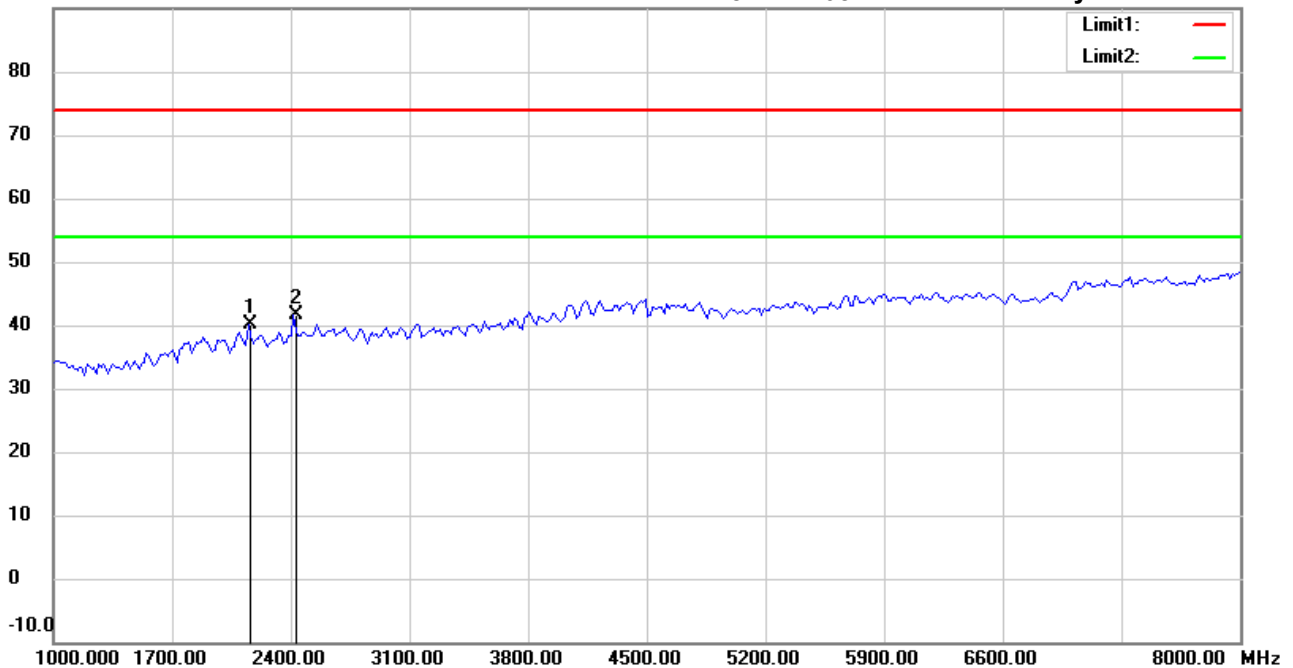
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 7:12:08 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	2150.301	45.31	peak	-5.19	40.12	74.00	150	300	-33.88	
*	2416.834	45.81	peak	-4.08	41.73	74.00	150	110	-32.27	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #3

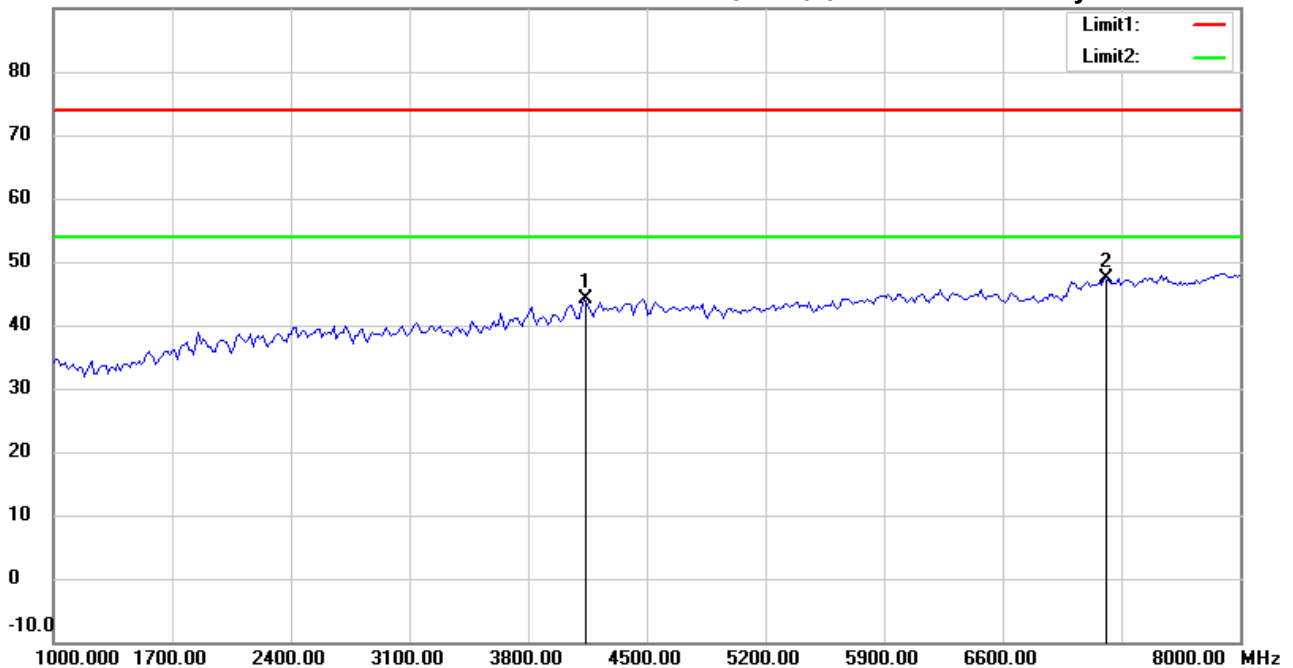
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 7:16:54 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: Vertical

Power : 6 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
	4128.257	43.46	peak	0.55	44.01	74.00	150	195	-29.99	
*	7200.401	42.06	peak	5.37	47.43	74.00	150	30	-26.57	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #2

