47 CFR PART 15 SUBPART C TEST REPORT

for

KAIROS

Model No.: ACW001

FCC ID: 2AWOW-ACW001

of

Applicant: Innovative Navigation Technology
Address: 7F., No. 230, Zhongzheng 4th Rd., Qianjin Dist.,
Kaohsiung City 801, Taiwan (R.O.C.)

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1477, TW0020, TW1072

Industry Canada filed test laboratory Reg. No. 20037

A2LA Accredited No.: 2732.01

Report No.: W6M22006-19970-C-1

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

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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.
The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.
Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.
Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.
The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.
The test report may only be reproduced or published in full.
Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.

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

Tester:

December 21, 2020		Spencer Yang	Spencer
Date	WTS-Lab.	Name	Signature

Technical responsibility for area of testing:

December 21, 2020		Kevin Wang	Kevin Wang
Date	WTS	Name	Signature

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

1.2 Testing laboratory

1.2.1 Location

OATS
No.5-1, Lishui, Shuang Sing Village,
Wanli Dist., New Taipei City 207,
Taiwan (R.O.C.)
3 meter semi-anechoic chamber
No.35, Aly. 21, Ln. 228, Ankang Rd., Neihu Dist., Taipei City 114, Taiwan (R.O.C.)
TEL:886-2-6613-0228
FAX:886-2-2791-5046

Company
Worldwide Testing Services(Taiwan) Co., Ltd.
6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.
Tel : 886-2-66068877
Fax : 886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

A2LA accredited number: 2732.01

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

Industry Canada filed test laboratory Reg. No. 20037

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

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

1.3 Details of approval holder

Name:	Innovative Navigation Technology
Street:	7F., No. 230, Zhongzheng 4th Rd., Qianjin Dist.,
Town:	Kaohsiung City 801,
Country:	Taiwan (R.O.C.)
Telephone:	./.
Fax:	./.

1.4 Application details

Date of receipt of test item: June 10, 2020

Date of test: from June 11, 2020 to December 04, 2014

1.5 General information of Test item

Type of test item: KAIROS

Model Number: ACW001

Brand Name: ./.

Multi-listing model number: ./.

Photos: see Appendix

Technical data

Frequency band: 2.4 GHz – 2.4835 GHz

Number of Channels: Bluetooth 2.0 79 channels

Bluetooth 4.0 40 channels

Operation modes: Duplex

Modulation Type: GFSK, π/ 4DQPSK, 8DPSK

Fixed point-to-point operation: ☐ Yes / ☒ No

Type of Antenna: PCB Antenna

Antenna gain: 3.71 dBi

Power supply: Adapter (I/P: 100-240V~50/60Hz, 1.5A;
O/P: 24V, 2.5A)
Built-in battery: 14.8Vd.c., 6360mAh

Emission designator: Bluetooth 2.0: 1M20F1D

Bluetooth 4.0: 1M02G1D

Host device: none

Classification :

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

Transmitter	**Unom**
Mode A (Bluetooth 2.0 Normal mode)	
Power (ch 0 or A):	Conducted: 5.30 dBm
Power (ch 39 or B):	Conducted: 5.62 dBm
Power (ch 78 or C):	Conducted: 6.17 dBm
Mode B (Bluetooth 2.0 EDR mode)	
Power (ch 0 or A):	Conducted: 7.53 dBm
Power (ch 39 or B):	Conducted: 7.69 dBm
Power (ch 78 or C):	Conducted: 8.28 dBm
Mode C (Bluetooth 4.0)	
Power (ch 0):	Conducted: 4.86 dBm
Power (ch 19):	Conducted: 5.76 dBm
Power (ch 39):	Conducted: 6.11 dBm

Manufacturer: (if applicable)

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

1.6 Test standards

Technical standard : 47 CFR PART 15 SUBPART C § 15.247 (2019-10)

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
Power supply: Adapter (I/P: 100-240V~50/60Hz, 1.5A;
O/P: 24V, 2.5A)
Built-in battery: 14.8Vd.c., 6360mAh
Extreme conditions parameters: ./.

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission	Expanded Uncertainty: AMN: 1.06 dB Voltage probe: 1.12 dB
Estimation Result of Uncertainty of Radiated Emission(3M)	Expanded Uncertainty: 0.009-30 MHz: 1.88 dB 30-1000 MHz: 2.79 dB 1-18 GHz: 2.36 dB 18-40 GHz: 1.55 dB
Estimation Result of Uncertainty of Bandwidth Measurement 20 dB Bandwidth, Occupied bandwidth, Channel bandwidth, Necessary Bandwidth	Expanded Uncertainty: 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement Output power	Expanded Uncertainty: 1.14 dB
Estimation Result of Uncertainty of Power Density Measurement Power density	Expanded Uncertainty: 1.45 dB
Estimation Result of Uncertainty of Band Edge Measurement	Expanded Uncertainty: 1.01 dBc
Estimation Result of Uncertainty of Frequency Separation Measurement Hopping channel separation	Expanded Uncertainty: 554.14 Hz
Estimation Result of Uncertainty of Duty Cycle Measurement Dwell time	Expanded Uncertainty: 0.1 ms

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	2020/6/11	2021/6/10
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	2019/11/1	2020/10/31
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2020/9/22	2021/9/21
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	2020/7/22	2021/7/21
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2020/9/22	2021/9/21
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2020/7/29	2021/7/28
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2020/6/12	2021/6/11
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2020/7/16	2021/7/15
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	2020/7/30	2021/7/29
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2020/7/8	2021/7/7
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2020/4/22	2021/4/21
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2020/2/18	2021/2/17
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2020/5/8	2021/5/7
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2020/8/3	2021/8/2
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2020/2/20	2021/2/19
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2020/2/20	2021/2/19
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2020/2/20	2021/2/19
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2020/3/6	2021/3/5
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2020/2/20	2021/2/19
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2020/5/15	2021/5/14
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2020/9/22	2021/9/21
ETSTW-RE 088	SOLID STATE AMPLIFIER	KMA180265A01	99057	KMIC	2020/9/8	2021/9/7
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2020/5/22	2021/5/21
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2020/2/20	2021/2/19
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	2020/1/13	2021/1/12
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	Function test	
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2020/6/11	2021/6/10
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2020/8/7	2021/8/6
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2020/8/7	2021/8/6
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2020/2/20	2021/2/19
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2020/8/7	2021/8/6
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2020/8/7	2021/8/6
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2020/5/15	2021/5/14
ETSTW-RE 146	Preamplifier	JPA-10M1G	15090004	JPT	2020/6/5	2021/6/4
ETSTW-RE 147	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04005	ETC	2020/4/9	2021/4/8
ETSTW-RE 148	Bi-log Hybrid Antenna	MCTD 2786B	BLB16M04006	ETC	2020/7/9	2021/7/8
ETSTW-RF 002	Electromagnetic field probe	LF-30	K-0007	STT	2020/6/9	2021/6/8
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2020/5/21	2021/5/20
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2020/3/9	2021/3/8
ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2020/4/20	2021/4/19
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2019/10/25	2020/10/24
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40 /12+9SS	3	WI	2020/1/13	2021/1/12
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2020/1/13	2021/1/12
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2020/1/13	2021/1/12
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2020/1/13	2021/1/12
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2020/9/8	2021/9/7
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2020/3/27	2021/3/26
ETSTW-GSM 025	Band Reject Filter	BRM19835	001	Micro-Tronics	2020/8/7	2021/8/6
ETSTW-Cable 011	SMA to N type Cable	RGU-400	None	THERMAX	Pre-test Use NCR	
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2020/2/20	2021/2/19
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2020/7/1	2021/6/30
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2020/5/8	2021/5/7
ETSTW-Cable 028	Microwave Cable	FA147A0015M2020	30064-2	UTIFLEX	2020/9/8	2021/9/7
ETSTW-Cable 029	Microwave Cable	FA147A0015M2020	30064-3	UTIFLEX	2020/9/8	2021/9/7
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104（S_Cable 9）	279067	HUBER+SUHNER	2020/2/20	2021/2/19
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2020/5/15	2021/5/14
ETSTW-Cable 047	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2020/7/3	2021/7/2

ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2020/6/5	2021/6/4
ETSTW-Cable 064	Microwave Cable	SUCOFLEX 104	MY28891	HUBER+SUHNER	2020/5/15	2021/5/14
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2020/6/5	2021/6/4
ETSTW-Cable 072	SMA type cable (8m)	SUCOFLEX 104	805800/4	HUBER+SUHNER	2020/5/15	2021/5/14
ETSTW-Cable 074	SMA type cable (2m)	SUCOFLEX 104	802563/4	HUBER+SUHNER	2020/5/15	2021/5/14
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMC	None	Farad	Version ETS-03A1	
WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	
ETSTW-TH 001	Thermohygrometer	608-H1	45204316	Testo	2020/9/8	2021/9/7
ETSTW-TH 002	Thermohygrometer	608-H1	45204317	Testo	2020/9/8	2021/9/7

2.4 General Test Procedure

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

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

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of 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)	☒	☒	☐
Spurious Emissions conducted – Transmitter operating	15.247	☐	☐	☐
Carrier Frequency Separation	15.247(a) (1)	☒	☒	☐
Number of Hopping Frequencies	15.247(a) (1)(i)	☒	☒	☐
Time of Occupancy (Dwell Time)	15.247(a) (1)(i)	☒	☒	☐
20 dB Bandwidth	15.247(a) (1)(i)	☒	☒	☐
Minimum 6 dB Bandwidth	15.247(a)(2)	☒	☒	☐
Band-edge Compliance of RF Emission	15.247(d)	☒	☒	☐
Peak Power Spectral Density	15.247(e)	☒	☒	☐
Radiated Emission from Receiver Part	15.109	☐	☐	☐
Power Line Conducted Emission	15.207(a)	☒	☒	☐

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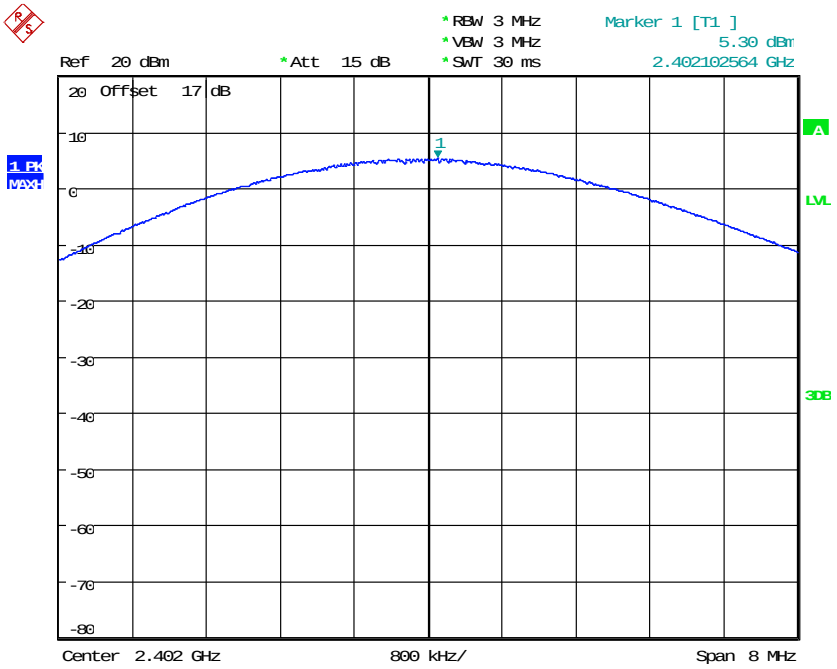
3.1 Peak Output Power (transmitter)

FCC Rule: 15.247(b)(3)

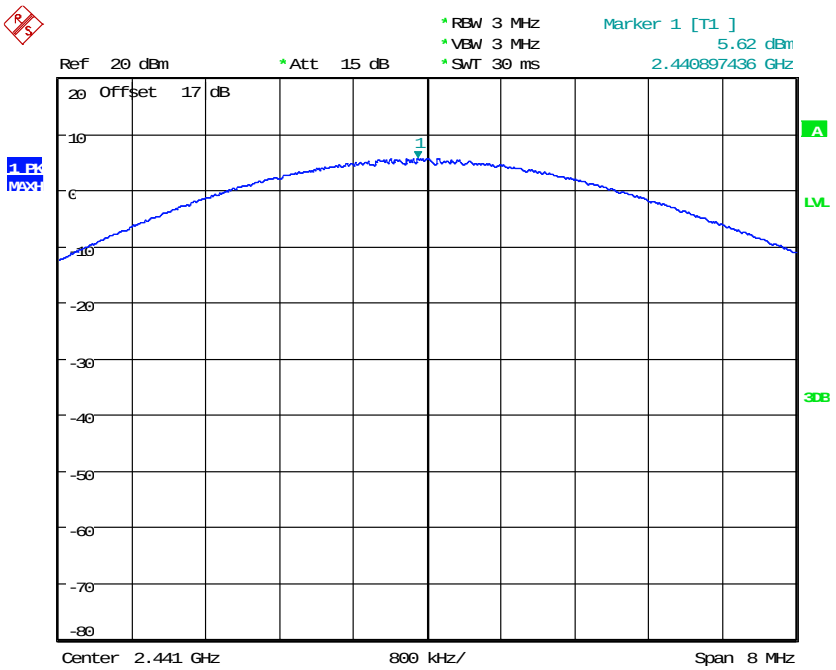
This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.
The power was measured with modulation (declared by the applicant).

Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 2.0
Normal mode

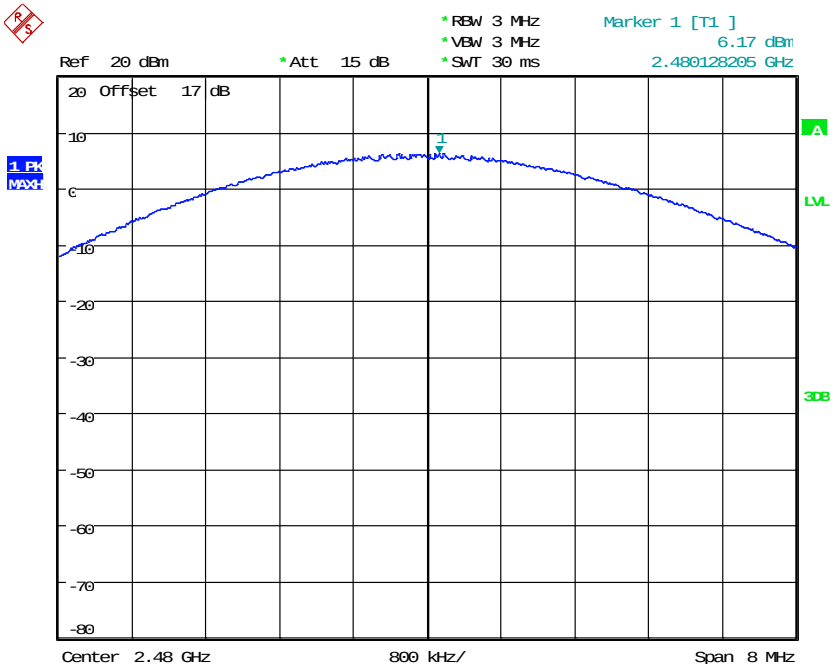


MAX OUTPUT POWER CH0
Date: 24.JUN.2020 08:25:29



MAX OUTPUT POWER CH39

Date: 24.JUN.2020 08:26:21

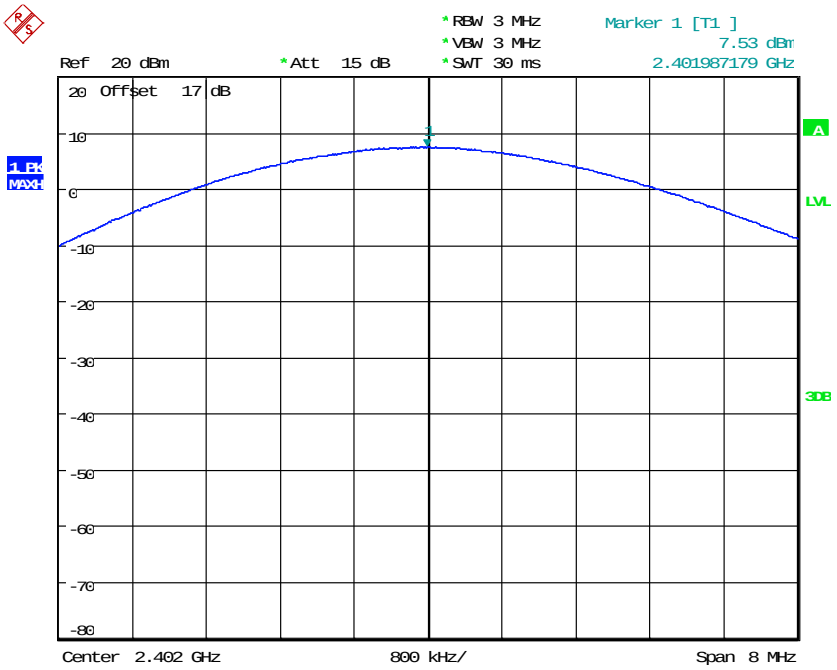


MAX OUTPUT POWER CH78

Date: 24.JUN.2020 08:27:25

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

EDR mode



MAX OUTPUT POWER CH0 EDR MODE
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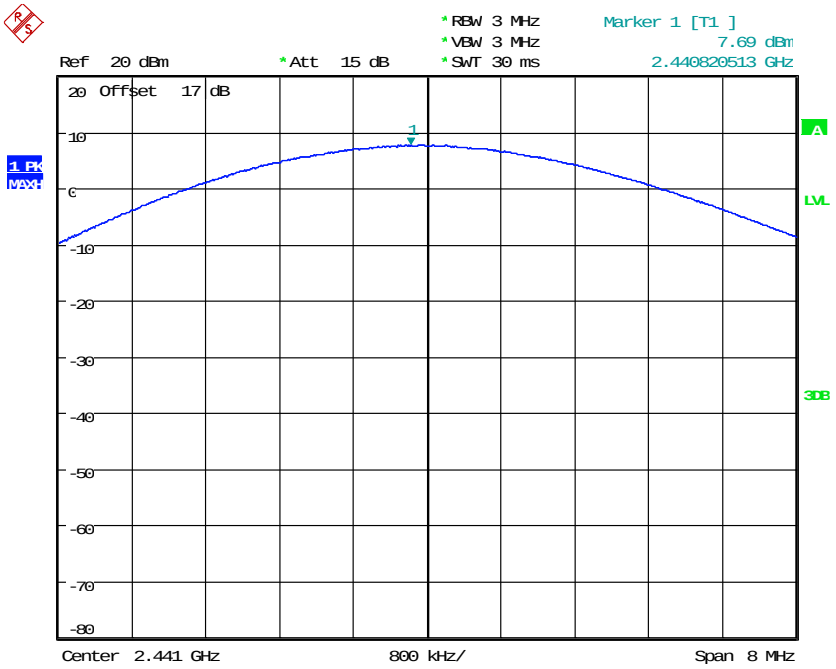
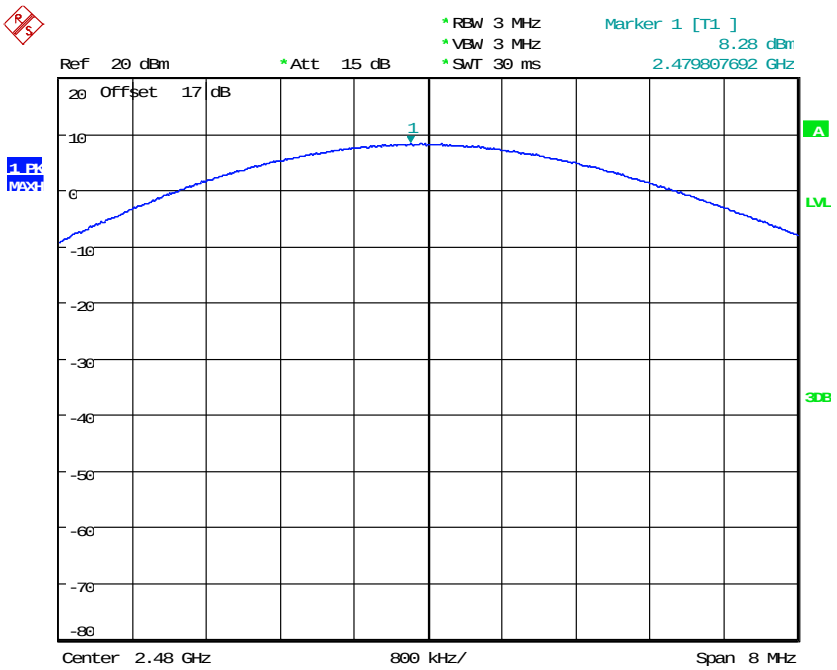


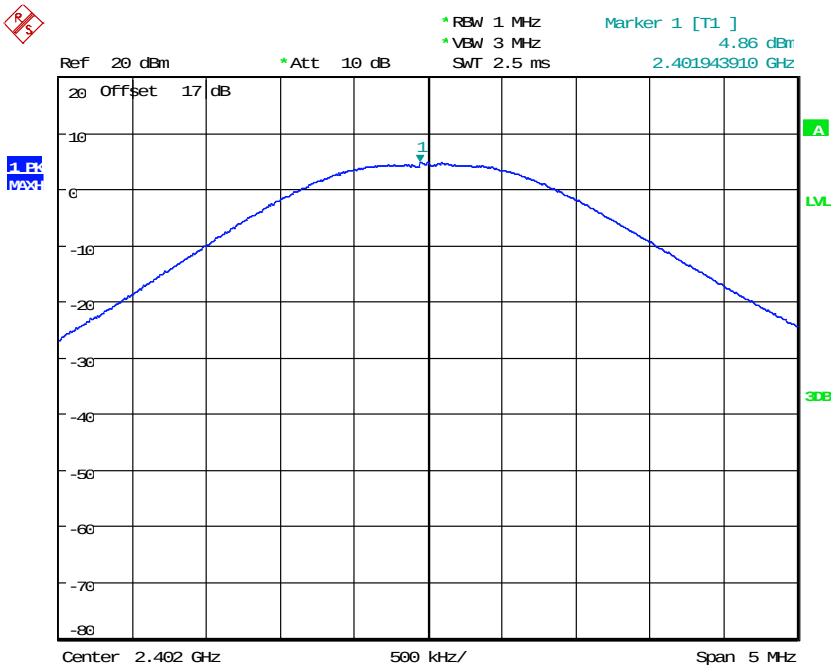
MAX OUTPUT POWER CH39 EDR MODE
Date: 24.JUN.2020 08:37:21

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

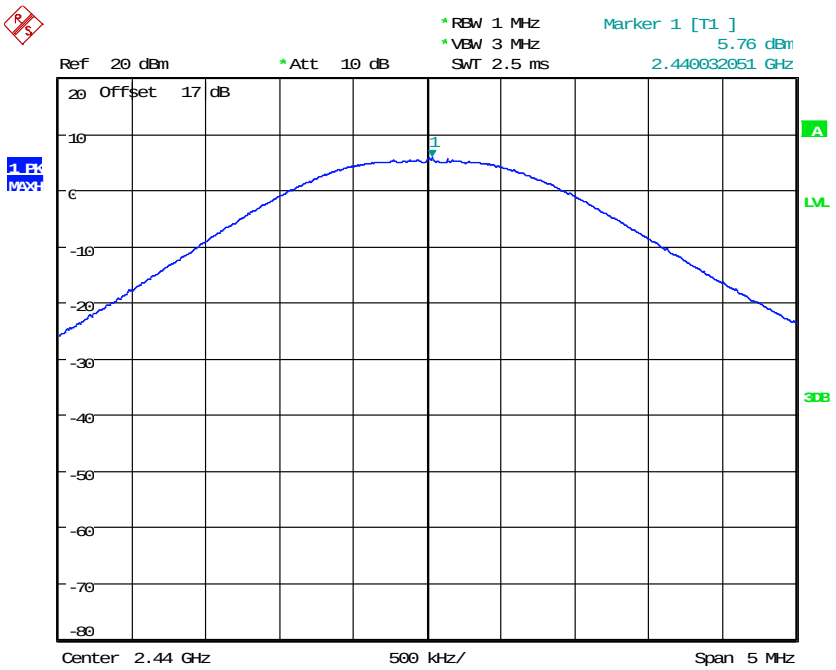


MAX OUTPUT POWER CH78 EDR MODE
Date: 24.JUN.2020 08:38:17

Bluetooth 4.0

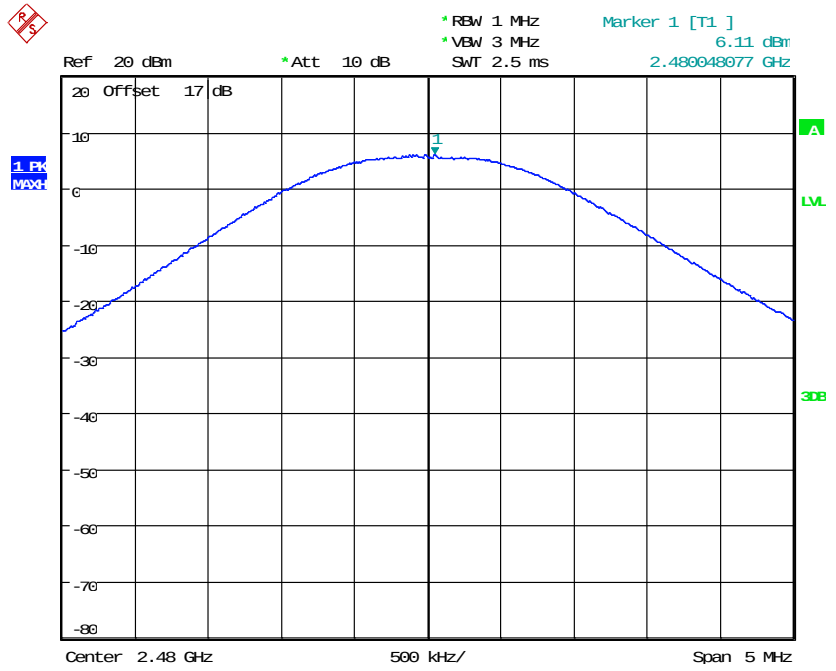


MAX OUTPUT POWER BT4.0 CH00
Date: 24.JUN.2020 09:10:39



MAX OUTPUT POWER BT4.0 CH19

Date: 24.JUN.2020 09:16:23



MAX OUTPUT POWER BT4.0 CH39

Date: 24.JUN.2020 09:17:05

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 3.2 Equivalent Isotropic Radiated Power (EIRP)

FCC Rule: 15.247(b)(3)
BT2.0
EIRP = max. conducted output power + antenna gain
EIRP =8.28 dBm + (3.71 dBi [antenna gain claimed by manufacturer] = 11.99 dBm = 15.8125 mW

BT4.0
EIRP = max. conducted output power + antenna gain
EIRP =6.11 dBm + (3.71 dBi [antenna gain claimed by manufacturer] = 9.82 dBm = 9.5940 mW

3.3 Exemption Limits for Routine Evaluation according to 47 CFR FCC Part 2 Subpart J, section 2.1091

FCC OET Bulletin 65 Edition 97.01 determines the equations for predicting RF fields and applicable limits.
The prediction for power density in the far-field but will over-predict power density in the near field, where it could be used for walking a “worst case” or conservative prediction.
Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 20 cm normally can be maintained between the user and the device.

MPE Calculation Method

(A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

(B) Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

E = Electric field (V/m) P = output power (W) G = EUT Antenna numeric gain (numeric)
d = Separation distance between radiator and human body (m)

The formula can be changed to $Pd = \frac{30 \times P \times G}{377 \times d^2}$ mW/cm2.

Established separation distance is 20 cm.

BT2.0
Operating frequency band : 2402-2480 MHz
The product meets RF exposure requirement.
Because the power density of 0.0031 mW/cm^2 at 2480 MHz is below the power density limit of 1 mW/cm^2.

BLE
Operating frequency band : 2402-2480 MHz
The product meets RF exposure requirement.
Because the power density of 0.0019 mW/cm^2 at 2480 MHz is below the power density limit of 1 mW/cm^2.

3.4 Transmitter Radiated Emissions in Restricted Bands

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

Frequency ≦ 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.

3.5 Spurious Emissions (tx)

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

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

FCC Rule: 15.247(c), 15.35
For out of band emissions that are close to or that exceed the 20 dB attenuation requirement described in the specification, radiated measurements were performed at a 3 m separation distance to determine whether these emissions complied with the general radiated emission requirement.

Limits:

For frequencies 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: ACW001 Date: --
Mode: -- Temperature: -- °C Engineer: --
Polarization: Horizontal Humidity: -- %

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

Polarization: Vertical

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

Note

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

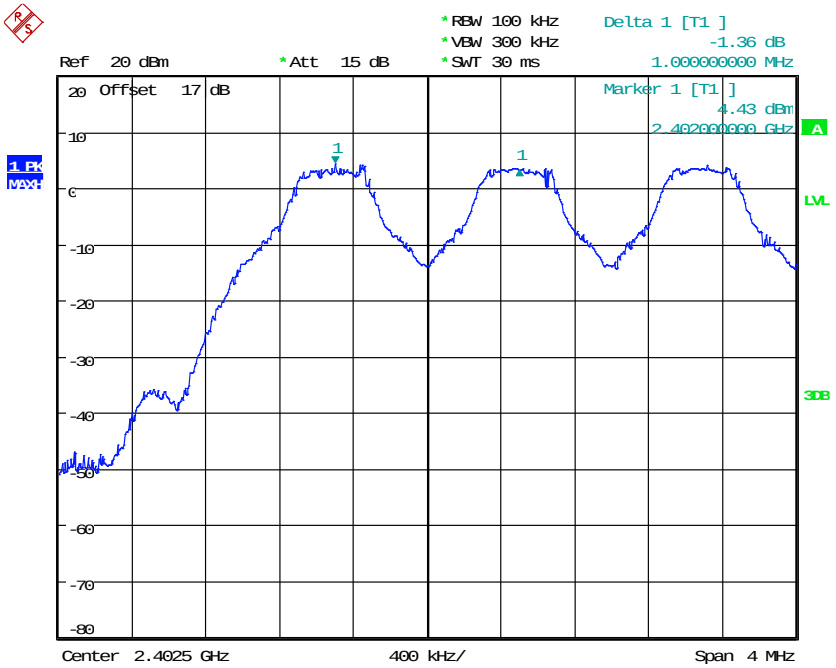
Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

3.6 Carrier Frequency Separation

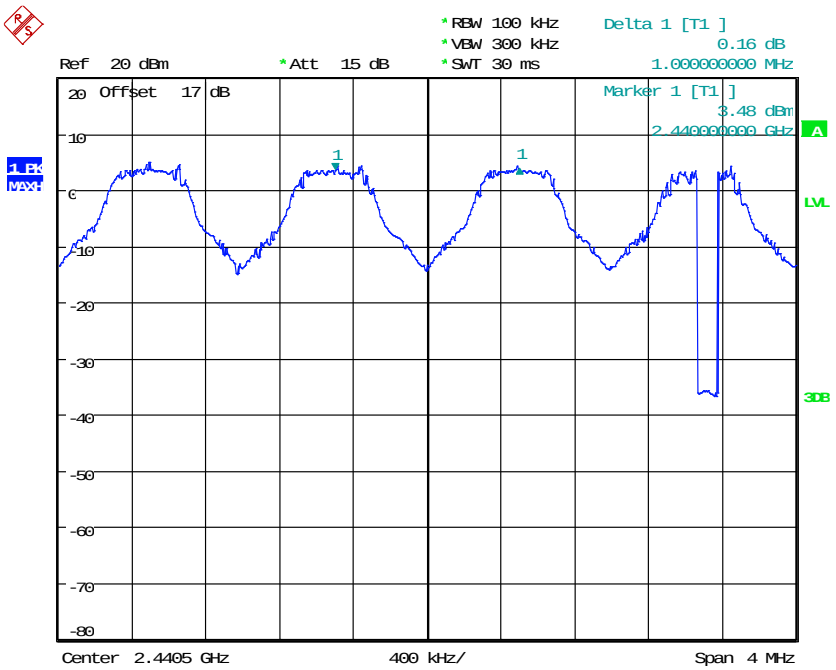
Carrier Frequency Separation was measured with modulation (declared by manufacturer).
According to FCC rules part 15 subpart C §15.247 frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or 20 dB bandwidth of the hopping channel, whichever is greater.

Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 2.0
Normal mode

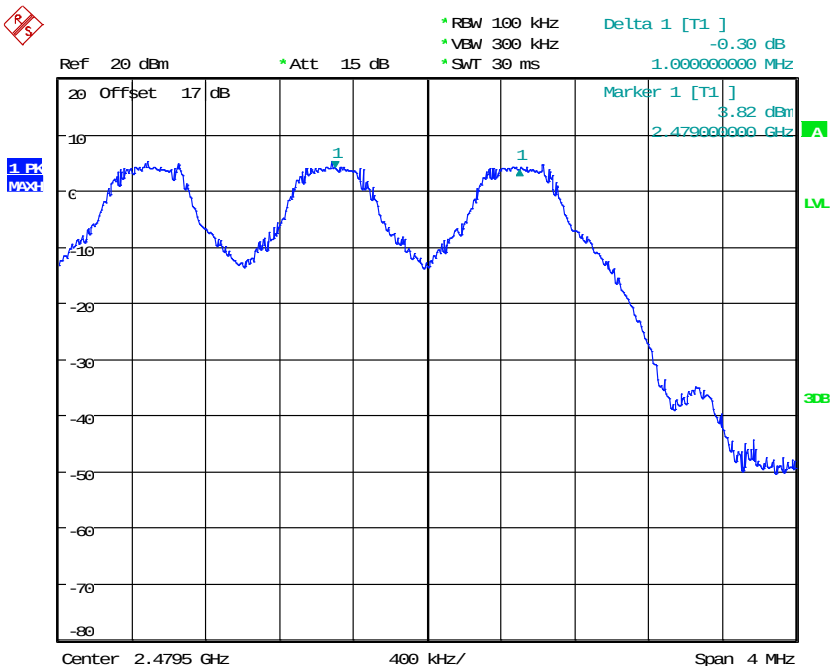


FREQUENCY SEPARATION CH0
Date: 24.JUN.2020 08:32:29



FREQUENCY SEPARATION CH39

Date: 24.JUN.2020 08:33:13



FREQUENCY SEPARATION CH78

Date: 24.JUN.2020 08:34:01

Limits:

Frequency Range MHz	Limits	
	20 dB bandwidth < 25 kHz	20 dB bandwidth > 25 kHz
902-928	25 kHz	20 dB bandwidth
2400-2483.5 5725-5850.0	25 kHz	20 dB bandwidth

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

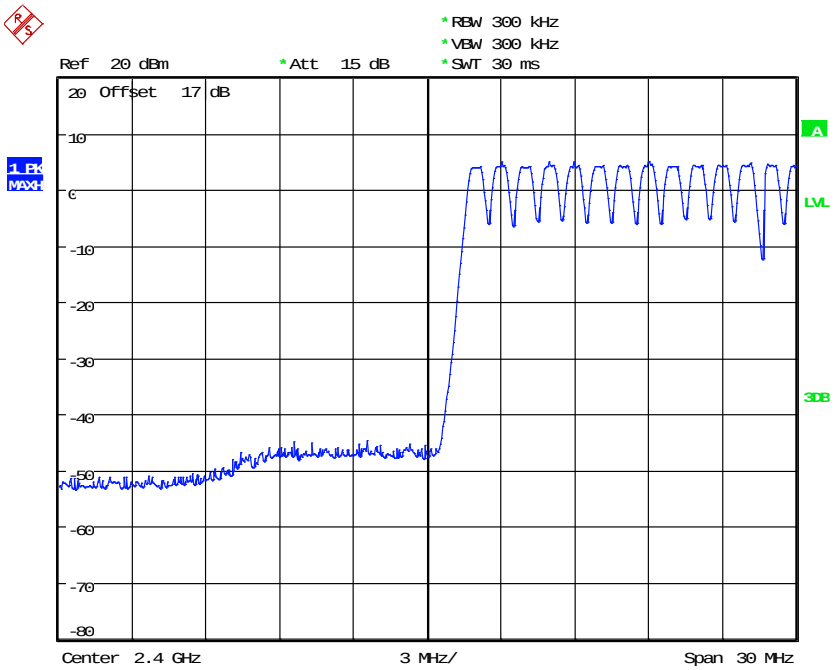
3.7 Number of Hopping Frequencies

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

For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20dB bandwidth of the hopping channel 250 kHz or greater, the system shall use at least 25 hopping frequencies.

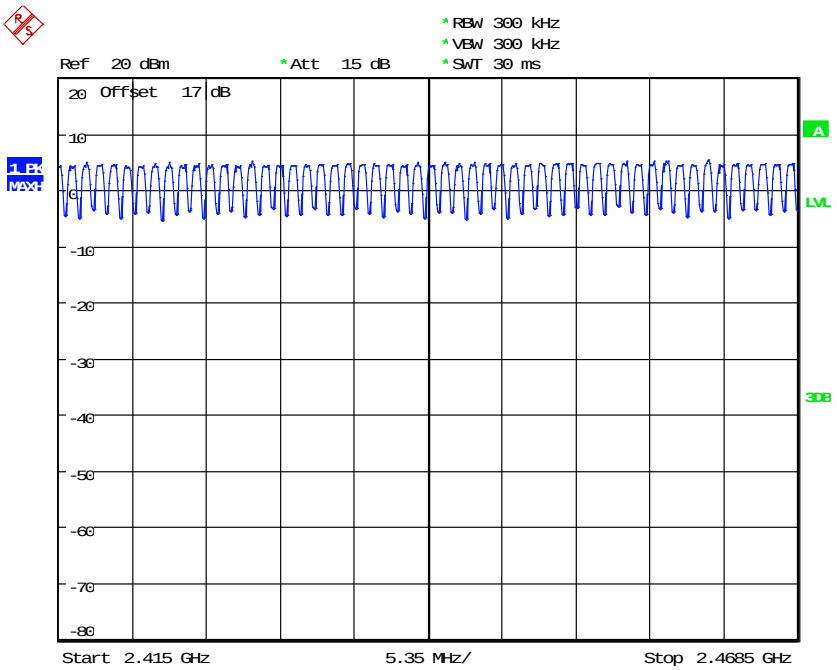
Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 2.0

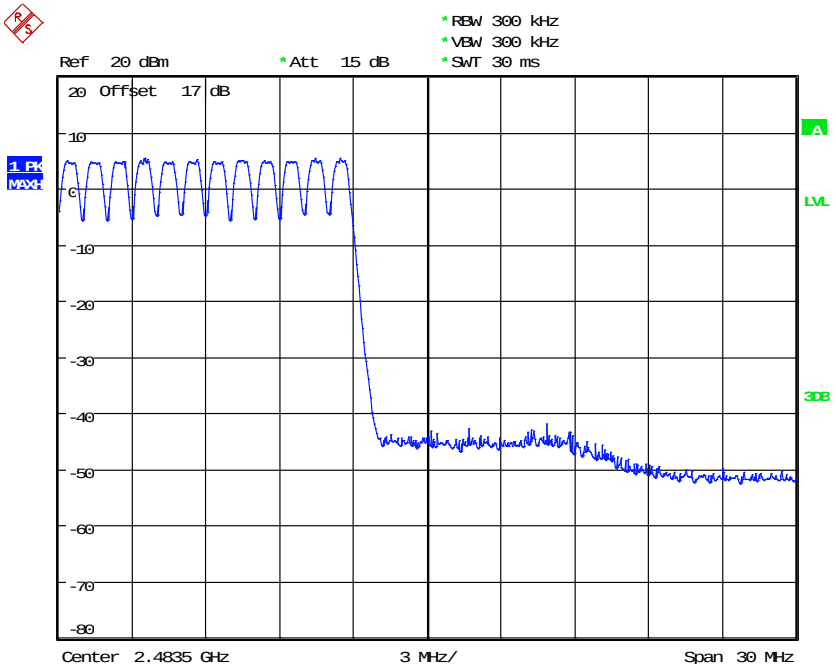


NUMBER OF HOPPING CH0-13
Date: 24.JUN.2020 08:29:49

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



NUMBER OF HOPPING CH14-66
Date: 24.JUN.2020 08:31:37



NUMBER OF HOPPING CH67-78
Date: 24.JUN.2020 08:30:29

Limits:

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

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

3.7.1 Pseudorandom Frequency Hopping Sequence

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

3.7.2 Coordination of hopping sequences to other transmitters

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

3.7.3 System Receiver Hopping Capability

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

15.247(a)(1)
the hopping sequence must be pseudorandom.
all Channels are used equally on average.
the receiver input bandwidth is approximately equal to the transmit bandwidth.
the receiver hops in sequence with the transmitted signal.

15.247(g)
the system is designed to comply with all of the regulations in Section 15.247 when the transmitter is presented with a continuous data (or information).

15.247(h)
the system does not coordinate its channel selection/hopping sequence with other frequency hopping systems for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters.

