47 CFR PART 15 SUBPART C TEST REPORT

for

OMNI Fleet

Model No.: OMNI-23MAI001

FCC ID: 2BBAB-MAI-OMNI

of

Applicant: Mindtronic AI Inc.
Address: 7506 Silvercrest Dr, Austin, TX 78757 United States

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW1072

Industry Canada filed test laboratory Reg. No.: 20037, 5107A

Report No.: W6M22304-22580-C-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
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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 is performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-
1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.

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:

Date	WTS-Lab.	Name	Signature
June 14, 2023		Sora Kuo	Sora

Technical responsibility for area of testing:

Date	WTS	Name	Signature
June 14, 2023		Kevin Wang	Kevin Wang

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1.2 Testing laboratory

1.2.1 Location

10m 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

Worldwide Testing Services (Taiwan) Co., Ltd.
6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,
Taipei City 114 , Taiwan (R.O.C.)
Tel: 886-2-6606-8877

1.2.2 Details of accreditation status

Accredited testing laboratory
FCC filed test laboratory Reg. No.: TW1477, TW1072
Industry Canada filed test laboratory Reg. No.: 20037, 5107A

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

Name:	./.
Accredited number:	./.
Street:	./.
Town:	./.
Country:	./.

1.3 Details of approval holder

Name:	Mindtronic AI Inc.
Street:	7506 Silvercrest Dr,
Town:	Austin, TX 78757
Country:	United States

1.4 Application details

Date of receipt of test item:	April 24, 2023
Date of test:	from April 25, 2023 to June 12, 2023

1.5 General information of Test item

Type of test item:	OMNI Fleet
Model number:	OMNI-23MAI001
Brand name:	Mindtronic AI
Multi-listing model number:	./.
Sample no.:	#02

Technical data

Frequency band:	2.4 GHz – 2.4835 GHz
Number of channels:	802.11b, g, n 20MHz: 11 channels
Operation modes:	Duplex
Modulation type:	DSSS/OFDM
Fixed point-to-point operation:	☐ Yes / ☒ No
Type of antenna:	PCB antenna
Antenna gain:	1.49 dBi

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Technical data:

WLAN		
Mode	Channel	Conducted Power (dBm)
802.11b	Ch 1 : 2412 MHz	9.72
	Ch 6 : 2437 MHz	10.96
	Ch 11 : 2462 MHz	11.99
802.11g	Ch 1 : 2412 MHz	10.15
	Ch 6 : 2437 MHz	11.35
	Ch 11 : 2462 MHz	12.60
802.11n20MHz	Ch 1 : 2412 MHz	10.66
	Ch 6 : 2437 MHz	11.82
	Ch 11 : 2462 MHz	13.07

Power supply: 12Vd.c.

Manufacturer: (if applicable)

Name: Mindtronic AI Co., Ltd. (Cayman Island) Taiwan Branch
Street: 7 F., No. 218, Sec. 6, Roosevelt Rd., Wenshan Dist.,
Town: Taipei City 11674,
Country: Taiwan (R.O.C.)

1.6 Test standards

47 CFR PART 15 SUBPART C § 15.247 (2021-10)

1.7 Duty cycle and factor

The duty factor is computed as [10 log (1 / D)], where D is the duty cycle.

Mode	T_{on} (ms)	$T_{on}+T_{off}$ (ms)	Duty cycle (%)	Duty Factor (dB)	1/T - VBW (kHz)
802.11b	12.474	12.474	100.00%	0.00	0.08
802.11g	2.079	2.091	99.43%	0.02	0.48
802.11n 20M	1.931	1.943	99.38%	0.03	0.52

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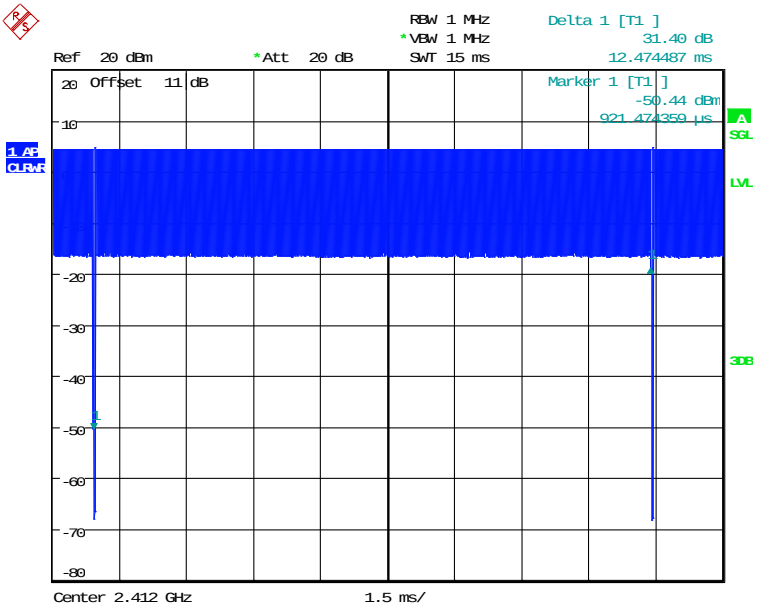
Duty cycle plot



DUTY 802.11B
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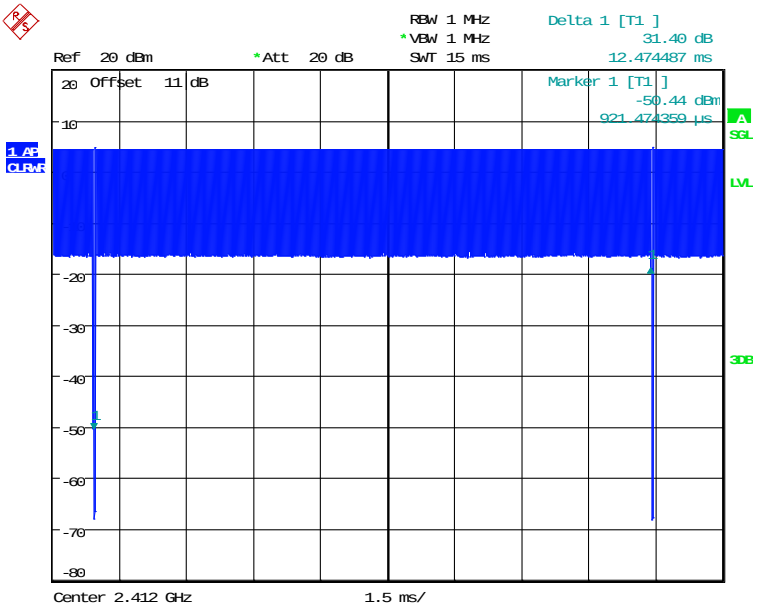

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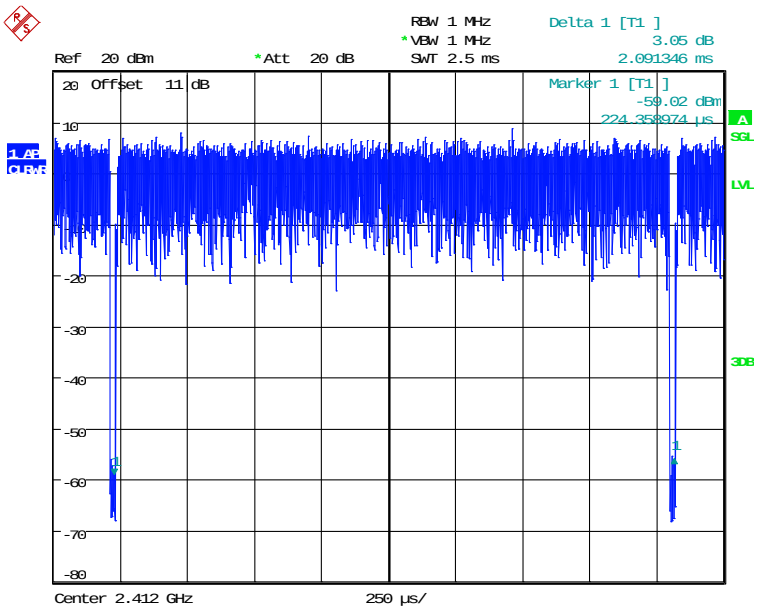
Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



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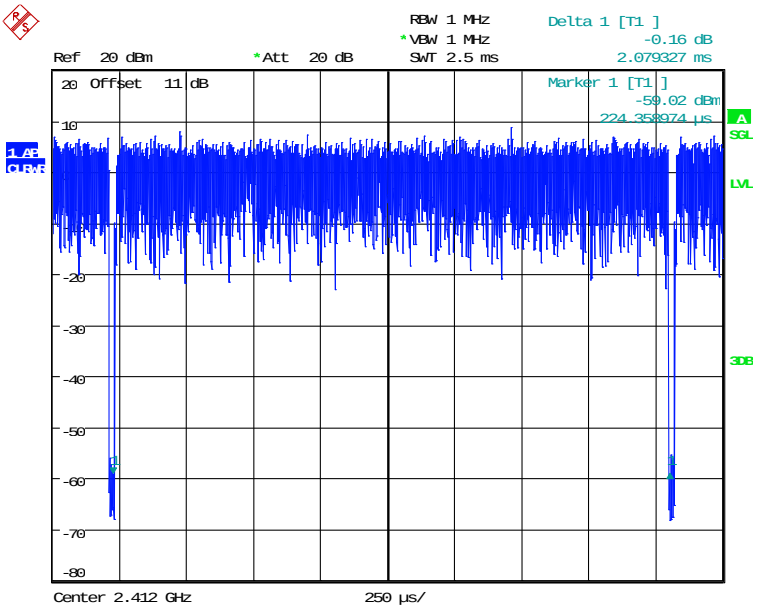

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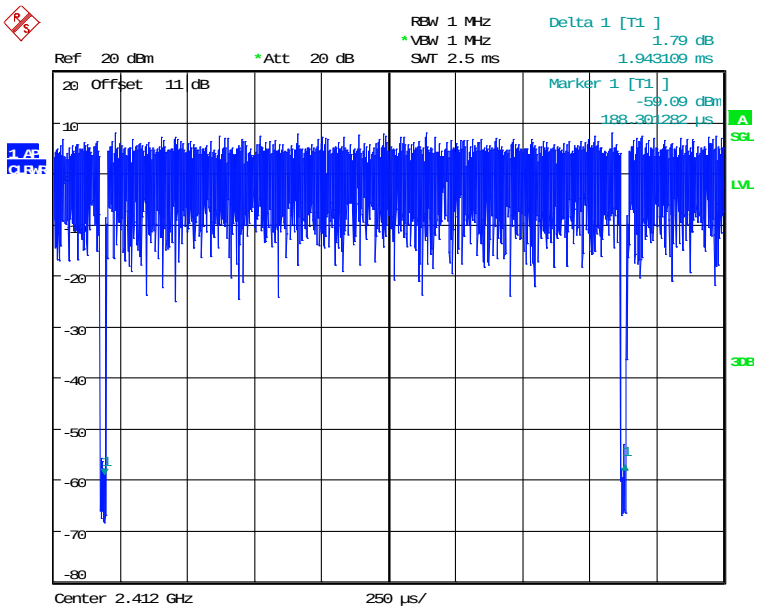

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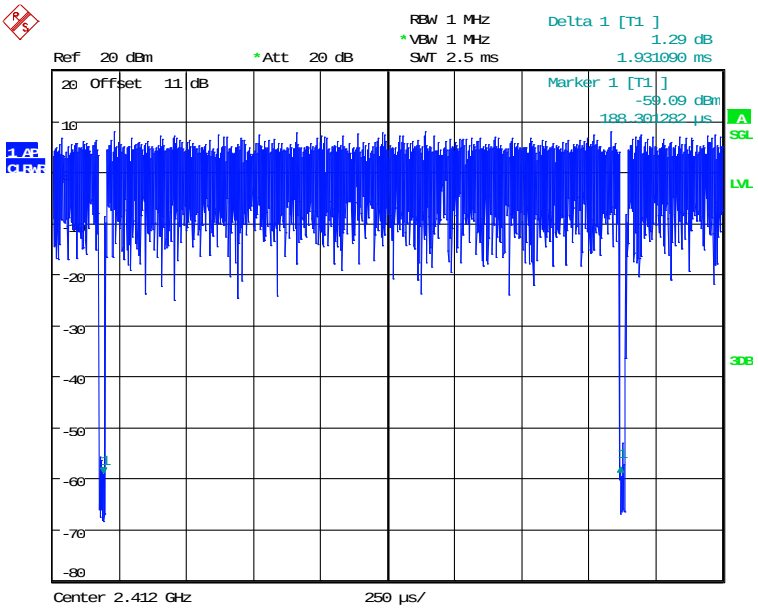


DUTY 802.11N20
Date: 4.JUN.2023 10:15:04

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 were ascertained in the course of the tests performed. ☐

2.2 Test environment

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Extreme conditions parameters: ./.

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission (Power Line Conducted Emission)	Expanded Uncertainty： AMN：0.94 dB Voltage probe：0.96 dB Include Pulse Limiter：1.52 dB
Estimation Result of Uncertainty of Radiated Emission(3M) (Transmitter Radiated Emissions in Restricted Bands, Spurious Emissions (tx), Radiated Emission from Digital Part)	Expanded Uncertainty： 0.009-30 MHz：3.48 dB 30-1000 MHz：3.96 dB 1-18 GHz：2.46 dB 18-40 GHz：2.44 dB
Estimation Result of Uncertainty of Bandwidth Measurement (20 dB Bandwidth, Minimum 6 dB Bandwidth)	Expanded Uncertainty：0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Output Power (transmitter))	Expanded Uncertainty：1.48 dB
Estimation Result of Uncertainty of Power Density Measurement (Peak Power Spectral Density)	Expanded Uncertainty：1.48 dB
Estimation Result of Uncertainty of Band Edge Measurement (Emissions in nonrestricted frequency bands)	Expanded Uncertainty：0.67 dBc
Estimation Result of Uncertainty of Duty Cycle Measurement (Time of Occupancy (Dwell Time))	Expanded Uncertainty：0.1 ms

The decision rule is: Measurement uncertainty is not included in the calculation of test results.

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	2022/6/22	2023/6/21
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	2022/10/24	2023/10/23
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2022/10/24	2023/10/23
ETSTW-CE 008	HF-EICHLEITUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2022/8/3	2023/8/2
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2022/11/9	2023/11/8
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2022/7/29	2023/7/28
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2022/6/21	2023/6/20
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2022/10/17	2023/10/16
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	2022/8/18	2023/8/17
ETSTW-RE 019	MICROWAVE HORN ANTENNA	22240-25	121074	FM	2023/5/18	2024/5/17
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2022/6/22	2023/6/21
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2023/5/18	2024/5/17
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2023/3/2	2024/3/1
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2022/6/28	2023/6/27
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2022/8/1	2023/7/31
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2023/2/17	2024/2/16
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2023/2/17	2024/2/16
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2023/2/17	2024/2/16
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2023/3/22	2024/3/21
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2023/2/17	2024/2/16
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2023/2/20	2024/2/19
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	2022/11/5	2023/11/4
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2022/9/16	2023/9/15
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2023/5/18	2024/5/17
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2023/2/17	2024/2/16
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	2023/1/4	2024/1/3

ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	2022/11/8	2023/11/7
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2022/6/20	2023/6/19
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2022/8/5	2023/8/4
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2022/8/5	2023/8/4
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2023/2/17	2024/2/16
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2022/8/5	2023/8/4
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2022/8/5	2023/8/4
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2023/2/20	2024/2/19
ETSTW-RE 146	Preamplifier	JPA-10M1G	15090004	JPT	2023/5/18	2024/5/17
ETSTW-RE 152	Bi-log Hybrid Antenna	MCTD 2786B	BLB20J04029	ETC	2023/3/21	2024/3/20
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2022/10/3	2023/10/2
ETSTW-RE 159	Bi-log Hybrid Antenna (30M~1000 MHz)	MCTD 2786B	BLB21N04035	ETC	2022/12/22	2023/12/21
ETSTW-RE 177	Bi-log Hybrid Antenna with 6dB Attenuator	VULB 9168& EMCI-N-6-06	01380& AT-06007	SCHWARZBECK& EMC	2022/9/1	2023/8/31
ETSTW-RF 002	Electromagnetic field probe	LF-30	K-0007	STT	2022/7/14	2023/7/13
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2023/5/18	2024/5/17
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2023/3/22	2024/3/21
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2023/4/27	2024/4/26
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2022/10/24	2023/10/23
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2023/1/4	2024/1/3
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2023/1/4	2024/1/3
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2023/1/4	2024/1/3
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2023/1/4	2024/1/3
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2022/9/2	2023/9/1
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2023/4/24	2024/4/23
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2022/8/5	2023/8/4
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2023/2/4	2024/2/3
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2023/2/4	2024/2/3
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2023/2/4	2024/2/3
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2023/2/4	2024/2/3
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2022/6/29	2023/6/28
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2023/4/27	2024/4/26
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2022/9/16	2023/9/15
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2022/9/16	2023/9/15
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 （S_Cable 9）	279067	HUBER+SUHNER	2023/02/17	2024/2/16
ETSTW-Cable 045	Microwave Cable	SUCOFLEX 104	325536	HUBER+SUHNER	2022/10/21	2023/10/20

ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2023/5/18	2024/5/17
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2023/2/20	2024/2/19
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2023/5/18	2024/5/17
ETSTW-Cable 072	SMA type cable (8m)	SUCOFLEX 104	805800/4	HUBER+SUHNER	2023/2/20	2024/2/19
ETSTW-Cable 074	SMA type cable (2m)	SUCOFLEX 104	802563/4	HUBER+SUHNER	2023/2/20	2024/2/19
ETSTW-Cable 076	SMA type cable (1m)	N/A	812652/4	HUBER+SUHNER	2023/2/20	2024/2/19
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	
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	
ETSTW-TH 002	Thermohygrometer	608-H1	45204317	Testo	2022/9/16	2023/9/15
ETSTW-TH 003	Wireless weather station	GAIA	N/A	TFA	2022/10/28	2023/10/27

2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.10-2013 6.2 using a 50µH 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 dBµV) 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 dBµV + 10.36 dB + 6 dB = 36.36 dBµV/m @3m

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

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

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

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

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 (dwell time/T)
T = 100ms when the pulse train period is over 100 ms or the period of the pulse train.

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

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

3 Test results (enclosure)

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	☒	☒	☐
Equivalent isotropically radiated Power	15.247(b)	☒	☒	☐
Spurious Emissions radiated – Transmitter operating	15.247(d):15.209	☒	☒	☐
Spurious Emissions conducted – Transmitter operating	15.247	☐	☐	☐
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)	☐	☐	☐

3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

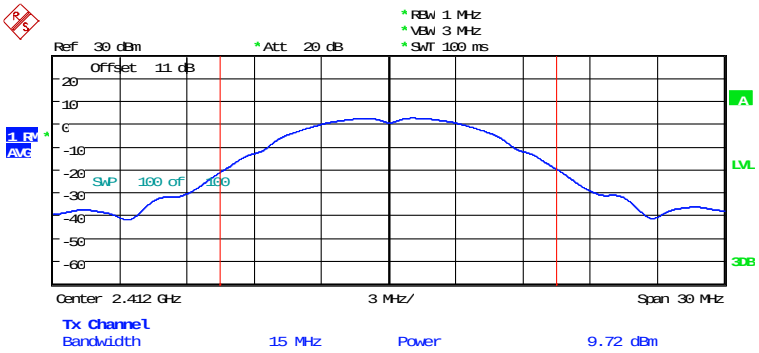
This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.
The power was measured with modulation (declared by the applicant).

Test date: June 04, 2023
Temperature: 25.8˚C
Humidity: 56.4 %
Tester: Sora

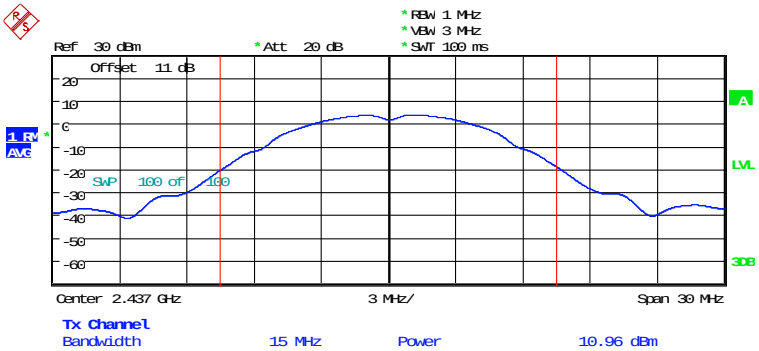
Band	Mode	Channel	Conducted power with DF Antenna (dBm)	DF (dB)	Limit (dBm)
2.4GHz	802.11b	Ch 1 : 2412 MHz	9.72	0.00	30
		Ch 6 : 2437 MHz	10.96	0.00	30
		Ch 11 : 2462 MHz	11.99	0.00	30
	802.11g	Ch 1 : 2412 MHz	10.15	0.02	30
		Ch 6 : 2437 MHz	11.35	0.02	30
		Ch 11 : 2462 MHz	12.60	0.02	30
	802.11n 20M	Ch 1 : 2412 MHz	10.66	0.03	30
		Ch 6 : 2437 MHz	11.82	0.03	30
		Ch 11 : 2462 MHz	13.07	0.03	30

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI

802.11b

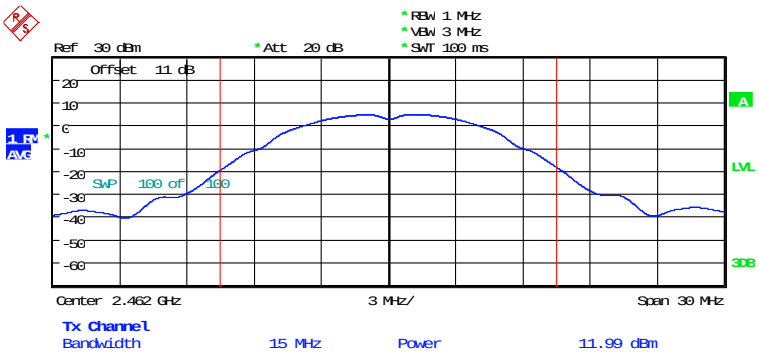


MAX OUTPUT POWER 802.11B CH01
Date: 4.JUN.2023 10:04:14



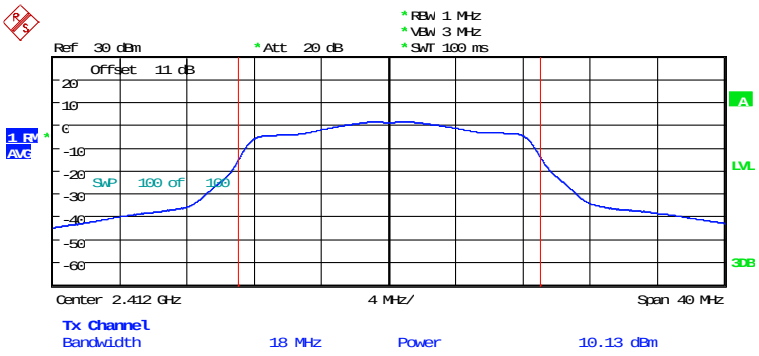
MAX OUTPUT POWER 802.11B CH06
Date: 4.JUN.2023 10:03:09

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



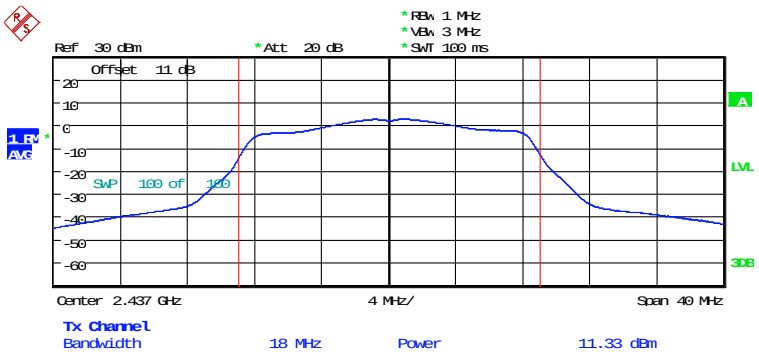
MAX OUTPUT POWER 802.11B CH11
Date: 4.JUN.2023 10:02:32

802.11g



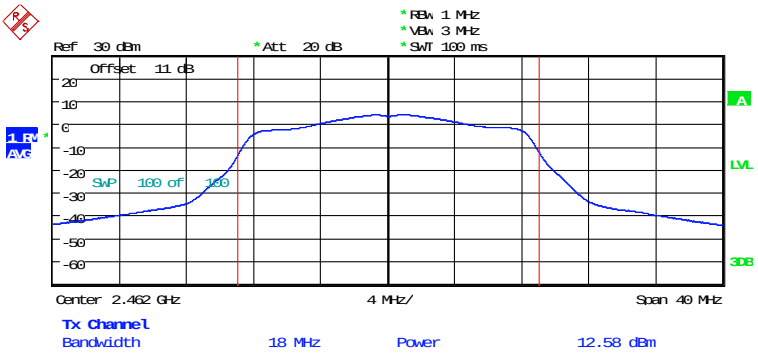
MAX OUTPUT POWER 802.11G CH01
Date: 4.JUN.2023 10:00:02

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



MAX OUTPUT POWER 802.11G CH06

Date: 4.JUN.2023 10:00:41

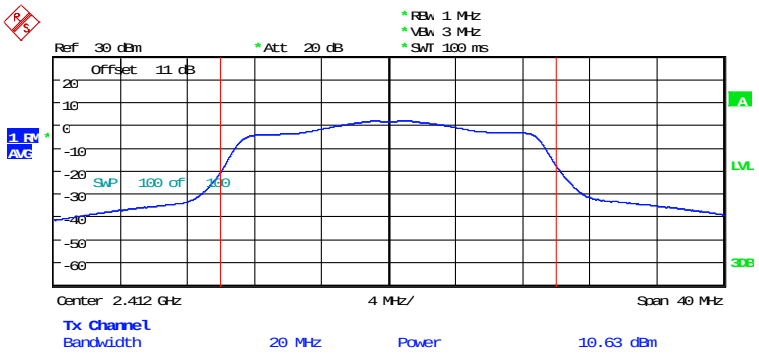


MAX OUTPUT POWER 802.11G CH11

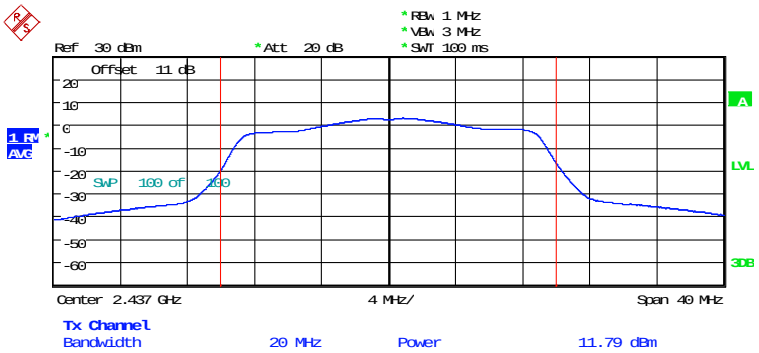
Date: 4.JUN.2023 10:01:29

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI

802.11n 20MHz

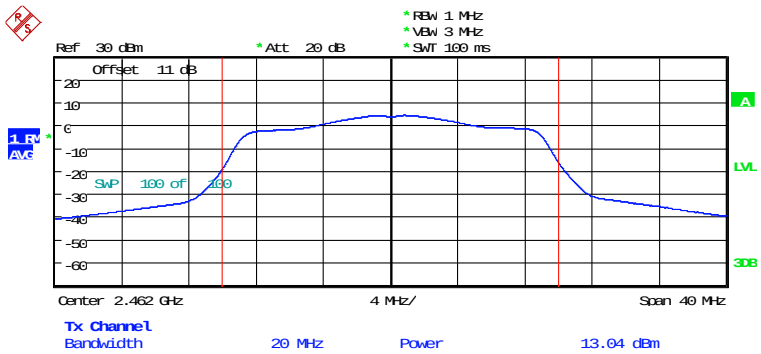


MAX OUTPUT POWER 802.11N 20MHZ CH01
Date: 4.JUN.2023 09:58:15



MAX OUTPUT POWER 802.11N 20MHZ CH06
Date: 4.JUN.2023 09:58:53

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



MAX OUTPUT POWER 802.11N 20MHZ CH011
Date: 4.JUN.2023 09:56:20

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, ETSTW-RE 064

3.2 Transmitter Radiated Emissions in Restricted Bands

FCC Rules: 15.247 (c), 15.205, 15.209, 15.35
Radiated emission measurements were performed from 30 MHz to 26500 MHz.
For radiated emission tests, the analyzer setting was as followings:

Frequency ≦ 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 (dwell time/ 100ms)

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

Explanation: See attached diagrams in Appendix.

3.3 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 (dwell time/100ms)

Test equipment used: ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 088, ETSTW-RE 018, ETSTW-RE 064

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

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:	OMNI-23MAI001	Date:	--		
Mode:	--	Temperature:	--	°C	Engineer: --
Polarization:	--	Humidity:	--	%	

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

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

Note

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

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

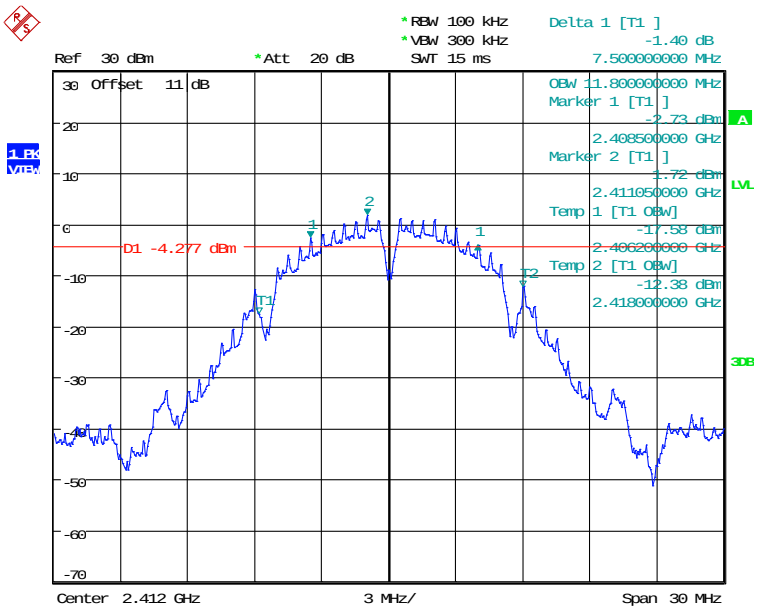
Test equipment used: ETSTW-RE 030, ETSTW-RE 111, ETSTW-RE 088, ETSTW-RE 018, ETSTW-RE 064

3.4 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.

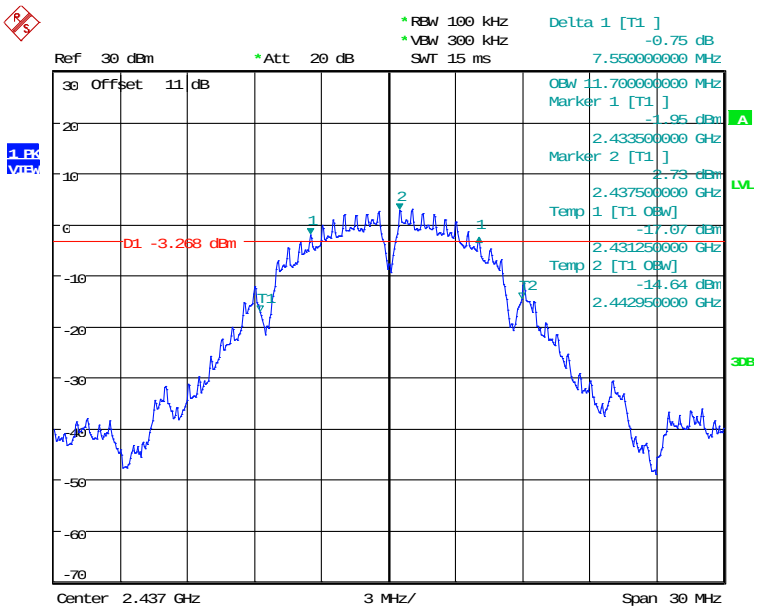
Test date: June 04, 2023
Temperature: 25.8˚C
Humidity: 56.4 %
Tester: Sora

802.11b



6DB BANDWIDTH 802.11B CH01
Date: 4.JUN.2023 09:00:26

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



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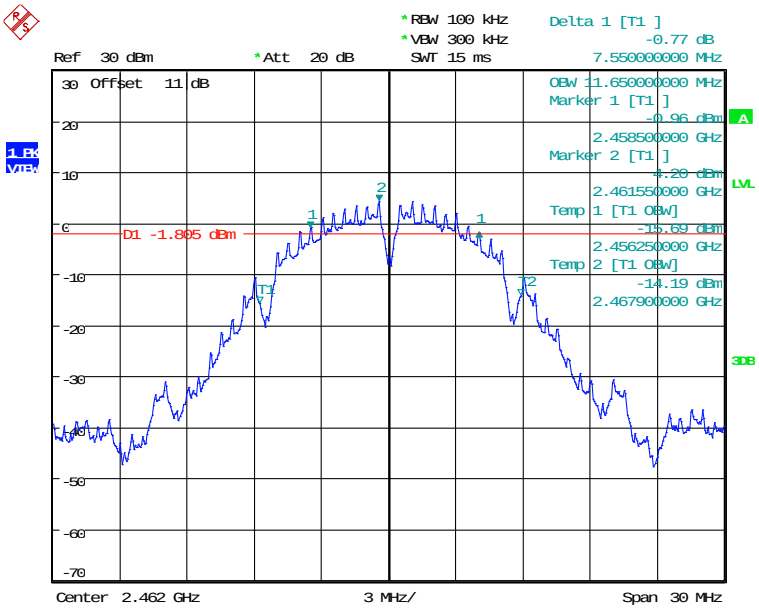
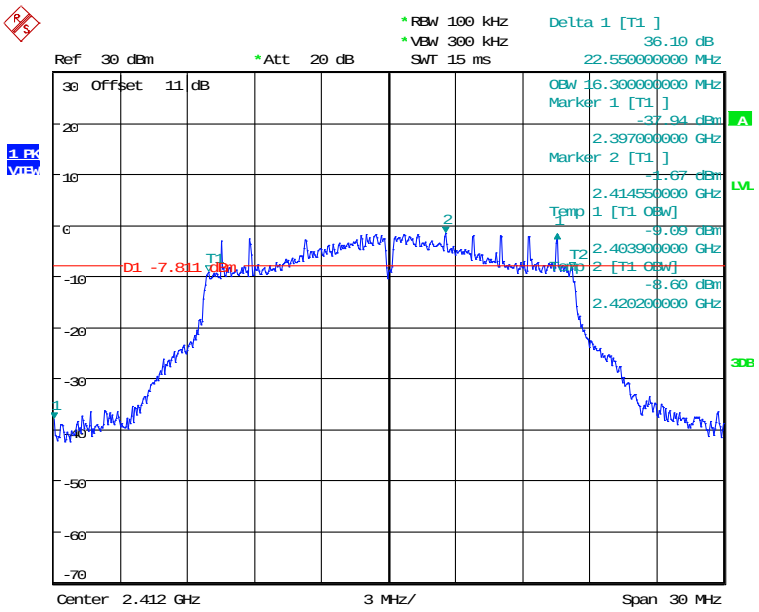


6DB BANDWIDTH 802.11B CH11
Date: 4.JUN.2023 09:16:09

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI

802.11g



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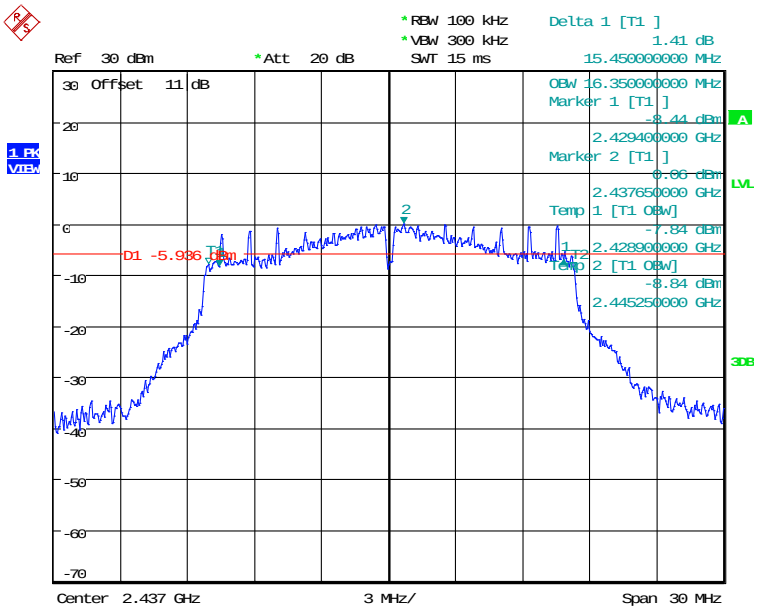

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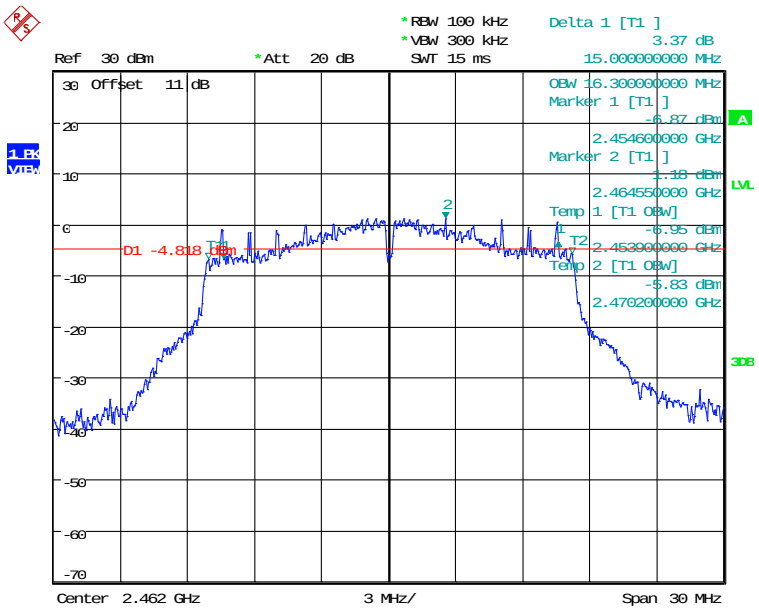
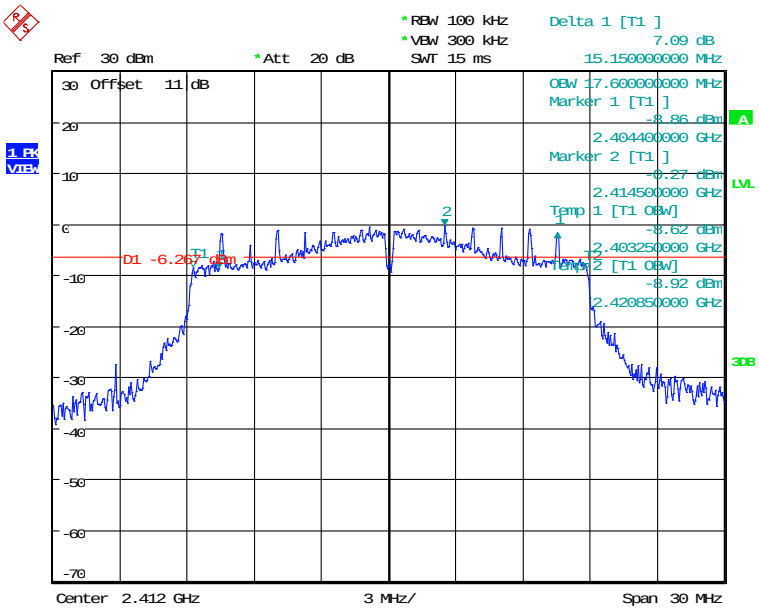
Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



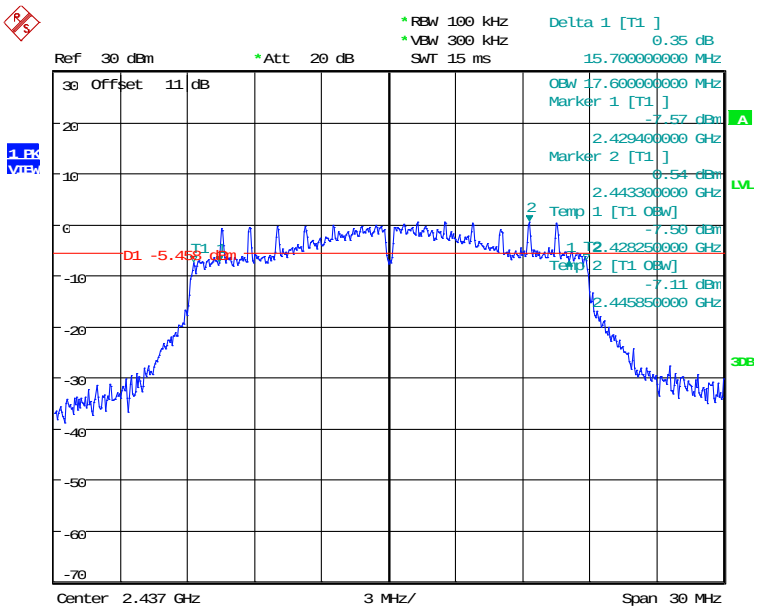
6DB BANDWIDTH 802.11G CH11
Date: 4.JUN.2023 09:38:48

802.11n 20MHz



6DB BANDWIDTH 802.11N 20MHZ CH01
Date: 4.JUN.2023 09:40:14

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



6DB BANDWIDTH 802.11N 20MHZ CH06

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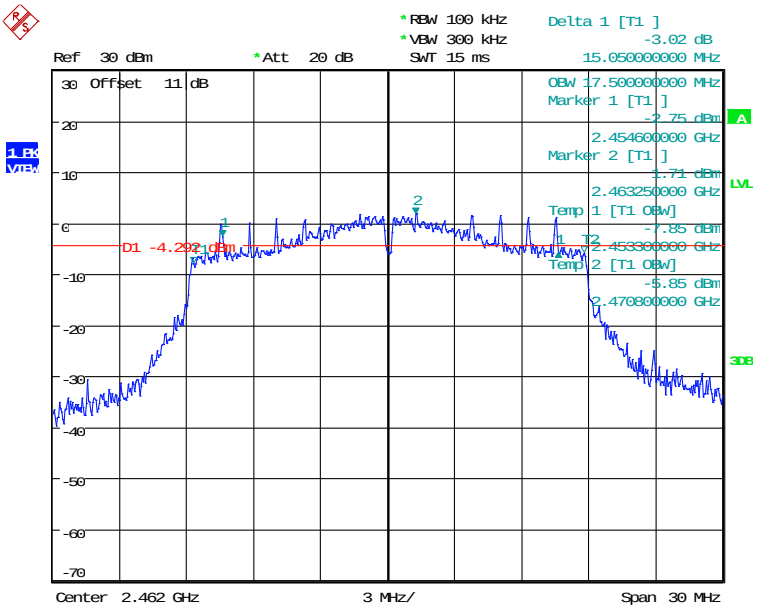


6DB BANDWIDTH 802.11N 20MHZ CH11

Date: 4.JUN.2023 09:42:07

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI

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

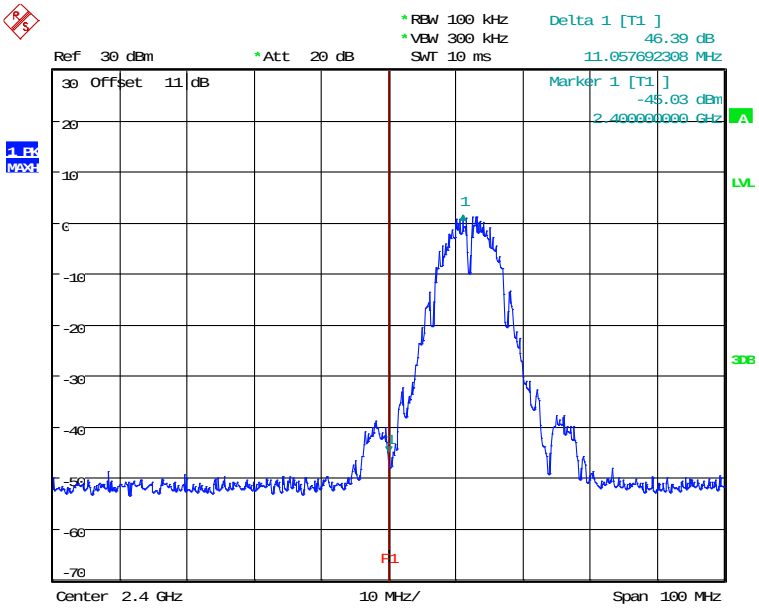
3.5 Emissions in nonrestricted frequency bands

According to FCC rules part 15 subpart C §15.247(c) in any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in § 15.209(a) is not required.

