

47 CFR PART 15 SUBPART C TEST REPORT

for

Keypad Electronic Deadbolt + Zwave

Model No.: A50-C406

FCC ID: O3I-A50C406

IC: 10365A-A50C406

of

Applicant: Taiwan Fu Hsing Industrial Co., Ltd.

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

Tested and Prepared

By

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1072, TW1140, TW1146, TW1477, TW0037

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



Report No.: W6M22410-23836-C-1

6F., No. 58, Ln. 188, Rueiguang Rd., Neihu Dist., Taipei City, Taiwan (R.O.C.)
TEL: 886-2-66068877 FAX: 886-2-66068879 E-mail: wts@wts-lab.com



Registration number: W6M22410-23836-C-1

FCC ID: O3I-A50C406

IC: 10365A-A50C406

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Worldwide Testing Services(Taiwan) Co., Ltd.

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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:

November 28, 2024

Kent Lin

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

November 28, 2024

Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1

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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. 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, TW1146, TW1477, TW0037

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

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

Name: ./.

Accredited number: ./.

Street: ./.

Town: ./.

Country: ./.



Registration number: W6M22410-23836-C-1

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1.3 Details of approval holder

Name: Taiwan Fu Hsing Industrial Co., Ltd.
Street: No.88, Yucai Rd., Gangshan Dist.,
City: Kaohsiung City 820,
Country: Taiwan (R.O.C.)

1.4 Application details

Date of receipt of test item: November 12, 2024
Date of test: From November 13, 2024 to November 27, 2024

1.5 General information of Test item

Type of test item: Keypad Electronic Deadbolt + Zwave
Model number: A50-C406
Multi-listing model number: ./.
Sample no.: #01

Technical data

Frequency band: 902-928 MHz
Operation frequency: 908.4-916 MHz
Operation modes: Simplex
Modulation type: FSK
Antenna type: OnBoard Antenna
Antenna gain: 0dBi
Power supply: 6Vd.c.(AAA batteries*4)

Manufacturer: (if different from applicant)

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

1.6 Test standards

47 CFR PART 15 SUBPART C § 15.249 (2023-10)
RSS-210 Issue 10 Amendment (2020-04)



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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 Power supply: 6Vd.c.(AAA batteries*4)

Extreme conditions parameters: Not required

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) (Peak Output Power (transmitter), Equivalent isotropic radiated power, RF Exposure Compliance Requirements, Out of Band Radiated Emissions, Spurious emission (tx), Radiated Emissions from Receiver 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 Band Edge Measurement (Radiated Emission on the band edge)	Expanded Uncertainty : 0.67 dBc
Estimation Result of Uncertainty of Bandwidth Measurement (Occupied Bandwidth)	Expanded Uncertainty : 0.45 kHz

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



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2.3 Test Equipment List

Occupied Bandwidth & 20dB Bandwidth

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	2024/9/11	2025/9/10
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	2024/7/12	2025/7/11
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	2024/7/12	2025/7/11
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2024/7/12	2025/7/11
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2024/7/12	2025/7/11
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1 Version EMEC-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.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB μ V) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq (MHz)	METER READING + ACF + CABLE LOSS (to the receiver) = FS
33	20 dB μ V + 10.36 dB + 6 dB = 36.36 dB μ V/m @3m

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

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

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

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



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3 Test results (enclosure)

Test case	Para. Number	Required	Test passed	Test failed
Peak Output Power	15.249 (a)	☒	☒	☐
Spurious Emissions radiated – Transmitter operating	15.249 (e)	☒	☒	☐
Spurious Emissions conducted – Transmitter operating	15.249 (e)	☐	☐	☐
Radiated Emission from Receiver Part	15.109	☐	☐	☐
Out of Band Spurious Emission, Band edge-Transmitter operating	15.249 (d)(e) 15.35 (b)	☒	☒	☐
20 dB Bandwidth	15.215 (c)	☒	☒	☐
Power Line Conducted Emission	15.207	☐	☐	☐

The following is intentionally left blank.



Registration number: W6M22410-23836-C-1

FCC ID: O3I-A50C406

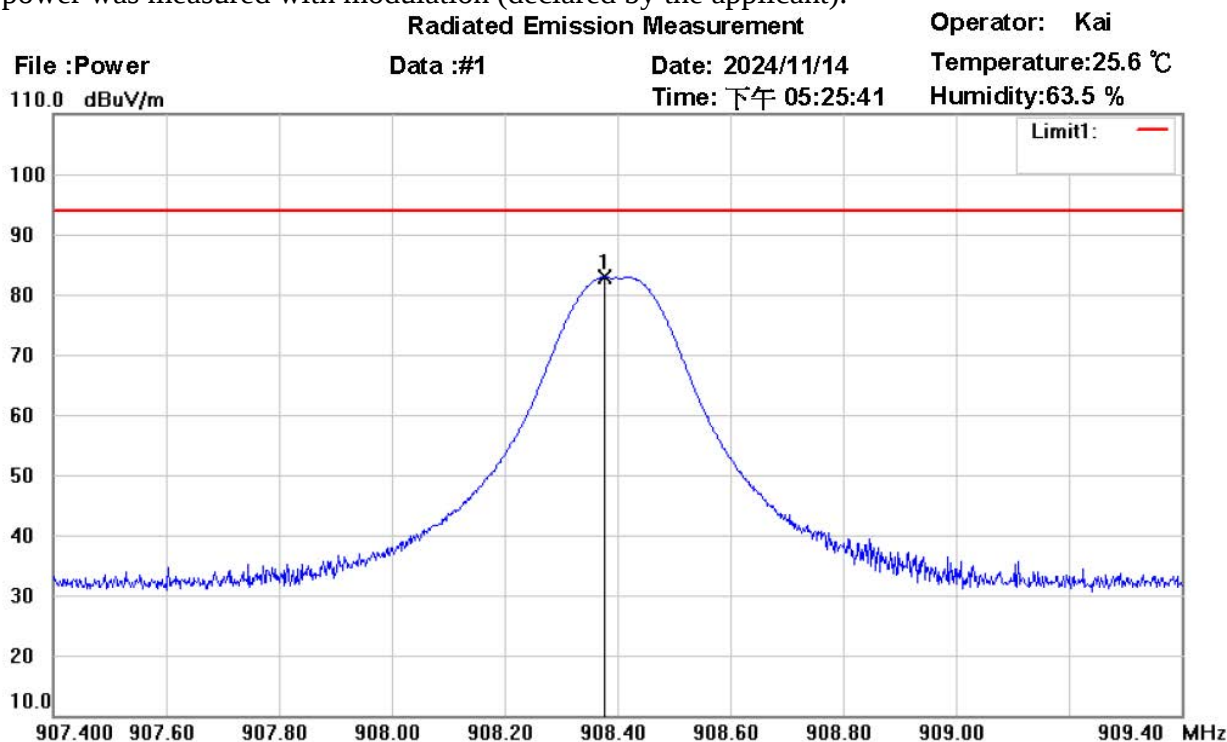
IC: 10365A-A50C406

3.1 Peak Output Power (transmitter)

FCC Rule: 15.249 (a)

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

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



Site : 966A Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	908.3780	83.88	peak	-1.01	82.87	94.00	167	262	-11.13	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1
FCC ID: O3I-A50C406
IC: 10365A-A50C406

Radiated Emission Measurement

Operator: Kai

File :Power

Data :#2

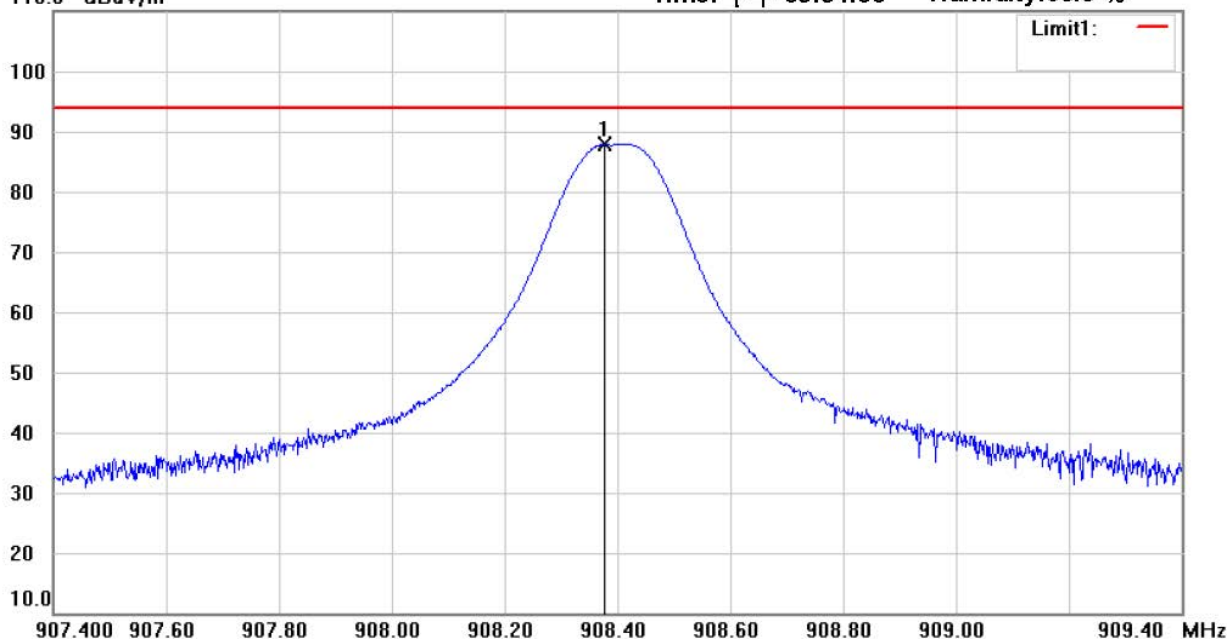
Date: 2024/11/14

Temperature:25.6 °C

110.0 dBuV/m

Time: 下午 05:31:06

Humidity:63.5 %



Site : 966A Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Vertical*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	908.3780	88.89	peak	-1.01	87.88	94.00	150	332	-6.12	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1
FCC ID: O3I-A50C406
IC: 10365A-A50C406

Radiated Emission Measurement

Operator: Kai

File :Power

Data :#1

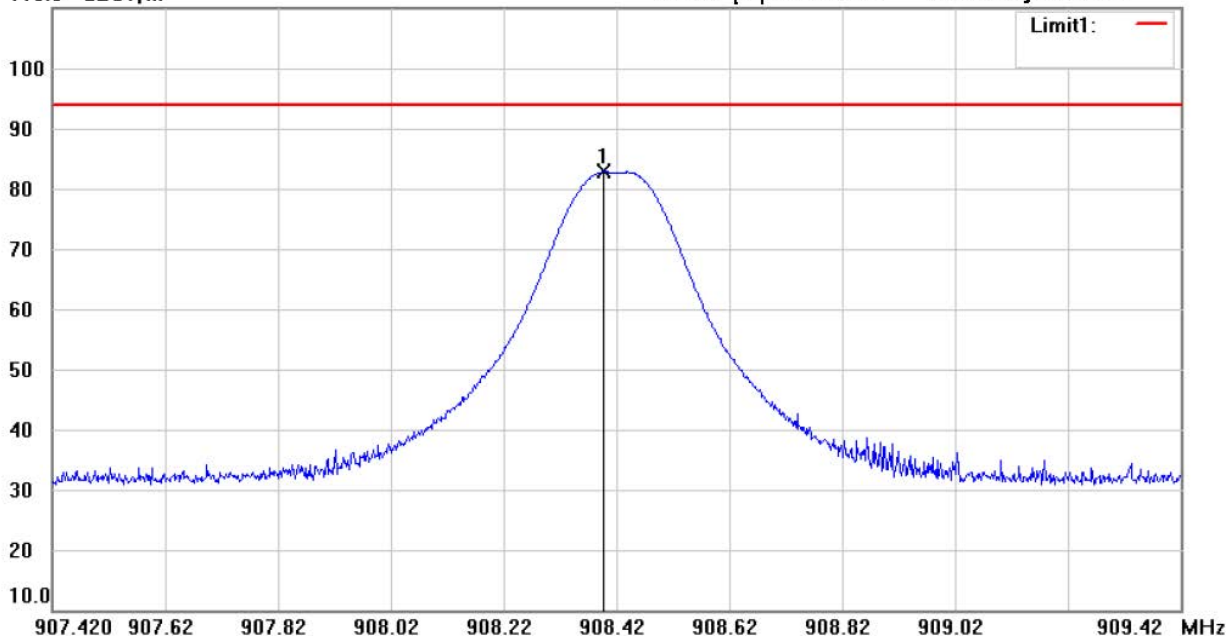
Date: 2024/11/14

Temperature:25.6 °C

110.0 dBuV/m

Time: 下午 05:40:09

Humidity:63.5 %



Site : 966A Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	908.3980	83.82	peak	-1.01	82.81	94.00	167	261	-11.19	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1
FCC ID: O3I-A50C406
IC: 10365A-A50C406

Radiated Emission Measurement

Operator: Kai
Temperature: 25.6 °C
Humidity: 63.5 %

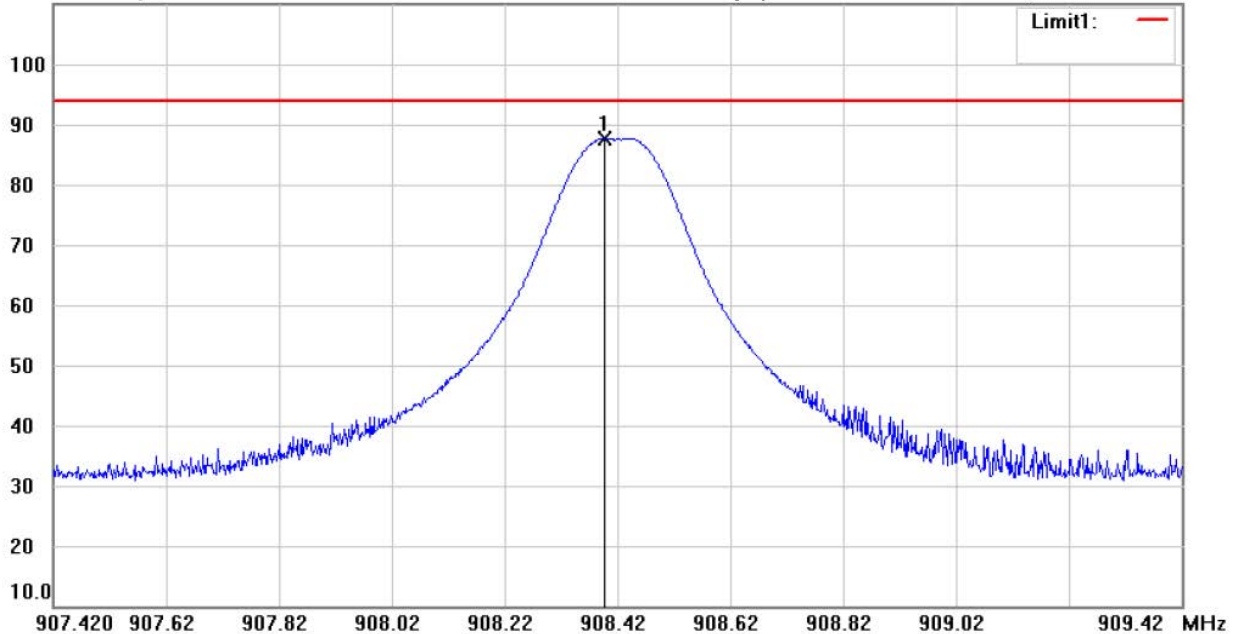
File : Power

Data : #2

Date: 2024/11/14

Time: 下午 05:41:17

110.0 dBuV/m



Site : 966A Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Vertical*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	908.3980	88.73	peak	-1.01	87.72	94.00	150	332	-6.28	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1
FCC ID: O3I-A50C406
IC: 10365A-A50C406

Radiated Emission Measurement

Operator: Kai

File :Power

Data :#1

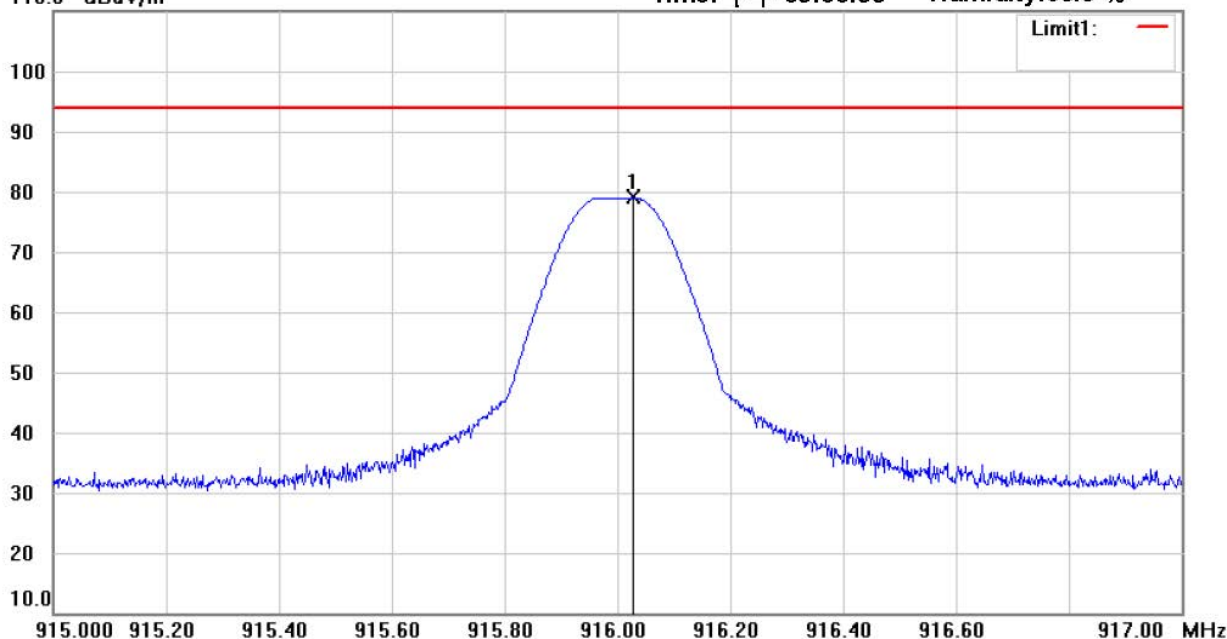
Date: 2024/11/14

Temperature:25.6 °C

110.0 dBuV/m

Time: 下午 05:00:55

Humidity:63.5 %



Site : 966A Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	916.0280	79.92	peak	-0.90	79.02	94.00	174	264	-14.98	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1
FCC ID: O3I-A50C406
IC: 10365A-A50C406

Radiated Emission Measurement

Operator: Kai

File :Power

Data :#2

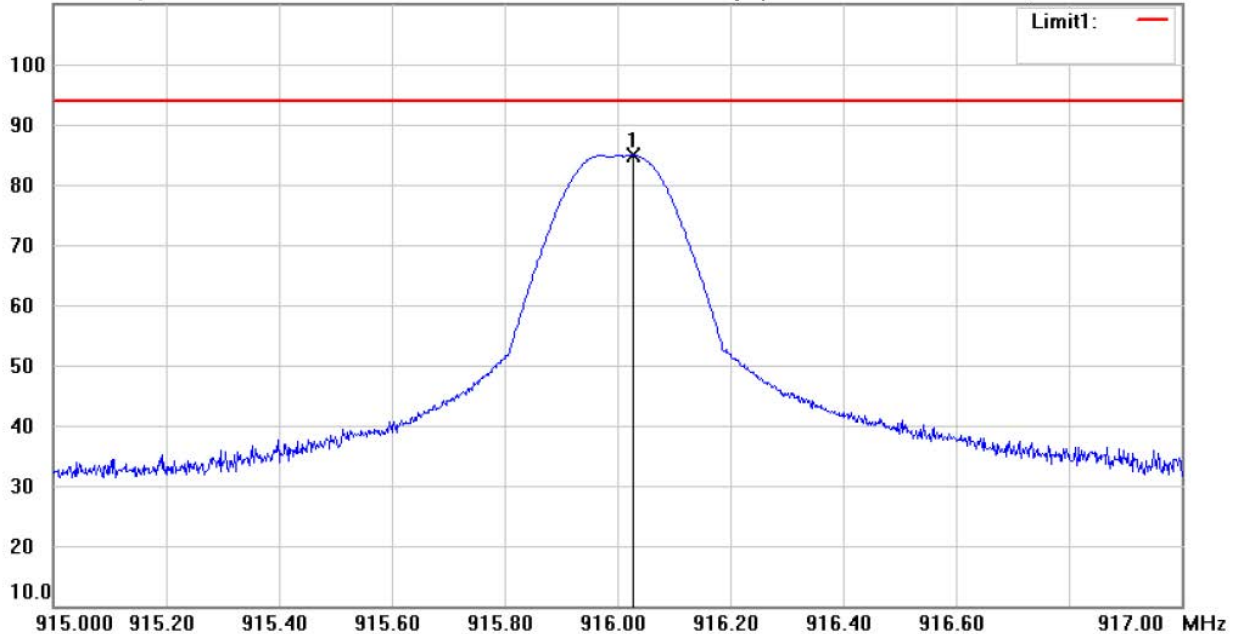
Date: 2024/11/14

Temperature:25.6 °C

Time: 下午 05:09:34

Humidity:63.5 %

110.0 dBuV/m



Site : 966A Chamber

Condition : FCC 15.249 power(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Vertical*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	916.0280	85.75	peak	-0.90	84.85	94.00	150	328	-9.15	



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3.2 Equivalent isotropic radiated power

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

3.3 RF Exposure Compliance Requirements

Not applicable for this EUT for the low power level.

