

47 CFR PART 15 SUBPART C TEST REPORT

for

Transmitter

Model No.: ACT-58TW

FCC ID: M5X-ACT58TW

of

Applicant: Mipro Electronics Co Ltd

Address: 814, Beigang Rd., Chiayi City 600079 Taiwan

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.: W6M22405-23490-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: wtls@wtls-lab.com



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	2
1.1	NOTES.....	2
1.2	TESTING LABORATORY	3
1.2.1	Location	3
1.2.2	Details of accreditation status	3
1.3	DETAILS OF APPROVAL HOLDER.....	3
1.4	APPLICATION DETAILS	3
1.5	GENERAL INFORMATION OF TEST ITEM	4
1.6	TEST STANDARDS.....	6
2	TECHNICAL TEST.....	7
2.1	SUMMARY OF TEST RESULTS	7
2.2	TEST ENVIRONMENT	7
2.3	TEST EQUIPMENT LIST	8
2.4	TEST PROCEDURE	9
3	TEST RESULTS (ENCLOSURE)	12
3.1	PEAK TRANSMIT POWER, FCC 15.407 (A)	13
3.2	26dB EMISSION BANDWIDTH, 99% OCCUPIED BANDWIDTH, FCC 15.407 (A)	15
3.3	6dB EMISSION BANDWIDTH, 99% OCCUPIED BANDWIDTH, FCC 15.407 (A).....	16
3.4	PEAK POWER SPECTRAL DENSITY, FCC 15.407 (A)	18
3.5	UNDESIRABLE EMISSION LIMITS, FCC 15.407 (B)	20
3.6	AUTOMATIC DISCONTINUATION OF TRANSMISSION, FCC 15.407 (C).....	22
3.7	RESERVED, FCC 15.407 (D).....	22
3.8	INDOOR OPERATION RESTRICTION, FCC 15.407 (E)	22
3.9	TRANSMIT POWER CONTROL (TPC)	22
3.10	DYNAMIC FREQUENCY SELECTION (DFS)	23
3.10.1	DFS Detection Threshold	23
3.10.2	UNII Detection Bandwidth	23
3.10.3	Initial Channel Availability Check Time-5500 MHz	23
3.10.4	Radar Burst at the Beginning of the Channel Availability Check Time-5500 MHz	23
3.10.5	Radar Burst at the End of the Channel Availability Check Time- 5500 MHz	23
3.10.6	In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time 24 and Non-Occupancy Period	
3.10.7	Statistical Performance Check.....	24
3.11	RADIATED EMISSIONS FROM RECEIVER PART	25
3.12	POWER LINE CONDUCTED EMISSION	26



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Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

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.

Specific Conditions:

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

Tester:

August 28, 2024

Rick Chen

Rick Chen.

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

August 28, 2024

Kevin Wang

Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

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.)

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, 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: ./.

1.3 Details of approval holder

Name: Mipro Electronics Co Ltd

Street: 814, Beigang Rd.,

Town: Chiayi City 600079

Country: Taiwan

1.4 Application details

Date of receipt of test item: June 05, 2024

Date of test: from June 06, 2024 to August 27, 2024



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

1.5 General information of Test item

Type of test item: Transmitter
Model number: ACT-58TW
Brand name: MIPRO
Multi-listing model number: ACT-XXXXX (X=0~9 , a~z , A~Z or Blank)
Sample no.: #02

Technical data

Frequency band: 5.725 GHz-5.850 GHz

Band	Mode	Channel	Conducted Power (dBm)
NII-3	GFSK	Ch 1 : 5735 MHz	11.56
		Ch 2 : 5787 MHz	11.21
		Ch 3 : 5839 MHz	11.39

Operating modes: Duplex
Type of modulation: GFSK
Fixed point to point operation: Yes / No
Antenna: Monopole antenna
Antenna gain: 2.5 dBi
Power supply: Battery 1.5Vd.c.*2

Classification:

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

Manufacturer: (if applicable)

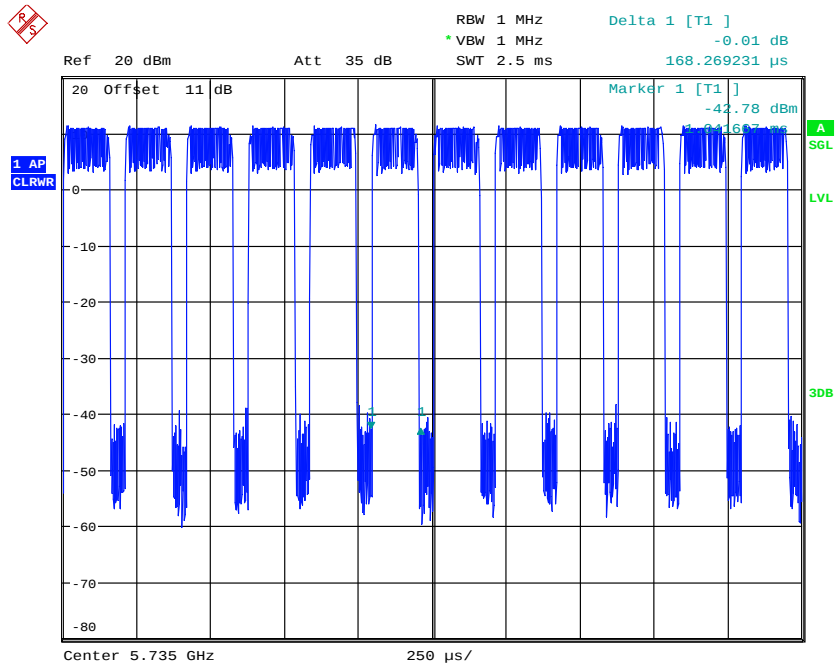
Name: ./.
Street: ./.
Town: ./.
Country: ./.



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

Duty cycle

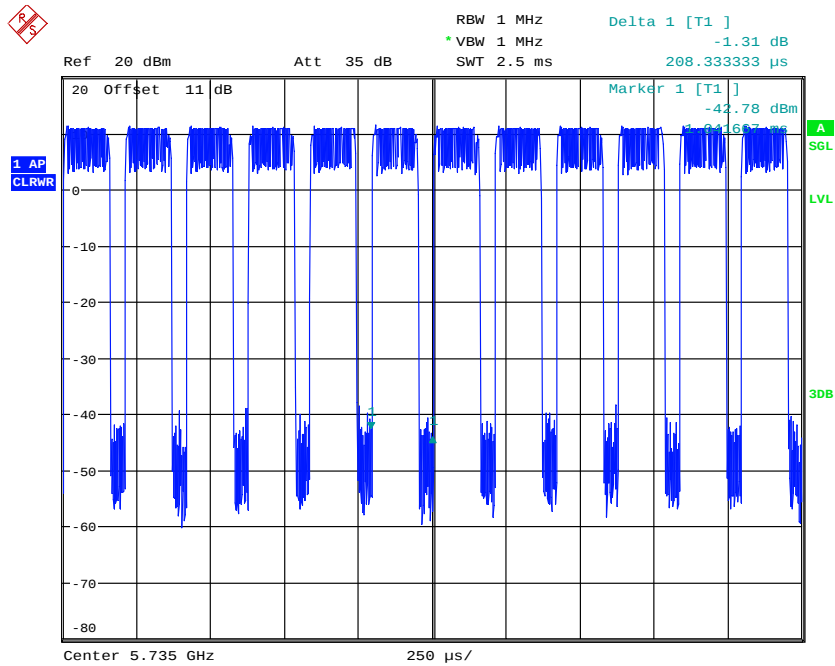
Mode	T _{on} (ms)	T _{on} +T _{off} (ms)	Duty cycle (%)	Duty Factor (dB)	1/T - VBW (kHz)
GFSK	0.168	0.208	80.77%	0.93	5.95



DUTY
Date: 26.JUL.2024 19:53:36



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



DUTY
Date: 26.JUL.2024 19:53:58

1.6 Test standards

Technical standard : 47 CFR PART 15 SUBPART E § 15.407 (2023-10)



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

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: 5Vd.c., 0.9A

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) (Undesirable emission limits, 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 Bandwidth Measurement (26dB emission bandwidth, 99% Occupied Bandwidth, 6dB emission bandwidth, 99% Occupied Bandwidth)	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Transmit Power)	Expanded Uncertainty : 1.64 dB
Estimation Result of Uncertainty of Power Density Measurement (Peak Power Spectral Density)	Expanded Uncertainty : 1.64 dB
Estimation Result of Uncertainty of EIRP Measurement (Equivalent Isotropic Radiated Power (EIRP), Radiated Emissions from Receiver Part)	Expanded Uncertainty : 30-200MHz : 3.49 dB 200-1000MHz : 3.49 dB 1-18GHz : 4.81 dB 18-40GHz : 3.94 dB
Estimation Result of Uncertainty of DFS Timing (Dynamic Frequency Selection (DFS), Channel Move Time, Channel Closing Transmission Time)	Expanded Uncertainty : 587.89 us
Estimation Result of Uncertainty of DFS Threshold (Dynamic Frequency Selection (DFS), Channel Move Time, Channel Closing Transmission Time)	Expanded Uncertainty : 1.00 dB

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



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

2.3 Test Equipment List

Max Output Power & Power Density & OBW & 6dB 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

MASK & 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	2024/4/10	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+	



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

2.4 Test Procedure

The test procedures are performed following the test stands ANSI STANDARD C63.10 and FCC 789033 D02 General UNII Test Procedures New Rules v01r04.

■ Minimum Emission Bandwidth for the band 5.150-5.250 GHz, 5.725-5.850 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described above.

■ 99 Percent Occupied Bandwidth

The 99-percent occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99-percent occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in section H)3)d). Measurements of 99-percent occupied bandwidth may also optionally be used in lieu of the 6-dB emission bandwidth to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in section E). However, the 6-dB bandwidth must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

The following procedure shall be used for measuring (99 %) power bandwidth.

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

■ Maximum conducted output power

- (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.
- (ii) Set RBW = 1 MHz.
- (iii) Set VBW $\geq$ 3 MHz.
- (iv) Number of points in sweep $\geq$ 2 Span / RBW. (This ensures that bin-to-bin spacing is $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)
- (v) Sweep time = auto.
- (vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle $\geq$ 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to “free run”.
- (viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
- (ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the spectrum.

■ Power Density

The rules requires “maximum power spectral density” measurements where the intent is to measure the maximum value of the time average of the power spectral density measured during a period of continuous transmission.

1. Create an average power spectrum for the EUT operating mode being tested by following the instructions in section II.E.2. for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, “Compute power...”. (This procedure is required even if the maximum conducted output power measurement was performed using a power meter, method PM.)
2. Use the peak search function on the instrument to find the peak of the spectrum and record its value.
3. Make the following adjustments to the peak value of the spectrum, if applicable:
 - a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum.
 - b) If Method SA-3 Alternative was used and the linear mode was used in step II.E.2.g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging.
4. The result is the Maximum PSD over 1 MHz reference bandwidth.
5. For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus



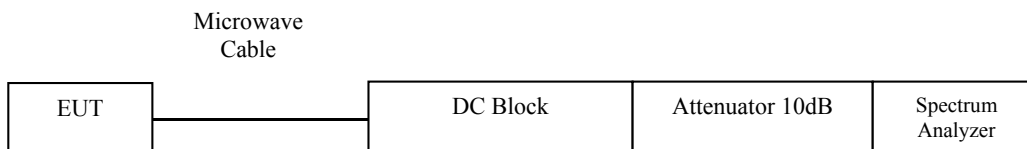
Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.1.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ kHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ kHz}$ is available on nearly all spectrum analyzers.

Conducted measurement test setup





Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3 Test results (enclosure)

Test case	Para. Number	Required	Test passed	Test failed
Peak Transmit Power	15.407(a)	☒	☒	☐
6-dB emission bandwidth	15.407(a)	☒	☒	☐
26-dB emission bandwidth	15.407(a)	☐	☐	☐
99 % Occupied Bandwidth	789033 D02 General U-NII Test Procedures New Rules v02r01	☒	☒	☐
Peak Power Spectral Density	15.407(a)	☒	☒	☐
Undesirable emission limits	15.407(b)	☒	☒	☐
Radio Frequency Exposure	15.407(f)	☒	☒	☐
Transmit Power Control	15.407(h)	☐	☐	☐
Dynamic Frequency Selection (DFS)	15.407(h)	☐	☐	☐
UNII Detection Bandwidth	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.1	☐	☐	☐
Initial Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.1	☐	☐	☐
Radar Burst at the Beginning of the Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.2	☐	☐	☐
Radar Burst at the End of the Channel Availability Check Time	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.2.3	☐	☐	☐
In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.3	☐	☐	☐
Statistical Performance Check	905462 D02 UNII DFS Compliance Procedures New Rules v02 – 7.8.4	☐	☐	☐
Radiated Emission from Receiver Part	15.109	☐	☐	☐
AC Conducted Emissions	15.207	☐	☐	☐

The following is intentionally left blank.



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3.1 Peak Transmit Power, FCC 15.407 (a)

According to §15.407(a)

1. For the band 5.15-5.25 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W) for master device and 24 dBm (250 mW) for mobile/portable client device.
2. For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 24 dBm (250 mW) or $11\text{dBm} + 10 \log B$, whichever is lower ($B=26\text{-dB emission BW}$).
3. For the band 5.725-5.850 GHz, the maximum conducted power over the frequency of operation shall not exceed the lesser of 30 dBm (1 W).

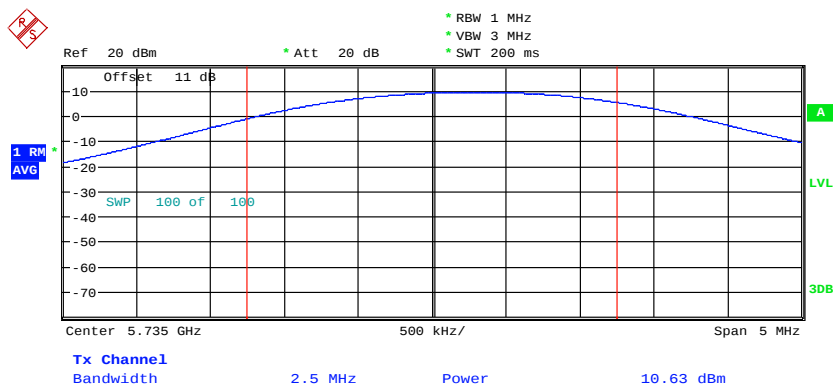
Test date: July 26, 2024

Temperature: 27.2 °C

Humidity: 52.8 %

Tester: Rick

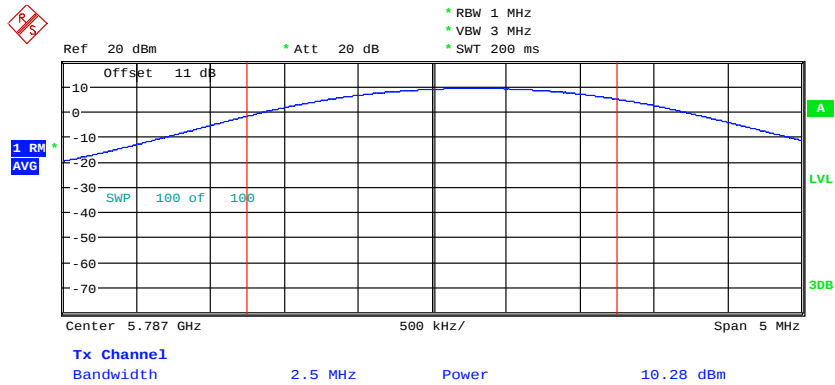
Band	Mode	Channel	Conducted power with DF (dBm)	DF (dB)	Limit (dBm)
NII-3	GFSK	Ch 1 : 5735 MHz	11.56	0.93	30
		Ch 2 : 5787 MHz	11.21	0.93	30
		Ch 3 : 5839 MHz	11.39	0.93	30



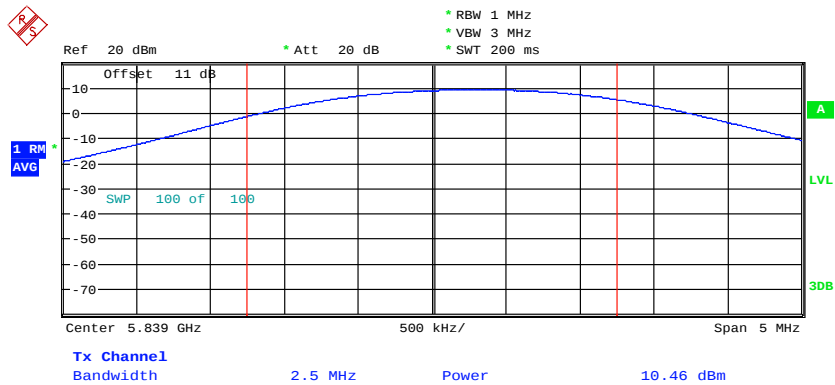
MAX OUTPUT POWER 5735MHZ
Date: 26.JUL.2024 19:06:37



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



MAX OUTPUT POWER 5787MHz
Date: 26.JUL.2024 19:04:07



MAX OUTPUT POWER 5839MHz
Date: 26.JUL.2024 18:58:08



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

3.2 26dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

Test date: --

Temperature: -- °C

Humidity: -- %

Tester: --

Explanation: This test is not required because the EUT frequency used is 5.725~5.85GHz..

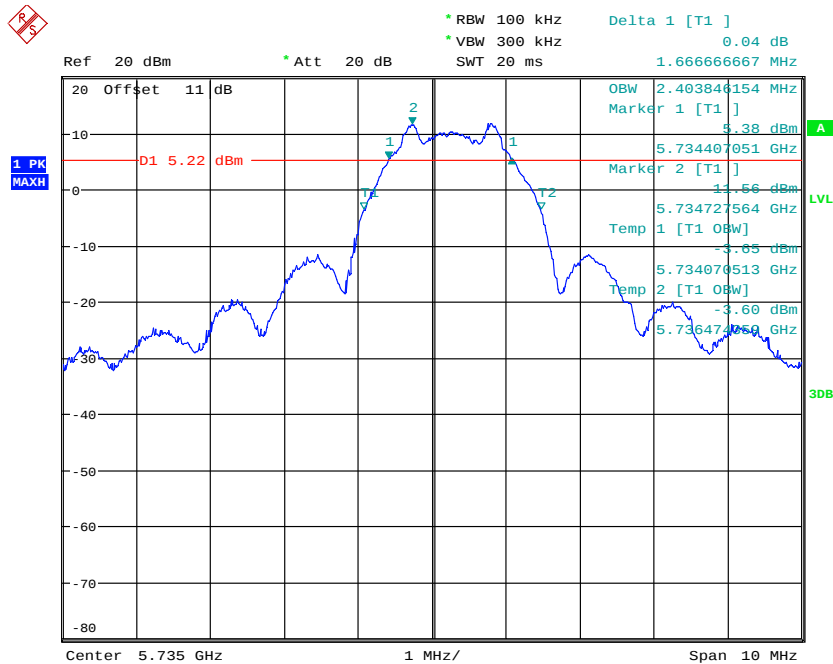


Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3.3 6dB emission bandwidth, 99% Occupied Bandwidth, FCC 15.407 (a)

According to §15.407(a). No Limit required.

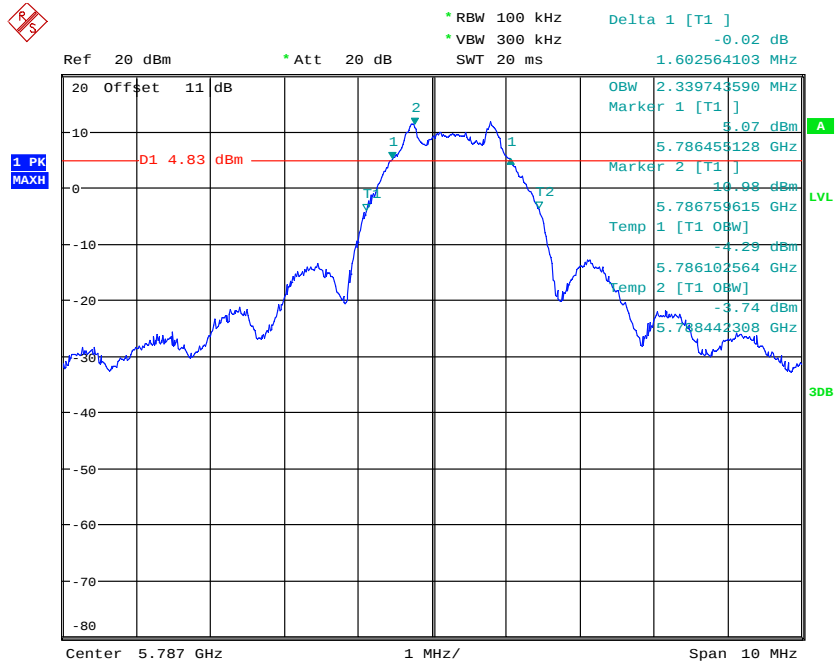
Test date: July 26, 2024
Temperature: 27.2 °C
Humidity: 52.8 %
Tester: Rick



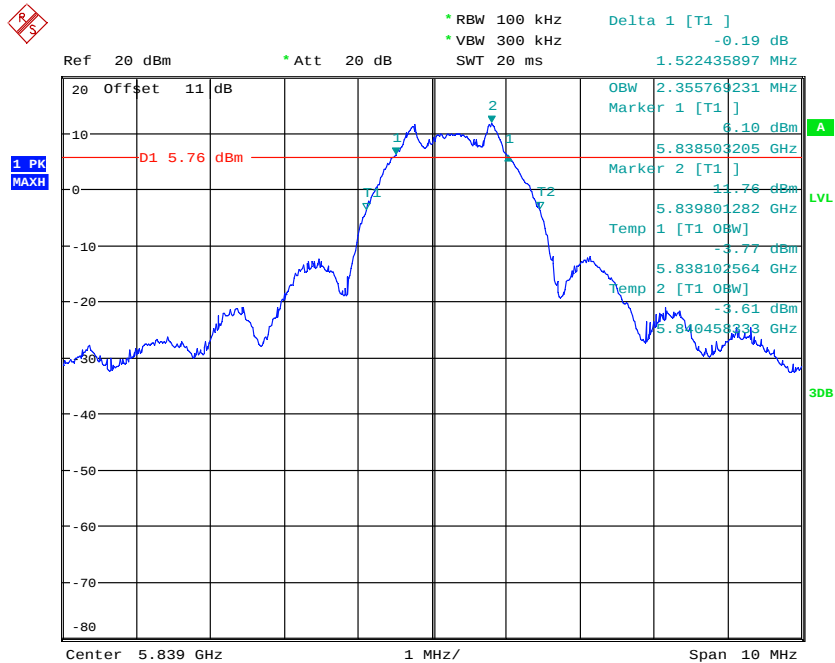
99% OBW & 6DB BANDWIDTH 5735MHz
Date: 26.JUL.2024 18:04:46



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



99% OBW & 6DB BANDWIDTH 5787MHz
Date: 26.JUL.2024 18:06:17



99% OBW & 6DB BANDWIDTH 5839MHz
Date: 26.JUL.2024 18:08:00



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3.4 Peak Power Spectral Density, FCC 15.407 (a)

According to §15.407(a)

For the band 5.15-5.25 GHz, the peak power spectral density shall not exceed 17 dBm/MHz for master device and 11 dBm/MHz for mobile/portable client device.