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

Normal Mode

Packet Type	Time Slot Lenth (ms)	Events	Dwell time (ms)	Limit (ms)	Result
DH1	0.41	320	131.2	400	Pass
DH3	1.685	160	269.6		Pass
DH5	2.923	107	311.8		Pass

events calculation
DH1=(31.6 * 1600) / 79 / 2
DH3=(31.6 * 1600) / 79 / 4
DH5 =(31.6 * 1600) / 79 / 6

AFH Mode

Packet Type	Time Slot Lenth (ms)	Events	Dwell time (ms)	Limit (ms)	Result
DH1	0.41	160	65.6	400	Pass
DH3	1.685	80	134.8		Pass
DH5	2.923	53	155.9		Pass

events calculation
DH1=(8 * 800) / 20 / 2
DH3=(8 * 800) / 20 / 4
DH5 =(8 * 800) /20 / 6

3.8 Time of Occupancy (Dwell Time)

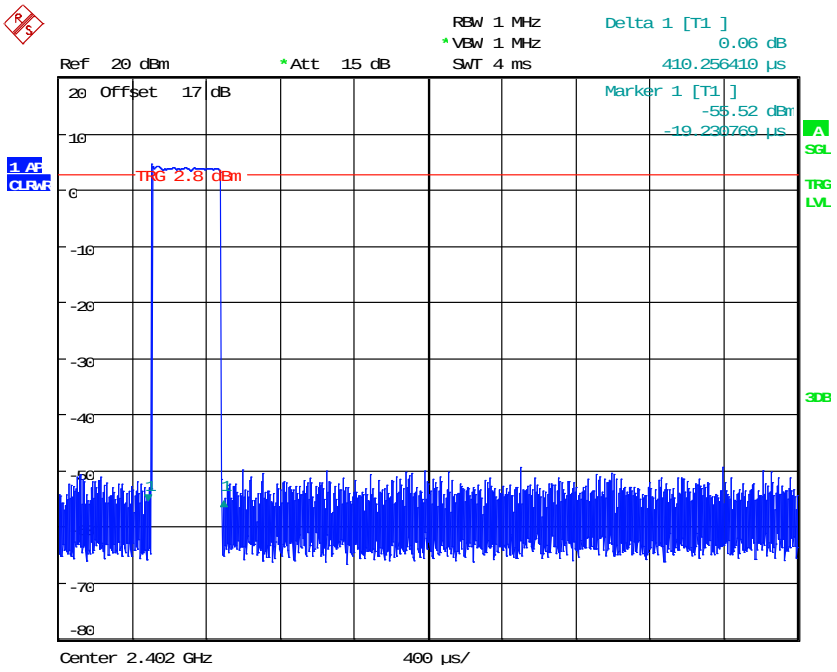
Frequency hopping systems operating in the 5725-5850 MHz band shall use an average time of occupancy on any frequency not greater than 0.4 seconds within a 30 second period.

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

For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the average time of occupancy on any frequency shall not greater than 0.4 seconds within a 20 second period; if the 20dB bandwidth of the hopping channel is 250 kHz or greater, the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 10 second period.

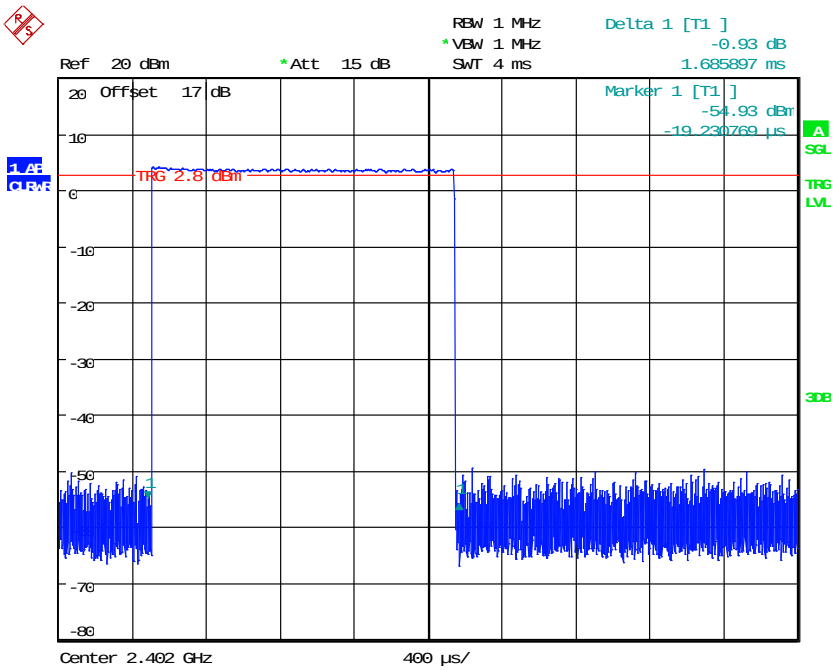
Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 2.0

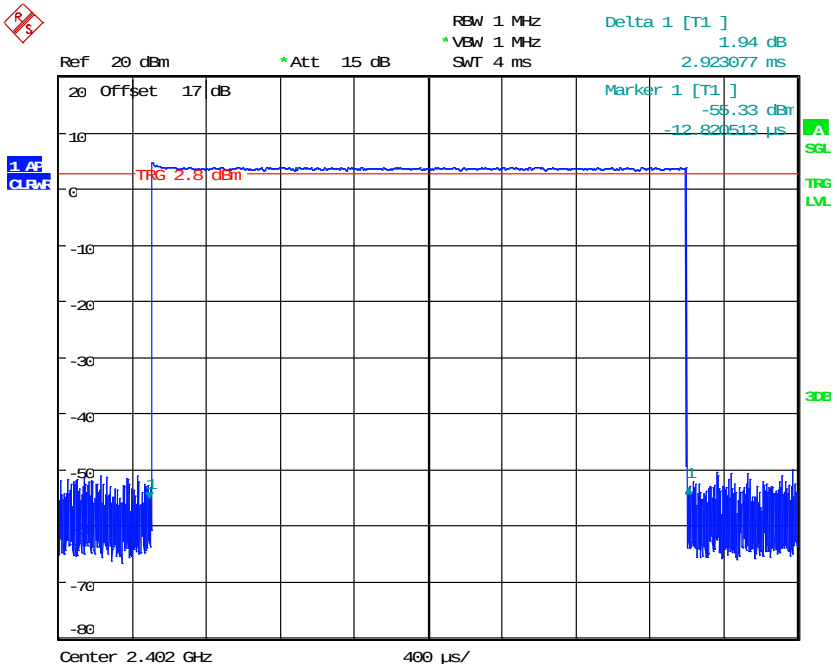


DWELL TIME CH0 DH1 (0.41ms * 320events = 131.2ms)
Date: 24.JUN.2020 08:53:53

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

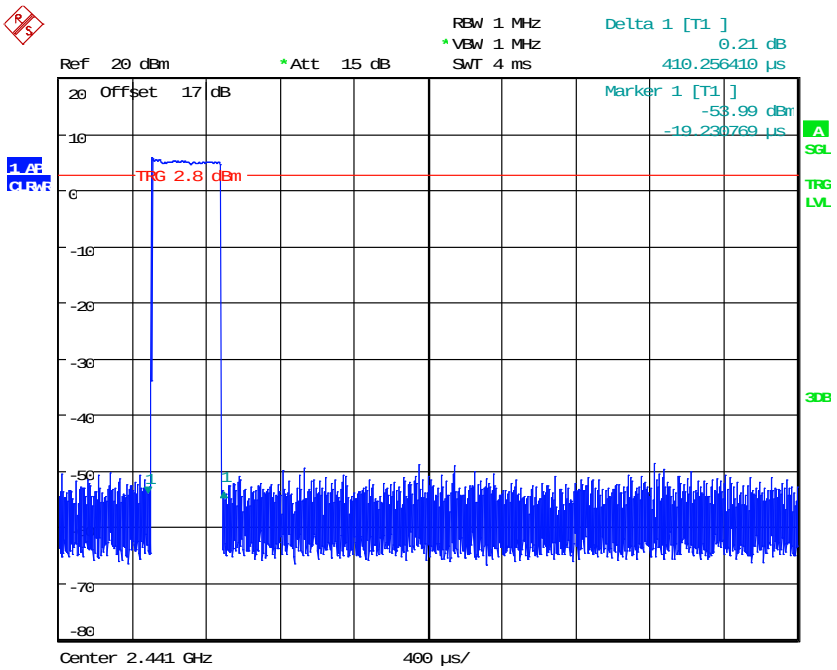


DWELL TIME CH0 DH3 (1.685ms * 160events = 269.6ms)
Date: 24.JUN.2020 09:07:59

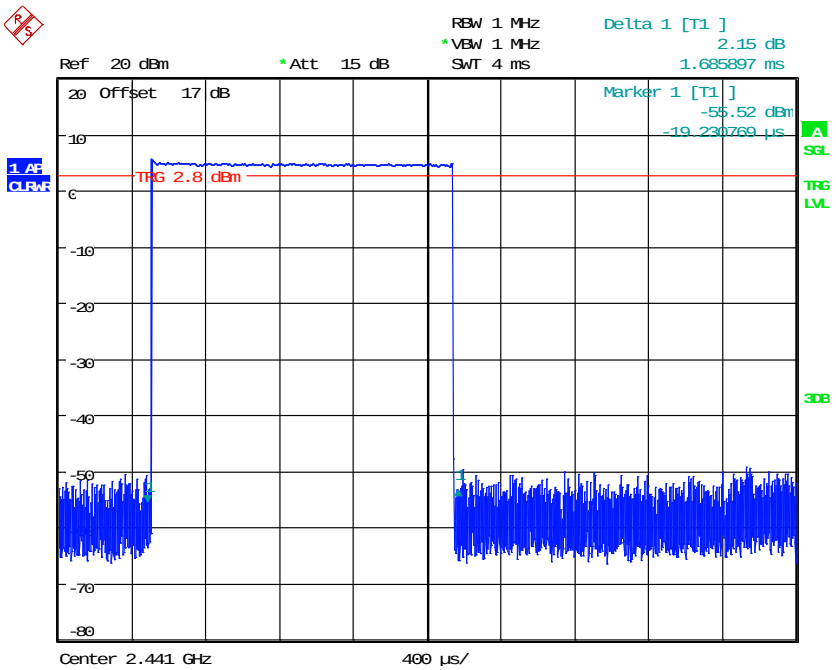


DWELL TIME CH0 DH5 (2.923ms * 106events = 309.838ms)
Date: 24.JUN.2020 09:09:11

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

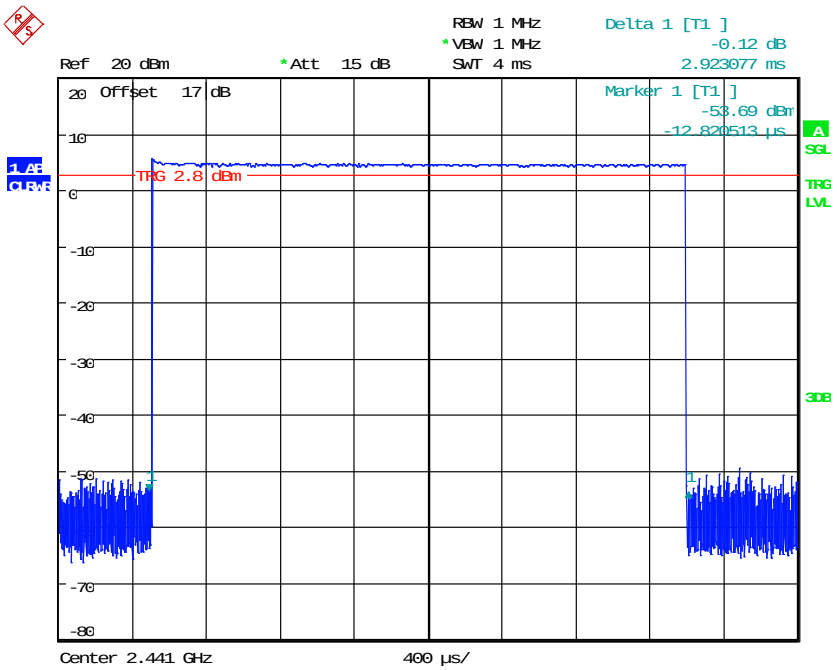


DWELL TIME CH39 DH1 (0.41ms * 320events = 131.2ms)
Date: 24.JUN.2020 09:05:21

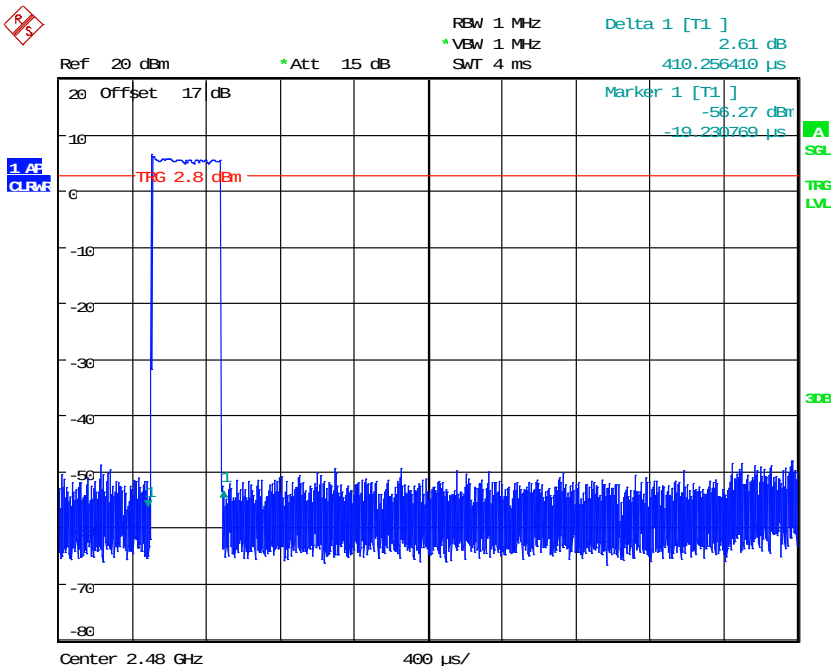


DWELL TIME CH39 DH3 (1.685ms * 160events = 269.6ms)
Date: 24.JUN.2020 09:07:42

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

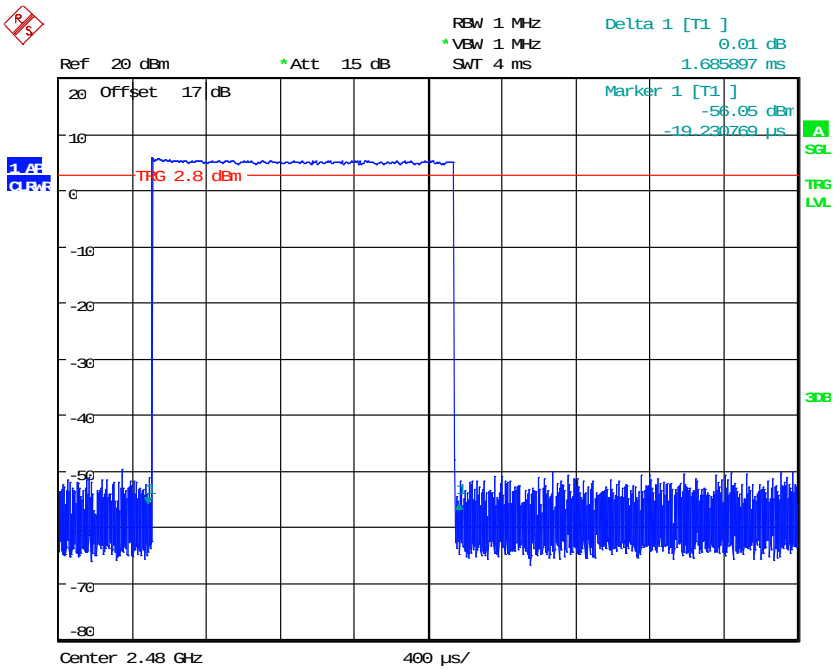


DWELL TIME CH39 DH5 (2.923ms * 106events = 309.838ms)
Date: 24.JUN.2020 09:09:30

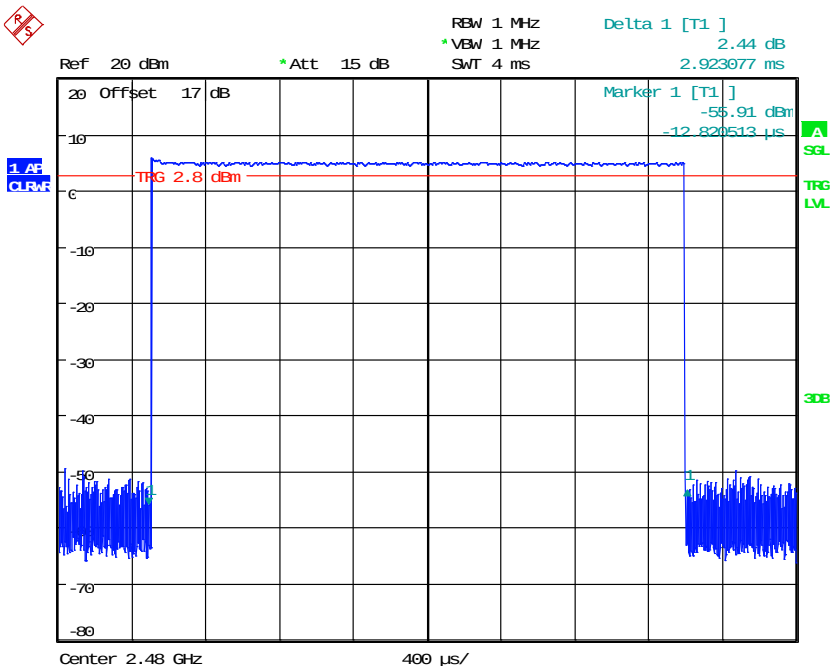


DWELL TIME CH78 DH1 (0.41ms * 320events = 131.2ms)
Date: 24.JUN.2020 09:05:38

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



DWELL TIME CH78 DH3 (1.685ms * 160events = 269.6ms)
Date: 24.JUN.2020 09:07:00



DWELL TIME CH78 DH5 (2.923ms * 106events = 309.838ms)
Date: 24.JUN.2020 09:09:47

Limits and measurement periods:

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

Bluetooth transmits 1600 times in a second.
0.4s*79 = 36.1s
Total number of transmissions: 1600*31.6s = 50560
Average number of transmissions in a channel: 50560/79 = 640

Events in DH1 (transmit 1 time, break off 1 time): 640/2 = 320
Events in DH3 (transmit 3 times, break off 1 time): 640/4 = 160
Events in DH5 (transmit 5 times, break off 1 time): 640/6 = 106

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

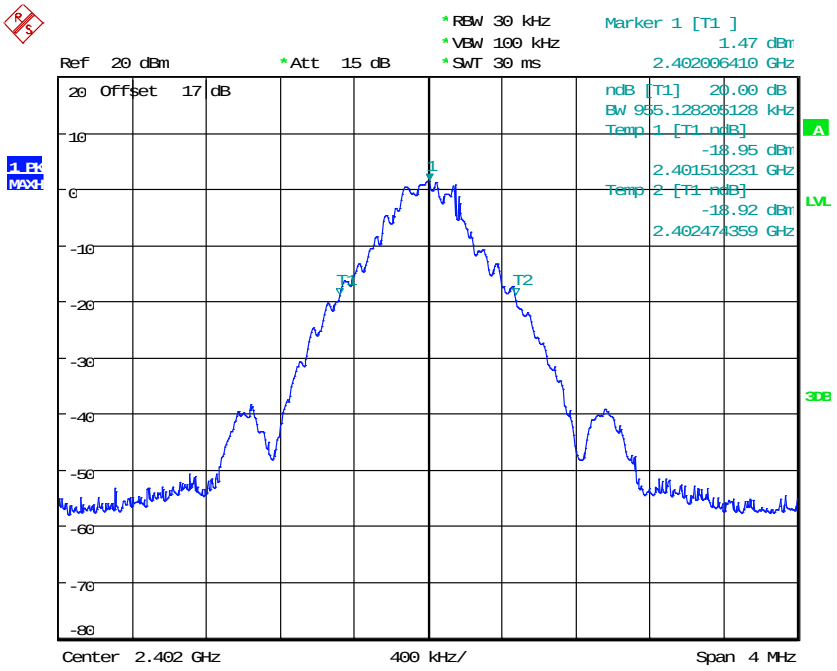
3.9 20dB Bandwidth

Frequency hopping systems operating in the 5725-5850 MHz bands shall use a maximum 20dB bandwidth of 1 MHz.
The 20dB bandwidth is measured on the lowest, middle and highest hopping channel.

For frequency hopping systems operating in the 902-928 MHz band the maximum 20dB bandwidth of the hopping channel is 500 kHz.

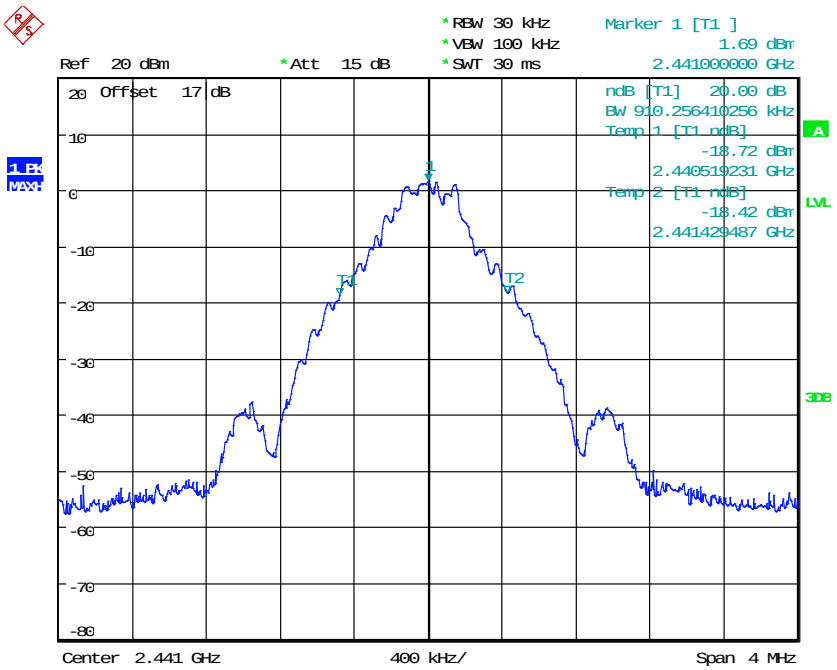
Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 2.0
Normal mode



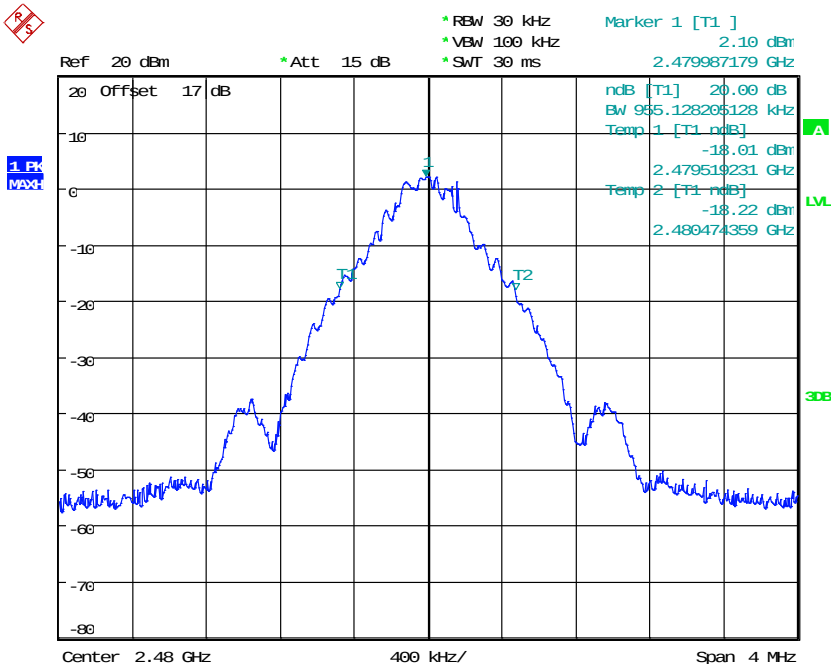
20DB BANDWIDTH CH0
Date: 24.JUN.2020 08:25:37

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



20DB BANDWIDTH CH39

Date: 24.JUN.2020 08:26:29

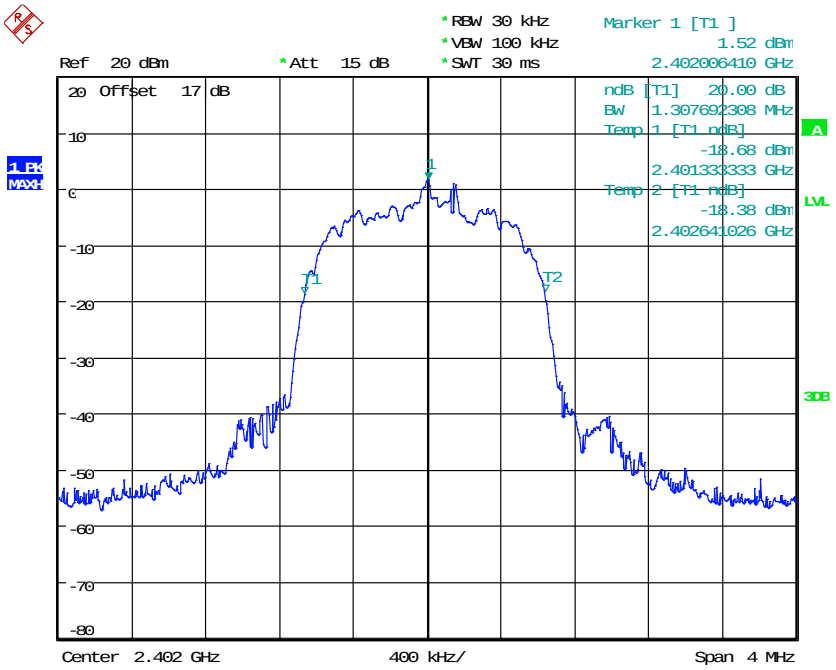


20DB BANDWIDTH CH78

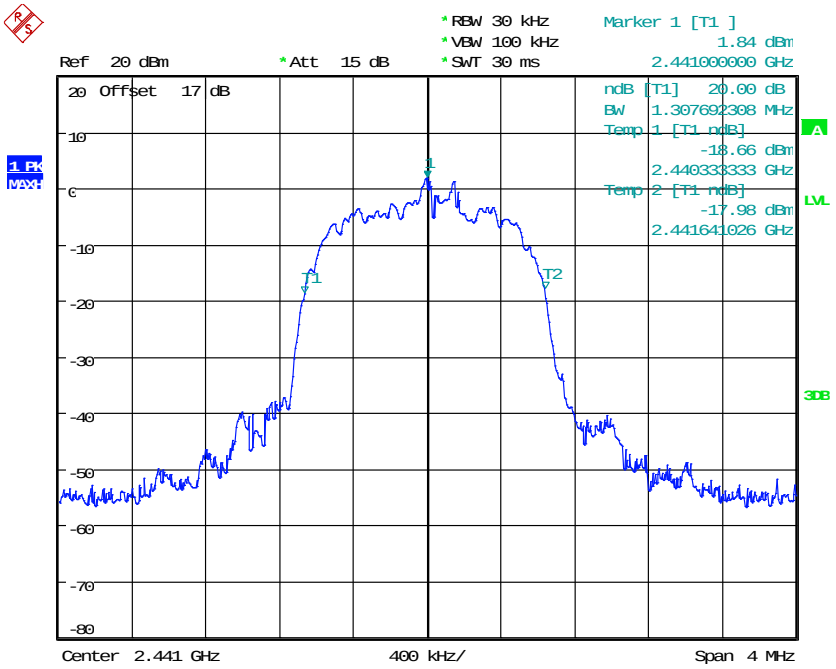
Date: 24.JUN.2020 08:27:33

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

EDR mode

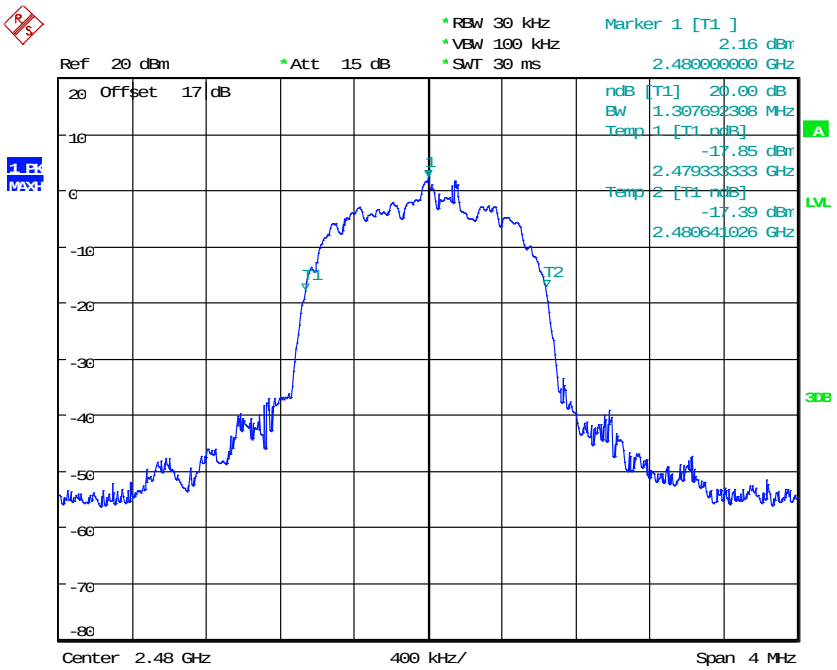


20DB BANDWIDTH CH0 EDR MODE
Date: 24.JUN.2020 08:36:21



20DB BANDWIDTH CH39 EDR MODE
Date: 24.JUN.2020 08:37:29

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



20DB BANDWIDTH CH78 EDR MODE
Date: 24.JUN.2020 08:38:25

Limits:

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

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

3.9.1 System Receiver Input Bandwidth

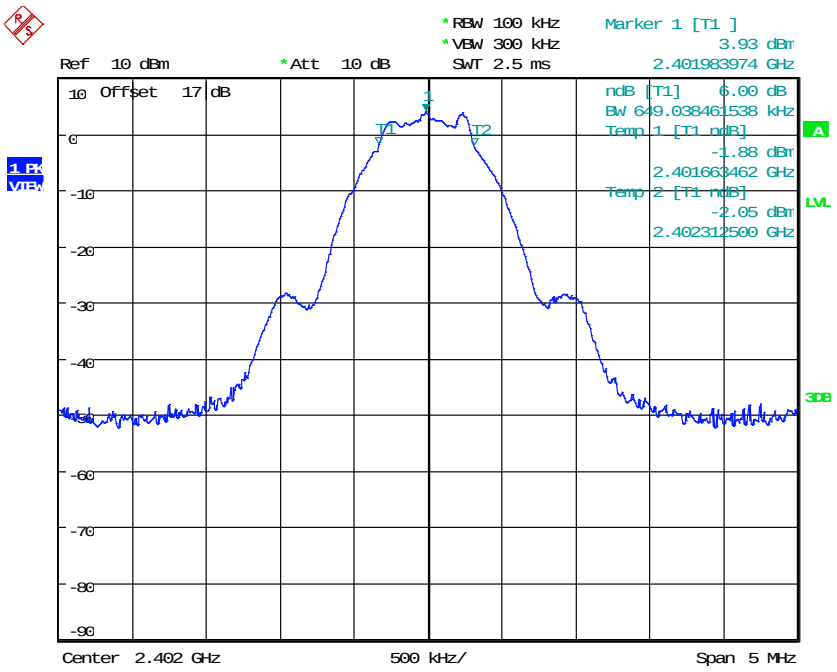
It is determined in the Bluetooth core specification. The value matches to the bandwidth of transmitter signal.

3.10 Minimum 6 dB Bandwidth

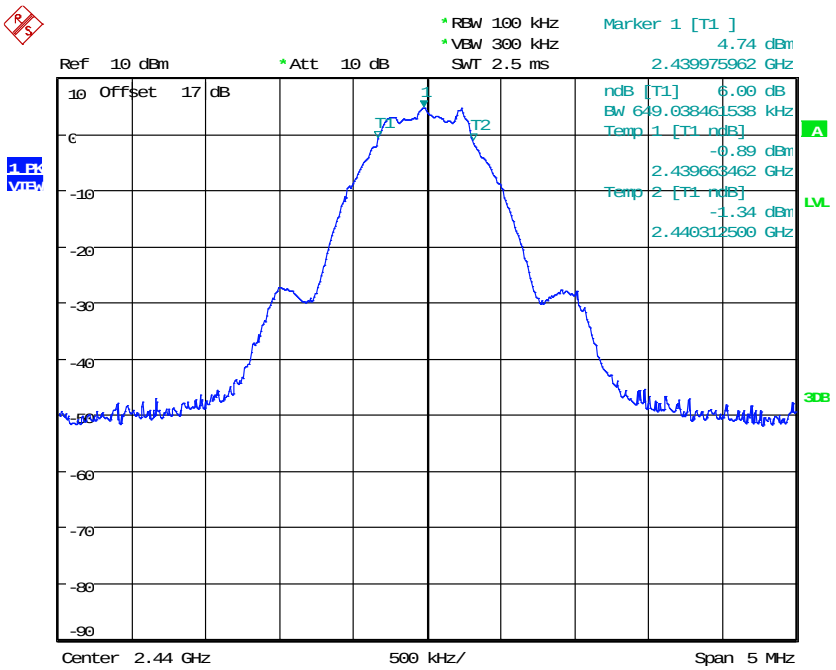
The analyzer ResBW was set to 100 kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK reading was taken, two markers were set 6 dB below the maximum level on the right and the left side of the emission.
The 6 dB bandwidth is the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

Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 4.0

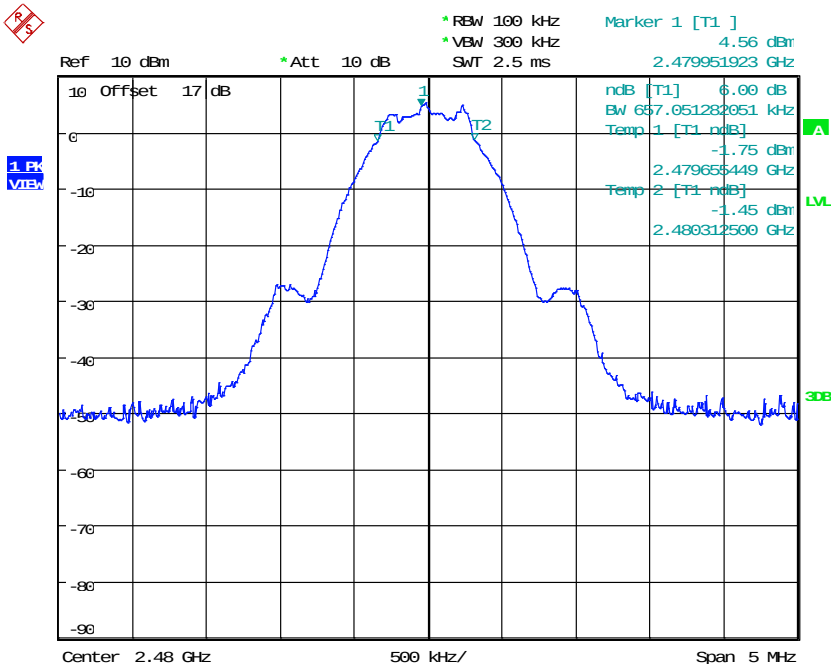


6DB BANDWIDTH BT4.0 CH00
Date: 24.JUN.2020 09:10:51



6DB BANDWIDTH BT4.0 CH19

Date: 24.JUN.2020 09:16:33



6DB BANDWIDTH BT4.0 CH39

Date: 24.JUN.2020 09:17:17

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

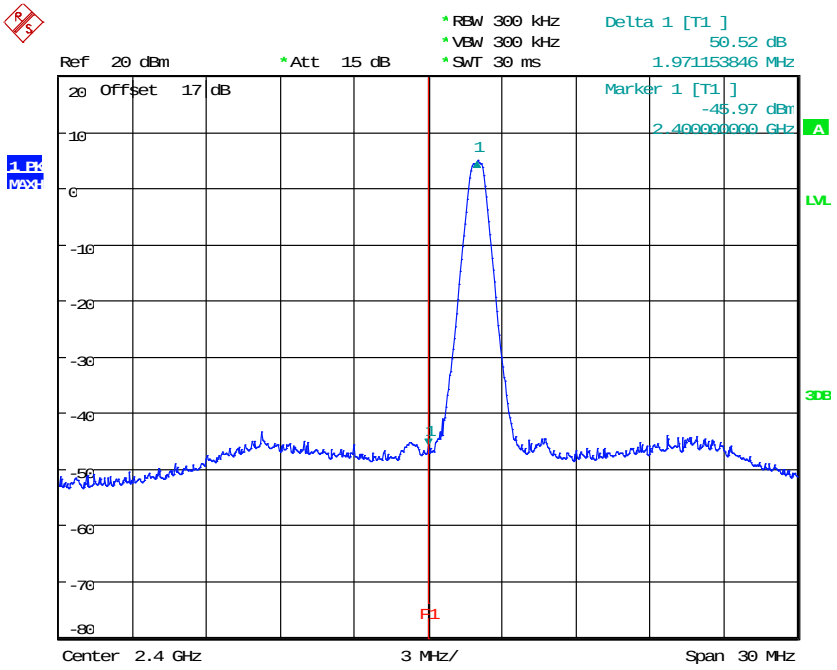
3.11 Radiated Emission on the band edge

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

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

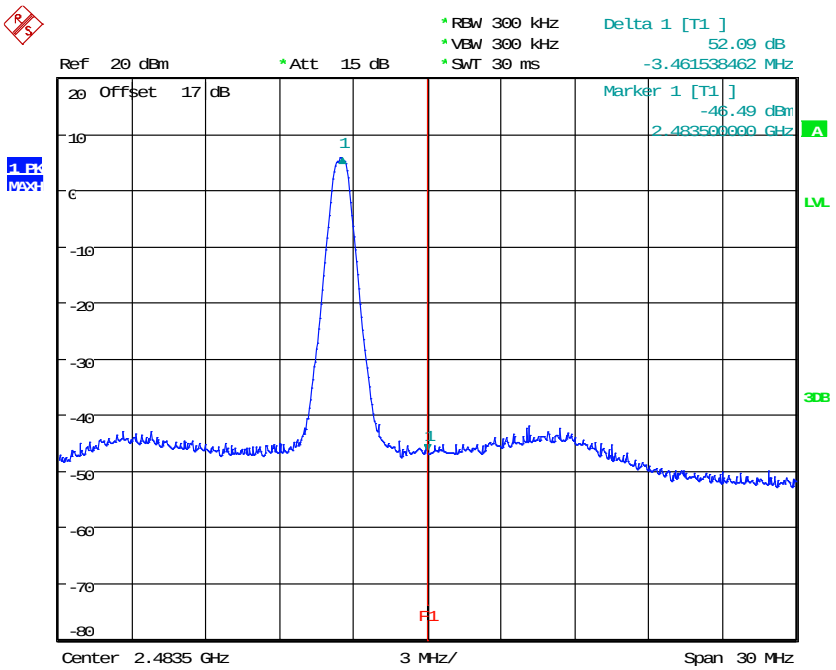
Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 2.0
Normal mode



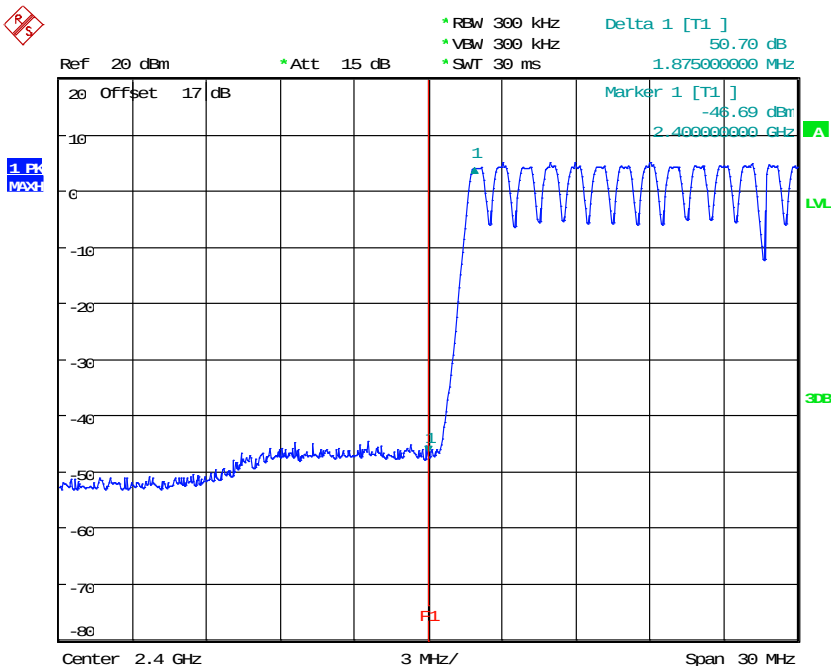
BANDEDGE CH0
Date: 24.JUN.2020 08:25:49

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



BANDEDGE CH78

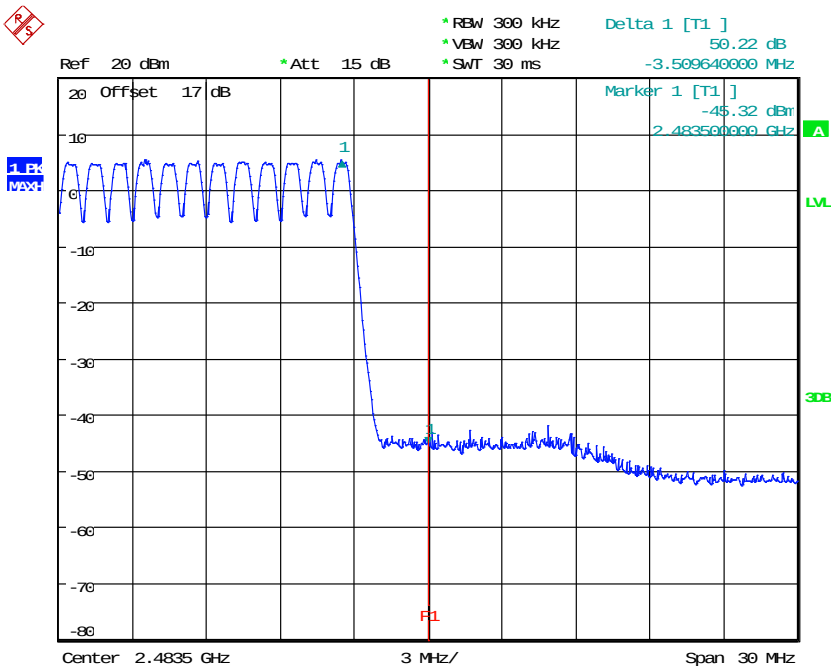
Date: 24.JUN.2020 08:27:41



BANDEDGE CH0 HOPPING MODE

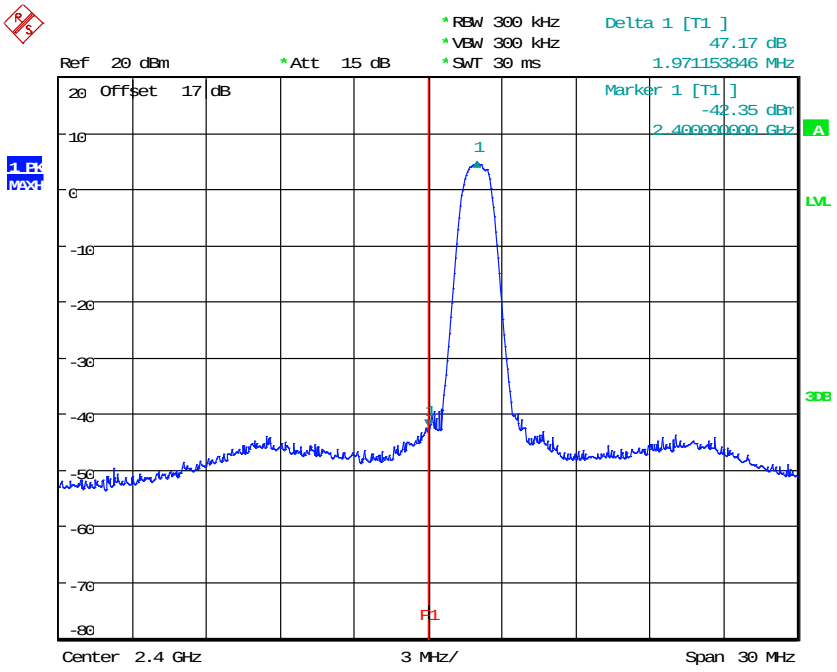
Date: 24.JUN.2020 08:29:50

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



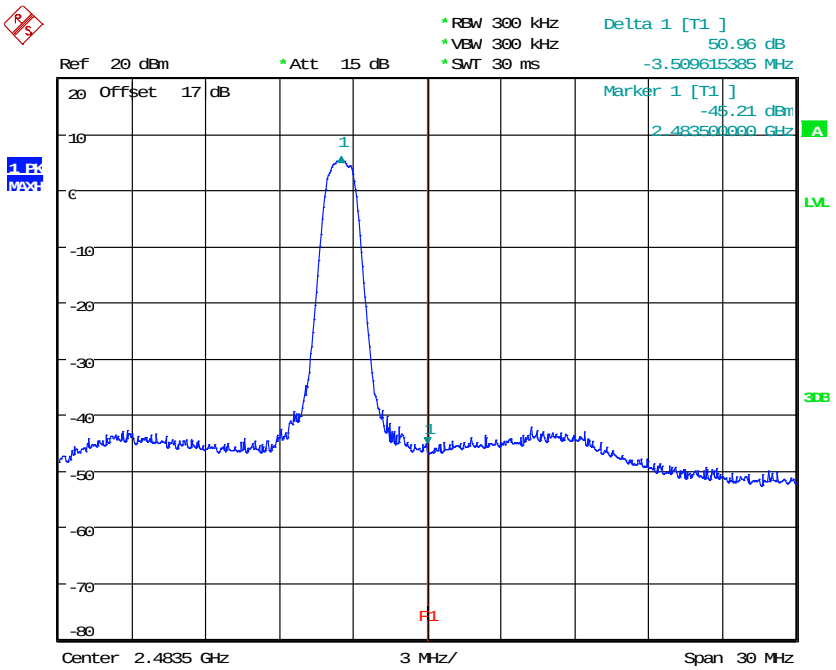
BANDEDGE CH78 HOPPING MODE
Date: 24.JUN.2020 08:30:30