3.4 Out of Band Radiated Emissions

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

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

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

Limits:

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

For frequencies above 1 GHz (Peak measurements).

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

Or

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

Explanation: ./.



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3.5 Spurious emission (tx)

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

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

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

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

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

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

Summary table with radiated data of the test plots

Model: A50-C406 Date: --
 Mode: -- Temperature: -- °C Engineer: --
 Polarization: Horizontal Humidity: -- %

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

Polarization: Vertical

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

Note

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

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



Worldwide Testing Services(Taiwan) Co., Ltd.

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3.6 Radiated Emissions from Receiver Part

Summary table with radiated data of the test plots

Model: A50-C406 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. Please see attached diagrams in appendix.**



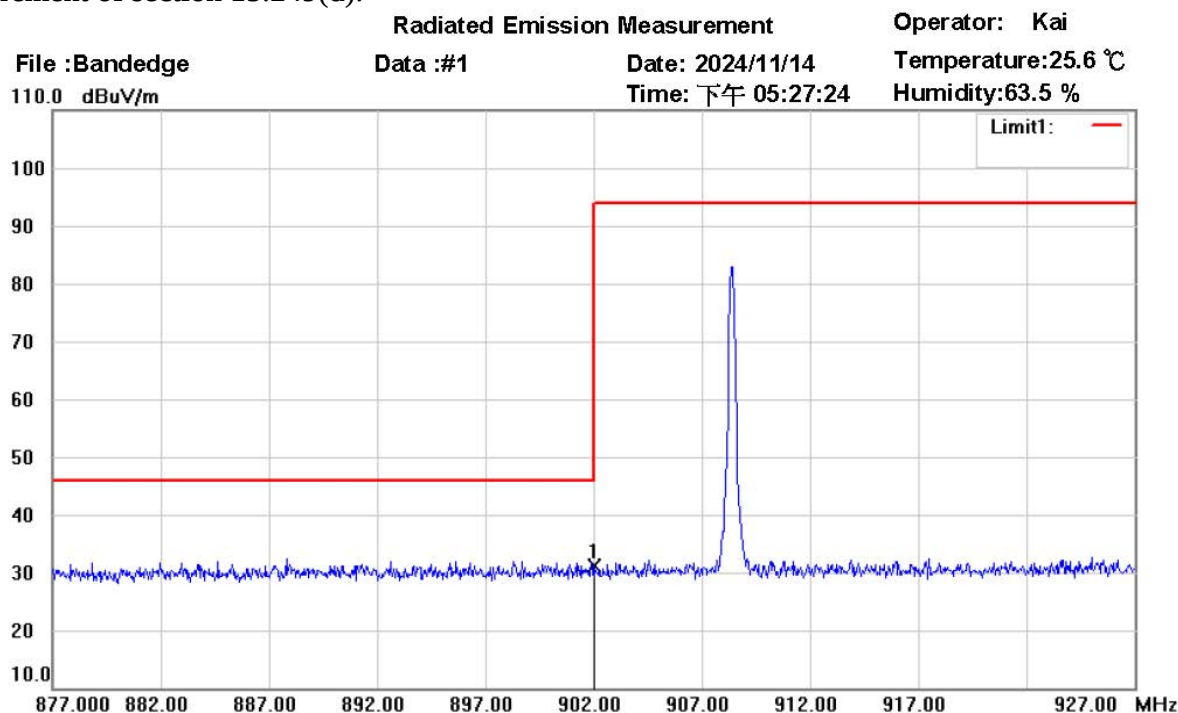
Registration number: W6M22410-23836-C-1

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3.7 Radiated Emission on the band edge

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



Site : 966A Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	902.0000	32.15	peak	-1.11	31.04	46.00	166	262	-14.96	



Worldwide Testing Services(Taiwan) Co., Ltd.

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Radiated Emission Measurement

Operator: Kai

File :Bandedge

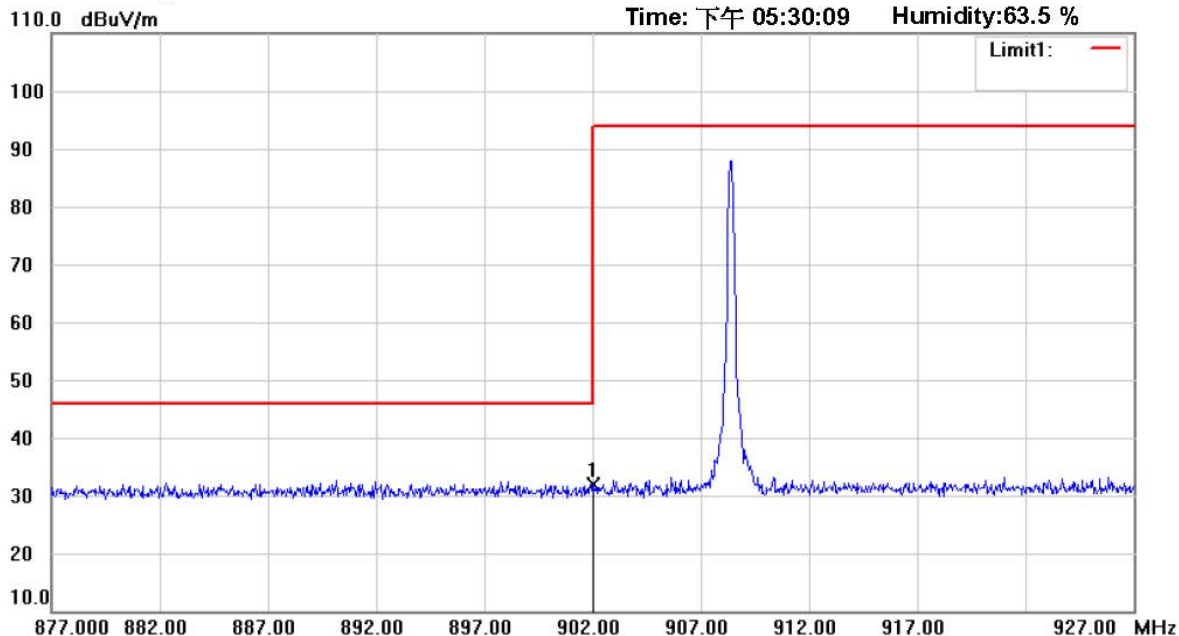
Data :#2

Date: 2024/11/14

Temperature:25.6 °C

Time: 下午 05:30:09

Humidity:63.5 %



Site : 966A Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Vertical*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	902.0000	32.99	peak	-1.11	31.88	46.00	150	332	-14.12	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1
FCC ID: O3I-A50C406
IC: 10365A-A50C406

Radiated Emission Measurement

Operator: Kai

File :Bandedge

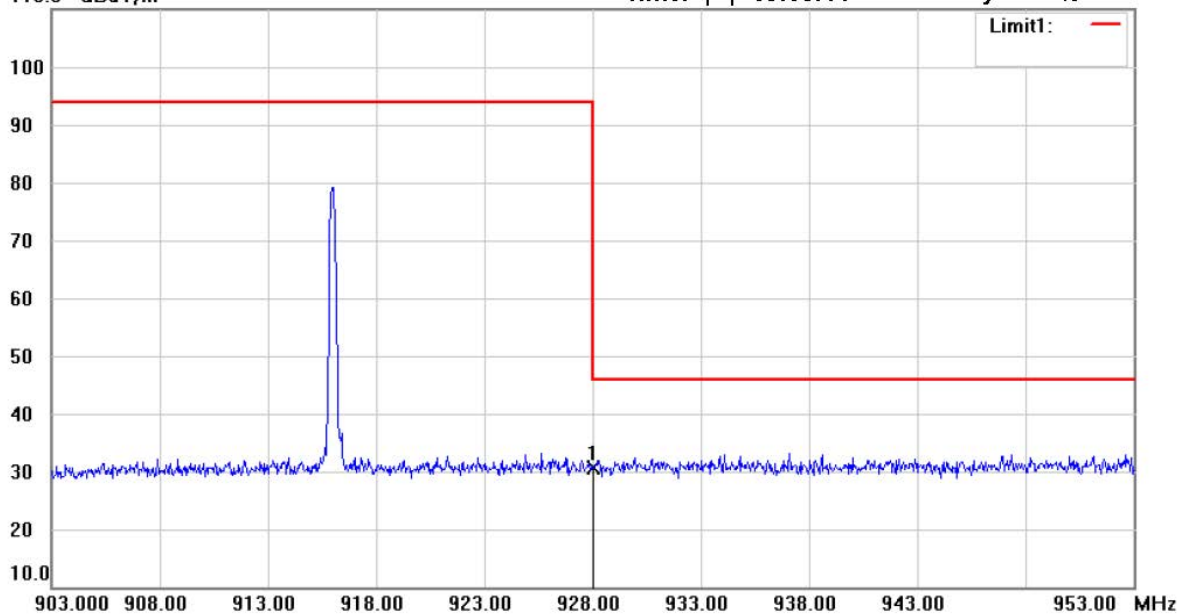
Data :#1

Date: 2024/11/14

Temperature:25.6 °C

Time: 下午 05:05:11

Humidity:63.5 %



Site : 966A Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	928.0000	31.31	peak	-0.72	30.59	46.00	174	264	-15.41	



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22410-23836-C-1
FCC ID: O3I-A50C406
IC: 10365A-A50C406

Radiated Emission Measurement

Operator: Kai

File :Bandedge

Data :#2

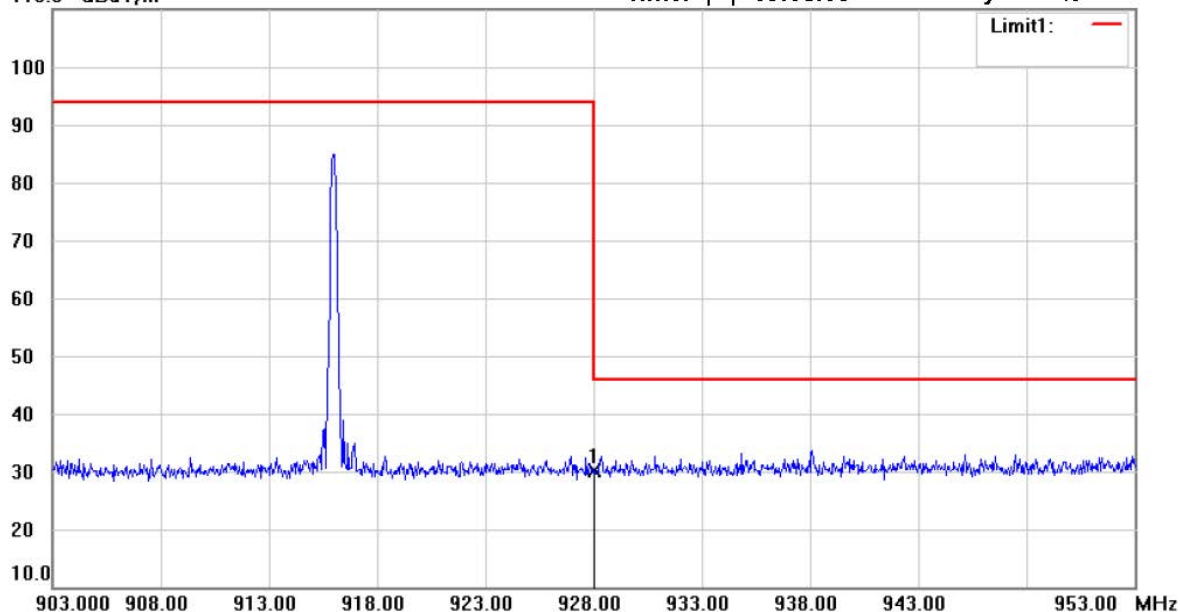
Date: 2024/11/14

Temperature:25.6 °C

110.0 dBuV/m

Time: 下午 05:08:03

Humidity:63.5 %



Site : 966A Chamber

Condition : FCC 15.249 Bandedge(902-928)_QP

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Vertical*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	928.0000	30.81	peak	-0.72	30.09	46.00	150	328	-15.91	

Limit:

Frequency Range (MHz)	Limit (dB μ V/m)	
	Peak	Average
902 – 928	46	94



Registration number: W6M22410-23836-C-1

FCC ID: O3I-A50C406

IC: 10365A-A50C406

3.8 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.

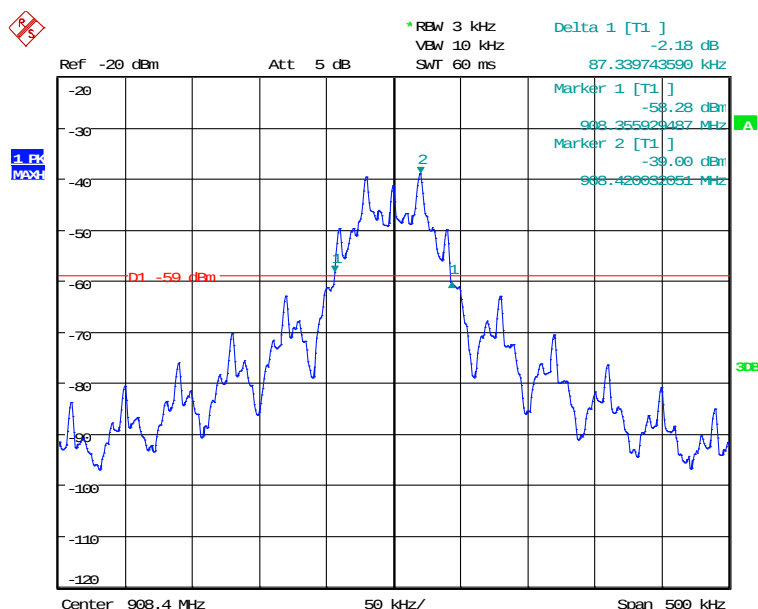
For frequency hopping systems operating in the 902-928 MHz band the maximum 20dB bandwidth of the hopping channel is 500 kHz.

Test date: November 19, 2024

Temperature: 24.5 °C

Humidity: 59.5 %

Tester: Rick



20DB BANDWIDTH

Date: 19.NOV.2024 11:02:02

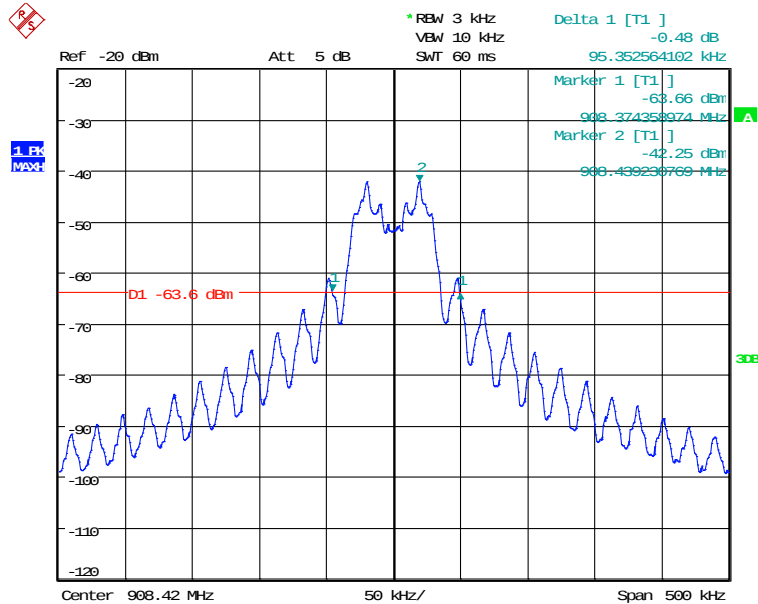


Worldwide Testing Services(Taiwan) Co., Ltd.

