

**47 CFR PART 15 SUBPART C TEST REPORT**

**for**

**PIR Motion Sensor Camera**

**Model No.: VST-892HD**

**FCC ID: GX9892HDF1919**

**of**

Applicant: CLIMAX TECHNOLOGY CO., LTD.

Address: No. 258, Sinhu 2nd Rd., Neihu District, Taipei City 114,  
Taiwan ( R.O.C.)

Tested and Prepared

by

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

**FCC Registration No.: TW1072, TW1140, TW1141, TW1146,  
TW1477, TW0200, TW0037**

**Industry Canada filed test laboratory Reg. No.: 20037, 5107A, 31634**



**Report No.: W6M22405-23448-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](mailto:wts@wts-lab.com)



Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919

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## 1 General Information

### 1.1 Notes

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

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

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

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

Laboratory disclaimer-

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

### **Tester:**

May 20, 2024

Ken Kang

Date

WTS-Lab.

Name

Signature

### **Technical responsibility for area of testing:**

May 20, 2024

Kevin Wang

Date

WTS

Name

Signature



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## **1.2 Testing laboratory**

### **1.2.1 Location**

10m OATS

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

3 meter semi-anechoic chamber

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

Xizhi Lab

No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City 221032, Taiwan (R.O.C.)

Worldwide Testing Services (Taiwan) Co., Ltd.

6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,  
Taipei City 114, Taiwan (R.O.C.)

Tel: 886-2-6606-8877

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

Accredited testing laboratory

FCC filed test laboratory Reg. No.: TW1072, TW1140, TW1141, TW1146, TW1477, TW0200,  
TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 5107A, 31634

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

Name: ./.

Accredited number: ./.

Street: ./.

Town: ./.

Country: ./.

## **1.3 Details of approval holder**

Name: CLIMAX TECHNOLOGY CO., LTD..

Street: No. 258, Sinhu 2nd Rd., Neihu District,

Town: Taipei City 114,

Country: Taiwan ( R.O.C.)

## **1.4 Application details**

Date of receipt of test item: May 03, 2024

Date of test: from May 06, 2024 to May 17, 2024



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## **1.5 General information of Test item**

Type of test item: PIR Motion Sensor Camera

Model number: VST-892HD

Multi-listing model number: ./.

Sample no.: #01

### **Technical data**

Frequency band: 918.0375-924.48 MHz

Band	Channel	Power (dBm)	Limit (dBm)
900MHz	918.0375 MHz	10.31	30
	921.98 MHz	9.32	30
	924.48 MHz	9.14	30

Power supply: Battery 3Vd.c.

Operation modes: Half-Duplex

Modulation type: FSK

Antenna type: Monopole antenna

Antenna gain: -2.57 dBi

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

Name: ./.

Street: ./.

Town: ./.

Country: ./.

## **1.6 Test standards**

47 CFR PART 15 SUBPART C § 15.247 (2023-10)



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## **2 Technical test**

### **2.1 Summary of test results**

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

**or**

The deviations were ascertained in the course of the tests performed.

### **2.2 Test environment**

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Details of power supply: Battery 3Vd.c.

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

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Emission (Power Line Conducted Emission)	Expanded Uncertainty : AMN : 0.94 dB Voltage probe : 0.96 dB Include Pulse Limiter : 1.5 dB
Estimation Result of Uncertainty of Radiated Emission(3M - 966A)(Transmitter Radiated Emissions in restricted Bands, Spurious emissions (tx), Radiated Emissions from Digital Part)	Expanded Uncertainty : 0.009-30 MHz : 1.88 dB 30-1000 MHz : 3.20 dB 1-18 GHz : 3.56 dB 18-40 GHz : 2.94 dB
Estimation Result of Uncertainty of Bandwidth Measurement (20 dB Bandwidth)	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Output Power (transmitter))	Expanded Uncertainty : 1.64 dB
Estimation Result of Uncertainty of Band Edge Measurement (Band-edge Compliance of RF Emissions)	Expanded Uncertainty : 0.67 dBc
Estimation Result of Uncertainty of Frequency Separation Measurement (Carrier Frequency Separation, Number of Hopping Frequencies)	Expanded Uncertainty : 554.14 Hz
Estimation Result of Uncertainty of Duty Cycle Measurement (Time of Occupancy (Dwell Time))	Expanded Uncertainty : 0.1 ms

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



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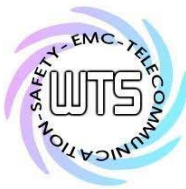
## 2.3 Test Equipment List

Max Output Power & 20 dB Bandwidth & Bandedge & Carrier Frequency Separation & Number of Hopping & Dwell Time

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2024/2/16	2025/2/15
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2024/3/7	2025/3/6
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2024/2/16	2025/2/15
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2024/2/16	2025/2/15

## Spurious Emission (966A)

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2023/9/20	2024/9/19
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2024/2/16	2025/4/9
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2023/7/14	2024/7/13
ETSTW-RE 177	TRILOG Broadband Antenna	VULB 9168&EMCI-N-6-06	01380&AT-06007	SCHWARZBECK&EMC	2024/3/4	2025/3/3
ETSTW-RE 178	Double Ridged Guide Horn Antenna	DRH18-E	210505A18ES	RFSPIN	2024/2/29	2025/2/28
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2023/7/14	2024/7/13
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2023/7/14	2024/7/13
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2023/7/14	2024/7/13
WTSTW-SW 002	EMI TEST SOFTWARE	EZ_EMCI	None	Farad	Version ETS-03A1 Version EMCI-3A1+	



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## **2.4 General Test Procedure**

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

**RADIATION INTERFERENCE:** The test procedure used was according to ANSI STANDARD C63.10-2013 6.3 employing a spectrum analyzer. For investigated frequency is equal to or below 1GHz, the RBW and VBW of the spectrum analyzer was 100 kHz and 100kHz respectively with an appropriate sweep speed. For investigated frequency is above 1GHz, both of RBW and VBW of the spectrum analyzer were 1 MHz with an appropriate sweep speed. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the UUT was 23°C with a humidity of 40 %.

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





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

The formula is as follows:

Average = Peak + Duty Factor

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

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

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

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



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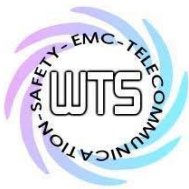
FCC ID: GX9892HDF1919

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

TEST CASE	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Equivalent radiated Power	15.247(b)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions radiated – Transmitter operating	15.247(d):15.209	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spurious Emissions conducted – Transmitter operating	15.247	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Carrier Frequency Separation	15.247(a) (1)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Number of Hopping Frequencies	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Time of Occupancy (Dwell Time)	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20 dB Bandwidth	15.247(a) (1)(i)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Band-edge Compliance of RF Emission	15.247(d)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Emission from Digital Part	15.109	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Power Line Conducted Emission	15.207(a)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

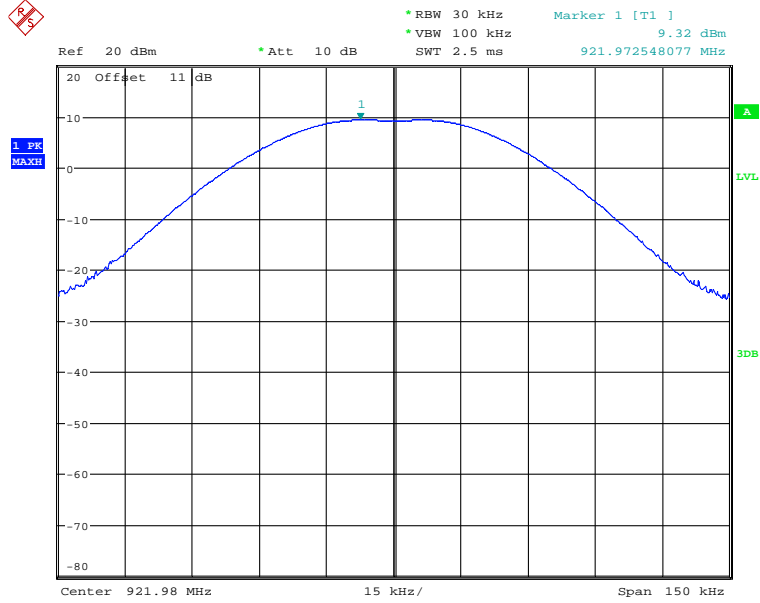
The follows is intended to leave blank.



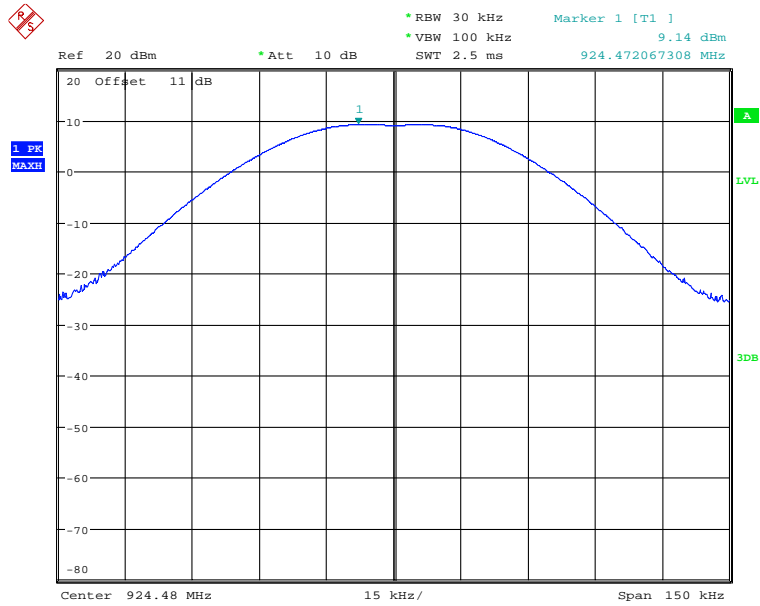


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MAX OUTPUT POWER 921.98MHz  
Date: 15.MAY.2024 13:32:47



MAX OUTPUT POWER 924.48MHz  
Date: 15.MAY.2024 13:33:50



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**Limits:**

Frequency (MHz)	Number of hopping channels			
	$\geq 75$	$\geq 50$	$49 \geq 25$	$74 \geq 15$
902-928	--	30 dBm	24 dBm	--
2400-2483.5 MHz	30 dBm	--	--	21 dBm
5725-5850 MHz	30 dBm	--	--	--

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



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## **3.2 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 26000 MHz.

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

RES BW VID BW

Frequency <1 GHz 100 kHz 100 kHz (Peak measurements)

Frequency >1 GHz 1 MHz 1 MHz (Peak measurements)

1 MHz 1 MHz (Average measurements)

Limits:

For frequencies below 1GHz :

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

For frequencies above 1GHz (Average measurements).

Guidance on Measurement of FHSS Systems:

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

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

For frequencies above 1GHz (Average measurements).

Limit – duty cycle correction

No duty cycle correction was added to the reading.

54.0dB $\mu$ V/m

For frequencies above 1GHz (Peak measurements).

Limit + 20dB

54.0dB $\mu$ V/m + 20 dB= 74 dB $\mu$ V/m

Explanation: See attached diagrams in appendix.



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### 3.3 Spurious emissions (tx)

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

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

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

Calculation of test results:

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

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

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

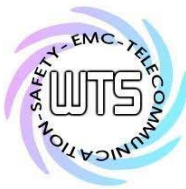
If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Marker-Delta-Method" or the „Duty-Cycle Correction Factor“.

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

Model: VST-892HD 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)
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

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



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Polarization: Vertical

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

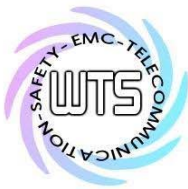
Frequency (MHz)	Reading (dBuV)		Factor (dB) Corr.	Result (dBuV/m)		Limit (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (cm)
	Peak	Ave.		Peak	Ave.	Peak	Ave.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

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

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

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





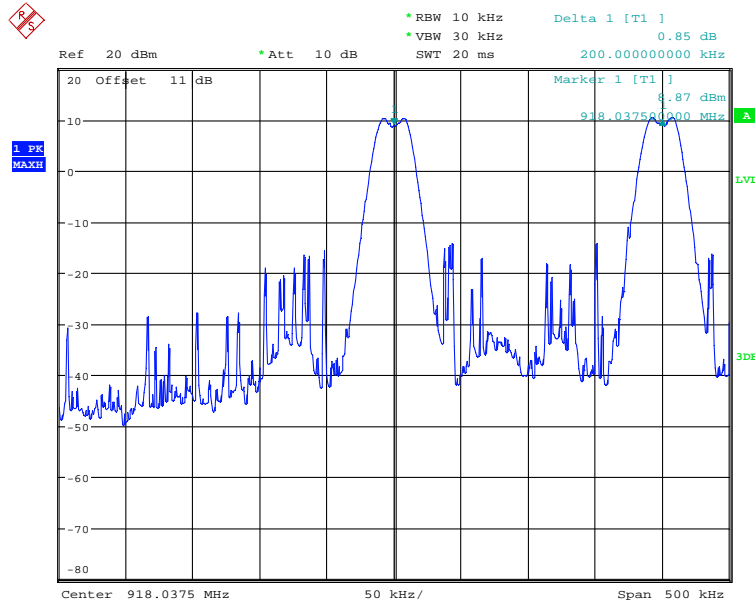
Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919

## 3.4 Carrier Frequency Separation

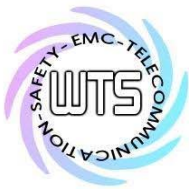
Carrier Frequency Separation was measured with modulation (declared by manufacturer).

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: May 15, 2024  
Temperature: 30.7 °C  
Humidity: 46.6 %  
Tester: Ken

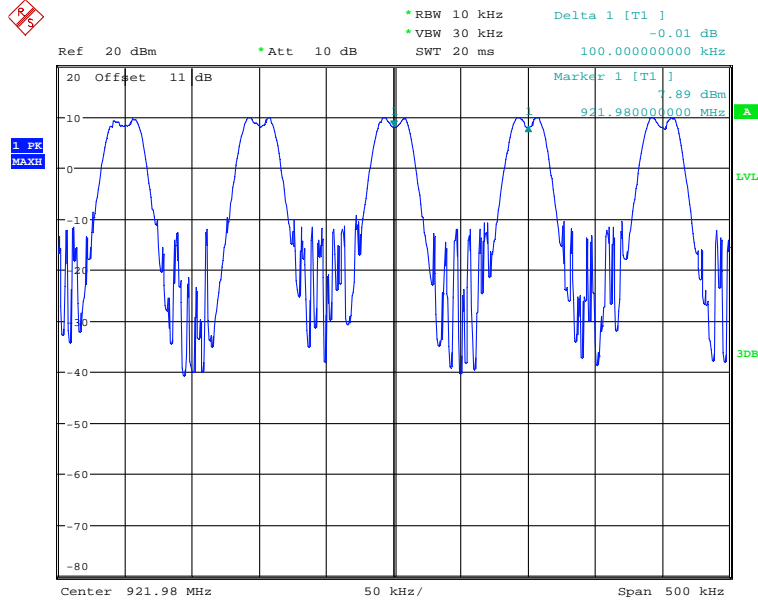


FREQUENCY SEPARATION 918.0375MHz  
Date: 15.MAY.2024 13:48:46

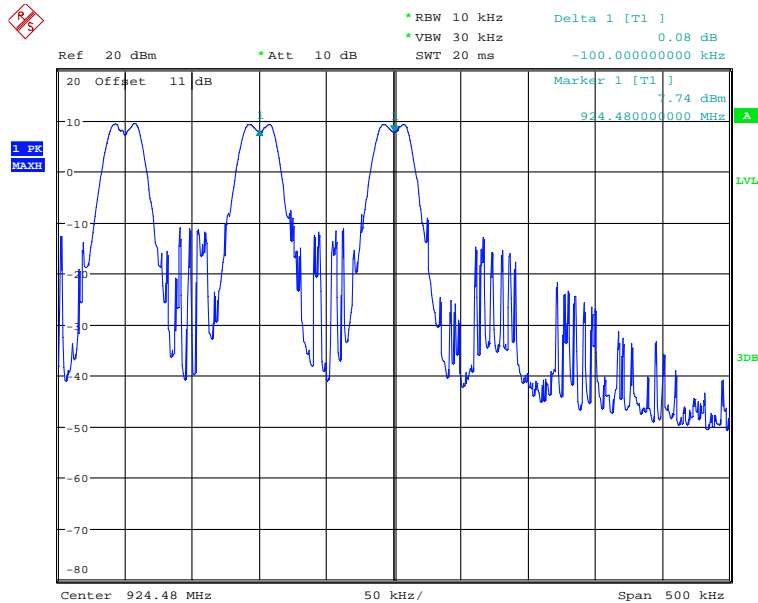


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FREQUENCY SEPARATION 921.98MHz  
Date: 15.MAY.2024 13:51:58