EDR mode



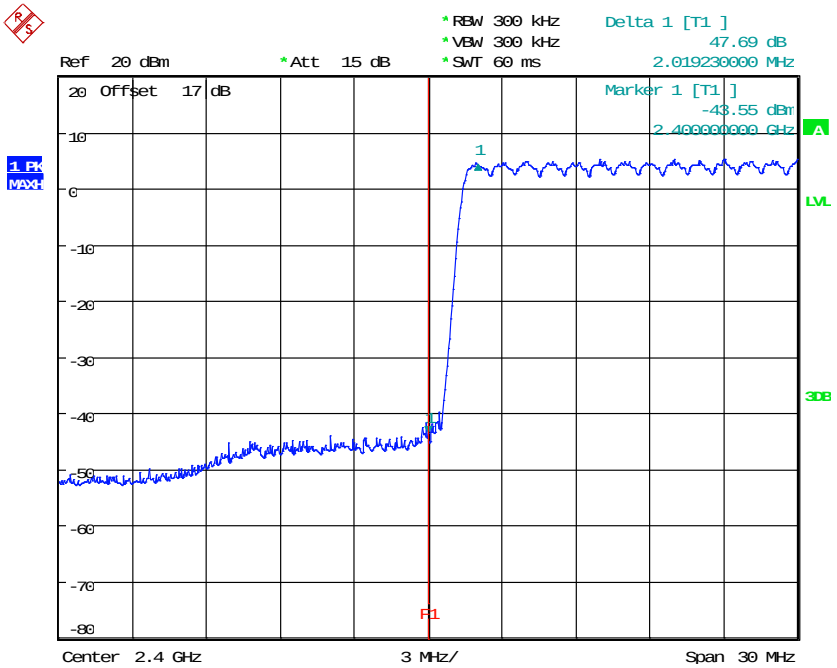
BANDEDGE CH0 EDR MODE
Date: 24.JUN.2020 08:36:33

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



BANDEDGE CH78 EDR MODE

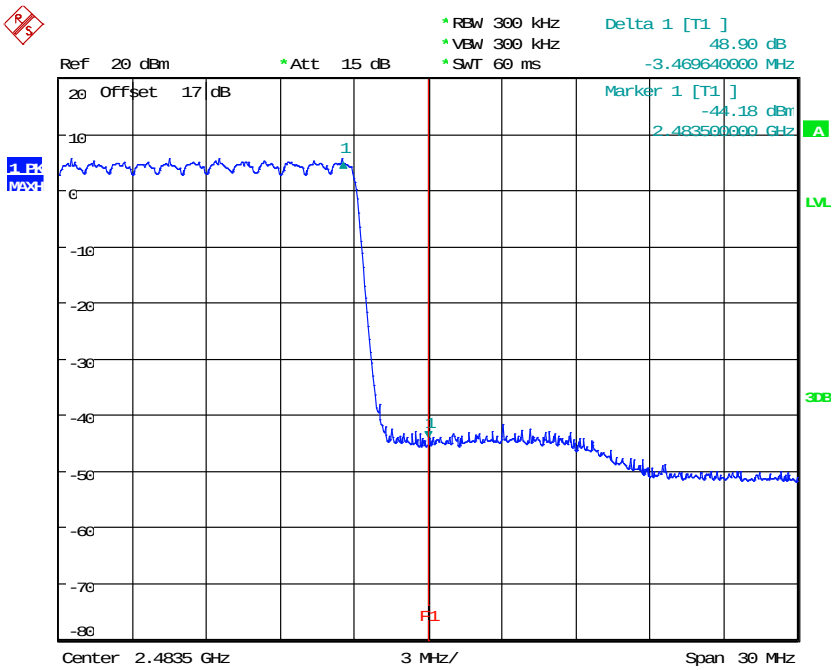
Date: 24.JUN.2020 08:38:37



BANDEDGE CH0 EDR HOPPING MODE

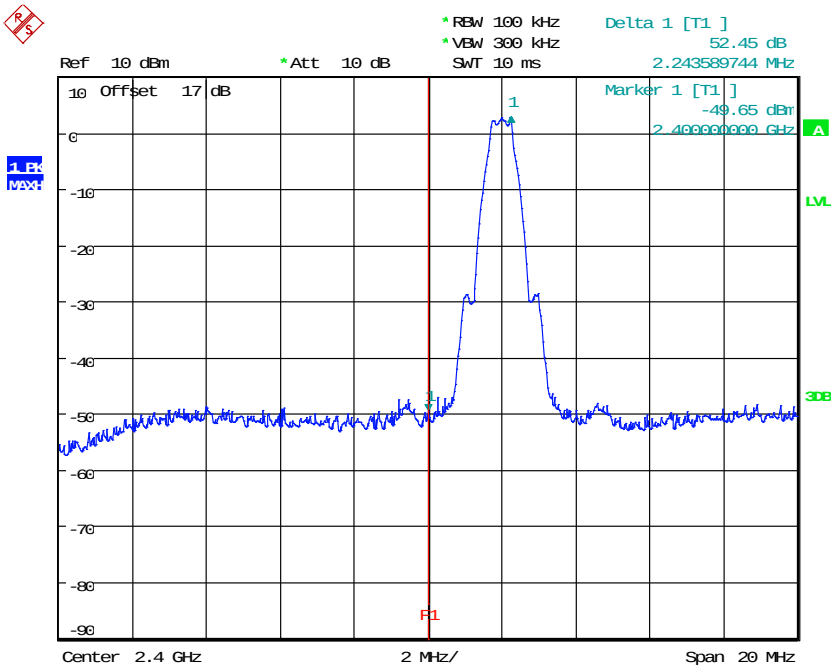
Date: 24.JUN.2020 08:41:01

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



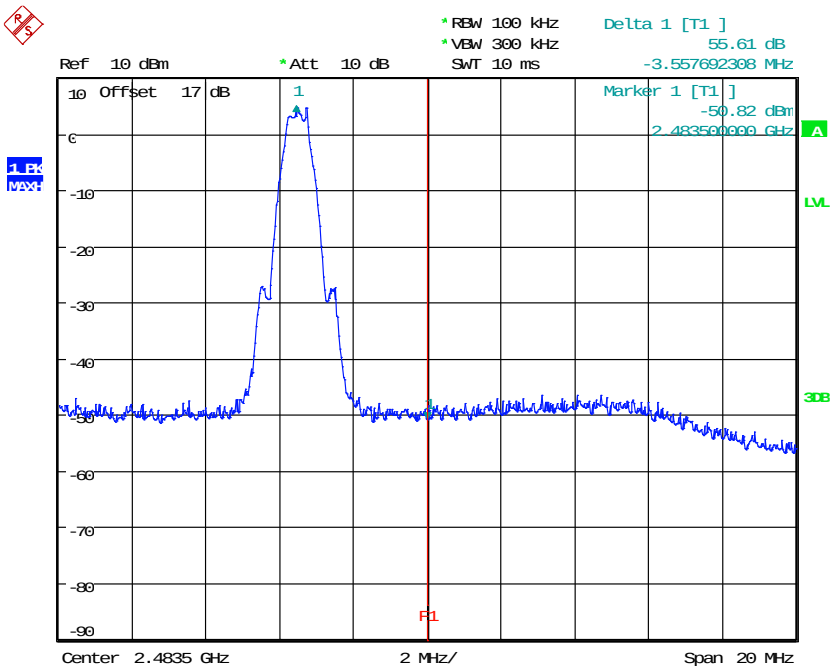
BANDEDGE CH78 EDR HOPPING MODE
Date: 24.JUN.2020 08:42:45

Bluetooth 4.0



BANDEDGE BT4.0 CH00
Date: 24.JUN.2020 09:11:11

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



BANDEDGE BT4.0 CH39
Date: 24.JUN.2020 09:17:40

Limit:

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

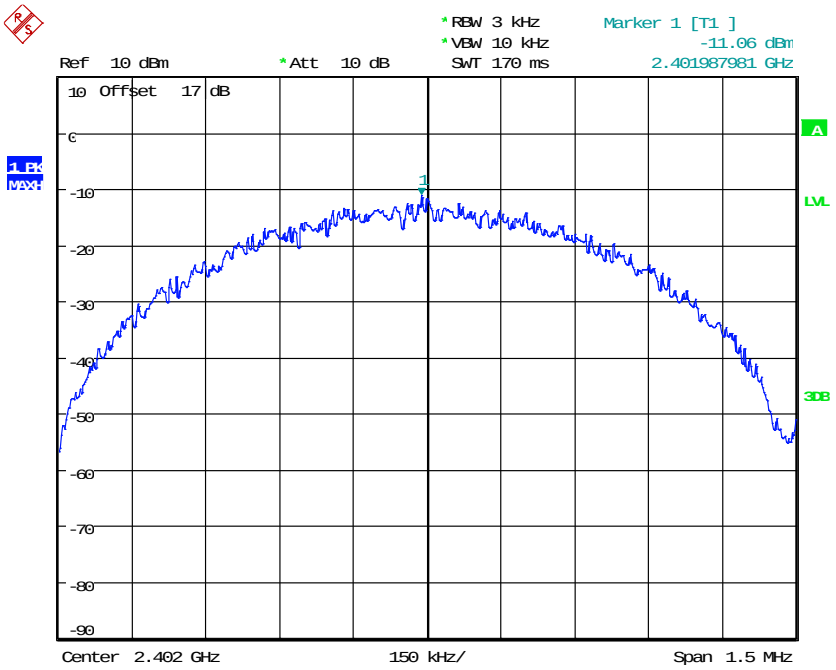
Test equipment used: ETSTW-RE 055, ETSTW-RE 050, ETSTW-RE 064

3.12 Peak Power Spectral Density

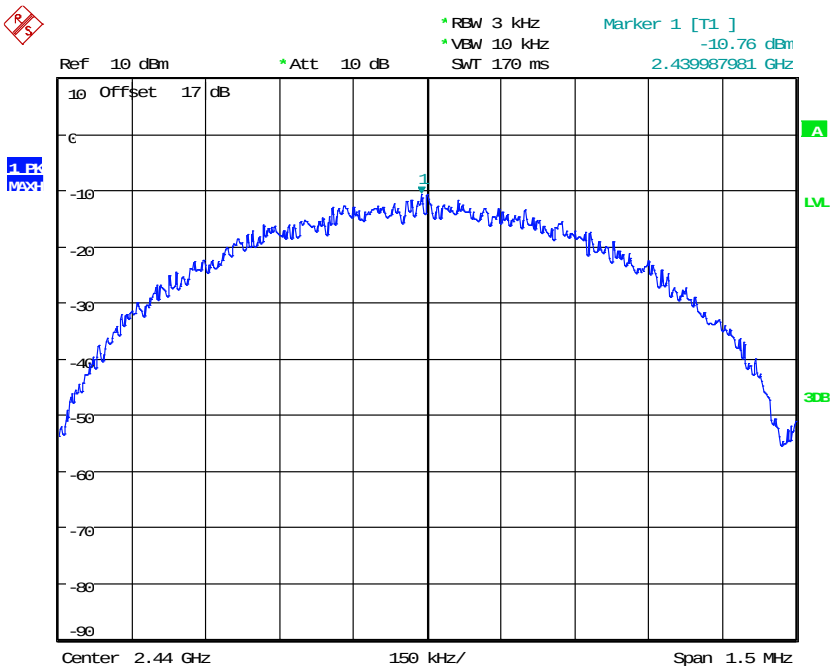
Peak Power Spectral density is a measured at low, middle and high channel.
The peak output power is measured with a measurement bandwidth of 10 MHz and displayed on diagram together with Peak Power Spectral Density result which was measured with a bandwidth of 3 kHz, appreciate frequency span and sweep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

Test date: June 24, 2020
Temperature: 24.1 ˚C
Humidity: 52.0 %
Tester: Spencer

Bluetooth 4.0

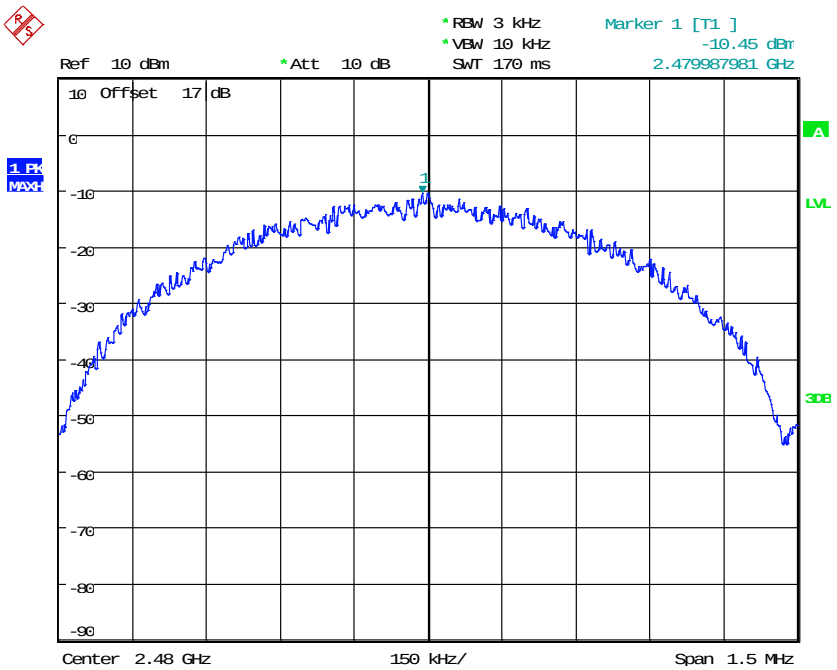


POWER DENSITY BT4.0 CH00
Date: 24.JUN.2020 09:11:03



POWER DENSITY BT4.0 CH19

Date: 24.JUN.2020 09:16:45



POWER DENSITY BT4.0 CH39

Date: 24.JUN.2020 09:17:31

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

Limits:

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

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

3.13 Radiated Emission from Receiver Part

FCC Rule: 15.109

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

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

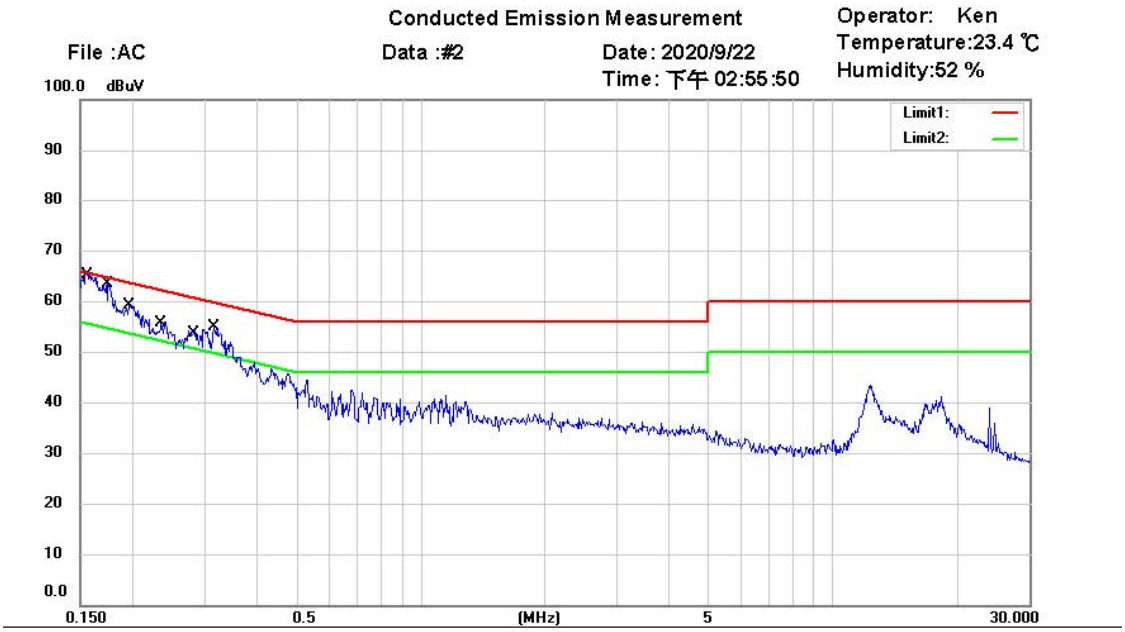
Test equipment used: ETSTW-RE 030, ETSTW-RE 055, ETSTW-RE 064, ETSTW-RE 111

Explanation: Please refer to separated test report no.: W6M22006-19970-P-15B.

3.14 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.

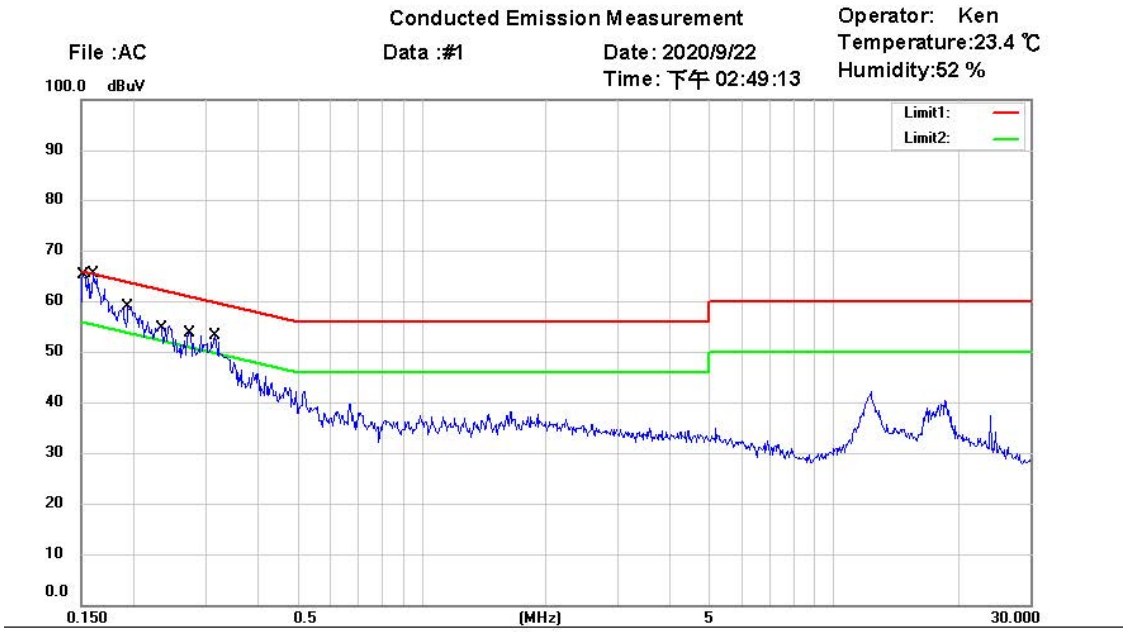
Adapter



Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: N
EUT : W6M22006-19970
Power : 120 Va.c.
M/N:
Test Mode : Adapter
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1568	48.21	QP	9.59	57.80	65.63	-7.83	
	0.1568	32.44	AVG	9.59	42.03	55.63	-13.60	
	0.1750	42.16	QP	9.59	51.75	64.72	-12.97	
	0.1750	15.85	AVG	9.59	25.44	54.72	-29.28	
	0.1955	40.14	QP	9.58	49.72	63.80	-14.08	
	0.1955	23.22	AVG	9.58	32.80	53.80	-21.00	
	0.2358	37.87	QP	9.57	47.44	62.24	-14.80	
	0.2358	19.06	AVG	9.57	28.63	52.24	-23.61	
	0.2781	37.46	QP	9.57	47.03	60.87	-13.84	
	0.2781	21.49	AVG	9.57	31.06	50.87	-19.81	
	0.3180	38.29	QP	9.56	47.85	59.76	-11.91	
	0.3180	22.33	AVG	9.56	31.89	49.76	-17.87	

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

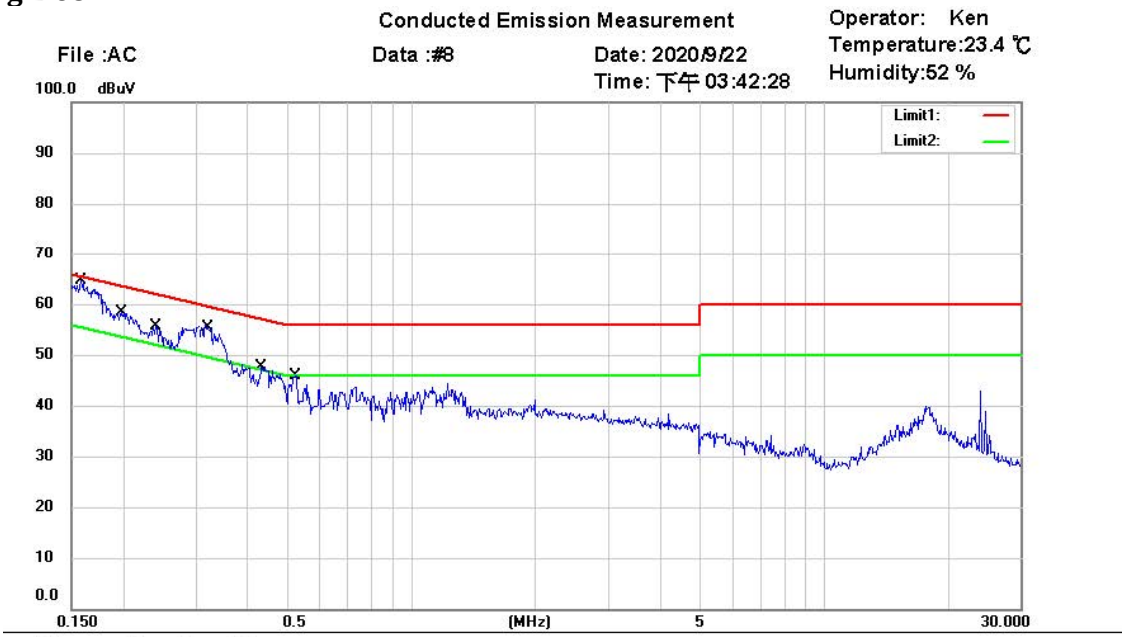


Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: L1
EUT : W6M22006-19970
Power : 120 Va.c.
M/N:
Test Mode : Adapter
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
	0.1510	44.11	QP	9.61	53.72	65.94	-12.22	
	0.1510	24.97	AVG	9.61	34.58	55.94	-21.36	
*	0.1598	49.52	QP	9.61	59.13	65.47	-6.34	
	0.1598	33.29	AVG	9.61	42.90	55.47	-12.57	
	0.1965	41.38	QP	9.60	50.98	63.76	-12.78	
	0.1965	25.03	AVG	9.60	34.63	53.76	-19.13	
	0.2354	38.91	QP	9.59	48.50	62.26	-13.76	
	0.2354	20.83	AVG	9.59	30.42	52.26	-21.84	
	0.2737	37.77	QP	9.59	47.36	61.00	-13.64	
	0.2737	21.14	AVG	9.59	30.73	51.00	-20.27	
	0.3155	38.69	QP	9.58	48.27	59.82	-11.55	
	0.3155	23.57	AVG	9.58	33.15	49.82	-16.67	

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001

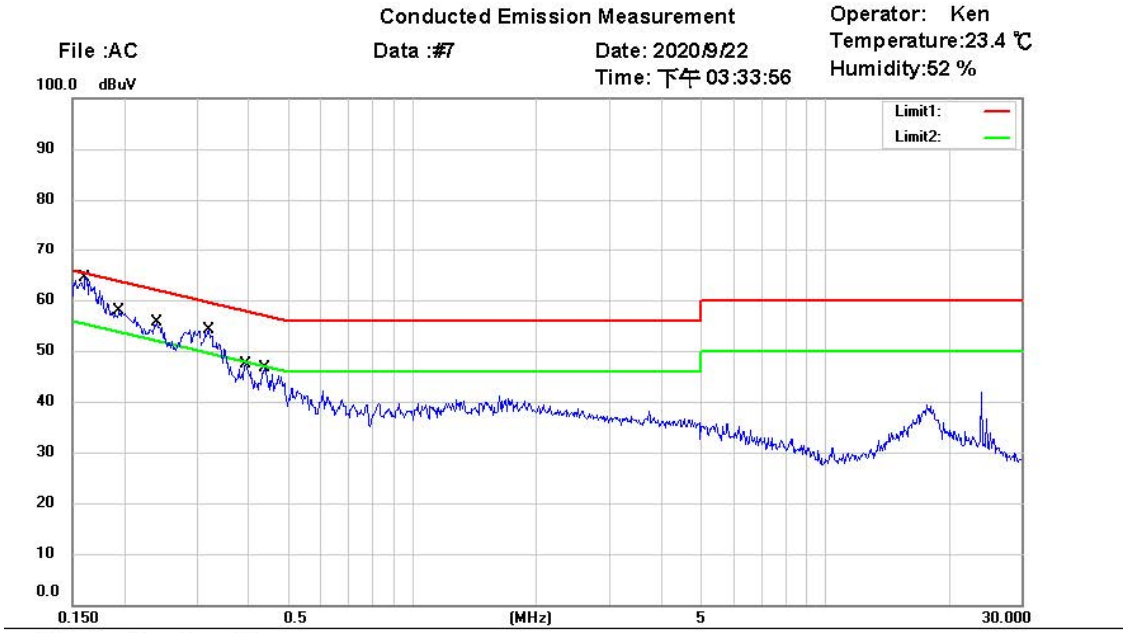
Charging Dock



Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: N
EUT : W6M22006-19970
Power : 120 Va.c.
M/N:
Test Mode : Charging Dock
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1594	46.90	QP	9.59	56.49	65.50	-9.01	
	0.1594	30.64	AVG	9.59	40.23	55.50	-15.27	
	0.1996	38.41	QP	9.58	47.99	63.63	-15.64	
	0.1996	22.46	AVG	9.58	32.04	53.63	-21.59	
	0.2367	36.68	QP	9.57	46.25	62.21	-15.96	
	0.2367	16.96	AVG	9.57	26.53	52.21	-25.68	
	0.3220	39.38	QP	9.56	48.94	59.66	-10.72	
	0.3220	23.88	AVG	9.56	33.44	49.66	-16.22	
	0.4396	30.01	QP	9.54	39.55	57.07	-17.52	
	0.4396	15.32	AVG	9.54	24.86	47.07	-22.21	
	0.5233	27.96	QP	9.53	37.49	56.00	-18.51	
	0.5233	12.53	AVG	9.53	22.06	46.00	-23.94	

Registration number: W6M22006-19970-C-1
FCC ID: 2AWOW-ACW001



Site : Chamber_03
Condition : FCC Part 15 Class B Conduction (QP)
Phase: L1
EUT : W6M22006-19970
Power : 120 Va.c.
M/N:
Test Mode : Charging Dock
Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Comment
*	0.1586	47.53	QP	9.61	57.14	65.54	-8.40	
	0.1586	30.85	AVG	9.61	40.46	55.54	-15.08	
	0.1961	38.53	QP	9.60	48.13	63.77	-15.64	
	0.1961	21.14	AVG	9.60	30.74	53.77	-23.03	
	0.2394	37.32	QP	9.59	46.91	62.12	-15.21	
	0.2394	19.14	AVG	9.59	28.73	52.12	-23.39	
	0.3184	40.14	QP	9.58	49.72	59.75	-10.03	
	0.3184	25.98	AVG	9.58	35.56	49.75	-14.19	
	0.3933	29.62	QP	9.57	39.19	57.99	-18.80	
	0.3933	12.93	AVG	9.57	22.50	47.99	-25.49	
	0.4362	30.43	QP	9.57	40.00	57.13	-17.13	
	0.4362	16.22	AVG	9.57	25.79	47.13	-21.34	

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.**

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

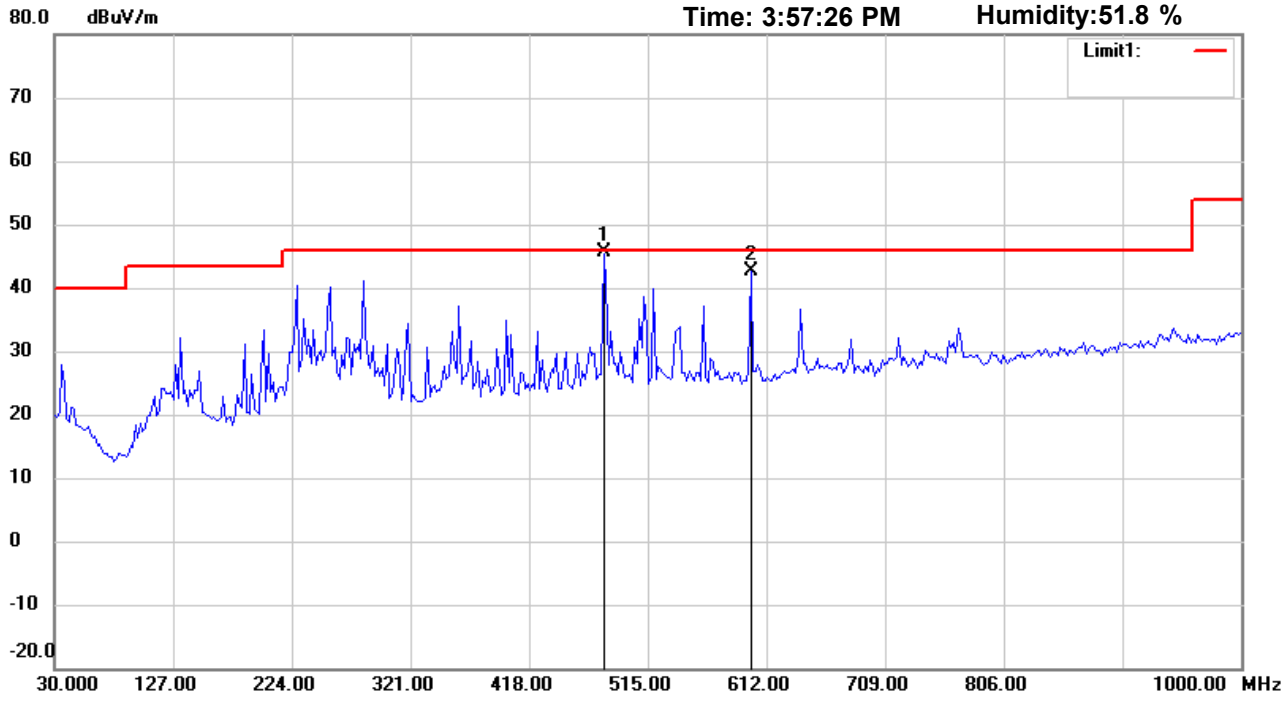
1. Spurious Emissions radiated
2. Bandedge

TX
BT2.0

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

Radiated Emission Measurement

Operator: Sky
File :1_TX_BT(2
Data :#1
Date: 9/19/2020
Time: 3:57:26 PM
Temperature:26.1 ℃
Humidity:51.8 %



Site : Chamber
Condition : FCC_part 15 RE-Class C_30-1000MHz
EUT : W6M22006-19970
M/N:
Test Mode : TX 2402MHz
Note :

Polarization: *Horizontal*
Power : 120V A.C.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	479.0380	48.76	QP	-3.02	45.74	46.00	100	335	-0.26	
	599.5590	44.73	peak	-2.10	42.63	46.00	100	160	-3.37	

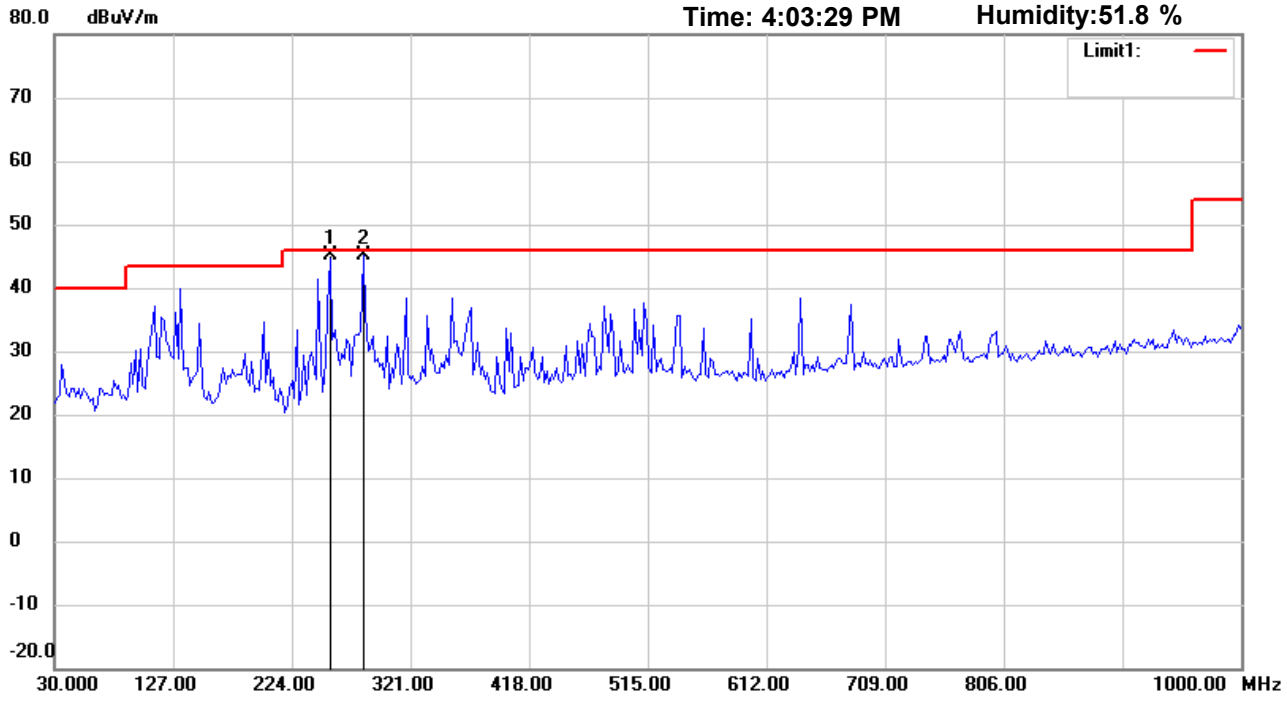
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Sky

File :1_TX_BT(2 | Data :#2 | Date: 9/19/2020 | Time: 4:03:29 PM | Temperature:26.1 ℃ | Humidity:51.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	255.4910	52.63	QP	-7.49	45.14	46.00	100	223	-0.86	
*	282.7053	51.38	QP	-6.17	45.21	46.00	100	56	-0.79	

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

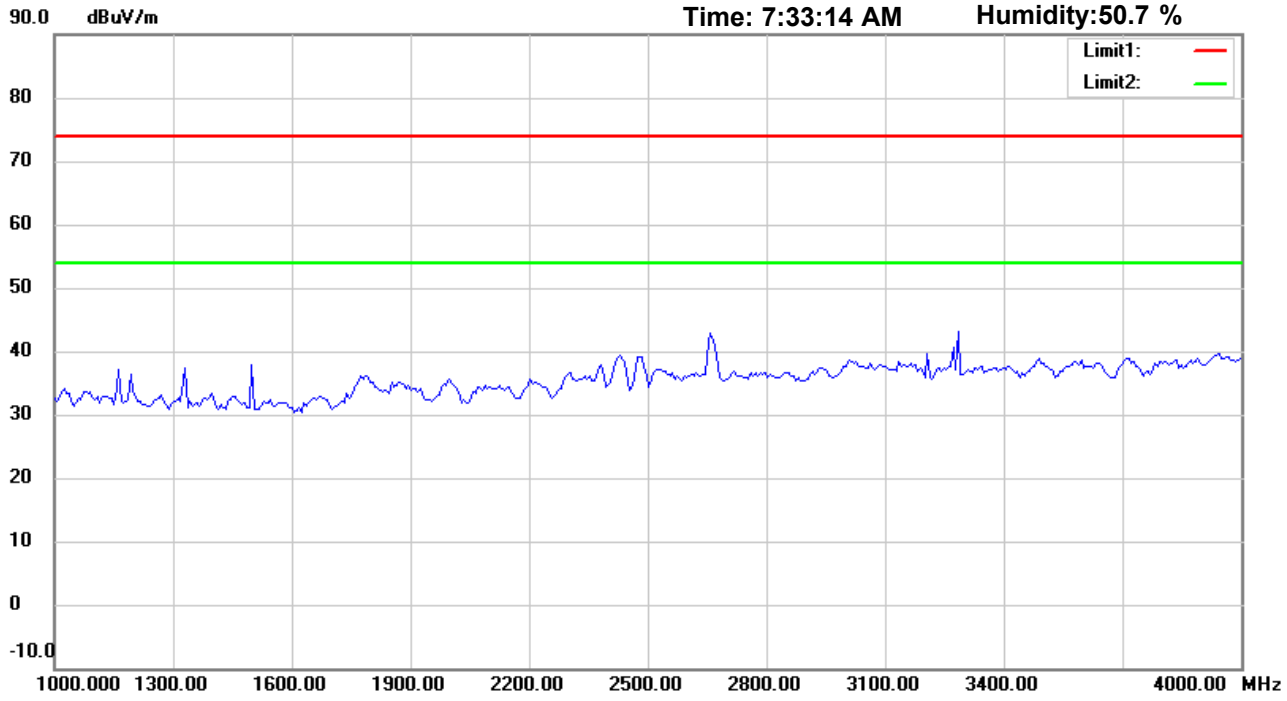
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 9/19/2020 Time: 7:33:14 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

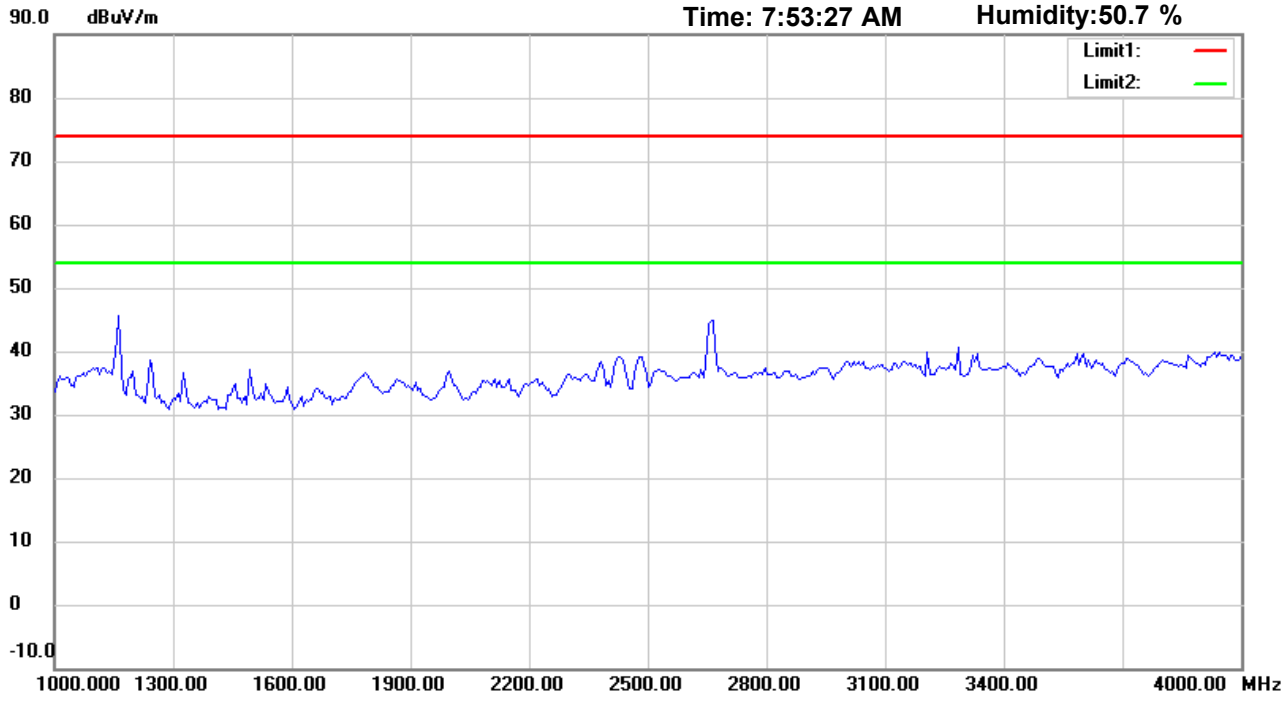
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 9/19/2020 Time: 7:53:27 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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

