

**Radio equipment according to Certification
Ordinance Article 2 Section 1 No.19
According to MIC Notice No. 88 Appendix 43
for
TPMS TOOL
Model No.: TPMS6**

of

Applicant: ATEQ INSTRUMENTS (ASIA)PTE LTD.
TAIWAN BRANCH (SINGAPORE)
Address: NO.3, LANE 223, SAN JIA DONG STREET, 40642,
TAICHUNG, TAIWAN

Tested and Prepared

By

Worldwide Testing Services (Taiwan) Co., Ltd.

Report No.: W6M22603-25036-J-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
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1 General Information

1.1 Notes

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

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

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

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that 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.



Worldwide Testing Services(Taiwan) Co., Ltd.

Tester:

April 20, 2026

Sky Liu

Sky

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

April 20, 2026

Kevin Wang

Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

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

Telefication Reviewed Laboratory: TRL 0501

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

Name	: ./.
Accredited no.	: ./.
Street	: ./.
Town	: ./.
Country	: ./.

1.3 Details of applicant

Name	: ATEQ INSTRUMENTS (ASIA)PTE LTD. TAIWAN BRANCH (SINGAPORE)
Street	: NO.3, LANE 223, SAN JIA DONG STREET, 40642,
City	: TAICHUNG,
Country	: TAIWAN

1.4 Application details

Date of receipt of test item	: March 24, 2026
Date of test	: from March 25, 2026 to April 15, 2026



1.5 Equipment information

Description of test item : TPMS TOOL

Type identification : TPMS6

Brand name : Snap-on

Modulation type : OOK

Frequency range : 2400 MHz – 2483.5 MHz

Tested frequencies : 2450 MHz

Type of antenna : Flex Dipole Antenna

Antenna gain : 2.8 dBi

Rated output power : 10 mW

Sample no. : #01

Manufacturer: (if different from applicant)

1.

Name : ATEQ INSTRUMENTS (ASIA)PTE LTD.
TAIWAN BRANCH (SINGAPORE)

Street : NO.3, LANE 223, SAN JIA DONG STREET, 40642,

City : TAICHUNG,

Country : TAIWAN

2.

Name : Might Electronic Co., Ltd.

Street : No. 41-1, Lin 2, Yuan-Shan Tsuen, Hsing-Feng Hsiang,

City : Hsin-Chu Hsien 304,

Country : Taiwan (R.O.C.)

1.6 Assembly

Glue dot will be used to seal the case for preventing access RF parts directly. For this EUT is opening only by destroying the equipment have been taken to satisfy sample requirement.

1.7 Testing method

Article 2 Paragraph 1 of Item 19

1.8 Test method

MIC notification. No.88 of 2004, Annex 43



2 Technical Test

2.1 Summary of test results

No deviations from the technical specifications were ascertained in the course of the test performed.

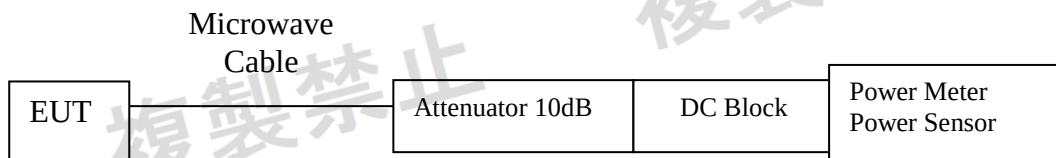
2.2 Test environment

Temperature	:	5° C - 35 ° C
Relative humidity content	:	45% - 85%
Air pressure	:	990 - 1300 hPa
Details of power supply	:	USB 5Vd.c. Battery 3.8V, 3050mAh, 11.59Wh
Other parameter	:	./.
Extreme conditions parameters	:	V _{nom} : 3.8 V V _{min} : 3.6 V V _{max} : 4.18 V
Additional information	:	./.