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

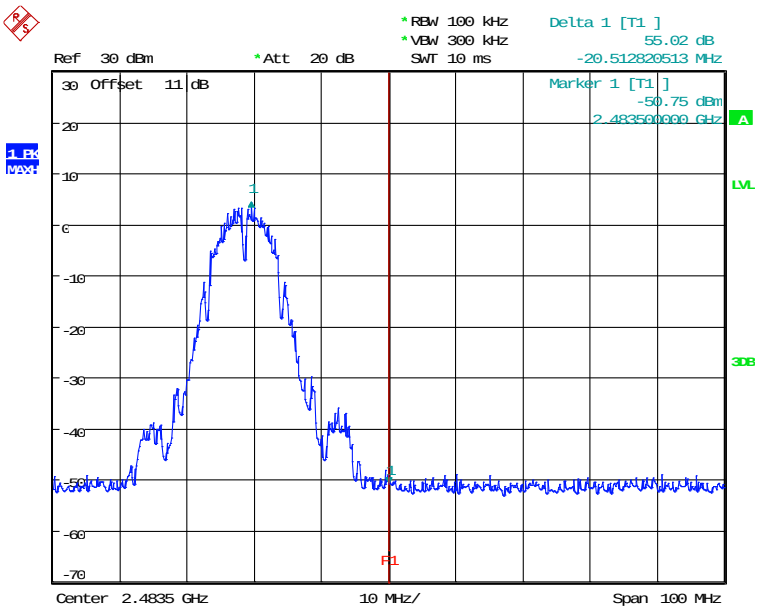
Test date: June 04, 2023
Temperature: 25.8˚C
Humidity: 56.4 %
Tester: Sora

802.11b



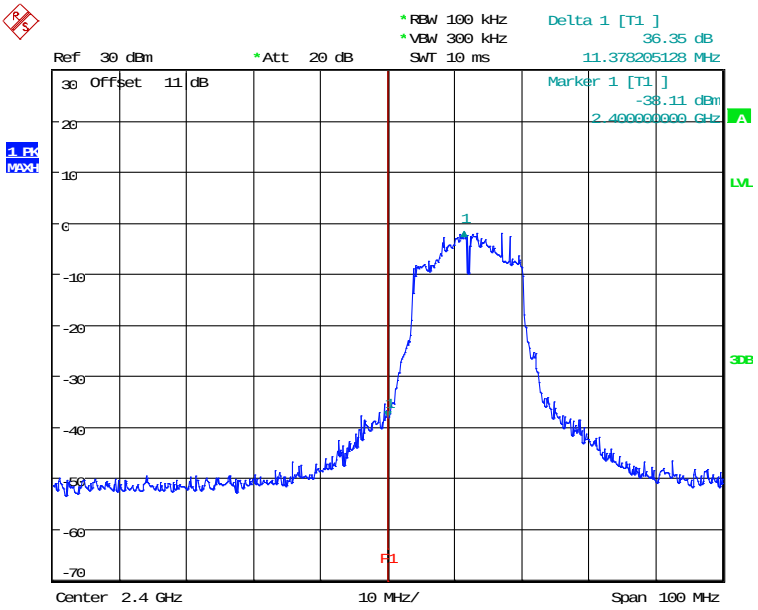
BANDEDGE 802.11B CH01
Date: 4.JUN.2023 09:00:38

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



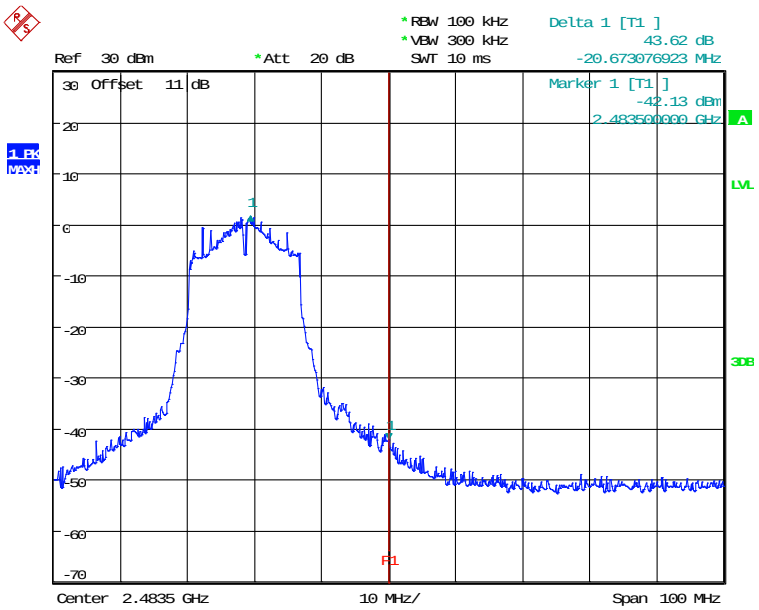
BANDEDGE 802.11B CH11
Date: 4.JUN.2023 09:16:21

802.11g



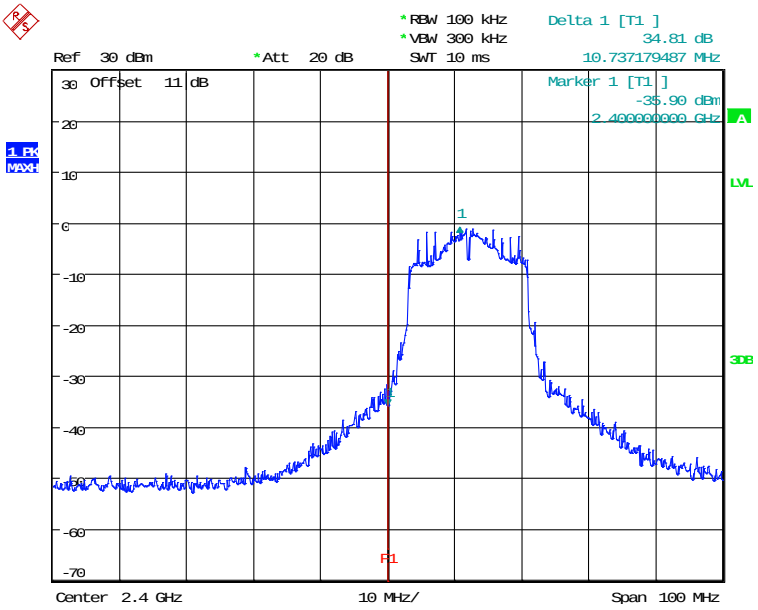
BANDEDGE 802.11G CH01
Date: 4.JUN.2023 09:36:33

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



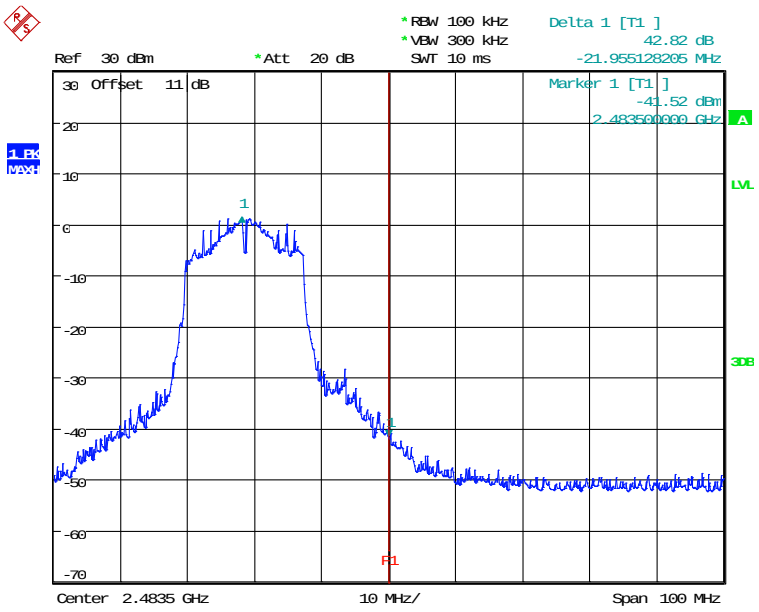
BANDEDGE 802.11G CH11
Date: 4.JUN.2023 09:39:00

802.11n 20MHz



BANDEDGE 802.11N 20MHZ CH01
Date: 4.JUN.2023 09:40:26

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



BANDEDGE 802.11N 20MHZ CH11
Date: 4.JUN.2023 09:42:19

Limit:

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

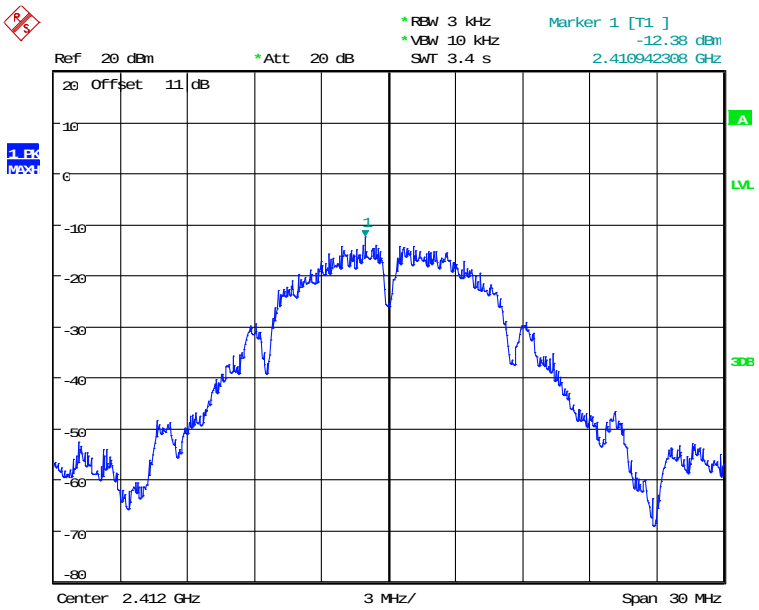
Test equipment used: ETSTW-RE 055, ETSTW-RE 050, ETSTW-RE 064

3.6 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.

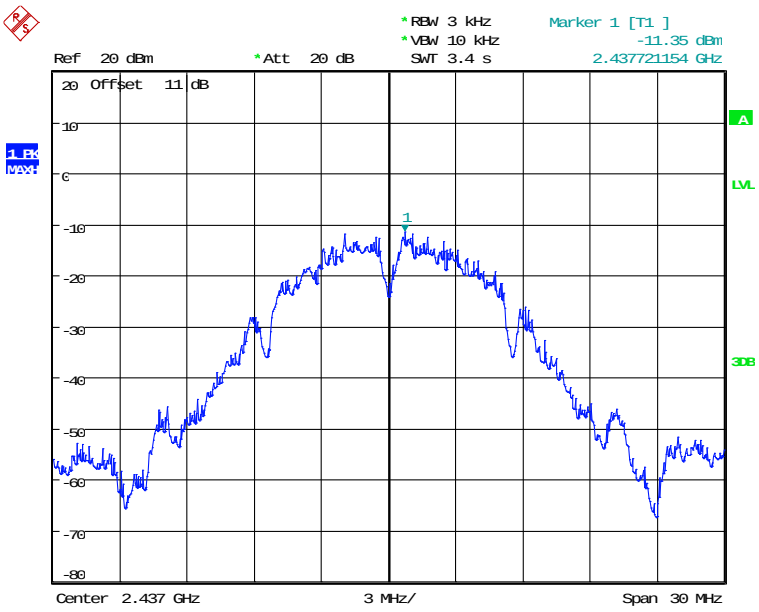
Test date: June 04, 2023
Temperature: 25.8˚C
Humidity: 56.4 %
Tester: Sora

802.11b

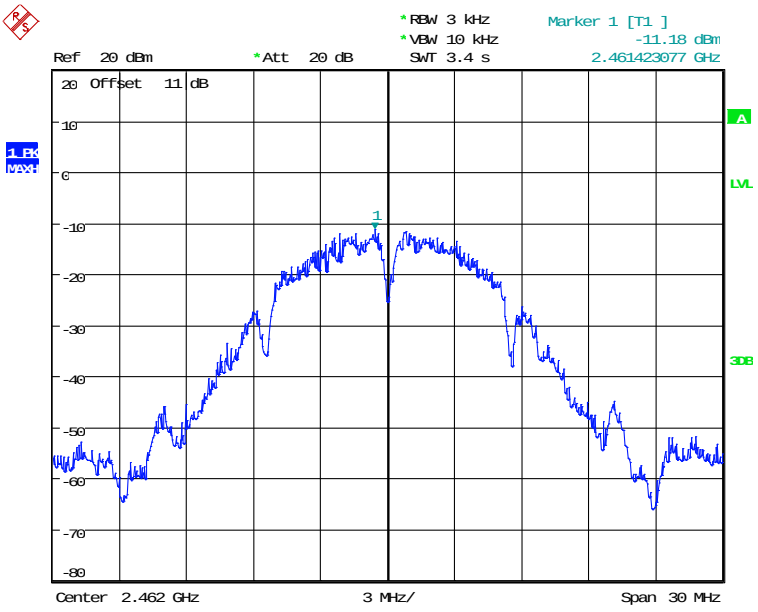


POWER DENSITY 802.11B CH01
Date: 4.JUN.2023 09:00:34

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



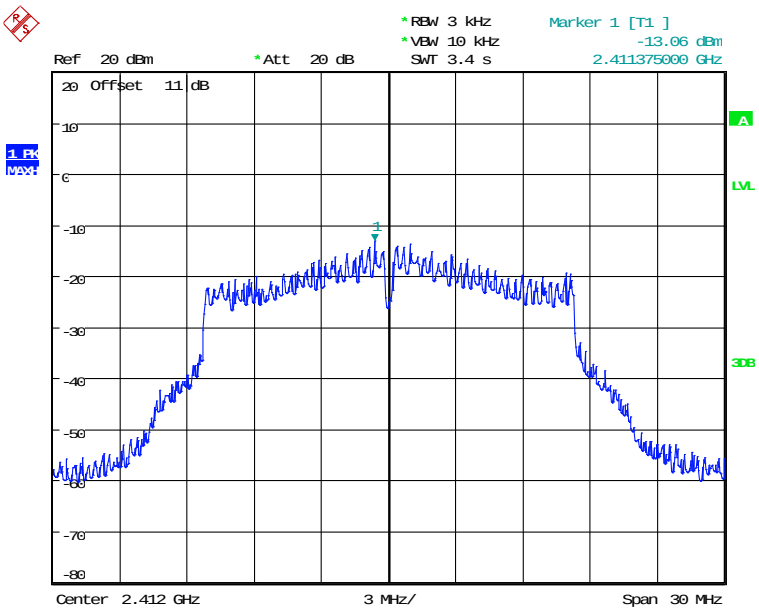
POWER DENSITY 802.11B CH06
Date: 4.JUN.2023 09:07:16



POWER DENSITY 802.11B CH11
Date: 4.JUN.2023 09:16:17

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI

802.11g



POWER DENSITY 802.11G CH01
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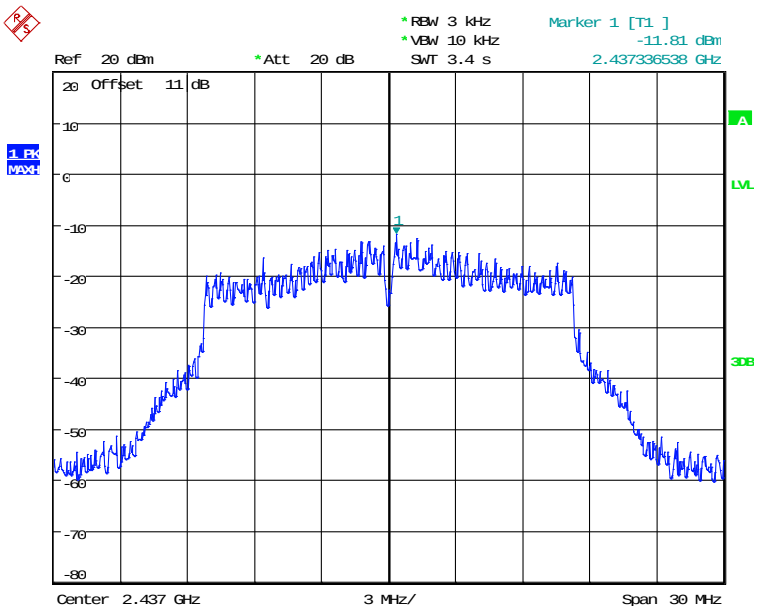
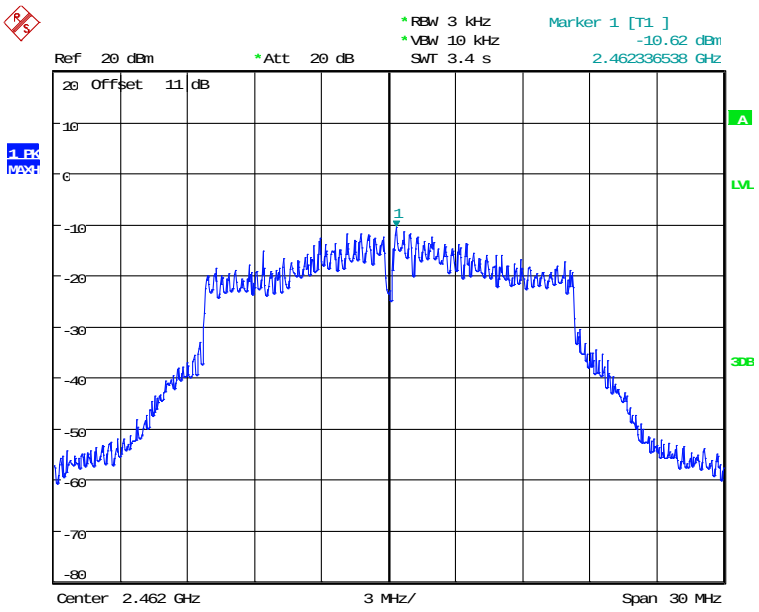


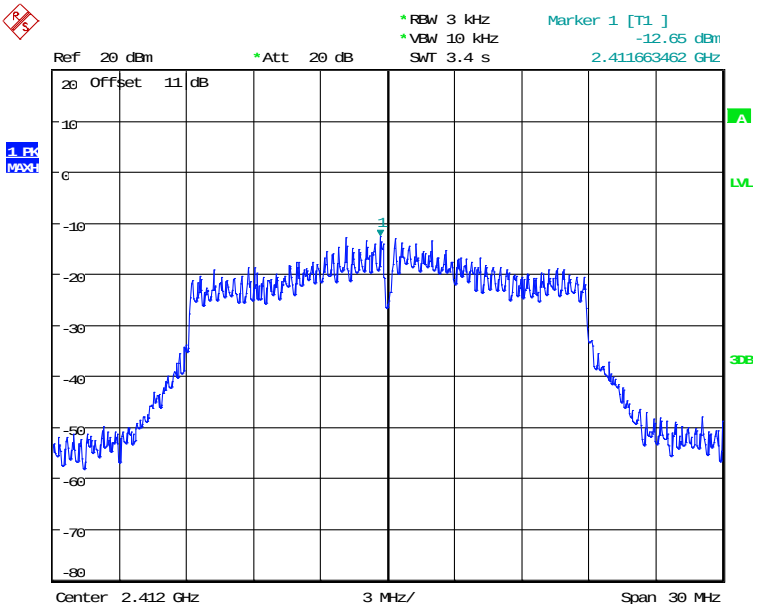
POWER DENSITY 802.11G CH06
Date: 4.JUN.2023 09:37:38

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



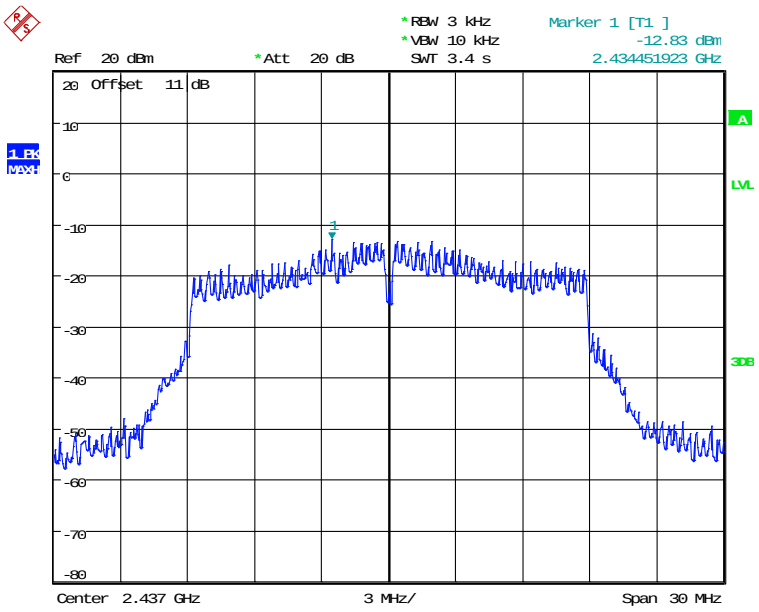
POWER DENSITY 802.11G CH11
Date: 4.JUN.2023 09:38:56

802.11n 20MHz

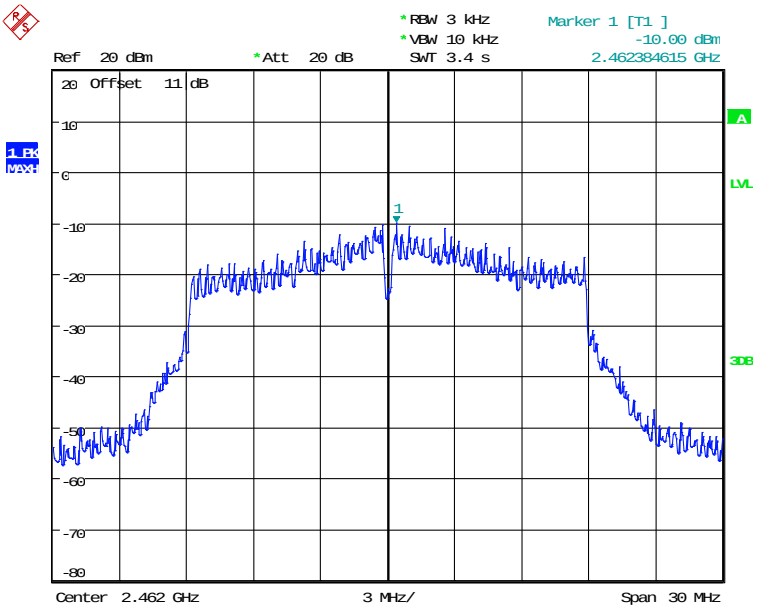


POWER DENSITY 802.11N 20MHZ CH01
Date: 4.JUN.2023 09:40:22

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI



POWER DENSITY 802.11N 20MHZ CH06
Date: 4.JUN.2023 09:41:27



POWER DENSITY 802.11N 20MHZ CH11
Date: 4.JUN.2023 09:42:15

Registration number: W6M22304-22580-C-1
FCC ID: 2BBAB-MAI-OMNI

Limits:

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

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

3.7 Radiated Emission from Receiver Part

Model:	OMNI-23MAI001	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) Peak	Reading (dBuV) Ave.	Factor (dB) Corr.	Result (dBuV/m) Peak	Result (dBuV/m) Ave.	Limit (dBuV/m) Peak	Limit (dBuV/m) Ave.	Margin (dB)	Table Degree (Deg.)	Ant. High (m)
- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -
- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -

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.**

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.

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. **Up Line: QP Limit Line, Down Line: Ave Limit Line.**
6. **The EUT is powered by DC, so this test item is not required.**

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

Appendix

Measurement diagrams

Spurious Emissions radiated

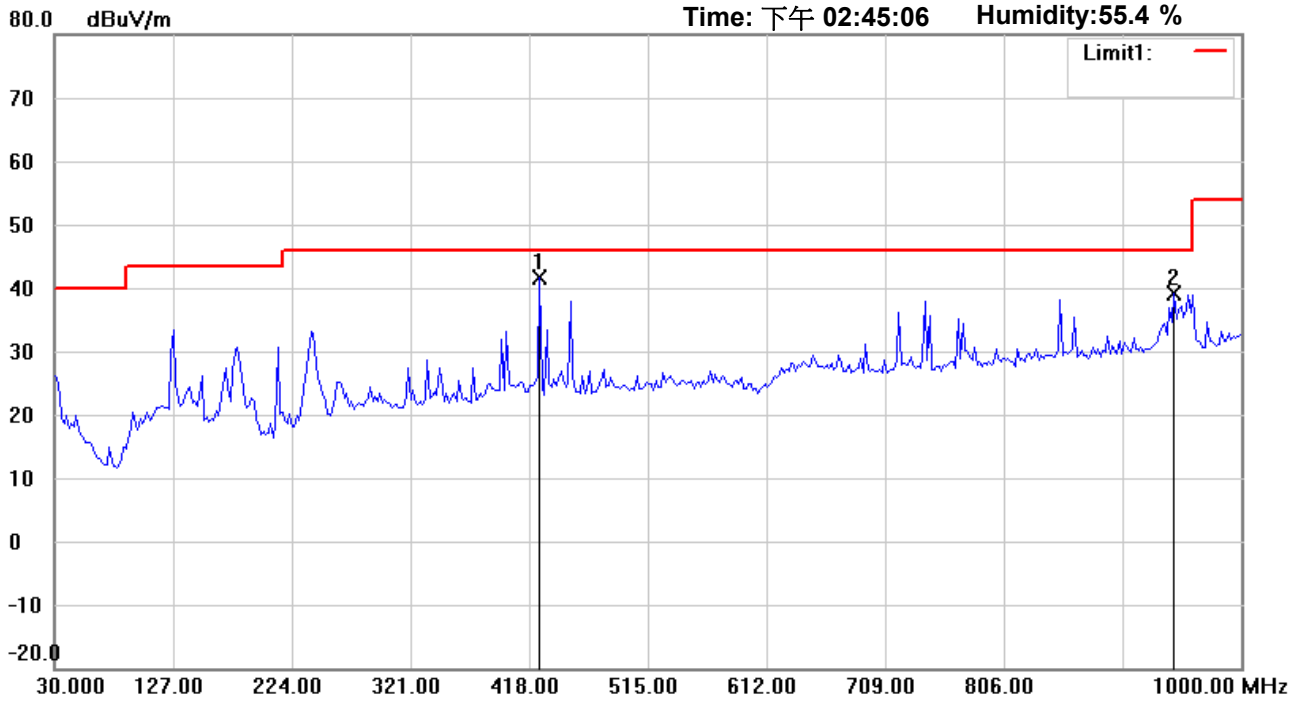
TX

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: Kai

File :1_WiFi 2 | Data :#1 | Date: 2023/6/1 | Time: 下午 02:45:06 | Temperature:25.3 ℃ | Humidity:55.4 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
*	426.5531	45.07	peak	-3.35	41.72	46.00	100	101	-4.28	
	945.5711	34.65	peak	4.46	39.11	46.00	100	85	-6.89	

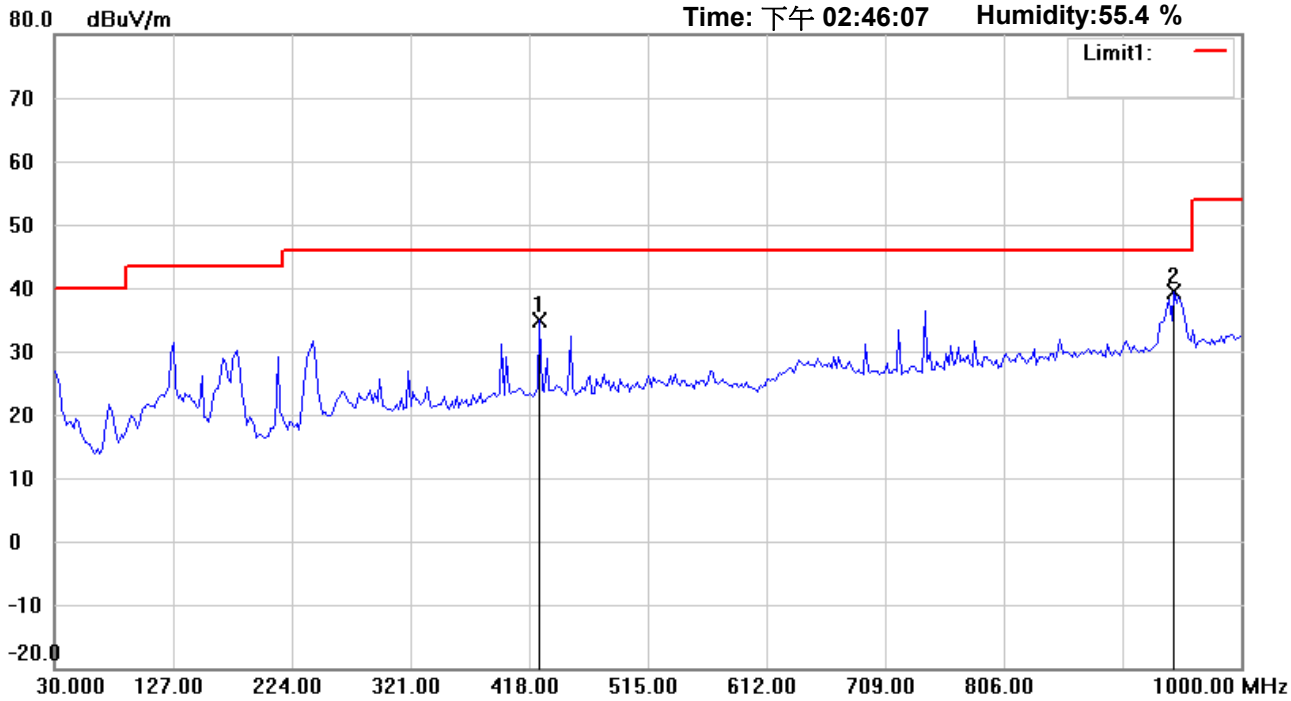
*:Maximum data x:Over limit !:over margin

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: Kai

File :1_WiFi 2 | Data :#2 | Date: 2023/6/1 | Time: 下午 02:46:07 | Temperature:25.3 ℃ | Humidity:55.4 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
	426.5531	38.22	peak	-3.35	34.87	46.00	100	158	-11.13	
*	945.5711	34.93	peak	4.46	39.39	46.00	100	21	-6.61	

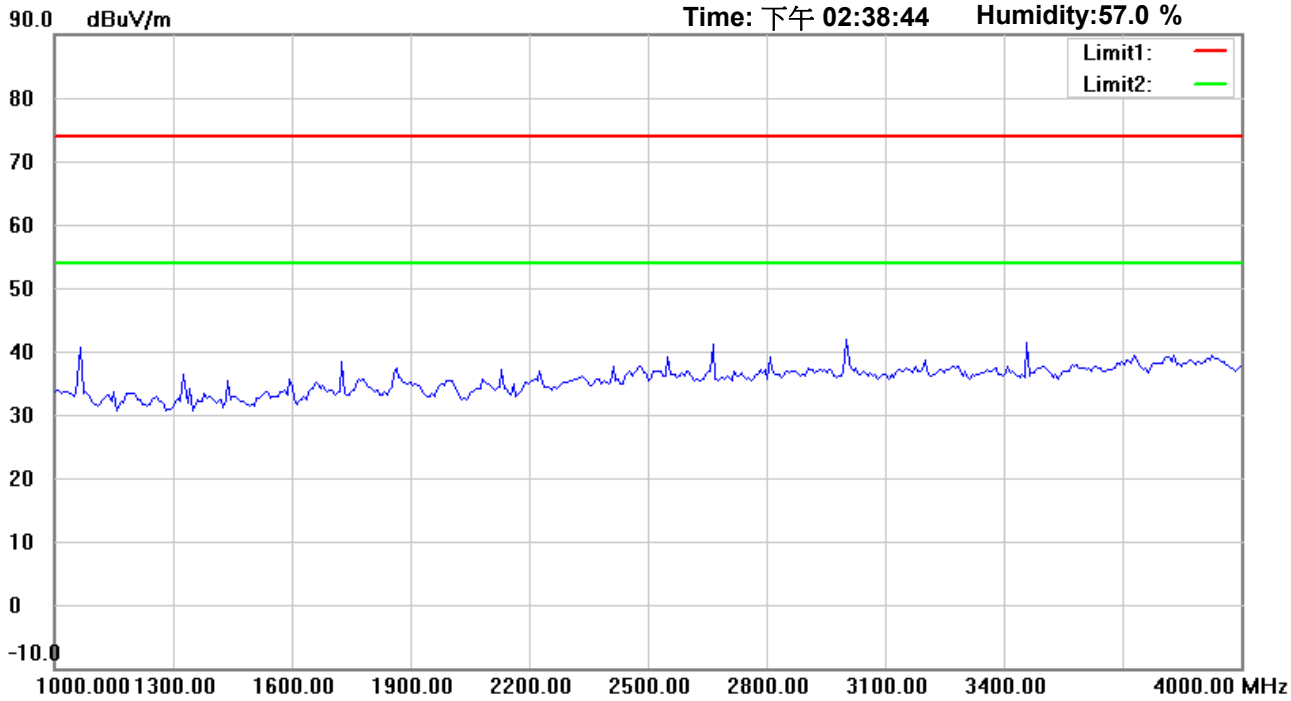
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 02:38:44 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

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

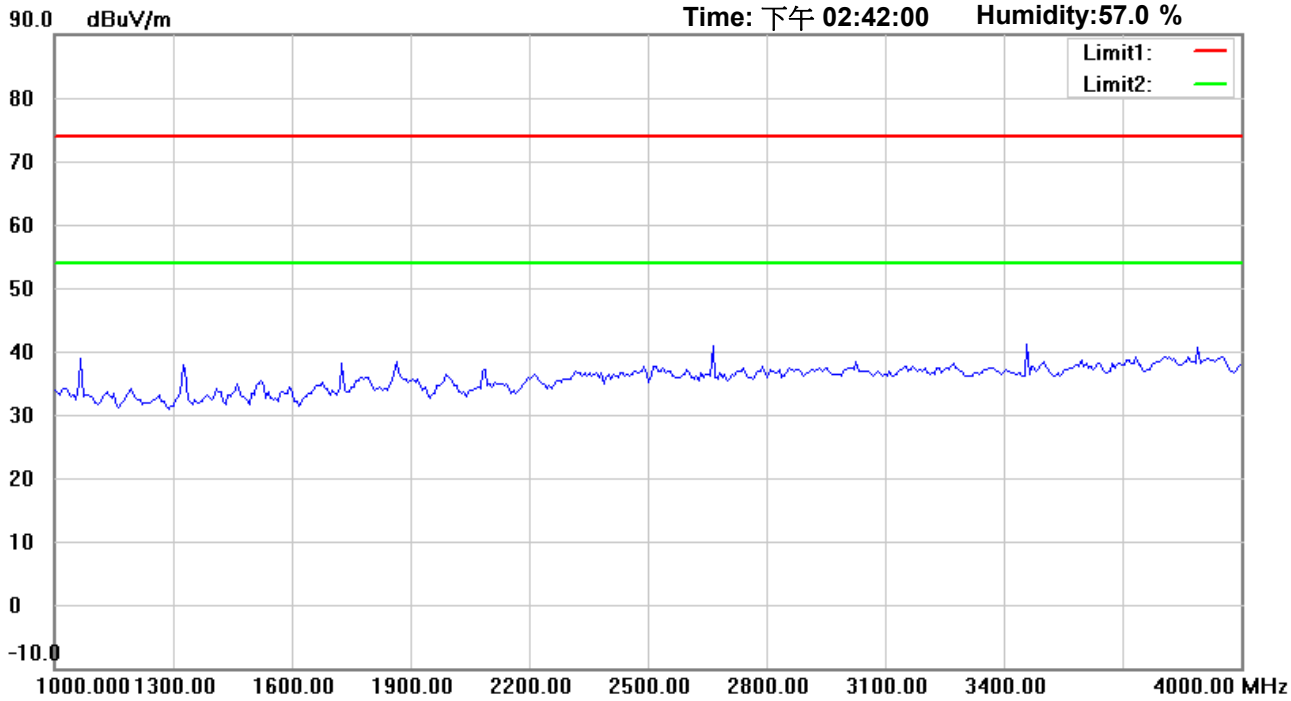
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 02:42:00 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

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

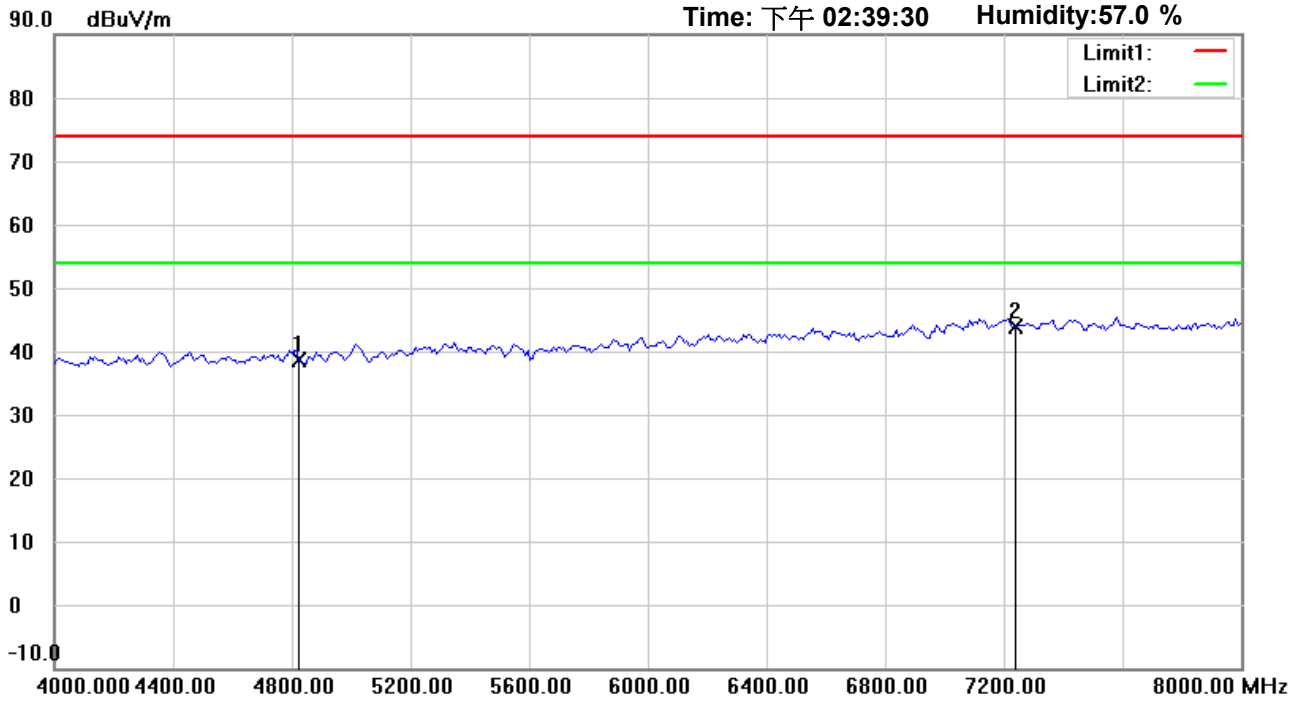
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#2 | Date: 2023/5/24 | Time: 下午 02:39:30 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
	4824.000	40.37	peak	-1.65	38.72	74.00	150	188	-35.28	
*	7236.000	40.04	peak	3.93	43.97	74.00	150	52	-30.03	

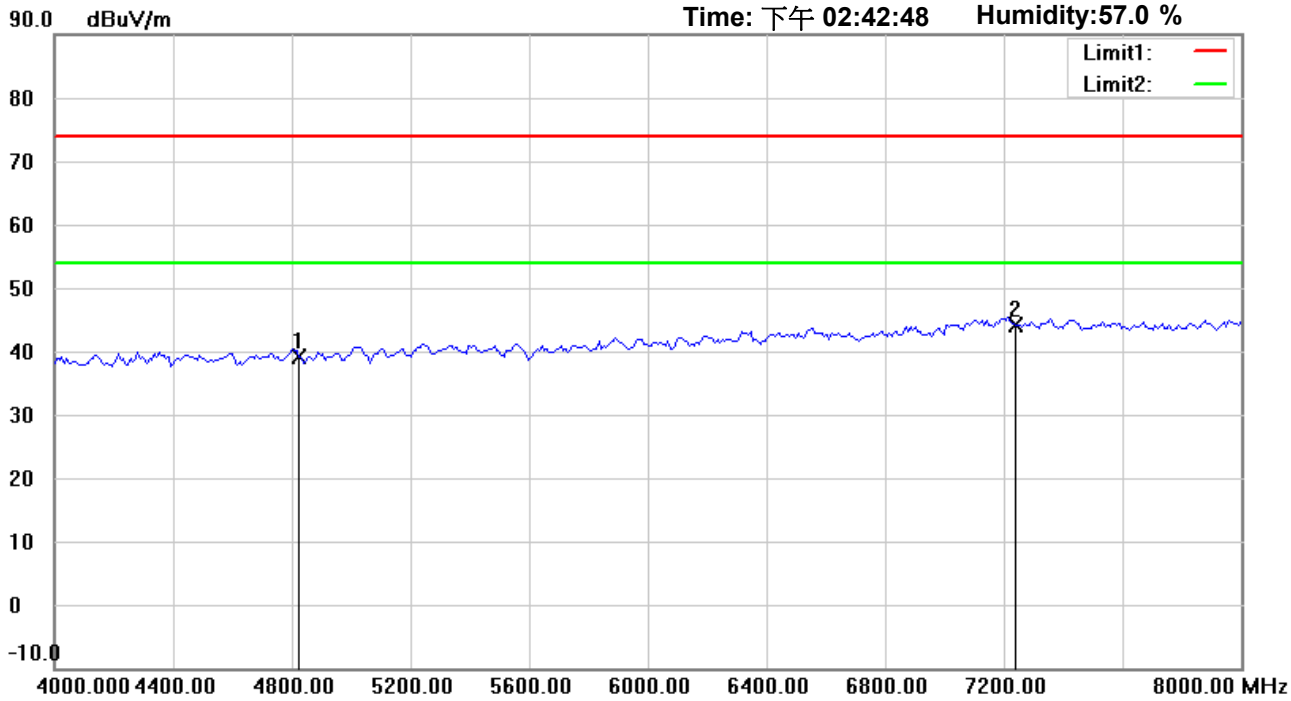
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 02:42:48 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
	4824.000	40.71	peak	-1.65	39.06	74.00	150	211	-34.94	
*	7236.000	40.10	peak	3.93	44.03	74.00	150	65	-29.97	

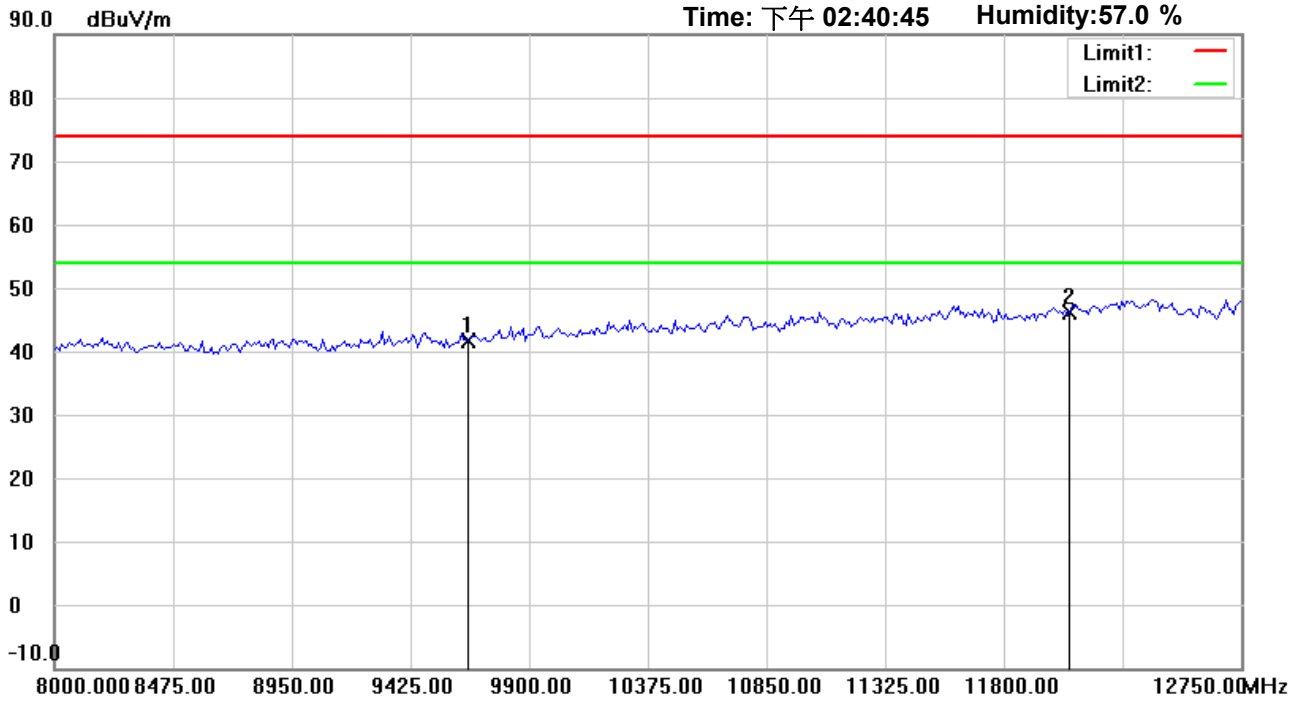
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#3 | Date: 2023/5/24 | Time: 下午 02:40:45 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
	9648.000	34.74	peak	6.81	41.55	74.00	150	211	-32.45	
*	12060.000	33.53	peak	12.53	46.06	74.00	150	35	-27.94	

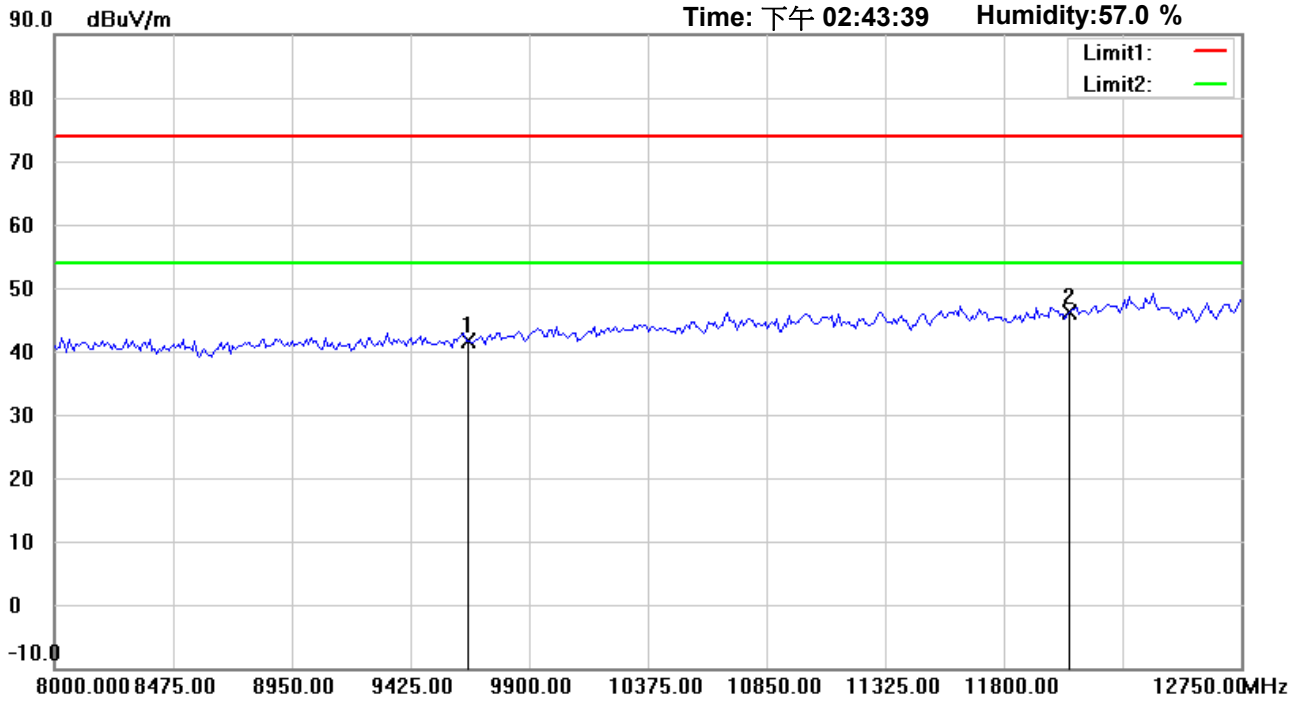
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#8 | Date: 2023/5/24 | Time: 下午 02:43:39 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
	9648.000	34.80	peak	6.81	41.61	74.00	150	115	-32.39	
*	12060.000	33.57	peak	12.53	46.10	74.00	150	29	-27.90	

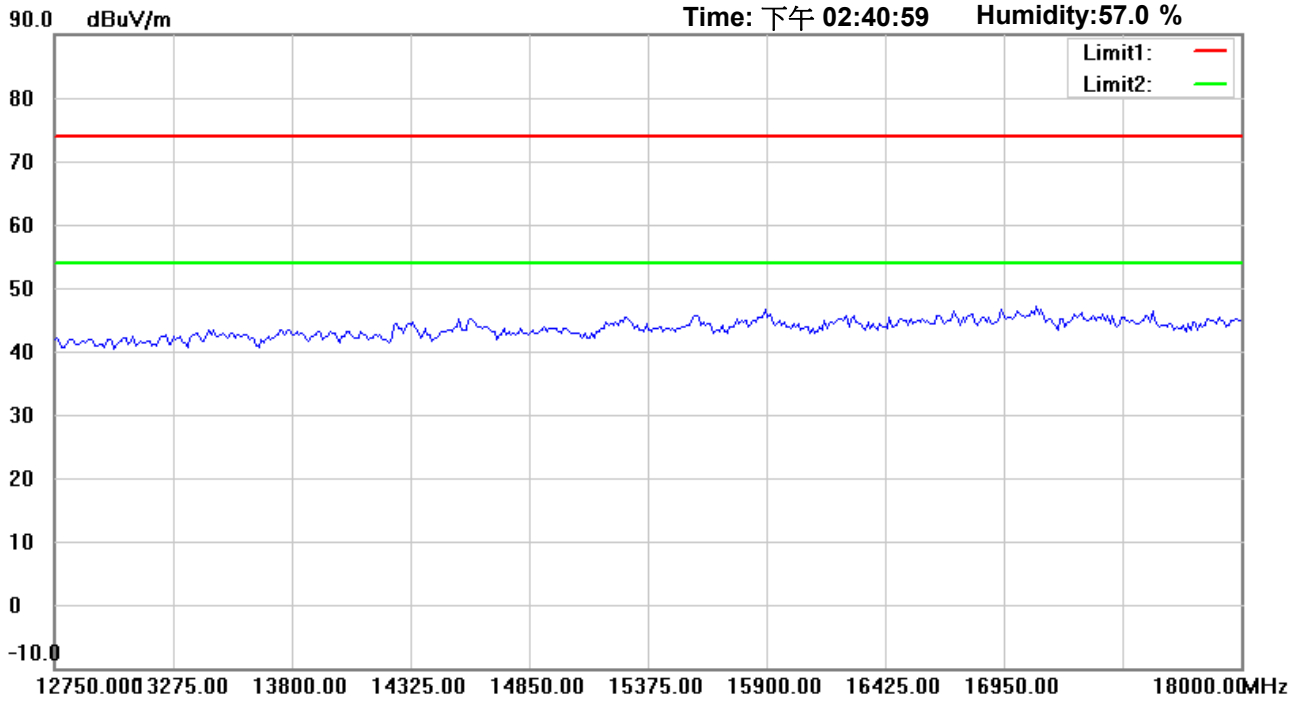
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 02:40:59 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