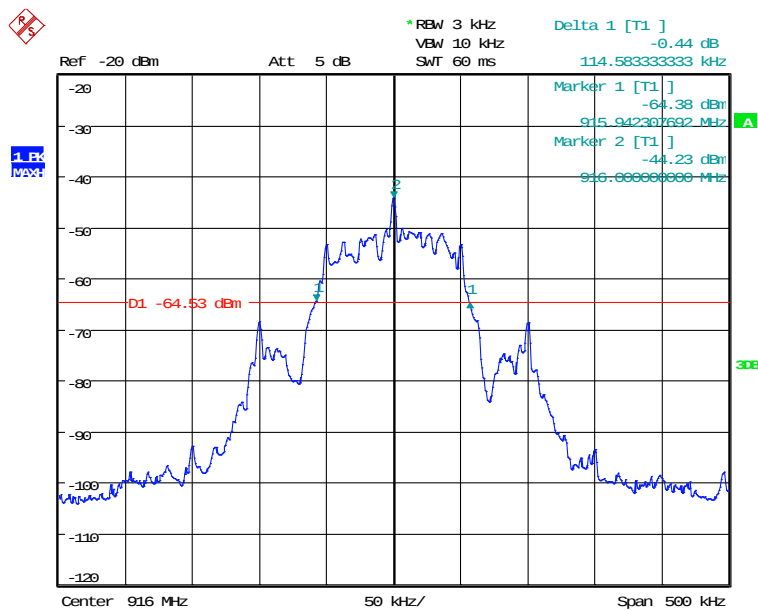
Registration number: W6M22410-23836-C-1

FCC ID: O3I-A50C406

IC: 10365A-A50C406



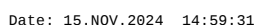
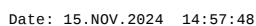
20DB BANDWIDTH
Date: 19.NOV.2024 11:04:21



20DB BANDWIDTH
Date: 19.NOV.2024 10:59:35



Tester: Rick

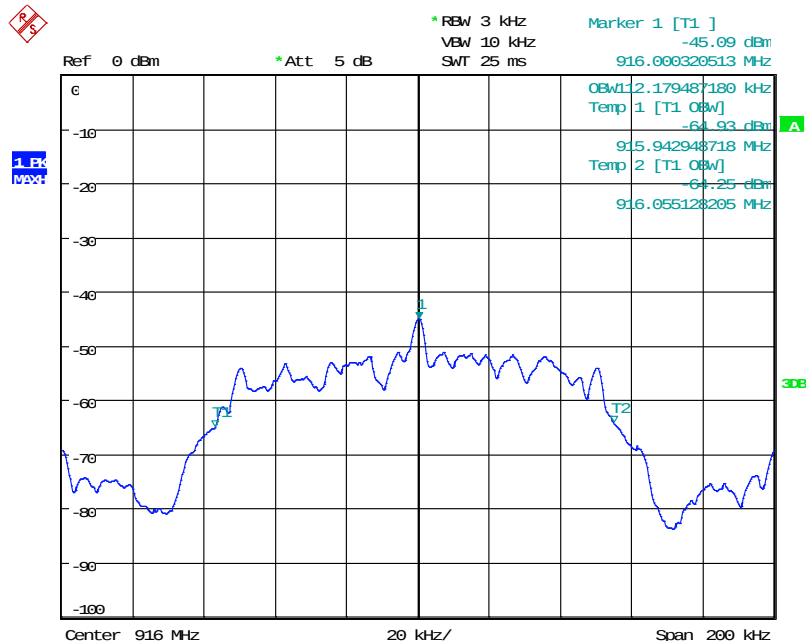




Registration number: W6M22410-23836-C-1

FCC ID: O3I-A50C406

IC: 10365A-A50C406



Date: 15.NOV.2024 14:50:09

3.8.1 System Receiver Input Bandwidth

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

Limits:

Frequency Range / MHz	Limit
906	≤ 500 kHz
2400-2483.5	not defined
5725-5850	≤ 1 MHz



Registration number: W6M22410-23836-C-1

FCC ID: O3I-A50C406

IC: 10365A-A50C406

3.9 Power Line Conducted Emission

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

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

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

Limits:

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi Peak	Average
0.15-0.5	66 to 56	56 to 46
0.5-5	56	46
5-30	60	50



Registration number: W6M22410-23836-C-1

FCC ID: O3I-A50C406

IC: 10365A-A50C406

Appendix

Measurement diagrams

Spurious Emissions radiated



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
Tel:+886-2-2646-1508
Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :1

Data :#1

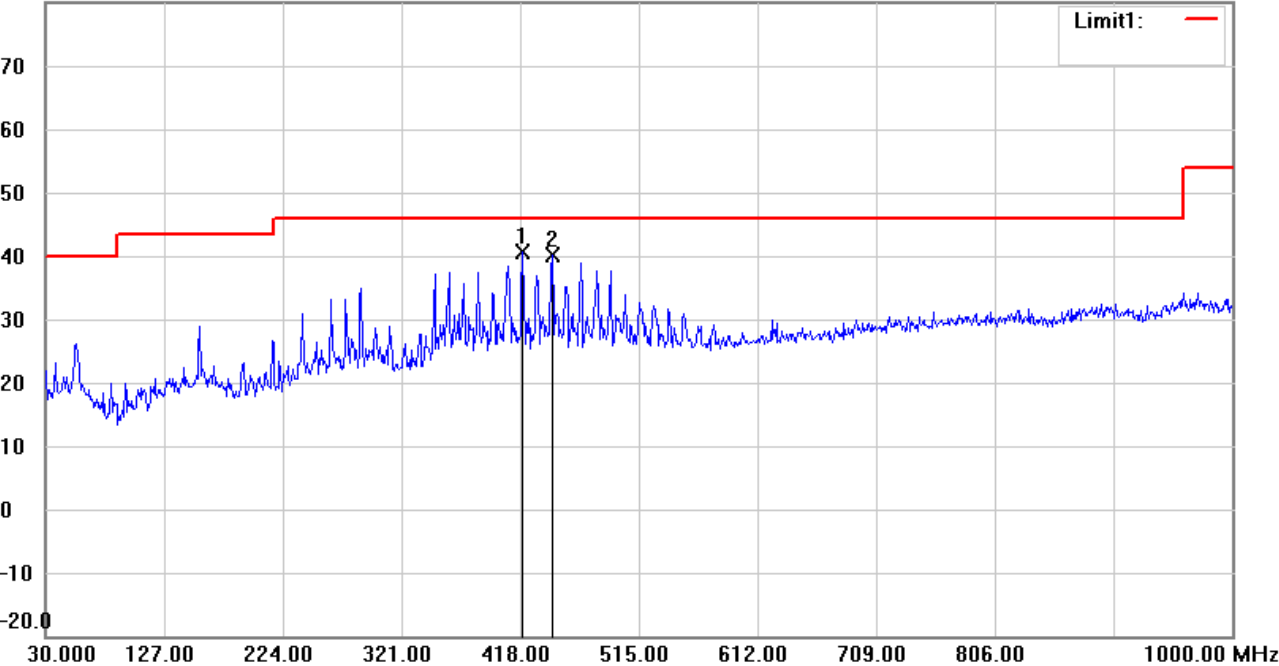
Date: 2024/11/14

Temperature:25.6 °C

80.0 dBuV/m

Time: 下午 05:43:09

Humidity:63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	419.9400	49.95	peak	-9.22	40.73	46.00	100	0	-5.27	
	444.1900	48.61	peak	-8.49	40.12	46.00	100	2	-5.88	



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File :1

Data :#2

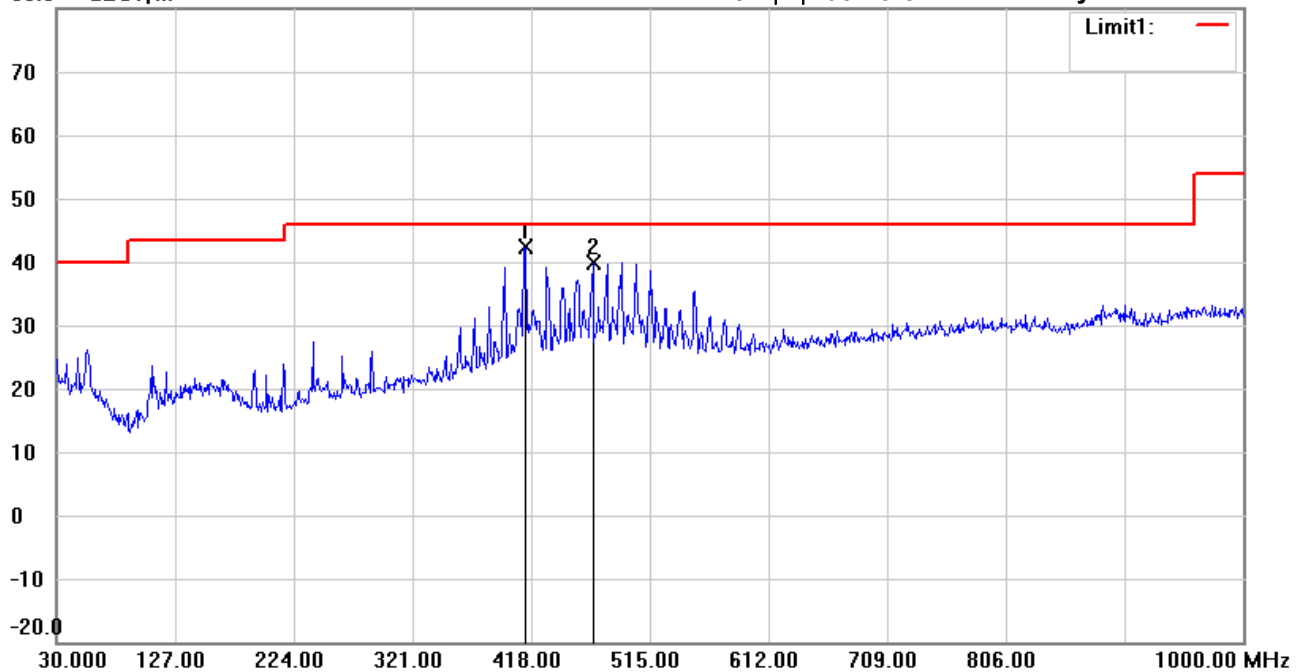
Date: 2024/11/14

Temperature: 25.6 °C

80.0 dBuV/m

Time: 下午 05:43:54

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: Vertical

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	412.6650	51.83	peak	-9.45	42.38	46.00	100	203	-3.62	
	468.4400	47.94	peak	-8.04	39.90	46.00	100	42	-6.10	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #1

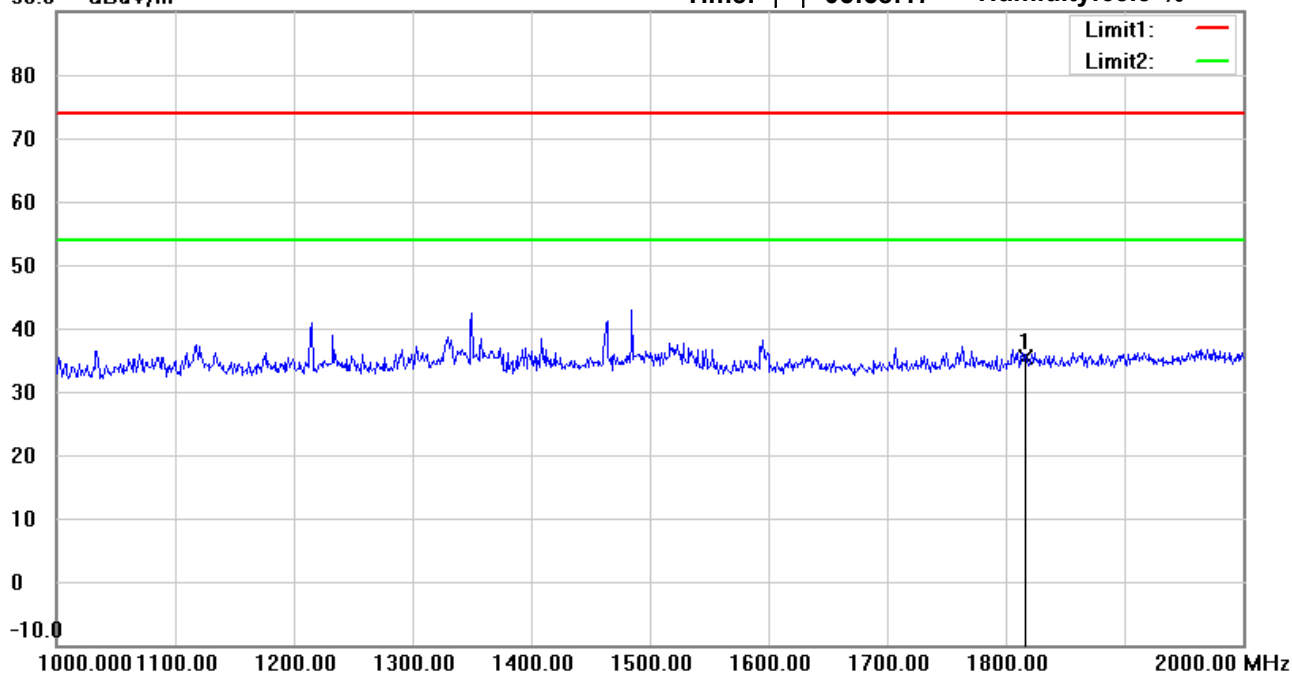
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:58:17

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1816.800	42.22	peak	-6.95	35.27	74.00	150	122	-38.73	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #5

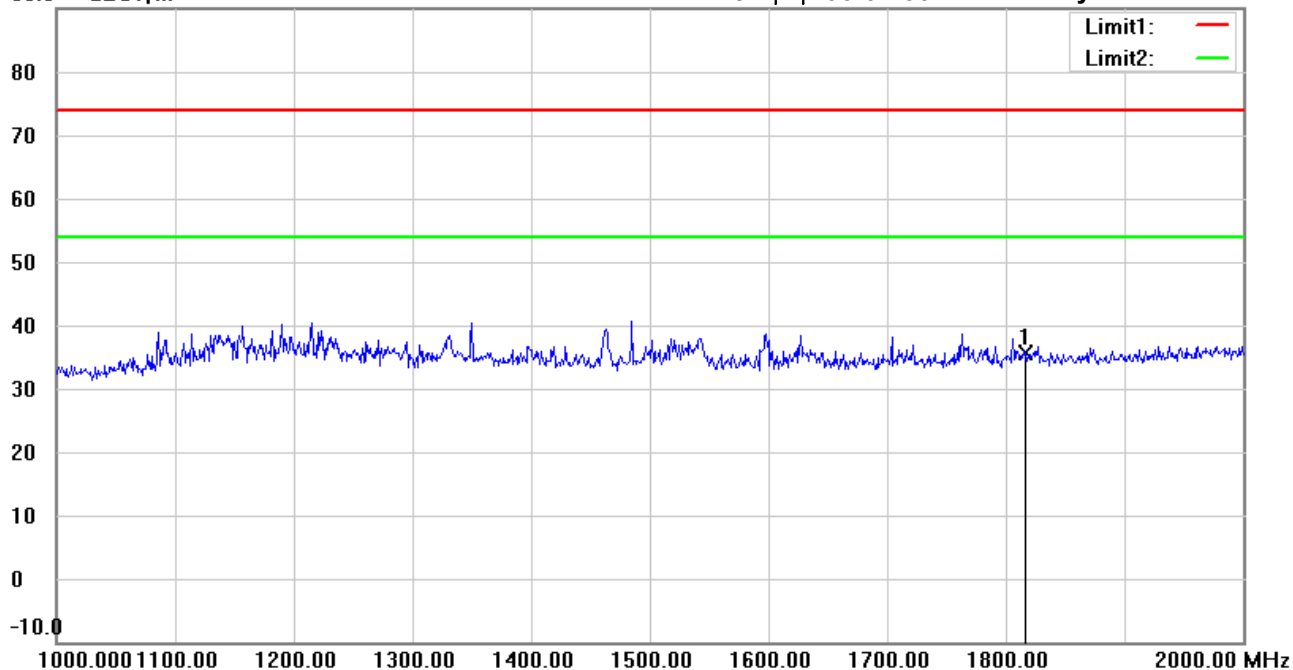
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:01:06

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: **Vertical**

EUT : W6M22410-23836

Power : 6 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 908.4MHz

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
*	1816.800	42.48	peak	-6.95	35.53	74.00	150	55	-38.47	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #2

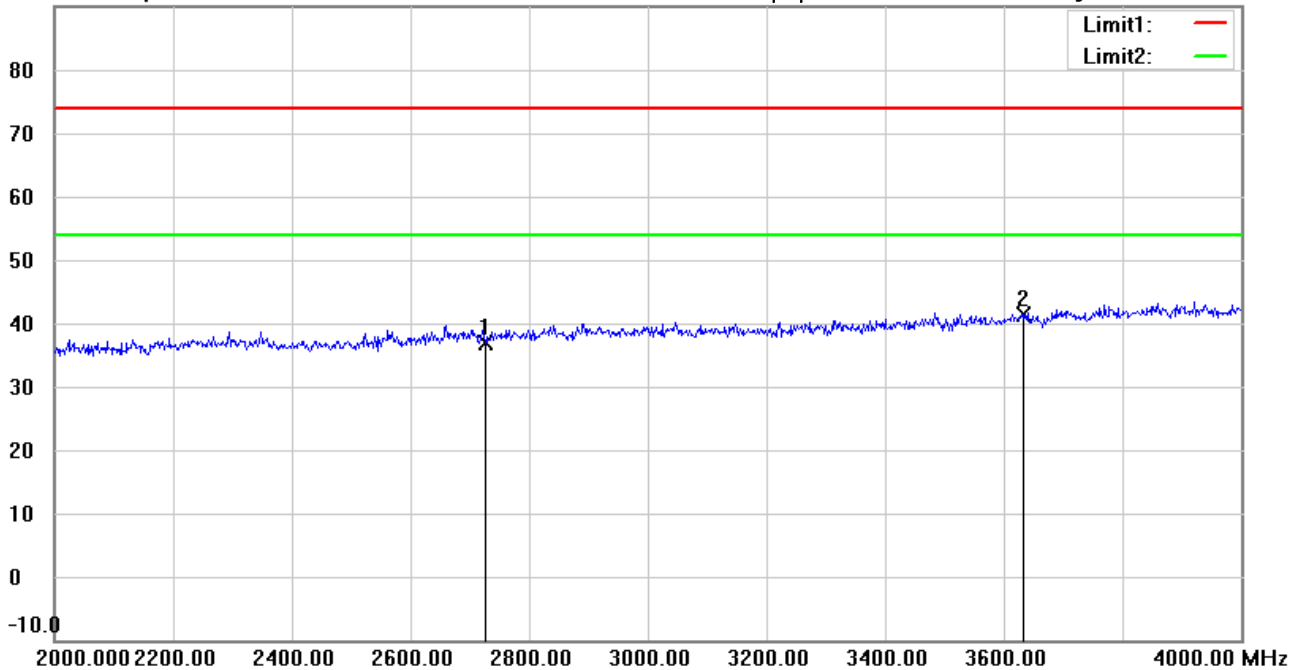
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:58:58

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2725.200	40.16	peak	-3.17	36.99	74.00	150	330	-37.01	
*	3633.600	41.67	peak	-0.30	41.37	74.00	150	266	-32.63	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #6

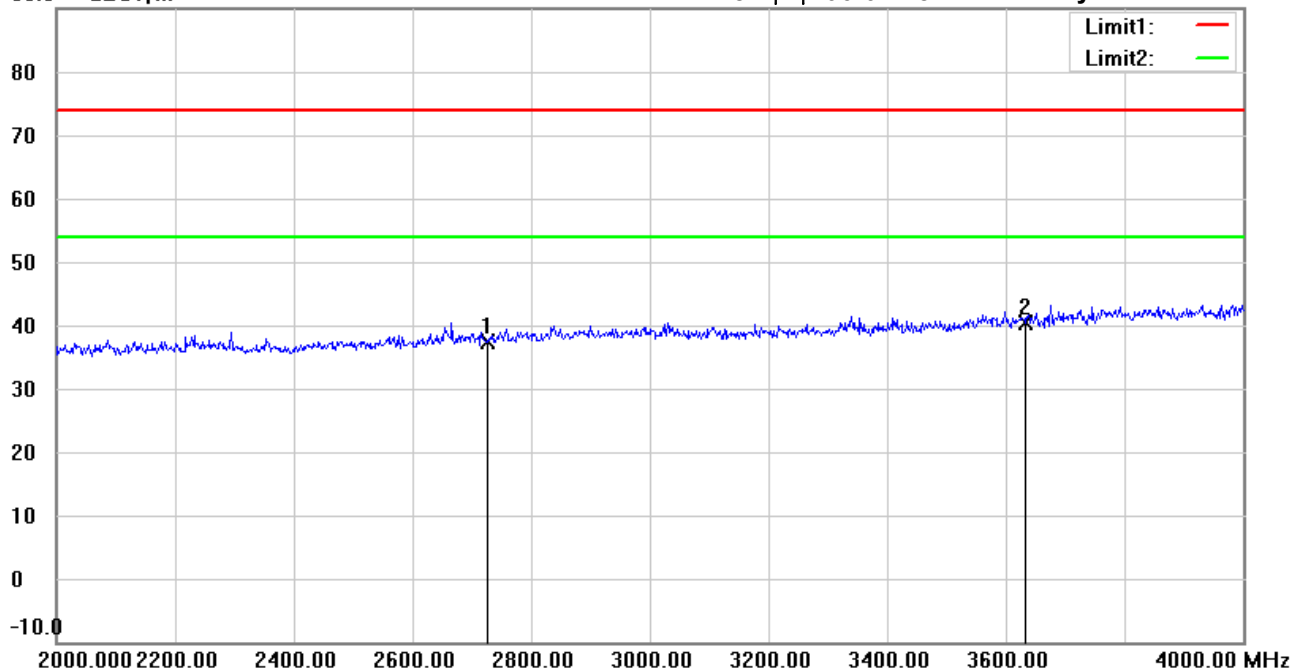
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:01:48