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

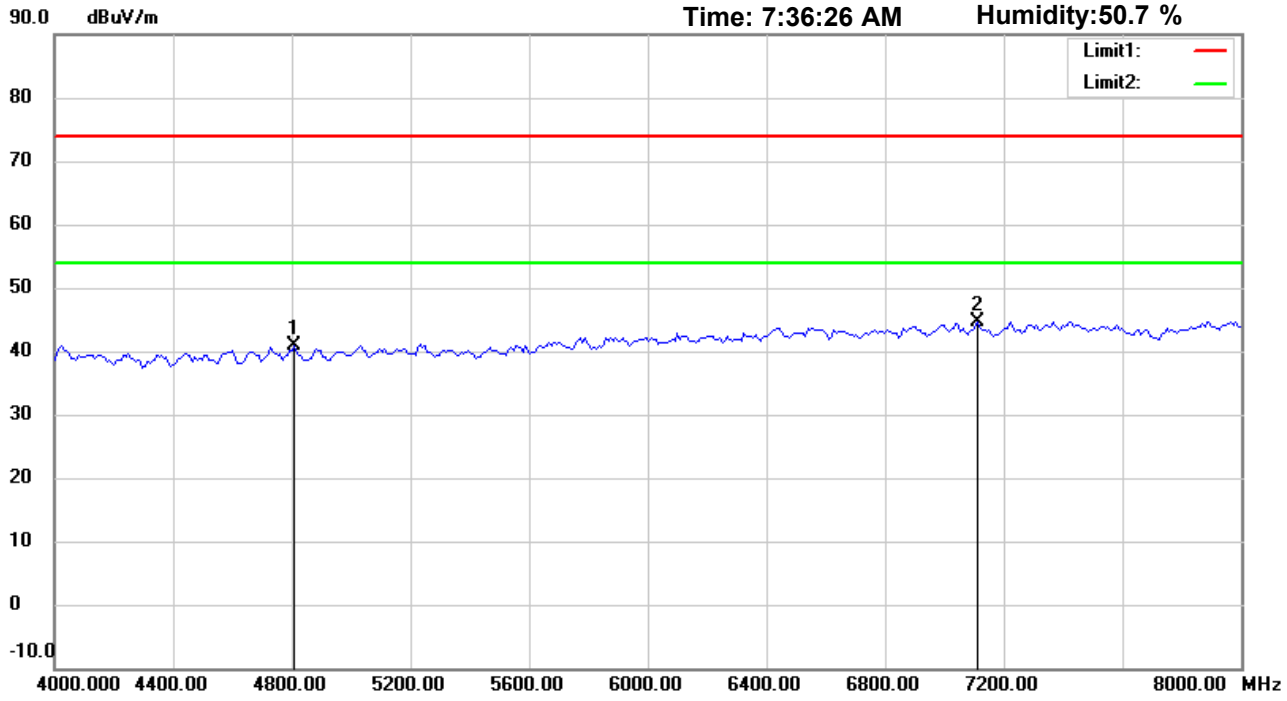
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 9/19/2020 Time: 7:36:26 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.66	peak	-1.75	40.91	74.00	150	126	-33.09	
*	7110.220	41.10	peak	3.59	44.69	74.00	150	315	-29.31	

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

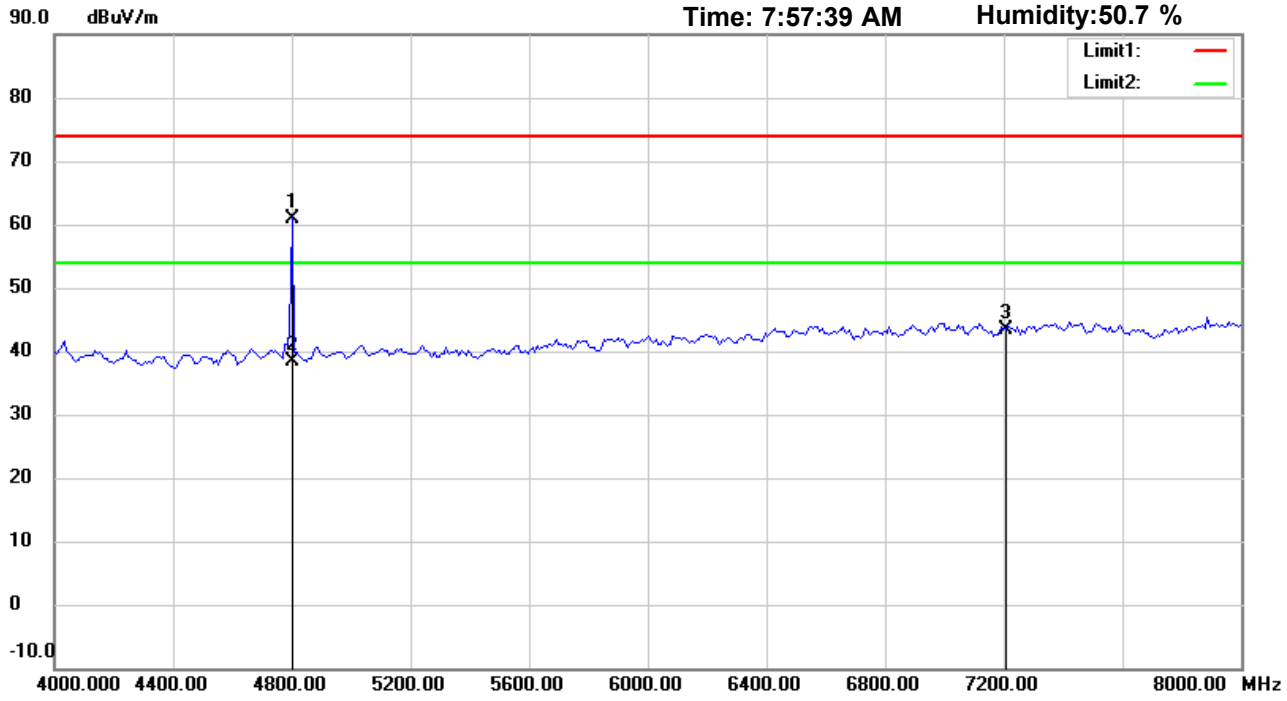
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 9/19/2020 Time: 7:57:39 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	4795.731	62.59	peak	-1.79	60.80	74.00	150	209	-13.20	
	4795.731	40.25	AVG	-1.79	38.46	54.00	150	209	-15.54	
	7206.000	40.12	peak	3.32	43.44	74.00	150	143	-30.56	

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

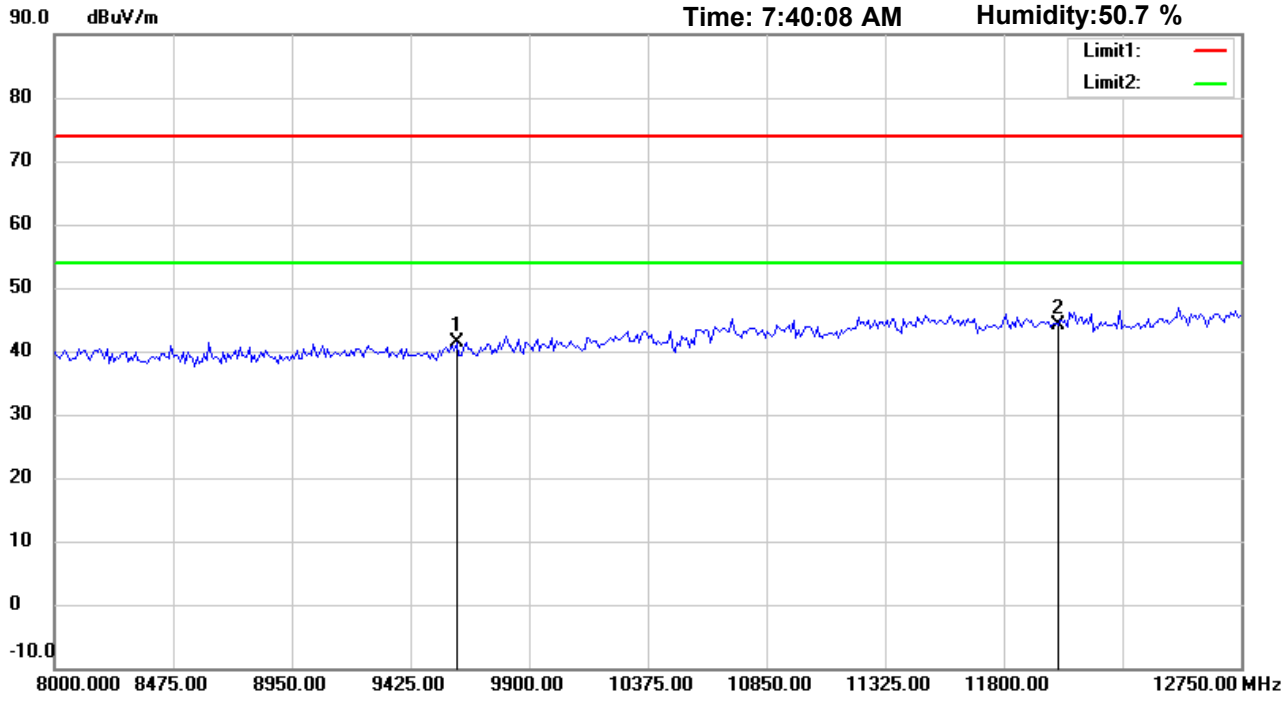
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 9/19/2020 Time: 7:40:08 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	34.71	peak	6.70	41.41	74.00	150	221	-32.59	
*	12010.000	32.50	peak	11.68	44.18	74.00	150	249	-29.82	

*: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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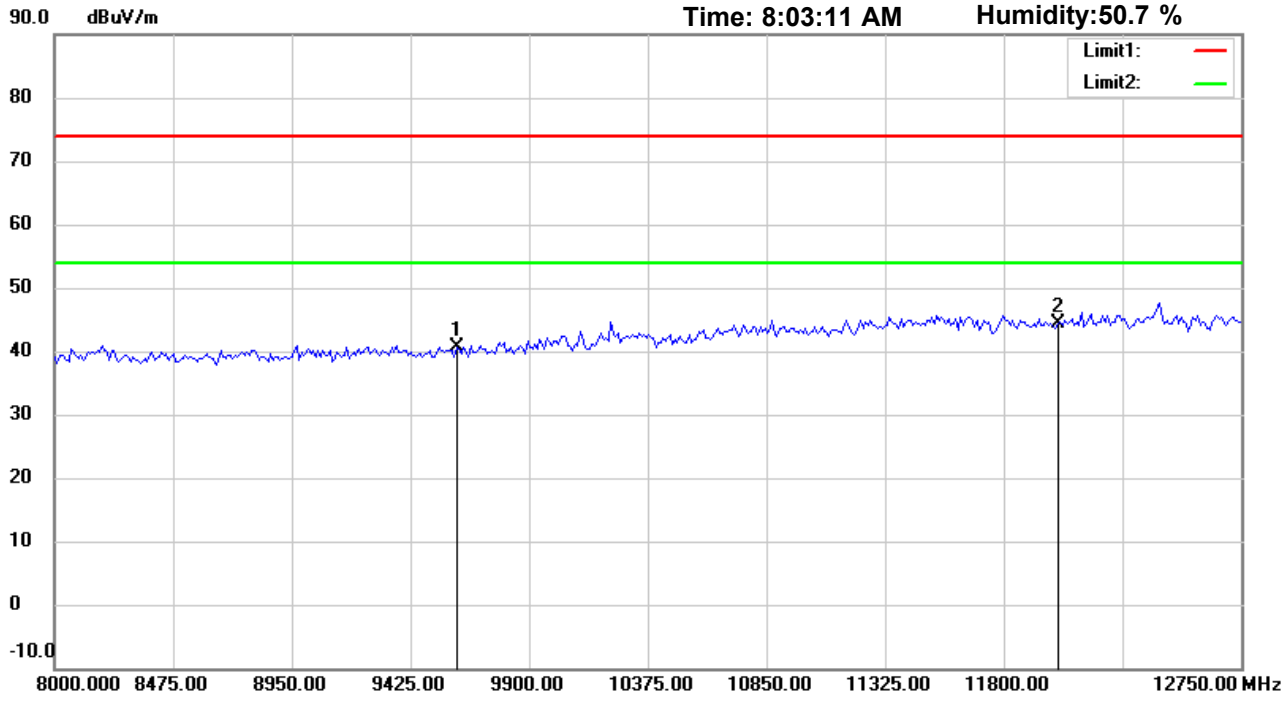
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 9/19/2020 Time: 8:03:11 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	33.95	peak	6.70	40.65	74.00	150	229	-33.35	
*	12010.000	32.78	peak	11.68	44.46	74.00	150	148	-29.54	

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

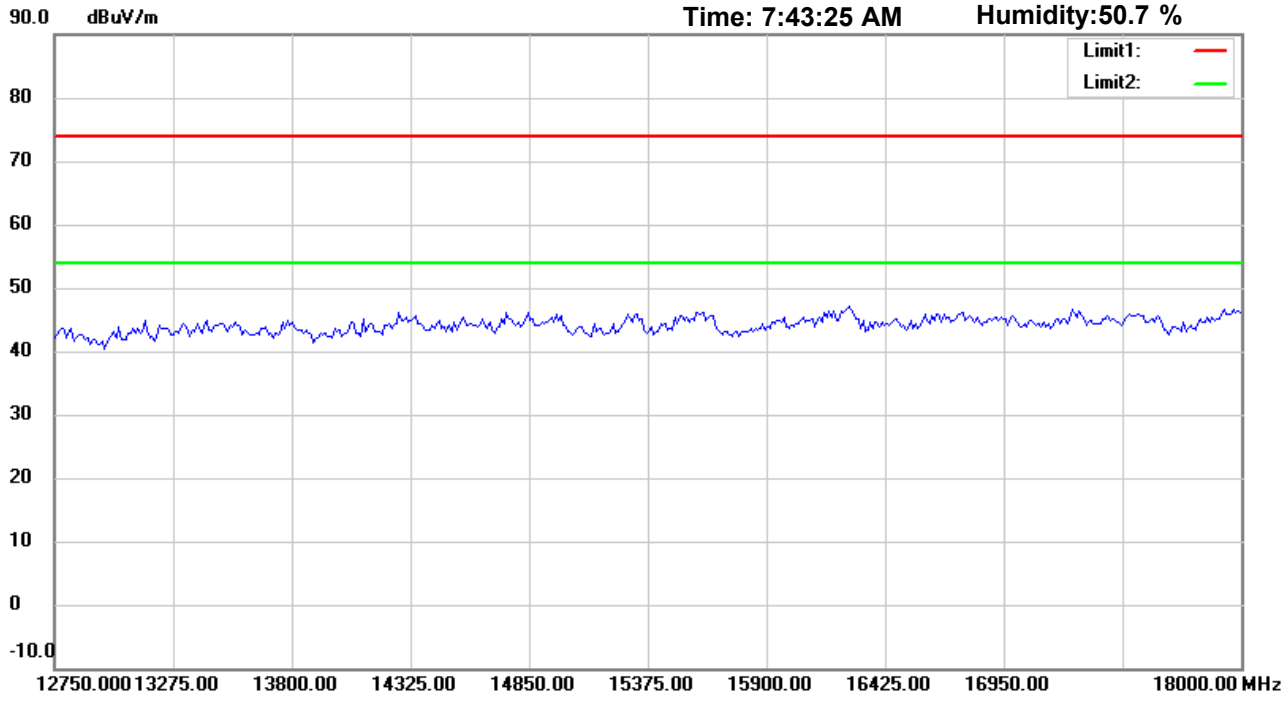
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 9/19/2020 Time: 7:43:25 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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

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

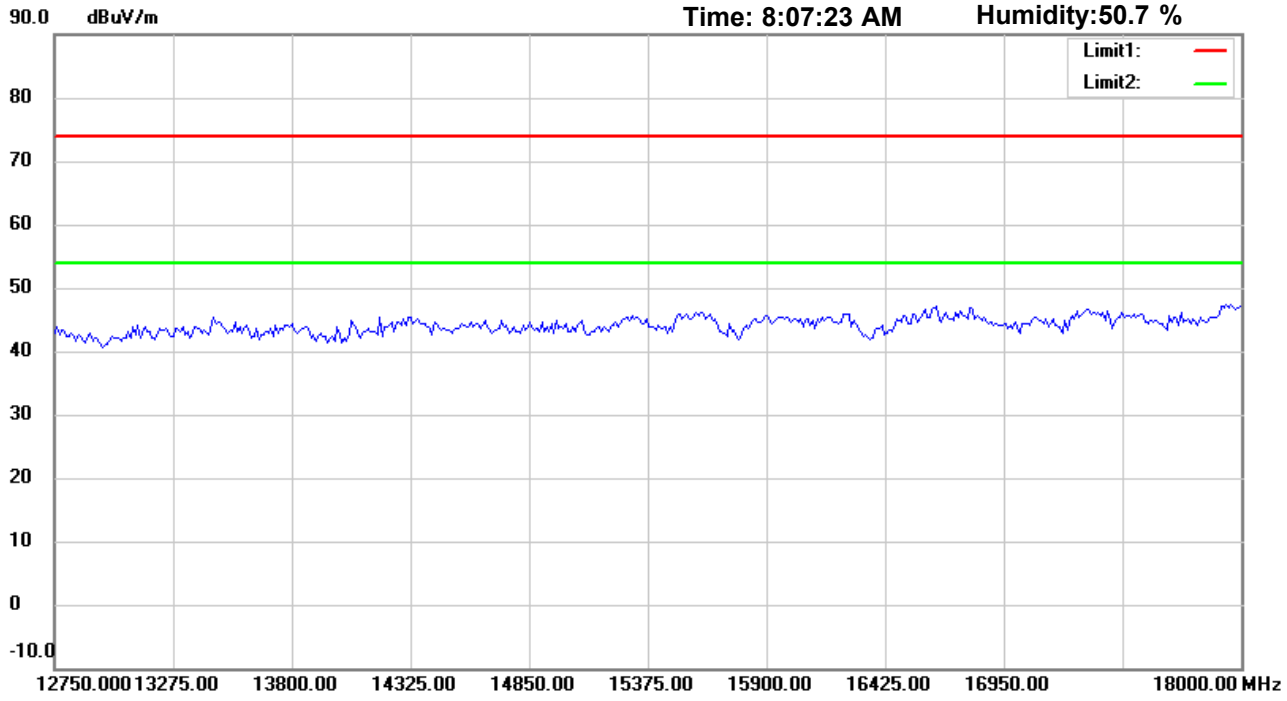
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 9/19/2020 Time: 8:07:23 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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

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

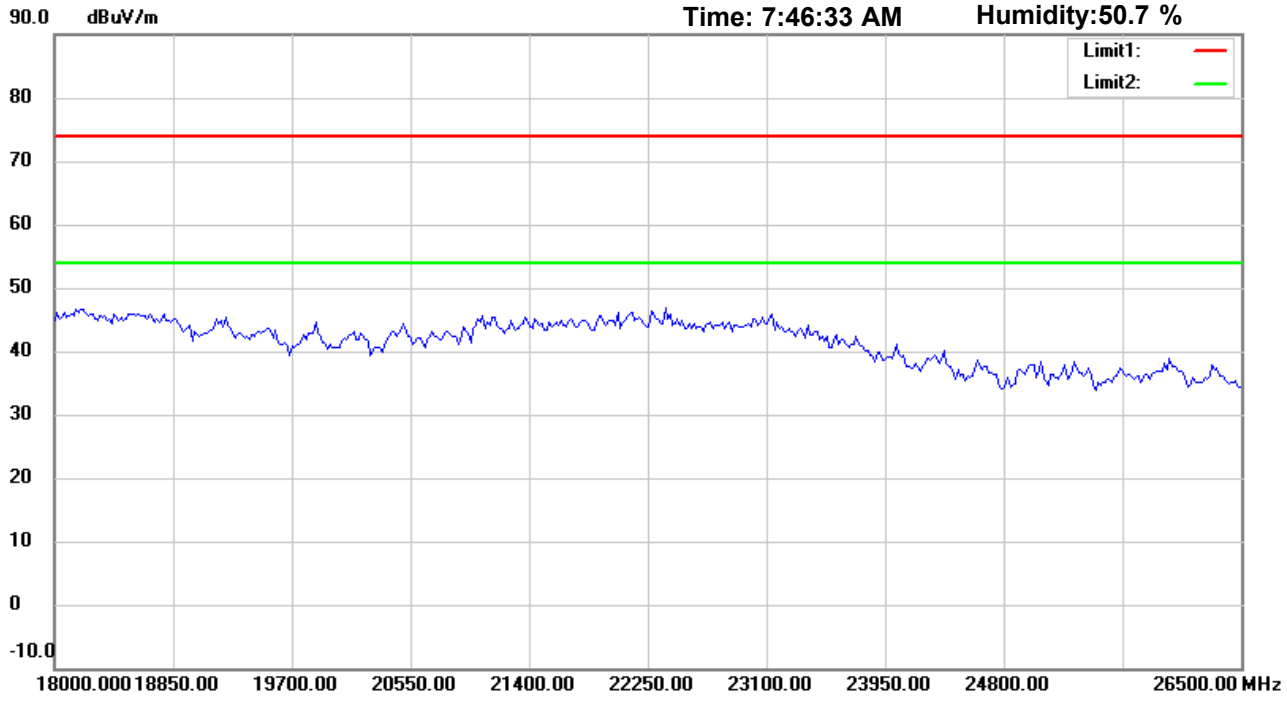
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 9/19/2020 Time: 7:46:33 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

*: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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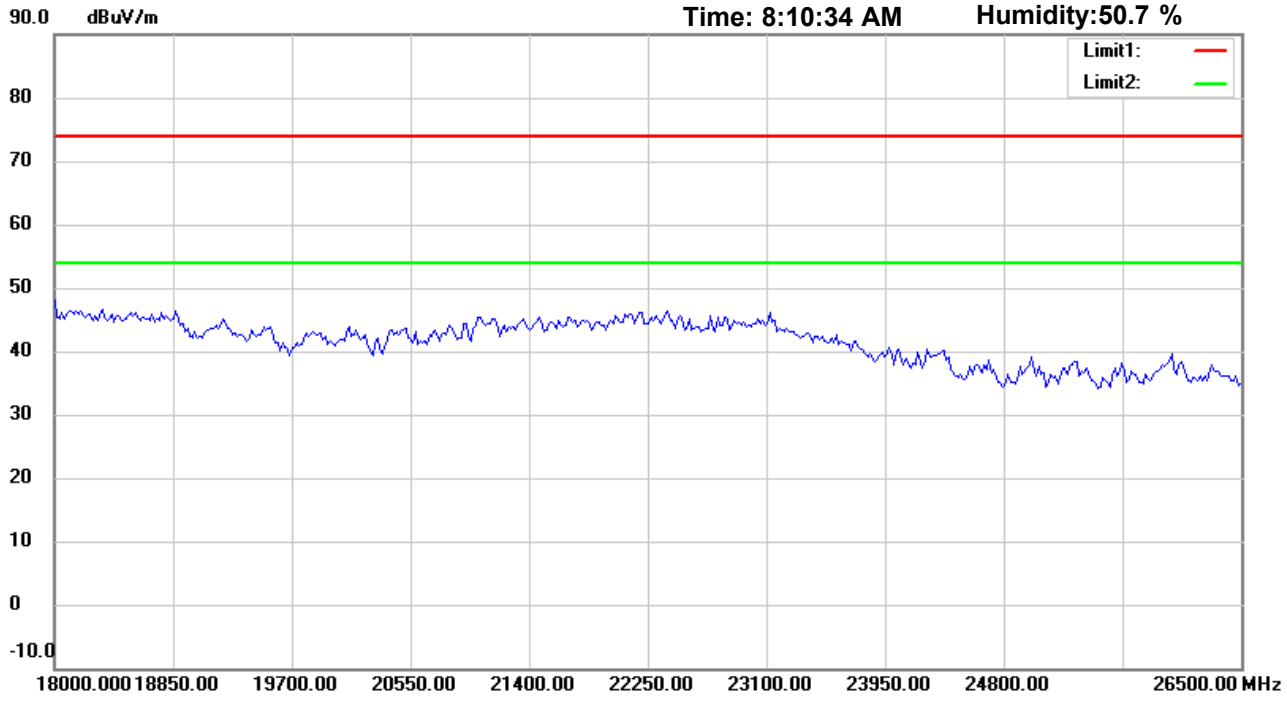
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 9/19/2020 Time: 8:10:34 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

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

*: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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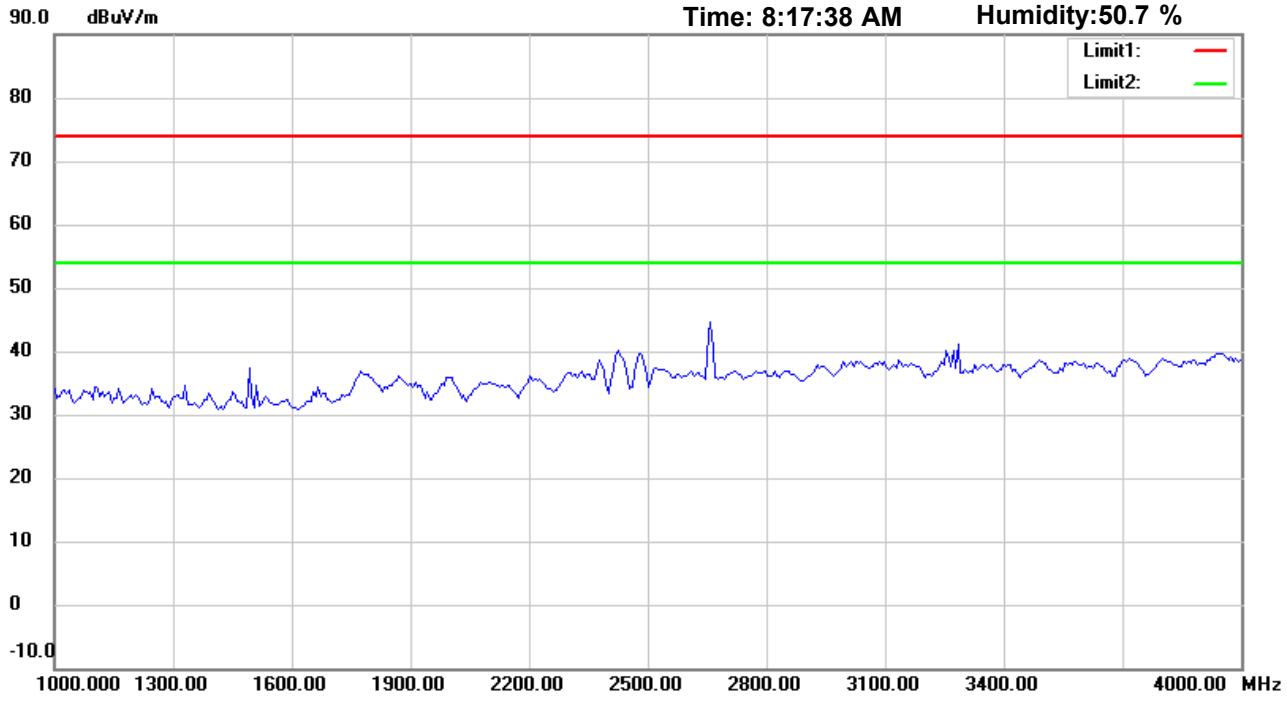
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 9/19/2020 Time: 8:17:38 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

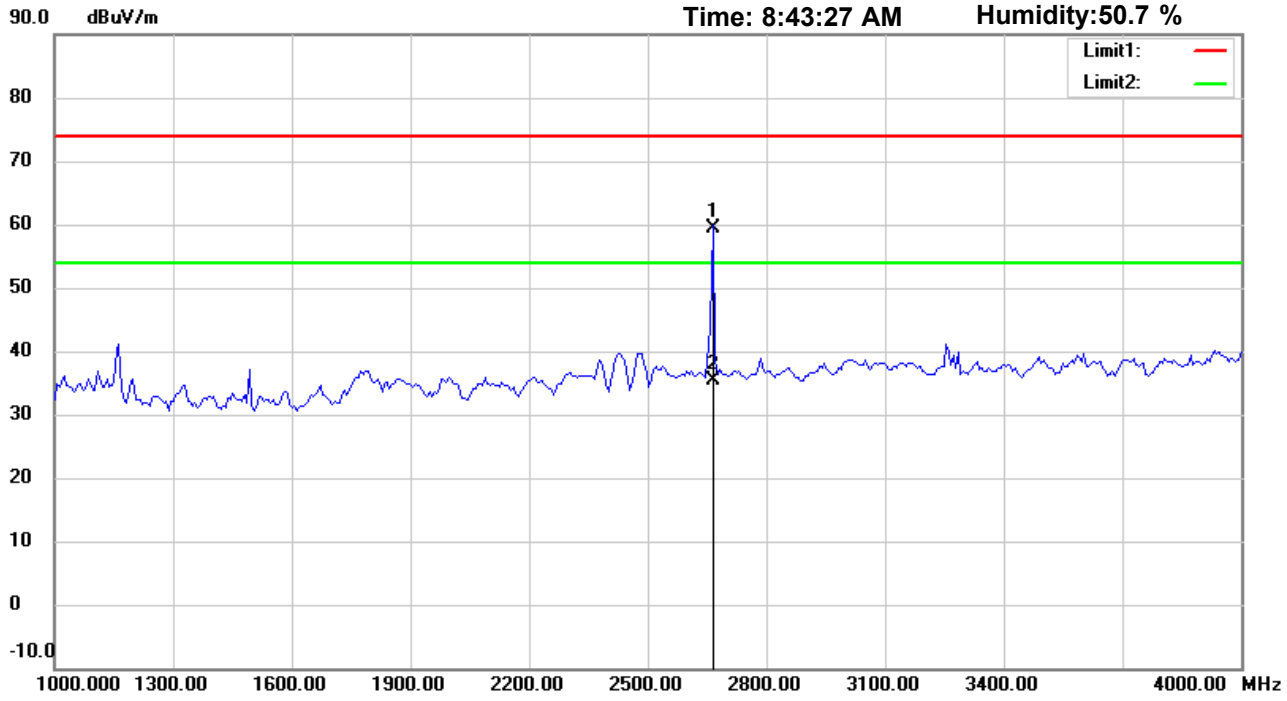
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 9/19/2020 Time: 8:43:27 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	2662.385	64.80	peak	-5.49	59.31	74.00	150	30	-14.69	
	2662.385	40.96	AVG	-5.49	35.47	54.00	150	30	-18.53	

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

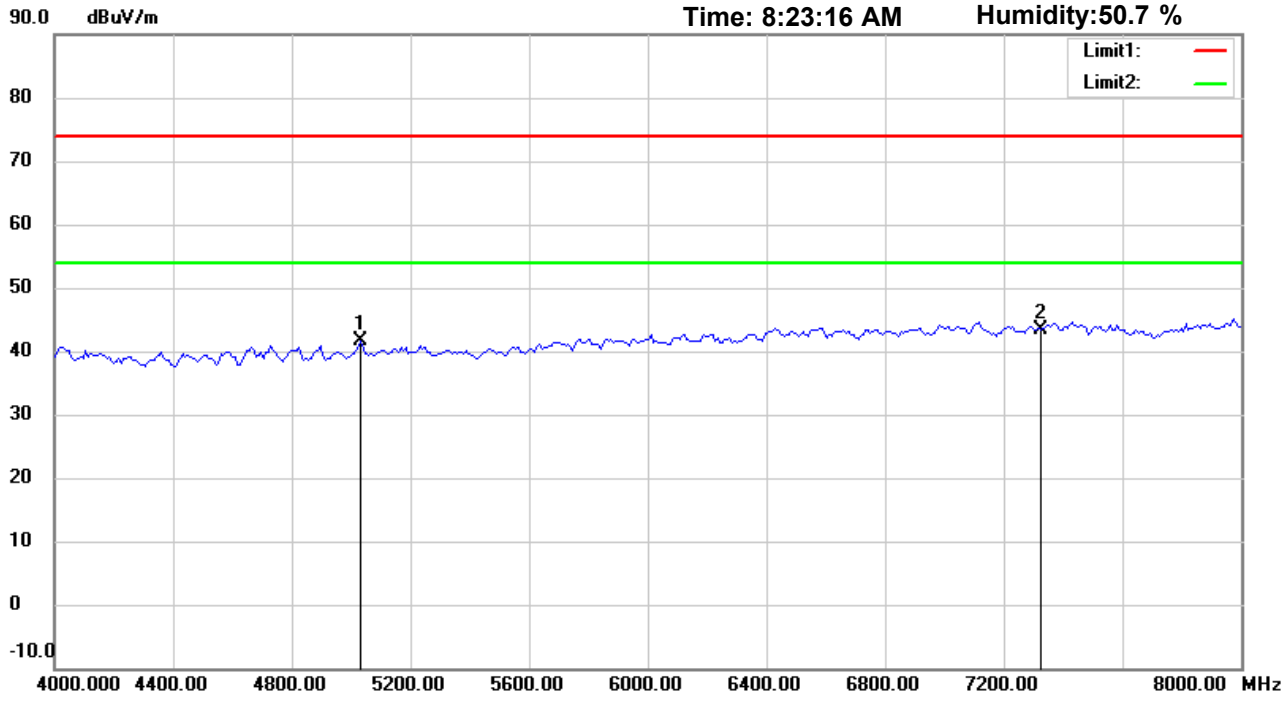
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 9/19/2020 Time: 8:23:16 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	5034.068	42.79	peak	-1.12	41.67	74.00	150	147	-32.33	
*	7323.000	39.80	peak	3.53	43.33	74.00	150	232	-30.67	

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

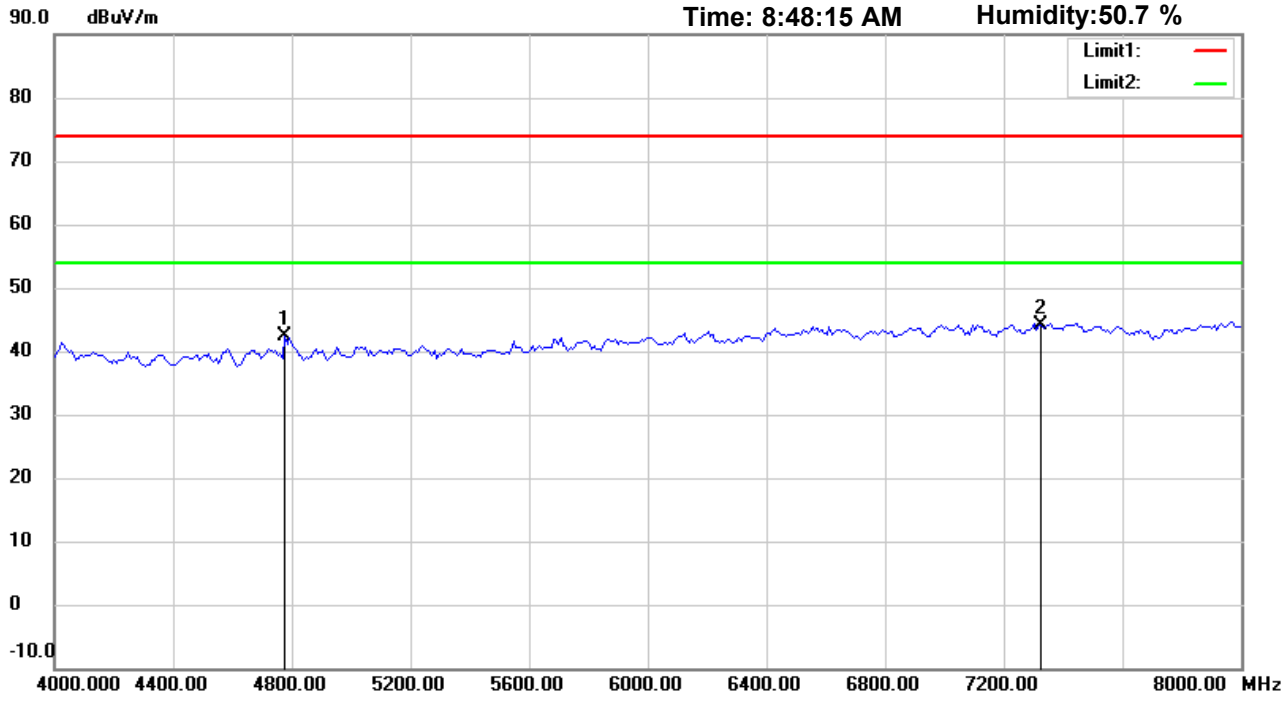
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 9/19/2020 Time: 8:48:15 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4777.555	44.16	peak	-1.90	42.26	74.00	150	246	-31.74	
*	7323.000	40.62	peak	3.53	44.15	74.00	150	333	-29.85	

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

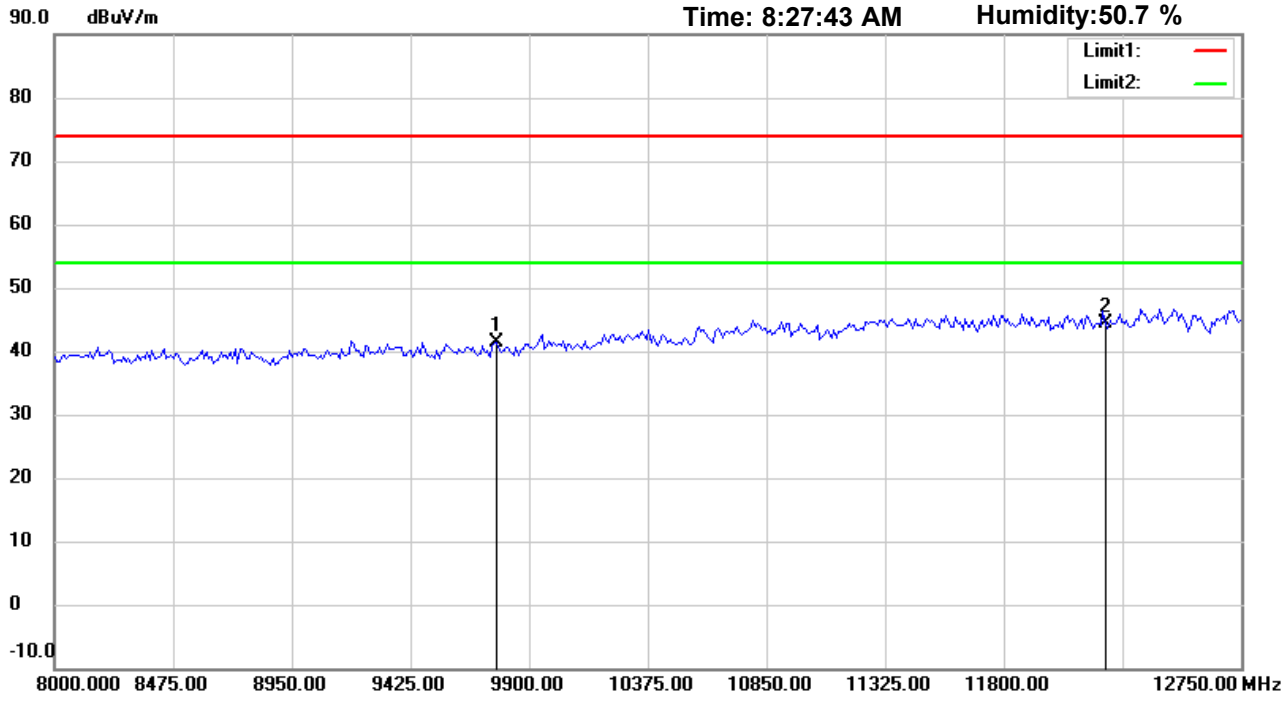
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 9/19/2020 Time: 8:27:43 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	34.60	peak	6.85	41.45	74.00	150	42	-32.55	
*	12205.000	31.46	peak	12.98	44.44	74.00	150	155	-29.56	