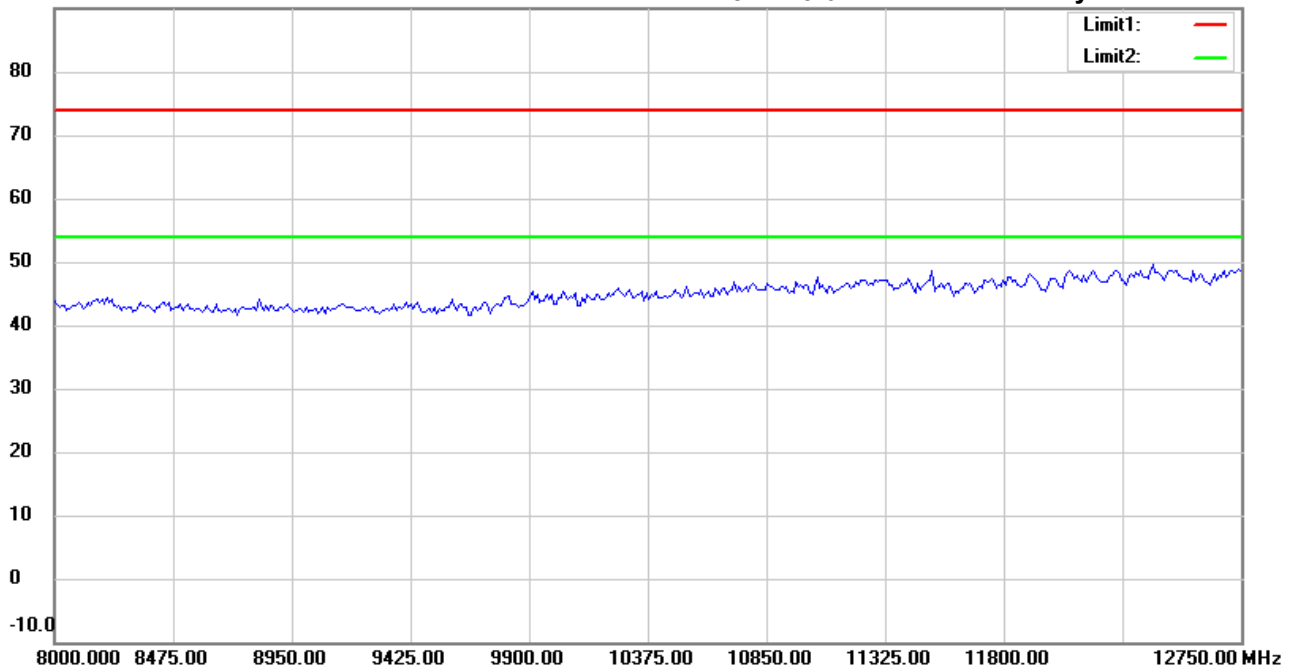
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 7:15:04 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Allen

