

**Radio equipment according to Certification
Ordinance Article 2 Paragraph 1 of Item 19
According to MIC Notice No. 88 Appendix 43
for
Charging case
Model No.: LnS E1**

of

Applicant: Fortune Grand Technology Inc.
Address: No.350, Shanying Rd., Guishan Dist.,
Taoyuan City 33341, Taiwan

Tested and Prepared

By

Worldwide Testing Services (Taiwan) Co., Ltd.

Report No.: W6M22512-24851-J-1

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



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1 General Information

1.1 Notes

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

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

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

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

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

February 12, 2026

Sky Liu

Sky

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

February 12, 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.)

3m 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

1.3 Details of applicant

Name	: Fortune Grand Technology Inc.
Street	: No.350, Shanying Rd., Guishan Dist.,
Town	: Taoyuan City 33341,
Country	: Taiwan

1.4 Application details

Date of receipt of test item	: December 15, 2025
Date of test	: from December 16, 2025 to February 05, 2026

1.5 Equipment information

Description of test item	: Charging case
Type identification	: LnS E1
Multi-listing model no.	: /.
Brand name	: LIFE N SOUL
Modulation technology	: FHSS



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Modulation type	: GFSK、 π /4DQPSK、8DPSK
Frequency range	: 2.4000 GHz - 2.4835 GHz
Tested frequencies	: 2.402 – 2.480 GHz
Frequency of the used channel	: Frequency (ch 0) : 2.402 GHz Frequency (ch 39) : 2.441 GHz Frequency (ch 78) : 2.480 GHz
Type of antenna	: Chip Antenna
Antenna gain	: 2.7 dBi
Rated output power	: 3mW/MHz
Sample no.	: #01

Manufacturer: (if different from applicant)

Name	: HUNAN XIANGDANGDANG INTELLIGENT TECHNOLOGY CO., LTD
1. Street	: Honghuayuan Industrial Park, Lufeng Town Industrial Concentration Zone, Xupu County,
Town	: Huaihua City, Hunan Province
Country	: China.
2. Street	: Yuan Building Floors 2, 3, 4; Cai Building Floors 1, 2, 6; Fa Building Floor 2; Guang Building Floor 2, Honghuayuan Industrial Park, Lufeng Town Industrial Concentration Zone, Xupu County,
Town	: Huaihua City, Hunan Province
Country	: China.

1.6 Assembly

We used underfill/potting compound to shield the RF module components (IC). However, removing this material causes damage to the IC pins, leading to functional failure.

1.7 Test method

According to MIC Notice No. 88 Appendix 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.

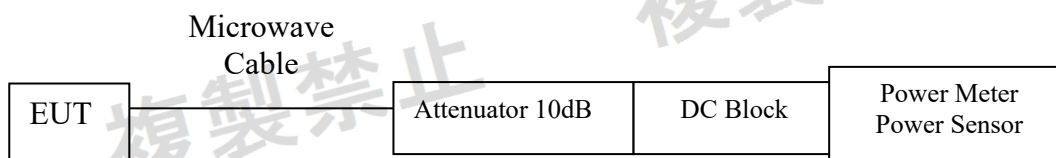
2.2 Test environment

Temperature	:	5 ° C - 35 ° C
Relative humidity content	:	45% - 85%
Air pressure	:	990 - 1300 hPa
Details of power supply	:	Earphone- I/P: 5Vd.c., 25mA Battery 3.7Vd.c., 40mAh, 0.148Wh
		Charging case- I/P: 5Vd.c., 300mA; O/P: 5Vd.c., 60mA Battery: 3.7Vd.c., 500mAh, 1.85Wh
Other parameter	:	./.
Extreme conditions parameters	:	Vnom: 3.7 V Vmin: 3.4 V Vmax: 4.07 V

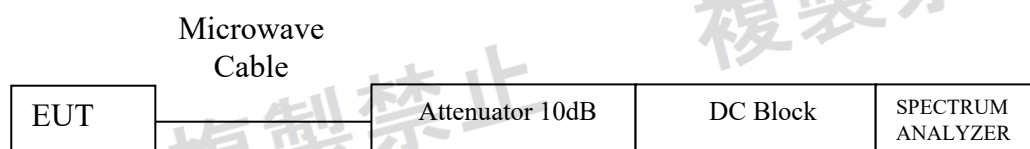


2.3 Test setup

Antenna power and Dwell time



Frequency tolerance, Occupied bandwidth, Spreading 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
Estimation Result of Uncertainty of Duty Cycle Measurement	Expanded Uncertainty : 0.18 ms

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



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2.4 Test equipment utilized

Frequency Tolerance & OCCUPIED BANDWIDTH & SPREADING 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	2025/2/14	2026/2/13	WTS	C
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2025/3/5	2026/3/4	ITRI	C
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2025/2/14	2026/2/13	WTS	C
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2025/2/14	2026/2/13	WTS	C

BURST POWER & DUTY CYCLE

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	2025/2/14	2026/2/13	WTS	C
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2025/2/14	2026/2/13	WTS	C
ETSTW-RE 073	Power Meter	N1911A	MY45100769	Agilent	2025/2/25	2026/2/24	ITRI	C
ETSTW-RE 074	Power Sensor	N1921A	MY45241198	Agilent	2025/2/25	2026/2/24	ITRI	C
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2025/2/14	2026/2/13	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	2025/2/14	2026/2/13	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	2025/2/14	2026/2/13	WTS	C
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S_Cable 9)	279067	HUBER+SUHNER	2025/2/14	2026/2/13	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)



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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 2402-2480MHz</i>			
High Frequency/modulation section cannot be opened easily	49.20(1); a	☒	C
Spread spectrum method	49.20(1); d	☒	C
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)	☒	C
Number of carriers within 1 MHz bandwidth in OFDM	49.20(1); g	☐	NA
Dwell time (FH employed)	49.20(1); j	☒	C
Carrier sense (Only Air craft equipment unless FHSS)	./.	☐	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: Chip Antenna

Antenna gain: 2.7 dBi



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3.2 Frequency Tolerance

Test date: January 26, 2026

Temperature: 21.9°C

Humidity: 58.8%

Tester: Sky

Tolerance from nominal frequency:

Mode	Channel	Frequency Tolerance (kHz)			MAX Frequency Tolerance (ppm)	Limit (ppm)
		Vmin	Vnor	Vmax		
BT	Ch 0 : 2402 MHz	0.962	0.481	0.962	0.4	50
	Ch 39 : 2441 MHz	0.321	0.321	0.321	0.1	
	Ch 78 : 2480 MHz	0.016	0.16	0.321	0.1	

Limits:

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

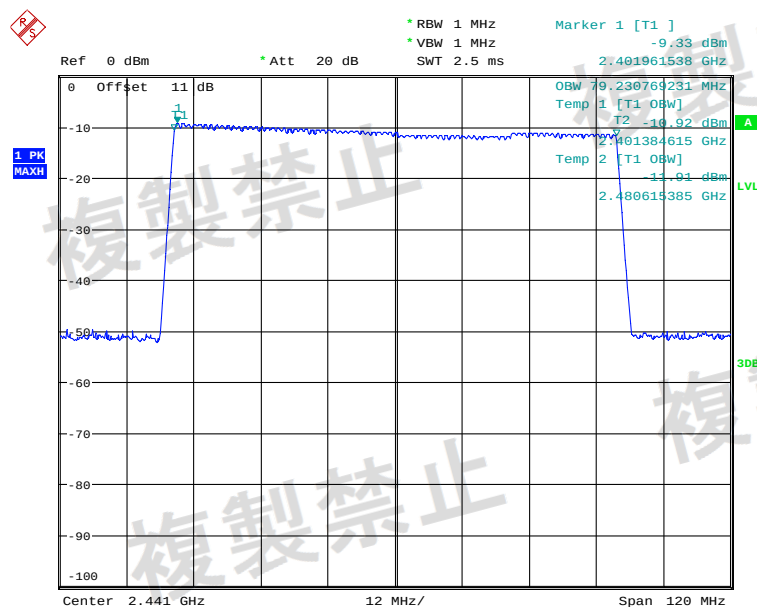
Test date: February 03, 2026

Temperature: 20.6°C

Humidity: 59.5%

Tester: Sky

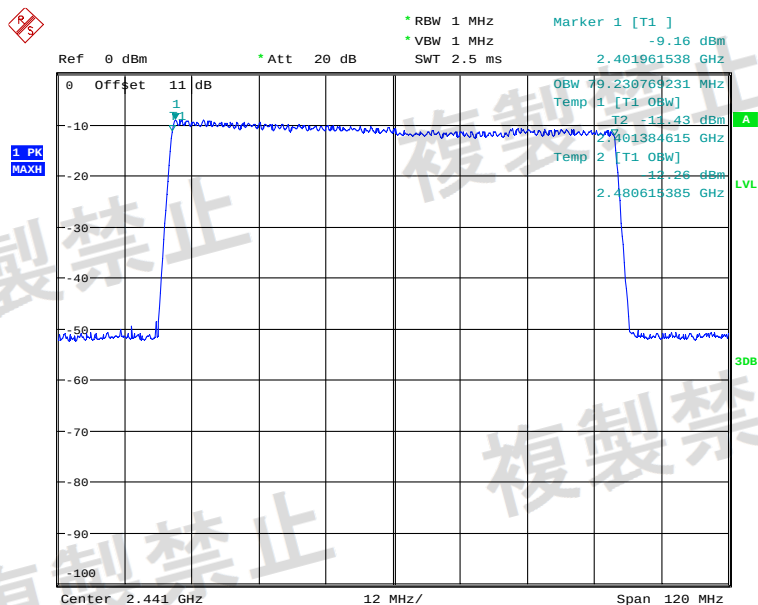
Occupied Bandwidth			
Test Freq	Test Mode	Test Volt	measure value(MHz)
FHSS	NORMAL	3.7Vd.c.	79.23076923
FHSS	EDR 2M	3.7Vd.c.	79.23076923
FHSS	EDR 3M	3.7Vd.c.	79.23076923



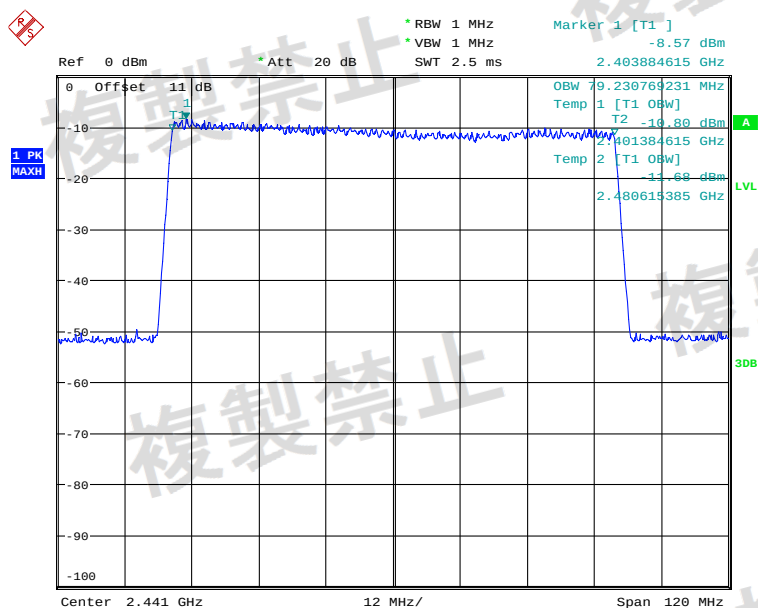
OCCUPIED BANDWIDTH NORMAL MODE 3.7V
Date: 3.FEB.2026 20:11:02



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OCCUPIED BANDWIDTH EDR MODE 2M 3.7V
Date: 3.FEB.2026 20:17:51



OCCUPIED BANDWIDTH EDR MODE 3M 3.7V
Date: 3.FEB.2026 20:25:16



Ref 0 dBm * Att 20 dB

* RBW 1 MHz Marker 1 [T1] -9.13 dBm
 * VBW 1 MHz
 SWT 2.5 ms 2.401961538 GHz

0 Offset 11 dB

1 PK MAXH

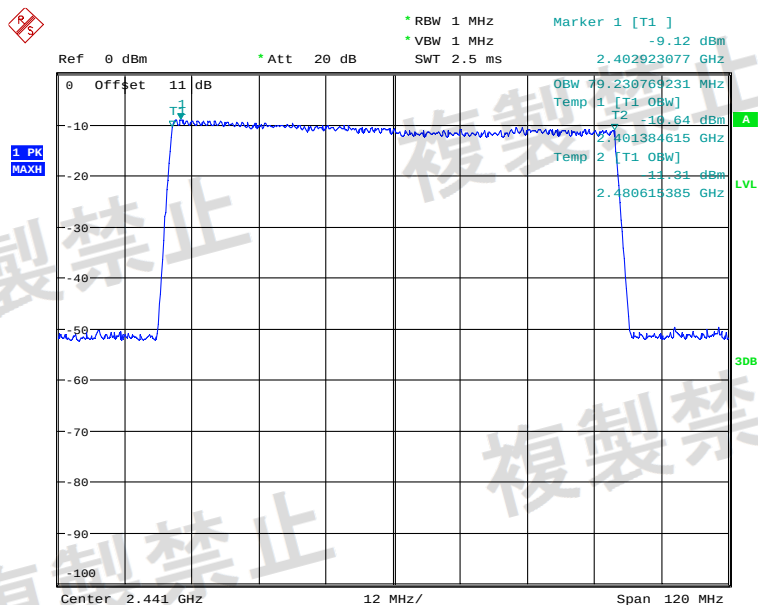
0BW 79.230769231 MHz
 Temp 1 [T1 0BW]
 T2 -19.87 dBm
 2.401384615 GHz
 Temp 2 [T1 0BW]
 11.64 dBm
 2.480615385 GHz

Center 2.441 GHz 12 MHz/ Span 120 MHz

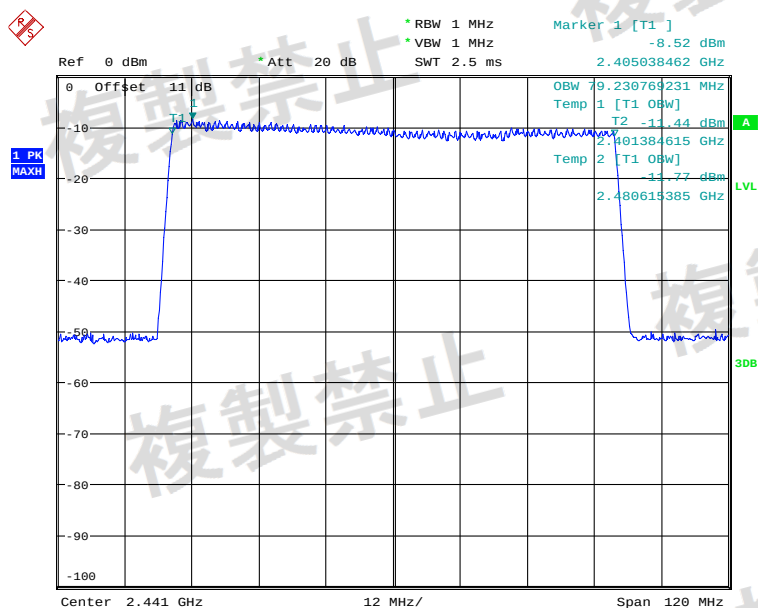
Registration number: W6M22512-24851-J-1



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OCCUPIED BANDWIDTH EDR MODE 2M 3.4V
Date: 3.FEB.2026 20:20:57

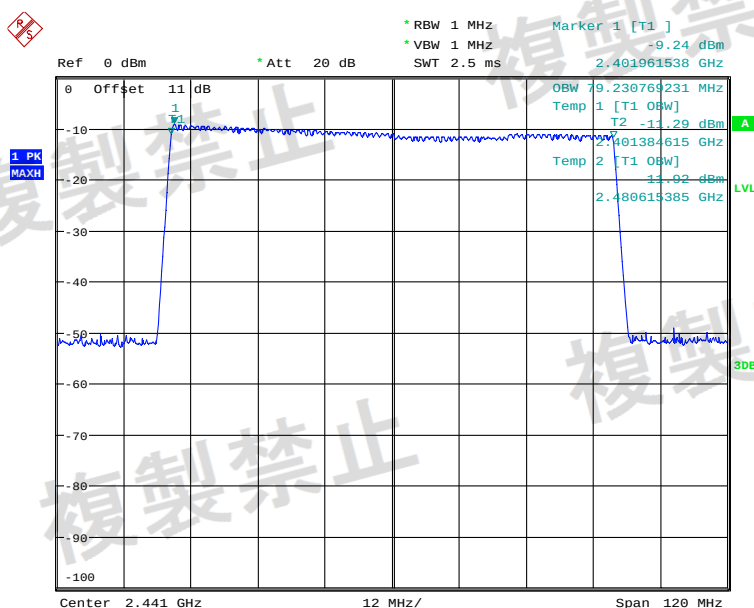


OCCUPIED BANDWIDTH EDR MODE 3M 3.4V
Date: 3.FEB.2026 20:23:22



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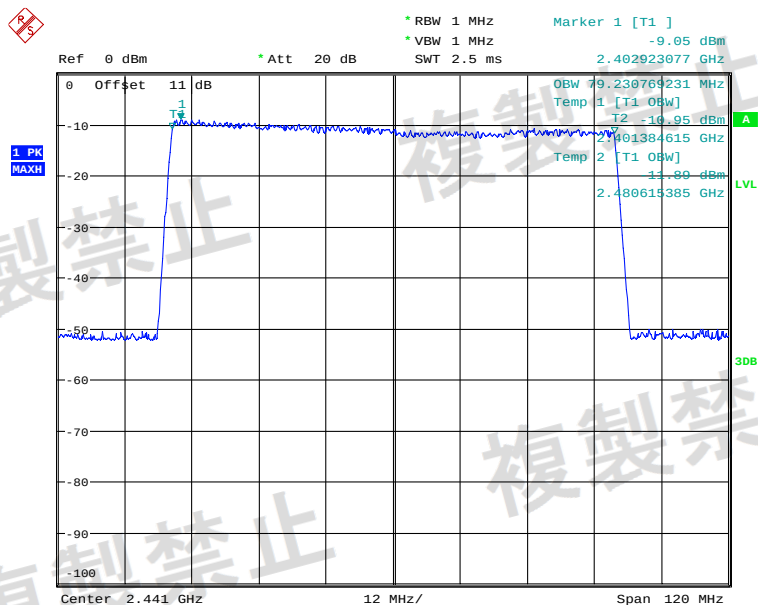
Occupied Bandwidth			
Test Freq	Test Mode	Test Volt	measure value(MHz)
FHSS	NORMAL	4.07Vd.c.	79.23076923
FHSS	EDR 2M	4.07Vd.c.	79.23076923
FHSS	EDR 3M	4.07Vd.c.	79.23076923



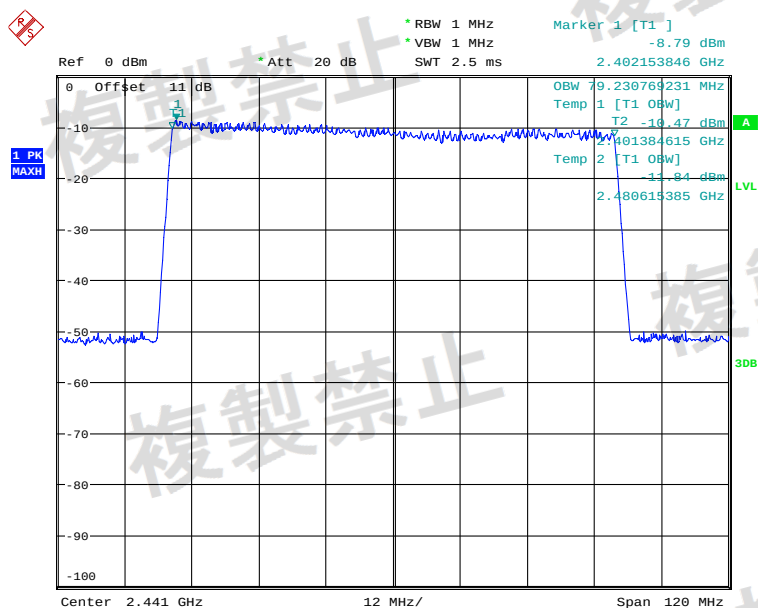
OCCUPIED BANDWIDTH NORMAL MODE 4.07V
Date: 3.FEB.2026 20:14:39



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OCCUPIED BANDWIDTH EDR MODE 2M 4.07V
Date: 3.FEB.2026 20:18:59



OCCUPIED BANDWIDTH EDR MODE 3M 4.07V
Date: 3.FEB.2026 20:27:06



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Limits:

Under all test conditions	Occupied bandwidth: FHSS $\leq$ 83.5 MHz Other method $\leq$ 26 MHz
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3.4 Spreading Bandwidth

Test date: February 03, 2026

Temperature: 20.6°C

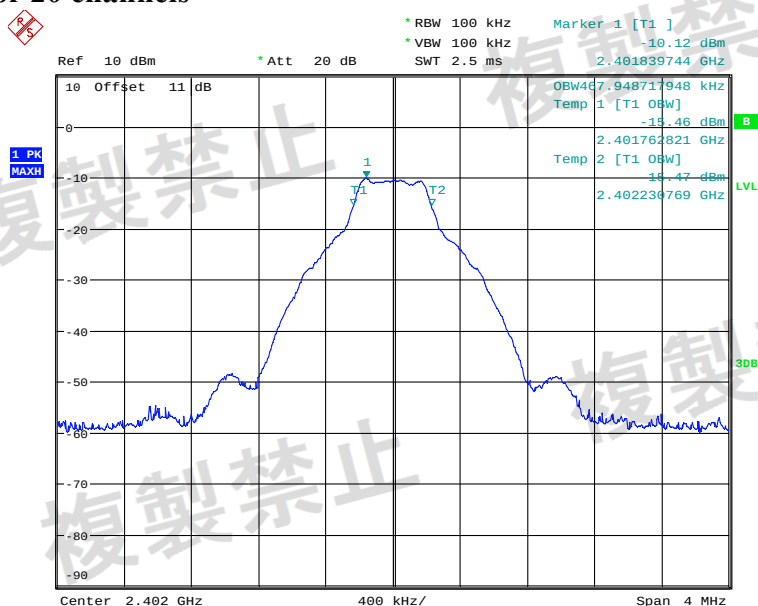
Humidity: 59.5%

Tester: Sky

3.7Vd.c.

Mode: GFSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS NORMAL MODE 3.7V
Date: 3.FEB.2026 20:58:27

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

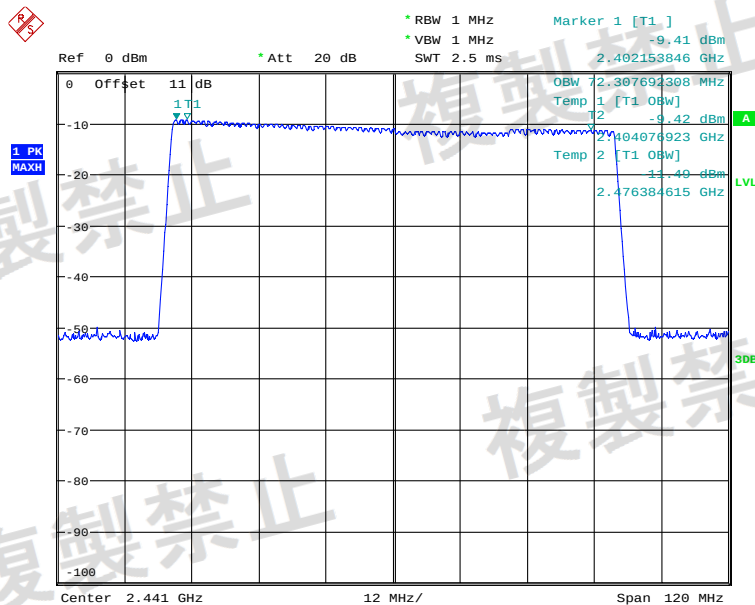
= 17.567949

Note: n= minimum amount of channels



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79 channels



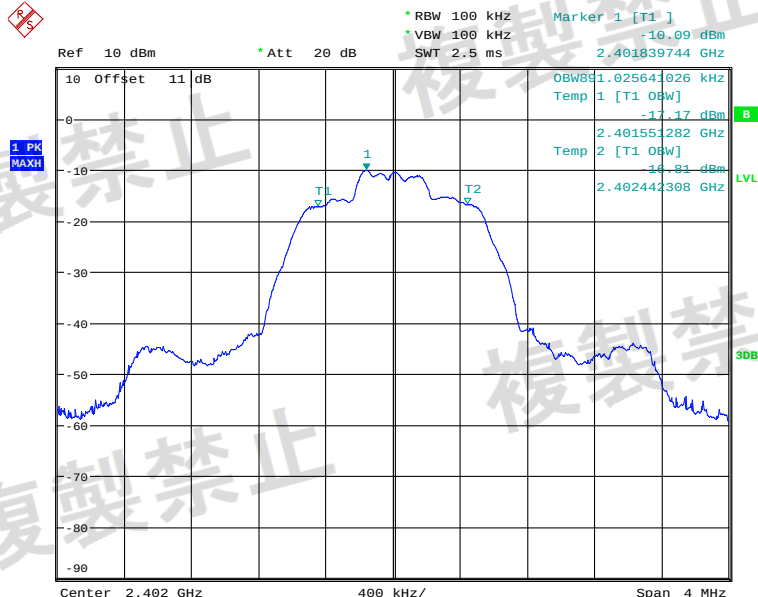
SPREADING BANDWIDTH NORMAL MODE 3.7V
Date: 3.FEB.2026 20:49:15



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Mode: $\pi / 4$ DQPSK

Single channel for 20 channels



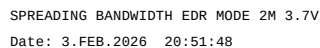
SPREADING BANDWIDTH 20 CHANNELS EDR MODE 2M 3.7V
Date: 3.FEB.2026 20:57:17

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

= 17.991026

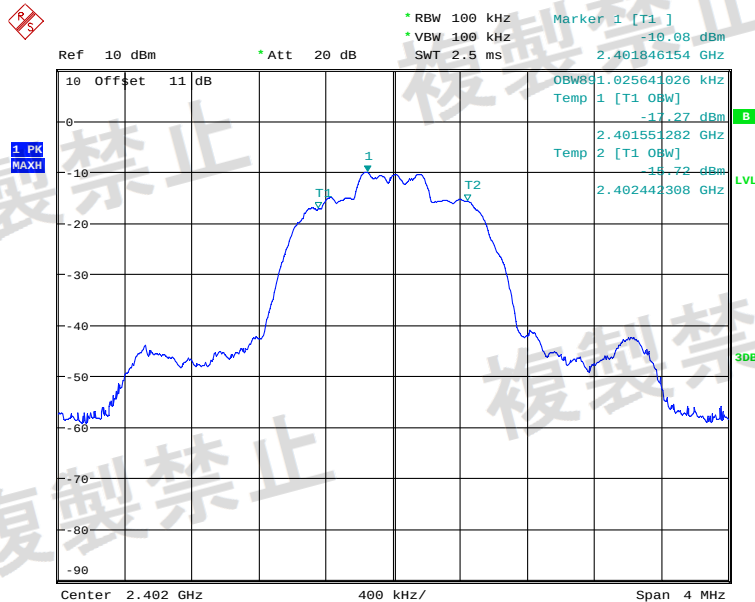
Note: n= minimum amount of channels





Mode: 8DPSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS EDR MODE 3M 3.7V
Date: 3.FEB.2026 20:55:41

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

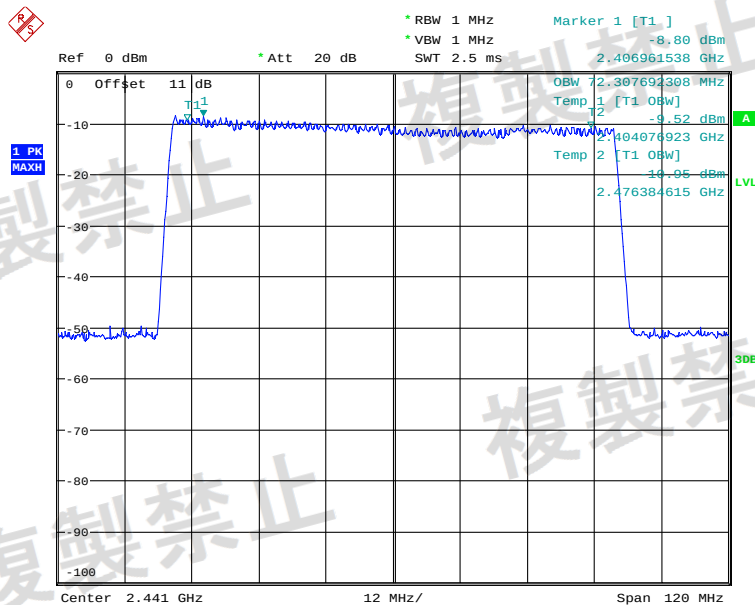
= 17.991026

Note: n= minimum amount of channels



Worldwide Testing Services(Taiwan) Co., Ltd.

79 channels



SPREADING BANDWIDTH EDR MODE 3M 3.7V
Date: 3.FEB.2026 20:53:31

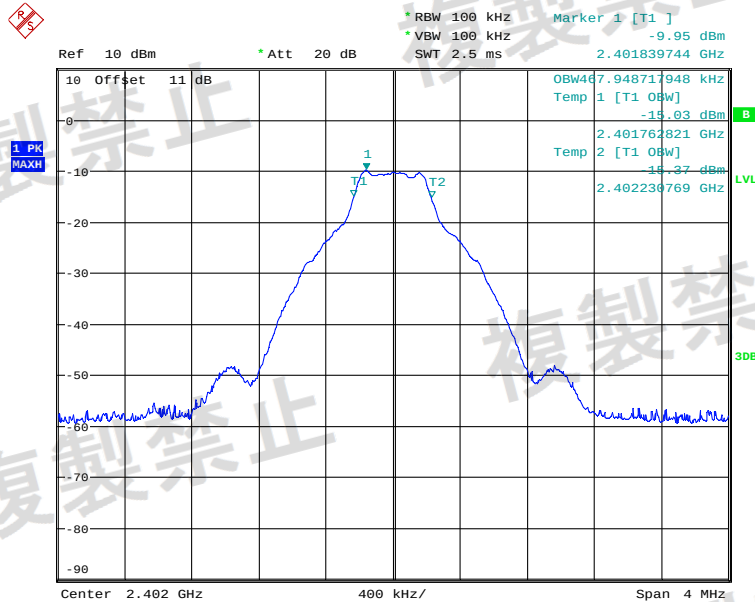


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3.4Vd.c.