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

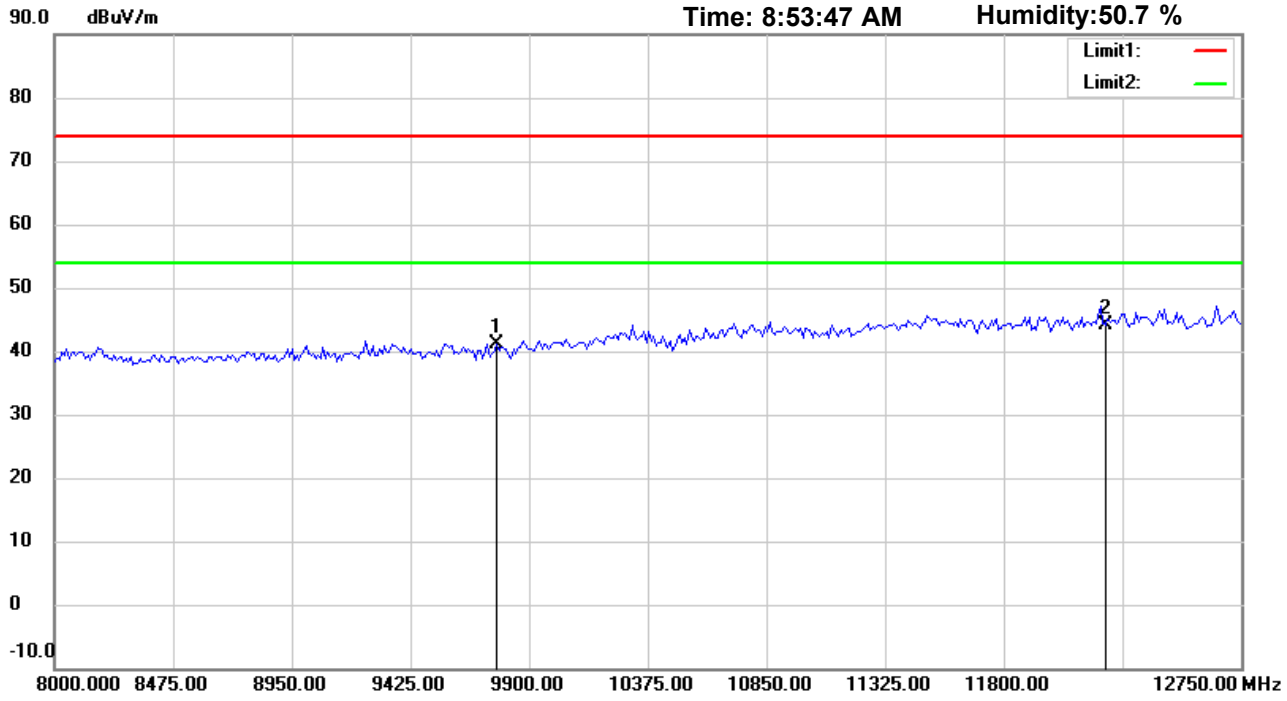
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 9/19/2020 Time: 8:53:47 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9764.000	34.37	peak	6.85	41.22	74.00	150	124	-32.78	
*	12205.000	31.15	peak	12.98	44.13	74.00	150	185	-29.87	

*: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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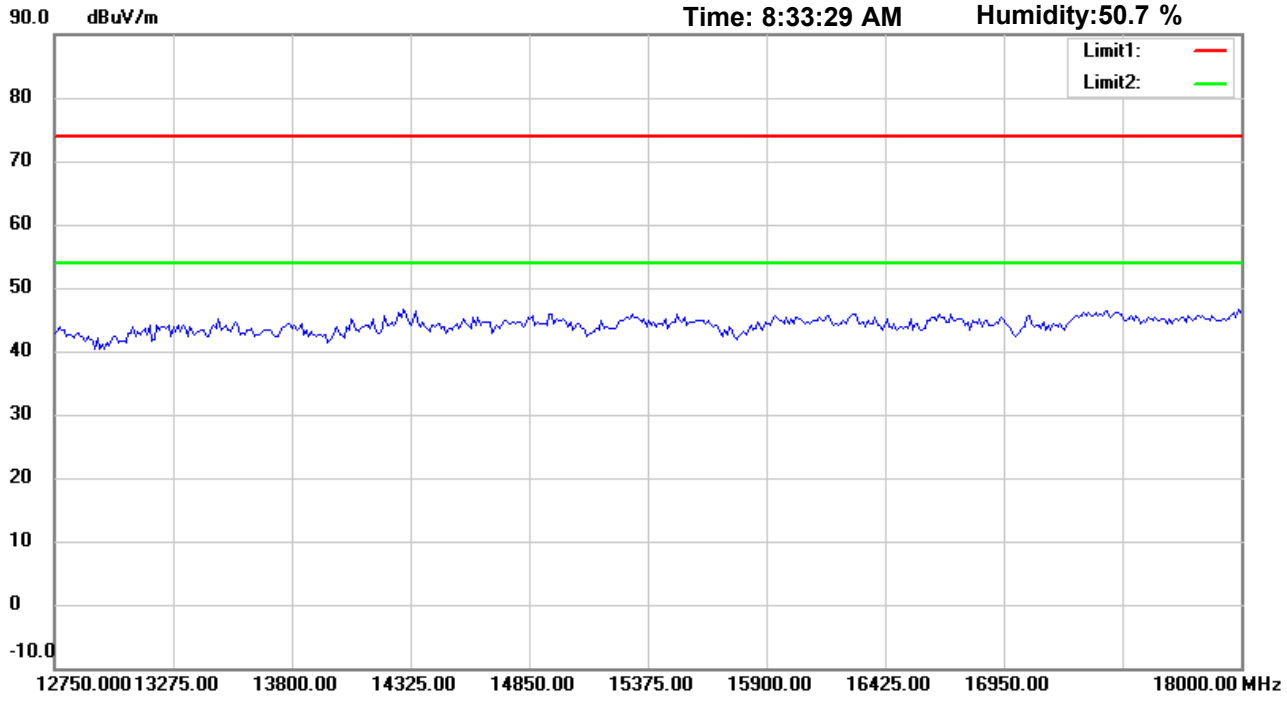
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 9/19/2020 Time: 8:33:29 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

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

*: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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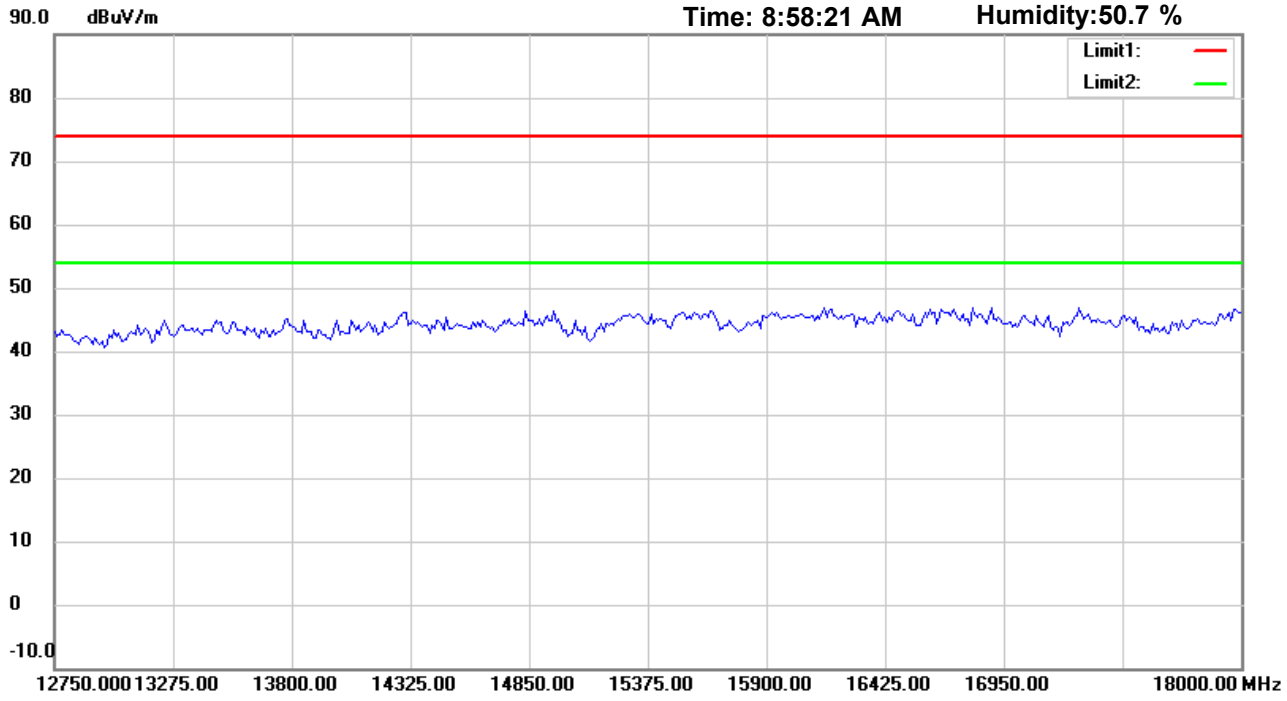
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 9/19/2020 Time: 8:58:21 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2441MHz

Note :

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

*: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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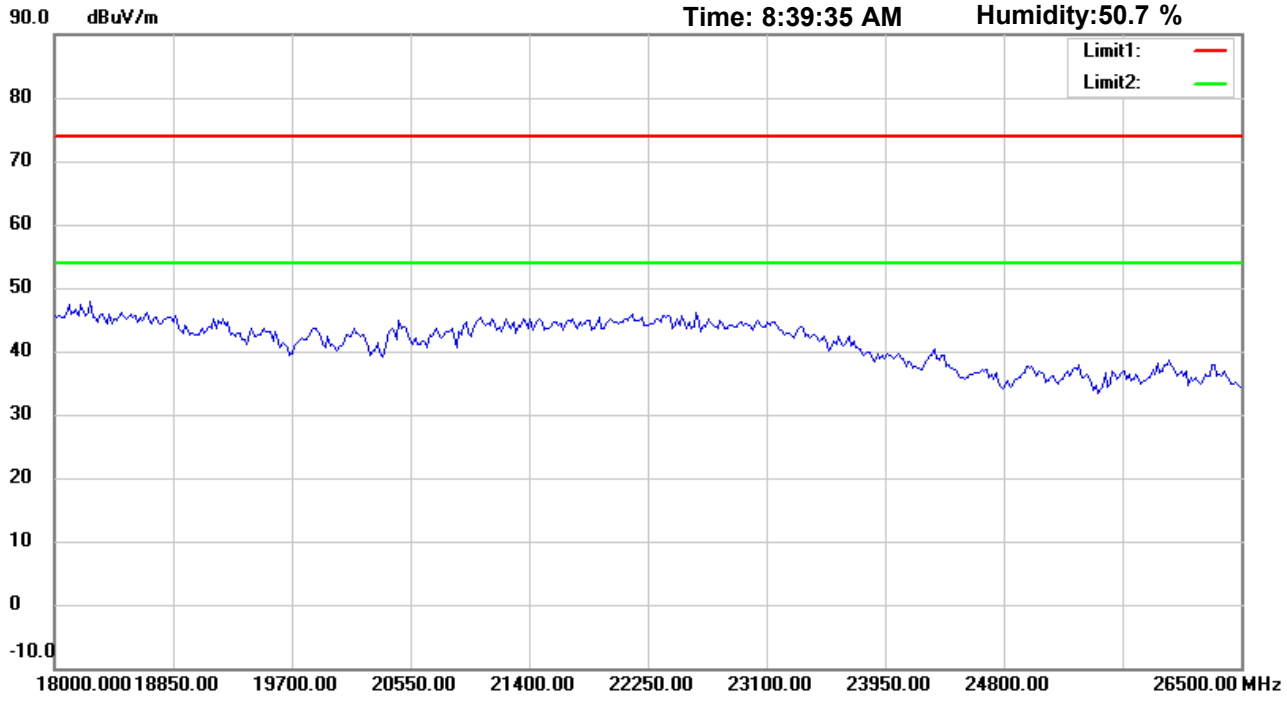
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 9/19/2020 Time: 8:39:35 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

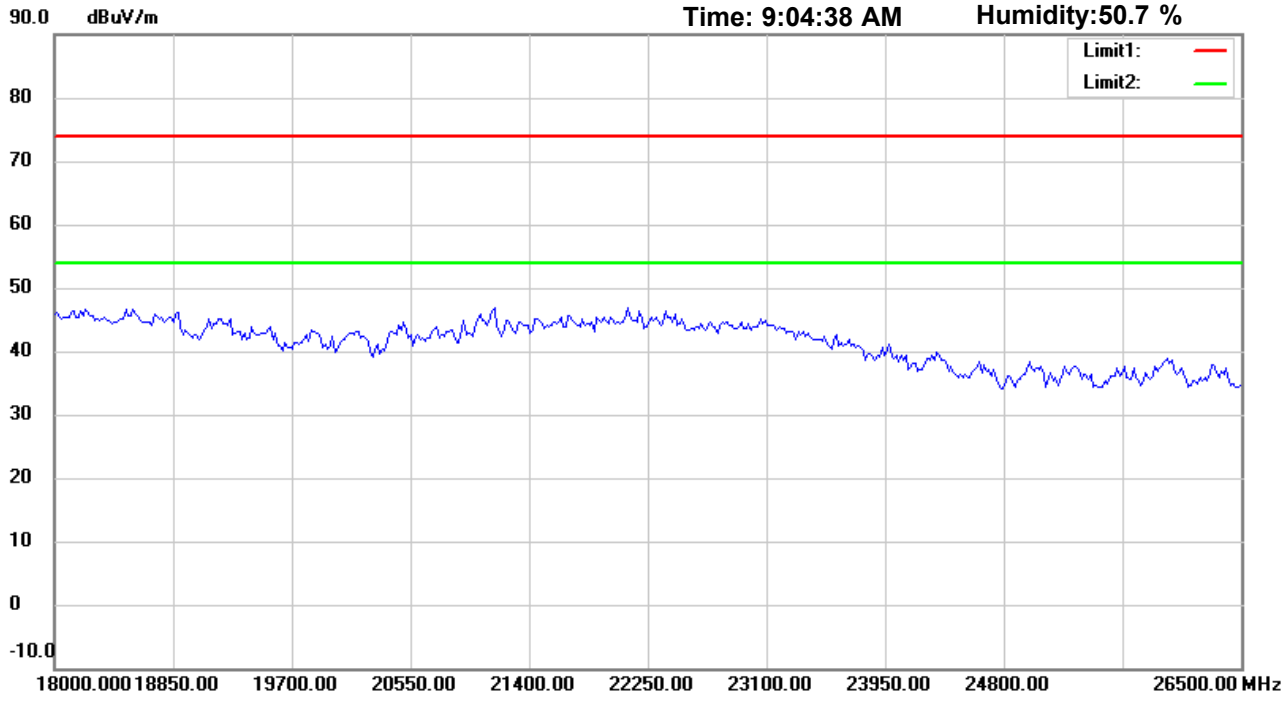
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 9/19/2020 Time: 9:04:38 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2441MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

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

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

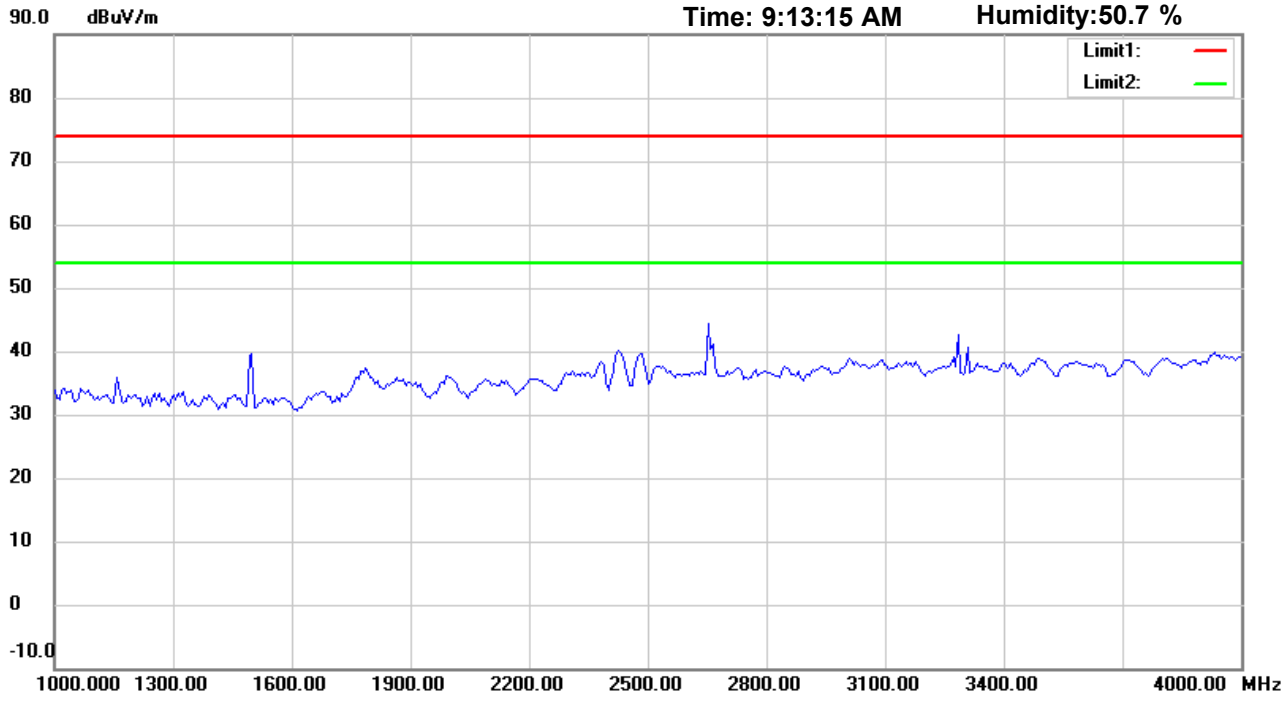
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 9/19/2020 Time: 9:13:15 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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

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

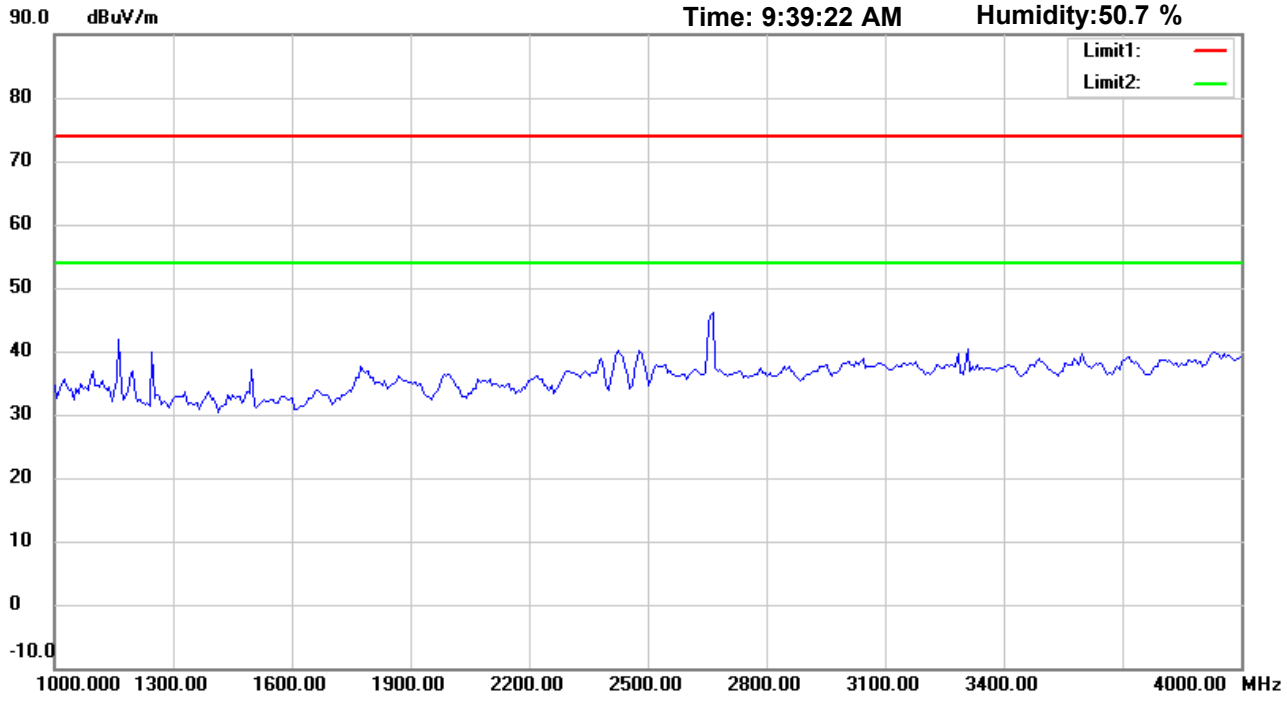
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 9/19/2020 Time: 9:39:22 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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

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

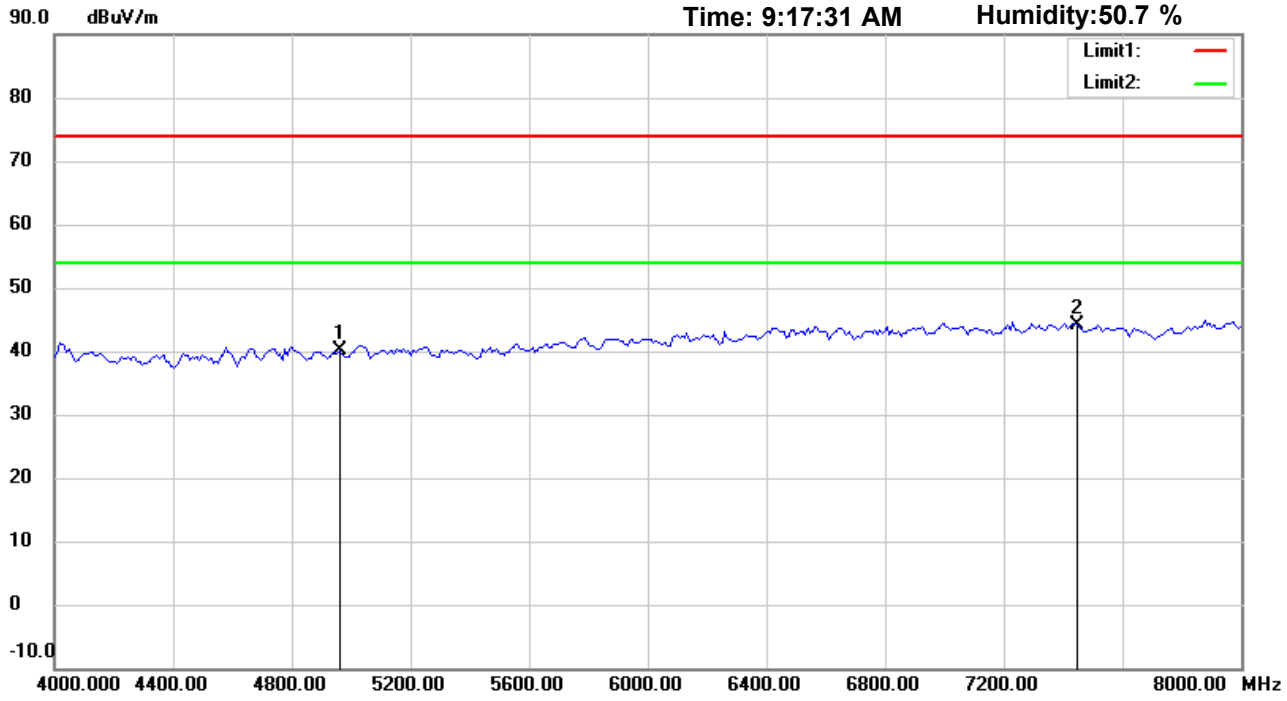
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 9/19/2020 Time: 9:17:31 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	41.40	peak	-1.36	40.04	74.00	150	215	-33.96	
*	7440.000	40.43	peak	3.76	44.19	74.00	150	247	-29.81	

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

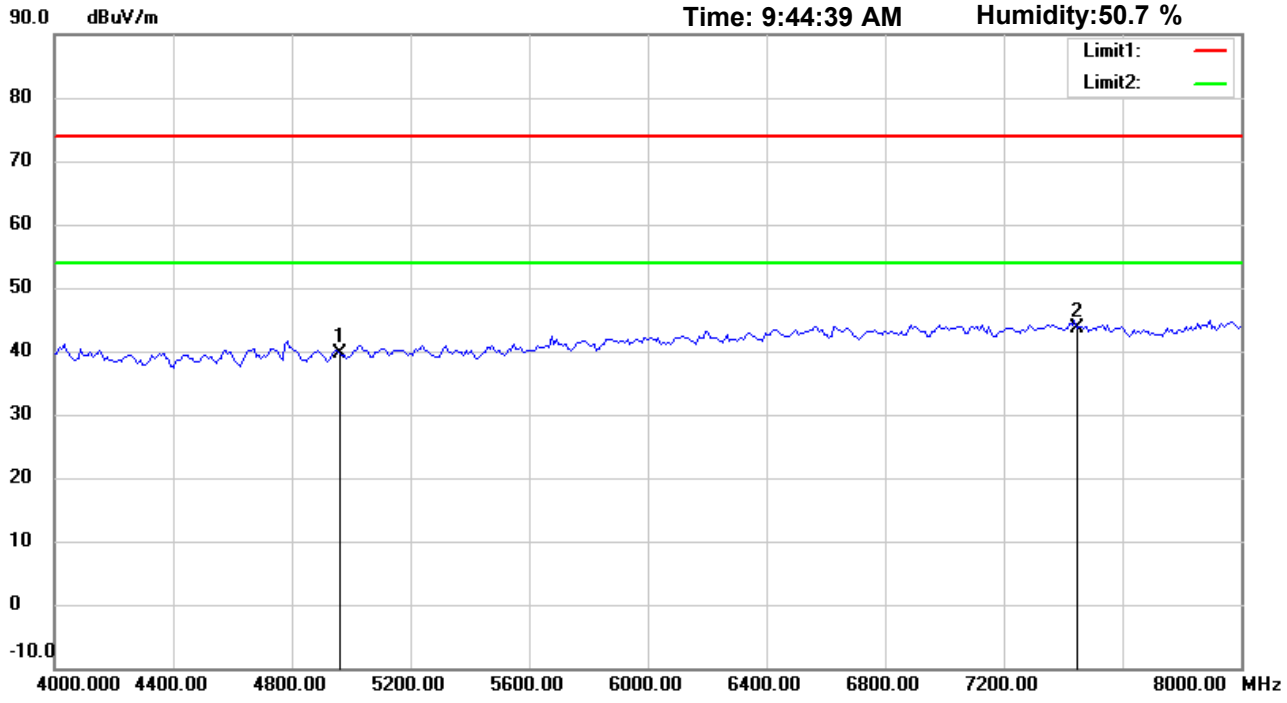
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 9/19/2020 Time: 9:44:39 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	41.04	peak	-1.36	39.68	74.00	150	193	-34.32	
*	7440.000	39.96	peak	3.76	43.72	74.00	150	177	-30.28	

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

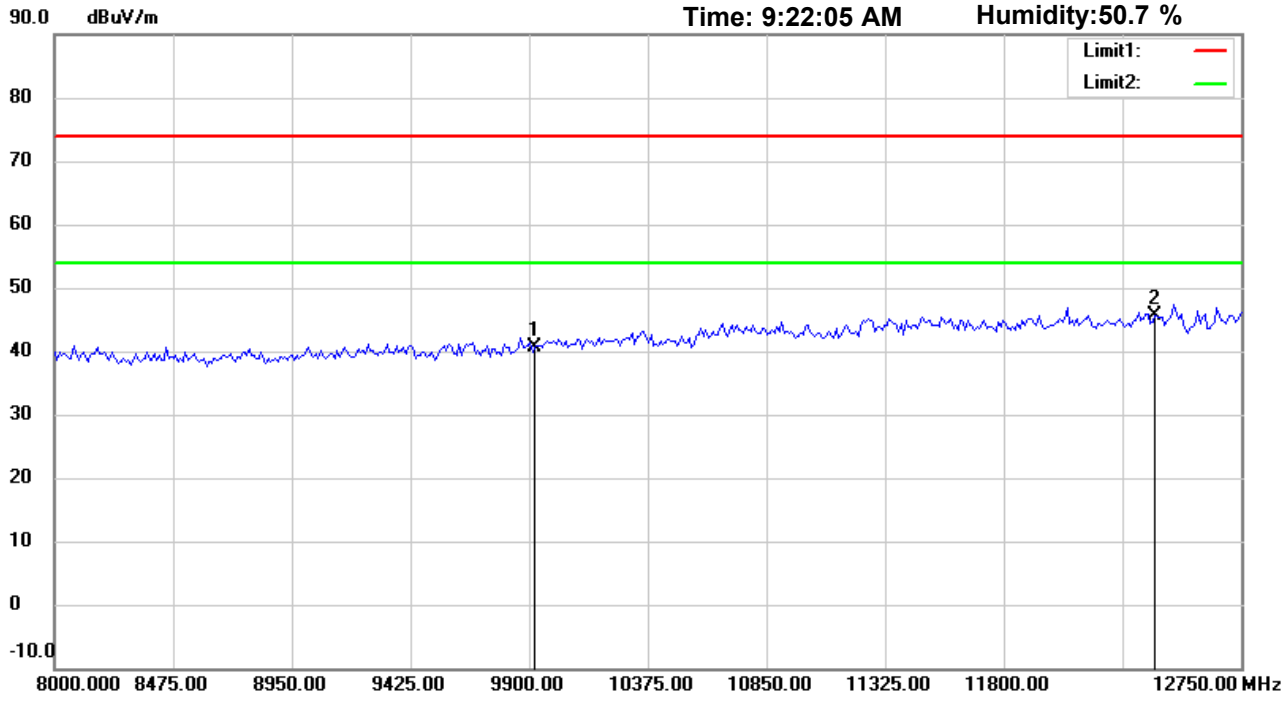
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 9/19/2020 Time: 9:22:05 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	33.35	peak	7.23	40.58	74.00	150	155	-33.42	
*	12400.000	32.80	peak	12.81	45.61	74.00	150	213	-28.39	

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

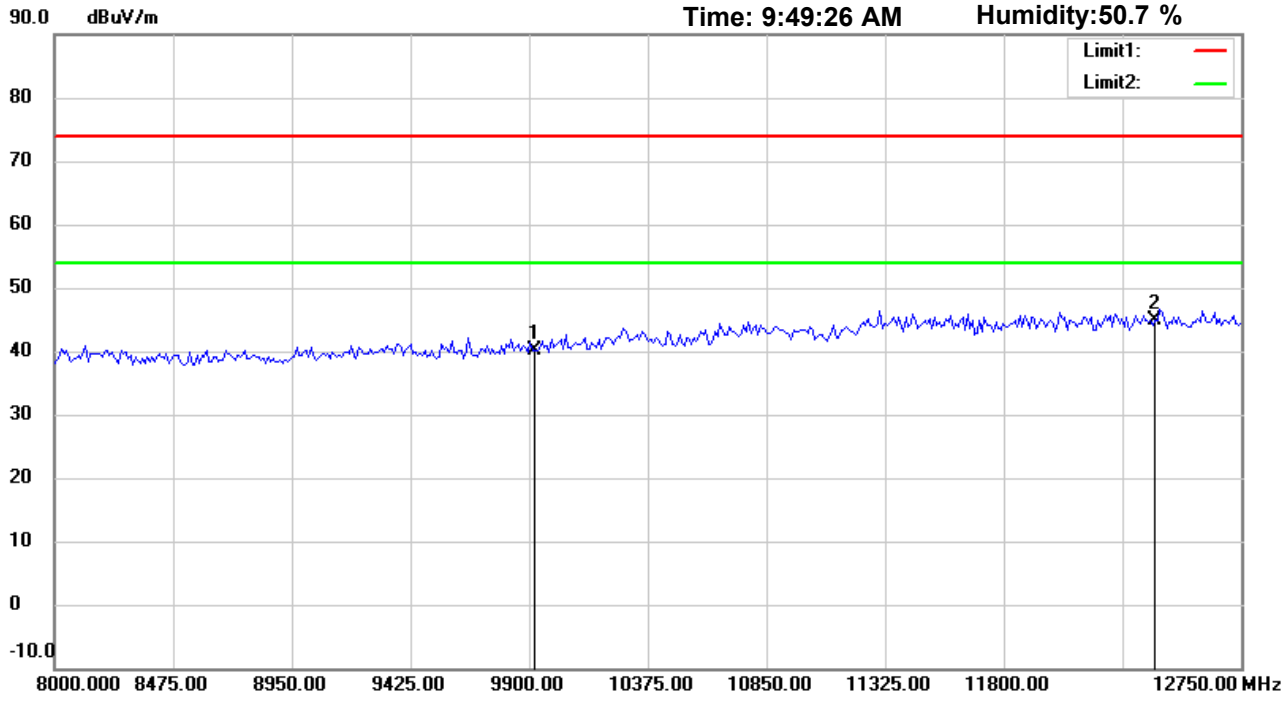
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 9/19/2020 Time: 9:49:26 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	33.00	peak	7.23	40.23	74.00	150	122	-33.77	
*	12400.000	32.16	peak	12.81	44.97	74.00	150	245	-29.03	

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

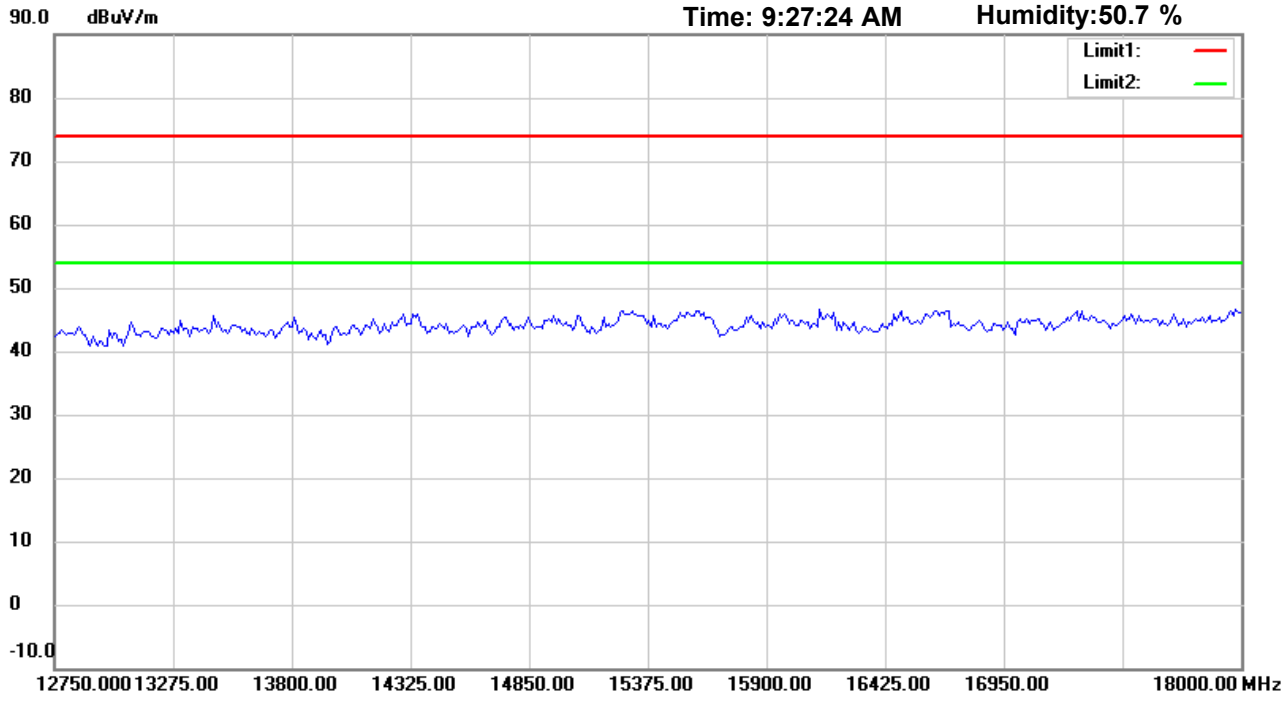
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 9/19/2020 Time: 9:27:24 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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

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

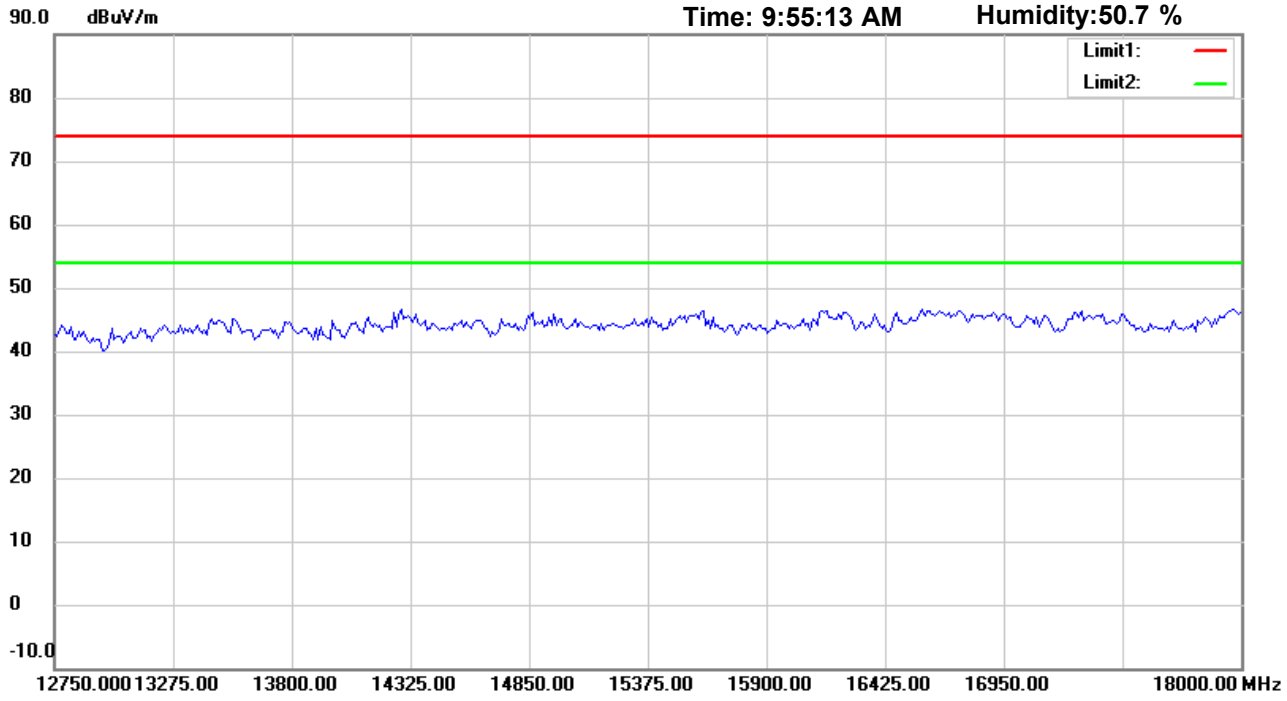
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 9/19/2020 Time: 9:55:13 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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

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

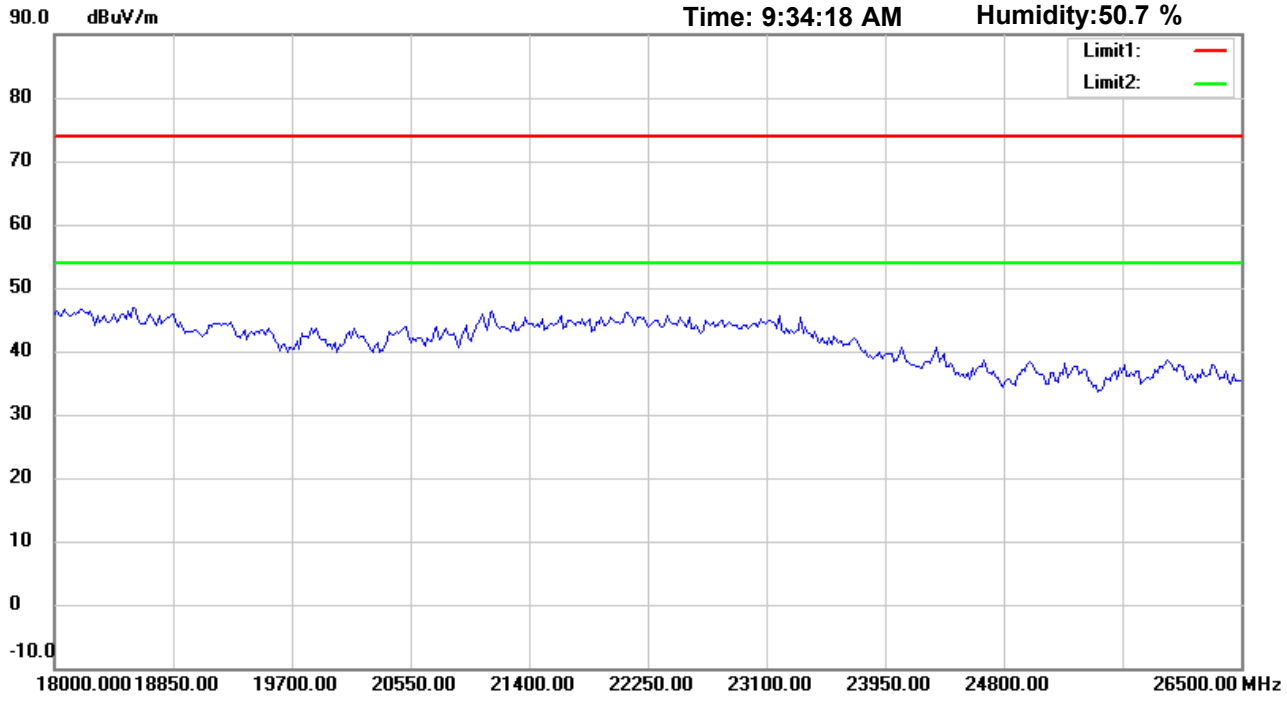
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 9/19/2020 Time: 9:34:18 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