FREQUENCY SEPARATION 924.48MHz  
Date: 15.MAY.2024 13:54:48



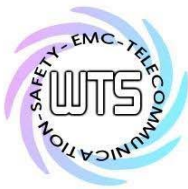
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**Limits:**

Frequency (MHz)	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



Registration number: W6M22405-23448-C-1

FCC ID: GX9892HDF1919

### 3.5 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.

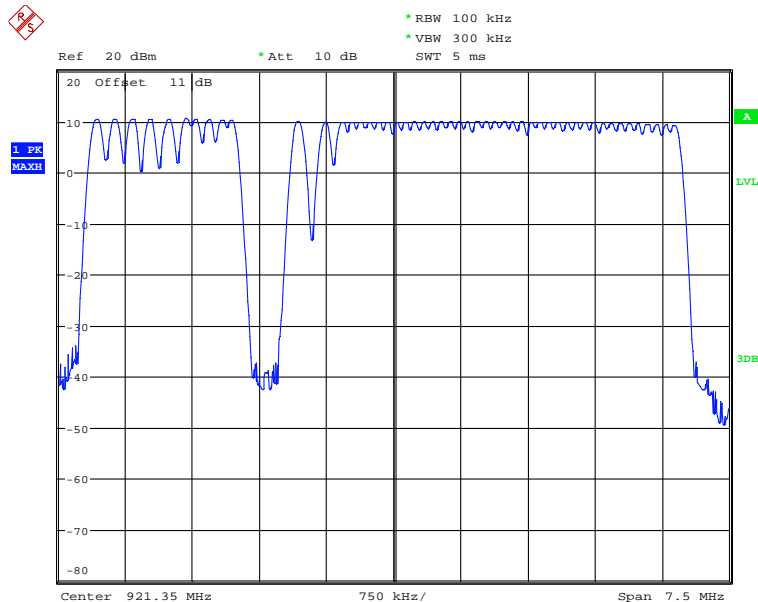
For frequency hopping systems operating in the 902-928 MHz band: if the 20dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies; if the 20dB bandwidth of the hopping channel 250 kHz or greater, the system shall use at least 25 hopping frequencies.

Test date: May 15, 2024

Temperature: 30.7 °C

Humidity: 46.6 %

Tester: Ken



NUMBER OF HOPPING  
Date: 15.MAY.2024 13:44:10



Registration number: W6M22405-23448-C-1

FCC ID: GX9892HDF1919

**Limits:**

Frequency (MHz)	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

**3.5.1 Pseudorandom Frequency Hopping Sequence**

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

**3.5.2 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.

**3.5.3 System Receiver Hopping Capability**

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



Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919

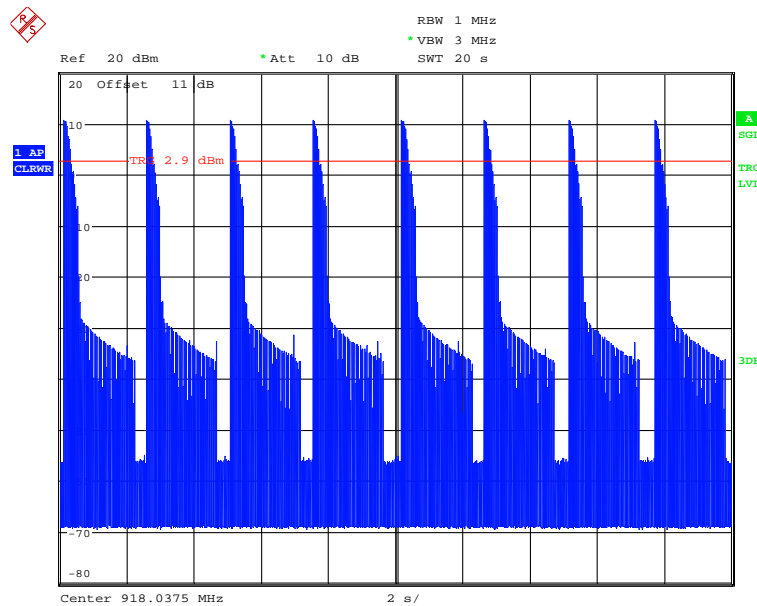
### 3.6 Time of Occupancy (Dwell Time)

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

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

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

Test date: May 15, 2024  
Temperature: 30.7 °C  
Humidity: 46.6 %  
Tester: Ken

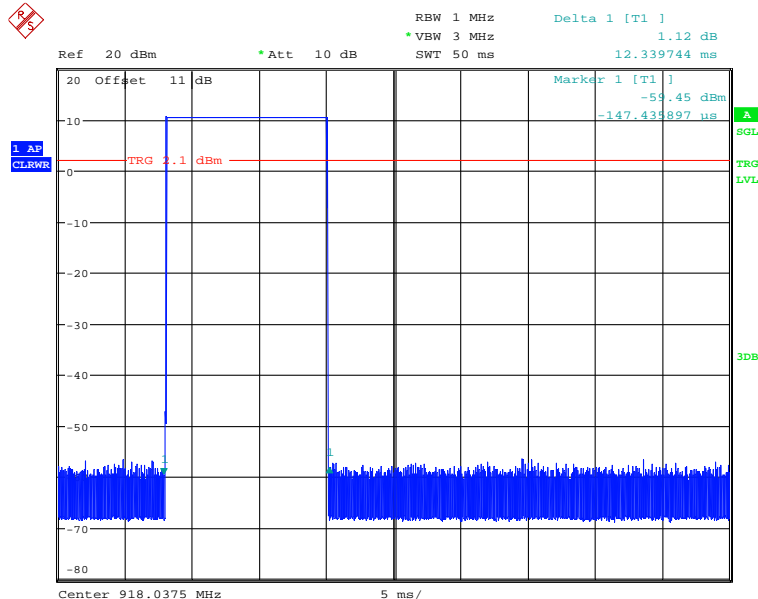


DWELL TIME 918.0375MHz  
Date: 15.MAY.2024 14:46:20

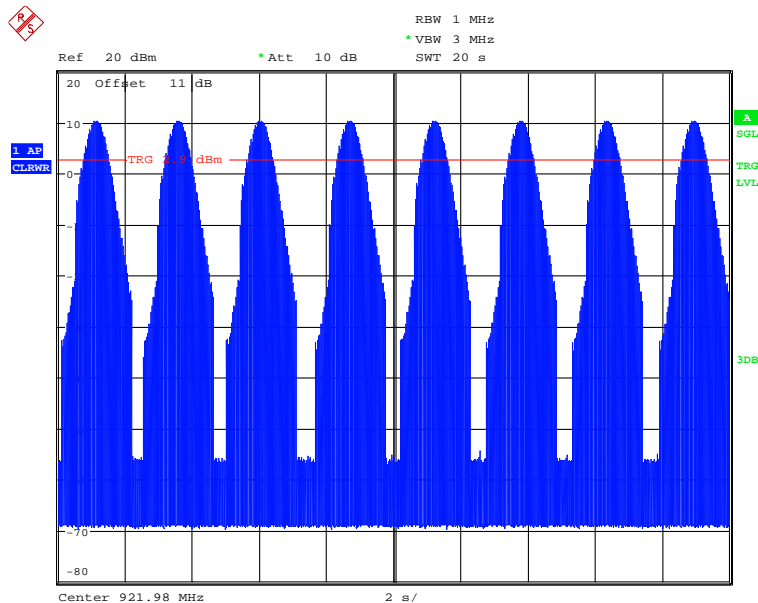


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919



DWELL TIME 918.0375MHz ( 12.339ms \* 8events = 98.712ms )  
Date: 15.MAY.2024 15:07:07

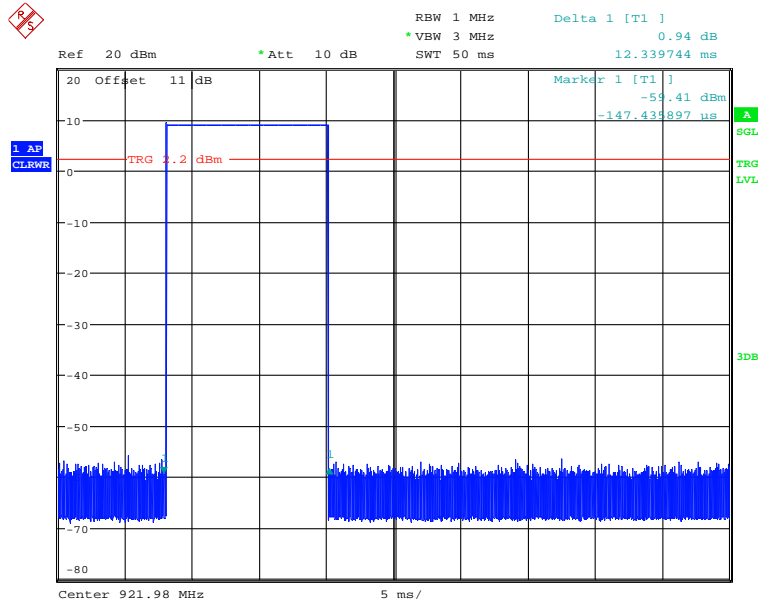


DWELL TIME 921.98MHz  
Date: 15.MAY.2024 14:49:55

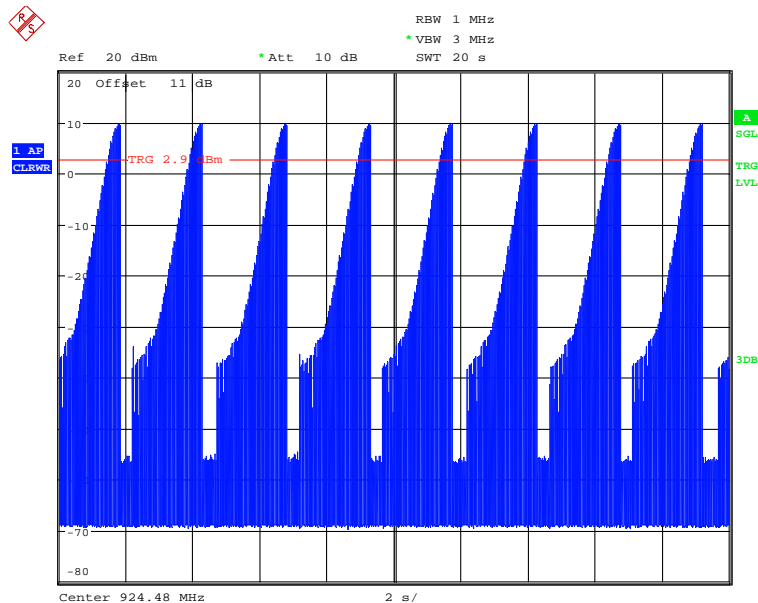


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919



DWELL TIME 921.98MHz ( 12.339ms \* 8events = 98.712ms )  
Date: 15.MAY.2024 15:10:07

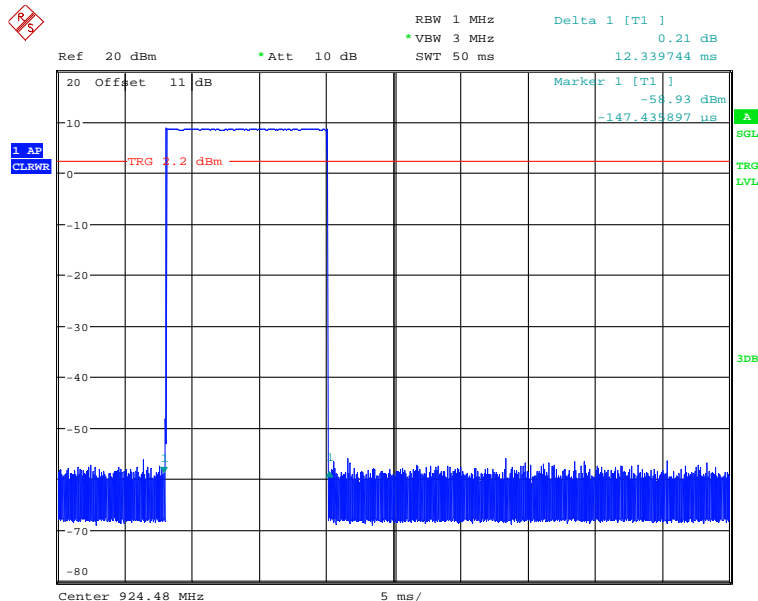


DWELL TIME 924.48MHz  
Date: 15.MAY.2024 14:52:14





Registration number: W6M22405-23448-C-1  
 FCC ID: GX9892HDF1919



DWELL TIME 924.48MHz ( 12.339ms \* 8events = 98.712ms )  
 Date: 15.MAY.2024 15:10:53

### Limits and measurement periods:

Frequency (MHz)	Number of channels	Measurement Periode	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



Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919

## 3.7 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.

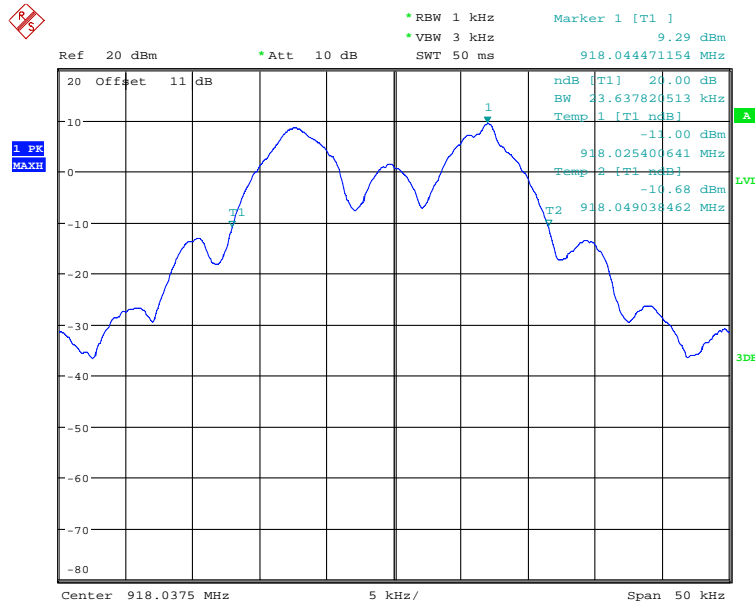
For frequency hopping systems operating in the 902-928 MHz band the maximum 20dB bandwidth of the hopping channel is 500 kHz.