Mode: GFSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS NORMAL MODE 3.4V
Date: 3.FEB.2026 21:00:00

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

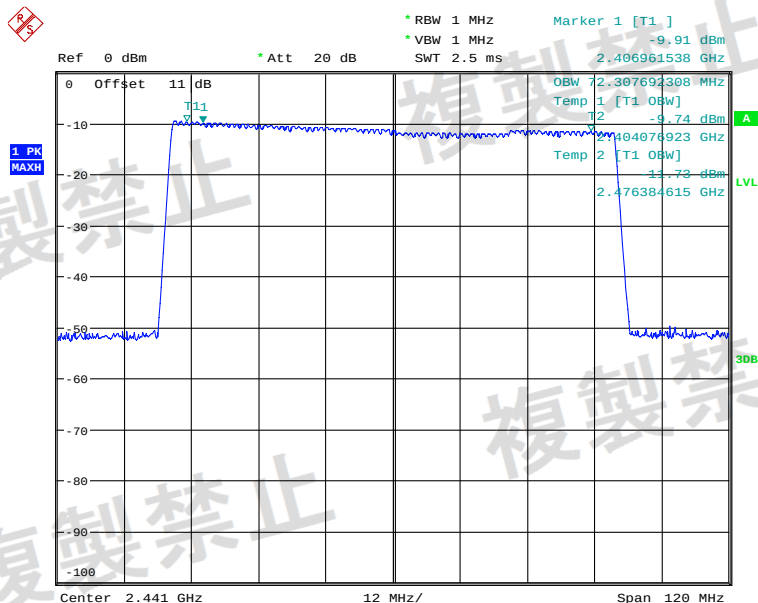
= 17.56795

Note: n= minimum amount of channels



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79 channels



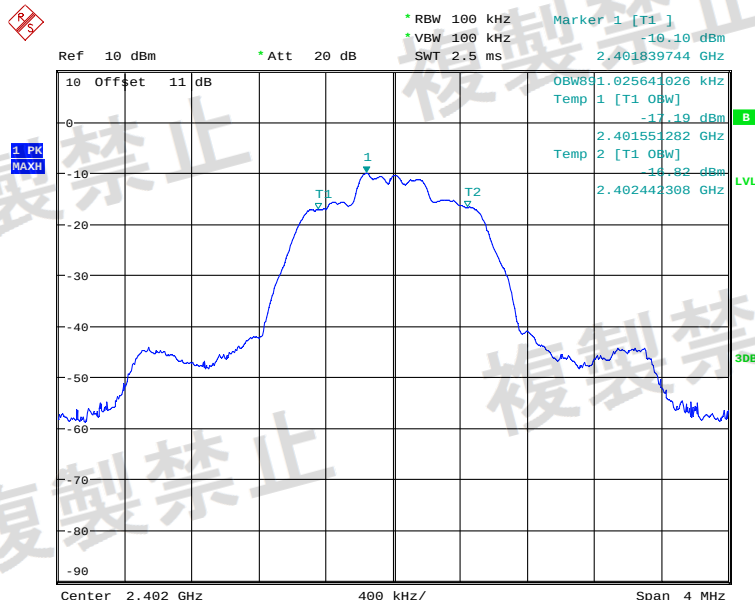
SPREADING BANDWIDTH NORMAL MODE 3.4V
Date: 3.FEB.2026 21:09:48



Worldwide Testing Services(Taiwan) Co., Ltd.

Mode: $\pi / 4$ DQPSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS EDR MODE 2M 3.4V
Date: 3.FEB.2026 21:01:56

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

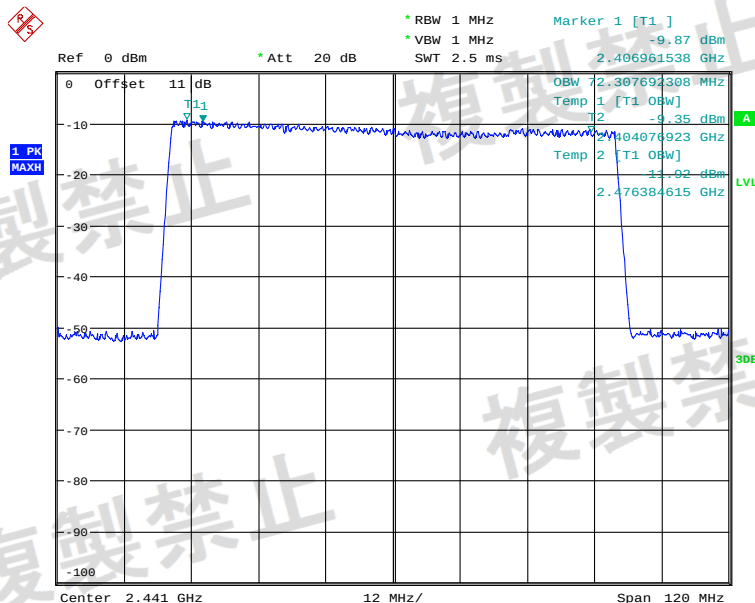
= 17.99103

Note: n= minimum amount of channels



Worldwide Testing Services(Taiwan) Co., Ltd.

79 channels



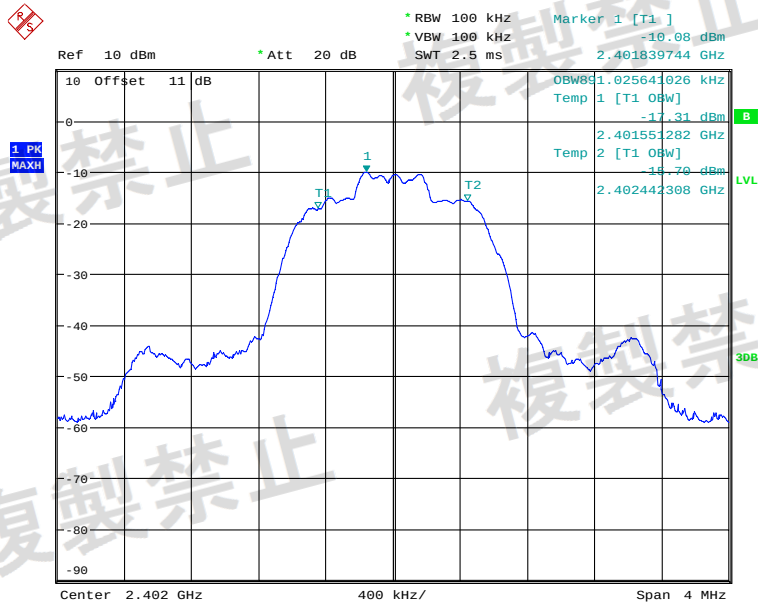
SPREADING BANDWIDTH EDR MODE 2M 3.4V
Date: 3.FEB.2026 21:07:55



Worldwide Testing Services(Taiwan) Co., Ltd.

Mode: 8DPSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS EDR MODE 3M 3.4V
Date: 3.FEB.2026 21:03:16

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

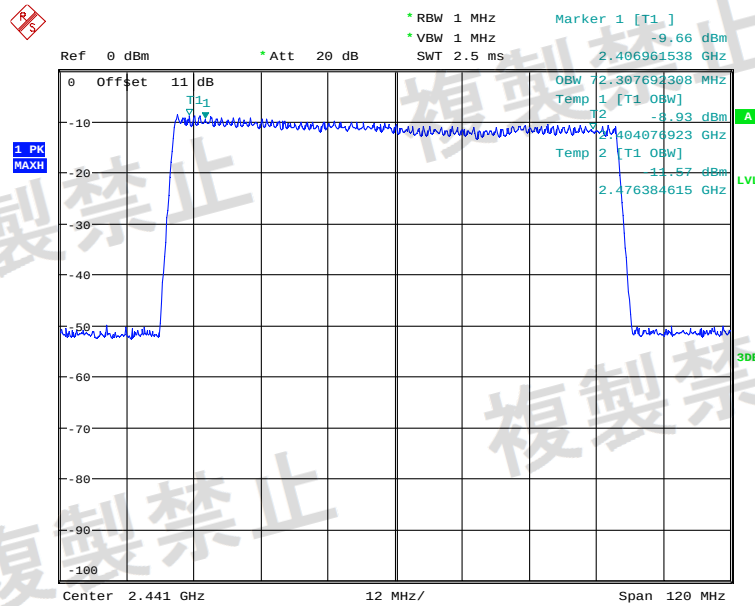
= 17.99103

Note: n= minimum amount of channels



Worldwide Testing Services(Taiwan) Co., Ltd.

79 channels



SPREADING BANDWIDTH EDR MODE 3M 3.4V
Date: 3.FEB.2026 21:06:35

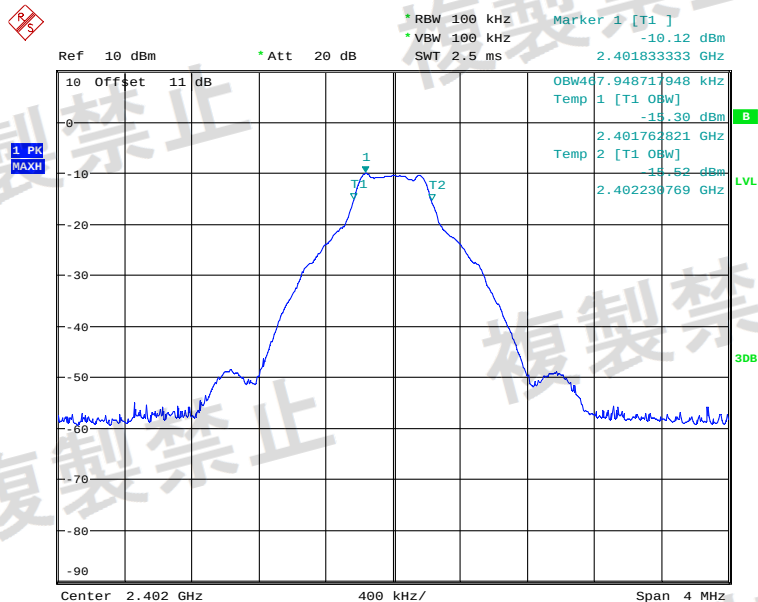


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4.07Vd.c.

Mode: GFSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS NORMAL MODE 4.07V
Date: 3.FEB.2026 20:41:01

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

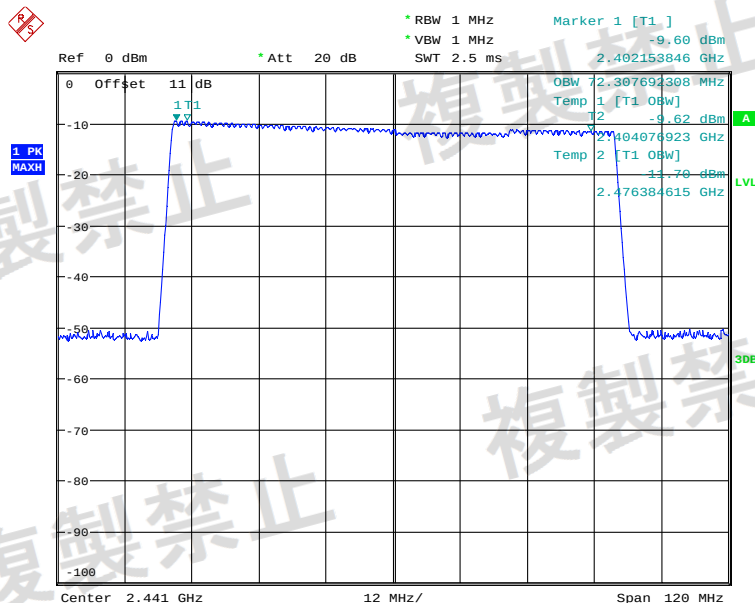
= 17.56795

Note: n= minimum amount of channels



Worldwide Testing Services(Taiwan) Co., Ltd.

79 channels



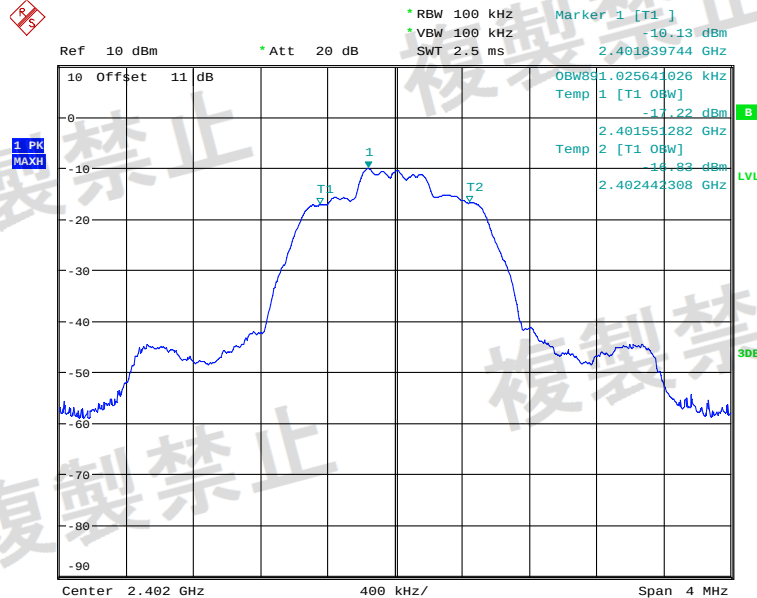
SPREADING BANDWIDTH NORMAL MODE 4.07V
Date: 3.FEB.2026 20:46:40



Worldwide Testing Services(Taiwan) Co., Ltd.

Mode: $\pi / 4$ DQPSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS EDR MODE 2M 4.07V
Date: 3.FEB.2026 20:39:22

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

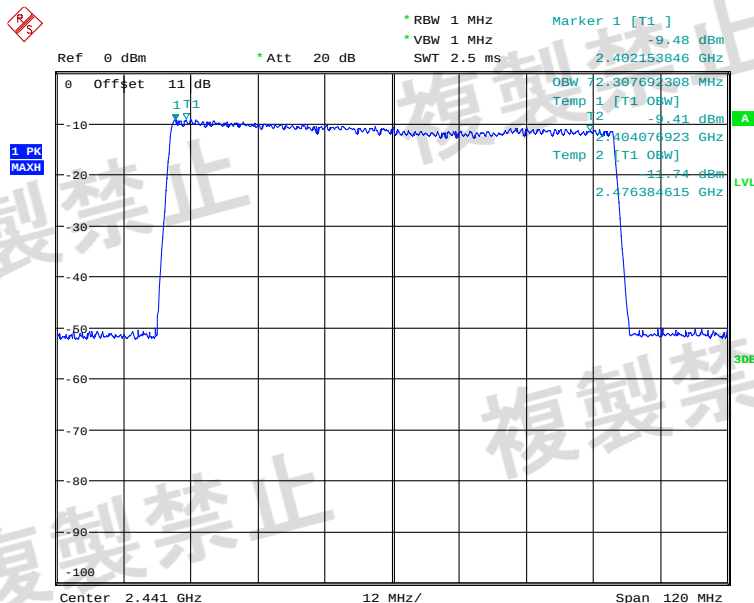
= 17.99103

Note: n= minimum amount of channels



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79 channels



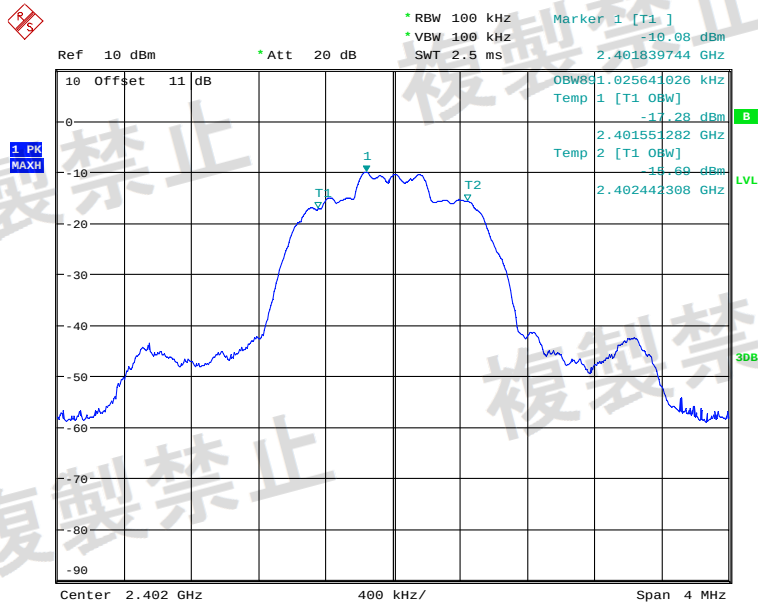
SPREADING BANDWIDTH EDR MODE 2M 4.07V

Date: 3.FEB.2026 20:45:27



Mode: 8DPSK

Single channel for 20 channels



SPREADING BANDWIDTH 20 CHANNELS EDR MODE 3M 4.07V
Date: 3.FEB.2026 20:37:28

Minimal Spreading Bandwidth

= Smallest Spreading Bandwidth of a single channel + $0.9 * [(n-1) * \text{channel separation}]$

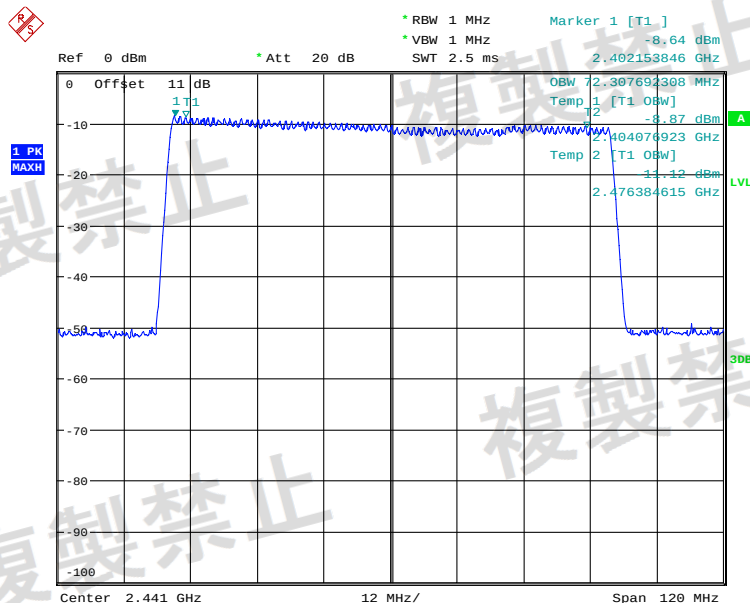
= 17.99103

Note: n= minimum amount of channels



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79 channels

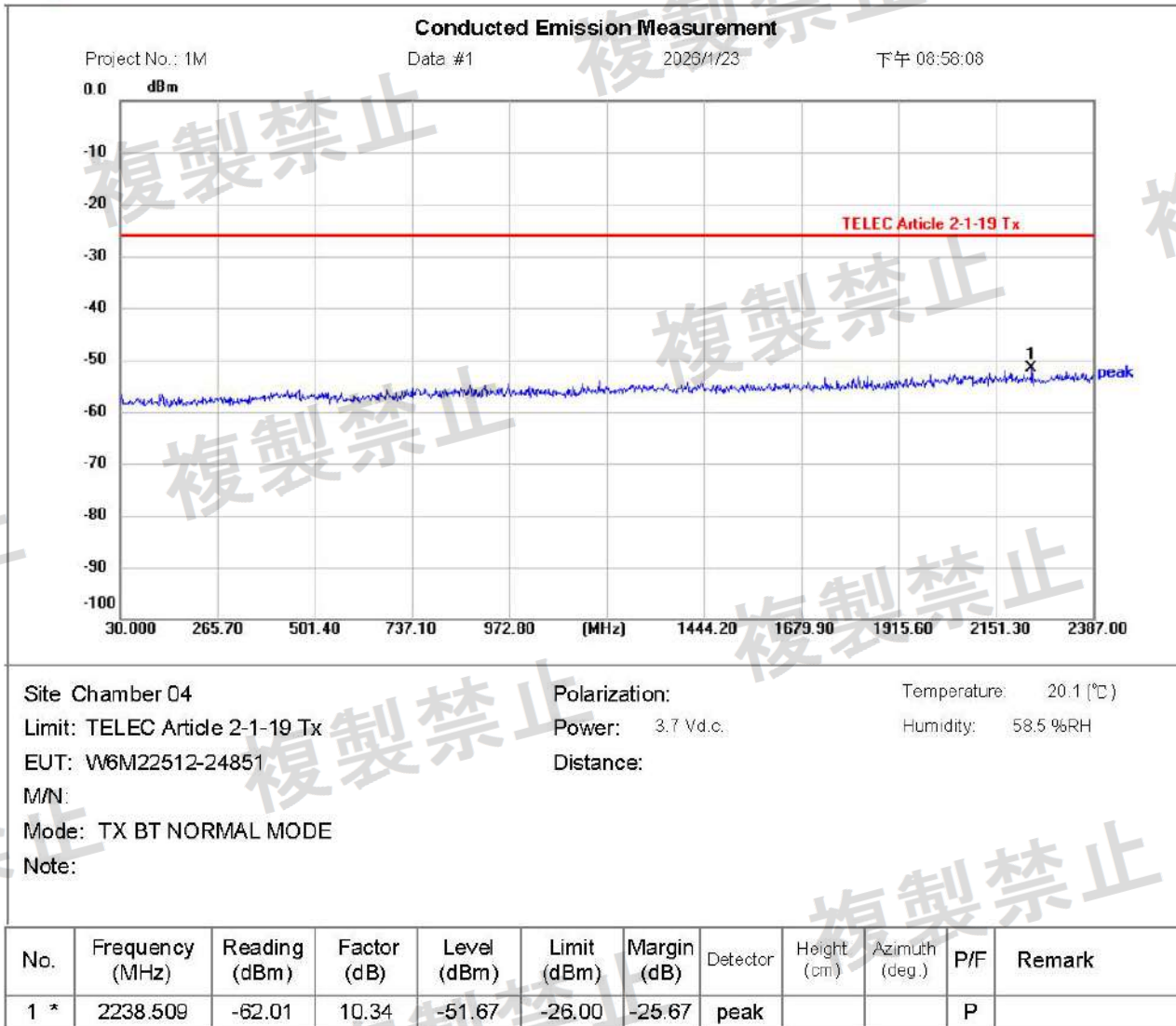


SPREADING BANDWIDTH EDR MODE 3M 4.07V
Date: 3.FEB.2026 20:34:36



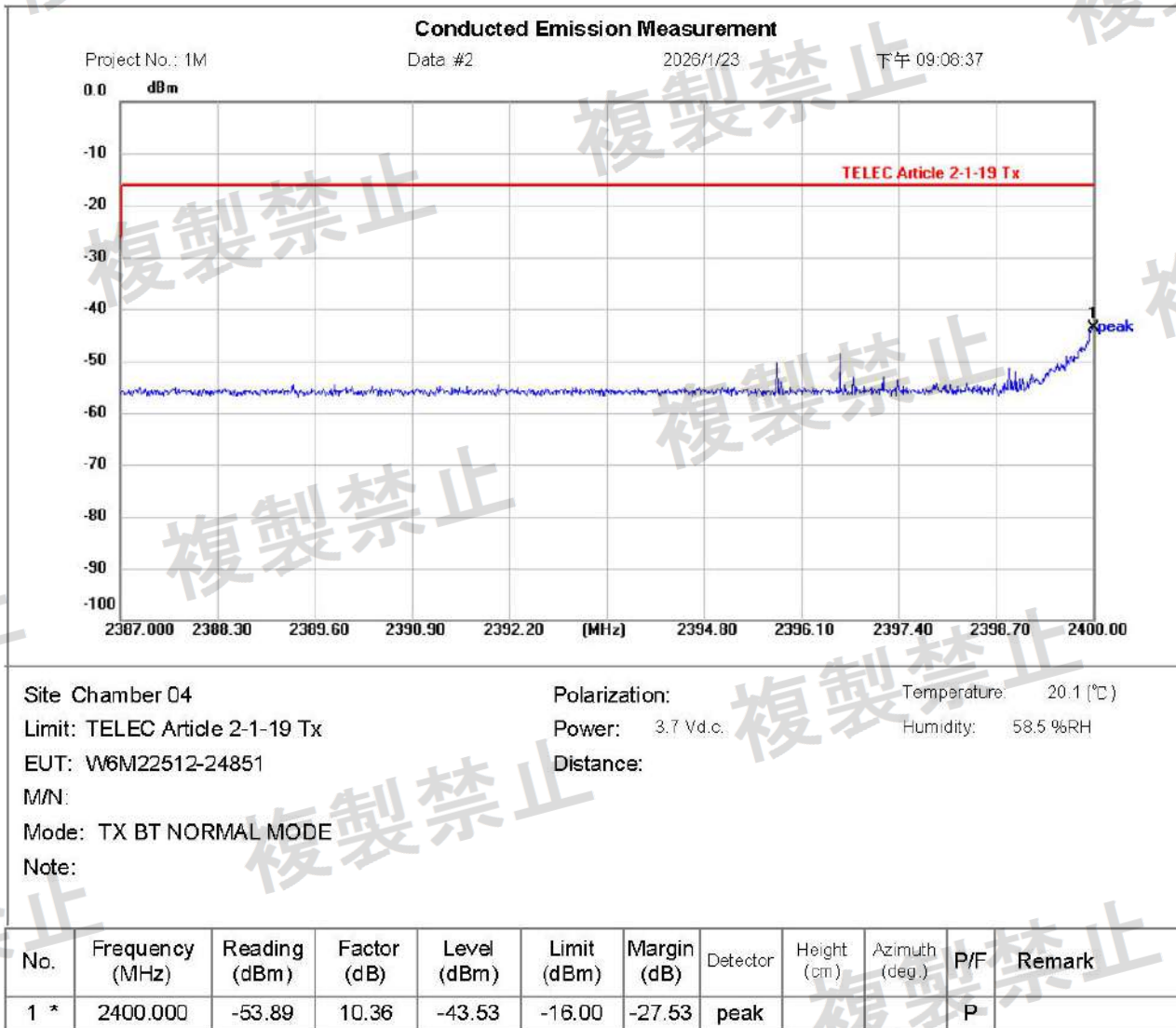
Worldwide Testing Services(Taiwan) Co., Ltd.

3.5 Spurious emissions (conducted)_ transmitter



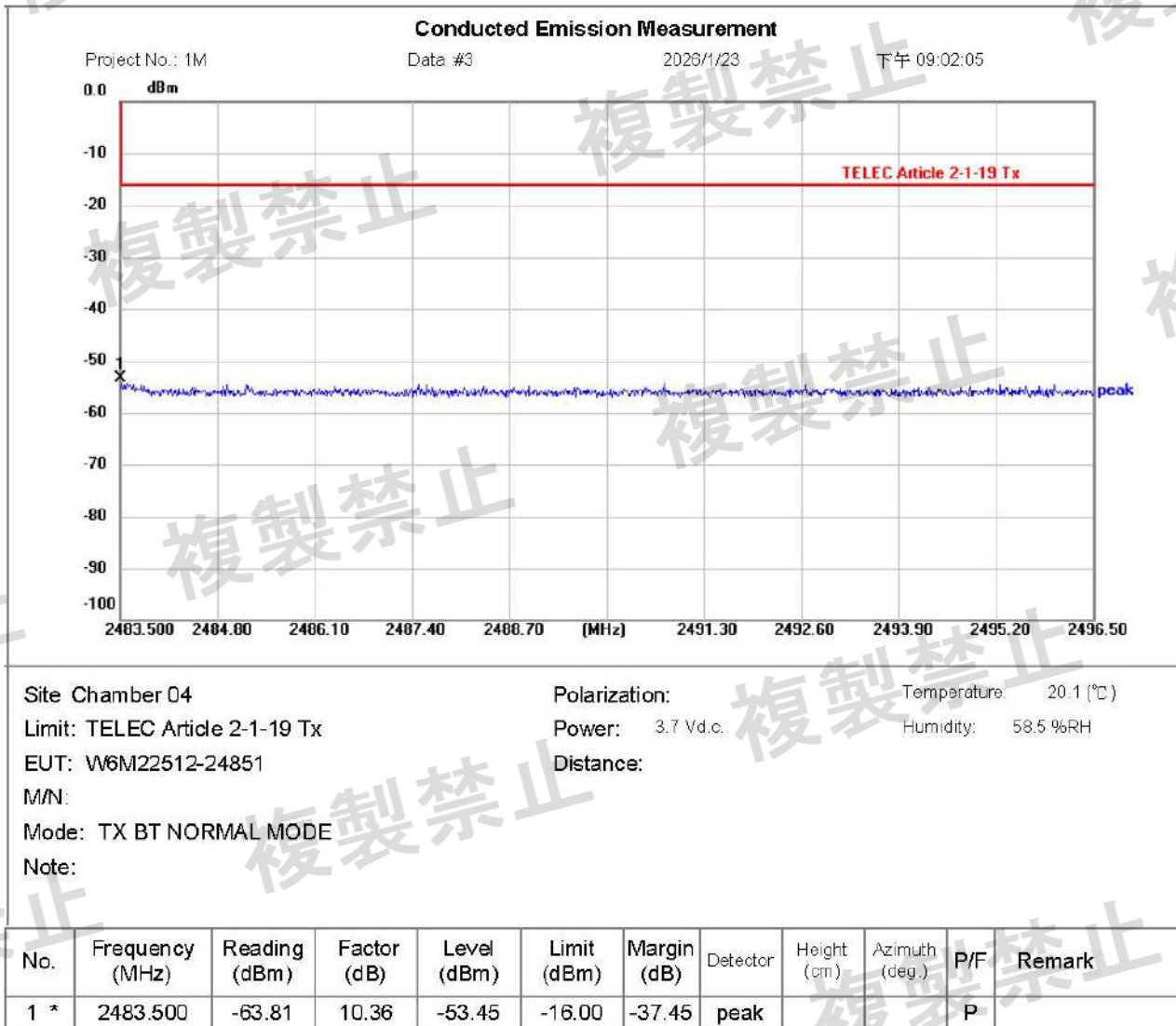


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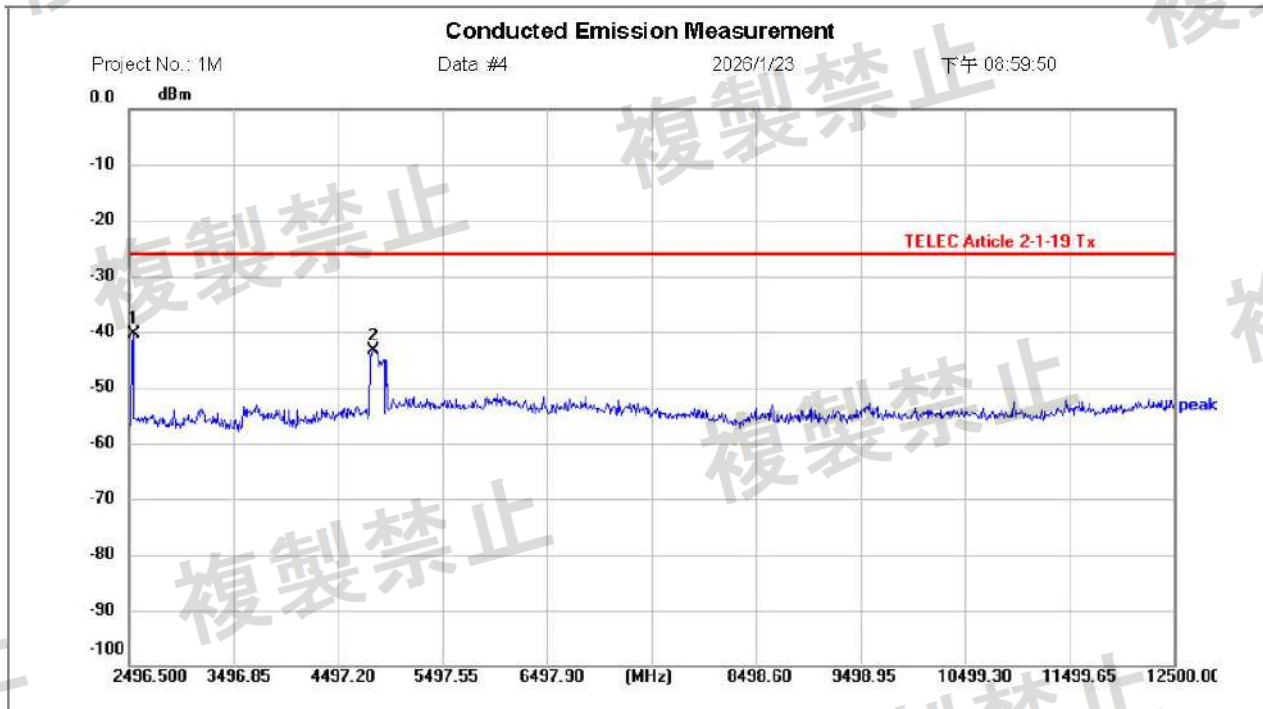


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Site Chamber 04

Limit: TELEC Article 2-1-19 Tx

EUT: W6M22512-24851

M/N:

Mode: TX BT NORMAL MODE

Note:

Polarization:

Power: 3.7 Vd.c.