For the band 5.25-5.35 GHz and 5.47-5.725 GHz, the peak power spectral density shall not exceed 11 dBm/MHz.

For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm/500kHz.

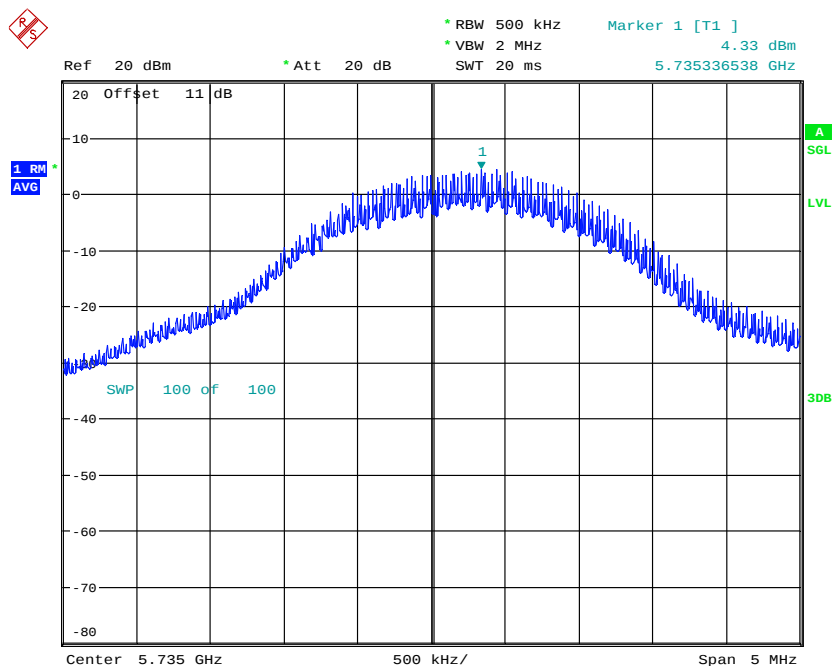
Test date: July 26, 2024

Temperature: 27.2 °C

Humidity: 52.8 %

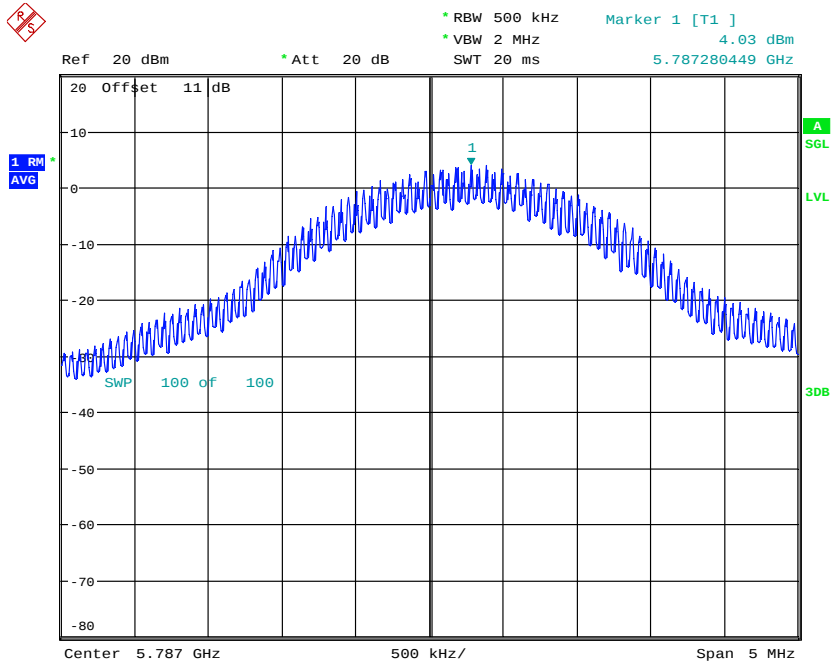
Tester: Rick

Band	Mode	Channel	Conducted power with DF(dBm/MHz)	DF (dB)	Limit (dBm/MHz)
NII-3	GFSK	Ch 1 : 5735 MHz	5.26	0.93	30
		Ch 2 : 5787 MHz	4.96	0.93	30
		Ch 3 : 5839 MHz	3.77	0.93	30

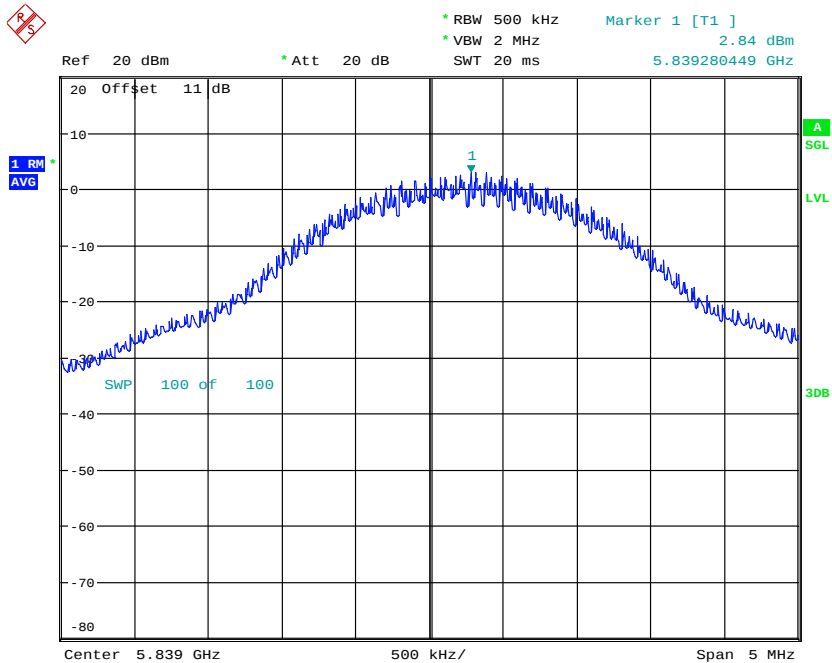




Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



POWER DENSITY 5787MHz
Date: 26.JUL.2024 18:15:48



POWER DENSITY 5839MHz
Date: 26.JUL.2024 18:14:59



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3.5 Undesirable emission limits, FCC 15.407 (b)

1. For transmitters operating in the 5.15–5.25 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz.
2. For transmitters operating in the 5.25–5.35 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of –27 dBm/MHz. De-vices operating in the 5.25–5.35 GHz band that generate emissions in the 5.15–5.25 GHz band must meet all appli-cable technical requirements for operation in the 5.15–5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15–5.25 GHz band.
3. For transmitters operating in the 5.47–5.725 GHz band: all emissions out-side of the 5.47–5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
4. For transmitters operating in the 5.725–5.850 GHz band: All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
5. The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
6. Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.
7. According to According to KDB 789033 D02 General UNII Test Procedures v01, as specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.
8. If radiated measurements are performed, field strength is then converted to EIRP as follows:
 - (i) $EIRP = ((E \cdot d)^2) / 30$, where: E is the field strength in V/m; d is the measurement distance in meters. EIRP is the equivalent isotropically radiated power in watts.
 - (ii) Working in dB units, the above equation is equivalent to: $EIRP[dBm] = E[dB\mu V/m] + 20 \log(d[meters]) - 104.77$.
 - (iii) Or, if d is 3 meters: $EIRP[dBm] = E[dB\mu V/m] - 95.2$.

Applicable to	Limit	
☒	FIELD STRENGTH at 3m (dBμV/m)	
	PK	AV
	74	54
☐	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH at 3m (dBμV/m)
	PK	PK
	-27	68.3



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

Model: ACT-58TW 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.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

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.			
--	--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--

Explanation: After evaluated, the test result in this report adopt the worst case to measure,
please see attached diagrams in appendix.



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3.6 Automatic Discontinuation of transmission, FCC 15.407 (c)

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure.

This function will be declared by manufacturer.

3.7 Reserved, FCC 15.407 (d)

3.8 Indoor Operation Restriction, FCC 15.407 (e)

Within the 5.15–5.25 GHz band, U- NII devices will be restricted to indoor operations to reduce any potential for harmful interference to co-channel MSS operations. This equipment has to be declared by manufacturer of the final product as content of the user manual.

3.9 Transmit Power Control (TPC)

Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Explanation: Max put power of the EUT is less than 500 mW (27dBm) so this test item is not required.



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3.10 Dynamic Frequency Selection (DFS)

3.10.1 DFS Detection Threshold

Test date: --
Temperature: -- °C
Humidity: -- %
Tester: --

Radar Type

Traffic plot

Non Traffic Plot

Explanation: This test is not required.

3.10.2 UNII Detection Bandwidth

Explanation: This test is not required.

3.10.3 Initial Channel Availability Check Time-5500 MHz

Explanation: This test is not required.

3.10.4 Radar Burst at the Beginning of the Channel Availability Check Time-5500 MHz

Explanation: This test is not required.

3.10.5 Radar Burst at the End of the Channel Availability Check Time- 5500 MHz

Explanation: This test is not required.



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

3.10.6 In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

Test date: --

Temperature: -- °C

Humidity: -- %

Tester: --

Parameter (at 5530MHz)	Test Result	Limit
	Type0	
Channel Move Time (ms)	--s	<10s
Channel Close Transmission Time (ms)	-- ms	< 60ms
30Minutes Non-Occupancy Time	--	>1800s

Note: The Channel Close Transmission Time is compromised 200 milliseconds starting at the beginning of the Channel Move Time plus the additional intermittent control signal required to facilitate channel-move operation (an aggregate of 60milliseconds) during the remainder of the 10seconds period.

In-Service Monitoring Channel Move Time

In-Service Monitoring for Channel Closing Transmission Time

In-Service Monitoring for Non-Occupancy Period

Explanation: This test is not required.

3.10.7 Statistical Performance Check

Explanation: This test is not required.



Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

3.11 Radiated Emissions from Receiver Part

FCC Rule: 15.109

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

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

Explanation: Please see attached appendix.



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

3.12 Power Line Conducted Emission

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

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

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

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



Appendix

A. Photos

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

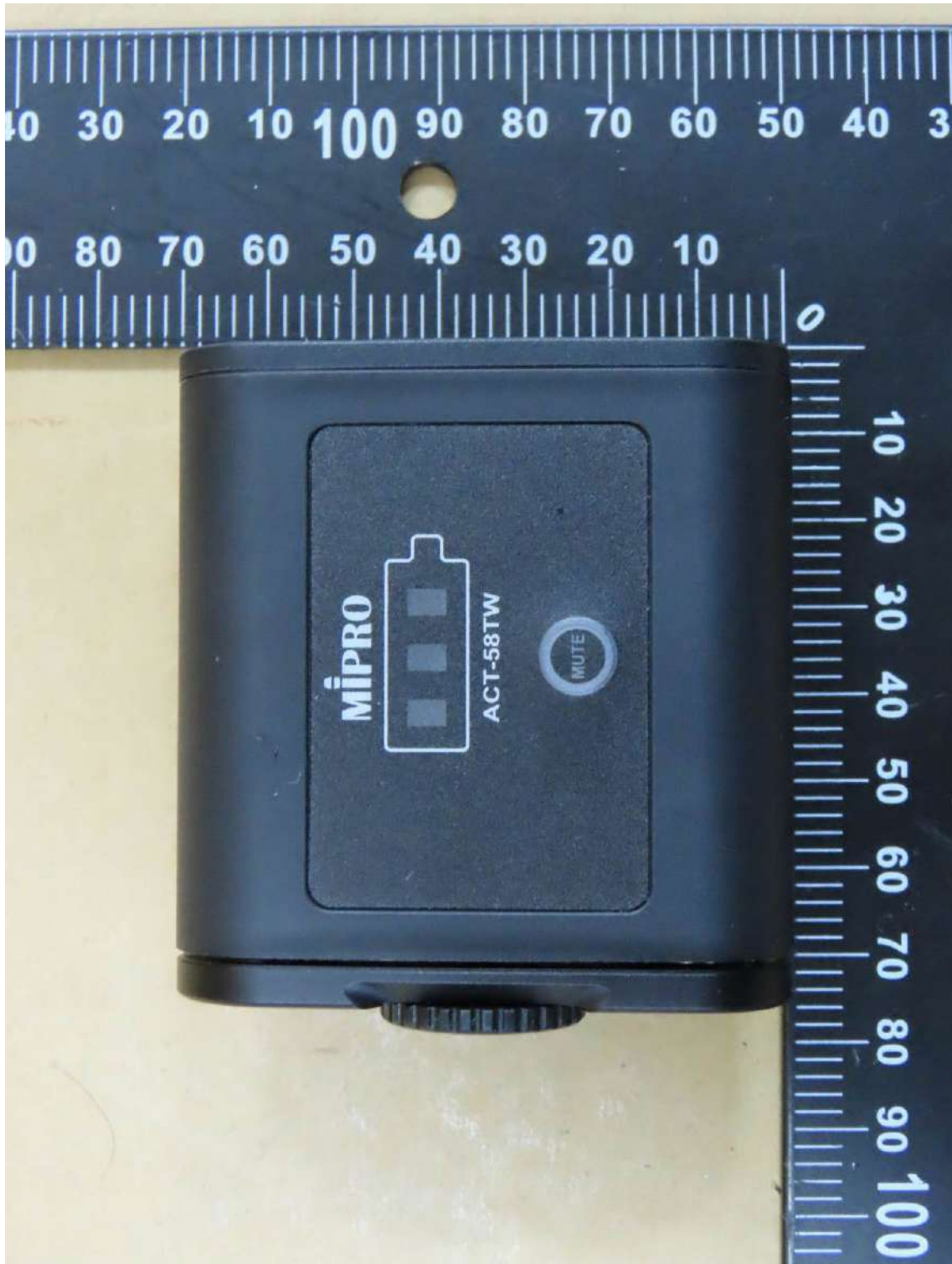
B. Measurement diagrams

Spurious Emissions radiated

Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

External Photos



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



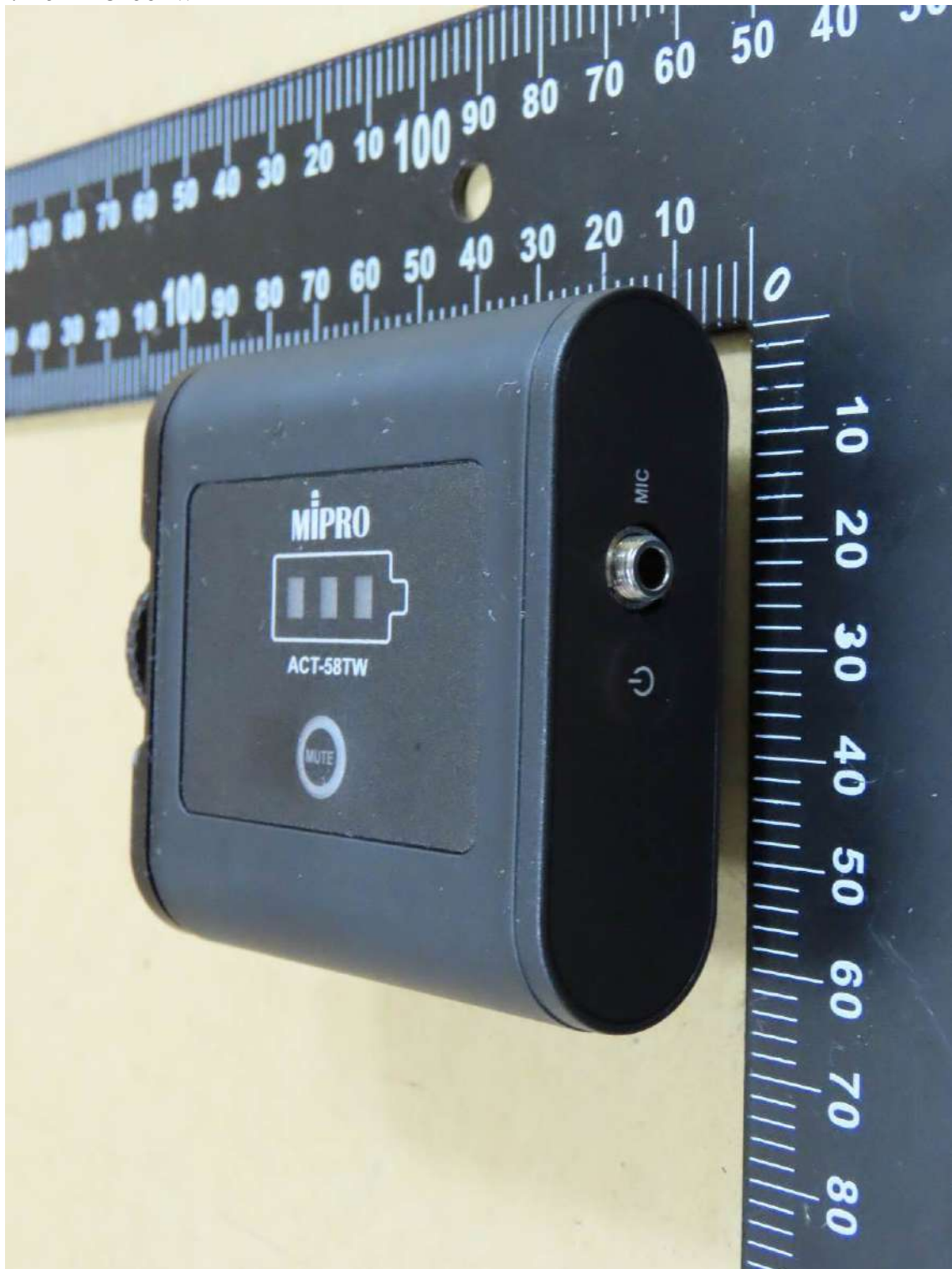


Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW





Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



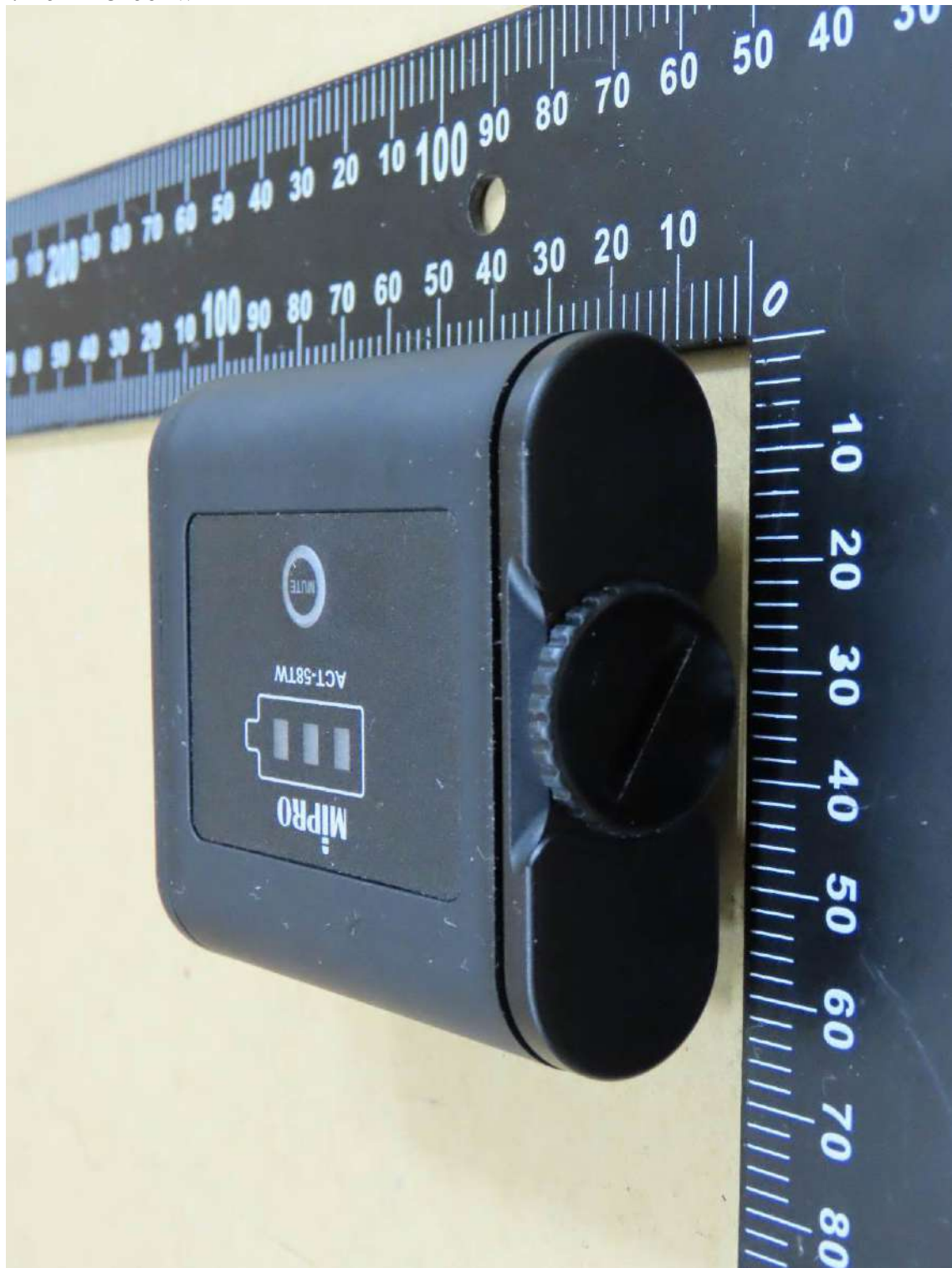


Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW





Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



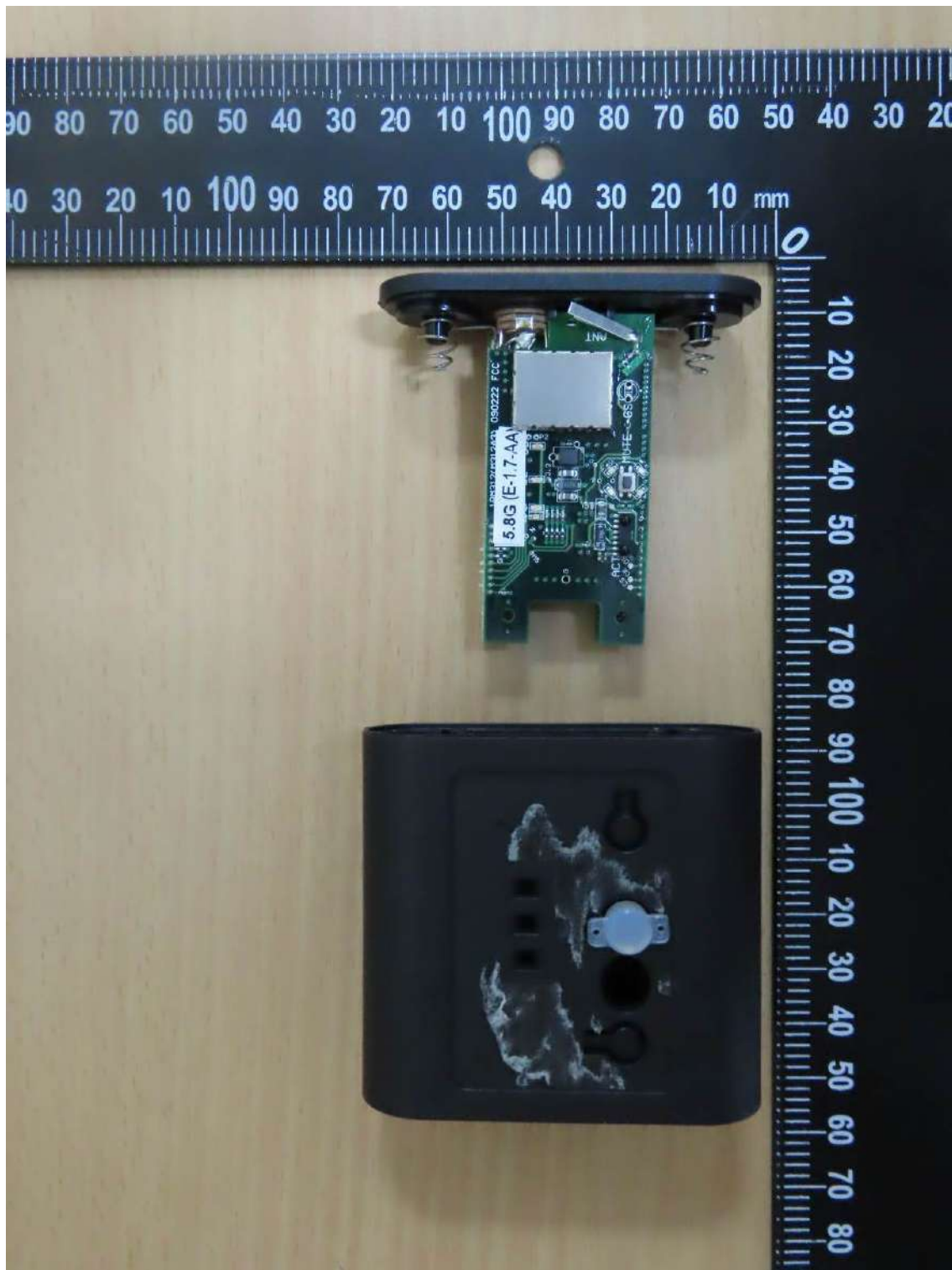
Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