Test date: May 15, 2024

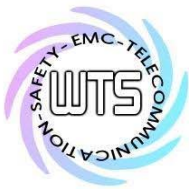
Temperature: 30.7 °C

Humidity: 46.6 %

Tester: Ken

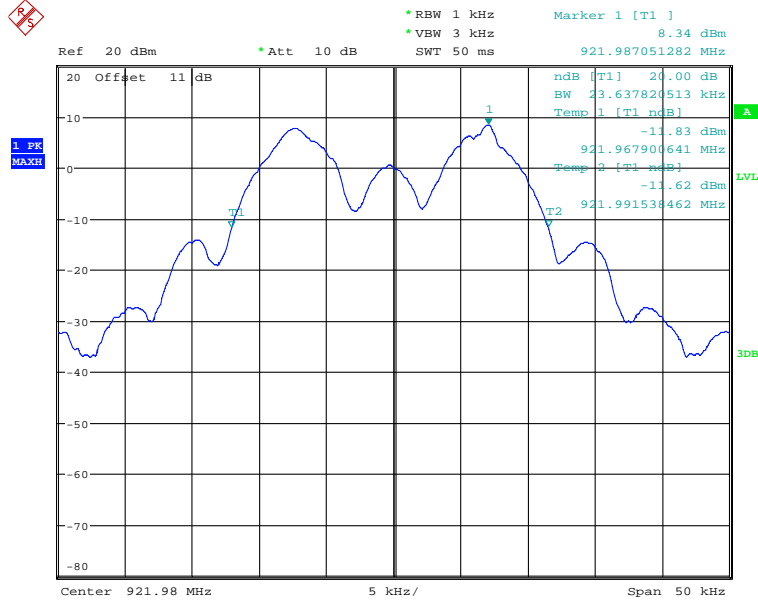


20DB BANDWIDTH 918.0375MHz  
Date: 15.MAY.2024 13:19:51

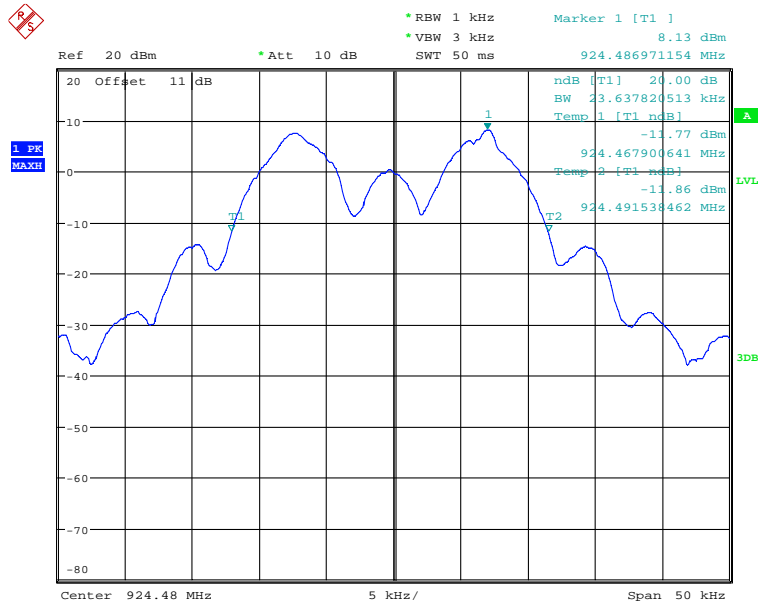


# Worldwide Testing Services(Taiwan) Co., Ltd.

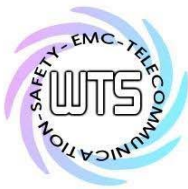
Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919



20DB BANDWIDTH 921.98MHz  
Date: 15.MAY.2024 13:21:30



20DB BANDWIDTH 924.48MHz  
Date: 15.MAY.2024 13:24:04



Registration number: W6M22405-23448-C-1

FCC ID: GX9892HDF1919

**Limits:**

Frequency (MHz)	Limit
902-928	$\leq 500$ kHz
2400-2483.5	not defined
5725-5850	$\leq 1$ MHz

**3.7.1 System Receiver Input Bandwidth**

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



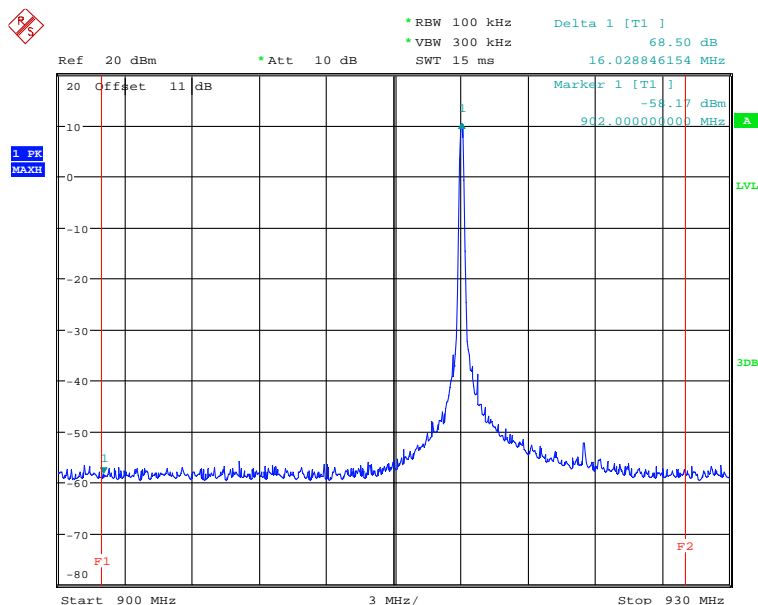
Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919

## 3.8 Band-edge Compliance of RF Emissions

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

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

Test date: May 15, 2024  
Temperature: 30.7 °C  
Humidity: 46.6 %  
Tester: Ken

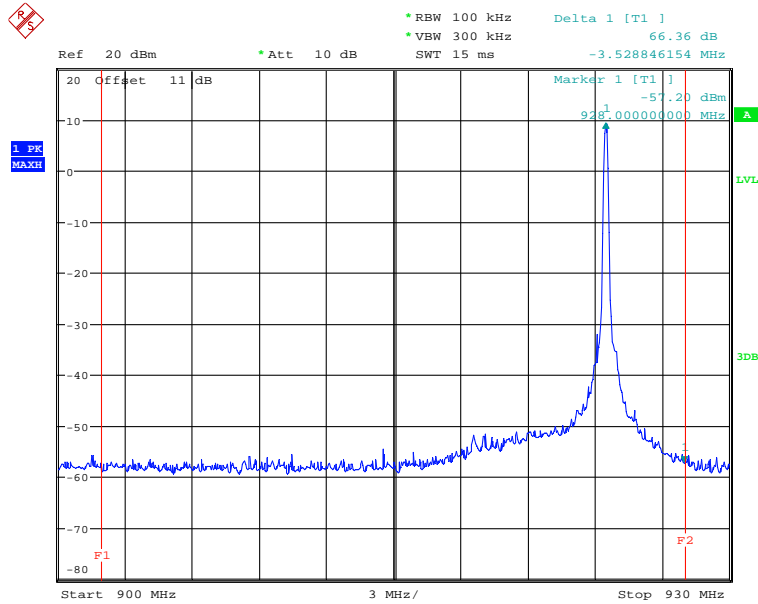


BANDEGE 918.0375MHz  
Date: 15.MAY.2024 13:29:20

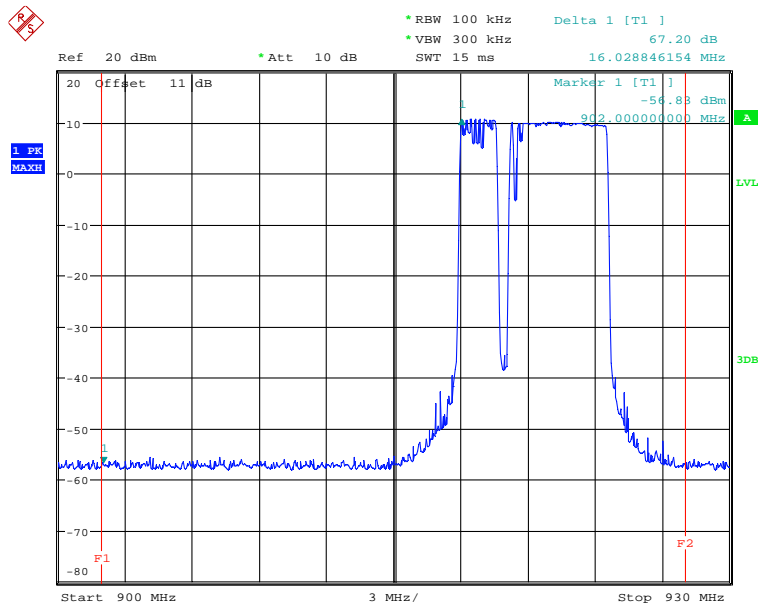


# Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919



BANDEDGE 924.48MHz  
Date: 15.MAY.2024 13:27:31

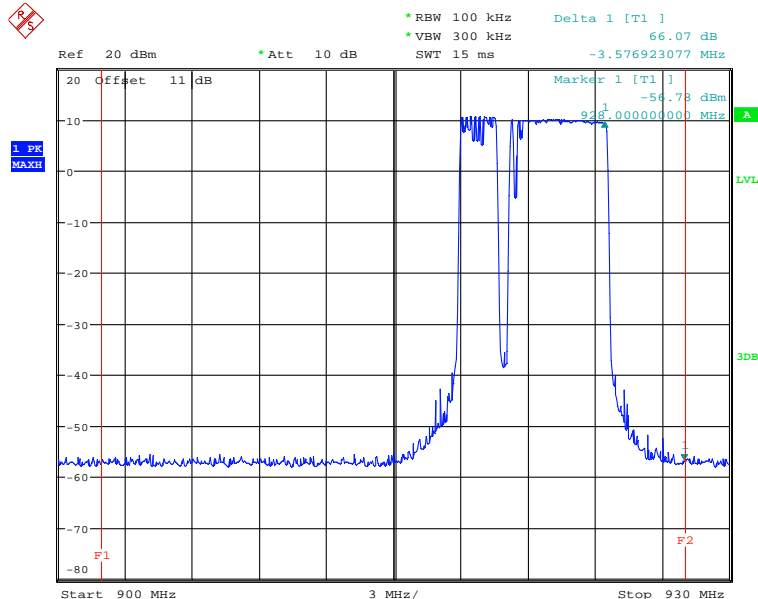


BANDEDGE 918.0375MHz HOPPING MODE  
Date: 15.MAY.2024 13:40:48



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

Registration number: W6M22405-23448-C-1  
 FCC ID: GX9892HDF1919



BANDEDGE 924.48MHz HOPPING MODE  
 Date: 15.MAY.2024 13:41:28

## Limits:

Frequency (MHz)	Limit
902 – 928	- 20 dB
2400 – 2483.5	
5725 - 5850	



Registration number: W6M22405-23448-C-1

FCC ID: GX9892HDF1919

### **3.9 Radiated Emissions from Digital Part**

FCC Rule: 15.109

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

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

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

Explanation: The test results are listed in the separated test report no.: W6M22405-23448-P-15B.





Registration number: W6M22405-23448-C-1  
 FCC ID: GX9892HDF1919

### 3.10 Power Line Conducted Emission

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

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

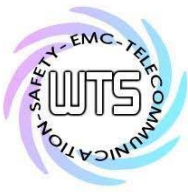
Model: VST-892HD Date: --  
 Mode: -- Temperature: -- °C Engineer: --  
 Polarization: N Humidity: -- %

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

Polarization: L1

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

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



Registration number: W6M22405-23448-C-1  
FCC ID: GX9892HDF1919

## **Appendix**

### **Measurement diagrams**

Spurious Emissions radiated



Radiated Emission Measurement

Operator: Kai

File :1

Data :#1

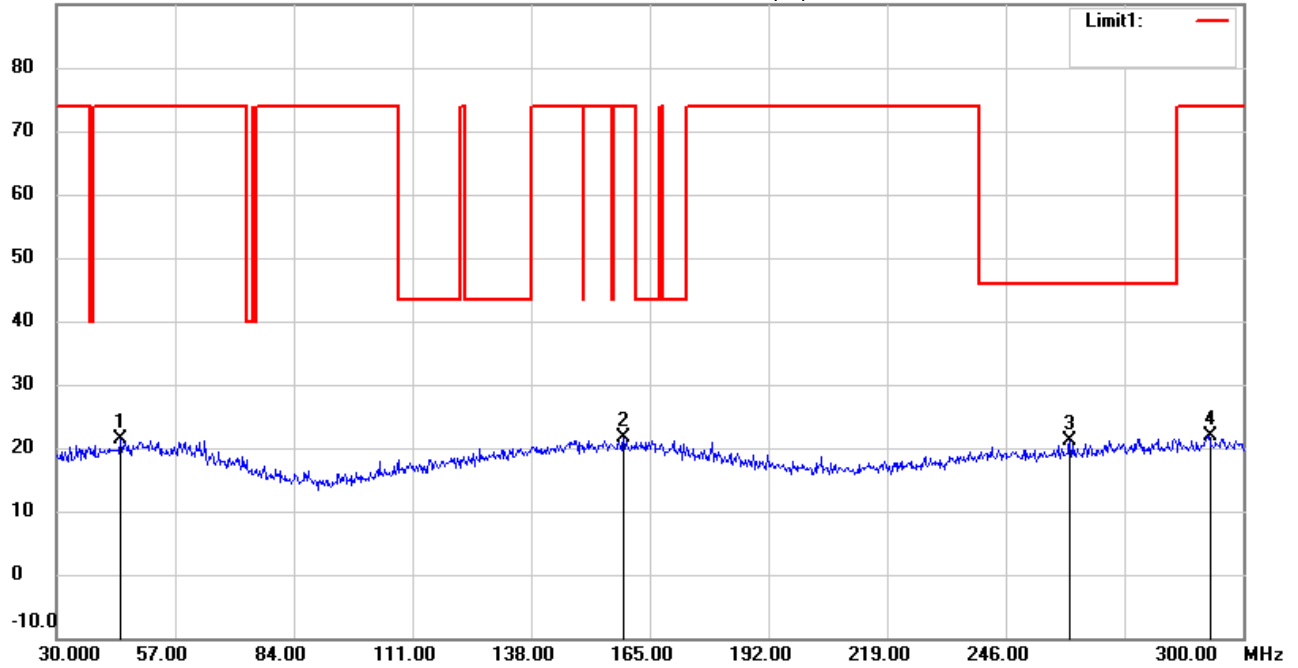
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 02:09:03

Humidity: 53.7 %



Site : 966A Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
	44.5800	34.26	peak	-12.97	21.29	74.00	100	199	-52.71	
	159.0600	33.88	peak	-12.15	21.73	74.00	100	52	-52.27	
*	260.5800	34.66	peak	-13.47	21.19	46.00	100	66	-24.81	
	292.3050	34.27	peak	-12.29	21.98	74.00	100	41	-52.02	



Radiated Emission Measurement

Operator: Kai

File :1

Data :#2

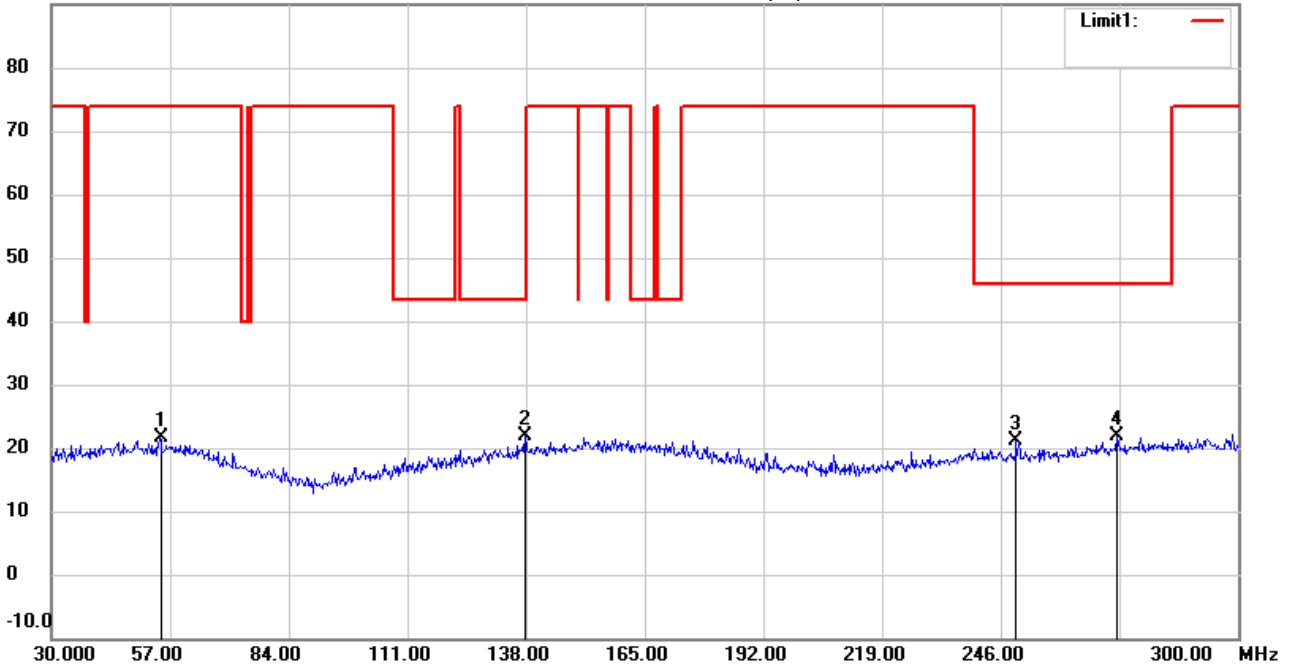
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 02:09:48