Distance:

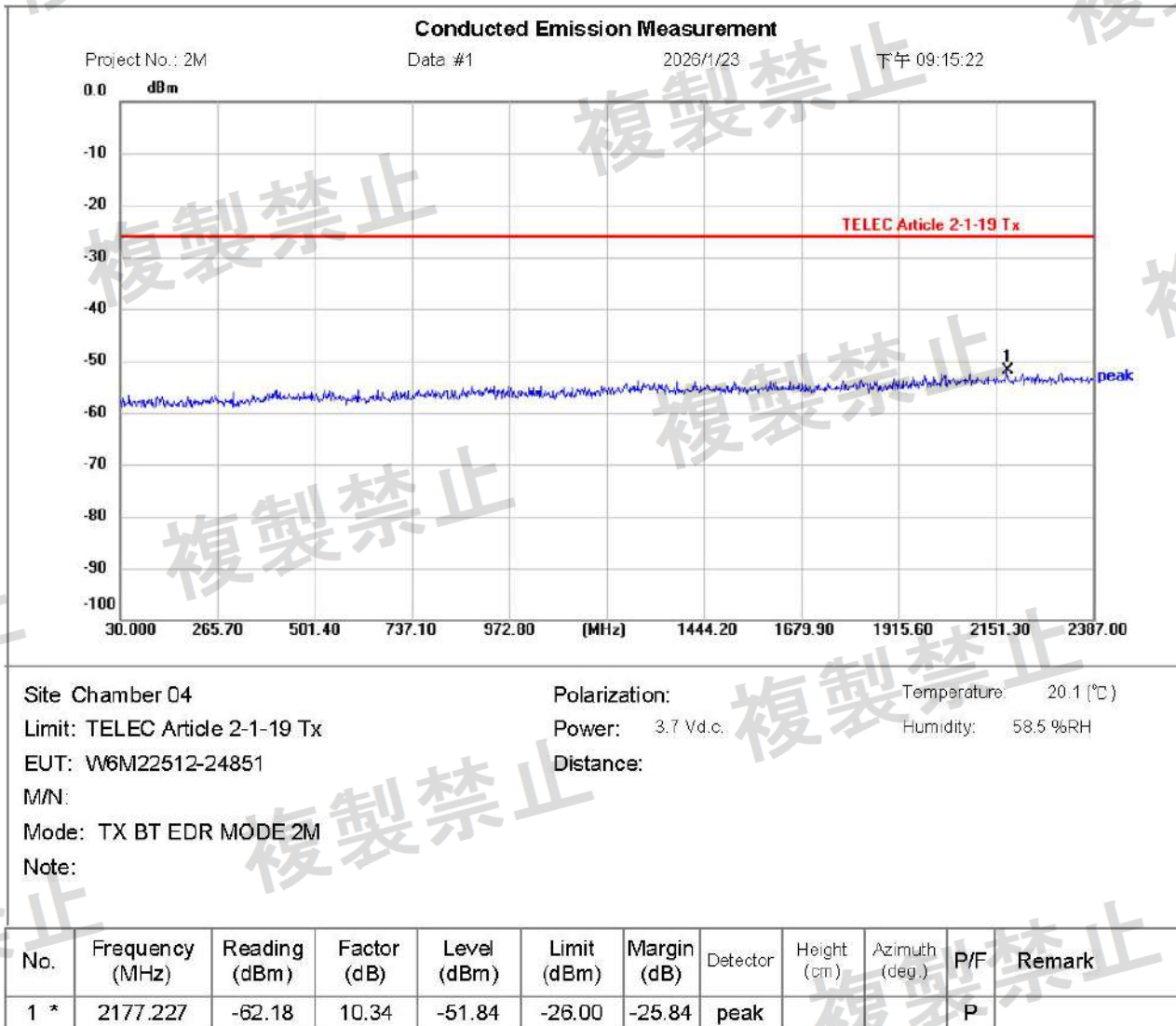
Temperature: 20.1 (°C)

Humidity: 58.5 %RH

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2536.514	-50.74	10.36	-40.38	-26.00	-14.38	peak			P	
2	4837.319	-54.05	10.59	-43.46	-26.00	-17.46	peak			P	

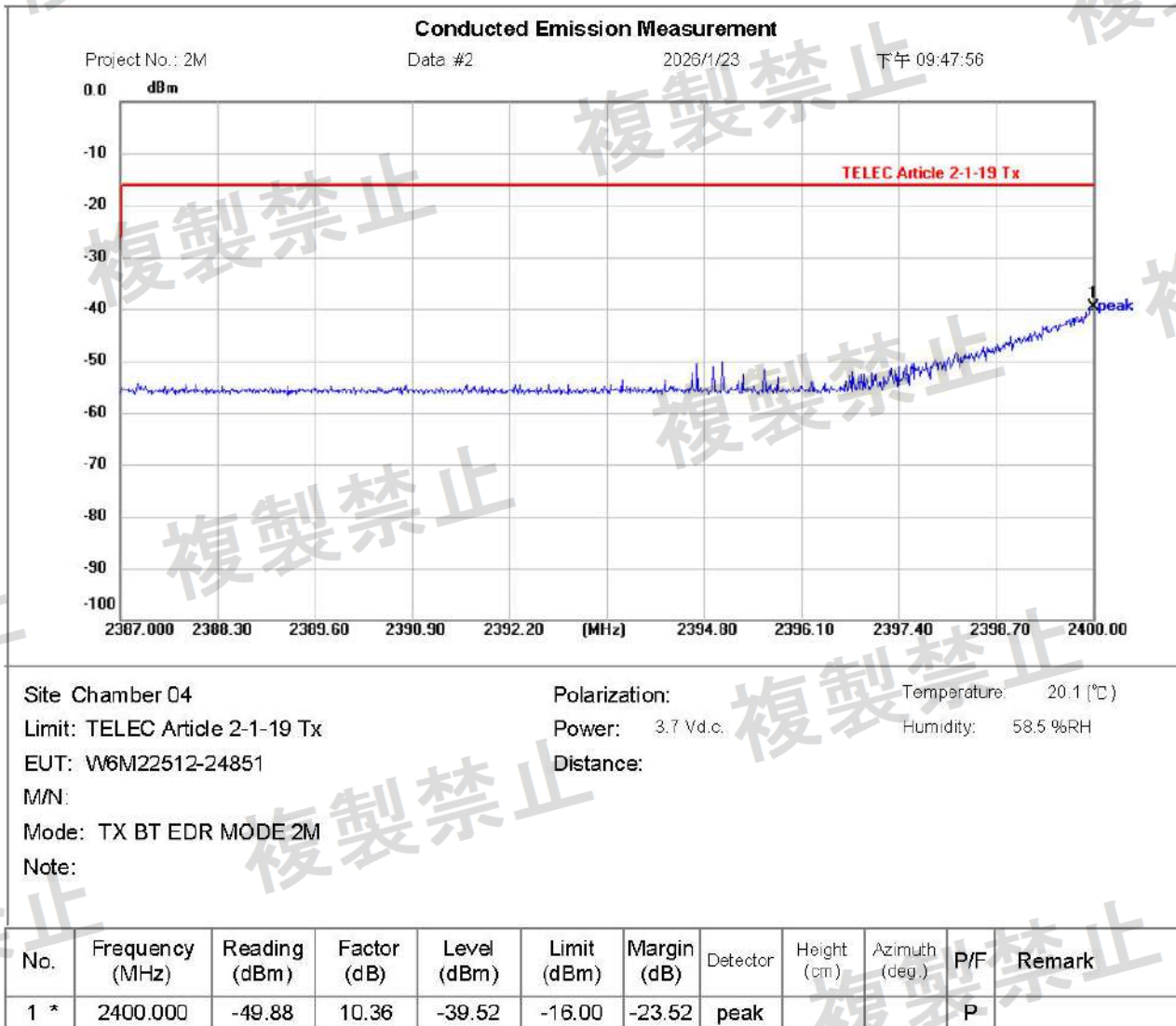


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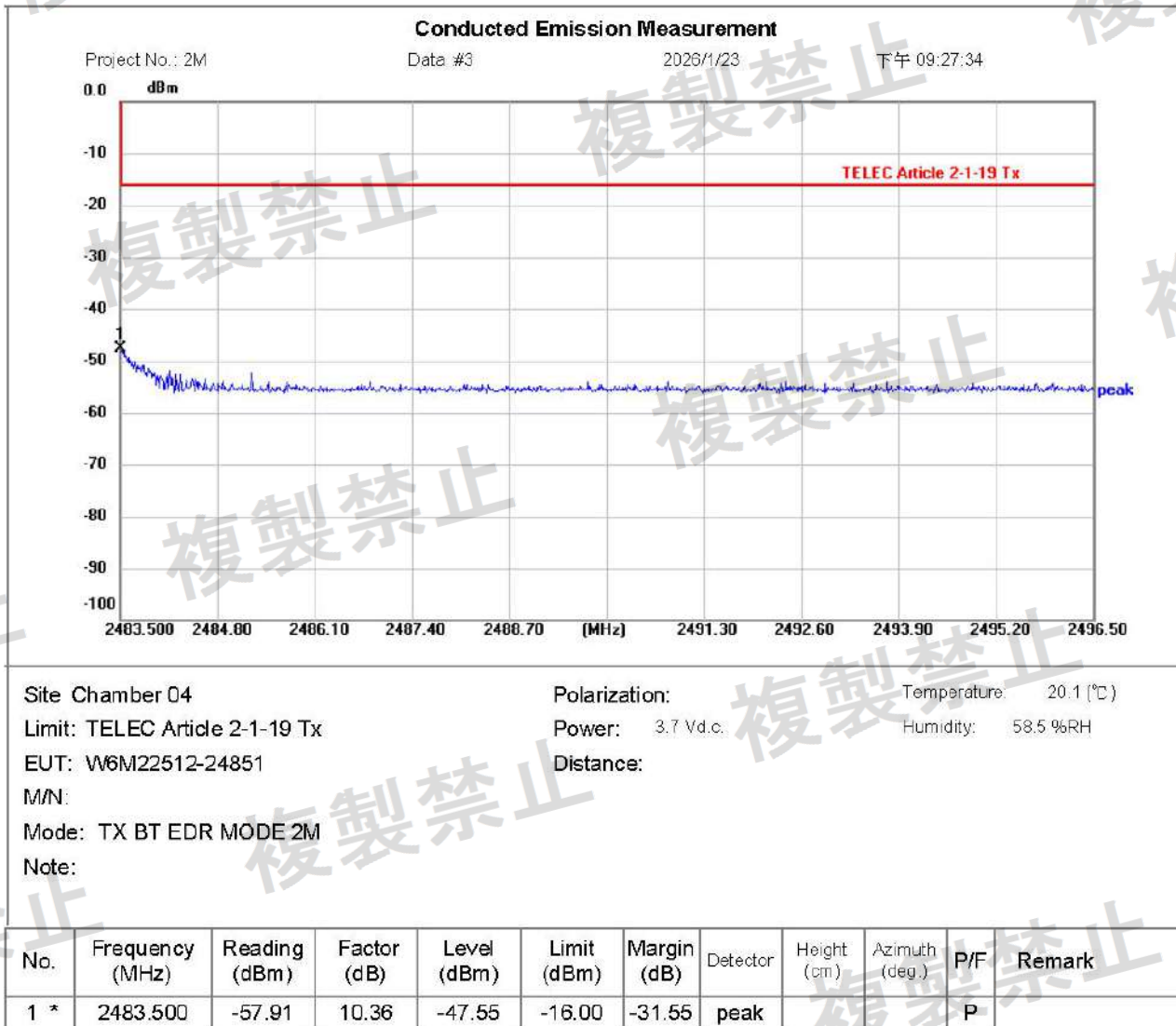


Worldwide Testing Services(Taiwan) Co., Ltd.



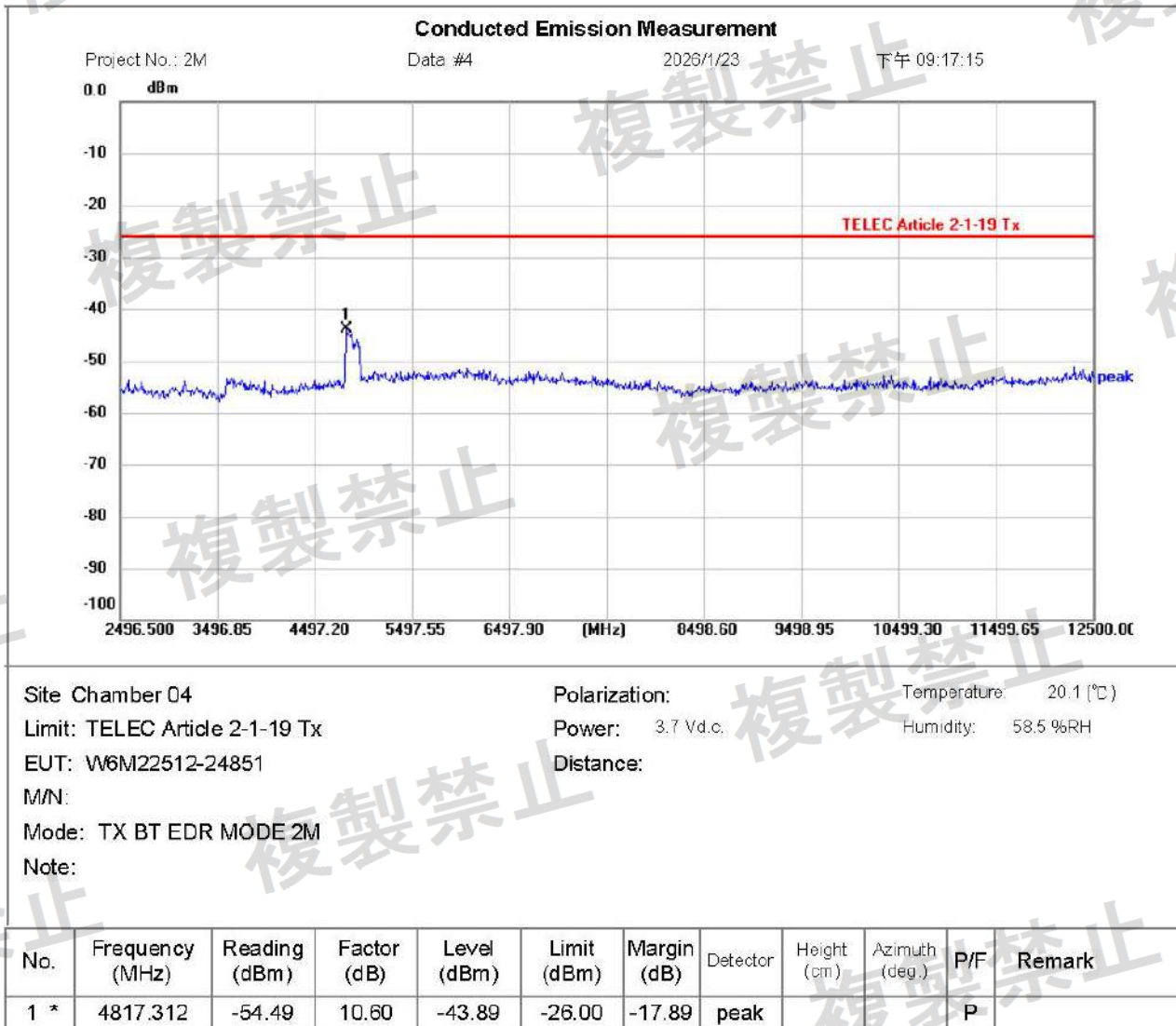


Worldwide Testing Services(Taiwan) Co., Ltd.



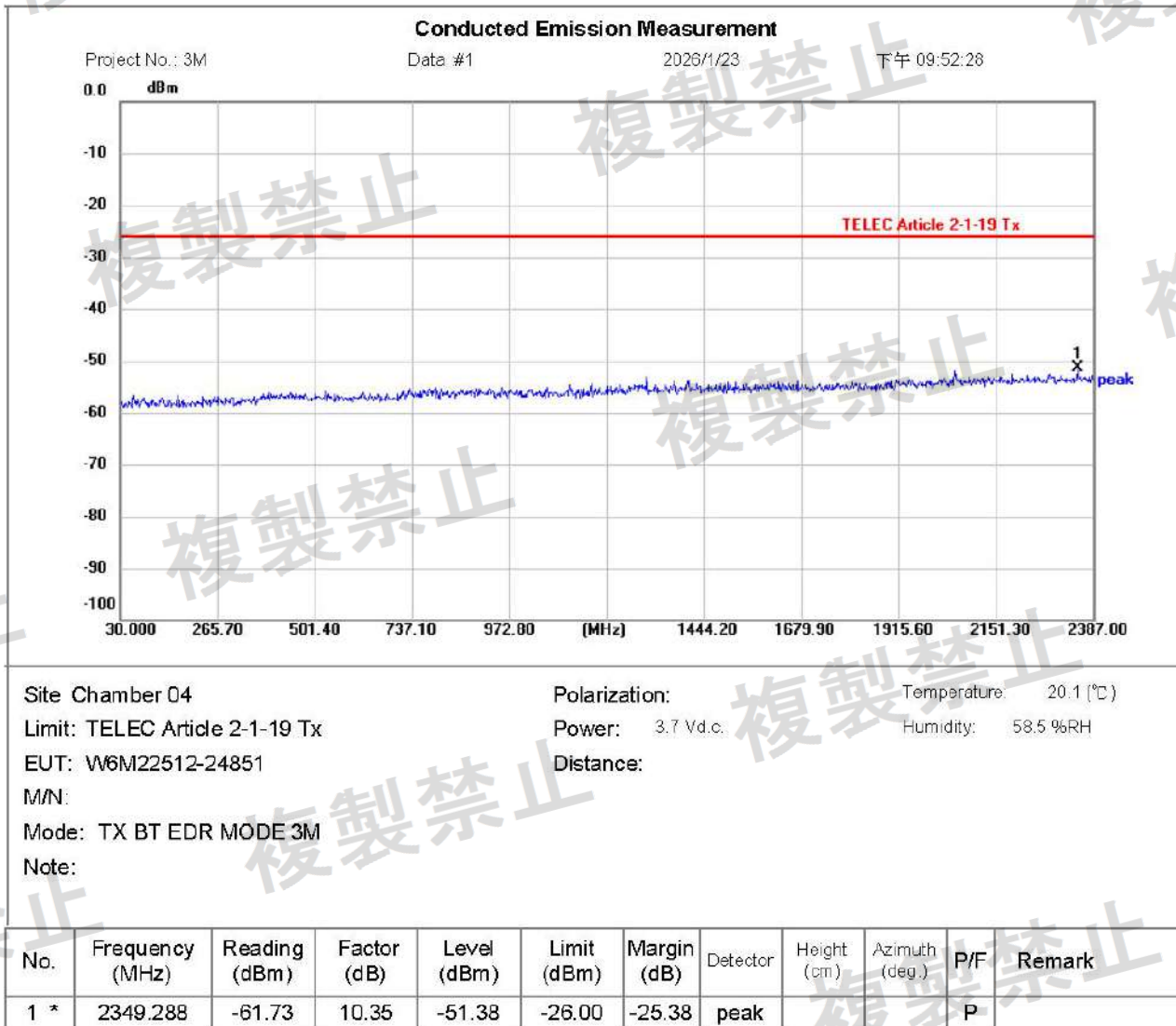


Worldwide Testing Services(Taiwan) Co., Ltd.



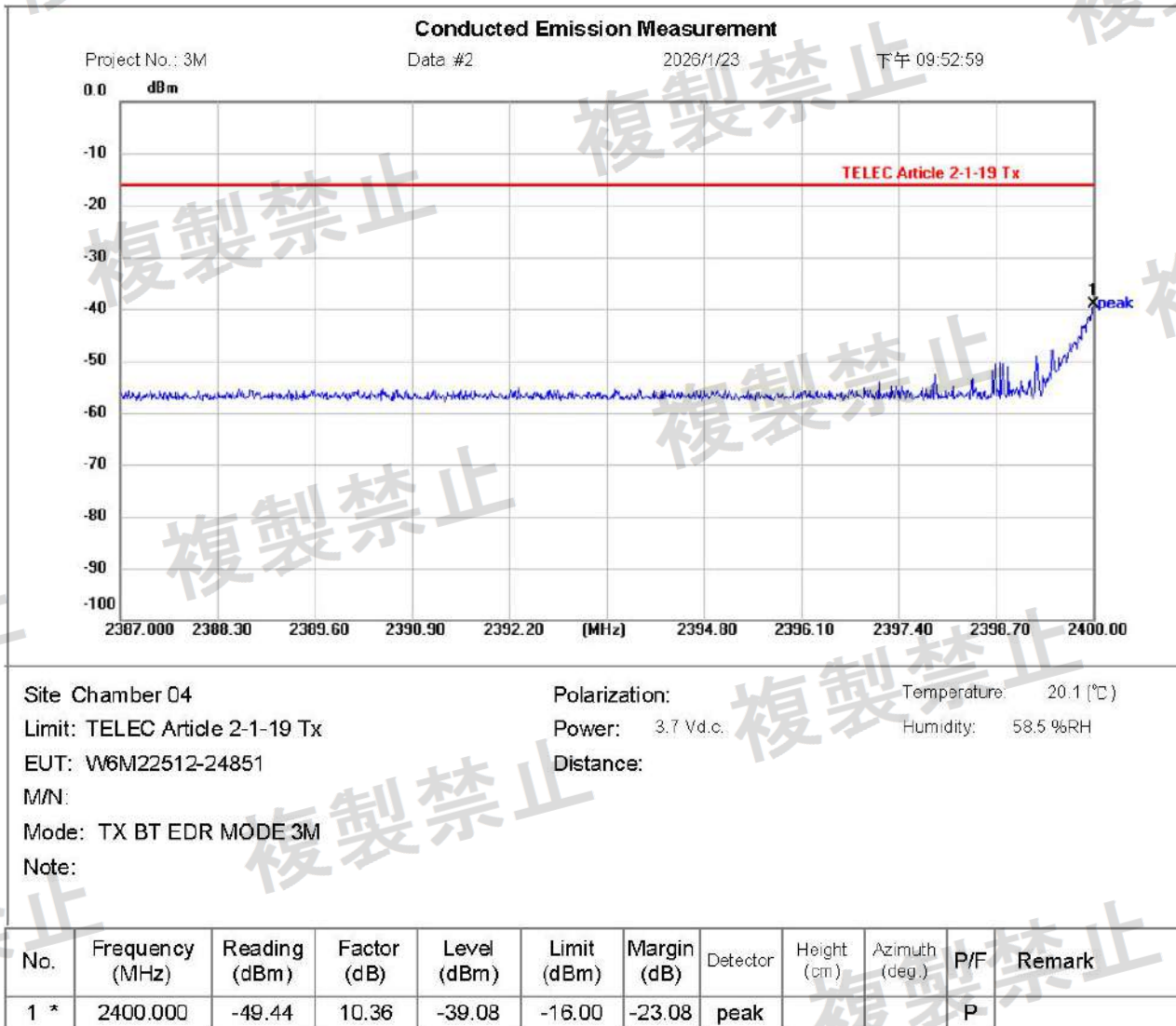


Worldwide Testing Services(Taiwan) Co., Ltd.



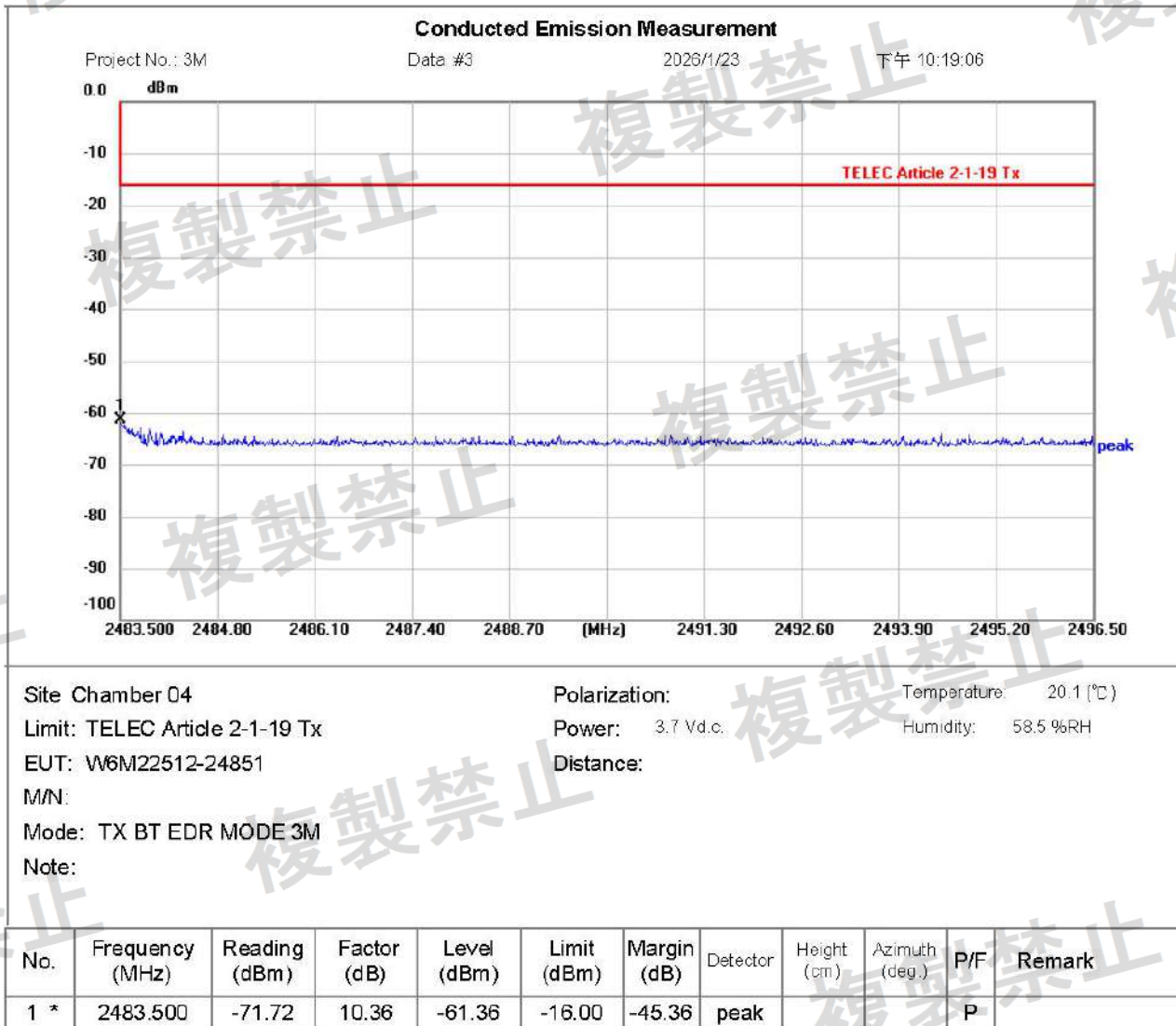


Worldwide Testing Services(Taiwan) Co., Ltd.



