



CTC Laboratories, Inc.

TEST REPORT

Report No. : **CTC2026084003**

Applicant : **EVELAB INSIGHT(SINGAPORE)PTE.LTD**

Address : Raffles Place, #26-01 Republic Plaza, Singapore 048619

Manufacturer : Xiamen MeituEve Technology Co., Ltd.

Address : Room 568, No.942, Tonglong 2nd Road, Gaoxin District
(Xiang'an) Industries, Xiamen, China

Product Name : **EveLab Insight Eve Key**

Trade Mark : EveLab Insight

Model/Type reference : MS2201

Listed Model(s) : /

Standard : **Article 2, Paragraph 1, Item 19**

Test Report Form No : CTC-TR-070_A3

Master TRF : Dated 2026-01-01

Date of receipt of test sample : Feb. 11, 2026

Date of testing : Feb. 11, 2026 ~ Mar. 12, 2026

Date of issue : Mar. 30, 2026

Result : **PASS**

Compiled by:

(Printed name + signature)

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Alicia Liu

Supervised by:

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Eric Zhang

Approved by:

(Printed name + signature)

Totti Zhao

Totti Zhao

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CTC Laboratories, Inc.

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1. SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

[Test method which is equal to Appendix No.43 of MIC Notification No 88.](#)

1.2. Report version

Revised No.	Report No.	Date of issue	Description
01	CTC2026084003	Mar. 30, 2026	Original

1.3. Test Description

MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19 Rules Section	Test Item	Result	Note
3	Frequency Error	Pass	/
4	Occupied Bandwidth and Spreading Bandwidth	Pass	/
5	Transmitter Spurious Emission and Unwanted Emission Intensity	Pass	/
6	Antenna Output Power and Output Power Tolerance	Pass	/
7	Receiver Spurious Emission and Unwanted Emission Intensity	Pass	/
8	Radio Interference Prevention Capability	Pass	/
9	Frequency Hopping Dwell Time	N/A Note 1	N/A
10	Carrier Sense Capability	N/A Note 1	N/A
11	Construction Protection Confirmation	Pass	/
12	Transmission Radiation Angle Width (3dB Beamwidth)	Pass	/

N/A_{Note 1}: Testing is only required OFDM system with occupied frequency bandwidth below 38MHz and exceed 26MHz.



1.4. Test Facility

Address of the test laboratory

CTC Laboratories, Inc.

Add: Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhuhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No.: 4340.01

CTC Laboratories, Inc. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

Industry Canada (Registration No.: 9783A, CAB Identifier: CN0029)

CTC Laboratories, Inc. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

FCC (Registration No.: 951311, Designation Number CN1208)

CTC Laboratories, Inc. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 951311, Aug 26, 2017.

1.5. Measurement Uncertainty

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR100028-1 [2] and shall correspond to an expansion factor (coverage factor) $K=1.96$ or $K=2$ (which provide confidence levels of respectively 95% and 95.5% in the case where the distributions characterizing the actual measurement uncertainties are normal).

Parameter	Uncertainty
RF frequency	$\pm 6 \times 10^{-7}$
Total RF power, conducted	$\pm 0.8\text{dB}$
Spurious emissions, conducted	$\pm 0.8\text{dB}$
DC and low frequency voltages	$\pm 3\%$
Humidity	$\pm 5\%$
Temperature	$\pm 1^\circ\text{C}$



2. GENERAL INFORMATION

2.1. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Voltage	Normal Voltage	DC 3.70V
	High Voltage	DC 4.07V
	Low Voltage	DC 3.33V
Other	Normal Temperature/T _{nor} :	23°C
	Relative Humidity	57 %
	Air Pressure	101kPa

2.2. Client Information

Applicant:	EVELAB INSIGHT(SINGAPORE)PTE.LTD
Address:	Raffles Place, #26-01 Republic Plaza, Singapore 048619
Manufacturer:	Xiamen MeituEve Technology Co., Ltd.
Address:	Room 568, No.942, Tonglong 2nd Road, Gaoxin District (Xiang'an) Industries, Xiamen, China
Factory:	Kingtronics Smart Industrial Interconnection Networking (Fujian) Co.,Ltd.
Address:	NO.20 Longchi Avenue, Longchi Industrial Park, Taiwanese Investment Zone, Zhangzhou, Fujian, 363107, China



2.3. General Description of EUT

Product Name:	EveLab Insight Eve Key
Trade Mark:	EveLab Insight
Model/Type reference:	MS2201
Listed Model(s):	/
Model Different:	/
Sample ID:	CTC-GC260127-006-S057
Power supply:	Type-C Input: 5V $\overline{\text{---}}$ 1A Battery: 3.7V, 1000mAh
Hardware version:	1.0
Software version:	1.0
Supported type:	802.11b/ 802.11g/ 802.11n(HT20) / 802.11n(HT40)
Modulation:	802.11b: DSSS 802.11g/ 802.11n(HT20) / 802.11n(HT40): OFDM
Operation frequency:	802.11b/ 802.11g/ 802.11n(HT20): 2412MHz~2472MHz 802.11n(HT40): 2422MHz~2462MHz
Channel number:	802.11b/ 802.11g/ 802.11n(HT20): 13 802.11n(HT40): 9
Antenna 0&1 type:	FPC Antenna
Antenna 0 gain:	2dBi
Antenna 1 gain:	2dBi

Supported type	Antenna Configuration	Note
802.11b	SISO	Uses 1 antenna for transmission and reception.
802.11g	SISO	Uses 1 antenna for transmission and reception.
802.11n (HT20)	2x2 MIMO	Uses 2 antennas for spatial multiplexing.
802.11n (HT40)	2x2 MIMO	Uses 2 antennas for spatial multiplexing.

Note: The device is equipped with dual antennas. The configuration dynamically switches between SISO and 2x2 MIMO based on the active wireless protocol and mode.



2.4. Description of Test Modes

The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency List 2.4G Band WIFI:

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	12	2467
6	2437	13	2472
7	2442		

Note: The 802.11b/802.11g/802.11n(HT20) were selected 1/7/13 channel to perform the test, 802.11n(HT40) were selected 3/7/11 channel to perform the test.

Operation Mode:

802.11b	IEEE 802.11b with data rate of 1Mbps
802.11g	IEEE 802.11g with data rate of 6Mbps
802.11n(HT20)	IEEE 802.11n20 with data rate of MSC0 for bandwidth 20MHz
802.11n(HT40)	IEEE 802.11n40 with data rate of MSC0 for bandwidth 40MHz



2.5. Measurement Instruments List

RF Test System - SRD							
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until	Calibrated By
1	Spectrum Analyzer	R&S	FSV40-N	101654	Dec. 13, 2025	Dec. 12, 2026	CCIC
2	Test Software	JS1120-3	Tonscend	V3.3.38	/	/	/
3	Multimeter	FLUKE	15B+	58631762WS	Oct. 12, 2025	Oct. 11, 2026	CCIC
4	DC source	Agilent	E3642A	MY40005783	Oct. 12, 2025	Oct. 11, 2026	CCIC
5	USB Wideband Power Sensor	Keysight	U2021XA	MY55130006	Mar. 25, 2025	Mar. 24, 2026	CCIC
6	6dB Attenuator	N/A	100W/6dB	N/A	Dec. 13, 2025	Dec. 12, 2026	CCIC

Note: 1. Calibration conducted in foreign countries, which is equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1)

2. Full name of CCIC: CCIC (Shenzhen) Metrology & Testing Service Co.,Ltd



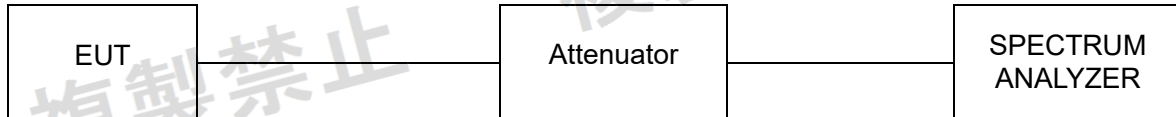
3. TEST CONDITIONS AND RESULTS

3.1. Frequency Error

LIMIT

±50ppm

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: No modulation

Spectrum Condition:

Frequency: Test frequency

Span: Show the entire waveform

RBW: 10 kHz

VBW: 10 kHz

Sweep time: Auto

Detector mode: Peak

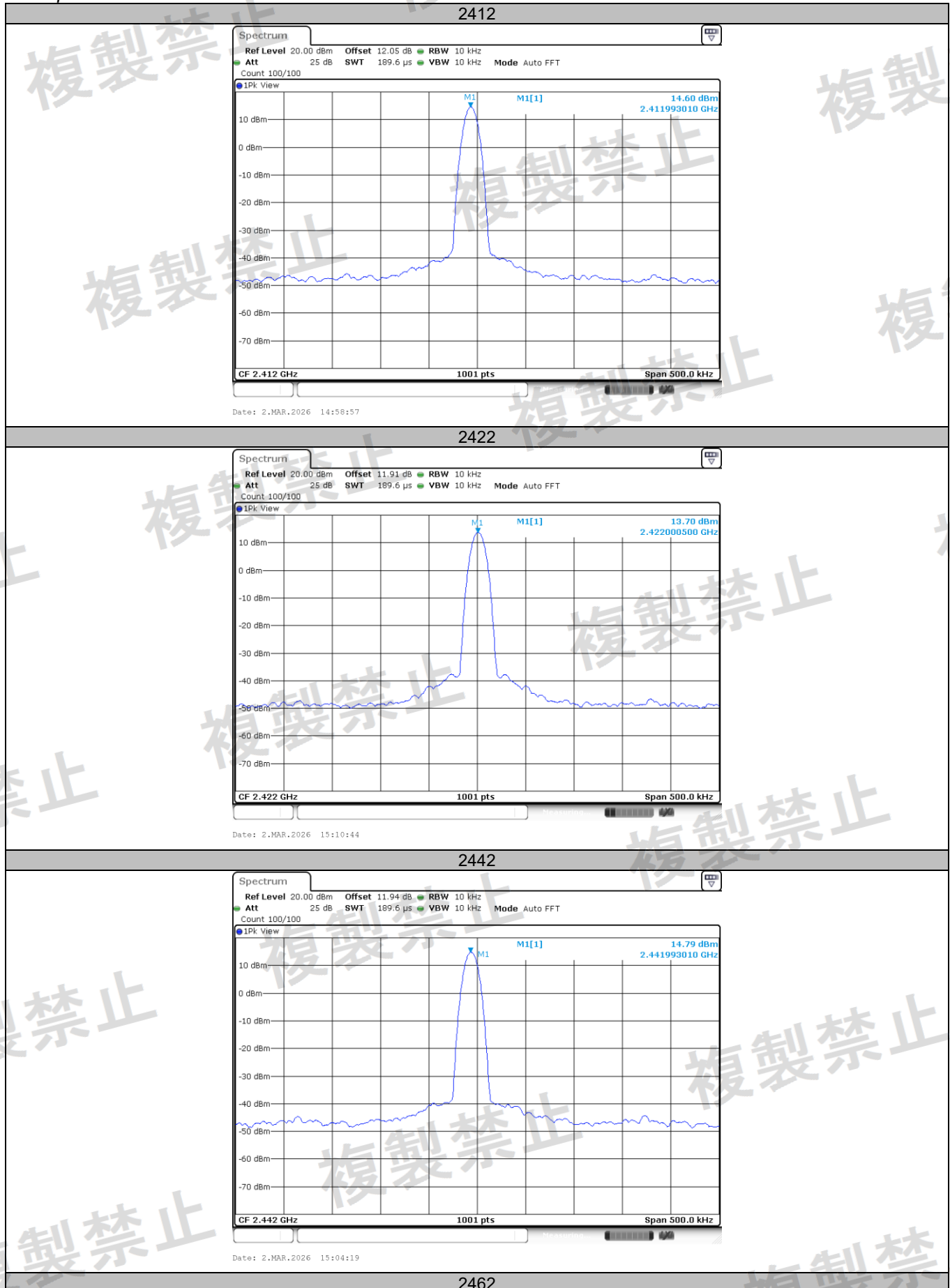
Indication mode: Max hold

TEST RESULTS

DC 3.7V				
Freq (MHz)	Read [MHz]	Result[ppm]	Limit[ppm]	Verdict
2412	2411.99301	-2.89801	±50	PASS
2422	2422.00050	0.20644	±50	PASS
2442	2441.99301	-2.86241	±50	PASS
2462	2462.00050	0.20309	±50	PASS
2472	2472.00150	0.60680	±50	PASS



Test plot as follows:



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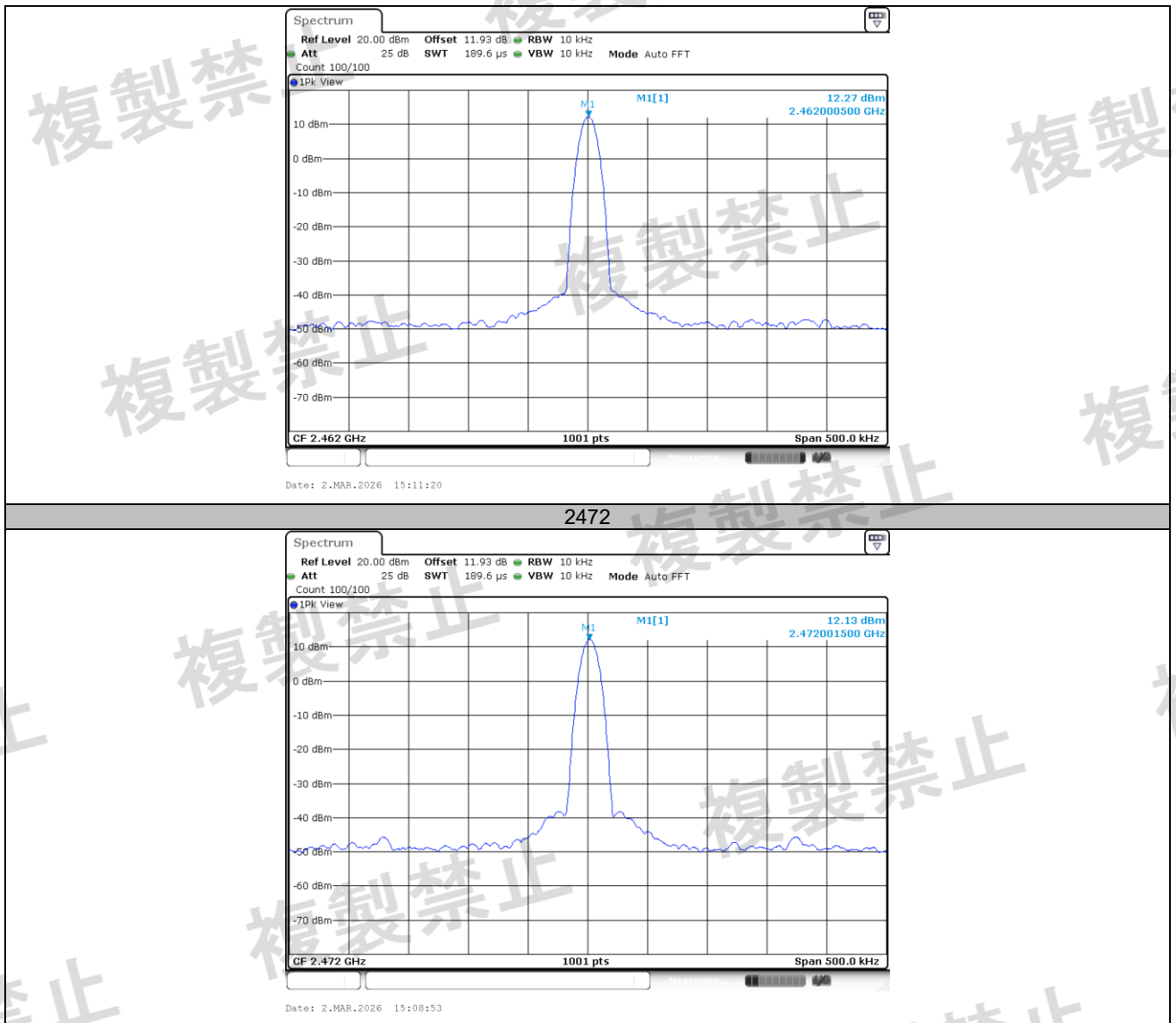
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

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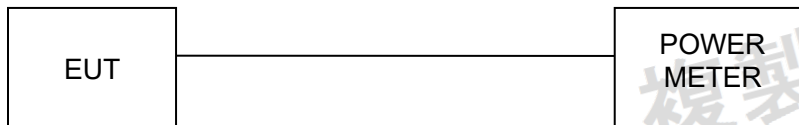
3.2. Antenna Power

LIMIT

Spread Spectrum Method	FHSS (Compound method with DSSS or OFDM)		DSSS	OFDM		Other method (Except SS & OFDM)
Frequency Range	2427 - 2470.75 MHz	2400 – 2483.5 MHz (except 2427 - 2470.75MHz)	2400 - 2483.5 MHz			
Frequency Tolerance	± 50ppm					
Antenna Power	3mW/MHz or less	10mW/MHz or less	10mW/MHz or less	10mW/MHz or less	5mW/MHz or less	10mW or less
	When an E.I.R.P. is less than 2.14dBi + antenna power limit, the shortage can be compensated for by the antenna power. (Application to transmitting devices using "Other method" is limited to "GFSK")					

The Output Power Tolerance must be within < +20%.

TEST CONFIGURATION



TEST PROCEDURE

- 1.The maximum conducted output power may be measured using a broadband Peak RF power meter.
- 2.Peak power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor.
- 3.The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.
- 4.Record the measurement data.

**TEST RESULTS**

DC 3.7V										
Mode	Antenna	Channel (MHz)	Output power (mW/MHz)	Limit (mW/MHz)	EIRP Power (dBm)	Limit (dBm)	Rated output power (mW/MHz)	Tolerance (%)	Limit	Result
802.11b	Ant0	2412	5.3580	10.0	9.29	12.14	9.0	-40.47	< +20	Pass
	Ant1	2412	8.1096	10.0	11.09	12.14	9.0	-9.89		
	Ant0	2442	6.2951	10.0	9.99	12.14	9.0	-30.05		
	Ant1	2442	8.7297	10.0	11.41	12.14	9.0	-3.00		
	Ant0	2472	5.5208	10.0	9.42	12.14	9.0	-38.66		
	Ant1	2472	7.7090	10.0	10.87	12.14	9.0	-14.34		
802.11g	Ant0	2412	2.0417	10.0	5.1	12.14	3.0	-31.94		
	Ant1	2412	2.8249	10.0	6.51	12.14	3.0	-5.84		
	Ant0	2442	2.1878	10.0	5.4	12.14	3.0	-27.07		
	Ant1	2442	2.9875	10.0	6.79	12.14	3.0	-0.04		
	Ant0	2472	2.0893	10.0	5.2	12.14	3.0	-30.36		
	Ant1	2472	2.9580	10.0	6.71	12.14	3.0	-1.40		
802.11n (HT20)	Ant0	2412	1.6982	10.0	4.3	12.14	1.5	13.21		
	Ant1	2412	2.5410	10.0	6.05	12.14	2.5	1.64		
	MIMO	2412	4.2392	10.0	8.27	12.14	4.5	-5.80		
	Ant0	2442	1.5812	10.0	3.99	12.14	1.5	5.41		
	Ant1	2442	2.5119	10.0	6	12.14	2.5	0.48		
	MIMO	2442	4.0931	10.0	8.12	12.14	4.5	-9.04		
	Ant0	2472	1.5171	10.0	3.81	12.14	1.5	1.14		
	Ant1	2472	2.1086	10.0	5.24	12.14	2.5	-15.66		
	MIMO	2472	3.6257	10.0	7.59	12.14	4.5	-19.43		
802.11n (HT40)	Ant0	2422	0.7047	5.0	0.48	12.14	1.0	-29.53		
	Ant1	2422	1.4060	5.0	3.48	12.14	1.5	-6.27		
	MIMO	2422	2.1107	5.0	5.24	12.14	2.5	-15.57		
	Ant0	2442	0.7244	5.0	0.6	12.14	1.0	-27.56		
	Ant1	2442	1.3092	5.0	3.17	12.14	1.5	-12.72		
	MIMO	2442	2.0336	5.0	5.08	12.14	2.5	-18.66		
	Ant0	2462	0.5675	5.0	-0.46	12.14	1.0	-43.25		
	Ant1	2462	0.9886	5.0	1.95	12.14	1.5	-34.09		
	MIMO	2462	1.5561	5.0	3.92	12.14	2.5	-37.76		

Note: MIMO = (Ant0 + Ant1); The EIRP limit is 12.14dBm(16.37mW).

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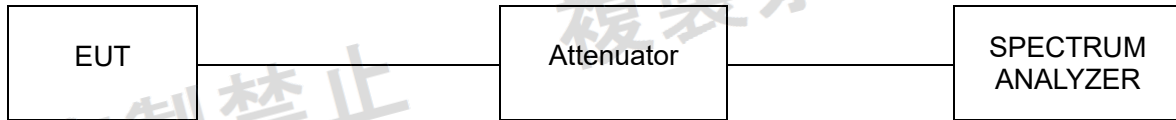


3.3. Occupied Bandwidth

LIMIT

- Occupied bandwidth: FH $\leq$ 83.5 MHz; OFDM $\leq$ 38MHz; DS $\leq$ 26 MHz

TEST CONFIGURATION



TEST PROCEDURE

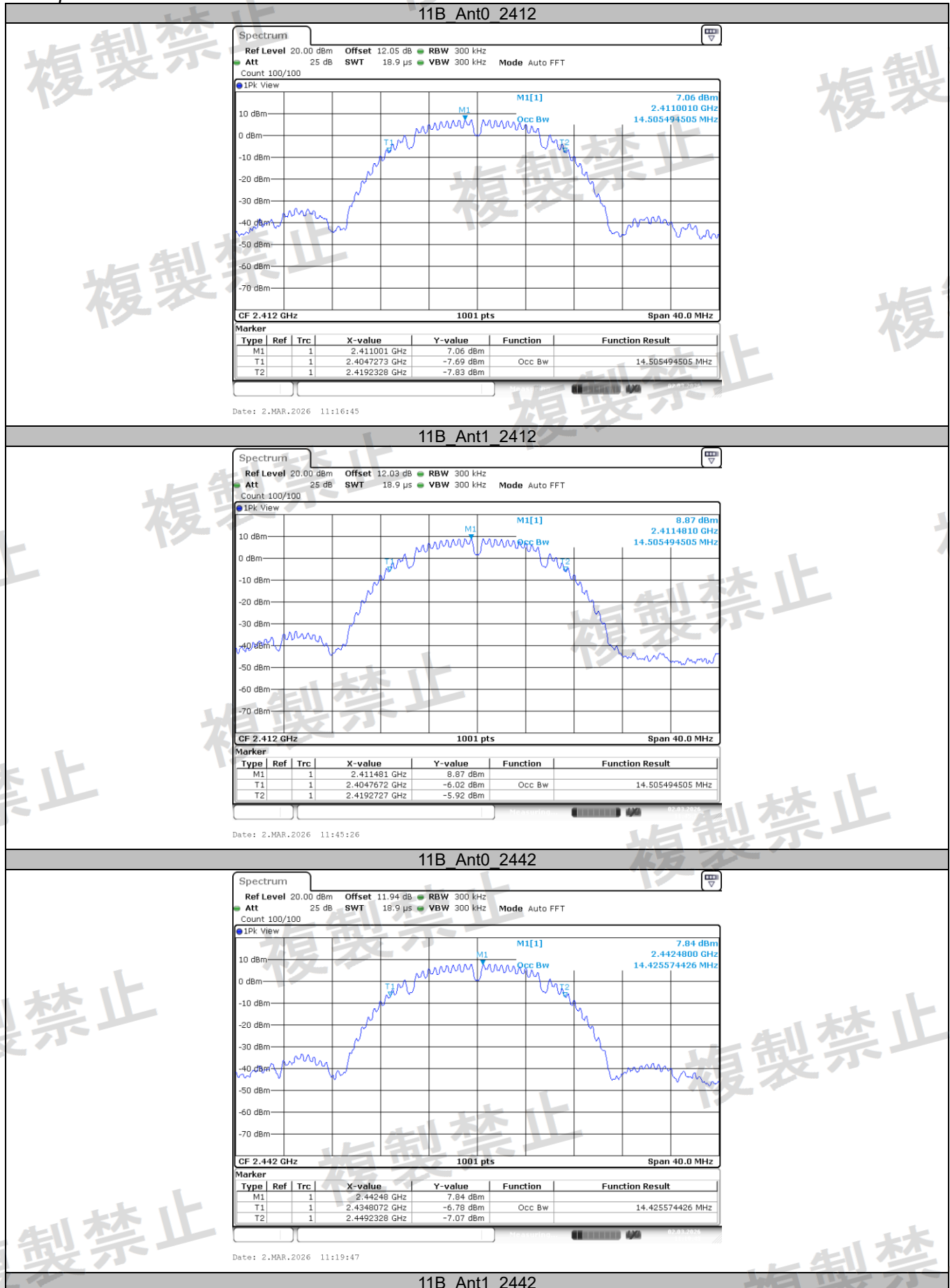
1. Setting of SA is following as follow:
RBW: 300 kHz
VBW: 300 kHz
Sweep time: Auto
Sweep Mode: Continuous sweep
Detect mode: Peak
Trace mode: Max hold
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth.

**TEST RESULTS**

Test voltage (V)	Test Mode	Antenna	Freq. [MHz]	Result [MHz]	Limit [MHz]	Verdict
DC 3.7V	802.11b	Ant0	2412	14.505	≤26	PASS
		Ant1	2412	14.505	≤26	PASS
		Ant0	2442	14.426	≤26	PASS
		Ant1	2442	14.505	≤26	PASS
		Ant0	2472	14.466	≤26	PASS
		Ant1	2472	14.545	≤26	PASS
	802.11g	Ant0	2412	16.304	≤26	PASS
		Ant1	2412	16.264	≤38	PASS
		Ant0	2442	16.264	≤38	PASS
		Ant1	2442	16.304	≤38	PASS
		Ant0	2472	16.264	≤38	PASS
		Ant1	2472	16.264	≤38	PASS
	802.11n(HT20)	Ant0	2412	17.383	≤38	PASS
		Ant1	2412	17.183	≤38	PASS
		Ant0	2442	17.423	≤38	PASS
		Ant1	2442	17.542	≤38	PASS
		Ant0	2472	17.383	≤38	PASS
		Ant1	2472	17.343	≤38	PASS
	802.11n(HT40)	Ant0	2422	35.804	≤38	PASS
		Ant1	2422	33.806	≤38	PASS
		Ant0	2442	35.884	≤38	PASS
		Ant1	2442	35.884	≤38	PASS
		Ant0	2462	35.724	≤38	PASS
		Ant1	2462	36.204	≤38	PASS



Test plot as follows:



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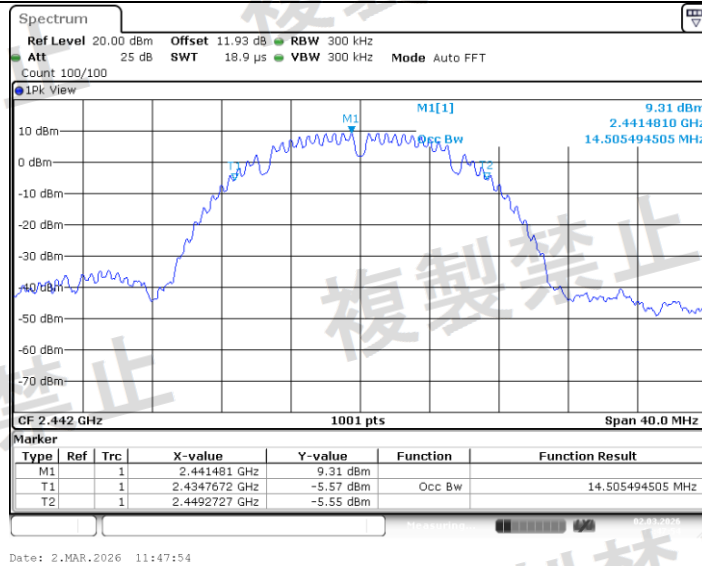
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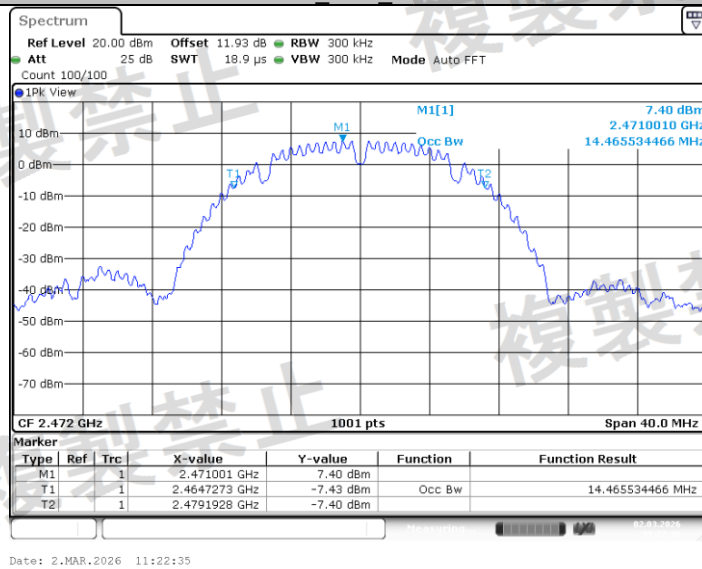
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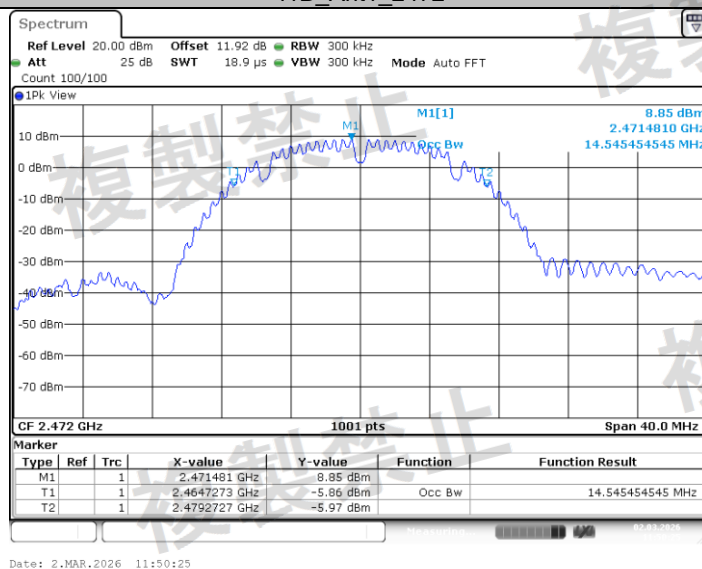
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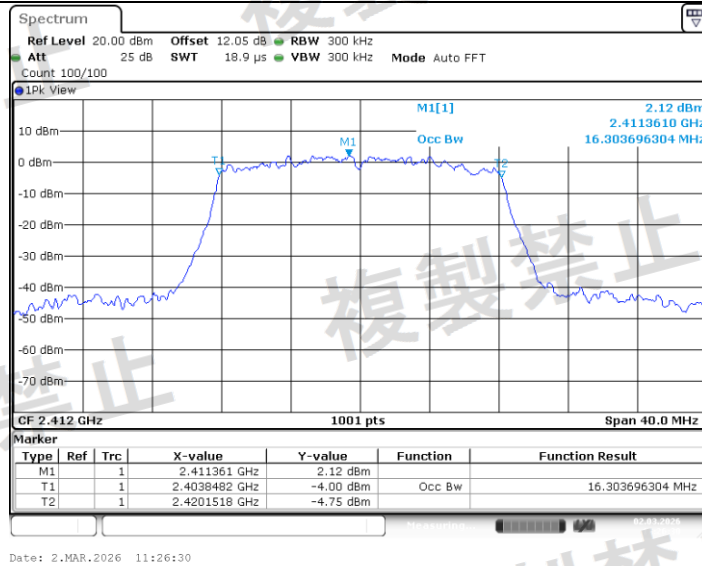
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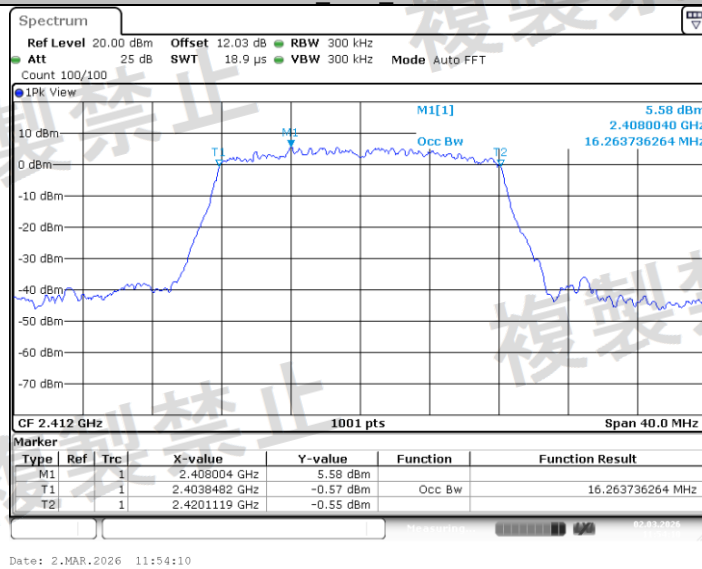
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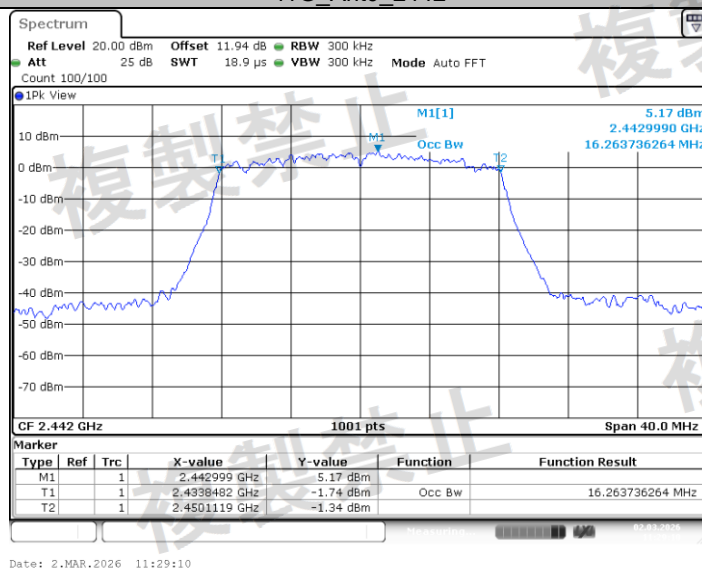
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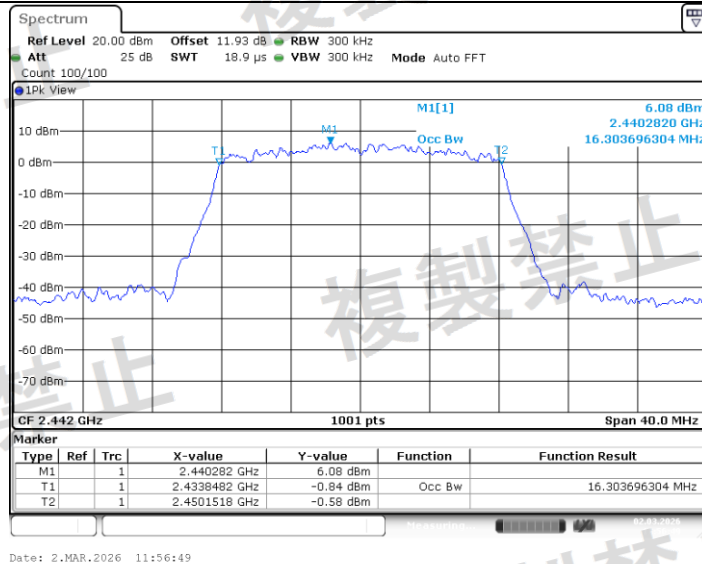
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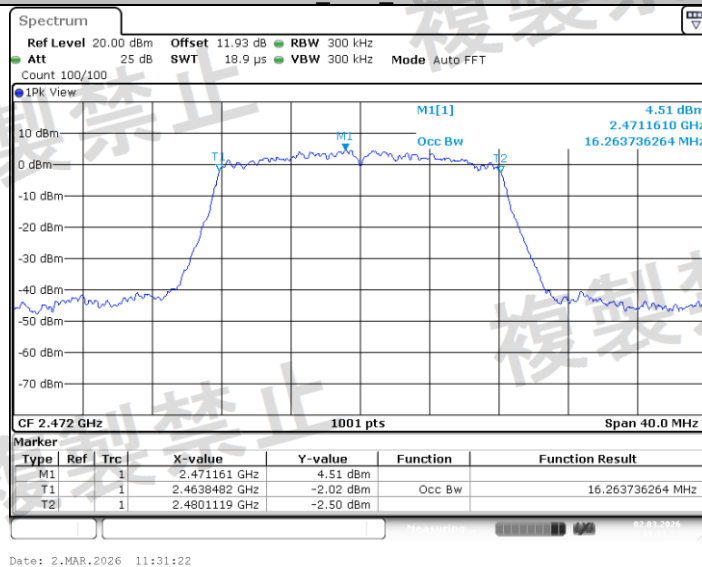
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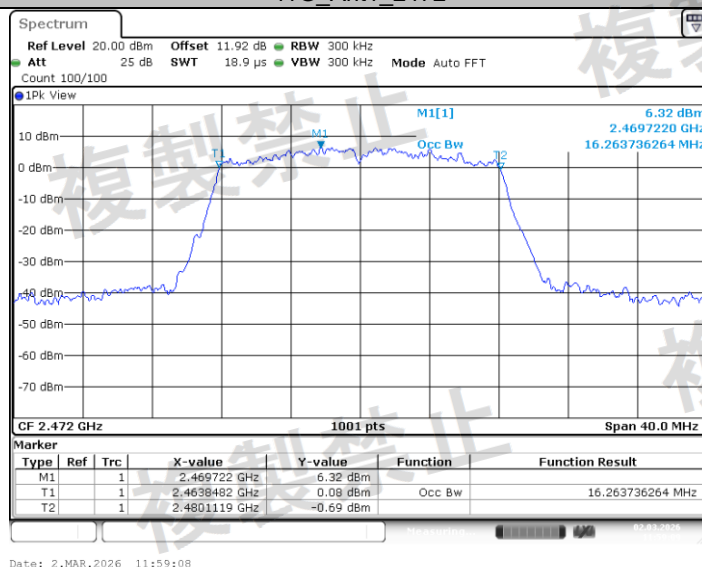
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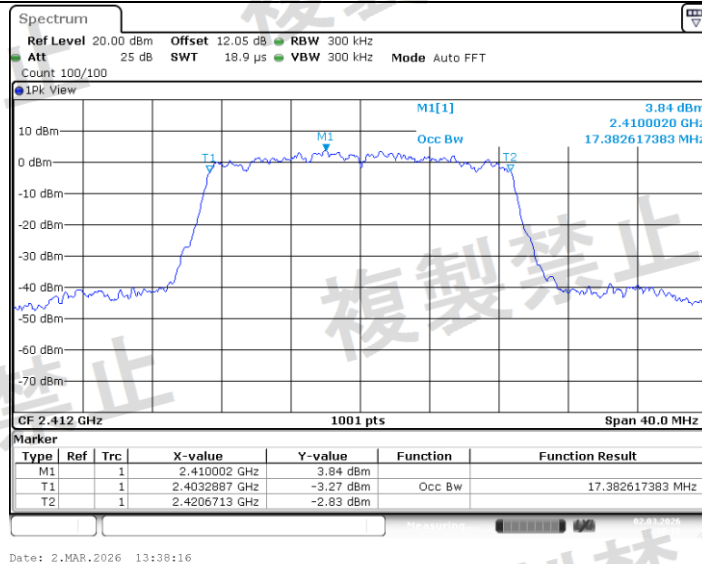
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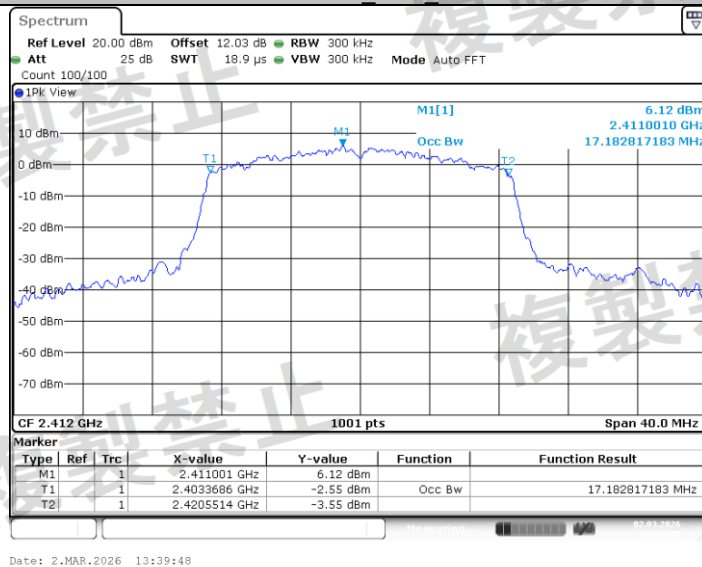
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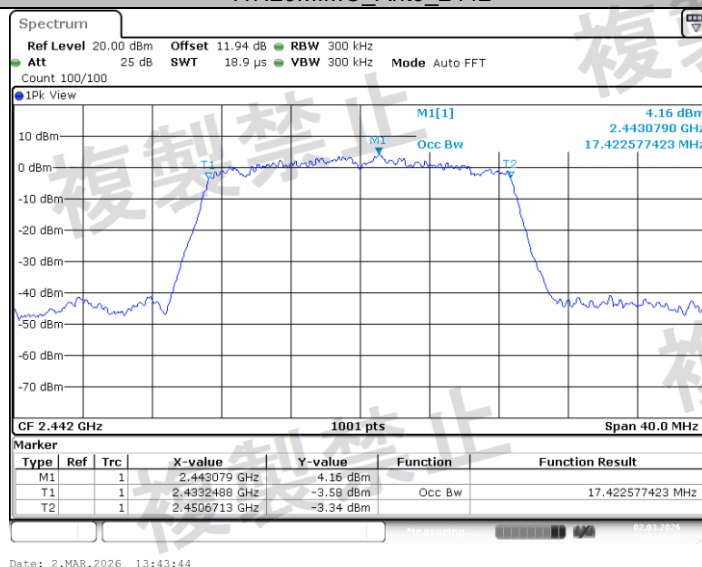
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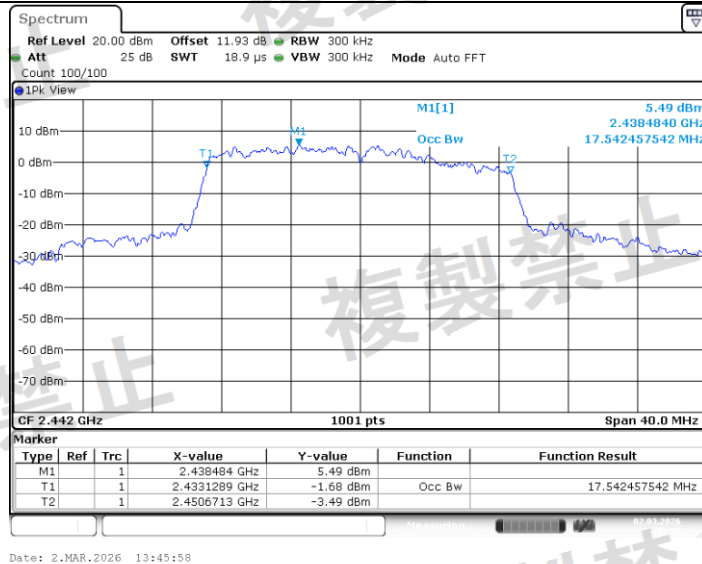
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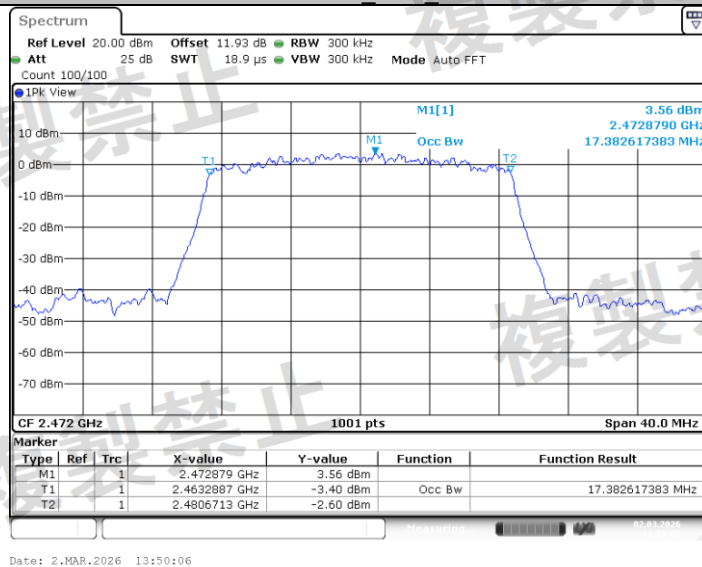
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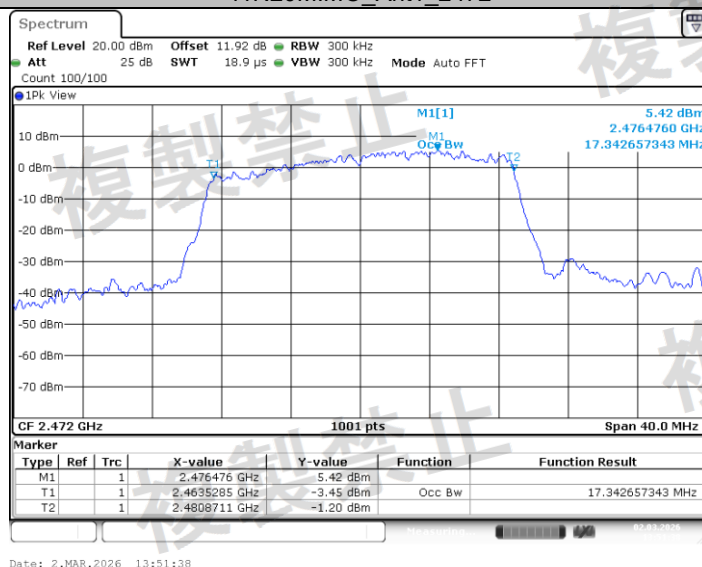
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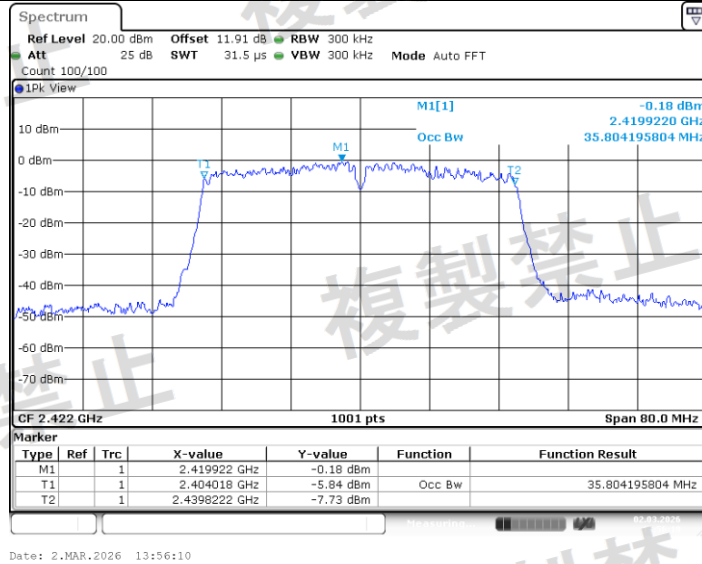
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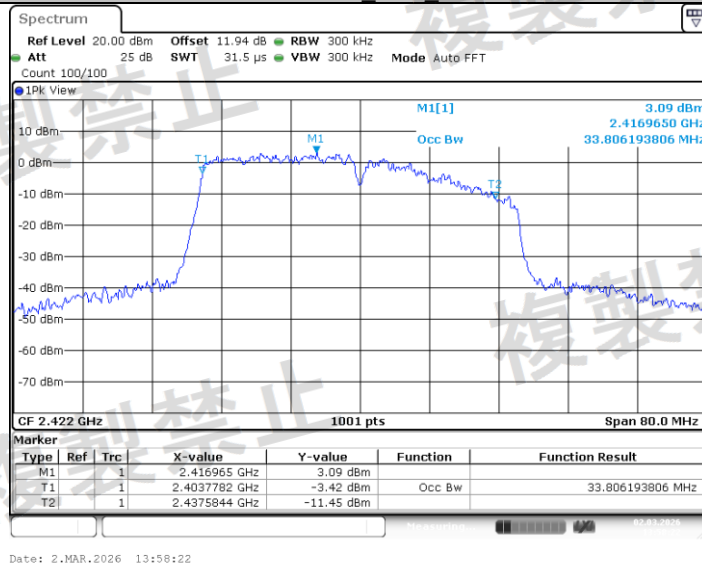
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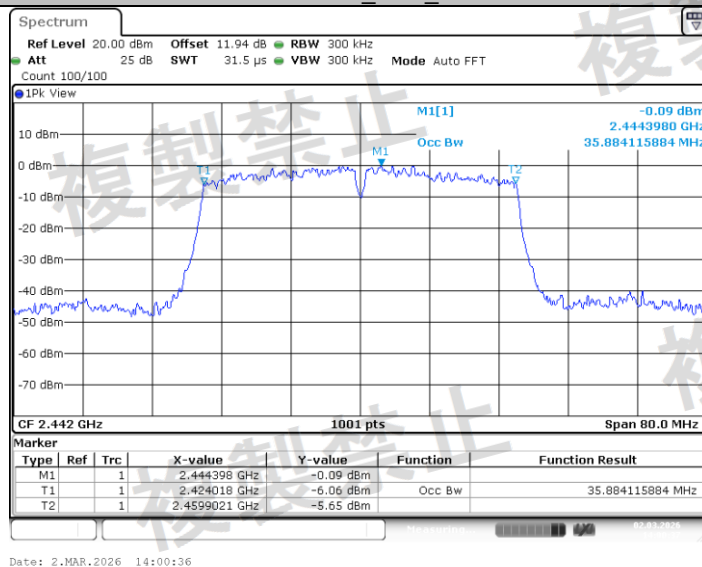
11N40MIMO_Ant0_2422



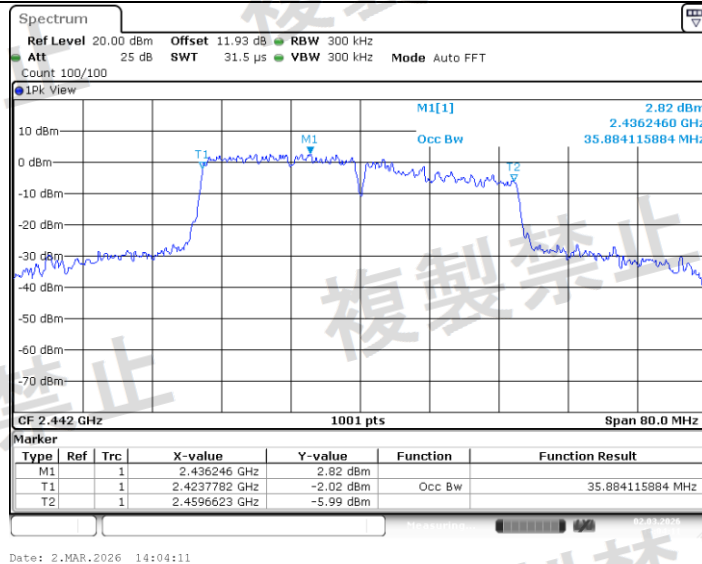
11N40MIMO_Ant1_2422



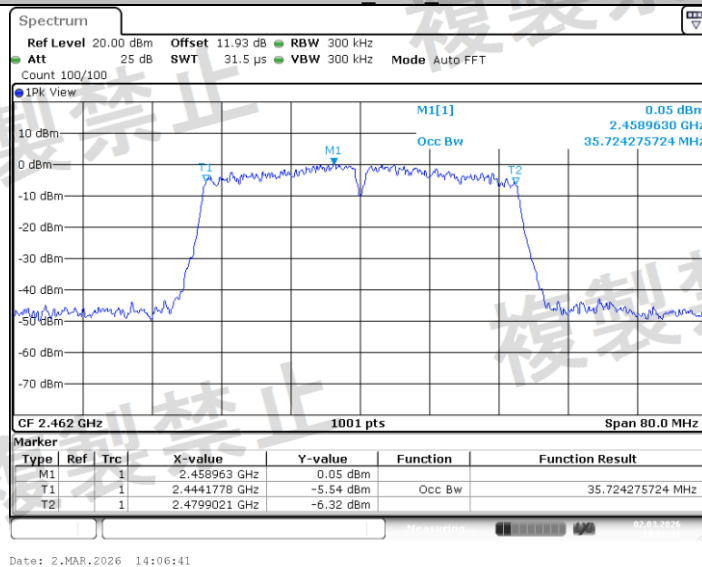
11N40MIMO_Ant0_2442



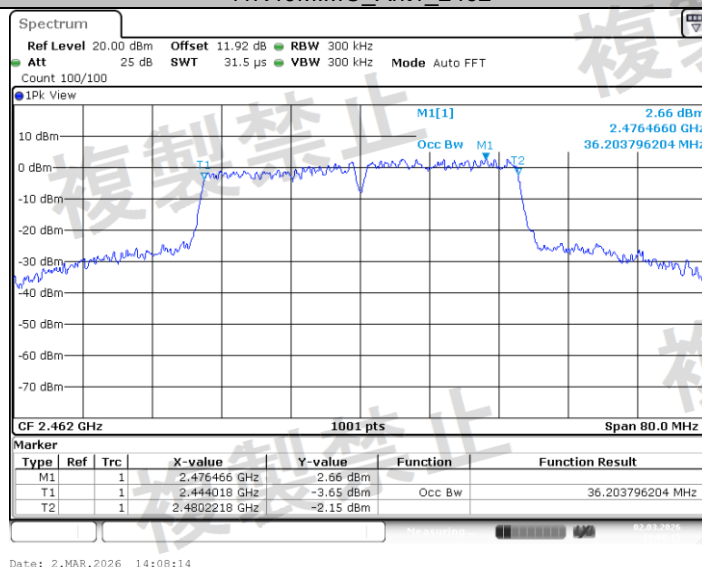
11N40MIMO_Ant1_2442



11N40MIMO_Ant0_2462



11N40MIMO_Ant1_2462





3.4. Spreading Bandwidth

LIMIT

- Spread Bandwidth: ≥ 500 kHz.

TEST CONFIGURATION



TEST PROCEDURE

1. Setting of SA is following as follow:
 - RBW: 300 kHz
 - VBW: 300 kHz
 - Sweep time: Auto
 - Sweep Mode: Continuous sweep
 - Detect mode: Peak
 - Trace mode: Max hold
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 90% of occupied bandwidth to measure spread bandwidth.

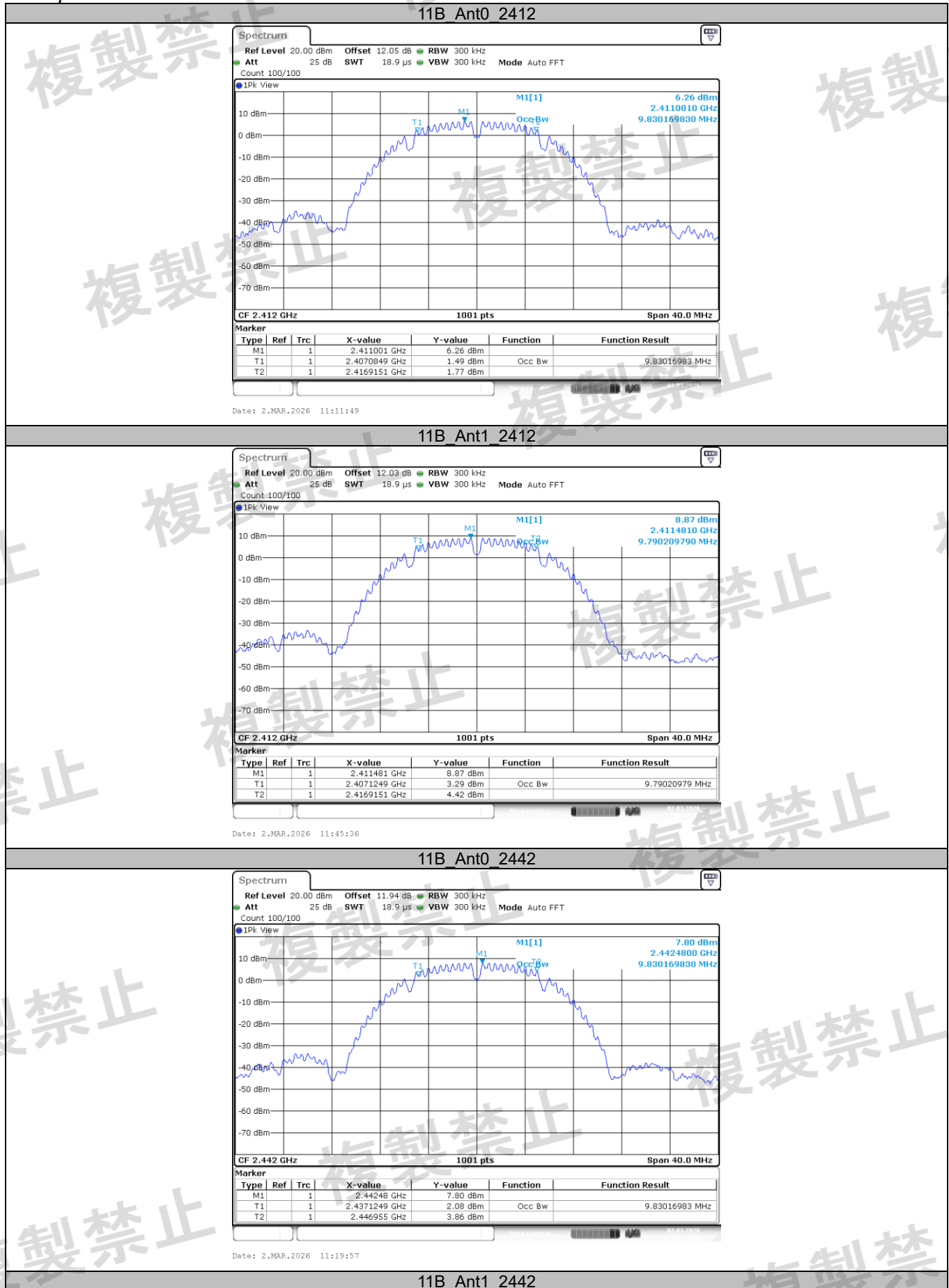
**TEST RESULTS**

Test voltage (V)	Test Mode	Antenna	Freq.[MHz]	Result [MHz]	Limit [MHz]	Spread Factor	Limit	Verdict
DC 3.7V	802.11b	Ant0	2412	9.830	≥0.5	7.149	>5	PASS
		Ant1	2412	9.790	≥0.5	7.120	>5	PASS
		Ant0	2442	9.830	≥0.5	7.149	>5	PASS
		Ant1	2442	9.790	≥0.5	7.120	>5	PASS
		Ant0	2472	9.790	≥0.5	7.120	>5	PASS
		Ant1	2472	9.830	≥0.5	7.149	>5	PASS
	802.11g	Ant0	2412	13.906	≥0.5	---	---	PASS
		Ant1	2412	13.906	≥0.5	---	---	PASS
		Ant0	2442	13.626	≥0.5	---	---	PASS
		Ant1	2442	13.786	≥0.5	---	---	PASS
		Ant0	2472	13.866	≥0.5	---	---	PASS
		Ant1	2472	13.706	≥0.5	---	---	PASS
	802.11n(HT20)	Ant0	2412	14.585	≥0.5	---	---	PASS
		Ant1	2412	13.906	≥0.5	---	---	PASS
		Ant0	2442	14.865	≥0.5	---	---	PASS
		Ant1	2442	14.066	≥0.5	---	---	PASS
		Ant0	2472	14.745	≥0.5	---	---	PASS
		Ant1	2472	13.946	≥0.5	---	---	PASS
	802.11n(HT40)	Ant0	2422	30.609	≥0.5	---	---	PASS
		Ant1	2422	24.855	≥0.5	---	---	PASS
		Ant0	2442	30.529	≥0.5	---	---	PASS
		Ant1	2442	28.691	≥0.5	---	---	PASS
		Ant0	2462	30.130	≥0.5	---	---	PASS
		Ant1	2462	32.128	≥0.5	---	---	PASS

Note: Spreading Rate=Spread Bandwidth/modulation rate. The modulation rate: MR=1.375 for 802.11b.