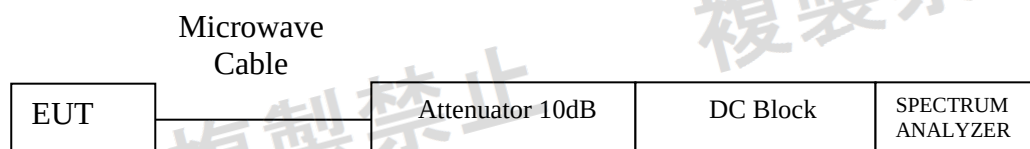


2.3 Test setup

Antenna power



Frequency tolerance, Occupied bandwidth and Spurious emission



Test item Name	Measurement Uncertainty
Estimation Result of Uncertainty of Frequency Drift Measurement	Expanded Uncertainty : 6.11 Hz
Estimation Result of Uncertainty of Bandwidth Measurement	Expanded Uncertainty : 0.37 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement	Expanded Uncertainty : 1.49 dB

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



2.4 Test equipment utilized

Frequency Tolerance & OCCUPIED BANDWIDTH & EIRP POWER

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date	Calibration Body	Calibration Method
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2026/2/13	2027/2/12	WTS	C
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2026/3/12	2027/3/11	ITRI	C
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2026/2/13	2027/2/12	WTS	C
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2026/2/13	2027/2/12	WTS	C

Conducted Spurious Emission

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date	Calibration Body	Calibration Method
ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2026/2/13	2027/2/12	WTS	C
ETSTW-RE 133	EXA Signal Analyzer	N9010A	MY53470566	Agilent	2025/5/8	2026/5/7	ITRI	C
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2026/2/13	2027/2/12	WTS	C
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2026/2/13	2027/2/12	WTS	C

Calibration Method:

- Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1)
- Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
- Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)
- Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)



3 Test results (enclosure)

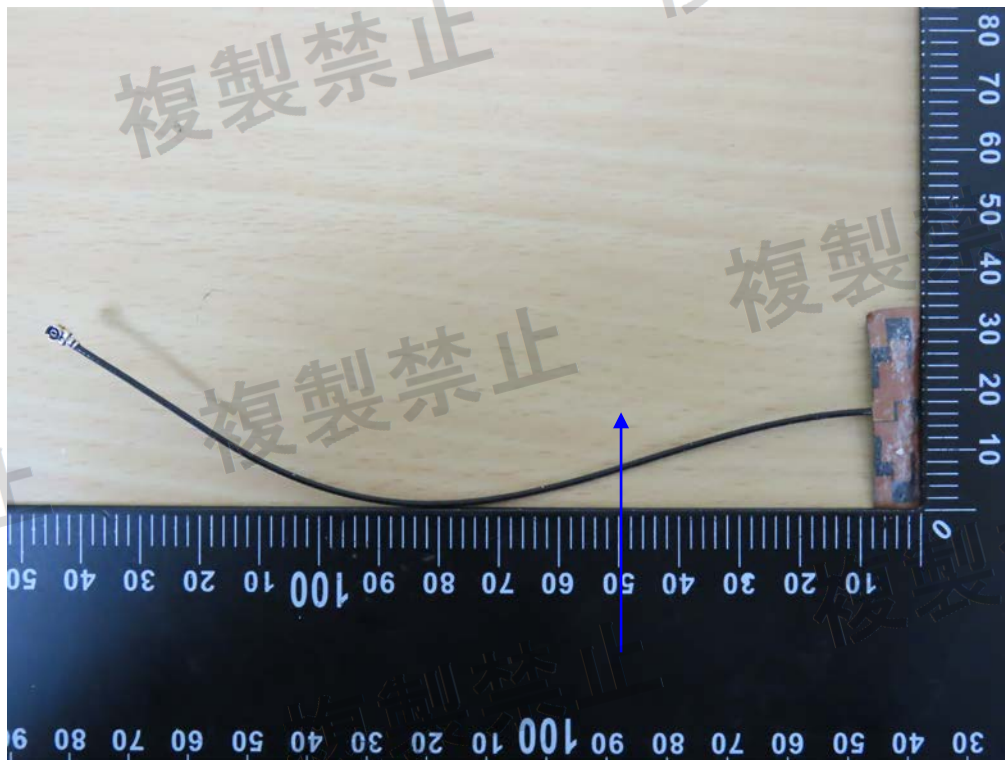
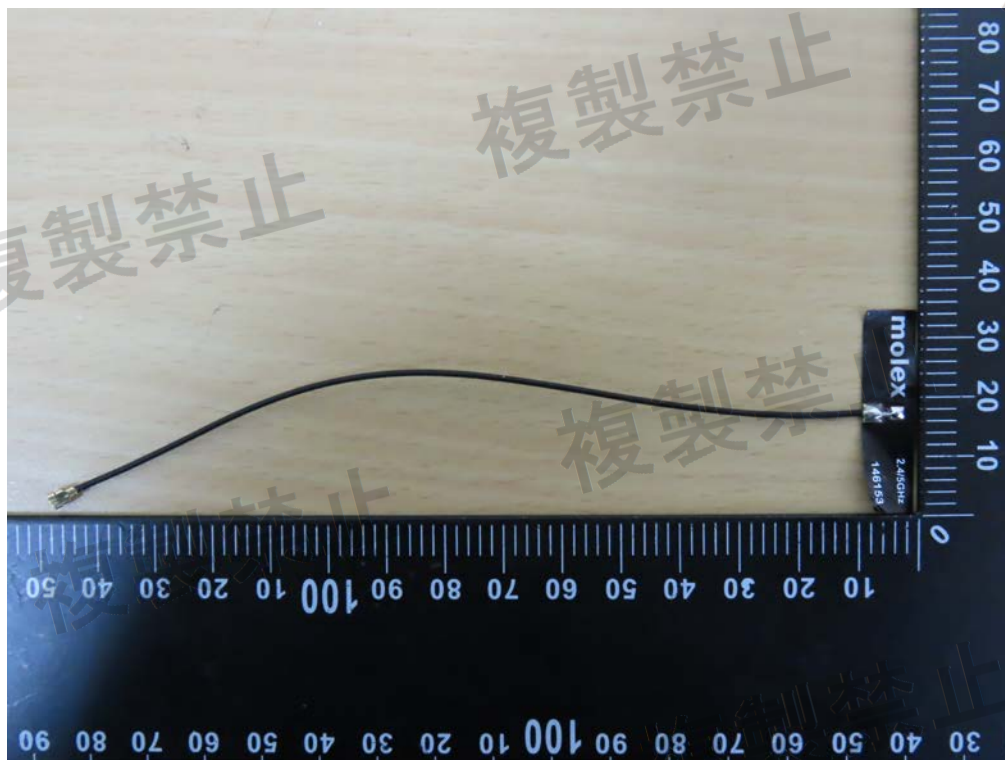
☒ 1st test