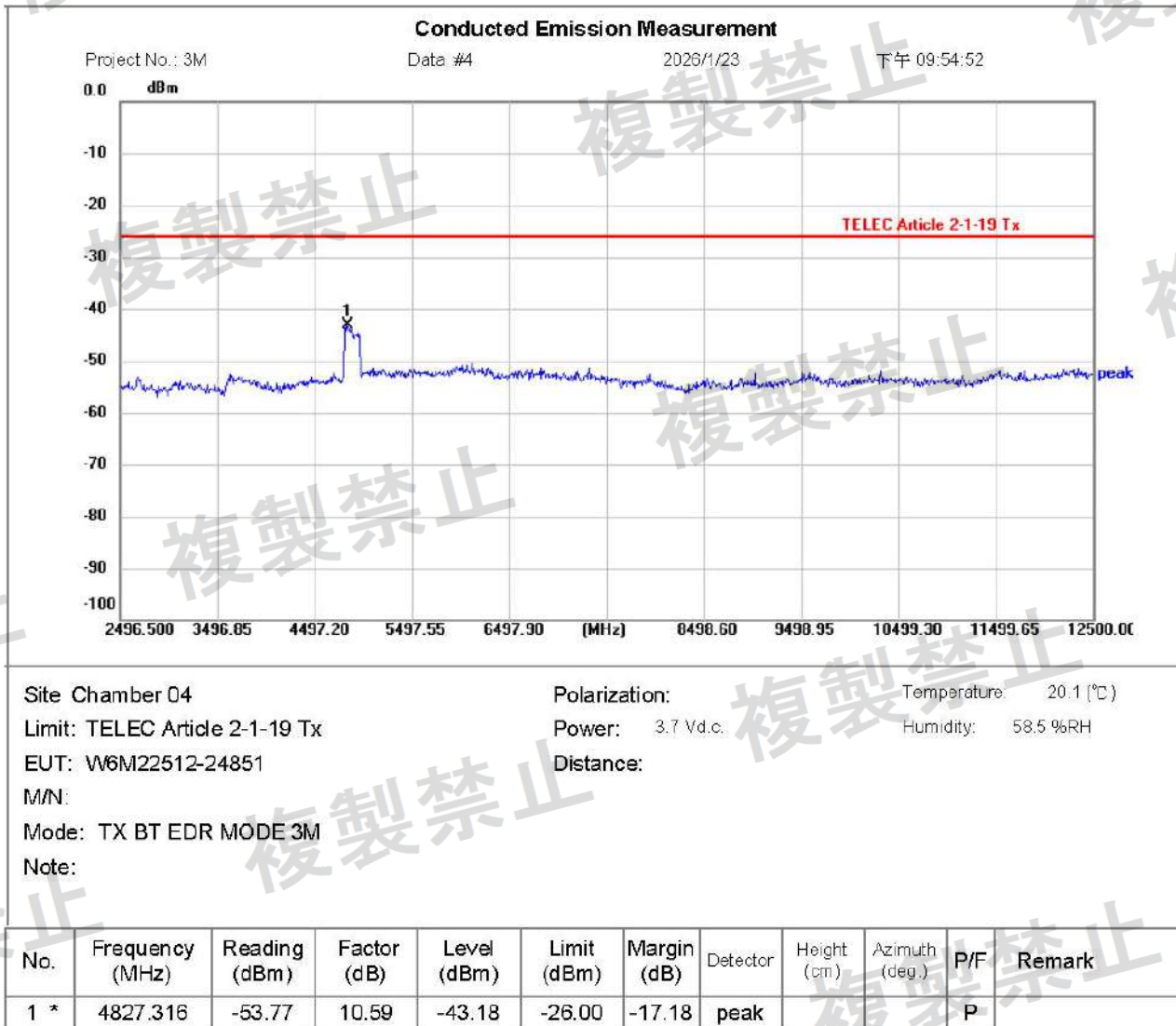


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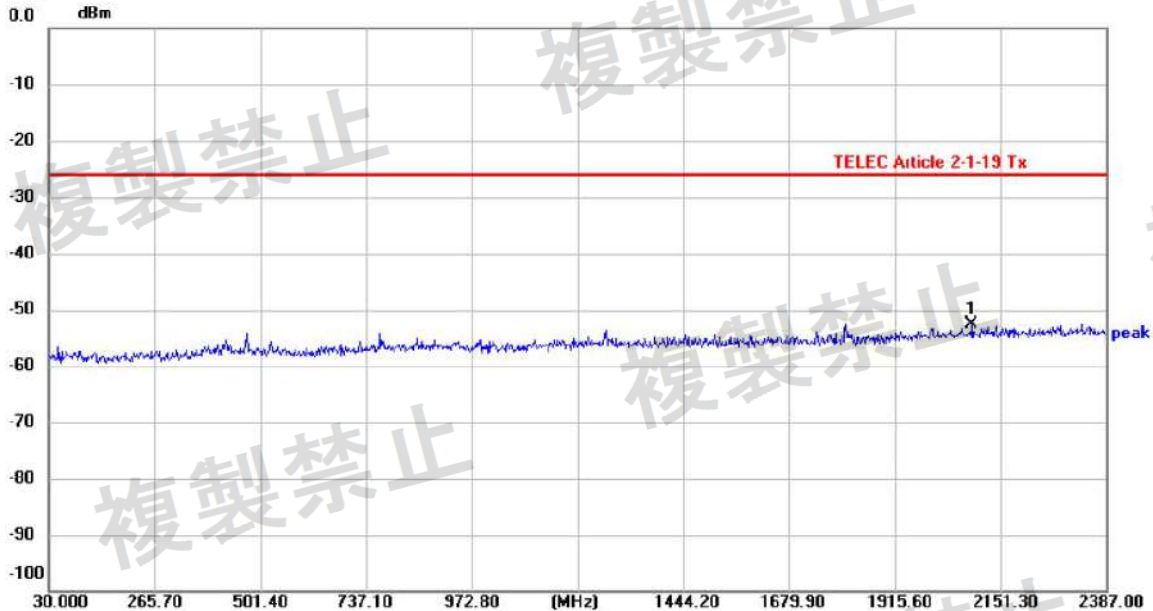
Conducted Emission Measurement

Project No.: 1M

Data :#1

2026/1/28

下午 05:27:14



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

MN:

Mode: TX BT NORMAL MODE

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2087.661	-62.92	10.32	-52.60	-26.00	-26.60	peak			P	



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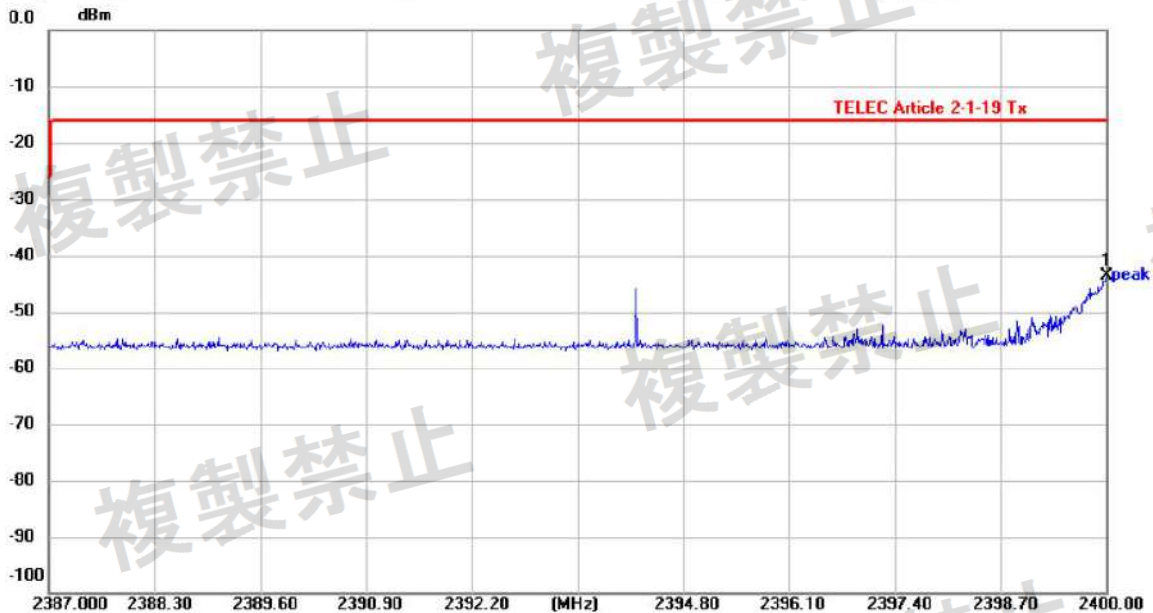
Conducted Emission Measurement

Project No.: 1M

Data: #2

2026/1/28

下午 05:47:26



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

MN:

Mode: TX BT NORMAL MODE

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2400.000	-54.04	10.36	-43.68	-16.00	-27.68	peak			P	



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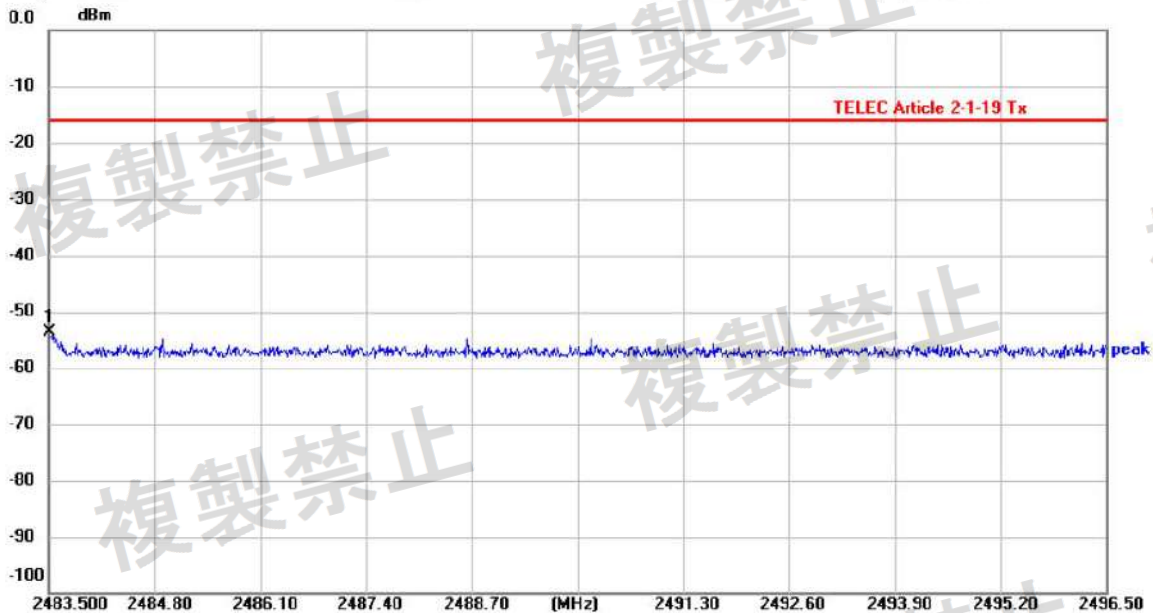
Conducted Emission Measurement

Project No.: 1M

Data :#3

2026/1/28

下午 05:28:02



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

MN:

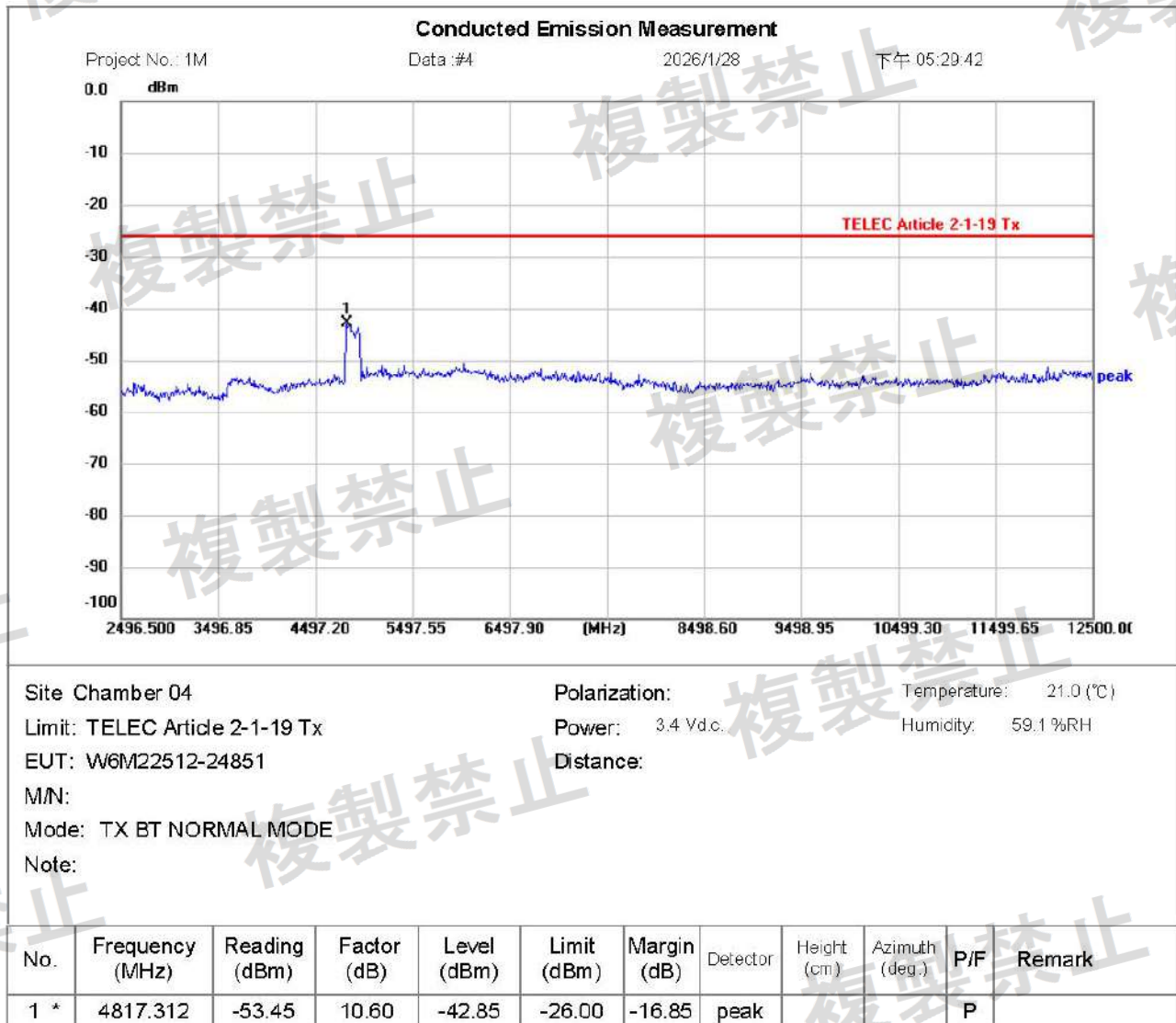
Mode: TX BT NORMAL MODE

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2483.500	-64.01	10.36	-53.65	-16.00	-37.65	peak			P	



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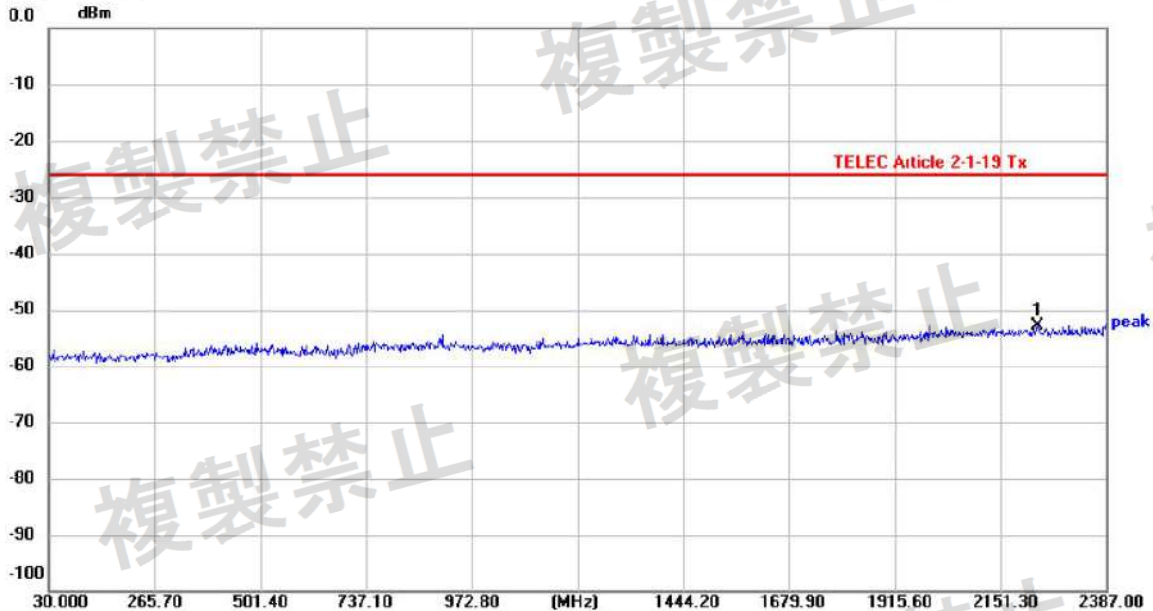
Conducted Emission Measurement

Project No.: 2M_

Data :#1

2026/1/28

下午 05:51:43



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

MN:

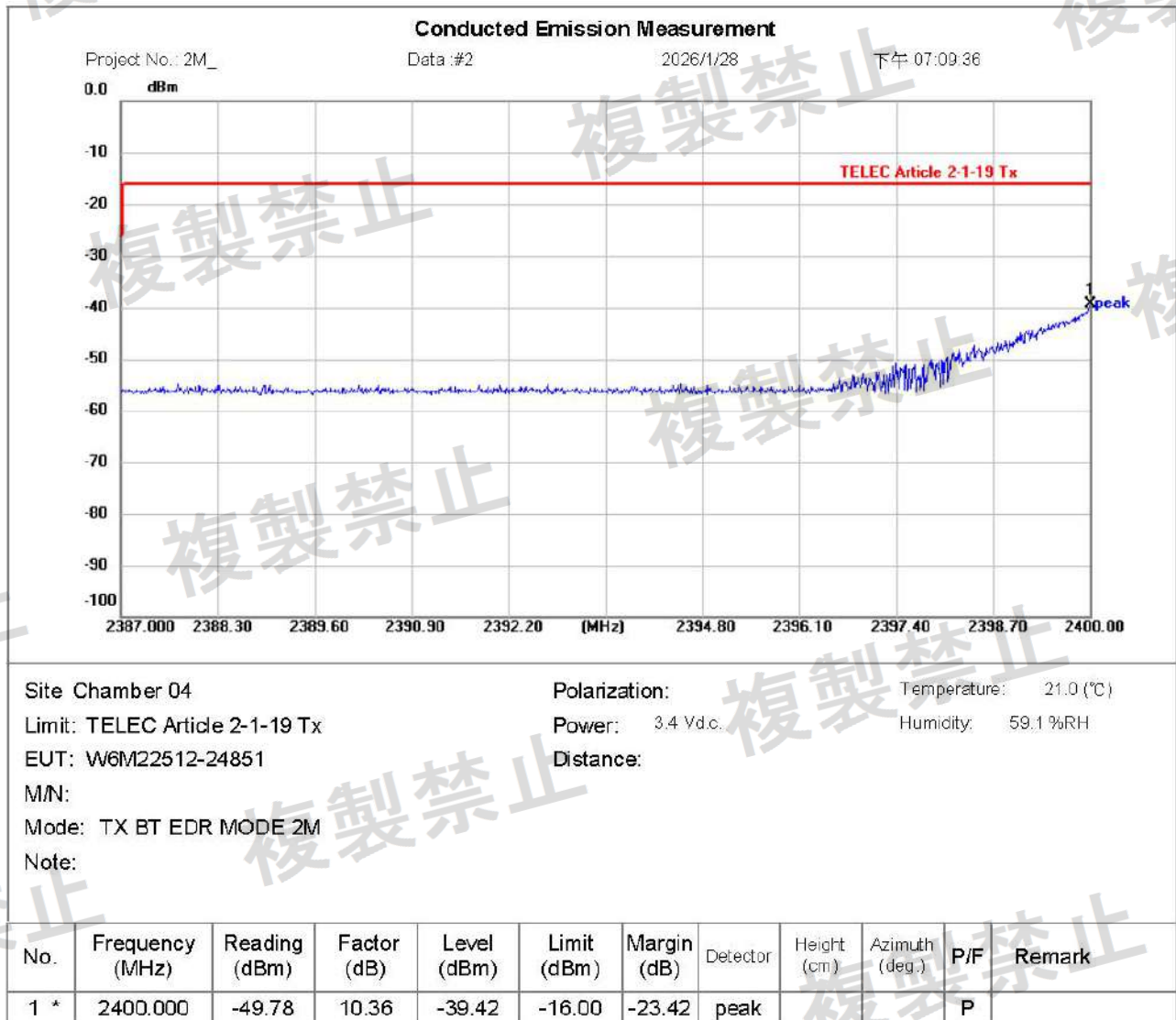
Mode: TX BT EDR MODE 2M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2233.795	-63.17	10.34	-52.83	-26.00	-26.83	peak			P	



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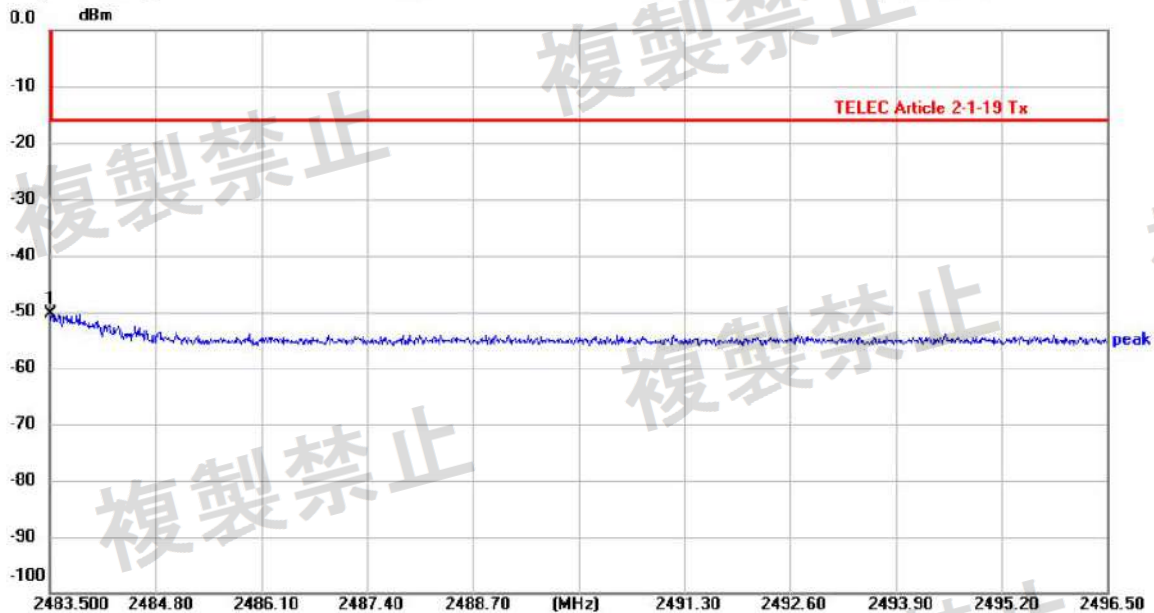
Conducted Emission Measurement

Project No.: 2M_

Data :#3

2026/1/28

下午 07:01:34



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

MN:

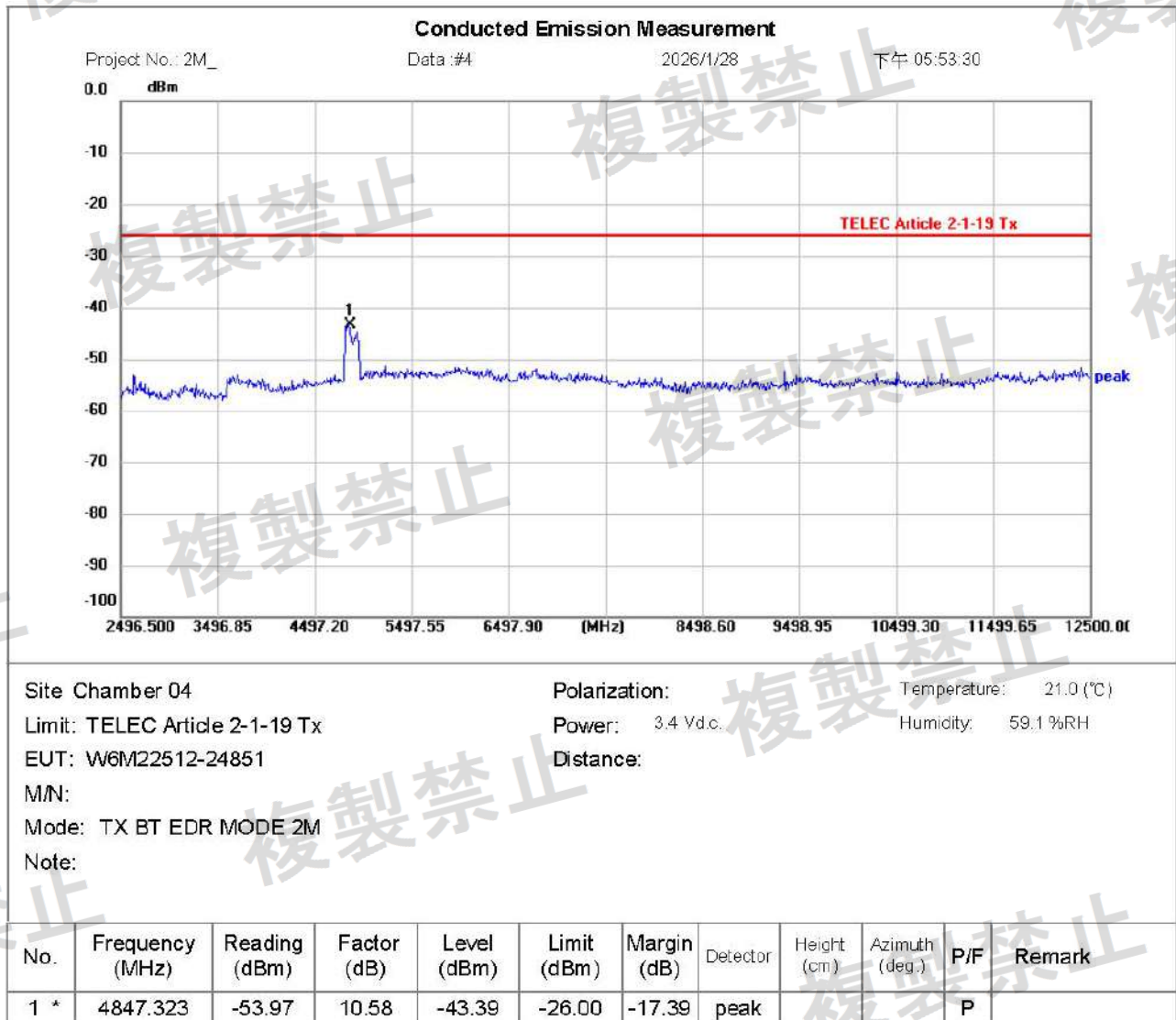
Mode: TX BT EDR MODE 2M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2483.500	-60.68	10.36	-50.32	-16.00	-34.32	peak			P	



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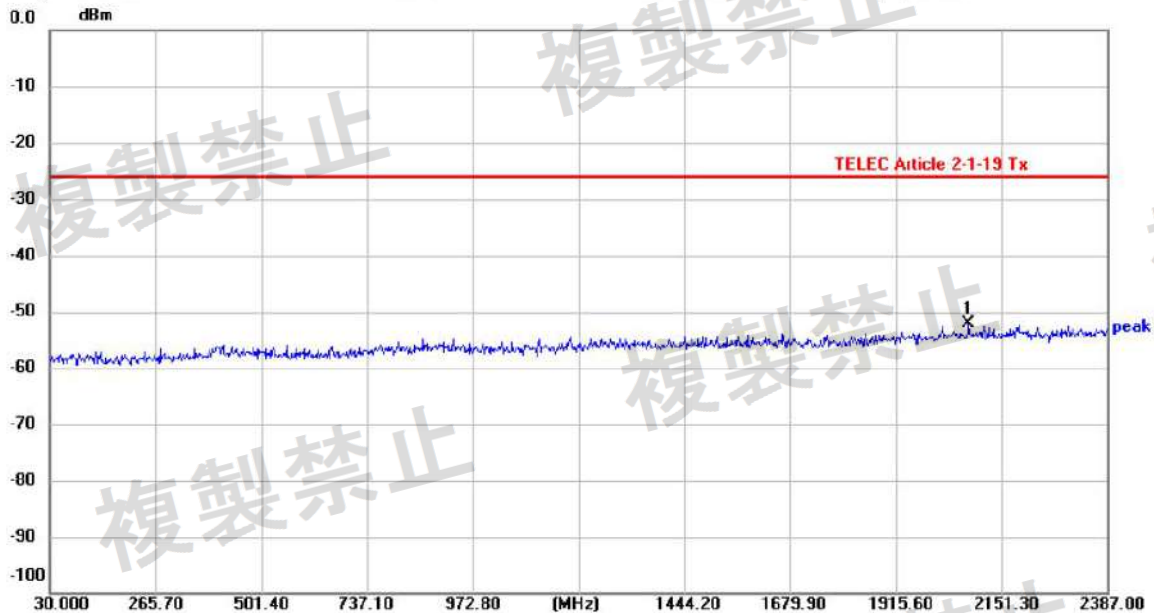
Conducted Emission Measurement

Project No.: 3M

Data: #1

2026/1/28

下午 07:18:09



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

MN:

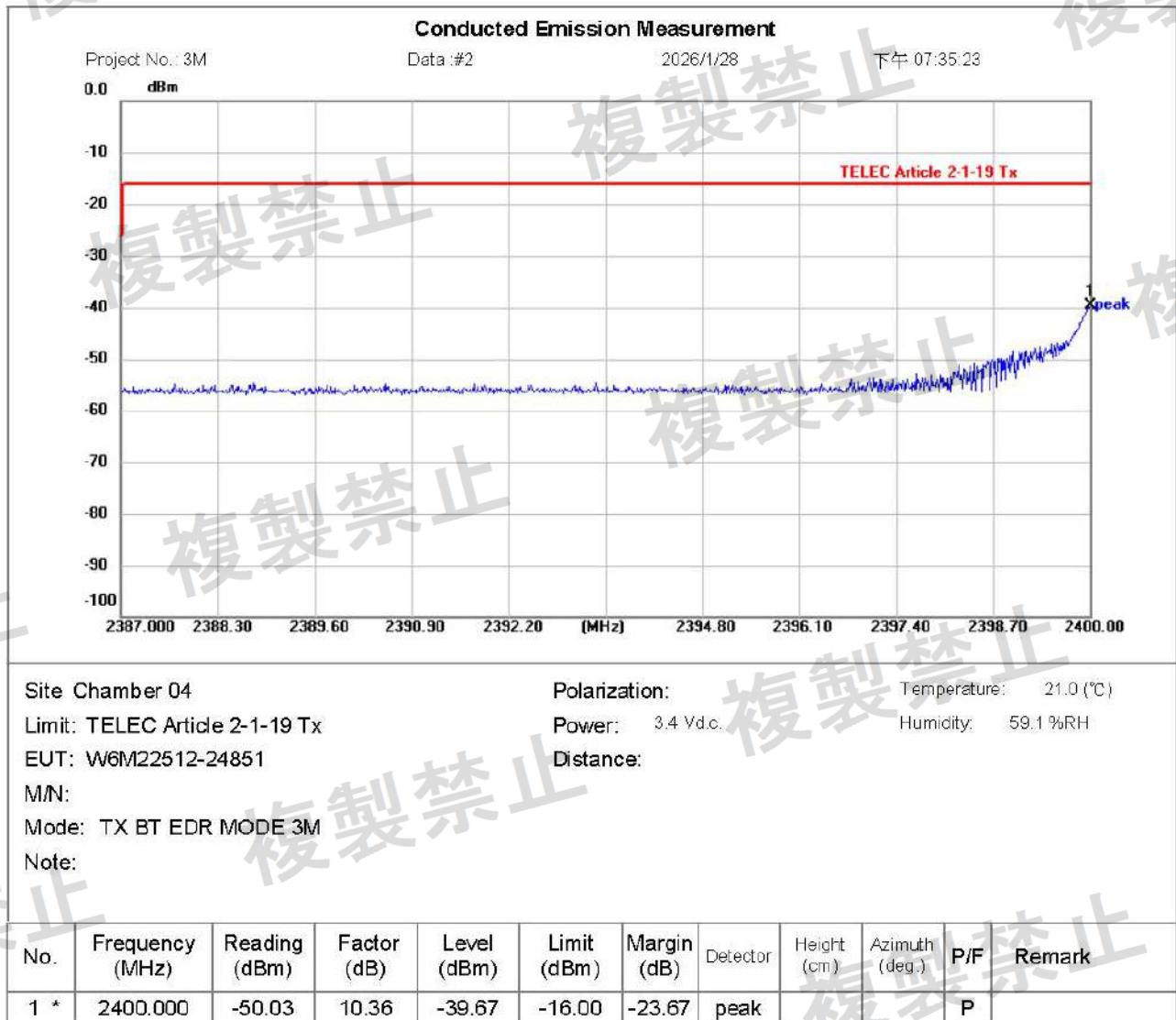
Mode: TX BT EDR MODE 3M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2078.233	-62.35	10.32	-52.03	-26.00	-26.03	peak			P	