Humidity: 53.7 %



Site : 966A Chamber

Condition : FCC Restriction Band 30-300

Polarization: *Vertical*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
	54.7050	34.48	peak	-12.76	21.72	74.00	100	185	-52.28	
*	137.7300	34.78	peak	-13.02	21.76	43.50	100	96	-21.74	
	249.5100	34.97	peak	-13.82	21.15	46.00	100	14	-24.85	
	272.4600	34.91	peak	-12.91	22.00	46.00	100	169	-24.00	



Radiated Emission Measurement

Operator: Kai

File :1

Data :#3

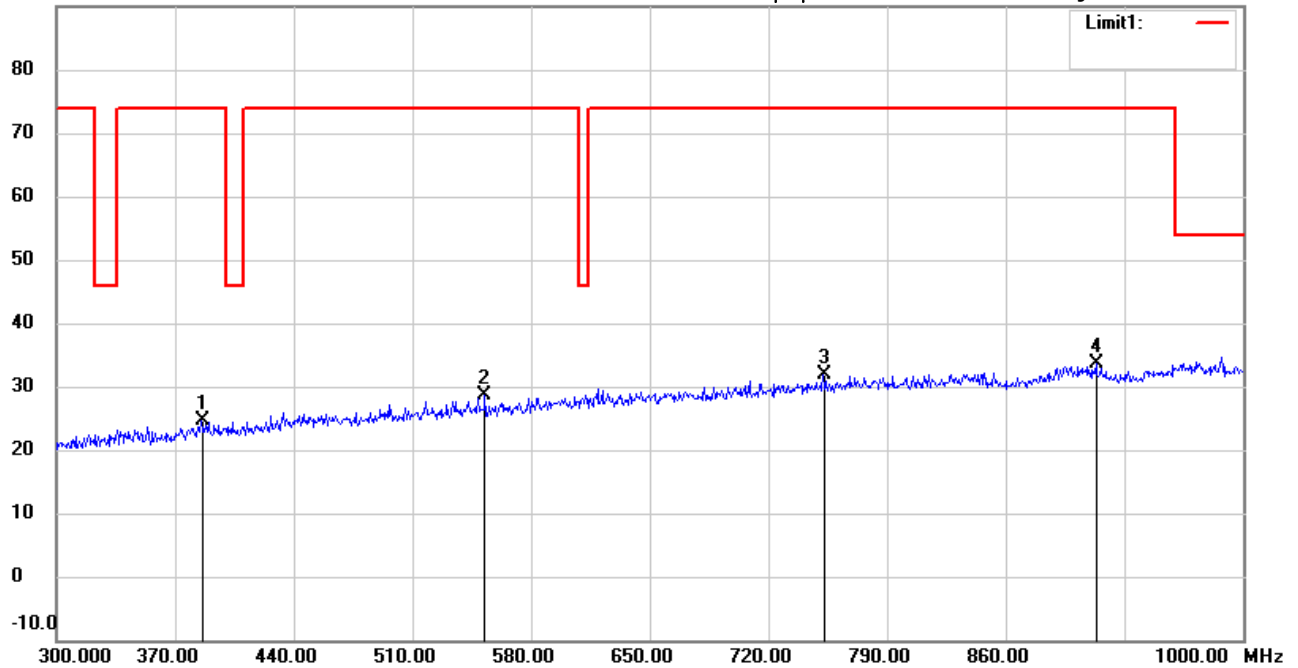
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 02:10:33

Humidity: 53.7 %



Site : 966A Chamber

Condition : FCC Restriction Band 300-1000

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
	385.7500	34.56	peak	-10.04	24.52	74.00	100	44	-49.48	
	552.7000	35.25	peak	-6.54	28.71	74.00	100	353	-45.29	
	752.5500	34.16	peak	-2.28	31.88	74.00	100	48	-42.12	
*	913.5500	34.67	peak	-1.07	33.60	74.00	100	51	-40.40	



Radiated Emission Measurement

Operator: Kai

File :1

Data :#4

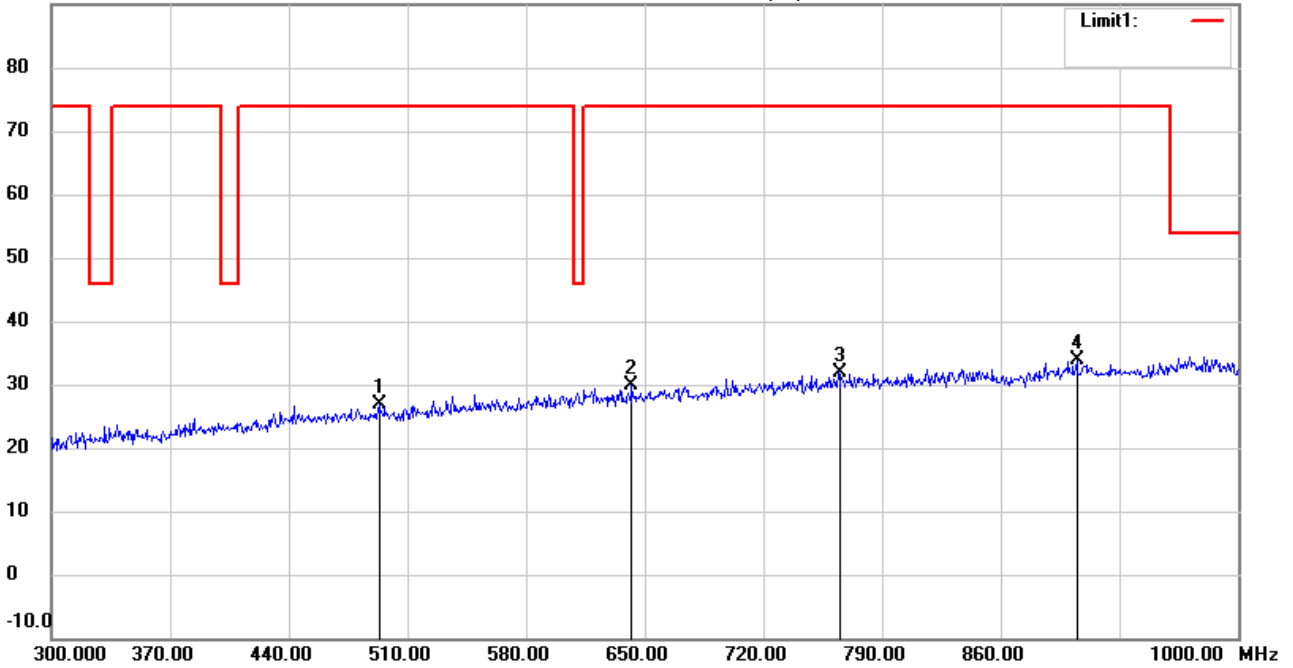
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 02:11:19

Humidity: 53.7 %



Site : 966A Chamber

Condition : FCC Restriction Band 300-1000

Polarization: **Vertical**

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
	493.5500	34.50	peak	-7.63	26.87	74.00	100	111	-47.13	
	642.3000	34.15	peak	-4.34	29.81	74.00	100	111	-44.19	
	764.4500	33.97	peak	-2.21	31.76	74.00	100	357	-42.24	
*	905.1500	34.94	peak	-1.17	33.77	74.00	100	124	-40.23	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#1

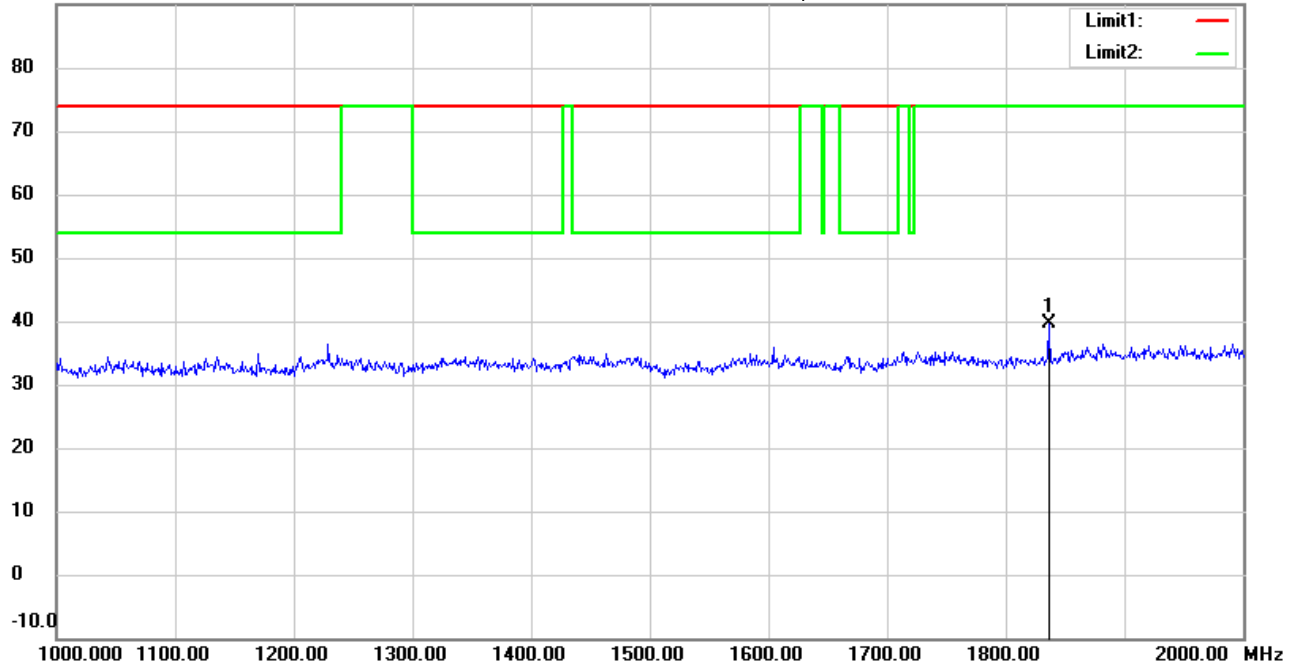
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:51:29

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
*	1836.500	47.19	peak	-7.49	39.70	74.00	150	110	-34.30	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#5

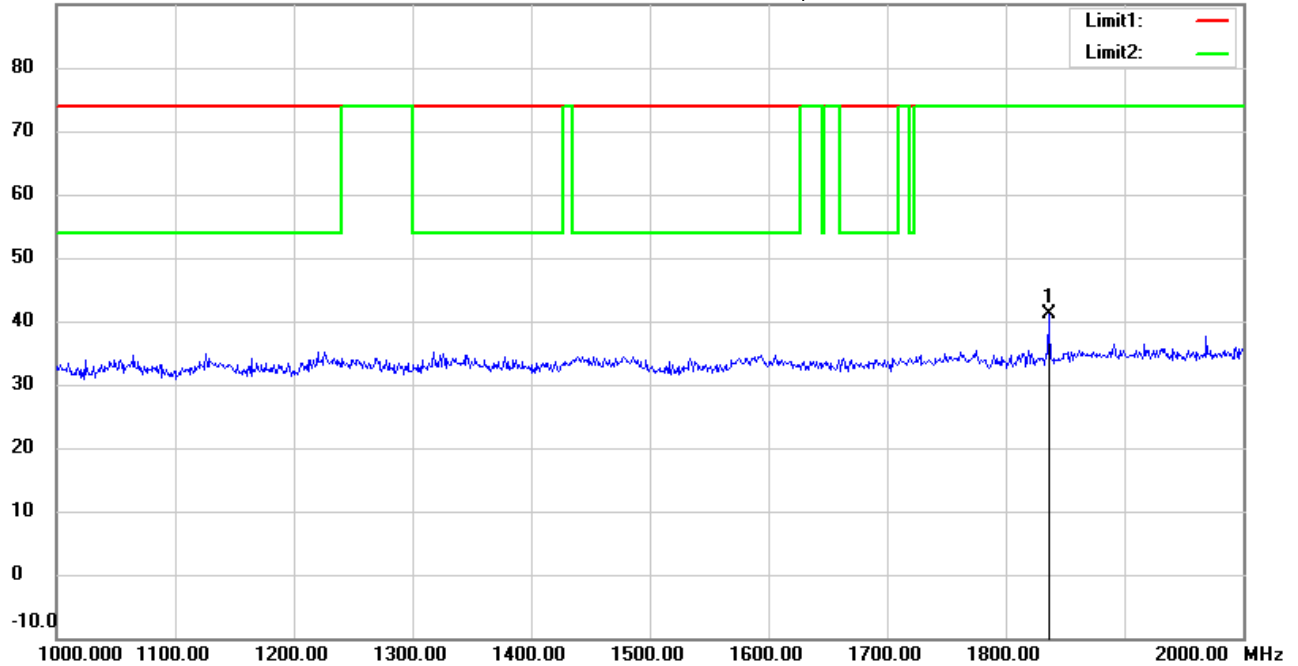
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:54:22

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Vertical*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
*	1836.500	48.71	peak	-7.49	41.22	74.00	150	25	-32.78	





Radiated Emission Measurement

Operator: Kai

File :3

Data :#2

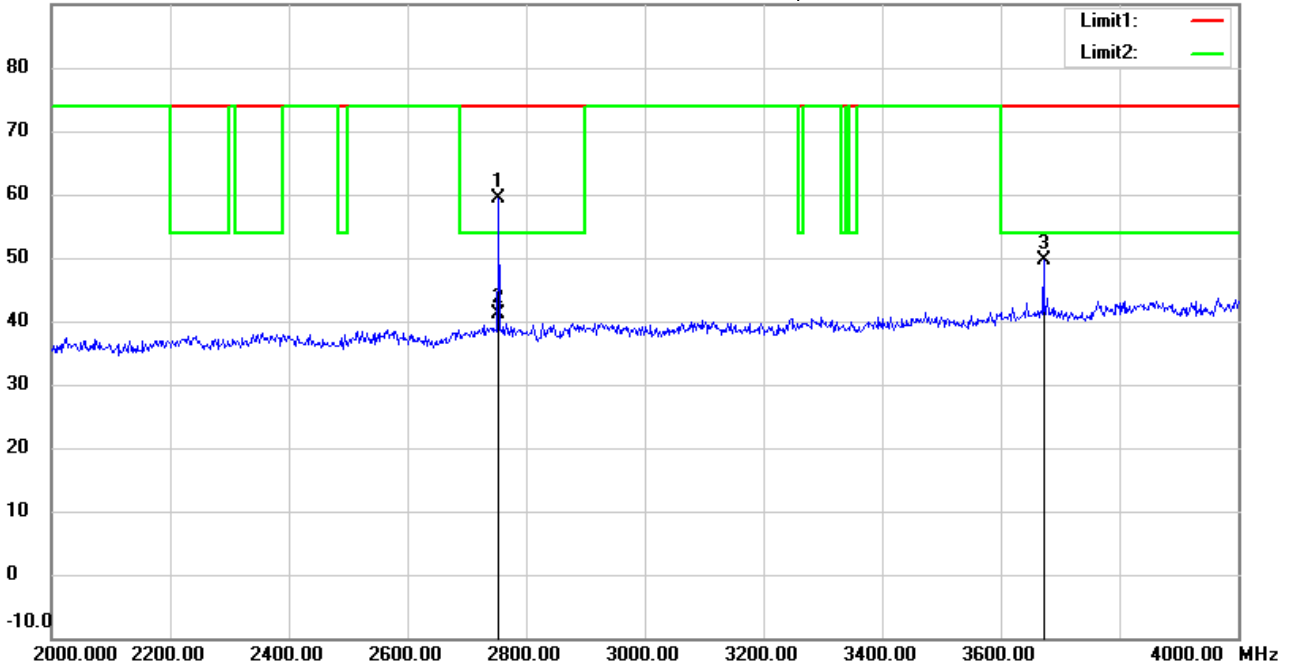
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:52:11

Humidity: 53.7 %



Site : 966A Chamber

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

EUT : W6M22405-23448

M/N:

Test Mode : TX 918.0375MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2754.000	62.91	peak	-3.64	59.27	74.00	150	241	-14.73	
*	2754.000	44.82	AVG	-3.64	41.18	54.00	150	241	-12.82	
	3673.000	50.46	peak	-0.77	49.69	74.00	150	55	-24.31	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#6