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2725.200	40.44	peak	-3.17	37.27	74.00	150	91	-36.73	
*	3633.600	40.69	peak	-0.30	40.39	74.00	150	88	-33.61	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #3

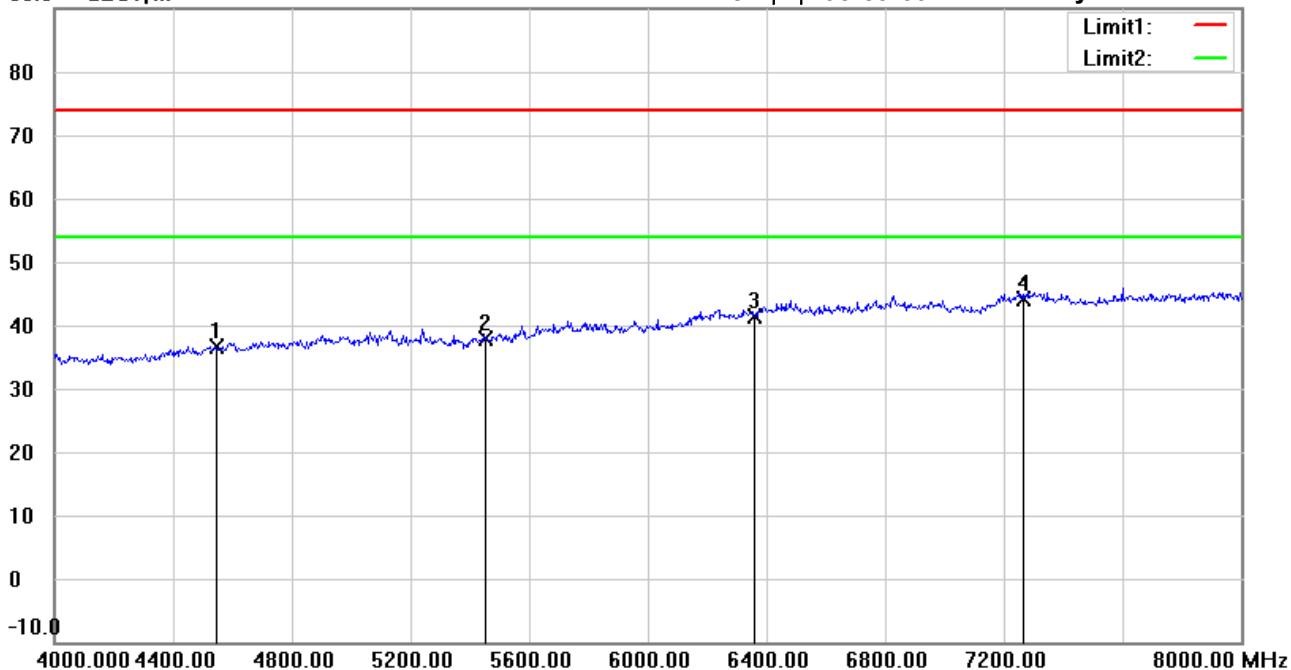
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:59:39

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4542.000	33.21	peak	3.40	36.61	74.00	150	155	-37.39	
	5450.400	32.60	peak	5.22	37.82	74.00	150	7	-36.18	
	6358.800	31.99	peak	9.36	41.35	74.00	150	152	-32.65	
*	7267.200	32.81	peak	11.30	44.11	74.00	150	65	-29.89	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #7

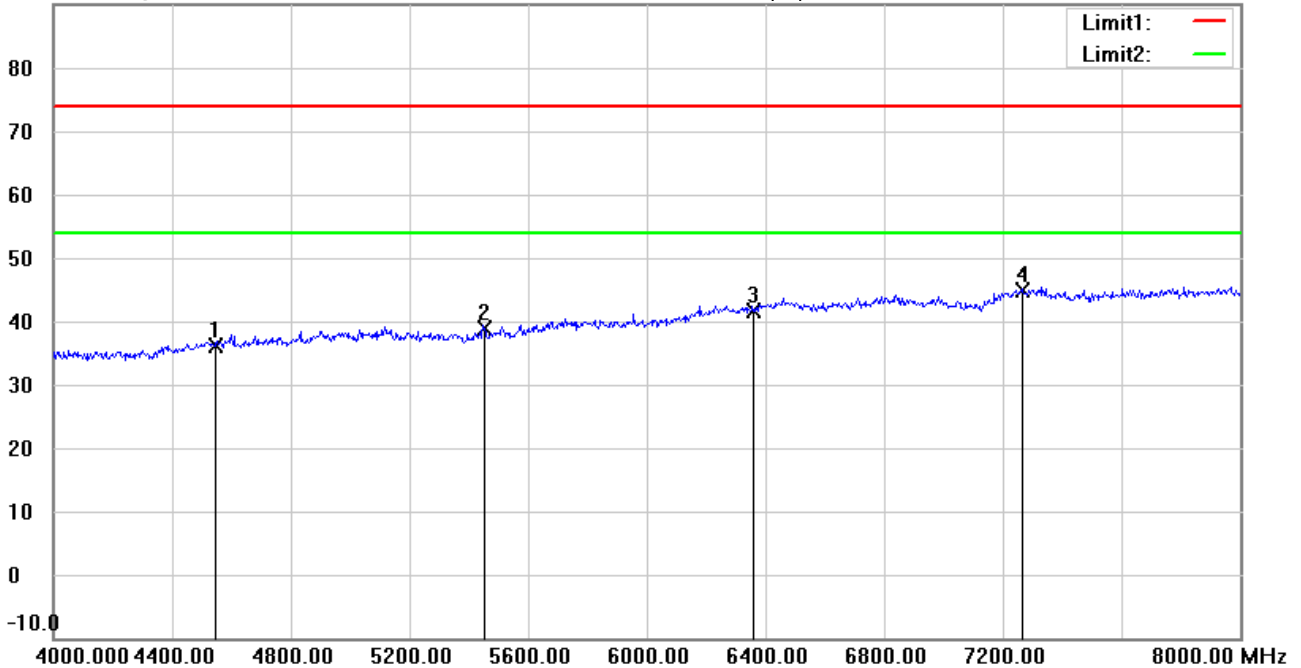
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:02:31

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: Vertical

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4542.000	32.85	peak	3.40	36.25	74.00	150	289	-37.75	
	5450.400	33.67	peak	5.22	38.89	74.00	150	55	-35.11	
	6358.800	32.19	peak	9.36	41.55	74.00	150	341	-32.45	
*	7267.200	33.64	peak	11.30	44.94	74.00	150	233	-29.06	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #4

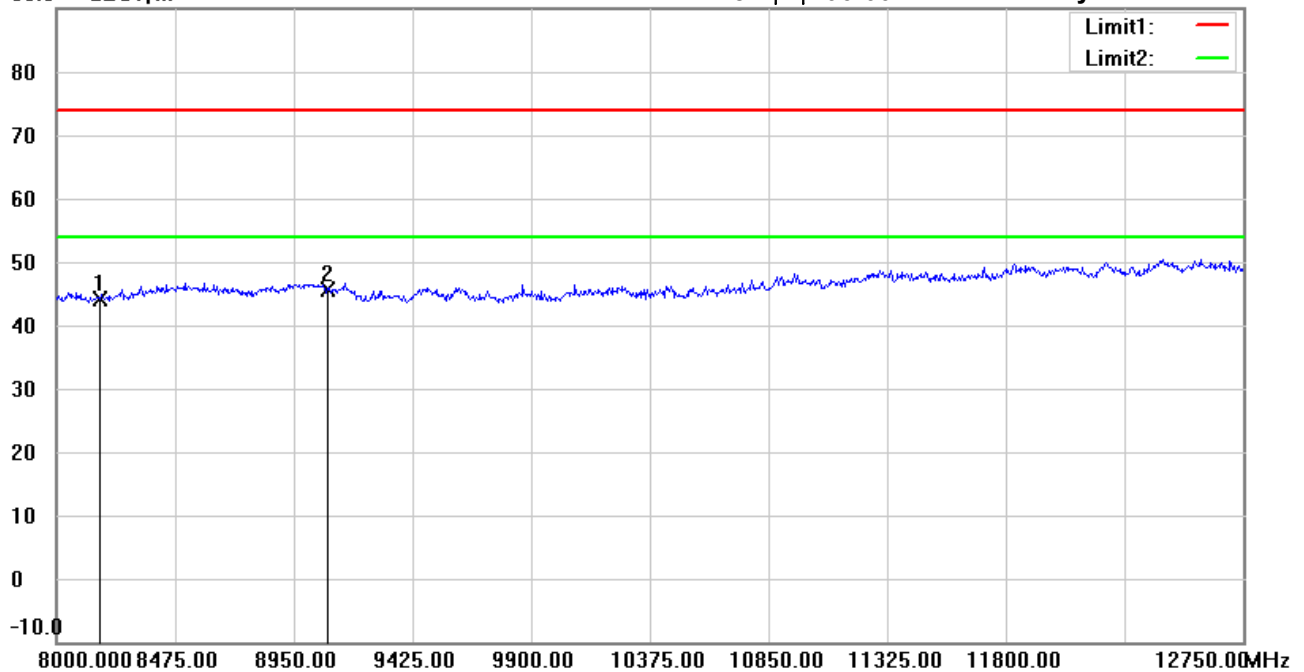
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:00:21

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	8175.600	31.61	peak	12.53	44.14	74.00	150	290	-29.86	
*	9084.000	32.26	peak	13.27	45.53	74.00	150	359	-28.47	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #8

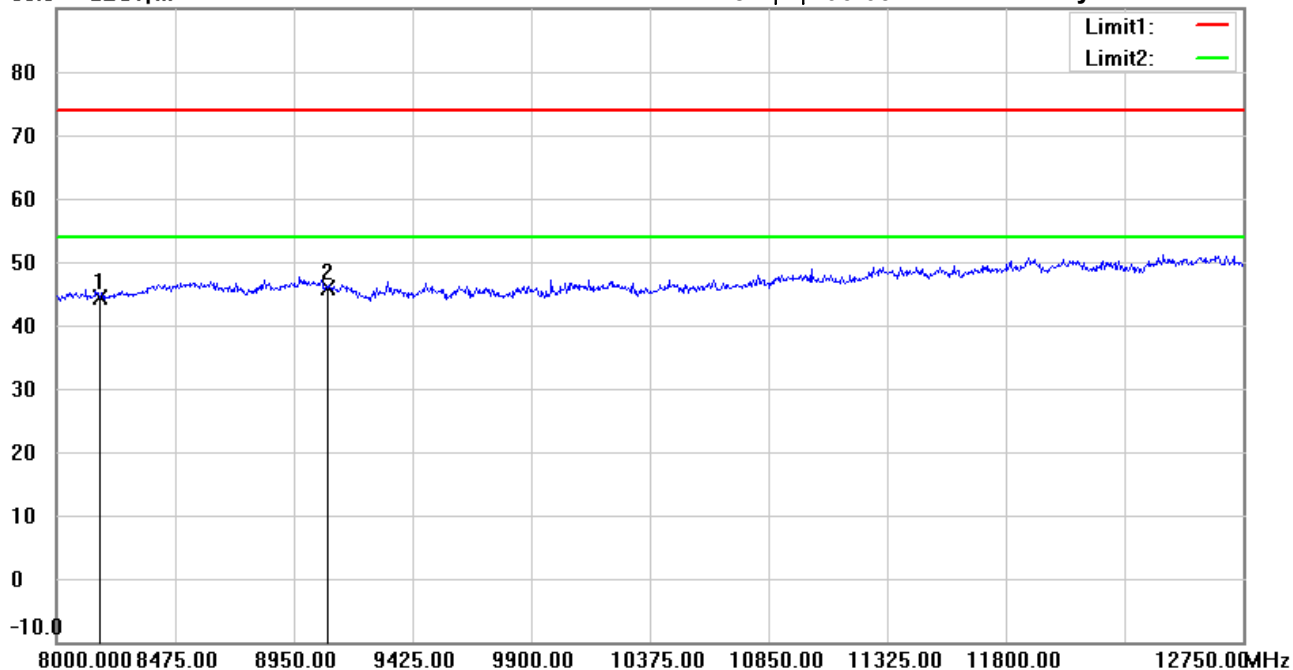
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:03:12

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.4MHz

Note :

Polarization: Vertical

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	8175.600	31.89	peak	12.53	44.42	74.00	150	359	-29.58	
*	9084.000	32.70	peak	13.27	45.97	74.00	150	184	-28.03	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #1

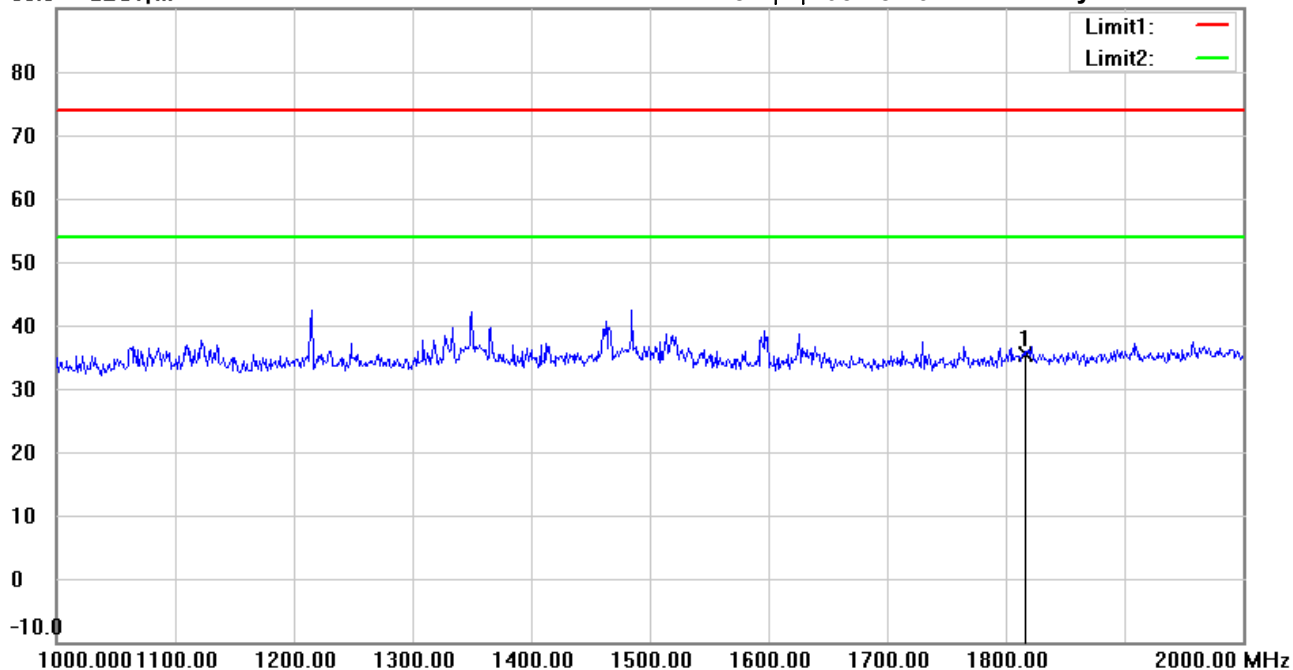
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:48:29

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

Polarization: *Horizontal*

EUT : W6M22410-23836

Power : 6 Vd.c.

M/N:

Distance: 3m

Test Mode : TX 908.42MHz

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
*	1816.840	42.38	peak	-6.95	35.43	74.00	150	165	-38.57	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #5

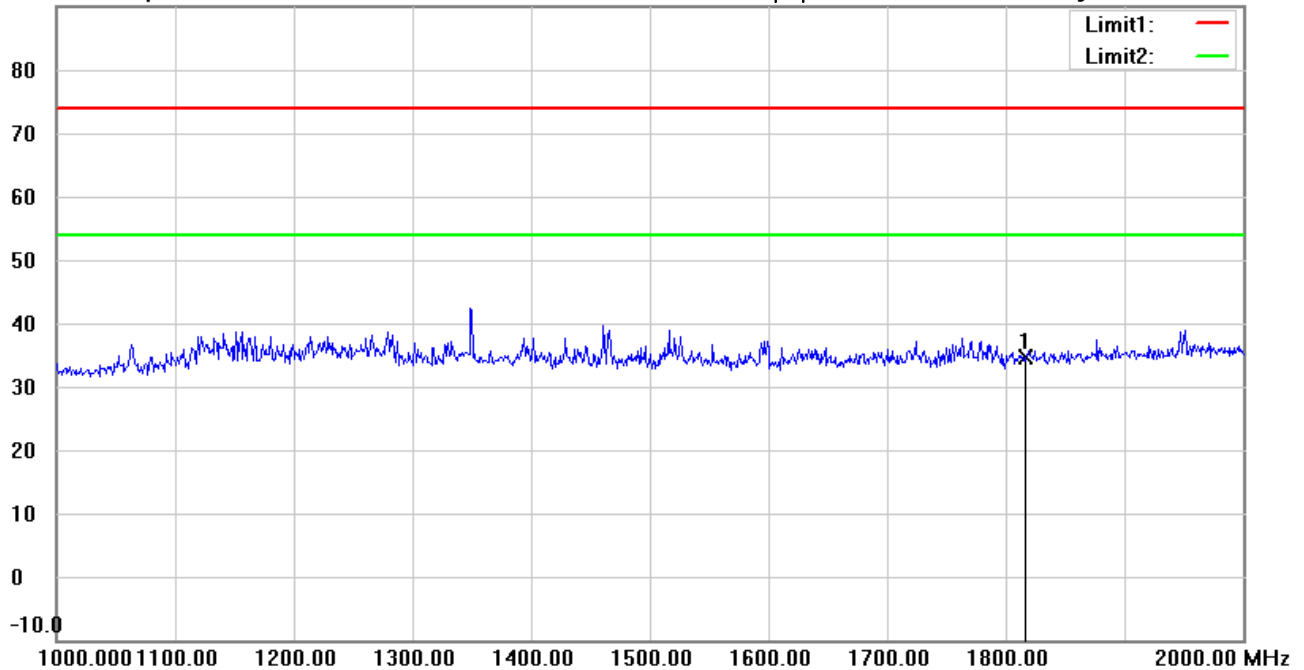
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:51:18

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1816.840	41.63	peak	-6.95	34.68	74.00	150	256	-39.32	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #2