Test plot as follows:



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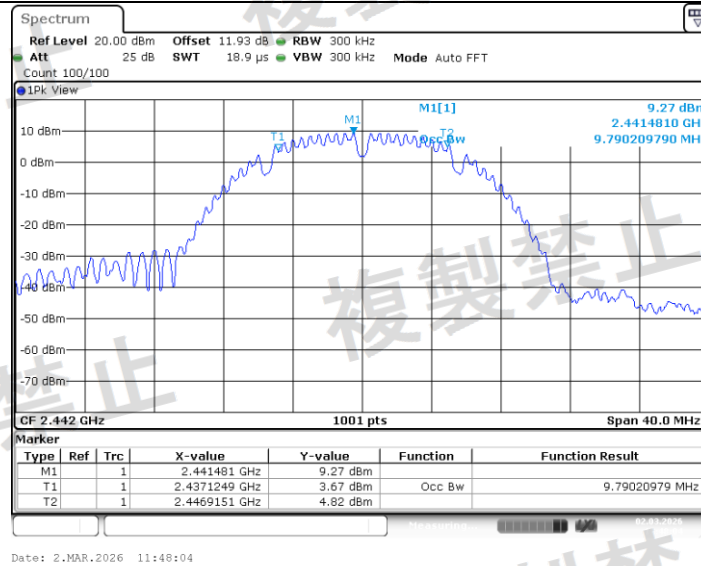
Tel.: (86)755-27521059

Fax: (86)755-27521011

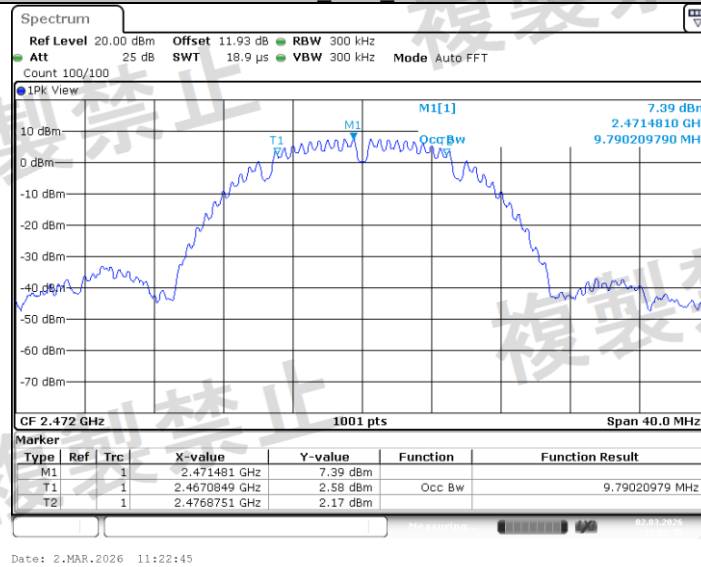
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TRF No: CTC-TR-070_A3

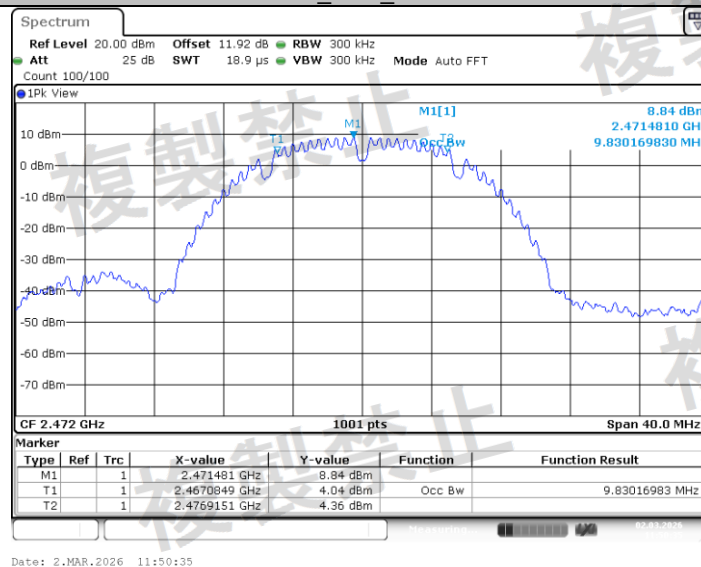
Master TRF : Dated 2026-01-01



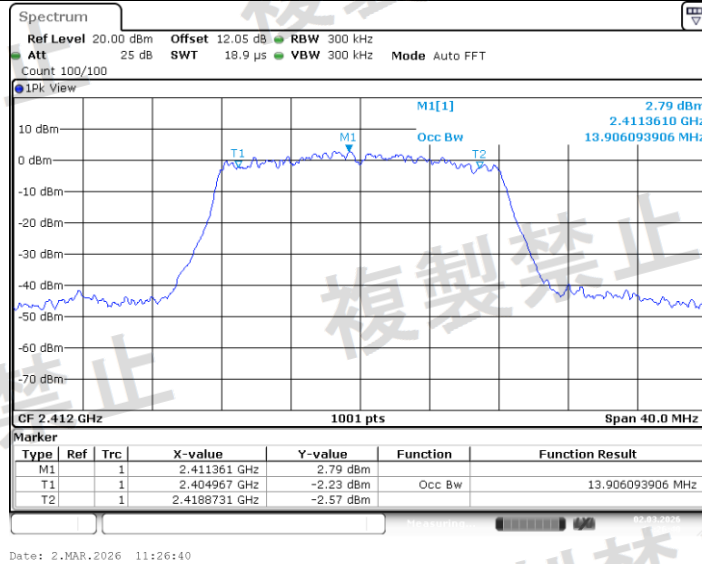
11B_Ant0_2472



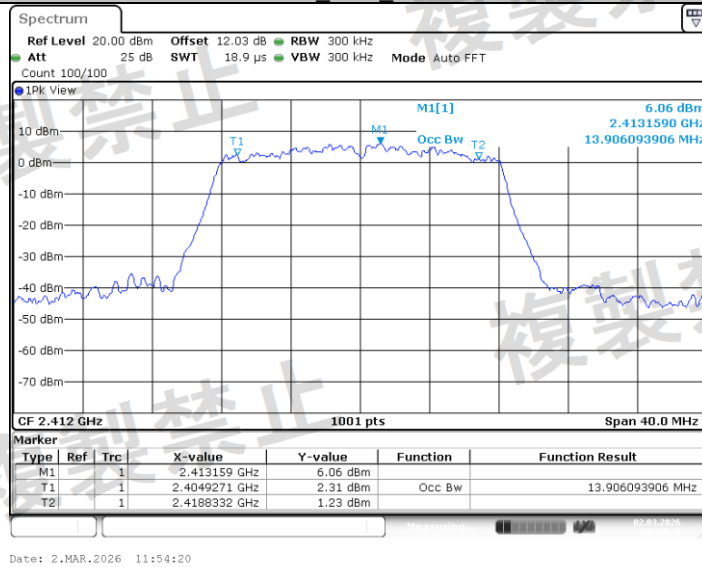
11B_Ant1_2472



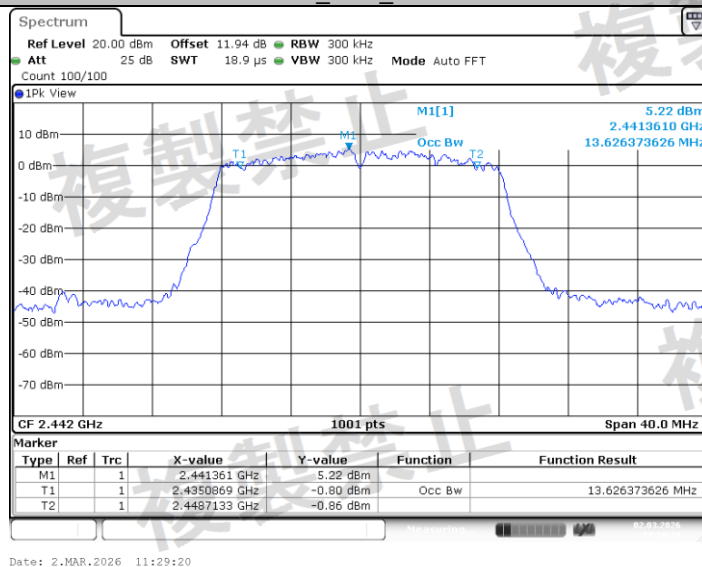
11G_Ant0_2412



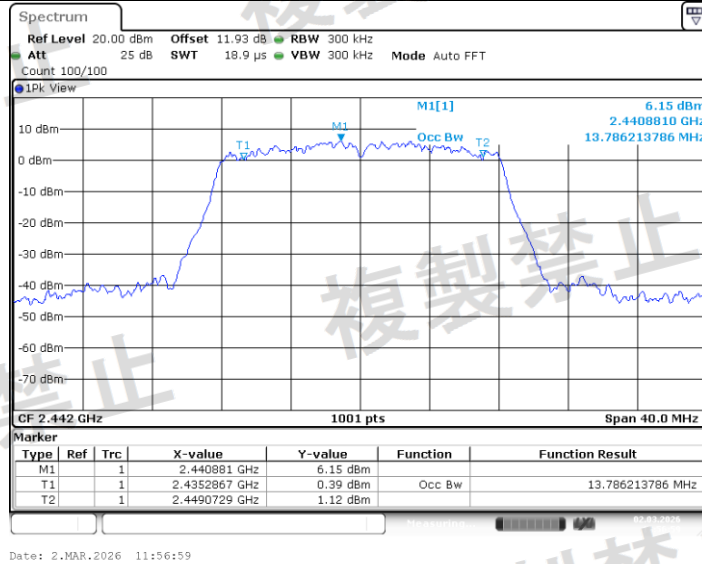
11G_Ant1_2412



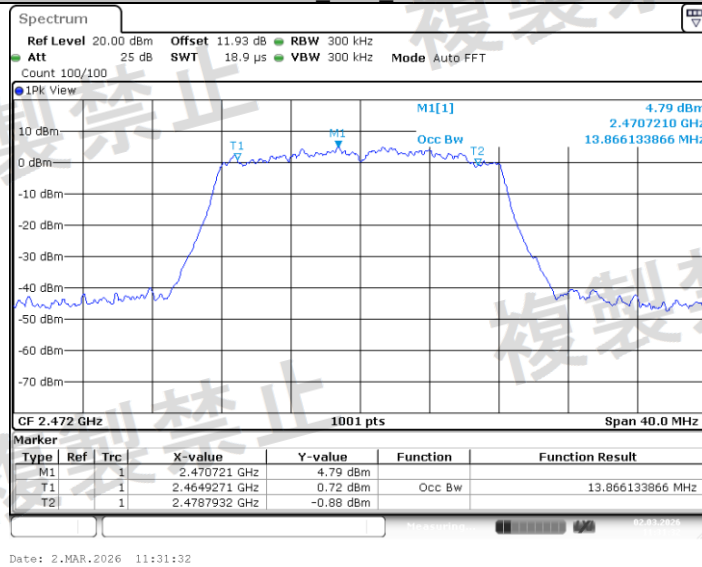
11G_Ant0_2442



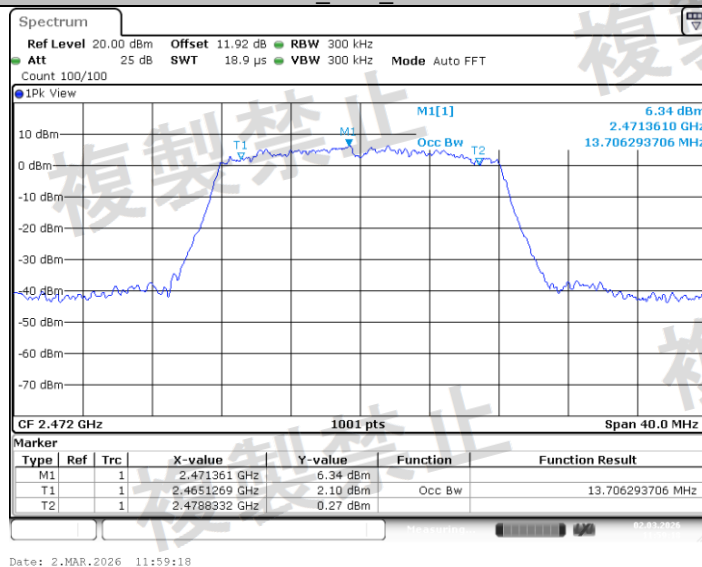
11G_Ant1_2442



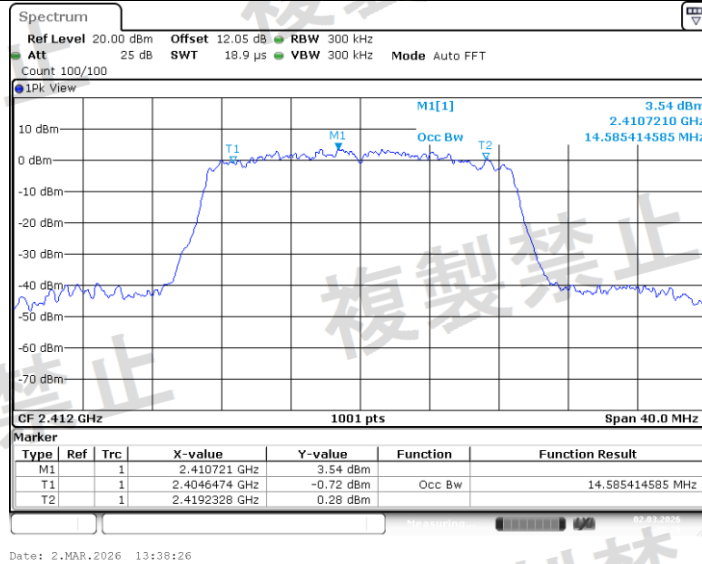
11G_Ant0_2472



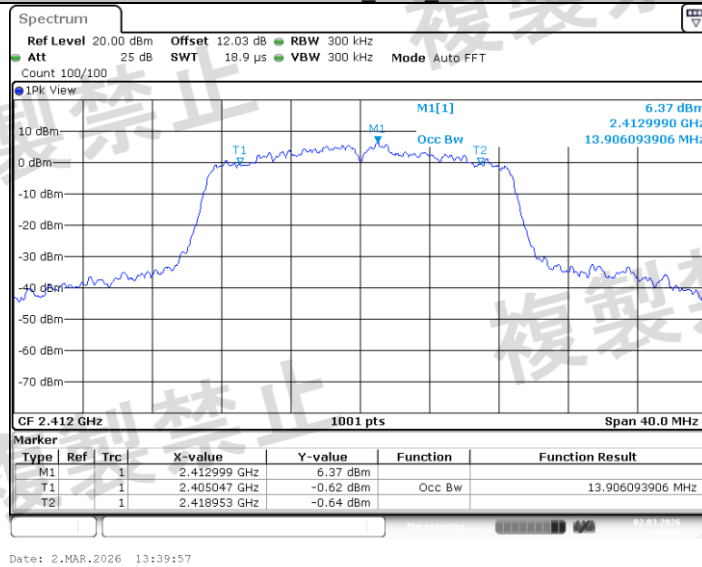
11G_Ant1_2472



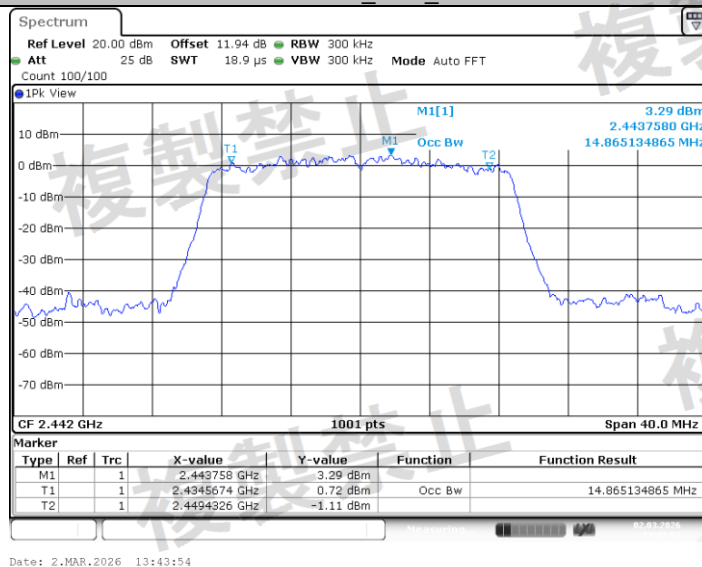
11N20MIMO_Ant0_2412



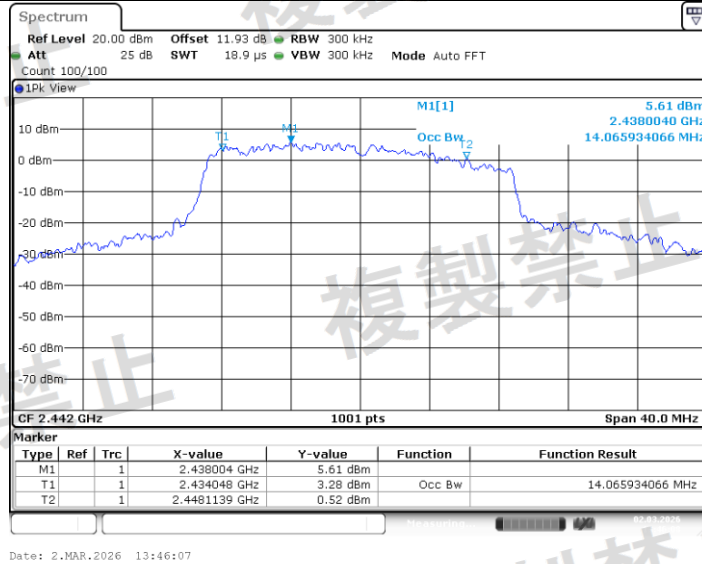
11N20MIMO_Ant1_2412



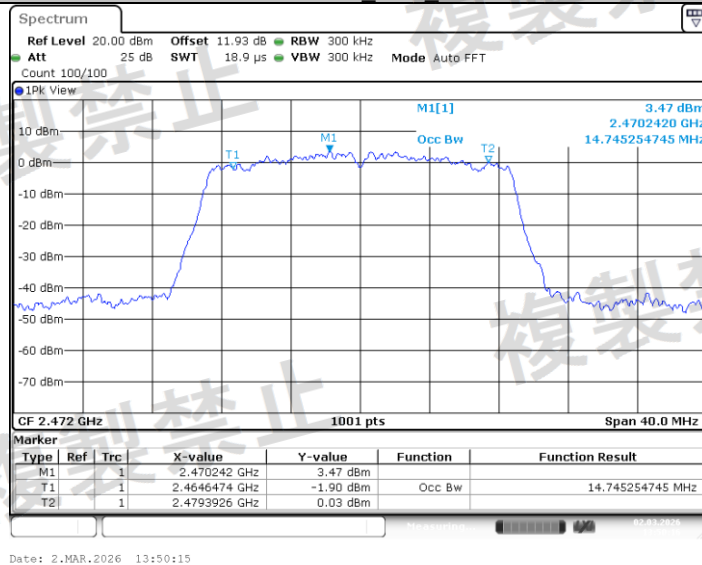
11N20MIMO_Ant0_2442



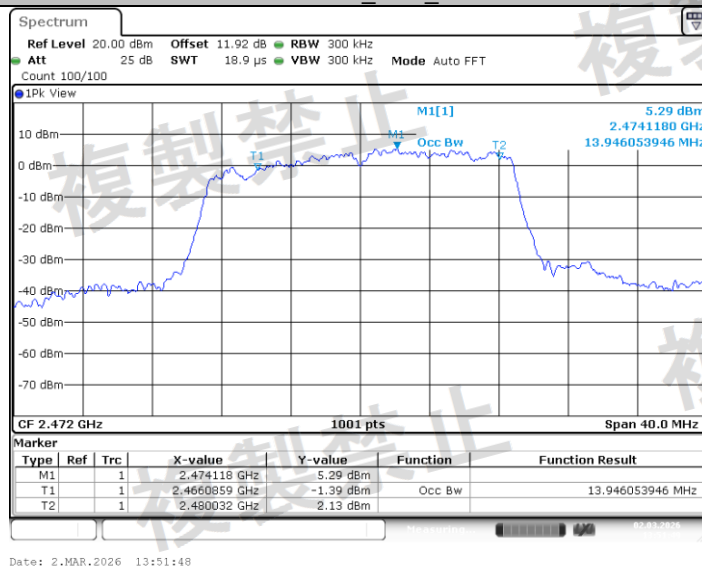
11N20MIMO_Ant1_2442



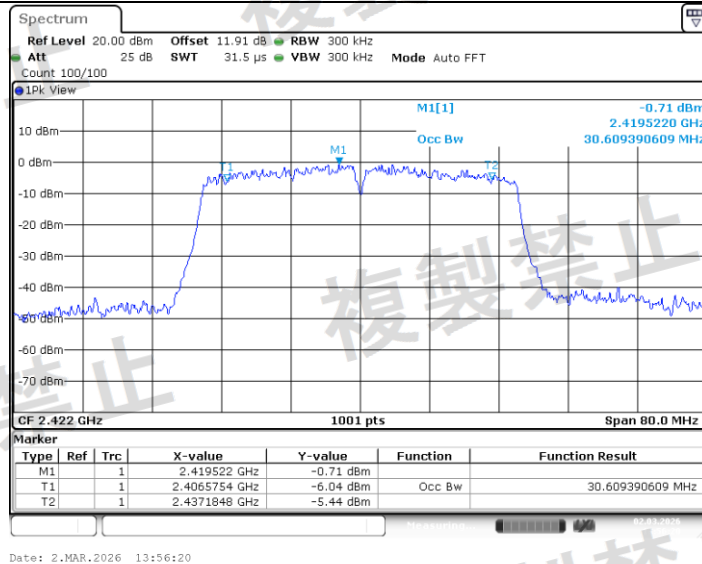
11N20MIMO_Ant0_2472



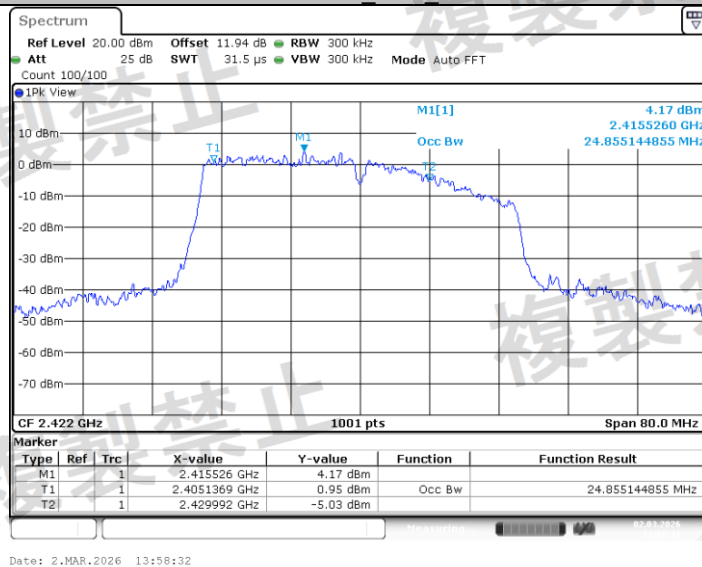
11N20MIMO_Ant1_2472



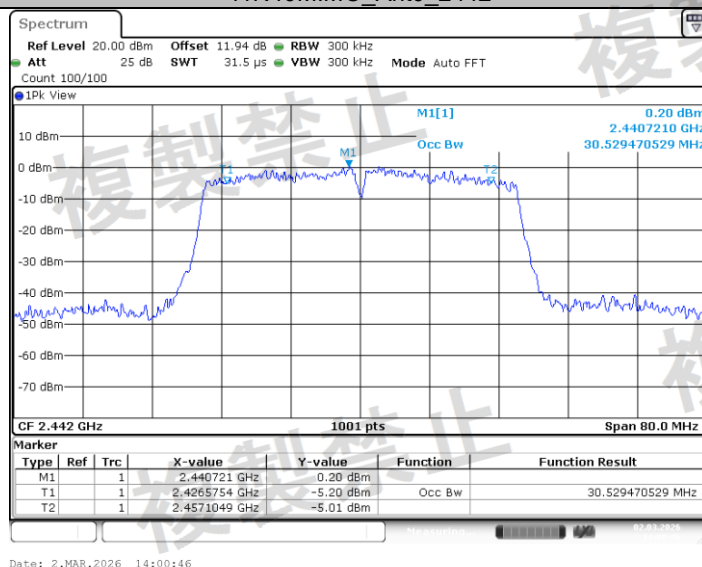
11N40MIMO_Ant0_2422



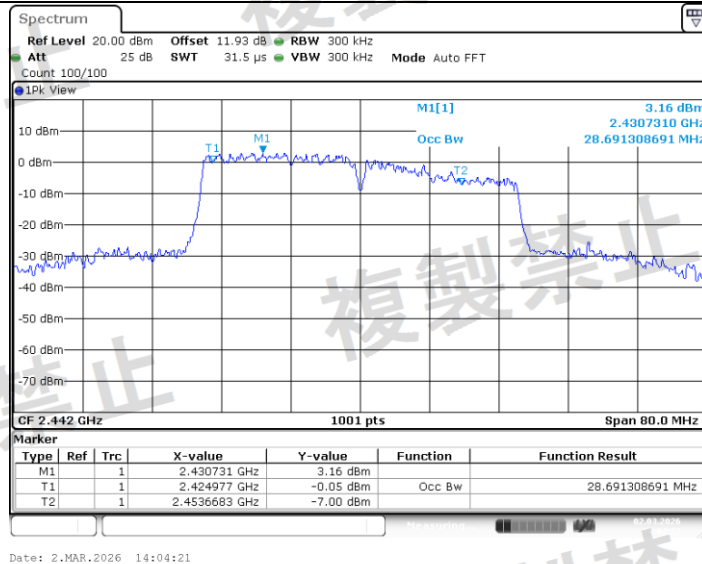
11N40MIMO_Ant1_2422



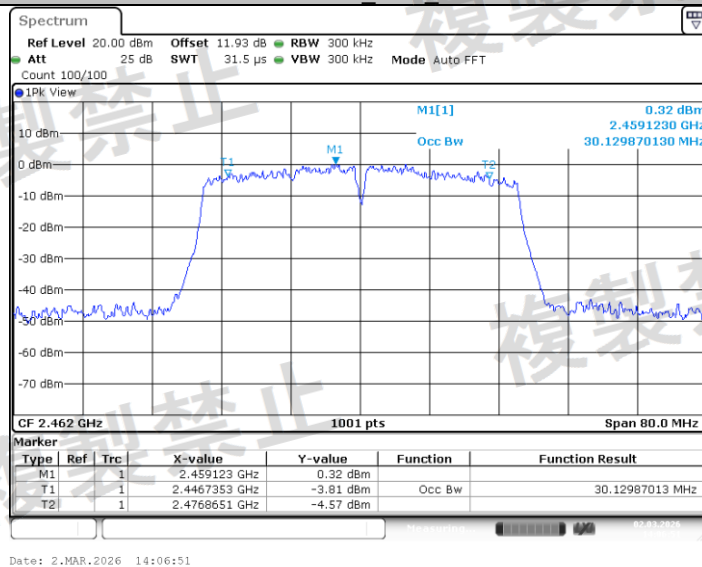
11N40MIMO_Ant0_2442



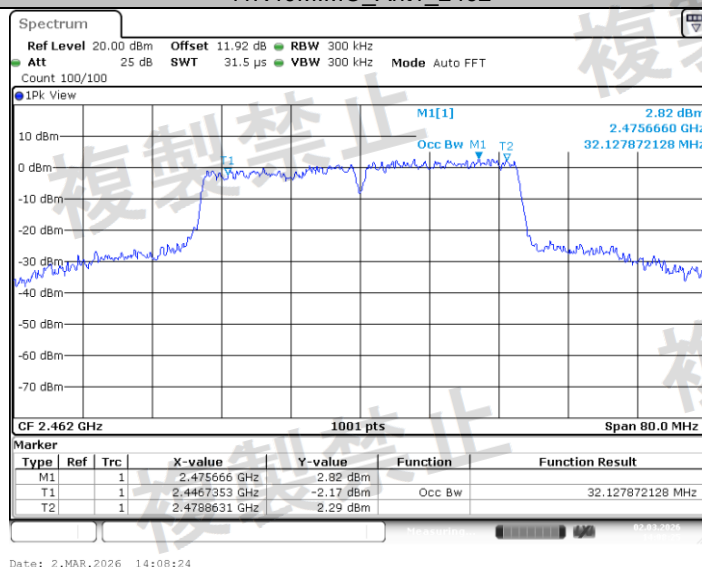
11N40MIMO_Ant1_2442



11N40MIMO_Ant0_2462



11N40MIMO_Ant1_2462





3.5. Transmitter Spurious Emission Strength and Unwanted Emission Intensity

LIMIT

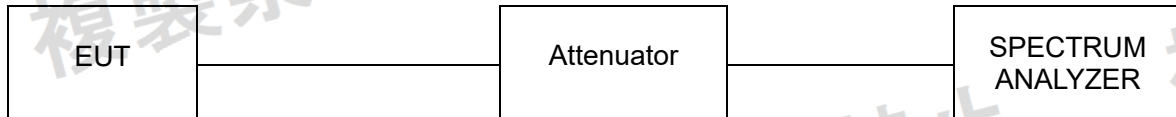
30MHz to 2387 MHz: 2.5 μ W/MHz (-26dBm) or less

2387 to 2400 MHz: 25 μ W/MHz (-16dBm) or less

2483.5 Through 2496.5 MHz: 25 μ W/MHz (-16dBm) or less

Over 2496.5 MHz: 2.5 μ W/MHz (-26dBm) or less

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: Modulation

Spectrum Condition:

Frequency: 30MHz-12.5GHz

RBW: 1MHz (30MHz-1GHz), 1MHz (1GHz-12.5GHz)

VBW: 1MHz (30MHz-1GHz), 1MHz (1GHz-12.5GHz)

Sweep time: Auto

Detector mode: Peak

Indication mode: Max hold

If the test margin is insufficient, then proceed with the following final test steps.

- The EUT is configured to the modulation mode, and transmitting at maximum power.
- When searching for Spurious Emission or unwanted emissions, the spectrum analyzer should be set as follows:
 - Test frequency range = 30MHz to 5 times the carrier frequency
 - RBW = 100kHz, VBW = 100kHz (for 30MHz~1000MHz)
 - RBW = 1MHz, VBW = 1MHz (for above 1GHz)
 - Sweep time = Auto
 - Sweep mode = Single sweep
 - Detect mode = Positive peak
- When measuring the amplitude of spurious emission or unwanted emissions, the spectrum analyzer should be set as follows:
 - Center frequency = The frequency found in step b)
 - Span = 0



- RBW = 1MHz (for 30MHz~1000MHz:100KHz)
- VBW = 1MHz (for 30MHz~1000MHz:100KHz)
- Sweep time = Auto
- Sweep mode = Single sweep
- Detect mode = Sample or RMS

TEST RESULTS

Note : The following data are based on the worst-case condition; when the margin of a certain antenna is insufficient, final tests have been conducted for both the antenna and the dual-transmission channels respectively, and the test results have been truthfully recorded and presented.