☐ test after modification

☐ production test

Test case	Subclause	Required	Status
<i>General provisions</i>			
Frequency tolerance	5	☒	C
Occupied bandwidth	6	☒	C
Spurious emissions	7	☒	C
<i>Transmitting equipment</i>			
Antenna power	14	☒	C
SAR	14.2	☐	NA
Frequency stabilization	15	☒	C
<i>Transmitter antenna</i>			
Type, configuration, etc. of transmitting antenna	20	☒	C
Directional pattern of transmitting antenna	22	☒	C
<i>Receiving equipment</i>			
Spurious emission of receiver	24	☐	C
Refer to all articles for transmitter antenna	26	☐	C
<i>Operating frequency 2401-2451MHz</i>			
High Frequency/modulation section cannot be opened easily	49.20(1); a	☒	C
Spread spectrum method	49.20(1); d	☐	NA
Antenna power	49.20(1); e	☒	C
Absolute gain of transmitting antenna	49.20(1); f(1)	☒	C
Half Power Beam Angle	49.20(1); f(2)	☐	NA
Number of carriers within 1 MHz bandwidth in OFDM	49.20(1); g	☐	NA
Dwell time (FH employed)	49.20(1); j	☐	NA
Interference Prevention Function	9-4. 8	☒	C
Note 1: C = Conform NC = Not Conform NT = Not Tested NA = Not Applicable			

3.1 Antenna specifications



Antenna Type: Flex Dipole Antenna/Gain: 2.8dBi



Voltage variation

Test Condition	Voltage Condition	Voltage Input (V)	Voltage Output (V)	Tolerance (%)
DC 3.8V	Normal	3.8	3.29	0
	Low	3.6	3.29	0
	High	4.18	3.29	0

The influence of input voltage to output voltage is within 1%.