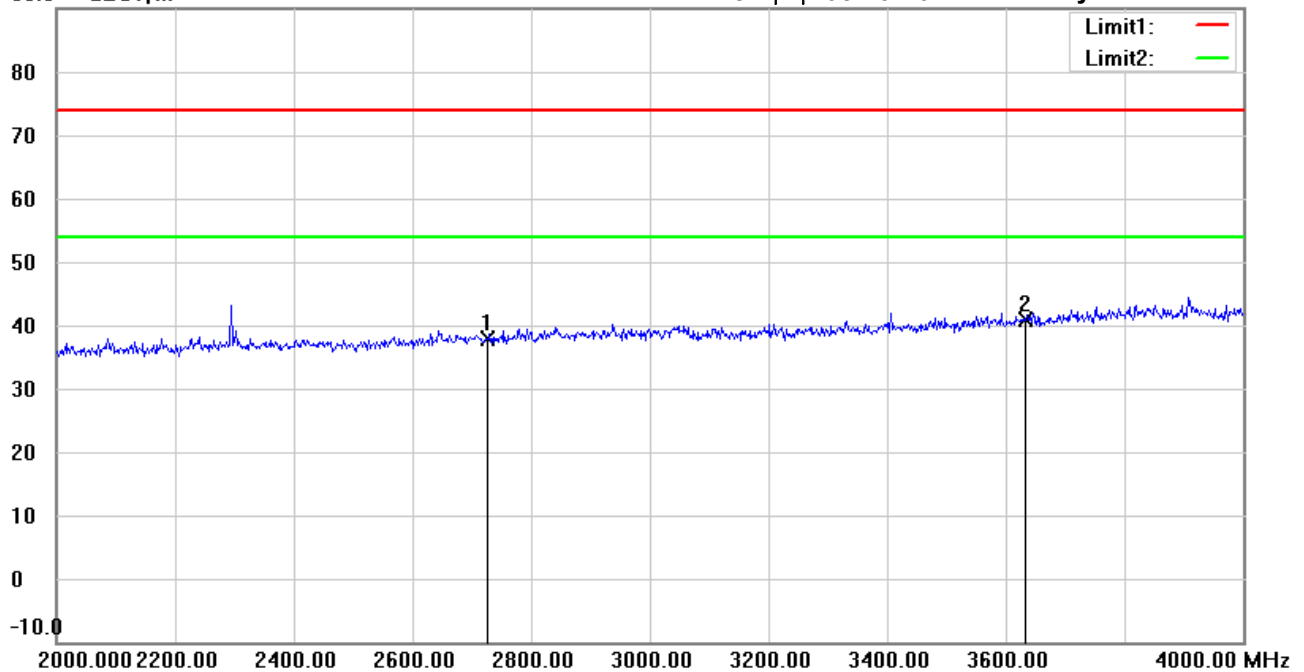
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:49:10

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: **Horizontal**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2725.260	40.95	peak	-3.17	37.78	74.00	150	25	-36.22	
*	3633.680	41.07	peak	-0.30	40.77	74.00	150	210	-33.23	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #6

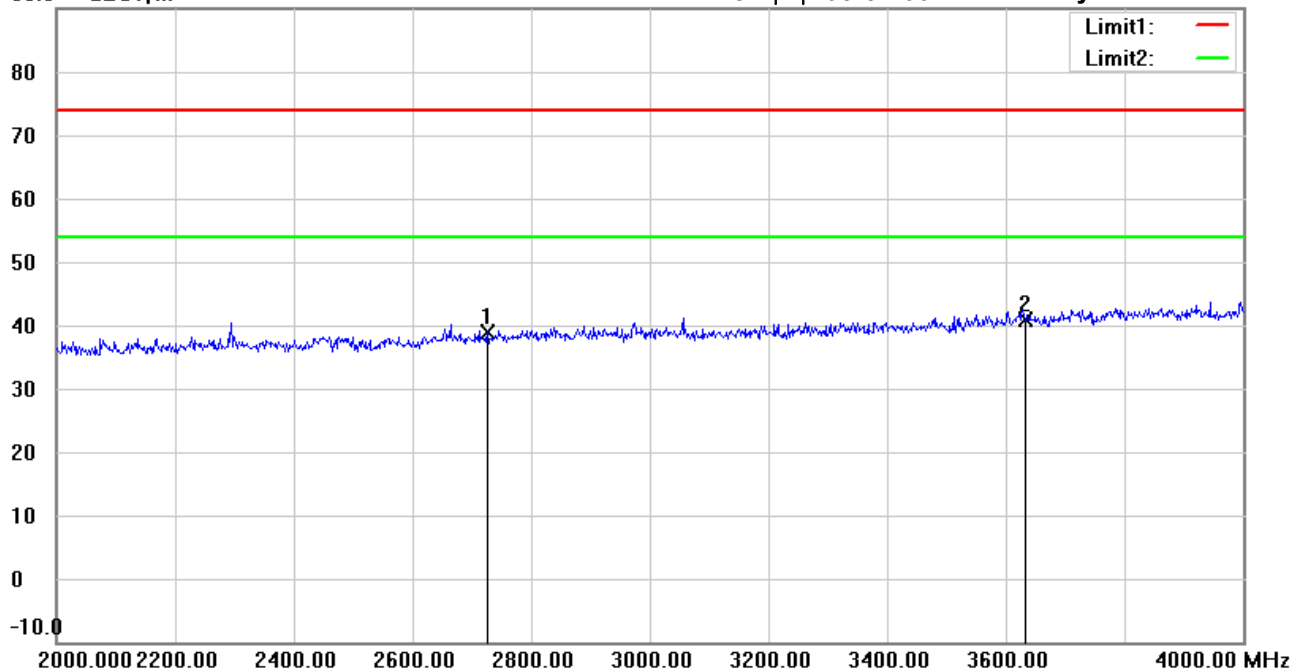
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:52:00

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2725.260	41.93	peak	-3.17	38.76	74.00	150	158	-35.24	
*	3633.680	41.23	peak	-0.30	40.93	74.00	150	33	-33.07	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #3

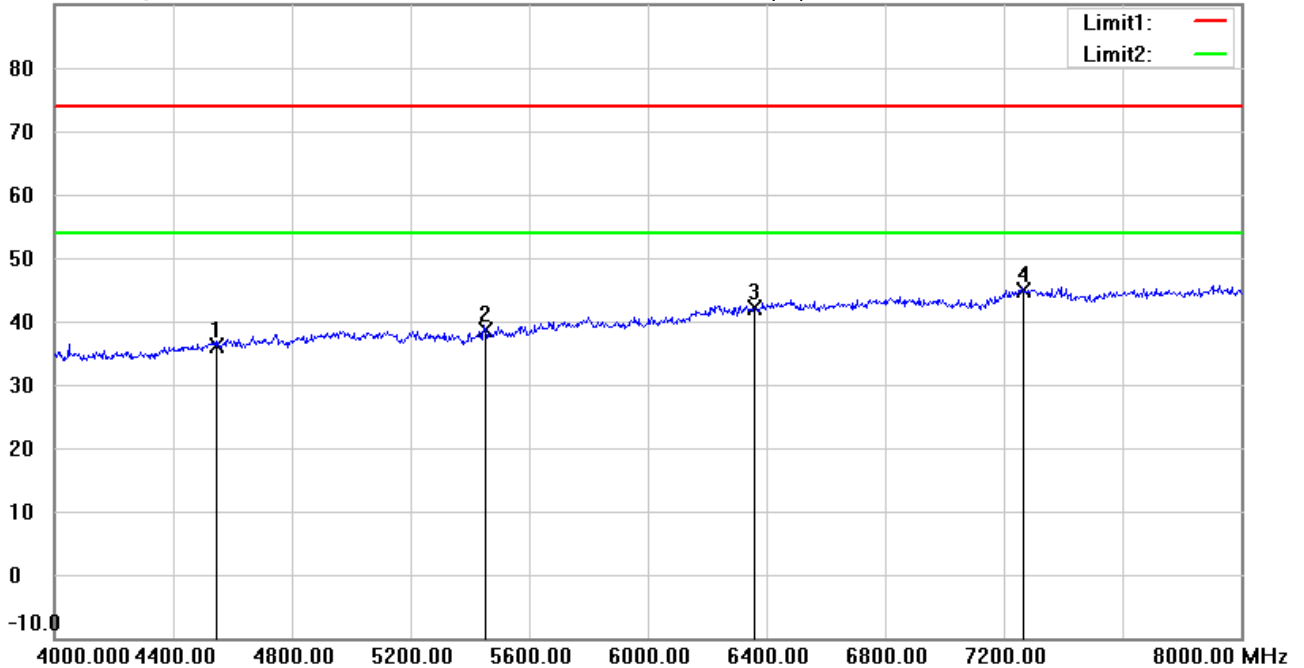
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:49:51

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4542.100	32.70	peak	3.40	36.10	74.00	150	111	-37.90	
	5450.520	33.38	peak	5.22	38.60	74.00	150	165	-35.40	
	6358.940	32.69	peak	9.36	42.05	74.00	150	335	-31.95	
*	7267.360	33.55	peak	11.30	44.85	74.00	150	85	-29.15	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #7

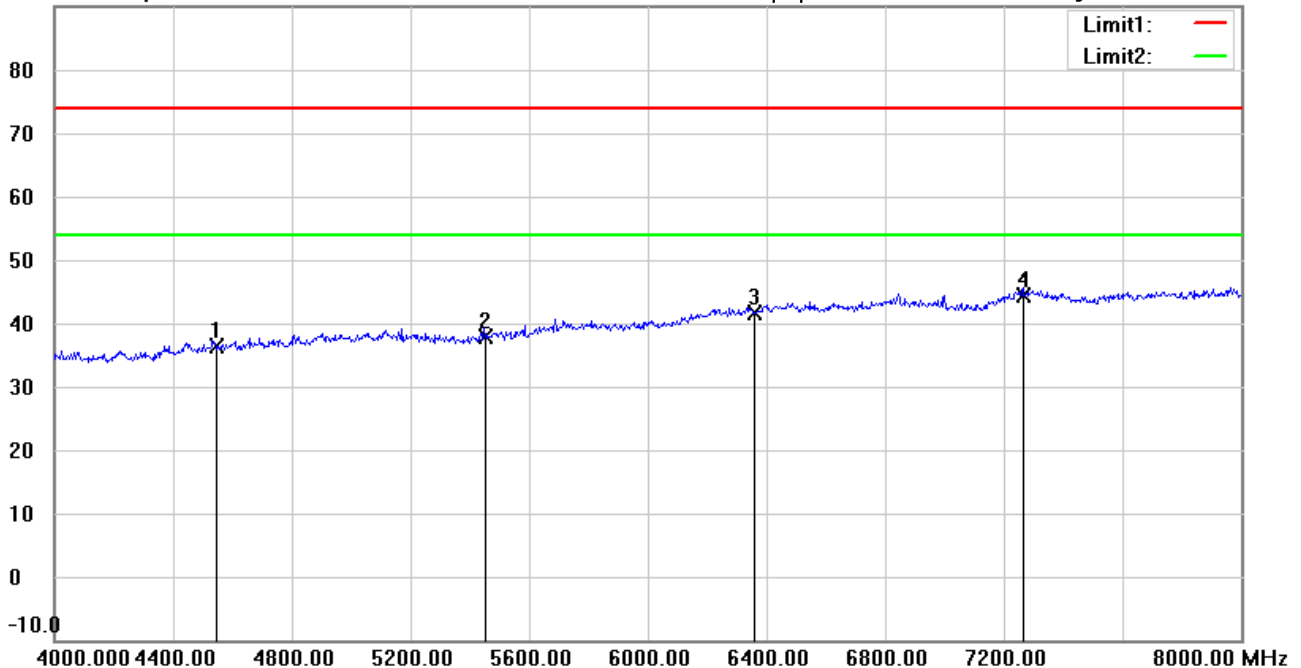
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:52:42

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: Vertical

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4542.100	33.03	peak	3.40	36.43	74.00	150	166	-37.57	
	5450.520	32.64	peak	5.22	37.86	74.00	150	34	-36.14	
	6358.940	32.34	peak	9.36	41.70	74.00	150	152	-32.30	
*	7267.360	33.20	peak	11.30	44.50	74.00	150	88	-29.50	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #4

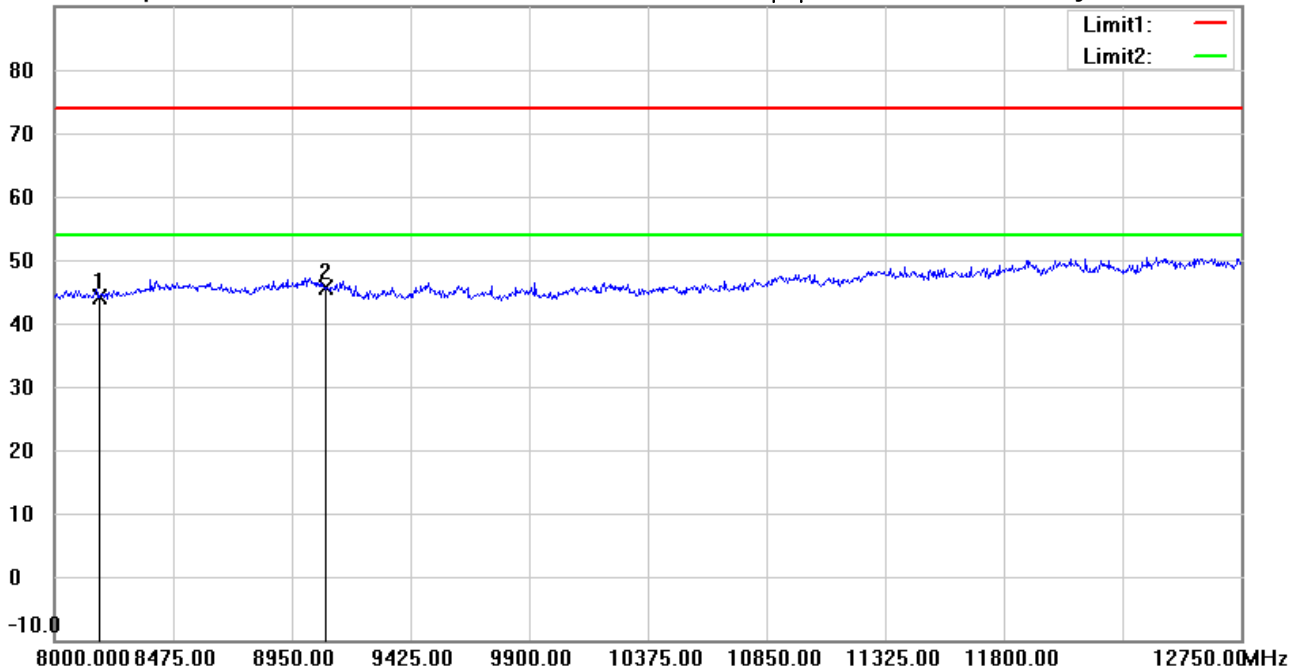
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:50:33

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: **Horizontal**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	8175.780	31.51	peak	12.53	44.04	74.00	150	359	-29.96	
*	9084.200	32.27	peak	13.27	45.54	74.00	150	188	-28.46	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #8

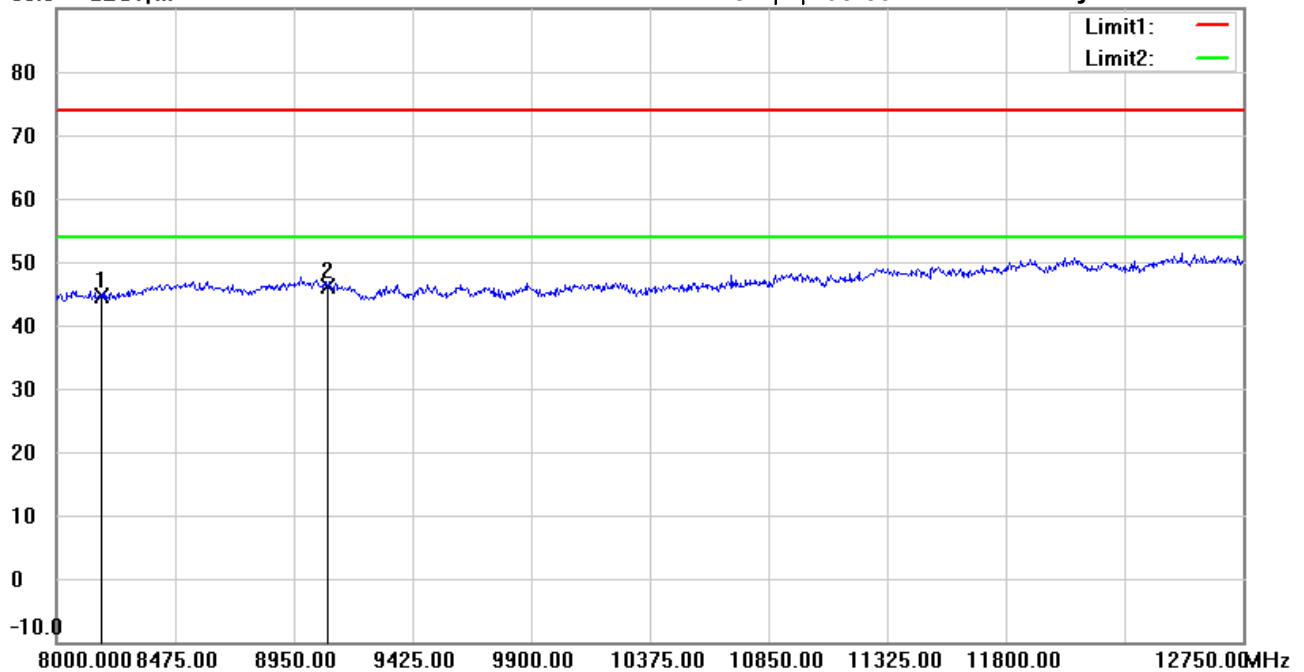
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 05:53:24

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 908.42MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	8175.780	32.04	peak	12.53	44.57	74.00	150	230	-29.43	
*	9084.200	32.92	peak	13.27	46.19	74.00	150	70	-27.81	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
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Radiated Emission Measurement

Operator: Kai

File : 3

Data : #1

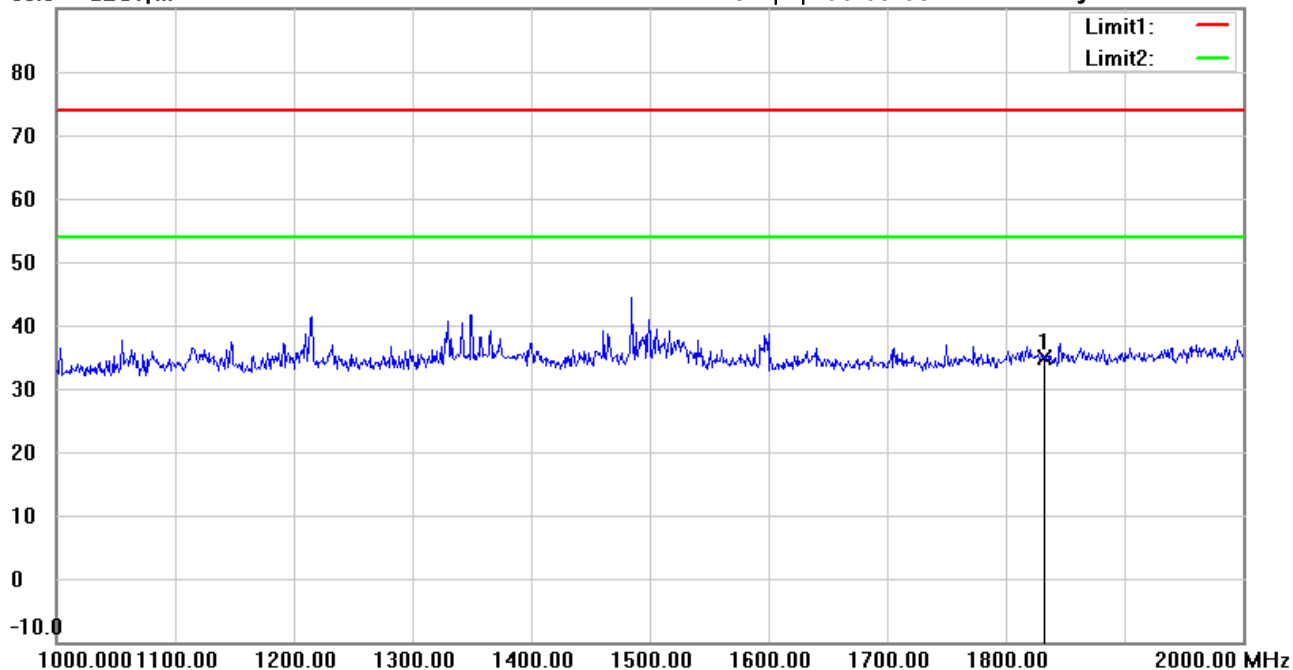
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:09:08