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

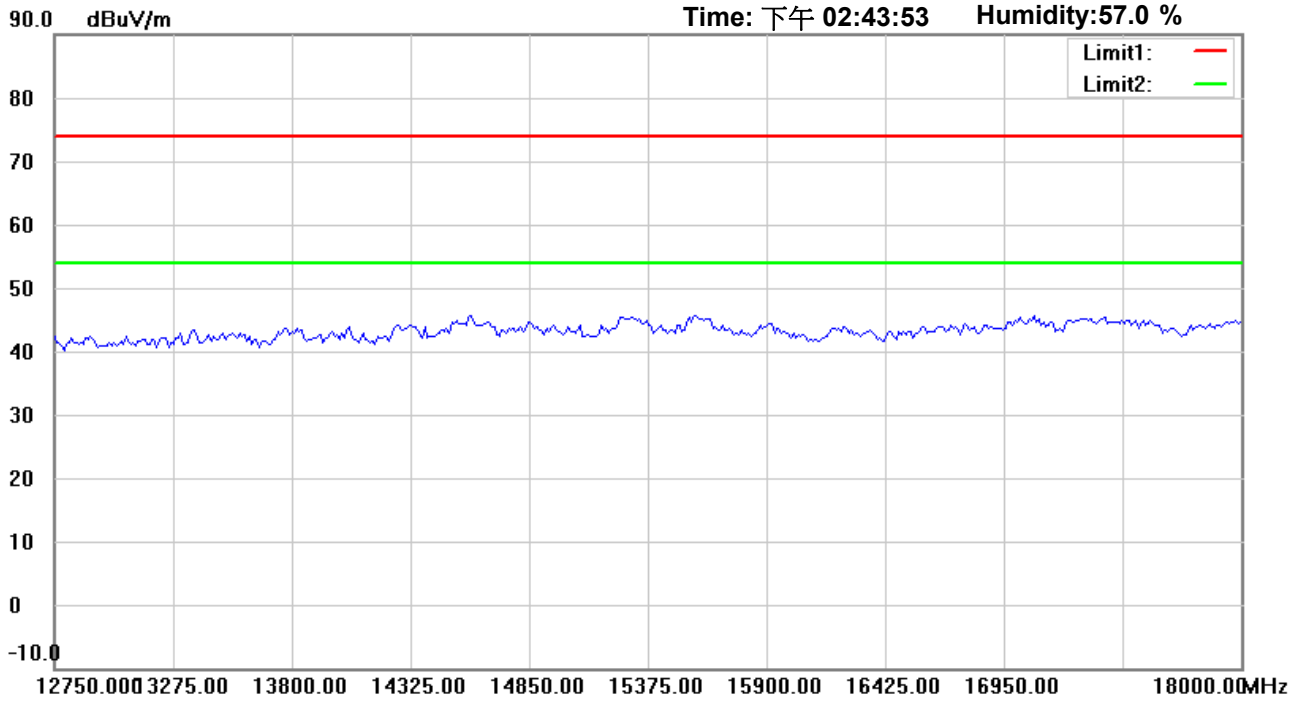
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 02:43:53 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

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

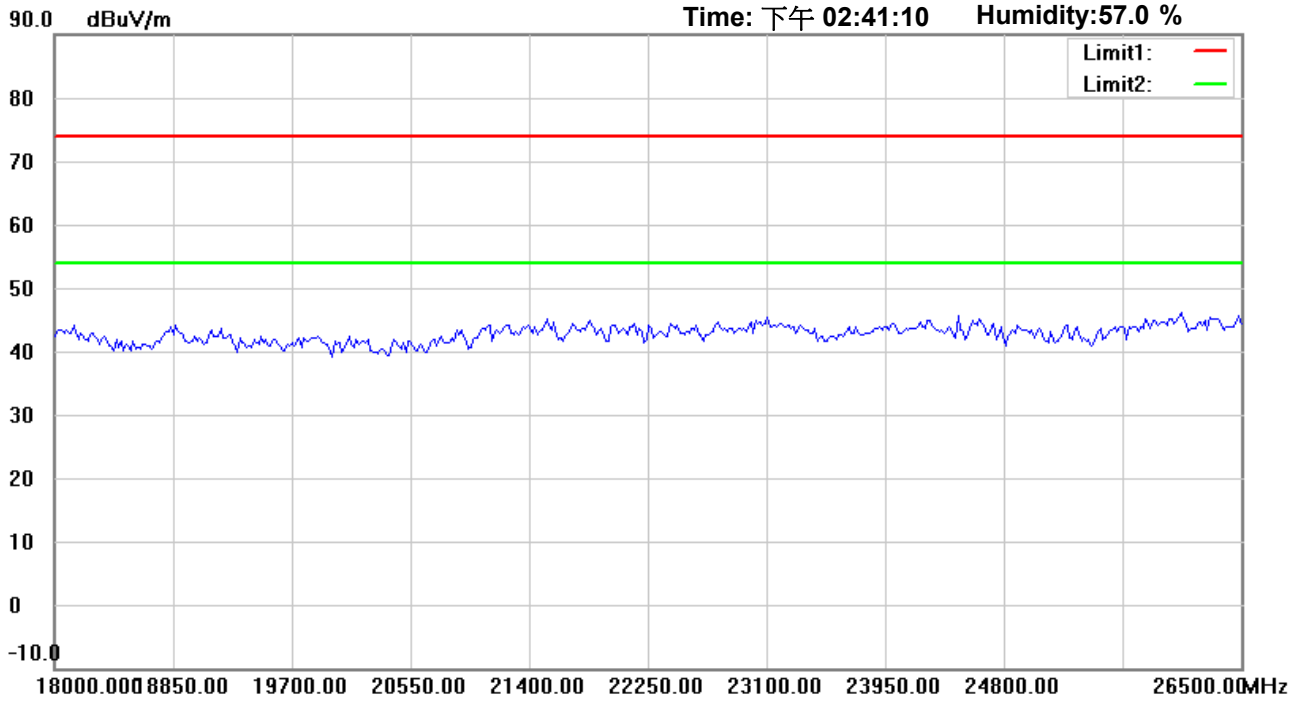
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 02:41:10 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

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

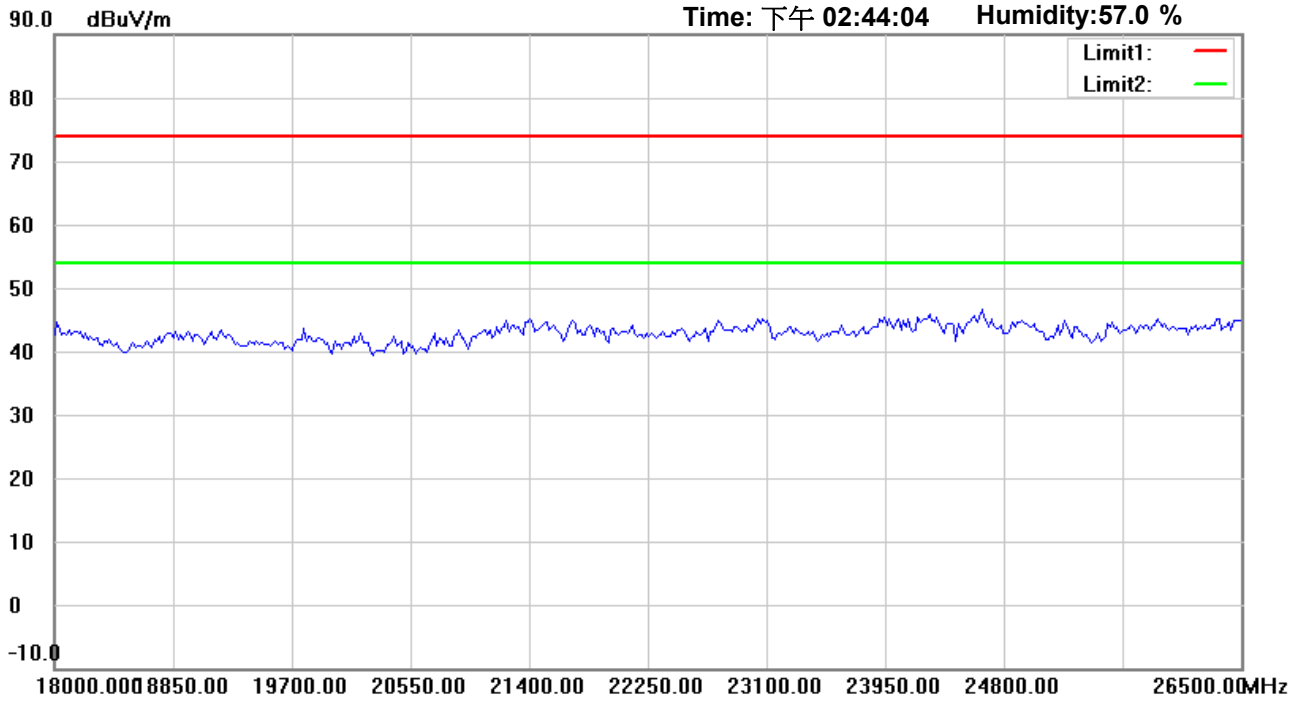
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 02:44:04 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

Note :

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

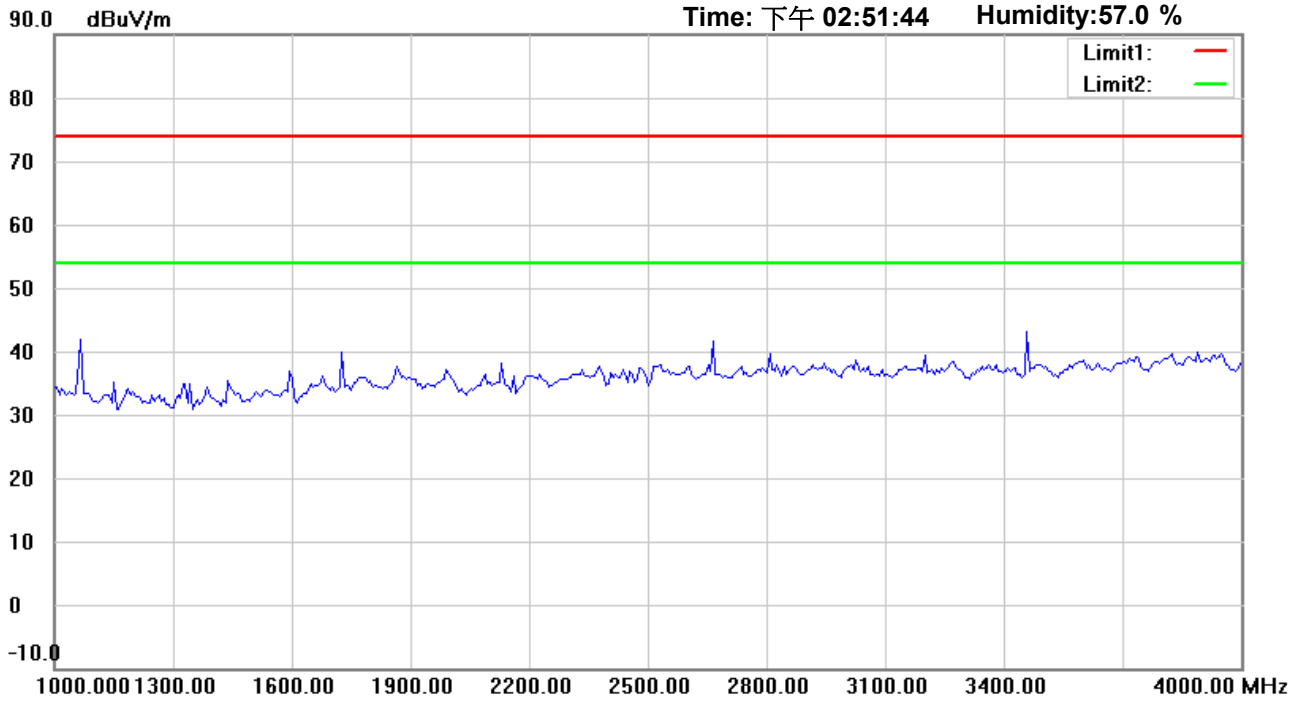
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 02:51:44 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

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

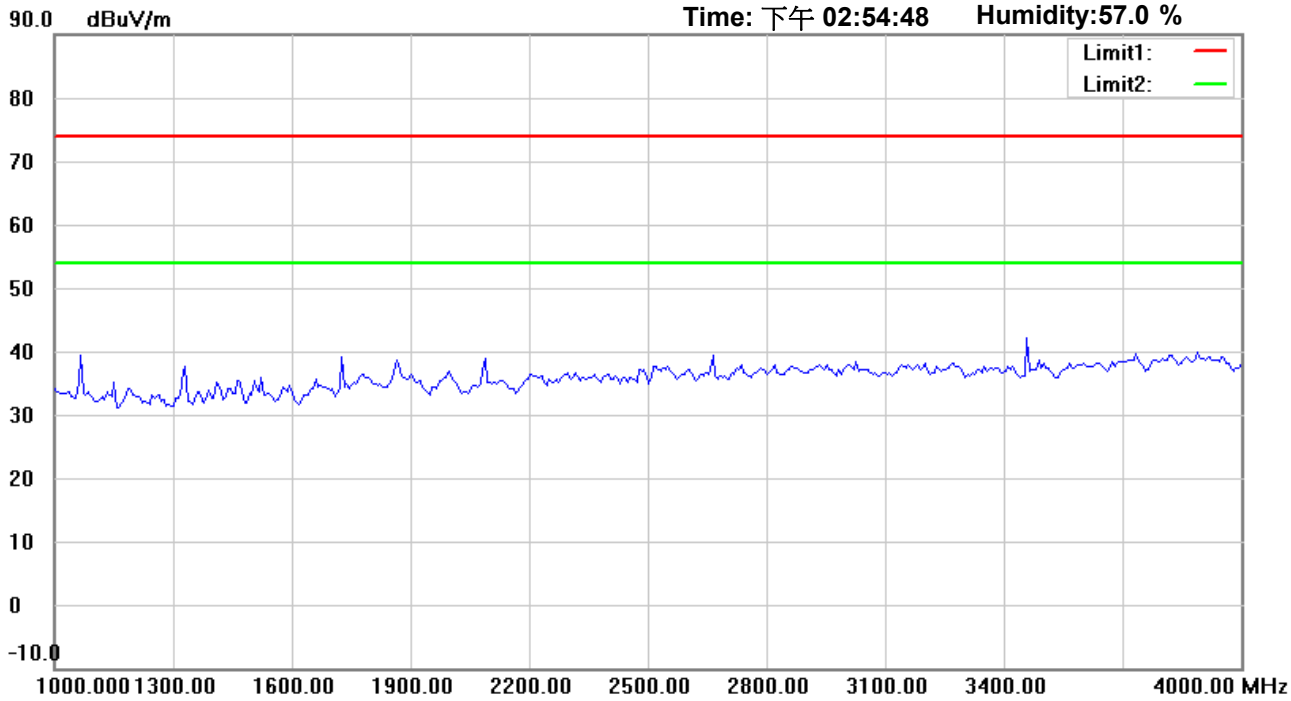
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 02:54:48 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

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

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

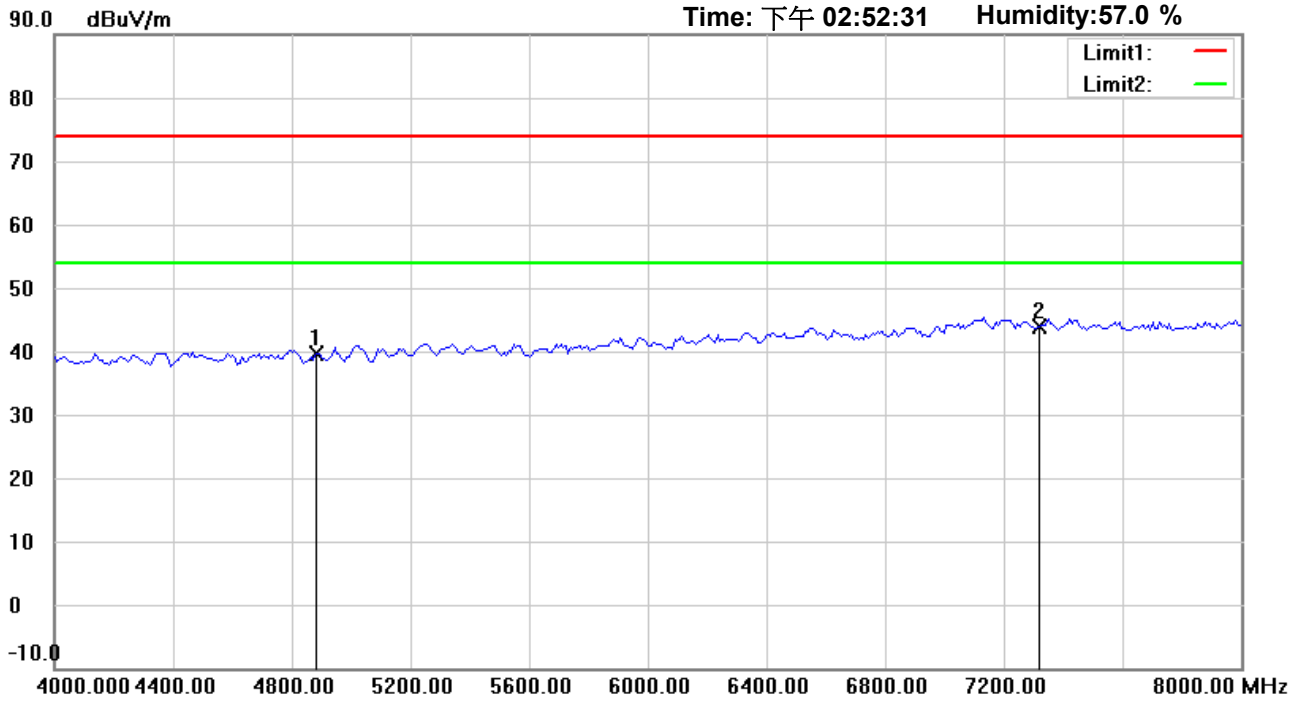
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2023/5/24 Time: 下午 02:52:31

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

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
	4874.000	41.17	peak	-1.43	39.74	74.00	150	133	-34.26	
*	7311.000	40.16	peak	3.82	43.98	74.00	150	63	-30.02	

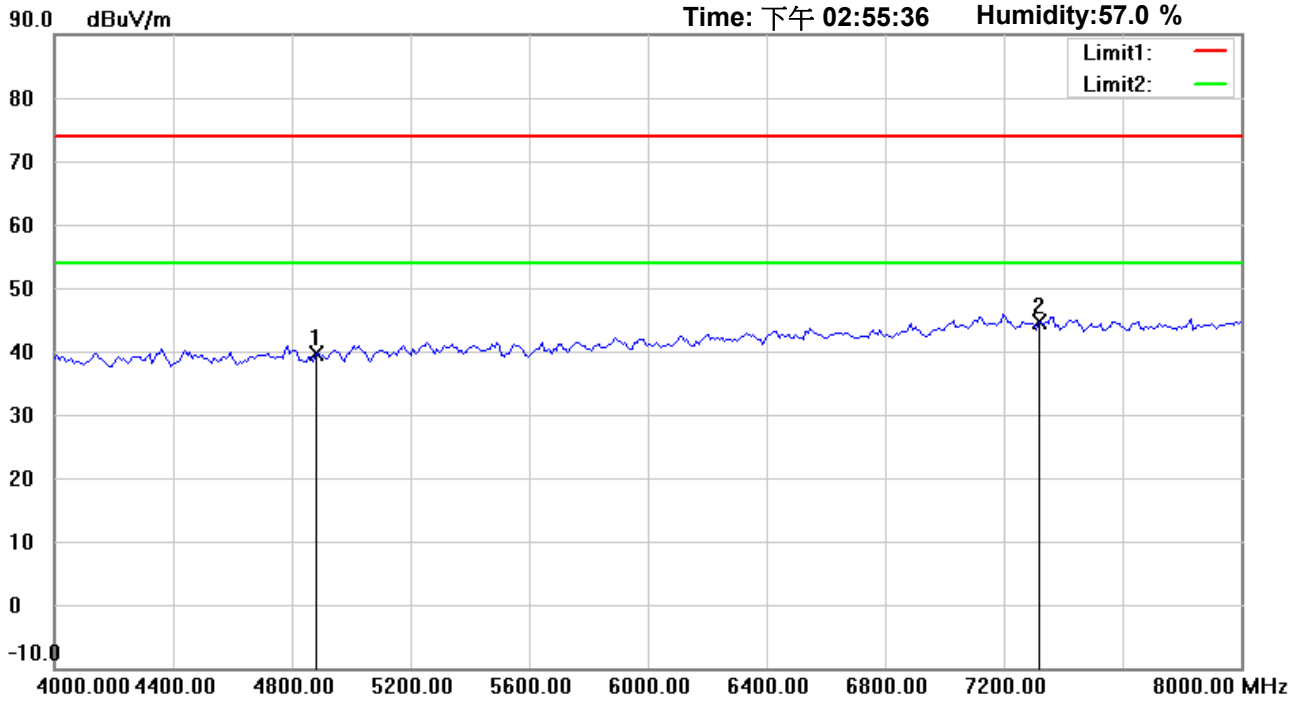
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 02:55:36 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

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
	4874.000	41.09	peak	-1.43	39.66	74.00	150	211	-34.34	
*	7311.000	40.88	peak	3.82	44.70	74.00	150	78	-29.30	

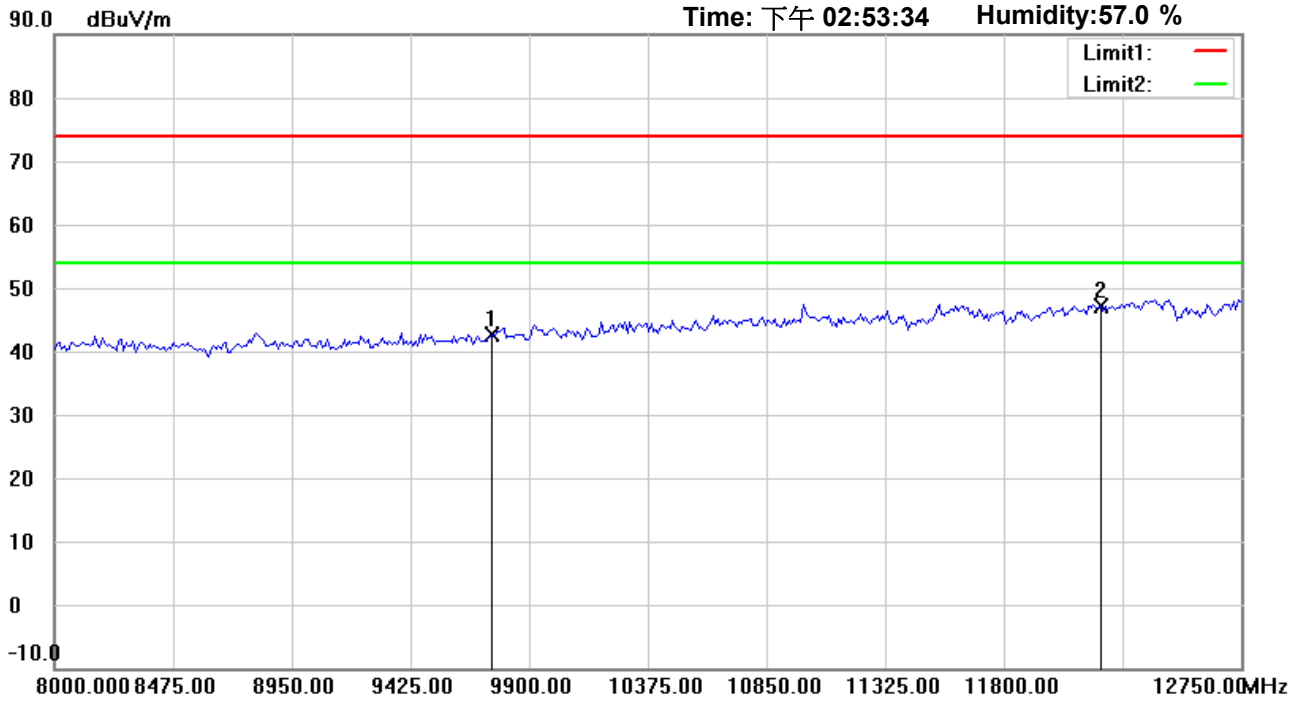
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#3 | Date: 2023/5/24 | Time: 下午 02:53:34 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

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
	9748.000	35.55	peak	6.98	42.53	74.00	150	61	-31.47	
*	12185.000	33.58	peak	13.49	47.07	74.00	150	208	-26.93	

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

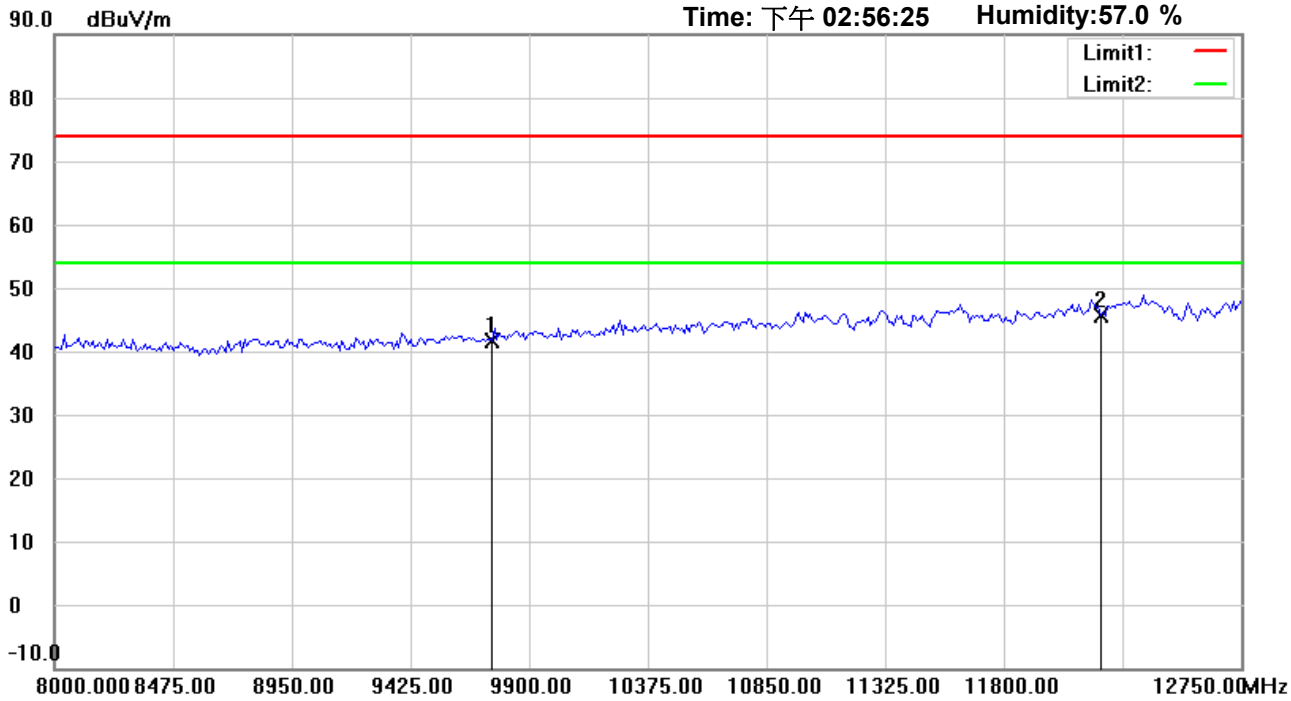
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2023/5/24 Time: 下午 02:56:25

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

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
	9748.000	34.70	peak	6.98	41.68	74.00	150	122	-32.32	
*	12185.000	32.05	peak	13.49	45.54	74.00	150	169	-28.46	

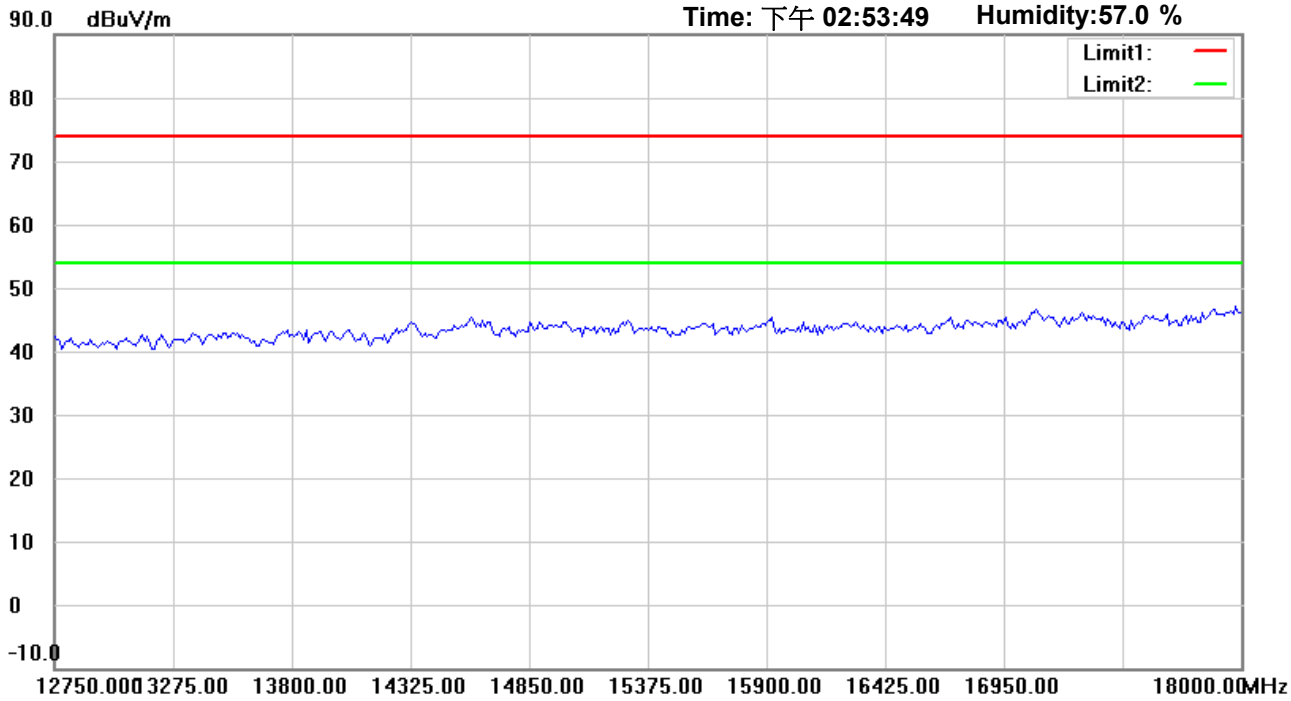
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 02:53:49 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

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

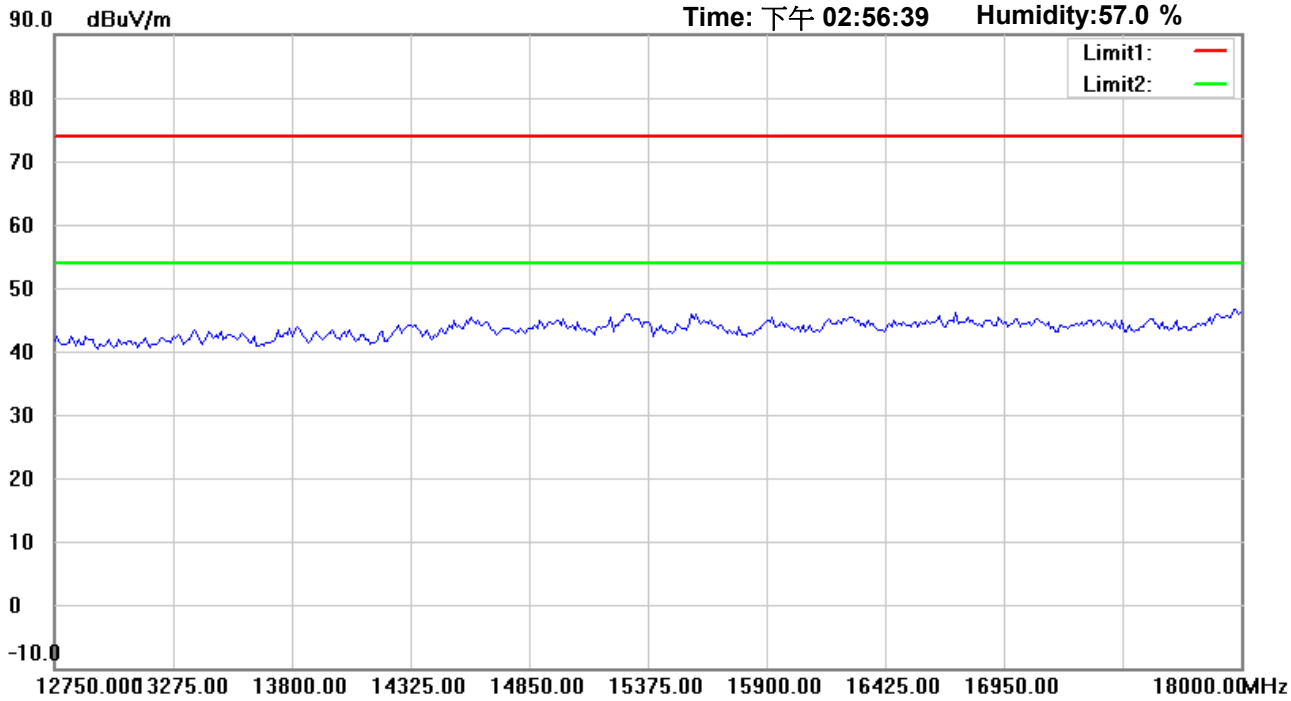
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 02:56:39 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

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

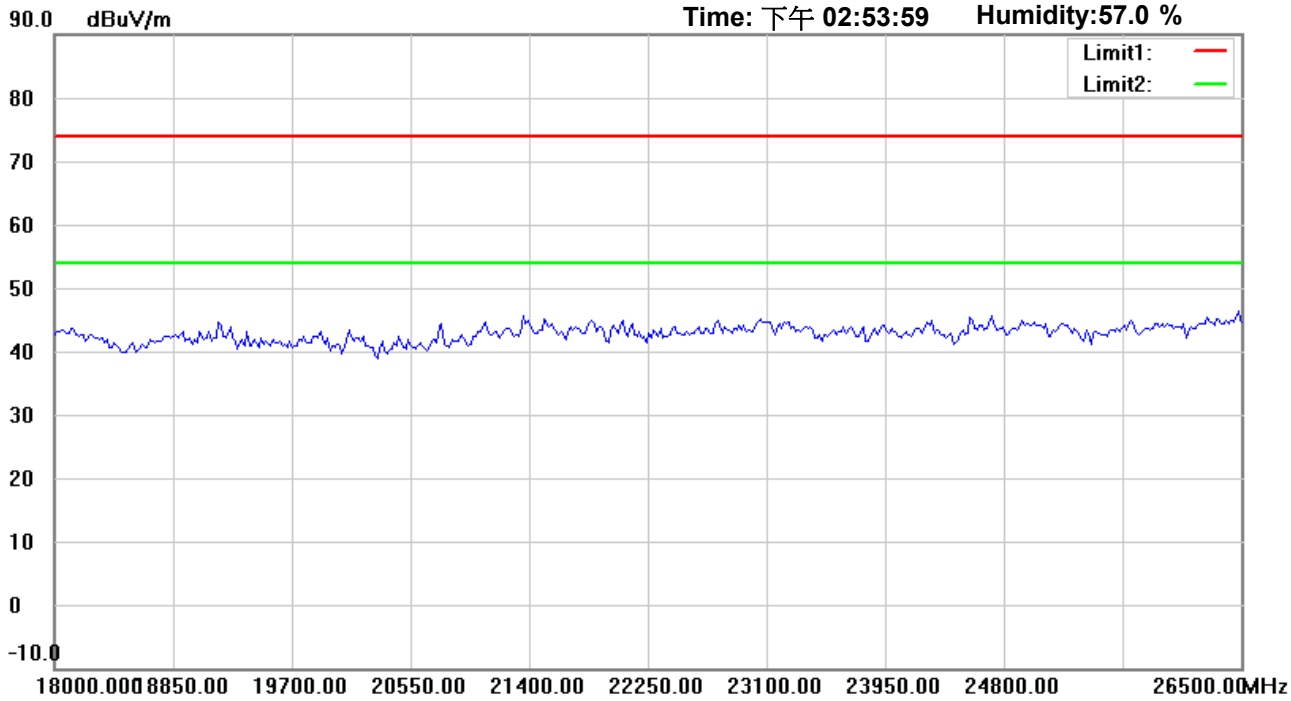
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 02:53:59 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

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

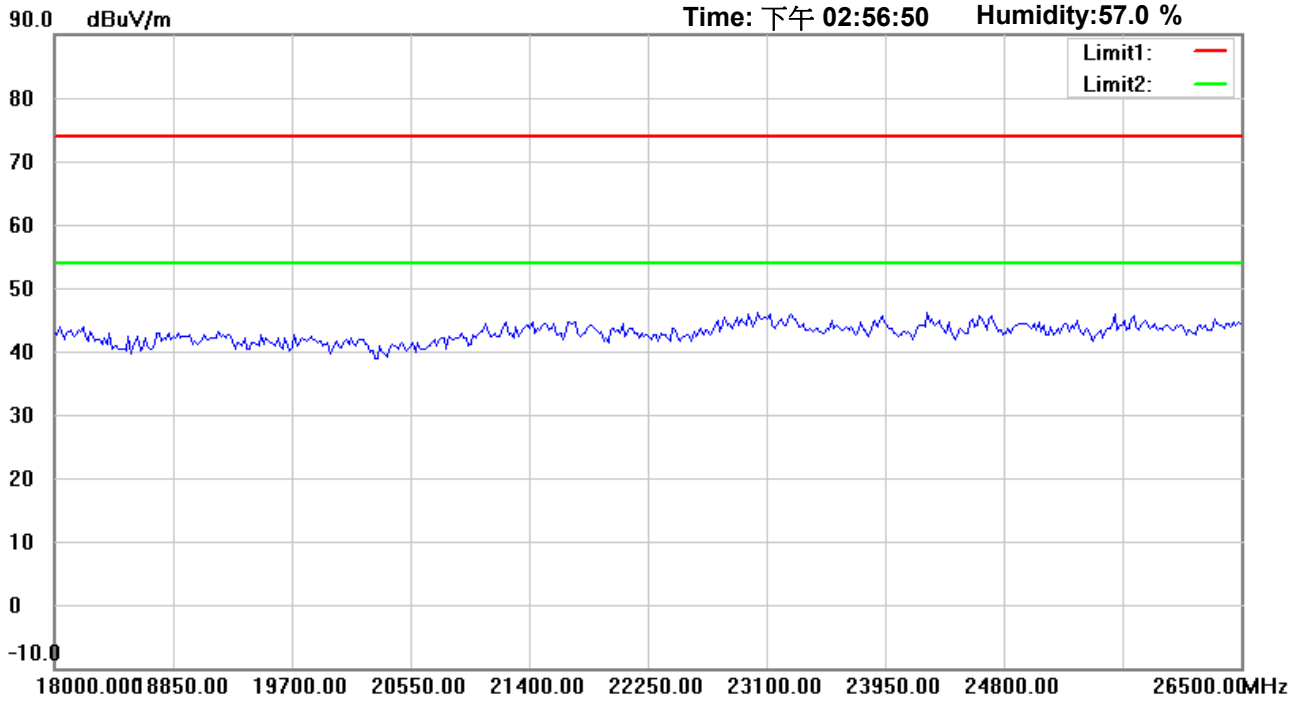
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 02:56:50 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH6

Note :

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

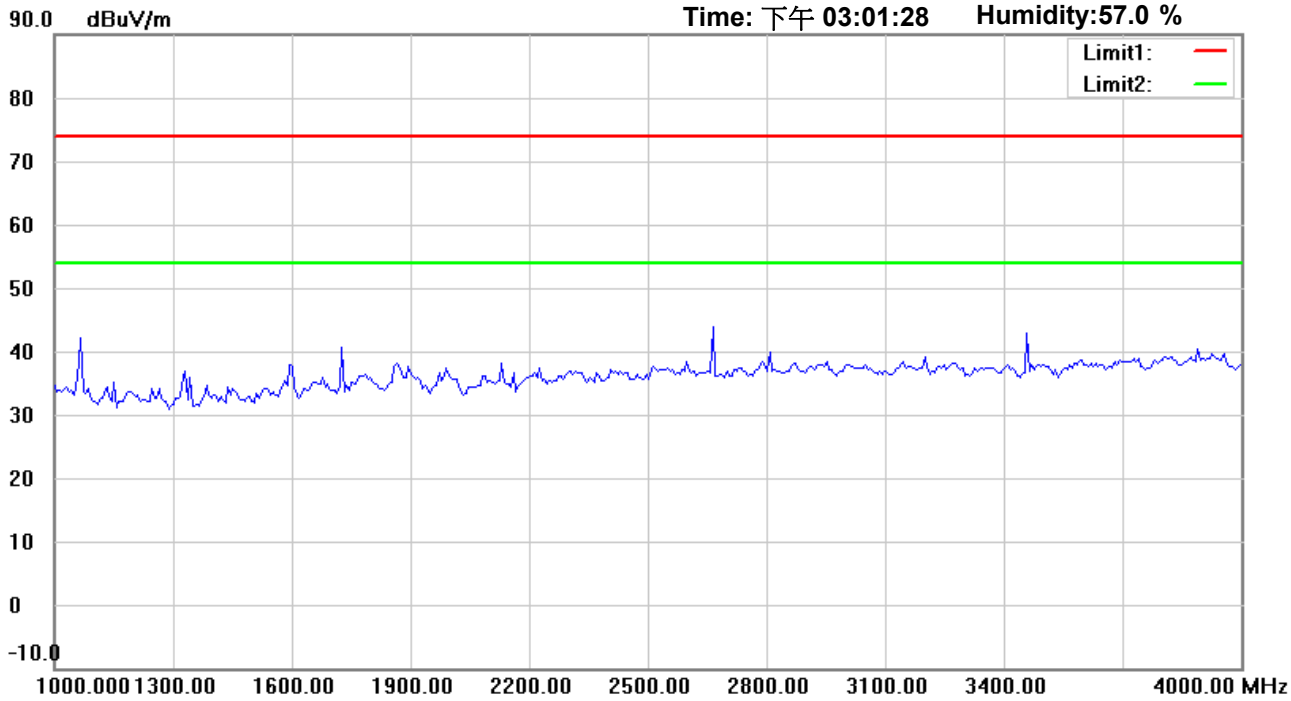
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 03:01:28 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

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

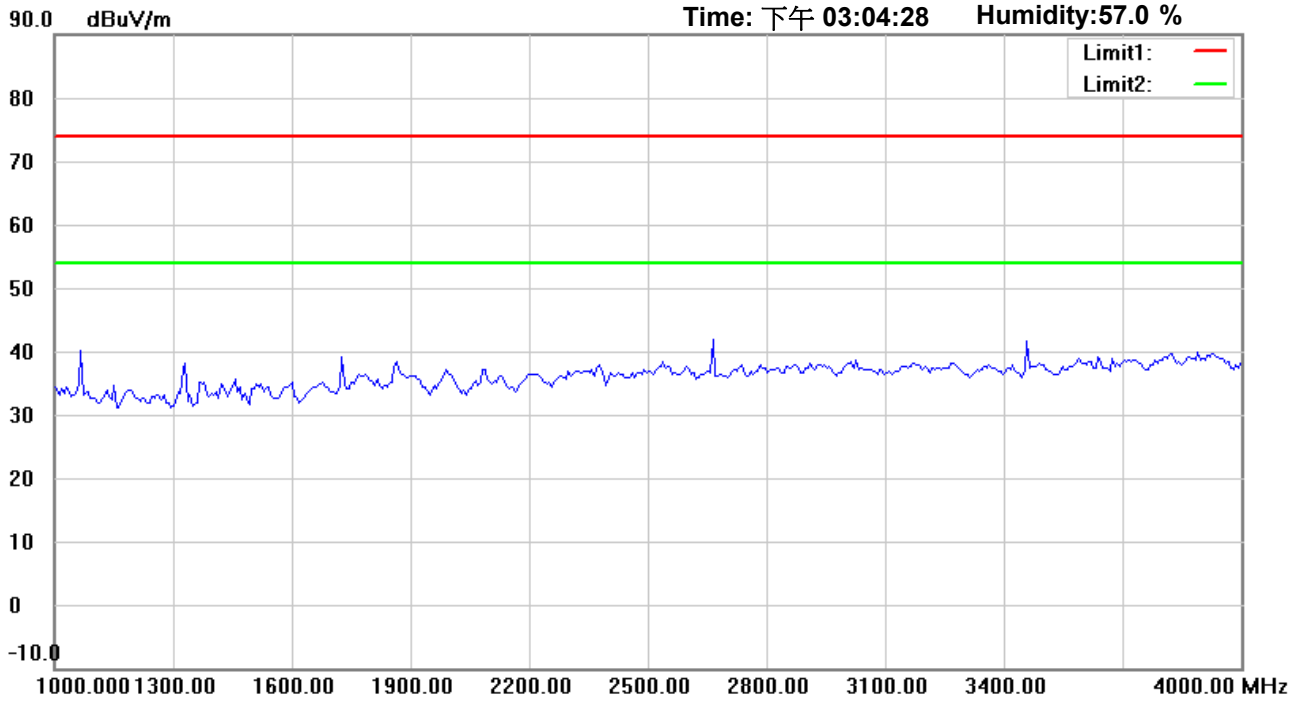
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 03:04:28 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

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

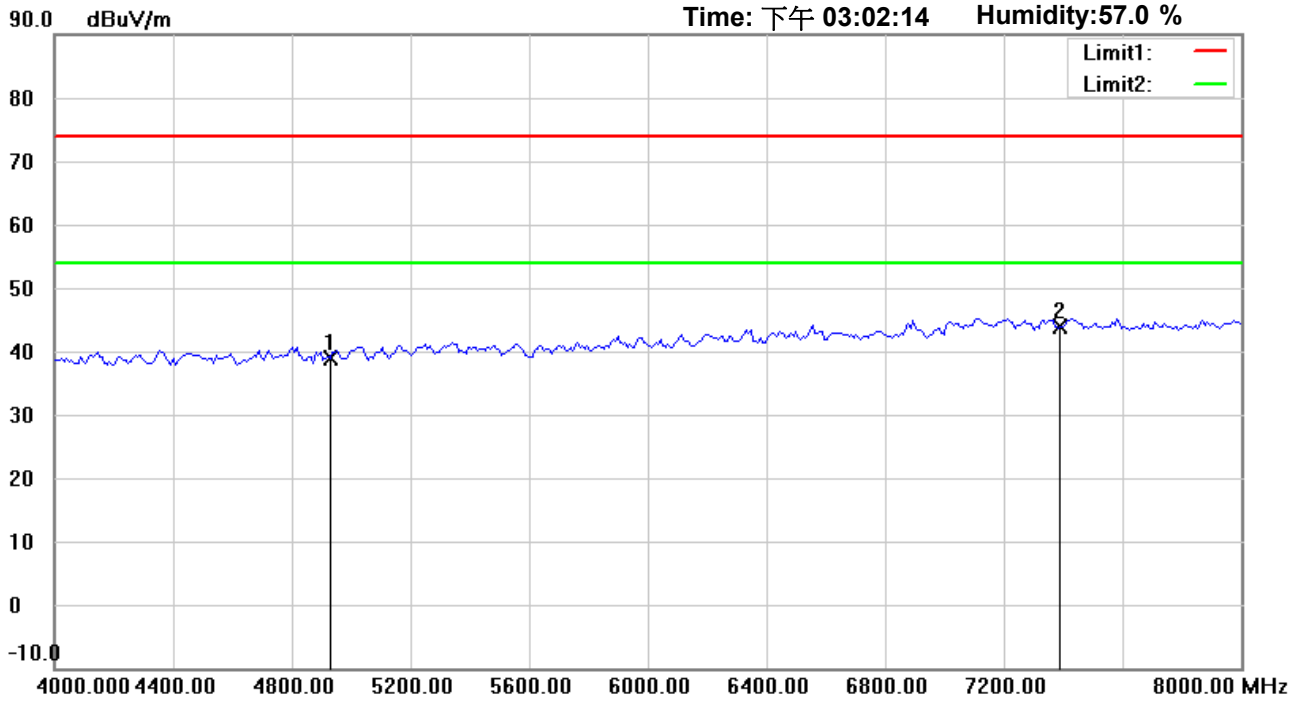
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#2 | Date: 2023/5/24 | Time: 下午 03:02:14 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

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
	4924.000	39.97	peak	-1.11	38.86	74.00	150	217	-35.14	
*	7386.000	39.74	peak	4.06	43.80	74.00	150	74	-30.20	