Therefore we performed test under normal voltage DC 3.8V.



3.2 Frequency Tolerance

Tolerance from nominal frequency:

Test date: April 07, 2026

Temperature: 24.9 °C

Humidity: 59.7 %

Tester: Sky

Mode	Channel	Frequency Tolerance (kHz)	MAX Frequency Tolerance (ppm)	Limit (ppm)
		Vnor		
2.4G	2450 MHz	12.5	5.1	50

Limits:

Under all test conditions	< 50 ppm
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3.3 Occupied Bandwidth (99% channel power bandwidth)

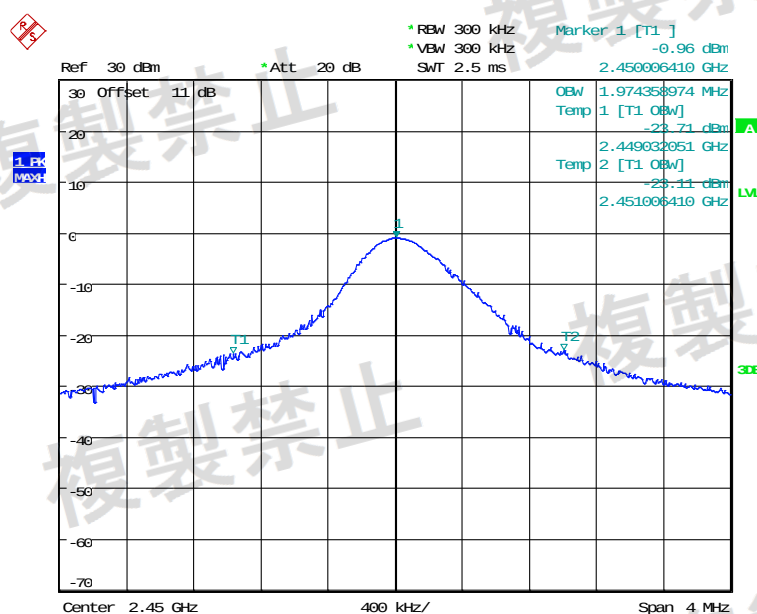
Test date: April 14, 2026

Temperature: 26.3 °C

Humidity: 59.0 %

Tester: Sky

2.4G Occupied Bandwidth		
Test Freq	Test Volt	Measure value(MHz)
2450MHz	3.8Vd.c.	1.974358974