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1832.000	41.61	peak	-6.85	34.76	74.00	150	144	-39.24	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
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Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #5

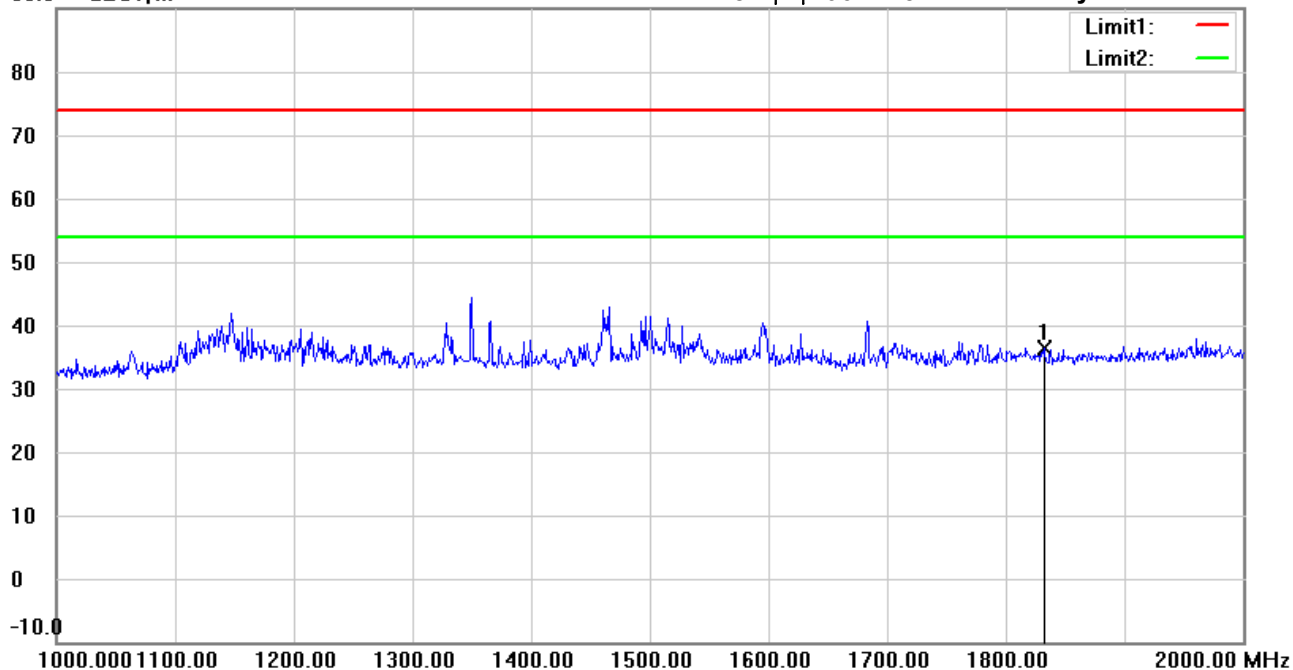
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:11:57

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	1832.000	43.20	peak	-6.85	36.35	74.00	150	57	-37.65	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #2

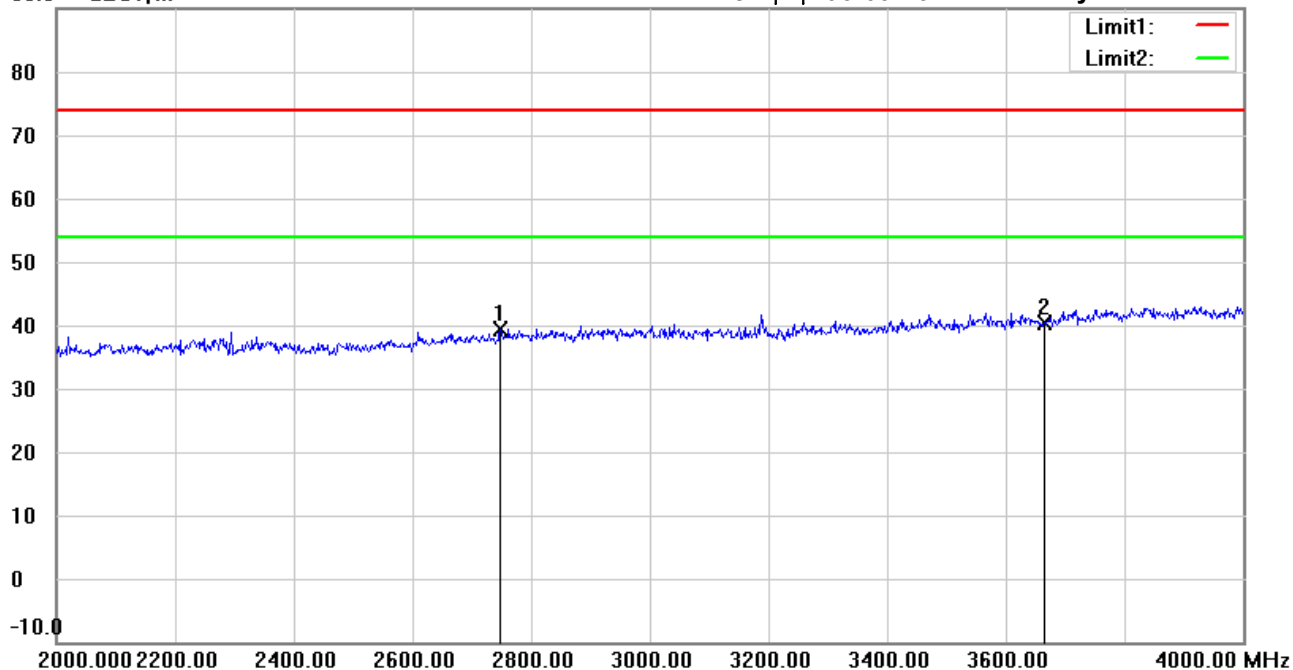
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:09:49

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: **Horizontal**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2748.000	42.49	peak	-3.11	39.38	74.00	150	57	-34.62	
*	3664.000	40.55	peak	-0.17	40.38	74.00	150	16	-33.62	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
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Radiated Emission Measurement

Operator: Kai

File : 3

Data : #6

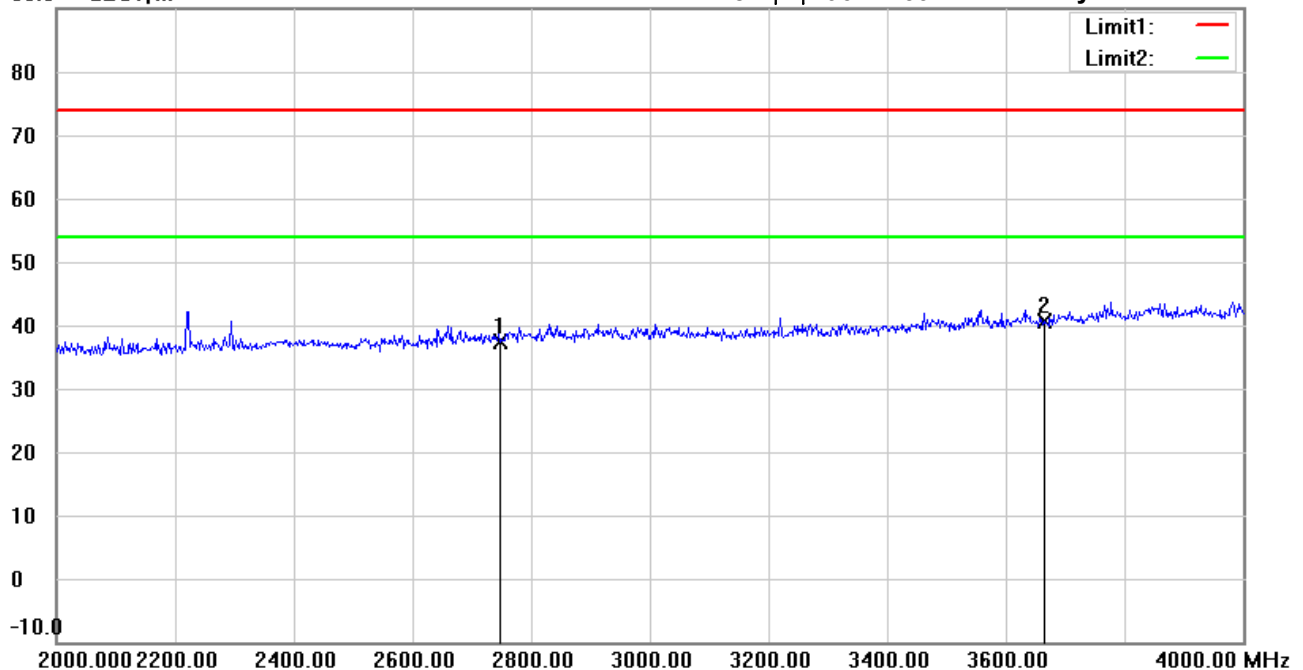
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:12:39

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2748.000	40.44	peak	-3.11	37.33	74.00	150	33	-36.67	
*	3664.000	40.74	peak	-0.17	40.57	74.00	150	6	-33.43	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #3

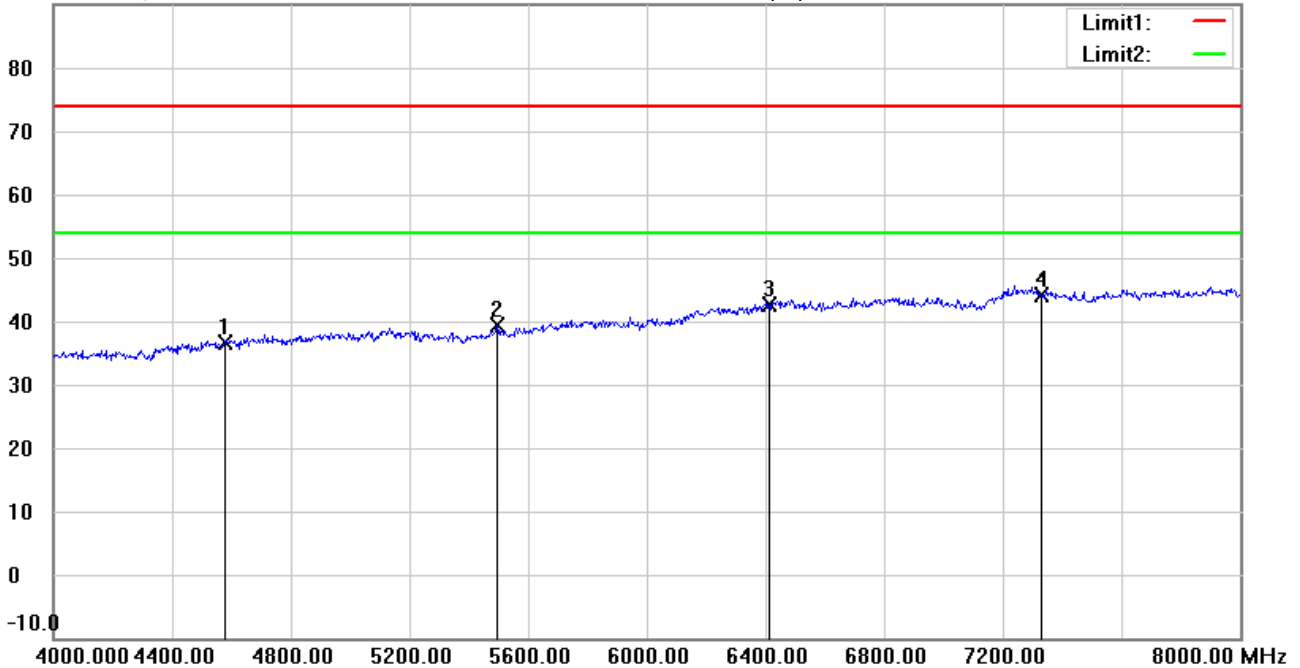
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:10:30

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4580.000	32.94	peak	3.62	36.56	74.00	150	285	-37.44	
	5496.000	33.78	peak	5.51	39.29	74.00	150	56	-34.71	
	6412.000	32.86	peak	9.73	42.59	74.00	150	156	-31.41	
*	7328.000	32.53	peak	11.50	44.03	74.00	150	10	-29.97	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #7

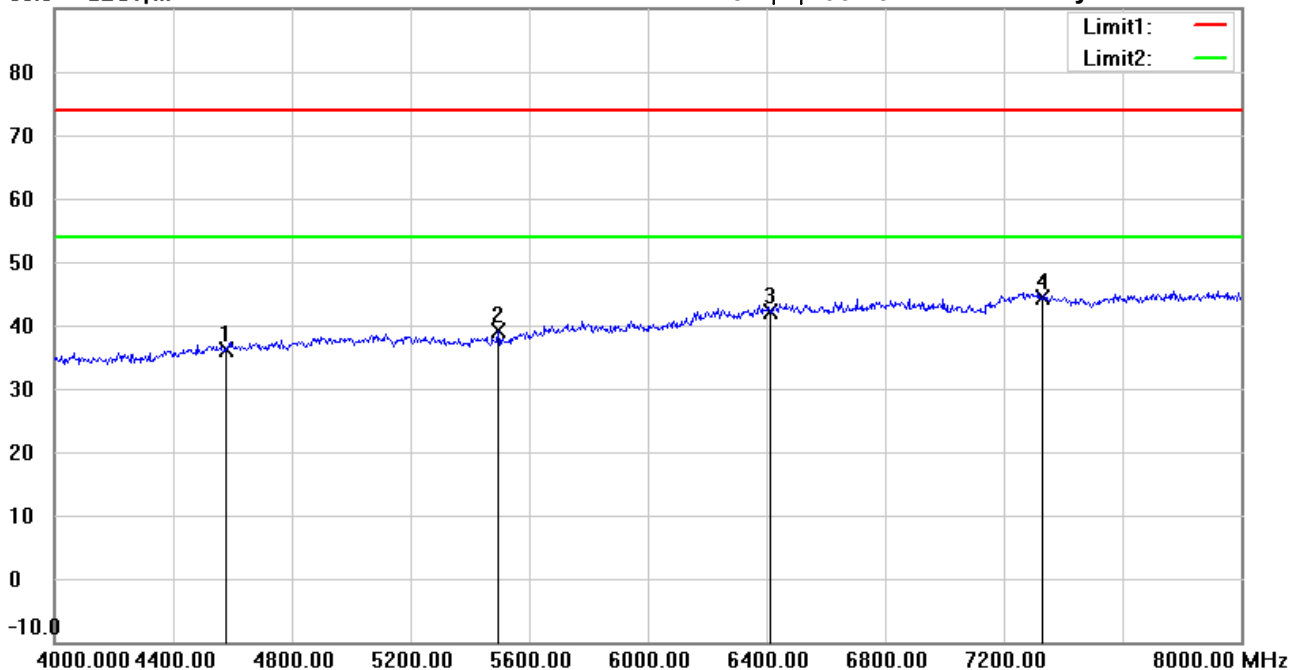
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:13:21

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	4580.000	32.61	peak	3.62	36.23	74.00	150	1	-37.77	
	5496.000	33.52	peak	5.51	39.03	74.00	150	222	-34.97	
	6412.000	32.50	peak	9.73	42.23	74.00	150	35	-31.77	
*	7328.000	32.90	peak	11.50	44.40	74.00	150	123	-29.60	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
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Radiated Emission Measurement

Operator: Kai

File : 3

Data : #4

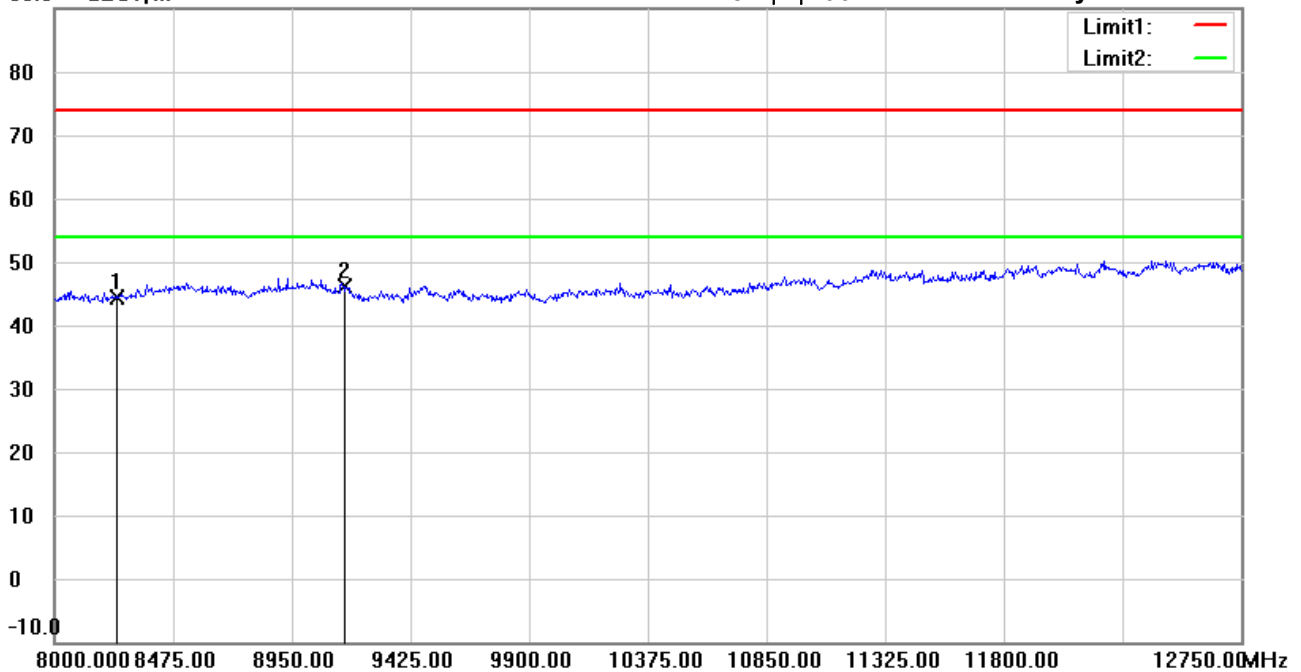
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:11:11

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	8244.000	31.83	peak	12.57	44.40	74.00	150	225	-29.60	
*	9160.000	32.97	peak	13.08	46.05	74.00	150	317	-27.95	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Kai

File : 3

Data : #8

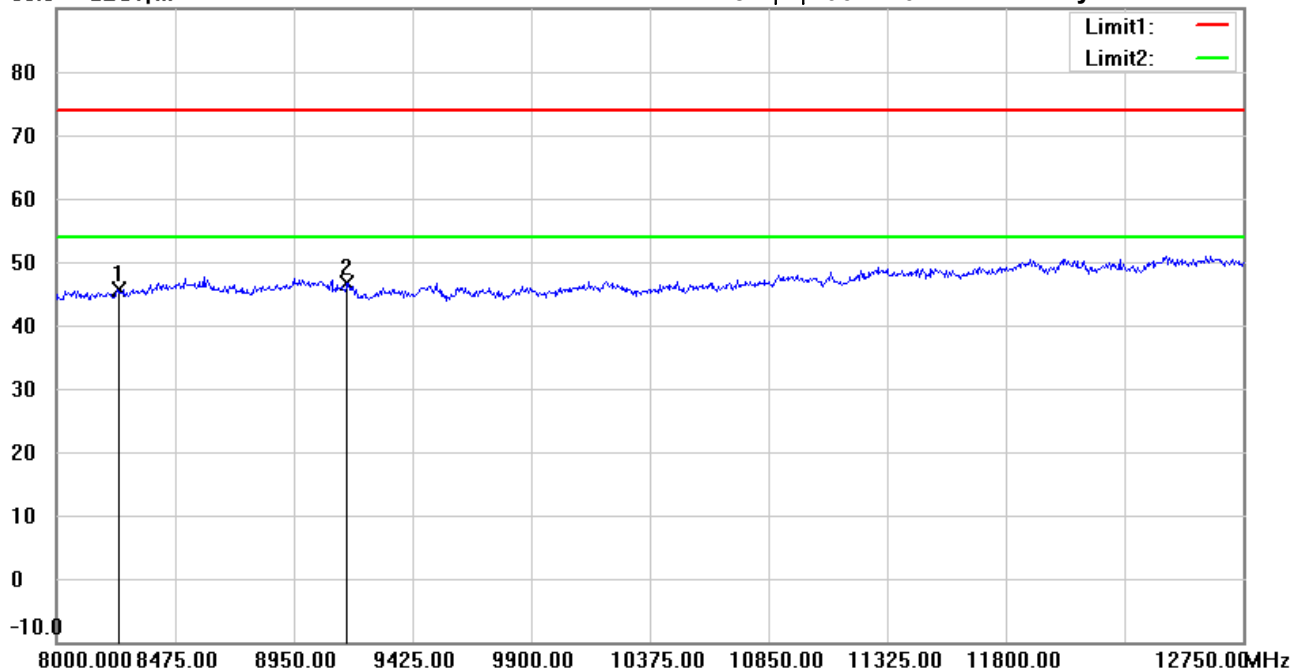
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 06:14:02

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : TX 916MHz

Note :

Polarization: Vertical

Power : 6 Vd.c.