Registration number: W6M22405-23490-C-1

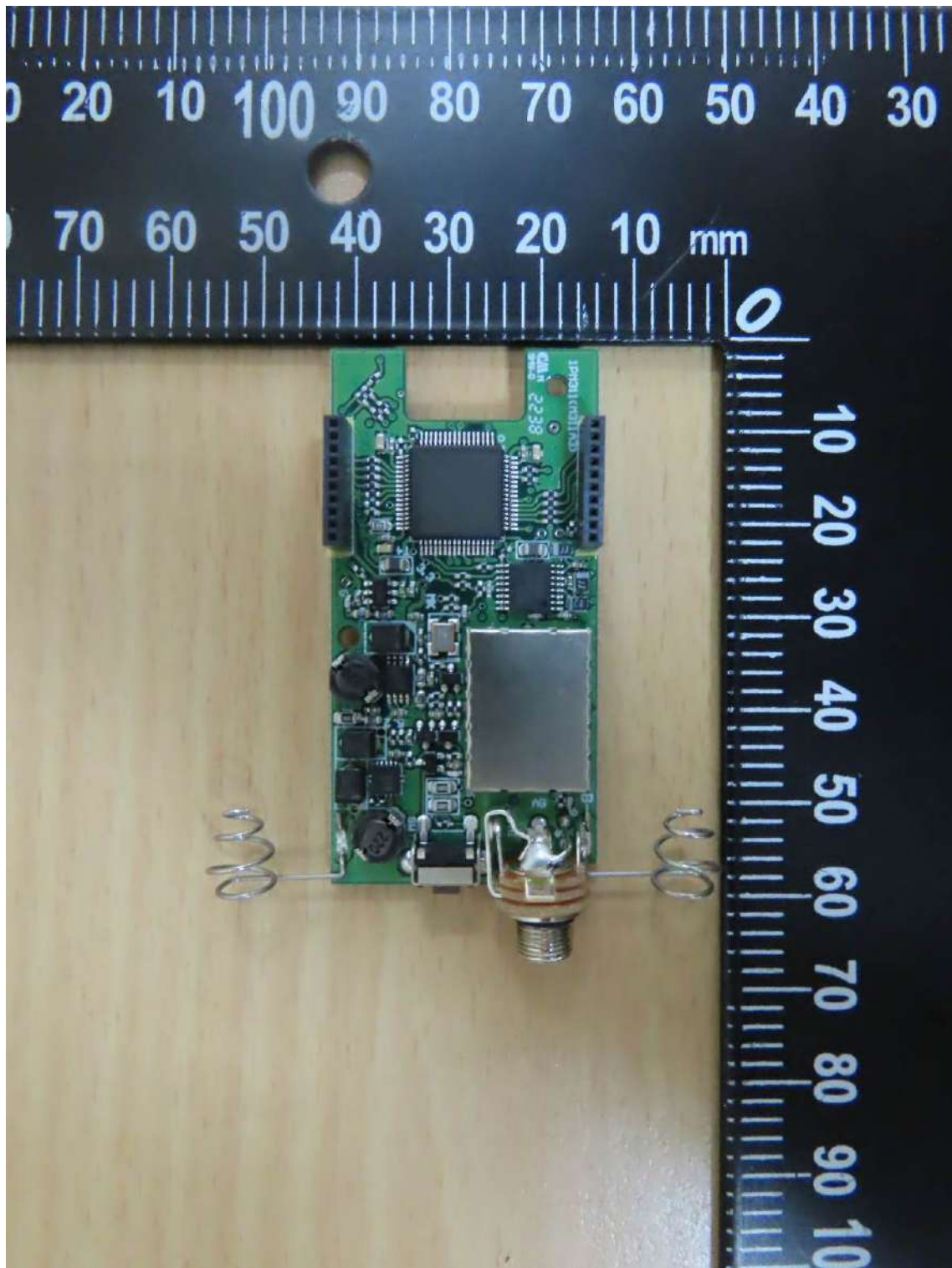
FCC ID: M5X-ACT58TW

Internal Photos

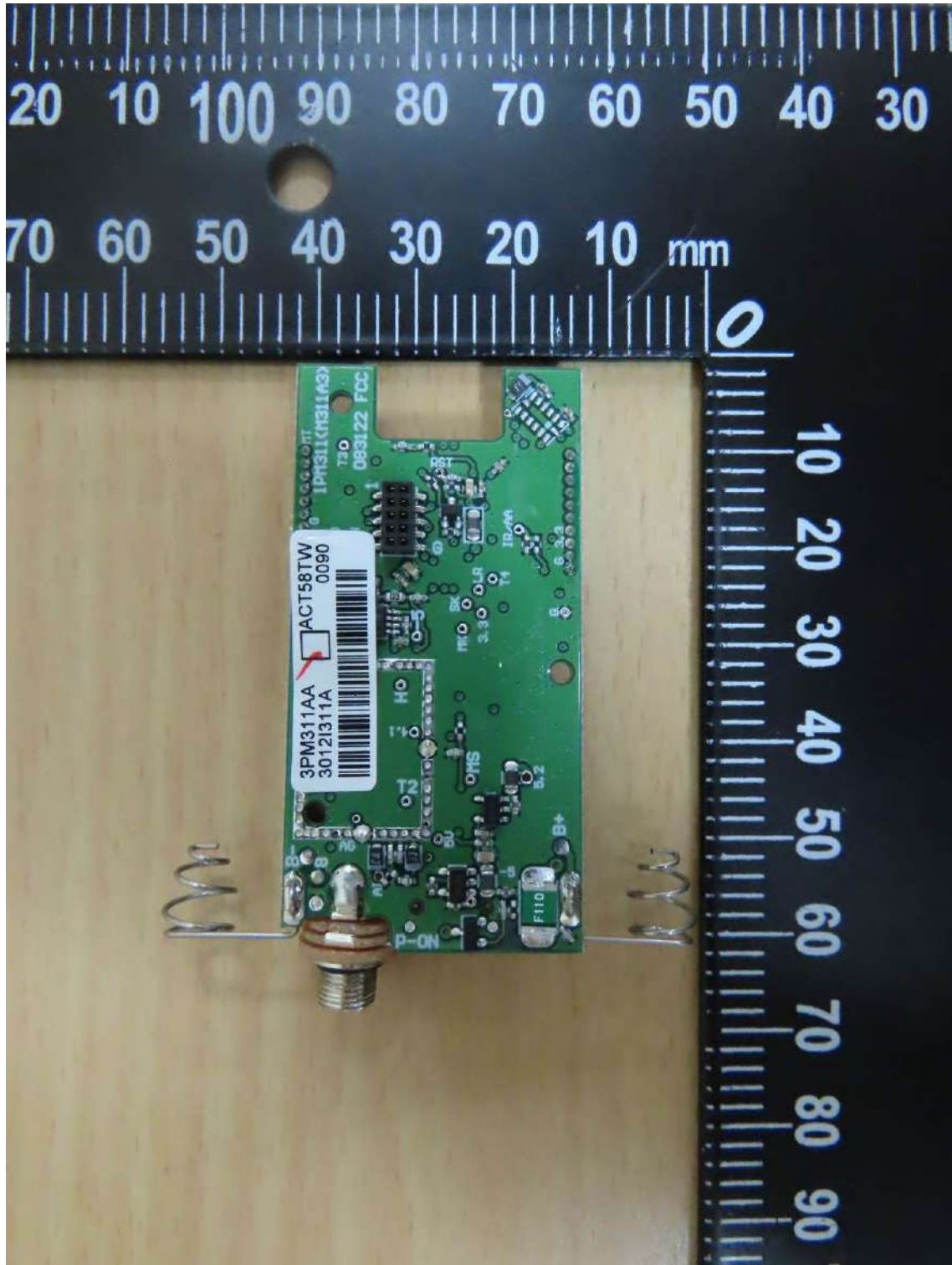




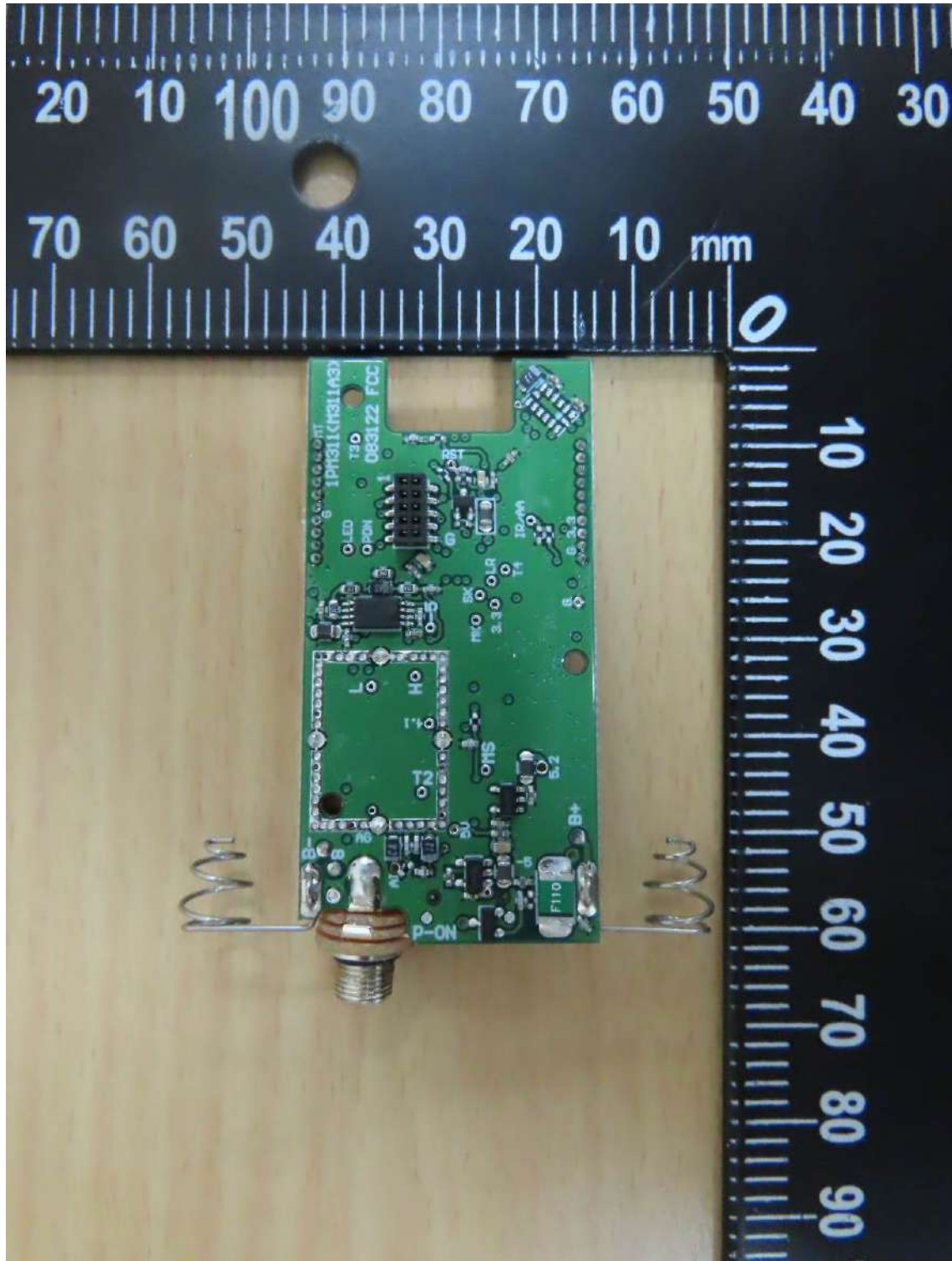
Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



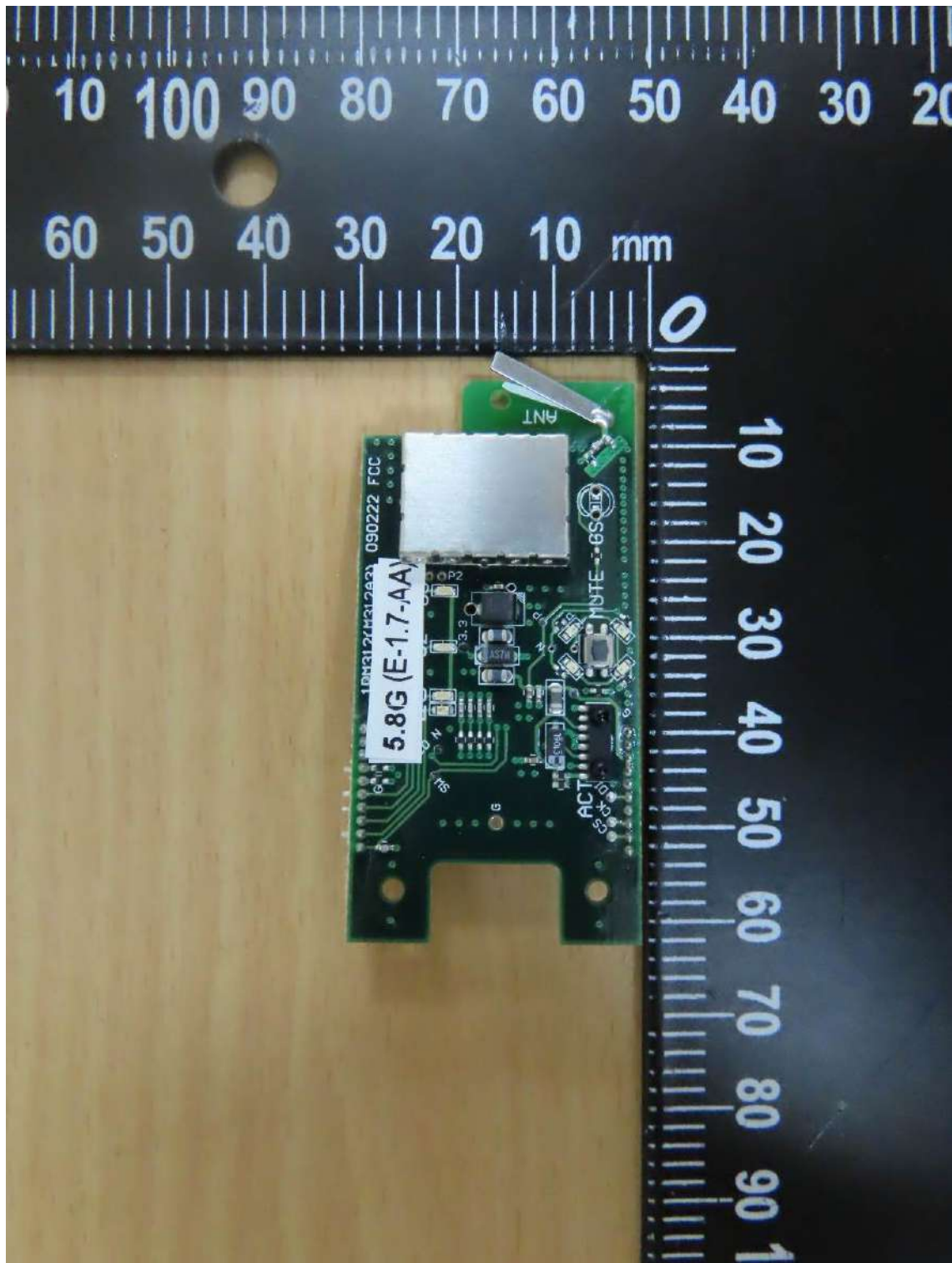
Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW