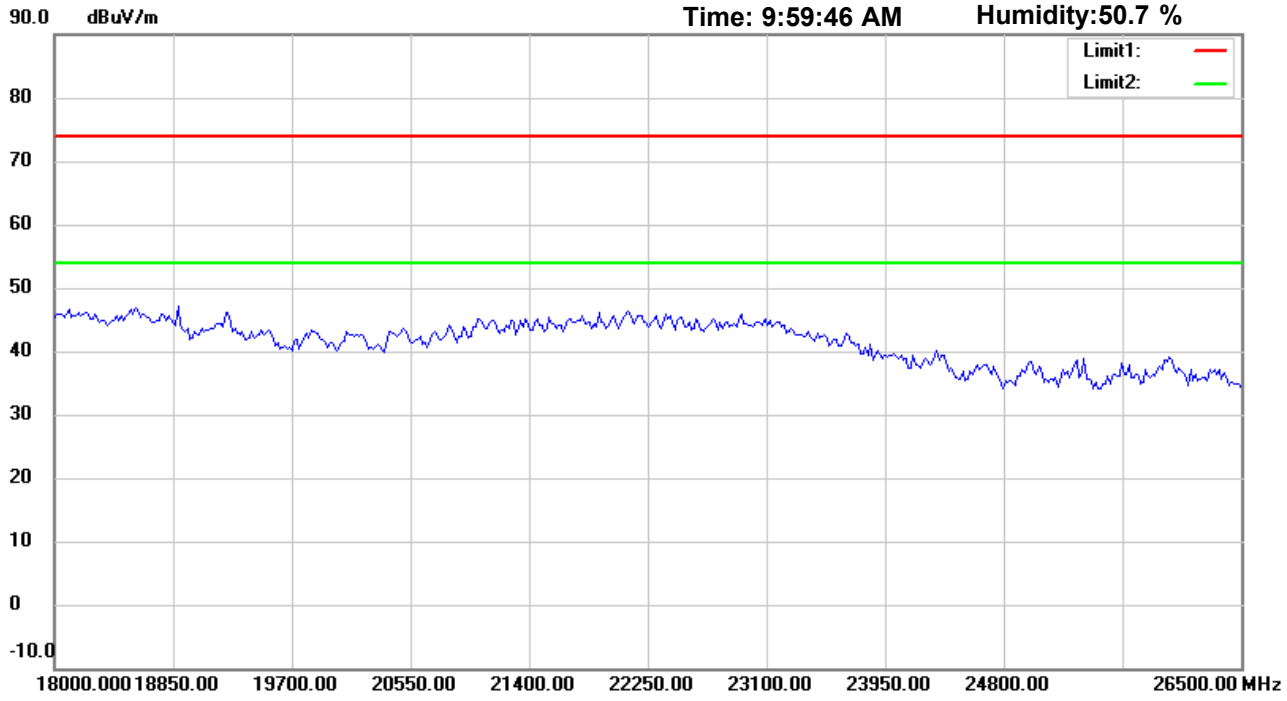
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 9/19/2020 Time: 9:59:46 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

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

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

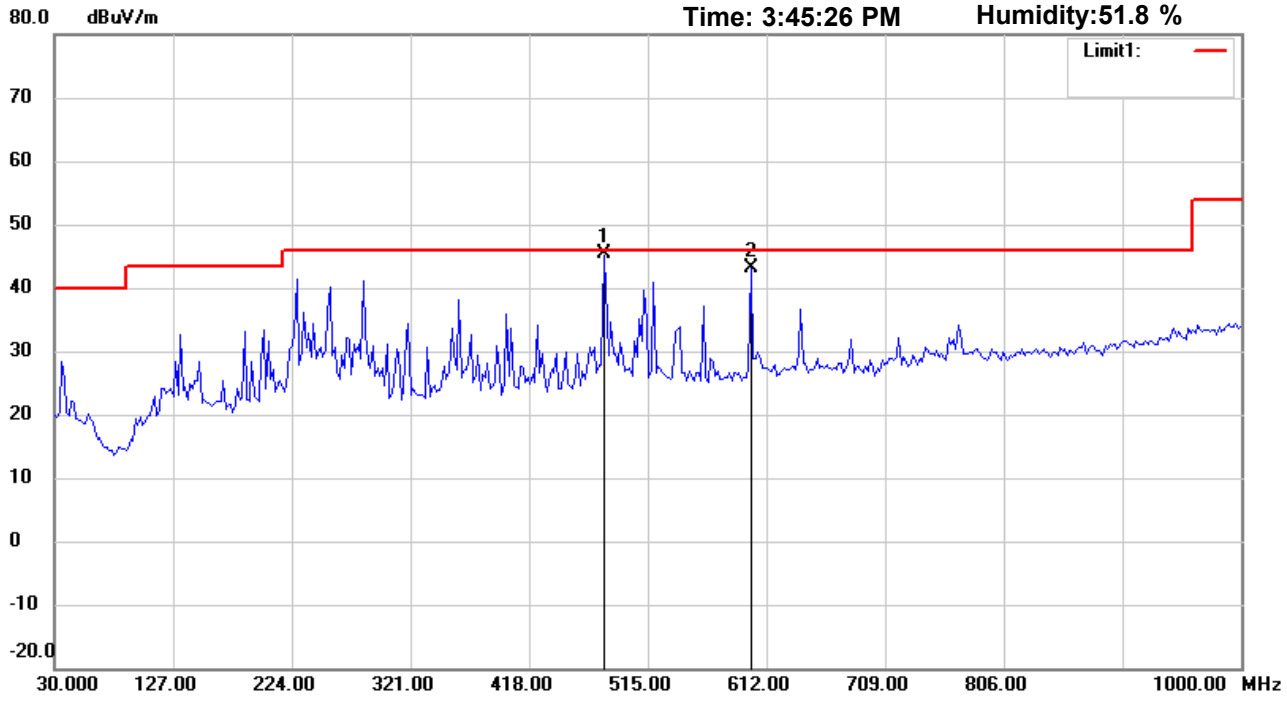
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :1_TX_BLE 2402MHz Data :#1 Date: 9/19/2020 Time: 3:45:26 PM

Temperature:26.1 ℃ Humidity:51.8 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	479.0380	48.36	QP	-3.02	45.34	46.00	100	235	-0.66	
	599.5590	45.23	peak	-2.10	43.13	46.00	100	179	-2.87	

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

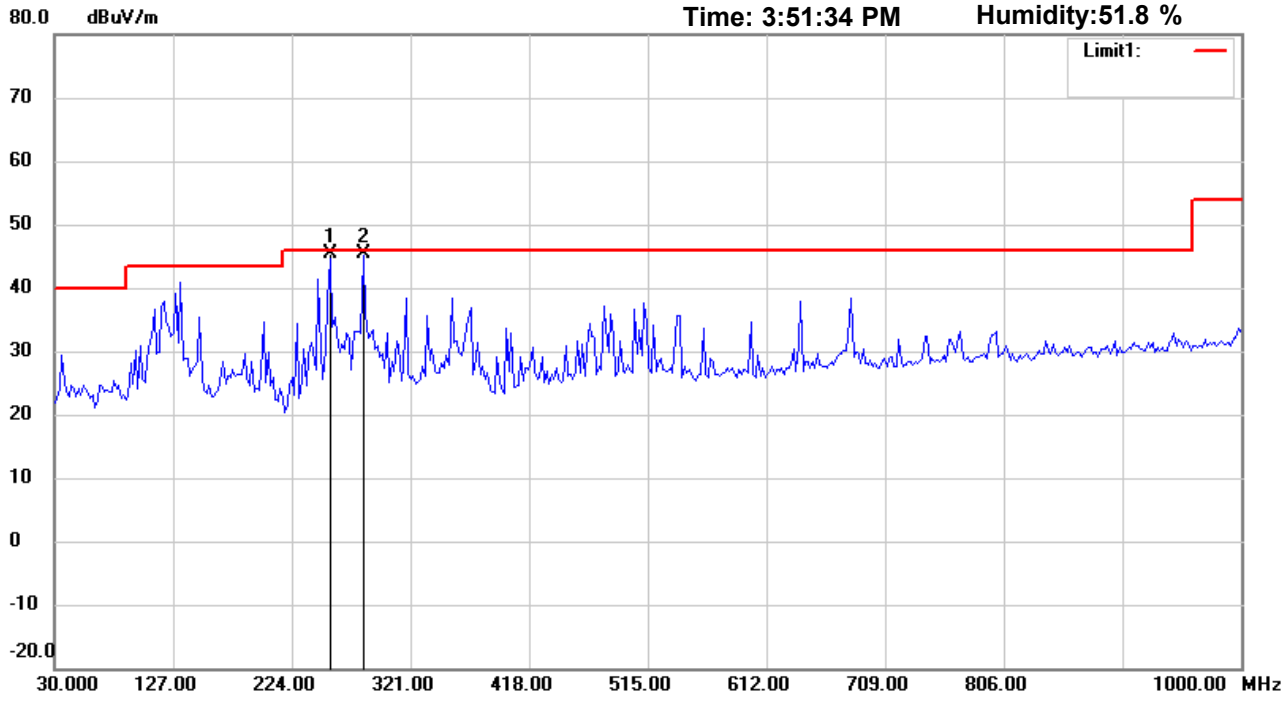
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :1_TX_BLE 2402MHz Data :#2 Date: 9/19/2020 Time: 3:51:34 PM

Temperature:26.1 ℃
Humidity:51.8 %



Site : Chamber
Condition : FCC_part 15 RE-Class C_30-1000MHz
EUT : W6M22006-19970
M/N:
Test Mode : TX 2402MHz
Note :

Polarization: *Vertical*
Power : 120V A.C.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	255.4910	52.77	QP	-7.49	45.28	46.00	100	155	-0.72	
*	282.7053	51.61	QP	-6.17	45.44	46.00	100	179	-0.56	

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

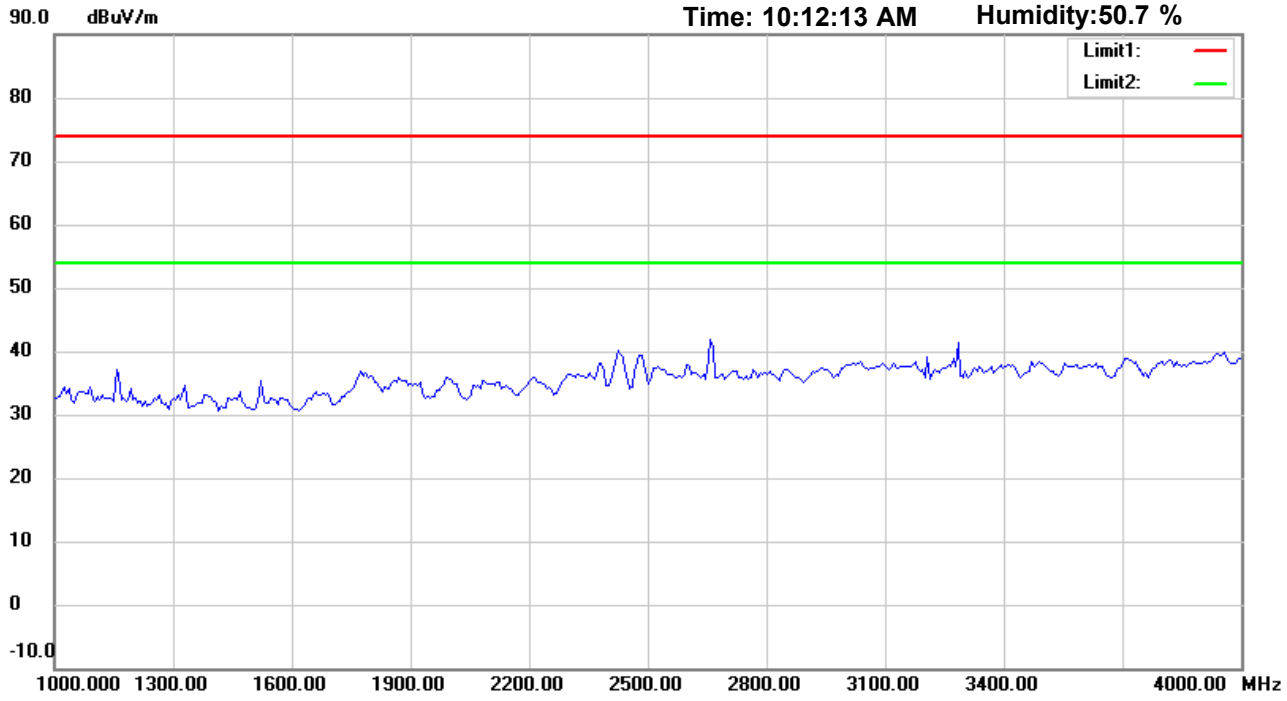
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 9/19/2020 Time: 10:12:13 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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

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

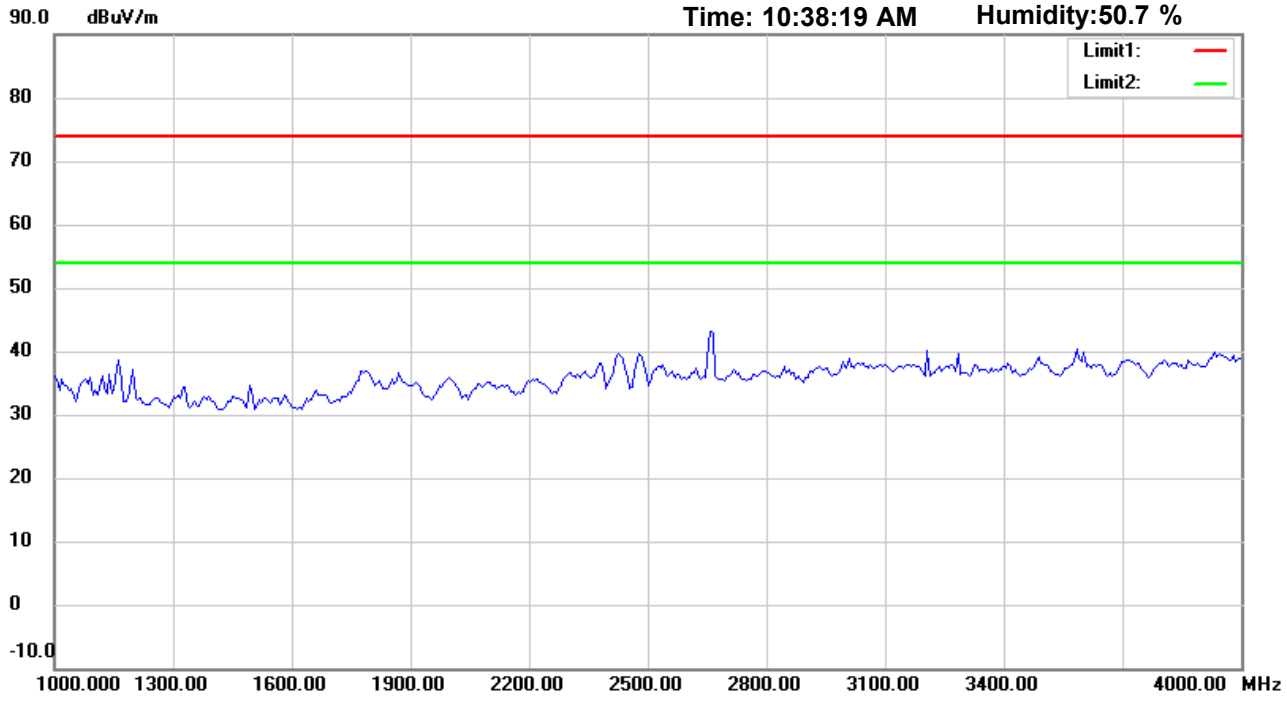
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 9/19/2020 Time: 10:38:19 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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

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

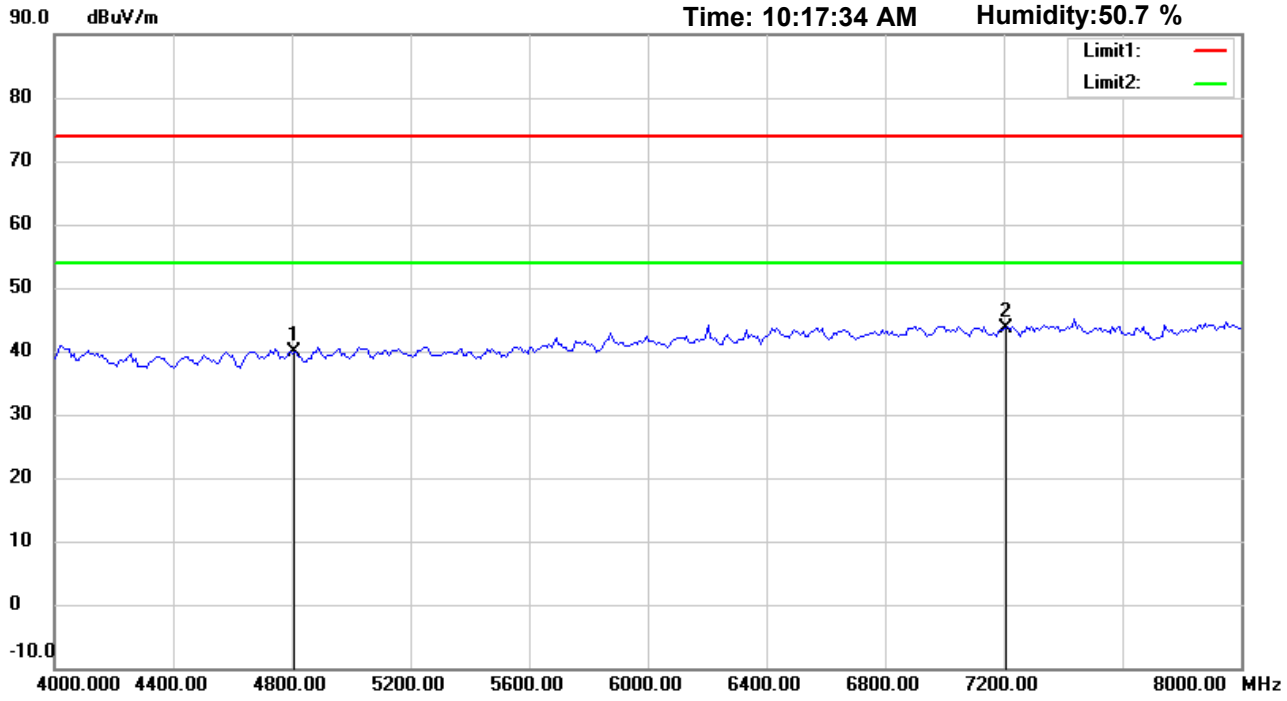
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 9/19/2020 Time: 10:17:34 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	41.51	peak	-1.75	39.76	74.00	150	322	-34.24	
*	7206.000	40.31	peak	3.32	43.63	74.00	150	248	-30.37	

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

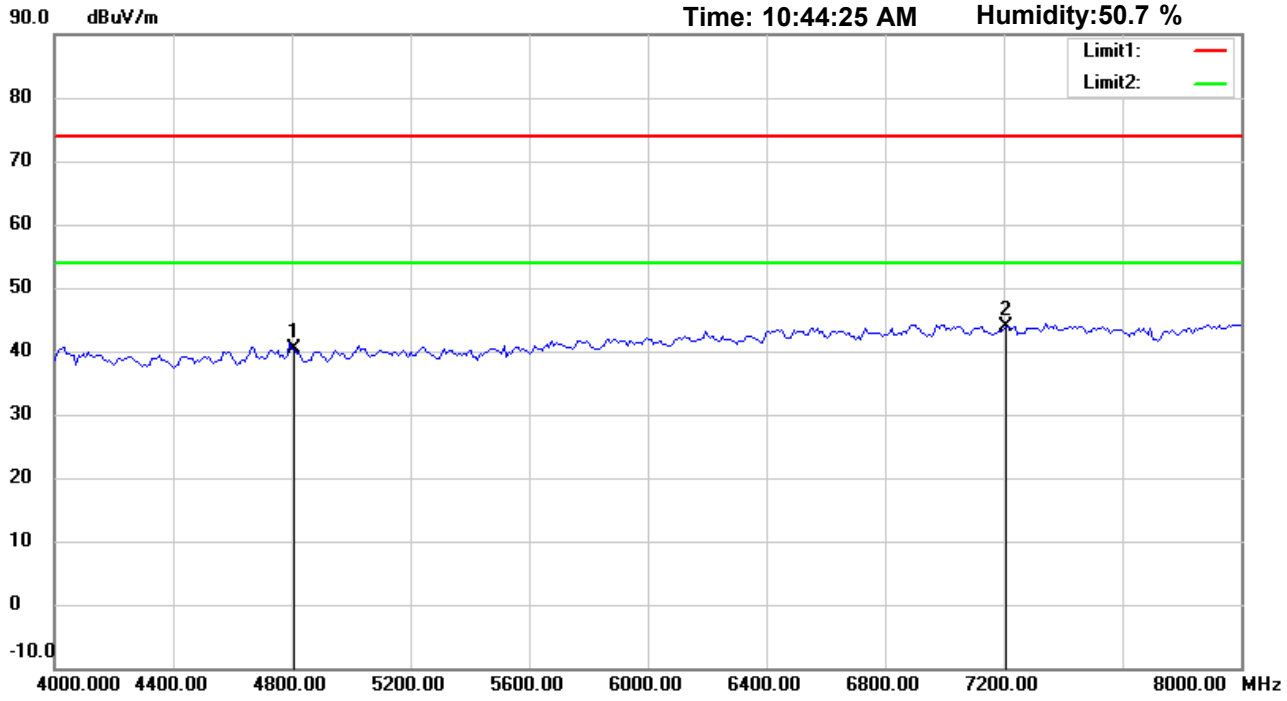
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 9/19/2020 Time: 10:44:25 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4804.000	42.24	peak	-1.75	40.49	74.00	150	270	-33.51	
*	7206.000	40.56	peak	3.32	43.88	74.00	150	324	-30.12	

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

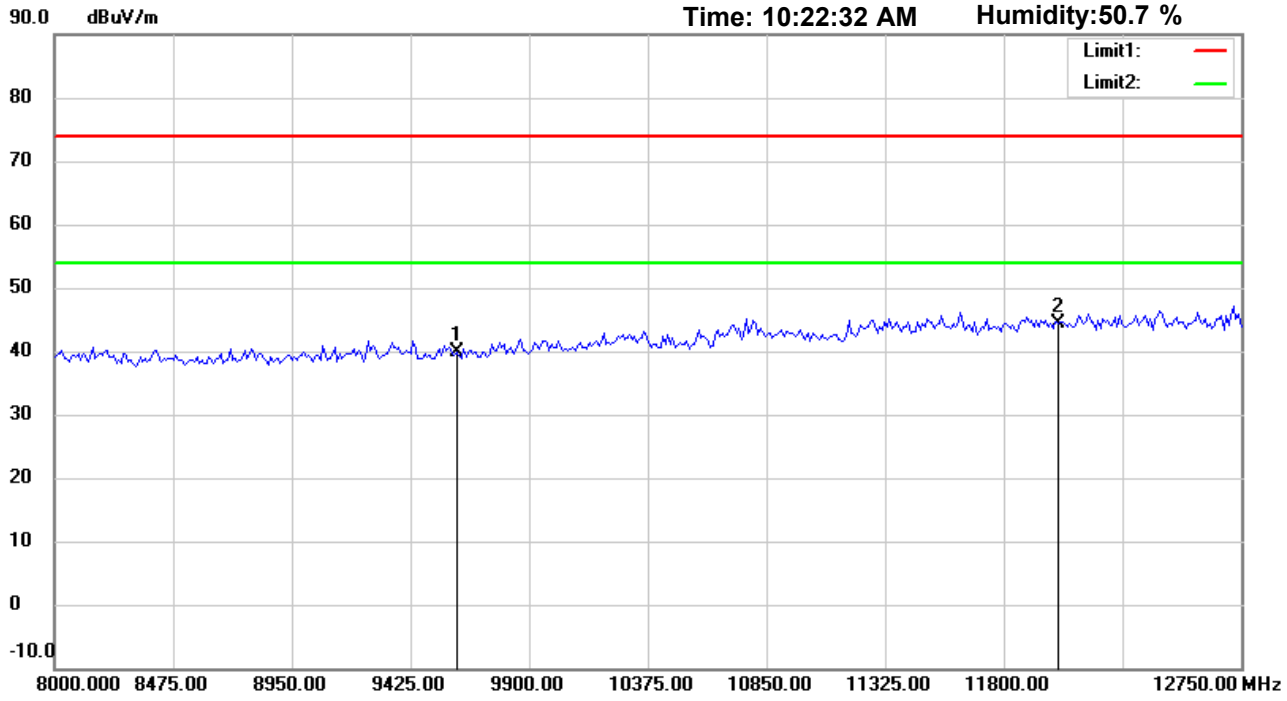
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 9/19/2020 Time: 10:22:32 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	33.23	peak	6.70	39.93	74.00	150	148	-34.07	
*	12010.000	32.67	peak	11.68	44.35	74.00	150	212	-29.65	

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

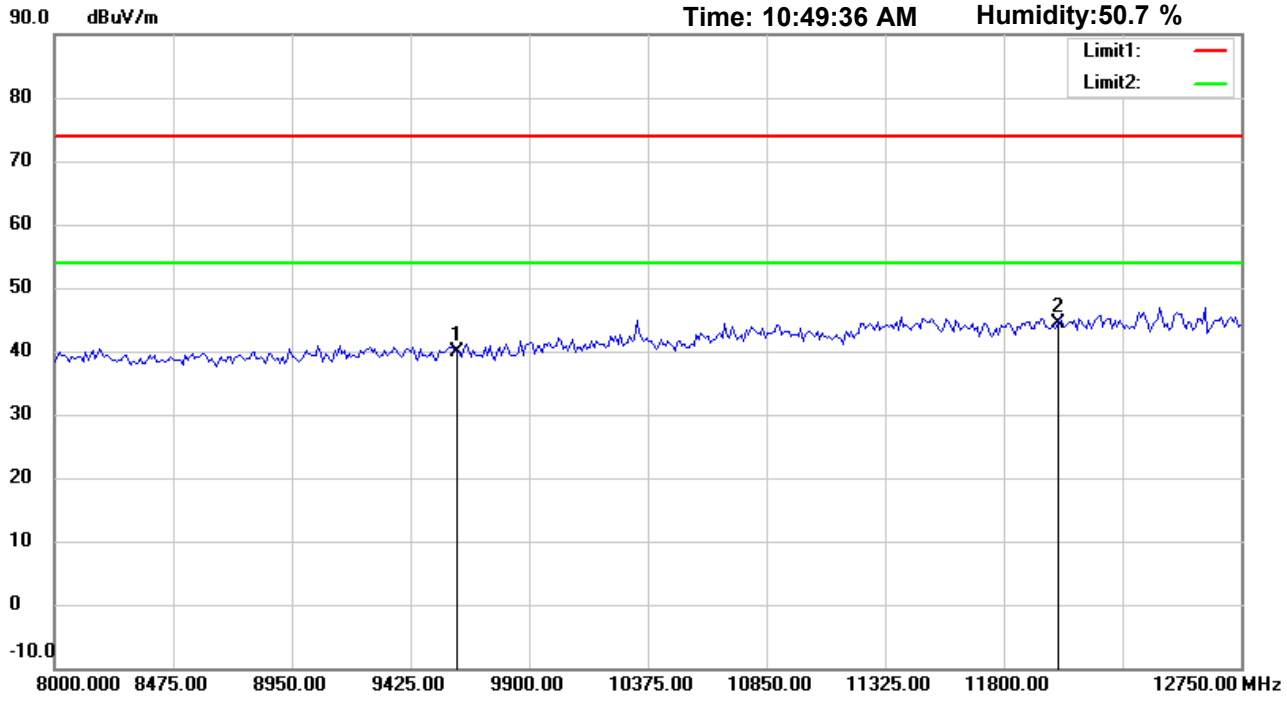
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 9/19/2020 Time: 10:49:36 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9608.000	33.15	peak	6.70	39.85	74.00	150	112	-34.15	
*	12010.000	32.59	peak	11.68	44.27	74.00	150	268	-29.73	

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

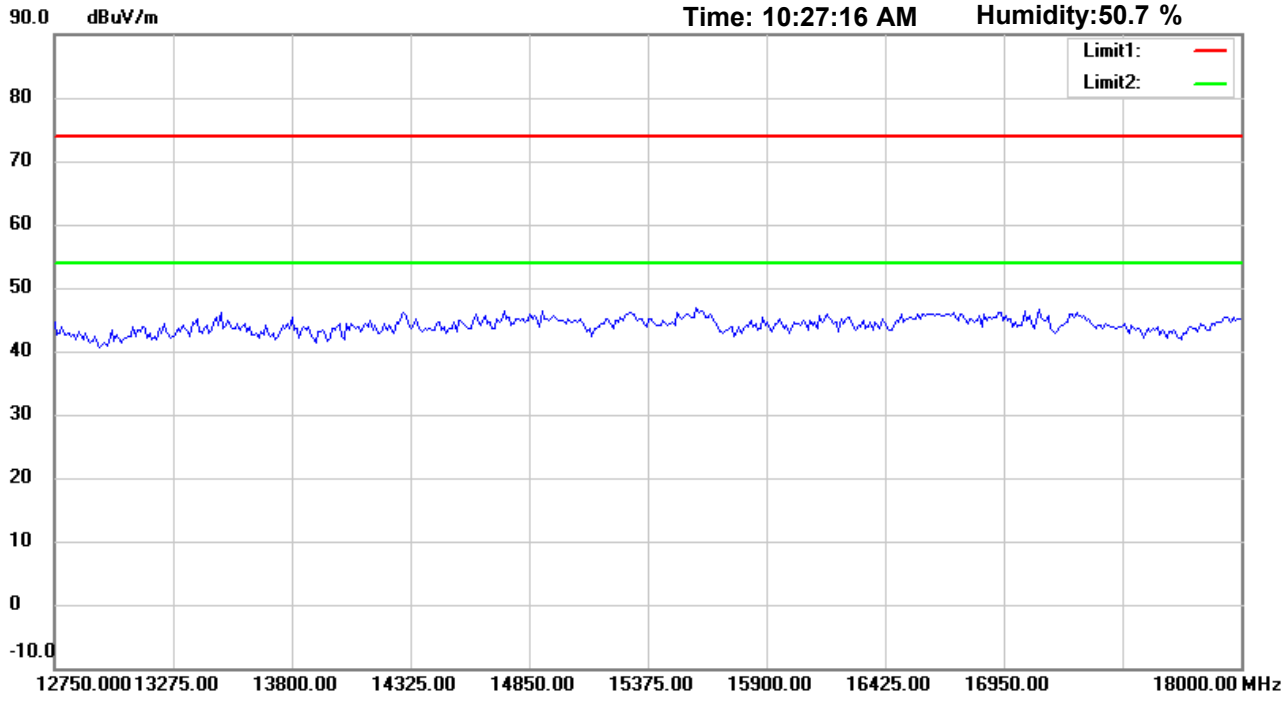
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 9/19/2020 Time: 10:27:16 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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

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

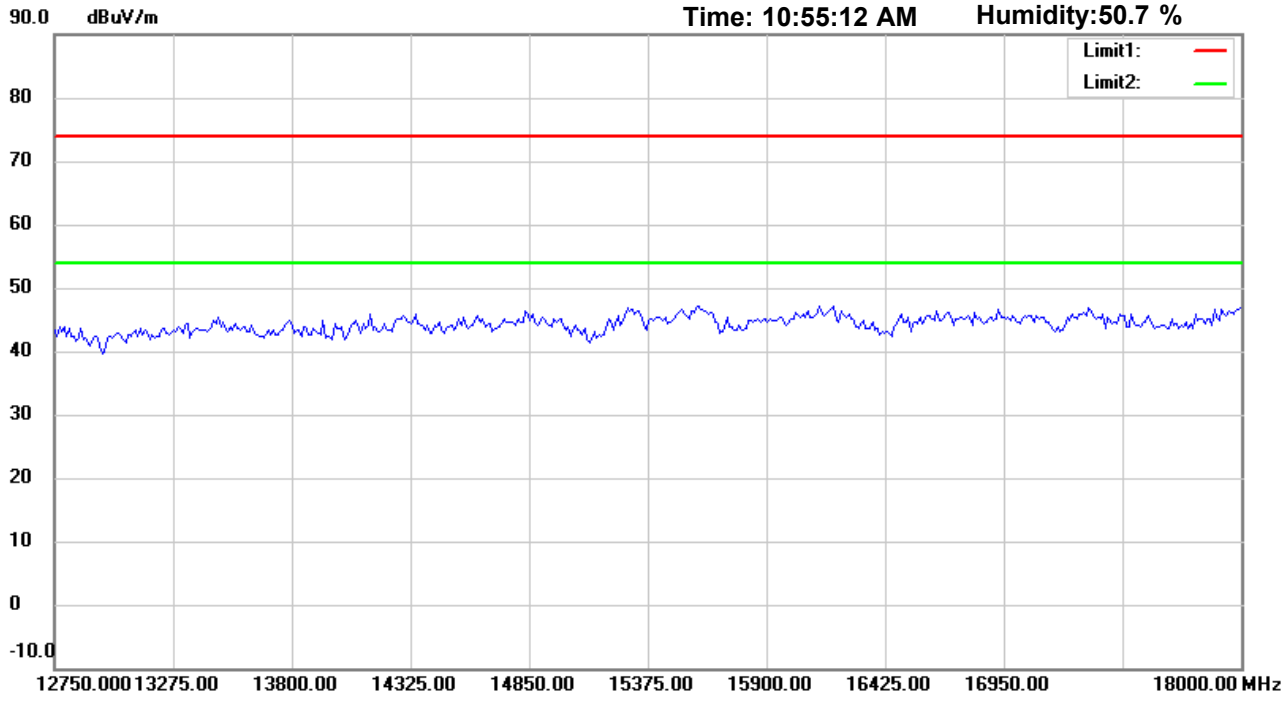
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 9/19/2020 Time: 10:55:12 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2402MHz

Note :

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

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

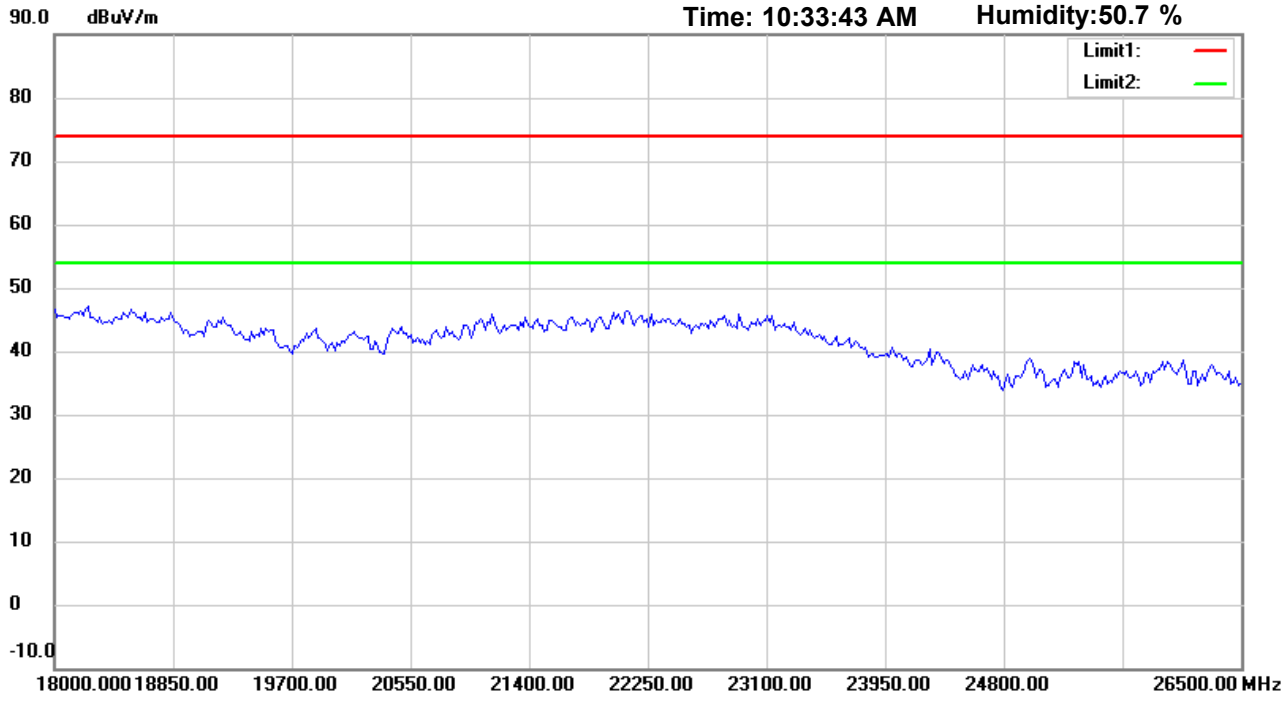
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 9/19/2020 Time: 10:33:43 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

*: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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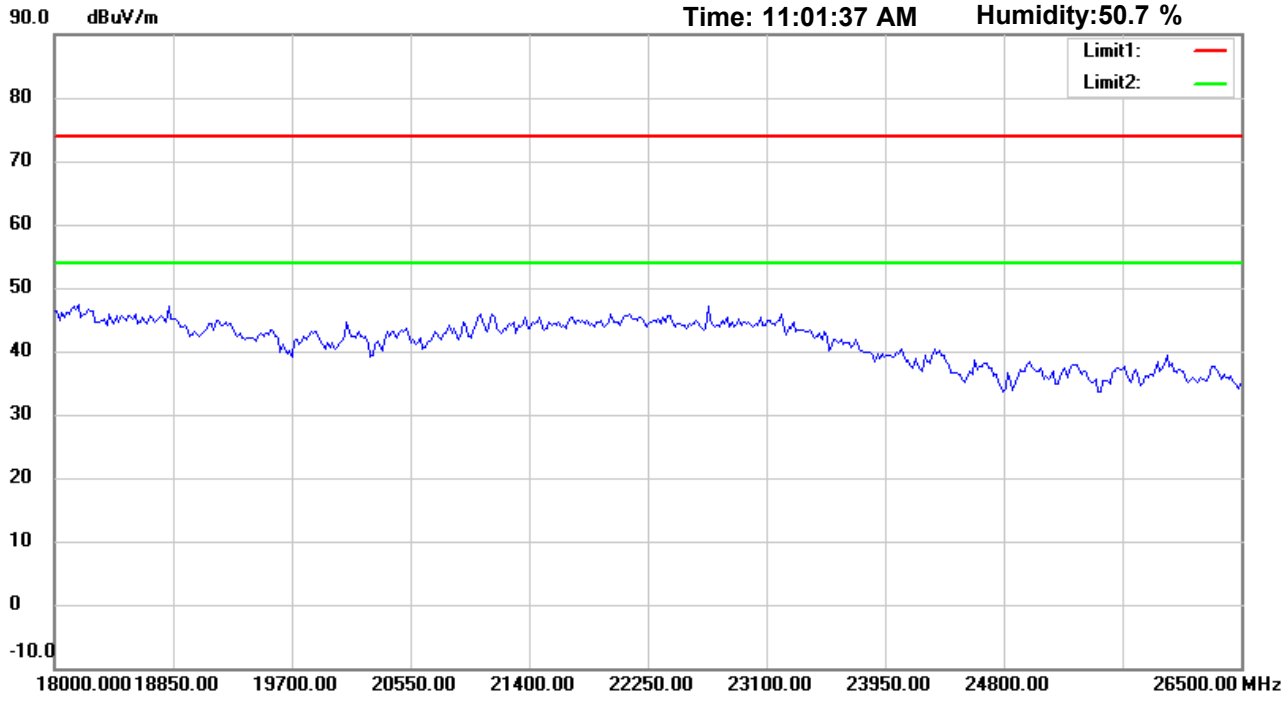
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 9/19/2020 Time: 11:01:37 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

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

*: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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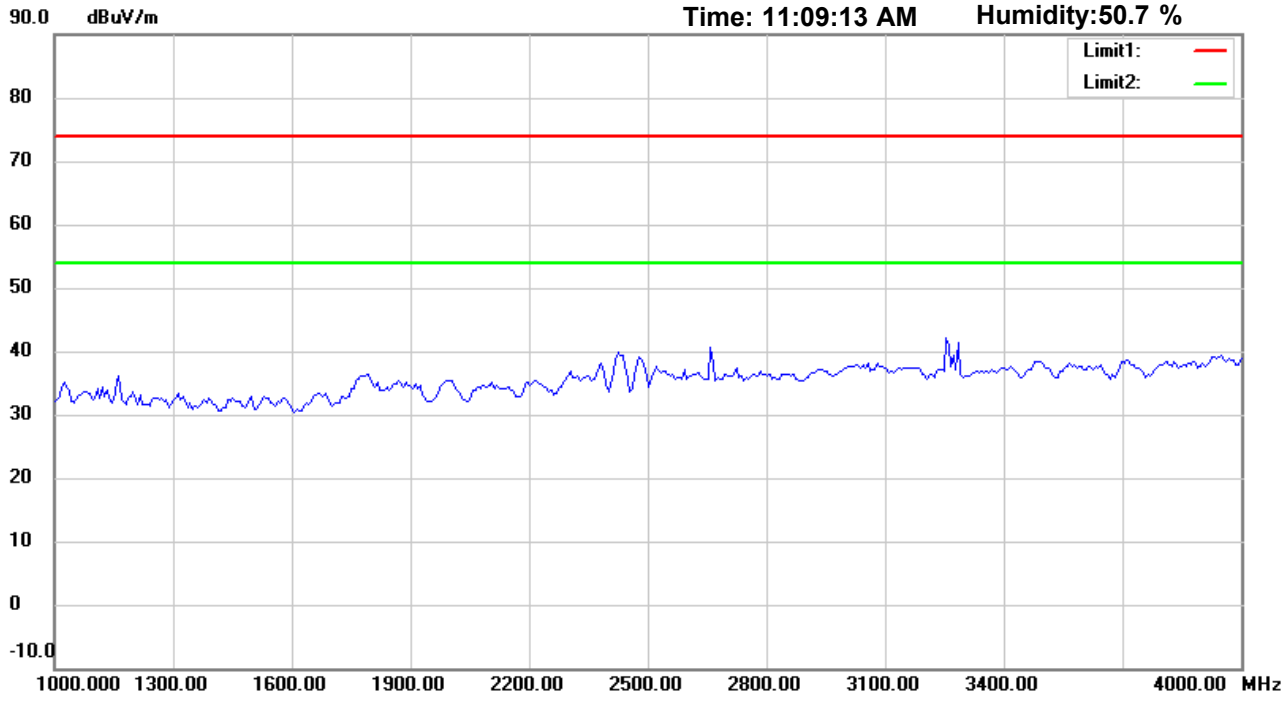
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 9/19/2020 Time: 11:09:13 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