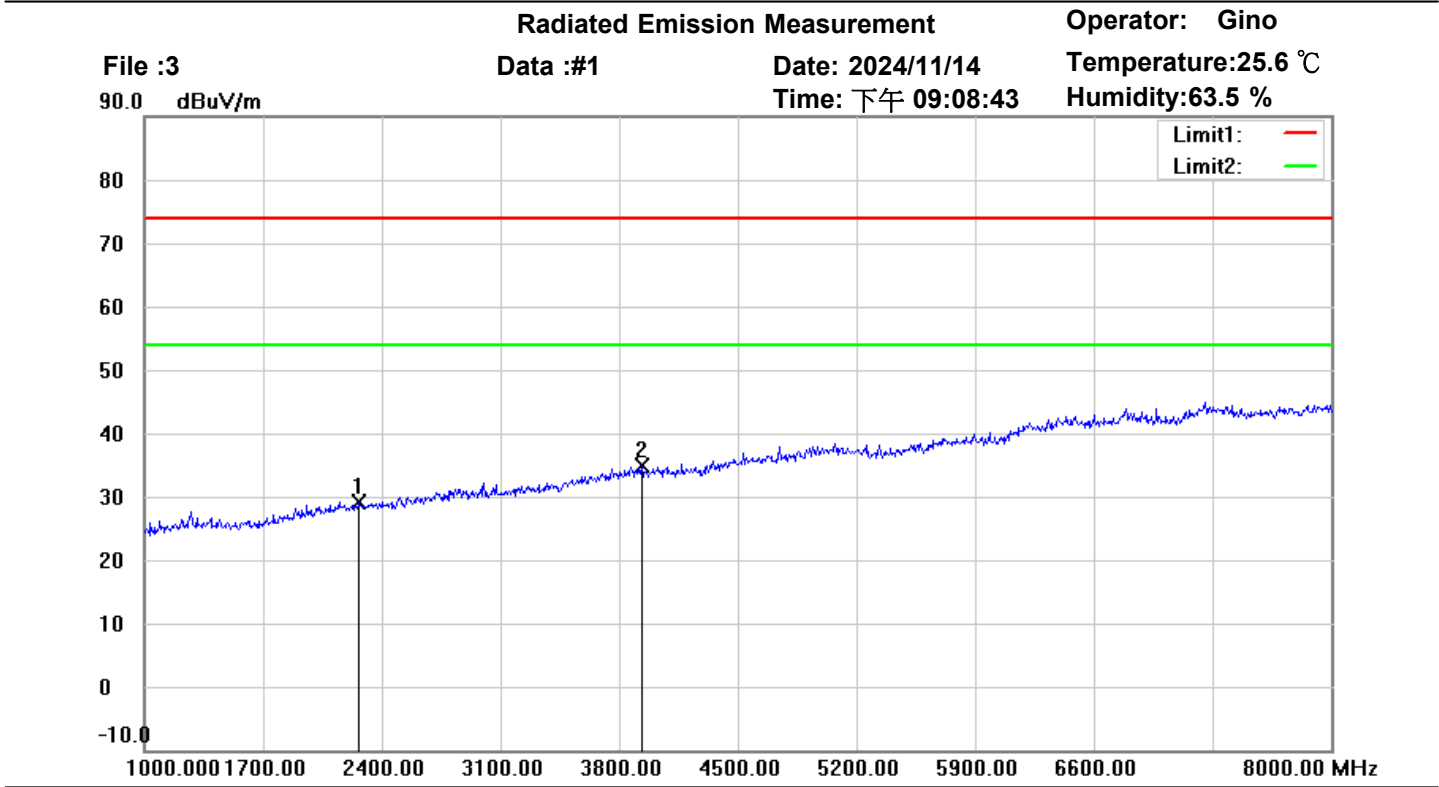
Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	8244.000	33.03	peak	12.57	45.60	74.00	150	258	-28.40	
*	9160.000	33.44	peak	13.08	46.52	74.00	150	71	-27.48	

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



Address:No.99,Sec.1,Balian Rd.,Xizhi Dist.,New Taipei City
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Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: Horizontal

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2267.000	33.66	peak	-4.42	29.24	74.00	150	200	-44.76	
*	3933.000	33.64	peak	1.22	34.86	74.00	150	136	-39.14	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File : 3

Data : #3

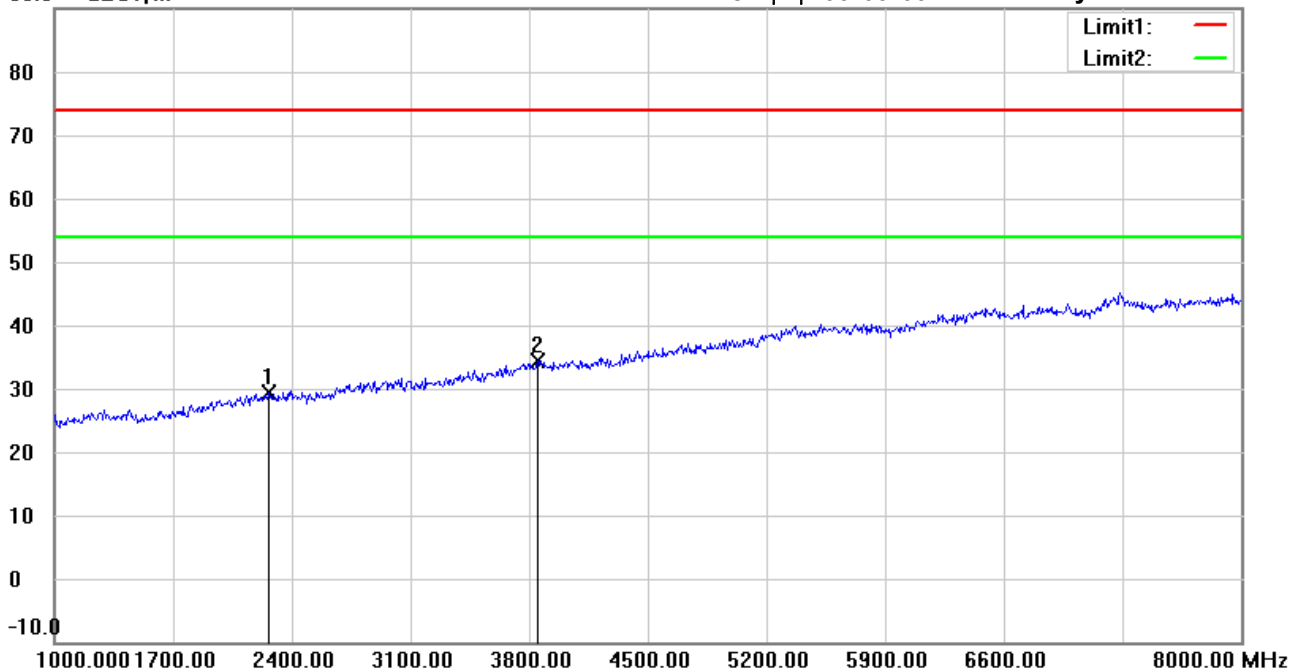
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:09:09

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2267.000	33.71	peak	-4.42	29.29	74.00	150	26	-44.71	
*	3849.000	33.48	peak	1.00	34.48	74.00	150	311	-39.52	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File : 3

Data : #2

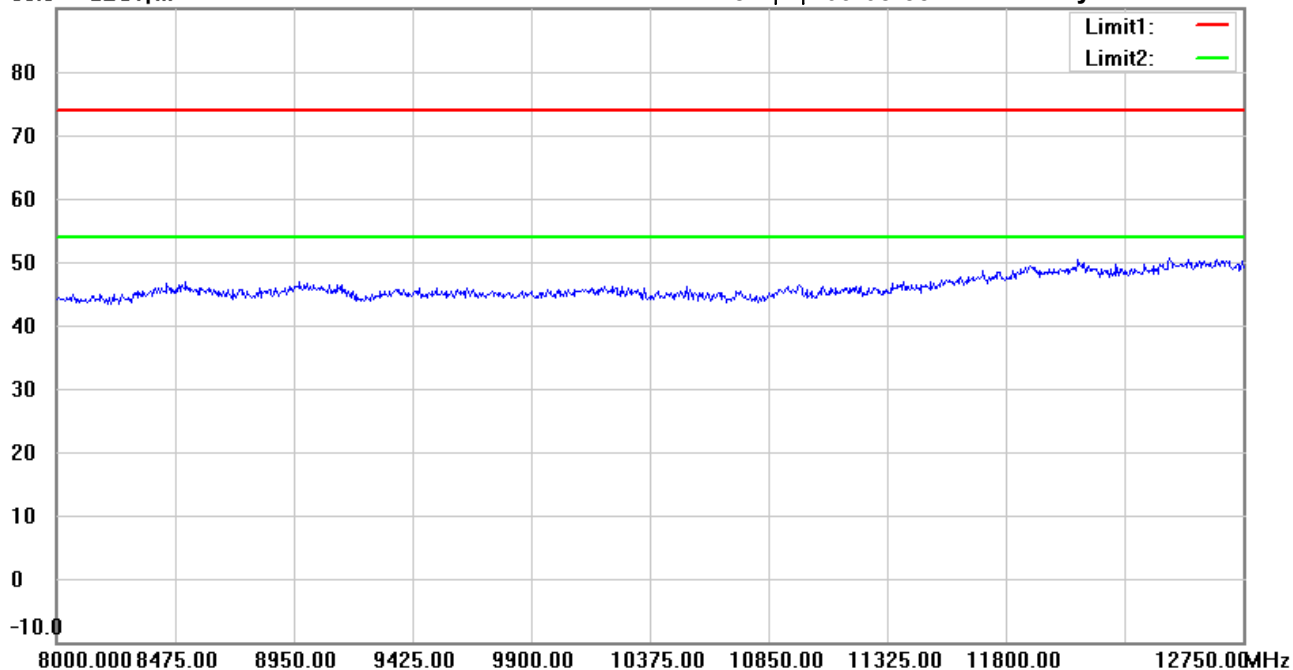
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:08:55

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: **Horizontal**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File : 3

Data : #4

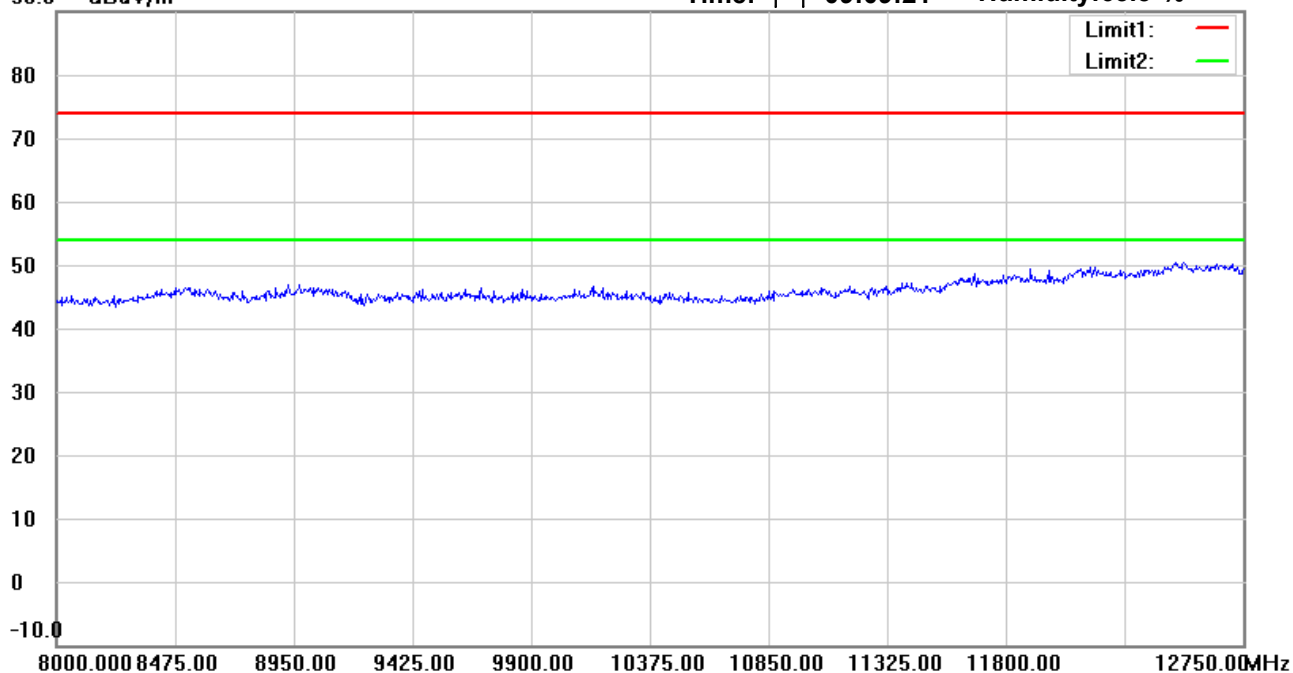
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:09:21

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 908.4MHz

Note :

Polarization: Vertical

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File : 3

Data : #1

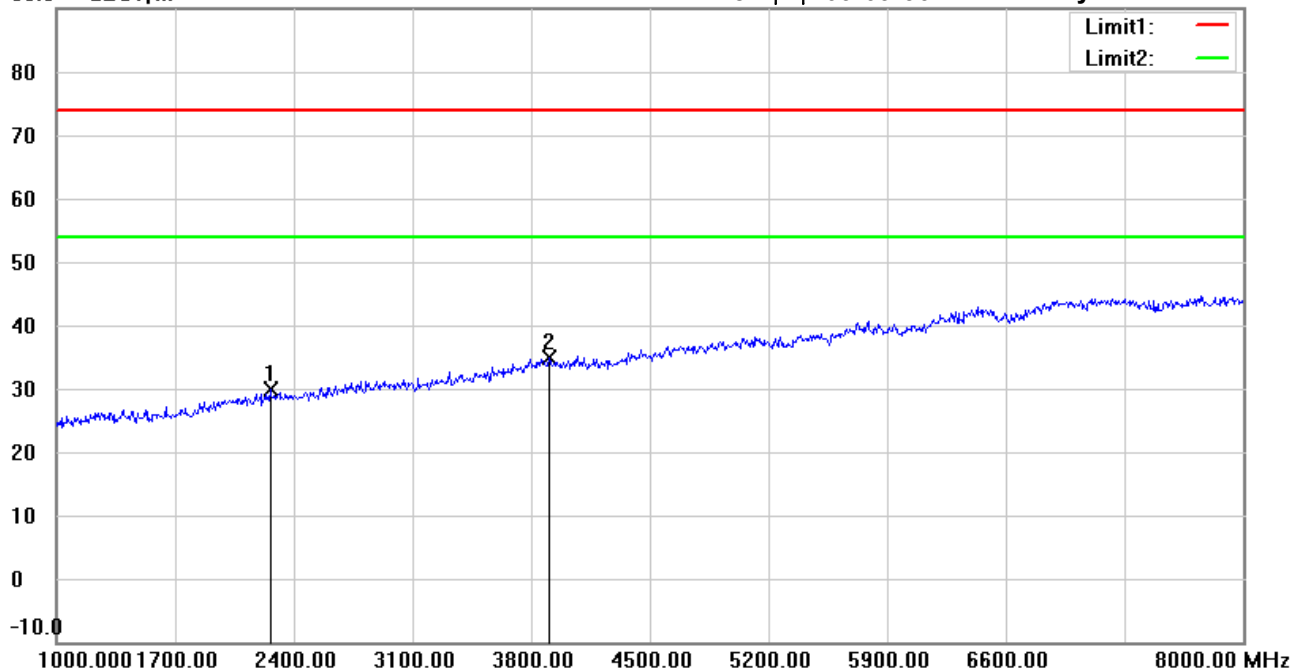
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:09:36

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2263.500	34.22	peak	-4.44	29.78	74.00	150	241	-44.22	
*	3905.000	33.54	peak	1.24	34.78	74.00	150	11	-39.22	

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



Address: No. 99, Sec. 1, Balian Rd., Xizhi Dist., New Taipei City
Tel: +886-2-2646-1508
Fax: +886-2-2646-1533

Radiated Emission Measurement

Operator: Gino

File : 3

Data : #3

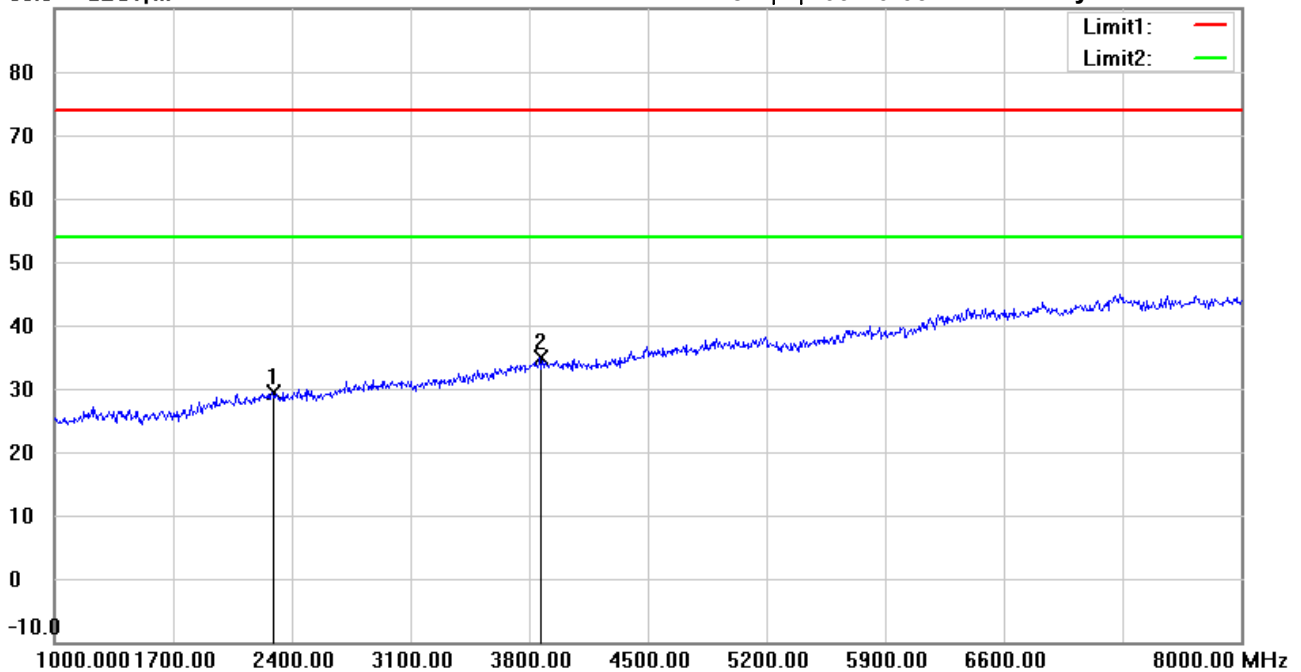
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:10:03