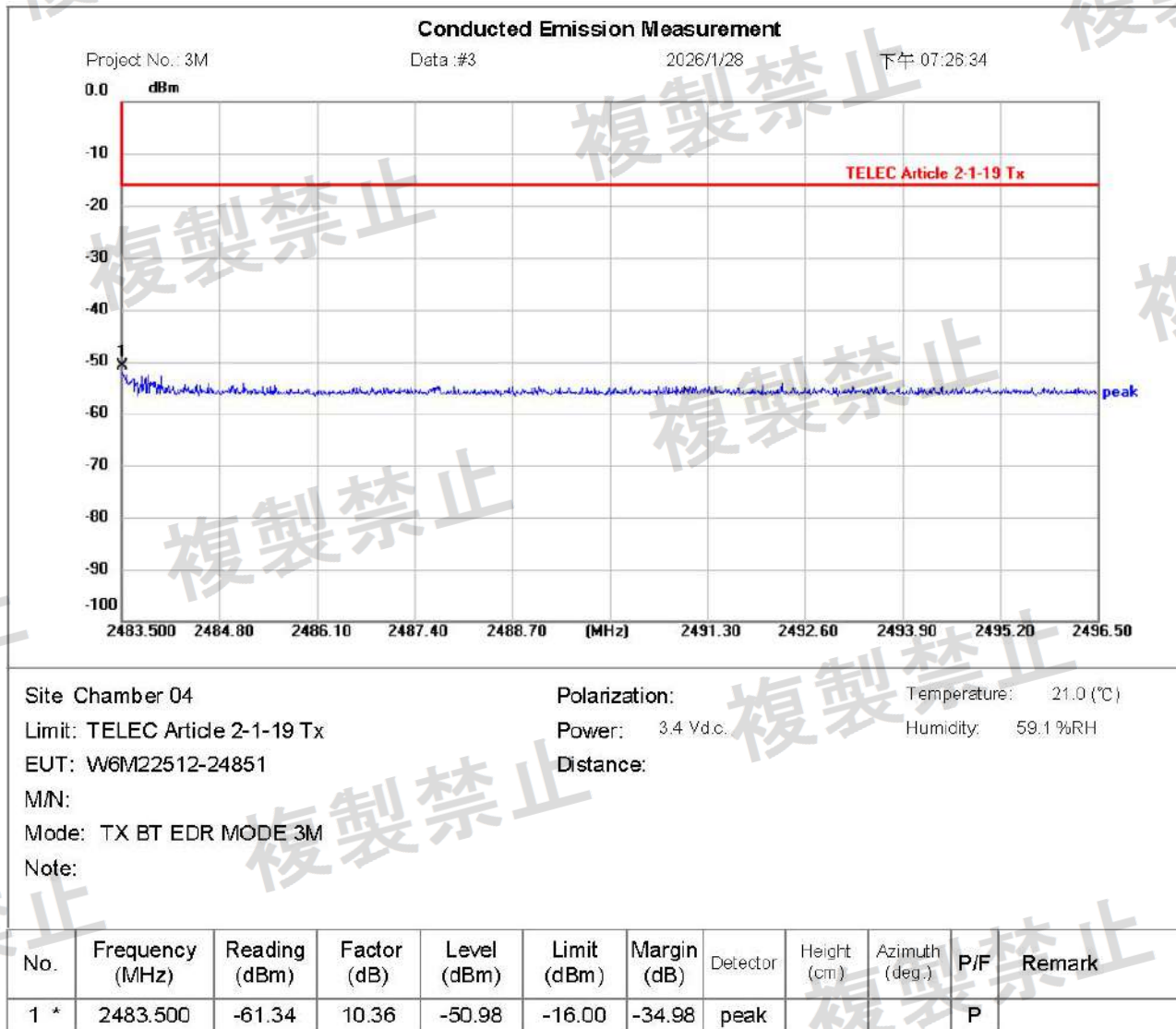


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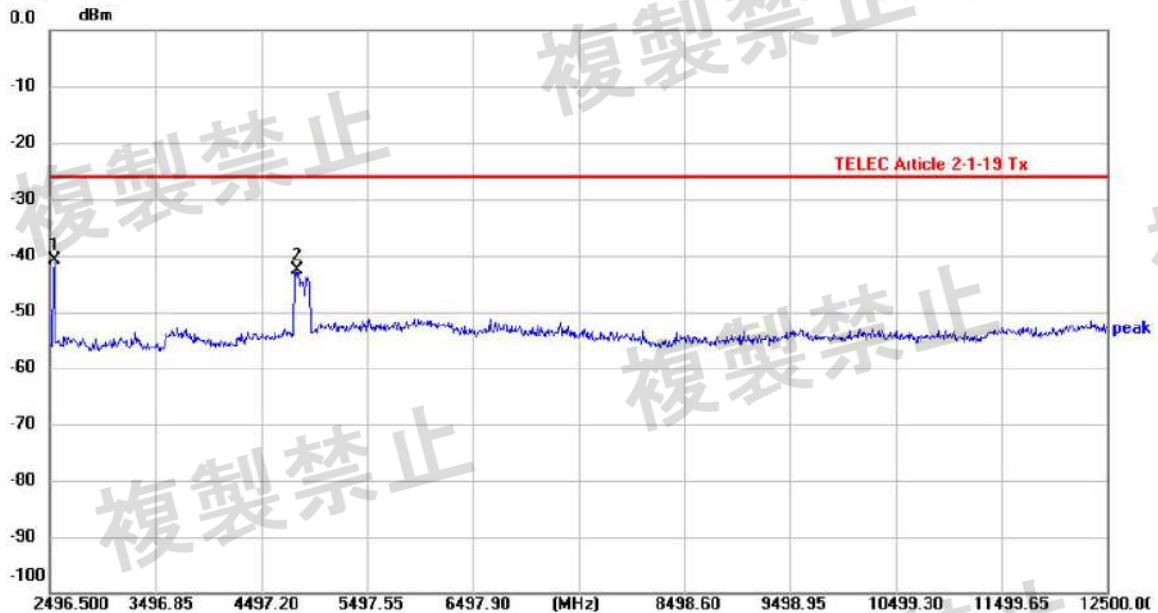
Conducted Emission Measurement

Project No.: 3M

Data: #4

2026/1/28

下午 07:18:21



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

MN:

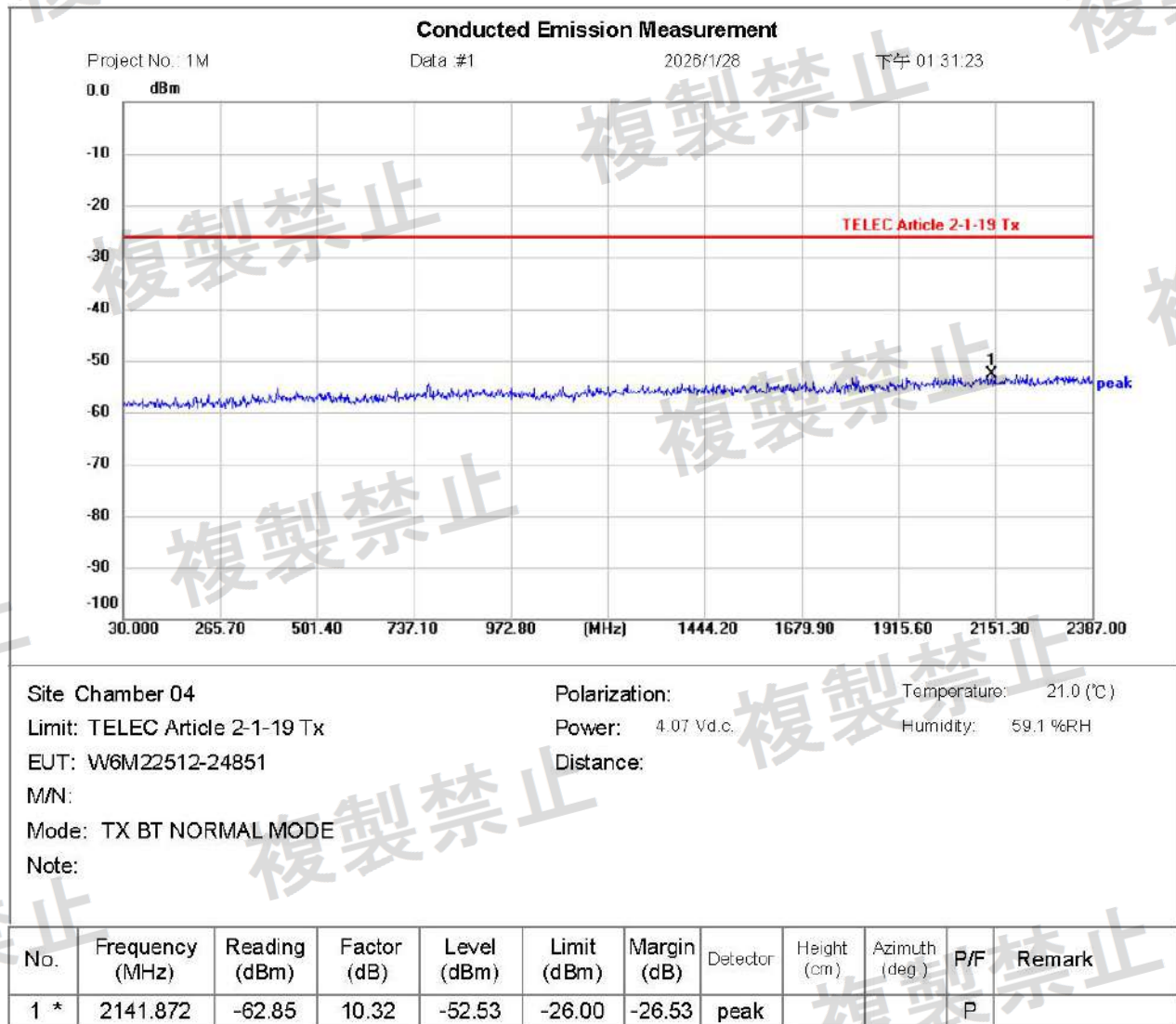
Mode: TX BT EDR MODE 3M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	2536.514	-51.19	10.36	-40.83	-26.00	-14.83	peak			P	
2	4827.316	-53.32	10.59	-42.73	-26.00	-16.73	peak			P	

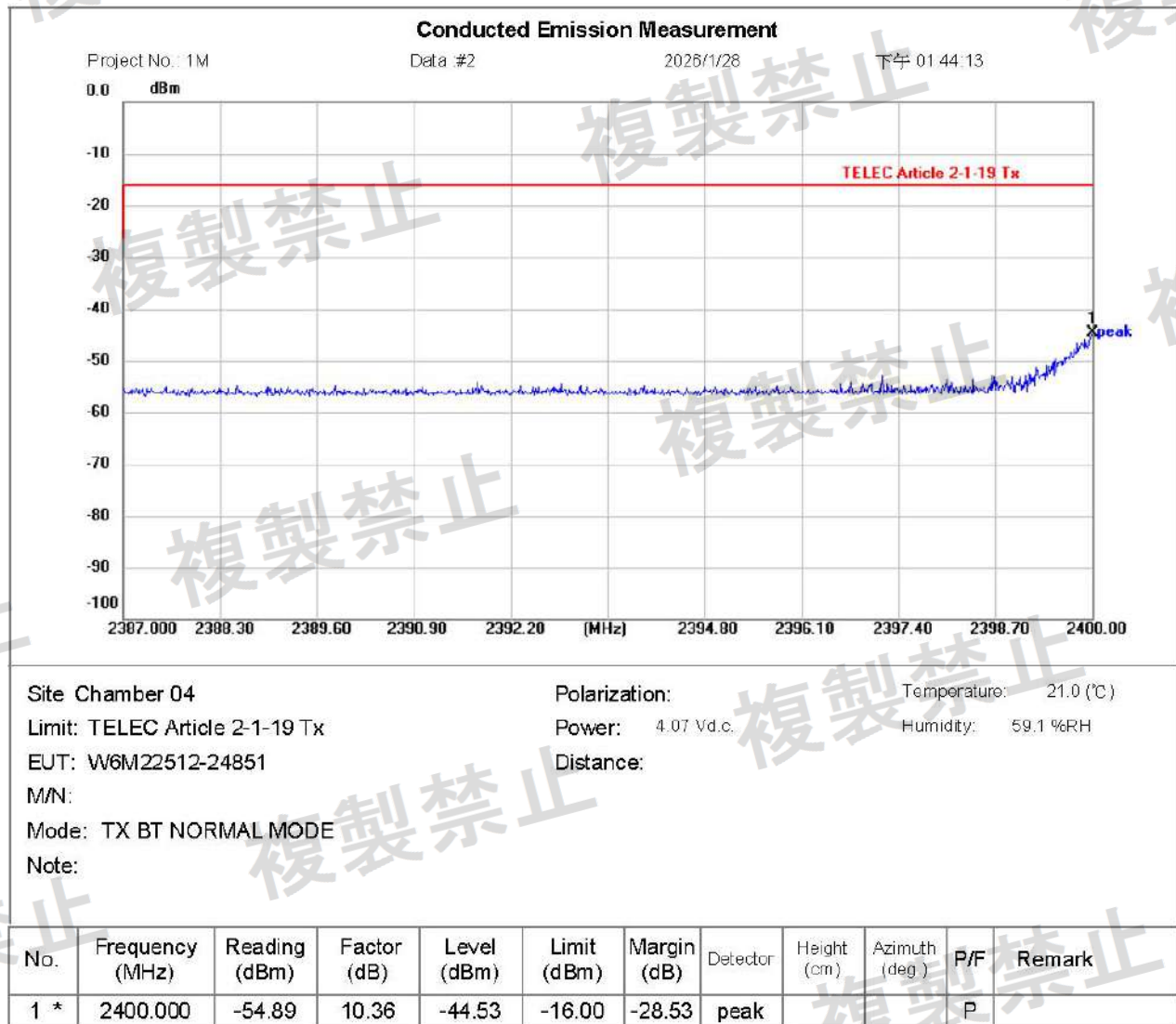


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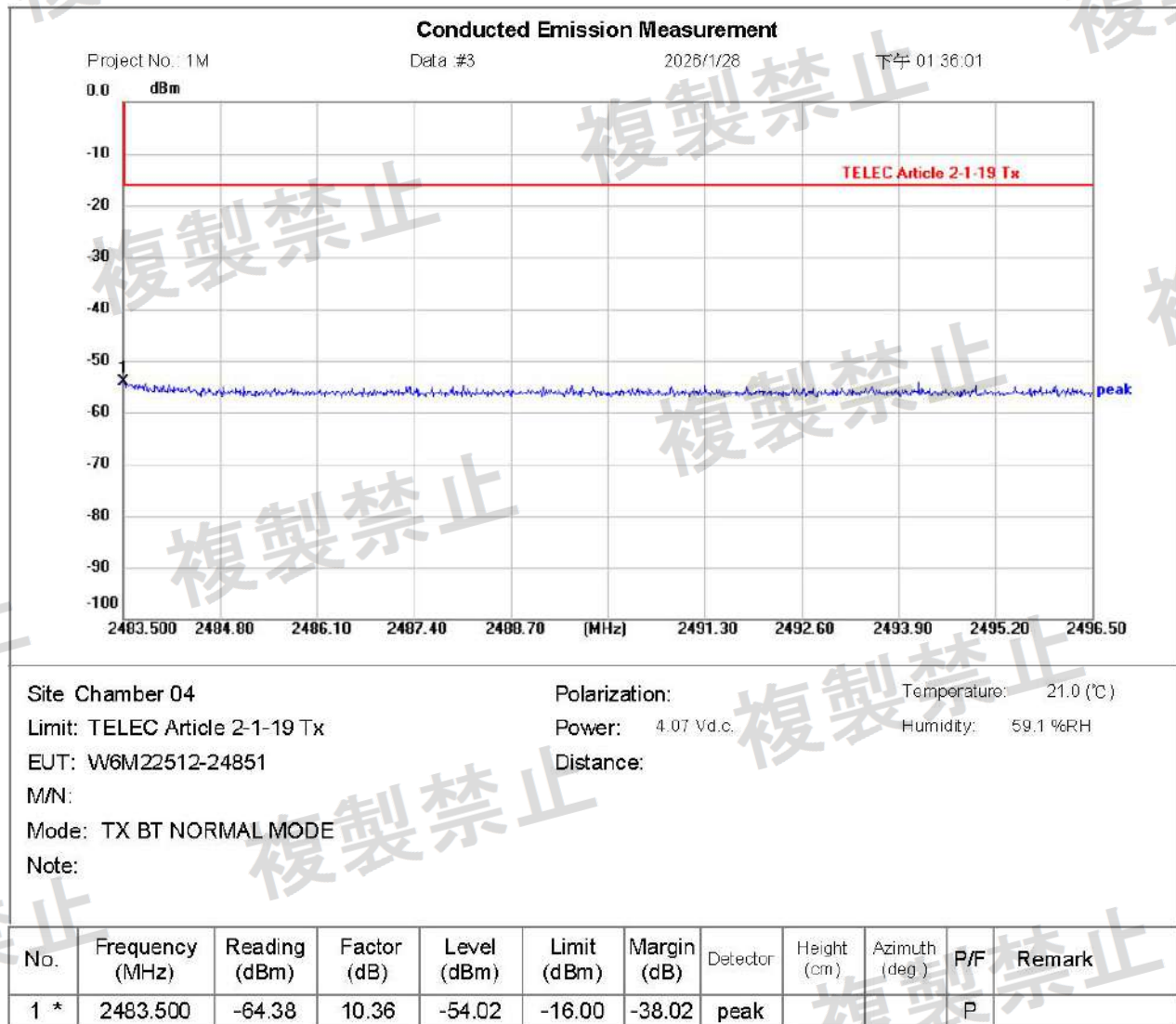


Worldwide Testing Services(Taiwan) Co., Ltd.



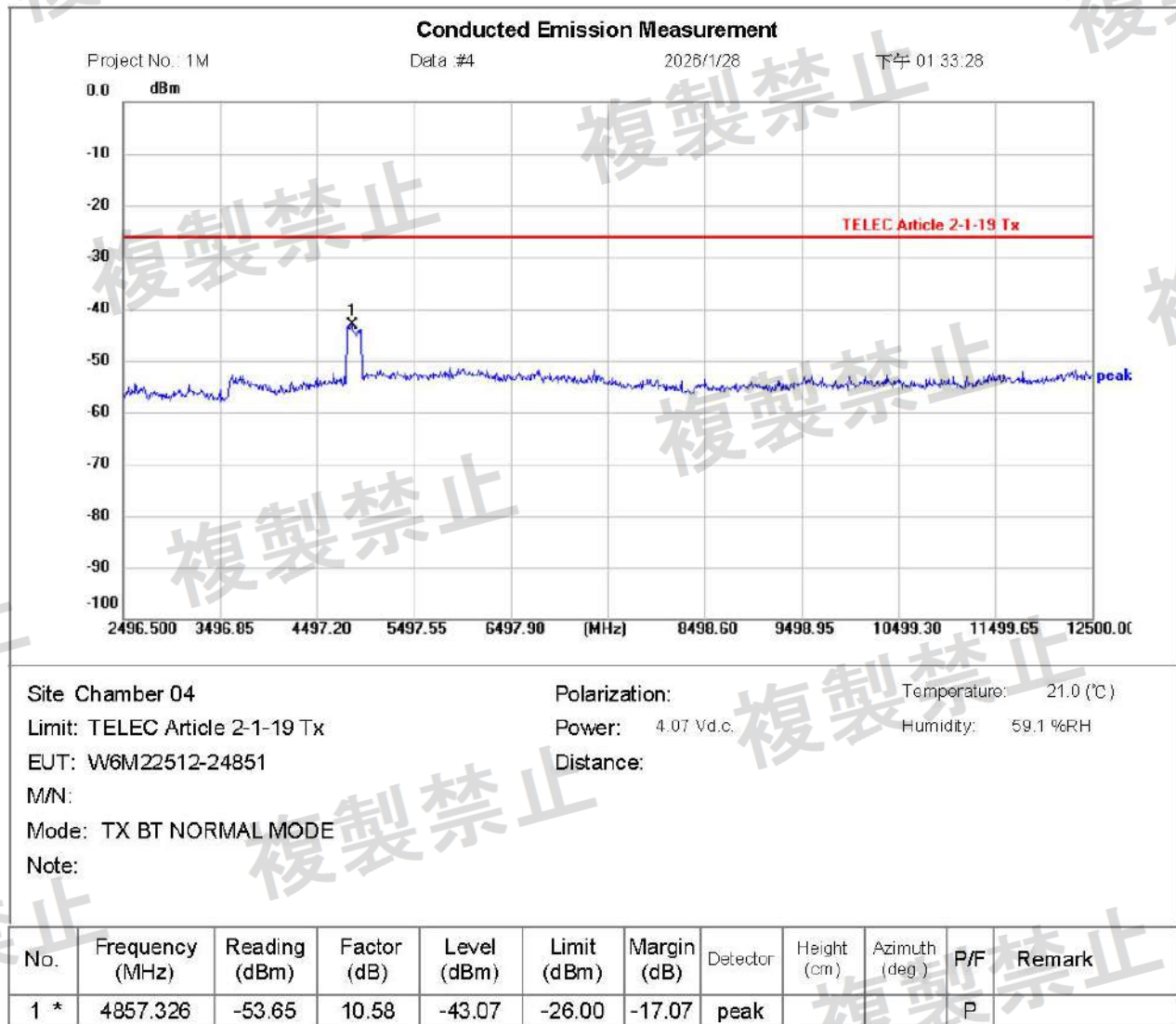


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Worldwide Testing Services(Taiwan) Co., Ltd.

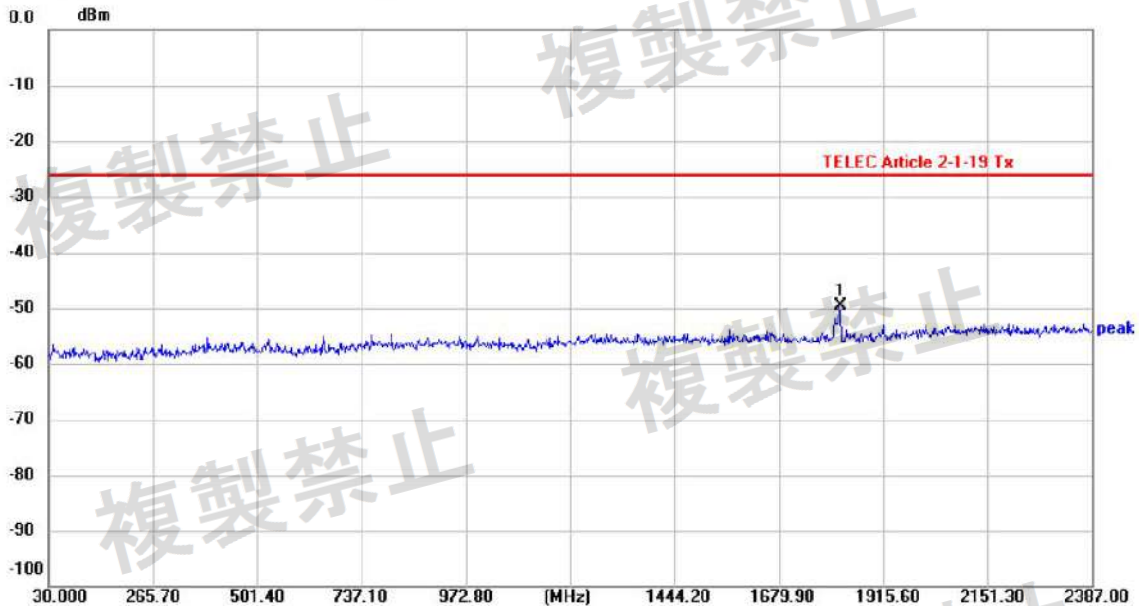
Conducted Emission Measurement

Project No.: 2M

Data #1

2025/1/28

下午 01:47:22



Site Chamber 04

Limit: TELEC Article 2-1-19 Tx

EUT: W6M22512-24851

M/N:

Mode: TX BT EDR MODE 2M

Note:

Polarization:

Temperature: 21.0 (°C)

Power: 4.07 Vd.c.

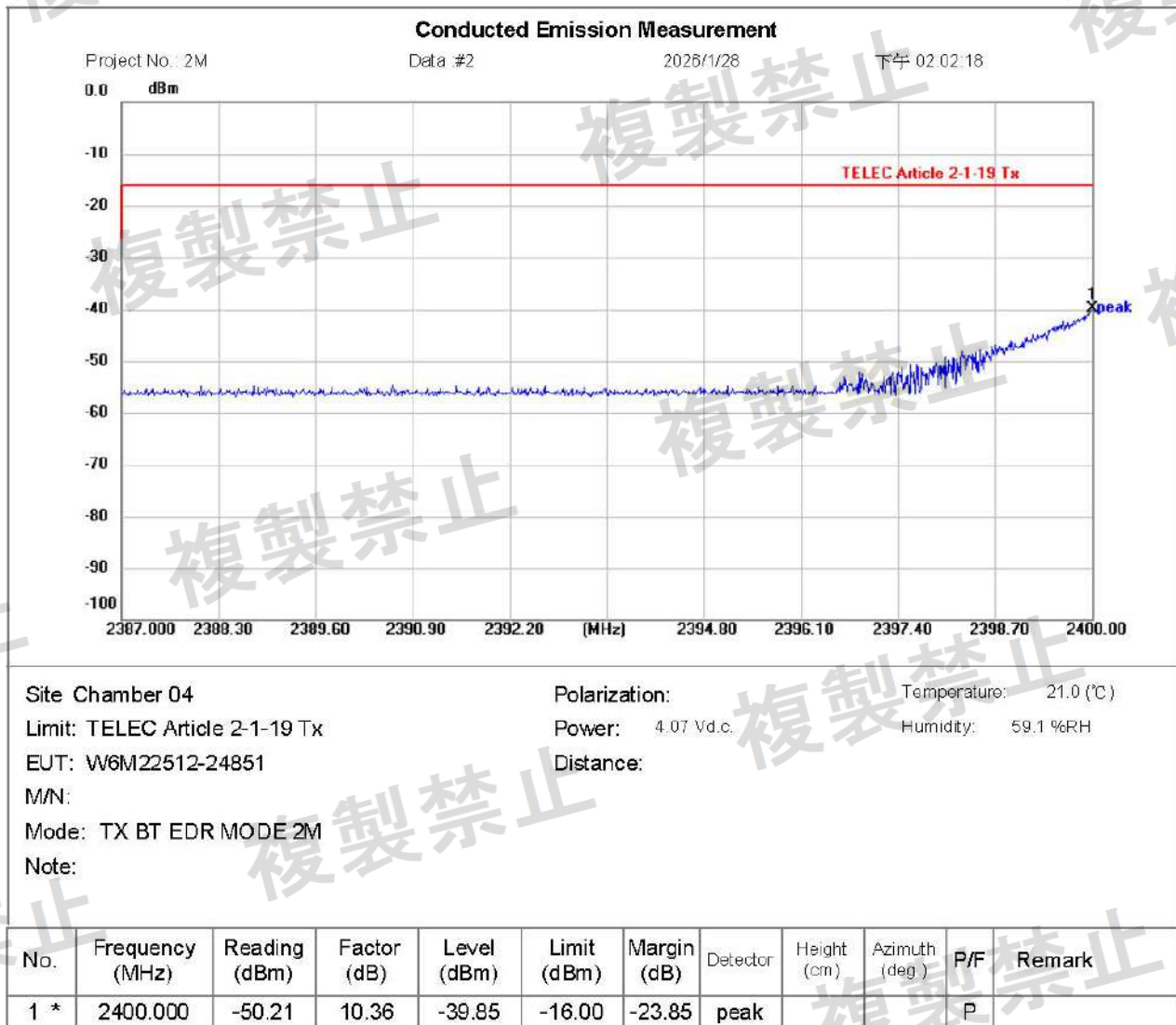
Humidity: 59.1 %RH

Distance:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F	Remark
1 *	1816.606	-59.82	10.28	-49.54	-26.00	-23.54	peak			P	



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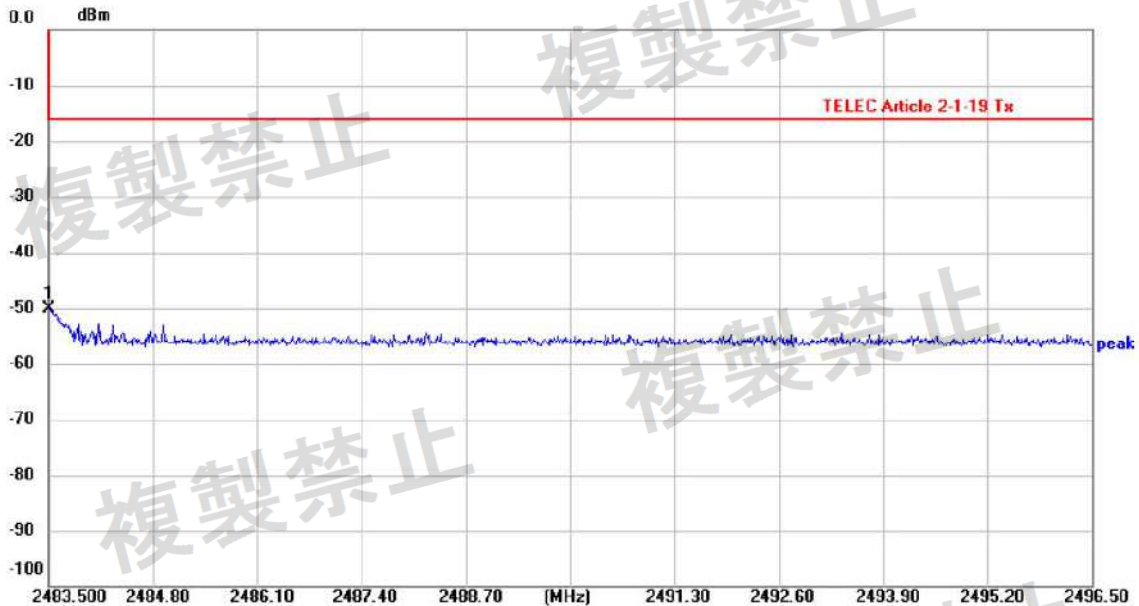
Conducted Emission Measurement

Project No.: 2M

Data: #3

2025/1/28

下午 01:53:28



Site Chamber 04

Limit: TELEC Article 2-1-19 Tx

EUT: W6M22512-24851

M/N:

Mode: TX BT EDR MODE 2M

Note:

Polarization:

Temperature: 21.0 (°C)

Power: 4.07 Vd.c.