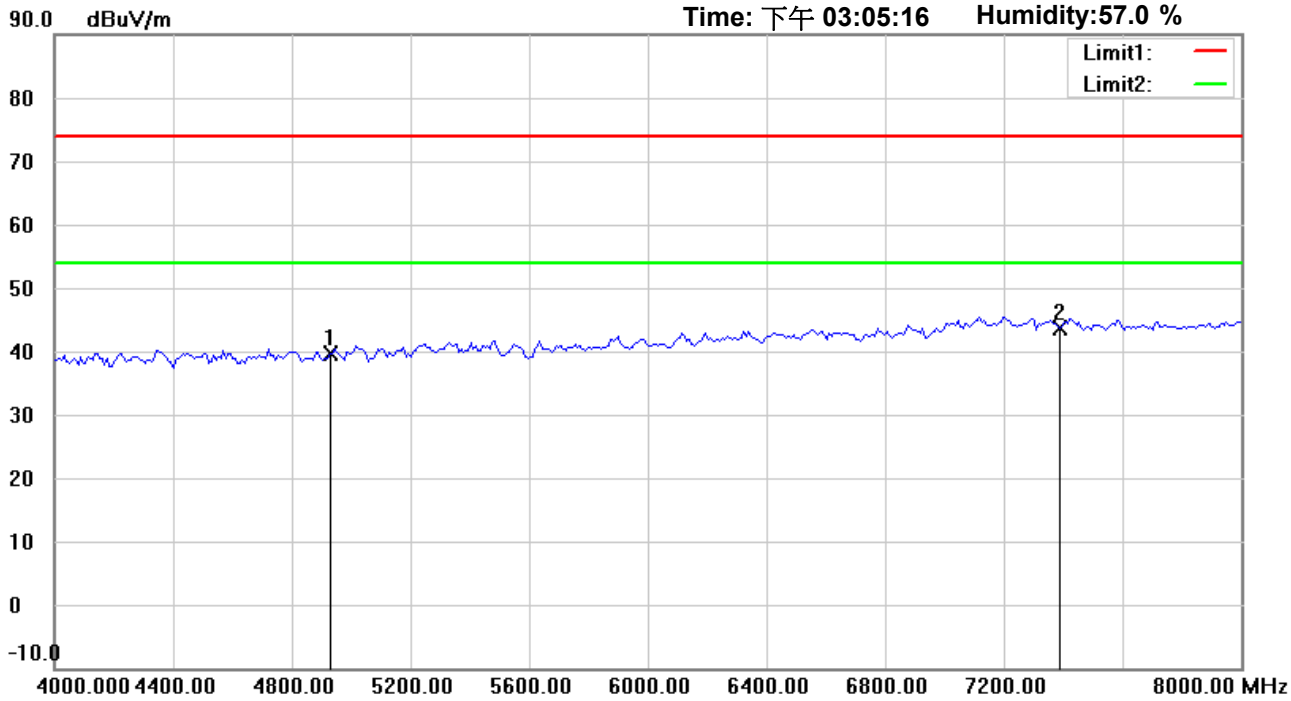
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 03:05:16 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

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
	4924.000	40.68	peak	-1.11	39.57	74.00	150	136	-34.43	
*	7386.000	39.45	peak	4.06	43.51	74.00	150	99	-30.49	

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

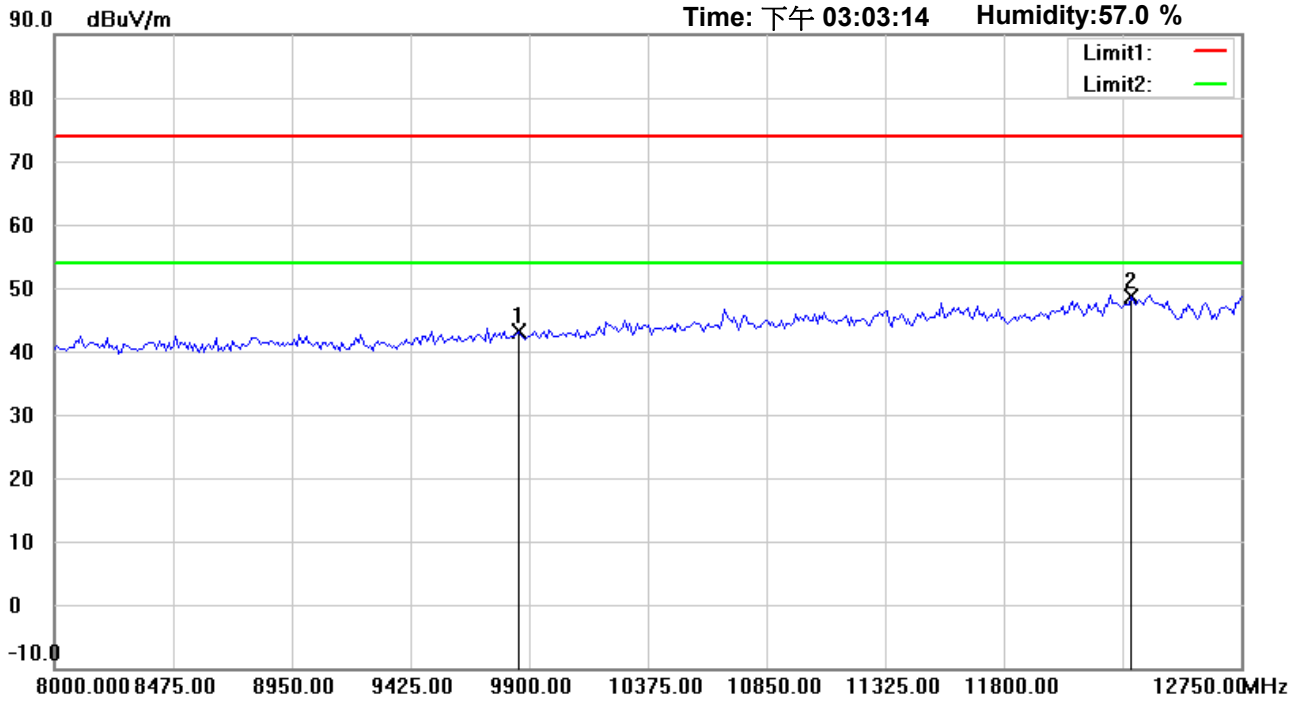
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2023/5/24 Time: 下午 03:03:14

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

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
	9848.000	35.84	peak	7.32	43.16	74.00	150	28	-30.84	
*	12310.000	35.48	peak	13.20	48.68	74.00	150	169	-25.32	

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

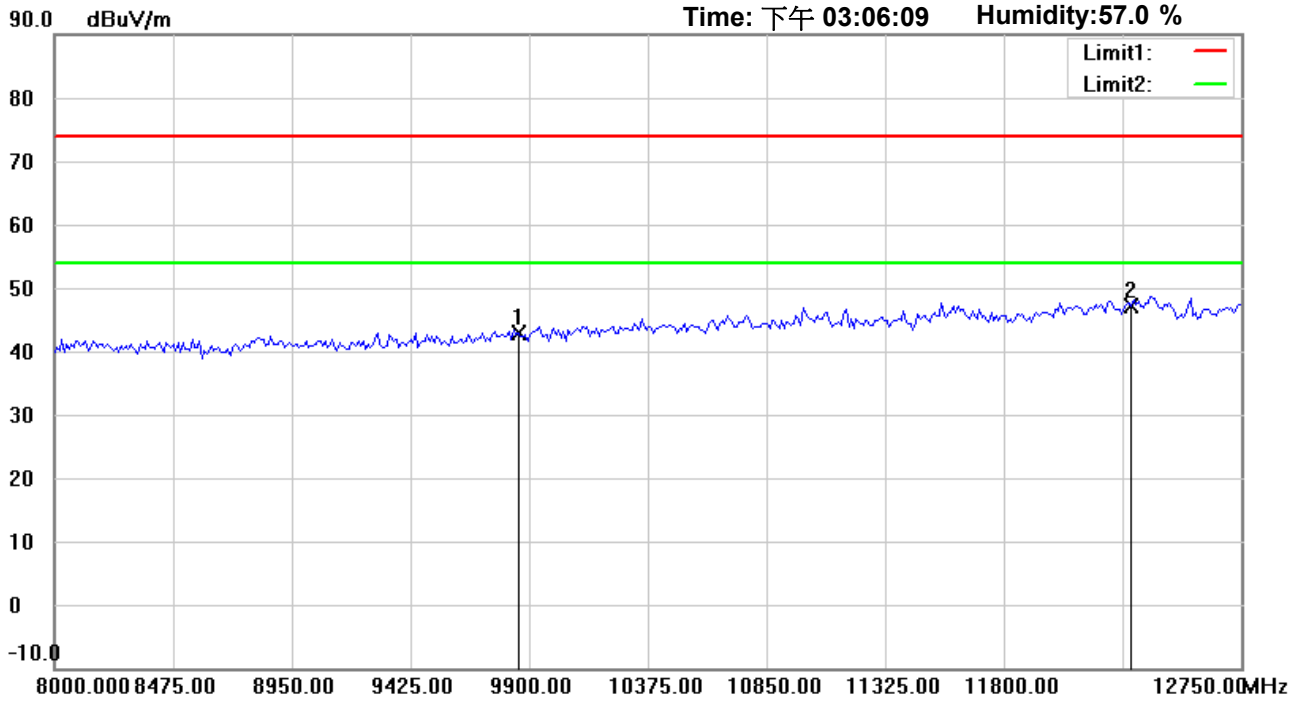
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2023/5/24 Time: 下午 03:06:09

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

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
	9848.000	35.50	peak	7.32	42.82	74.00	150	166	-31.18	
*	12310.000	33.92	peak	13.20	47.12	74.00	150	92	-26.88	

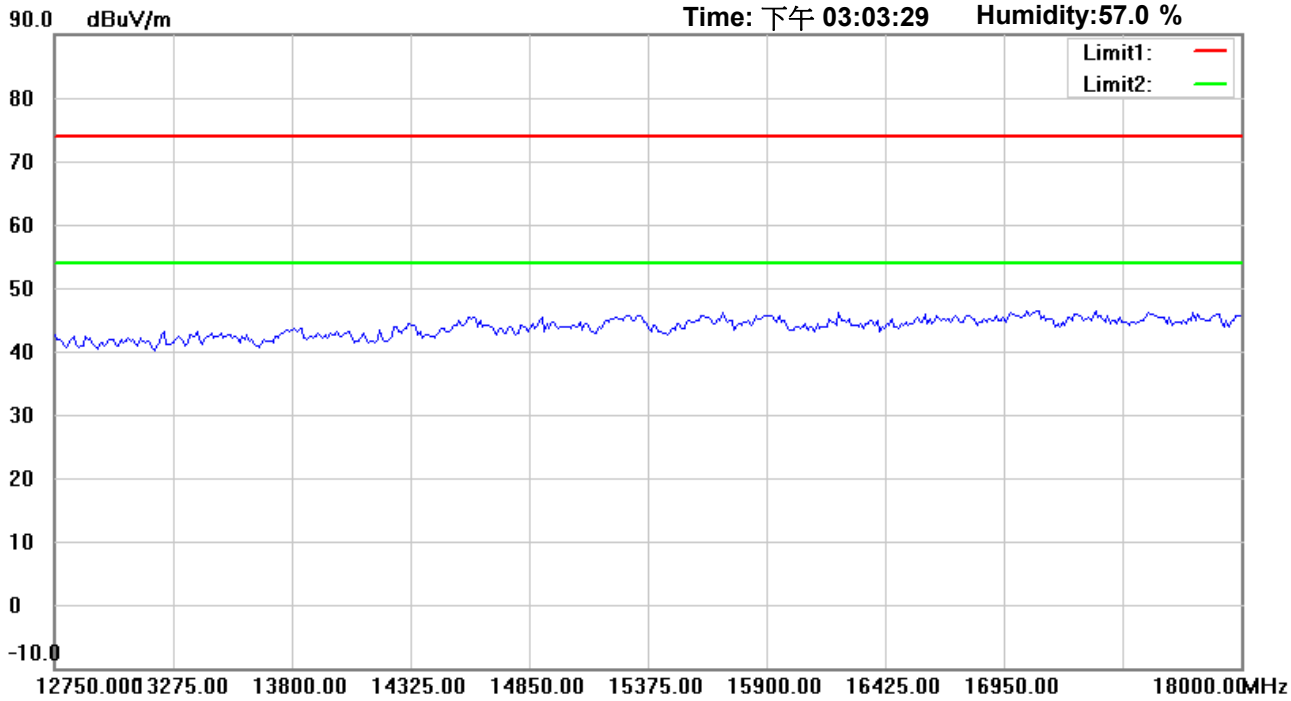
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 03:03:29 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

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

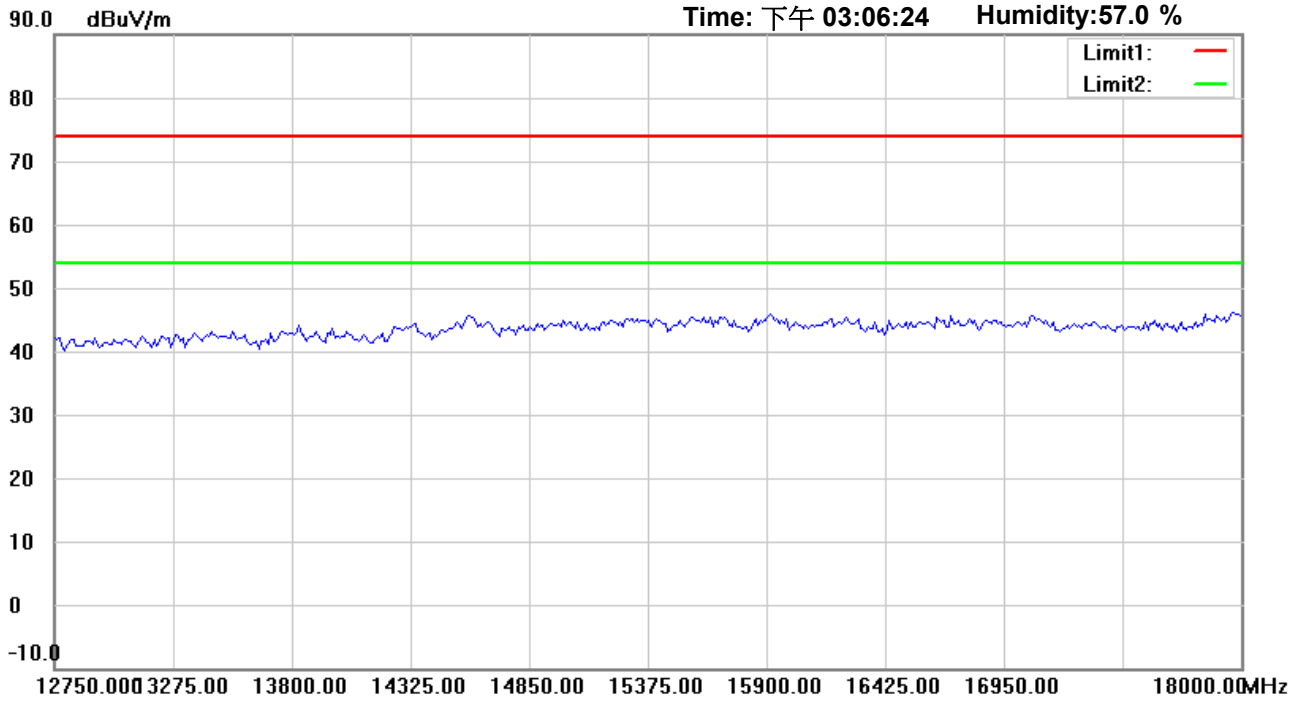
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 03:06:24 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

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

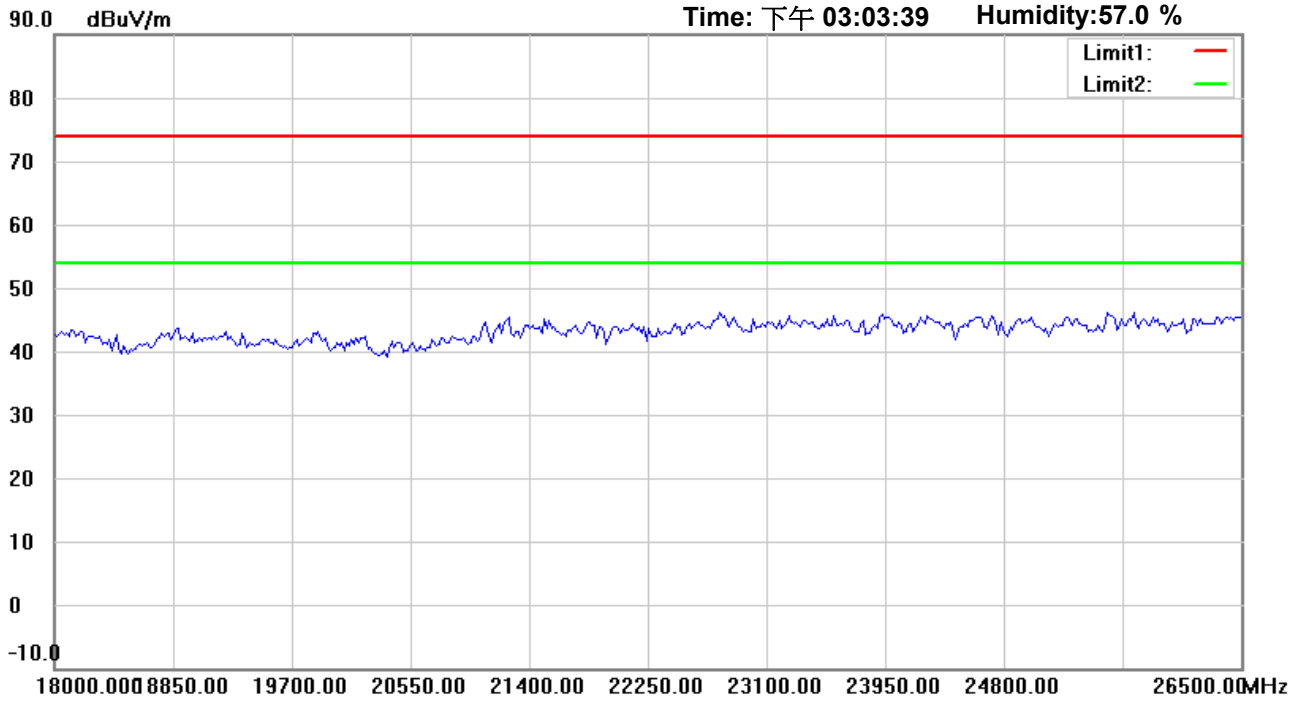
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 03:03:39 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

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

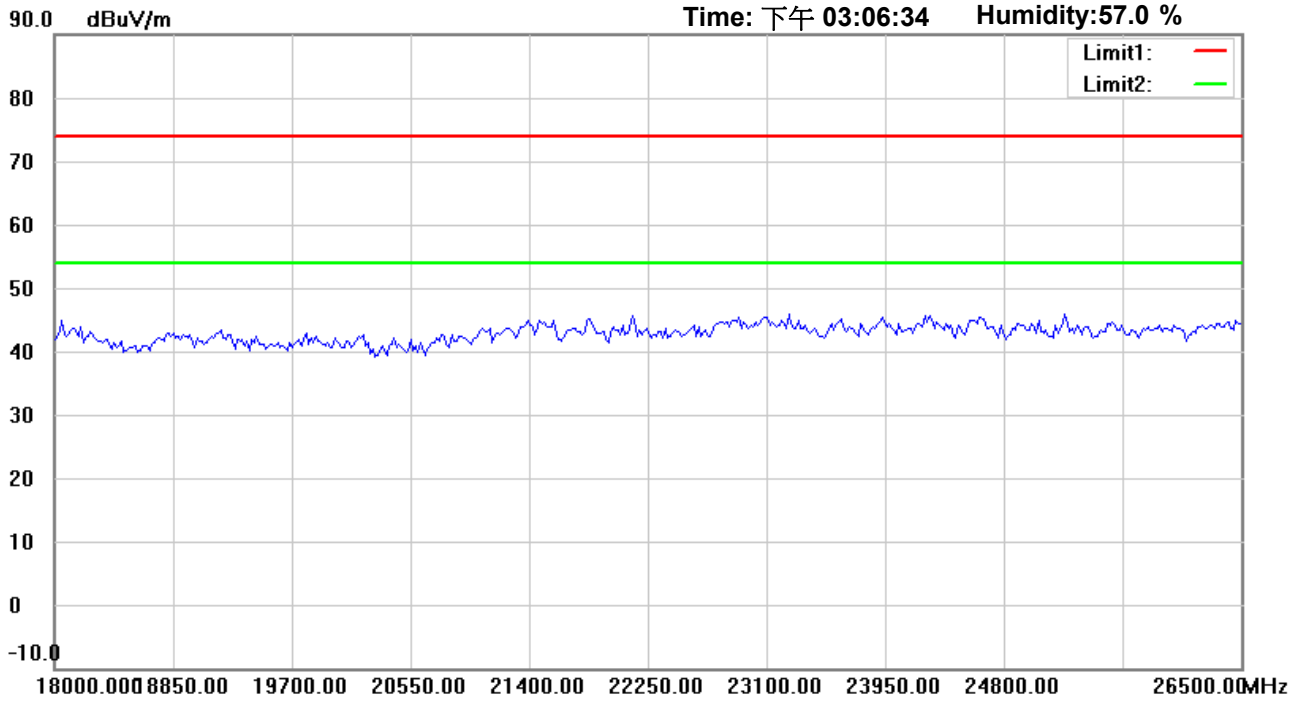
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 03:06:34 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

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

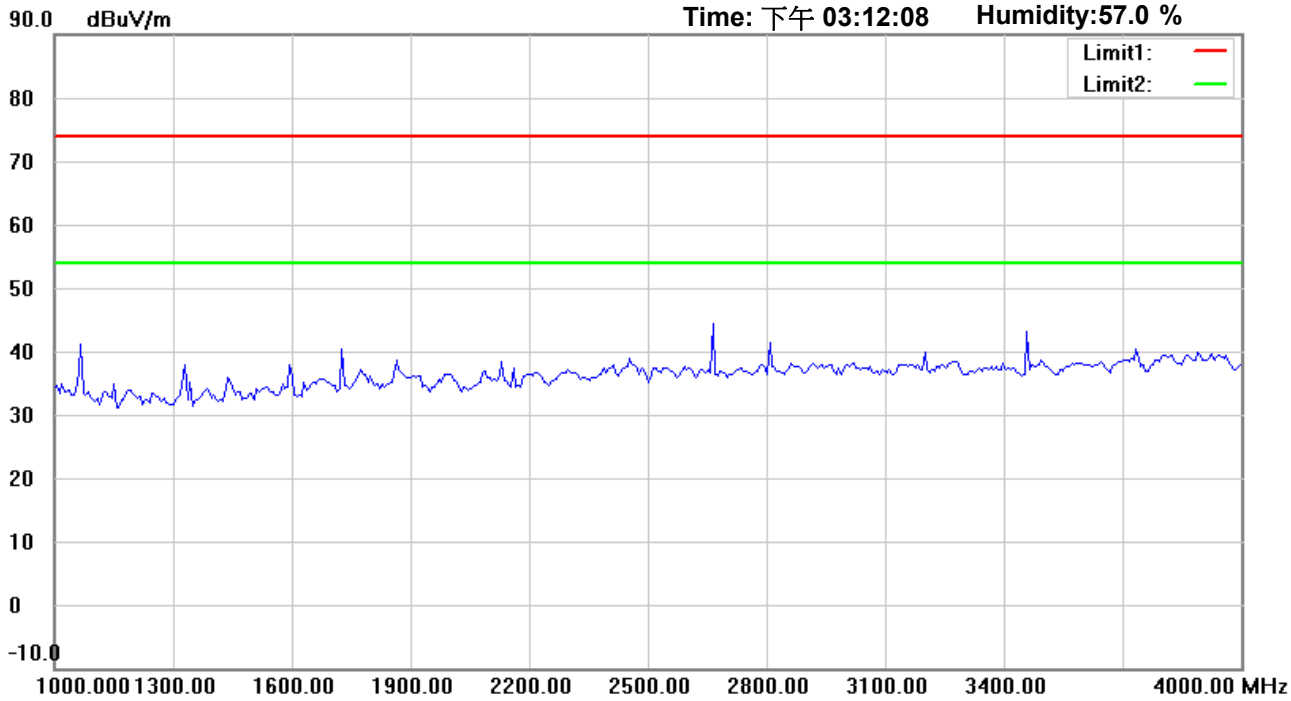
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 03:12:08 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

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

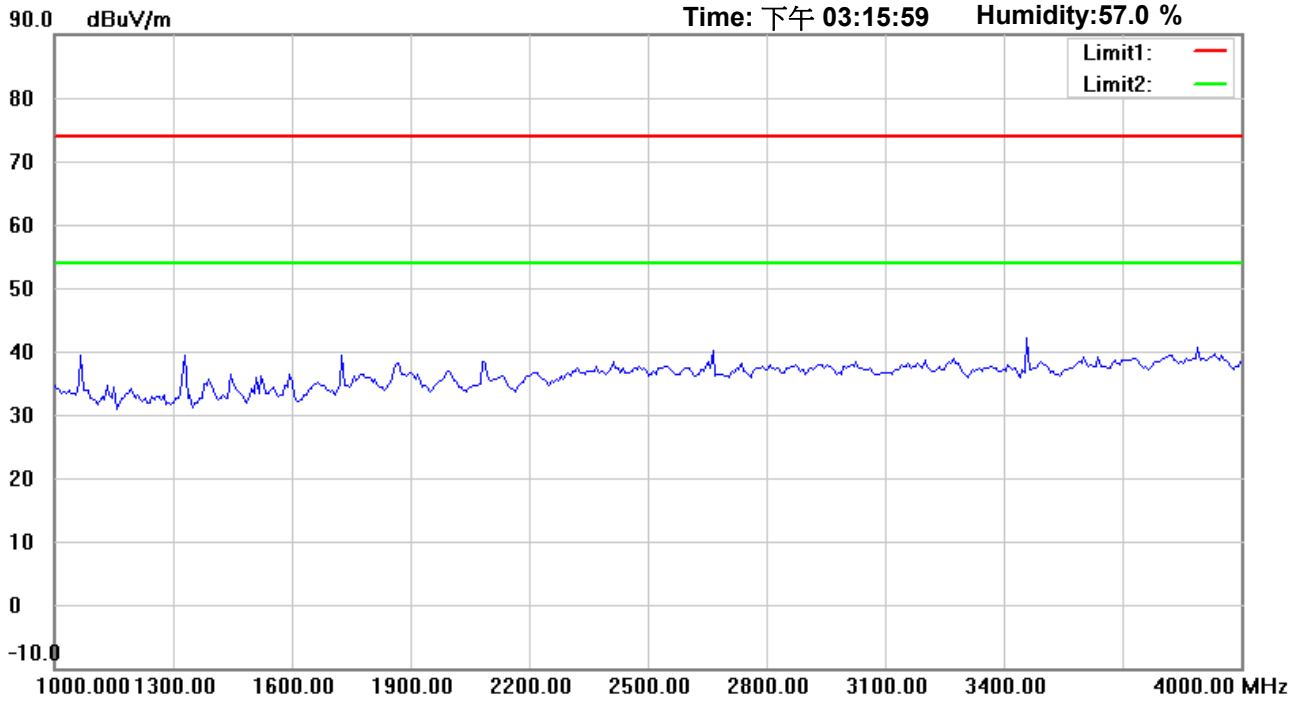
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 03:15:59 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

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

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

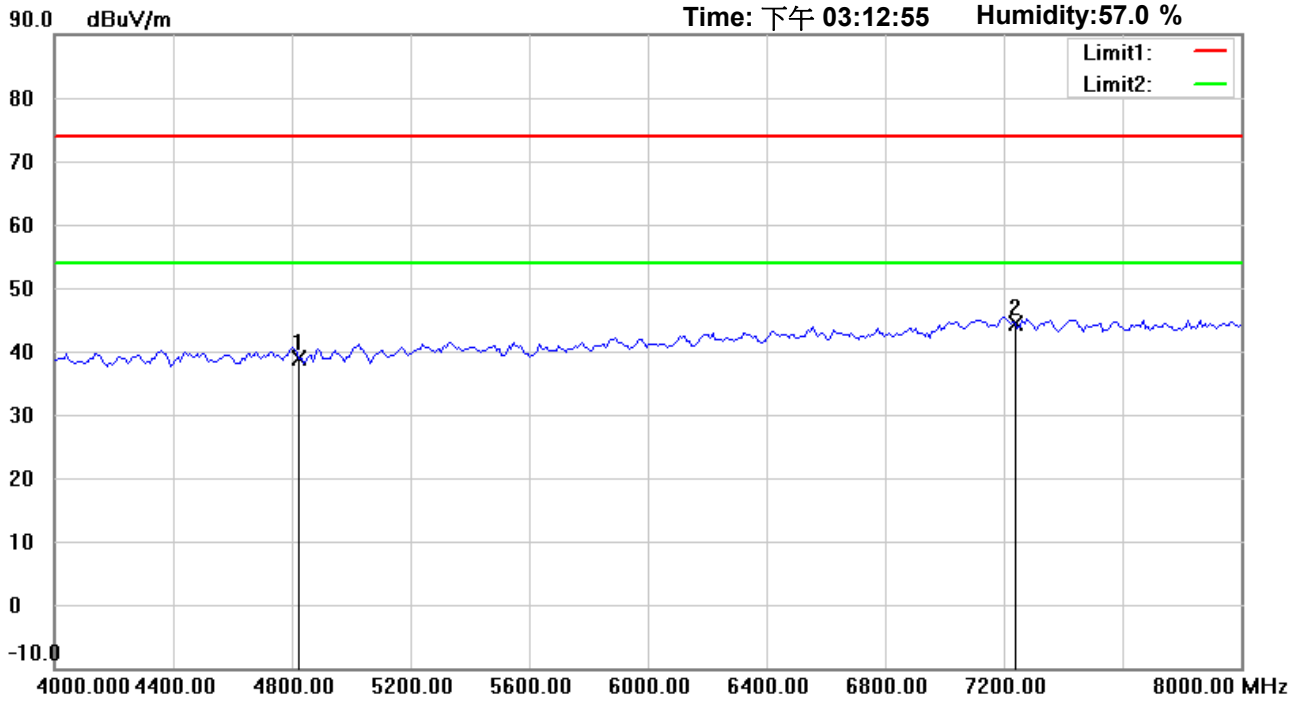
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2023/5/24 Time: 下午 03:12:55

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

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
	4824.000	40.61	peak	-1.65	38.96	74.00	150	236	-35.04	
*	7236.000	40.44	peak	3.93	44.37	74.00	150	61	-29.63	

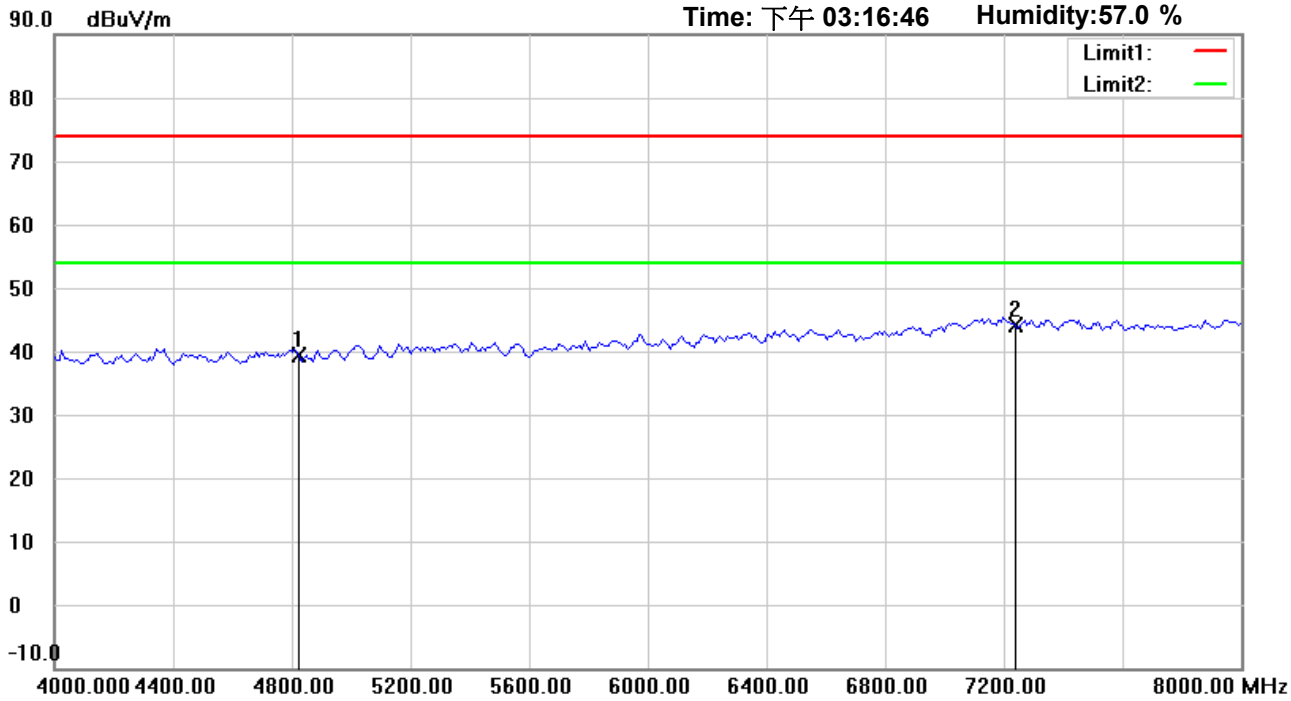
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 03:16:46 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

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
	4824.000	41.04	peak	-1.65	39.39	74.00	150	112	-34.61	
*	7236.000	40.17	peak	3.93	44.10	74.00	150	180	-29.90	

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

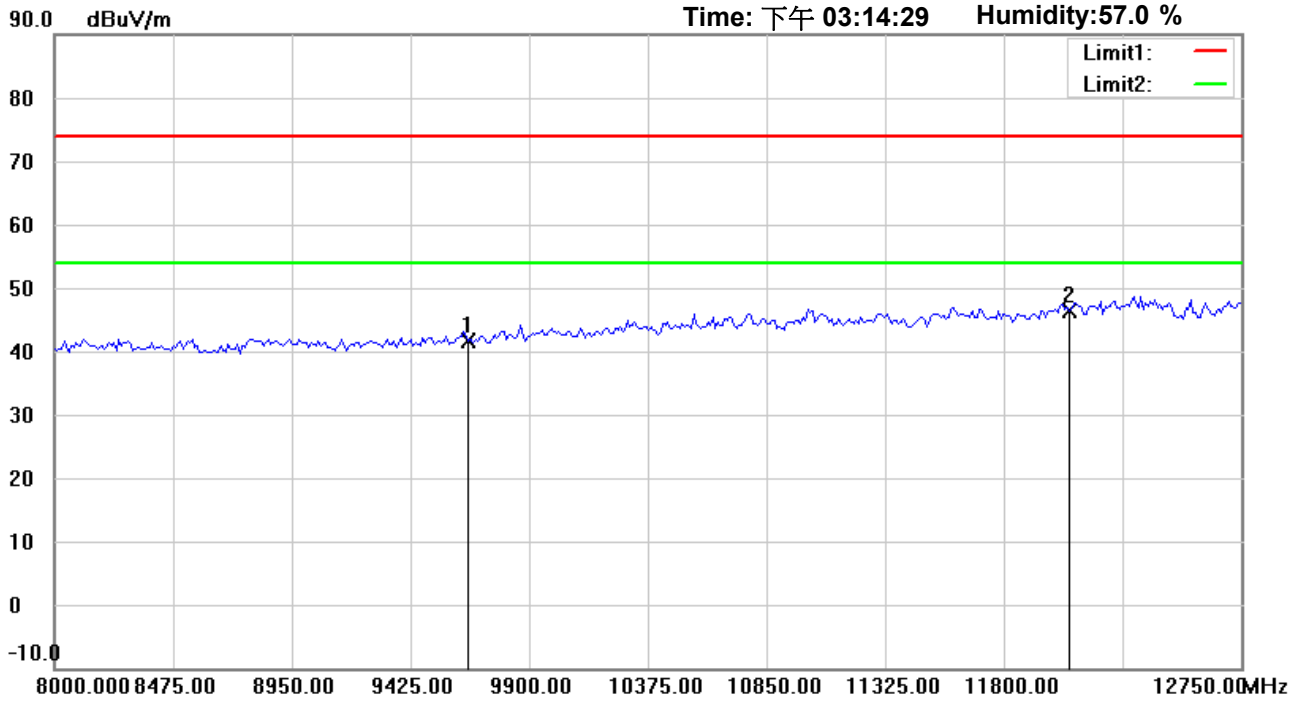
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2023/5/24 Time: 下午 03:14:29

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

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
	9648.000	34.86	peak	6.81	41.67	74.00	150	296	-32.33	
*	12060.000	33.77	peak	12.53	46.30	74.00	150	61	-27.70	

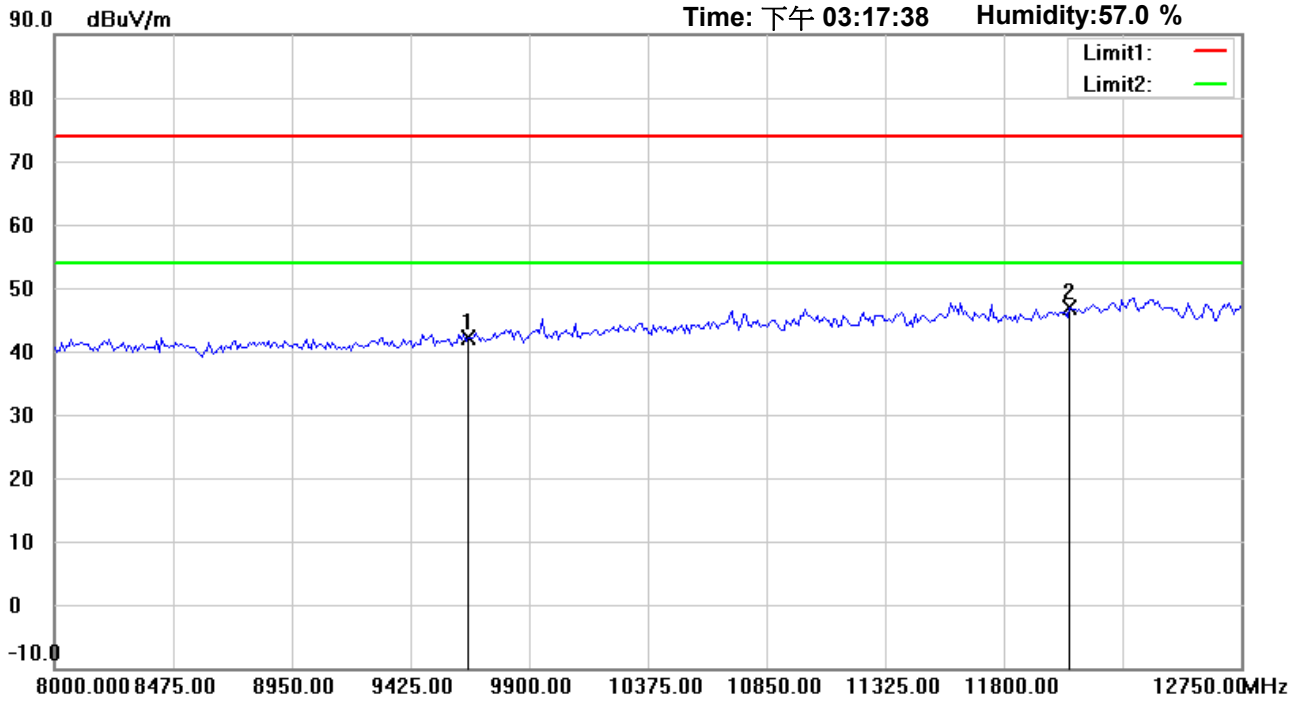
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#8 | Date: 2023/5/24 | Time: 下午 03:17:38 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

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
	9648.000	35.37	peak	6.81	42.18	74.00	150	199	-31.82	
*	12060.000	34.47	peak	12.53	47.00	74.00	150	314	-27.00	

*: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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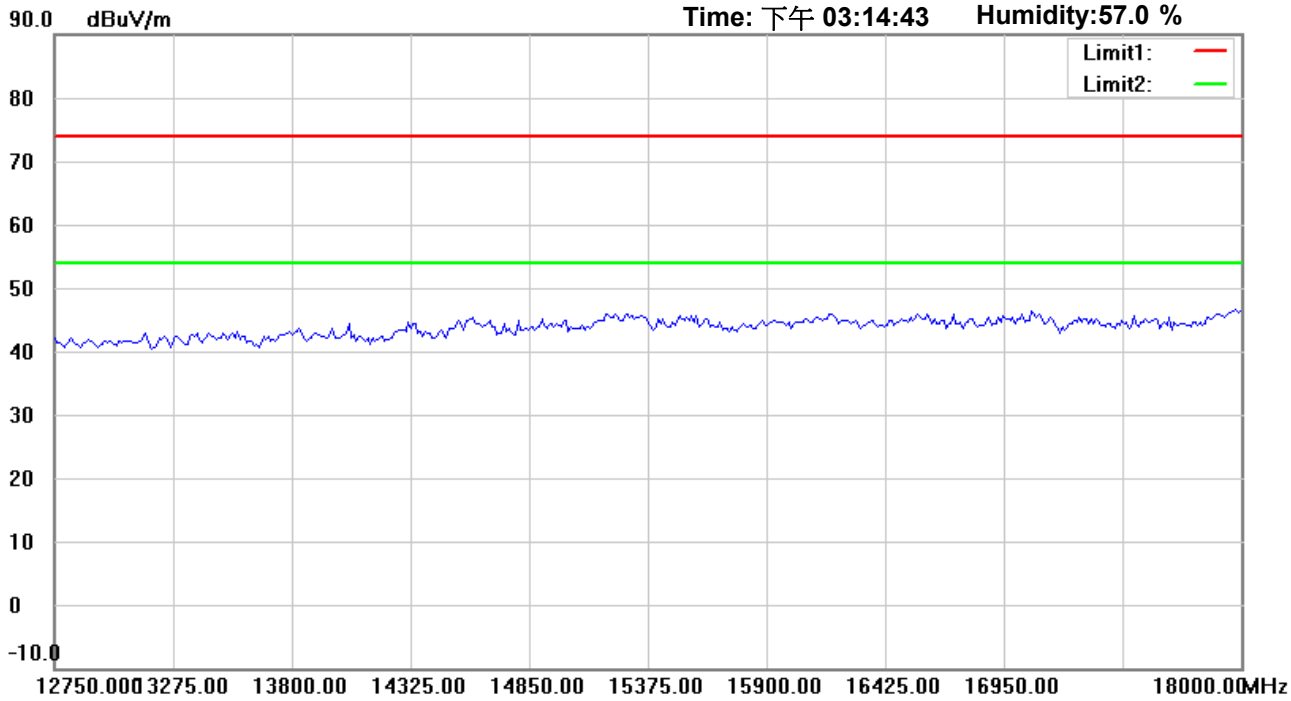
Radiated Emission Measurement

Operator: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 03:14:43 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

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

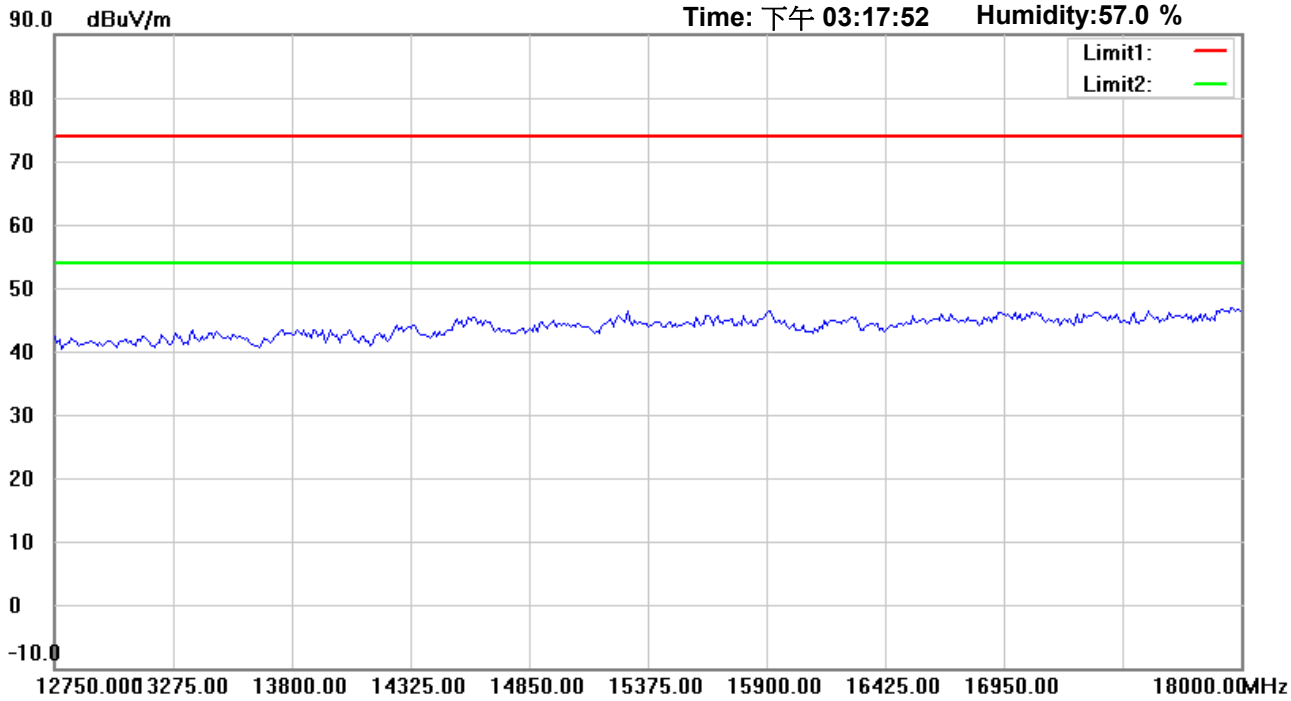
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 03:17:52 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

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

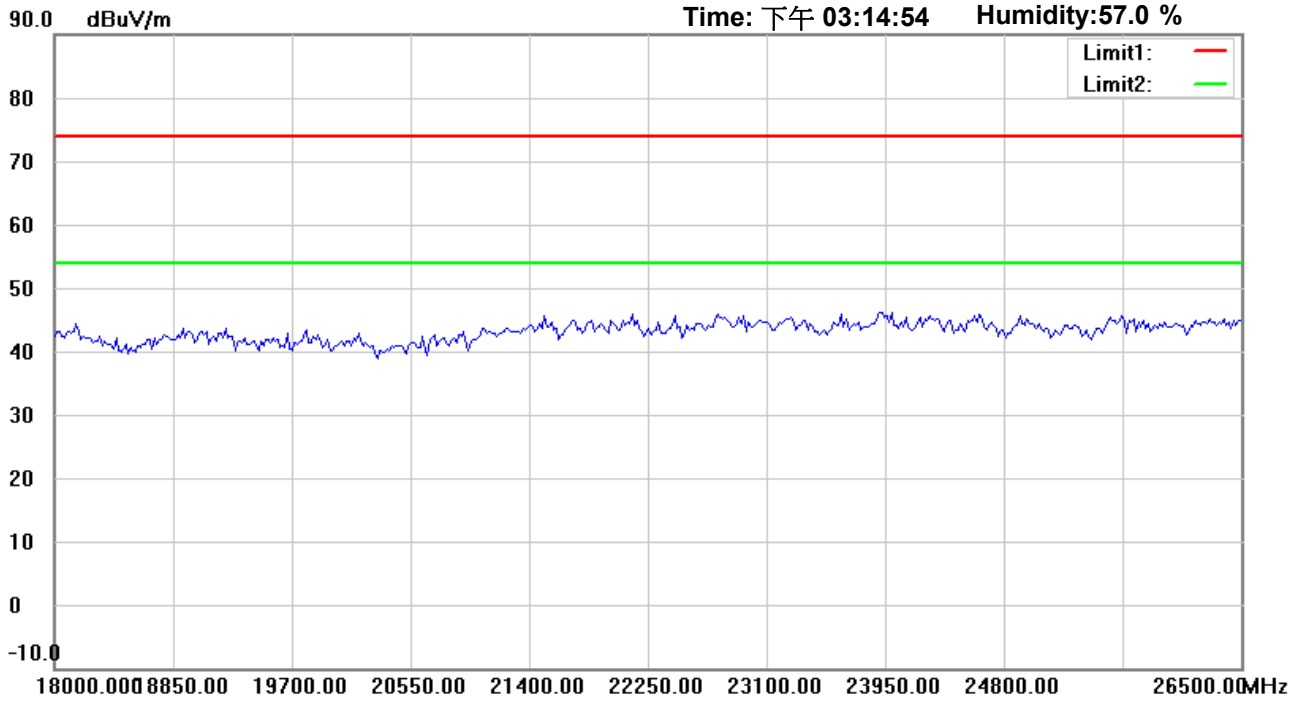
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 03:14:54 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