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2284.500	33.67	peak	-4.35	29.32	74.00	150	17	-44.68	
*	3866.500	33.87	peak	1.08	34.95	74.00	150	113	-39.05	

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



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Radiated Emission Measurement

Operator: Gino

File : 3

Data : #2

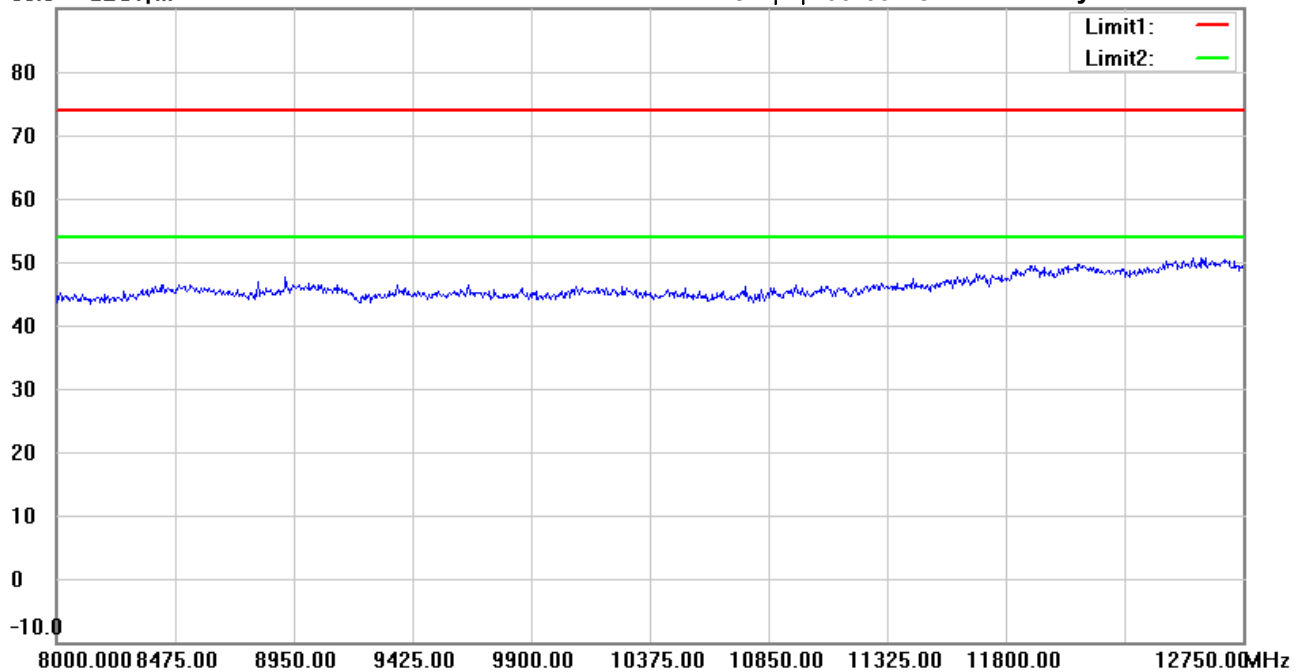
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:09:48

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 908.42MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Gino

File : 3

Data : #4

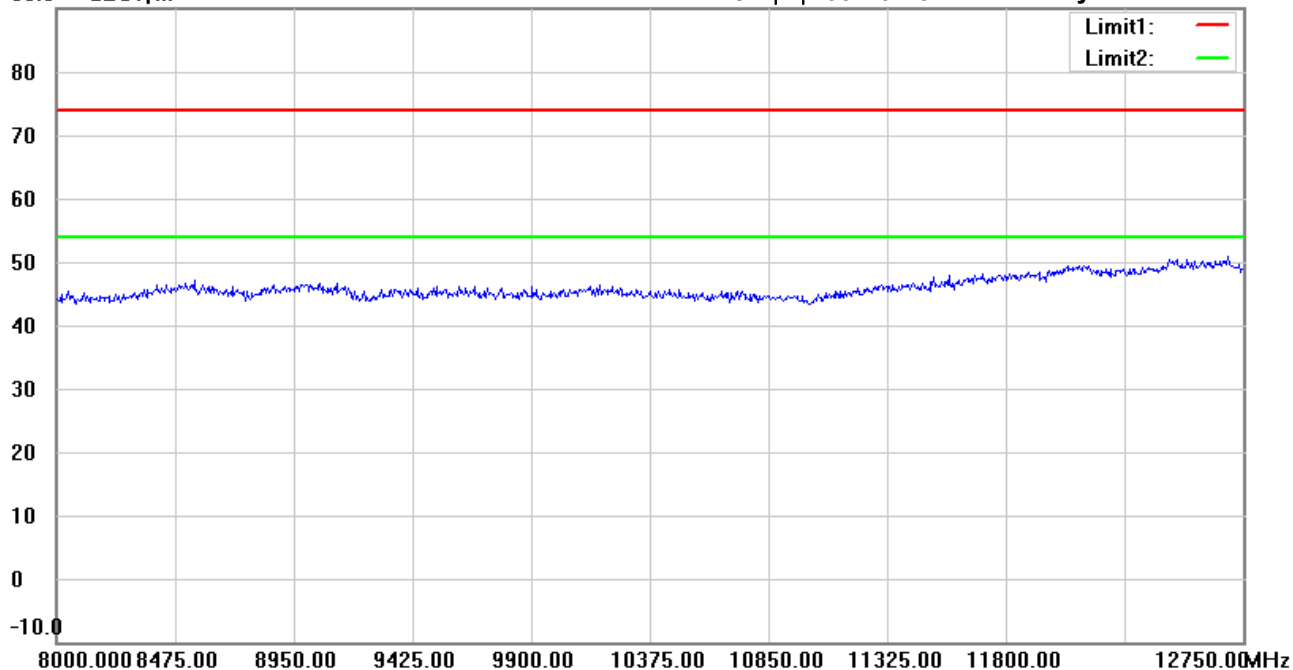
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:10:15

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

Polarization: Vertical

EUT : W6M22410-23836

Power : 6 Vd.c.

M/N:

Distance: 3m

Test Mode : RX 908.42MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Gino

File : 3

Data : #1

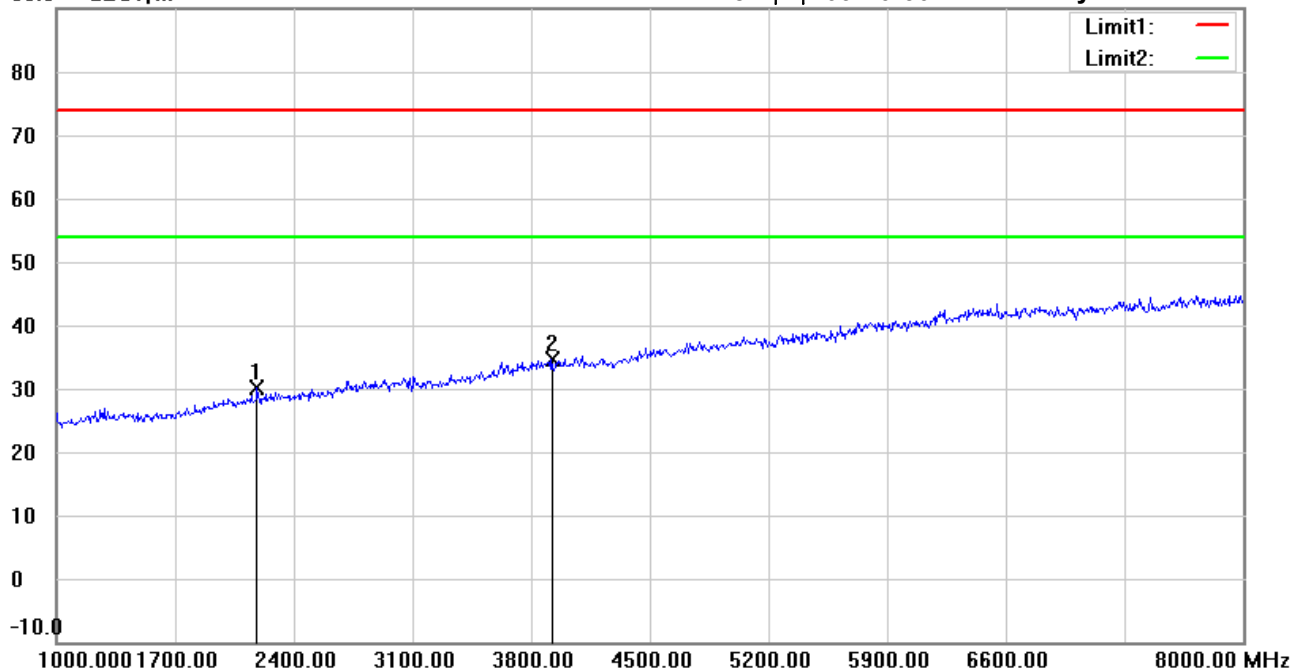
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:10:30

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2183.000	35.00	peak	-4.77	30.23	74.00	150	187	-43.77	
*	3922.500	33.38	peak	1.23	34.61	74.00	150	246	-39.39	

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



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Radiated Emission Measurement

Operator: Gino

File : 3

Data : #3

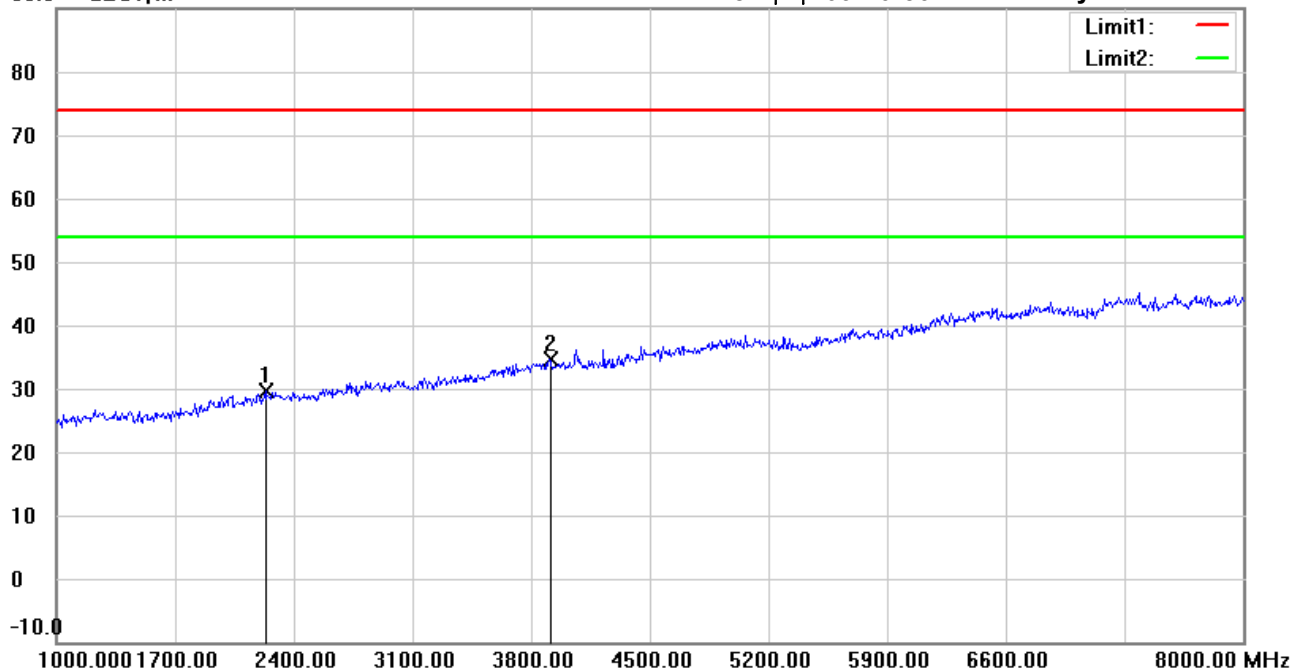
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:10:56

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 916MHz

Note :

Polarization: **Vertical**

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2235.500	34.17	peak	-4.55	29.62	74.00	150	115	-44.38	
*	3908.500	33.35	peak	1.23	34.58	74.00	150	23	-39.42	

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



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Radiated Emission Measurement

Operator: Gino

File : 3

Data : #2

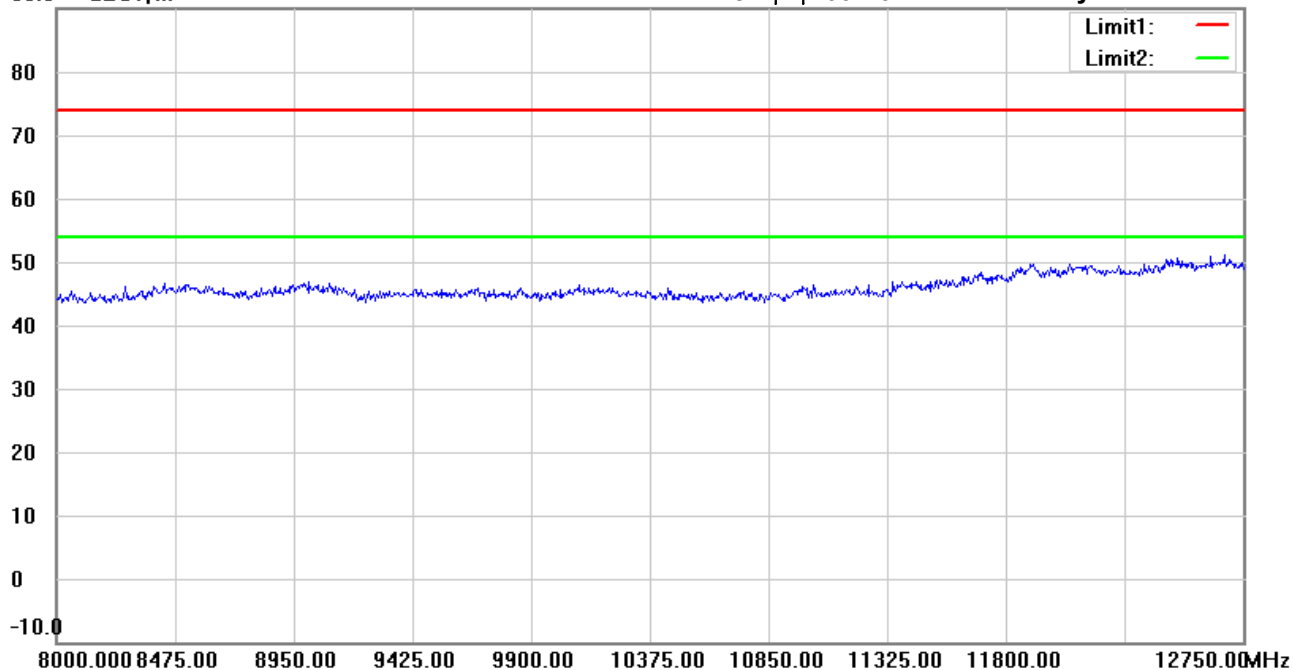
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:10:42

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

EUT : W6M22410-23836

M/N:

Test Mode : RX 916MHz

Note :

Polarization: *Horizontal*

Power : 6 Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin



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Radiated Emission Measurement

Operator: Gino

File : 3

Data : #4

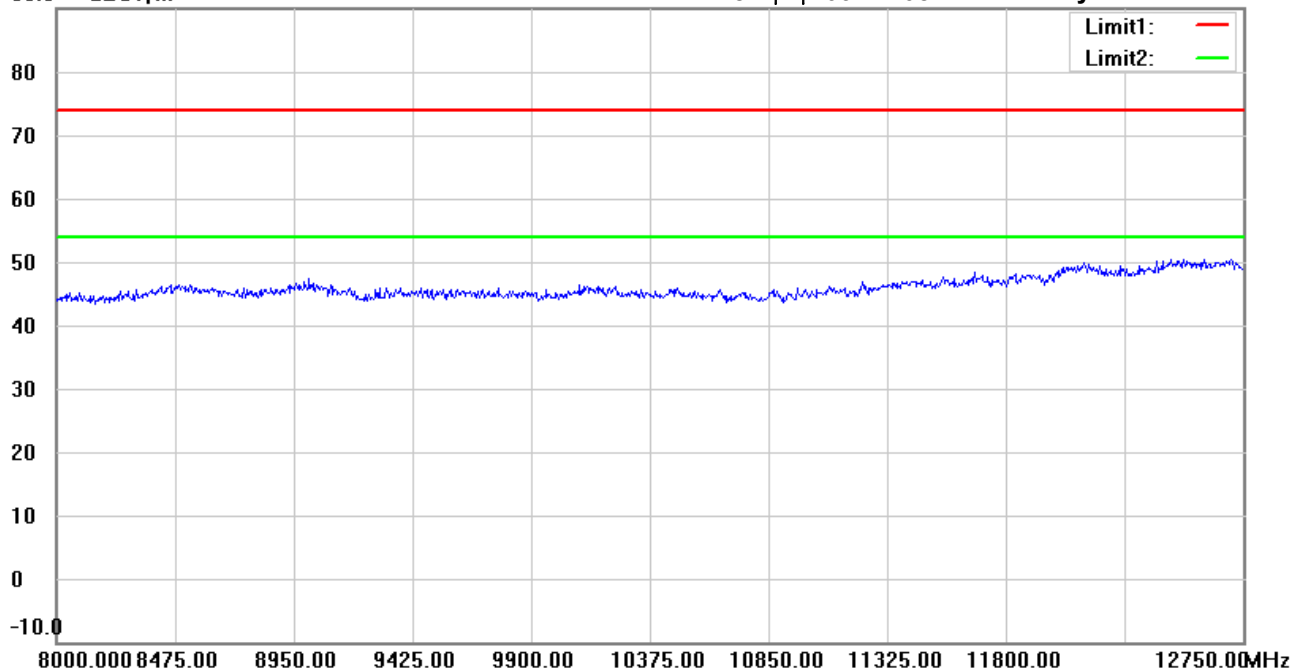
Date: 2024/11/14

Temperature: 25.6 °C

90.0 dBuV/m

Time: 下午 09:11:08

Humidity: 63.5 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class B_Above 1GHz_PK

Polarization: Vertical

EUT : W6M22410-23836

Power : 6 Vd.c.

M/N:

Distance: 3m

Test Mode : RX 916MHz

Note :

Mk.	Frequency (MHz)	Reading (dBuV)	Detector	Corr. factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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*:Maximum data x:Over limit !:over margin