Humidity: 59.1 %RH

Distance:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F	Remark
1 *	2483.500	-60.38	10.36	-50.02	-16.00	-34.02	peak			P	



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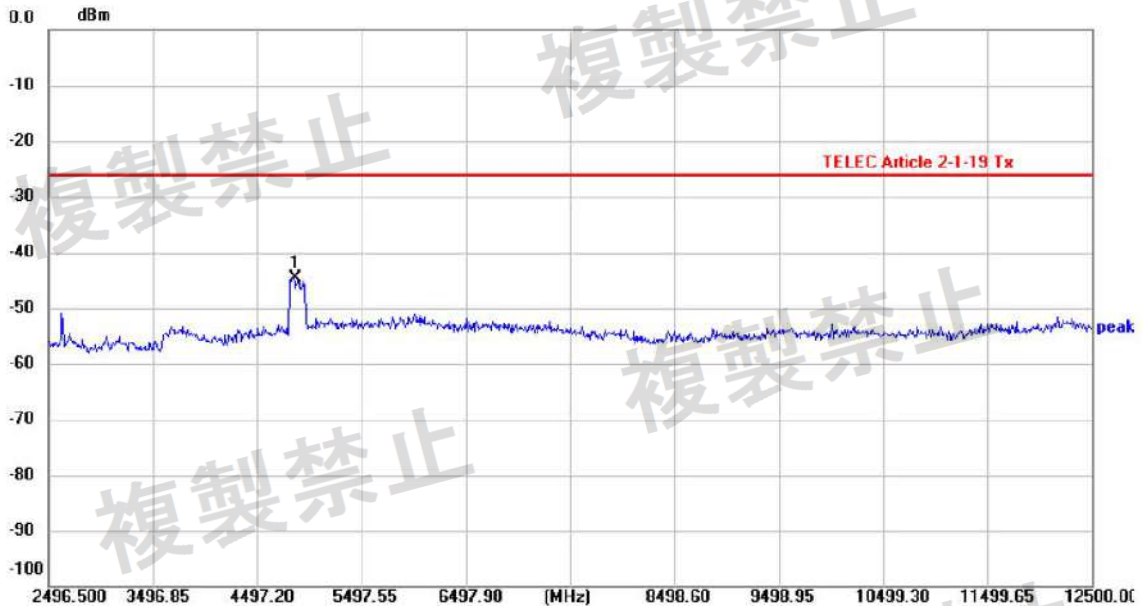
Conducted Emission Measurement

Project No.: 2M

Data: #4

2025/1/28

下午 01:49:18



Site Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Tx

Power: 4.07 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

M/N:

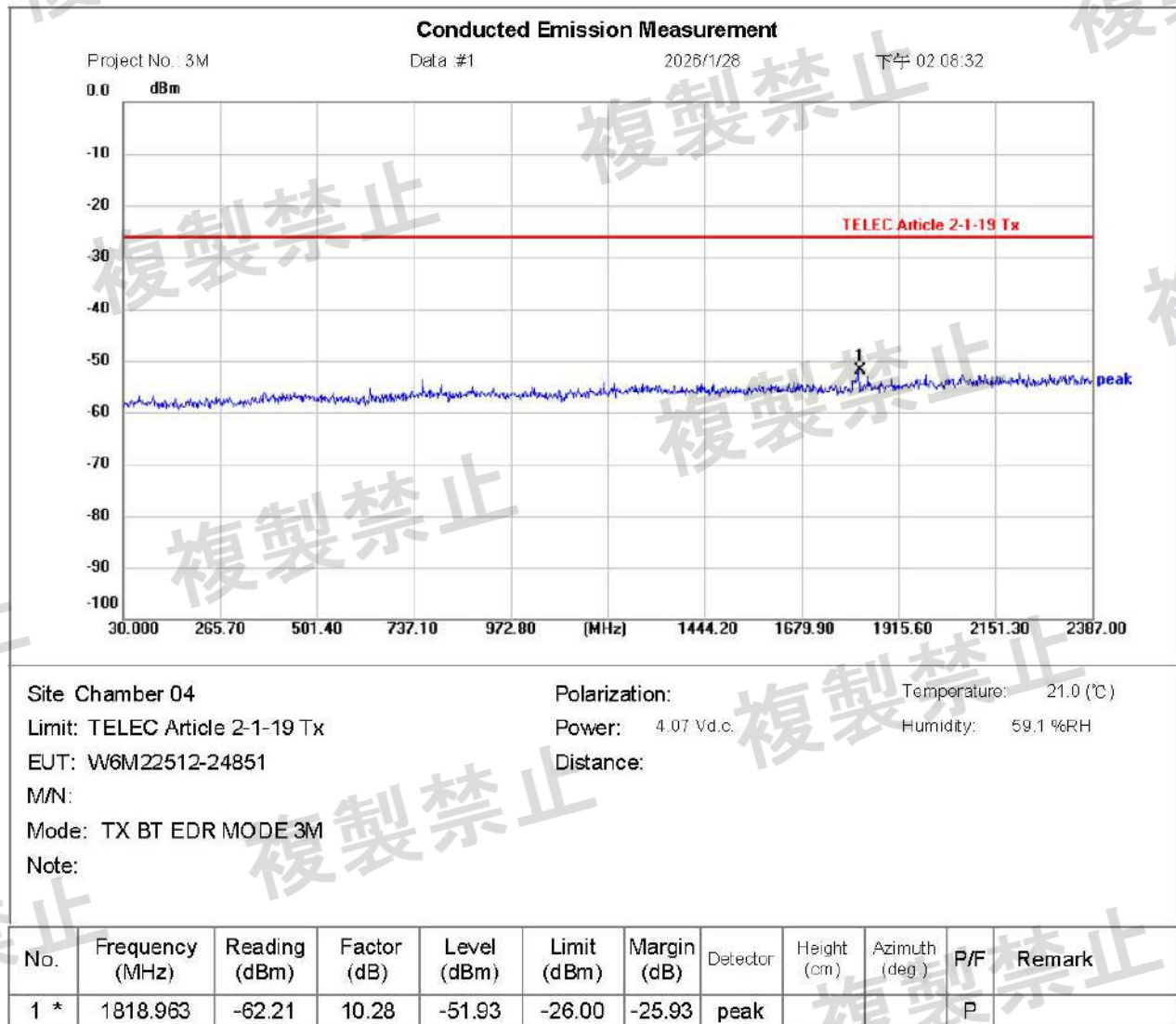
Mode: TX BT EDR MODE 2M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F	Remark
1 *	4847.323	-55.10	10.58	-44.52	-26.00	-18.52	peak			P	

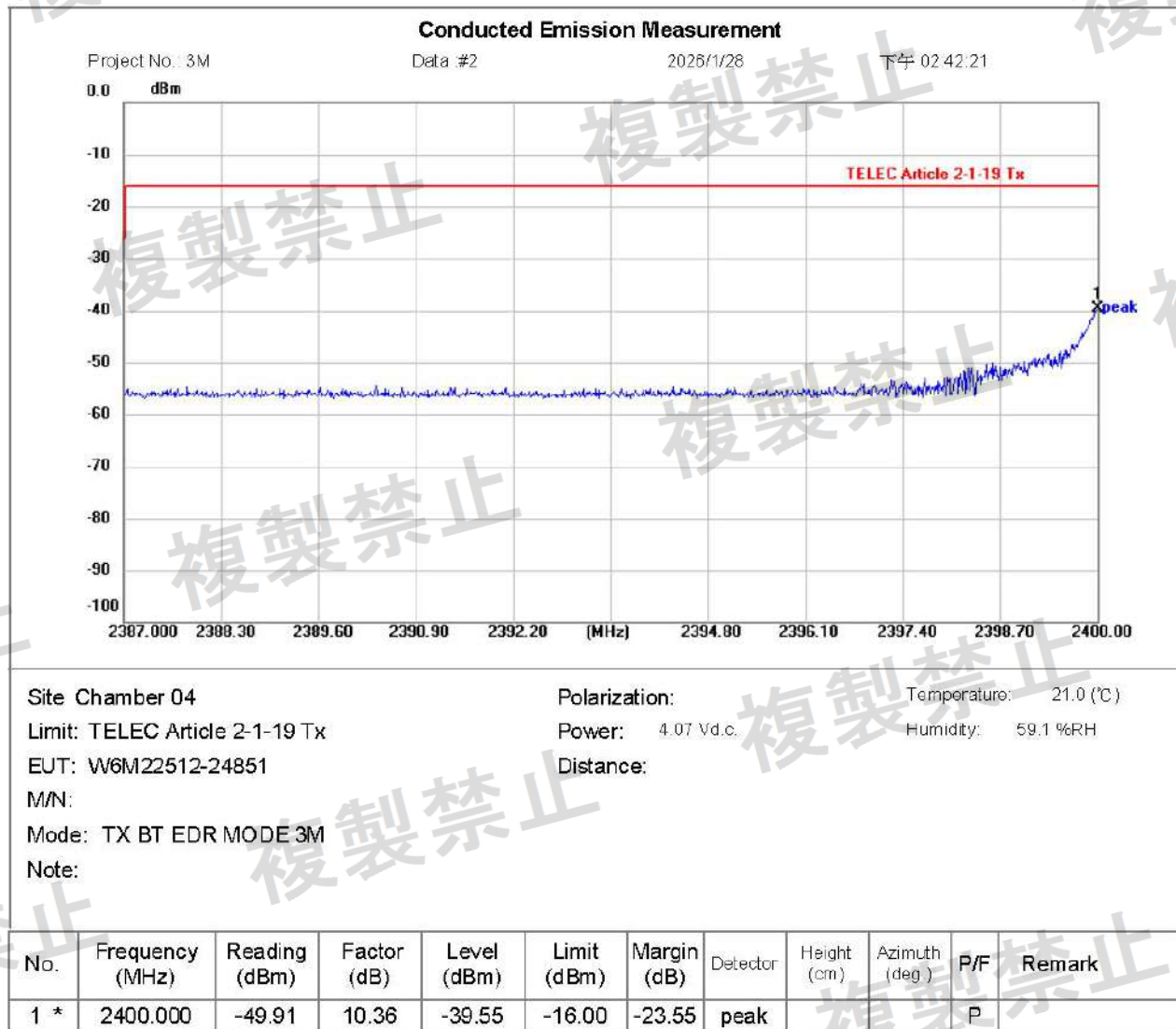


Worldwide Testing Services(Taiwan) Co., Ltd.



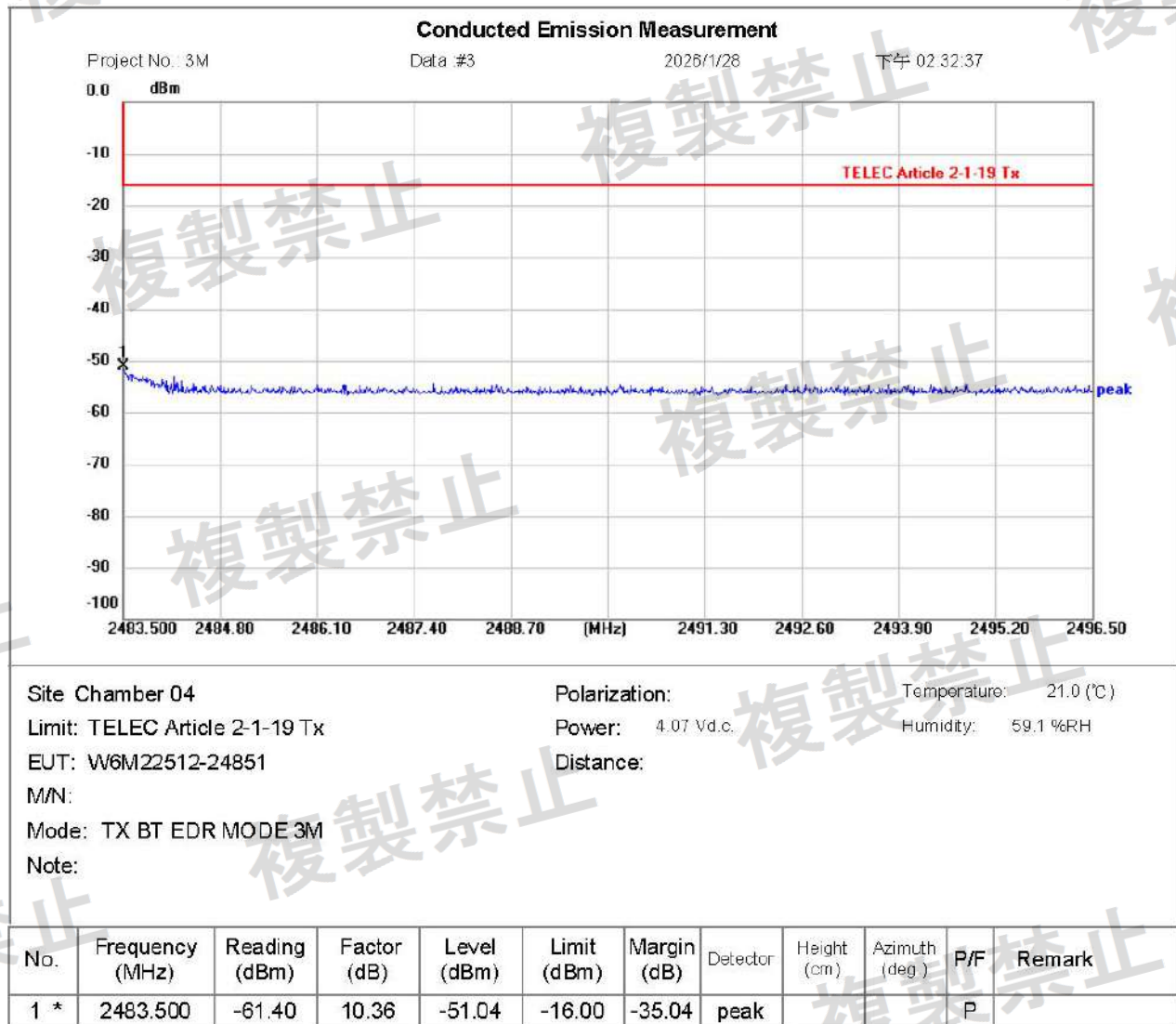


Worldwide Testing Services(Taiwan) Co., Ltd.



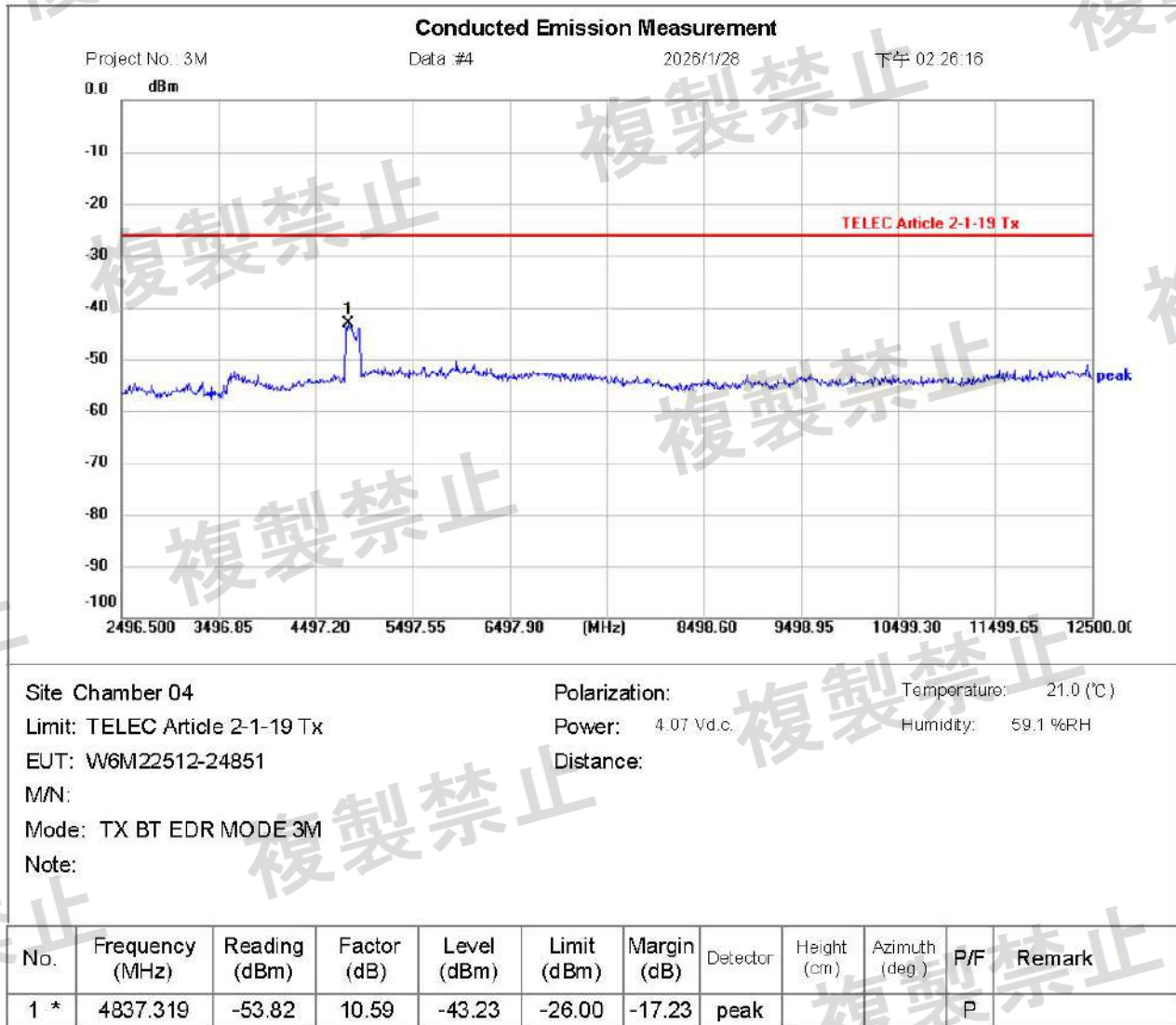


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Explanation: ./.



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Limits:

Transmitting operating	Operating frequency 2400 – 2483 MHz: 30MHz - 2387MHz ; 2.5μW/MHz or less 2387MHz – 2400MHz ; 25μW/MHz or less 2483.5MHz – 2496.5MHz ; 25μW/MHz or less 2496.5MHz – 12.5GHz ; 2.5μW/MHz or less
------------------------	--

Note:

30MHz-2387MHz

1. The measurement use RBW = 1 MHz, VBW = 1 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 MHz, VBW = 1 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 MHz, VBW = 1 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 MHz, VBW = 1 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



3.6 Antenna Power

Test date: January 26, 2026

Temperature: 21.9°C

Humidity: 58.8%

Tester: Sky

3.7Vd.c.

GFSK





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π / 4DQPSK



8DPSK



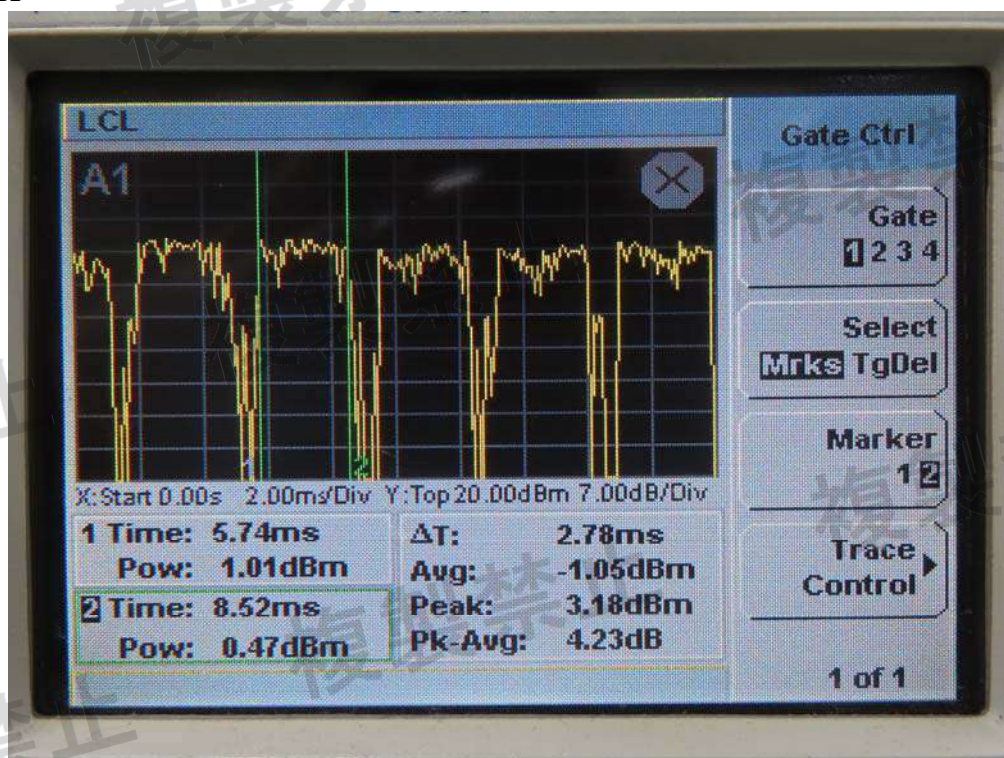


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3.4Vd.c.
GFSK



$\pi / 4$ DQPSK



8DPSK



4.07Vd.c.
GFSK



π / 4DQPSK



8DPSK





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3.7Vd.c.

GFSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	3.7	1.39	1.38

$\pi/4$ DQPSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	3.7	0.92	1.24

8DPSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	3.7	3.18	2.08

3.4Vd.c.

GFSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	3.4	2.17	1.65

$\pi/4$ DQPSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	3.4	3.18	2.08

8DPSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	3.4	1.84	1.53

4.07Vd.c.

GFSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	4.07	-0.64	0.86

$\pi/4$ DQPSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	4.07	2.01	1.59

8DPSK

Temperature	Voltage	Total conducted power	
°C	VDC	(dBm)	mW
23	4.07	3.27	2.12



Worldwide Testing Services(Taiwan) Co., Ltd.

3.7Vd.c.

GFSK

Total conducted power	Spreading Bandwidth (20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.38	17.56795	0.0786	-97.38%
Total conducted power	Spreading Bandwidth (79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.38	72.3079692303	0.0191	-99.36%

$\pi/4$ DQPSK

Total conducted power	Spreading Bandwidth(20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.24	17.99103	0.0689	-97.70%
Total conducted power	Spreading Bandwidth(79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.24	72.307692303	0.0171	-99.43%

8DPSK

Total conducted power	Spreading Bandwidth (20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
2.08	17.99103	0.1156	-96.15%
Total conducted power	Spreading Bandwidth (79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
2.08	72.307692303	0.0288	-99.04%



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3.4Vd.c.

GFSK

Total conducted power	Spreading Bandwidth (20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.65	17.56795	0.0939	-96.87%
Total conducted power	Spreading Bandwidth (79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.65	72.307692303	0.0228	-99.24%

$\pi/4$ DQPSK

Total conducted power	Spreading Bandwidth(20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
2.08	17.99103	0.1156	-96.15%
Total conducted power	Spreading Bandwidth(79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
2.08	72.30762303	0.0288	-99.04%

8DPSK

Total conducted power	Spreading Bandwidth (20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.53	17.99103	0.0850	-97.17%
Total conducted power	Spreading Bandwidth (79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.53	72.30762303	0.0212	-99.29%

4.07Vd.c.

GFSK

Total conducted power	Spreading Bandwidth (20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
0.86	17.56795	0.0490	-98.37%
Total conducted power	Spreading Bandwidth (79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
0.86	72.307692303	0.0119	-99.60%



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$\pi/4$ DQPSK

Total conducted power	Spreading Bandwidth(20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.59	17.99103	0.0884	-97.05%
Total conducted power	Spreading Bandwidth(79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
1.59	72.307692303	0.0220	-99.27%

8DPSK

Total conducted power	Spreading Bandwidth (20 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
2.12	17.99103	0.1178	-96.07%
Total conducted power	Spreading Bandwidth (79 channels)	Result	Tolerance
(mW)	(MHz)	(mW/MHz)	(mW/MHz)
2.12	72.307692303	0.0293	-99.02%

Rated output power
3mW/MHz (20, 79 channels minimum)

Explanation: ./.

Limits:

Under all test conditions	Conducted	(1) FH, FH+DS, FH+OFDM: 3mW/MHz or less (used in the range of 2427 - 2470.75MHz) (2) Other than (1) of OFDM & DS : 10mW/MHz or less (3) Other than (1) & (2) : 10mW or less Tolerance: +20%
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3.7 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 Normal/EDR: 3mW/MHz;
Low energy: 10mW to the transmitting antenna with its absolute gain being 2.14 dBi, and shall be 1 when it is lower than 1.

Test date: January 26, 2026

Temperature: 21.9°C

Humidity: 58.8%

Tester: Sky

Normal/EDR

Highest Antenna Power	mW/MHz	dBm/MHz
	0.1178	-9.29

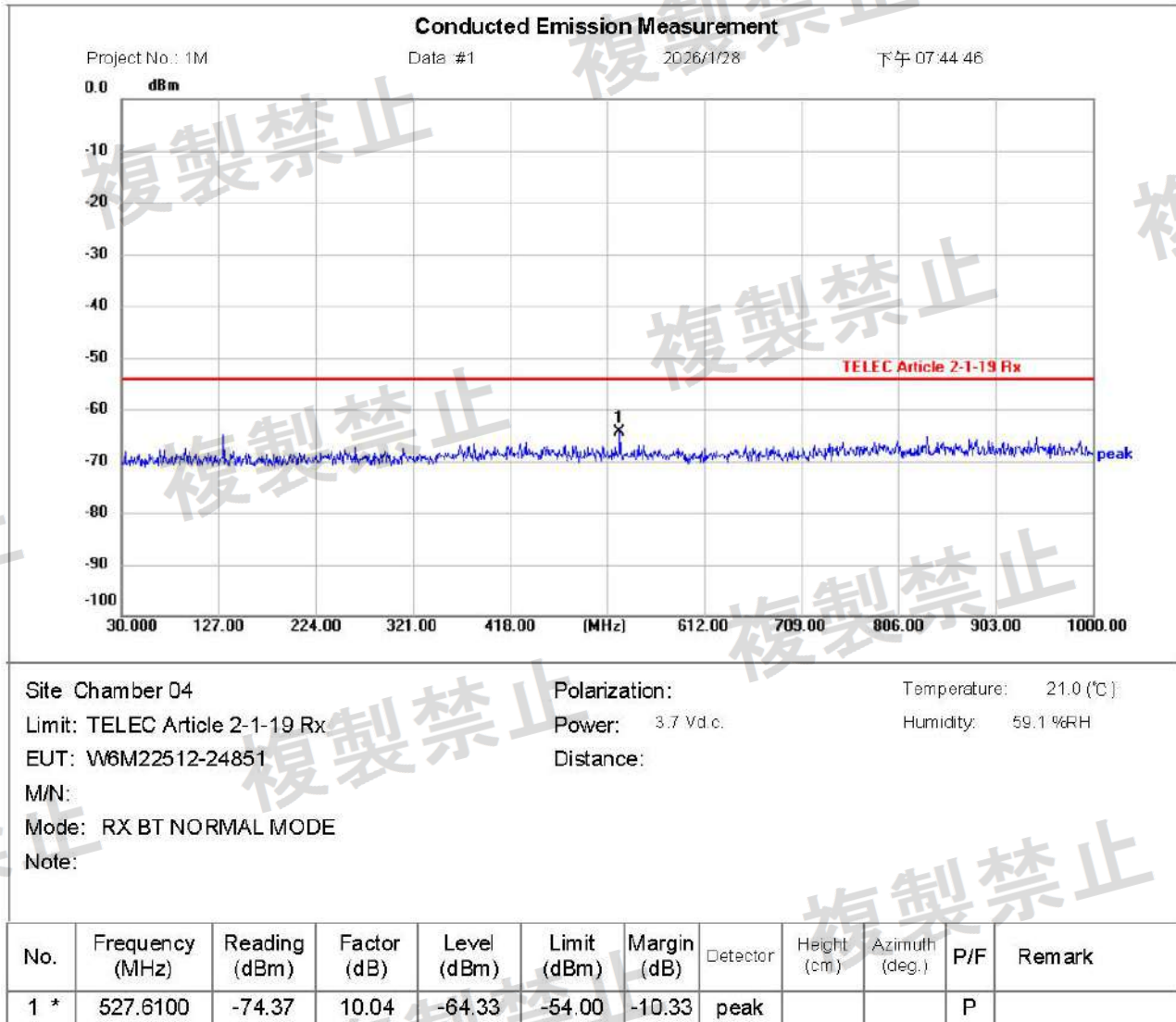
Maximum Antenna gain (dBi)	Highest Antenna Power (dBm/MHz)	EIRP (dBm/MHz)	Limit (dBm/MHz)
2.7	-9.29	-6.59	6.91

Limits:

Modulation	FHSS	Other method (except SS&OFDM)
Frequency Range	2427-2470.75MHz	2400-2483.5 MHz
E.I.R.P.	6.91-16.91 dBm/MHz	12.14-22.14 dBm