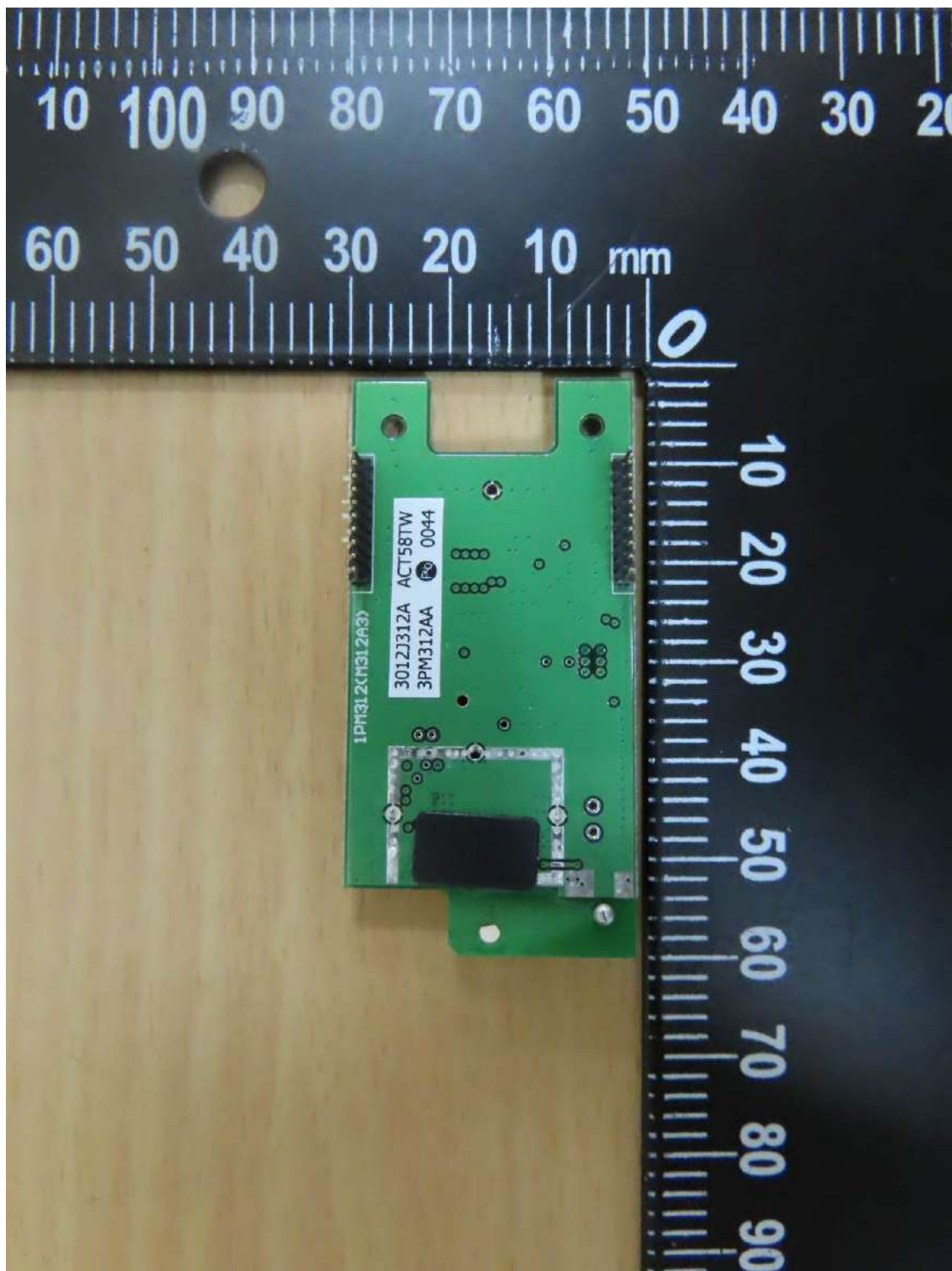


Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



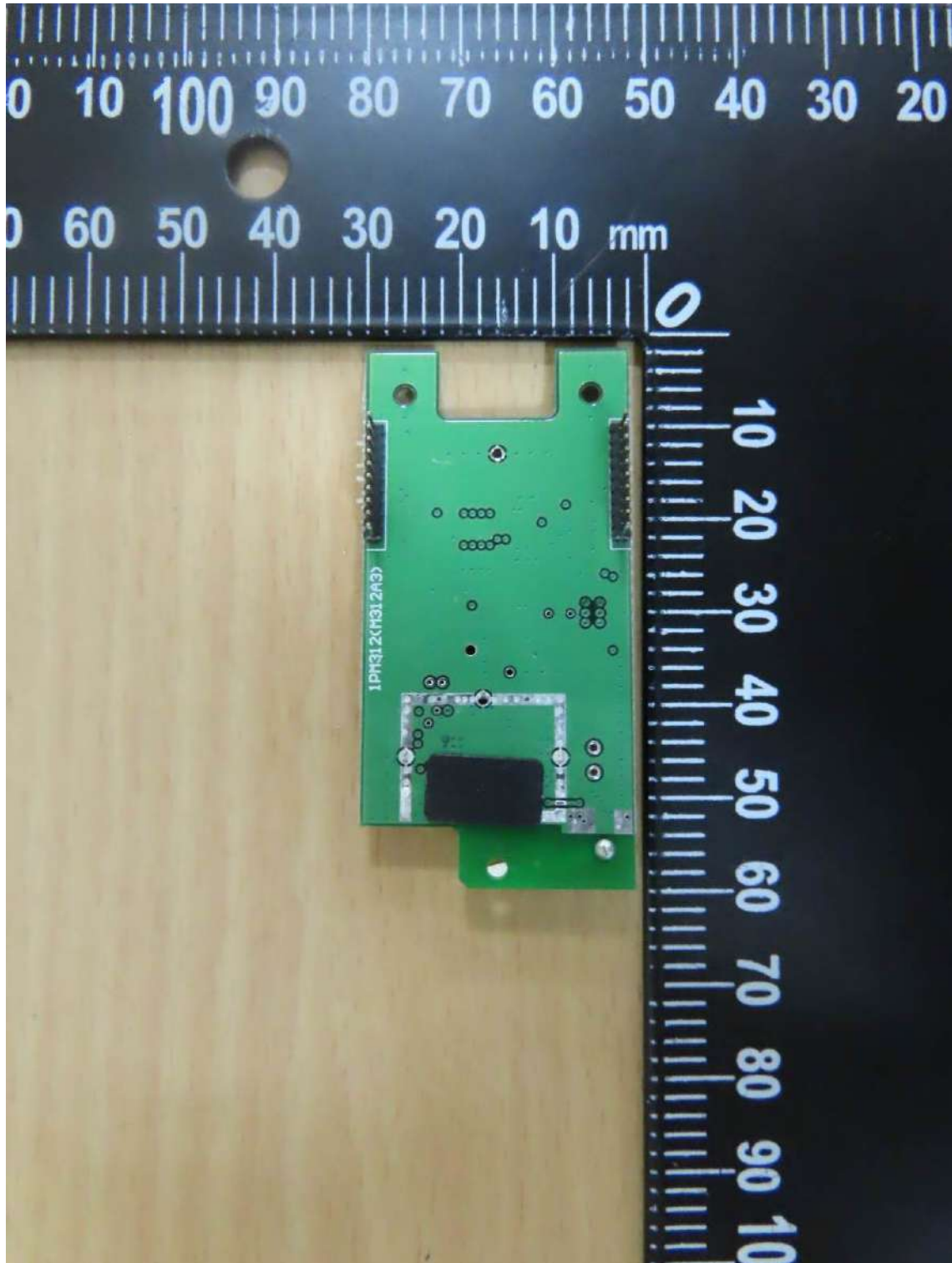


Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW





Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW





Registration number: W6M22405-23490-C-1

FCC ID: M5X-ACT58TW

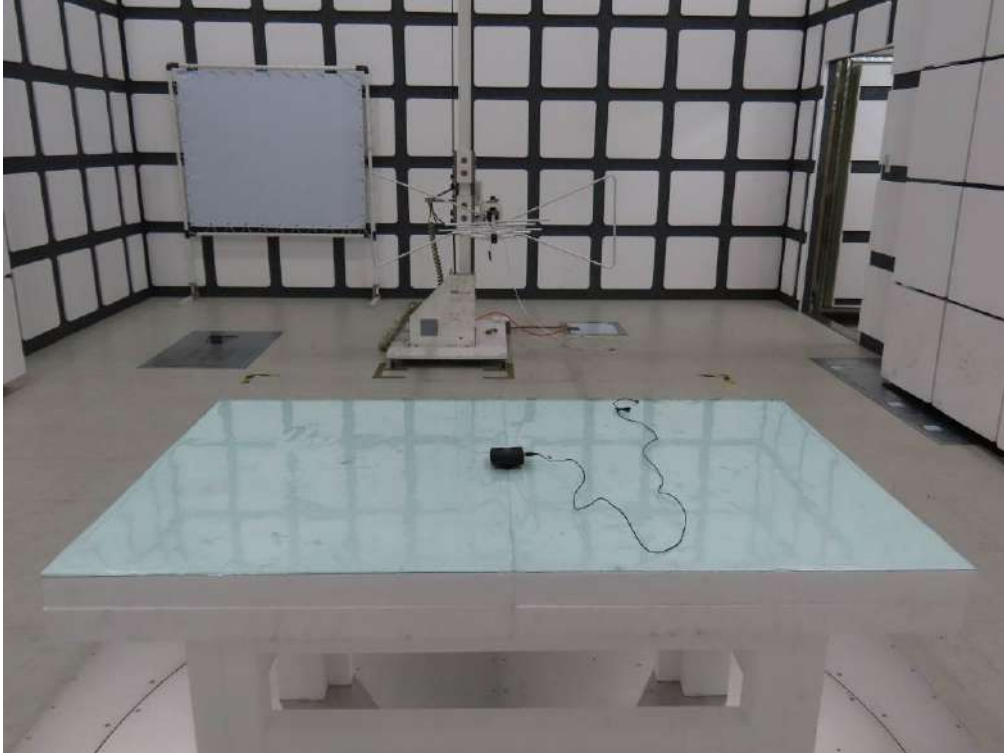
Set Up Photo of Radiated Emission

Below 1 GHz





Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW



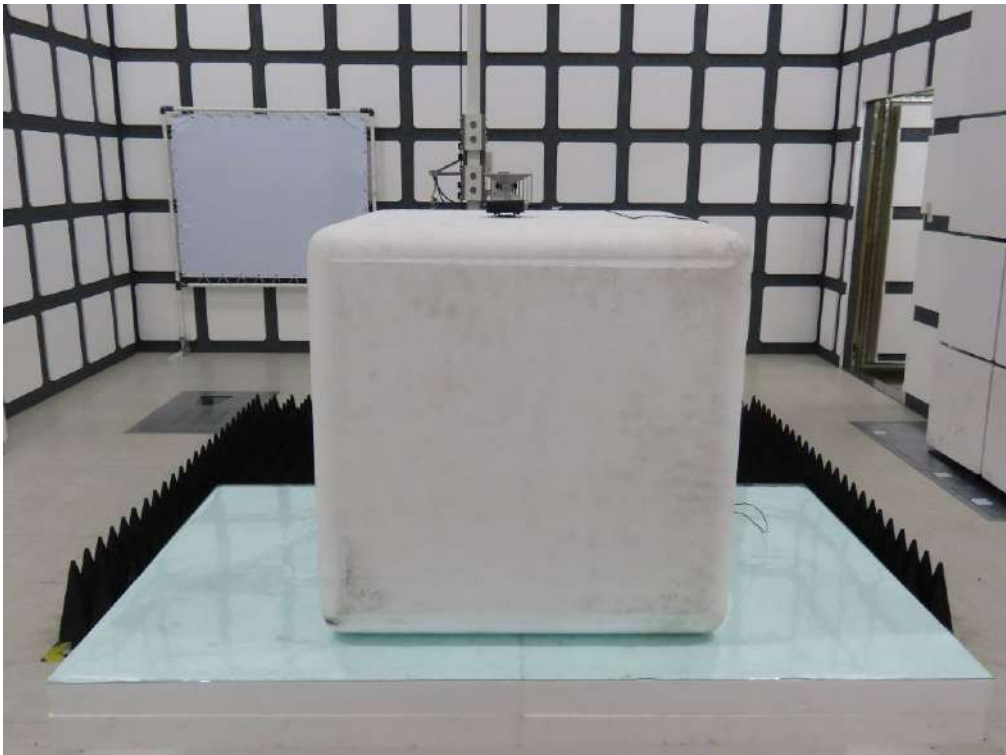
Above 1 GHz





Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22405-23490-C-1
FCC ID: M5X-ACT58TW





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: Echo

File : 1

Data : #1

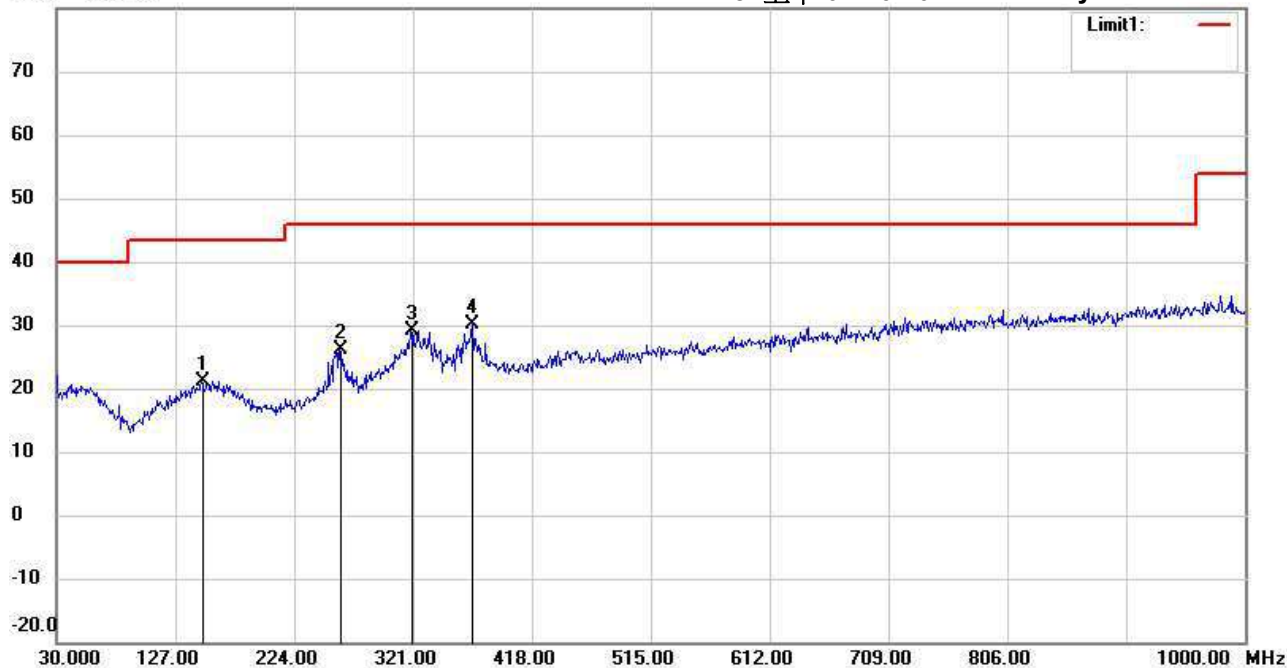
Date: 2024/8/9

Temperature: 25.9 °C

80.0 dBuV/m

Time: 上午 04:46:20

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
	148.8250	33.50	peak	-12.28	21.22	43.50	100	193	-22.28	
	261.3450	39.56	peak	-13.36	26.20	46.00	100	129	-19.80	
	319.5450	40.71	peak	-11.55	29.16	46.00	100	314	-16.84	
*	369.5000	40.73	peak	-10.52	30.21	46.00	100	158	-15.79	

*: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: Echo

File : 1

Data : #2

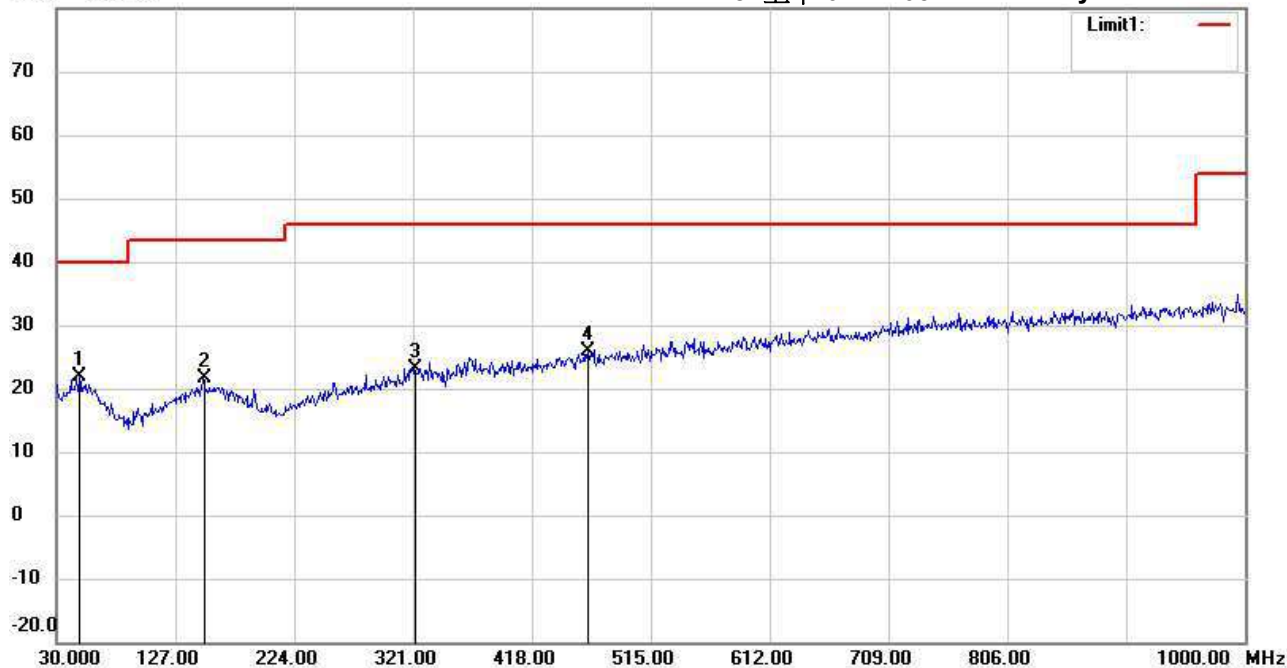
Date: 2024/8/9

Temperature: 25.9 °C

80.0 dBuV/m

Time: 上午 04:47:05

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15 RE-Class C_30-1000MHz

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
*	48.4300	34.53	peak	-12.71	21.82	40.00	100	295	-18.18	
	149.7950	33.74	peak	-12.22	21.52	43.50	100	160	-21.98	
	322.4550	34.71	peak	-11.51	23.20	46.00	100	136	-22.80	
	463.5900	33.88	peak	-8.09	25.79	46.00	100	214	-20.21	

*: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: Echo

File : 3

Data : #1

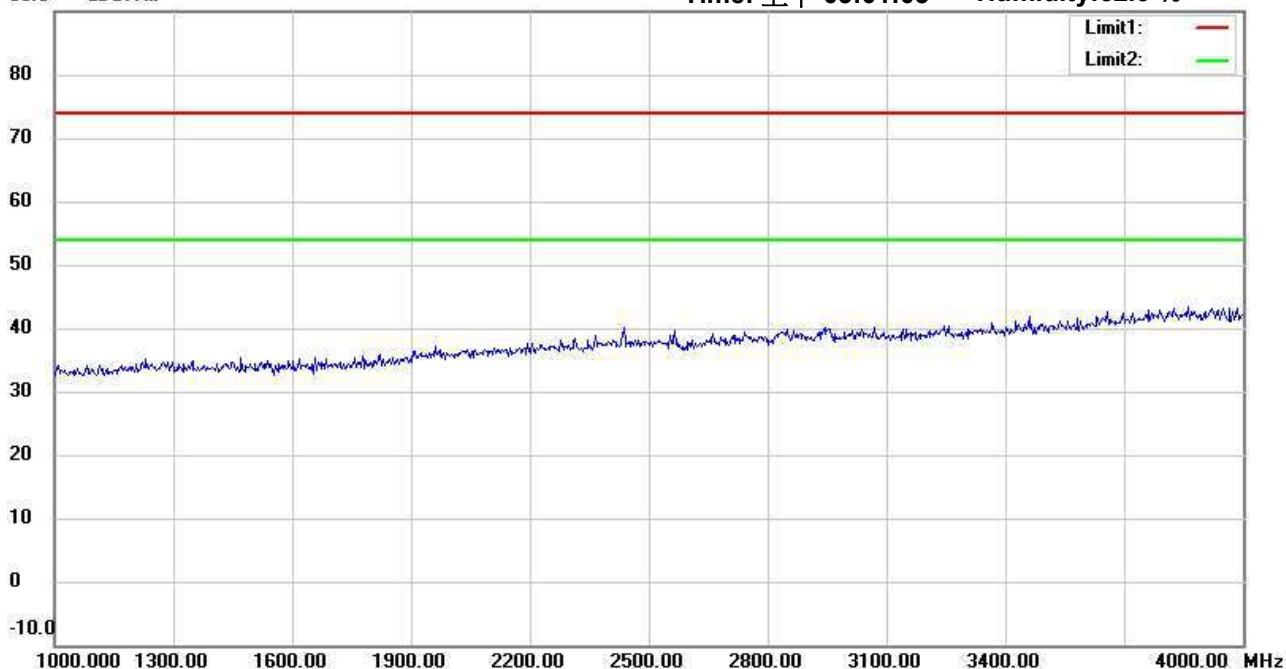
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:01:03

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Echo

File : 3

Data : #7

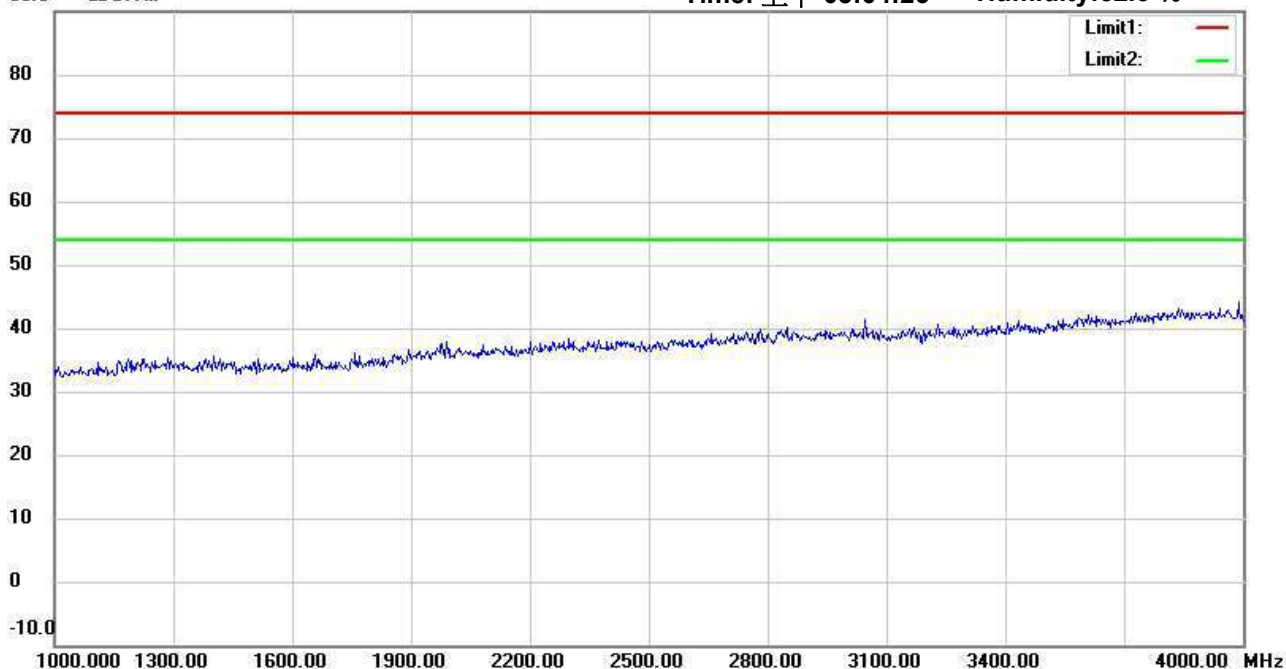
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:04:26

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Echo

File : 3

Data : #2

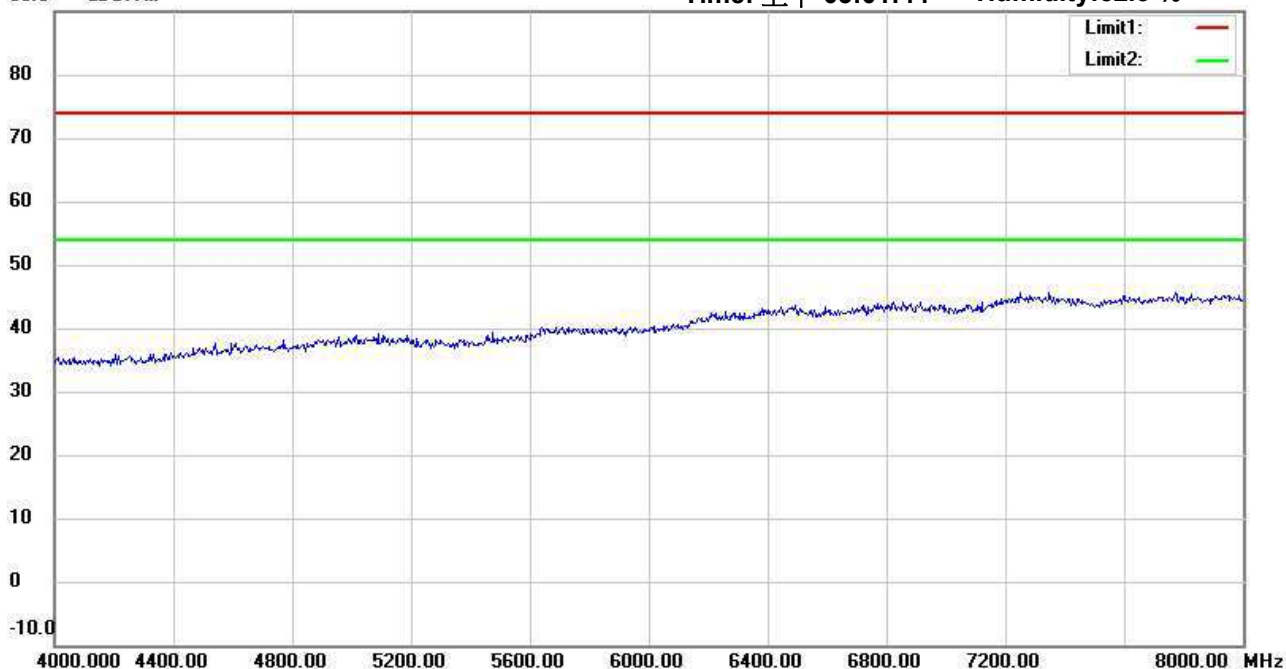
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:01:44

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Echo

File :3

Data :#8

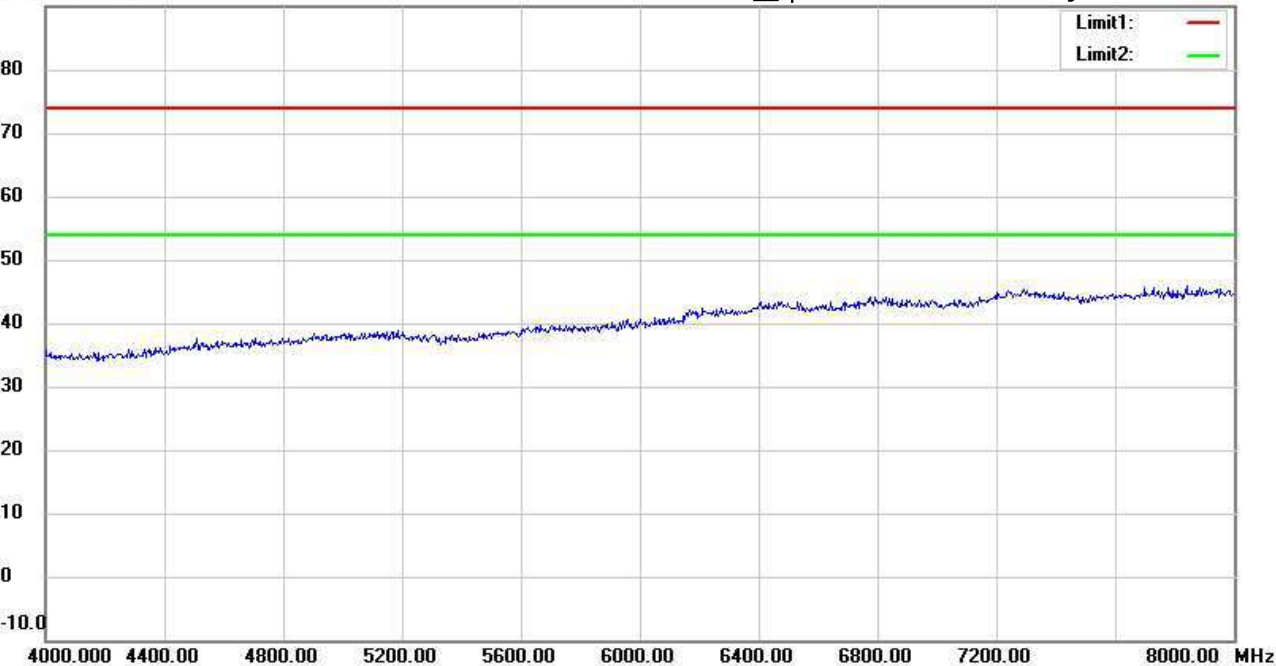
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:05:08