Measurement Data:

DC 3.7V									
Test Mode	Antenna	Channel	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
11B	Ant0	2412	30~2387	2379.93	-34.03	≤-26	0.39537	≤2.5	PASS
			2387~2400	2399.94	-20.88	≤-16	8.16582	≤25	PASS
			2483.5~2496.5	2487.02	-38.22	≤-16	0.15066	≤25	PASS
			2496.5~12500	6982.57	-29.19	≤-26	1.20504	≤2.5	PASS
	Ant1	2412	30~2387	2384.64	-29.41	≤-26	1.14551	≤2.5	PASS
			2387~2400	2399.95	-18.70	≤-16	13.48963	≤25	See table below
			2483.5~2496.5	2491.70	-38.52	≤-16	0.14060	≤25	PASS
			2496.5~12500	6901.54	-29.18	≤-26	1.20781	≤2.5	PASS
	Ant0	2442	30~2387	2160.14	-39.43	≤-26	0.11402	≤2.5	PASS
			2387~2400	2398.34	-35.66	≤-16	0.27164	≤25	PASS
			2483.5~2496.5	2483.62	-35.99	≤-16	0.25177	≤25	PASS
			2496.5~12500	6971.57	-28.36	≤-26	1.45881	≤2.5	See table below
	Ant1	2442	30~2387	2359.31	-39.98	≤-26	0.10046	≤2.5	PASS
			2387~2400	2399.67	-33.28	≤-16	0.46989	≤25	PASS
			2483.5~2496.5	2484.94	-34.22	≤-16	0.37844	≤25	PASS
			2496.5~12500	6994.57	-28.77	≤-26	1.32739	≤2.5	See table below
	Ant0	2472	30~2387	2376.98	-38.73	≤-26	0.13397	≤2.5	PASS
			2387~2400	2392.80	-39.28	≤-16	0.11803	≤25	PASS
			2483.5~2496.5	2483.55	-19.88	≤-16	10.28016	≤25	PASS
			2496.5~12500	6986.57	-28.79	≤-26	1.32130	≤2.5	See table below
	Ant1	2472	30~2387	2321.59	-39.82	≤-26	0.10423	≤2.5	PASS
			2387~2400	2399.20	-38.94	≤-16	0.12764	≤25	PASS
			2483.5~2496.5	2483.63	-18.41	≤-16	14.42115	≤25	See table below
			2496.5~12500	6992.07	-28.19	≤-26	1.51705	≤2.5	See table below
11G	Ant0	2412	30~2387	2141.87	-39.76	≤-26	0.10568	≤2.5	PASS
			2387~2400	2395.81	-31.75	≤-16	0.66834	≤25	PASS
			2483.5~2496.5	2493.93	-38.66	≤-16	0.13614	≤25	PASS
			2496.5~12500	6916.05	-29.02	≤-26	1.25314	≤2.5	PASS
	Ant1	2412	30~2387	2385.23	-39.64	≤-26	0.10864	≤2.5	PASS
			2387~2400	2399.77	-29.34	≤-16	1.16413	≤25	PASS
			2483.5~2496.5	2491.63	-38.65	≤-16	0.13646	≤25	PASS

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	Ant0	2442	2496.5~12500	6990.07	-28.62	≤-26	1.37404	≤2.5	See table below
			30~2387	2384.64	-39.44	≤-26	0.11376	≤2.5	PASS
			2387~2400	2394.75	-38.65	≤-16	0.13646	≤25	PASS
			2483.5~2496.5	2493.61	-38.50	≤-16	0.14125	≤25	PASS
	Ant1	2442	2496.5~12500	6983.57	-28.78	≤-26	1.32434	≤2.5	See table below
			30~2387	2277.40	-40.17	≤-26	0.09616	≤2.5	PASS
			2387~2400	2392.68	-36.98	≤-16	0.20045	≤25	PASS
			2483.5~2496.5	2494.89	-38.59	≤-16	0.13836	≤25	PASS
	Ant0	2472	2496.5~12500	6985.07	-27.97	≤-26	1.59588	≤2.5	See table below
			30~2387	2163.09	-39.86	≤-26	0.10328	≤2.5	PASS
			2387~2400	2398.19	-39.08	≤-16	0.12359	≤25	PASS
			2483.5~2496.5	2483.50	-29.79	≤-16	1.04954	≤25	PASS
	Ant1	2472	2496.5~12500	6966.06	-29.21	≤-26	1.19950	≤2.5	PASS
			30~2387	2123.02	-40.33	≤-26	0.09268	≤2.5	PASS
			2387~2400	2398.86	-38.88	≤-16	0.12942	≤25	PASS
			2483.5~2496.5	2484.09	-28.00	≤-16	1.58489	≤25	PASS
11N20MIMO	Ant0	2412	2496.5~12500	6991.07	-28.63	≤-26	1.37088	≤2.5	See table below
			30~2387	2194.90	-39.83	≤-26	0.10399	≤2.5	PASS
			2387~2400	2396.04	-29.44	≤-16	1.13763	≤25	PASS
			2483.5~2496.5	2488.82	-38.32	≤-16	0.14723	≤25	PASS
	Ant1	2412	2496.5~12500	6999.08	-29.06	≤-26	1.24165	≤2.5	PASS
			30~2387	2308.63	-39.81	≤-26	0.10447	≤2.5	PASS
			2387~2400	2395.78	-26.85	≤-16	2.06538	≤25	PASS
			2483.5~2496.5	2487.03	-38.49	≤-16	0.14158	≤25	PASS
	Ant0	2442	2496.5~12500	6999.58	-27.99	≤-26	1.58855	≤2.5	See table below
			30~2387	2318.65	-39.95	≤-26	0.10116	≤2.5	PASS
			2387~2400	2399.59	-38.78	≤-16	0.13243	≤25	PASS
			2483.5~2496.5	2495.66	-38.15	≤-16	0.15311	≤25	PASS
	Ant1	2442	2496.5~12500	6879.03	-28.61	≤-26	1.37721	≤2.5	See table below
			30~2387	2288.01	-39.83	≤-26	0.10399	≤2.5	PASS
			2387~2400	2399.78	-37.21	≤-16	0.19011	≤25	PASS
			2483.5~2496.5	2487.45	-38.16	≤-16	0.15276	≤25	PASS
	Ant0	2472	2496.5~12500	6989.57	-28.10	≤-26	1.54882	≤2.5	See table below
			30~2387	2339.27	-40.27	≤-26	0.09397	≤2.5	PASS
			2387~2400	2393.52	-38.82	≤-16	0.13122	≤25	PASS
			2483.5~2496.5	2487.69	-32.06	≤-16	0.62230	≤25	PASS
	Ant1	2472	2496.5~12500	7000.08	-29.20	≤-26	1.20226	≤2.5	PASS
			30~2387	2301.56	-39.98	≤-26	0.10046	≤2.5	PASS
			2387~2400	2387.38	-39.03	≤-16	0.12503	≤25	PASS
			2483.5~2496.5	2483.61	-21.97	≤-16	6.35331	≤25	PASS
11N40MIMO	Ant0	2422	2496.5~12500	6983.07	-28.78	≤-26	1.32434	≤2.5	See table below
			30~2387	1731.16	-39.91	≤-26	0.10209	≤2.5	PASS
			2387~2400	2395.80	-36.20	≤-16	0.23988	≤25	PASS
			2483.5~2496.5	2486.52	-38.52	≤-16	0.14060	≤25	PASS
	Ant1	2422	2496.5~12500	6995.57	-28.96	≤-26	1.27057	≤2.5	See table below
			30~2387	2386.41	-36.86	≤-26	0.20606	≤2.5	PASS
			2387~2400	2399.98	-26.52	≤-16	2.22844	≤25	PASS
			2483.5~2496.5	2490.02	-38.52	≤-16	0.14060	≤25	PASS

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Master TRF : Dated 2026-01-01



	Ant0	2442	2496.5~12500	6998.08	-29.00	≤-26	1.25893	≤2.5	PASS
			30~2387	2295.67	-40.19	≤-26	0.09572	≤2.5	PASS
			2387~2400	2397.15	-38.08	≤-16	0.15560	≤25	PASS
			2483.5~2496.5	2483.55	-36.97	≤-16	0.20091	≤25	PASS
	Ant1	2442	2496.5~12500	6989.57	-27.54	≤-26	1.76198	≤2.5	See table below
			30~2387	2381.70	-38.61	≤-26	0.13772	≤2.5	PASS
			2387~2400	2398.93	-28.52	≤-16	1.40605	≤25	PASS
			2483.5~2496.5	2484.88	-29.73	≤-16	1.06414	≤25	PASS
	Ant0	2462	2496.5~12500	6987.07	-28.38	≤-26	1.45211	≤2.5	See table below
			30~2387	2338.09	-39.92	≤-26	0.10186	≤2.5	PASS
			2387~2400	2387.18	-39.17	≤-16	0.12106	≤25	PASS
			2483.5~2496.5	2483.53	-30.02	≤-16	0.99541	≤25	PASS
	Ant1	2462	2496.5~12500	6996.57	-28.76	≤-26	1.33045	≤2.5	See table below
			30~2387	2231.44	-40.13	≤-26	0.09705	≤2.5	PASS
			2387~2400	2390.24	-38.39	≤-16	0.14488	≤25	PASS
			2483.5~2496.5	2486.67	-19.51	≤-16	11.19438	≤25	PASS
			2496.5~12500	2497.5	-26.74	≤-26	2.11836	≤2.5	See table below

Test Result Step2

TestMode	PreScan In Ant	Channel	Ant	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
11B	Ant1	2412	Ant1	2399.98	-43.15	≤-16	0.04842	≤25	PASS
	Ant0	2442	Ant0	6973.95	-55.31	≤-26	0.00294	≤2.5	PASS
	Ant1	2442	Ant1	6910.14	-56.23	≤-26	0.00238	≤2.5	PASS
			Ant1	6995.90	-54.53	≤-26	0.00352	≤2.5	PASS
	Ant0	2472	Ant0	6987.99	-54.93	≤-26	0.00321	≤2.5	PASS
	Ant1	2472	Ant1	2483.54	-41.19	≤-16	0.07603	≤25	PASS
11G			Ant1	6993.90	-54.56	≤-26	0.00350	≤2.5	PASS
	Ant1	2412	Ant1	6993.31	-54.78	≤-26	0.00333	≤2.5	PASS
			Ant1	6997.97	-64.10	≤-26	0.00039	≤2.5	PASS
	Ant0	2442	Ant0	6983.67	-55.14	≤-26	0.00306	≤2.5	PASS
			Ant1	6983.97	-55.02	≤-26	0.00315	≤2.5	PASS
	Ant1	2472	Ant1	6990.53	-54.81	≤-26	0.00330	≤2.5	PASS
11N20MIMO	Ant1	2412	Ant0	6972.96	-55.25	≤-26	0.00299	≤2.5	PASS
			Ant0	7003.60	-70.64	≤-26	0.00009	≤2.5	PASS
			Ant1	6972.96	-64.81	≤-26	0.00033	≤2.5	PASS
			Ant1	7003.60	-70.57	≤-26	0.00009	≤2.5	PASS
			total	6972.96	---	---	0.00332	≤2.5	PASS
			total	7003.60	---	---	0.00018	≤2.5	PASS
	Ant0	2442	Ant0	6876.70	-56.68	≤-26	0.00215	≤2.5	PASS
			Ant1	6876.70	-66.69	≤-26	0.00021	≤2.5	PASS
			total	6876.70	---	---	0.00236	≤2.5	PASS
	Ant1	2442	Ant0	6989.63	-54.94	≤-26	0.00321	≤2.5	PASS
			Ant1	6989.63	-64.30	≤-26	0.00037	≤2.5	PASS
			total	6989.63	---	---	0.00358	≤2.5	PASS
		2472	Ant0	6987.99	-54.99	≤-26	0.00317	≤2.5	PASS
			Ant1	6987.99	-64.30	≤-26	0.00037	≤2.5	PASS
			total	6987.99	---	---	0.00354	≤2.5	PASS
11N40MIMO	Ant0	2422	Ant0	6996.65	-54.81	≤-26	0.00330	≤2.5	PASS
			Ant1	6996.65	-64.21	≤-26	0.00038	≤2.5	PASS
			total	6996.65	---	---	0.00368	≤2.5	PASS
		2442	Ant0	6923.80	-56.18	≤-26	0.00241	≤2.5	PASS
			Ant0	6977.75	-55.27	≤-26	0.00297	≤2.5	PASS
			Ant0	6988.01	-55.04	≤-26	0.00313	≤2.5	PASS
			Ant1	6923.80	-65.79	≤-26	0.00026	≤2.5	PASS
			Ant1	6977.75	-64.61	≤-26	0.00035	≤2.5	PASS
			Ant1	6988.01	-64.36	≤-26	0.00037	≤2.5	PASS

CTC Laboratories, Inc.

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TRF No: CTC-TR-070_A3

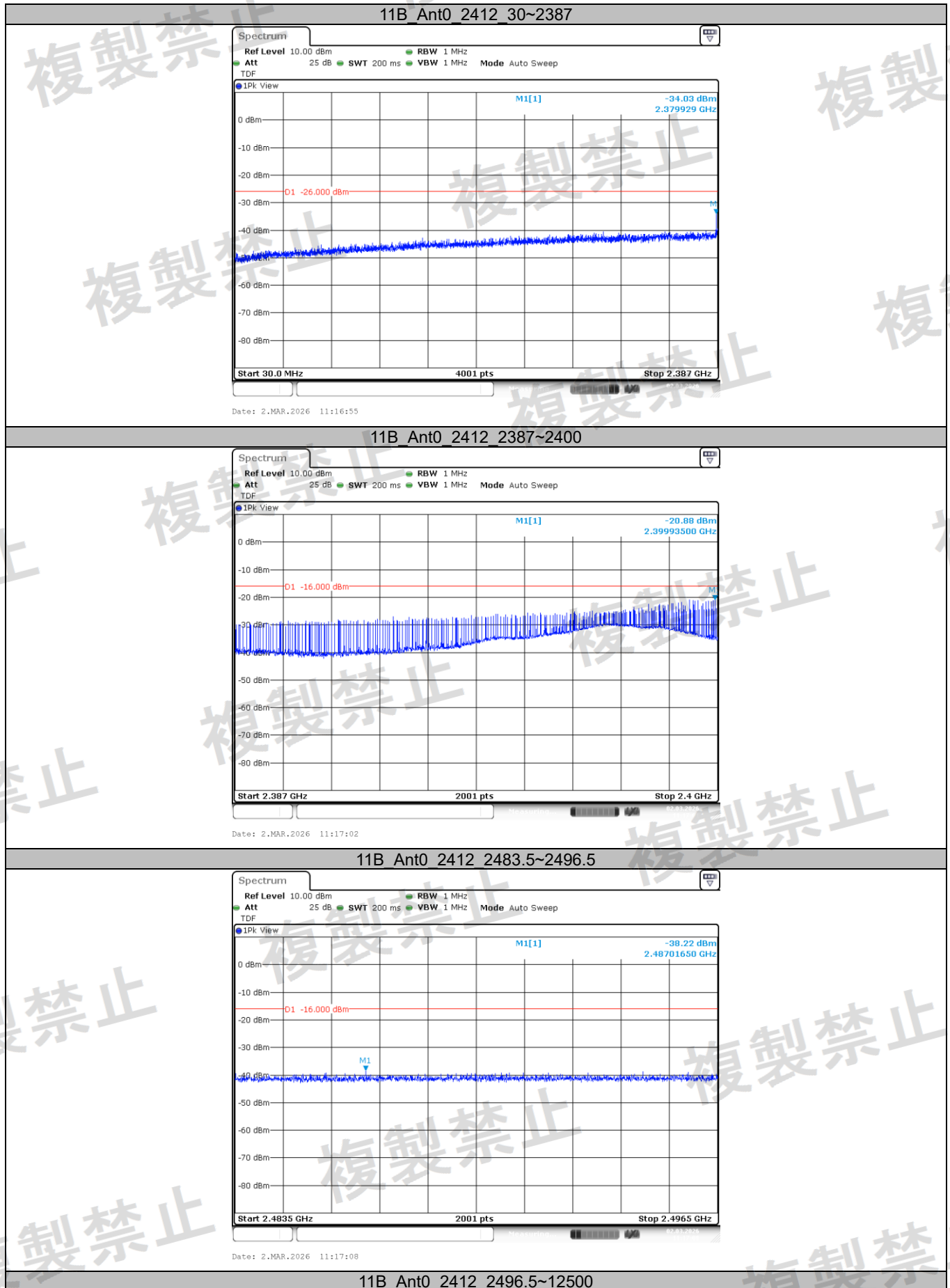
Master TRF : Dated 2026-01-01



			total	6923.80	---	---	0.00267	≤2.5	PASS
			total	6977.75	---	---	0.00332	≤2.5	PASS
			total	6988.01	---	---	0.00350	≤2.5	PASS
	Ant1	2442	Ant0	6991.94	-54.91	≤-26	0.00323	≤2.5	PASS
			Ant1	6991.94	-64.31	≤-26	0.00037	≤2.5	PASS
			total	6991.94	---	---	0.00360	≤2.5	PASS
	Ant0	2462	Ant0	6996.17	-54.81	≤-26	0.00330	≤2.5	PASS
			Ant1	6996.17	-64.18	≤-26	0.00038	≤2.5	PASS
			total	6996.17	---	---	0.00368	≤2.5	PASS
	Ant1	2462	Ant0	2499.63	-52.84	≤-26	0.00520	≤2.5	PASS
			Ant0	6953.36	-55.76	≤-26	0.00265	≤2.5	PASS
			Ant0	6991.57	-54.93	≤-26	0.00321	≤2.5	PASS
			Ant1	2499.63	-37.88	≤-26	0.16293	≤2.5	PASS
			Ant1	6953.36	-65.15	≤-26	0.00031	≤2.5	PASS
			Ant1	6991.57	-64.30	≤-26	0.00037	≤2.5	PASS
			total	2499.63	---	---	0.16813	≤2.5	PASS
			total	6953.36	---	---	0.00296	≤2.5	PASS
			total	6991.57	---	---	0.00358	≤2.5	PASS



Test plot as follows:



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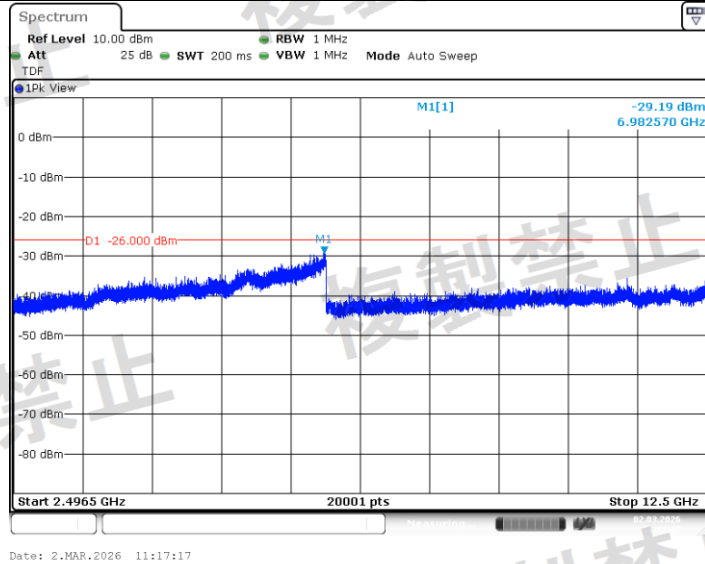
Tel.: (86)755-27521059

Fax: (86)755-27521011

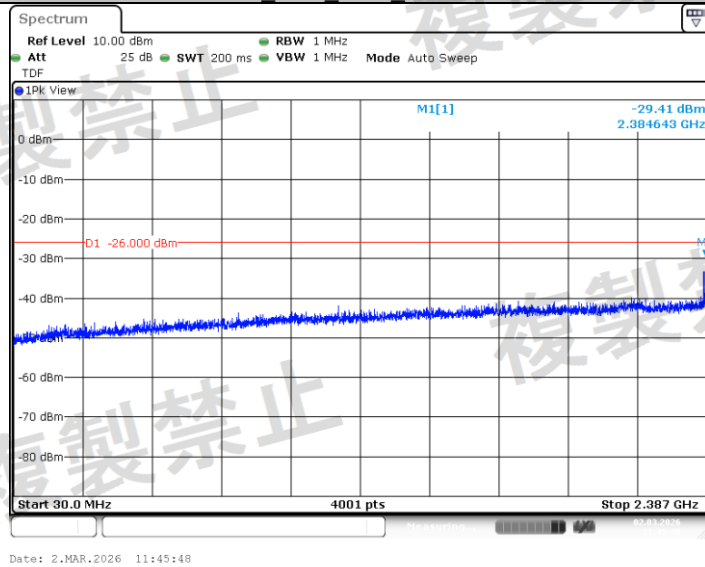
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-070_A3

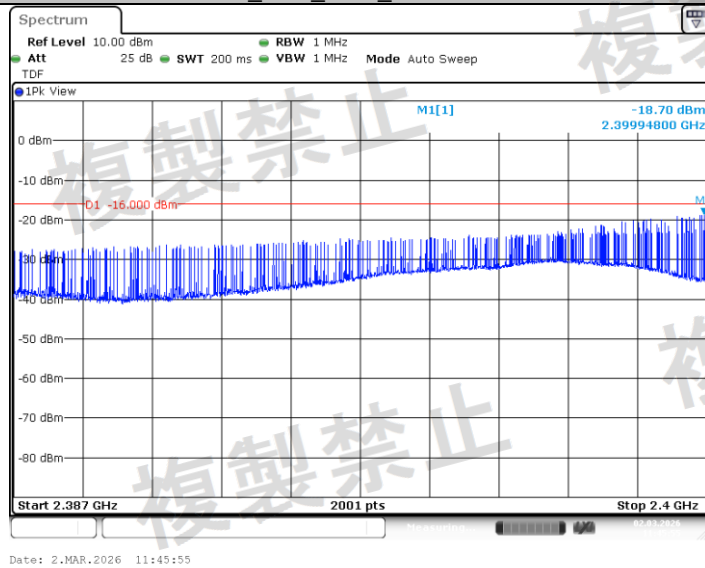
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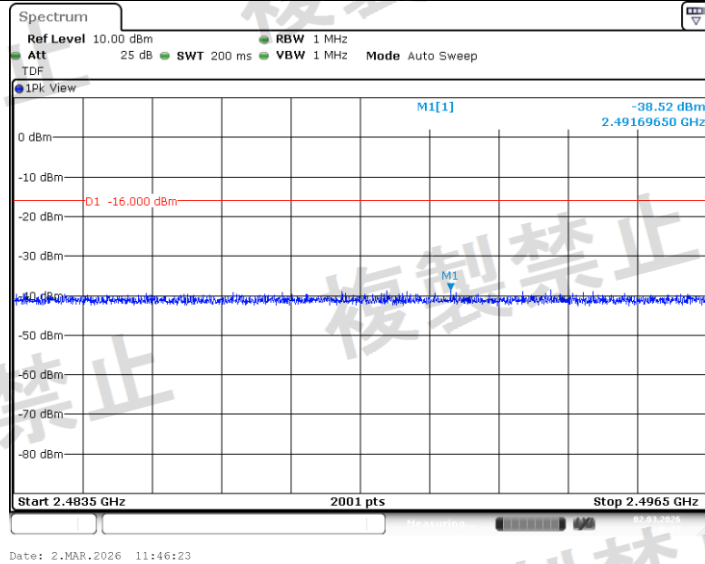
11B Ant1 2412 30~2387



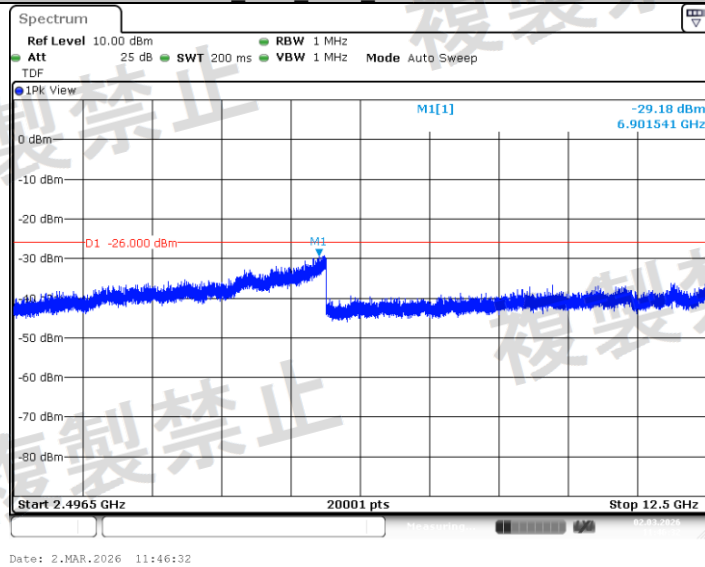
11B Ant1 2412 2387~2400



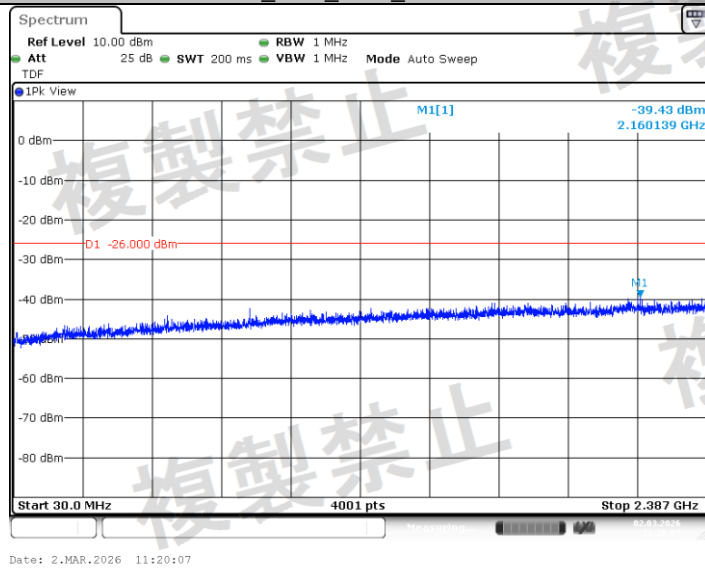
11B Ant1 2412 2483.5~2496.5



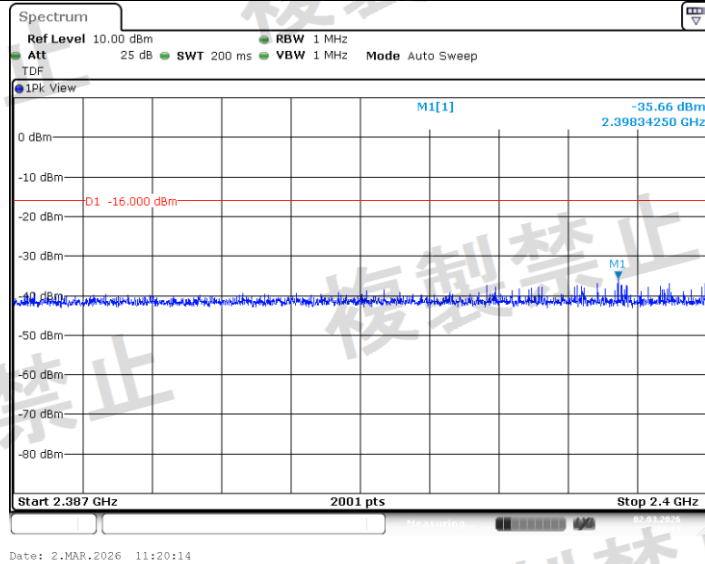
11B Ant1 2412 2496.5~12500



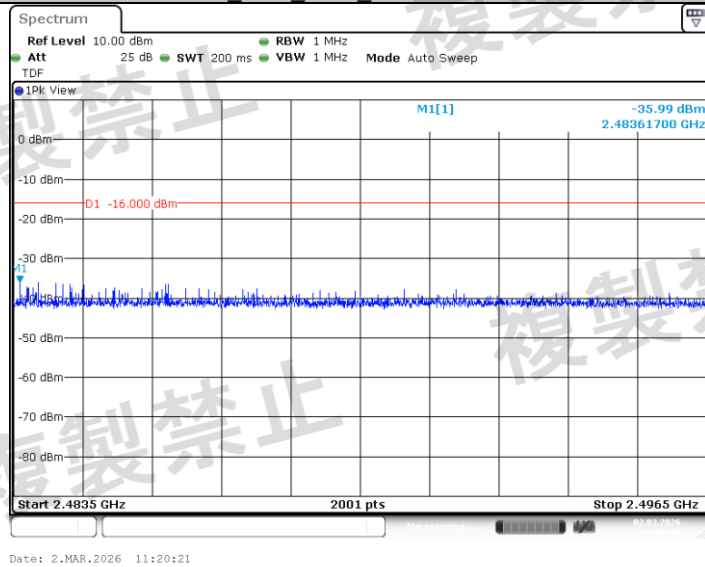
11B Ant0 2442 30~2387



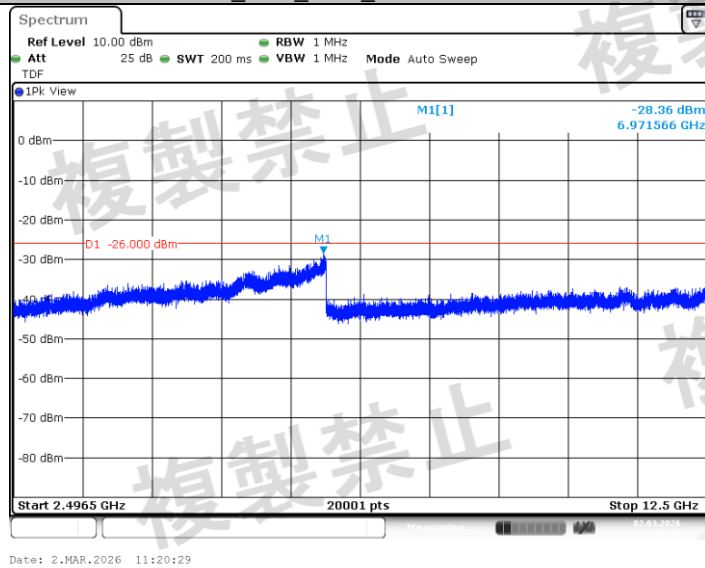
11B Ant0 2442 2387~2400



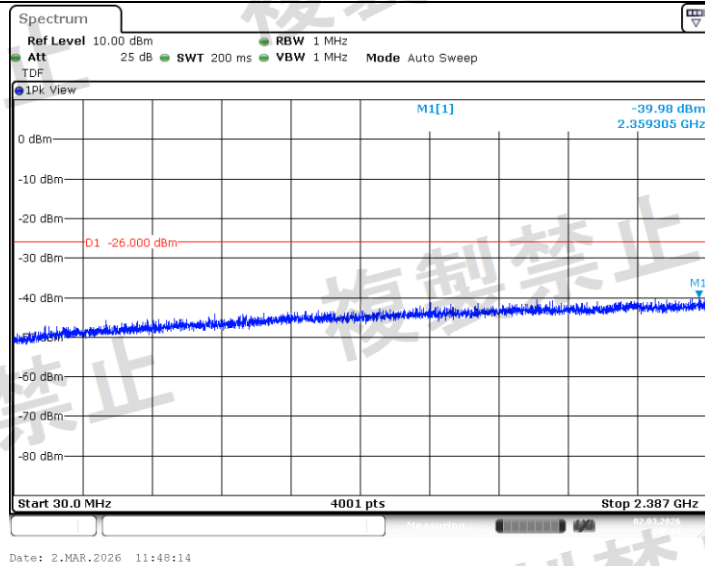
11B_Ant0_2442_2483.5~2496.5



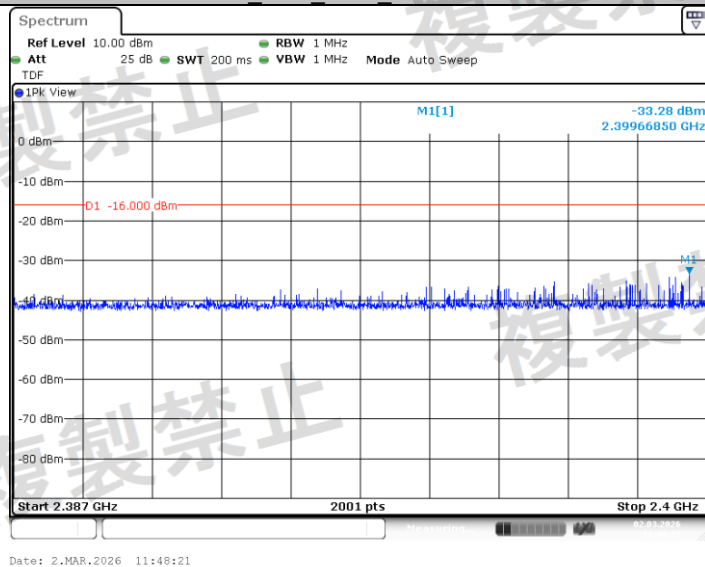
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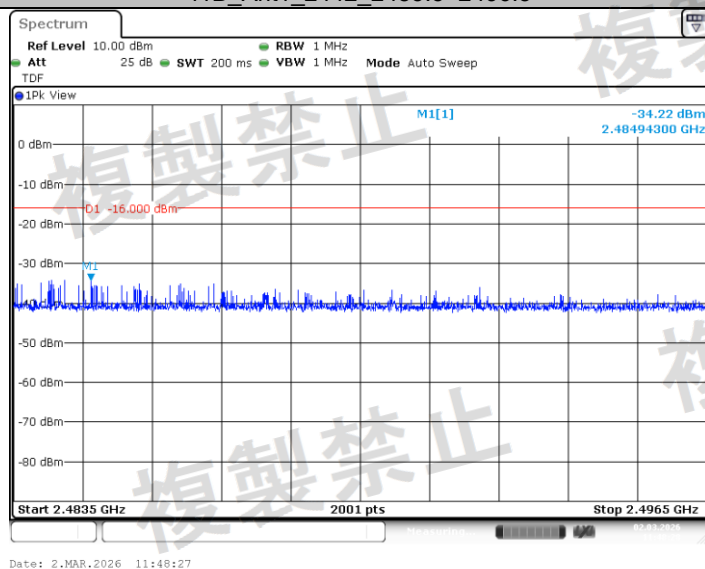
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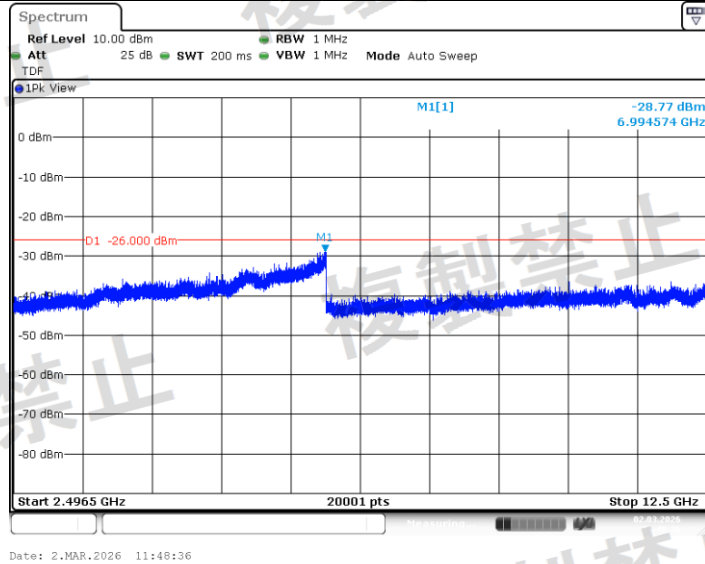
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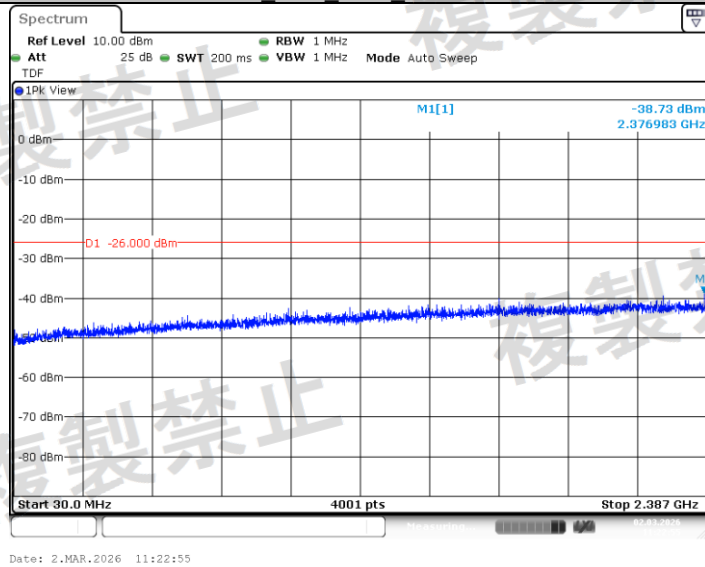
11B_Ant1_2442_2483.5~2496.5