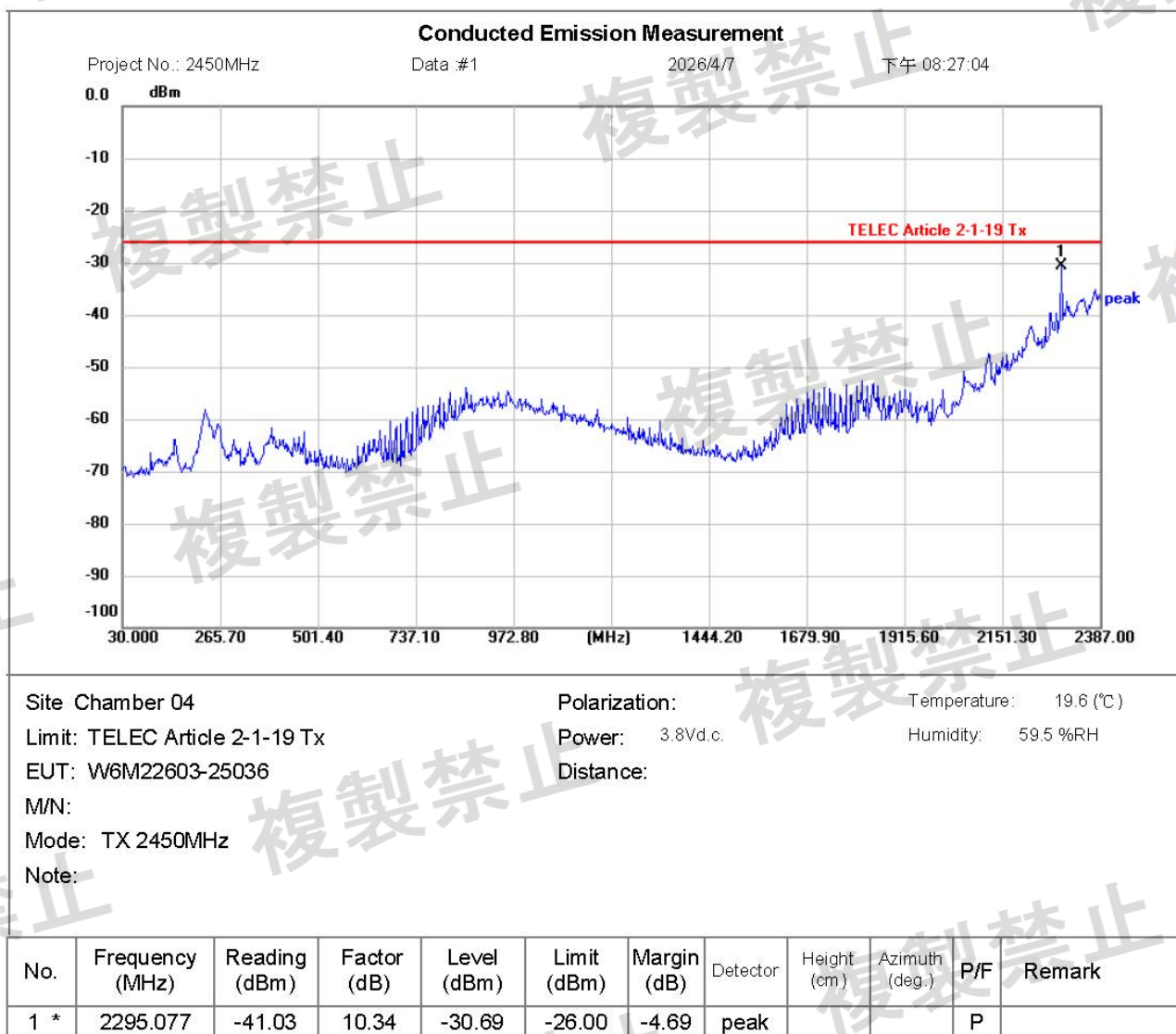


OCCUPIED BANDWIDTH 2450MHz
Date: 14.APR.2026 16:17:50

Limits:

Under all test conditions	FH: 83.5 MHz
	FH+DS : within 26MHz
	FH+OFDM : within 26MHz
	OFDM : 26-40 MHz
	Others : within 26MHz