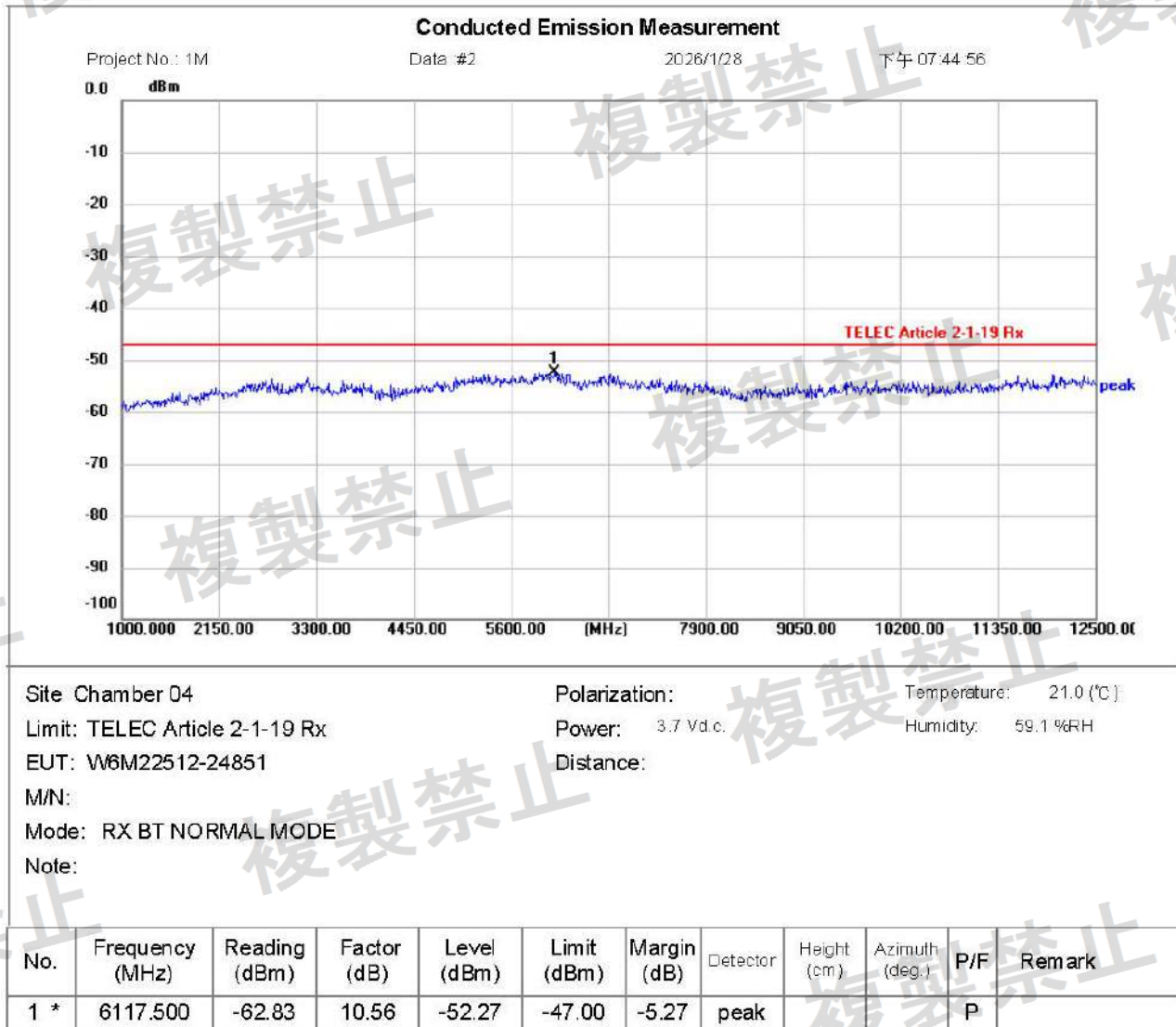


3.8 Spurious emission receiver



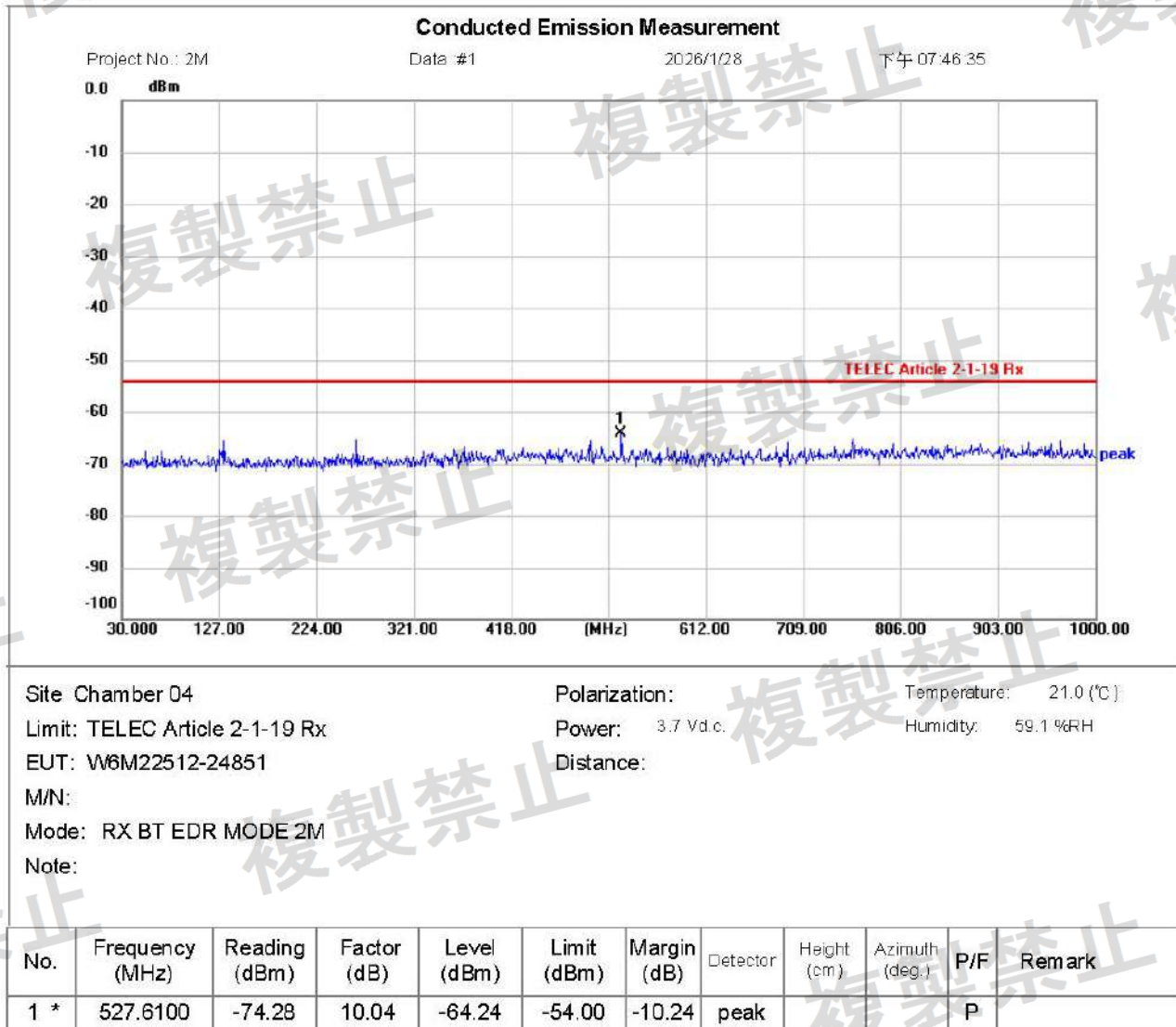


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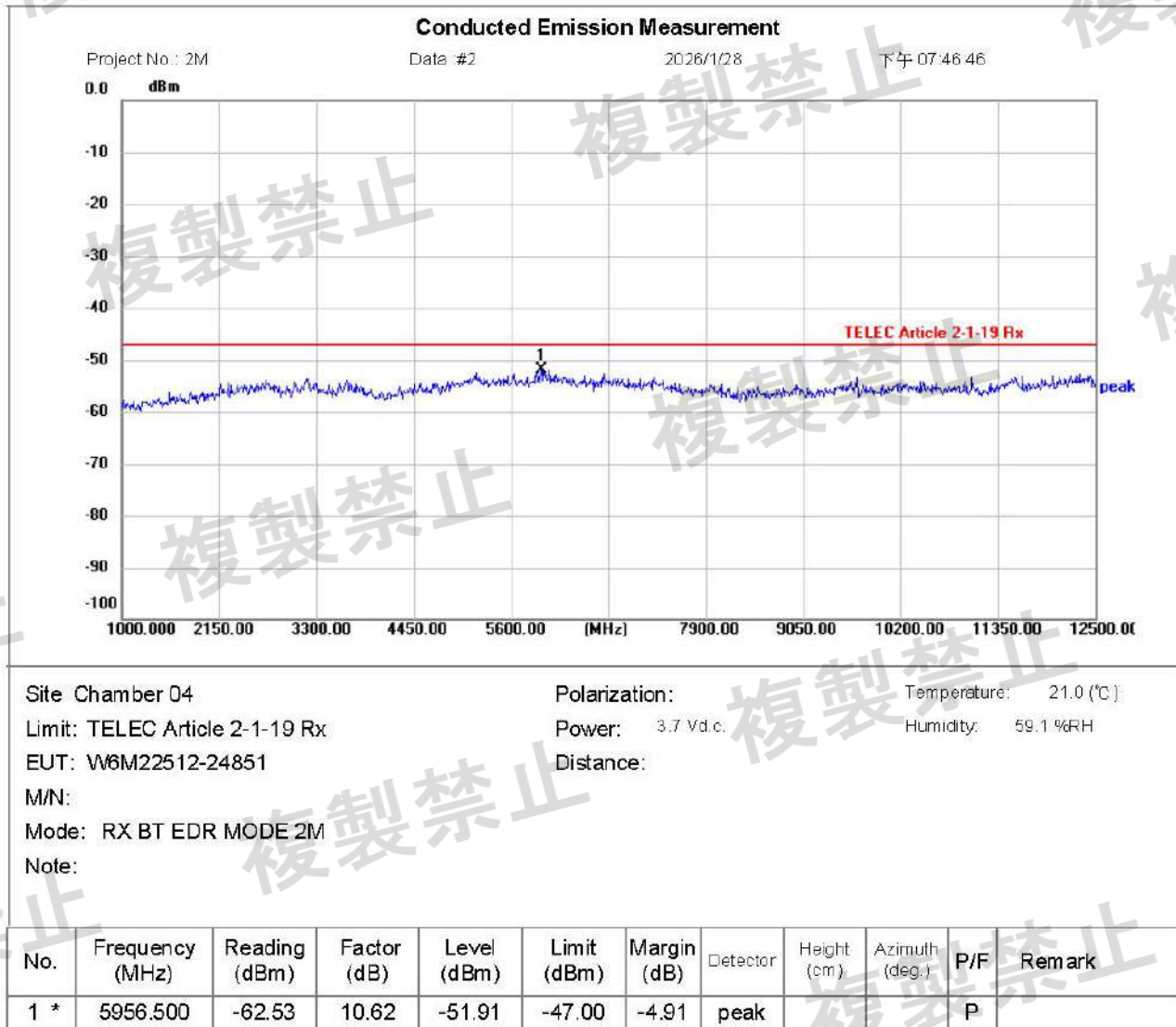


Worldwide Testing Services(Taiwan) Co., Ltd.



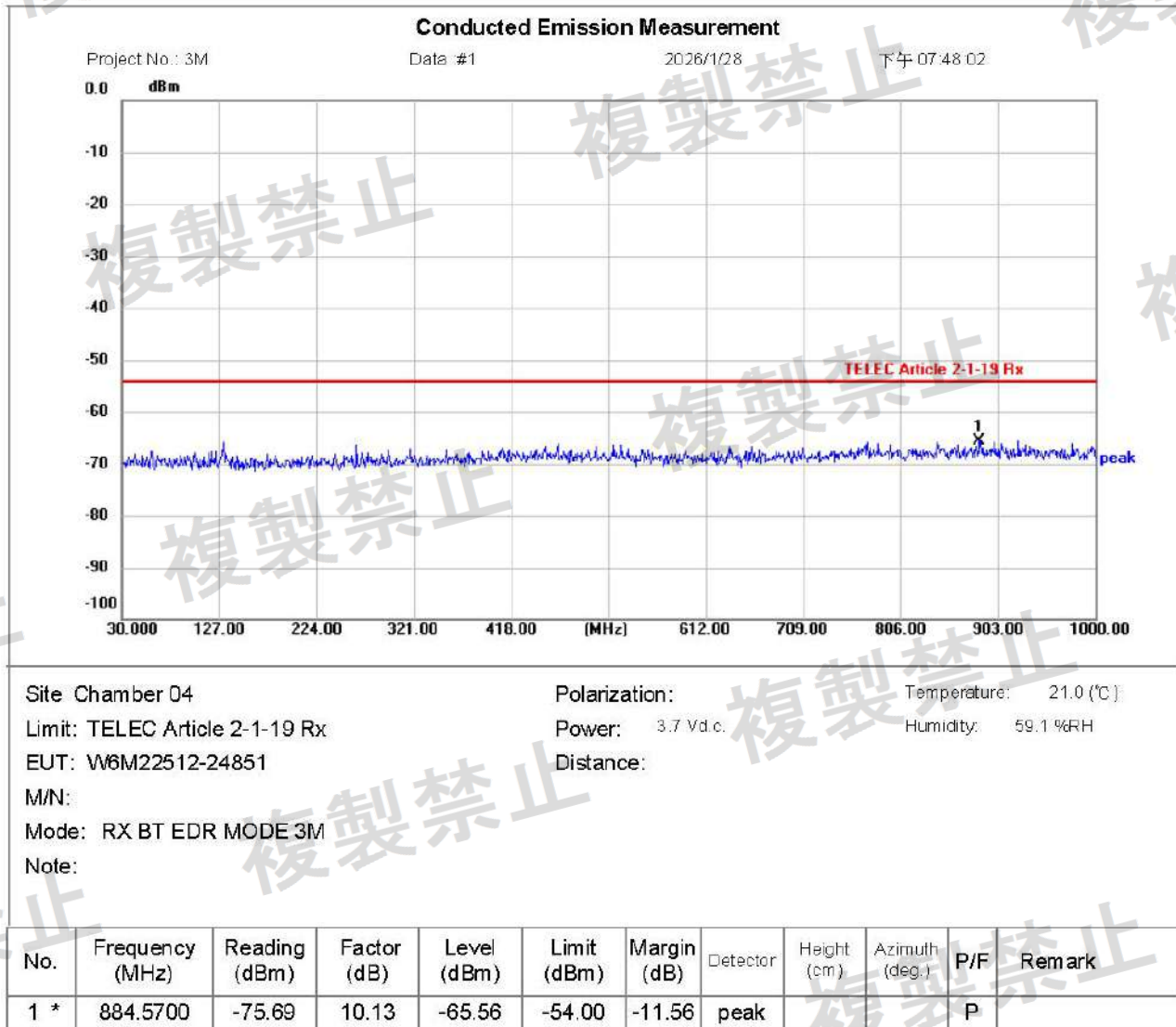


Worldwide Testing Services(Taiwan) Co., Ltd.



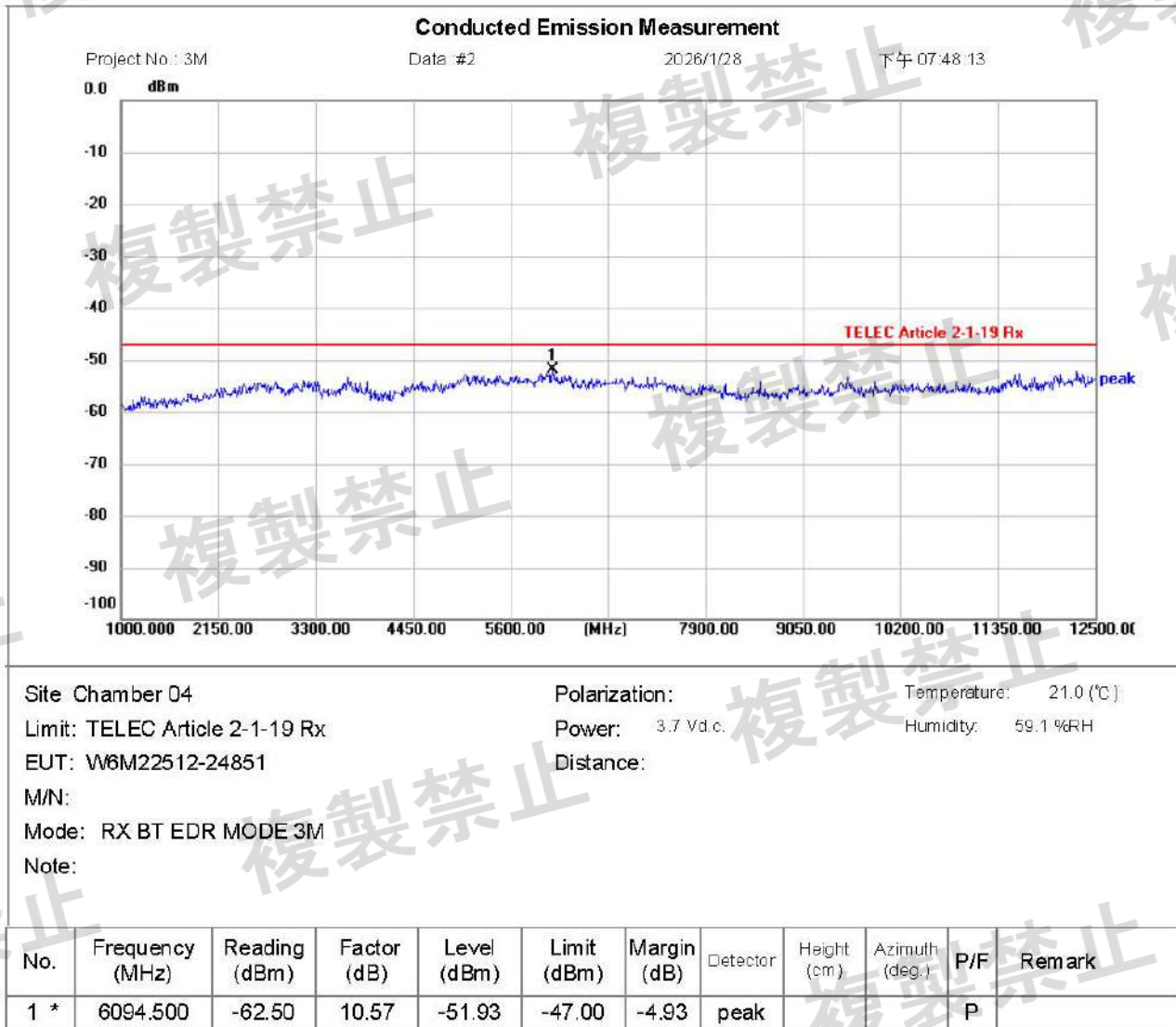


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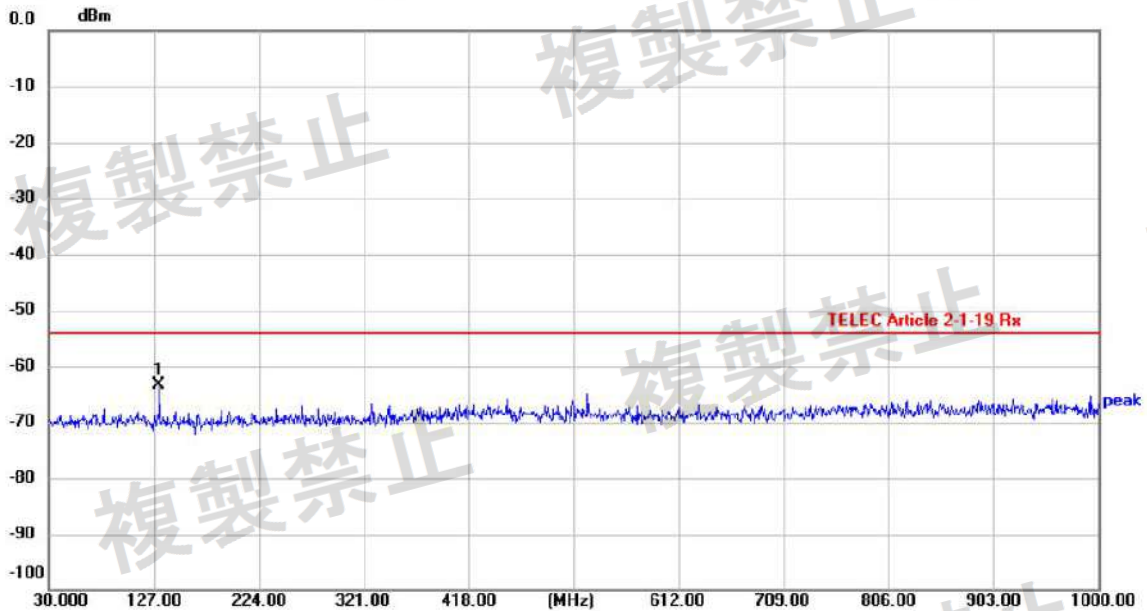
Conducted Emission Measurement

Project No.: 1M

Data :#1

2026/1/28

下午 07:52:47



Site: Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Rx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

M/N:

Mode: RX BT NORMAL MODE

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	131.8500	-73.31	9.89	-63.42	-54.00	-9.42	peak			P	



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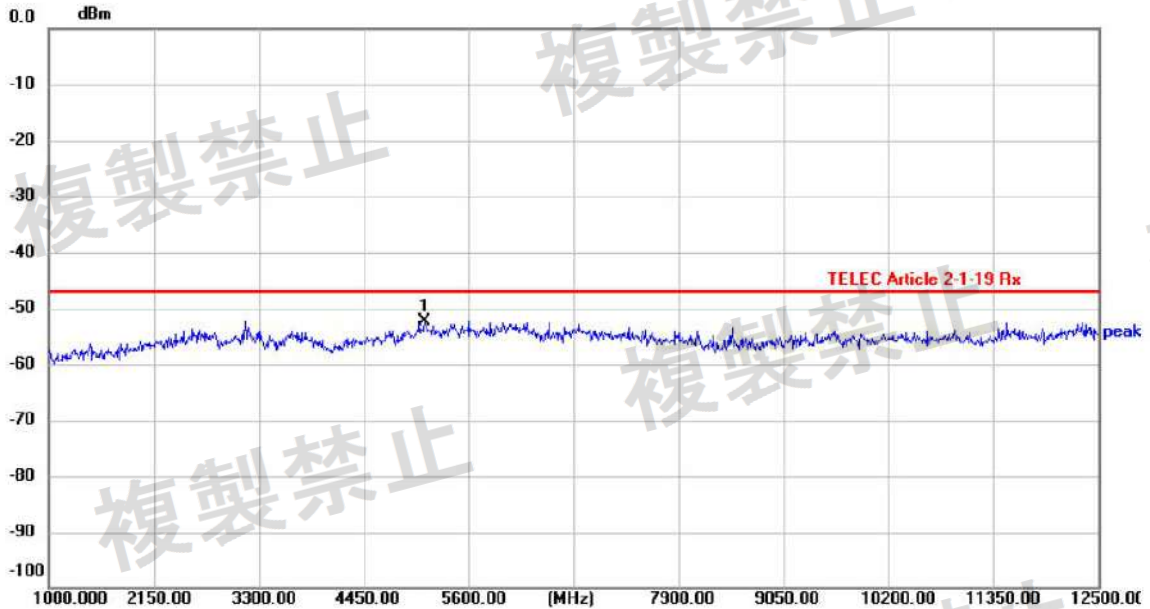
Conducted Emission Measurement

Project No.: 1M

Data :#2

2026/1/28

下午 07:52:57



Site: Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Rx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

M/N:

Mode: RX BT NORMAL MODE

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5117.000	-62.94	10.60	-52.34	-47.00	-5.34	peak			P	



Worldwide Testing Services(Taiwan) Co., Ltd.

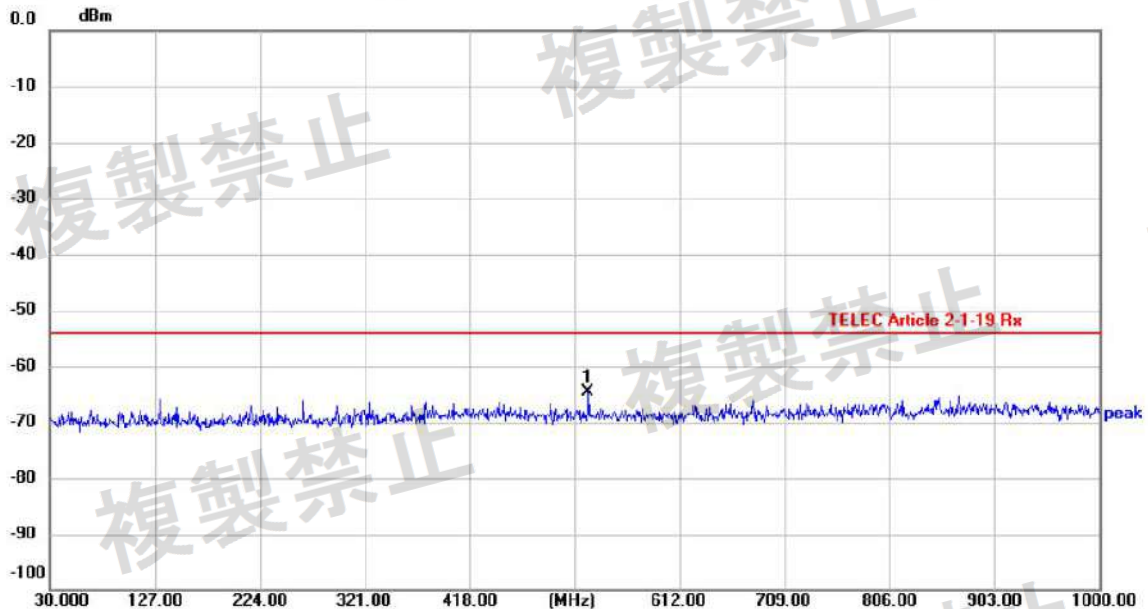
Conducted Emission Measurement

Project No.: 2M

Data :#1

2026/1/28

下午 07:50:41



Site: Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Rx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

M/N:

Mode: RX BT EDR MODE 2M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	527.6100	-74.62	10.04	-64.58	-54.00	-10.58	peak			P	



Worldwide Testing Services(Taiwan) Co., Ltd.

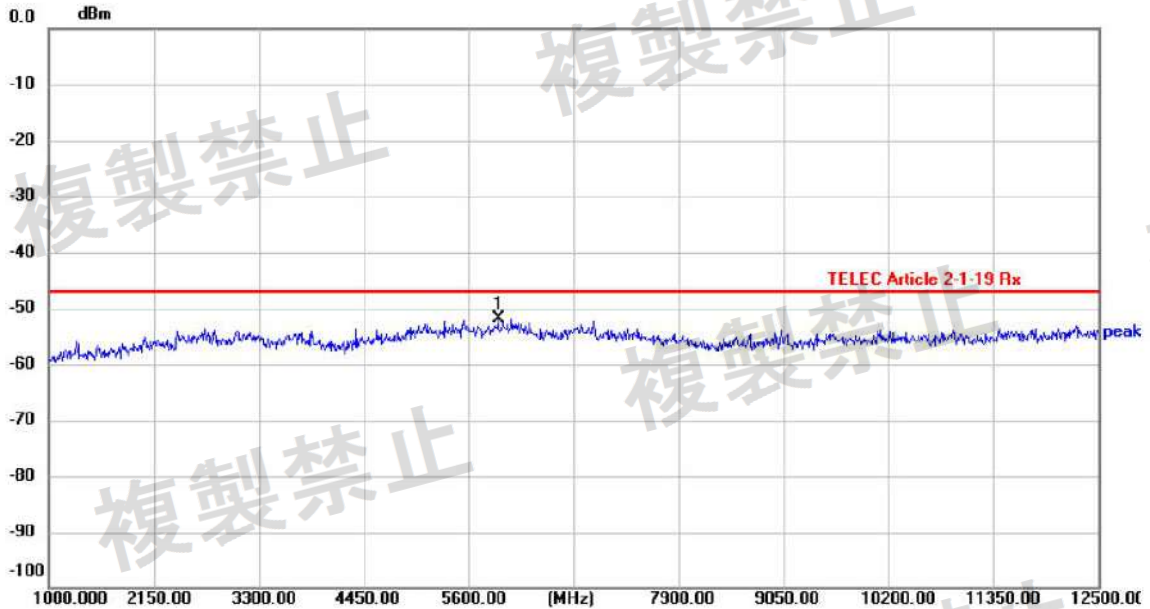
Conducted Emission Measurement

Project No.: 2M

Data :#2

2026/1/28

下午 07:50:52



Site: Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Rx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

M/N:

Mode: RX BT EDR MODE 2M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5922.000	-62.56	10.59	-51.97	-47.00	-4.97	peak			P	



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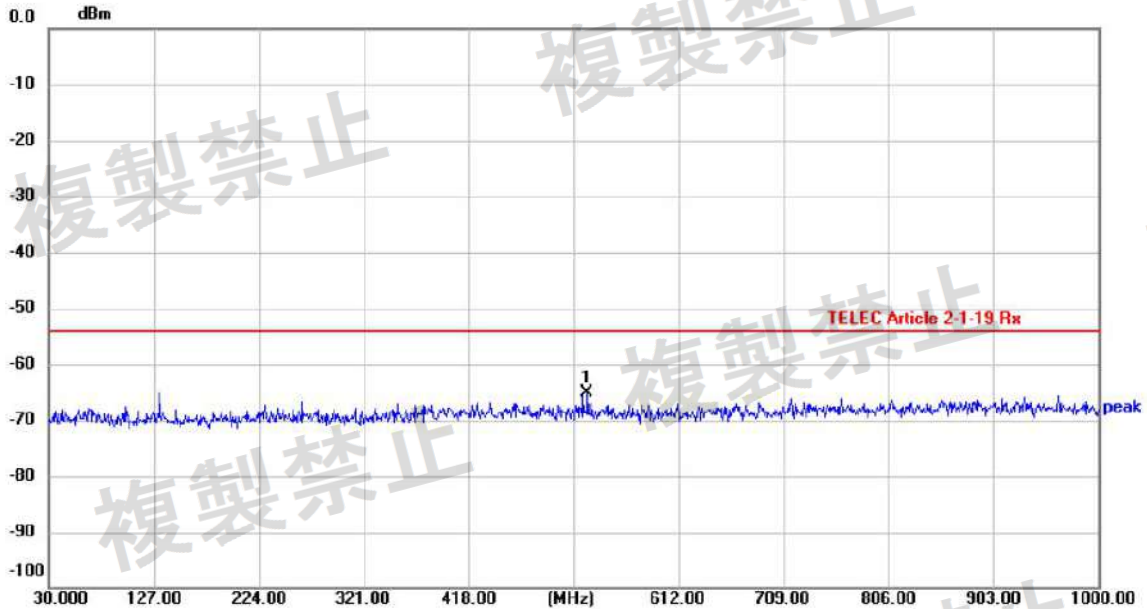
Conducted Emission Measurement

Project No.: 3M

Data :#1

2026/1/28

下午 07:48:55



Site: Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Rx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

M/N:

Mode: RX BT EDR MODE 3M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	527.6100	-75.26	10.04	-65.22	-54.00	-11.22	peak			P	



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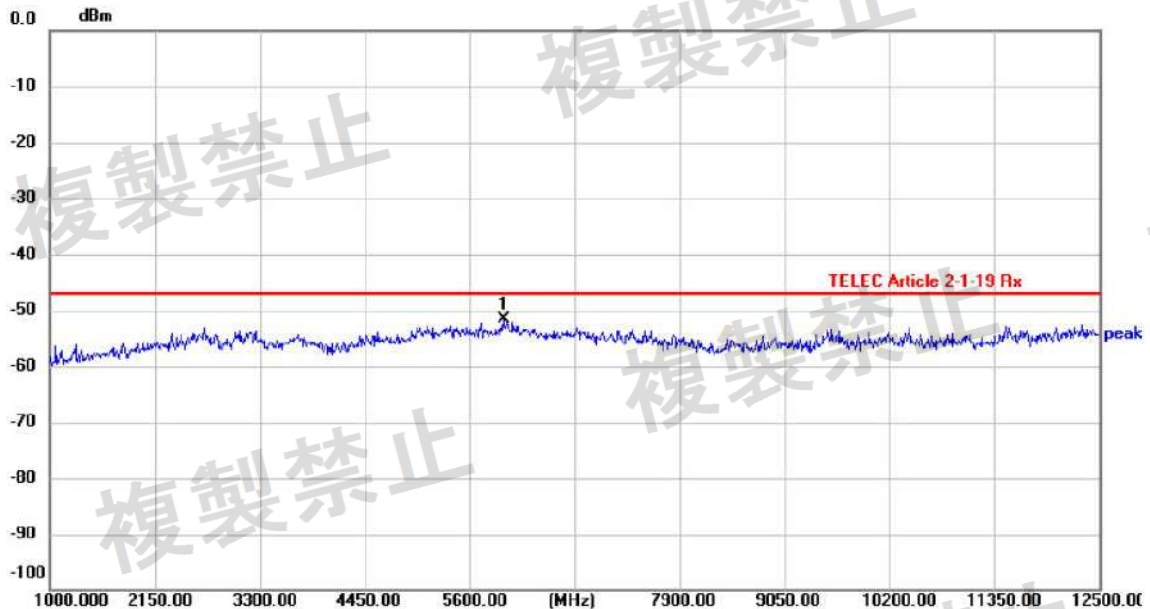
Conducted Emission Measurement

Project No.: 3M

Data :#2

2026/1/28

下午 07:49:05



Site: Chamber 04

Polarization:

Temperature: 21.0 (°C)

Limit: TELEC Article 2-1-19 Rx

Power: 3.4 Vd.c.