File : 3

Data : #4

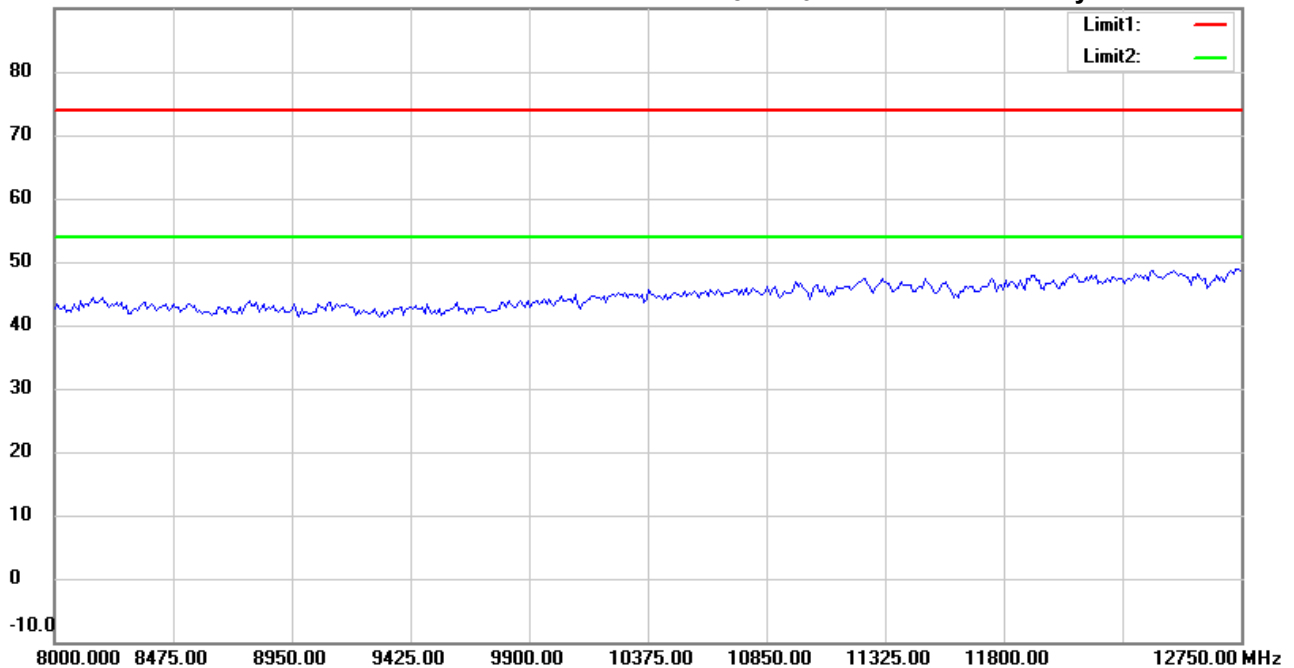
Date: 3/9/2019

Temperature: 20.3 °C

90.0 dBuV/m

Time: 7:19:27 AM

Humidity: 69.2 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: Vertical

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :1

Data :#1

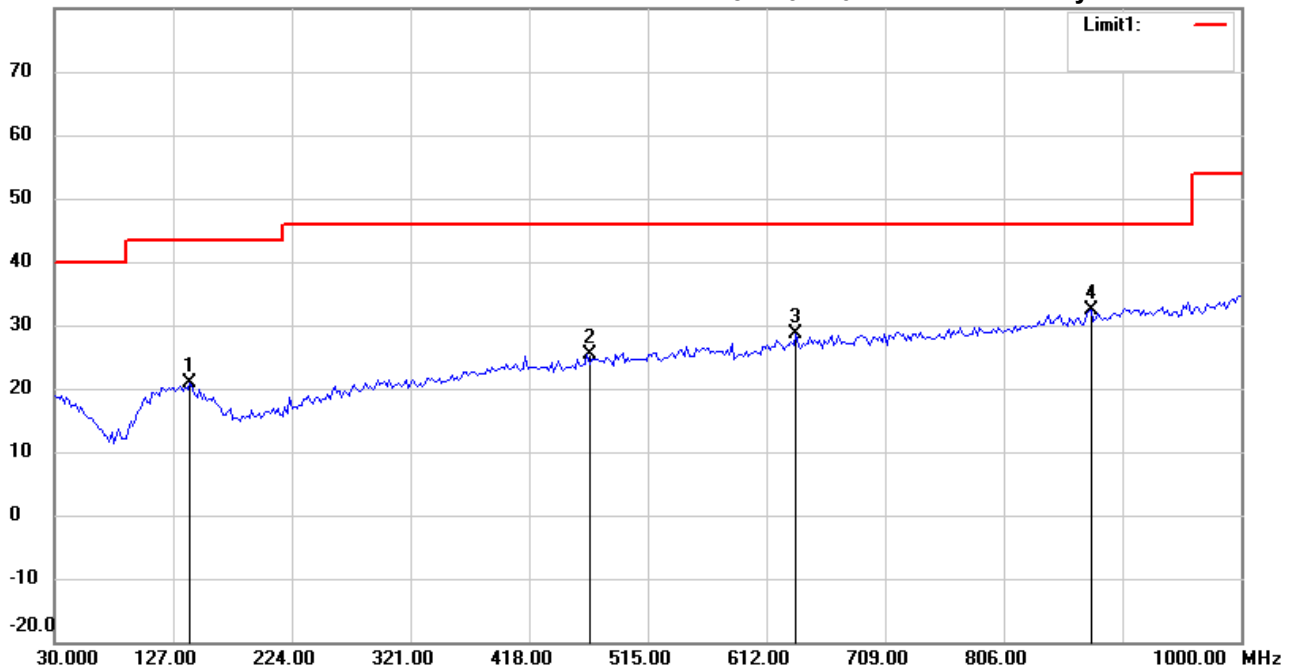
Date: 3/15/2019

Temperature: 18.9 °C

80.0 dBuV/m

Time: 7:31:16 PM

Humidity: 71.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	140.8015	27.28	peak	-6.52	20.76	43.50	100	40	-22.74	
	465.4310	28.10	peak	-2.78	25.32	46.00	100	245	-20.68	
	636.4930	28.65	peak	-0.03	28.62	46.00	100	160	-17.38	
*	877.5351	27.91	peak	4.44	32.35	46.00	100	10	-13.65	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :1

Data :#2

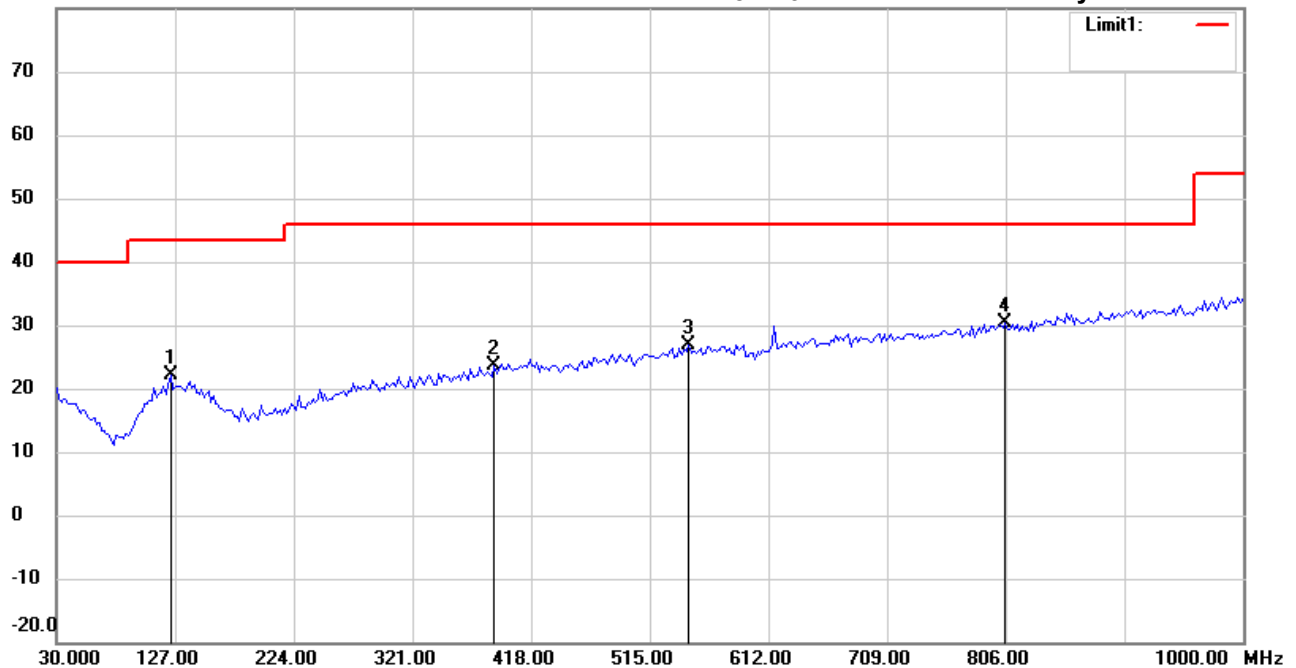
Date: 3/15/2019

Temperature: 18.9 °C

80.0 dBuV/m

Time: 7:32:47 PM

Humidity: 71.1 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: Vertical

Power : 6 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
	123.3066	28.53	peak	-6.50	22.03	43.50	100	30	-21.47	
	387.6754	27.10	peak	-3.54	23.56	46.00	100	80	-22.44	
	547.0741	28.01	peak	-1.21	26.80	46.00	100	115	-19.20	
*	805.6112	27.53	peak	2.74	30.27	46.00	100	210	-15.73	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #1