3.4 Spurious emissions transmitter





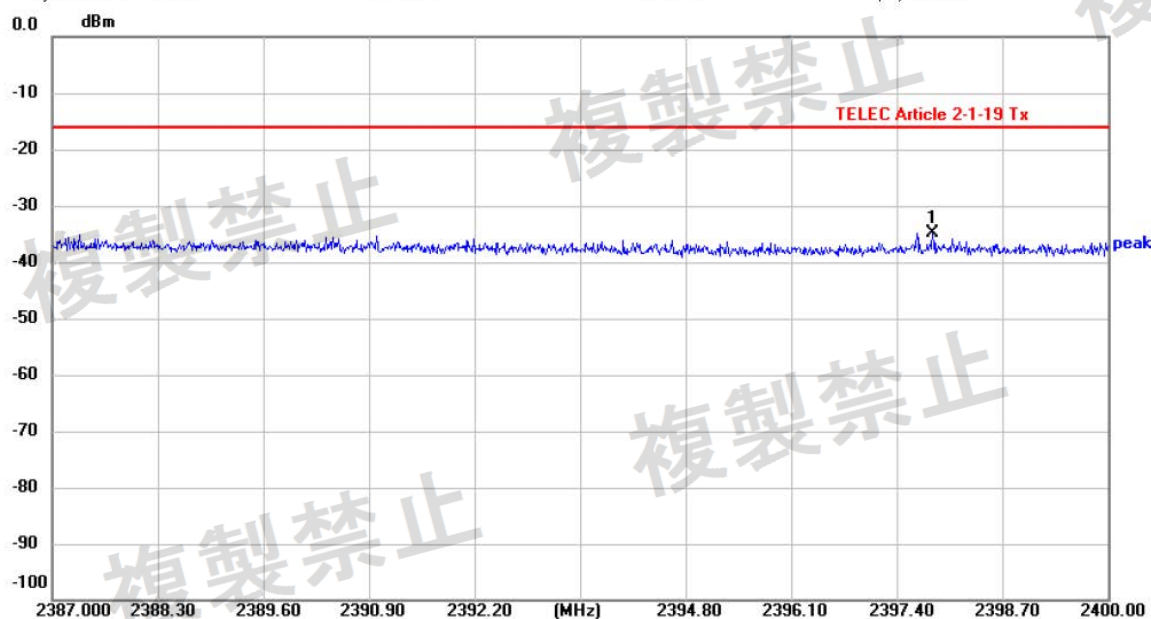
Conducted Emission Measurement

Project No.: 2450MHz

Data #2

2026/4/7

下午 08:27:35



Site Chamber 04

Limit: TELEC Article 2-1-19 Tx

EUT: W6M22603-25036

M/N:

Mode: TX 2450MHz

Note:

Polarization:

Power: 3.8Vd.c.

Distance:

Temperature: 19.6 (°C)

Humidity: 59.5 %RH

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2397.842	-45.20	10.36	-34.84	-16.00	-18.84	peak			P	



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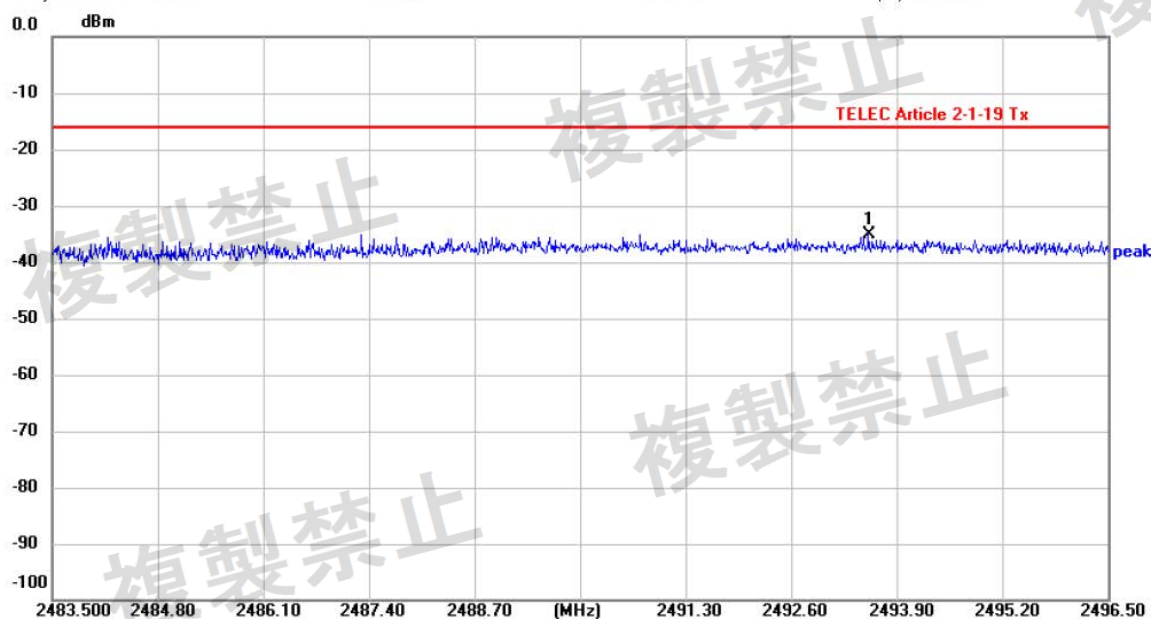
Conducted Emission Measurement

Project No.: 2450MHz

Data #3

2026/4/7

下午 08:27:51



Site Chamber 04

Limit: TELEC Article 2-1-19 Tx

EUT: W6M22603-25036

M/N:

Mode: TX 2450MHz

Note:

Polarization:

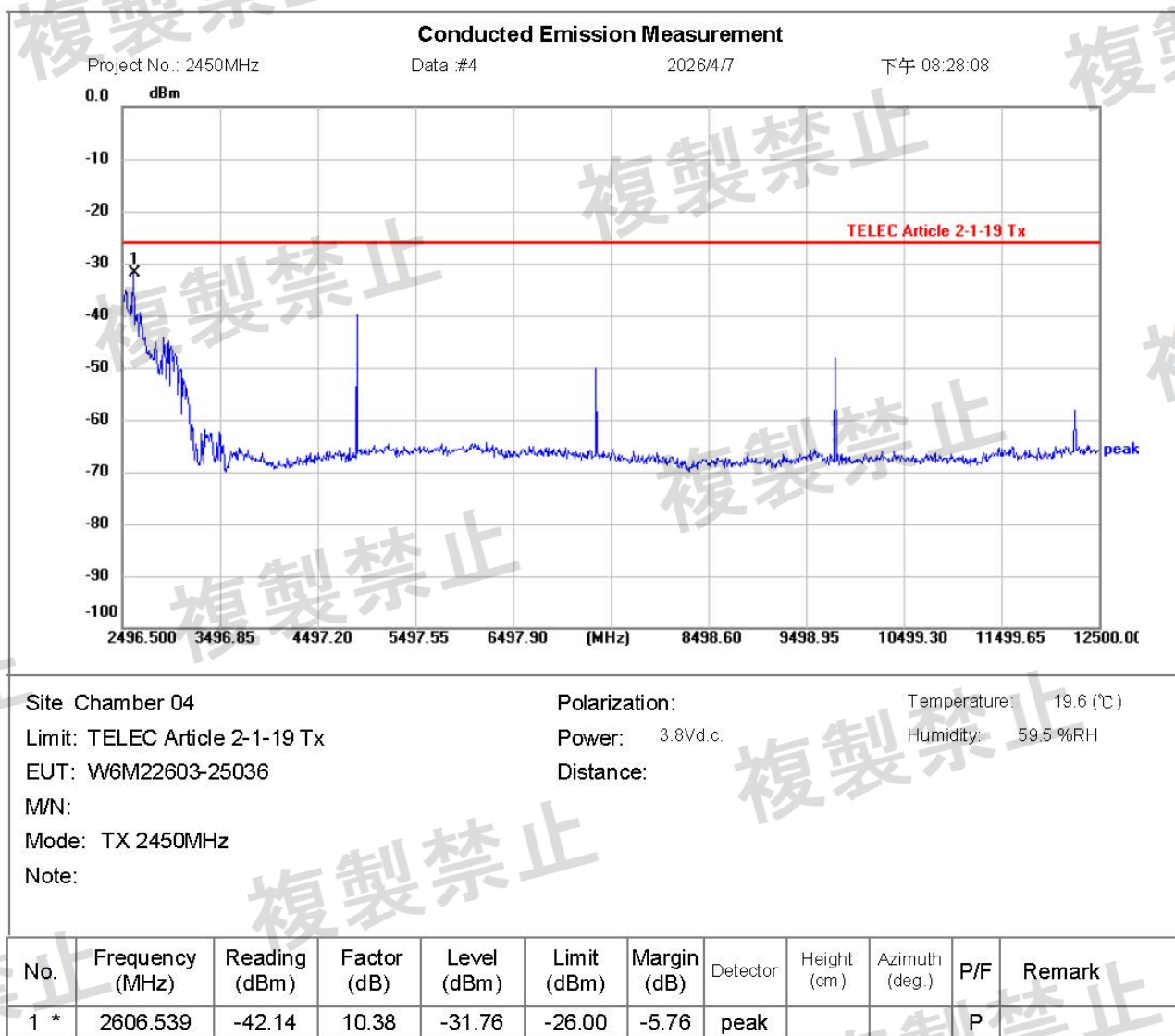
Power: 3.8Vd.c.

Distance:

Temperature: 19.6 (°C)

Humidity: 59.5 %RH

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2493.549	-45.36	10.36	-35.00	-16.00	-19.00	peak			P	



Explanation: ./.