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
-----	-----------------	----------------	----------	---------------------	-----------------	----------------	--------------	----------------	-------------	---------

*: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: Echo

File : 3

Data : #3

Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:02:27

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
*	11472.250	35.03	peak	16.42	51.45	74.00	150	344	-22.55	

*: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: Echo

File : 3

Data : #9

Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:05:50

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
*	11472.250	34.06	peak	16.42	50.48	74.00	150	129	-23.52	

*: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: Echo

File :3

Data :#4

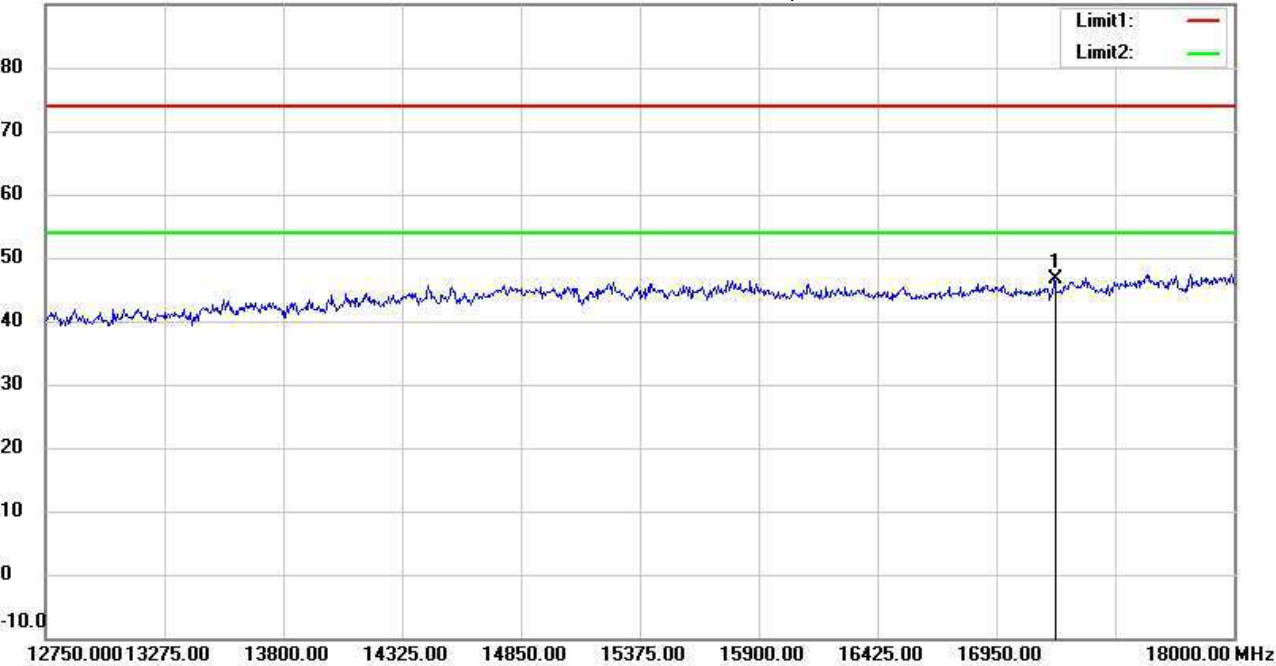
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:03:13

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
*	17209.875	23.41	peak	23.20	46.61	74.00	150	284	-27.39	

*: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: Echo

File : 3

Data : #10

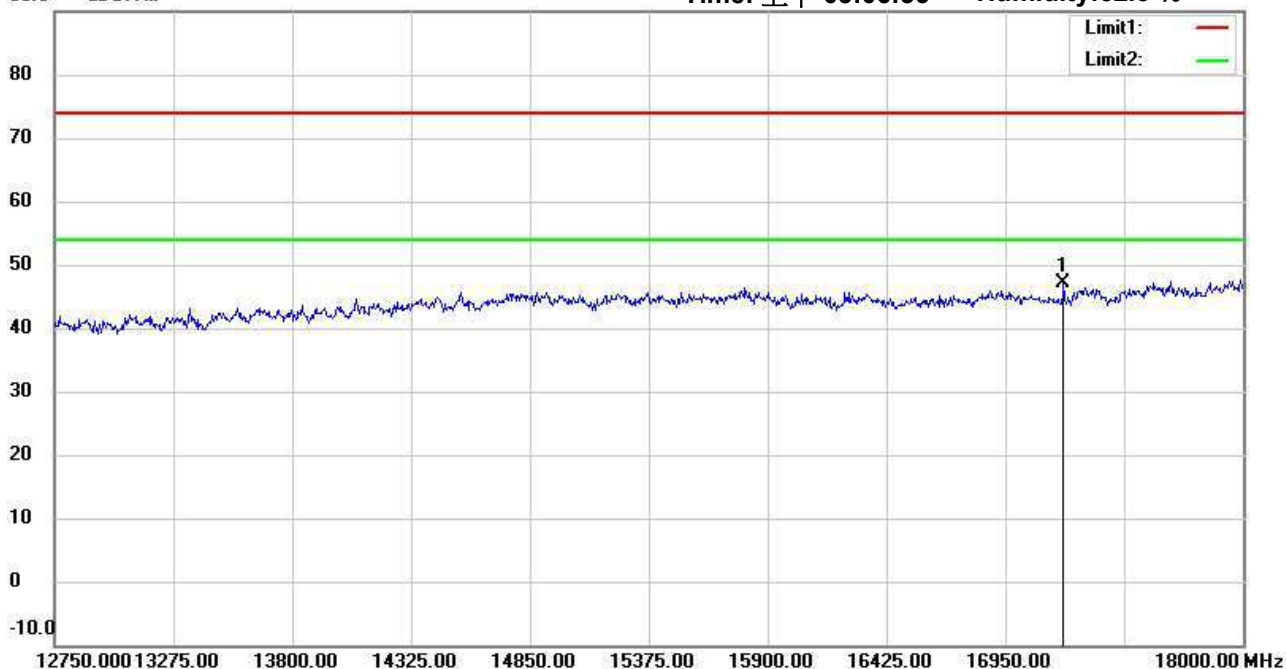
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:06:36

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
*	17207.250	23.89	peak	23.20	47.09	74.00	150	159	-26.91	

*: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: Echo

File : 3

Data : #5

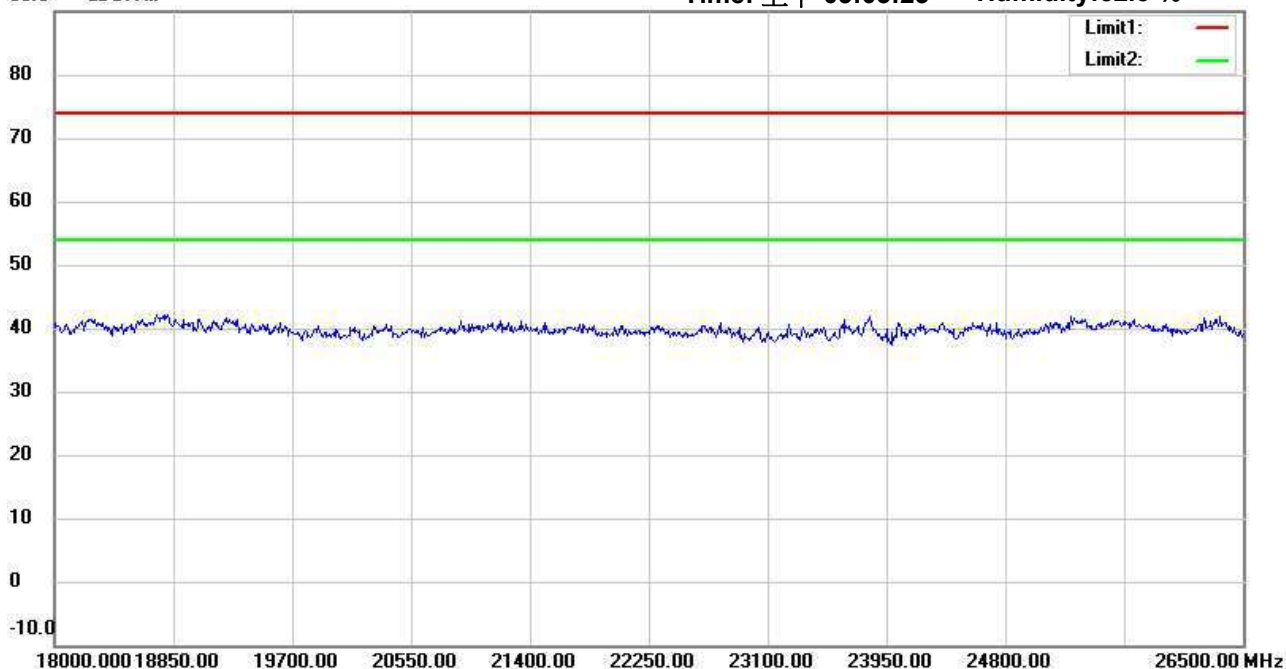
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:03:23

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
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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: Echo

File : 3

Data : #11

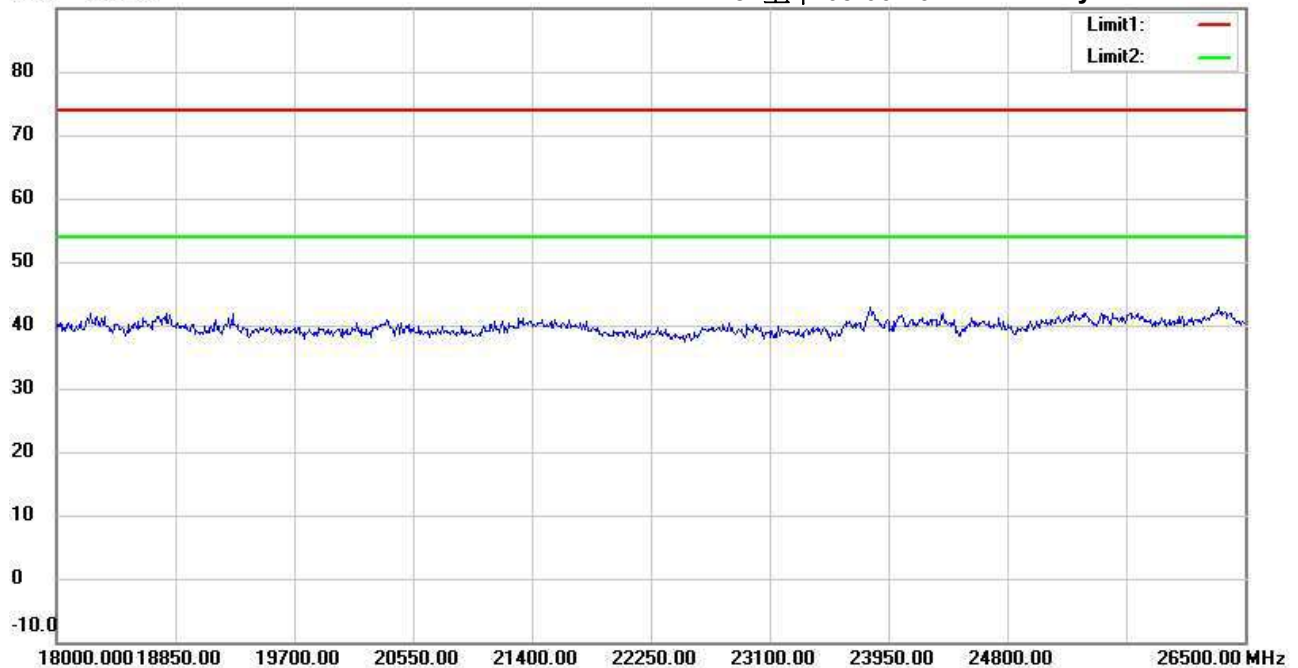
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:06:46

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
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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: Echo

File : 3

Data : #6

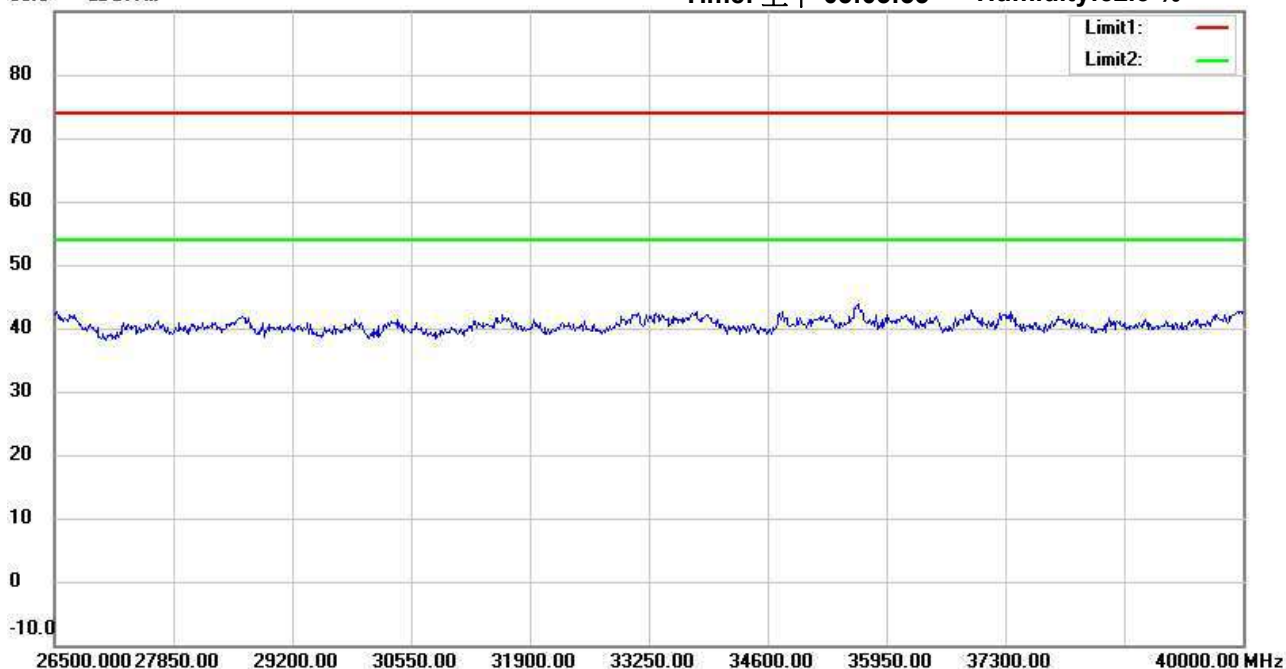
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:03:33

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
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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: Echo

File : 3

Data : #12

Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:06:56

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

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
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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: Echo

File : 3

Data : #1

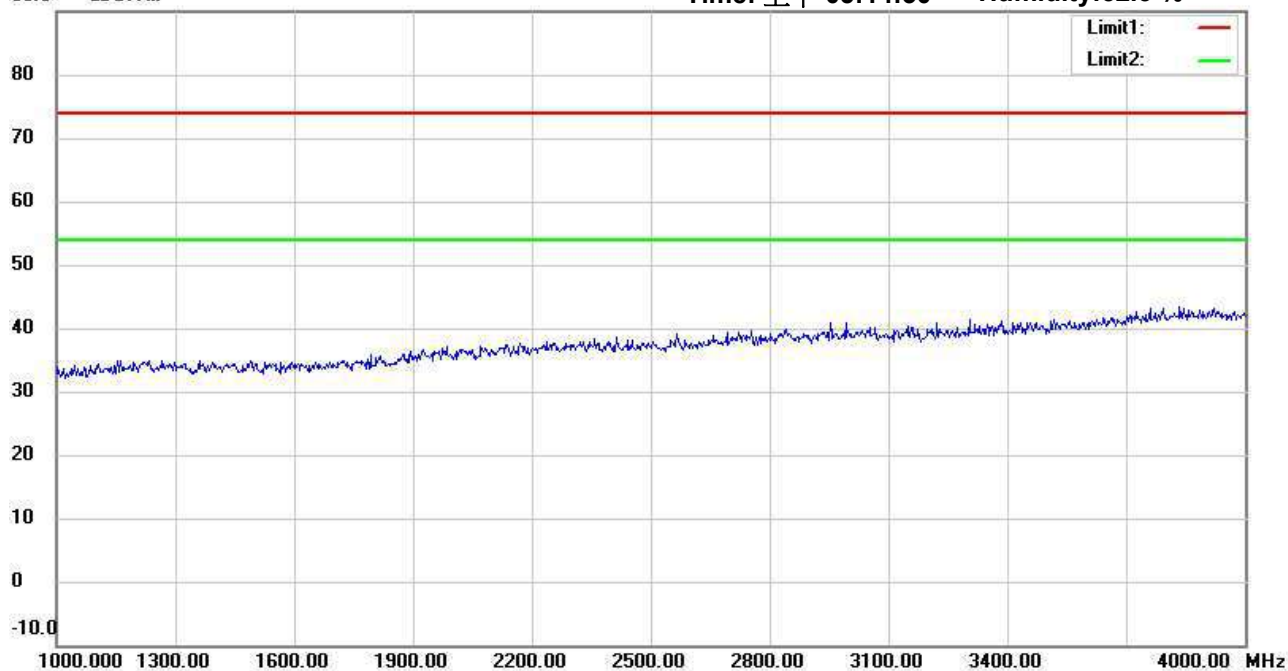
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:14:30

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File :3

Data :#7

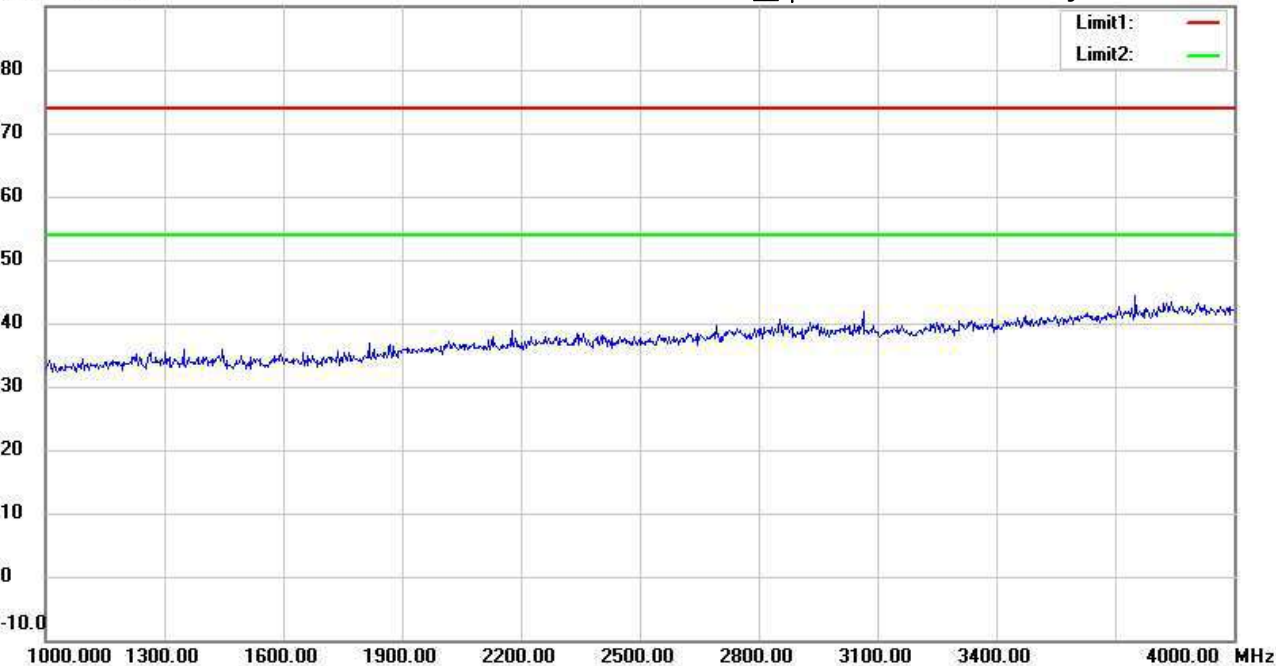
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:17:53

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File :3

Data :#2

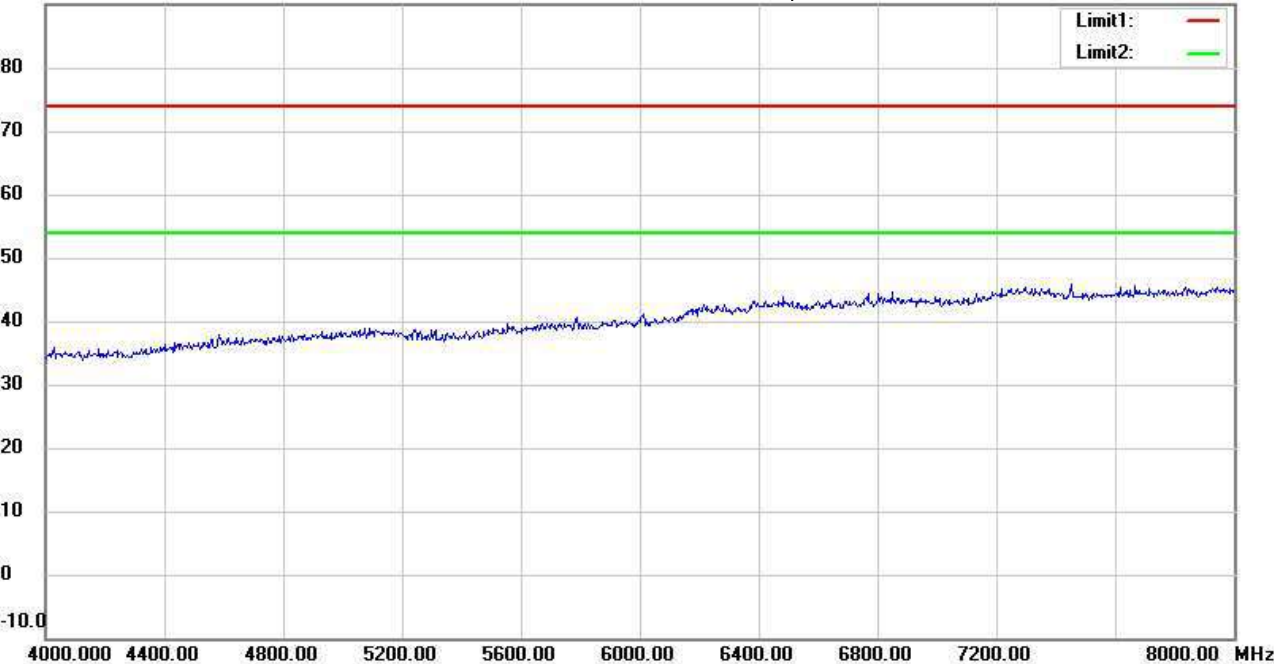
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:15:12