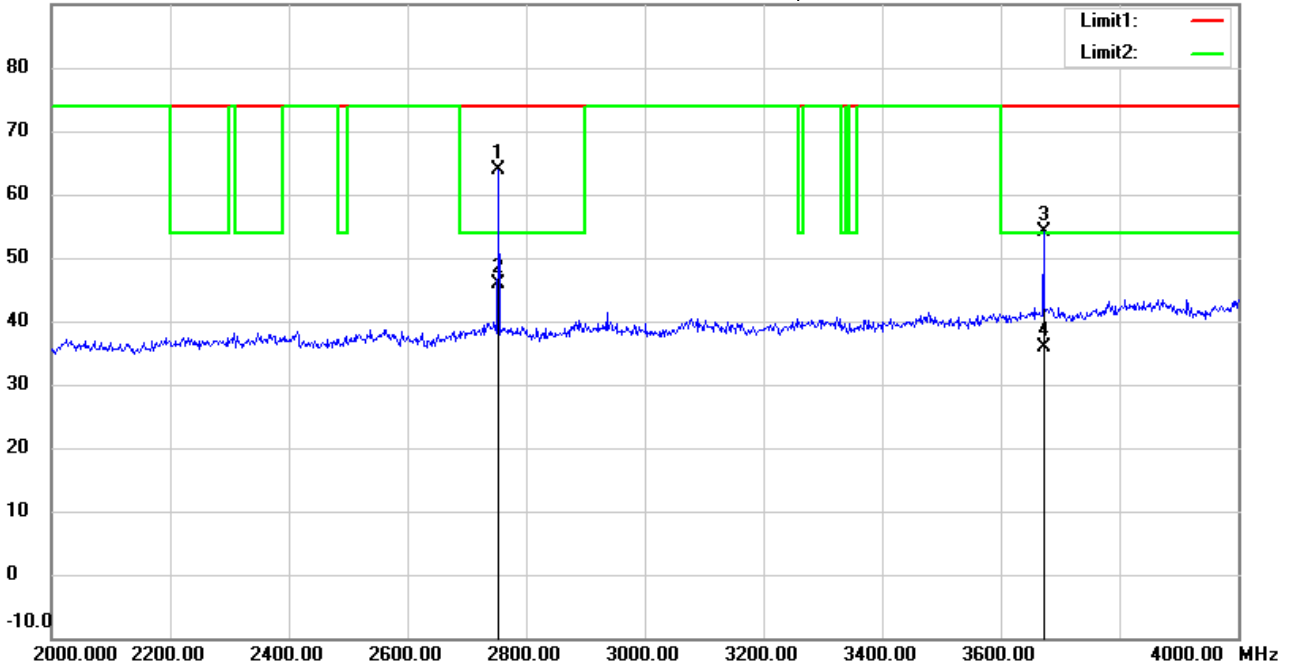
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:55:04

Humidity: 53.7 %



Site : 966A Chamber

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

EUT : W6M22405-23448

M/N:

Test Mode : TX 918.0375MHz

Note :

Polarization: *Vertical*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2754.000	67.58	peak	-3.64	63.94	74.00	150	262	-10.06	
*	2754.000	49.49	AVG	-3.64	45.85	54.00	150	262	-8.15	
	3673.000	54.84	peak	-0.77	54.07	74.00	150	210	-19.93	
	3673.000	36.75	AVG	-0.77	35.98	54.00	150	210	-18.02	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#3

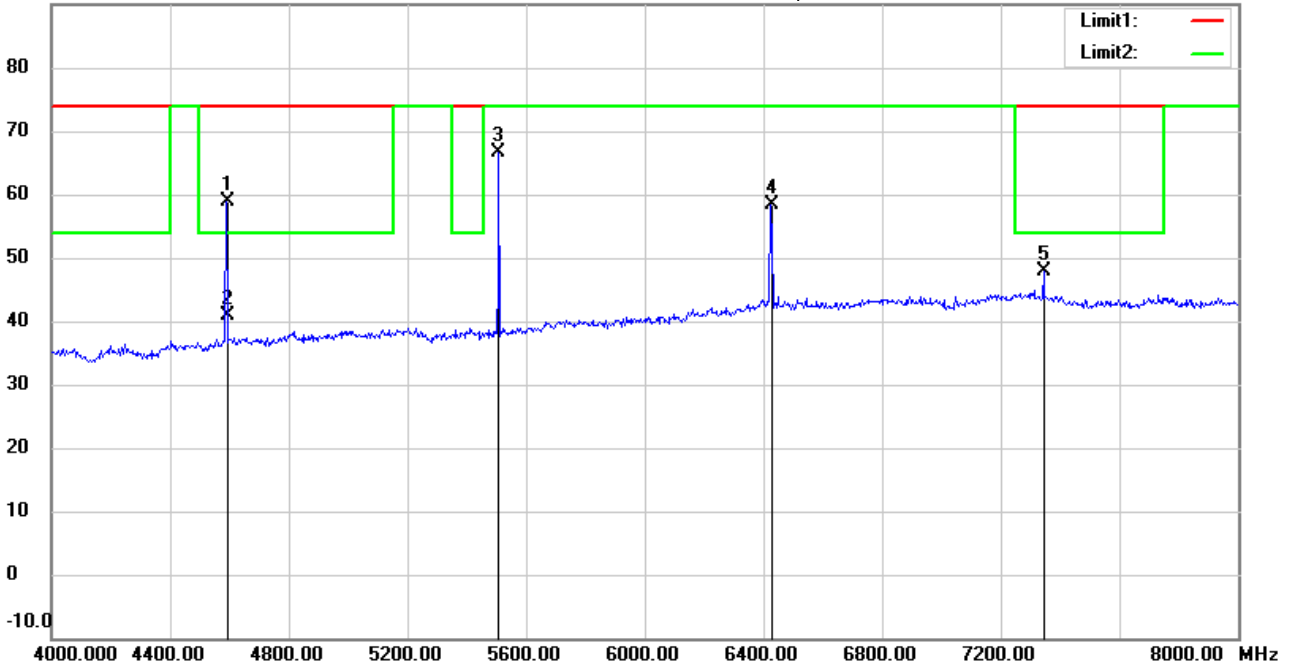
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:52:54

Humidity: 53.7 %



Site : 966A Chamber

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

EUT : W6M22405-23448

M/N:

Test Mode : TX 918.0375MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4590.000	55.72	peak	3.19	58.91	74.00	150	231	-15.09	
	4590.000	37.63	AVG	3.19	40.82	54.00	150	231	-13.18	
*	5508.000	61.56	peak	4.96	66.52	74.00	150	14	-7.48	
	6426.000	49.32	peak	9.10	58.42	74.00	150	56	-15.58	
	7346.000	37.86	peak	10.05	47.91	74.00	150	85	-26.09	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#7

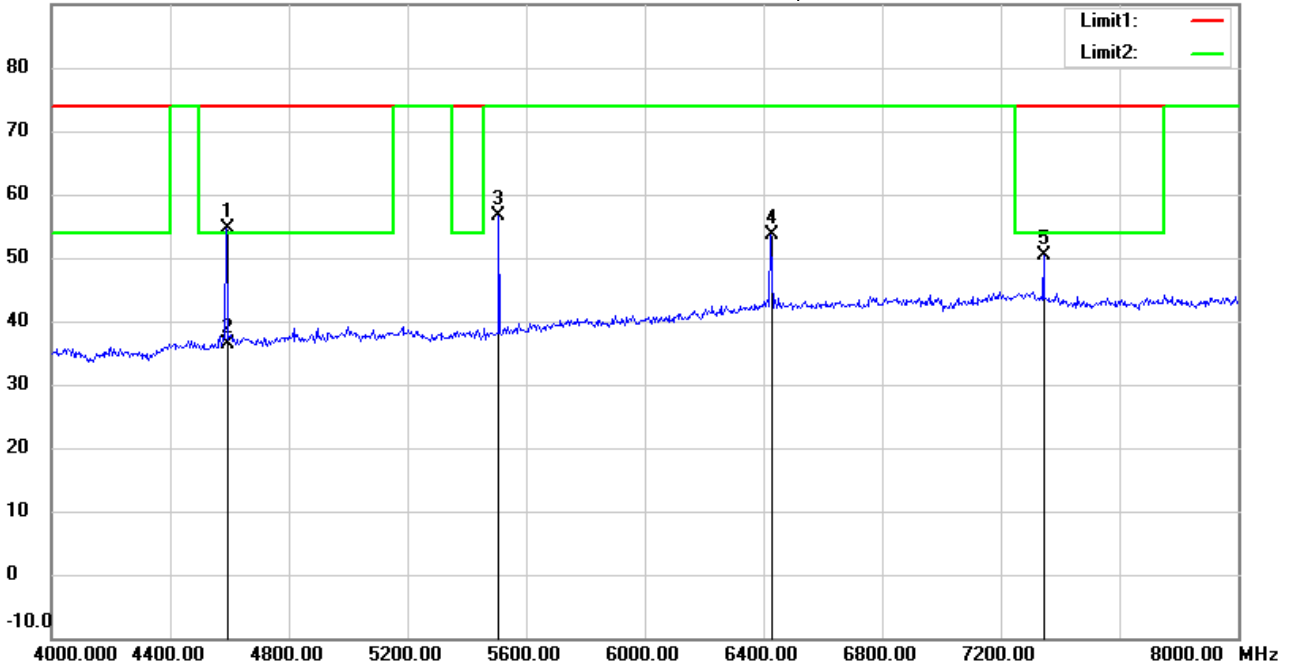
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:55:48

Humidity: 53.7 %



Site : 966A Chamber

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

EUT : W6M22405-23448

M/N:

Test Mode : TX 918.0375MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4590.000	51.34	peak	3.19	54.53	74.00	150	152	-19.47	
	4590.000	33.25	AVG	3.19	36.44	54.00	150	152	-17.56	
*	5508.000	51.71	peak	4.96	56.67	74.00	150	85	-17.33	
	6426.000	44.44	peak	9.10	53.54	74.00	150	89	-20.46	
	7346.000	40.42	peak	10.05	50.47	74.00	150	166	-23.53	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#4

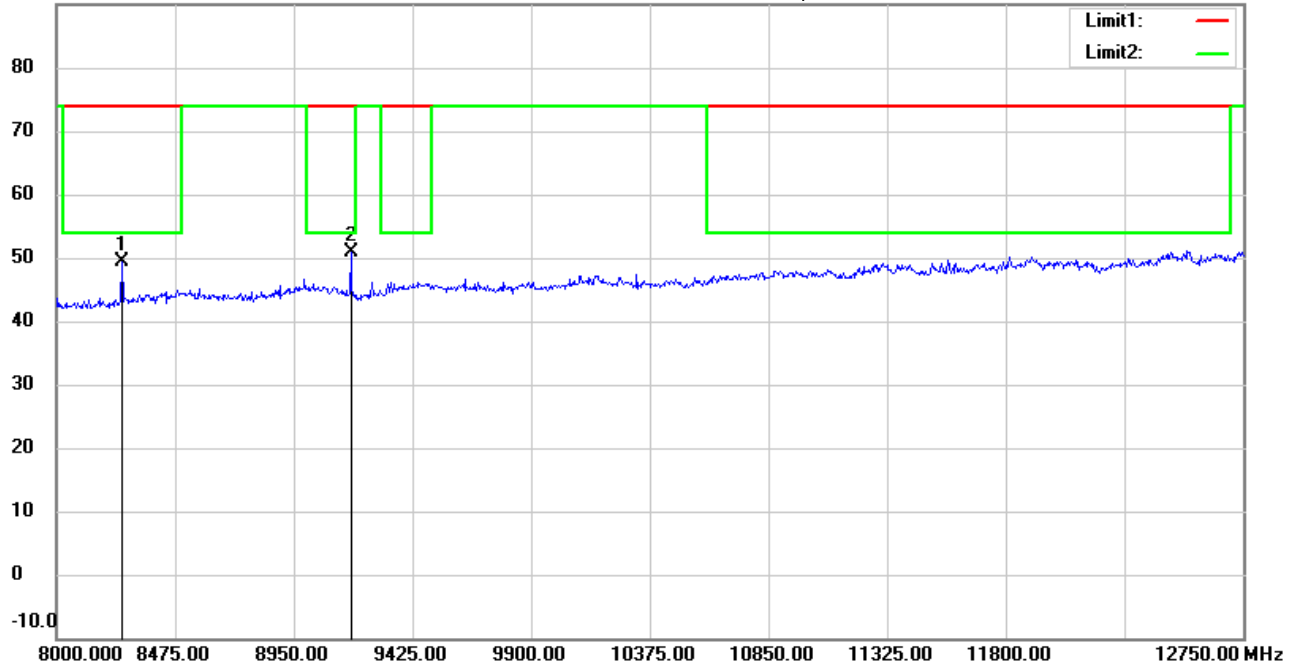
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:53:36

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
	8261.250	38.76	peak	10.54	49.30	74.00	150	229	-24.70	
*	9180.375	38.92	peak	11.88	50.80	74.00	150	125	-23.20	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#8

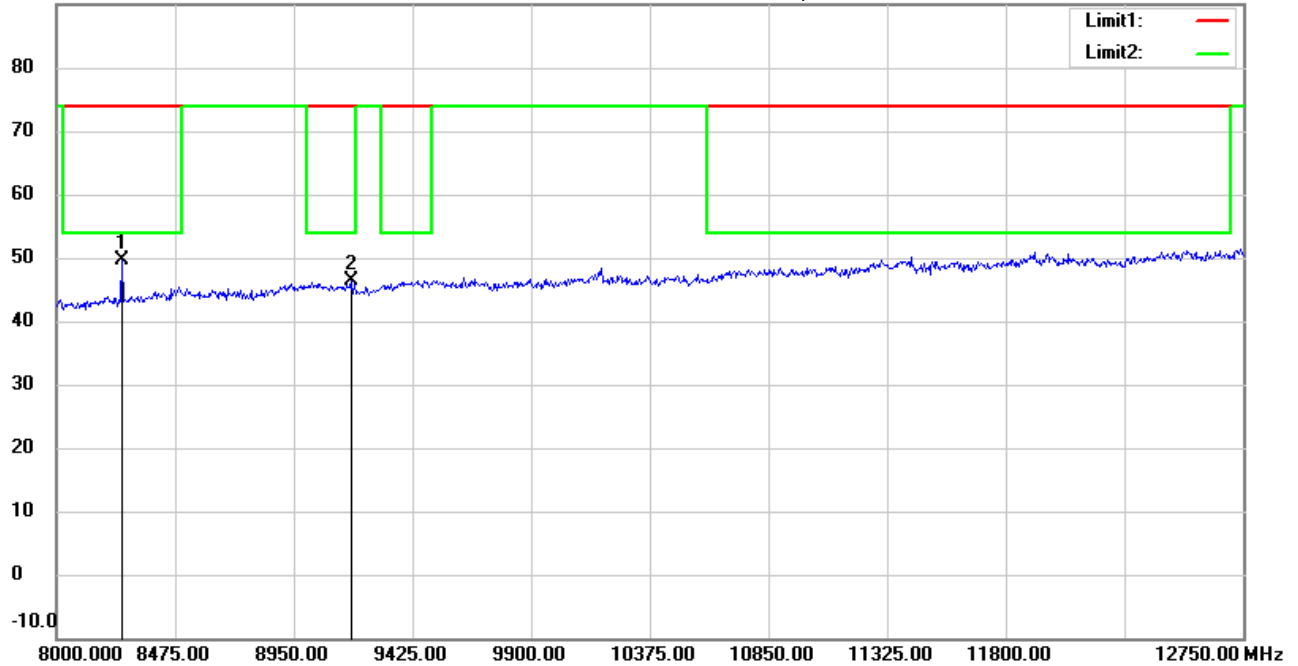
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 上午 10:56:30

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Vertical*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 918.0375MHz

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
*	8261.250	39.19	peak	10.54	49.73	74.00	150	76	-24.27	
	9180.375	34.43	peak	11.88	46.31	74.00	150	146	-27.69	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#1