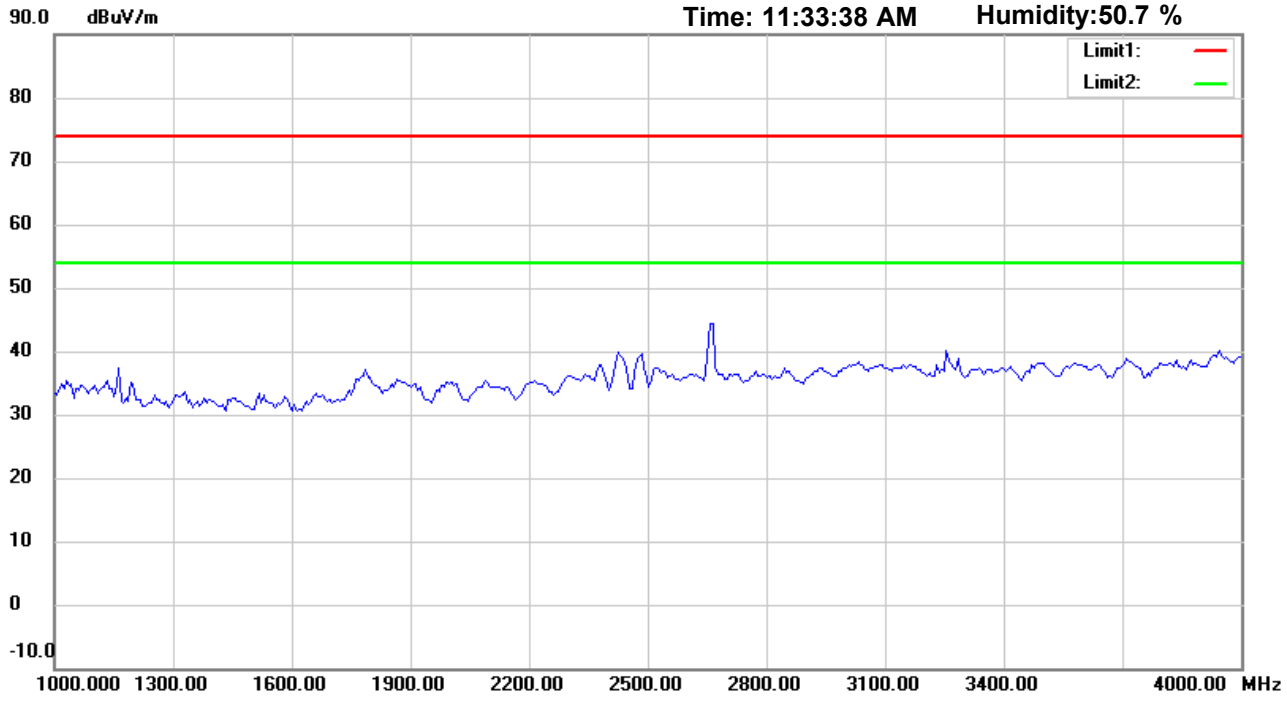
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 9/19/2020 Time: 11:33:38 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

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

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

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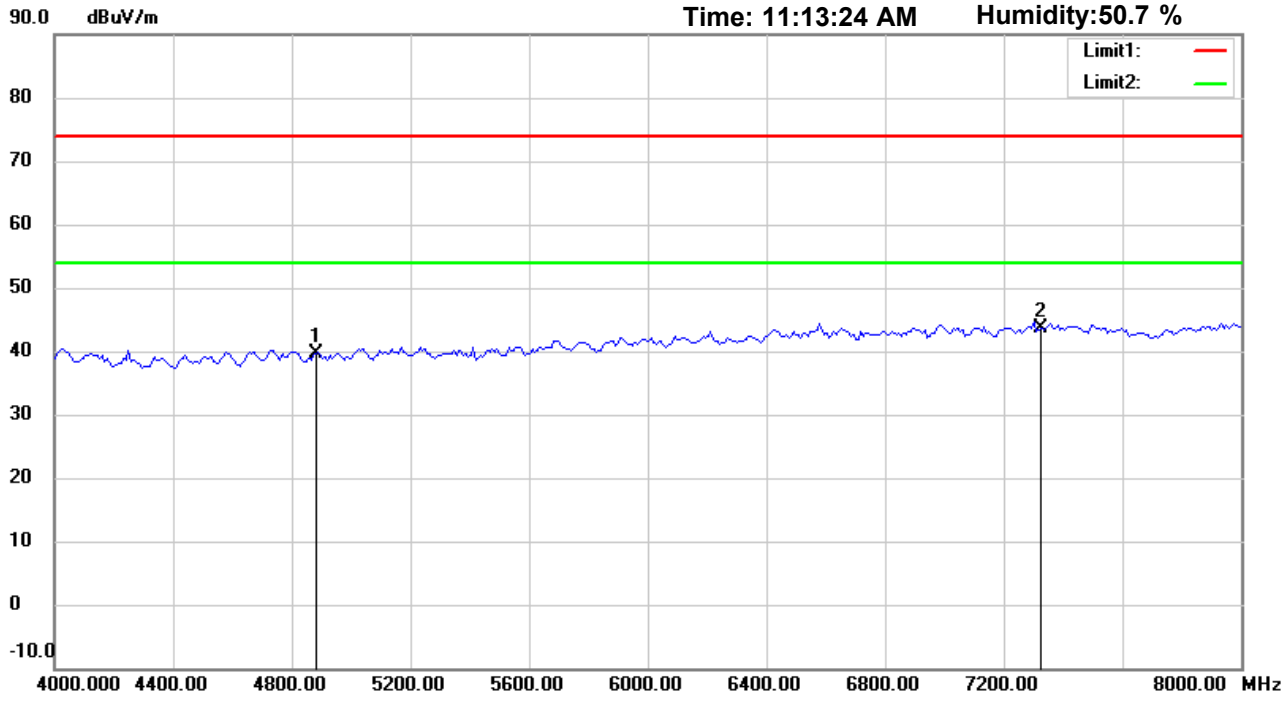
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 9/19/2020 Time: 11:13:24 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4880.000	41.30	peak	-1.60	39.70	74.00	150	182	-34.30	
*	7320.000	40.02	peak	3.51	43.53	74.00	150	243	-30.47	

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

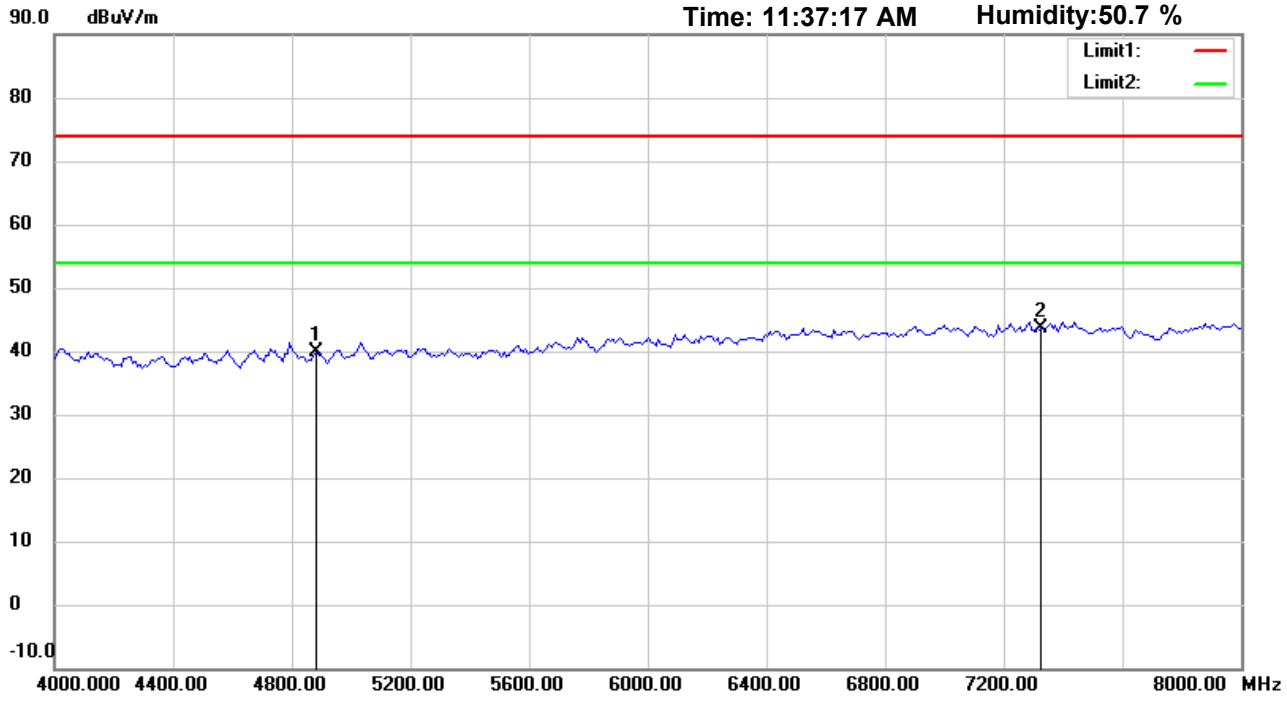
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 9/19/2020 Time: 11:37:17 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4880.000	41.50	peak	-1.60	39.90	74.00	150	255	-34.10	
*	7320.000	40.07	peak	3.51	43.58	74.00	150	229	-30.42	

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

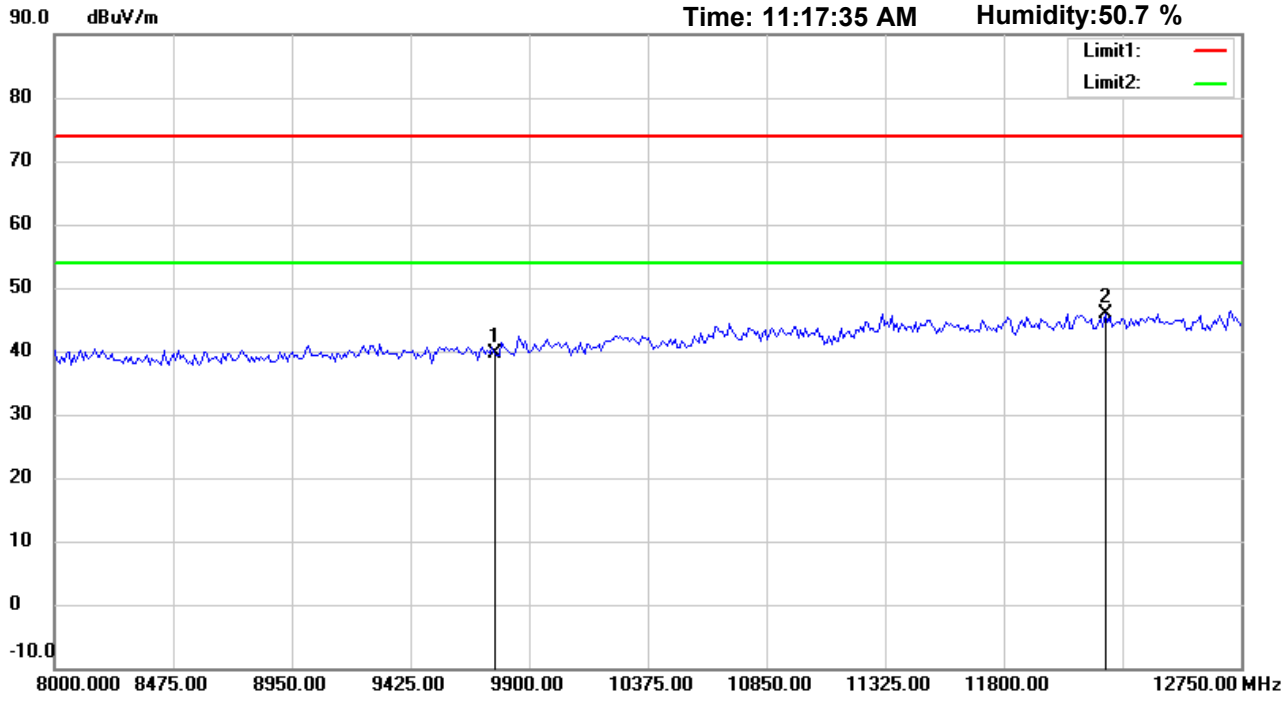
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 9/19/2020 Time: 11:17:35 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9760.000	32.89	peak	6.84	39.73	74.00	150	277	-34.27	
*	12200.000	32.86	peak	13.02	45.88	74.00	150	129	-28.12	

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

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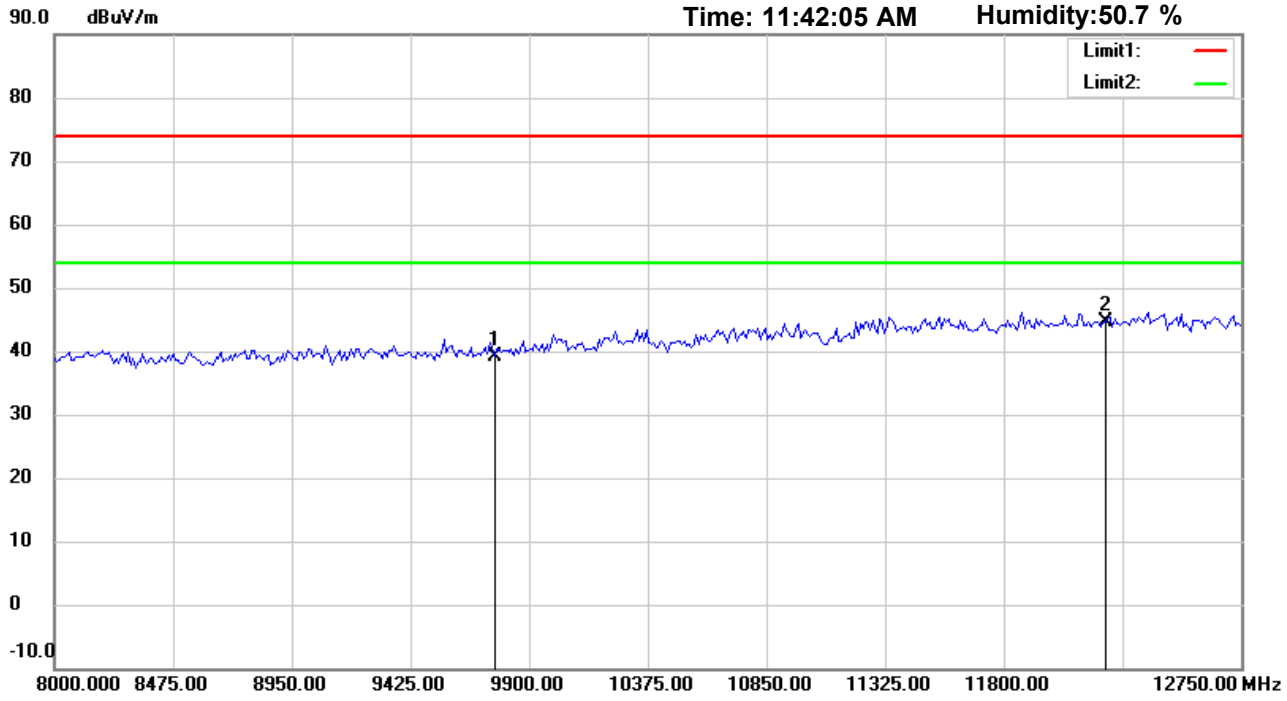
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 9/19/2020 Time: 11:42:05 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9760.000	32.20	peak	6.84	39.04	74.00	150	216	-34.96	
*	12200.000	31.58	peak	13.02	44.60	74.00	150	235	-29.40	

*: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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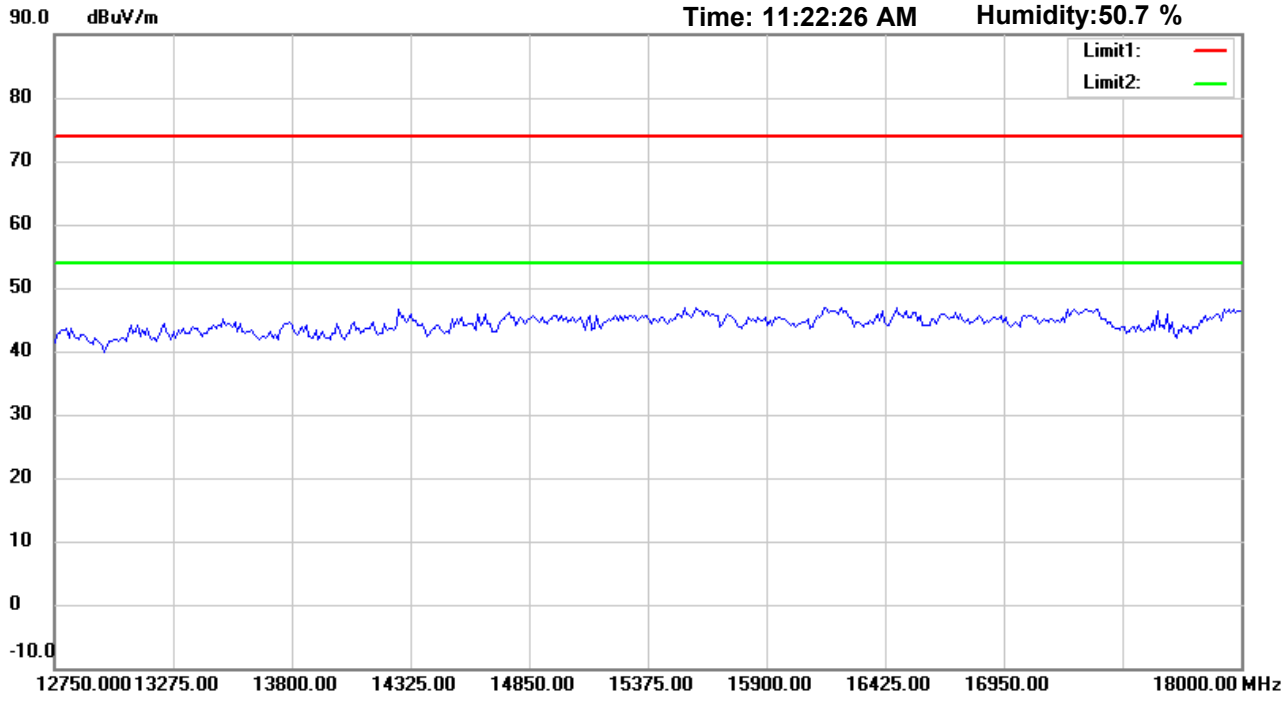
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 9/19/2020 Time: 11:22:26 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

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

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

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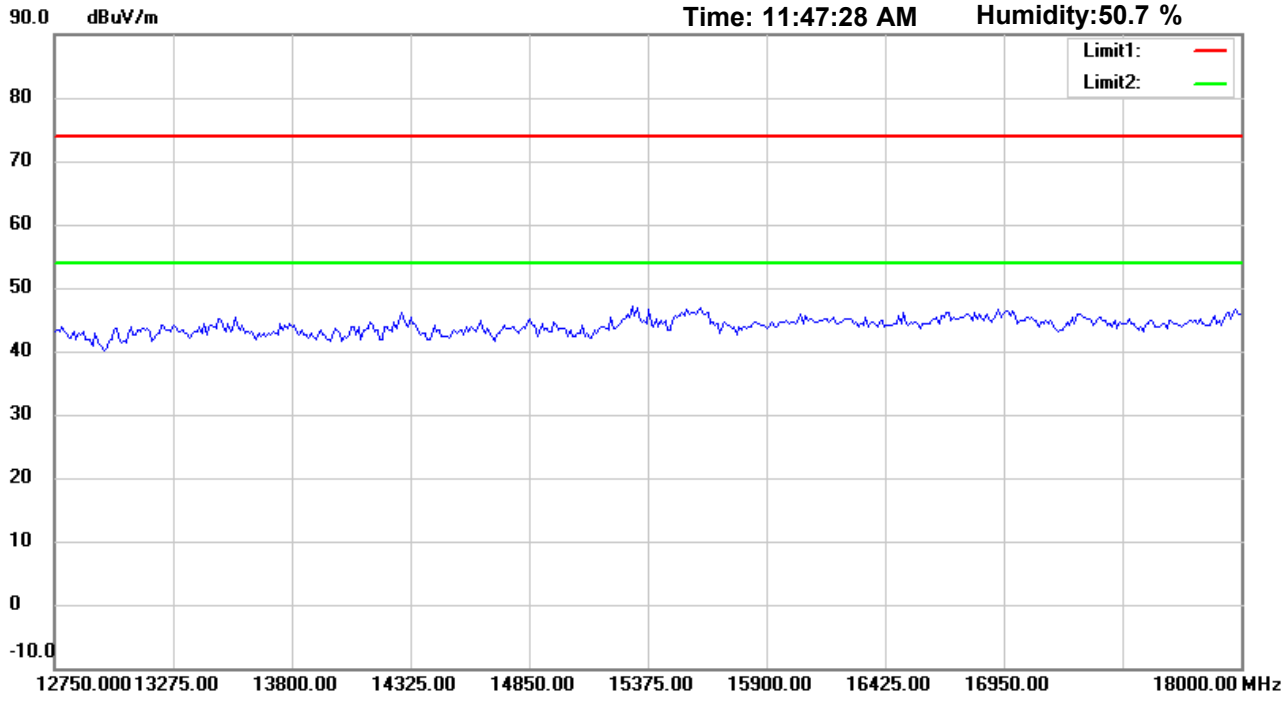
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 9/19/2020 Time: 11:47:28 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2440MHz

Note :

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

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

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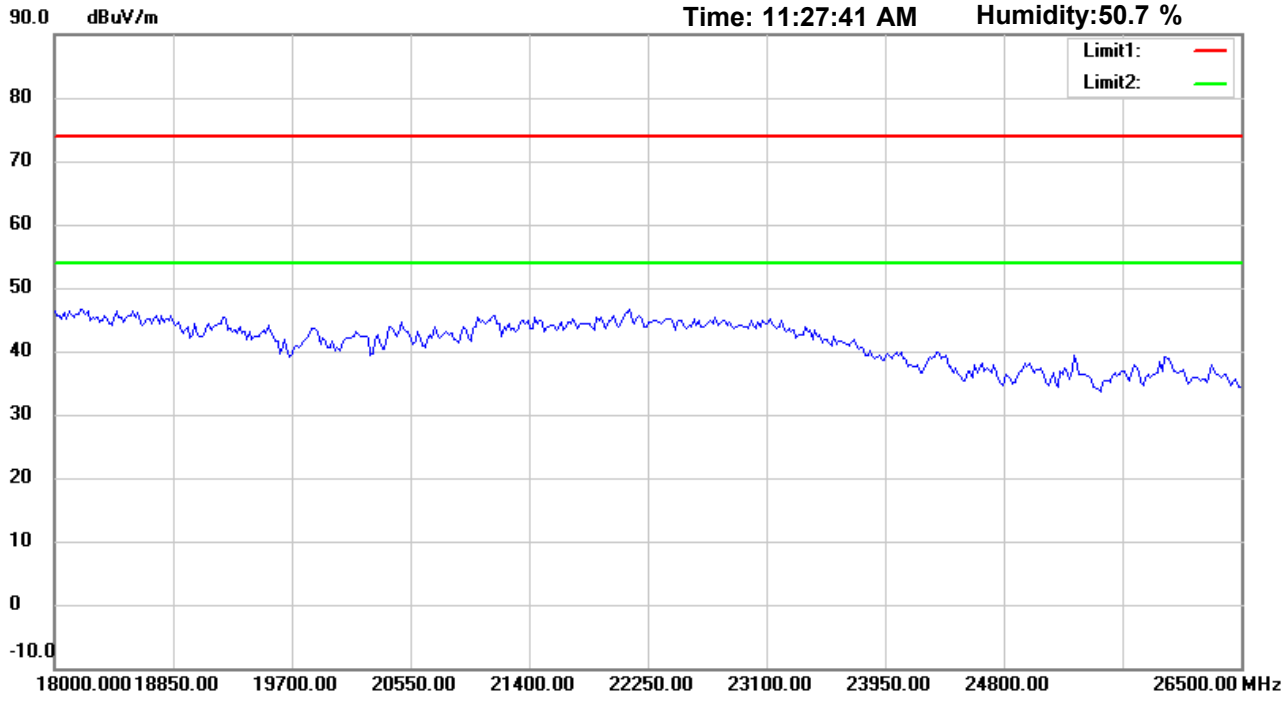
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 9/19/2020 Time: 11:27:41 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

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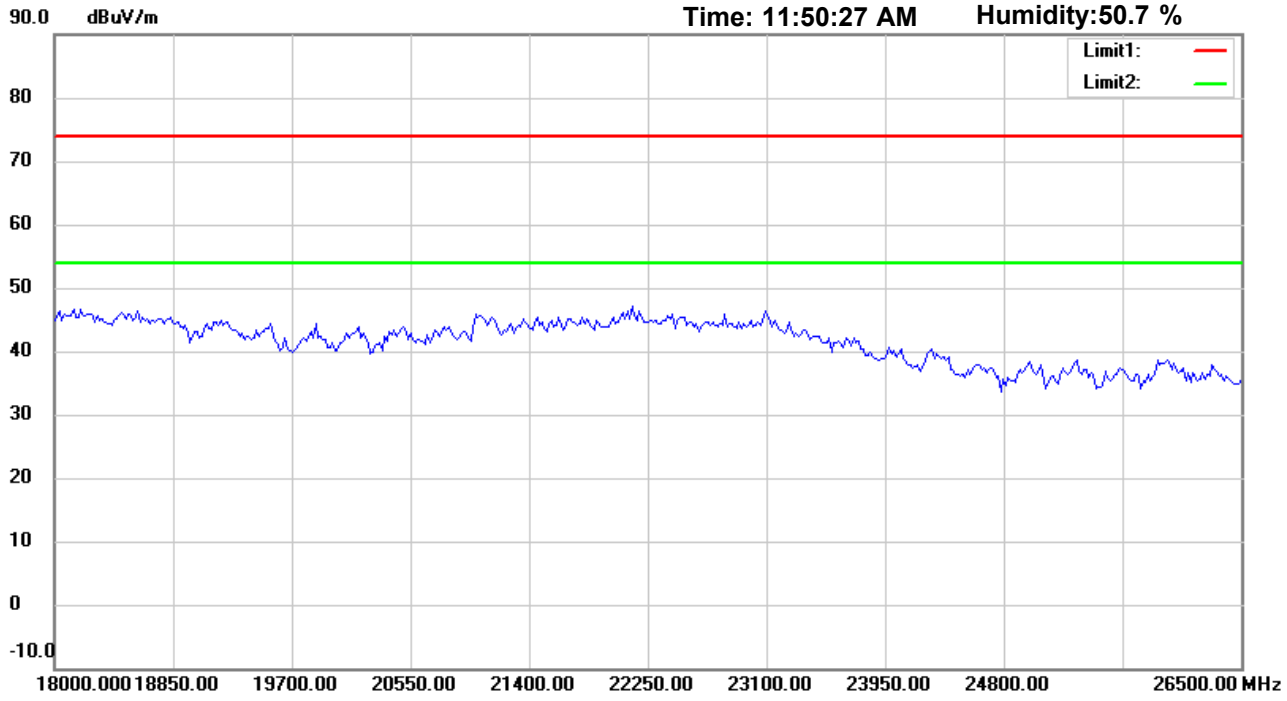
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 9/19/2020 Time: 11:50:27 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2440MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

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

*: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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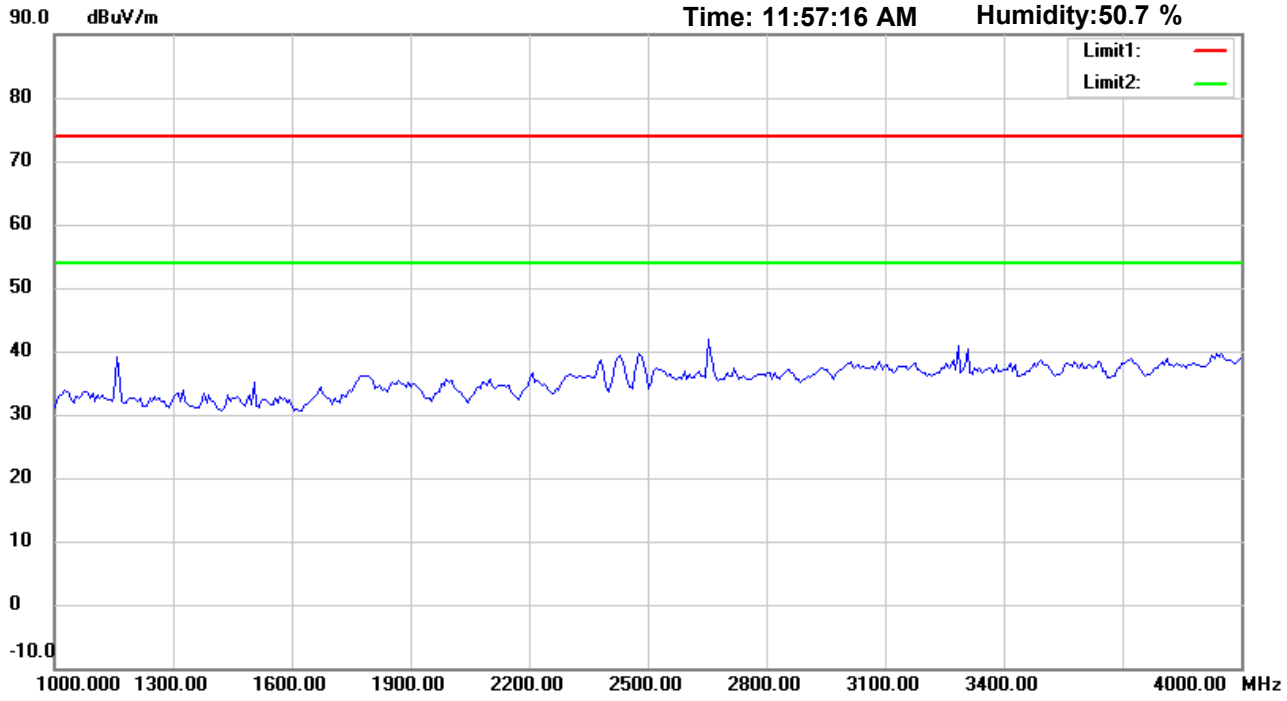
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#1 Date: 9/19/2020 Time: 11:57:16 AM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

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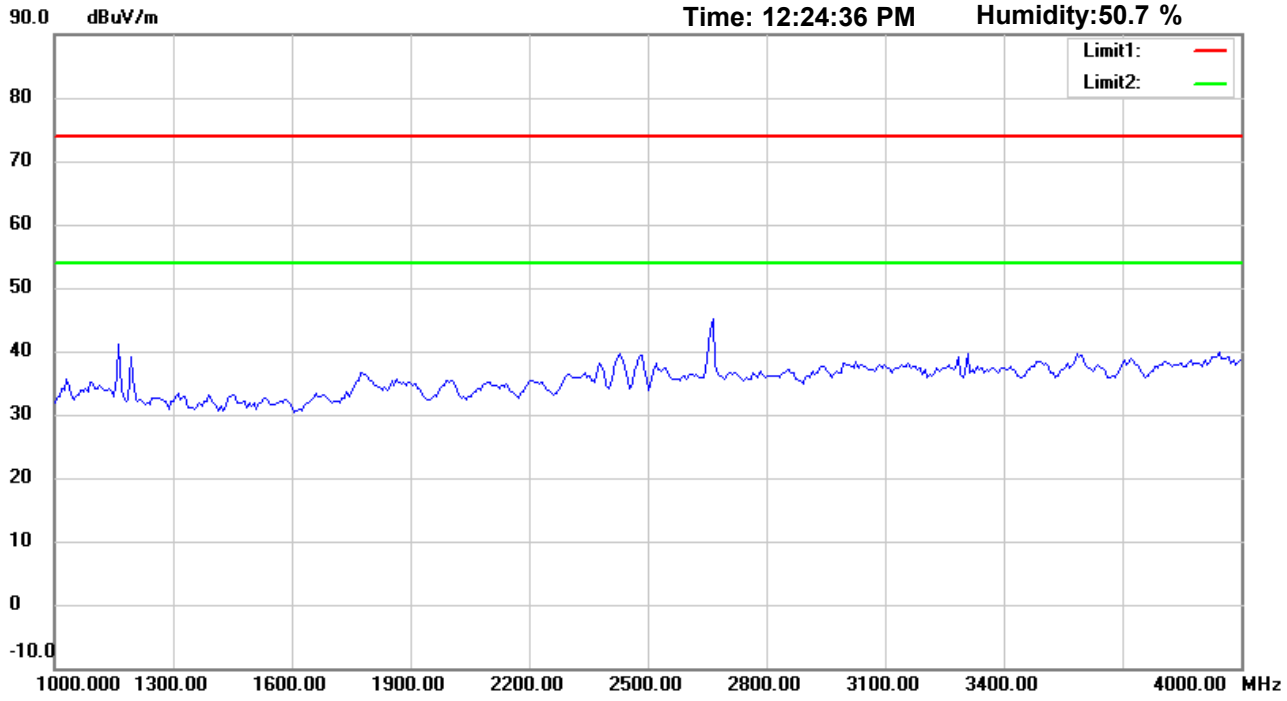
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#6 Date: 9/19/2020 Time: 12:24:36 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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

*: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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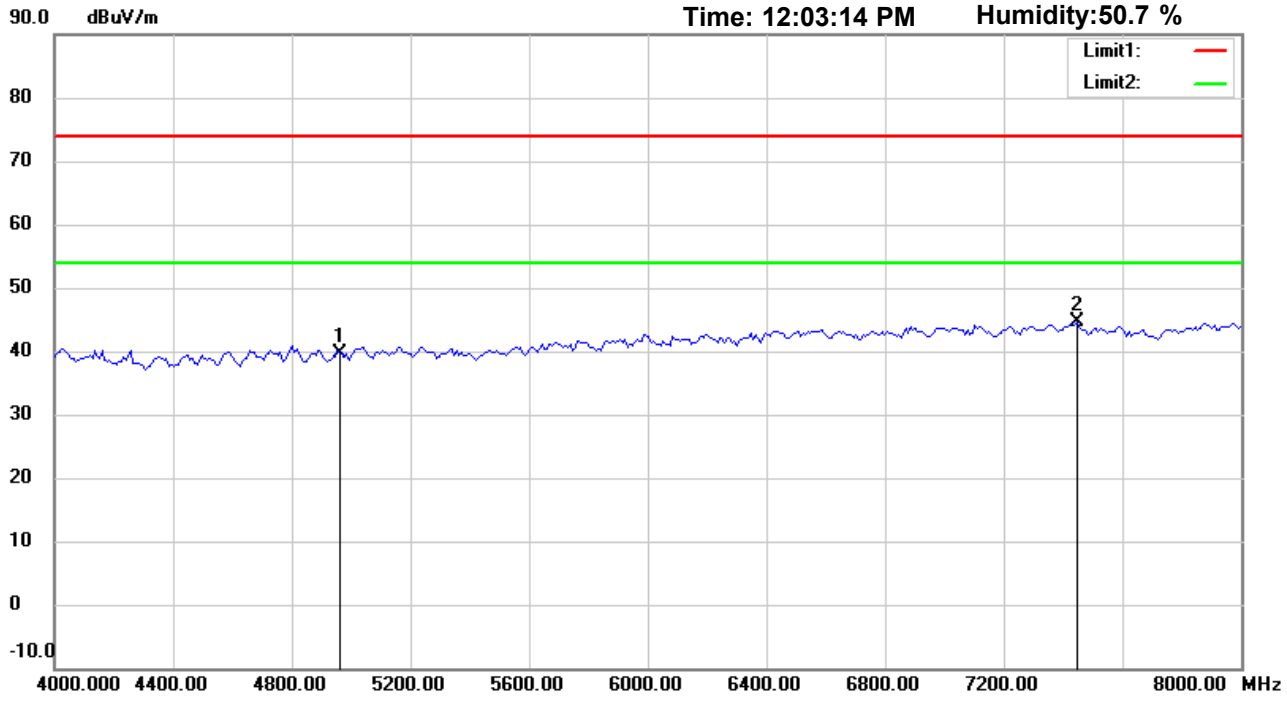
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#2 Date: 9/19/2020 Time: 12:03:14 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	40.87	peak	-1.36	39.51	74.00	150	194	-34.49	
*	7440.000	40.96	peak	3.76	44.72	74.00	150	113	-29.28	

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

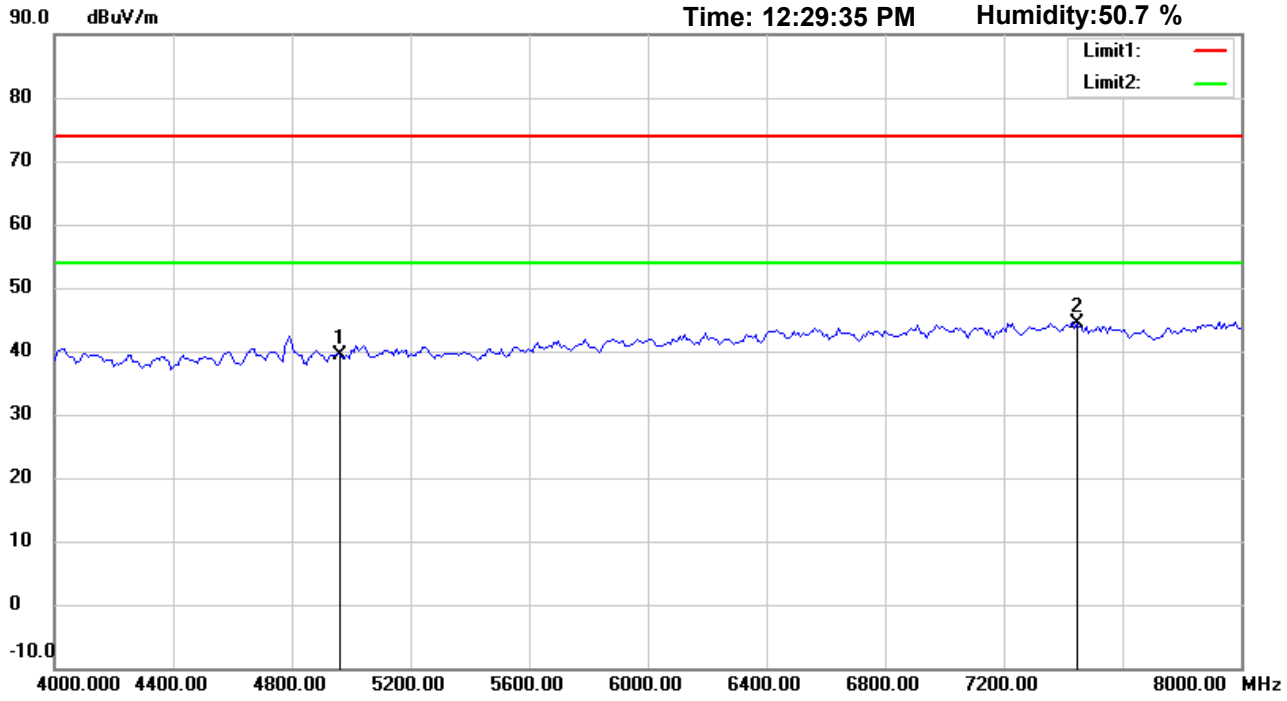
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#7 Date: 9/19/2020 Time: 12:29:35 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4960.000	40.68	peak	-1.36	39.32	74.00	150	55	-34.68	
*	7440.000	40.52	peak	3.76	44.28	74.00	150	112	-29.72	

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

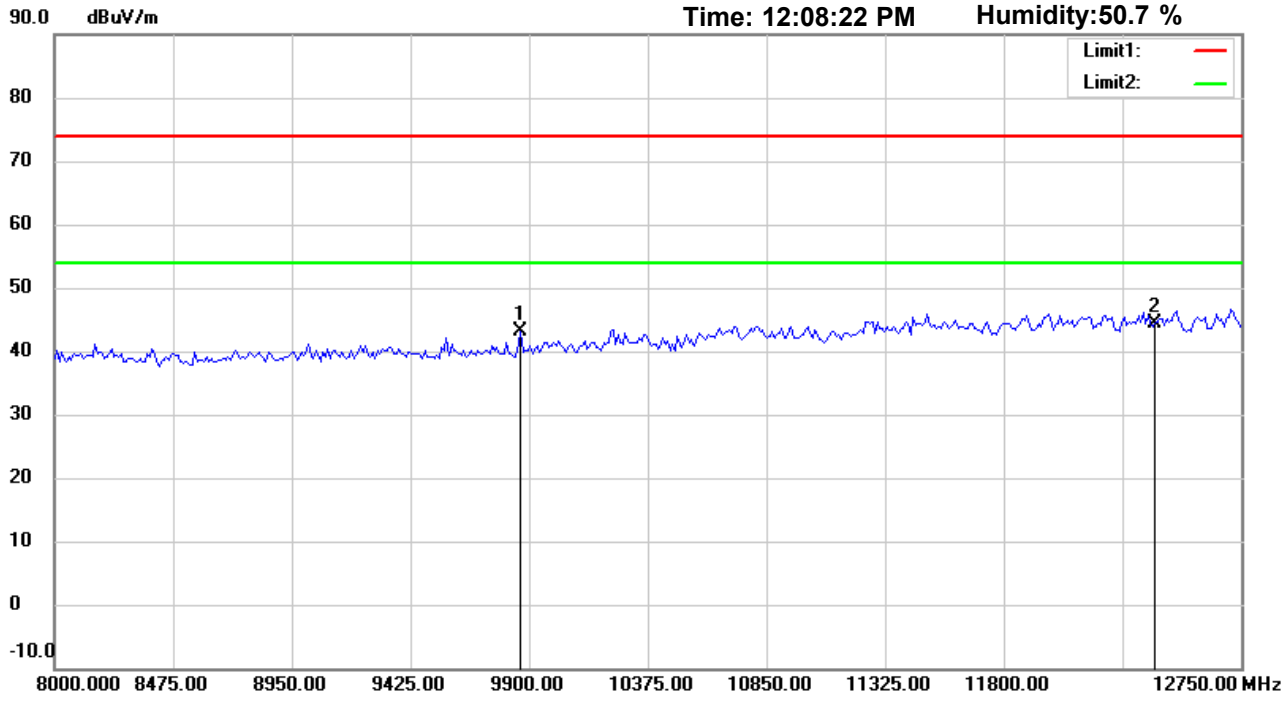
Address:6F.,No.58,Ln 188,Ruey Kuang Rd,Neihu,Taipei
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#3 Date: 9/19/2020 Time: 12:08:22 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9865.731	36.03	peak	7.10	43.13	74.00	150	255	-30.87	
*	12400.000	31.64	peak	12.81	44.45	74.00	150	272	-29.55	