Humidity: 59.1 %RH

EUT: W6M22512-24851

Distance:

M/N:

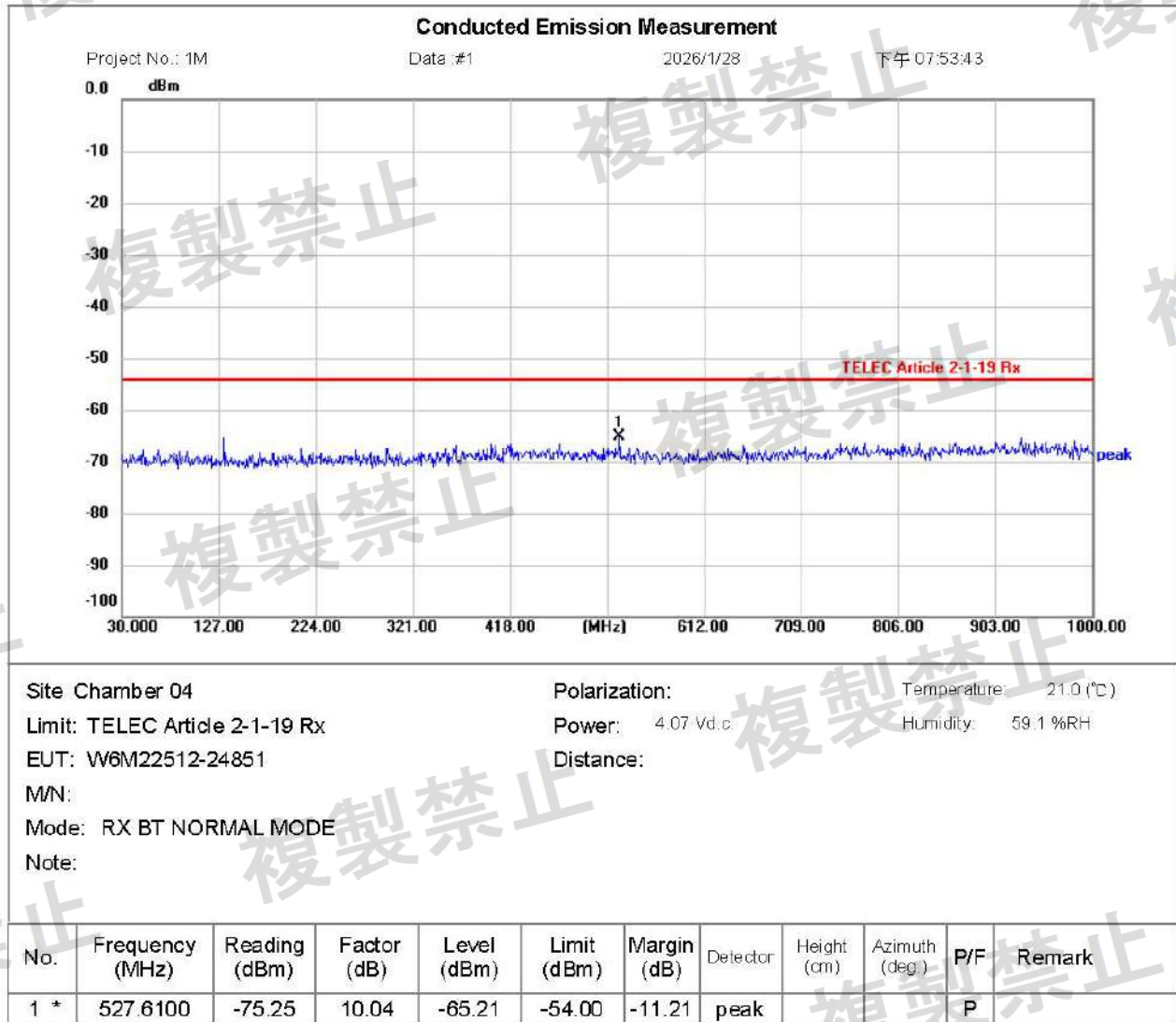
Mode: RX BT EDR MODE 3M

Note:

No.	Frequency (MHz)	Reading (dBm)	Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	5968.000	-62.20	10.62	-51.58	-47.00	-4.58	peak			P	

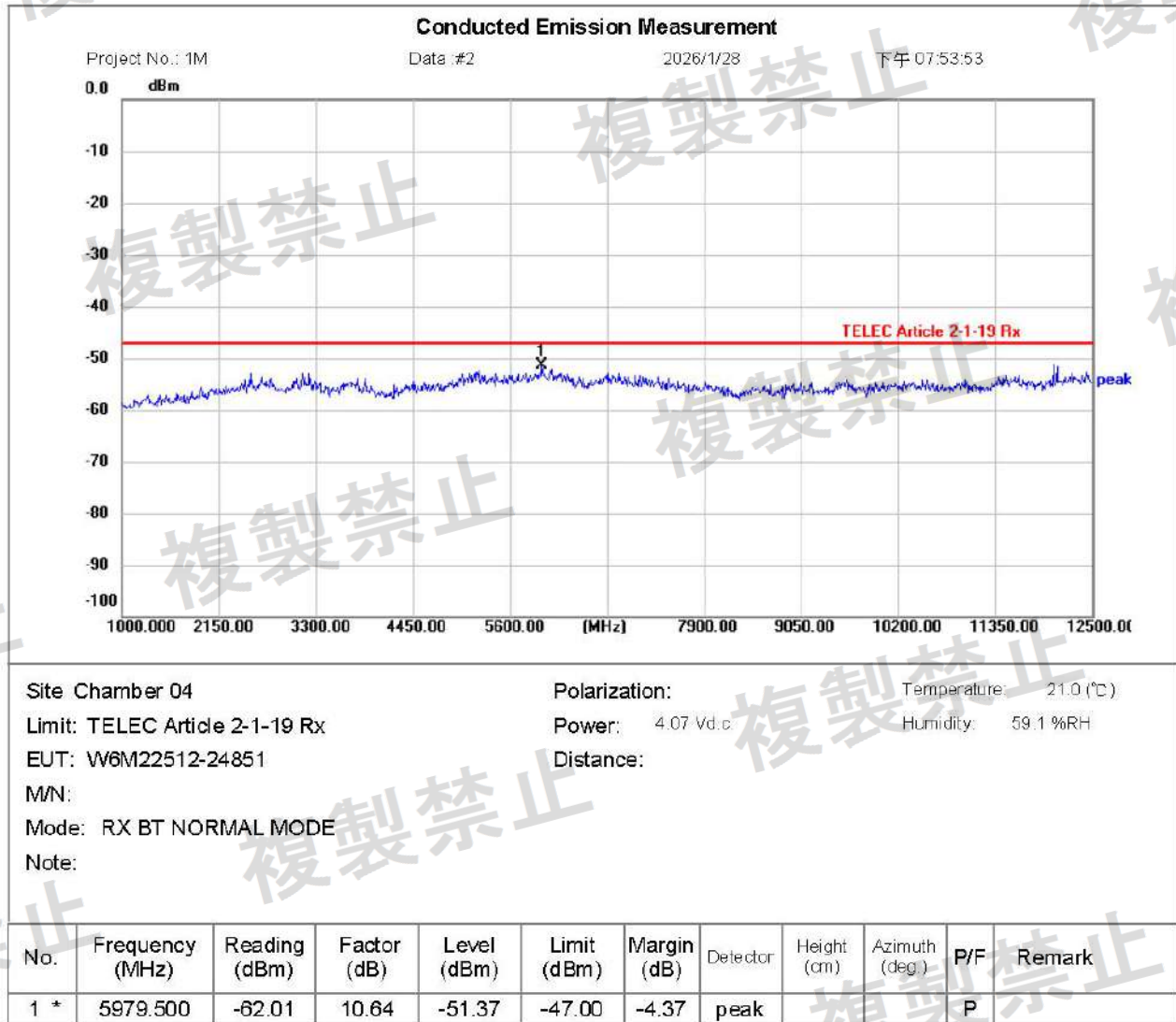


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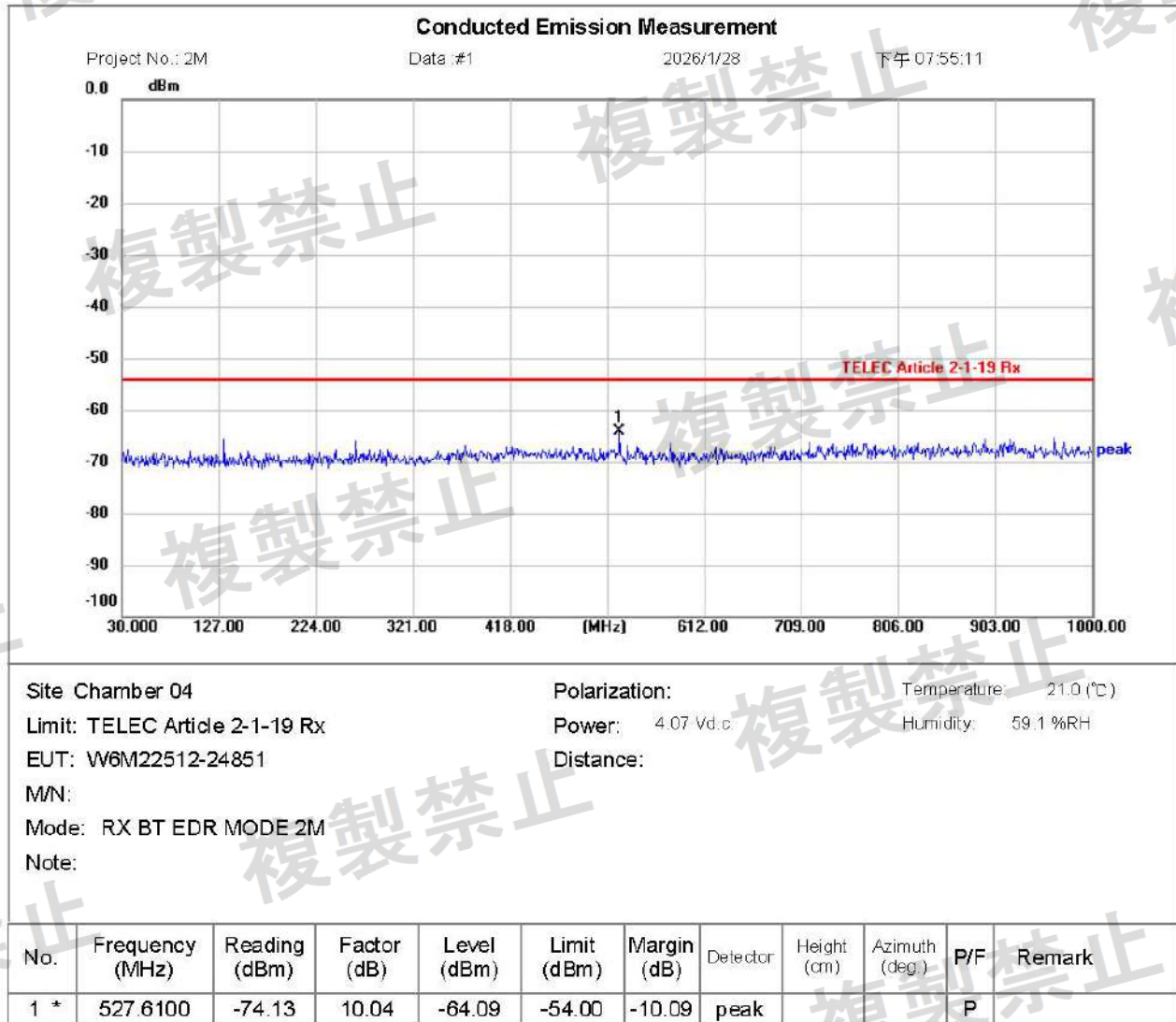


Worldwide Testing Services(Taiwan) Co., Ltd.



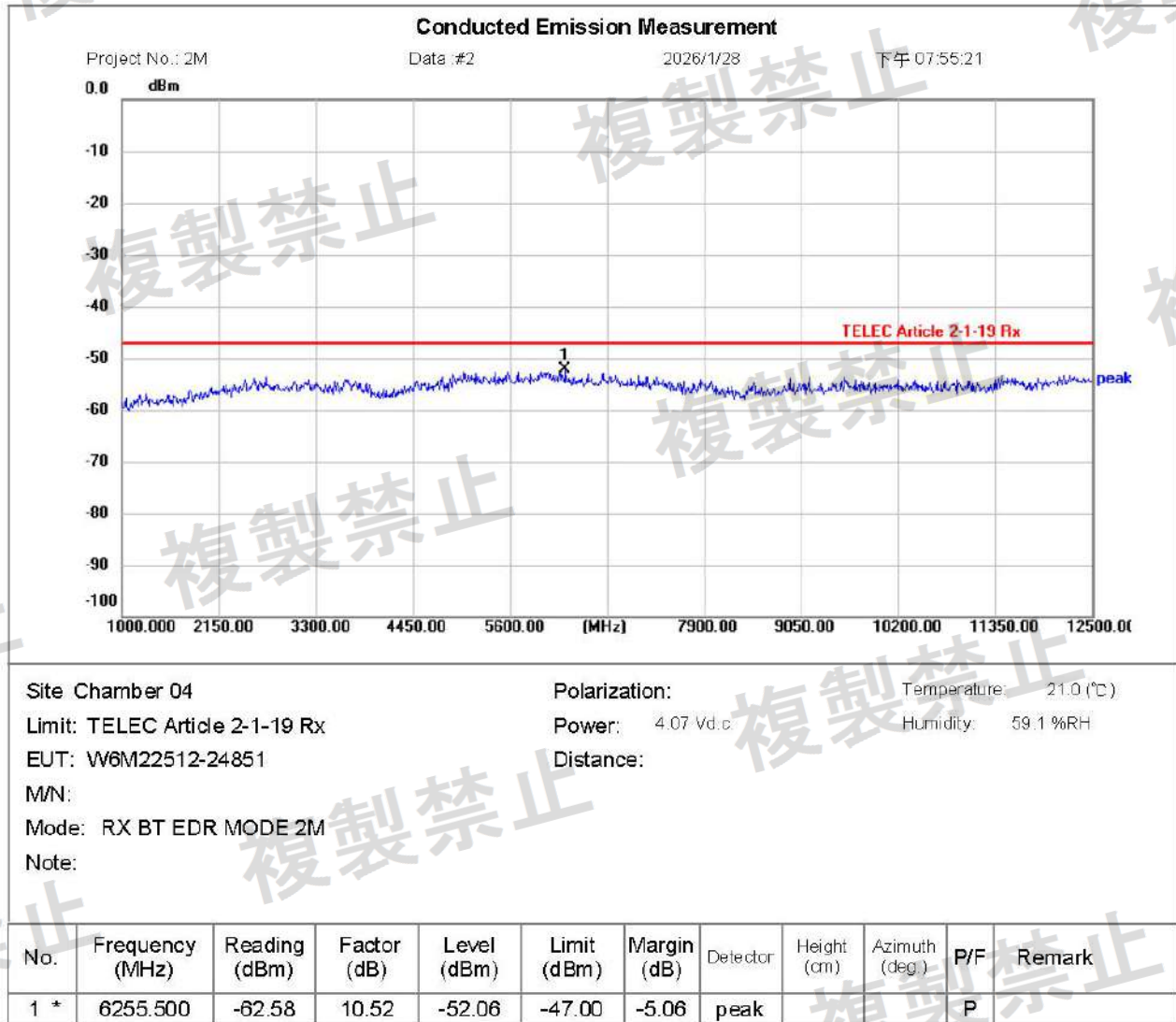


Worldwide Testing Services(Taiwan) Co., Ltd.



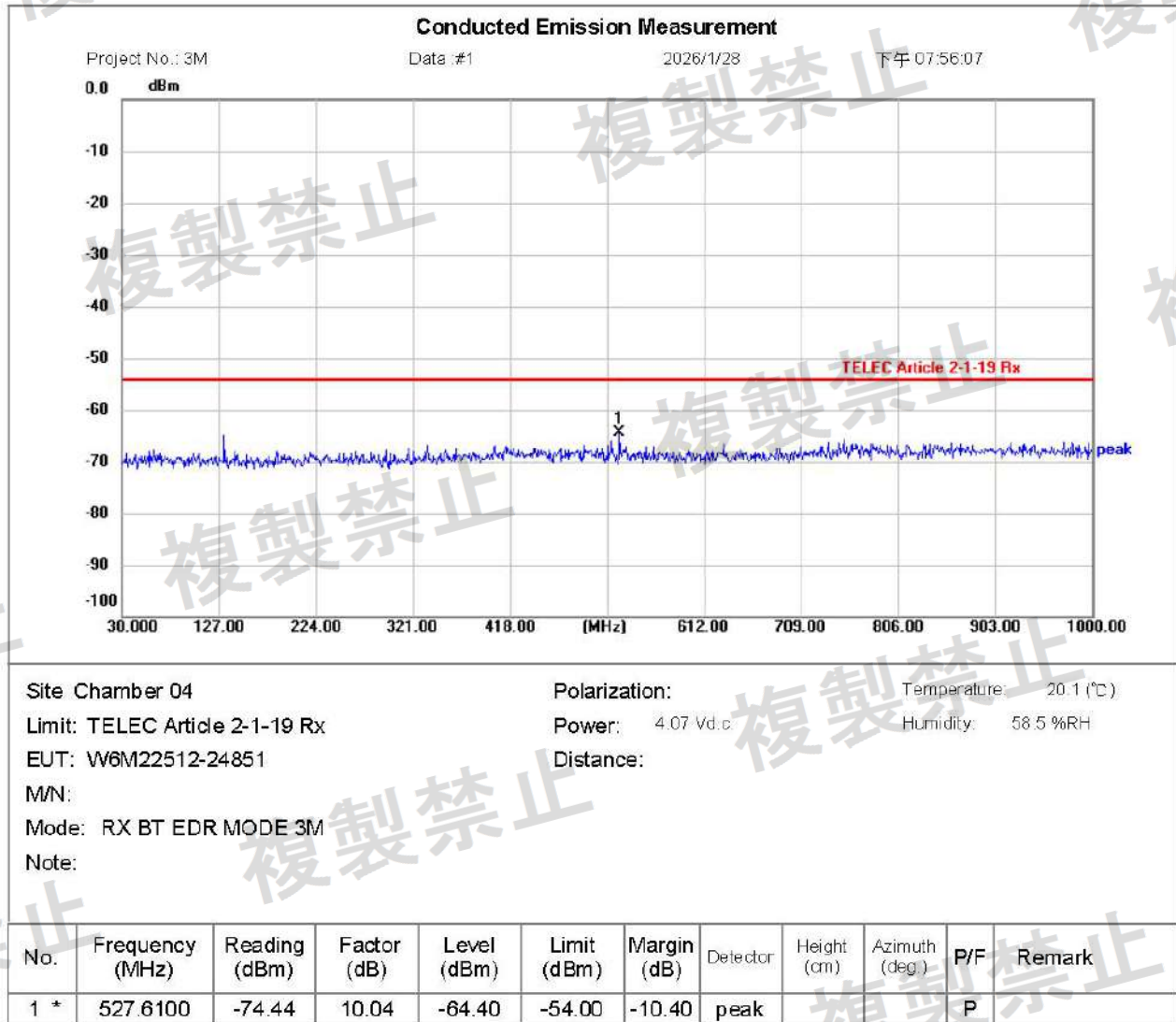


Worldwide Testing Services(Taiwan) Co., Ltd.



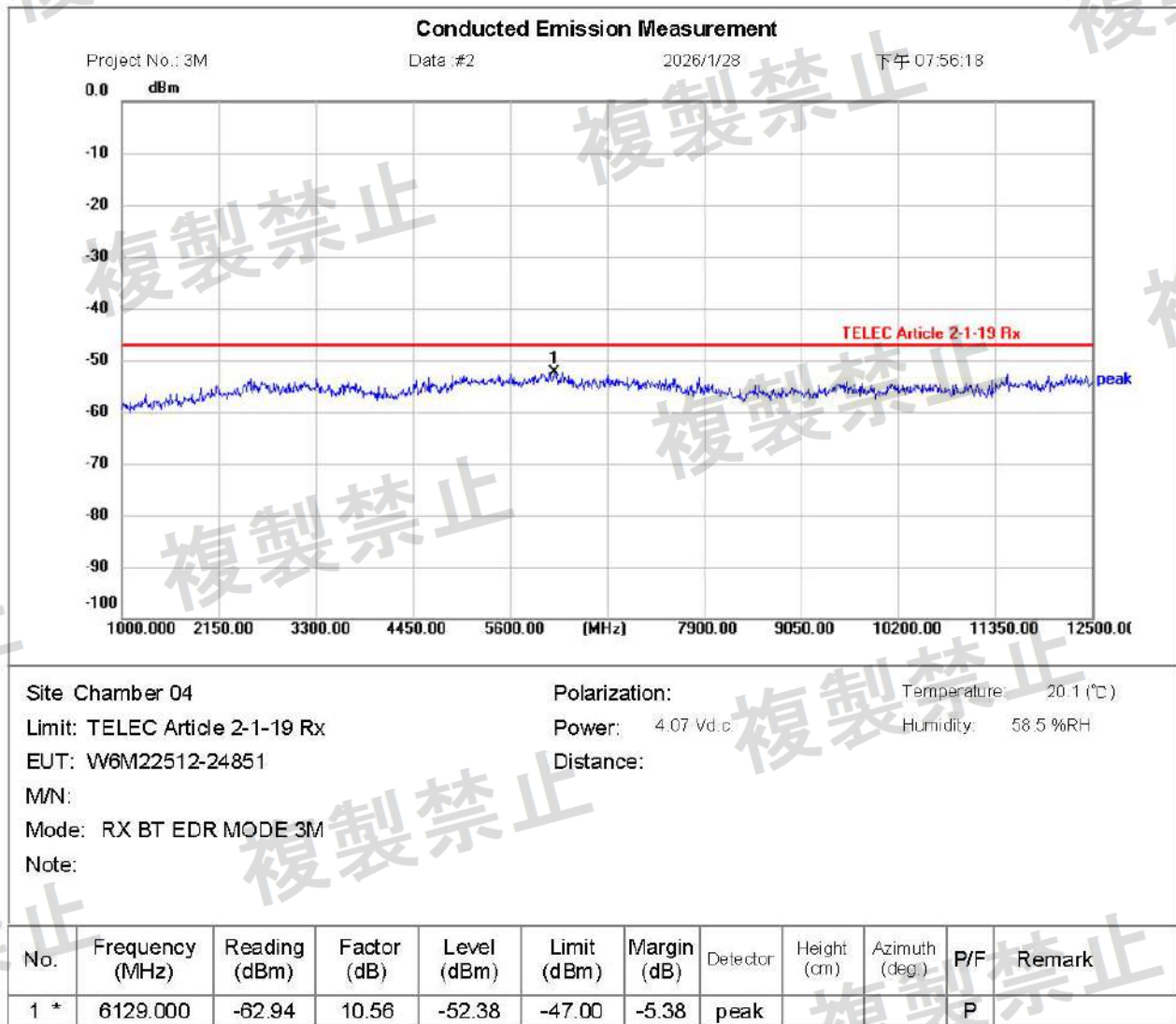


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Explanation: ./.



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Limit:

Receiver operating	0MHz - 1GHz ; 4nW or less 1GHz - 12.5GHz ; 20nW or less
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Note:

30-1000MHz

1. The measurement use RBW = 100 kHz, VBW = 100 kHz
2. The unit is dBm/100kHz 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.

1000-12500MHz

1. The measurement use RBW = 1 MHz, VBW = 1 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.



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3.9 Time of Occupancy (Dwell Time)

Test date: January 28, 2026

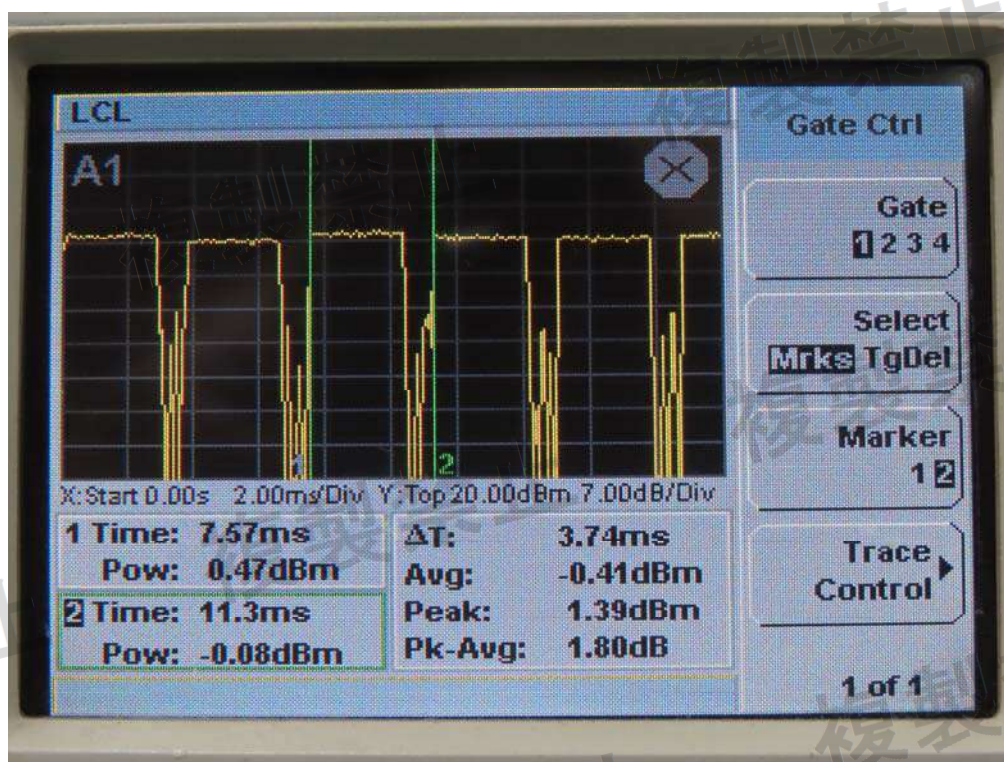
Temperature: 21.0°C

Humidity: 59.1%

Tester: Sky

Test conditions		Operating mode	Measurement period	Time of Occupancy
$T_{nom} = 23^{\circ}C$	Vnom = 3.7Vd.c.	normal transmitting– DH5	28.92	0.2721 s
	Vmin = 3.4Vd.c.			
	Vmax = 4.07Vd.c.			

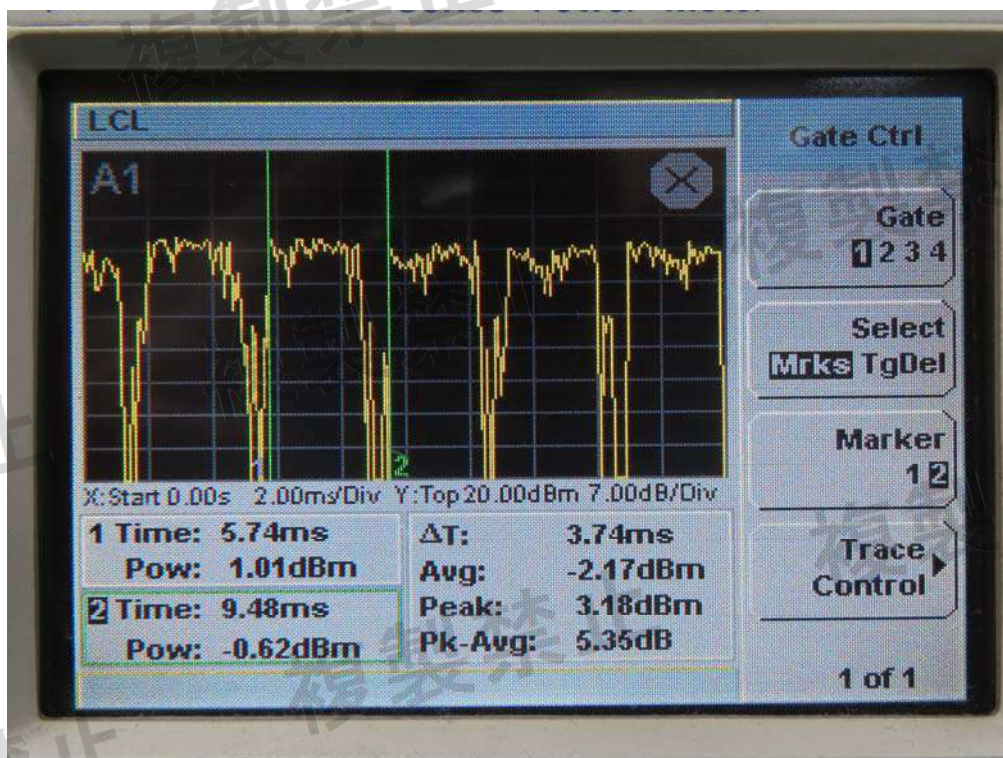
3.7Vd.c.
GFSK



π / 4DQPSK



8DPSK



3.4Vd.c.
GFSK



$\pi / 4$ DQPSK



8DPSK



4.07Vd.c.
GFSK





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π / 4DQPSK



8DPSK





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Note: Measurement period = Spreading Bandwidth (72.307692303 MHz) $\times$ 0.4 seconds = 28.92 sec.

Duty cycle= 2.78 / 3.74 = 0.7433

Dwell time = [spreading rate / 79 channels] $\times$ duty cycle $\times$ 0.4 seconds
= [72.307692303 / 79] $\times$ 0.7433 $\times$ 0.4 = 0.2721

Limits:

Holding time of hopping frequency	≤ 0.4 sec. The total sum of holding time at arbitrary frequencies within the time multiplied 0.4 sec. by the spreading rate.
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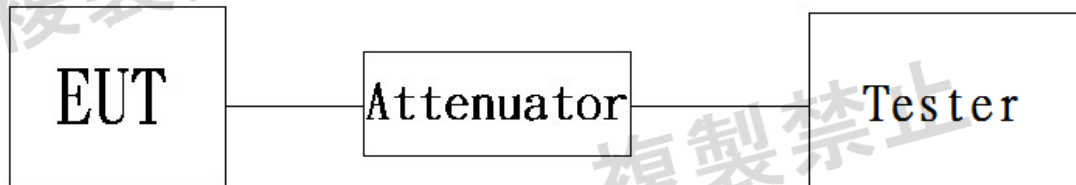


3.10 Interference Prevention Function

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.



Appendix

Photos

1. External Photos
2. Internal Photos