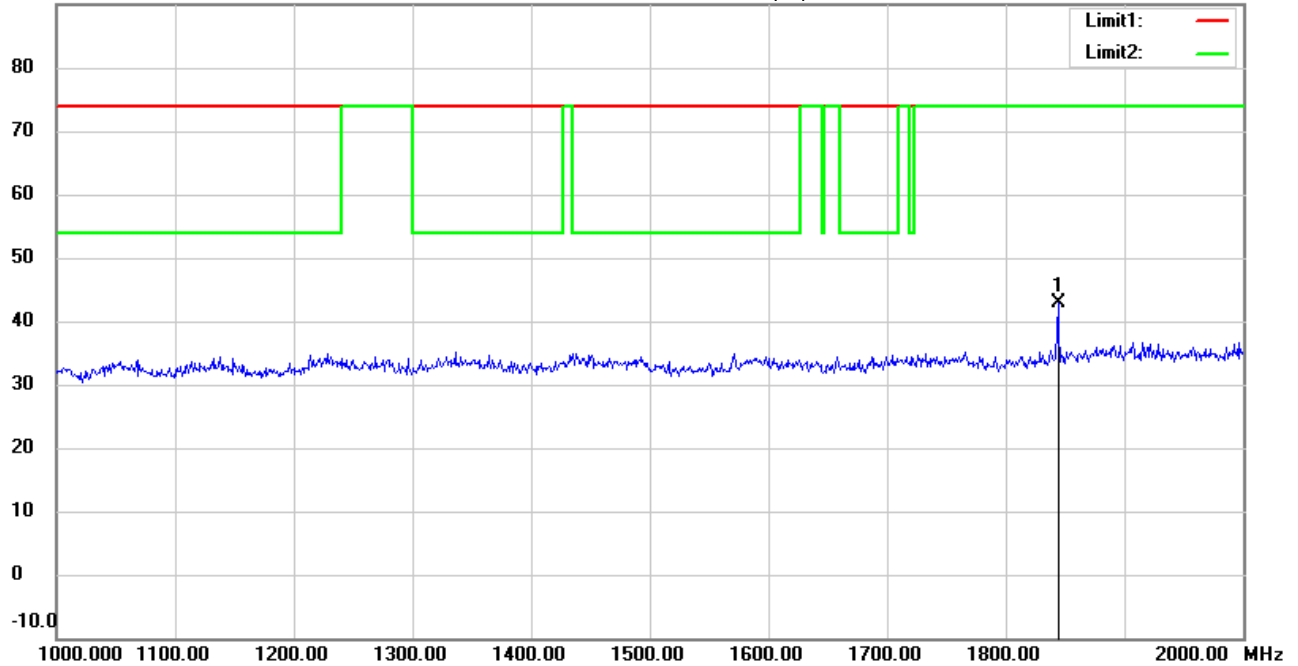
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:44:59

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 921.98MHz

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
*	1844.500	50.31	peak	-7.43	42.88	74.00	150	211	-31.12	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#5

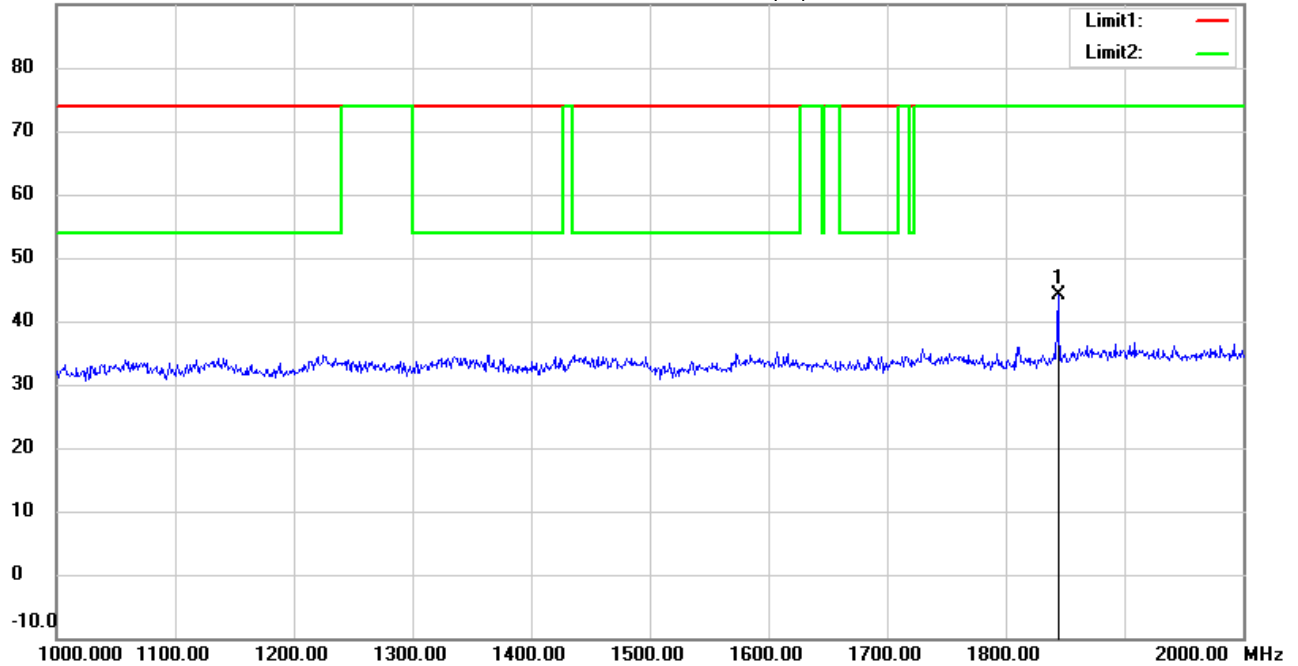
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:47:51

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Vertical*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 921.98MHz

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
*	1844.000	51.66	peak	-7.44	44.22	74.00	150	140	-29.78	





Radiated Emission Measurement

Operator: Kai

File :3

Data :#2

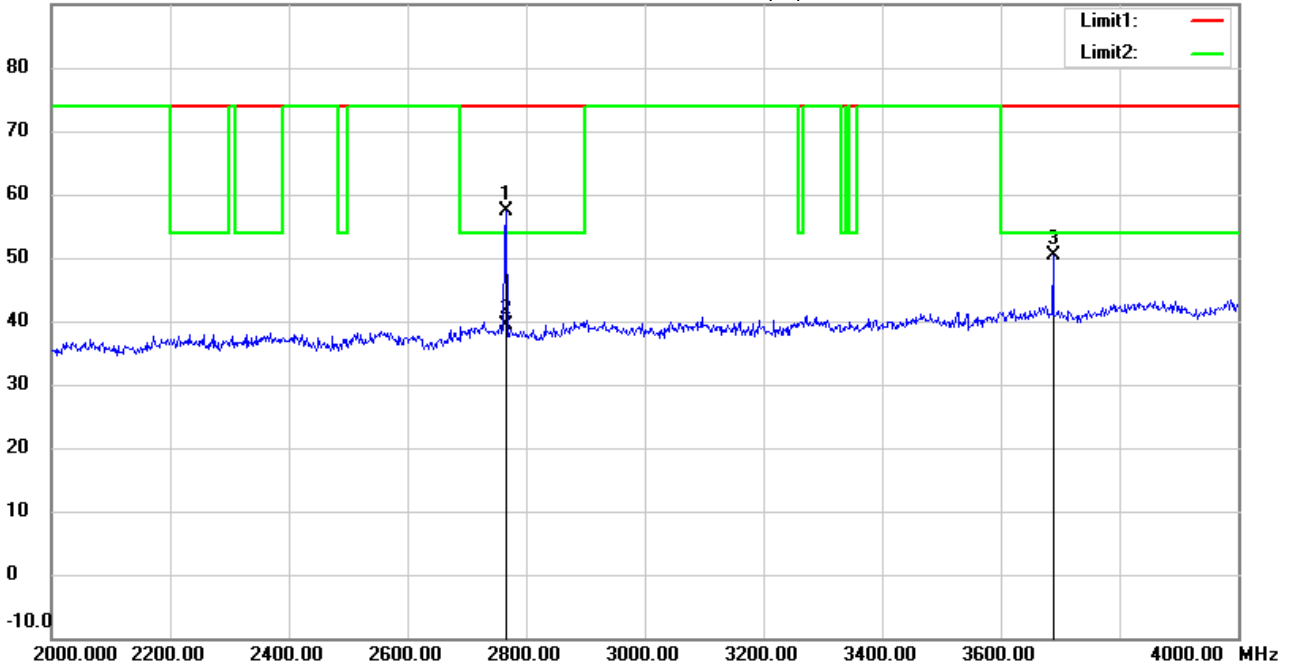
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:45:41

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 921.98MHz

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
	2766.000	60.94	peak	-3.59	57.35	74.00	150	185	-16.65	
*	2766.000	42.85	AVG	-3.59	39.26	54.00	150	185	-14.74	
	3688.000	51.02	peak	-0.69	50.33	74.00	150	210	-23.67	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#6

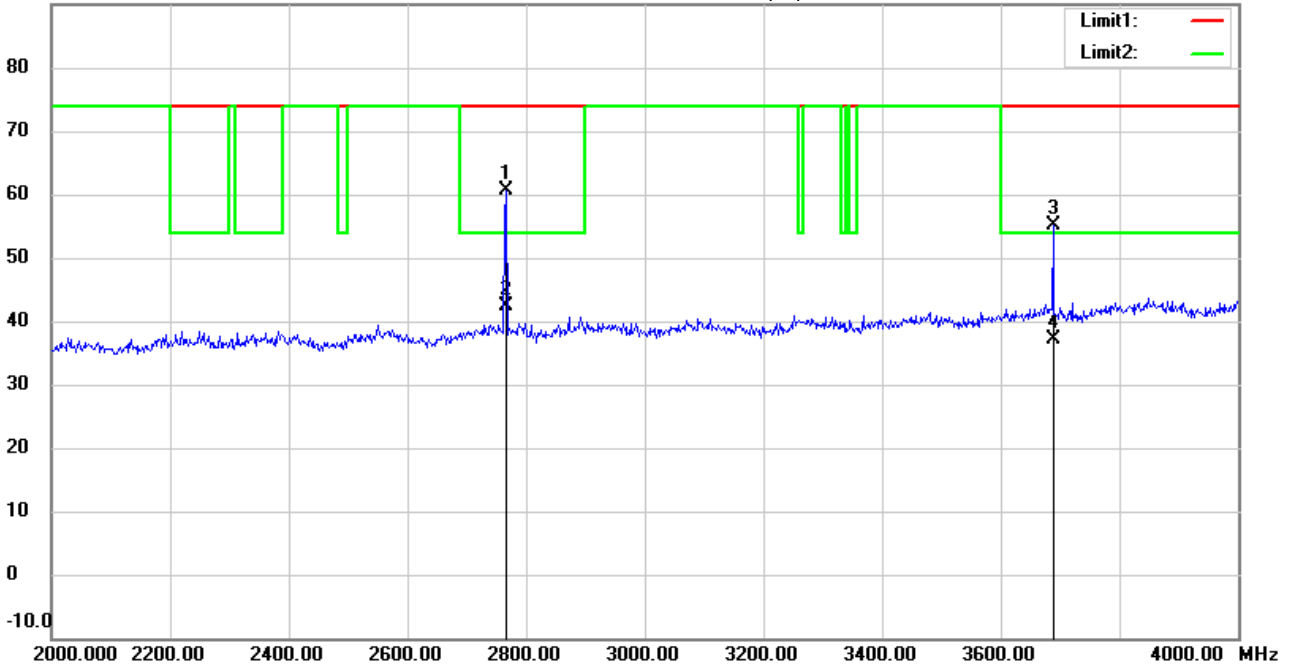
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:48:33

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: **Vertical**

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 921.98MHz

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
	2766.000	64.15	peak	-3.59	60.56	74.00	150	277	-13.44	
*	2766.000	46.06	AVG	-3.59	42.47	54.00	150	277	-11.53	
	3688.000	55.83	peak	-0.69	55.14	74.00	150	145	-18.86	
	3688.000	37.74	AVG	-0.69	37.05	54.00	150	145	-16.95	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#3

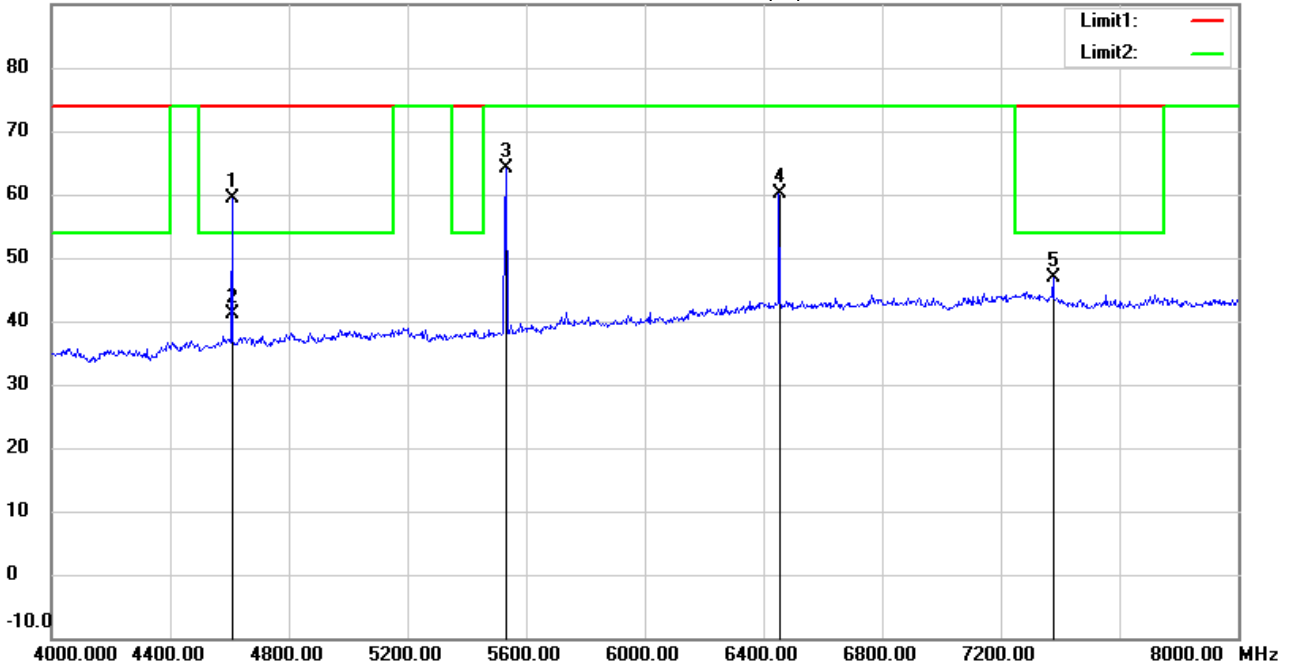
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:46:23

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 921.98MHz

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
	4610.000	56.00	peak	3.27	59.27	74.00	150	155	-14.73	
	4610.000	37.91	AVG	3.27	41.18	54.00	150	155	-12.82	
*	5532.000	59.18	peak	5.02	64.20	74.00	150	28	-9.80	
	6454.000	51.00	peak	9.09	60.09	74.00	150	266	-13.91	
	7376.000	36.85	peak	10.06	46.91	74.00	150	195	-27.09	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#7

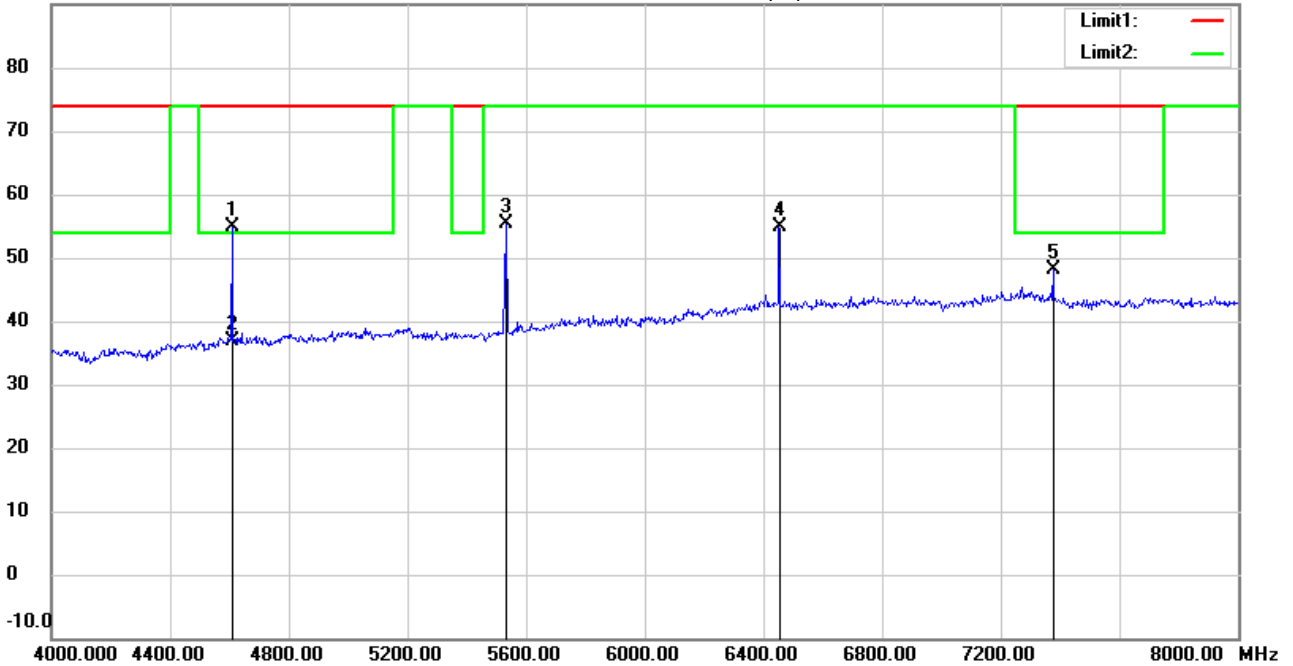
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:49:17