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

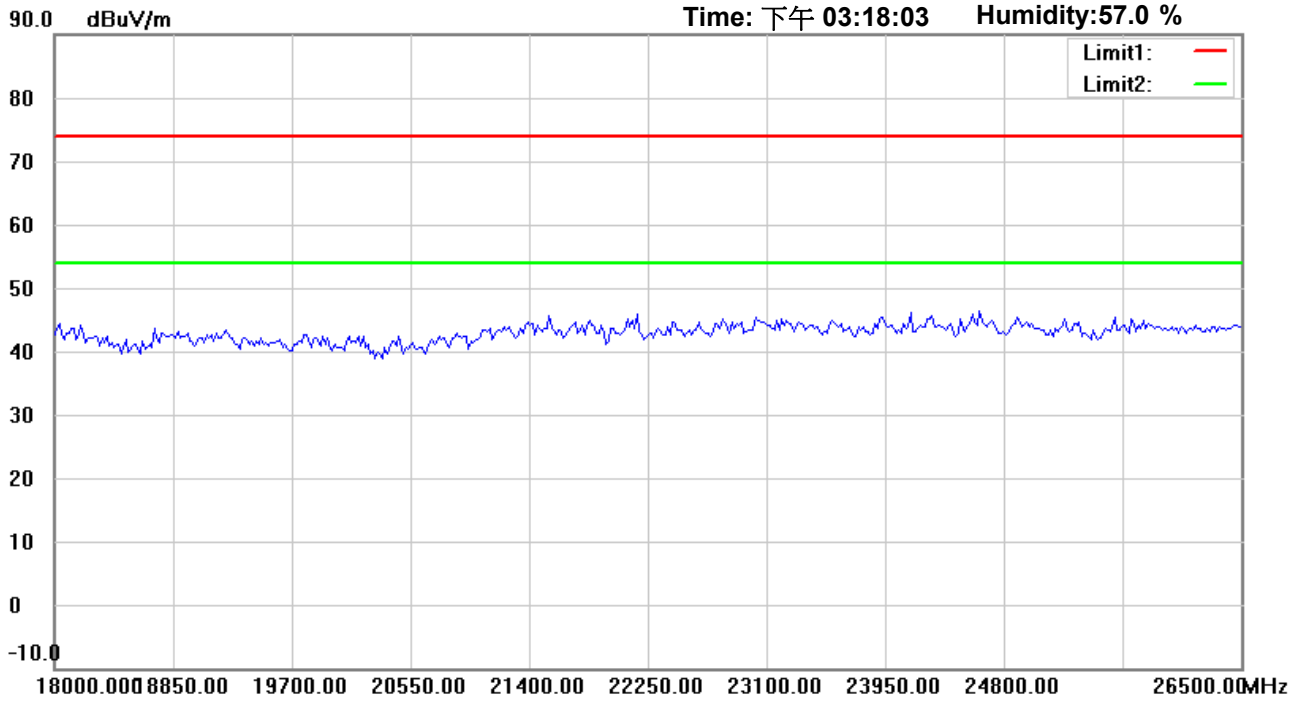
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 03:18:03 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

Note :

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

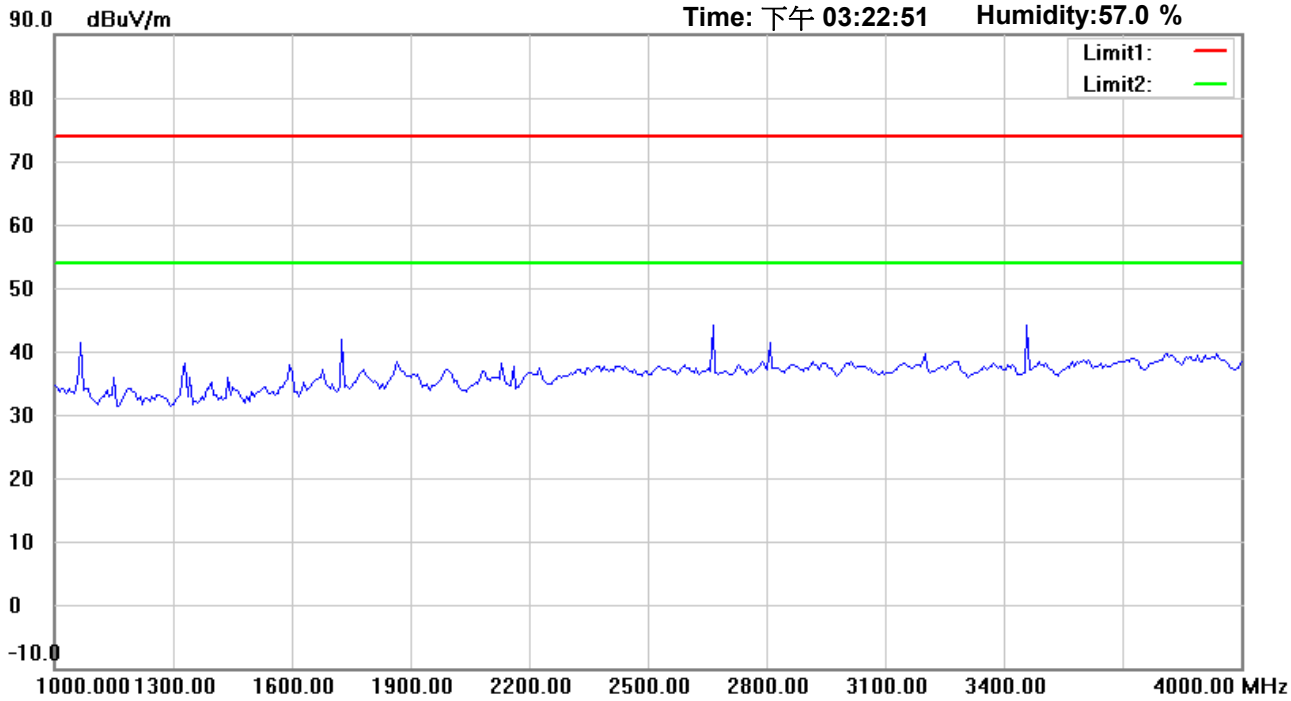
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 03:22:51 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

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

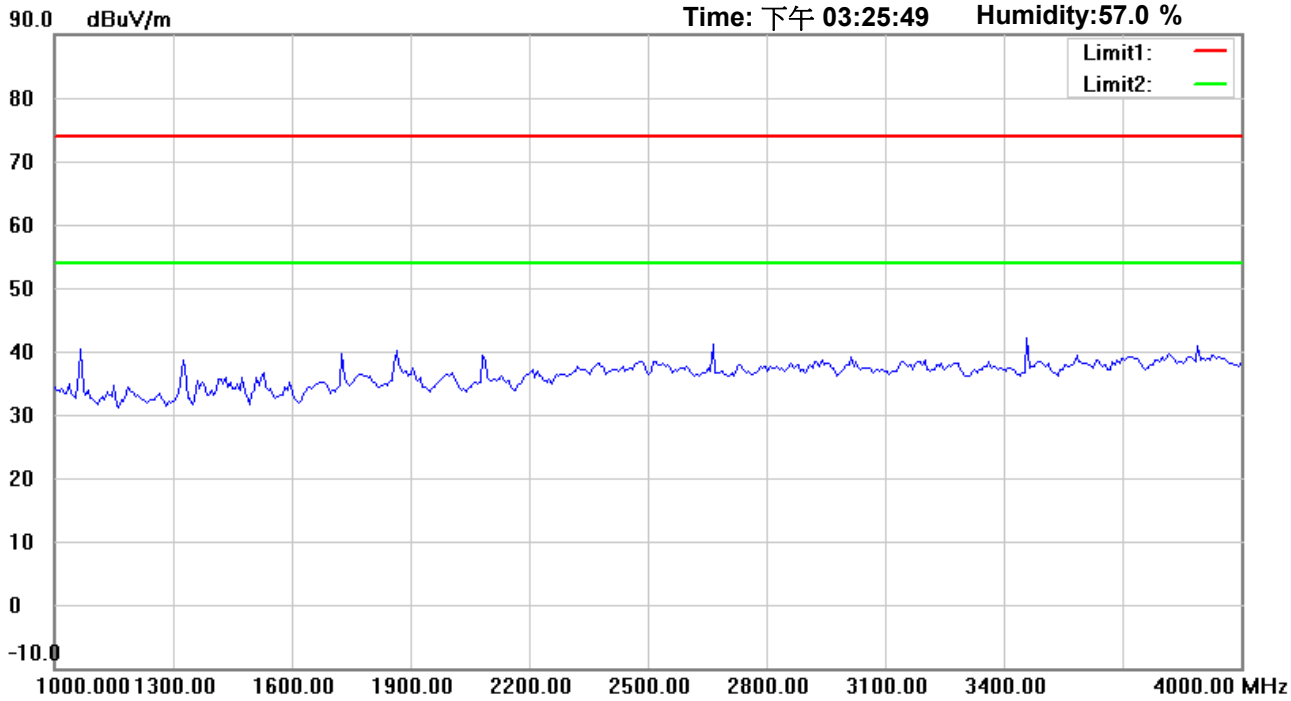
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 03:25:49 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

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

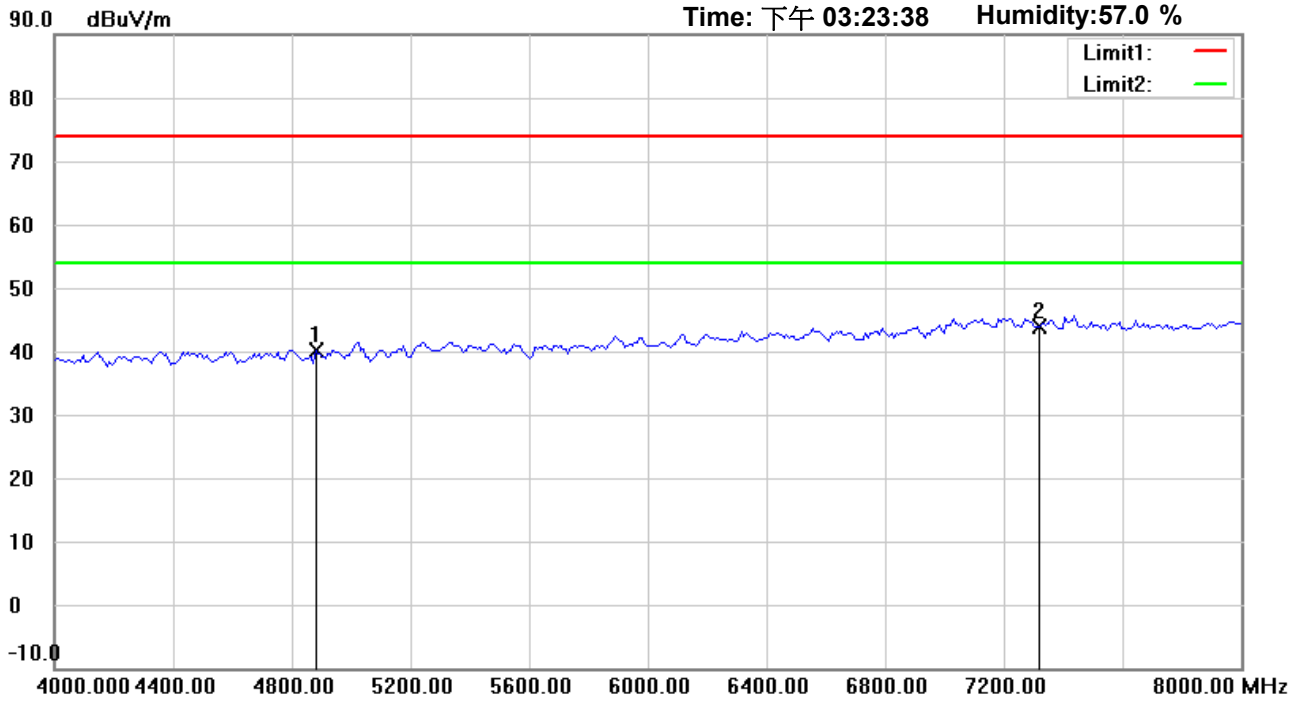
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#2 | Date: 2023/5/24 | Time: 下午 03:23:38 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

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
	4874.000	41.57	peak	-1.43	40.14	74.00	150	185	-33.86	
*	7311.000	40.13	peak	3.82	43.95	74.00	150	50	-30.05	

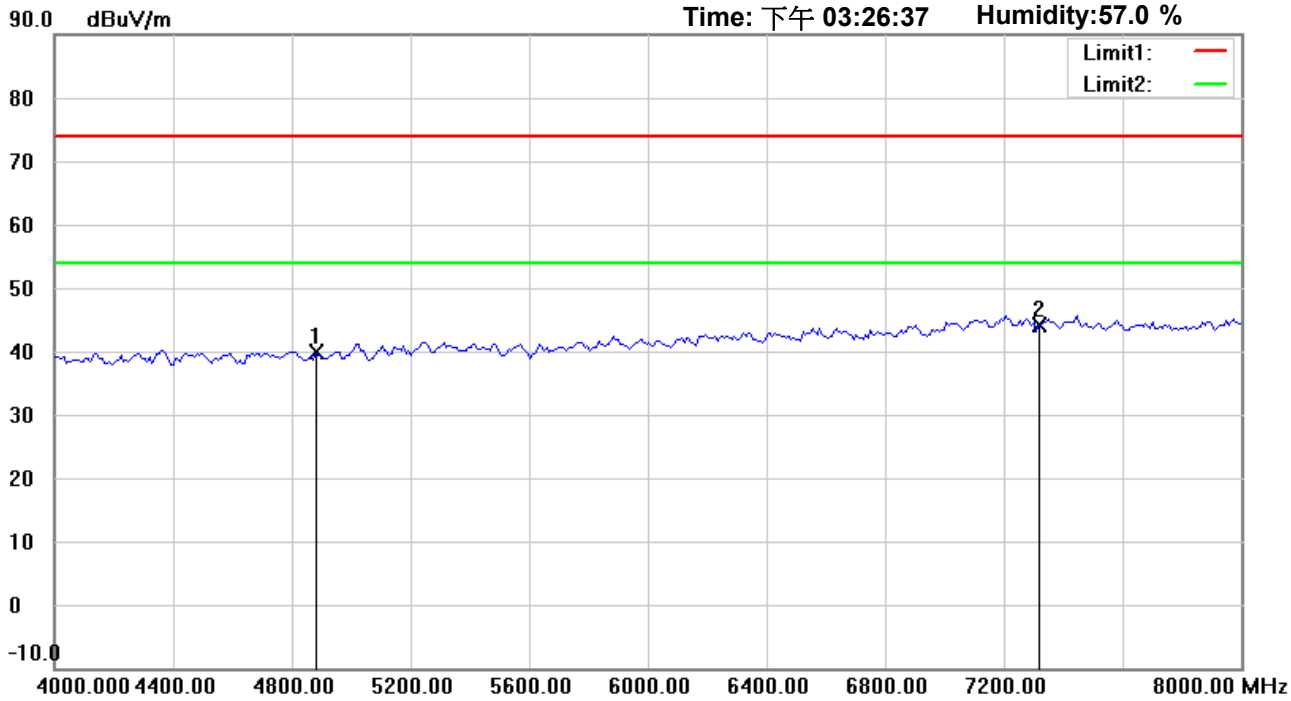
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 03:26:37 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

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
	4874.000	41.23	peak	-1.43	39.80	74.00	150	107	-34.20	
*	7311.000	40.21	peak	3.82	44.03	74.00	150	30	-29.97	

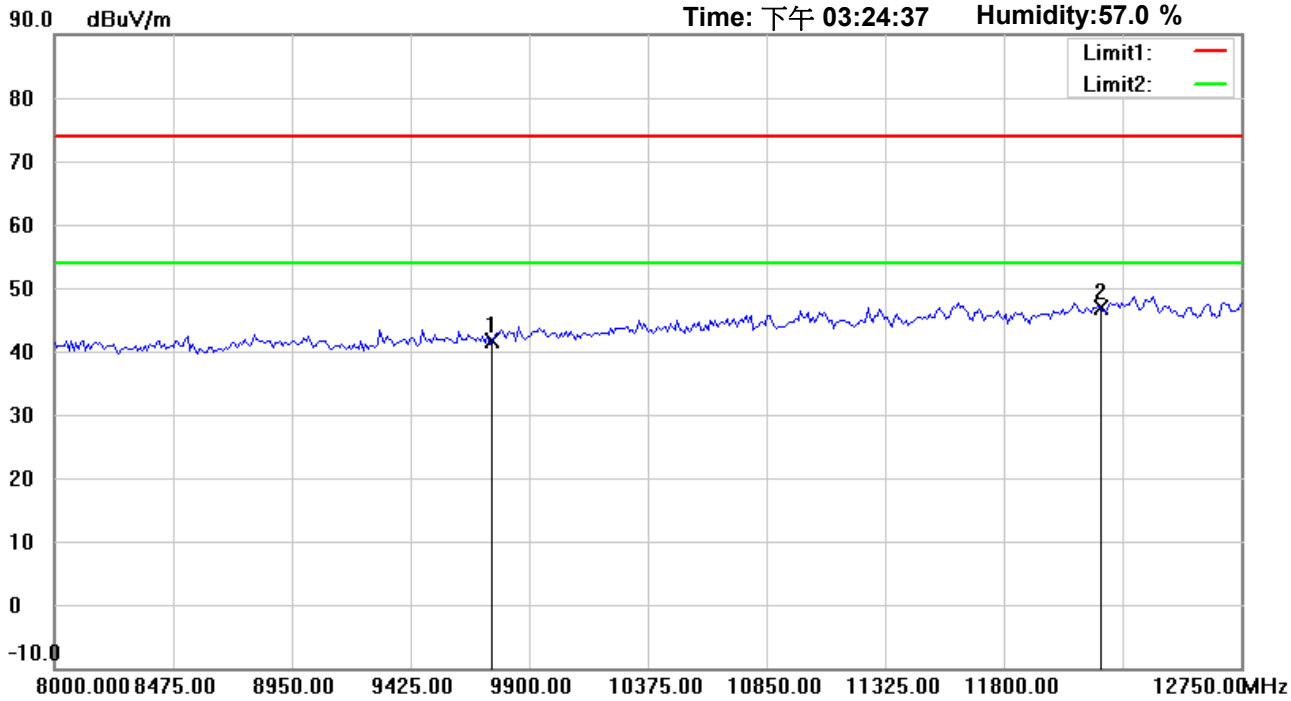
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#3 | Date: 2023/5/24 | Time: 下午 03:24:37 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

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
	9748.000	34.71	peak	6.98	41.69	74.00	150	288	-32.31	
*	12185.000	33.32	peak	13.49	46.81	74.00	150	130	-27.19	

*: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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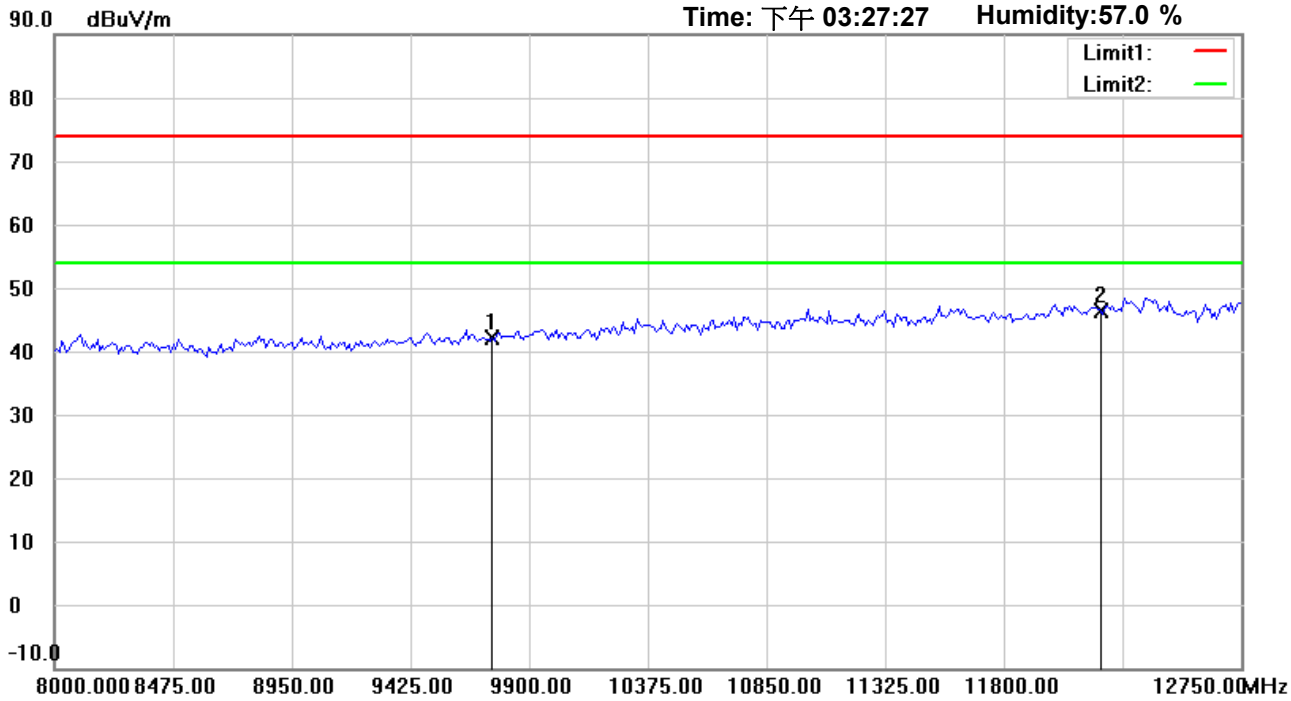
Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2023/5/24 Time: 下午 03:27:27

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

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
	9748.000	35.13	peak	6.98	42.11	74.00	150	155	-31.89	
*	12185.000	32.96	peak	13.49	46.45	74.00	150	255	-27.55	

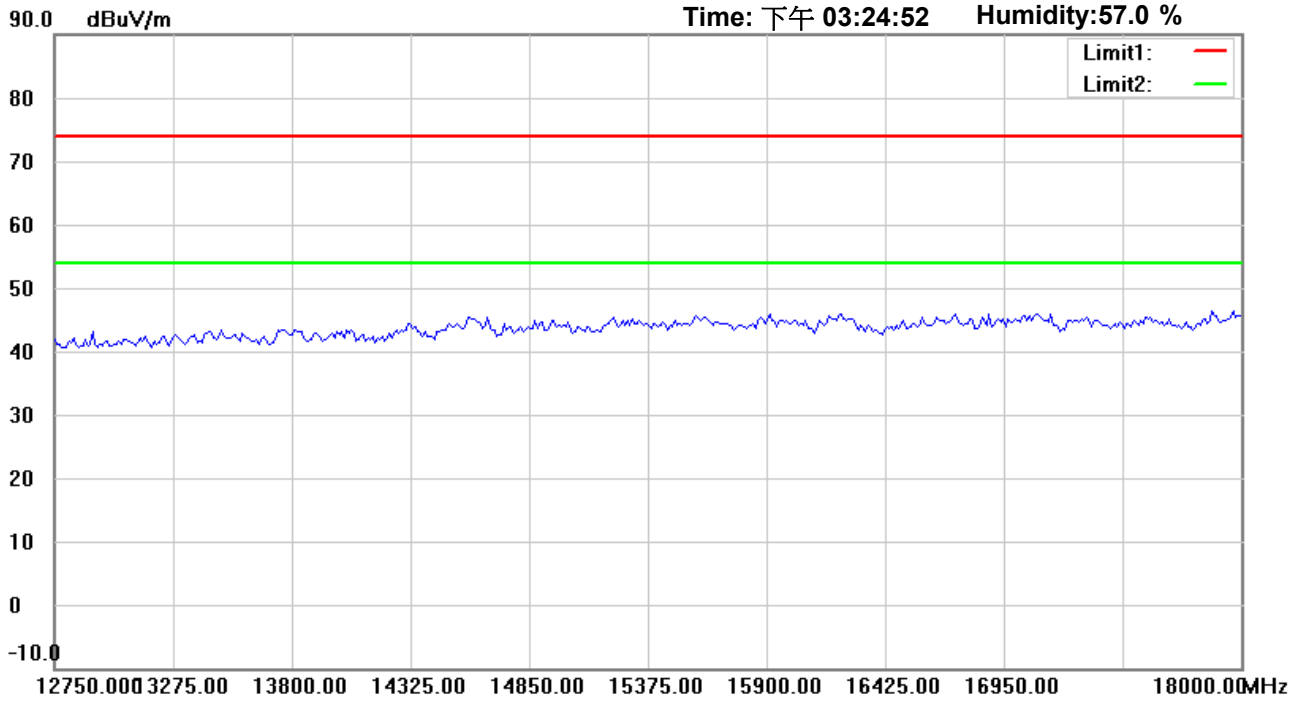
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 03:24:52 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

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

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

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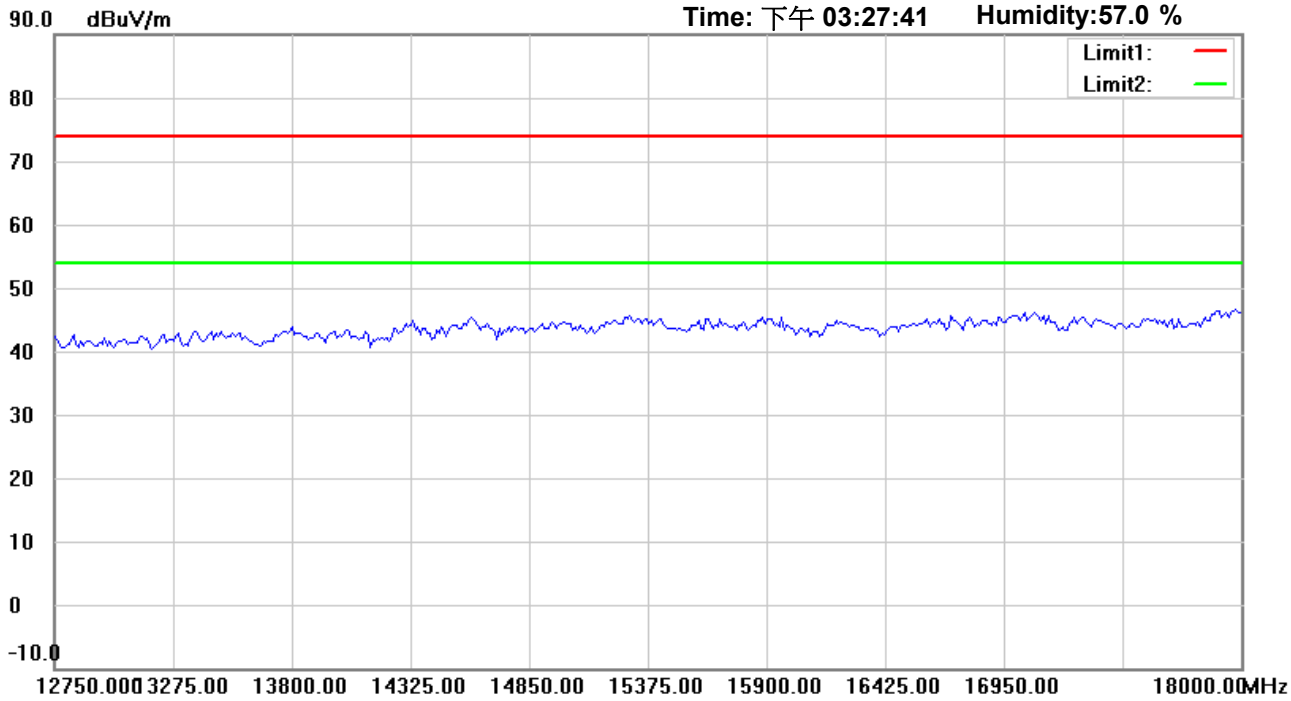
Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 03:27:41 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

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

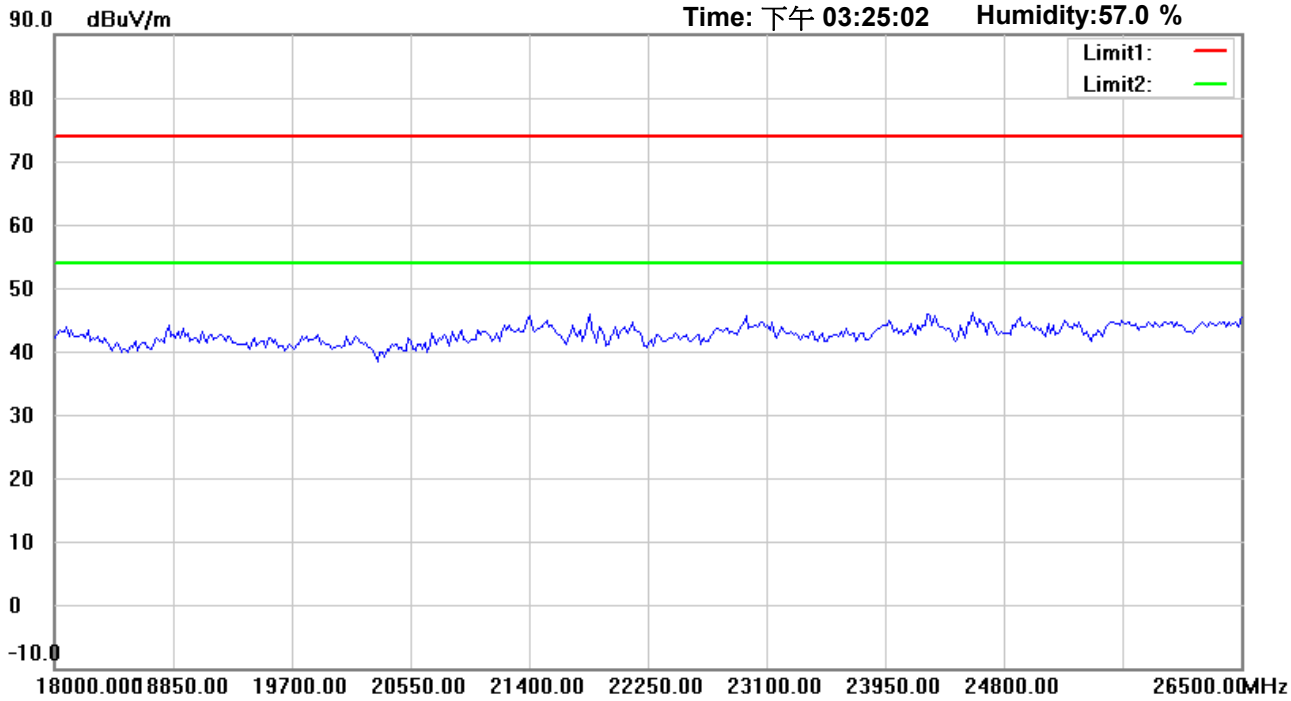
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 03:25:02 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

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

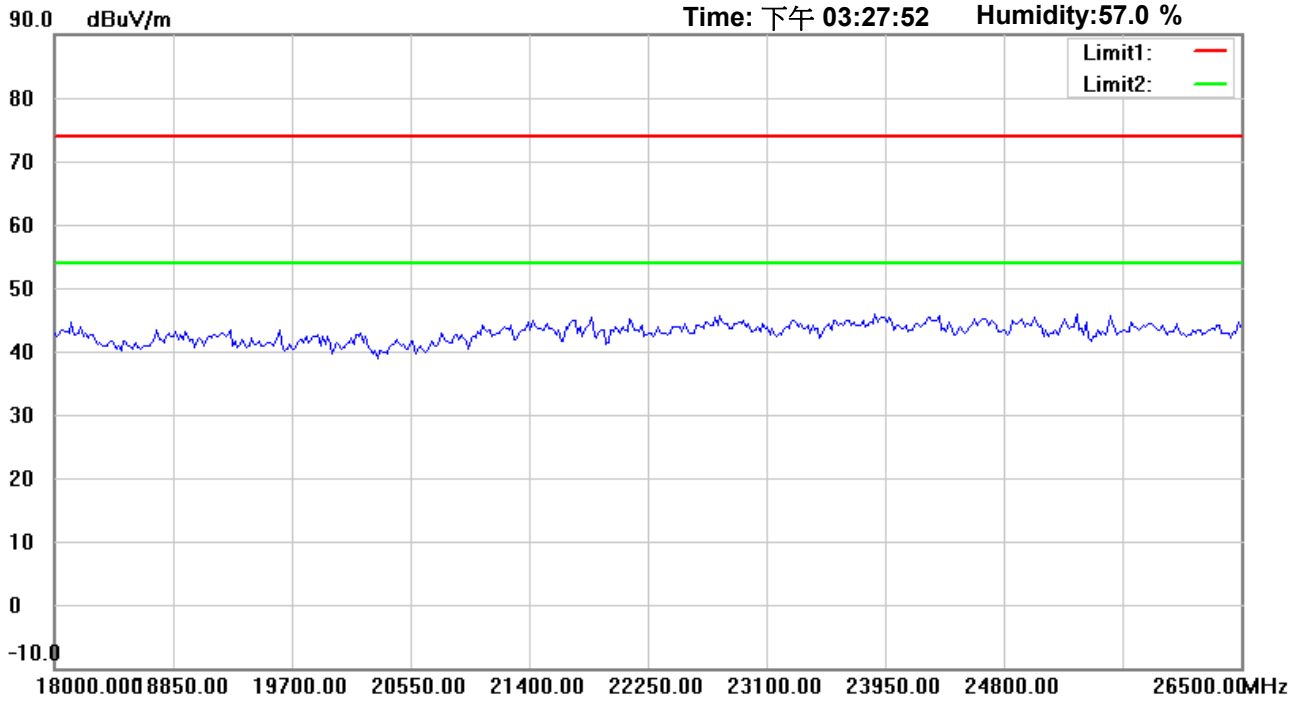
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 03:27:52 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH6

Note :

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

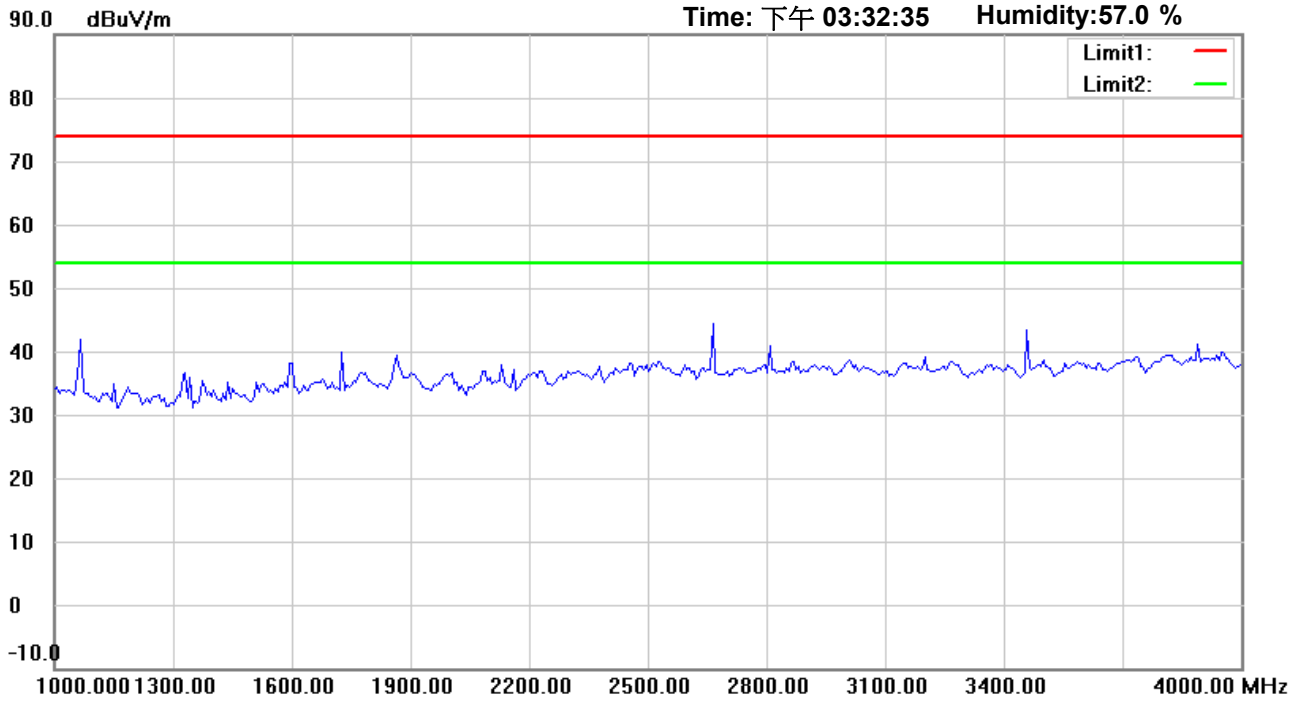
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 03:32:35 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

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

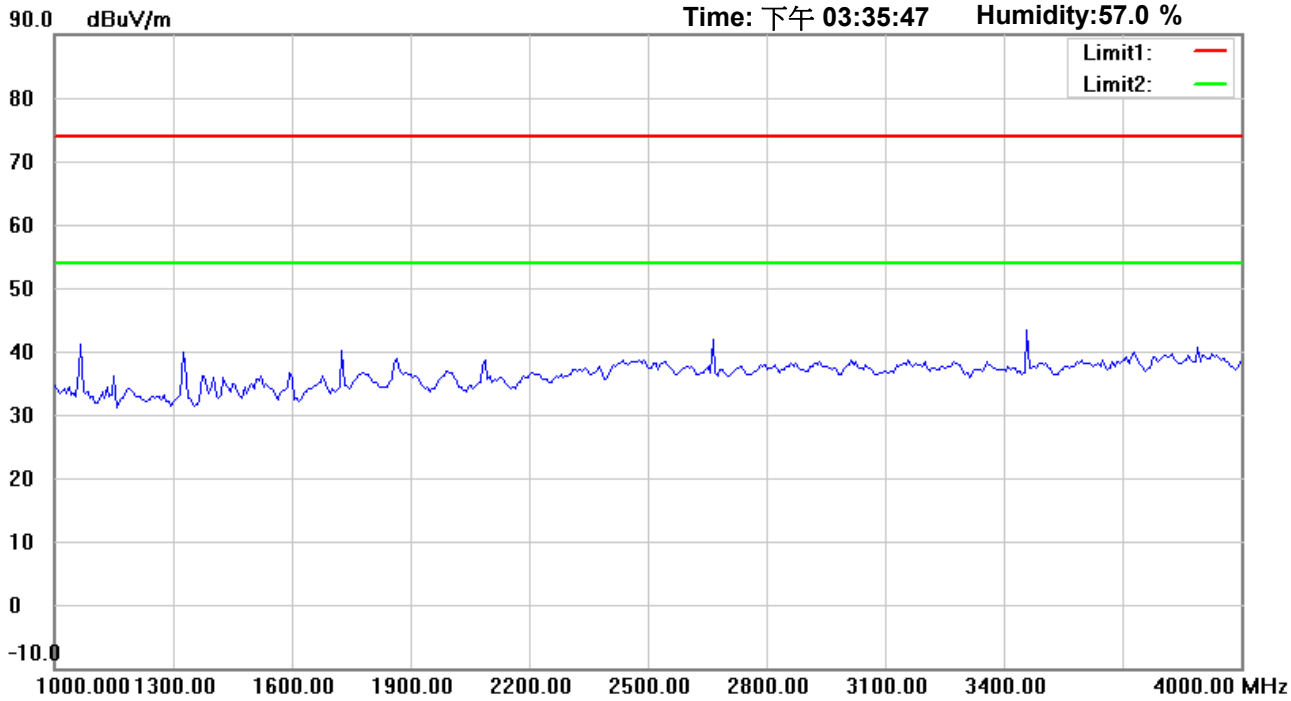
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 03:35:47 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

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

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

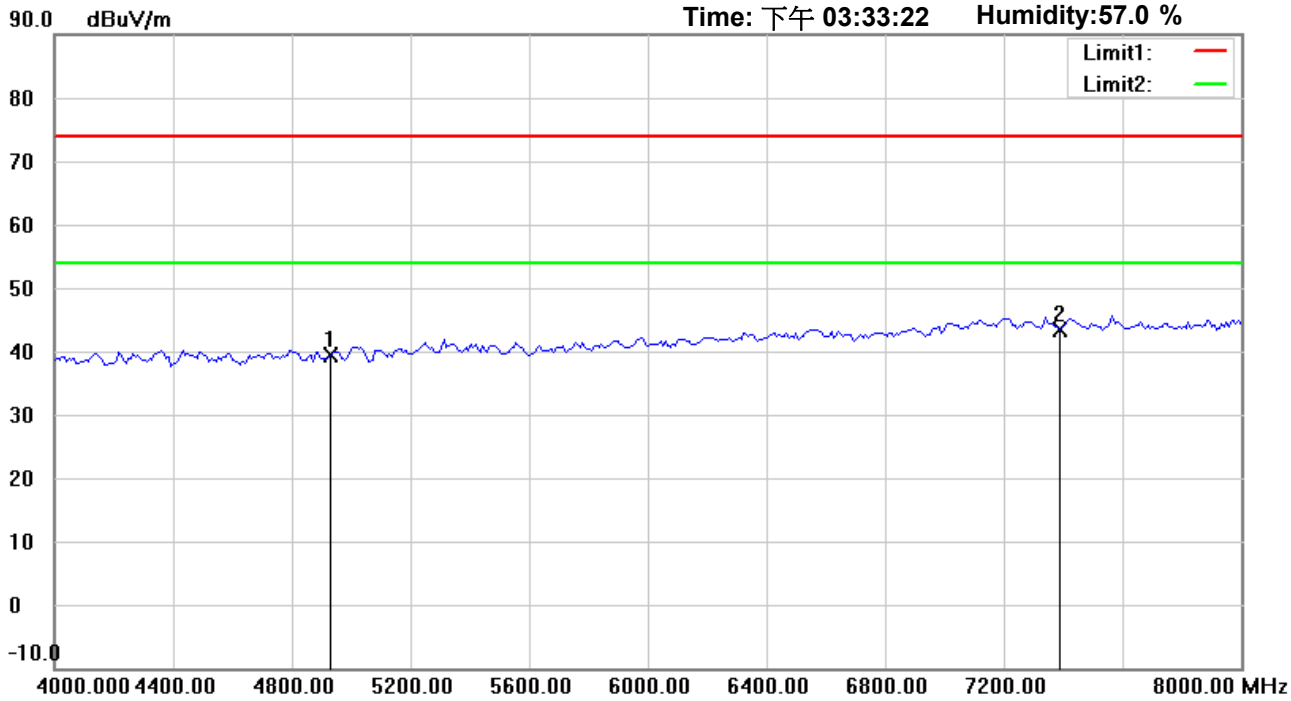
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2023/5/24 Time: 下午 03:33:22

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

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
	4924.000	40.55	peak	-1.11	39.44	74.00	150	101	-34.56	
*	7386.000	39.41	peak	4.06	43.47	74.00	150	44	-30.53	

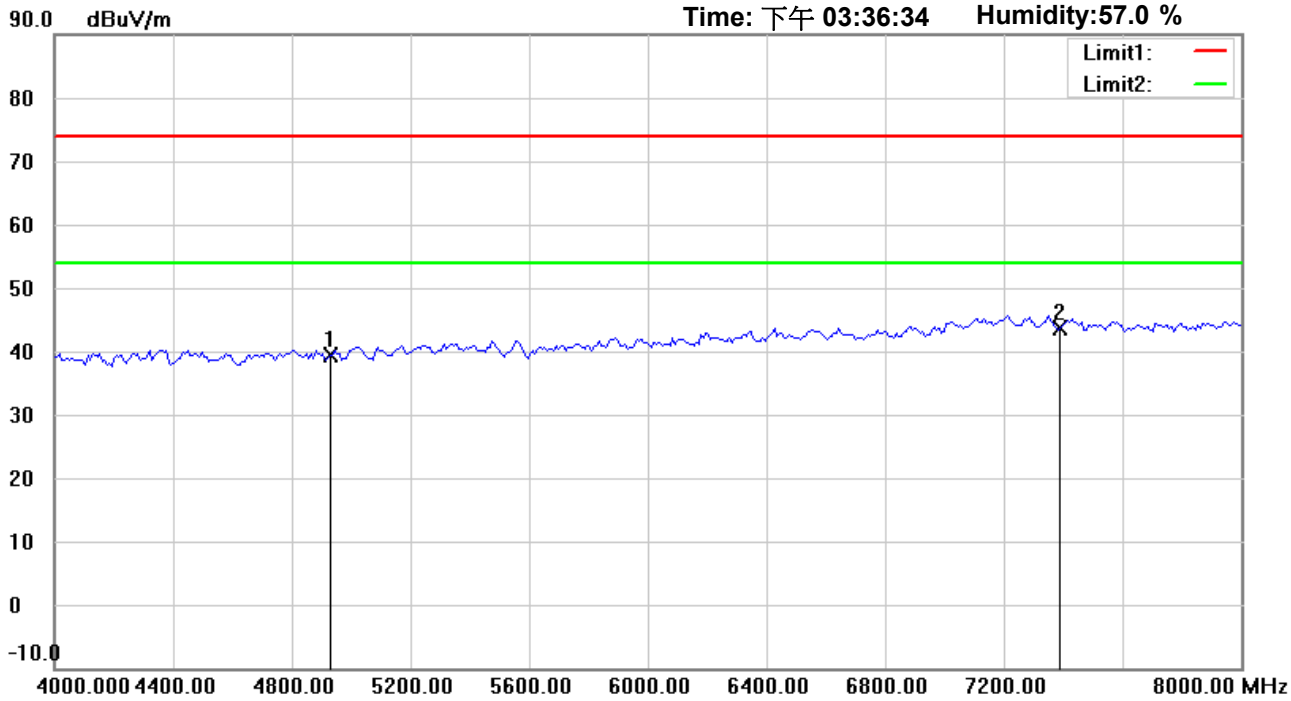
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 03:36:34 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

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
	4924.000	40.48	peak	-1.11	39.37	74.00	150	144	-34.63	
*	7386.000	39.61	peak	4.06	43.67	74.00	150	65	-30.33	

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

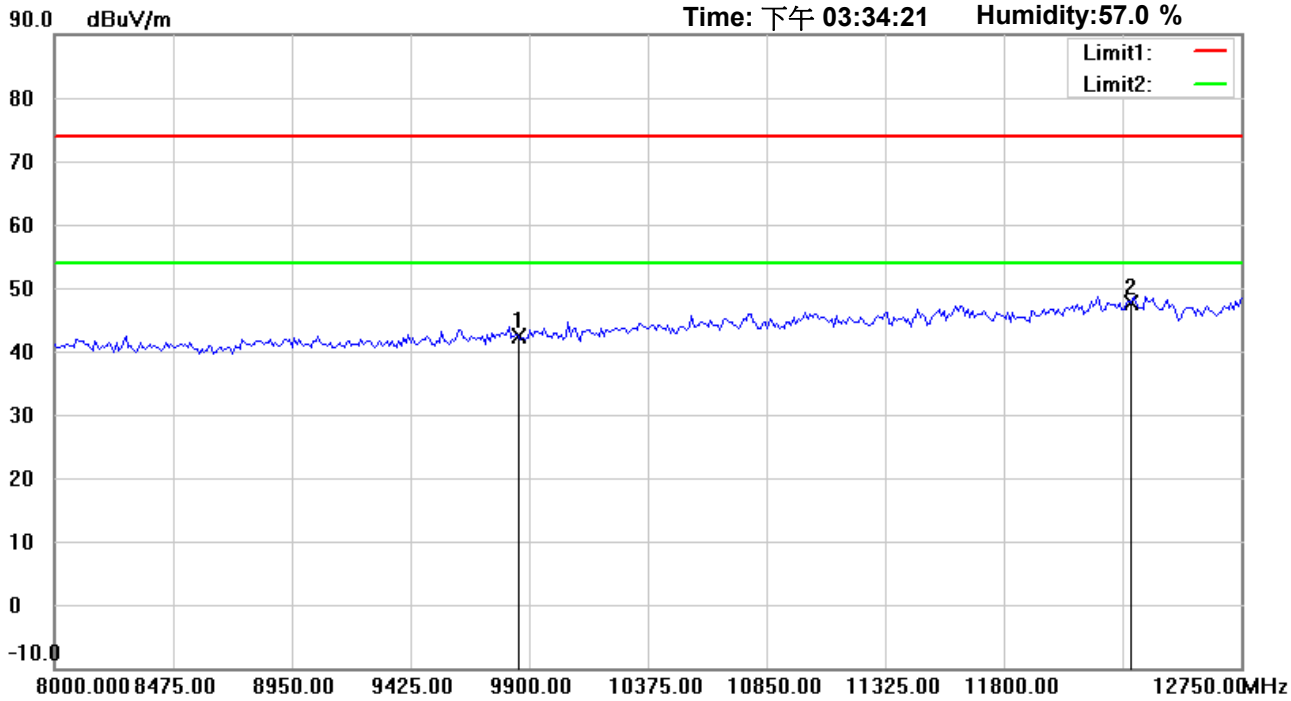
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2023/5/24 Time: 下午 03:34:21

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

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
	9848.000	35.03	peak	7.32	42.35	74.00	150	133	-31.65	
*	12310.000	34.37	peak	13.20	47.57	74.00	150	99	-26.43	