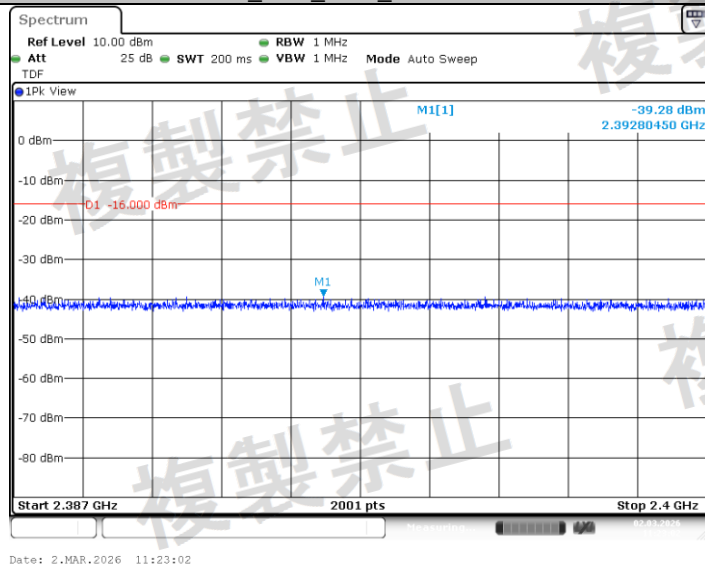
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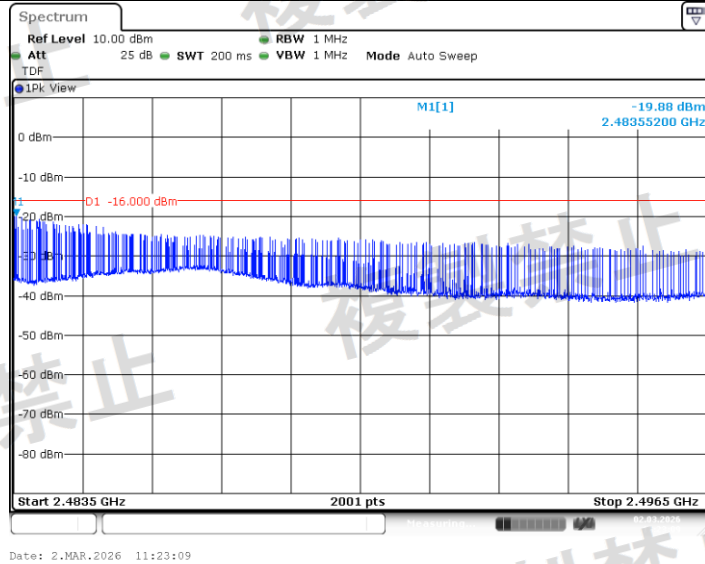
11B Ant0 2472 30~2387



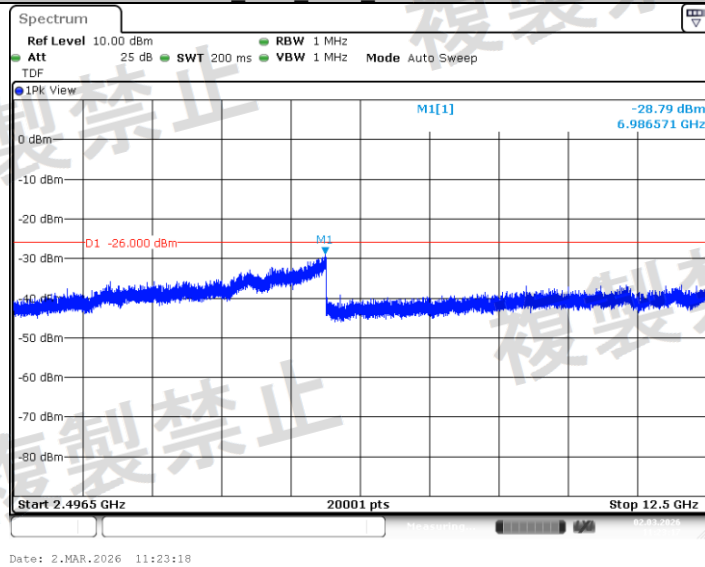
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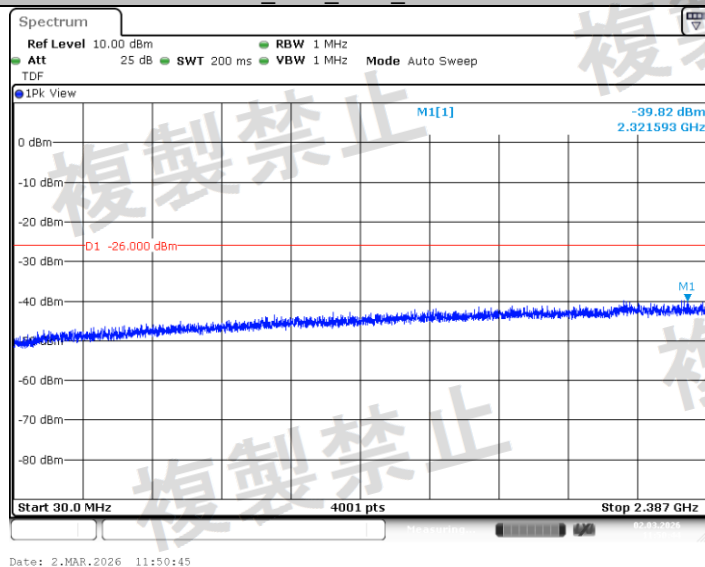
11B Ant0 2472 2483.5~2496.5



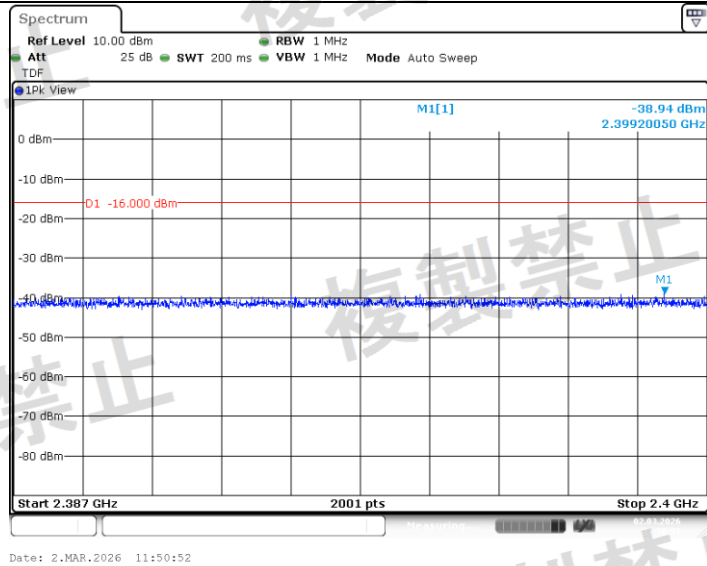
11B_Ant0 2472 2496.5~12500



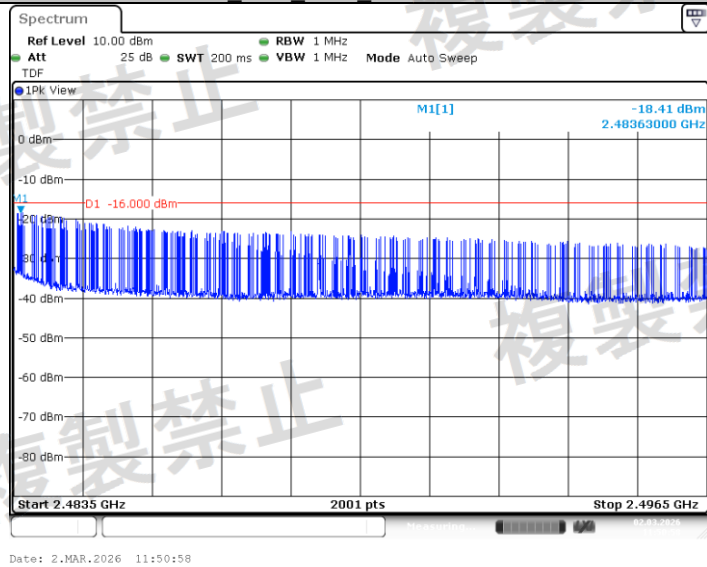
11B_Ant1 2472 30~2387



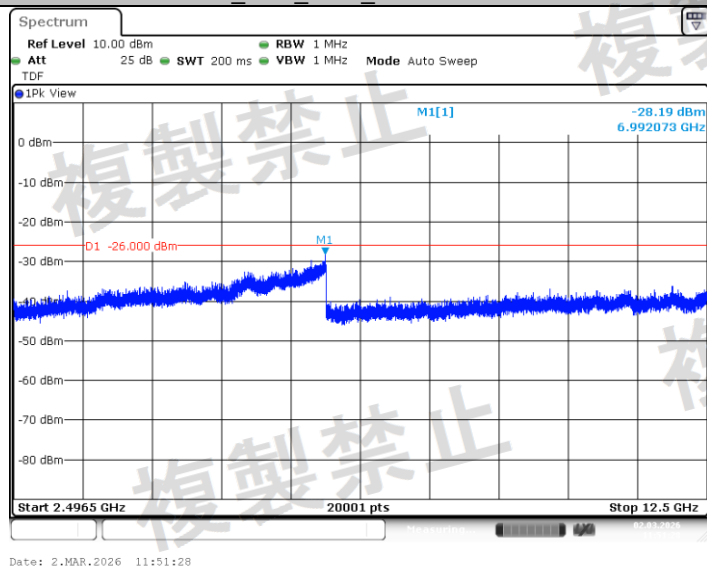
11B_Ant1 2472 2387~2400



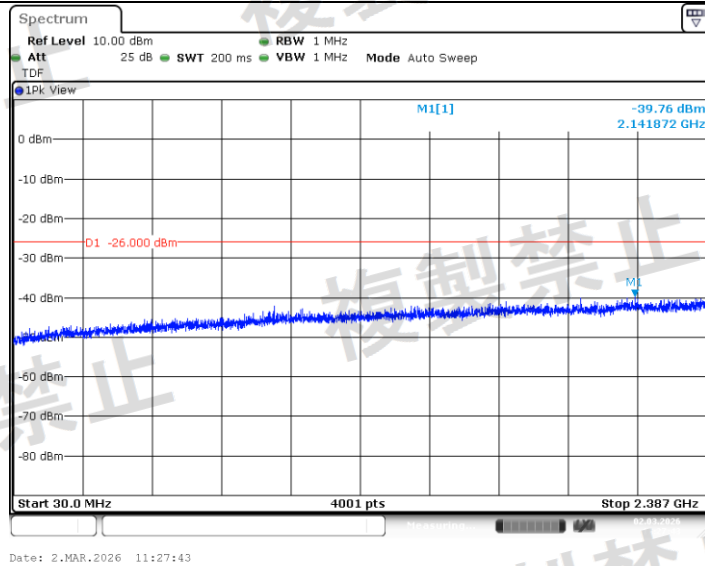
11B_Ant1_2472_2483.5~2496.5



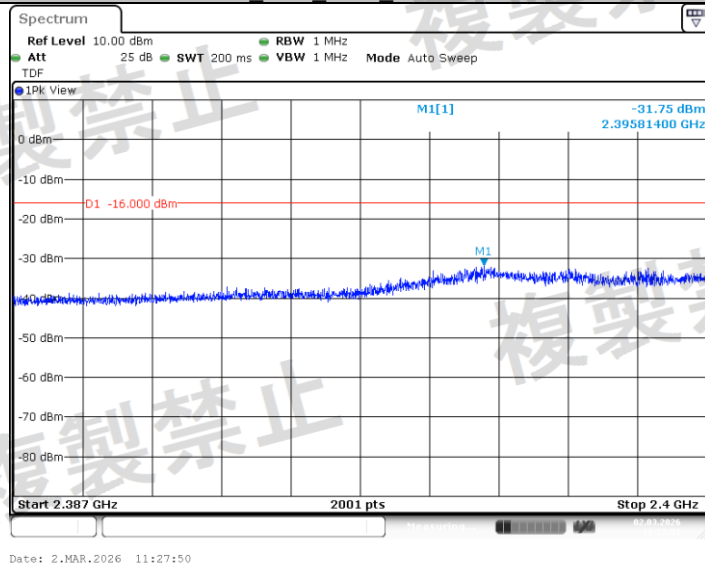
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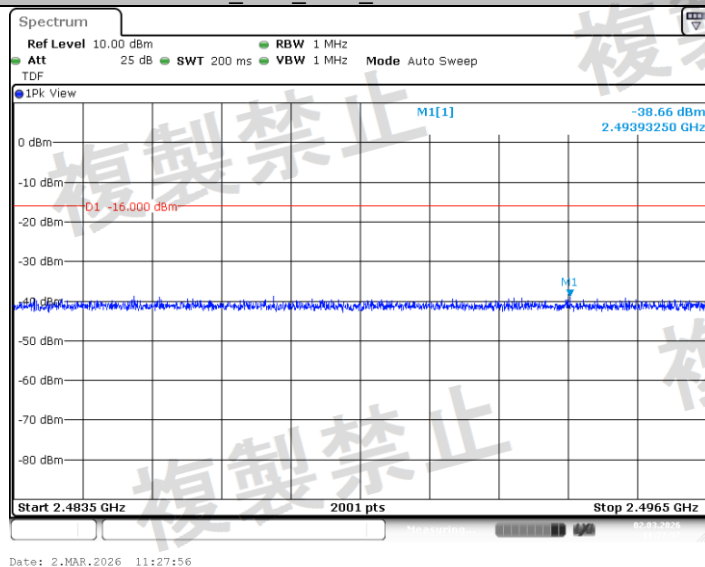
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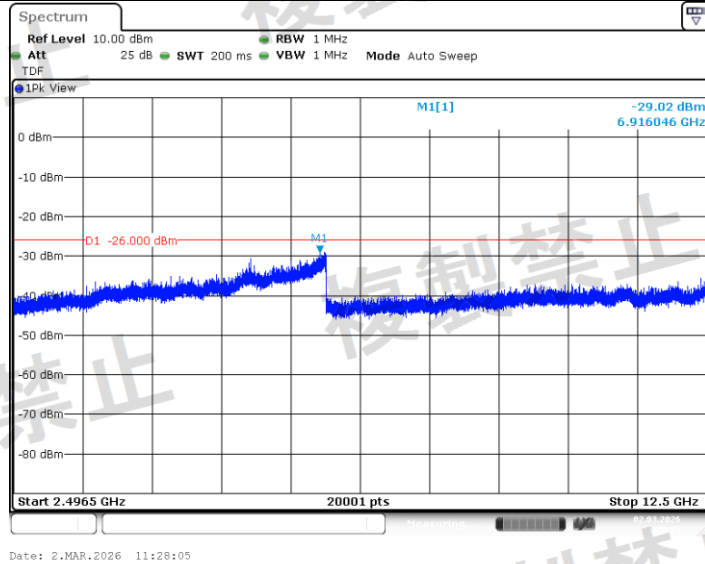
11G_Ant0_2412_2387~2400



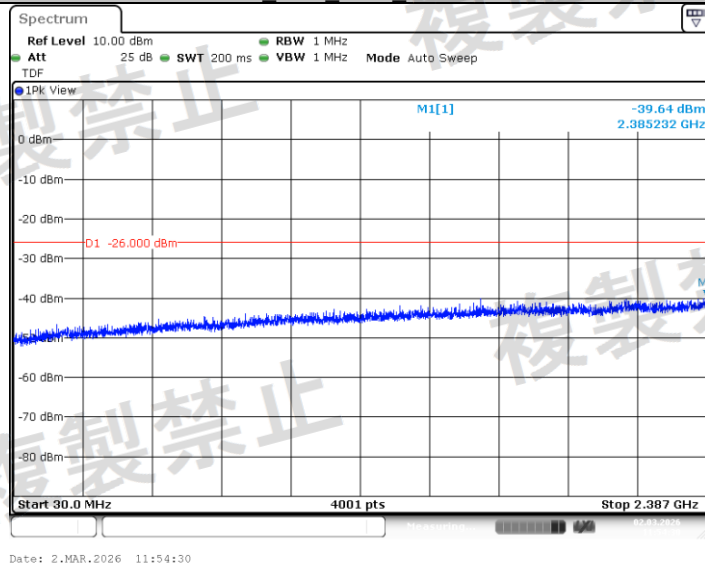
11G_Ant0_2412_2483.5~2496.5



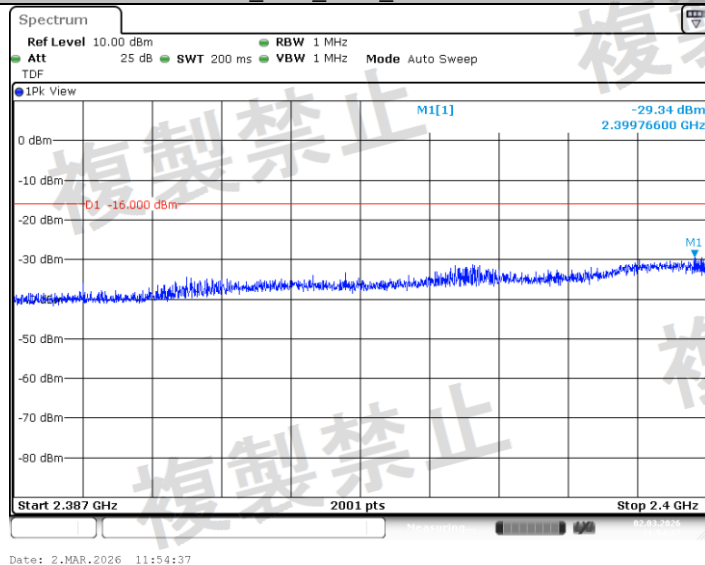
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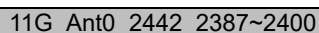
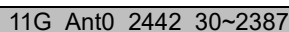
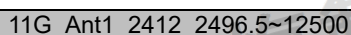
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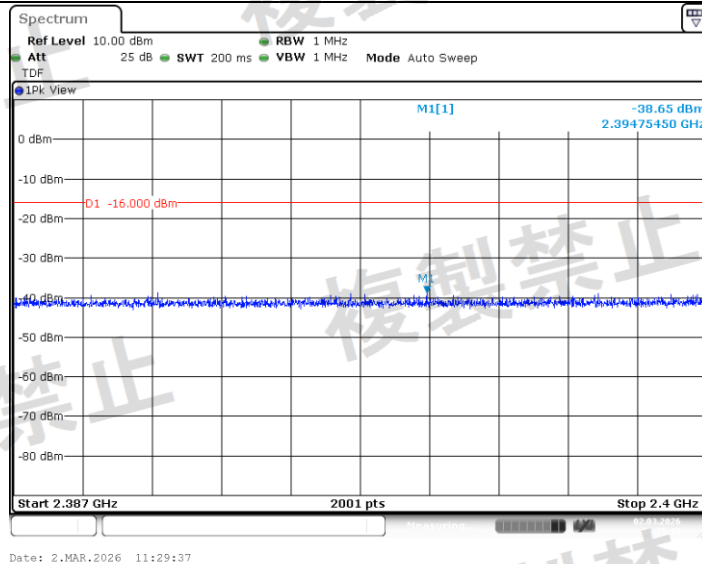


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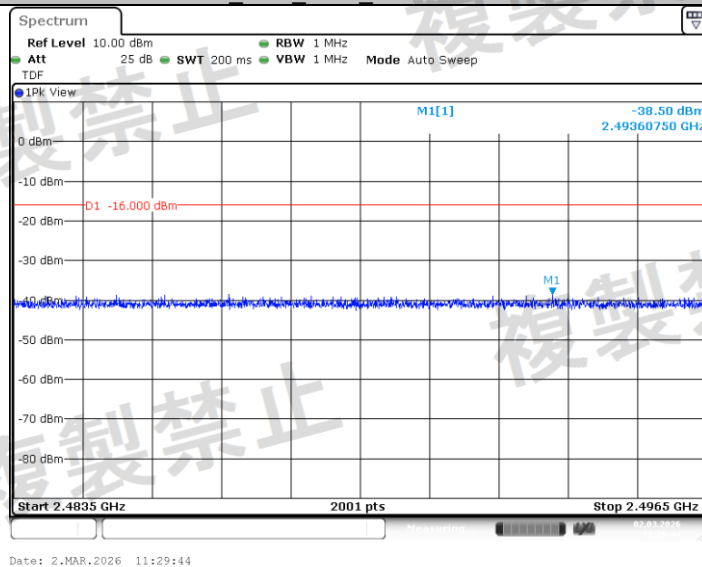


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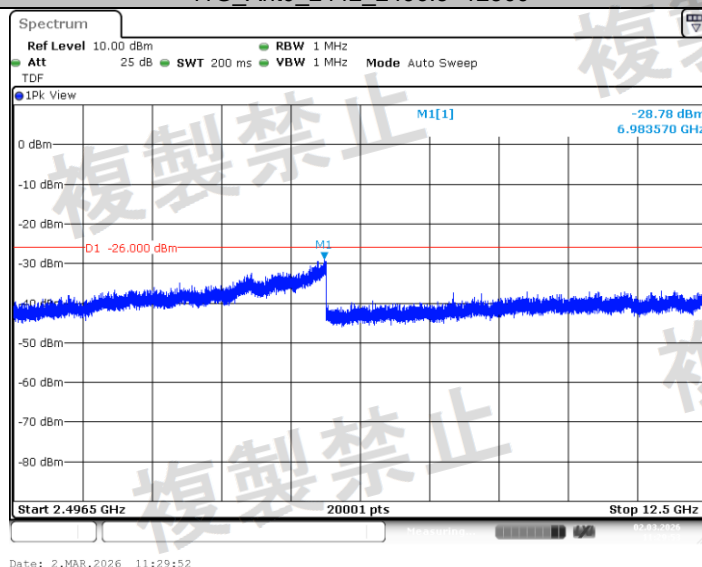




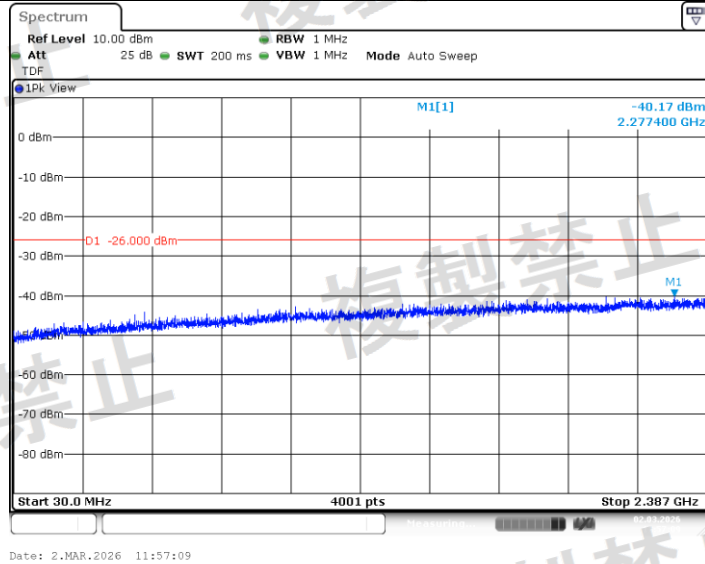
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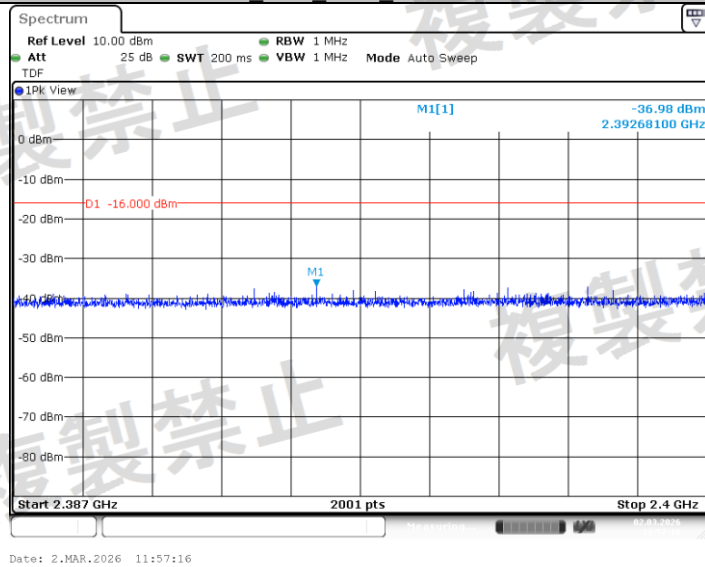
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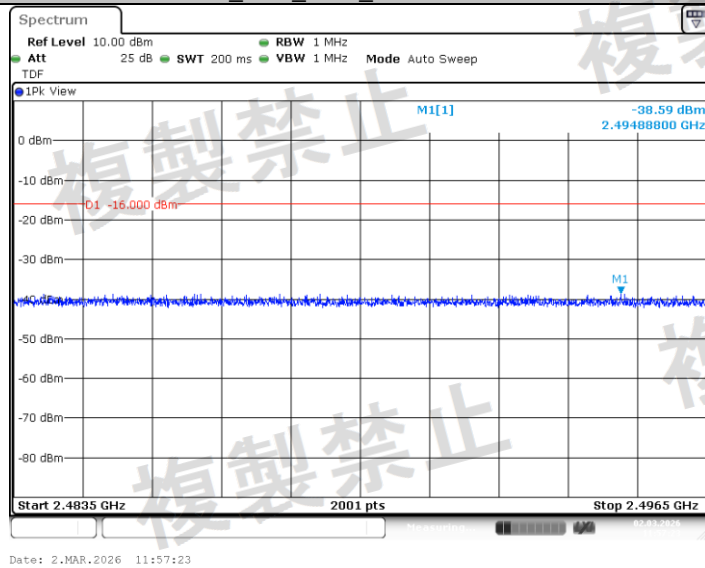
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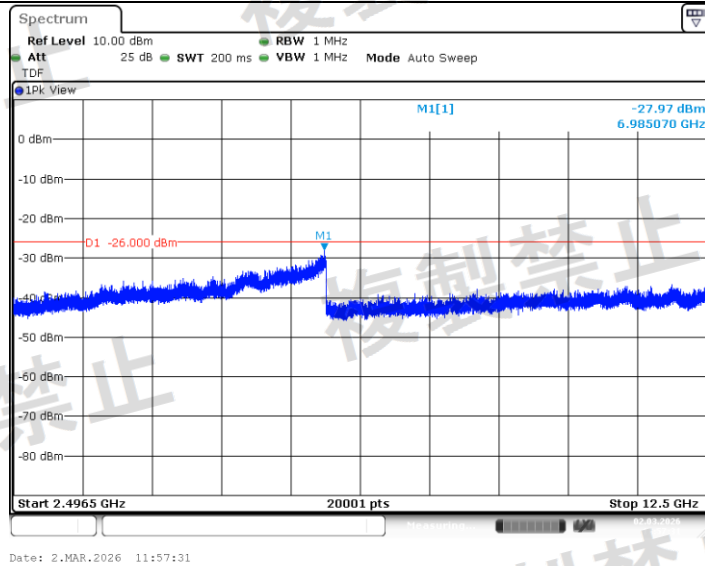
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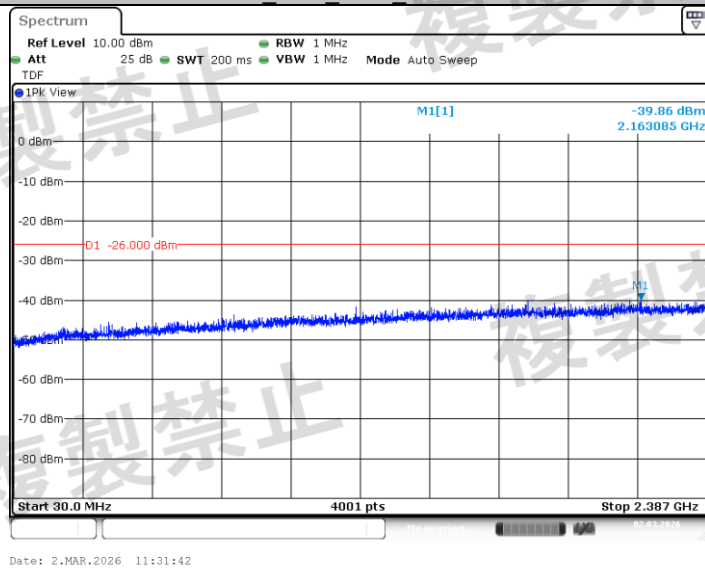
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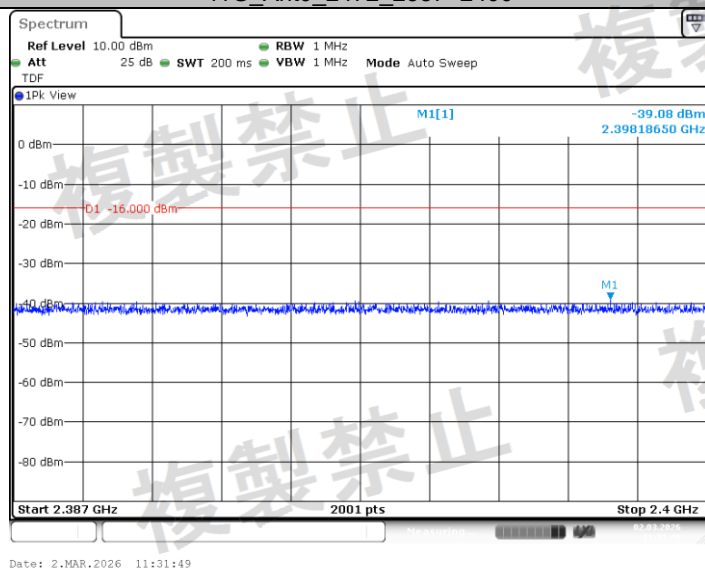
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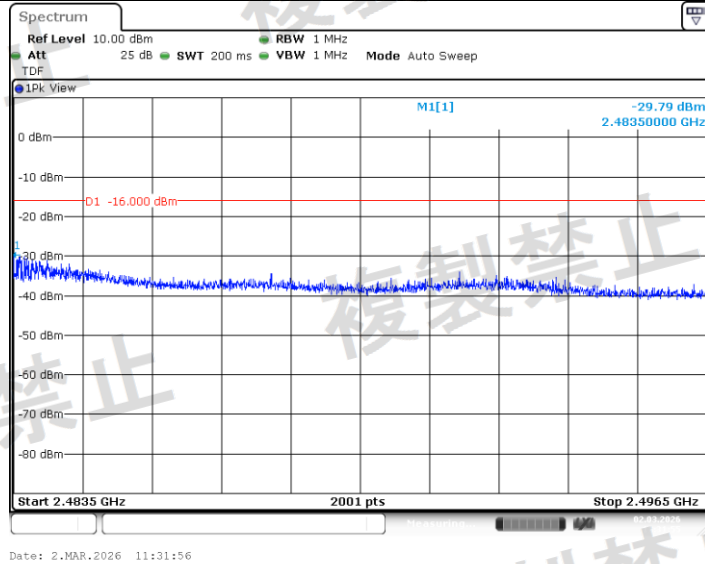
11G Ant0 2472 30~2387