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File :3

Data :#8

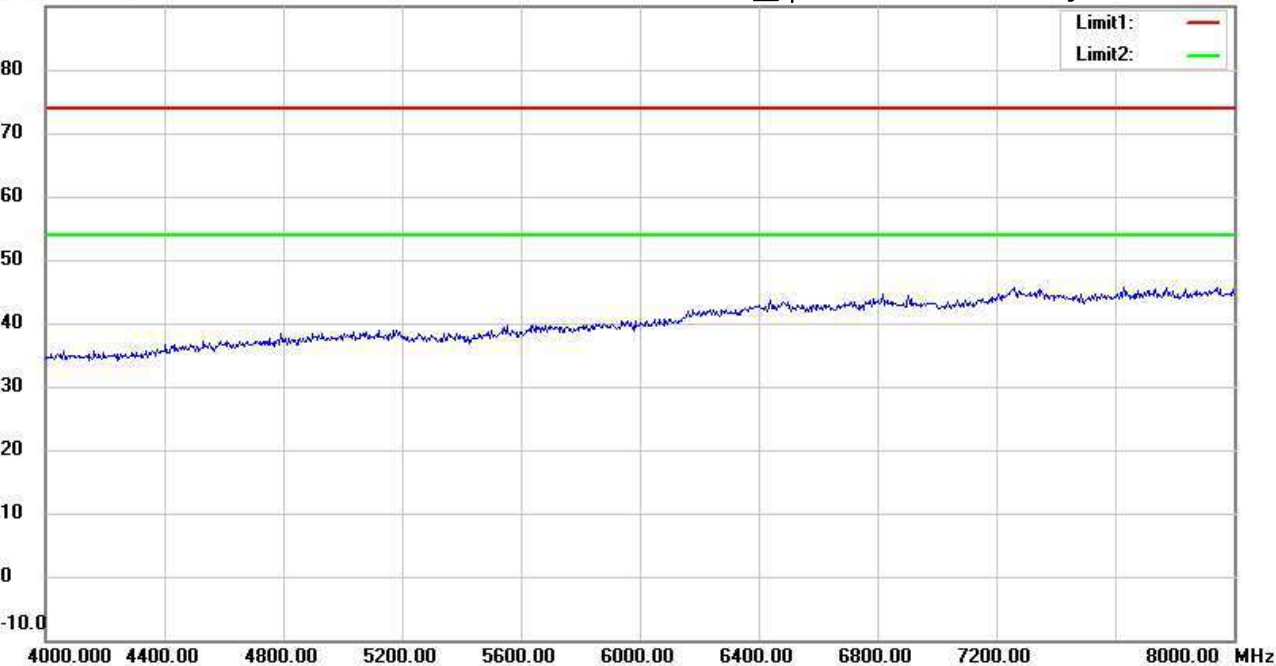
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:18:35

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File : 3

Data : #3

Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:15:54

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
*	11576.750	33.95	peak	16.22	50.17	74.00	150	154	-23.83	

*: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: Echo

File :3

Data :#9

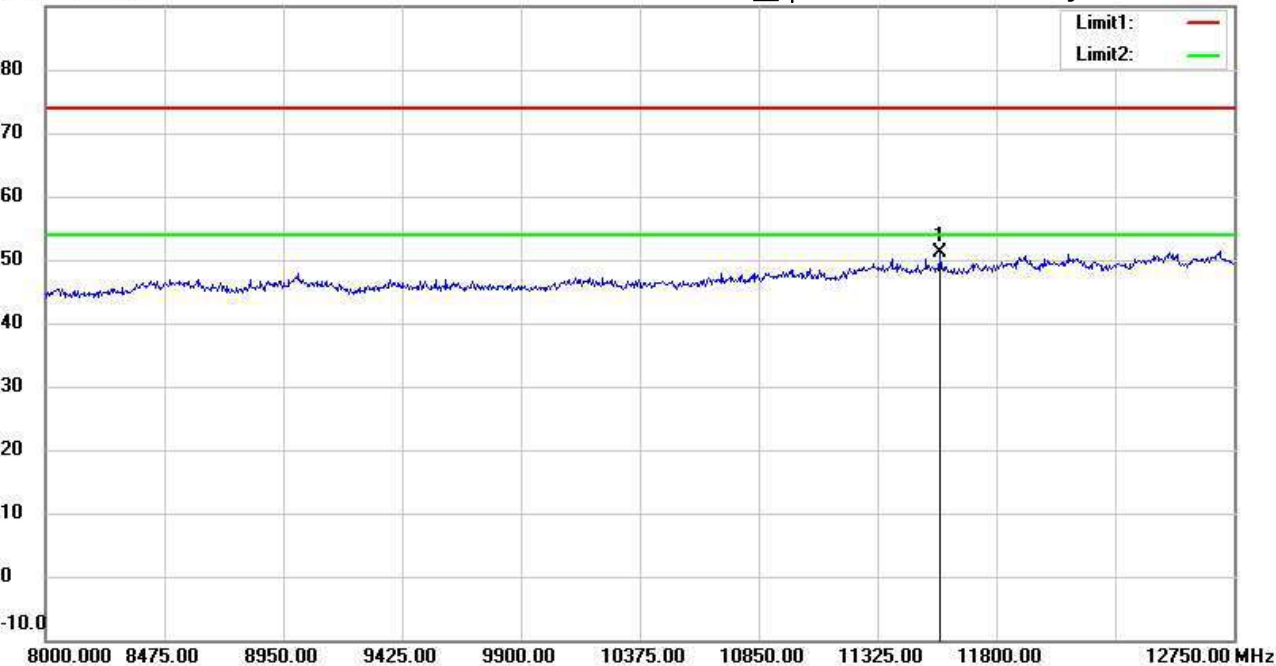
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:19:17

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
*	11576.750	35.02	peak	16.22	51.24	74.00	150	178	-22.76	

*: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: Echo

File : 3

Data : #4

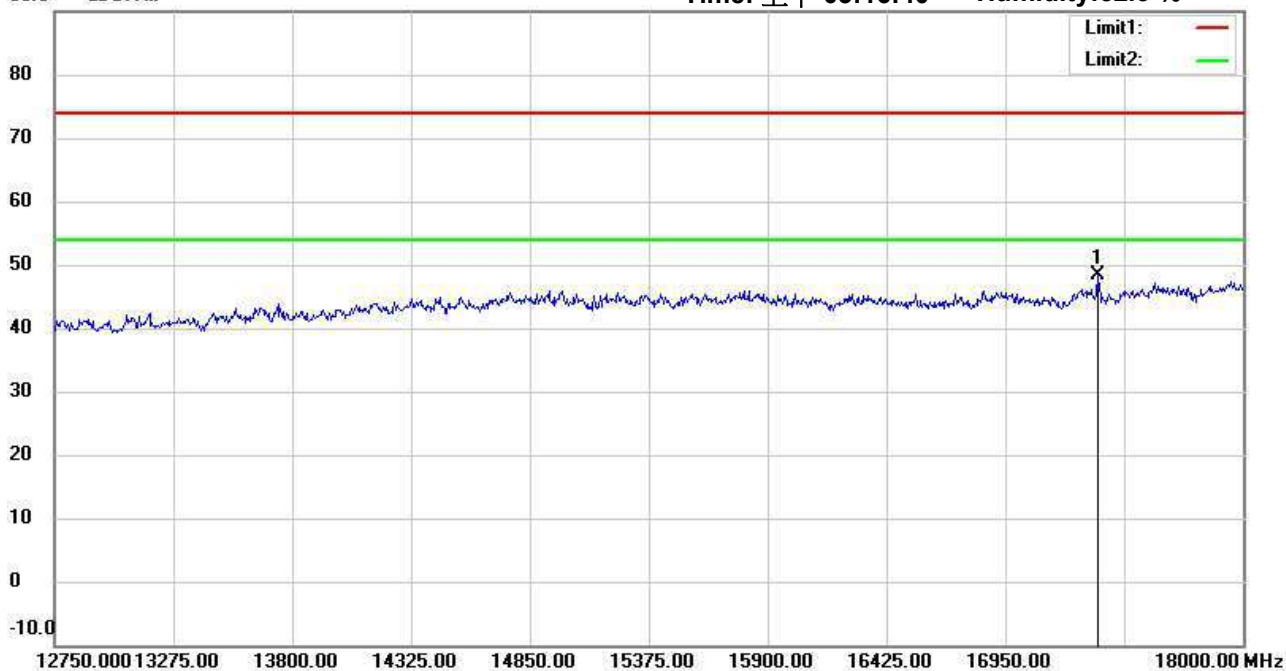
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:16:40

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
*	17359.500	25.49	peak	22.99	48.48	74.00	150	284	-25.52	

*: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: Echo

File :3

Data :#10

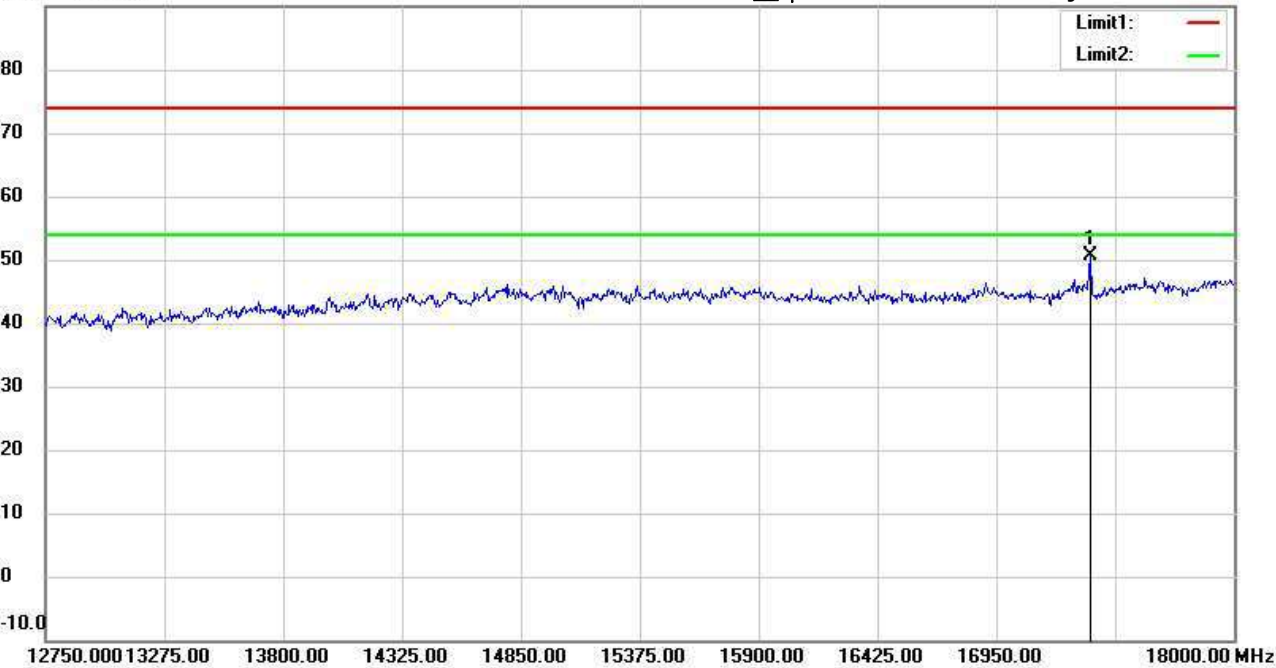
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:20:04

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
*	17364.750	27.65	peak	22.97	50.62	74.00	150	197	-23.38	

*: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: Echo

File : 3

Data : #5

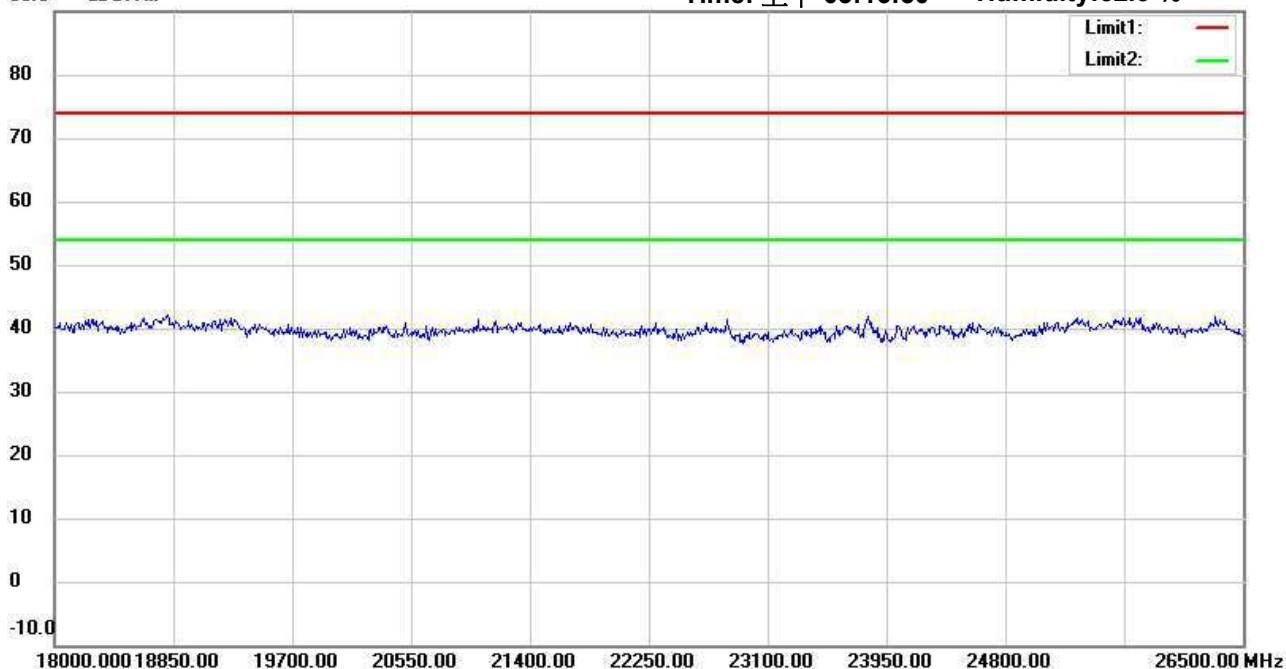
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:16:50

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File : 3

Data : #11

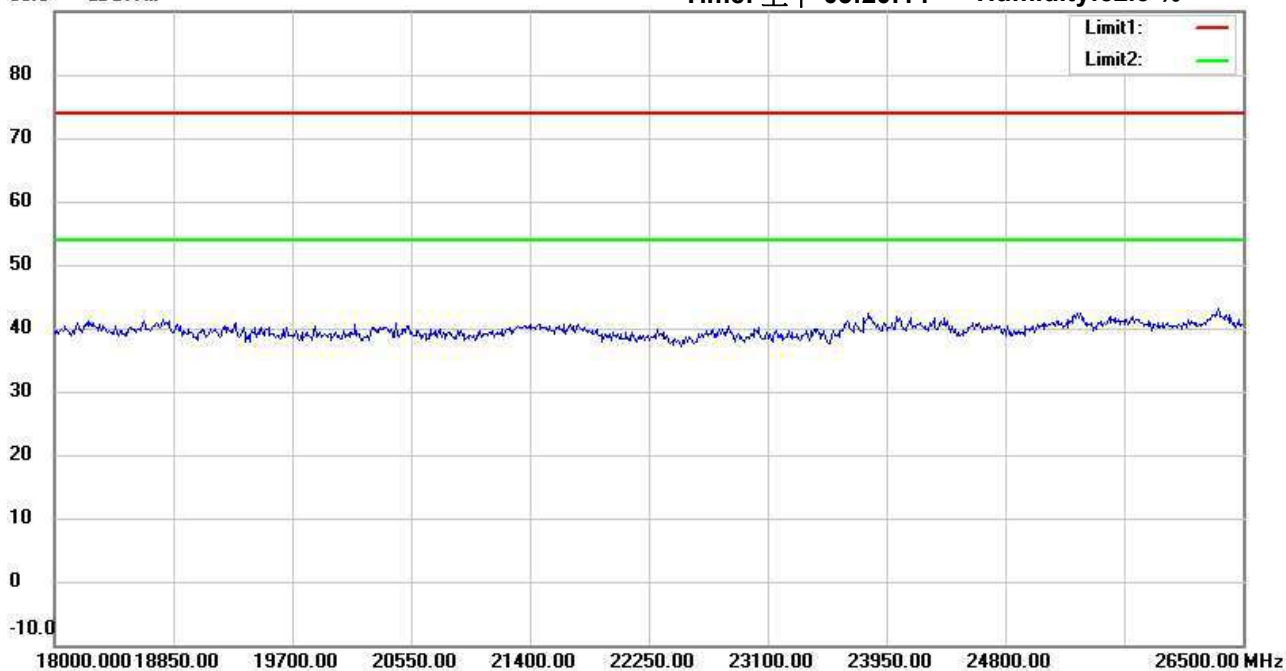
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:20:14

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File :3

Data :#6

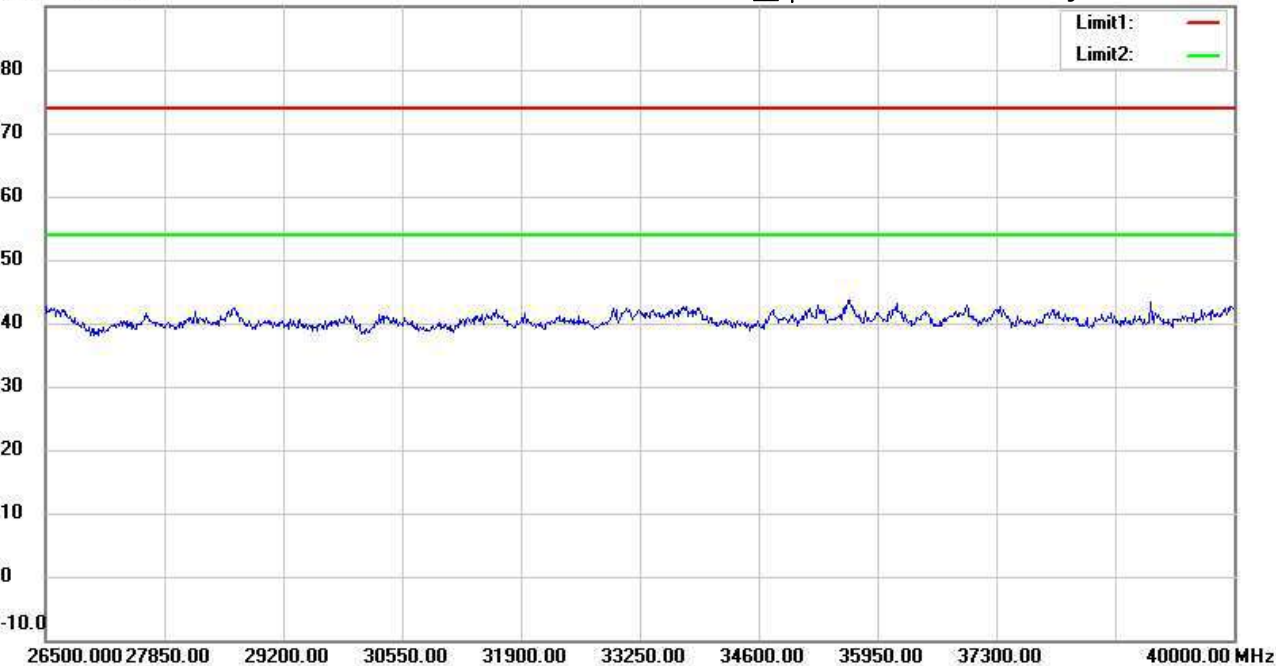
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:17:00

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File : 3

Data : #12

Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:20:24

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

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
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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: Echo

File :3

Data :#1

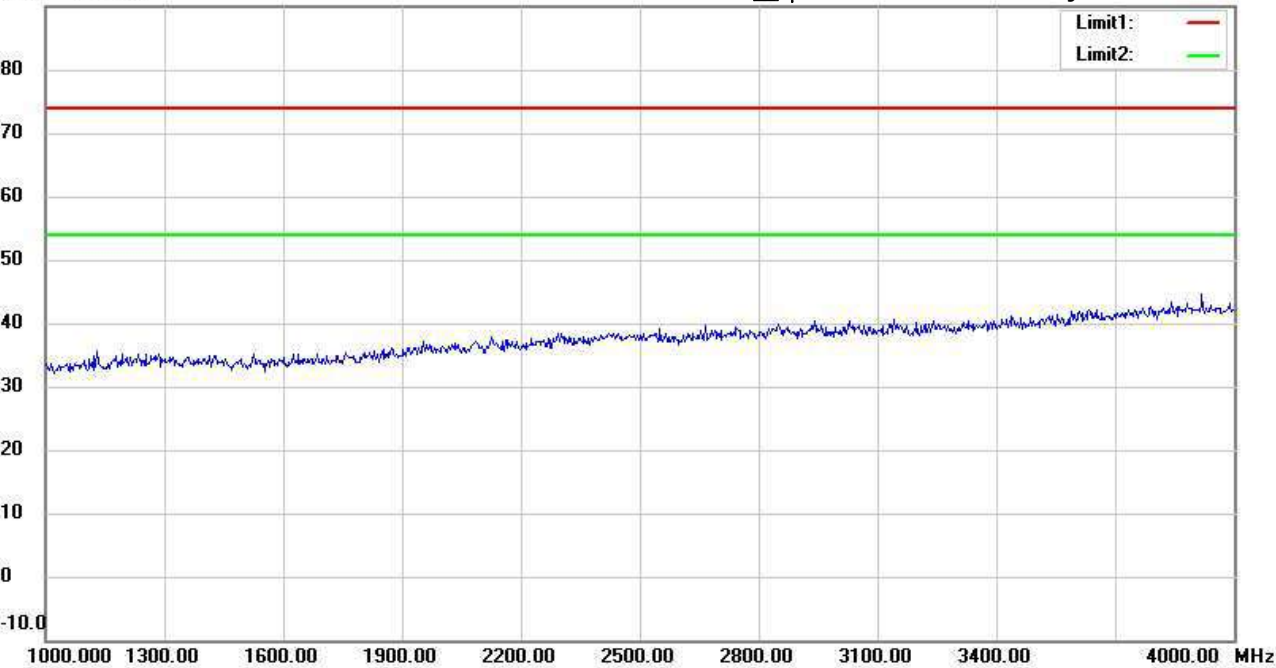
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:28:41

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
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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: Echo