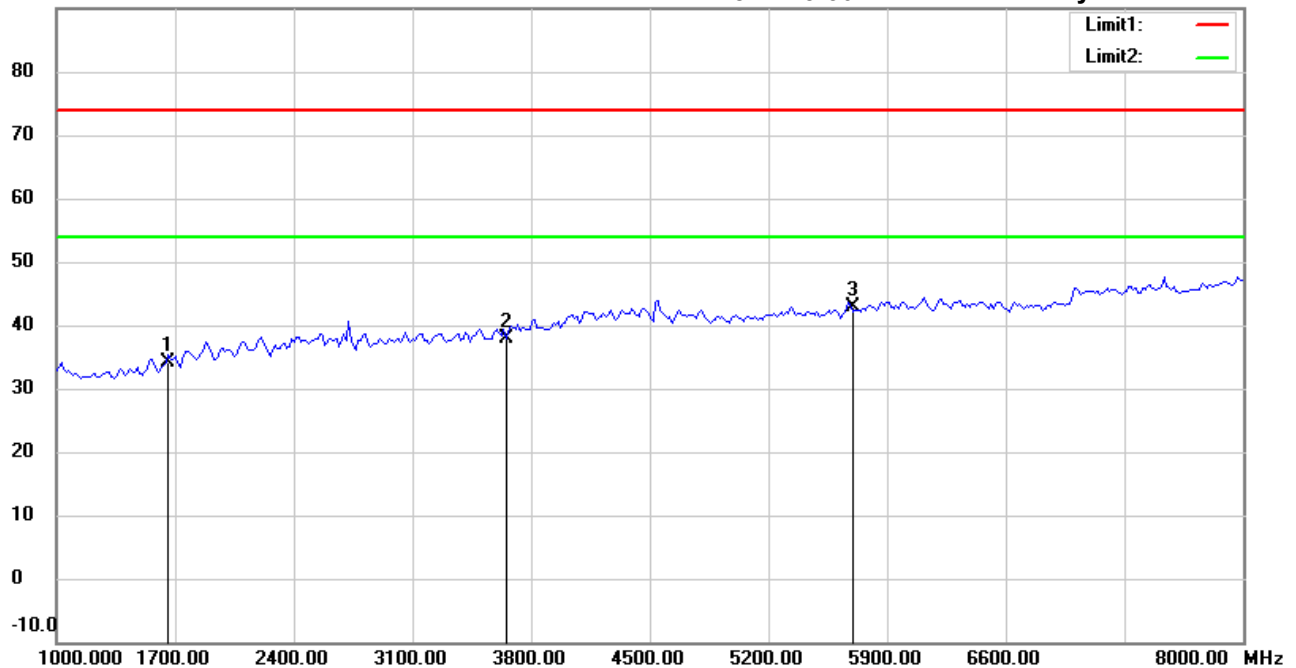
Date: 3/11/2019

Temperature: 17.3 °C

90.0 dBuV/m

Time: 4:25:30 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: **Horizontal**

Power : 6 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
	1645.291	41.88	peak	-7.74	34.14	74.00	150	15	-39.86	
	3651.302	39.03	peak	-1.15	37.88	74.00	150	205	-36.12	
*	5685.371	39.71	peak	3.29	43.00	74.00	150	90	-31.00	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#3

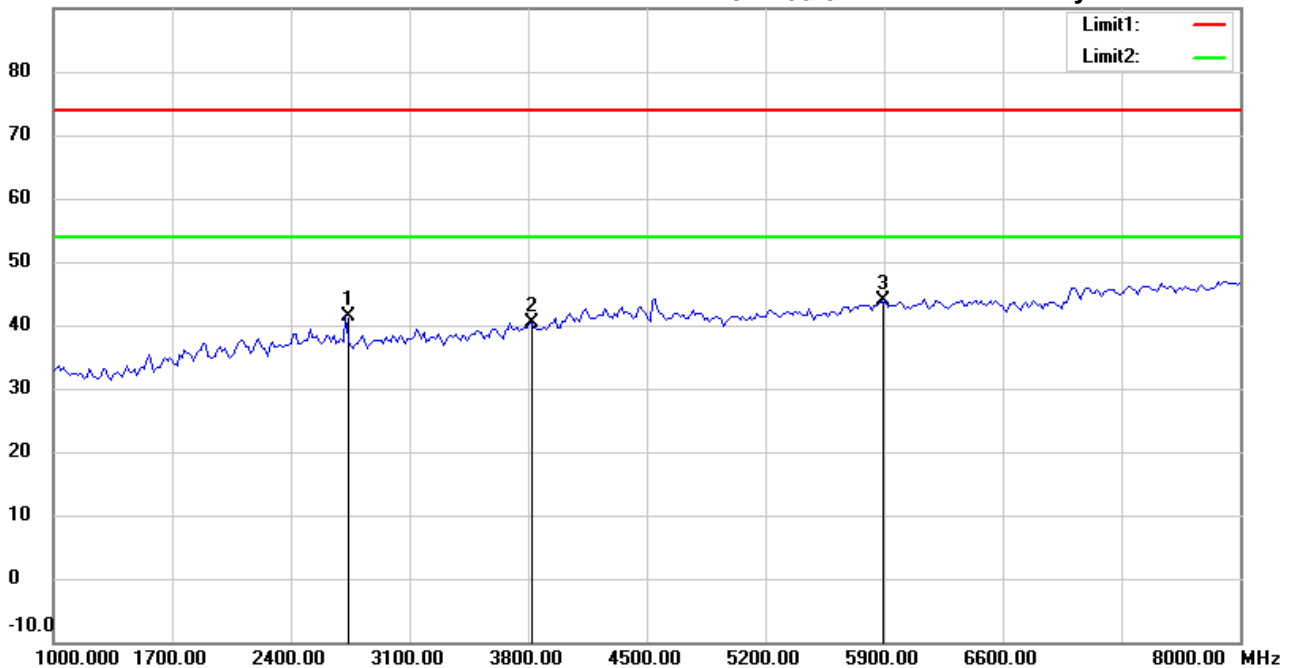
Date: 3/11/2019

Temperature: 17.3 °C

90.0 dBuV/m

Time: 4:33:51 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: Vertical

Power : 6 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
	2725.451	45.26	peak	-3.84	41.42	74.00	150	105	-32.58	
	3819.639	41.05	peak	-0.58	40.47	74.00	150	60	-33.53	
*	5881.764	40.29	peak	3.58	43.87	74.00	150	95	-30.13	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :3