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

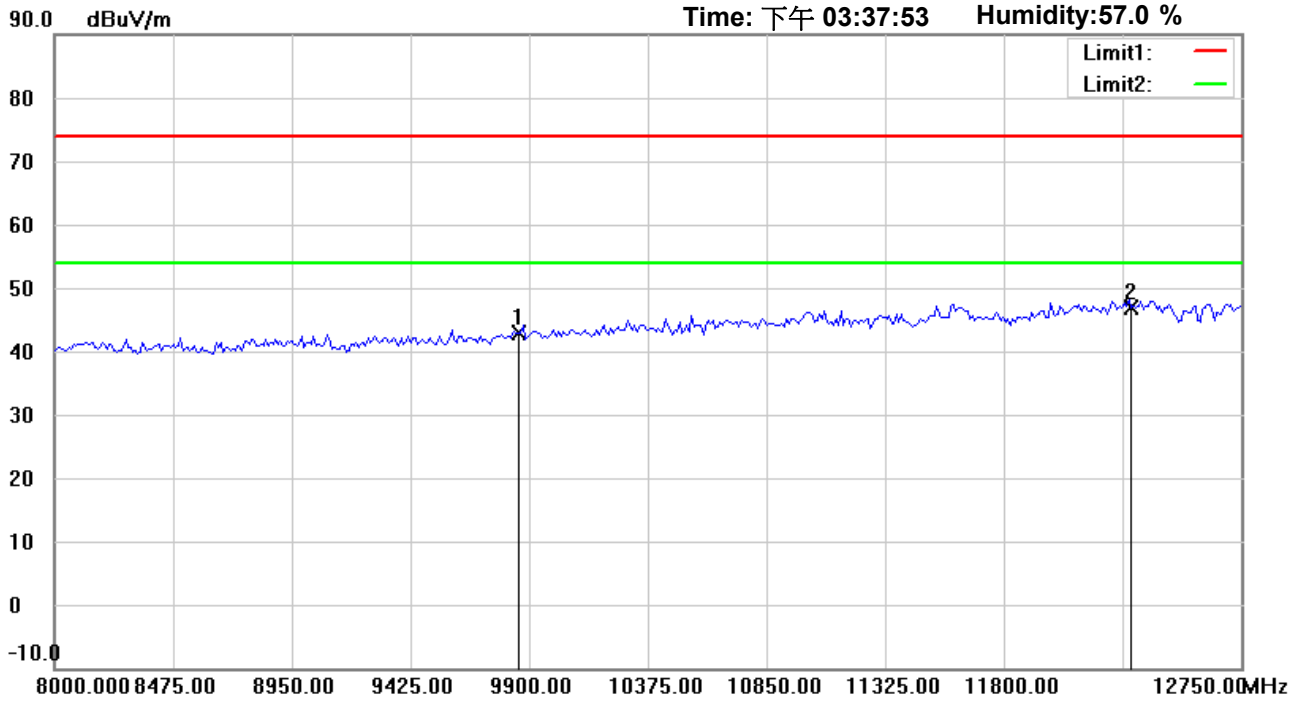
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2023/5/24 Time: 下午 03:37:53

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

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
	9848.000	35.46	peak	7.32	42.78	74.00	150	102	-31.22	
*	12310.000	33.73	peak	13.20	46.93	74.00	150	237	-27.07	

*: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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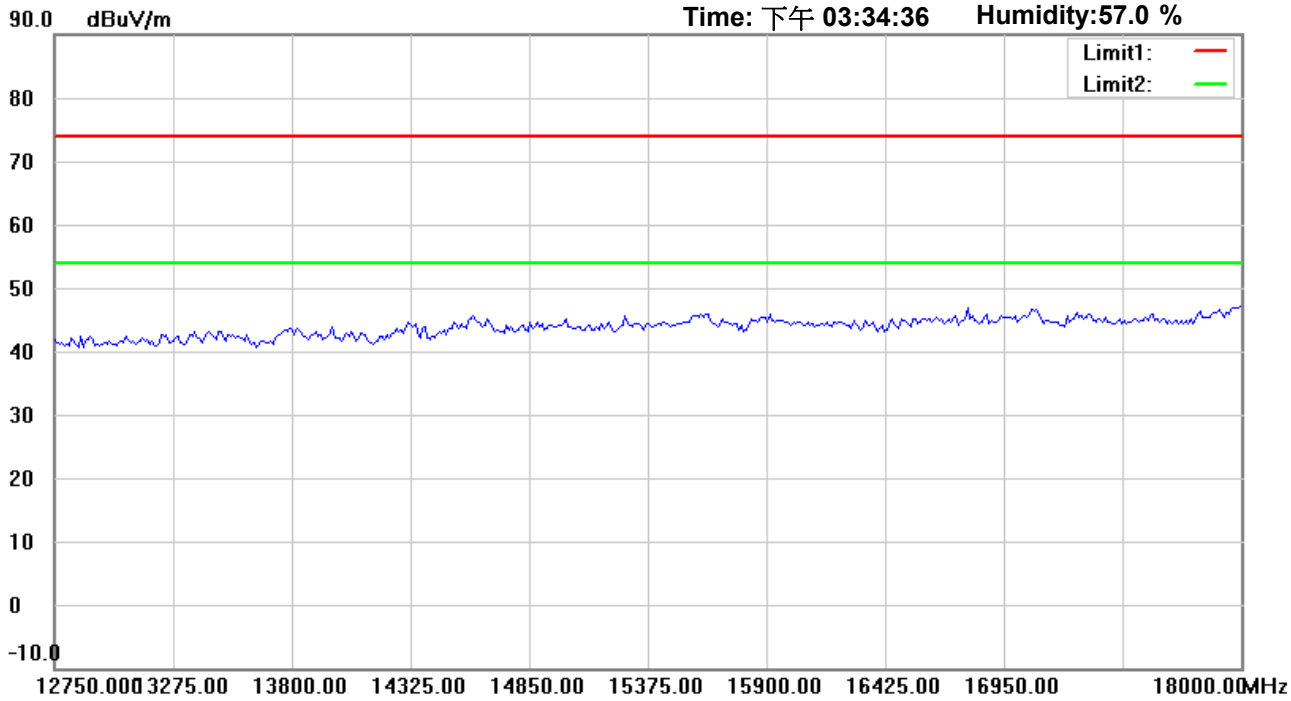
Radiated Emission Measurement

Operator: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 03:34:36 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

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

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

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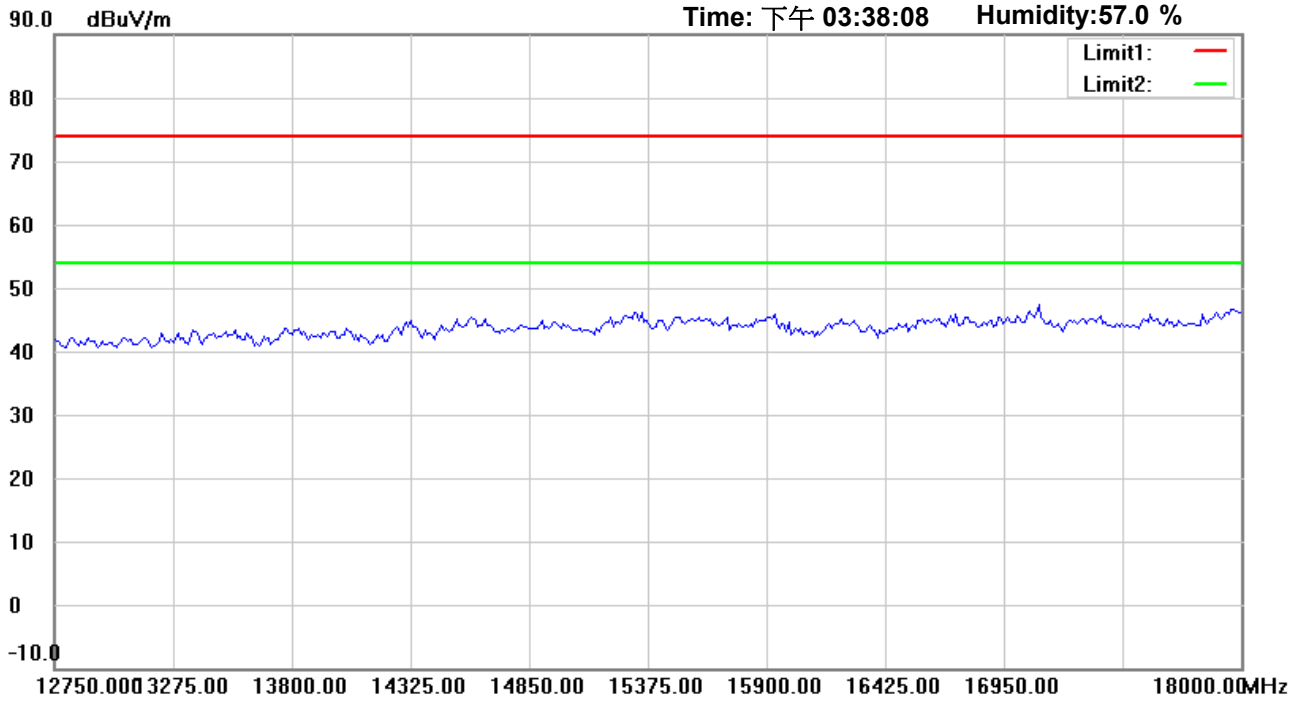
Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 03:38:08 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

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

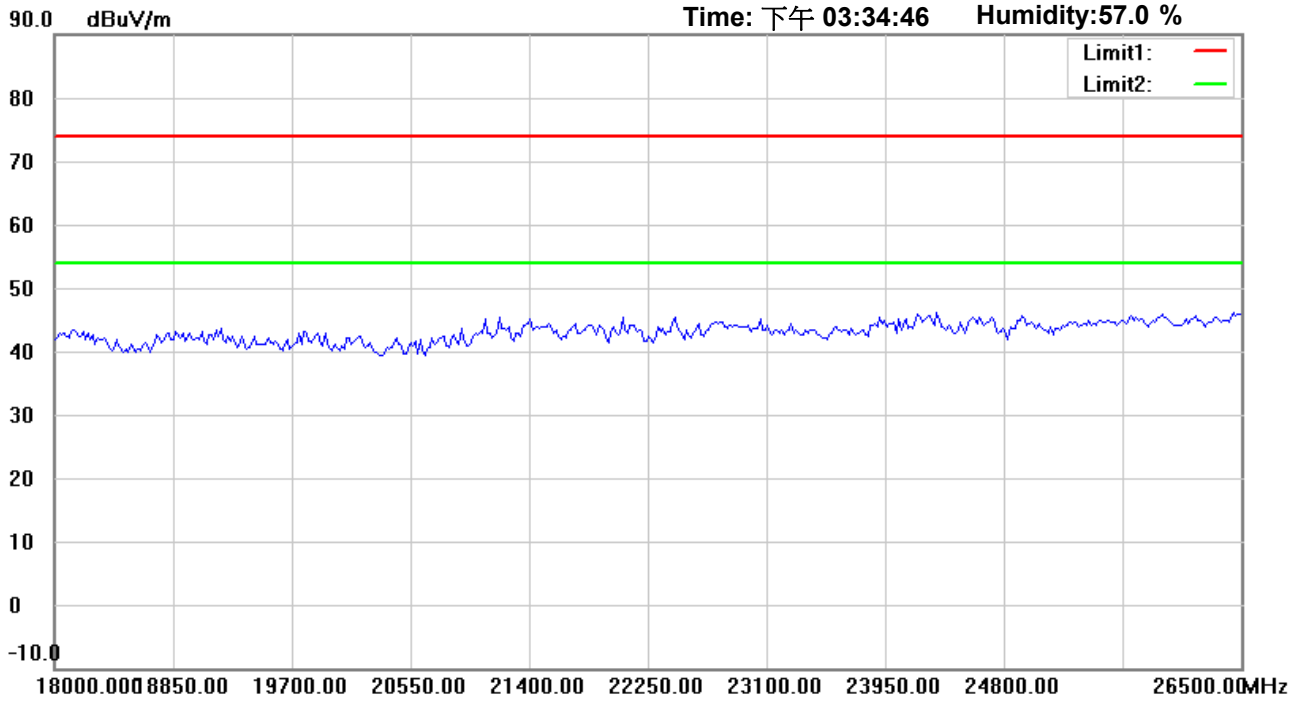
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 03:34:46 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

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

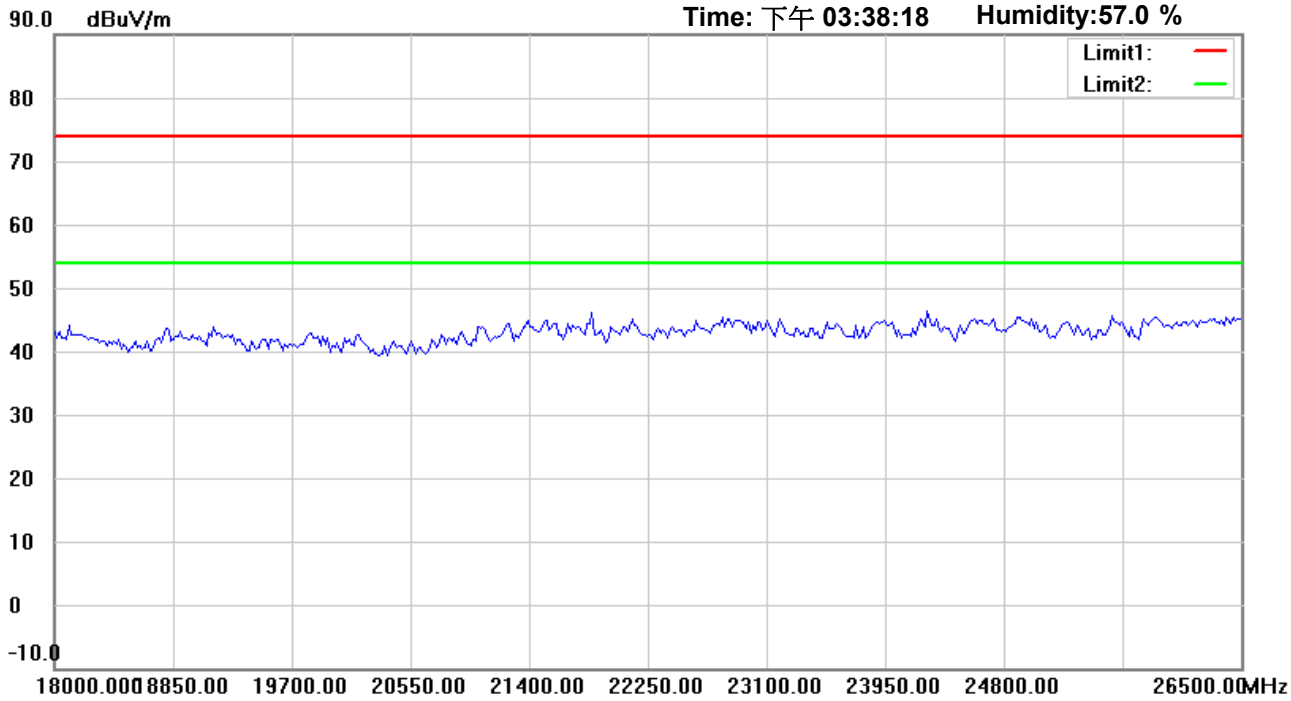
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 03:38:18 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

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

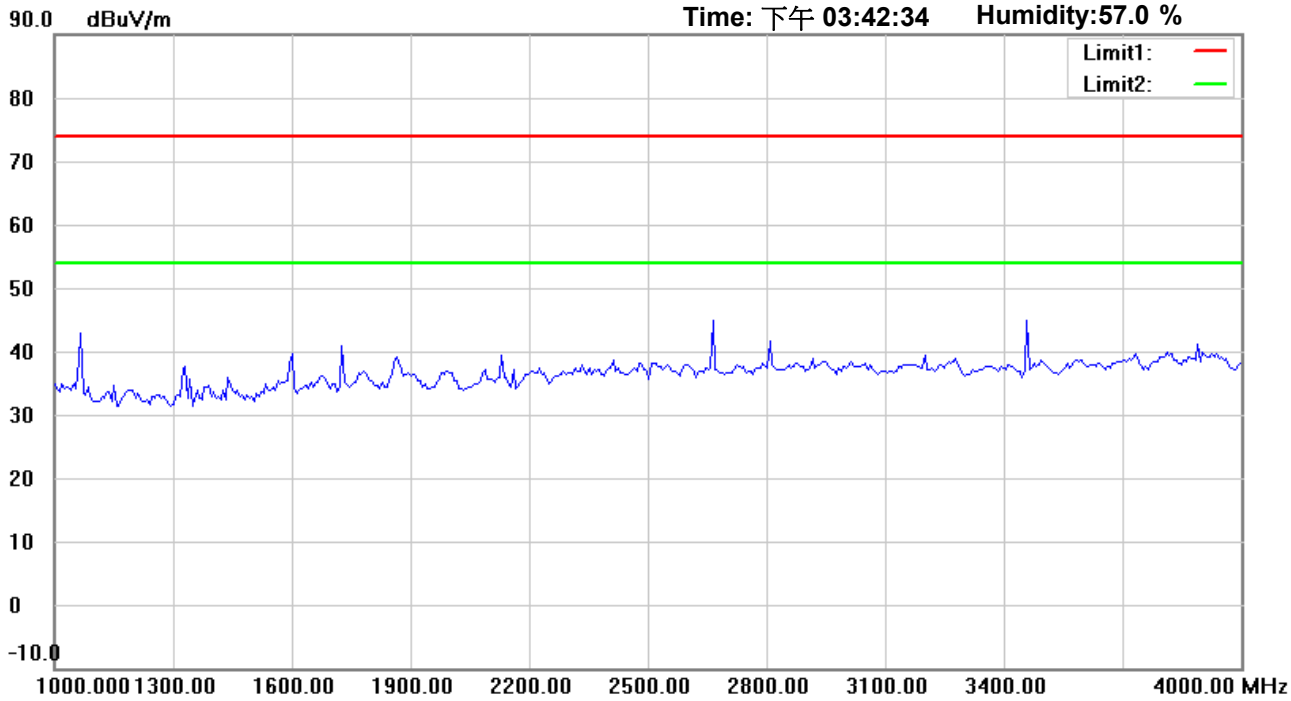
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 03:42:34 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

Note :

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

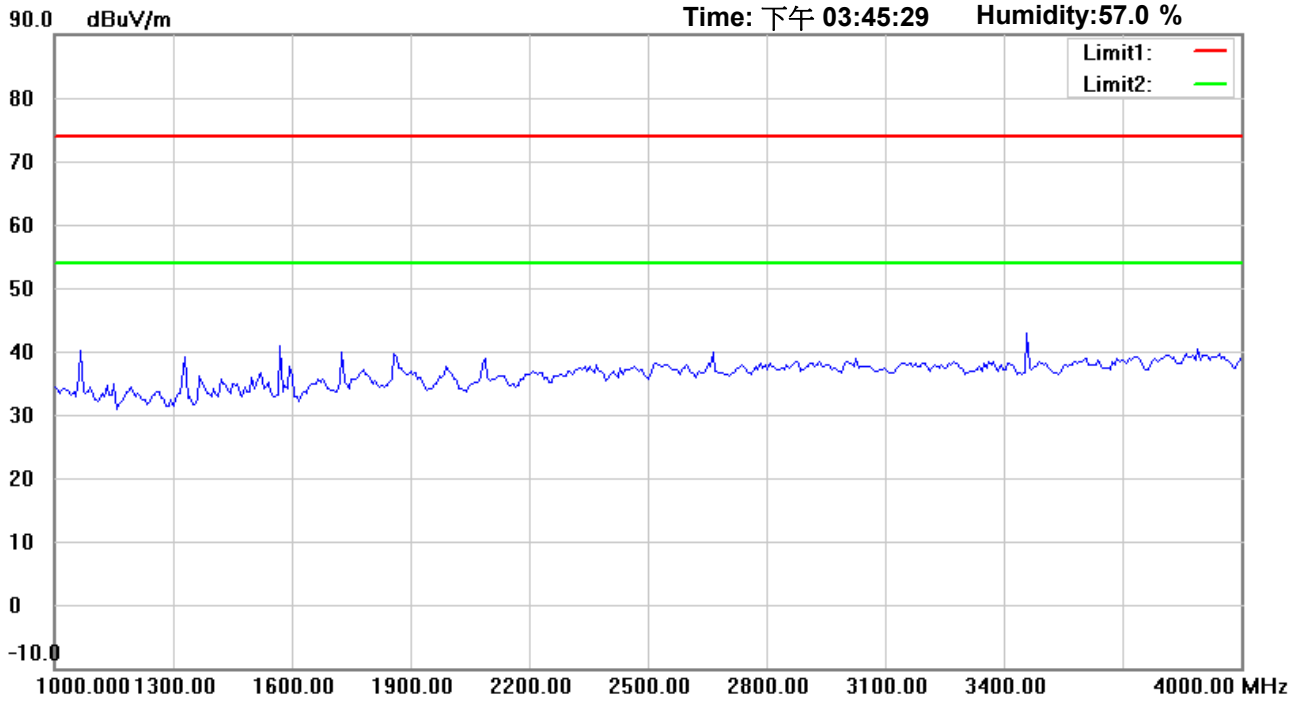
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 03:45:29 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

Note :

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

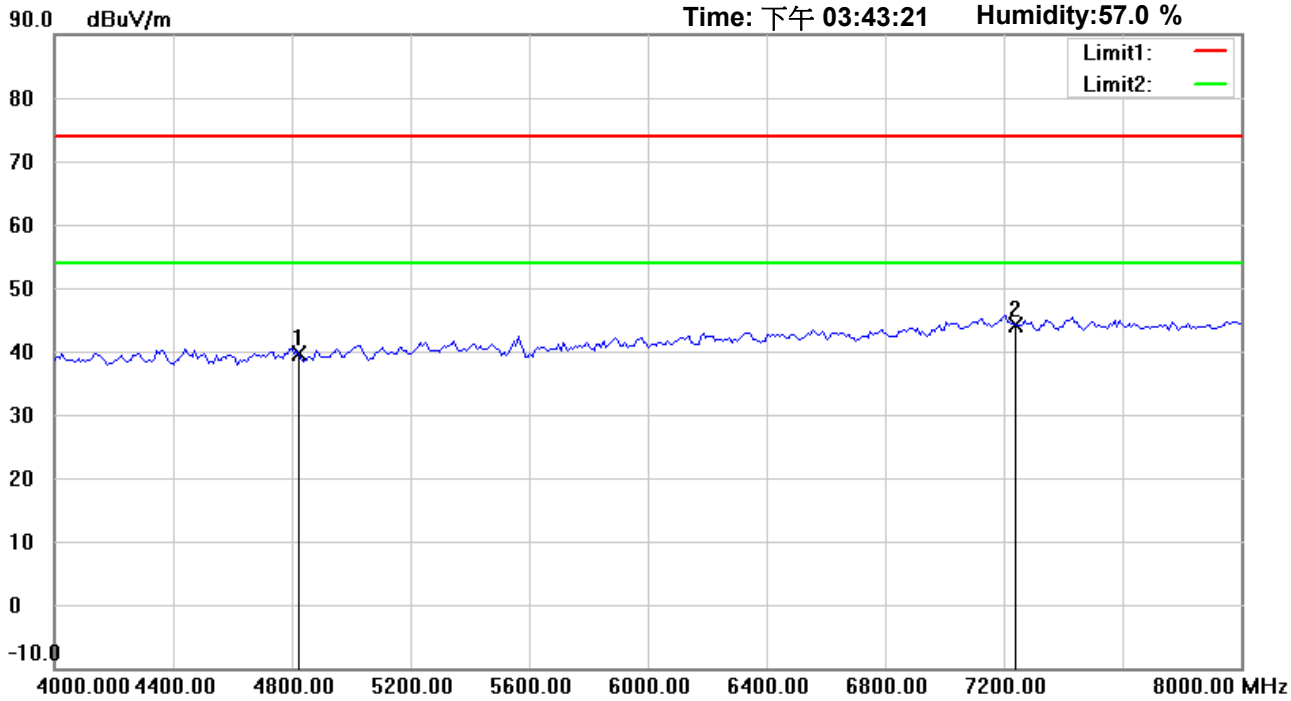
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#2 | Date: 2023/5/24 | Time: 下午 03:43:21 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

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
	4824.000	41.25	peak	-1.65	39.60	74.00	150	110	-34.40	
*	7236.000	40.08	peak	3.93	44.01	74.00	150	23	-29.99	

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

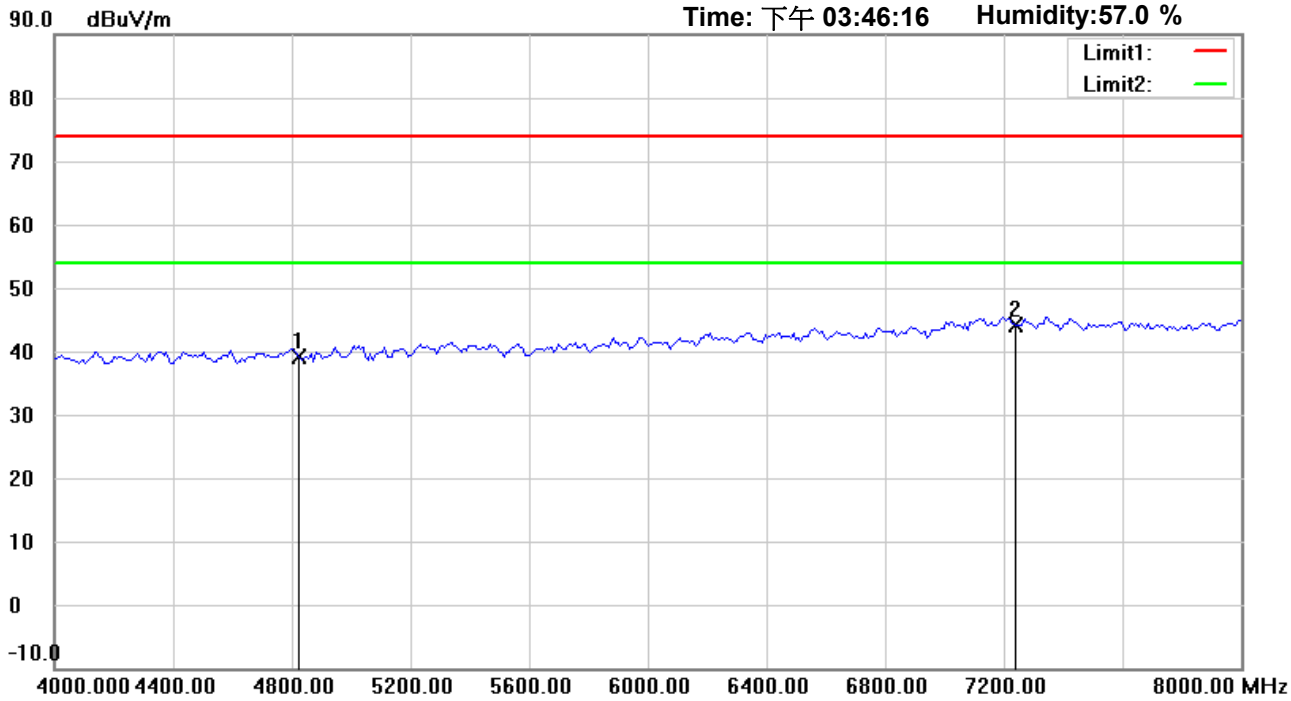
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#7 Date: 2023/5/24 Time: 下午 03:46:16

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

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
	4824.000	40.71	peak	-1.65	39.06	74.00	150	155	-34.94	
*	7236.000	40.24	peak	3.93	44.17	74.00	150	81	-29.83	

*: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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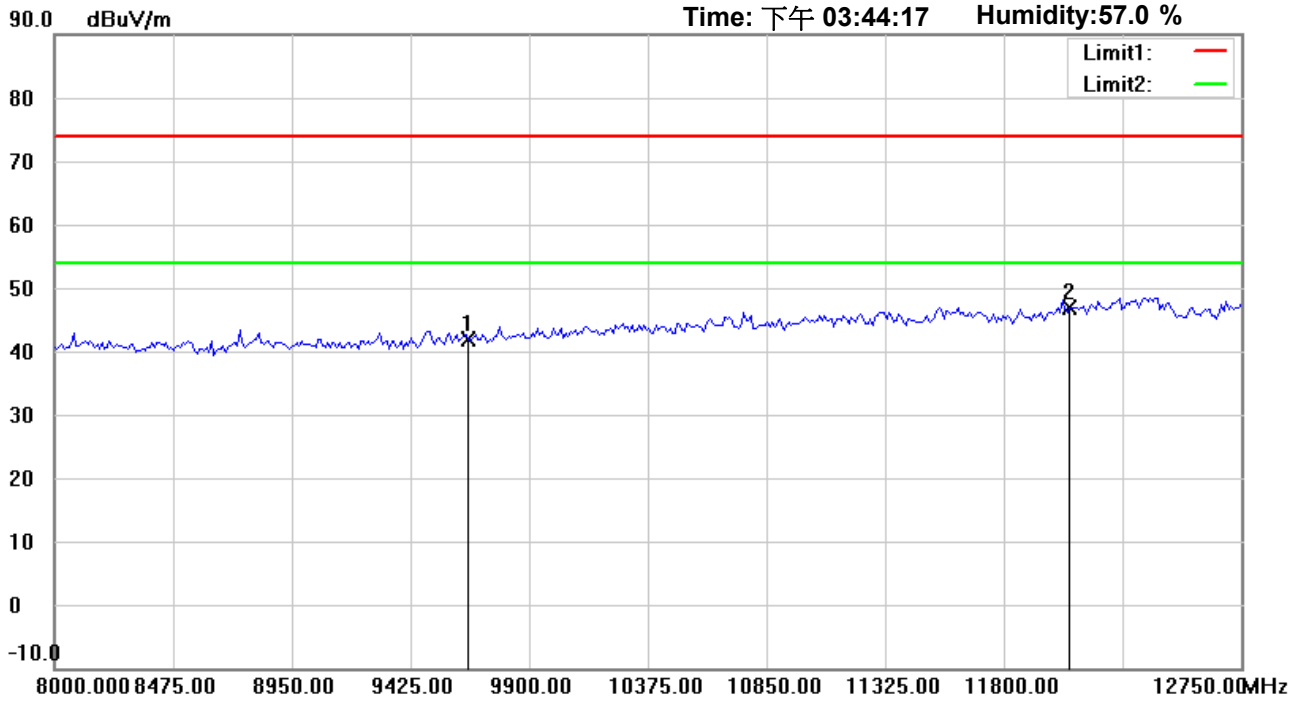
Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2023/5/24 Time: 下午 03:44:17

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

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
	9648.000	35.04	peak	6.81	41.85	74.00	150	136	-32.15	
*	12060.000	34.24	peak	12.53	46.77	74.00	150	98	-27.23	

*: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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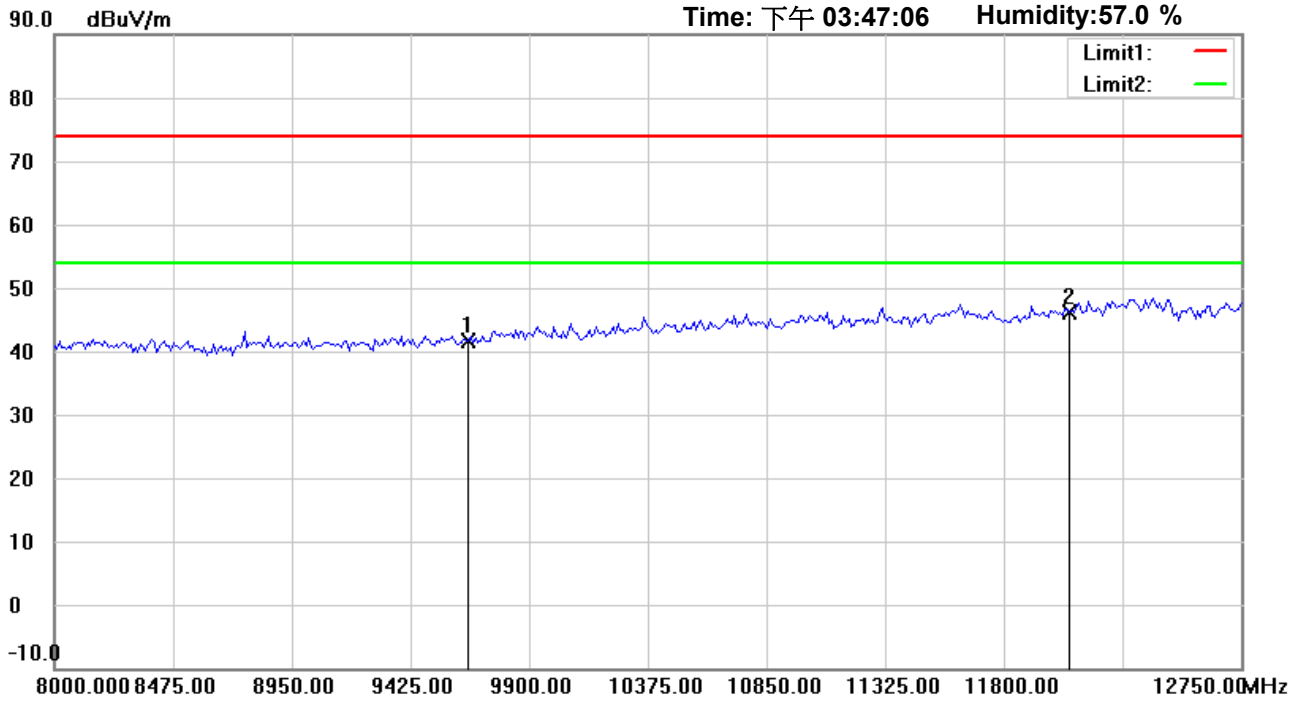
Radiated Emission Measurement

Operator: Kai

File :3 | Data :#8 | Date: 2023/5/24 | Time: 下午 03:47:06 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

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
	9648.000	34.93	peak	6.81	41.74	74.00	150	113	-32.26	
*	12060.000	33.60	peak	12.53	46.13	74.00	150	71	-27.87	

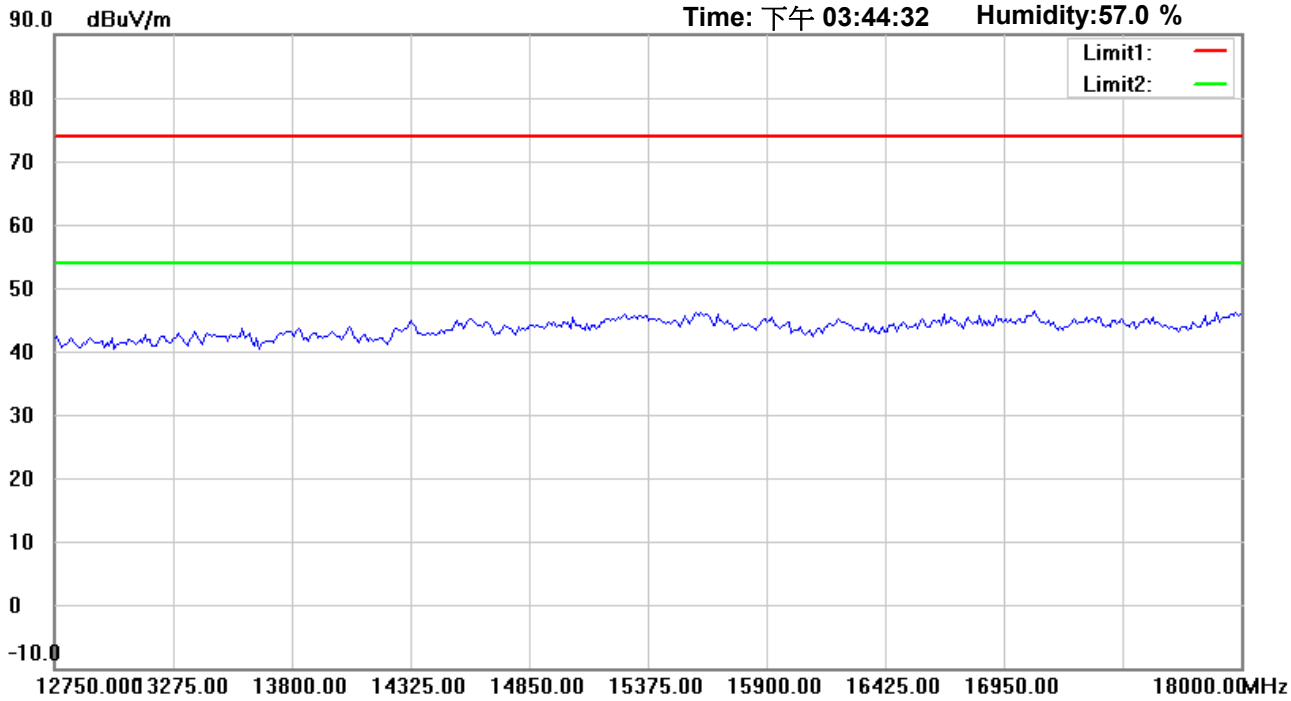
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 03:44:32 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

Note :

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

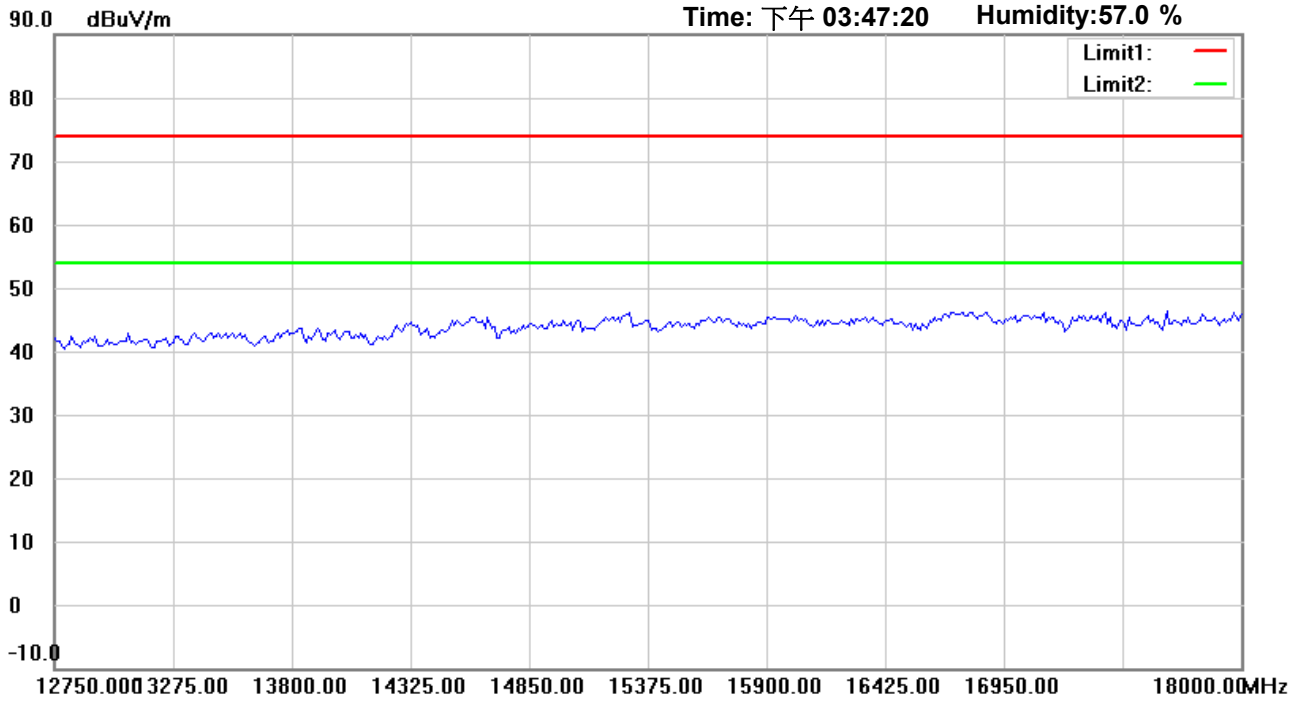
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 03:47:20 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

Note :

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

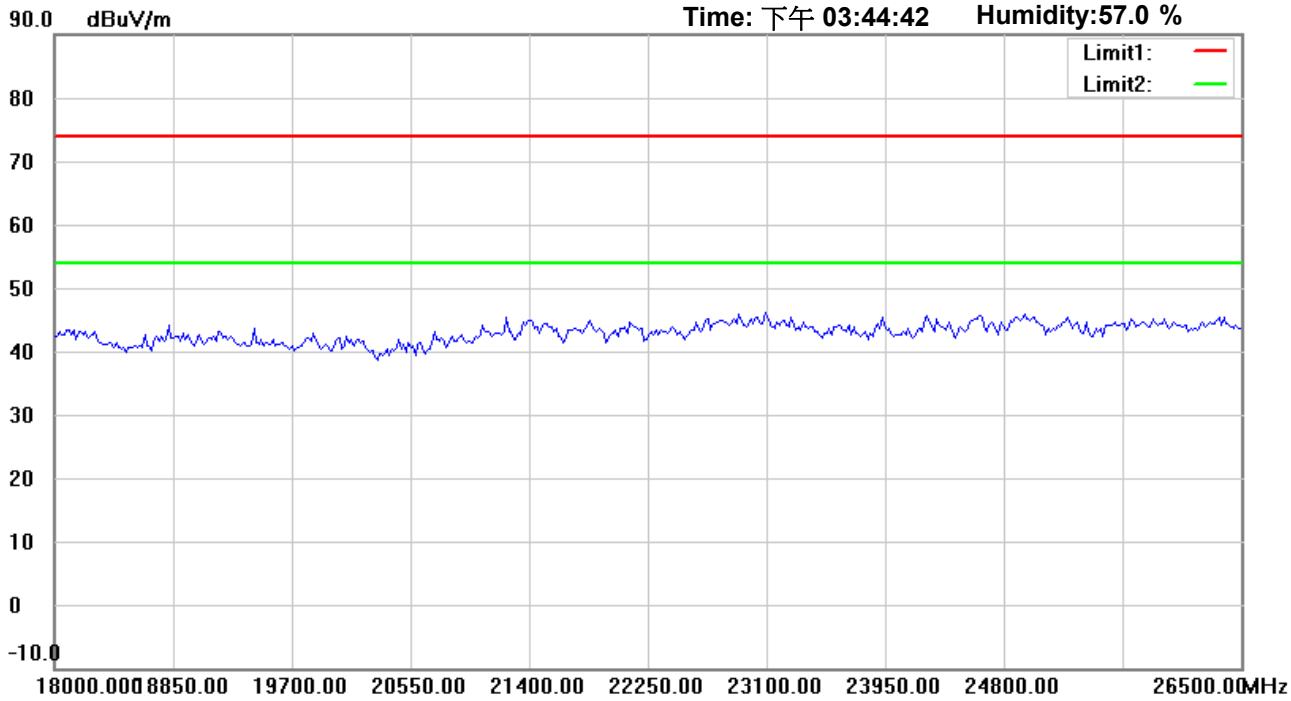
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 03:44:42 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

Note :

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

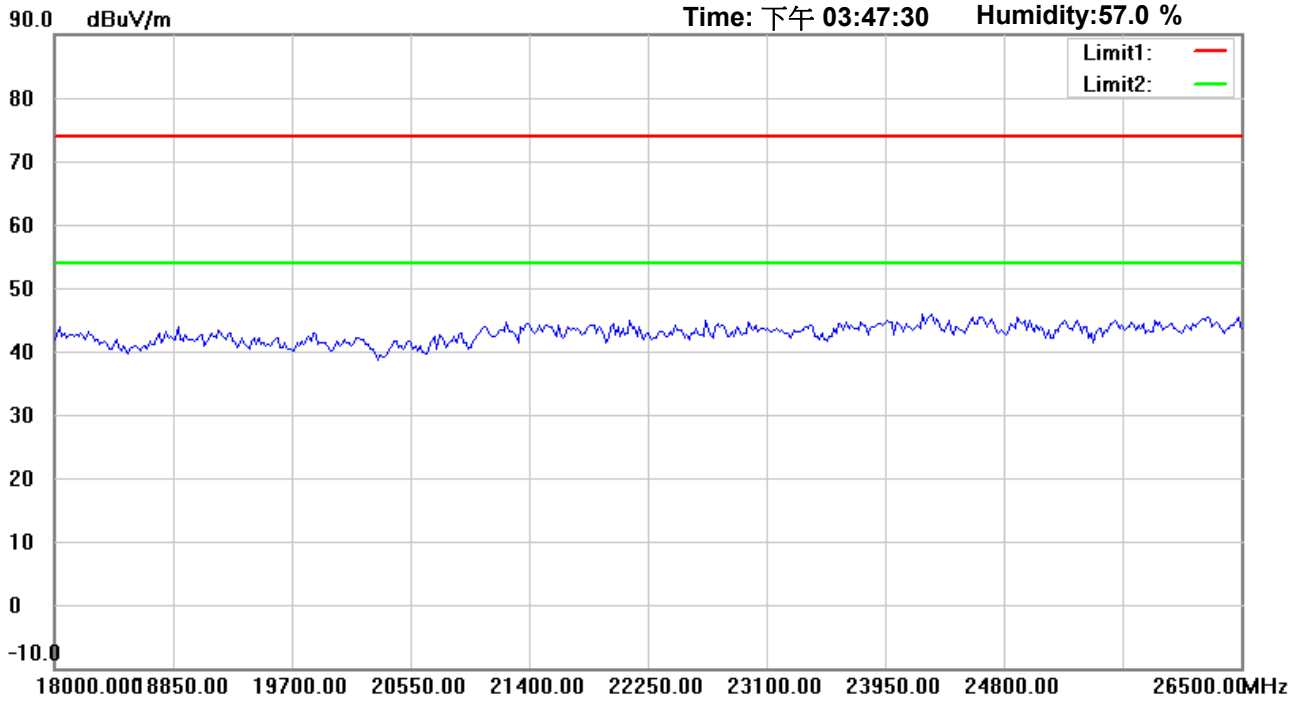
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 03:47:30 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

Note :

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

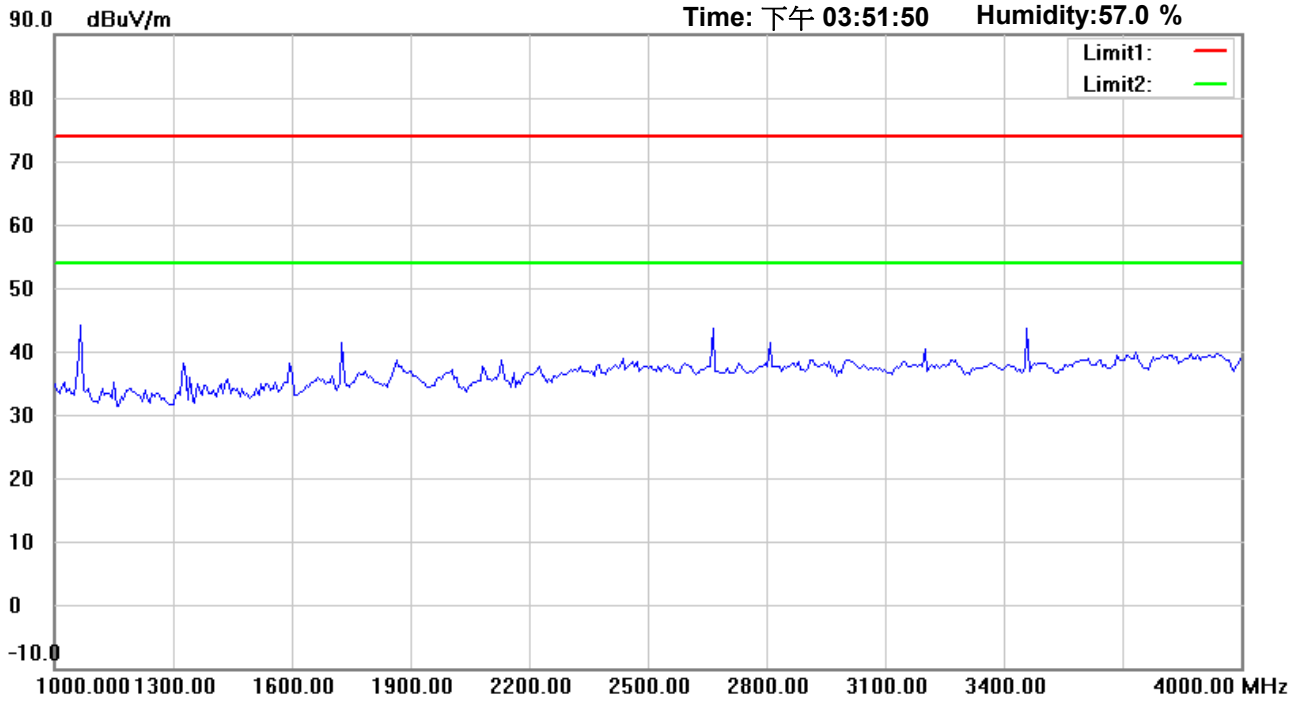
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 03:51:50 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

Note :