Humidity: 53.7 %



Site : 966A Chamber

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

EUT : W6M22405-23448

M/N:

Test Mode : TX 921.98MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4610.000	51.68	peak	3.27	54.95	74.00	150	233	-19.05	
*	4610.000	33.59	AVG	3.27	36.86	54.00	150	233	-17.14	
	5532.000	50.27	peak	5.02	55.29	74.00	150	52	-18.71	
	6454.000	45.83	peak	9.09	54.92	74.00	150	144	-19.08	
	7376.000	38.12	peak	10.06	48.18	74.00	150	102	-25.82	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#4

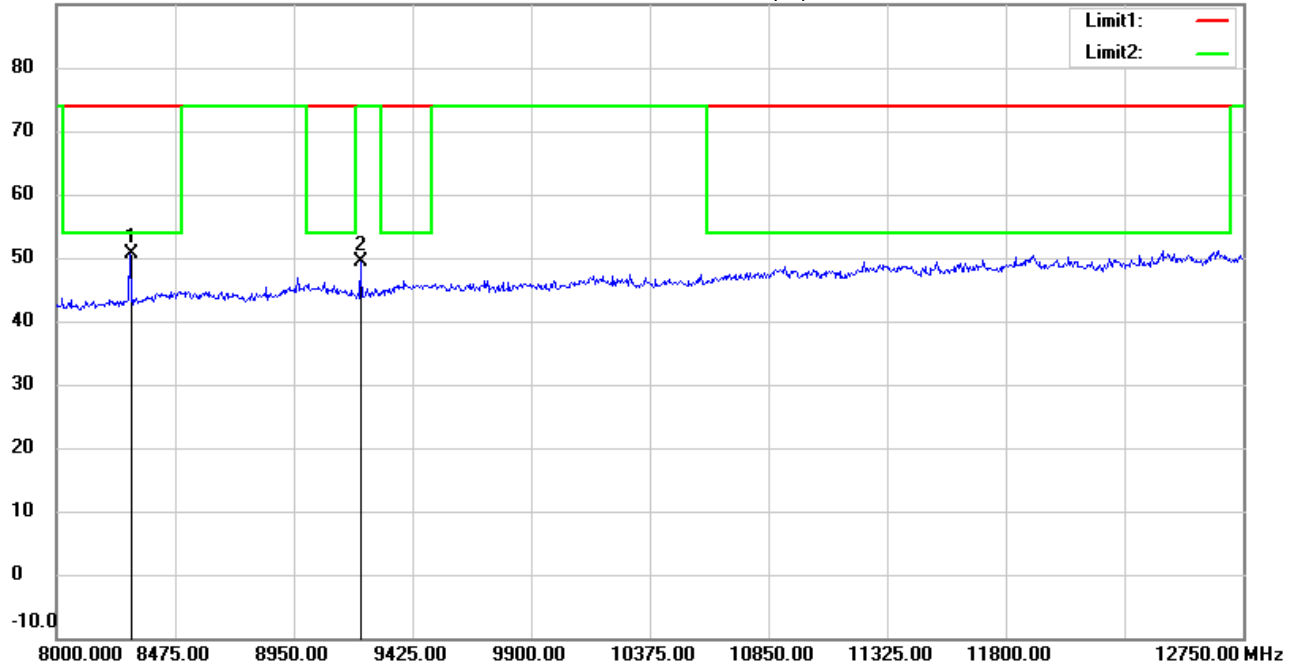
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:47:05

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 921.98MHz

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
*	8296.875	39.99	peak	10.56	50.55	74.00	150	229	-23.45	
	9218.375	37.54	peak	11.87	49.41	74.00	150	124	-24.59	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#8

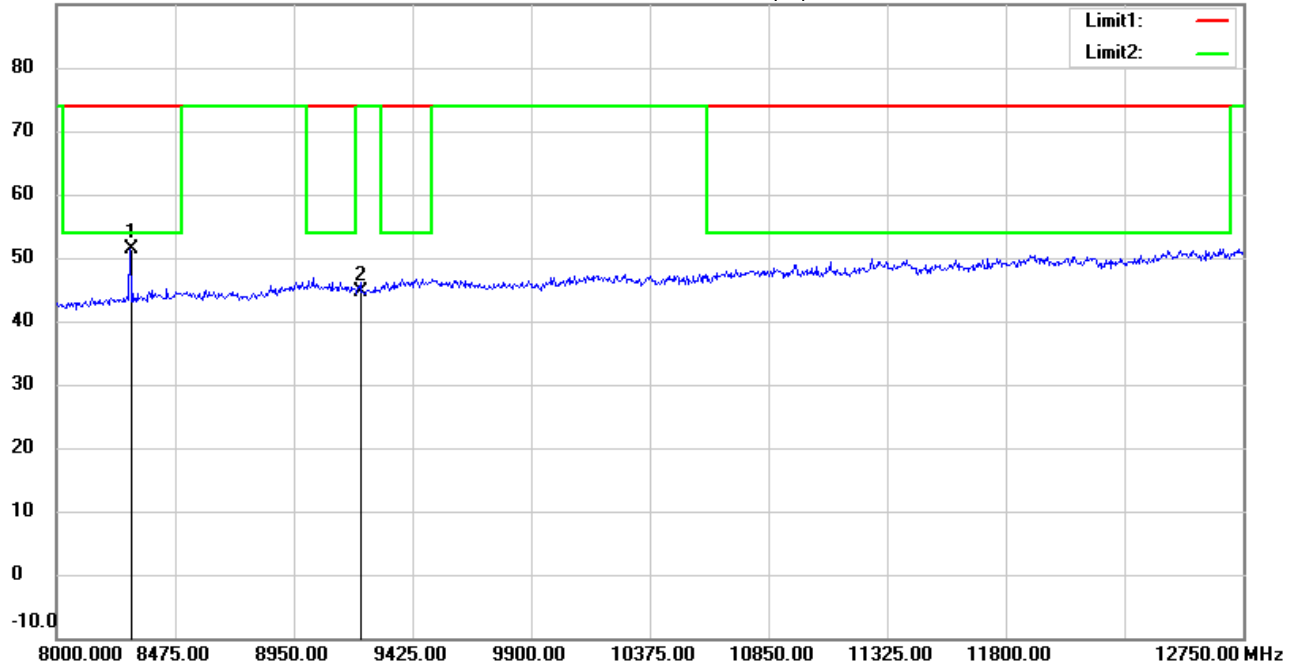
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:49:59

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: **Vertical**

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 921.98MHz

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
*	8296.875	40.89	peak	10.56	51.45	74.00	150	87	-22.55	
	9219.800	32.67	peak	11.87	44.54	74.00	150	39	-29.46	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#1

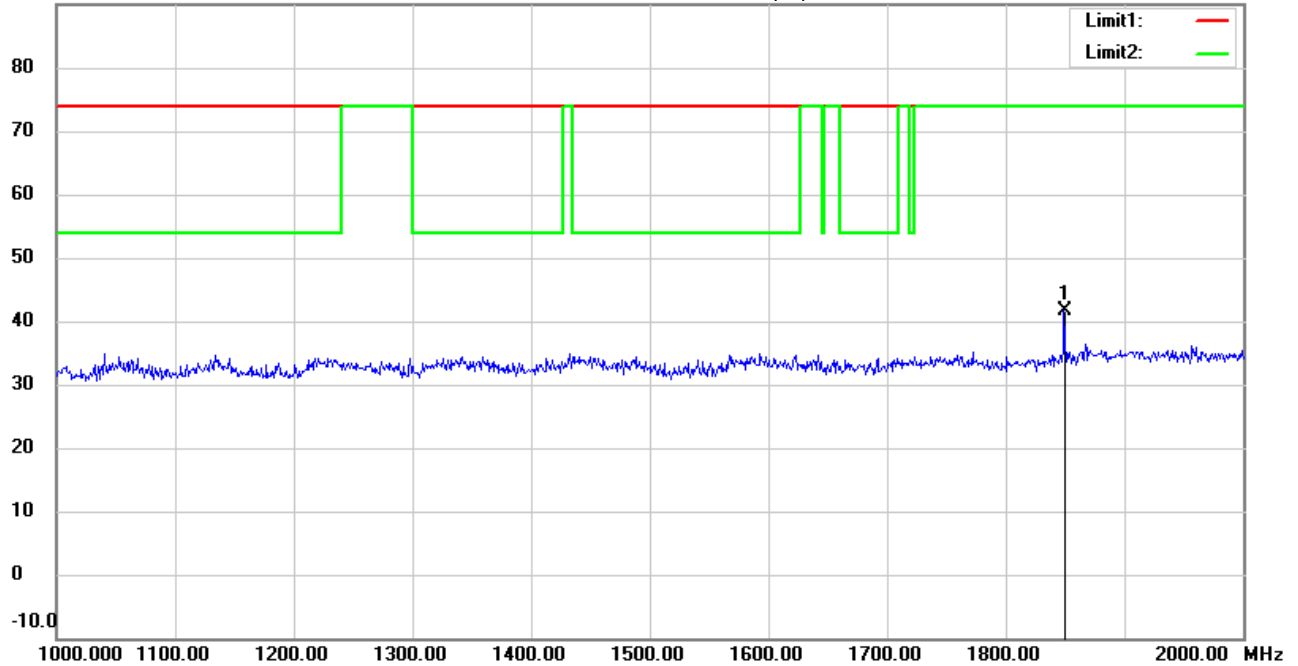
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:56:54

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 924.48MHz

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
*	1849.500	48.98	peak	-7.40	41.58	74.00	150	188	-32.42	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#5

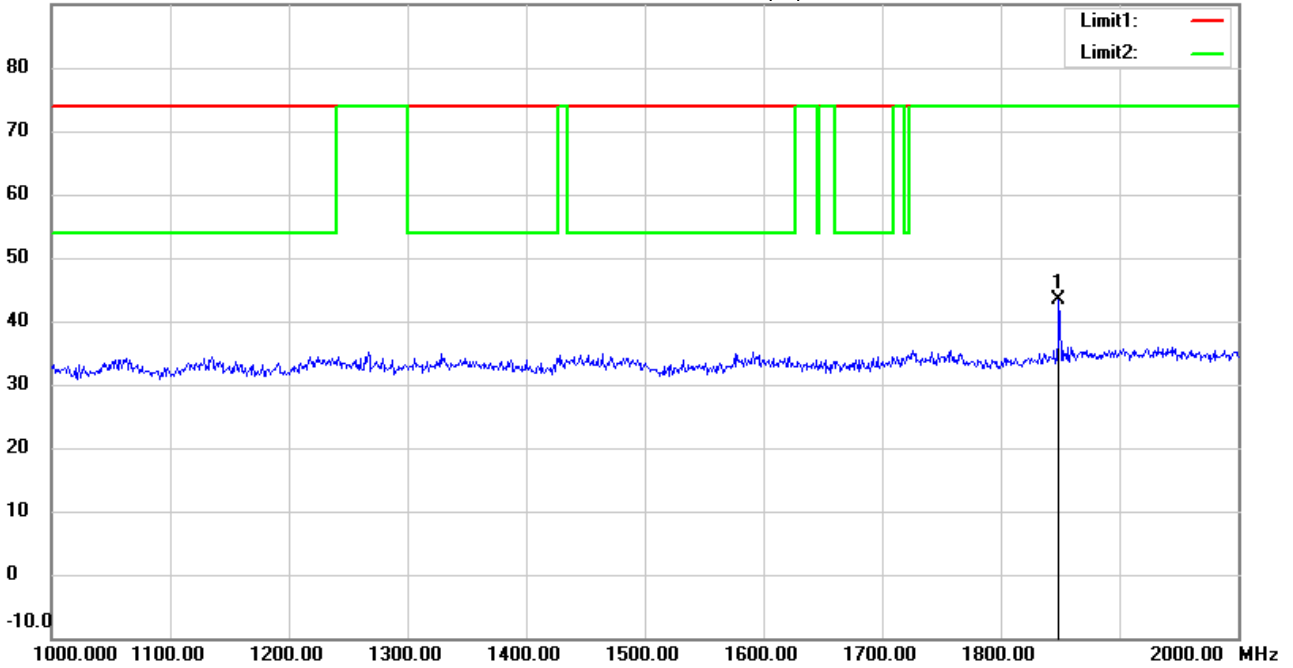
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:59:46

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: **Vertical**

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 924.48MHz

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
*	1849.000	50.78	peak	-7.40	43.38	74.00	150	52	-30.62	





Radiated Emission Measurement

Operator: Kai

File :3

Data :#2

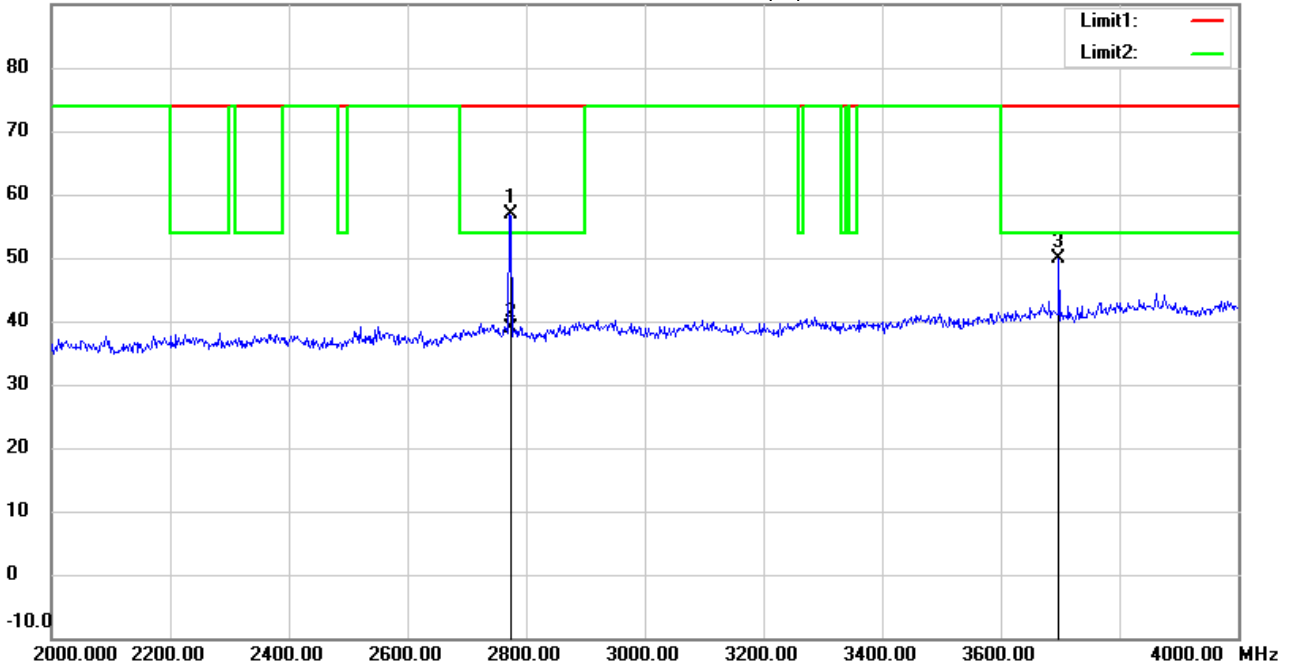
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:57:35

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 924.48MHz

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
	2773.000	60.54	peak	-3.56	56.98	74.00	150	136	-17.02	
*	2773.000	42.45	AVG	-3.56	38.89	54.00	150	136	-15.11	
	3698.000	50.58	peak	-0.64	49.94	74.00	150	95	-24.06	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#6