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

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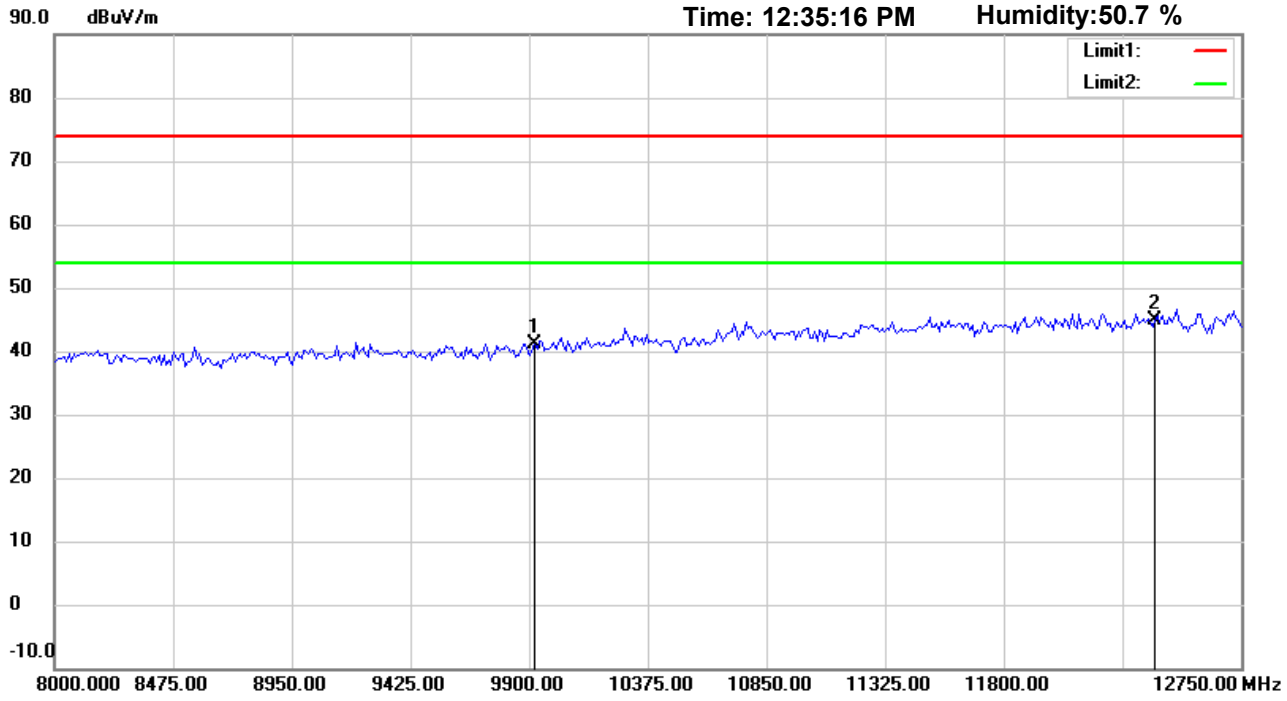
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#8 Date: 9/19/2020 Time: 12:35:16 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	9920.000	33.96	peak	7.23	41.19	74.00	150	70	-32.81	
*	12400.000	32.09	peak	12.81	44.90	74.00	150	138	-29.10	

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

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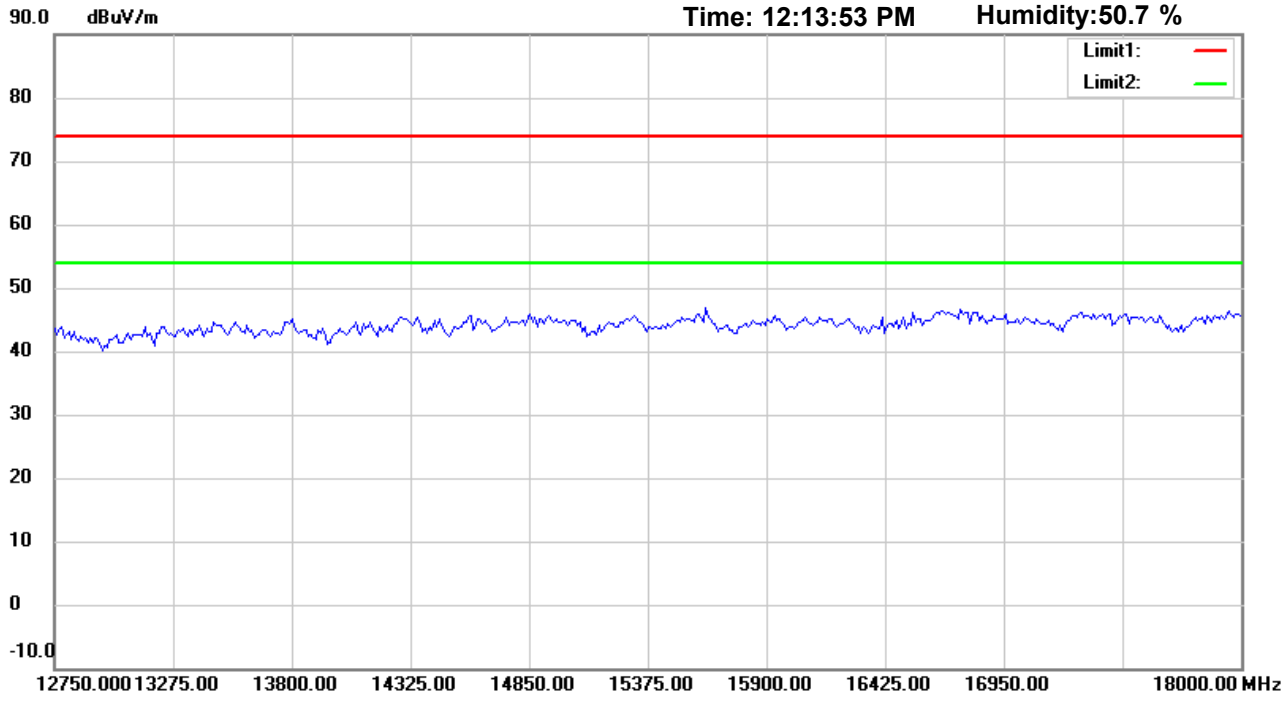
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Vincent

File :3 Data :#4 Date: 9/19/2020 Time: 12:13:53 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

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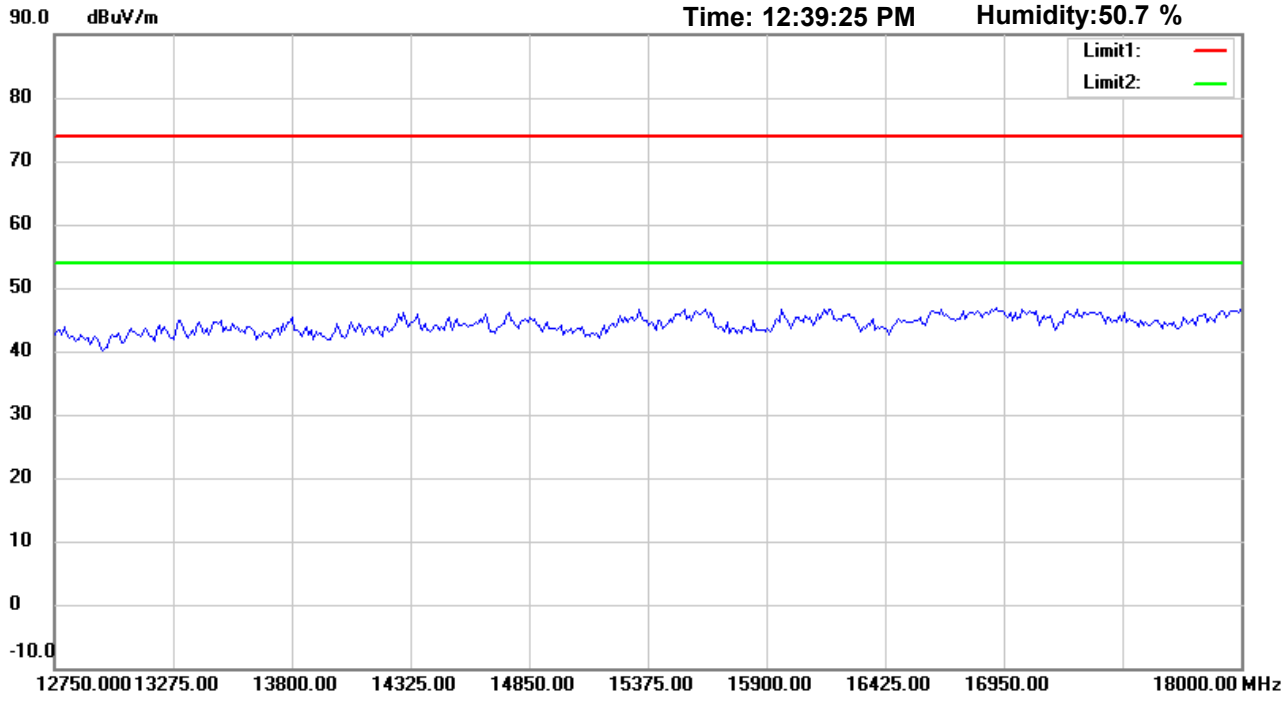
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#9 Date: 9/19/2020 Time: 12:39:25 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Vertical*

EUT : W6M22006-19970

Power : 120V A.C.

M/N:

Distance: 3m

Test Mode : TX 2480MHz

Note :

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

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

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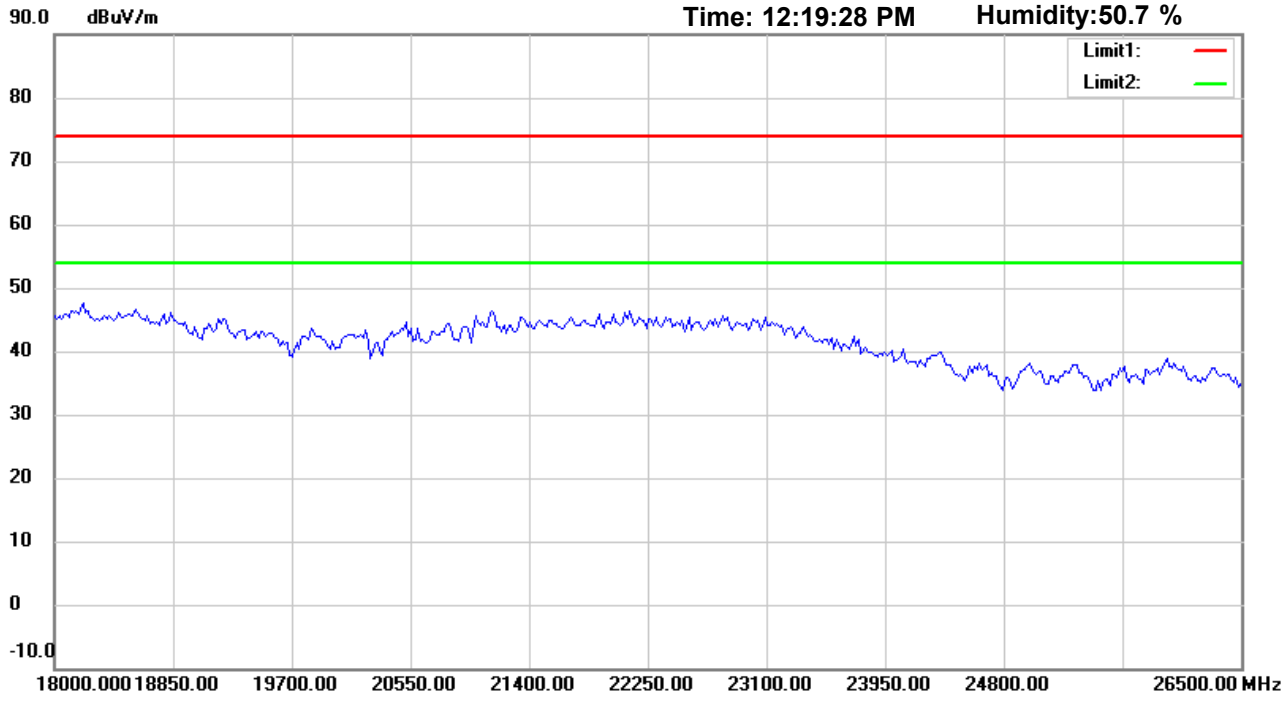
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#5 Date: 9/19/2020 Time: 12:19:28 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Horizontal*

Power : 120V A.C.

Distance: 3m

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

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

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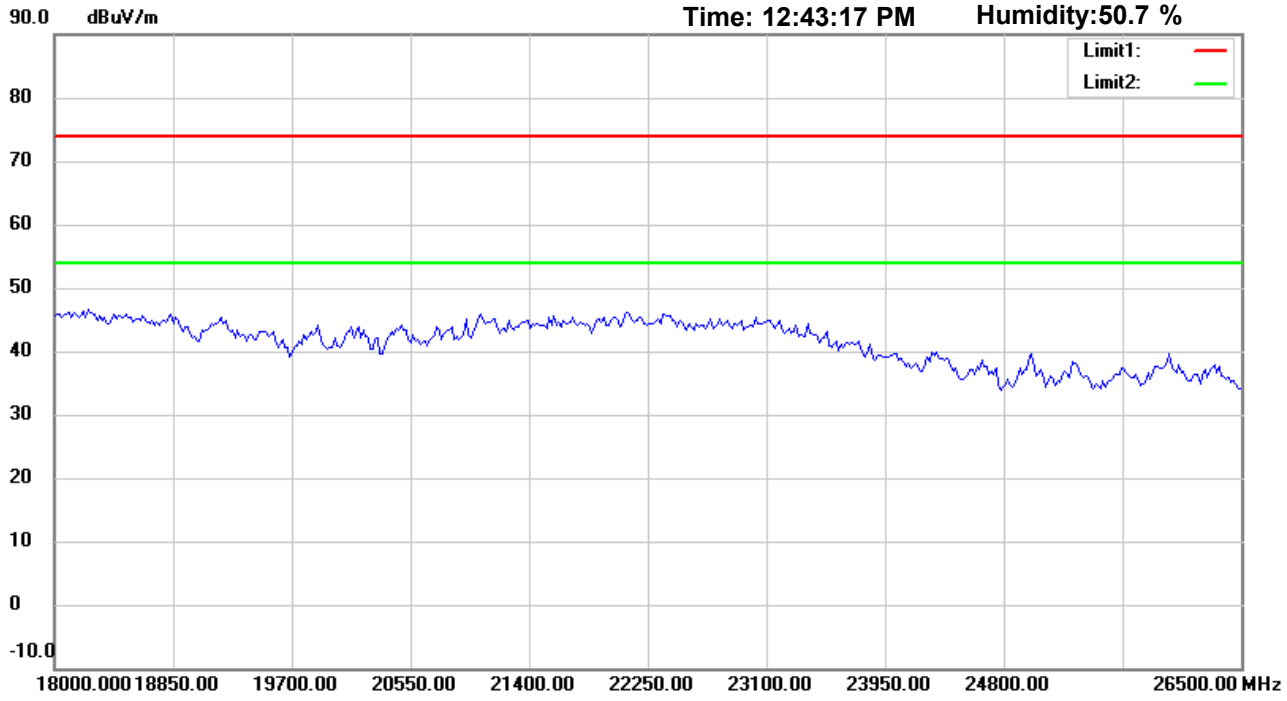
Radiated Emission Measurement

Operator: Vincent

File :3 Data :#10 Date: 9/19/2020 Time: 12:43:17 PM

Temperature:28.0 ℃ Humidity:50.7 %



Site : Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120V A.C.

Distance: 3m

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

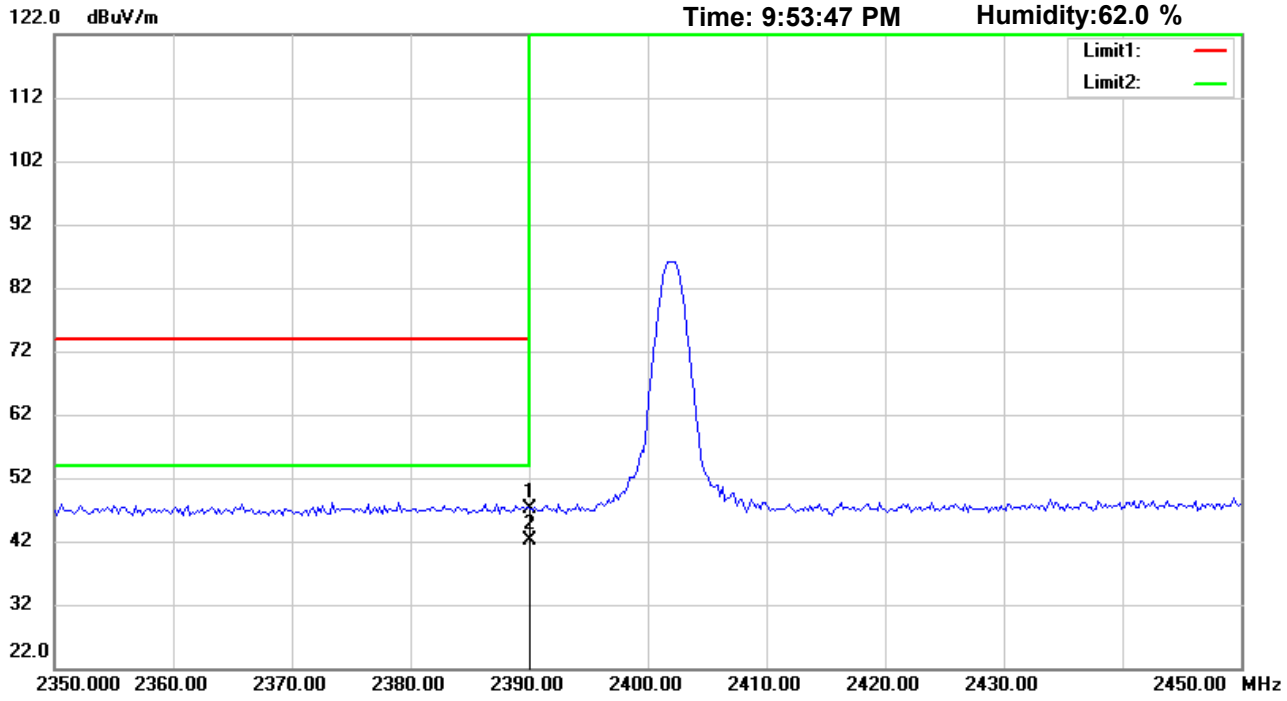
*:Maximum data x:Over limit !:over margin

Bandedge
BT2.0

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

Radiated Emission Measurement

Operator: Sky
File :Bandedge Data :#1 Date: 12/4/2020 Time: 9:53:47 PM
Temperature:22.2 ℃
Humidity:62.0 %



Site : Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22006-19970
M/N:
Test Mode : TX 2402MHz
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	10.03	peak	37.10	47.13	74.00	150	230	-26.87	
*	2390.000	5.11	AVG	37.10	42.21	54.00	150	230	-11.79	

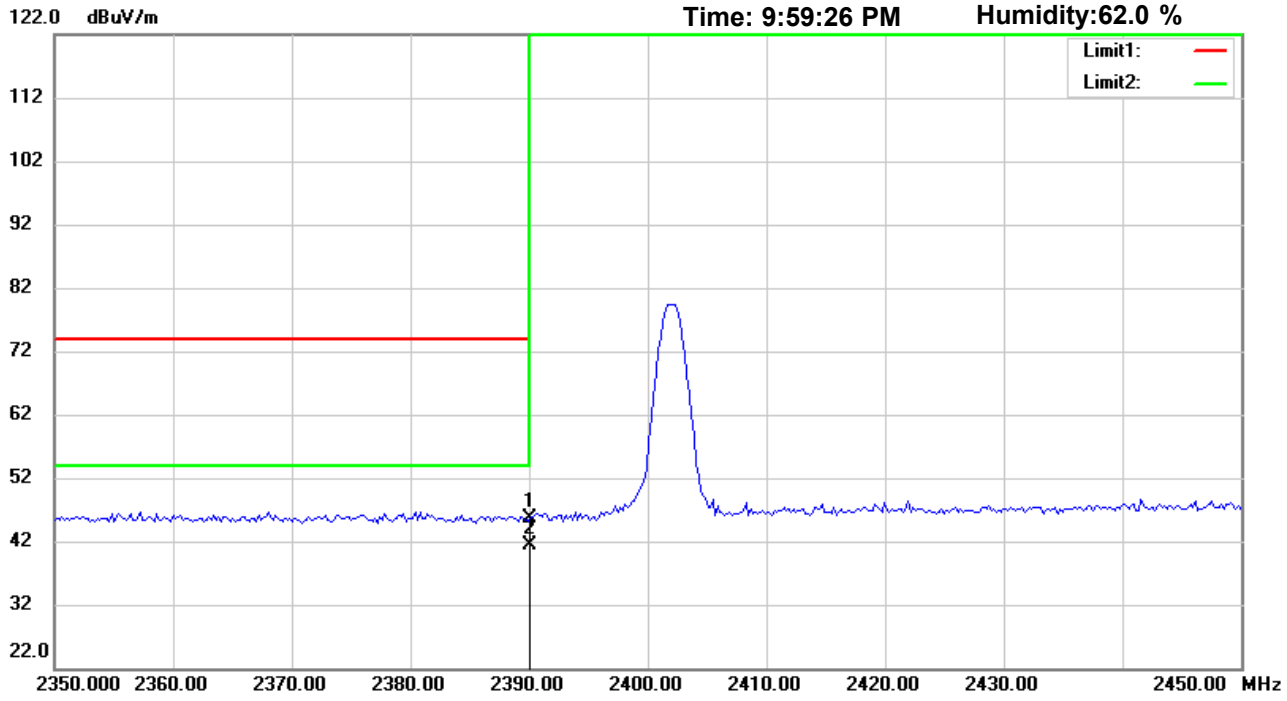
*:Maximum data x:Over limit !:over margin

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

Radiated Emission Measurement

Operator: Sky

File :Bandedge | Data :#2 | Date: 12/4/2020 | Time: 9:59:26 PM | Temperature:22.2 ℃ | Humidity:62.0 %



Site : Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22006-19970
M/N:
Test Mode : TX 2402MHz
Note :

Polarization: *Vertical*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	8.53	peak	37.10	45.63	74.00	150	120	-28.37	
*	2390.000	4.25	AVG	37.10	41.35	54.00	150	120	-12.65	

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

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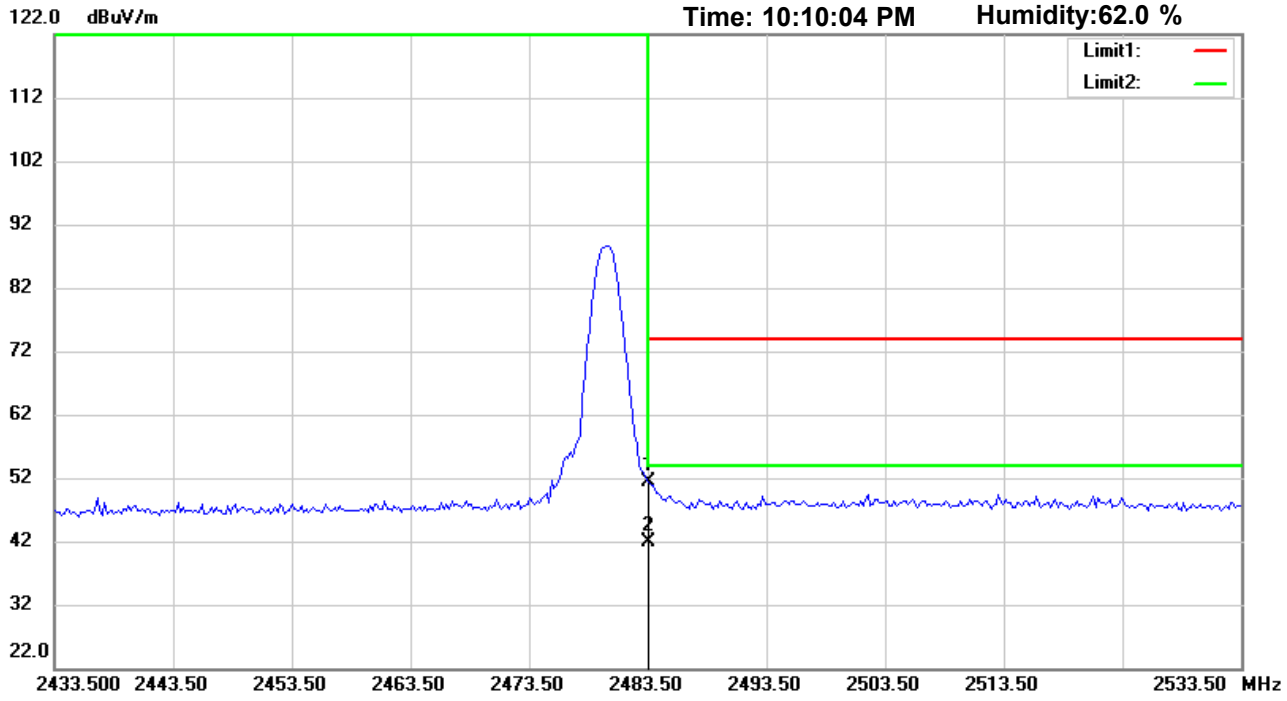
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :Bandedge | Data :#1 | Date: 12/4/2020 | Time: 10:10:04 PM | Temperature:22.2 ℃ | Humidity:62.0 %



Site : Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22006-19970
M/N:
Test Mode : TX 2480MHz
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	13.51	peak	37.83	51.34	74.00	160	270	-22.66	
*	2483.500	4.15	AVG	37.83	41.98	54.00	160	270	-12.02	

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

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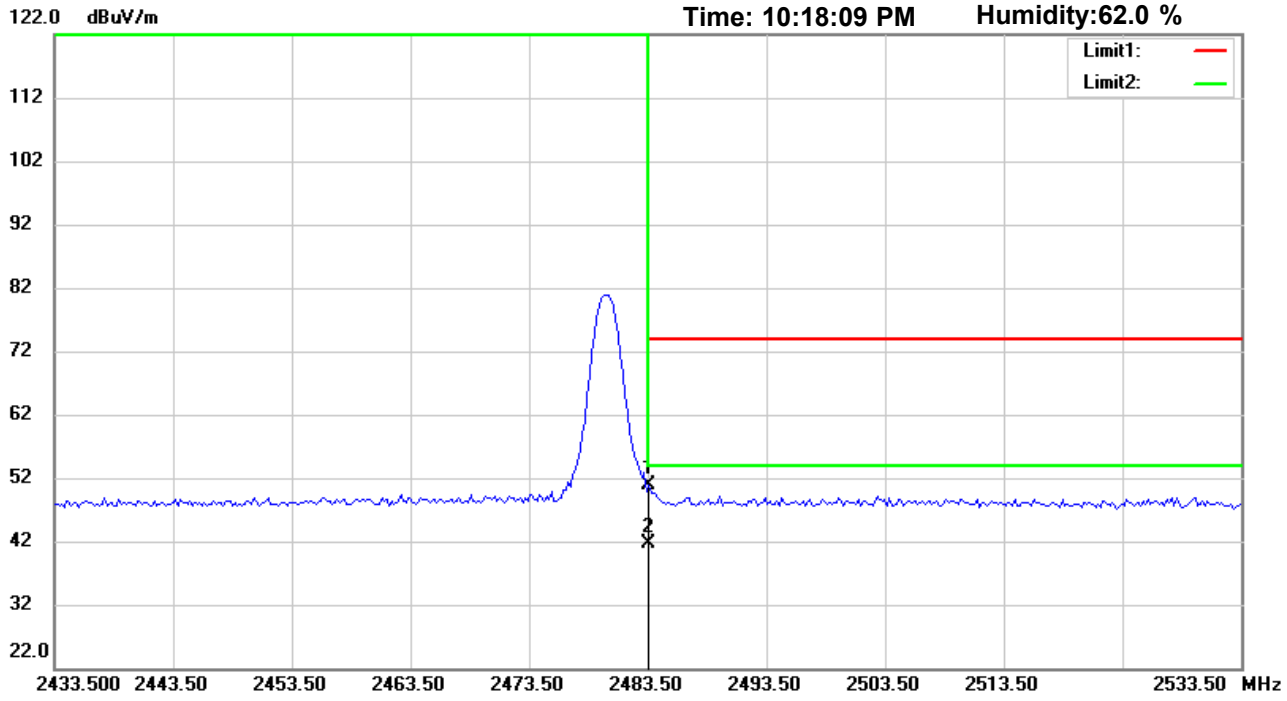
Radiated Emission Measurement

Operator: Sky

File :Bandedge | Data :#2 | Date: 12/4/2020 | Time: 10:18:09 PM | Temperature:22.2 ℃ | Humidity:62.0 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	13.08	peak	37.83	50.91	74.00	150	50	-23.09	
*	2483.500	3.81	AVG	37.83	41.64	54.00	150	50	-12.36	

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

BLE

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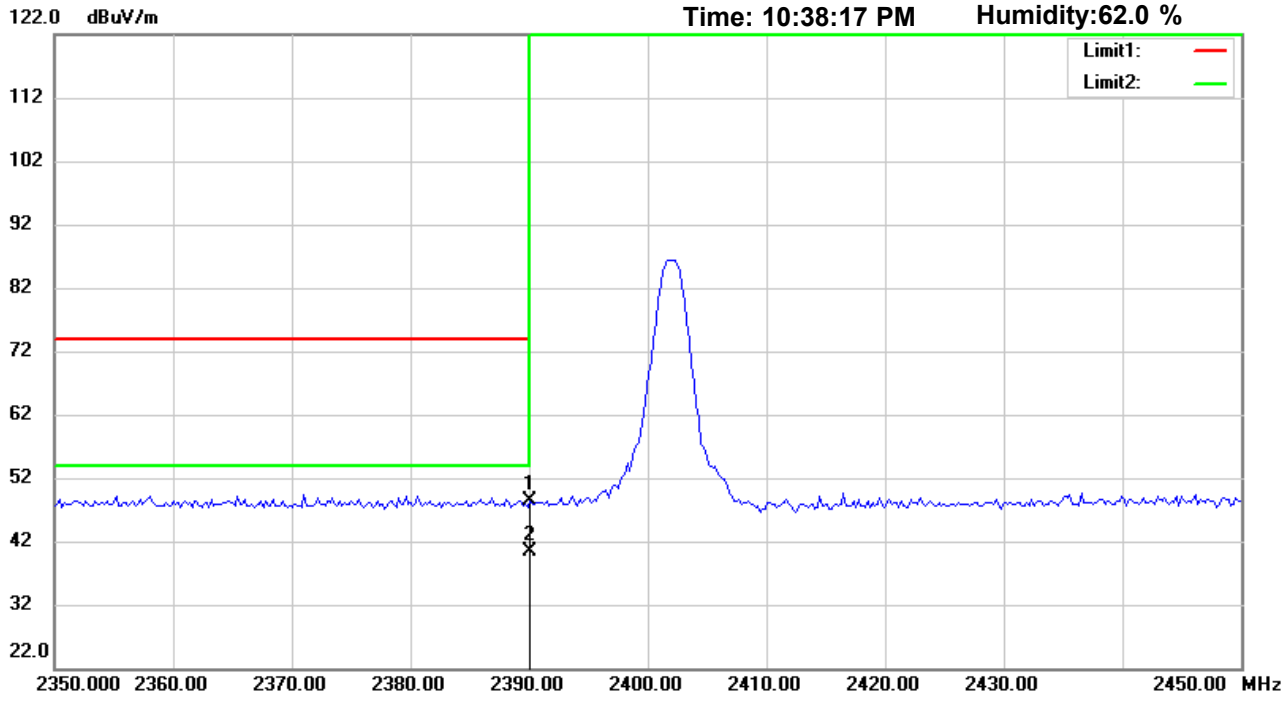
Radiated Emission Measurement

Operator: Sky

File :Bandedge Data :#1 Date: 12/4/2020 Time: 10:38:17 PM

Temperature:22.2 ℃ Humidity:62.0 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Horizontal*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	11.31	peak	37.10	48.41	74.00	150	274	-25.59	
*	2390.000	3.26	AVG	37.10	40.36	54.00	150	274	-13.64	

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

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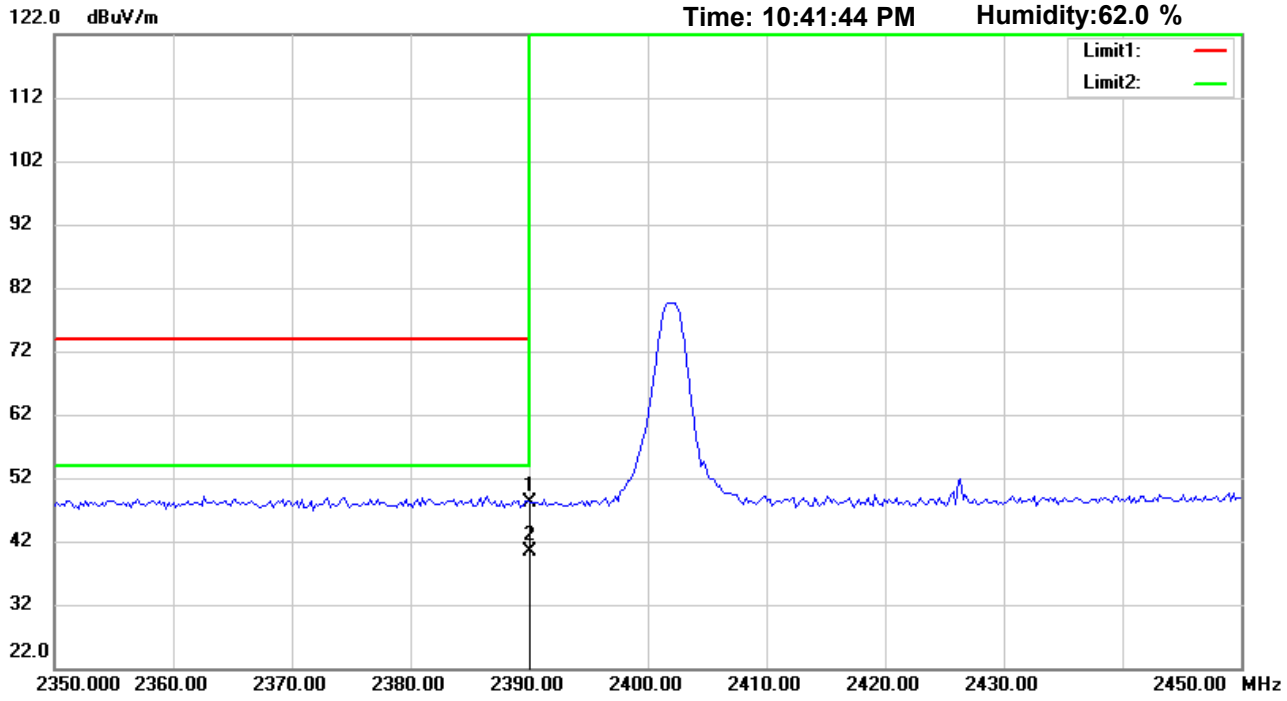
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :Bandedge | Data :#2 | Date: 12/4/2020 | Time: 10:41:44 PM | Temperature:22.2 ℃ | Humidity:62.0 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22006-19970

M/N:

Test Mode : TX 2402MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2390.000	10.98	peak	37.10	48.08	74.00	150	50	-25.92	
*	2390.000	3.19	AVG	37.10	40.29	54.00	150	50	-13.71	

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

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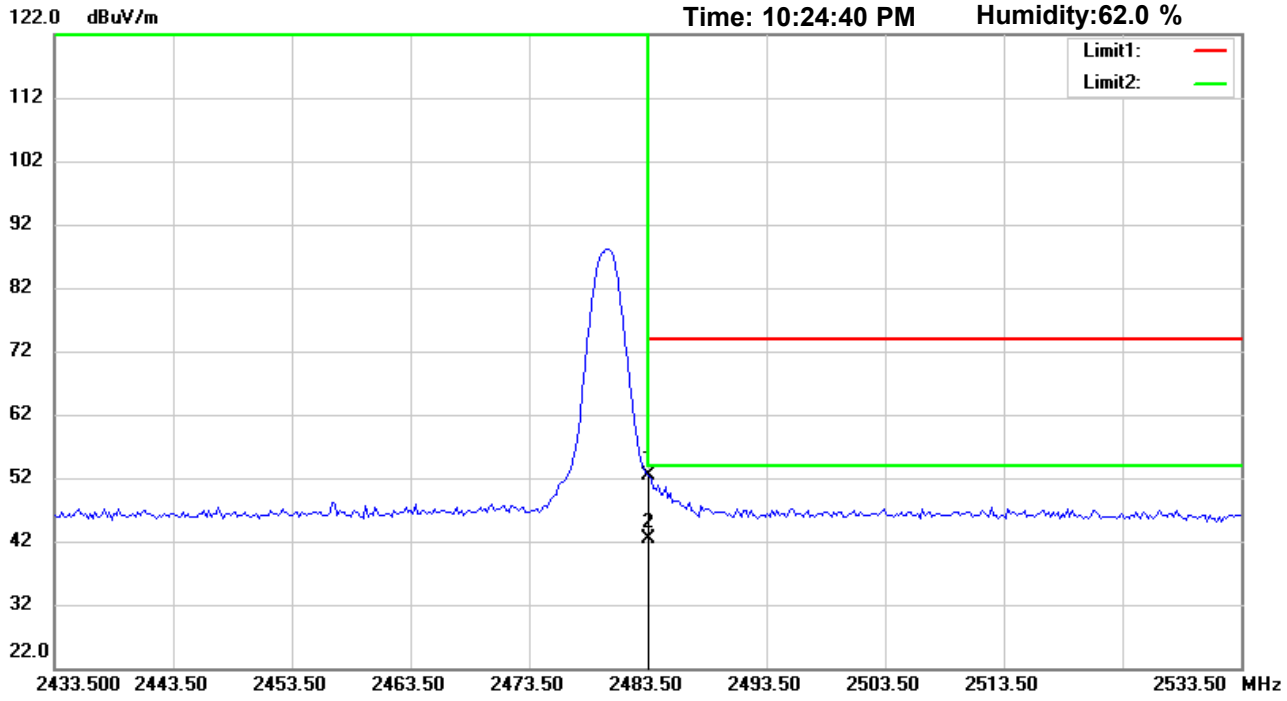
Tel:+886-2-6606-8877
Fax:+886-2-6606-8879

Radiated Emission Measurement

Operator: Sky

File :Bandedge | Data :#1 | Date: 12/4/2020 | Time: 10:24:40 PM | Temperature:22.2 ℃ | Humidity:62.0 %



Site : Chamber
Condition : FCC 15.247 PK (Bandedge)
EUT : W6M22006-19970
M/N:
Test Mode : TX 2480MHz
Note :

Polarization: *Horizontal*
Power : 120 Va.c.
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	14.60	peak	37.83	52.43	74.00	150	300	-21.57	
*	2483.500	4.65	AVG	37.83	42.48	54.00	150	300	-11.52	

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

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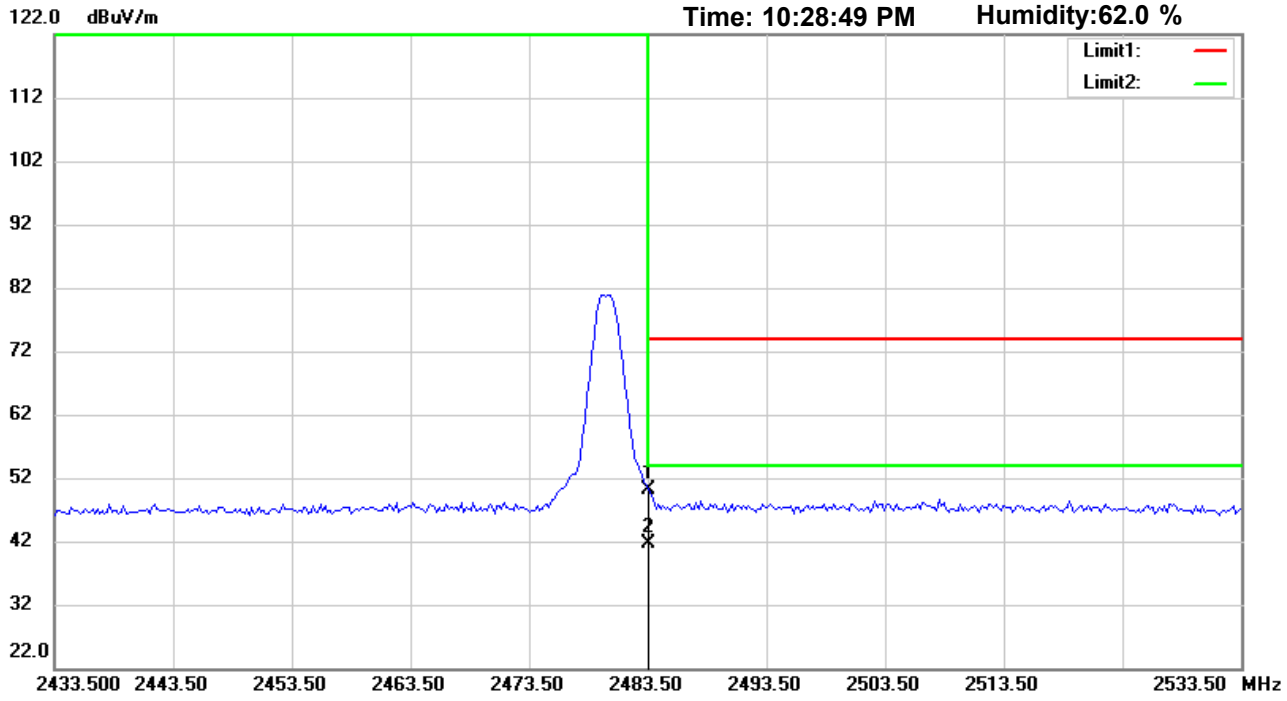
Radiated Emission Measurement

Operator: Sky

File :Bandedge | Data :#2 | Date: 12/4/2020 | Time: 10:28:49 PM | Temperature:22.2 ℃ | Humidity:62.0 %



Site : Chamber

Condition : FCC 15.247 PK (Bandedge)

EUT : W6M22006-19970

M/N:

Test Mode : TX 2480MHz

Note :

Polarization: *Vertical*

Power : 120 Va.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2483.500	12.21	peak	37.83	50.04	74.00	150	50	-23.96	
*	2483.500	3.91	AVG	37.83	41.74	54.00	150	50	-12.26	

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