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

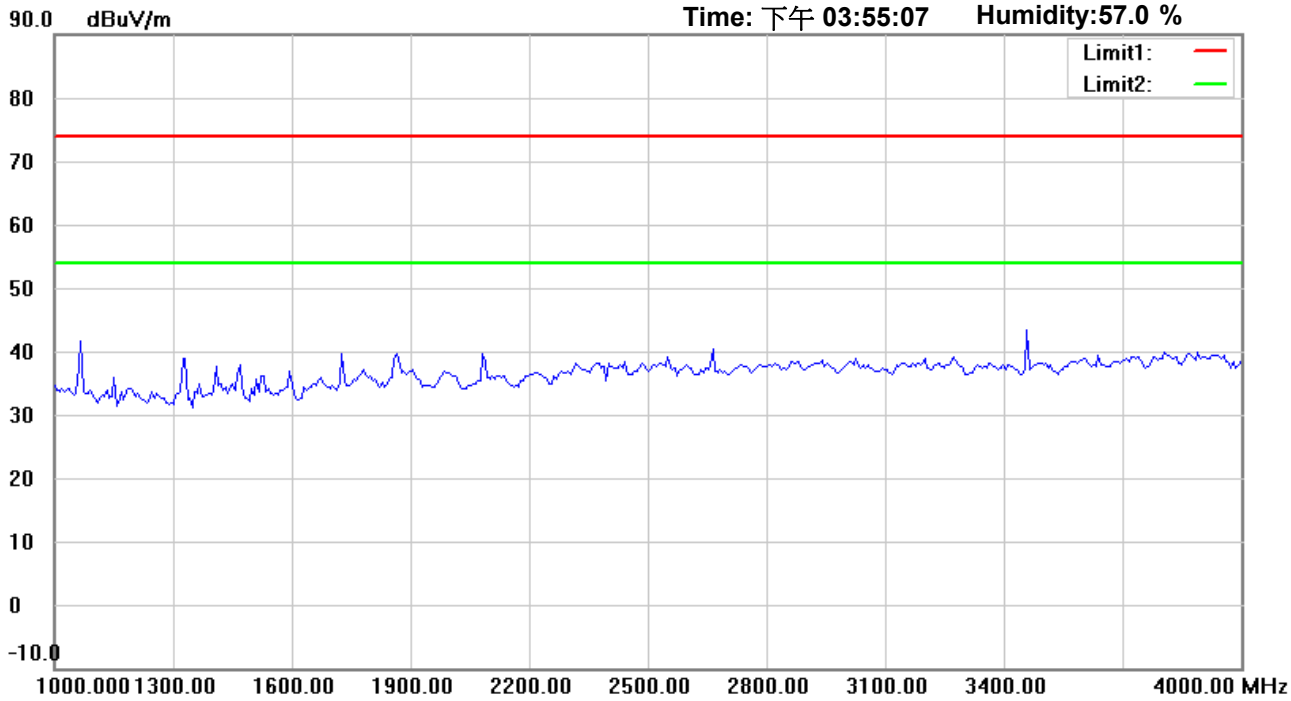
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 03:55:07 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

Note :

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

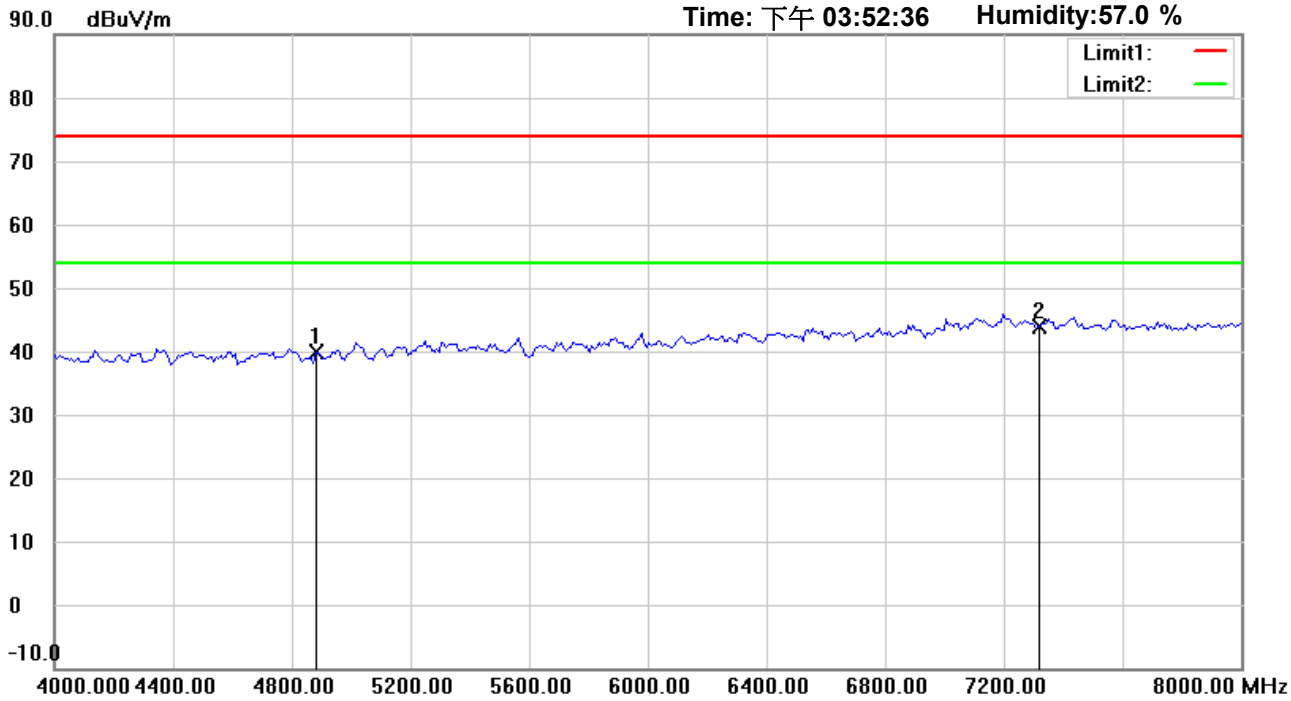
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#2 | Date: 2023/5/24 | Time: 下午 03:52:36 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

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
	4874.000	41.33	peak	-1.43	39.90	74.00	150	105	-34.10	
*	7311.000	39.99	peak	3.82	43.81	74.00	150	25	-30.19	

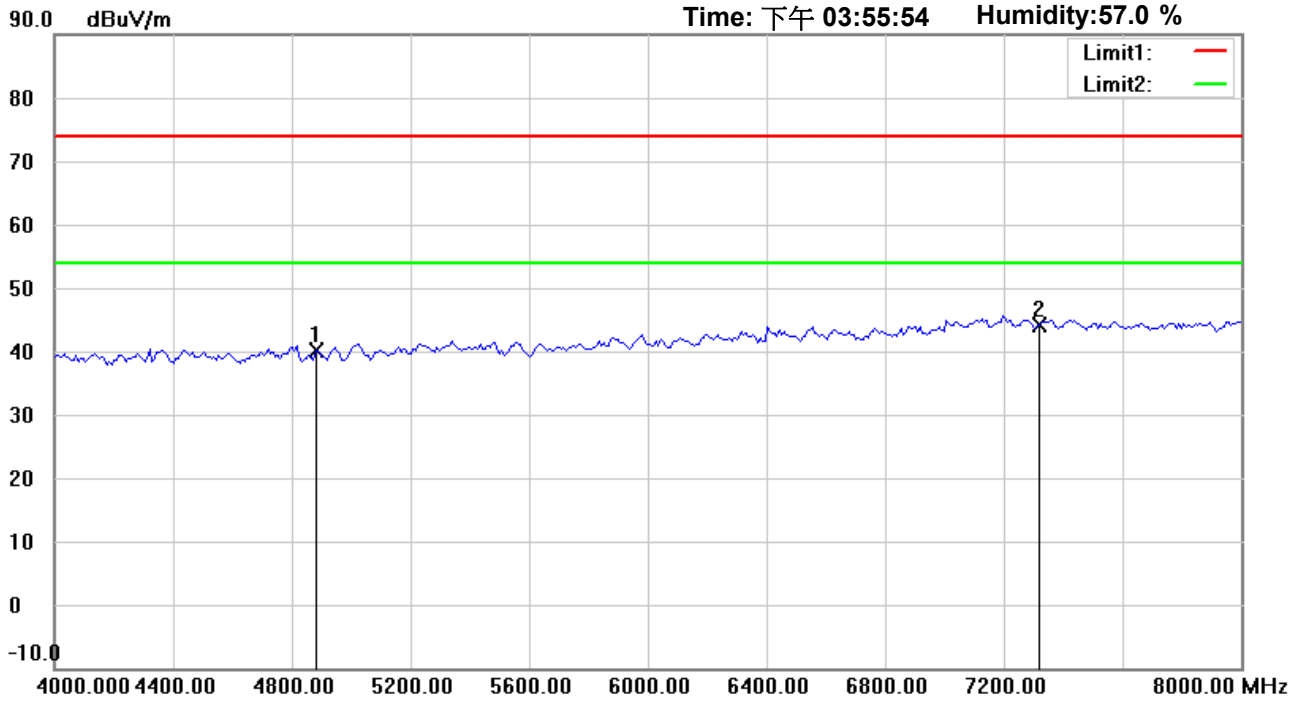
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 03:55:54 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

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
	4874.000	41.53	peak	-1.43	40.10	74.00	150	107	-33.90	
*	7311.000	40.43	peak	3.82	44.25	74.00	150	88	-29.75	

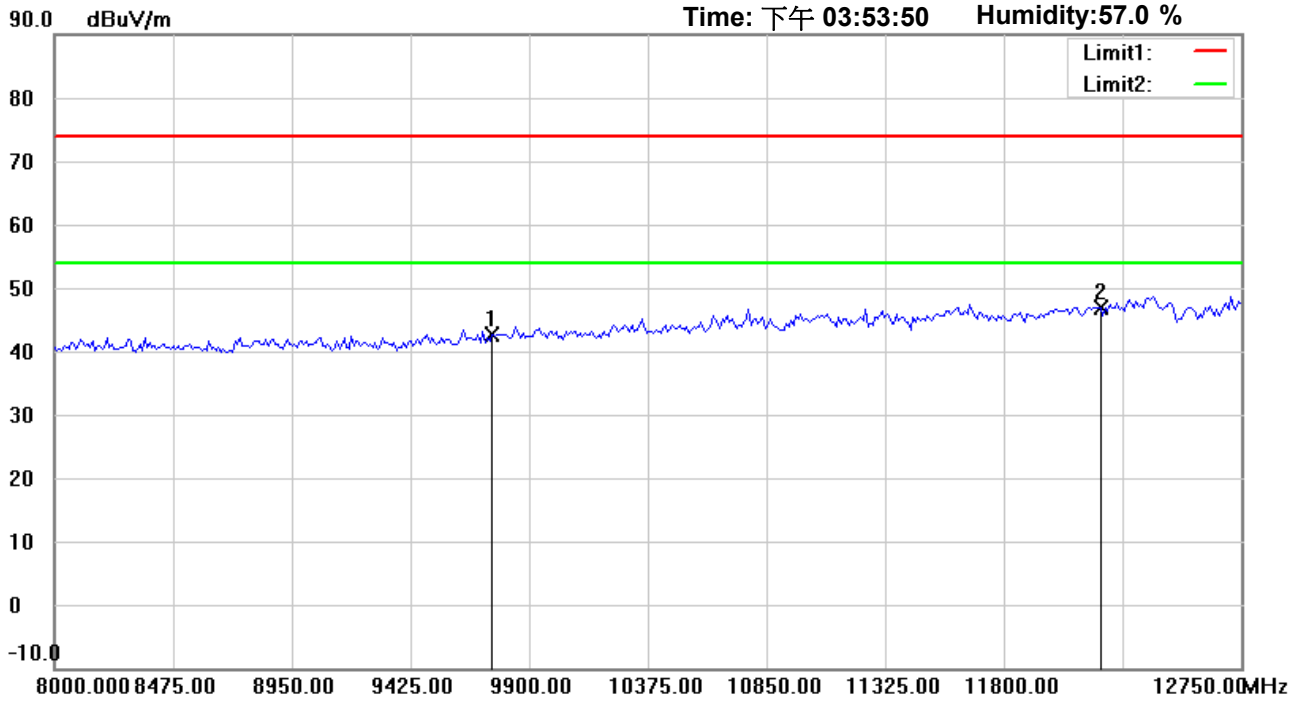
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#3 | Date: 2023/5/24 | Time: 下午 03:53:50 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

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
	9748.000	35.62	peak	6.98	42.60	74.00	150	223	-31.40	
*	12185.000	33.29	peak	13.49	46.78	74.00	150	36	-27.22	

*: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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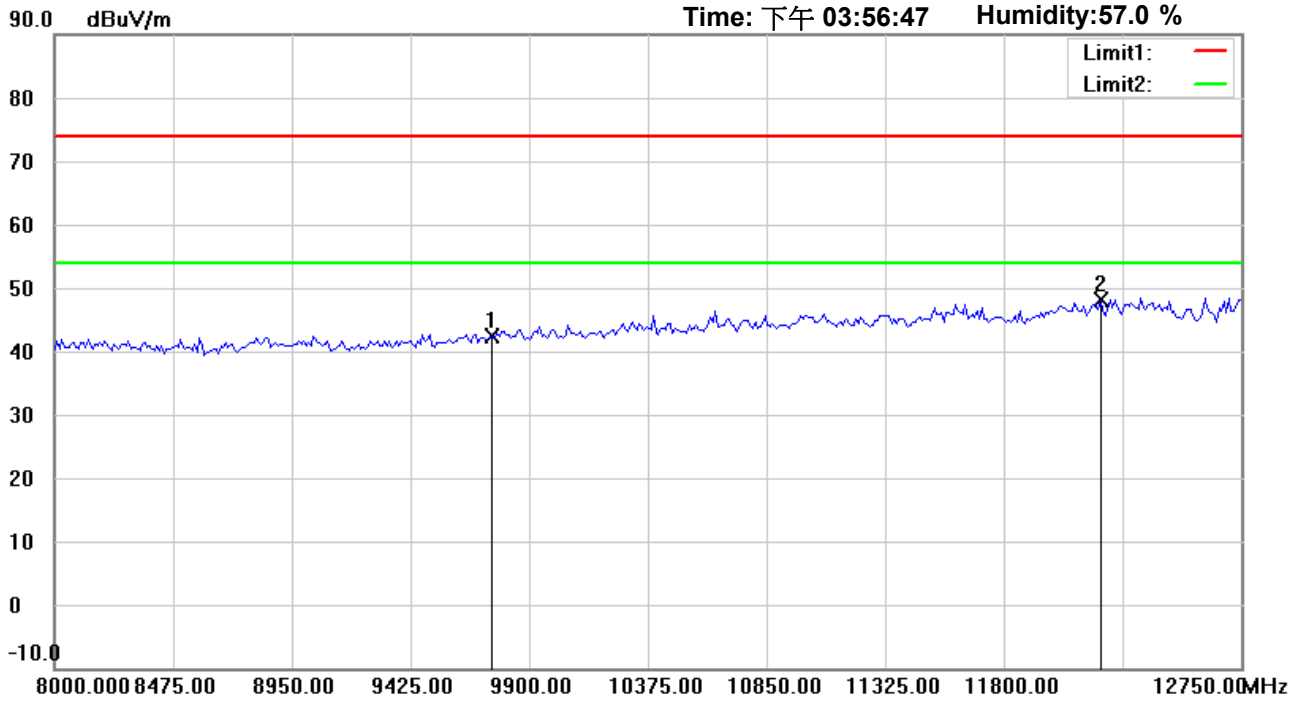
Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2023/5/24 Time: 下午 03:56:47

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

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
	9748.000	35.35	peak	6.98	42.33	74.00	150	166	-31.67	
*	12185.000	34.54	peak	13.49	48.03	74.00	150	34	-25.97	

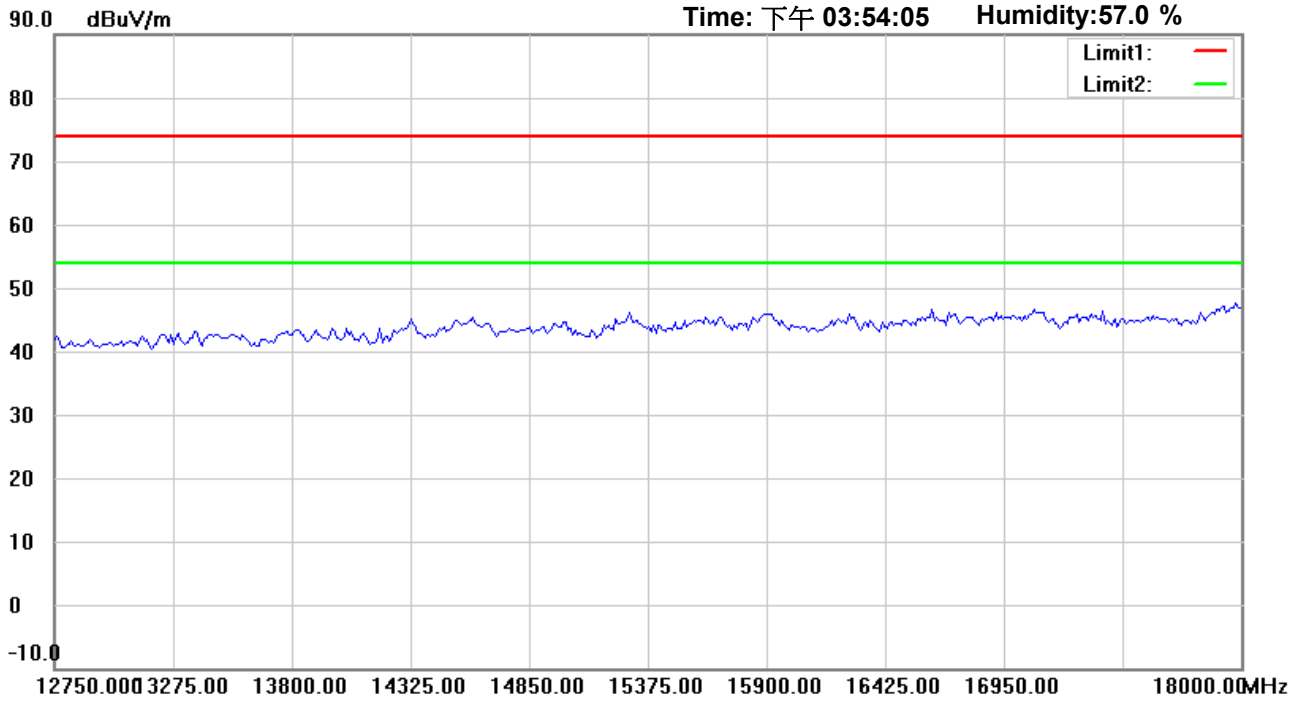
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 03:54:05 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

Note :

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

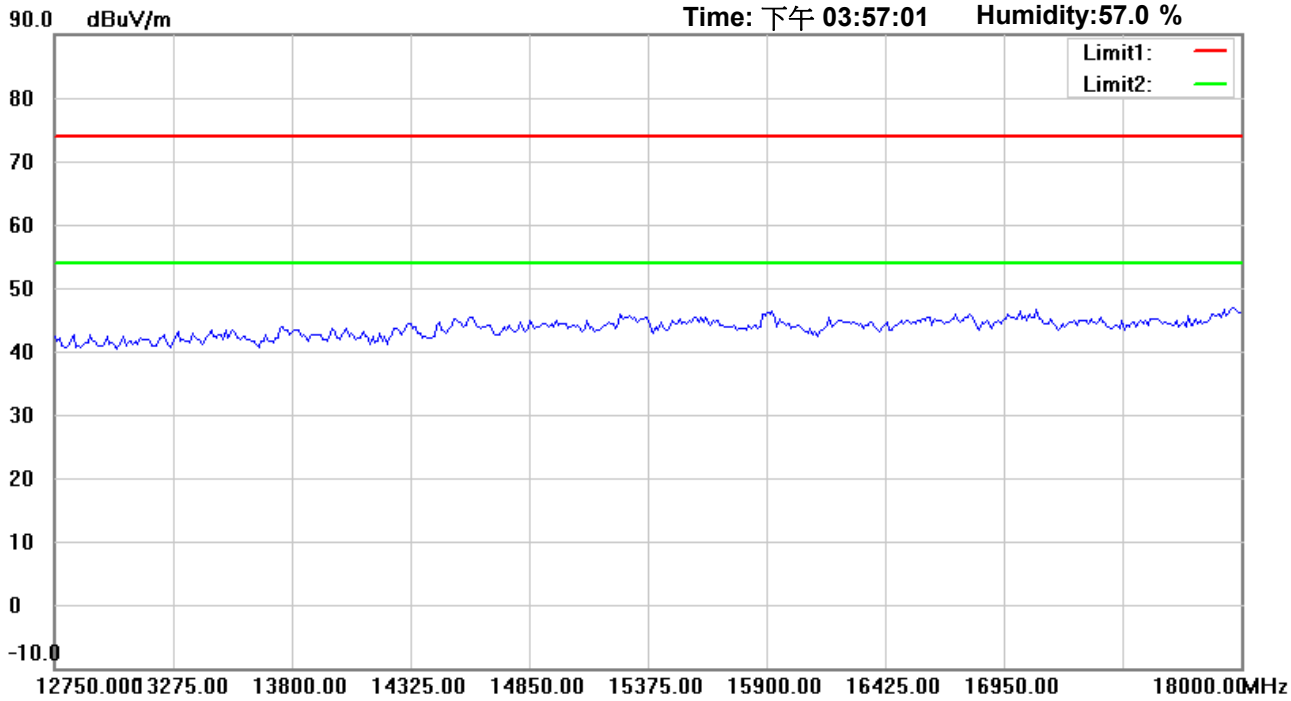
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 03:57:01 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

Note :

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

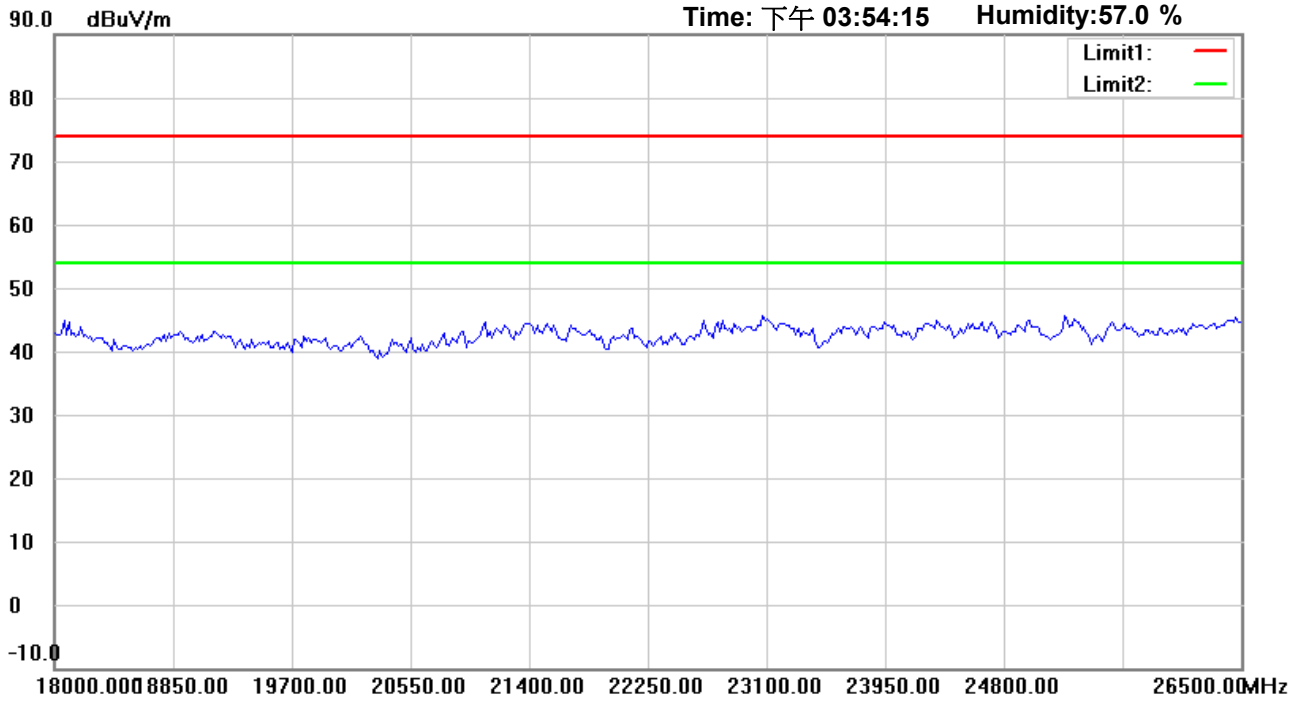
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 03:54:15 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

Note :

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

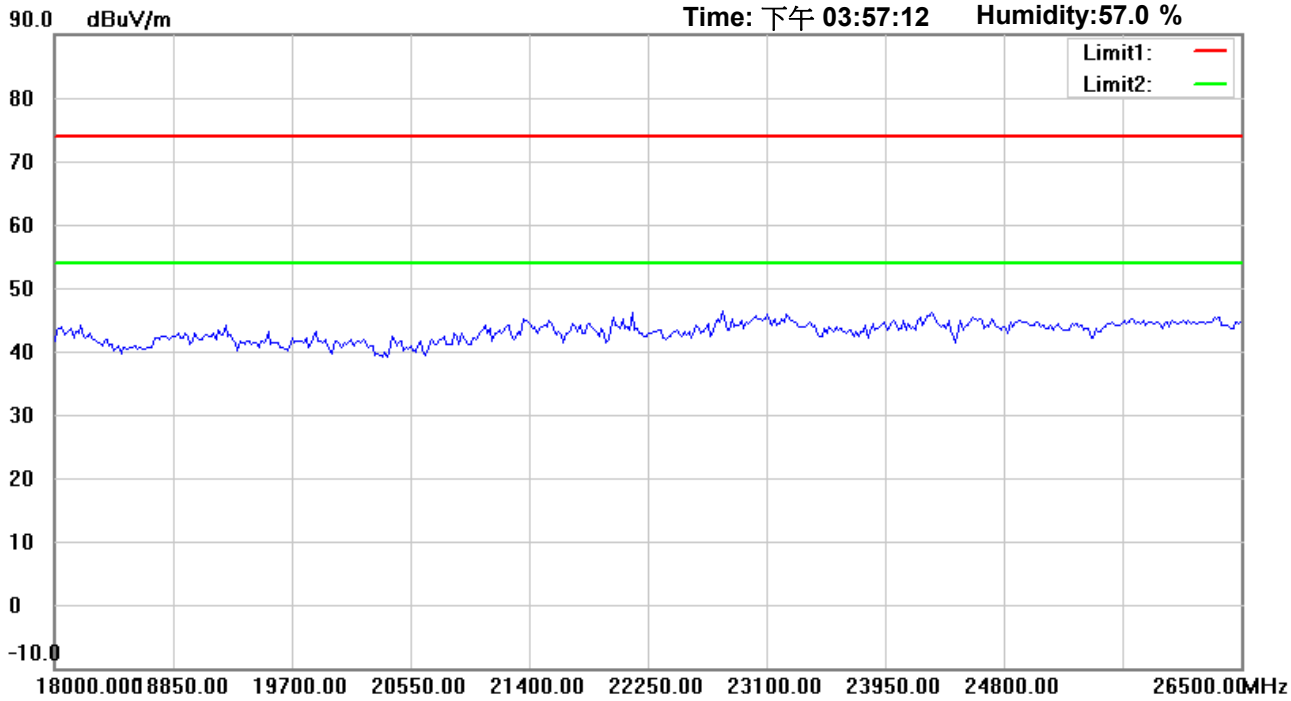
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 03:57:12 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH6

Note :

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

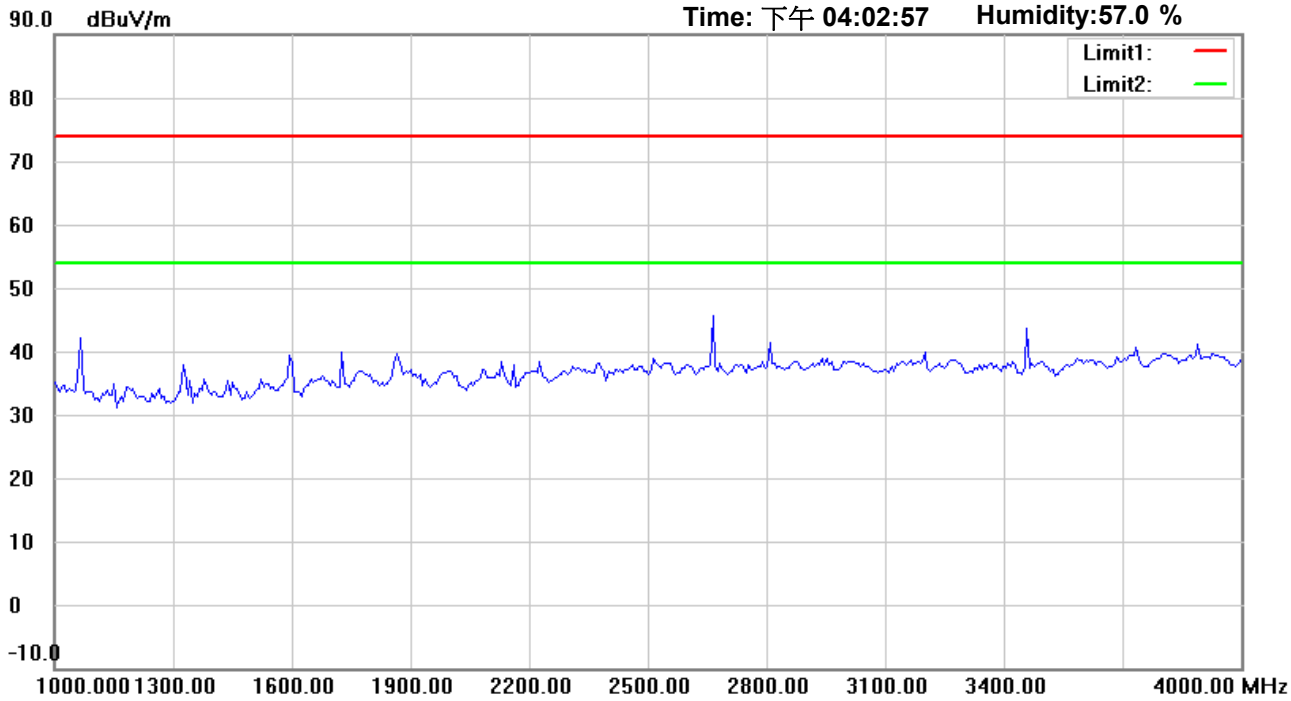
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#1 | Date: 2023/5/24 | Time: 下午 04:02:57 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

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

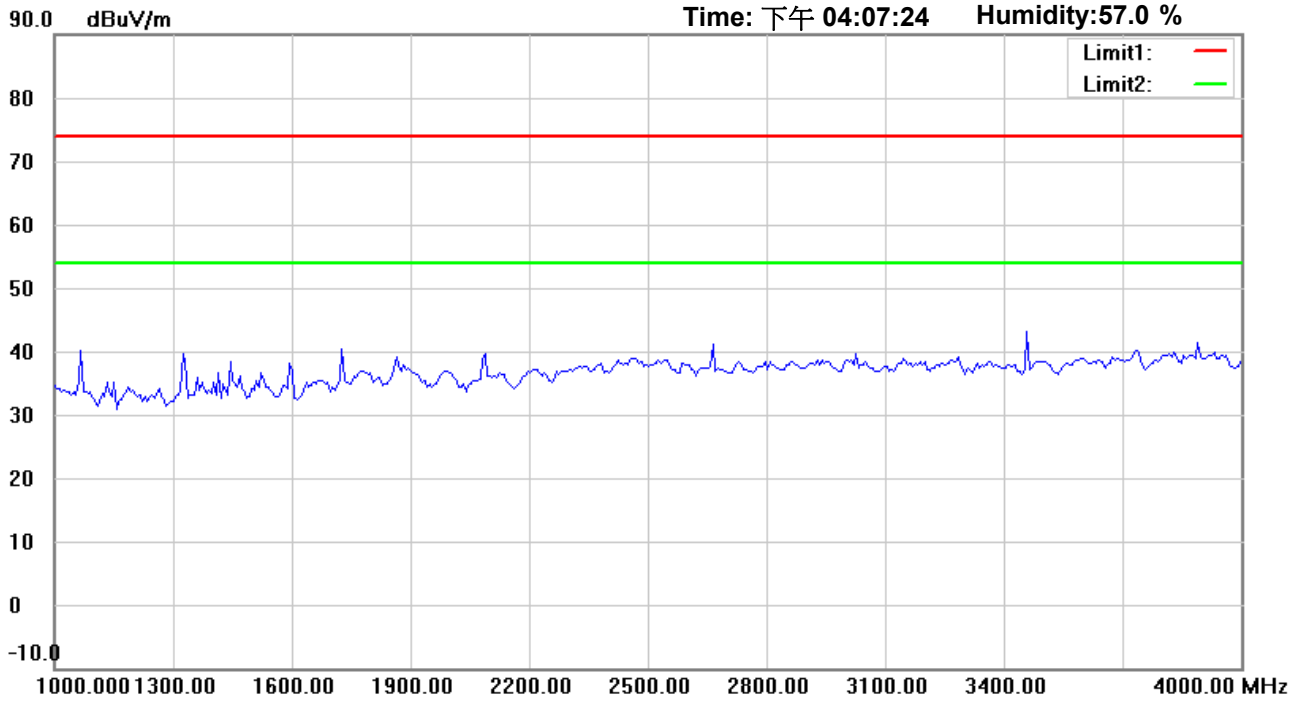
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#6 | Date: 2023/5/24 | Time: 下午 04:07:24 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

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

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

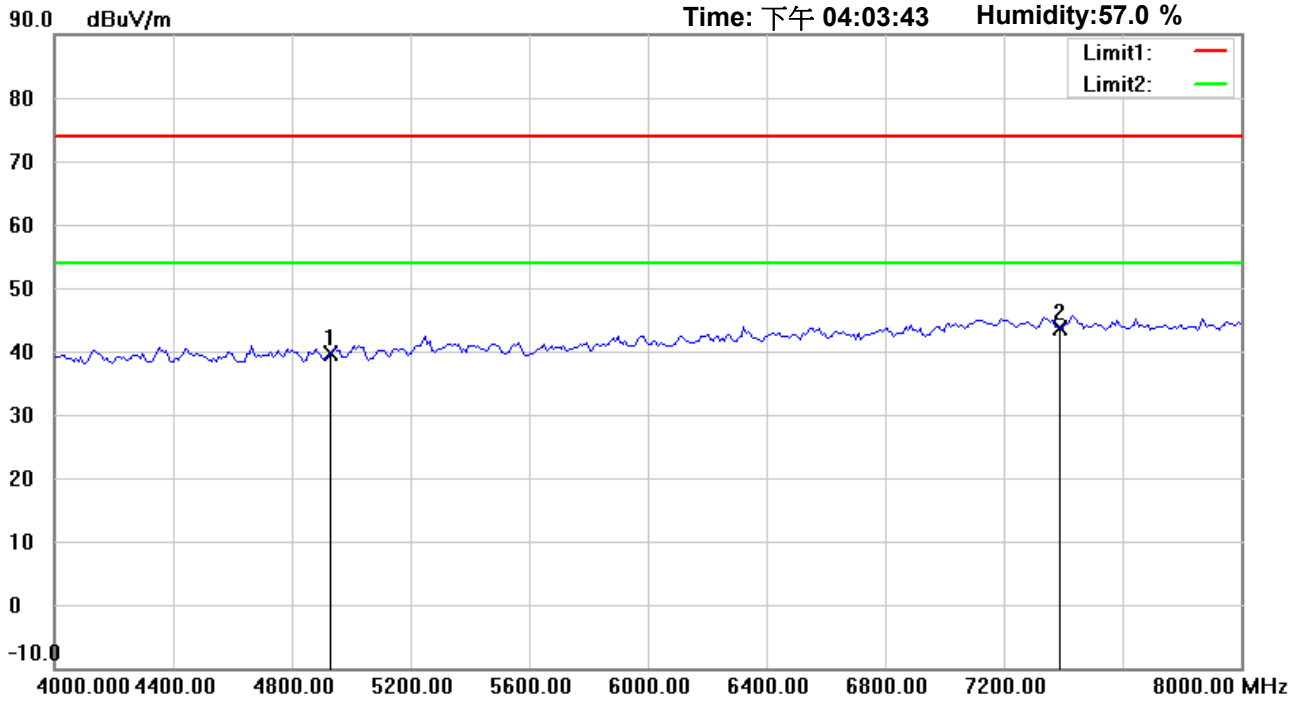
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#2 Date: 2023/5/24 Time: 下午 04:03:43

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

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
	4924.000	40.64	peak	-1.11	39.53	74.00	150	32	-34.47	
*	7386.000	39.61	peak	4.06	43.67	74.00	150	77	-30.33	

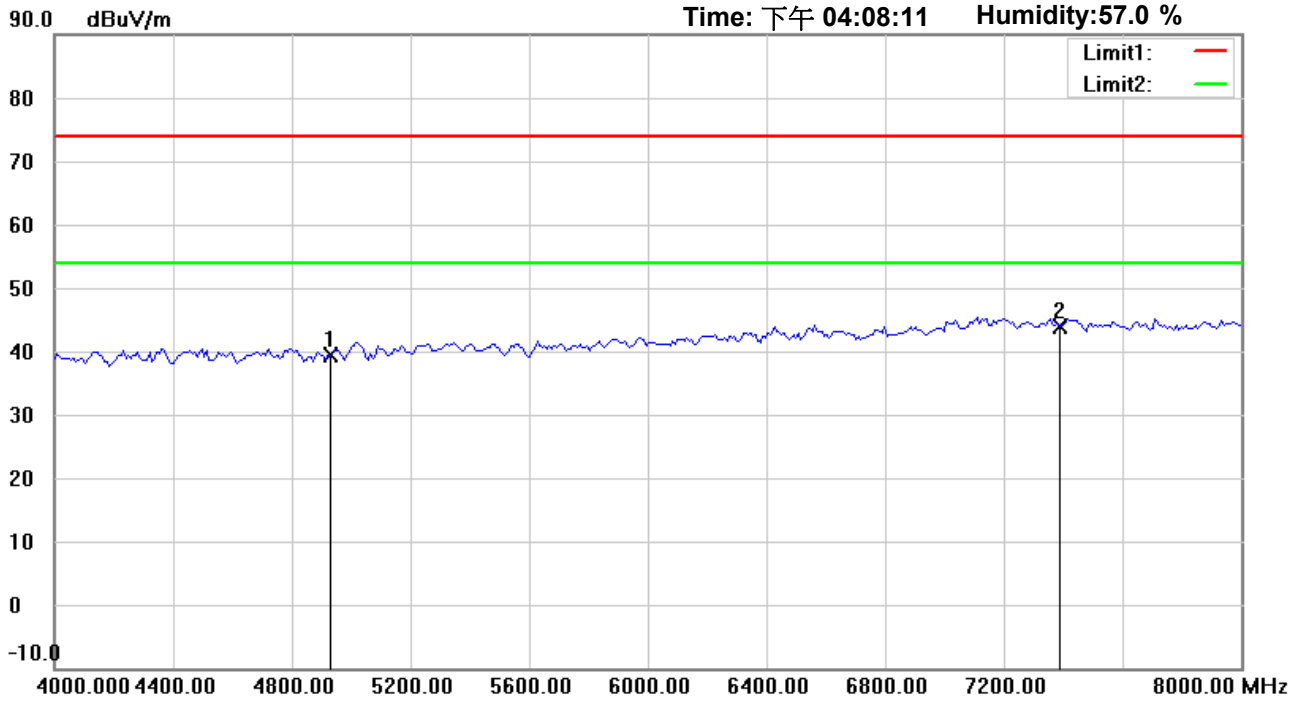
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#7 | Date: 2023/5/24 | Time: 下午 04:08:11 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

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
	4924.000	40.56	peak	-1.11	39.45	74.00	150	160	-34.55	
*	7386.000	39.90	peak	4.06	43.96	74.00	150	110	-30.04	

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

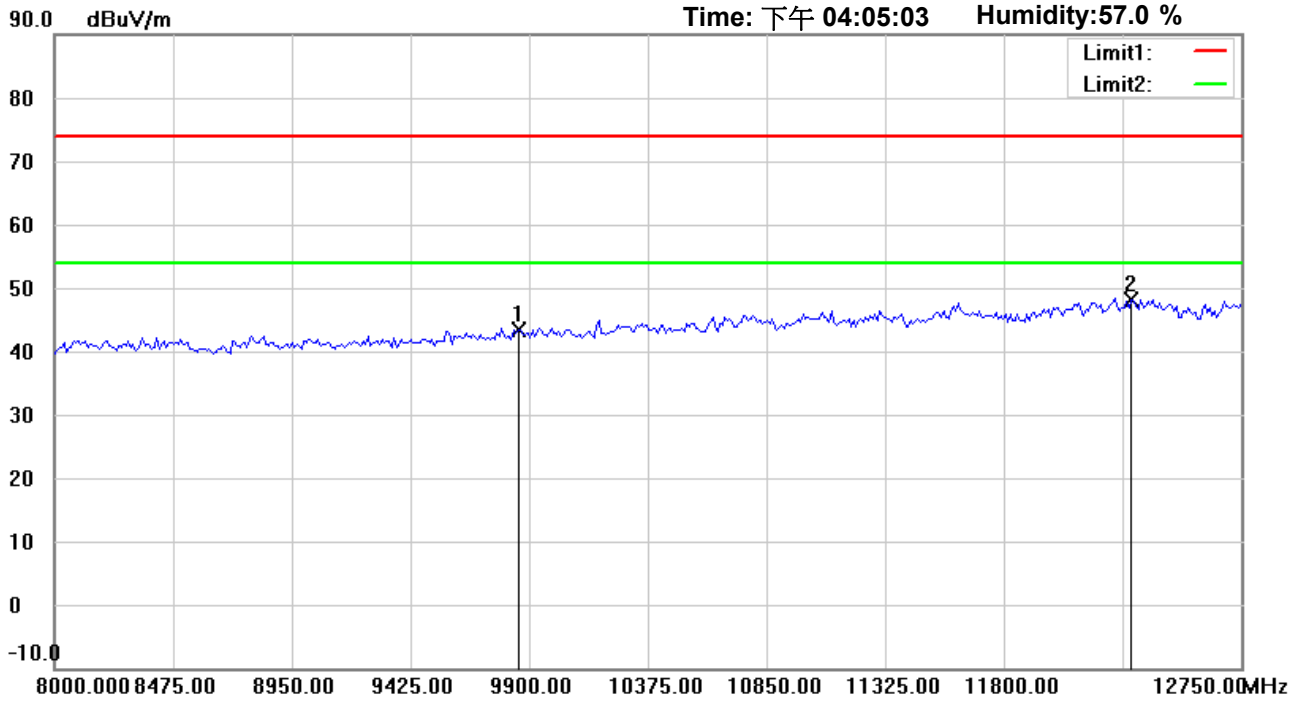
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#3 Date: 2023/5/24 Time: 下午 04:05:03

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

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
	9848.000	36.00	peak	7.32	43.32	74.00	150	31	-30.68	
*	12310.000	35.05	peak	13.20	48.25	74.00	150	149	-25.75	

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

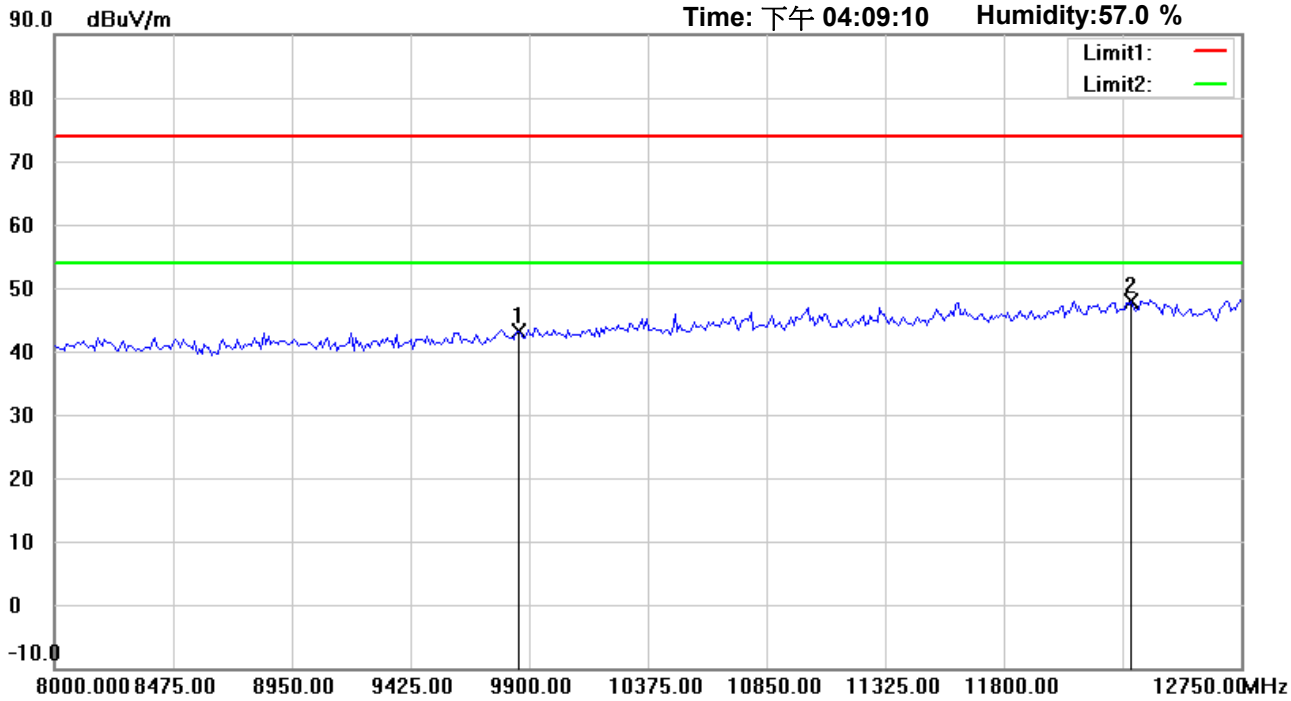
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8875

Radiated Emission Measurement

Operator: Kai

File :3 Data :#8 Date: 2023/5/24 Time: 下午 04:09:10

Temperature:25.6 ℃
Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

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
	9848.000	35.72	peak	7.32	43.04	74.00	150	188	-30.96	
*	12310.000	34.59	peak	13.20	47.79	74.00	150	222	-26.21	

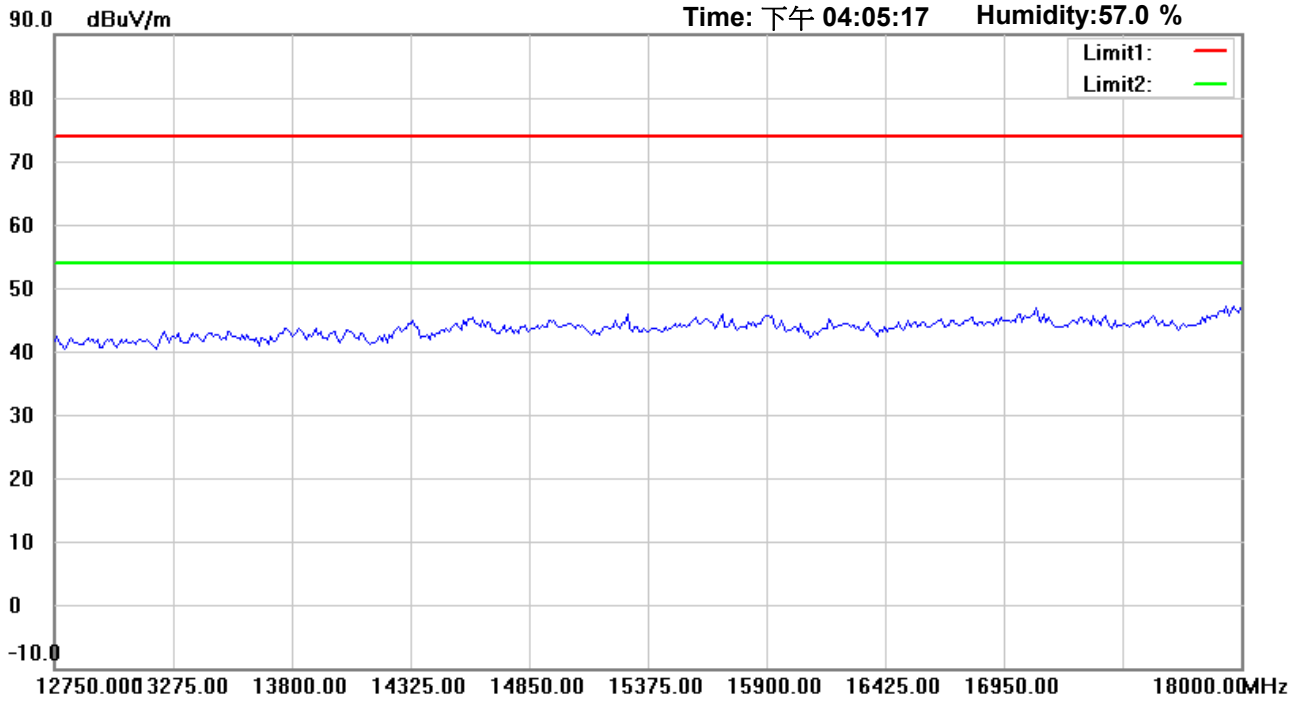
*:Maximum data x:Over limit !:over margin