Data :#2

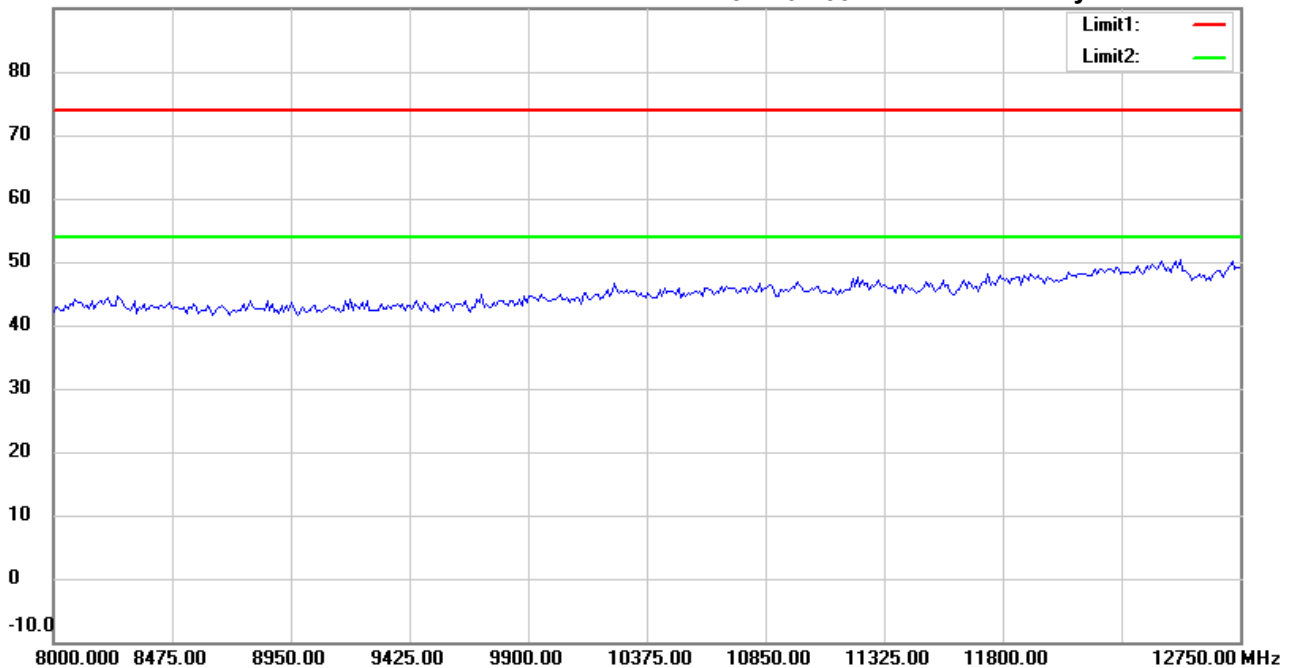
Date: 3/11/2019

Temperature:17.3 °C

90.0 dBuV/m

Time: 4:31:58 PM

Humidity:70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: Horizontal

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File : 3

Data : #4

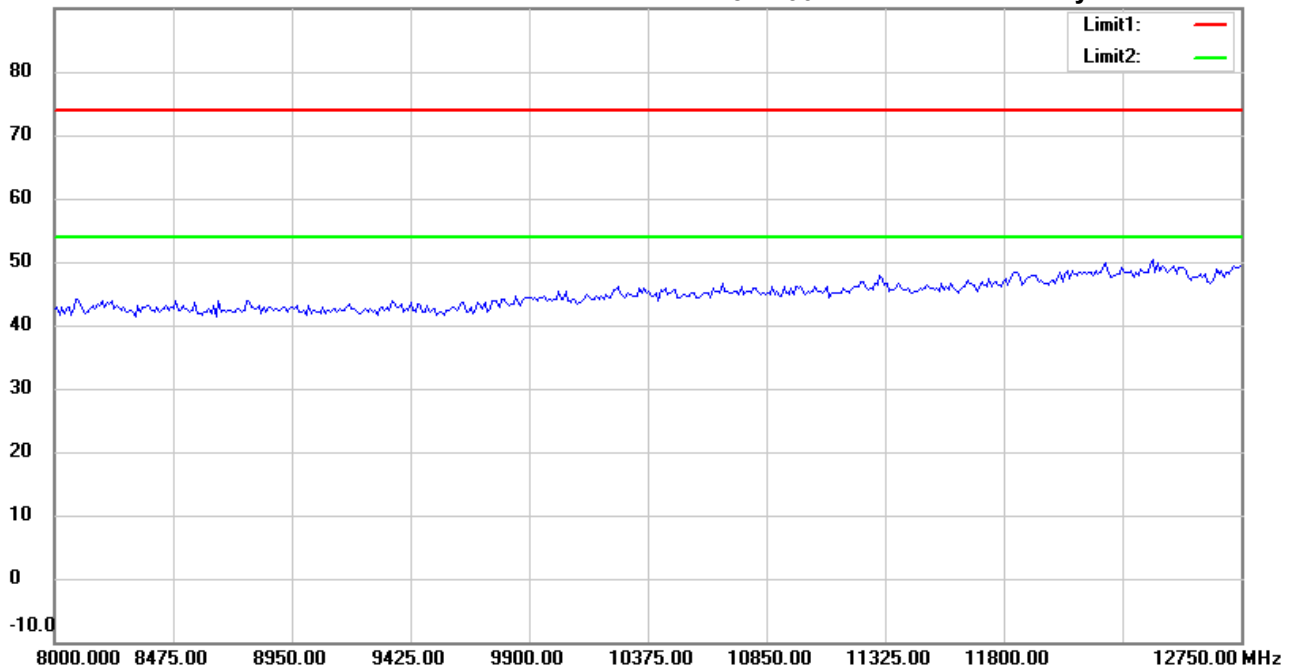
Date: 3/11/2019

Temperature: 17.3 °C

90.0 dBuV/m

Time: 4:36:14 PM

Humidity: 70.6 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: Vertical

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :1

Data :#1

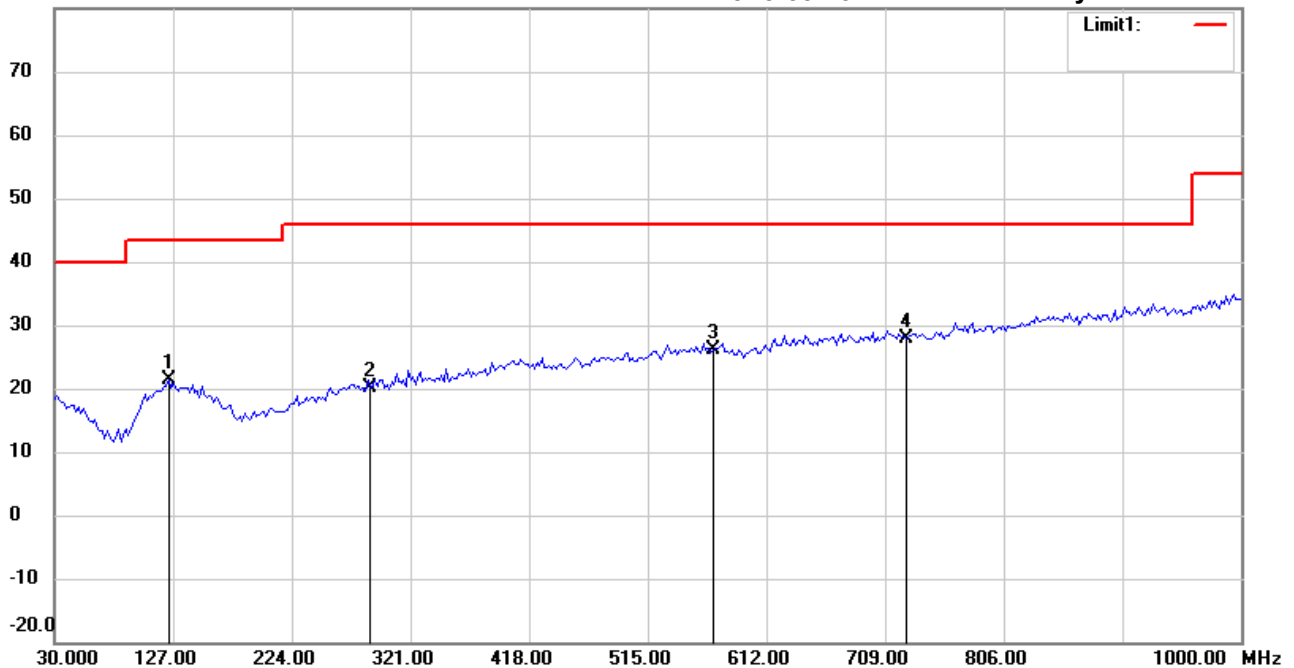
Date: 3/14/2019

Temperature: 22.3 °C

80.0 dBuV/m

Time: 8:58:23 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : RX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	123.3066	27.98	peak	-6.50	21.48	43.50	100	125	-22.02	
	288.5371	25.97	peak	-5.82	20.15	46.00	100	55	-25.85	