File : 3

Data : #7

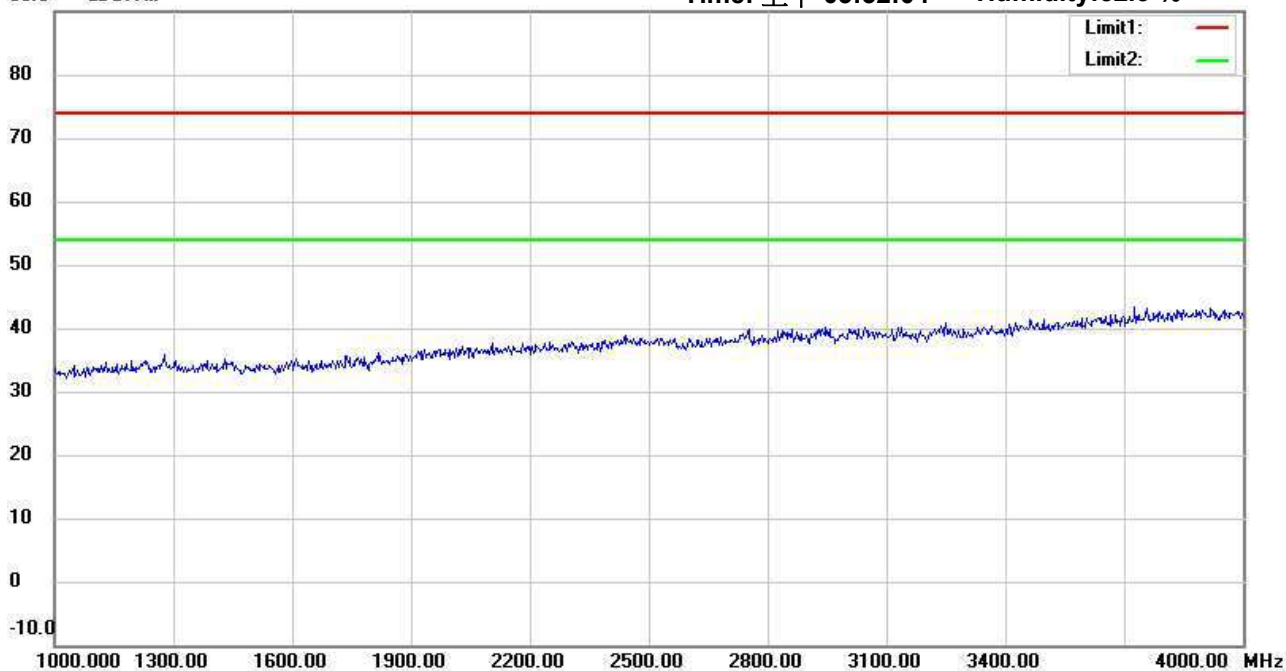
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:32:04

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
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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: Echo

File : 3

Data : #2

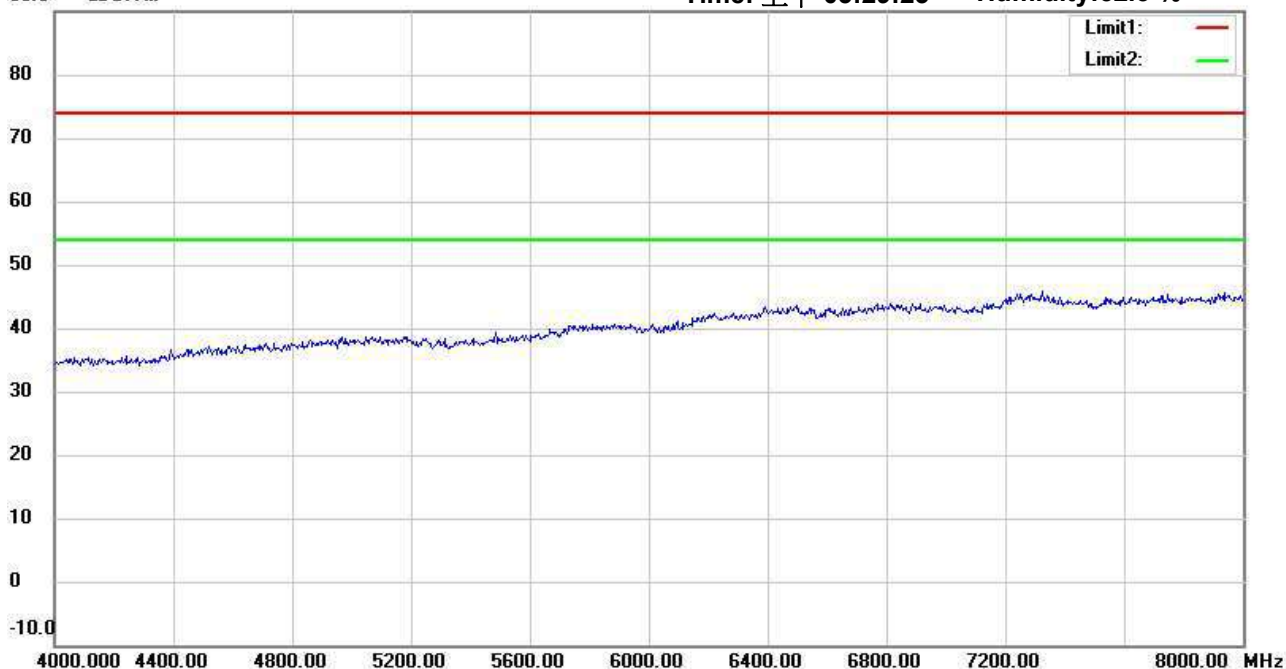
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:29:23

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
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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: Echo

File : 3

Data : #8

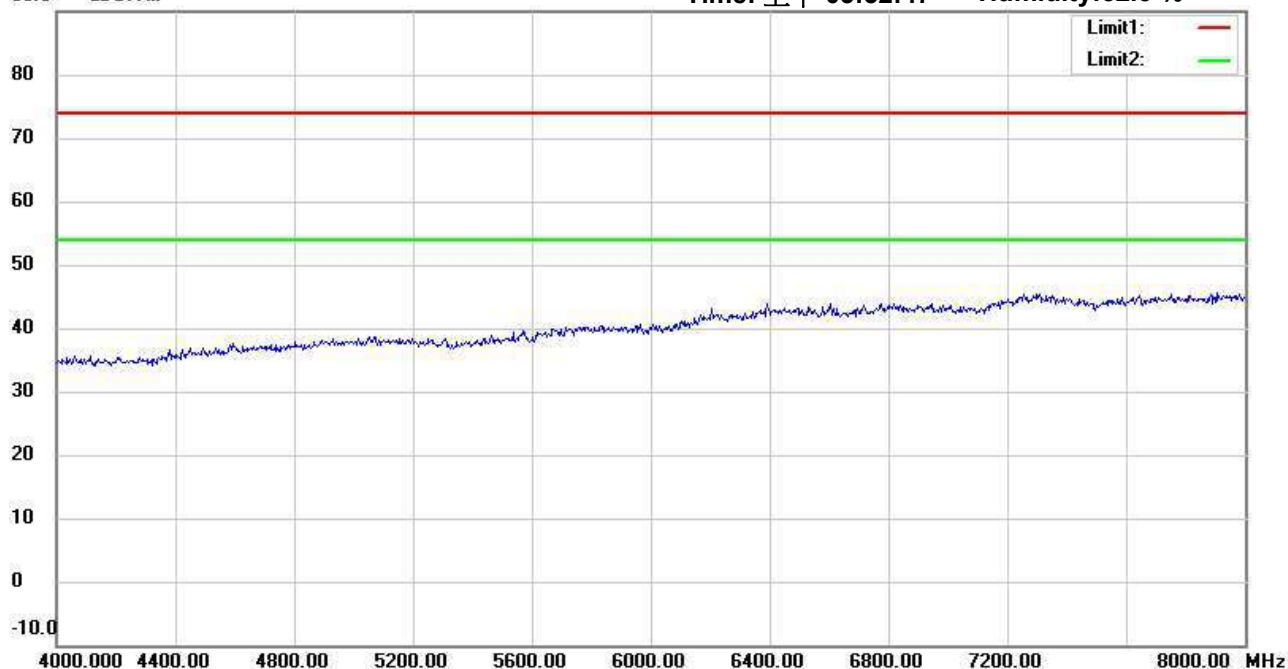
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:32:47

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
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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: Echo

File :3

Data :#3

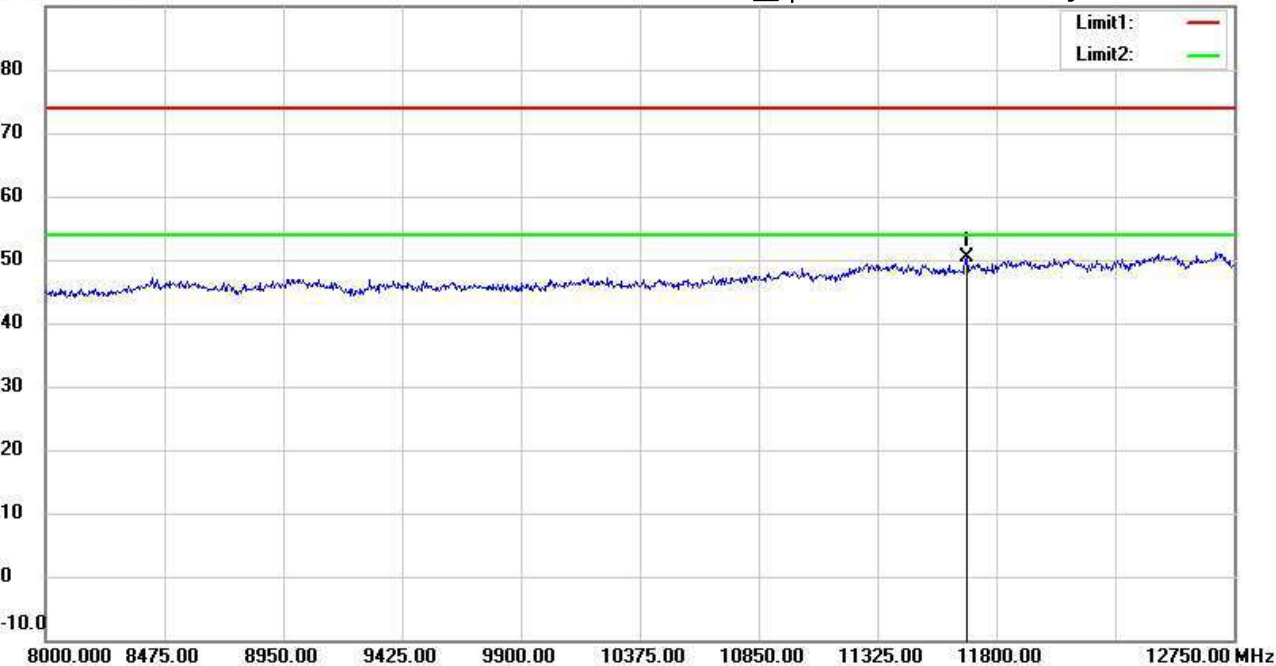
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:30:05

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
*	11681.250	34.45	peak	15.95	50.40	74.00	150	200	-23.60	

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



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

Radiated Emission Measurement

Operator: Echo

File : 3

Data : #9

Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:33:29

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
*	11678.875	34.58	peak	15.96	50.54	74.00	150	360	-23.46	

*: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: Echo

File :3

Data :#4

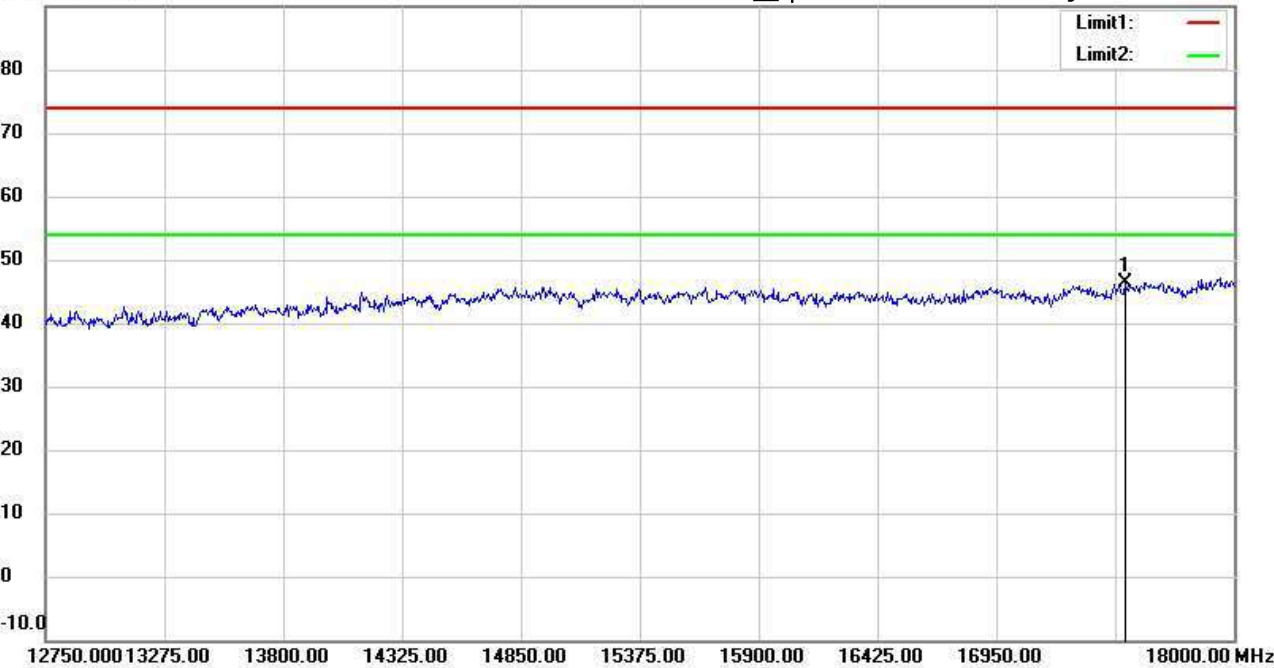
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:30:52

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
*	17517.000	23.48	peak	22.97	46.45	74.00	100	357	-27.55	

*: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: Echo

File :3

Data :#10

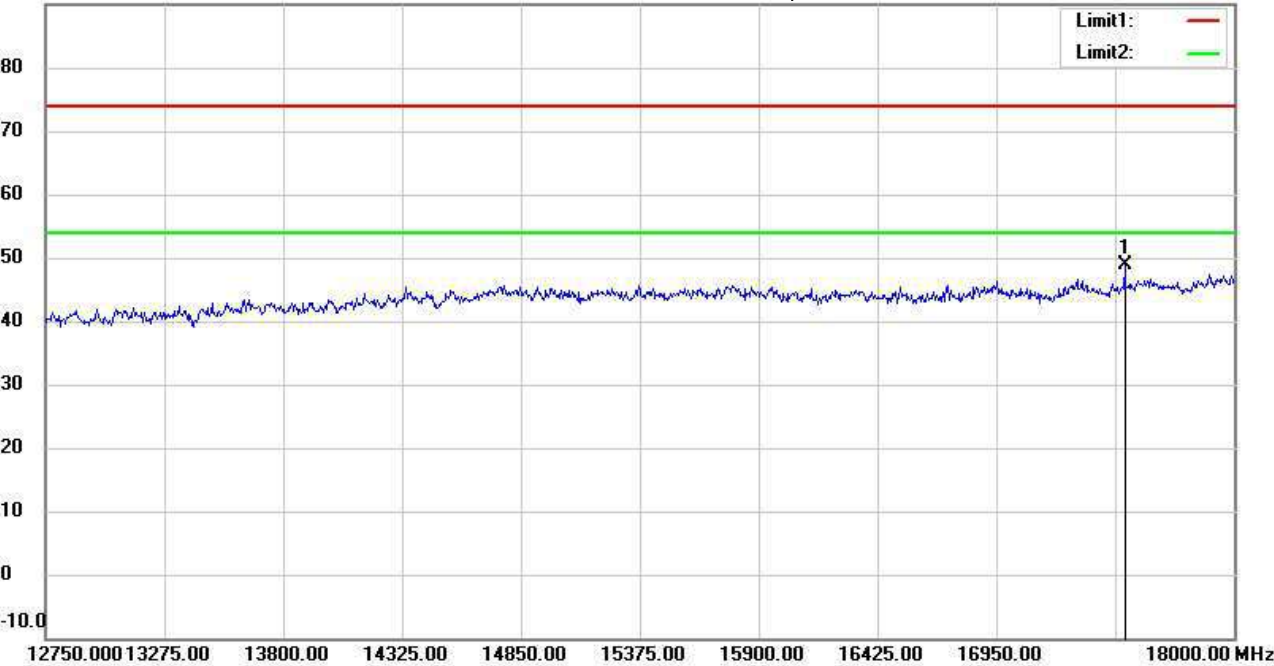
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:34:16

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
*	17519.625	25.85	peak	23.01	48.86	74.00	150	194	-25.14	

*: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: Echo

File :3

Data :#5

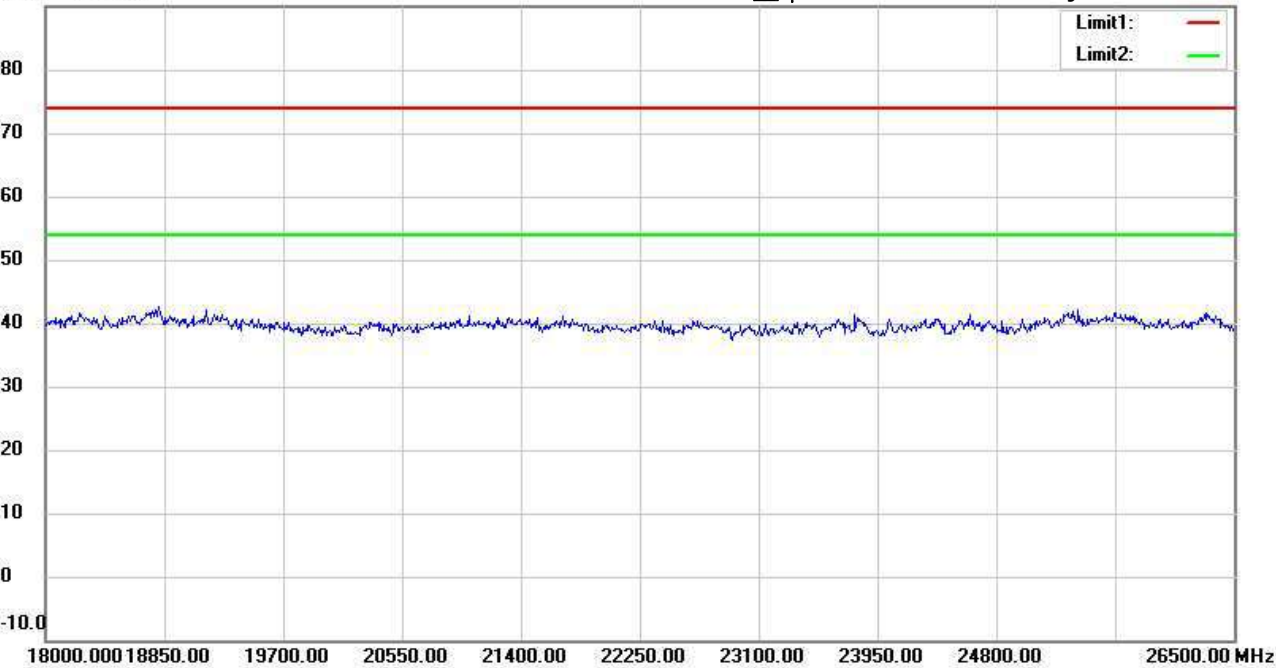
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:31:01

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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



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Fax:+886-2-2646-1533

Radiated Emission Measurement

Operator: Echo

File :3

Data :#11

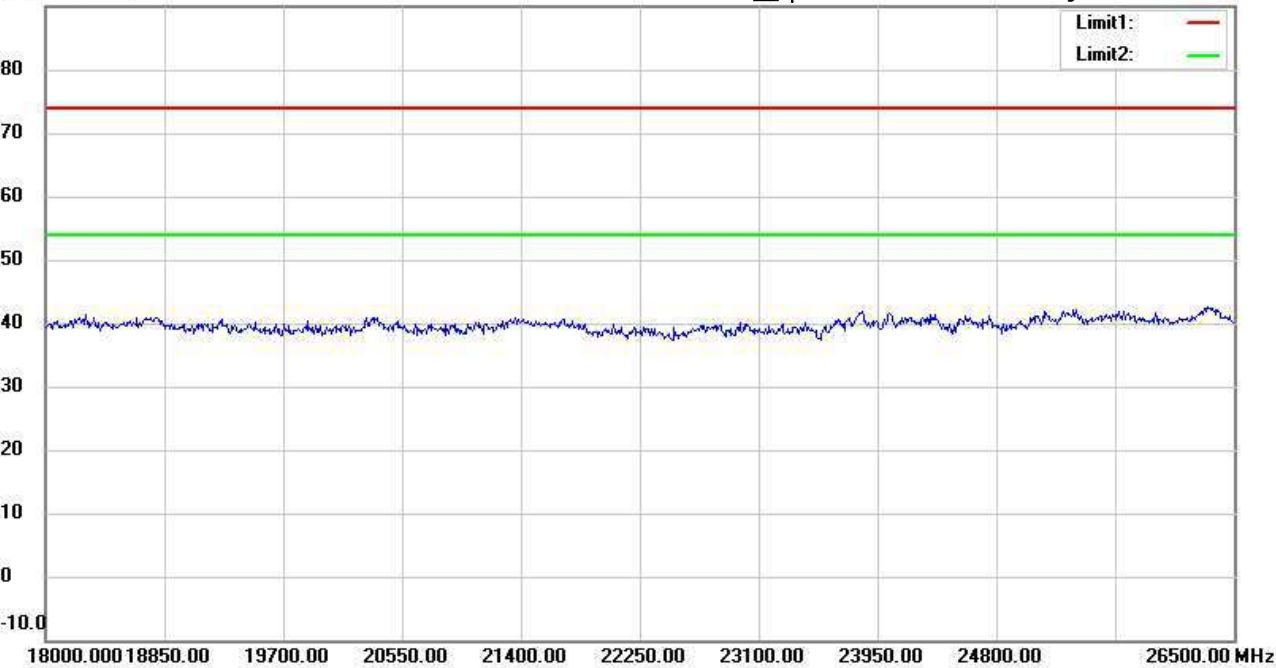
Date: 2024/8/9

Temperature:25.9 °C

90.0 dBuV/m

Time: 上午 05:34:26

Humidity:52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
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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: Echo