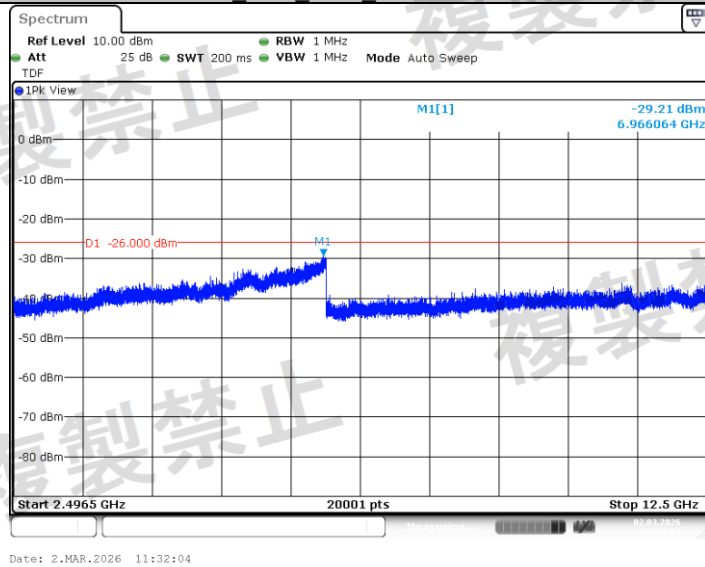
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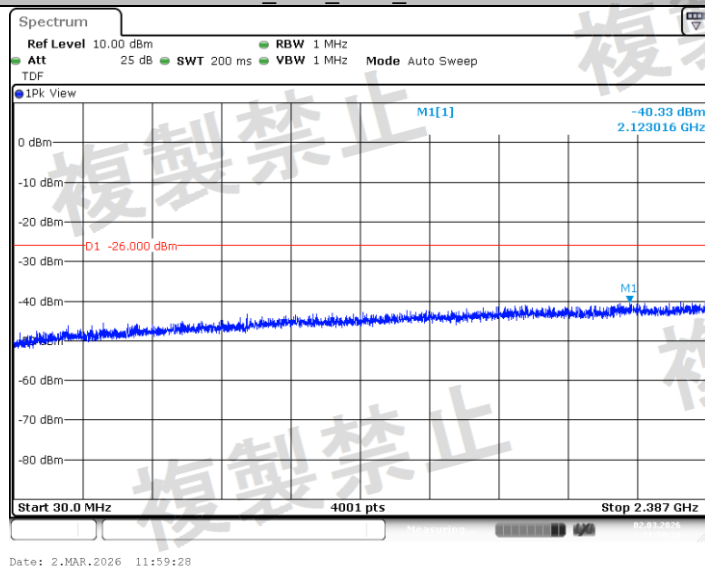
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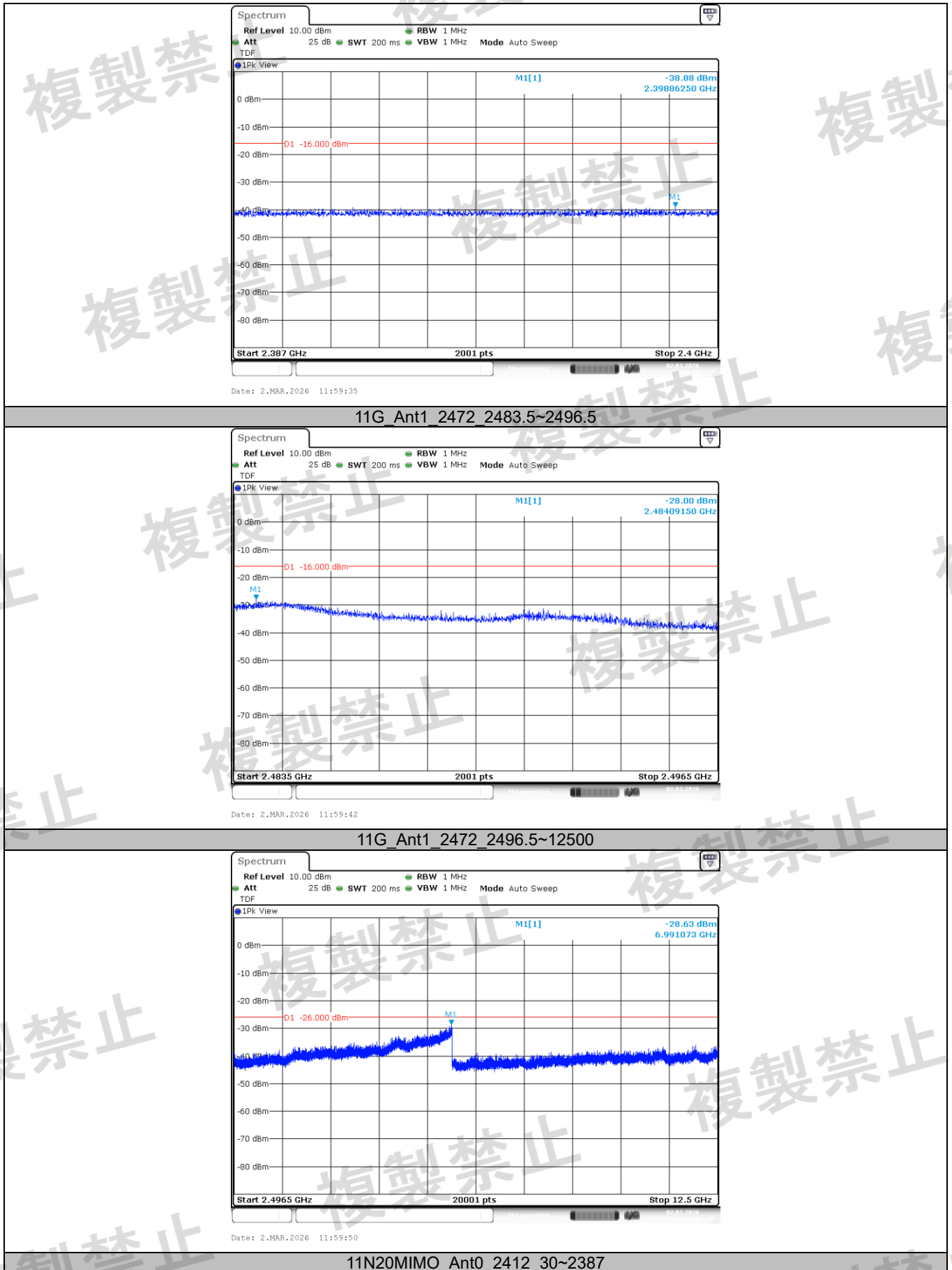
11G_Ant0 2472 2496.5~12500



11G_Ant1 2472 30~2387



11G_Ant1 2472 2387~2400



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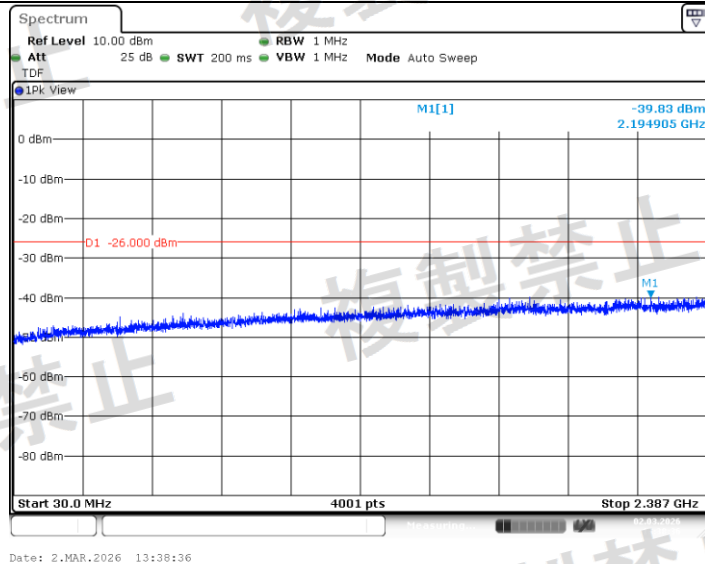
Tel.: (86)755-27521059

Fax: (86)755-27521011

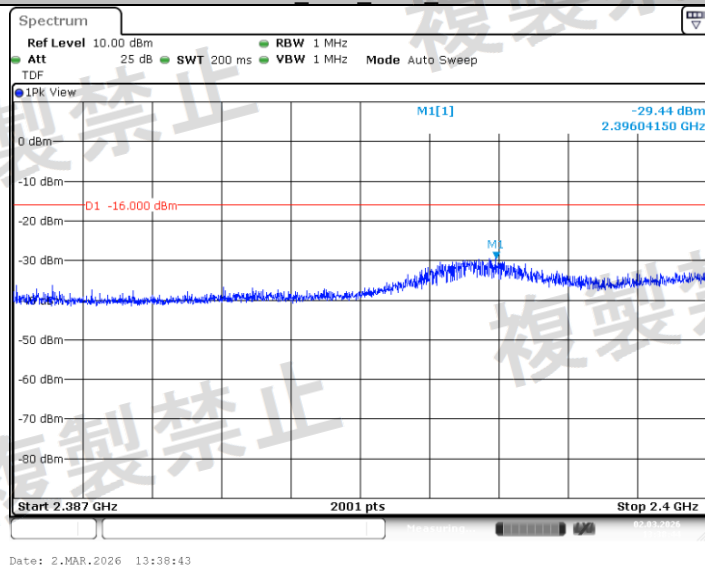
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-070_A3

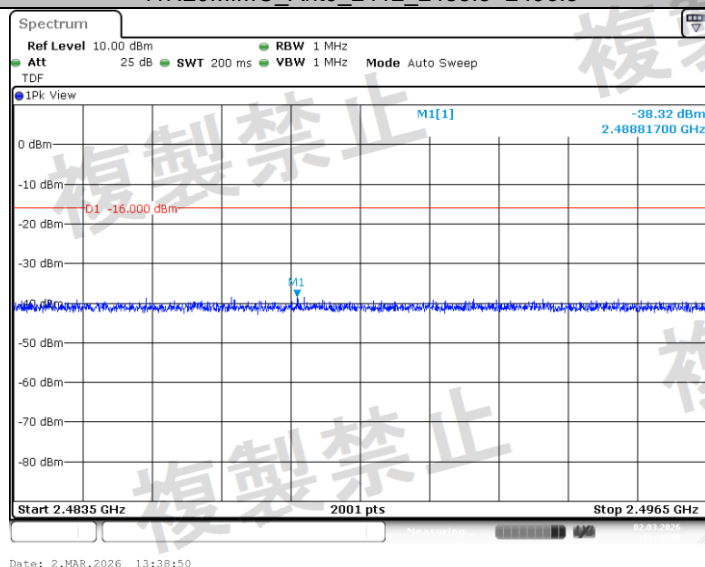
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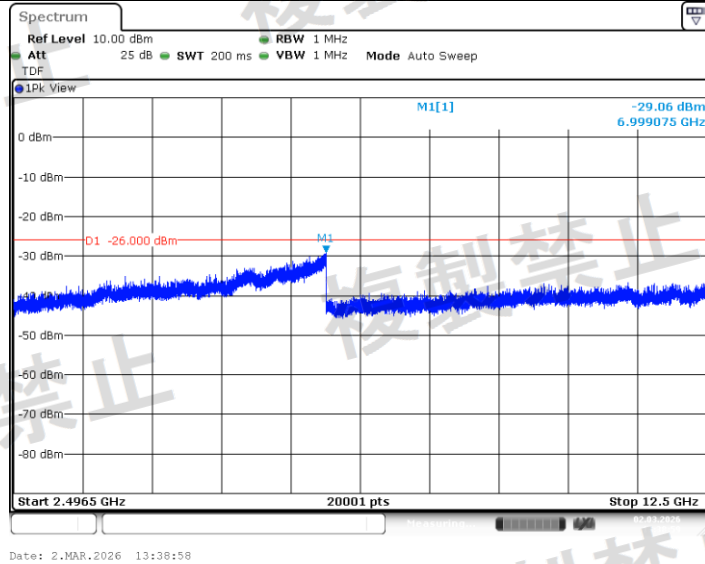
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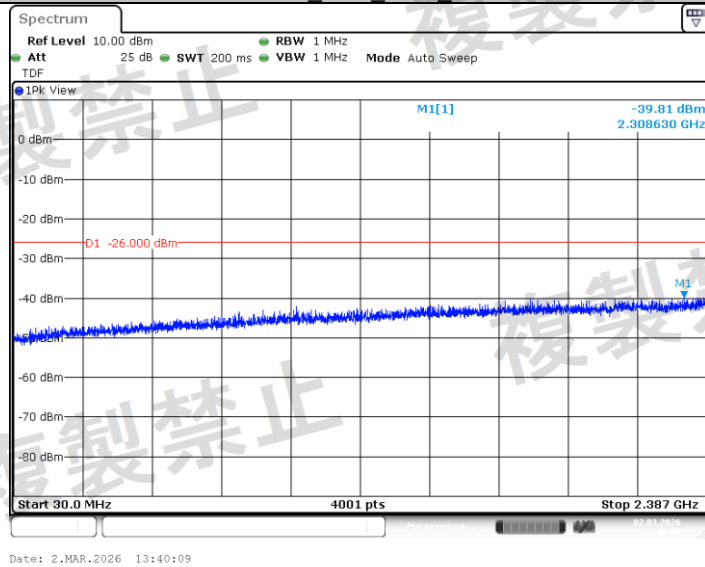
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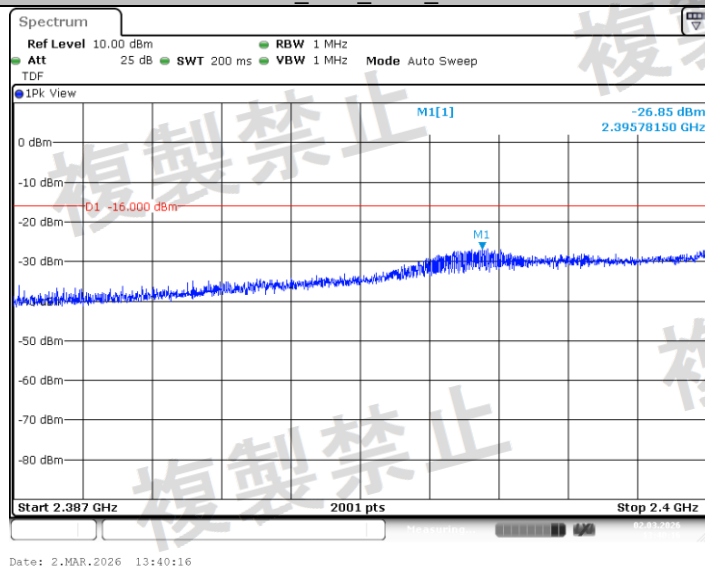
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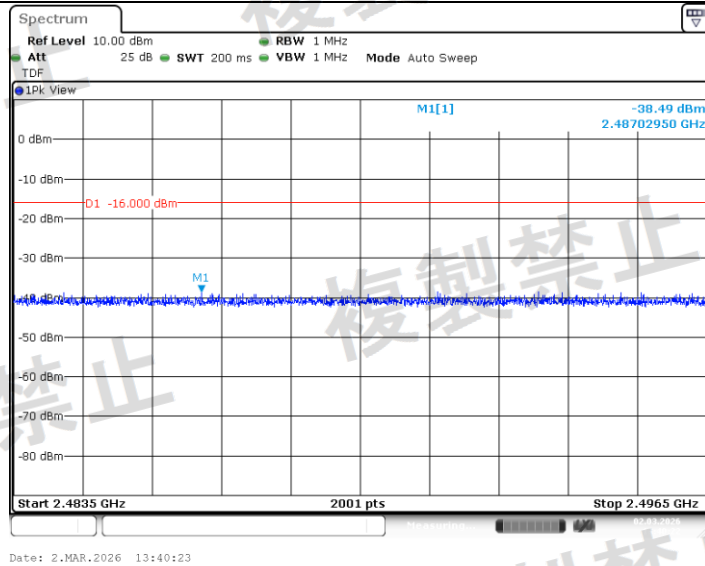
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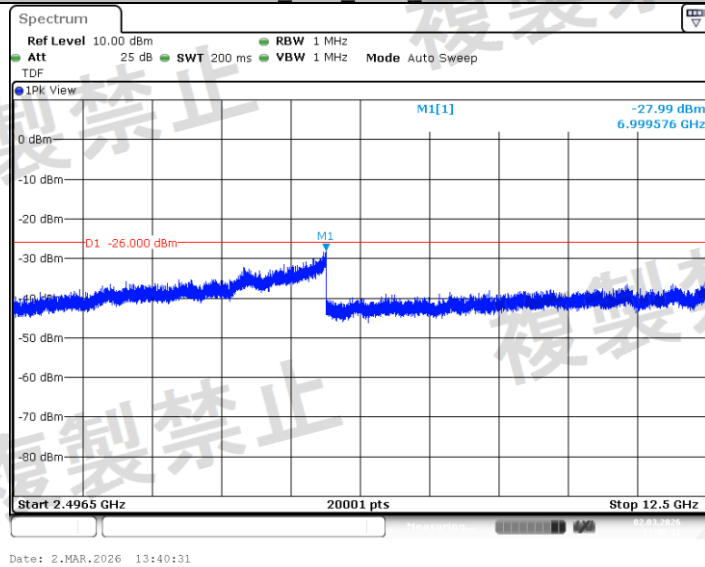
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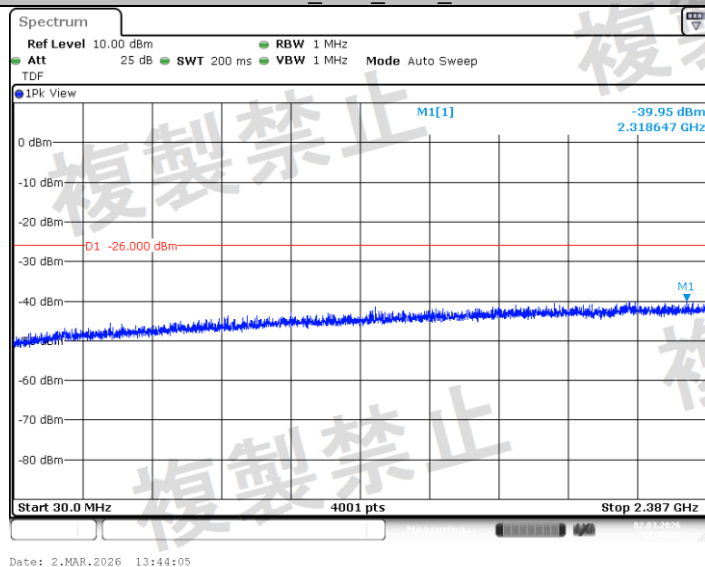
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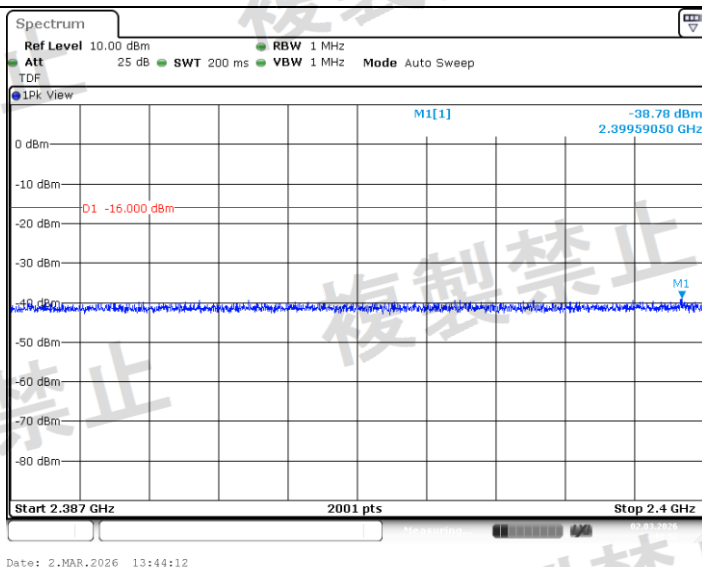
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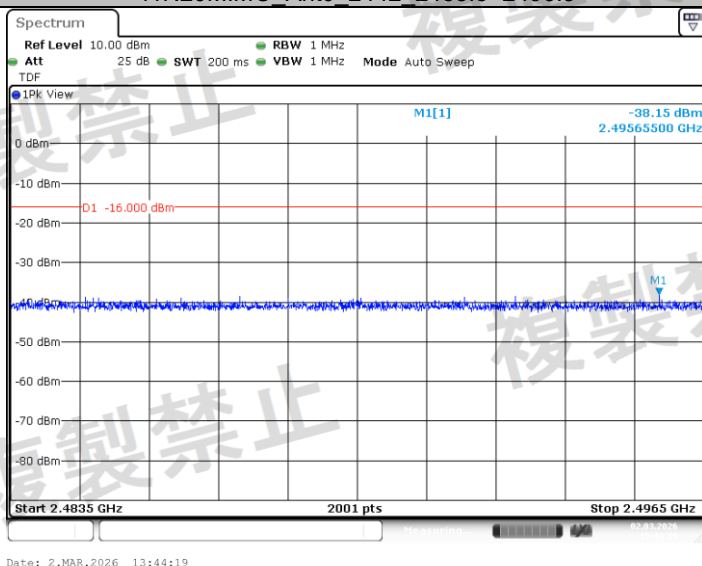
11N20MIMO_Ant0 2442 30~2387