	568.4568	27.29	peak	-1.17	26.12	46.00	100	180	-19.88	
*	725.9118	26.73	peak	1.25	27.98	46.00	100	305	-18.02	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :1

Data :#2

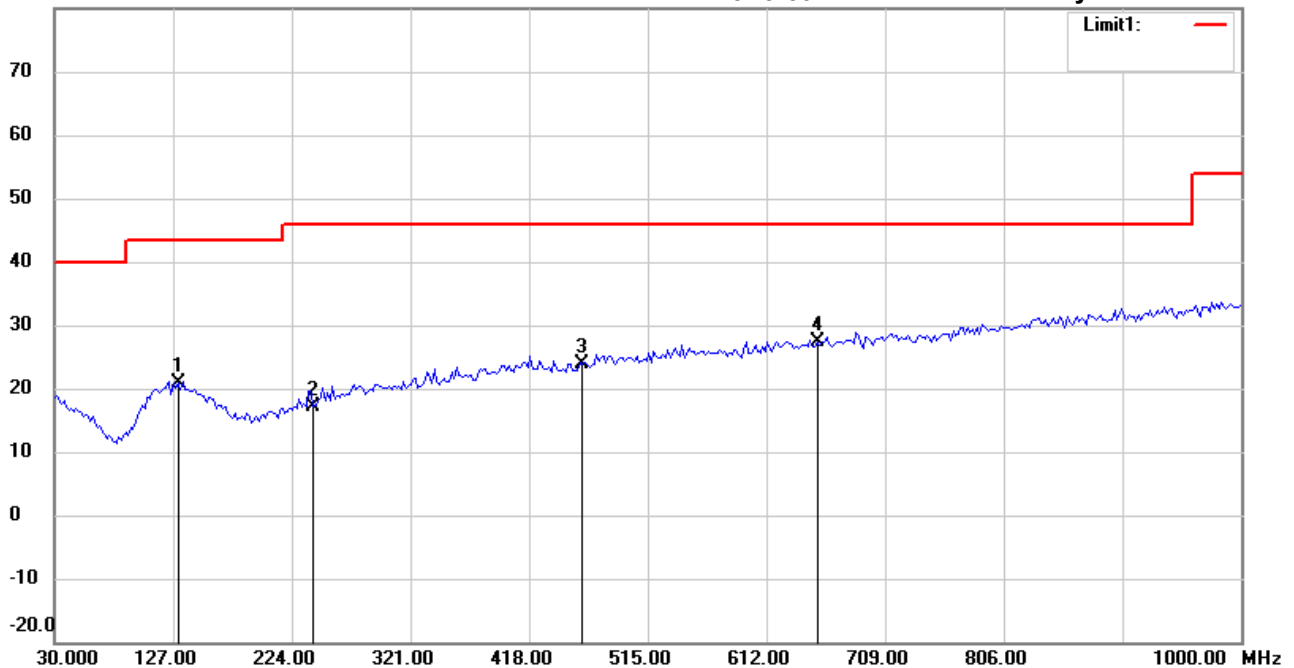
Date: 3/14/2019

Temperature: 22.3 °C

80.0 dBuV/m

Time: 8:59:47 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_30-1000MHz

EUT : W6M21901-18736

M/N:

Test Mode : RX 916MHz

Note :

Polarization: Vertical

Power : 6 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
	131.0822	27.12	peak	-6.32	20.80	43.50	100	180	-22.70	
	241.8838	24.97	peak	-7.77	17.20	46.00	100	55	-28.80	
	461.5431	26.73	peak	-2.85	23.88	46.00	100	170	-22.12	
*	653.9880	26.92	peak	0.39	27.31	46.00	100	250	-18.69	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, Neihu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File : 3