Limits:

Transmitting operating	Operating frequency 2400 – 2483 MHz: Below 2387MHz : 2.5μW/MHz (-26 dBm) 2387 to 2400MHz : 25μW/MHz (-16 dBm) 2483.5 through 2496.5MHz : 25μW/MHz (-16 dBm) Over 2496.5MHz : 2.5μW/MHz (-16 dBm)
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30MHz-2387MHz

1. The measurement use $RBW = 1\text{ MHz}$, $VBW = 1\text{ MHz}$
2. The unit is dBm/MHz for the Reading, the Result, and the Limit.
3. Correction Factor = Attenuator + Cable loss
4. The formula of measured value as: Test Result = Reading + Correction Factor
5. Line: PK Limit Line.

2387MHz-2400MHz

1. The measurement use $RBW = 1\text{ MHz}$, $VBW = 1\text{ MHz}$
2. The unit is dBm/MHz for the Reading, the Result, and the Limit.
3. Correction Factor = Attenuator + Cable loss
4. The formula of measured value as: Test Result = Reading + Correction Factor
5. Line: PK Limit Line.

2483.5MHz-2496.5MHz

1. The measurement use $RBW = 1\text{ MHz}$, $VBW = 1\text{ MHz}$
2. The unit is dBm/MHz for the Reading, the Result, and the Limit.
3. Correction Factor = Attenuator + Cable loss
4. The formula of measured value as: Test Result = Reading + Correction Factor
5. Line: PK Limit Line.

2496.5MHz-12500MHz

1. The measurement use $RBW = 1\text{ MHz}$, $VBW = 1\text{ MHz}$
2. The unit is dBm/MHz for the Reading, the Result, and the Limit.
3. Correction Factor = Attenuator + Cable loss
4. The formula of measured value as: Test Result = Reading + Correction Factor
5. Line: PK Limit Line.



3.5 Antenna Power

Test date: April 07, 2026

Temperature: 24.9 °C

Humidity: 59.7 %

Tester: Sky

Mode	Frequency	Power (mW)	Limit (mW)
		Vnor	
2.4G	2450 MHz	0.61	10

Rated output power	Antenna power (mW)	Tolerance
10 mW	0.61	-93.90%

Explanation: ./.

Limits:

Under all test conditions	Conducted	(1) FH, FH+DS, FH+OFDM 3mW/MHz (used in the range of 2427 - 2470.75MHz) (2) Other than (1) of OFDM & DS : 10mW/MHz (3) Other than (1) & (2) : 10mW Tolerance: +20%
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3.6 E.I.R.P.

A represents the value determined by dividing an equivalent isotropically radiated power by the value obtained by applying an antenna power with the mean power of 10 mW to the transmitting antenna with its absolute gain being 2.14 dBi, and shall be 1 when it is lower than 1.

Test date: April 07, 2026

Temperature: 24.9 °C

Humidity: 59.7 %

Tester: Sky

Mode	Frequency	Power (dBm)	Antenna gain (dBi)	EIRP (dBm)	Limit (dBm)
		Vnor			
2.4G	2450 MHz	-2.13	2.8	0.67	12.14



3.7 Spurious emission receiver

Explanation: This test is not required due to the EUT is a transmitter.

Limit values:

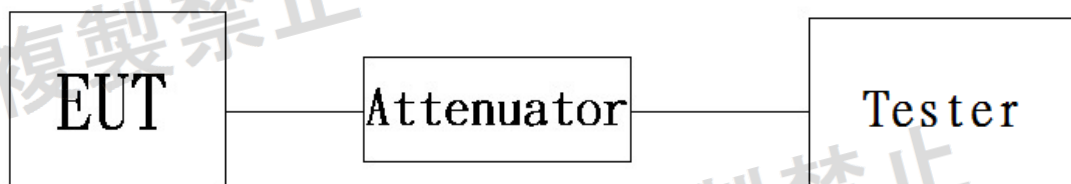
Receiver operating	$\leq 1000 \text{ MHz: } \leq 4\text{nW } (-54 \text{ dBm})$ $\geq 1000 \text{ MHz: } \leq 20\text{nW } (-47 \text{ dBm})$
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3.8 Interference Prevention Function

Test Requirement

Chiefly, the one automatically to transmit and to receive identification code with the wireless equipment of the wireless station used in the same premises.

Test Setup Block Diagram



Test Procedure

1. Set the EUT in communication mode.
2. Open the test software.
3. Confirm the identification code.

Test Results

The identification code is correct.