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: Kai

File :3 | Data :#4 | Date: 2023/5/24 | Time: 下午 04:05:17 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

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

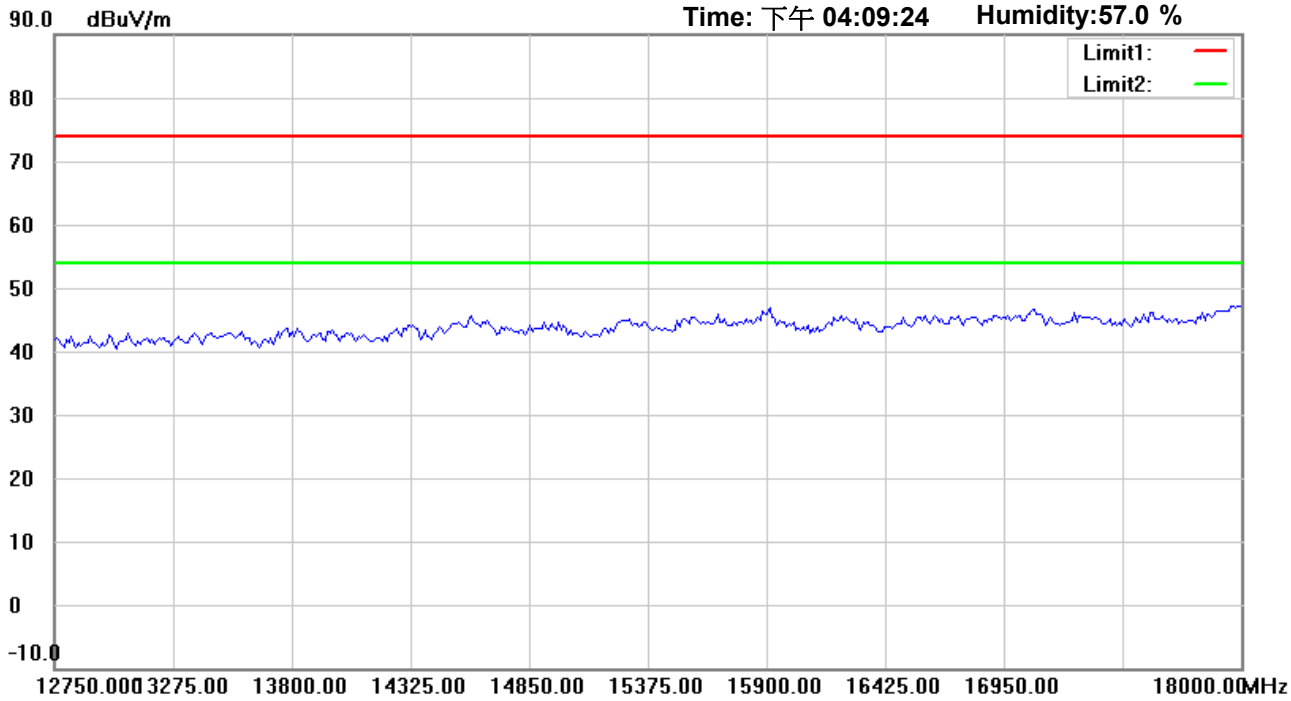
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#9 | Date: 2023/5/24 | Time: 下午 04:09:24 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

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

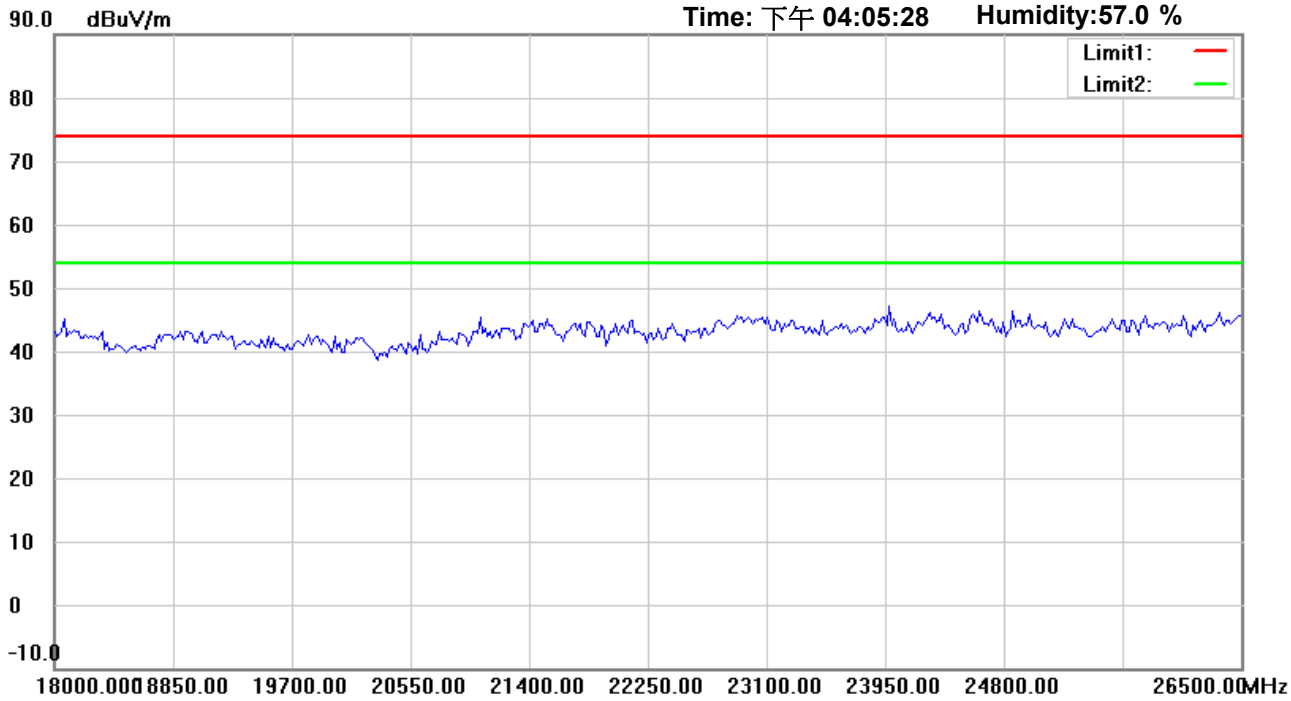
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#5 | Date: 2023/5/24 | Time: 下午 04:05:28 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

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

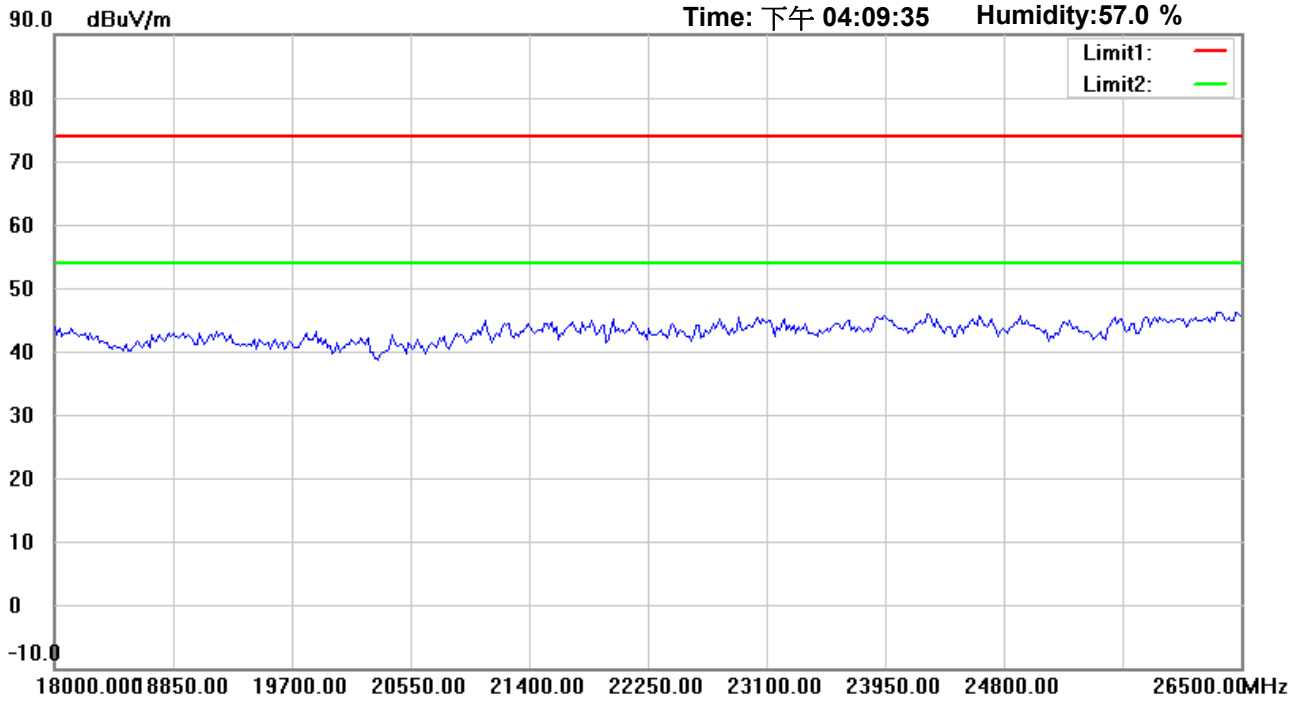
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :3 | Data :#10 | Date: 2023/5/24 | Time: 下午 04:09:35 | Temperature:25.6 ℃ | Humidity:57.0 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

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

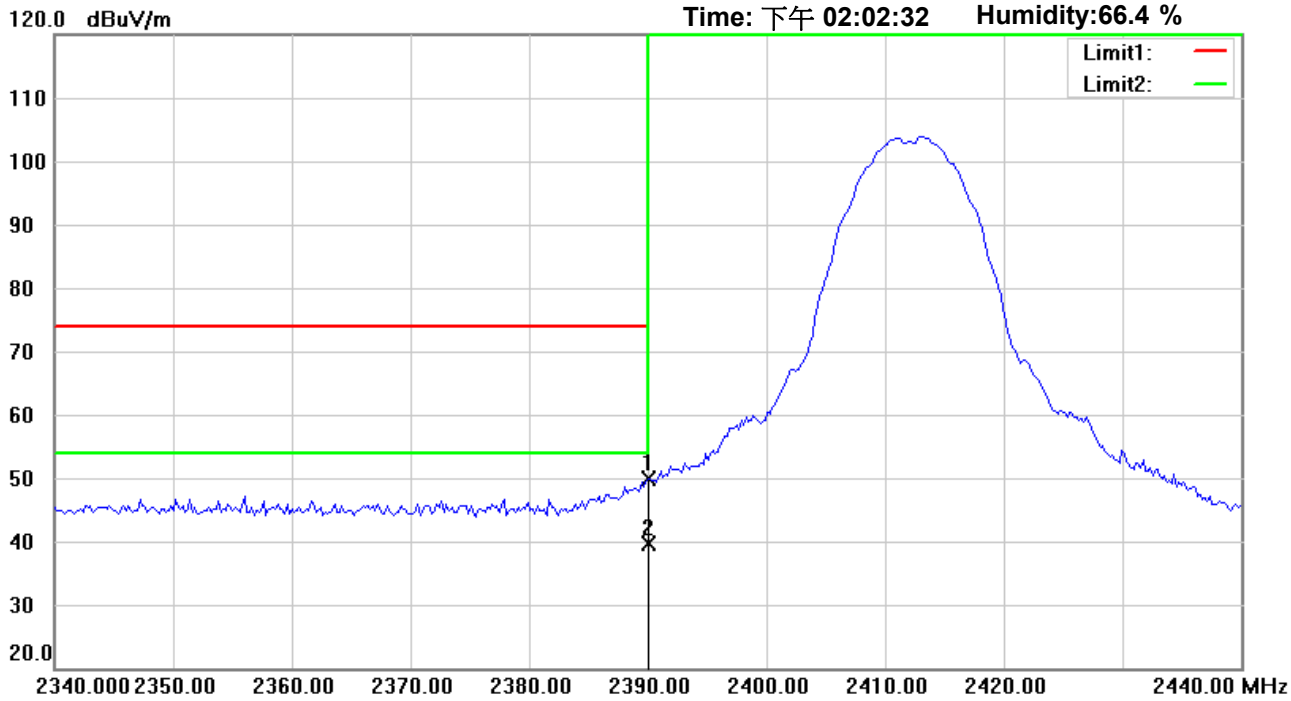
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :Bandedge | Data :#1 | Date: 2023/5/31 | Time: 下午 02:02:32 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
	2390.000	12.82	peak	37.04	49.86	74.00	229	235	-24.14	
*	2390.000	2.51	AVG	37.04	39.55	54.00	229	235	-14.45	

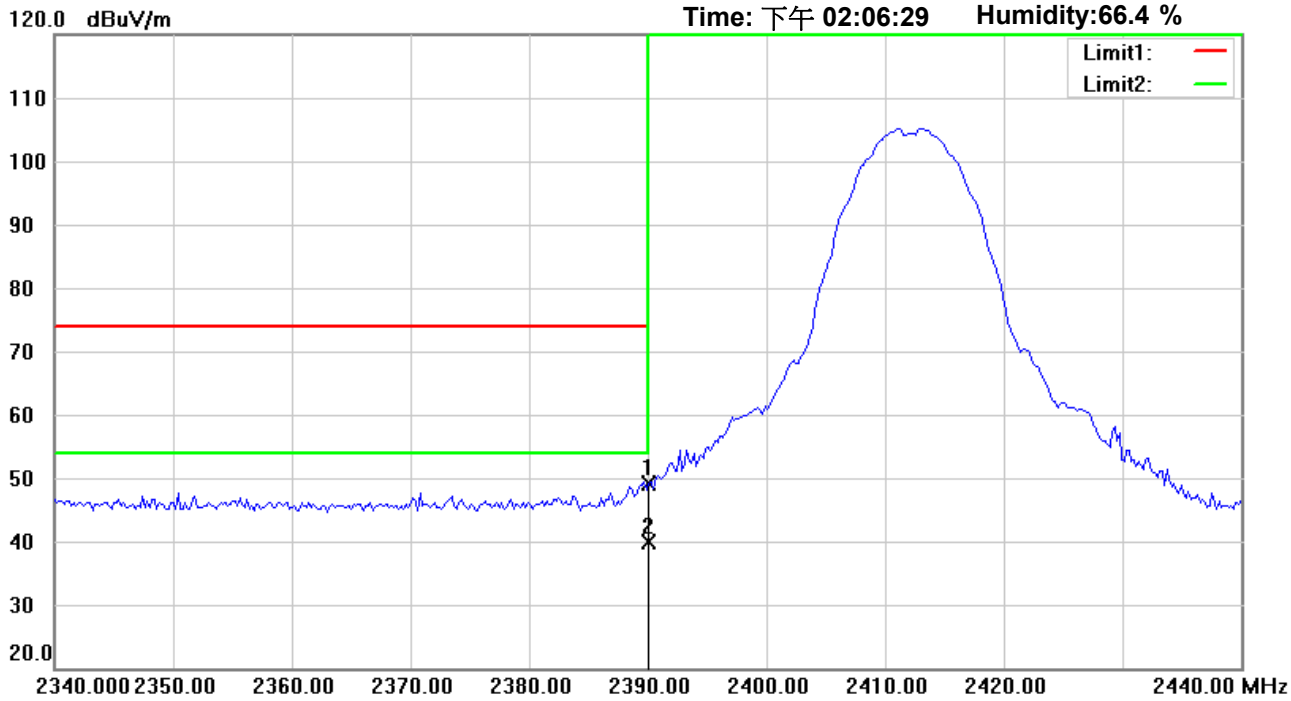
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#2 | Date: 2023/5/31 | Time: 下午 02:06:29 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH1

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
	2390.000	12.09	peak	37.04	49.13	74.00	150	240	-24.87	
*	2390.000	2.77	AVG	37.04	39.81	54.00	150	240	-14.19	

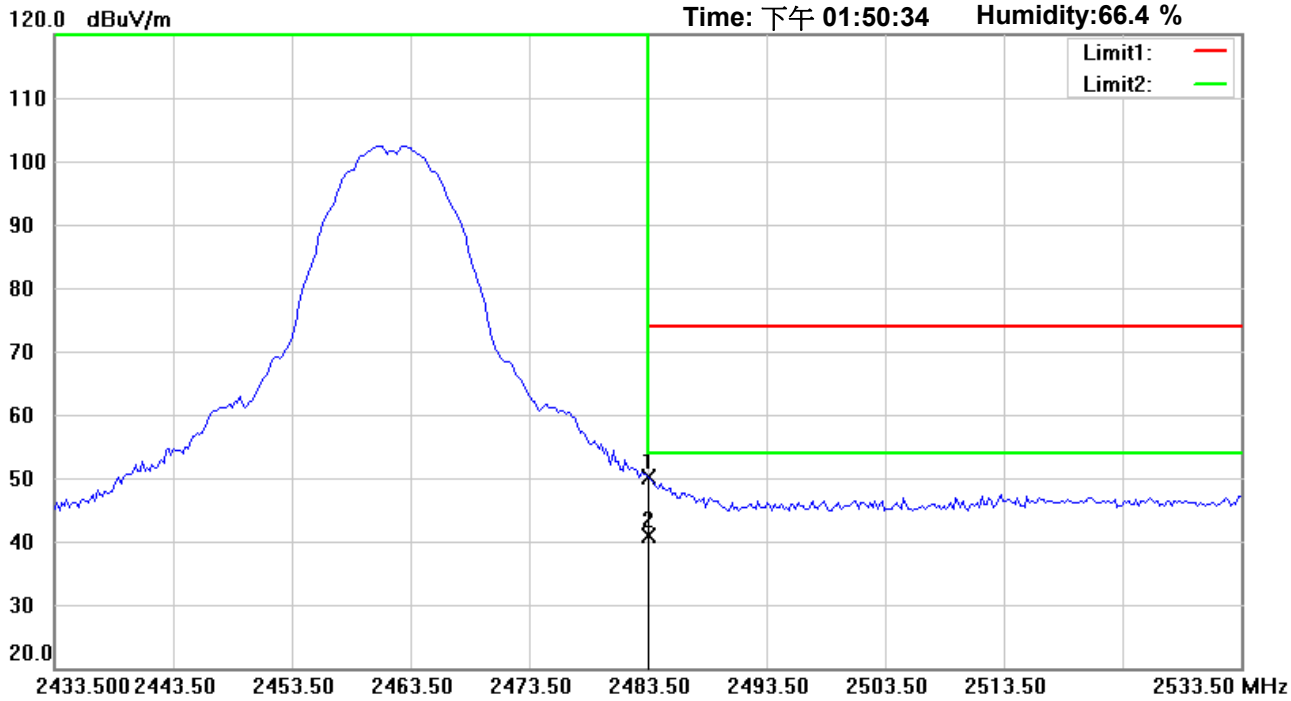
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#1 | Date: 2023/5/31 | Time: 下午 01:50:34 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	12.29	peak	37.88	50.17	74.00	233	234	-23.83	
*	2483.500	3.06	AVG	37.88	40.94	54.00	223	234	-13.06	

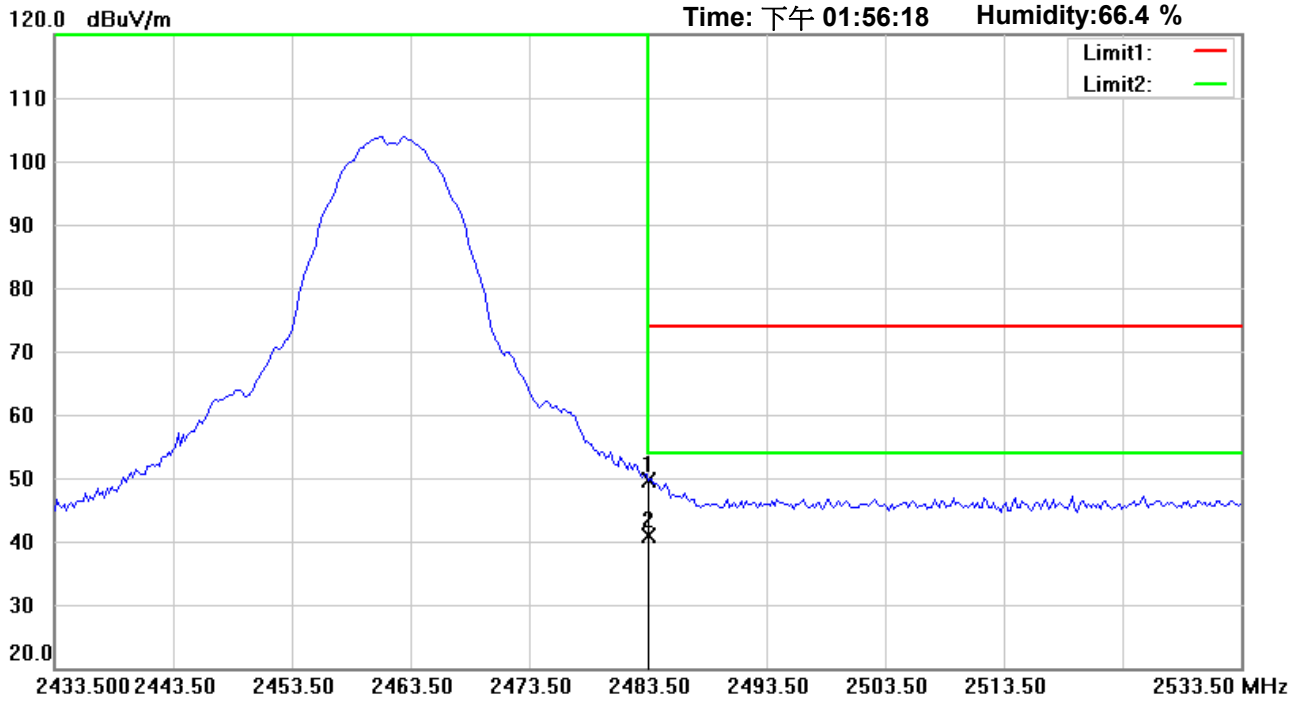
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#2 | Date: 2023/5/31 | Time: 下午 01:56:18 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11b CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	11.81	peak	37.88	49.69	74.00	150	238	-24.31	
*	2483.500	3.08	AVG	37.88	40.96	54.00	150	238	-13.04	

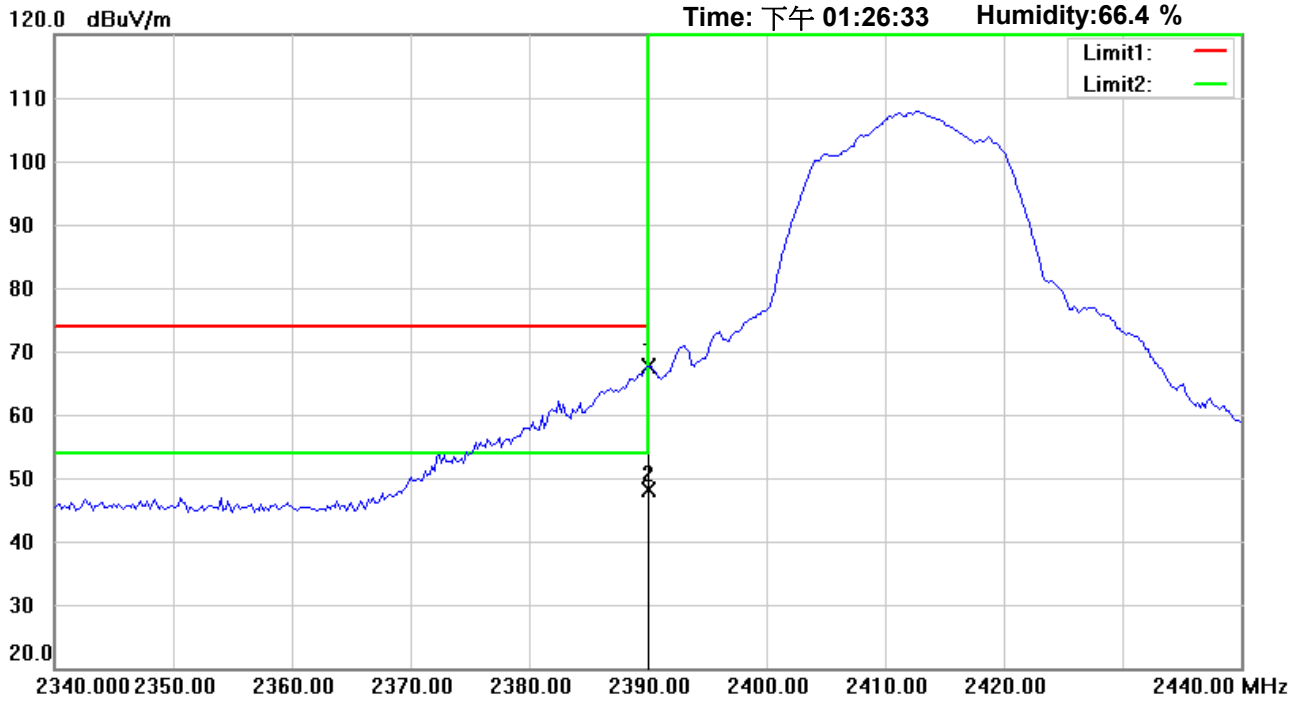
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#1 | Date: 2023/5/31 | Time: 下午 01:26:33 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

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
	2390.000	30.63	peak	37.04	67.67	74.00	156	239	-6.33	
*	2390.000	11.02	AVG	37.04	48.06	54.00	156	239	-5.94	

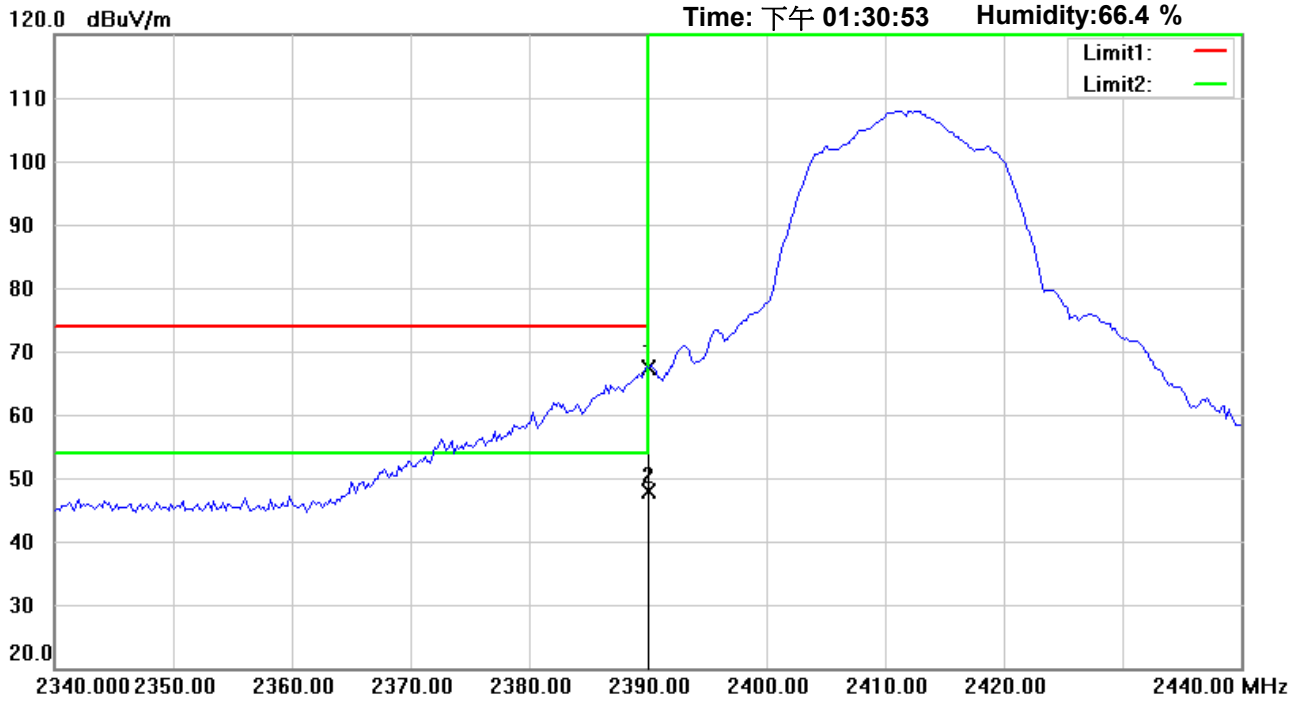
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :Bandedge | Data :#2 | Date: 2023/5/31 | Time: 下午 01:30:53 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH1

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
	2390.000	30.45	peak	37.04	67.49	74.00	150	244	-6.51	
*	2390.000	10.88	AVG	37.04	47.92	54.00	150	244	-6.08	

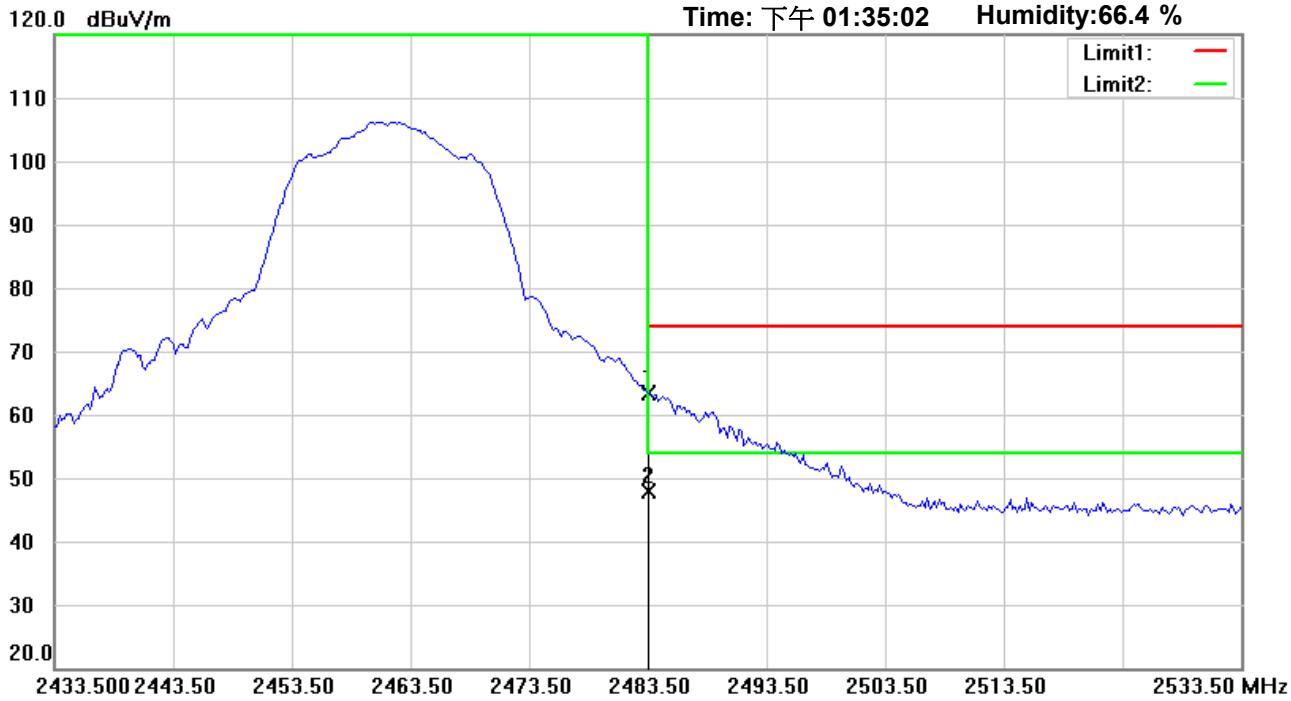
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#1 | Date: 2023/5/31 | Time: 下午 01:35:02 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	25.48	peak	37.88	63.36	74.00	188	231	-10.64	
*	2483.500	9.97	AVG	37.88	47.85	54.00	188	231	-6.15	

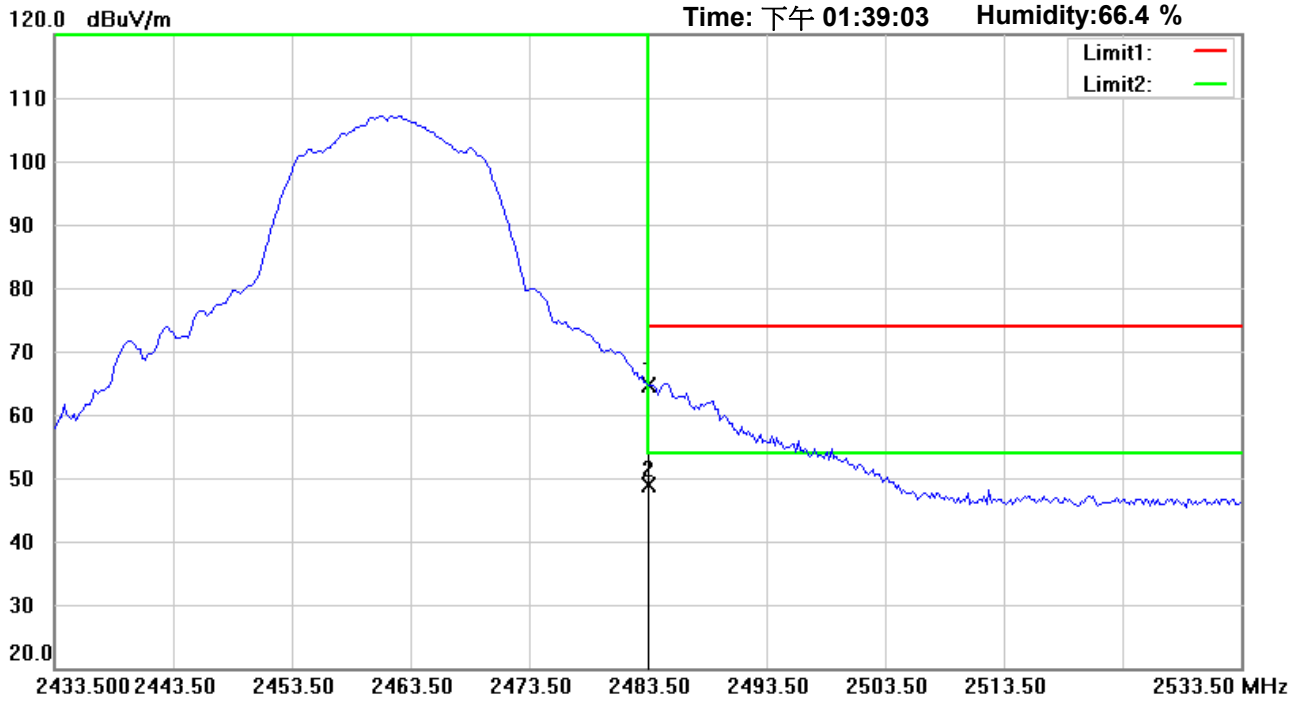
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#2 | Date: 2023/5/31 | Time: 下午 01:39:03 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11g CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	26.72	peak	37.88	64.60	74.00	150	239	-9.40	
*	2483.500	10.98	AVG	37.88	48.86	54.00	150	239	-5.14	

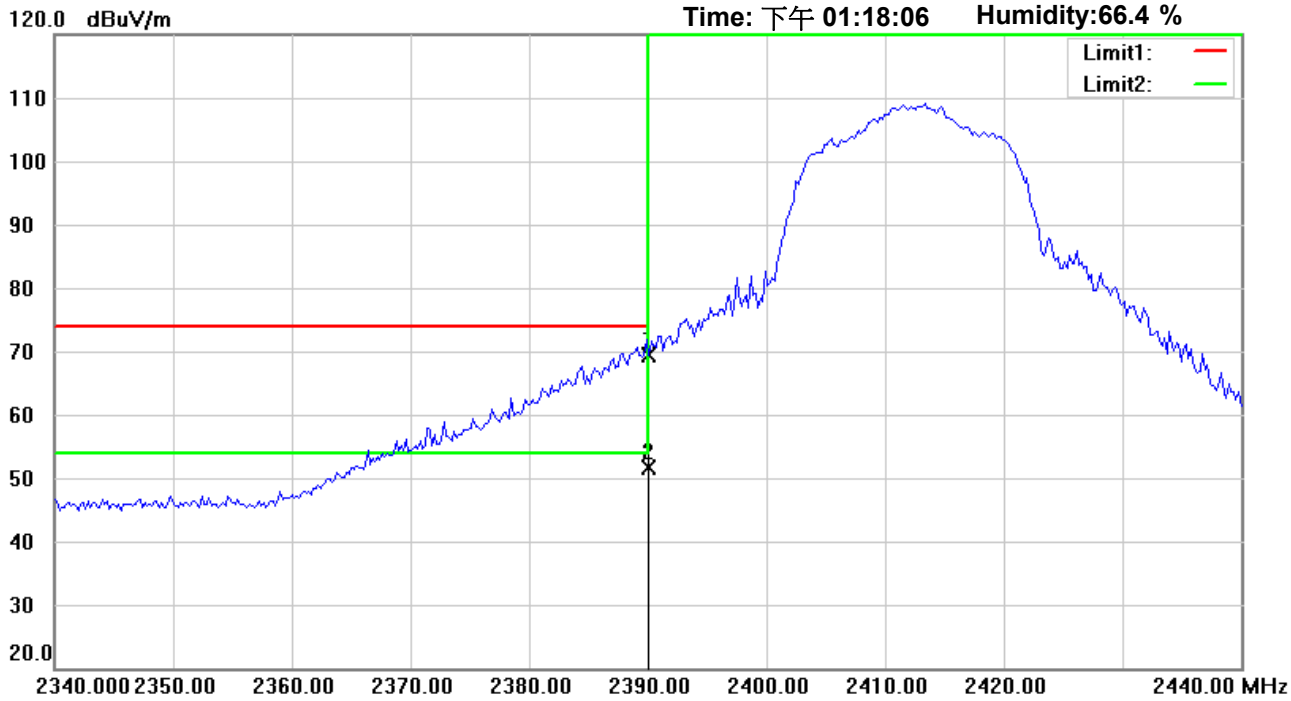
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#1 | Date: 2023/5/31 | Time: 下午 01:18:06 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

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
	2390.000	32.42	peak	37.04	69.46	74.00	156	236	-4.54	
*	2390.000	14.66	AVG	37.04	51.70	54.00	156	236	-2.30	

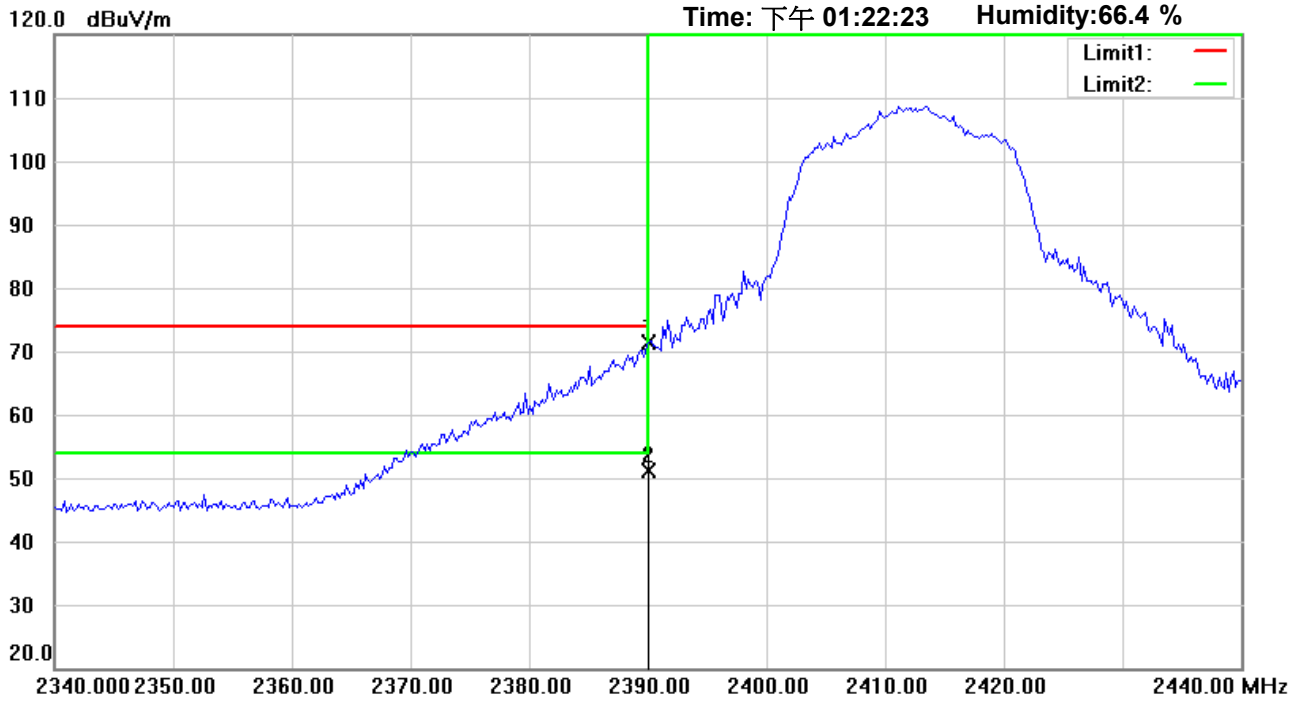
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Kai

File :Bandedge | Data :#2 | Date: 2023/5/31 | Time: 下午 01:22:23 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH1

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
*	2390.000	34.43	peak	37.04	71.47	74.00	150	240	-2.53	
	2390.000	13.98	AVG	37.04	51.02	54.00	150	240	-2.98	

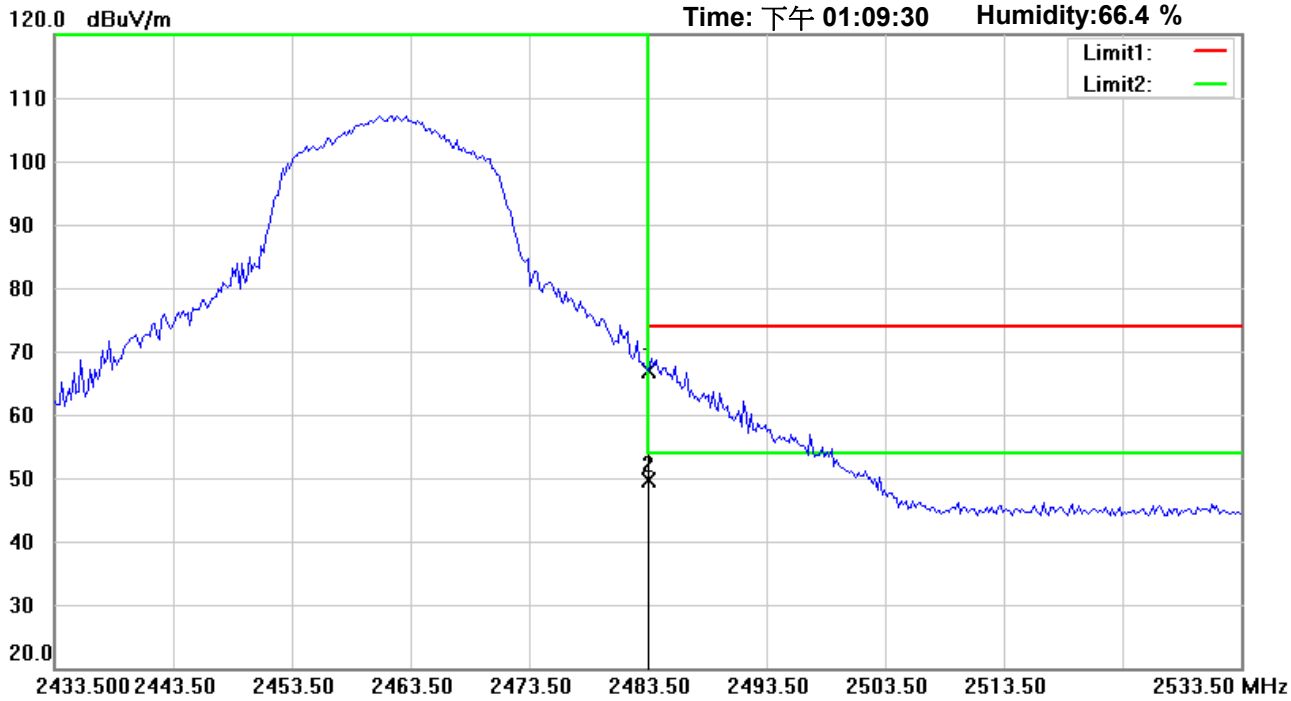
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#1 | Date: 2023/5/31 | Time: 下午 01:09:30 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Horizontal*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	29.02	peak	37.88	66.90	74.00	187	233	-7.10	
*	2483.500	11.63	AVG	37.88	49.51	54.00	187	233	-4.49	

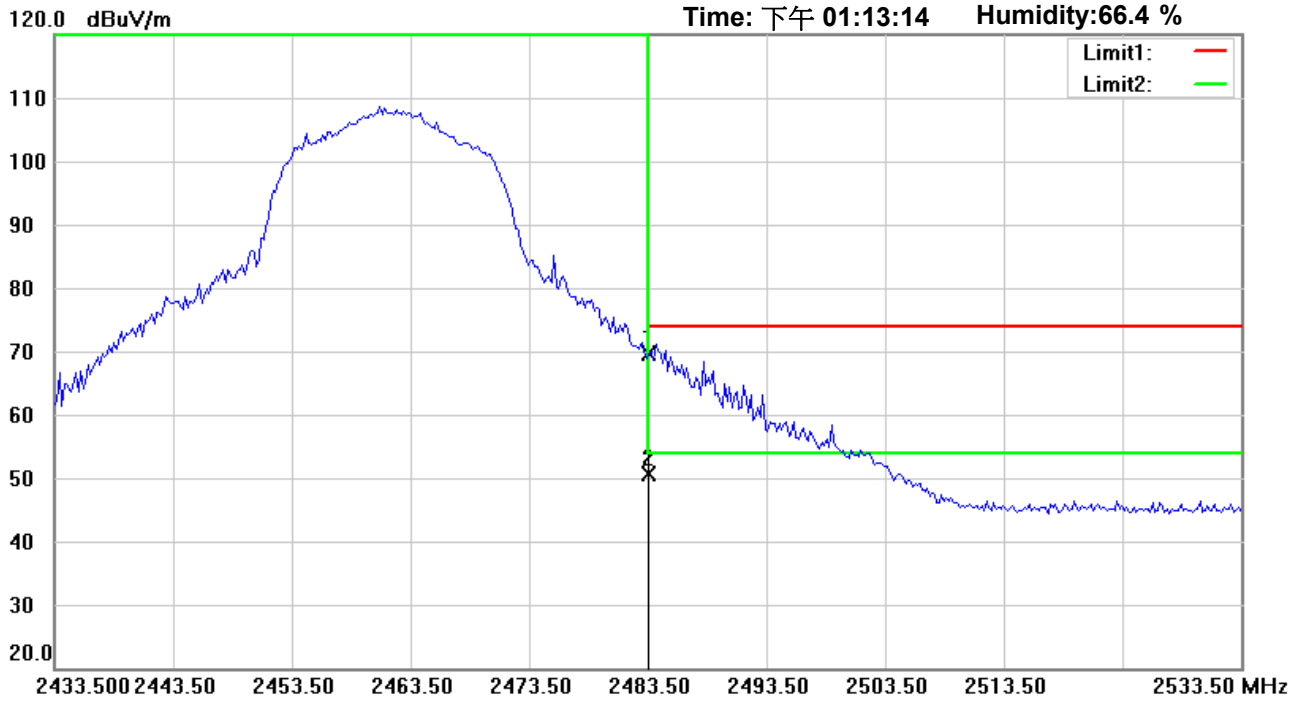
*:Maximum data x:Over limit !:over margin

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: Kai

File :Bandedge | Data :#2 | Date: 2023/5/31 | Time: 下午 01:13:14 | Temperature:27.5 ℃ | Humidity:66.4 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

Polarization: *Vertical*

EUT : W6M22304-22580

Power : 12 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 802.11n20 CH11

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	31.70	peak	37.88	69.58	74.00	150	239	-4.42	
*	2483.500	12.63	AVG	37.88	50.51	54.00	150	239	-3.49	

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