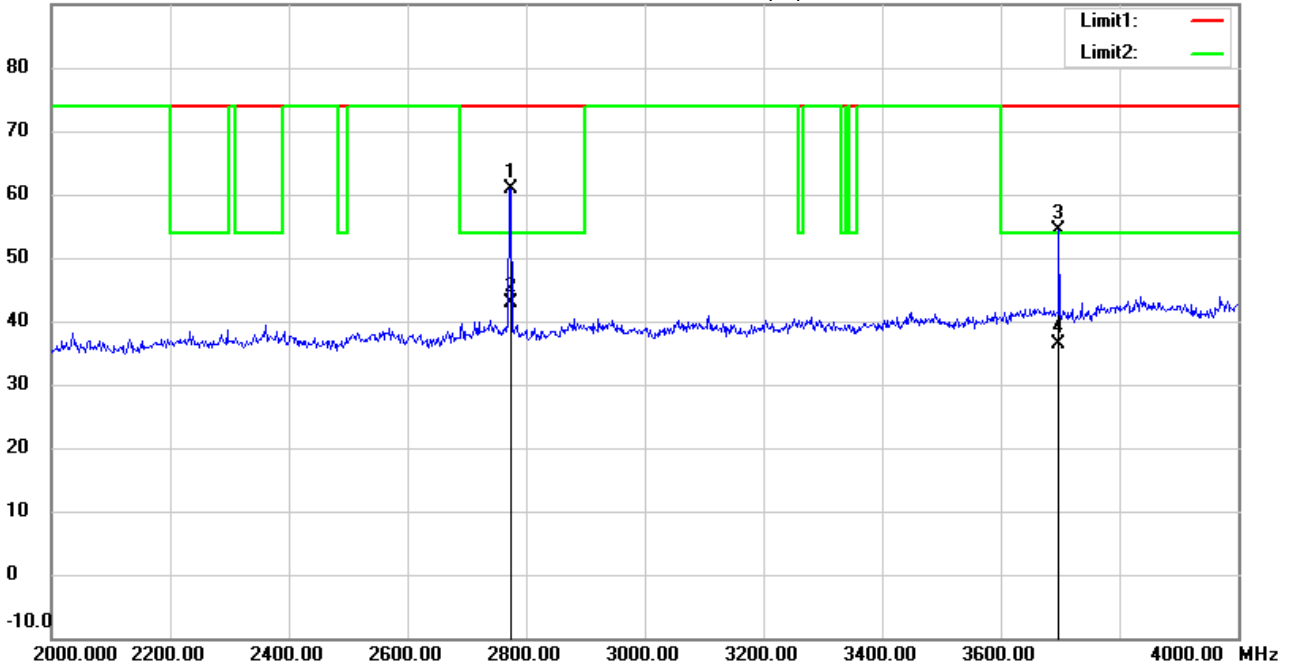
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 02:00:29

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Vertical*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 924.48MHz

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
	2773.000	64.45	peak	-3.56	60.89	74.00	150	155	-13.11	
*	2773.000	46.36	AVG	-3.56	42.80	54.00	150	155	-11.20	
	3698.000	55.01	peak	-0.64	54.37	74.00	150	82	-19.63	
	3698.000	36.92	AVG	-0.64	36.28	54.00	150	82	-17.72	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#3

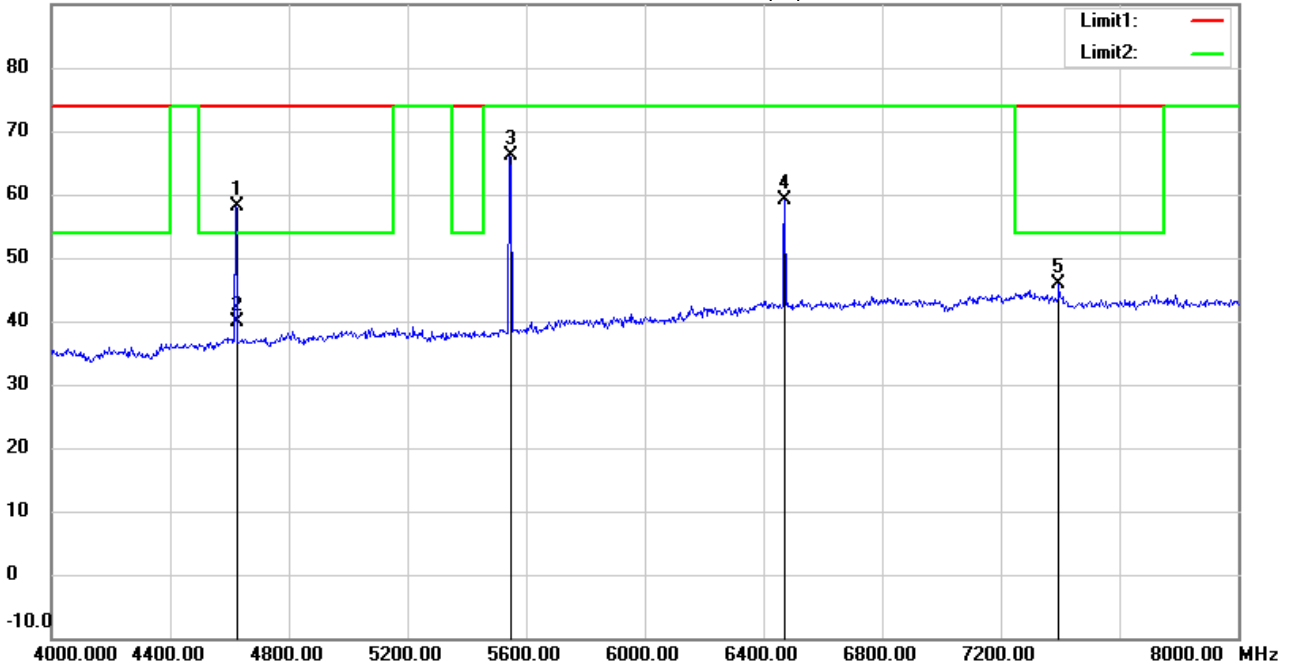
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:58:18

Humidity: 53.7 %



Site : 966A Chamber

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

EUT : W6M22405-23448

M/N:

Test Mode : TX 924.48MHz

Note :

Polarization: *Horizontal*

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4622.000	54.75	peak	3.29	58.04	74.00	150	116	-15.96	
	4622.000	36.66	AVG	3.29	39.95	54.00	150	116	-14.05	
*	5546.000	61.13	peak	5.06	66.19	74.00	150	85	-7.81	
	6472.000	49.98	peak	9.08	59.06	74.00	150	196	-14.94	
	7396.000	35.74	peak	10.07	45.81	74.00	150	57	-28.19	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#7

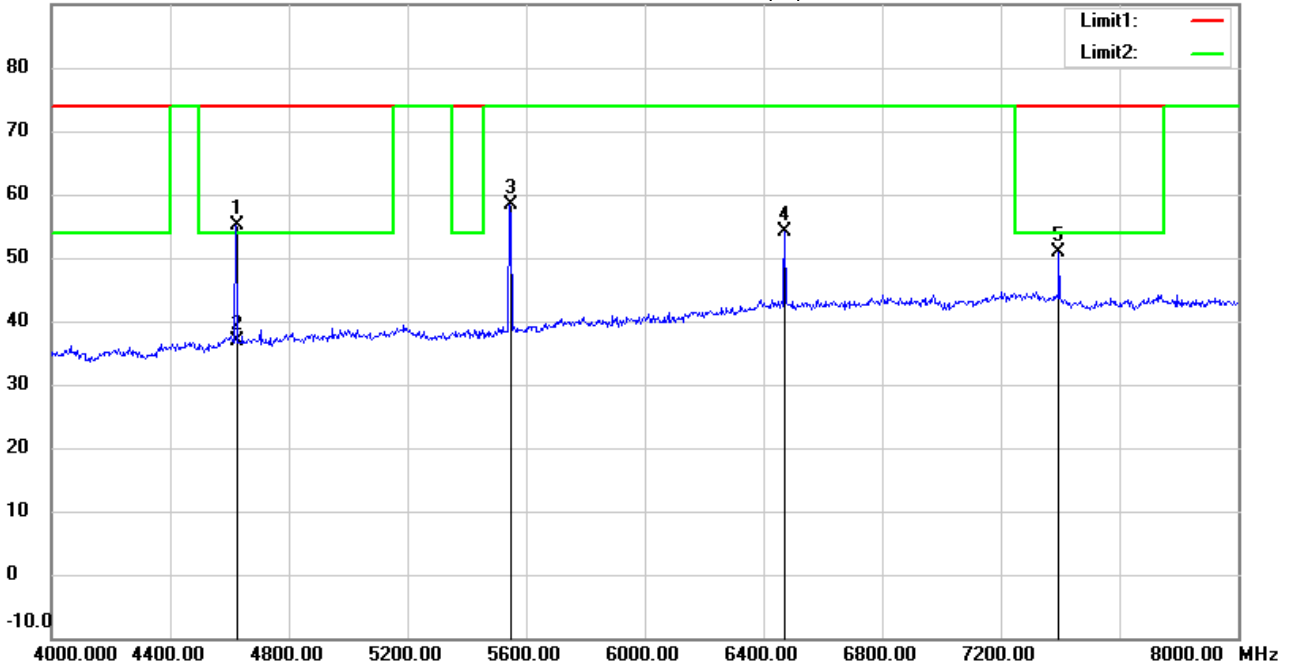
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 02:01:12

Humidity: 53.7 %



Site : 966A Chamber

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

EUT : W6M22405-23448

M/N:

Test Mode : TX 924.48MHz

Note :

Polarization: **Vertical**

Power : 3 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4622.000	51.74	peak	3.29	55.03	74.00	150	152	-18.97	
	4622.000	33.65	AVG	3.29	36.94	54.00	150	152	-17.06	
*	5546.000	53.38	peak	5.06	58.44	74.00	150	231	-15.56	
	6472.000	45.08	peak	9.08	54.16	74.00	150	13	-19.84	
	7396.000	40.80	peak	10.07	50.87	74.00	150	314	-23.13	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#4

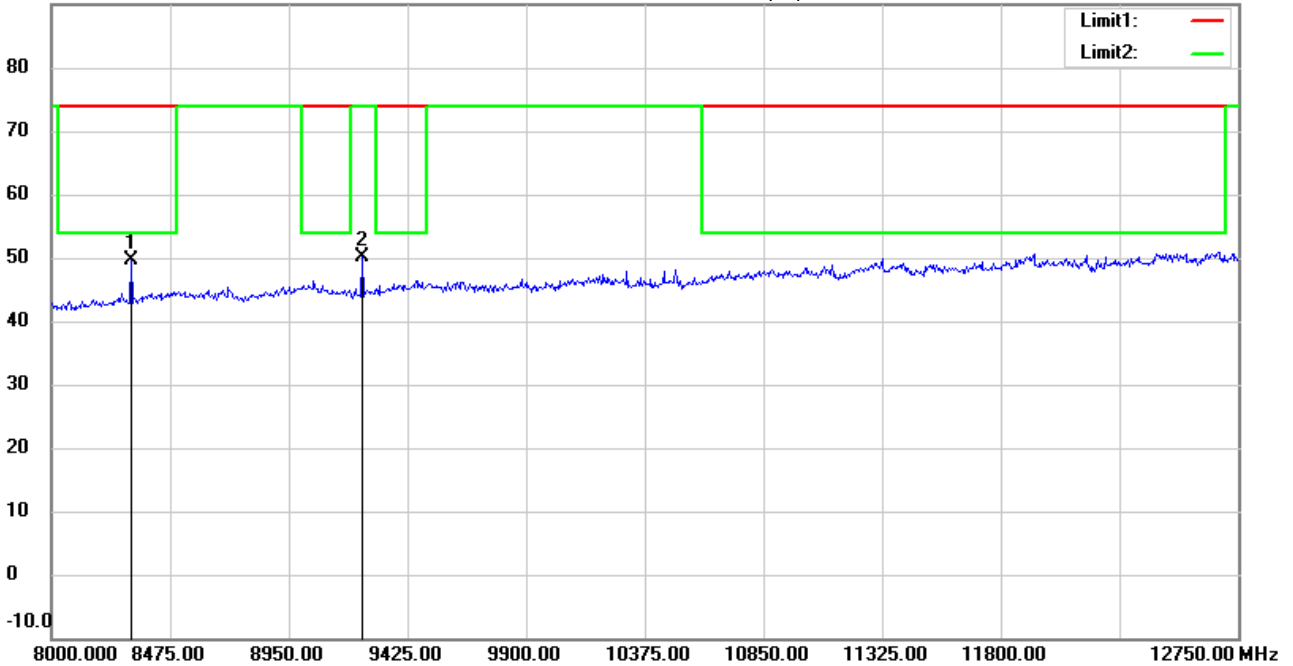
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 01:59:00

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Horizontal*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 924.48MHz

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
	8318.250	38.87	peak	10.64	49.51	74.00	150	226	-24.49	
*	9244.500	38.37	peak	11.84	50.21	74.00	150	123	-23.79	



Radiated Emission Measurement

Operator: Kai

File :3

Data :#8

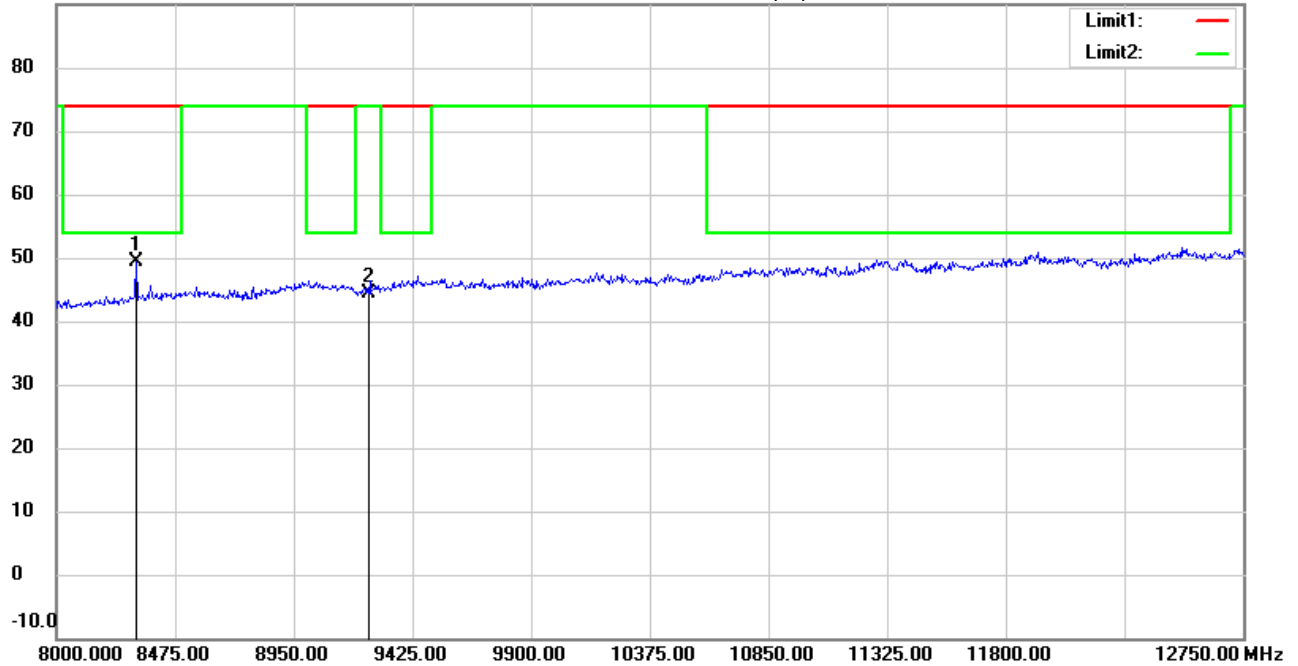
Date: 2024/5/8

Temperature: 25.7 °C

90.0 dBuV/m

Time: 下午 02:01:54

Humidity: 53.7 %



Site : 966A Chamber

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

Polarization: *Vertical*

EUT : W6M22405-23448

Power : 3 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 924.48MHz

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
*	8318.250	38.68	peak	10.64	49.32	74.00	150	94	-24.68	
	9244.800	32.58	peak	11.84	44.42	74.00	150	211	-29.58	