Data : #1

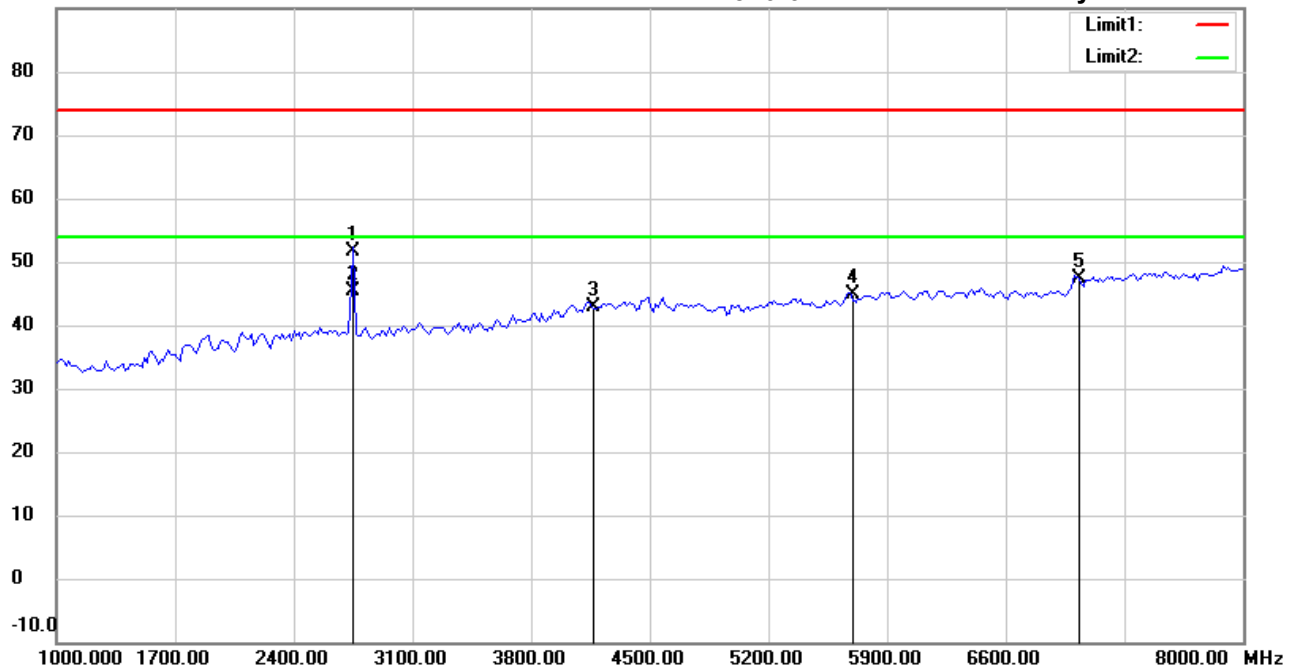
Date: 3/14/2019

Temperature: 22.3 °C

90.0 dBuV/m

Time: 9:37:24 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 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
	2748.094	55.59	peak	-3.84	51.75	74.00	150	250	-22.25	
*	2748.094	49.11	AVG	-3.84	45.27	54.00	150	250	-8.73	
	4156.313	42.20	peak	0.78	42.98	74.00	150	110	-31.02	
	5685.371	41.71	peak	3.29	45.00	74.00	150	290	-29.00	
	7032.064	42.02	peak	5.40	47.42	74.00	150	305	-26.58	

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



Address: 6F., No. 58, Ln 188, Ruey Kuang Rd, NeiHu, Taipei
Tel: +886-2-6606-8877
Fax: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#3

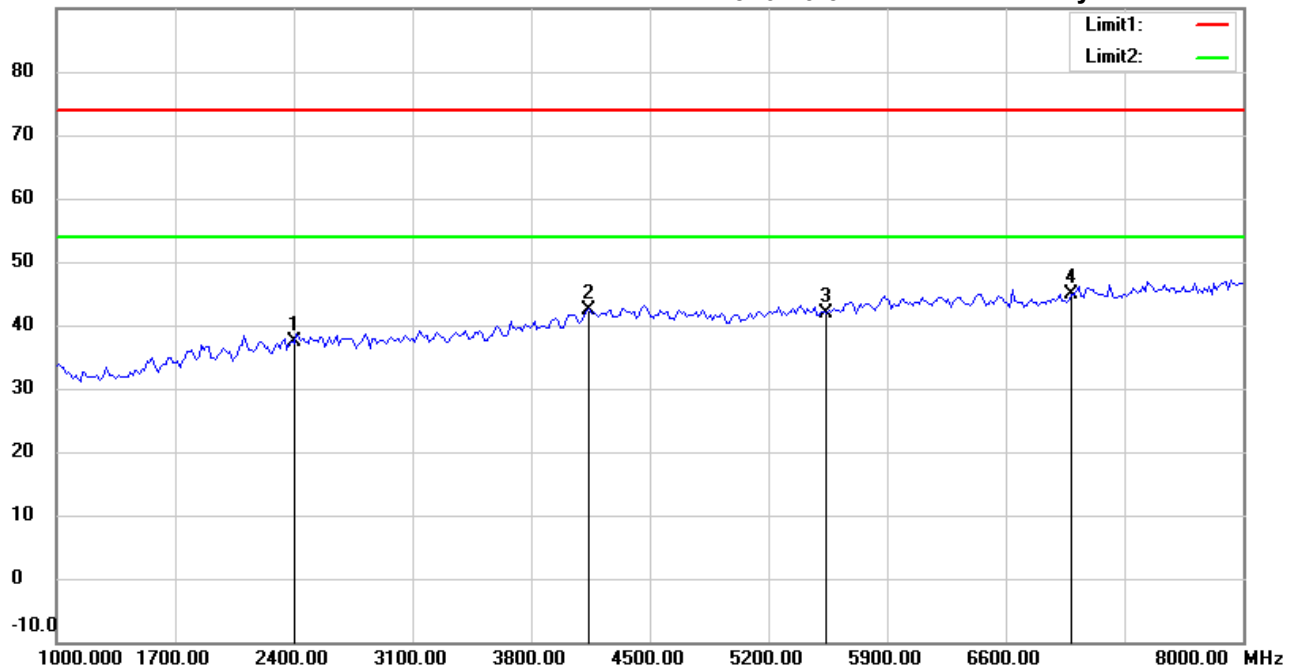
Date: 3/14/2019

Temperature: 22.3 °C

90.0 dBuV/m

Time: 9:43:51 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 916MHz

Note :