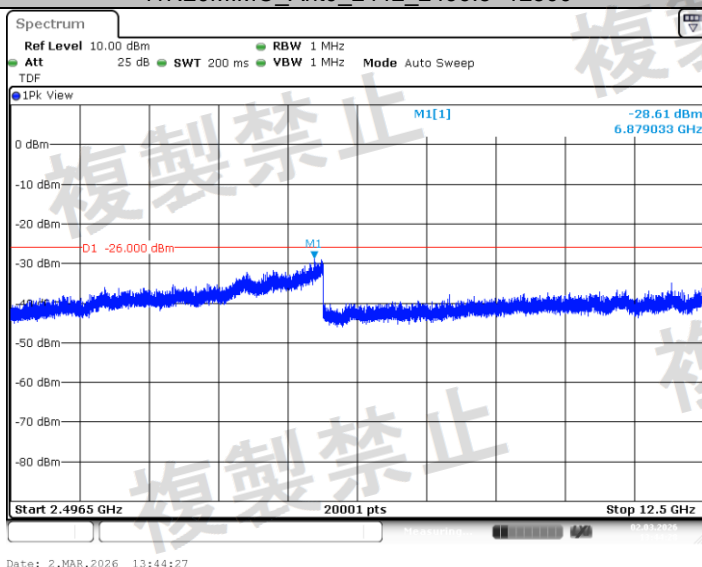
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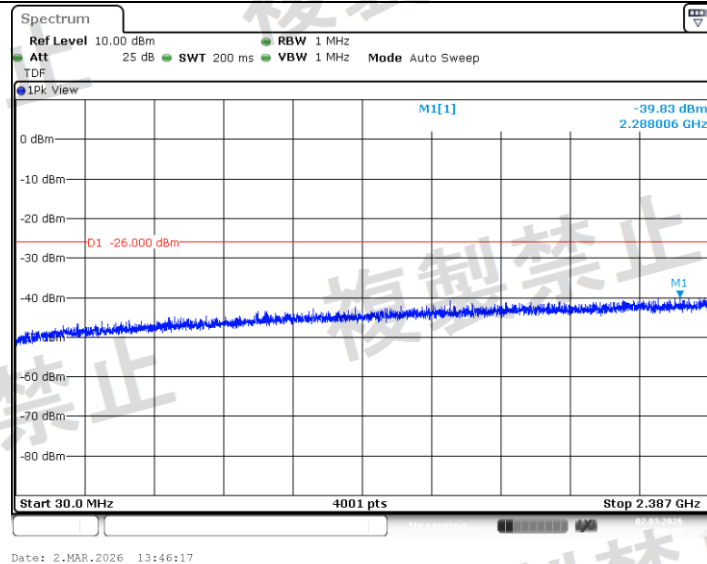
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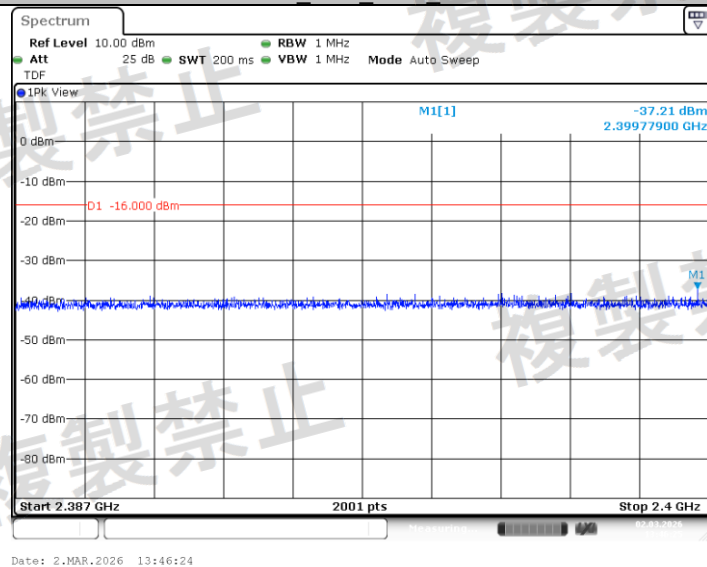
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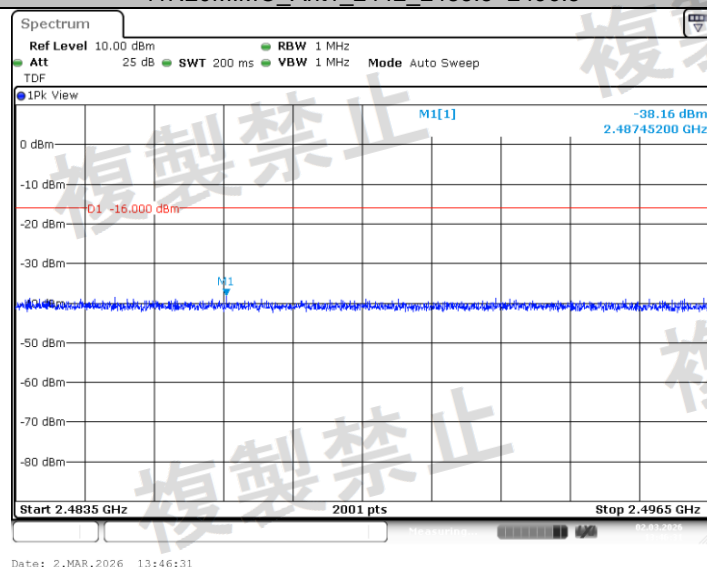
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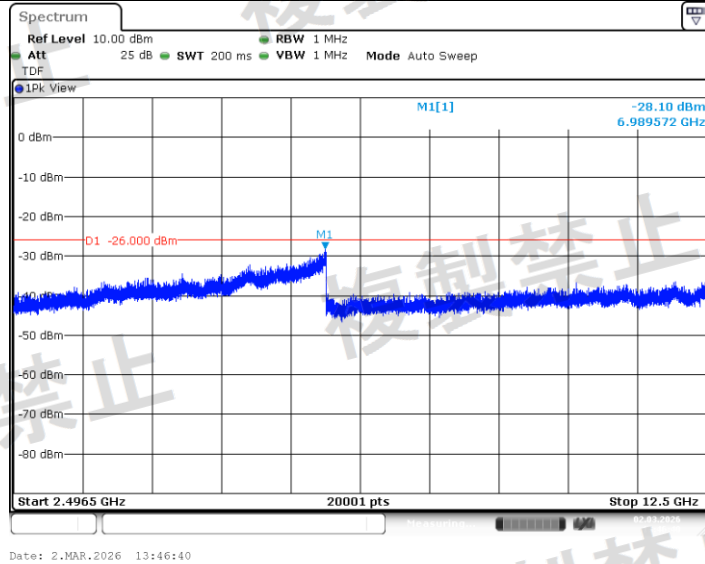
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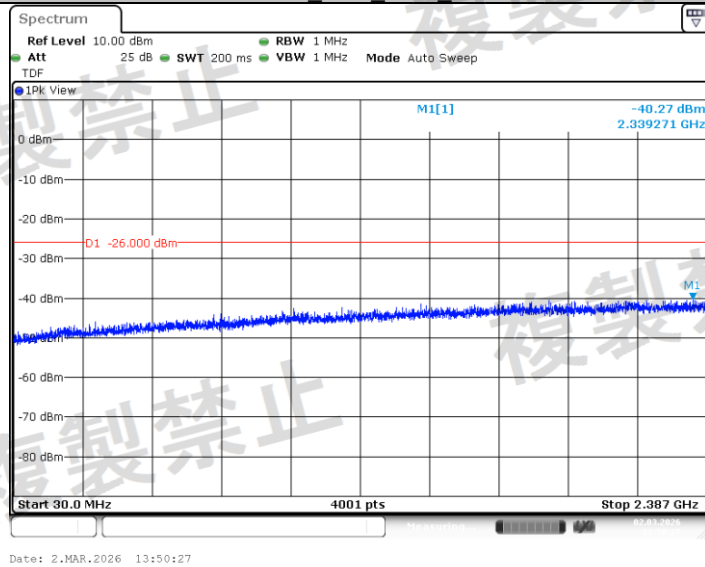
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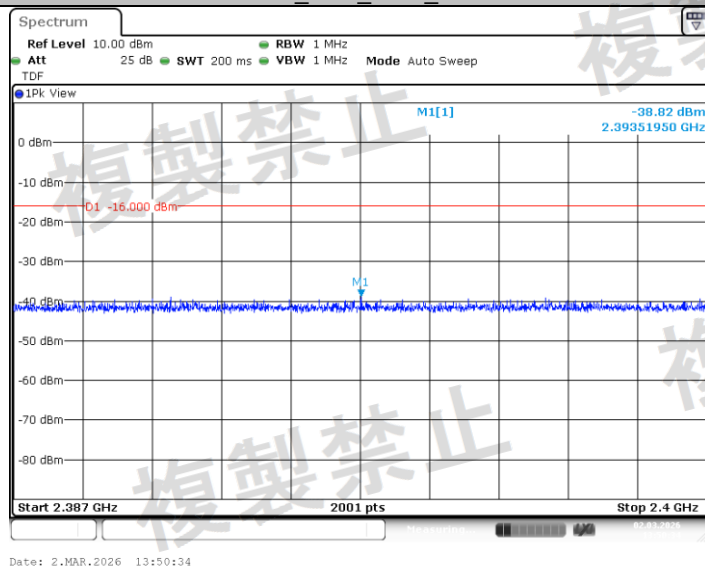
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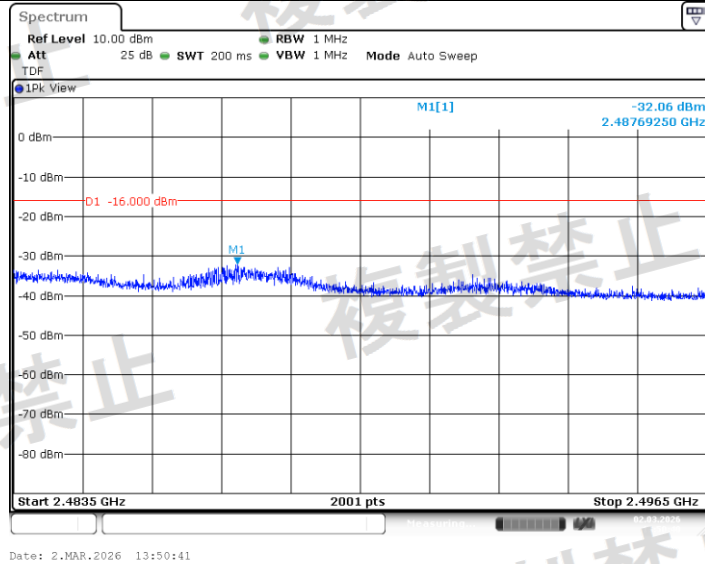
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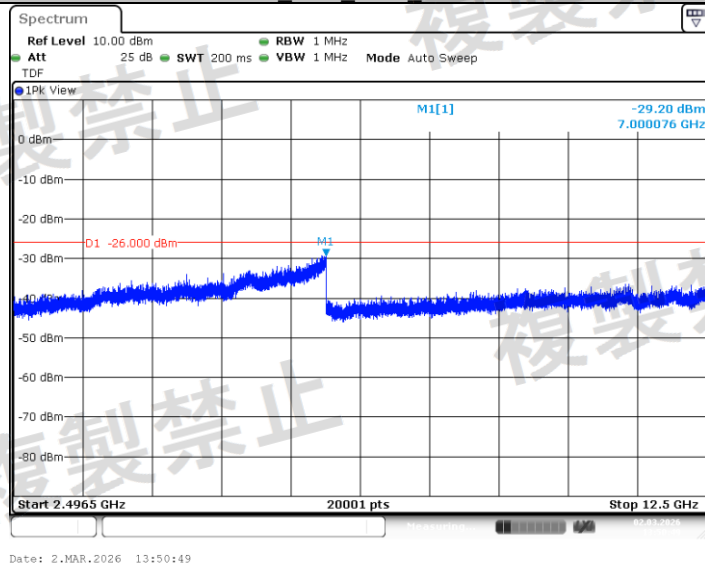
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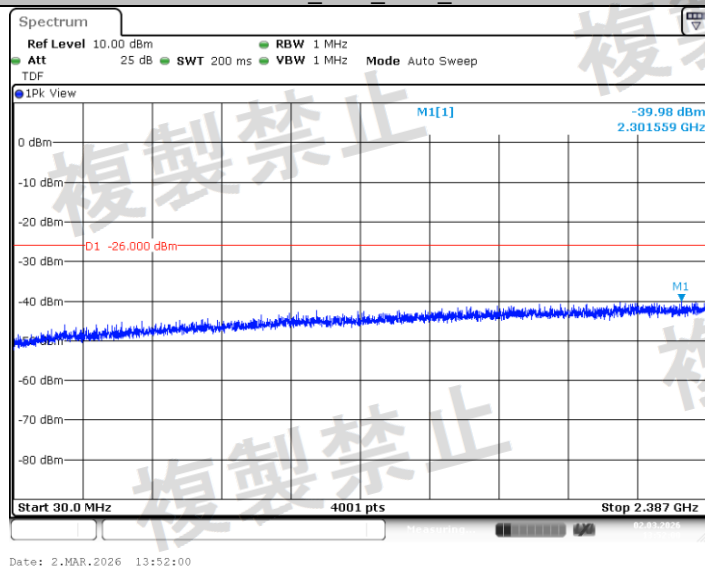
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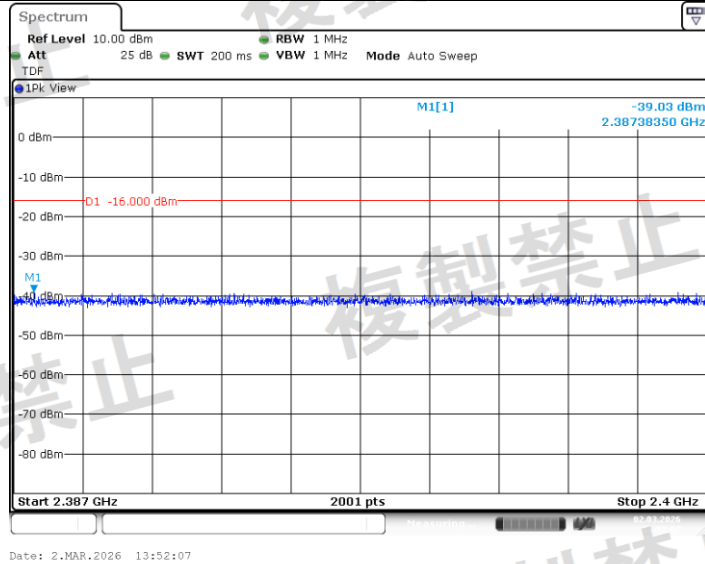
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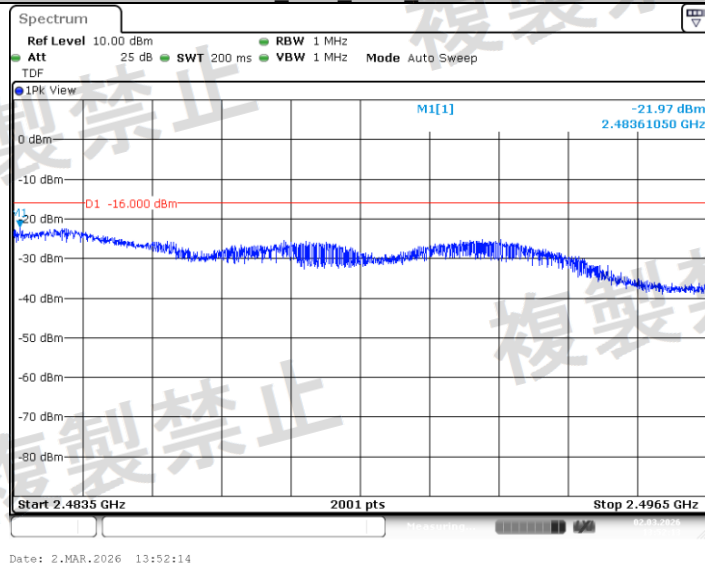
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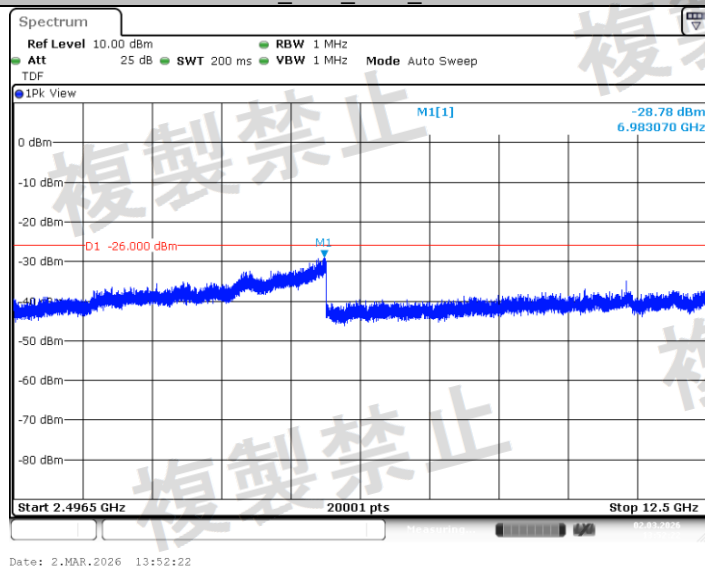
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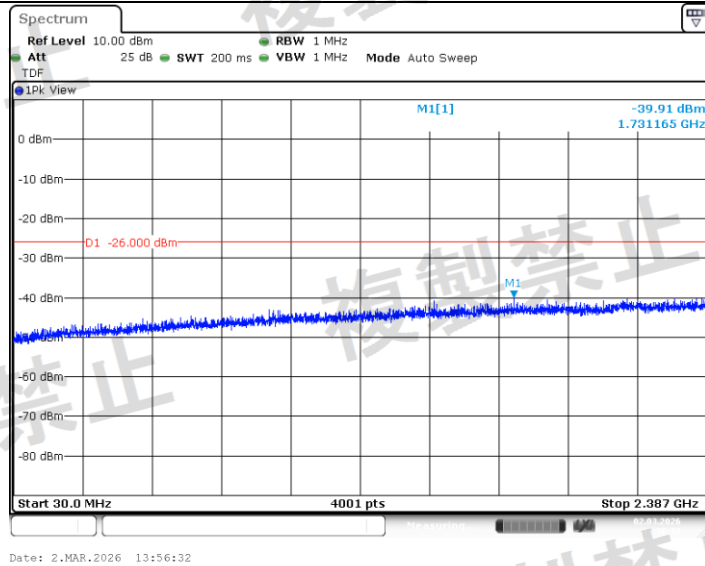
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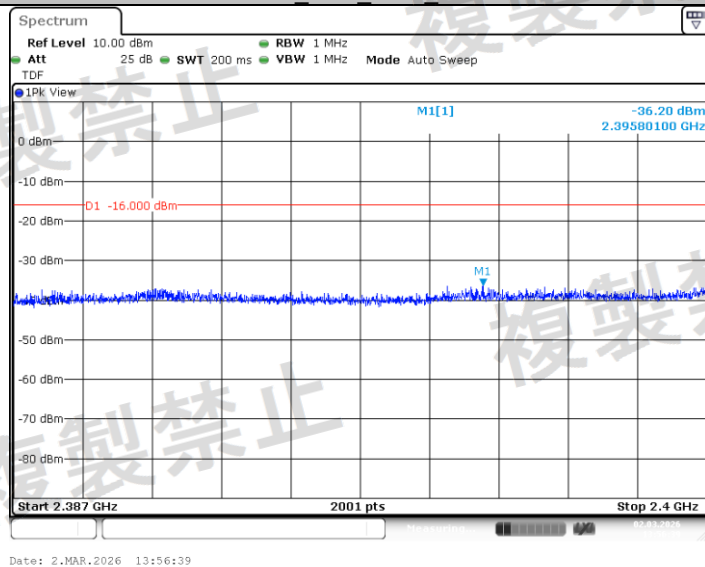
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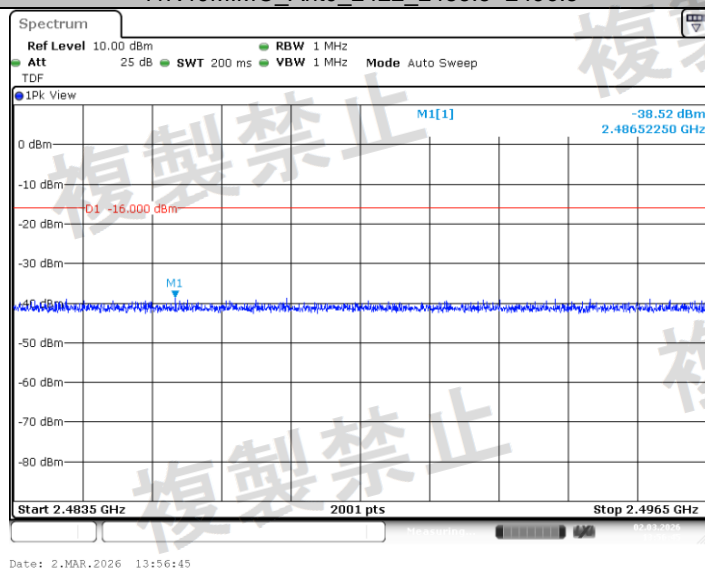
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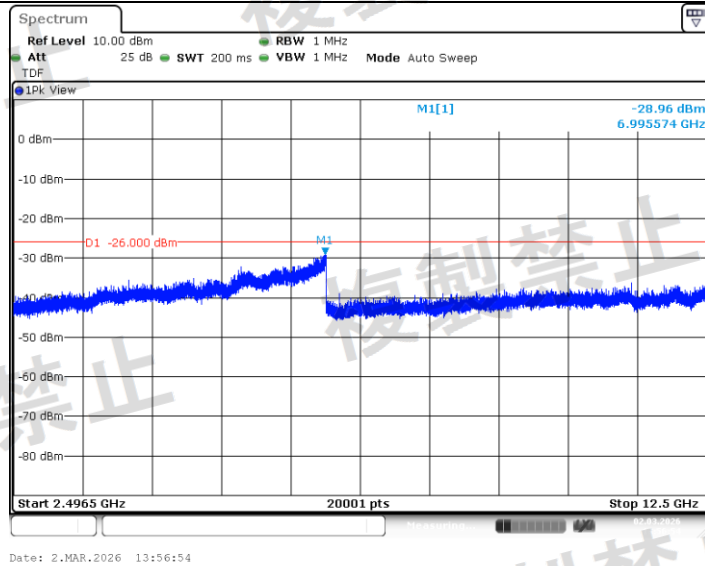
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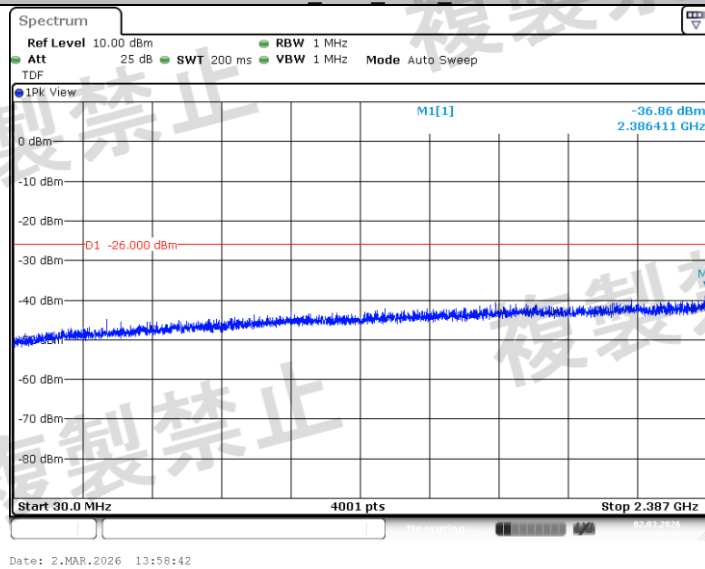
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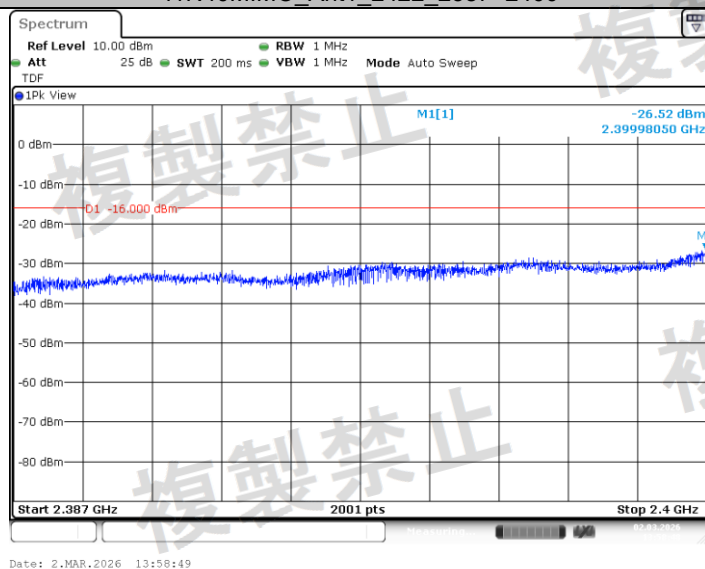
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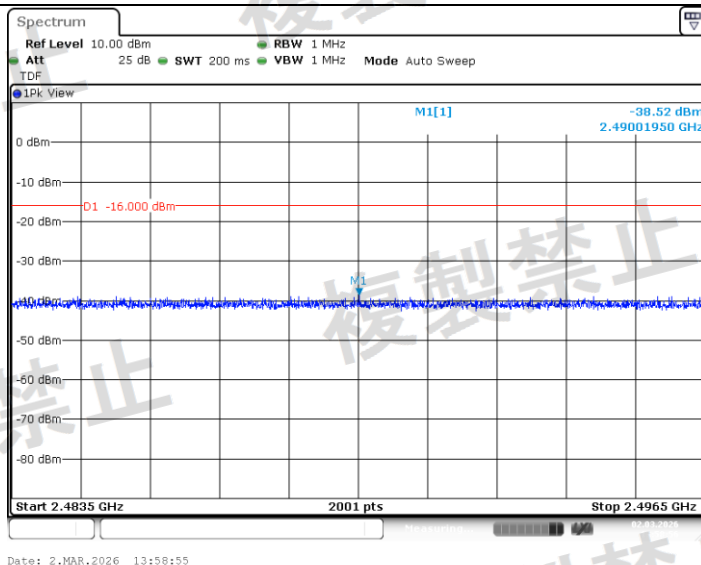
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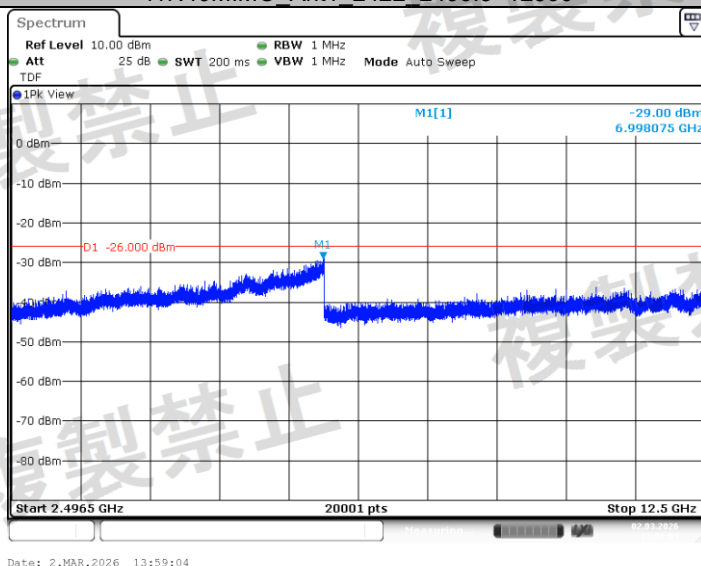
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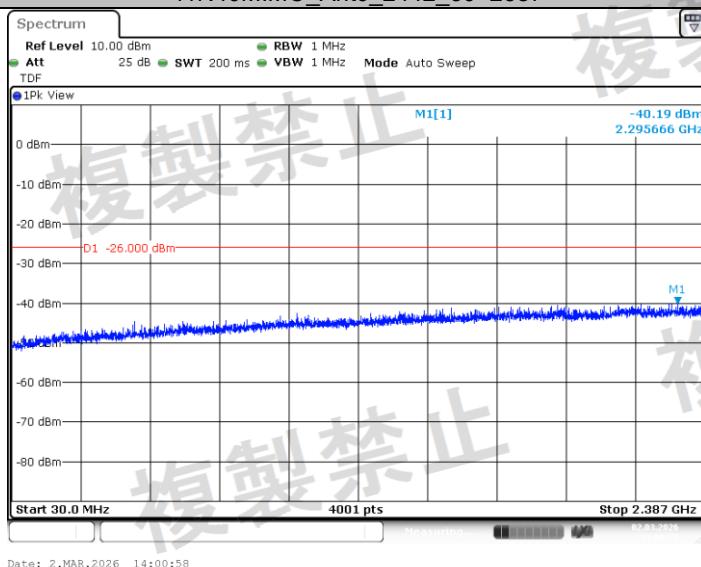
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11N40MIMO_Ant0 2442 2387~2400

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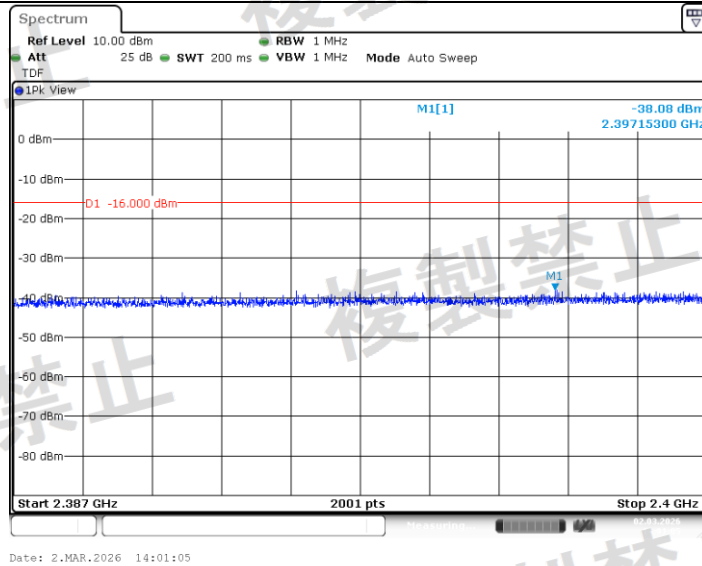
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

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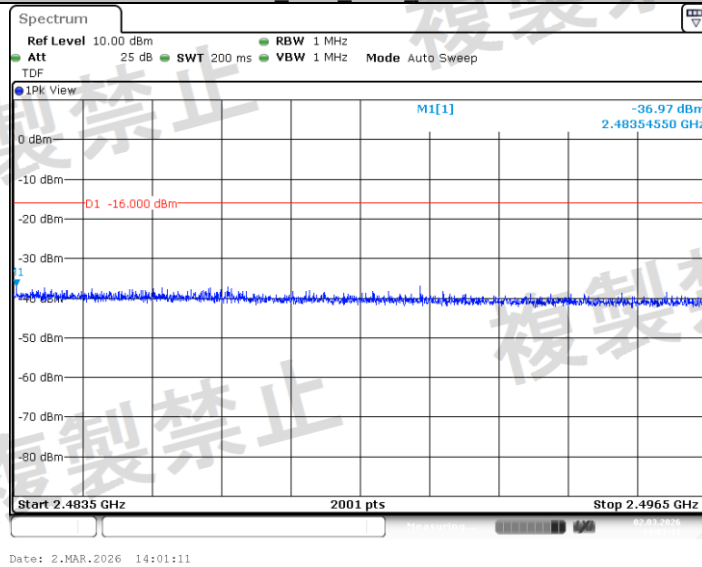
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TRF No: CTC-TR-070_A3

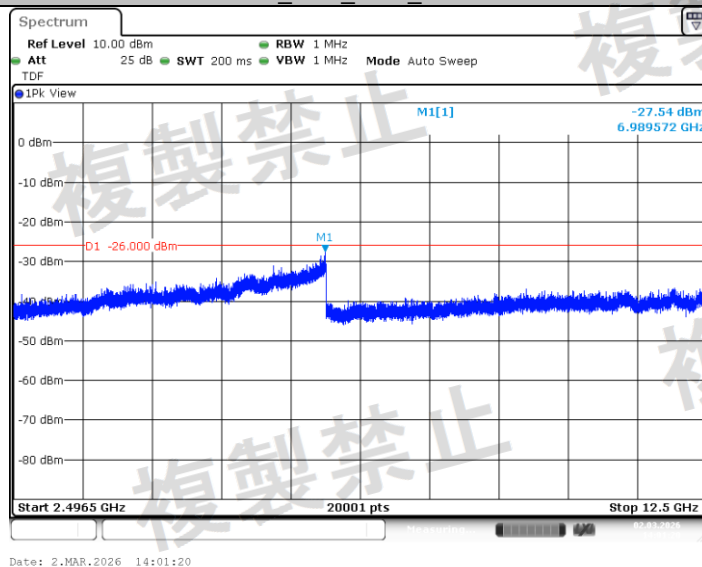
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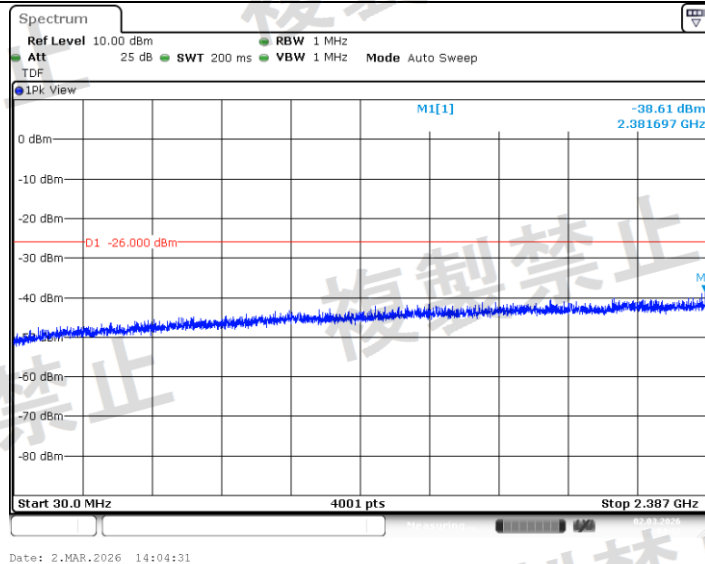
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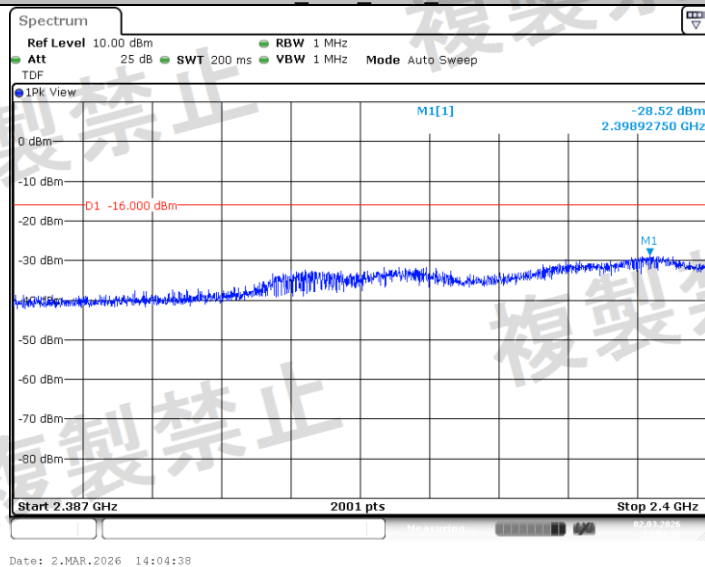
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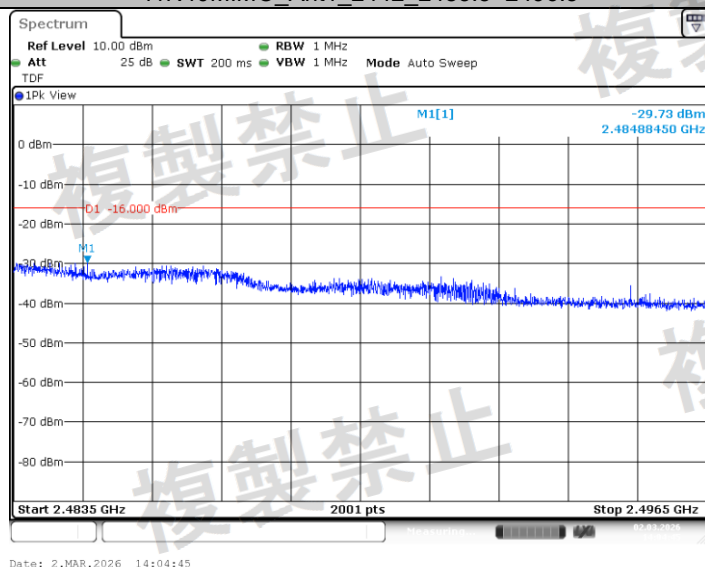
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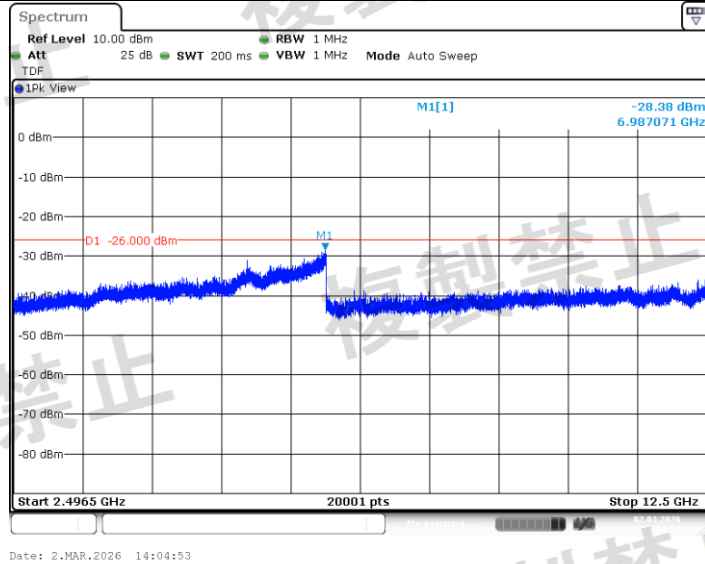
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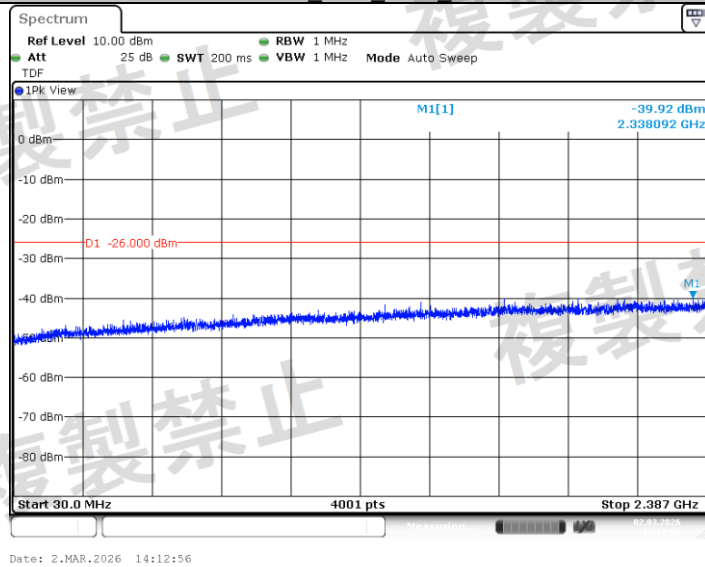
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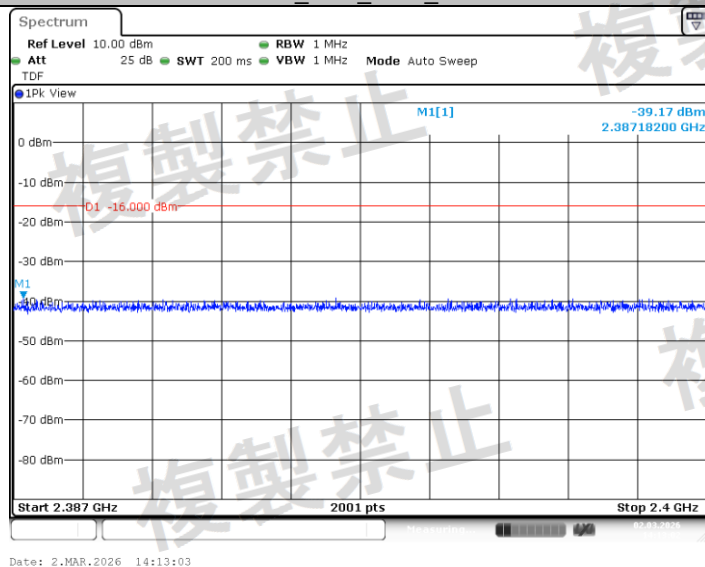
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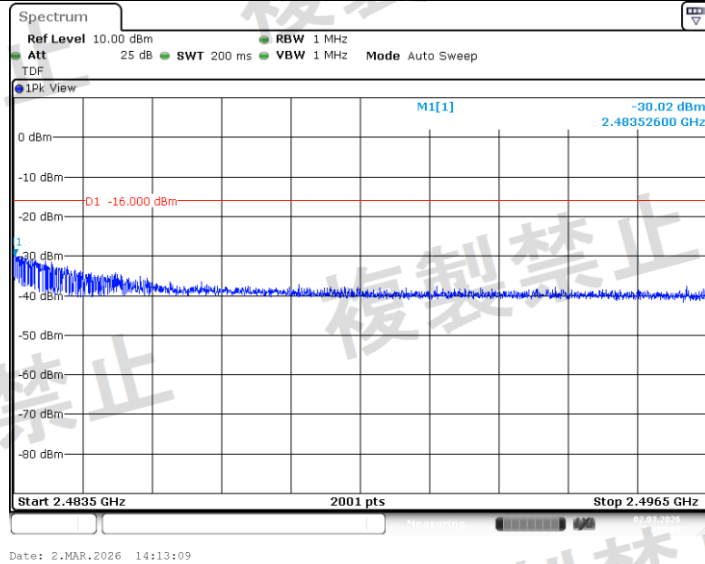
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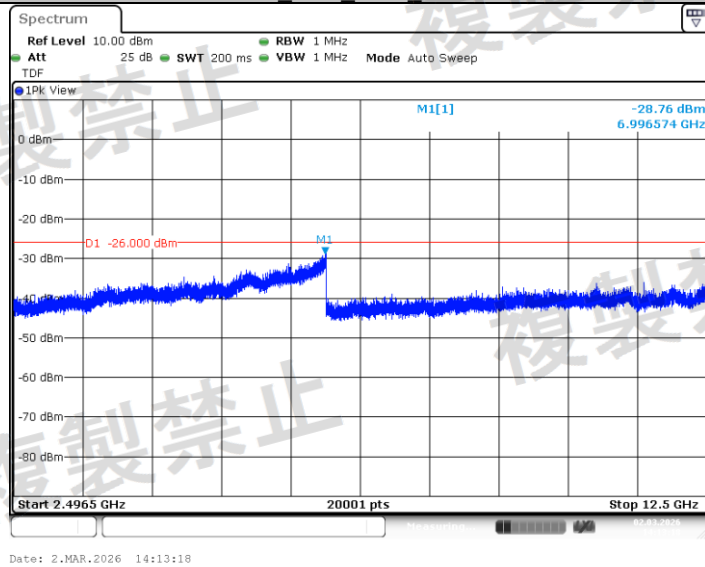
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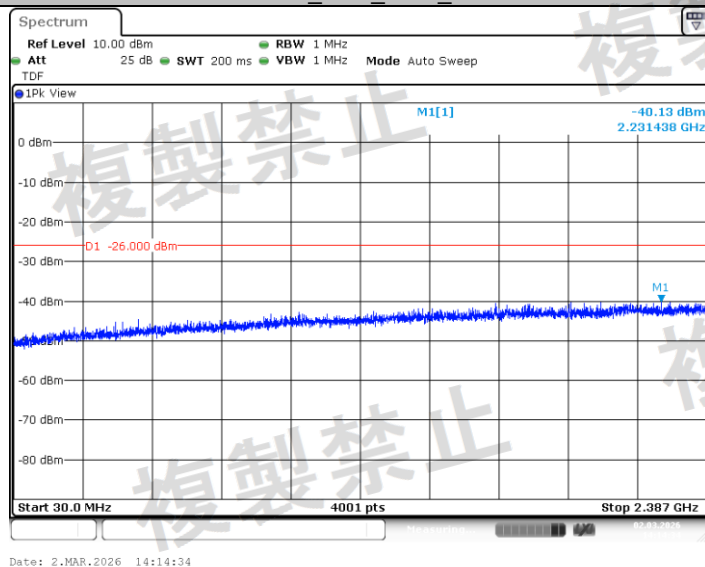
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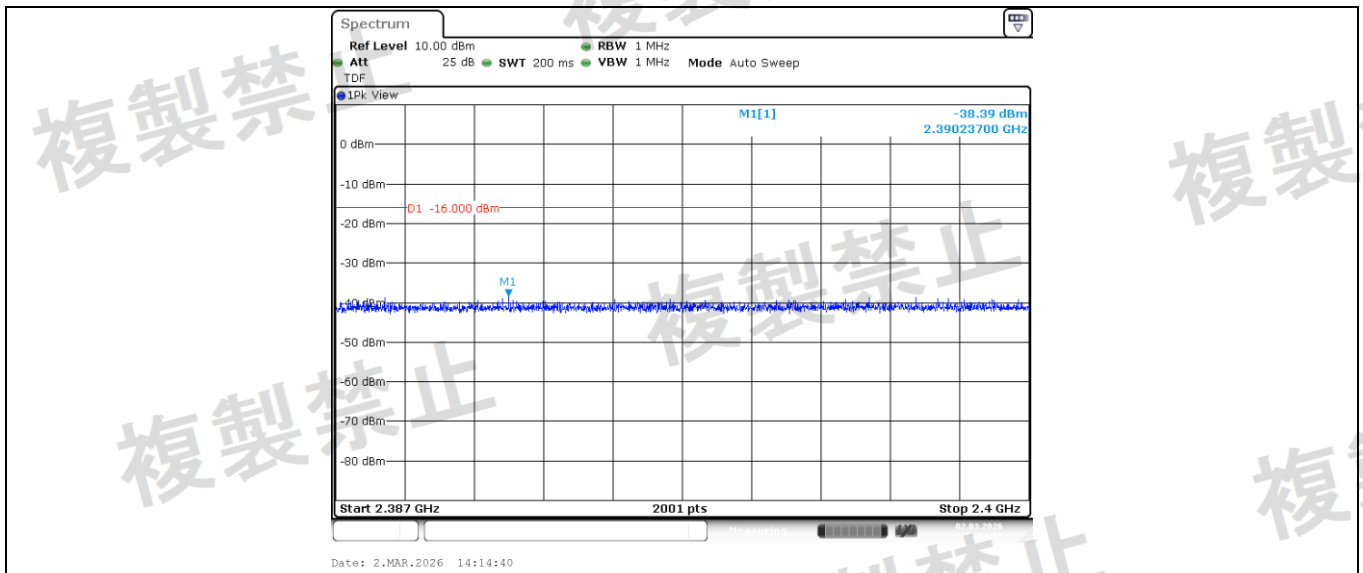
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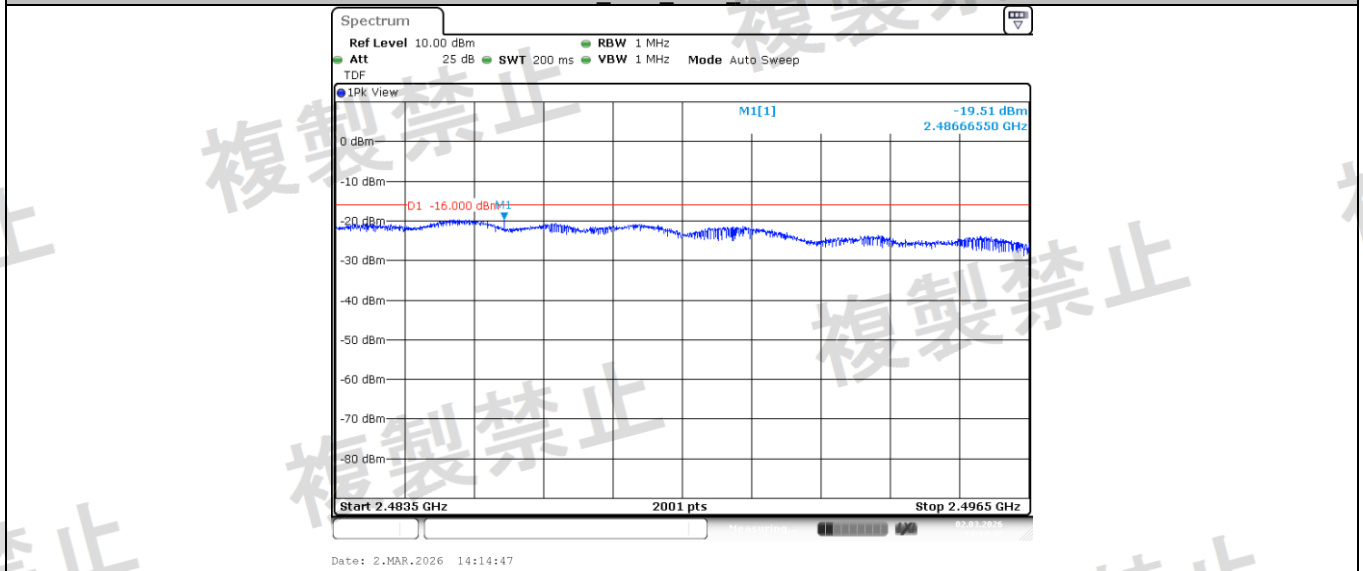
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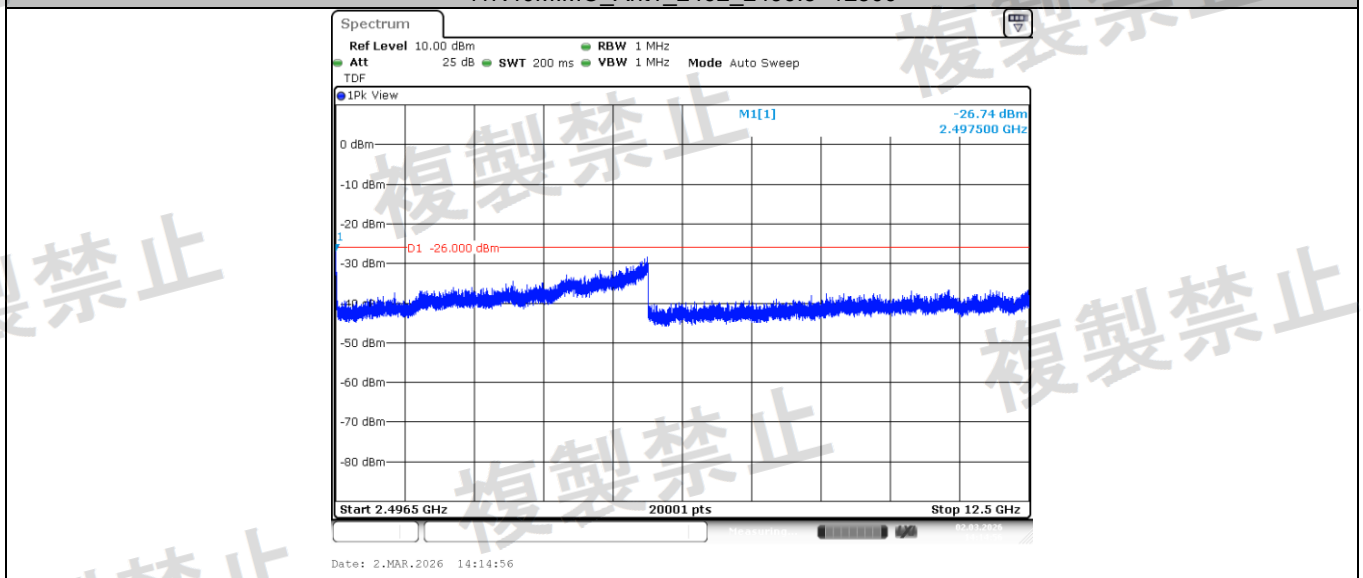
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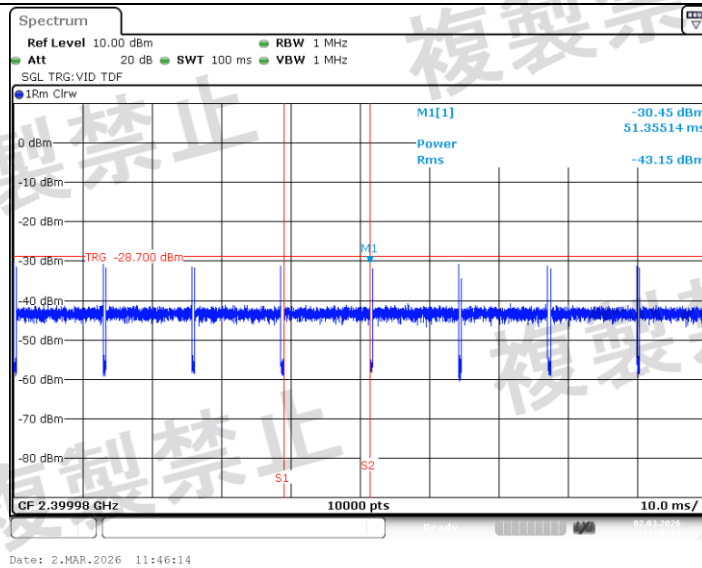
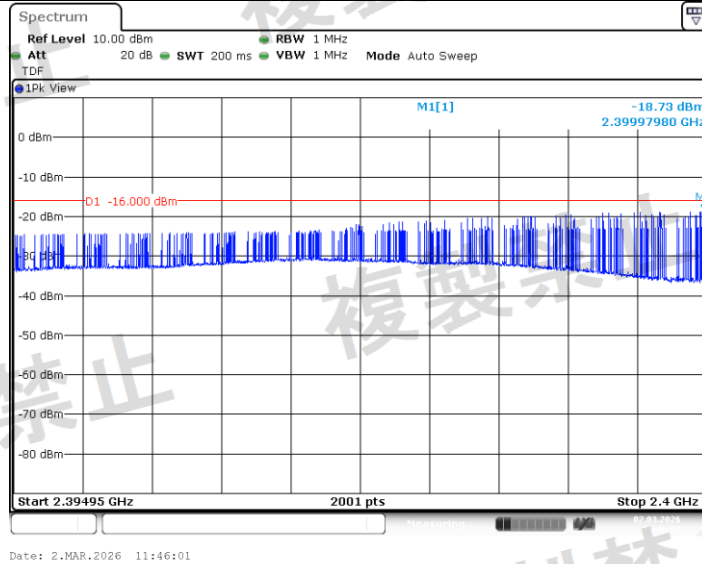