File : 3

Data : #6

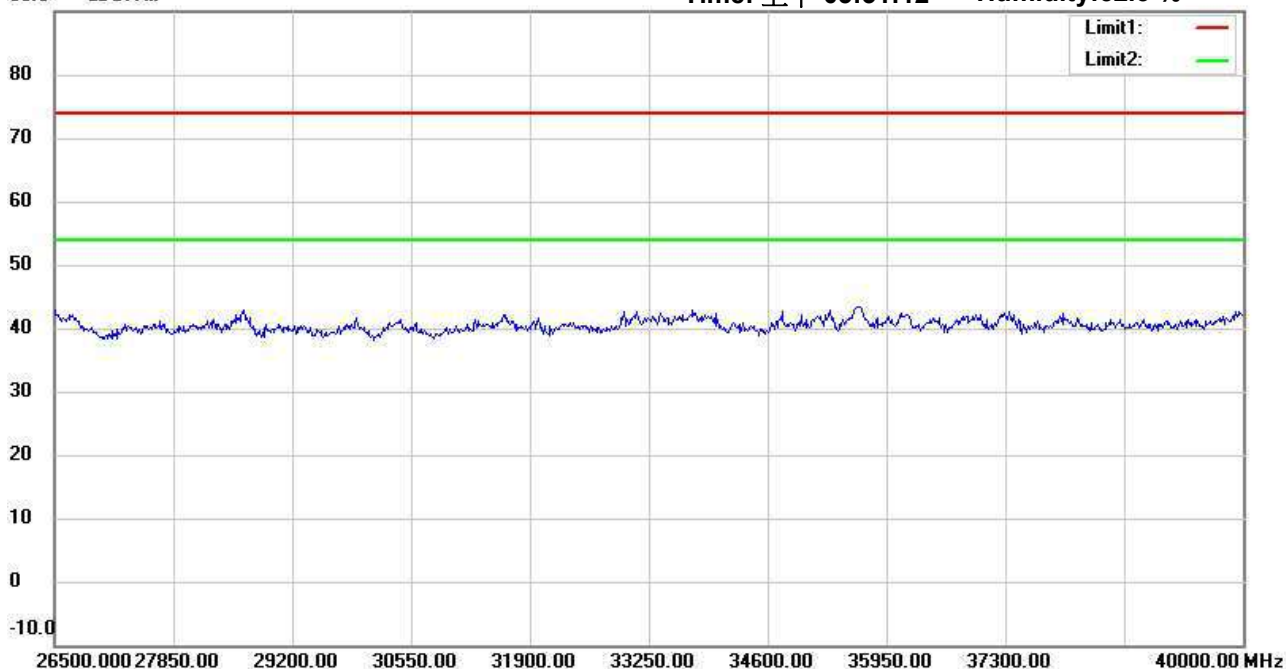
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:31:12

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
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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: Echo

File : 3

Data : #12

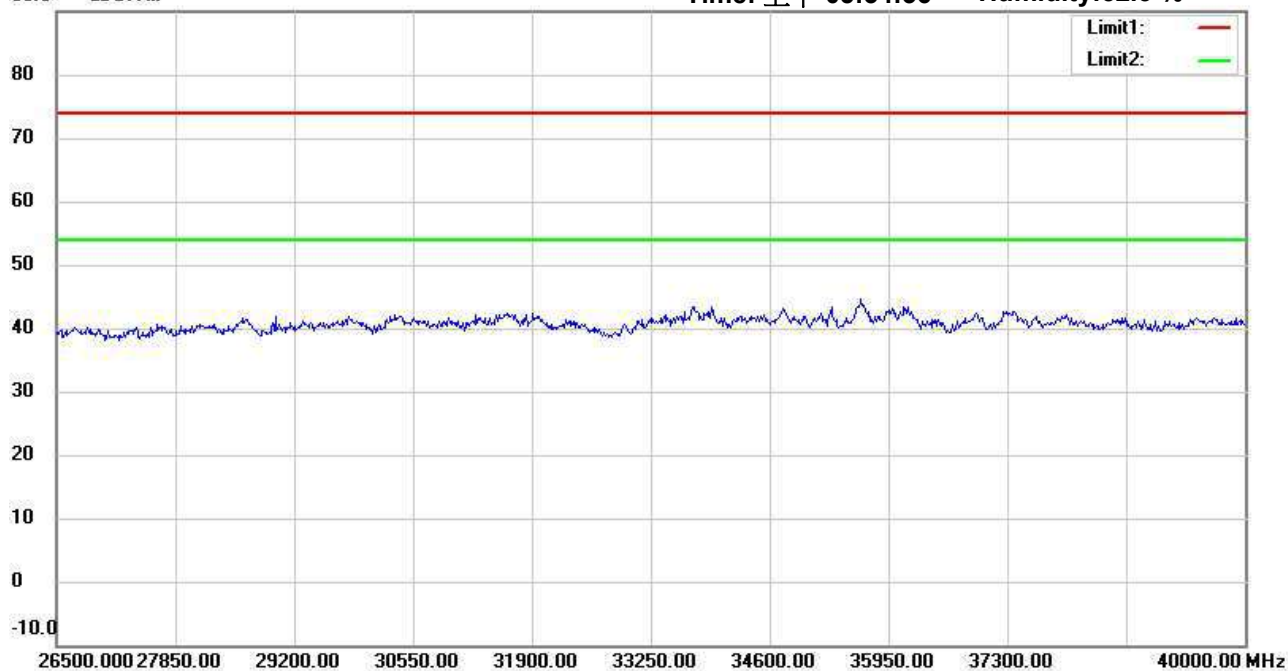
Date: 2024/8/9

Temperature: 25.9 °C

90.0 dBuV/m

Time: 上午 05:34:36

Humidity: 52.3 %



Site : 966A Chamber

Condition : FCC_part 15E RE_Above 1GHz_PK

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

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
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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
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Radiated Emission Measurement

Operator: Rick

File :5735

Data :#1

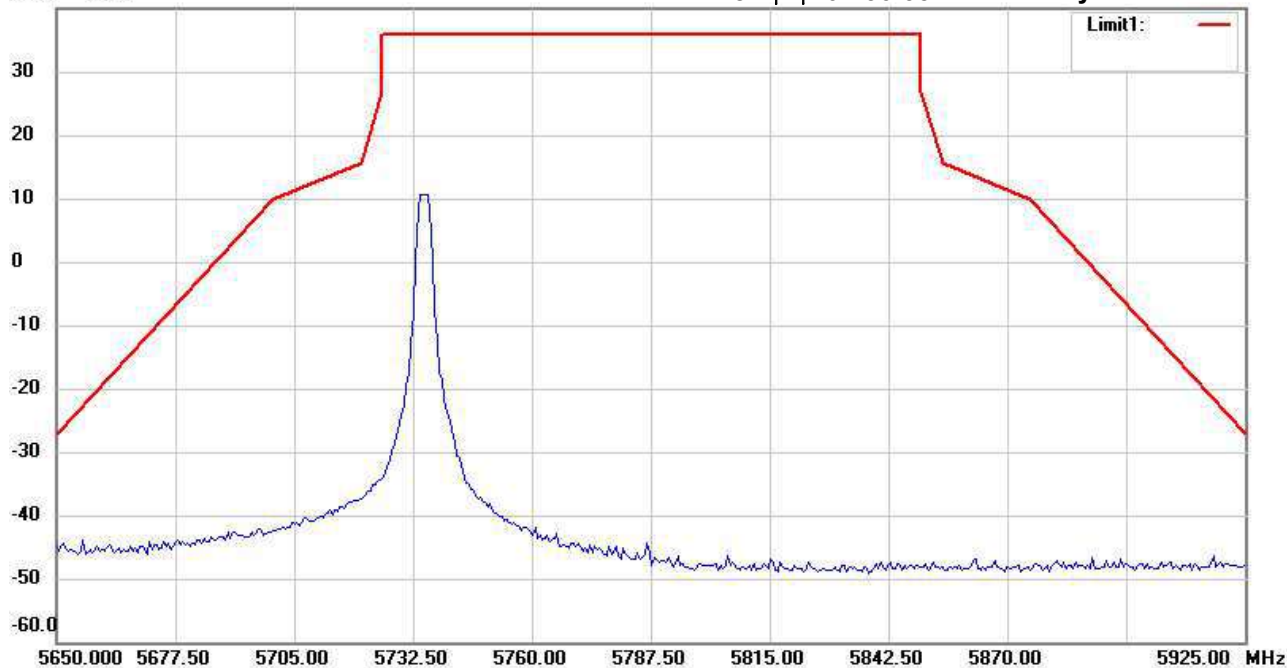
Date: 2024/7/26

Temperature:22 °C

40.0 dBm

Time: 下午 07:36:35

Humidity:55 %



Site : 966A Chamber

Condition : FCC_5G Band4 Mask

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: *Horizontal*

Power : 3Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	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
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Radiated Emission Measurement

Operator: Rick

File :5735

Data :#2

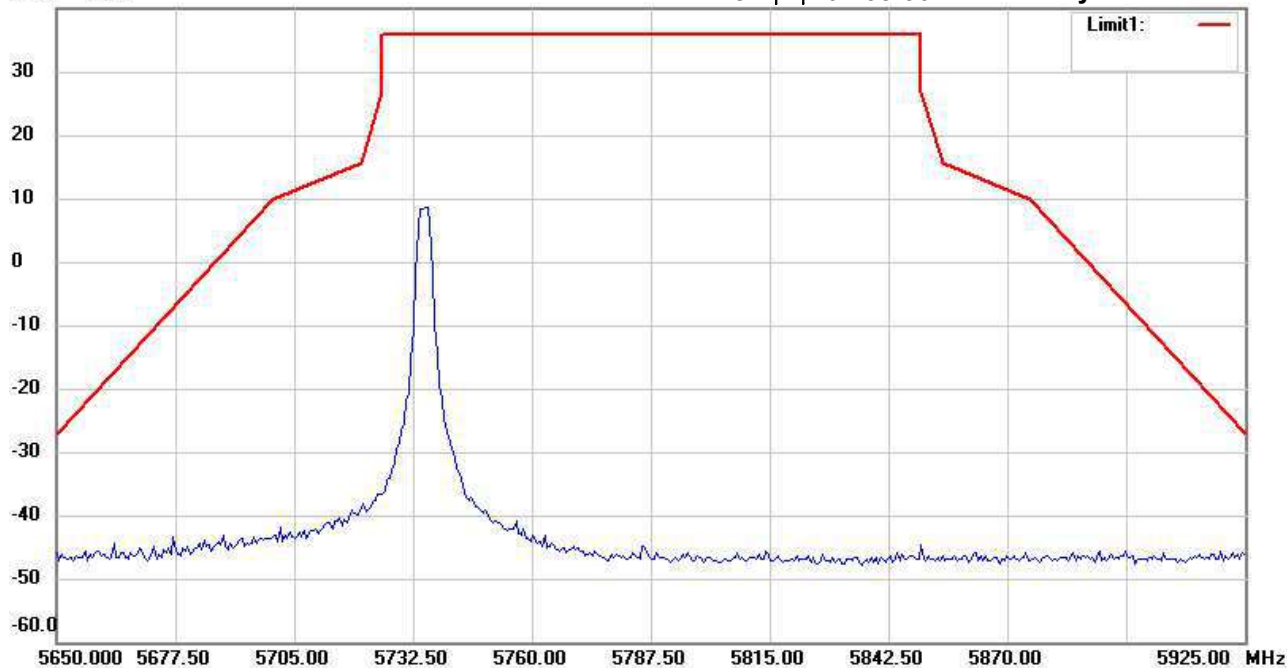
Date: 2024/7/26

Temperature:22 °C

40.0 dBm

Time: 下午 07:38:36

Humidity:55 %



Site : 966A Chamber

Condition : FCC_5G Band4 Mask

EUT : W6M22405-23490

M/N:

Test Mode : TX 5735MHz

Note :

Polarization: Vertical

Power : 3Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	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: Rick

File : 5787

Data : #1

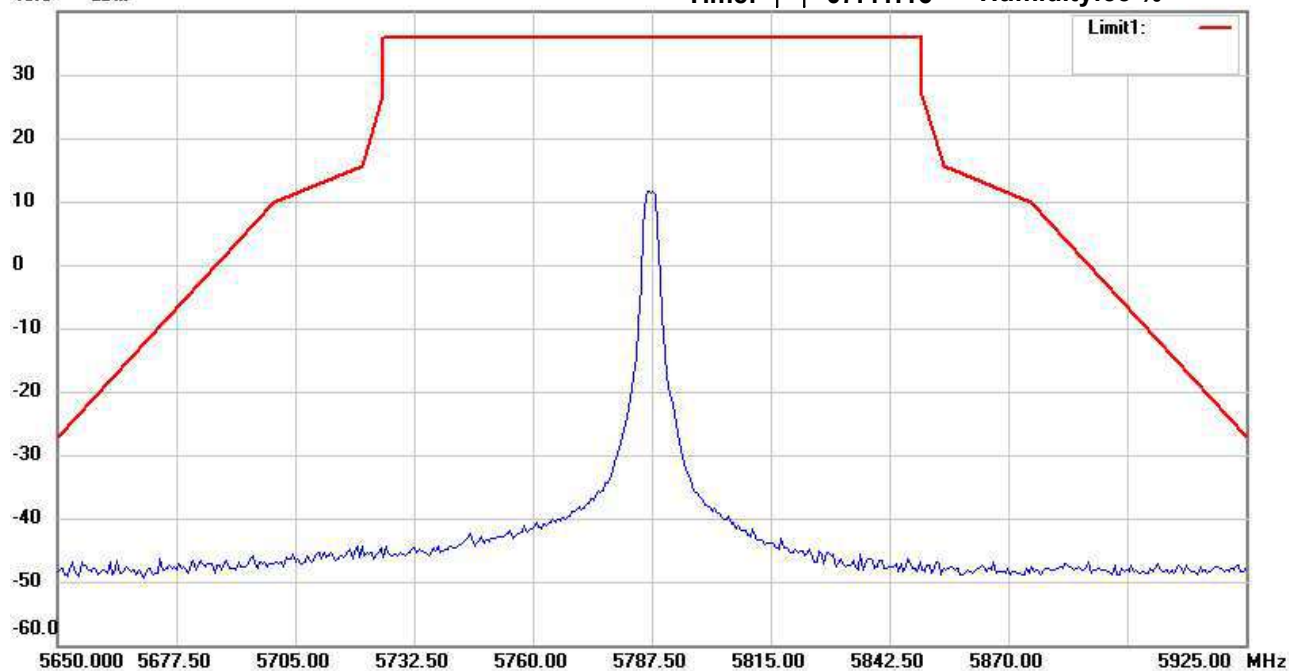
Date: 2024/7/26

Temperature: 22 °C

40.0 dBm

Time: 下午 07:41:16

Humidity: 55 %



Site : 966A Chamber

Condition : FCC_5G Band4 Mask

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: *Horizontal*

Power : 3Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	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: Rick

File : 5787

Data : #2

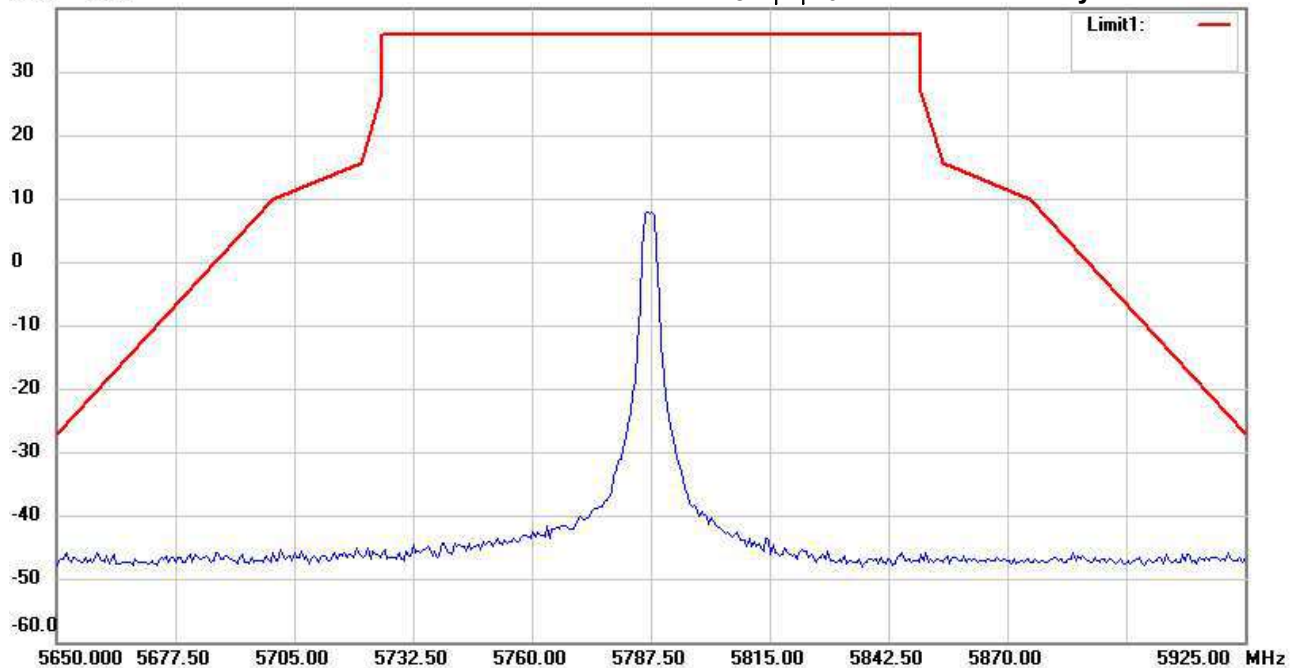
Date: 2024/7/26

Temperature: 22 °C

40.0 dBm

Time: 下午 07:42:44

Humidity: 55 %



Site : 966A Chamber

Condition : FCC_5G Band4 Mask

EUT : W6M22405-23490

M/N:

Test Mode : TX 5787MHz

Note :

Polarization: **Vertical**

Power : 3Vd.c.

Distance: 3m

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



Radiated Emission Measurement

Operator: Rick

File :5839

Data :#1

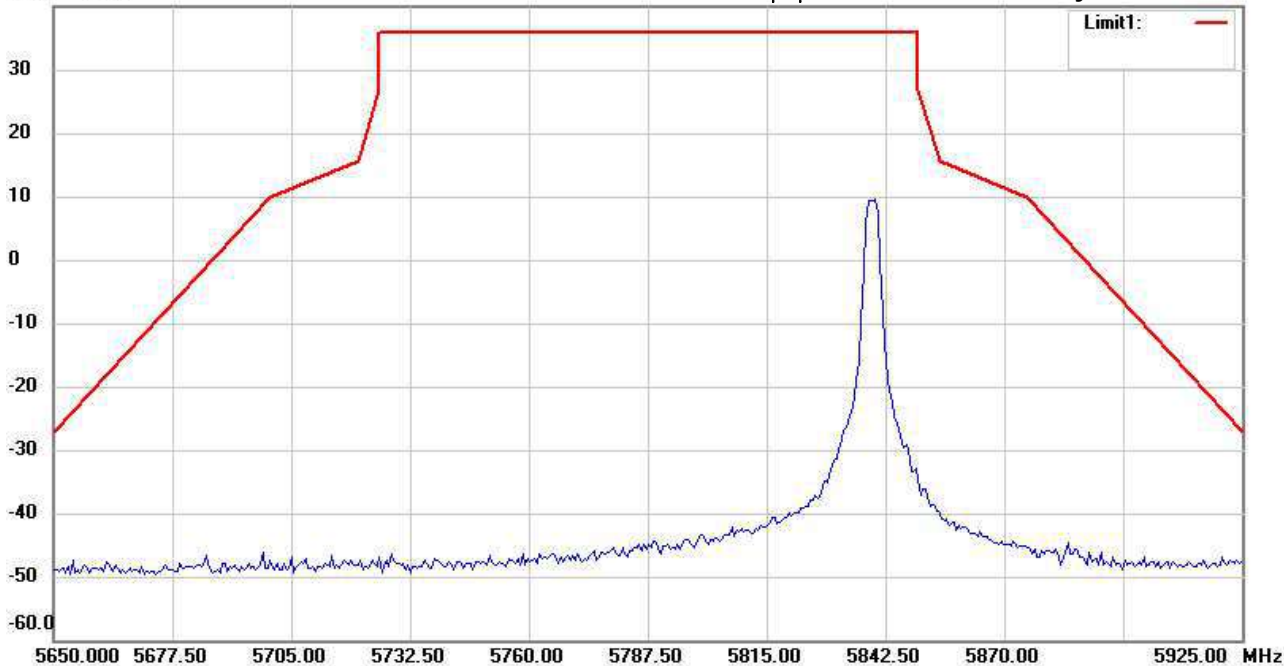
Date: 2024/7/26

Temperature:22 °C

40.0 dBm

Time: 下午 07:45:12

Humidity:55 %



Site : 966A Chamber

Condition : FCC_5G Band4 Mask

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: *Horizontal*

Power : 3Vd.c.

Distance: 3m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
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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: Rick

File :5839

Data :#2

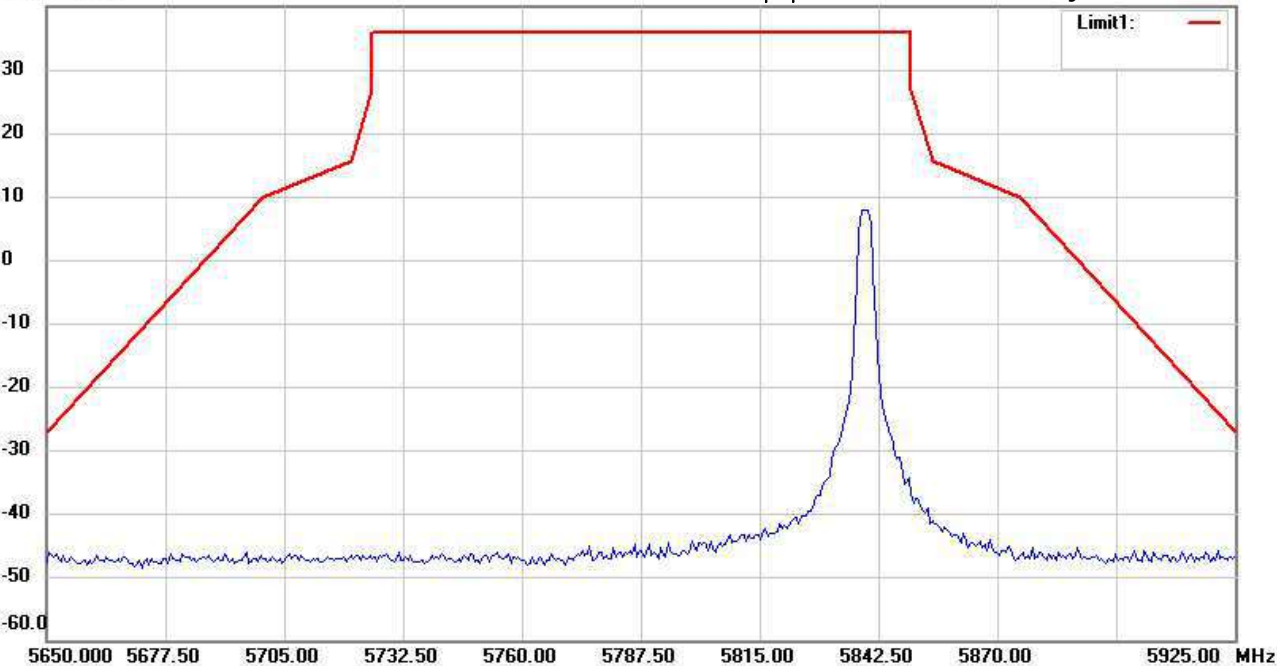
Date: 2024/7/26

Temperature:22 °C

40.0 dBm

Time: 下午 07:46:32

Humidity:55 %



Site : 966A Chamber

Condition : FCC_5G Band4 Mask

EUT : W6M22405-23490

M/N:

Test Mode : TX 5839MHz

Note :

Polarization: **Vertical**

Power : 3Vd.c.

Distance: 3m

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