Polarization: Vertical

Power : 6 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
	2388.778	41.70	peak	-4.21	37.49	74.00	150	115	-36.51	
	4128.257	41.75	peak	0.55	42.30	74.00	150	290	-31.70	
	5545.090	39.45	peak	2.33	41.78	74.00	150	305	-32.22	
*	6989.980	39.49	peak	5.38	44.87	74.00	150	180	-29.13	

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



Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3

Data :#2

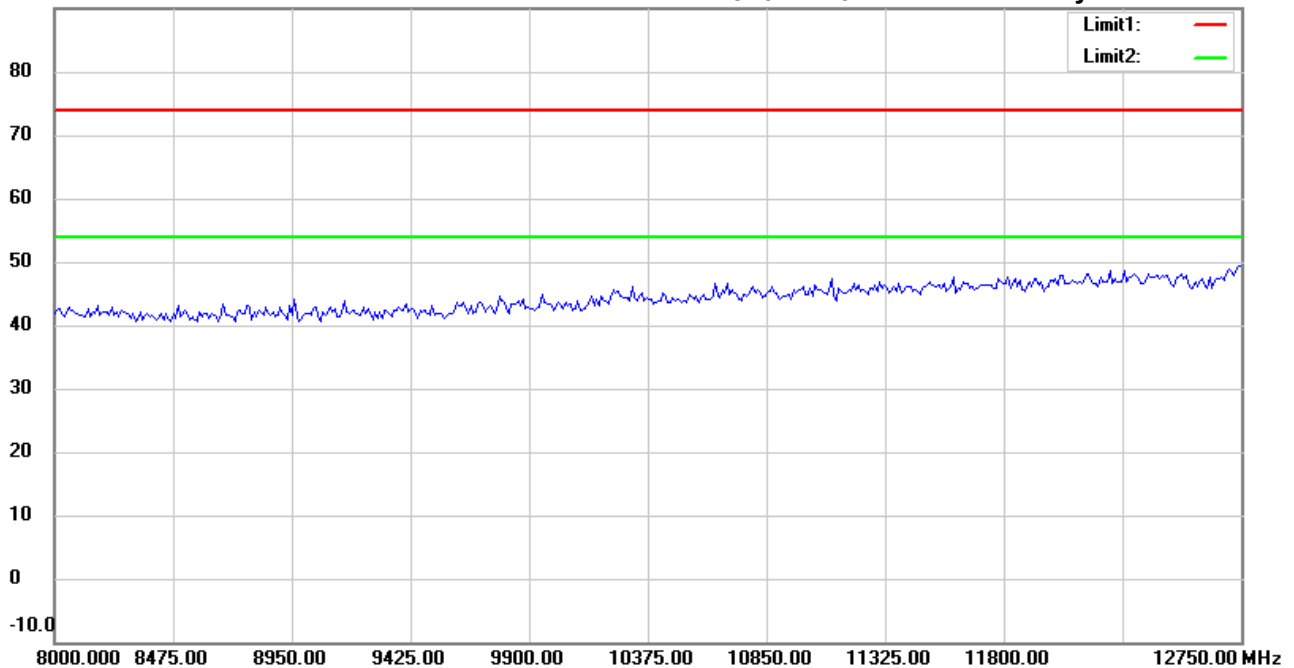
Date: 3/14/2019

Temperature:22.3 °C

90.0 dBuV/m

Time: 9:41:29 PM

Humidity:68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 916MHz

Note :

Polarization: Horizontal

Power : 6 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: +886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File : 3

Data : #4

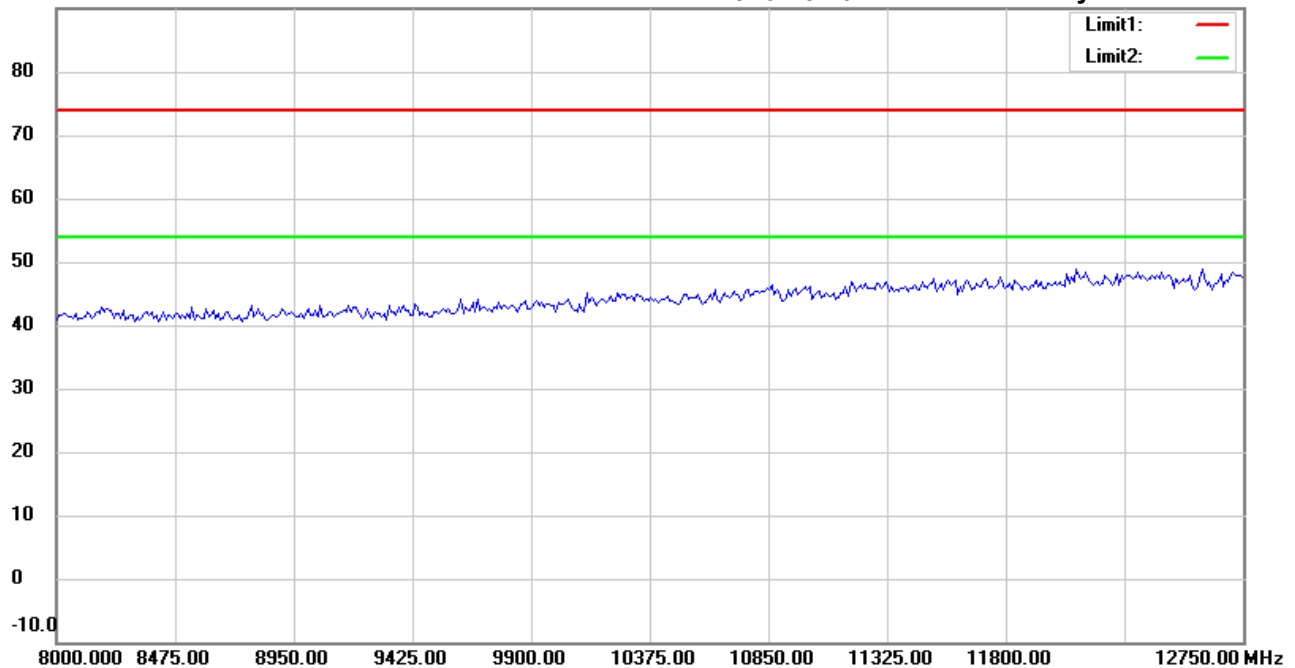
Date: 3/14/2019

Temperature: 22.3 °C

90.0 dBuV/m

Time: 9:45:49 PM

Humidity: 68.3 %



Site : Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M21901-18736

M/N:

Test Mode : RX 916MHz

Note :

Polarization: Vertical

Power : 6 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