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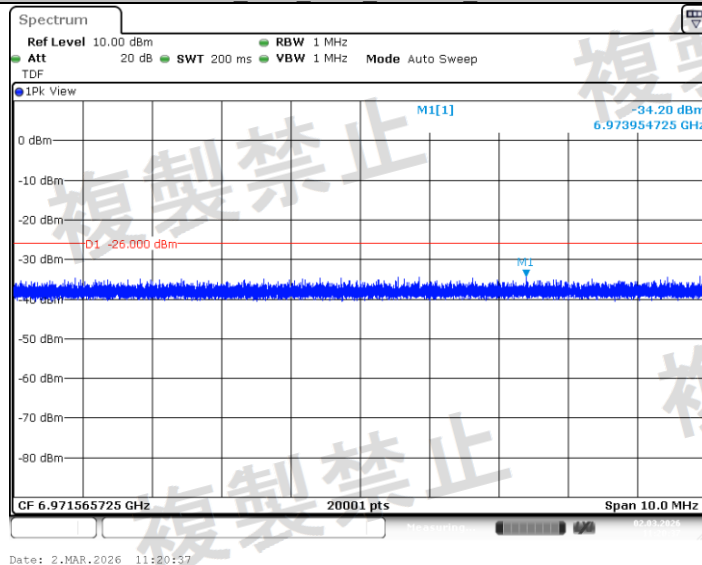


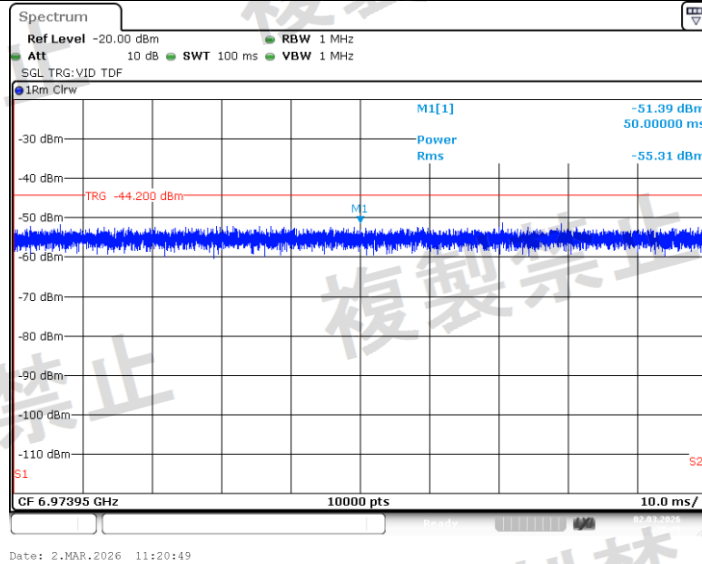
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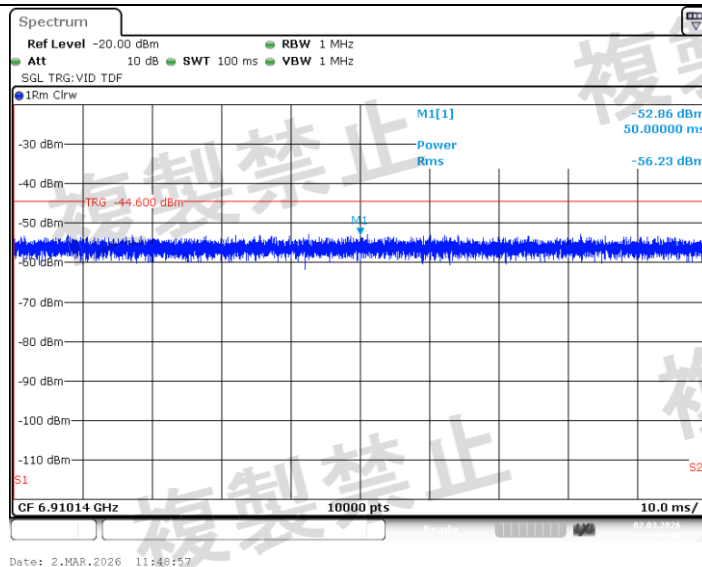
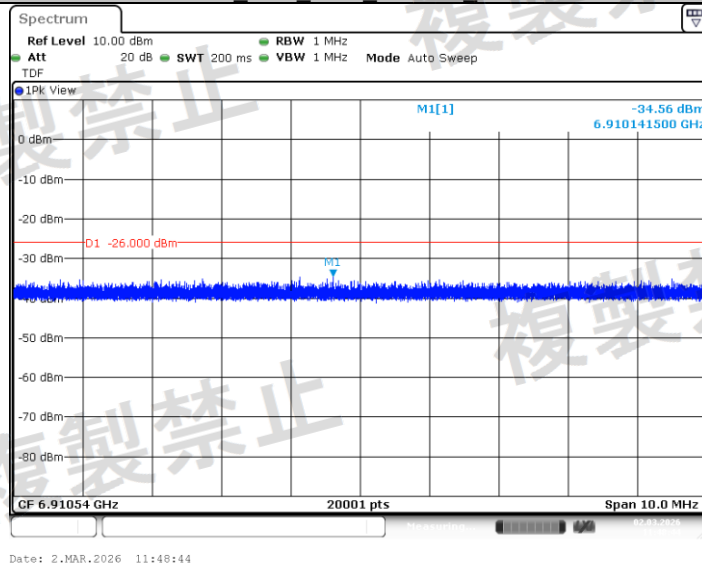


11B Ant0 2442 6971.57 Ant0





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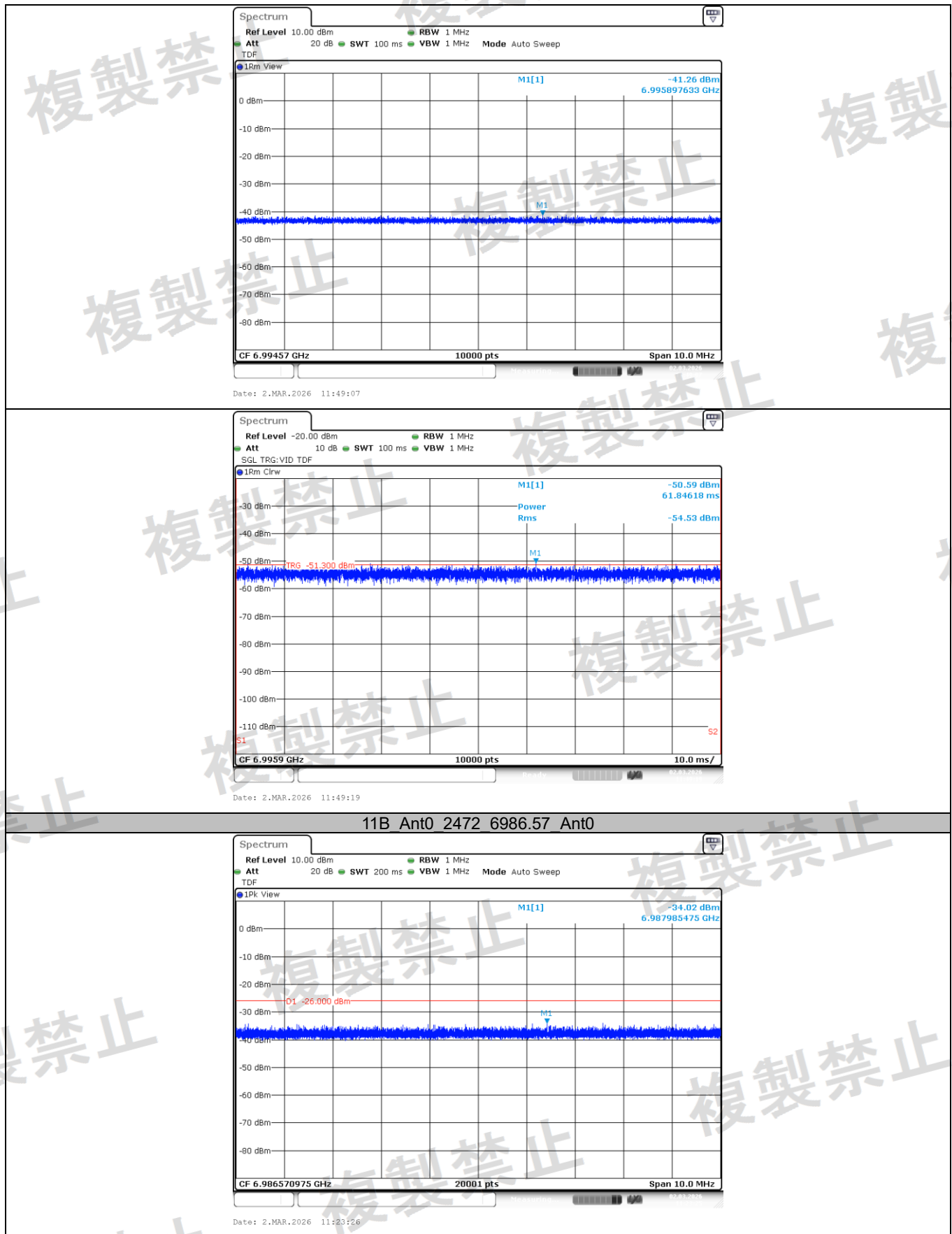
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict,
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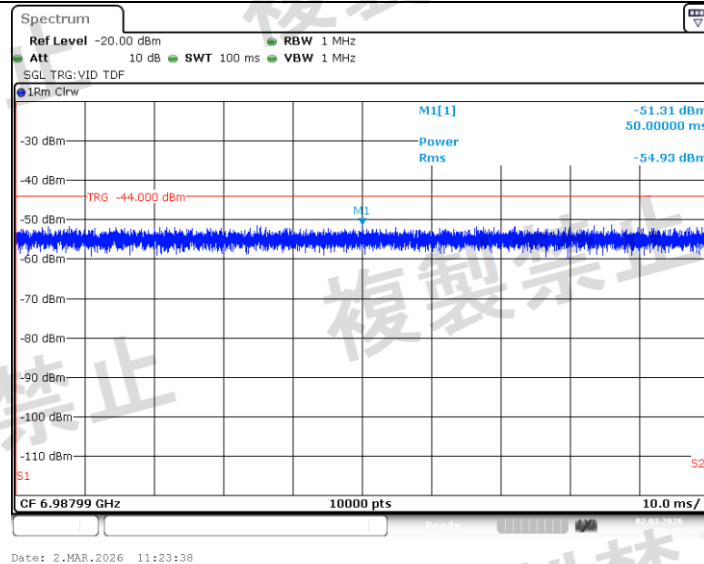
Tel.: (86)755-27521059 Fax: (86)755-27521011

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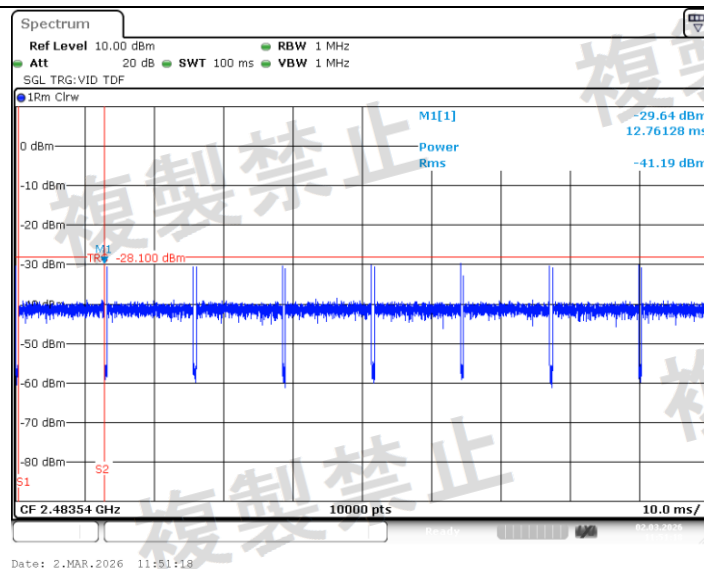
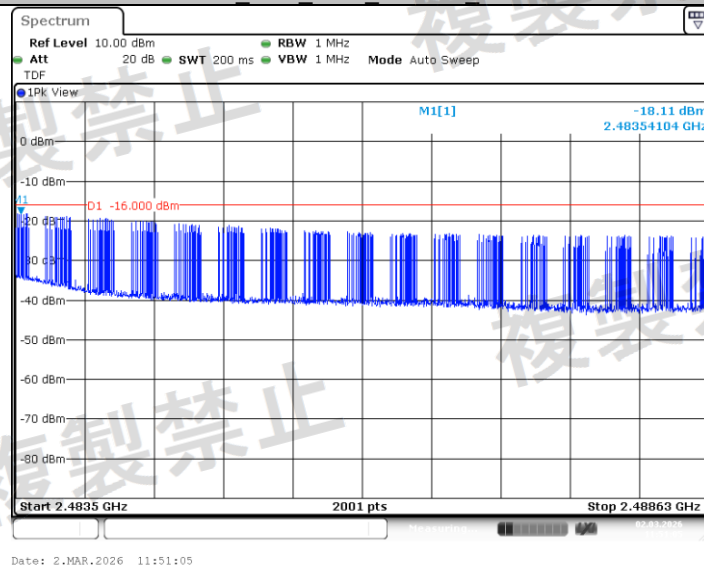
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11B Ant1 2472 2483.63 Ant1



11B Ant1 2472 6992.07 Ant1

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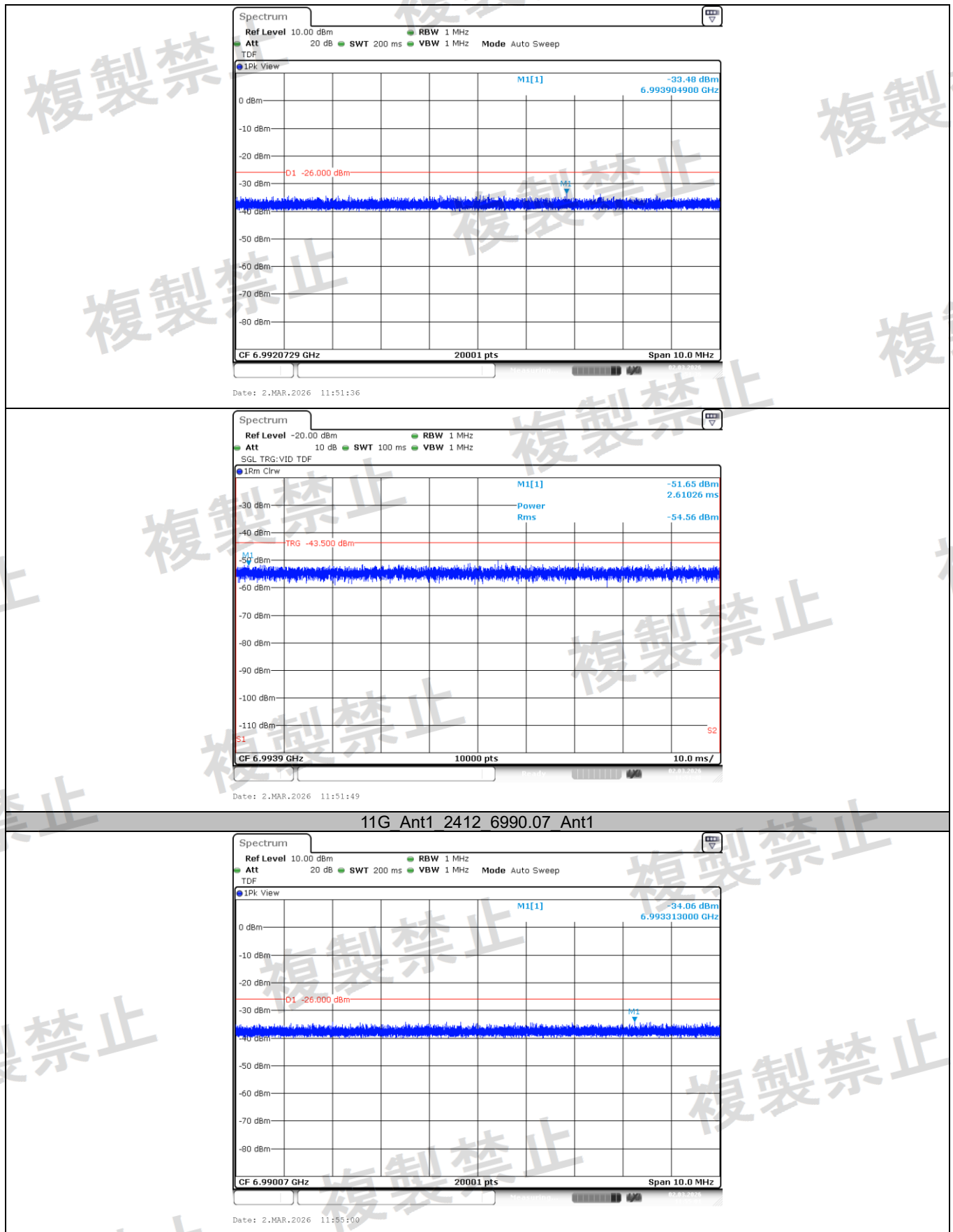
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict,
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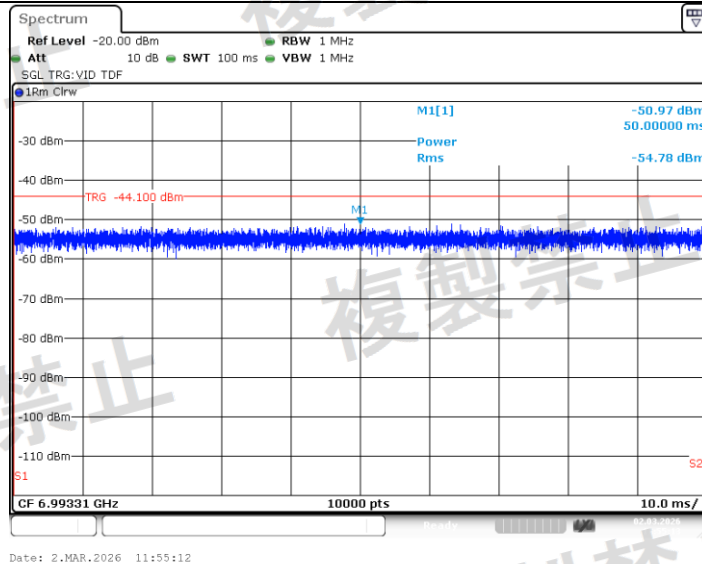


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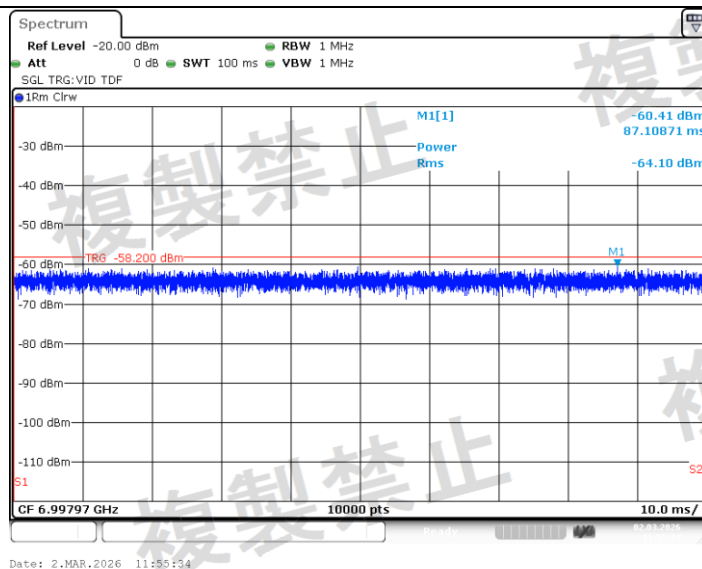
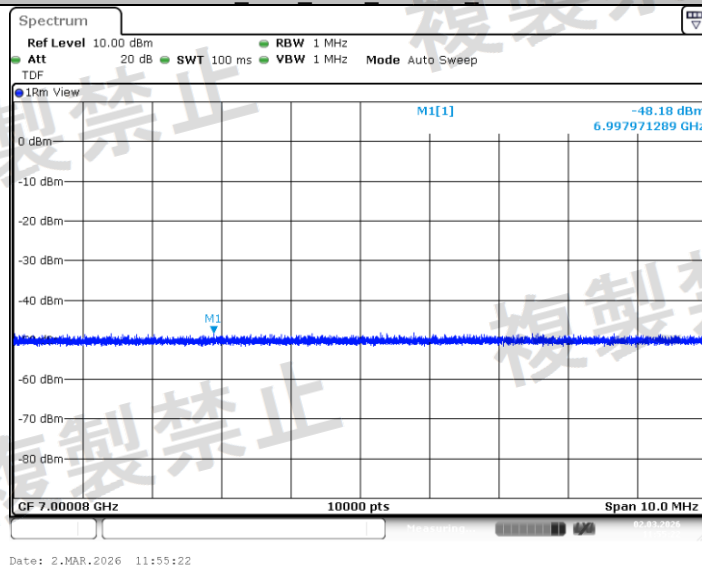
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict,
Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-070_A3

Master TRF : Dated 2026-01-01



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11G_Ant0_2442_6983.57_Ant0

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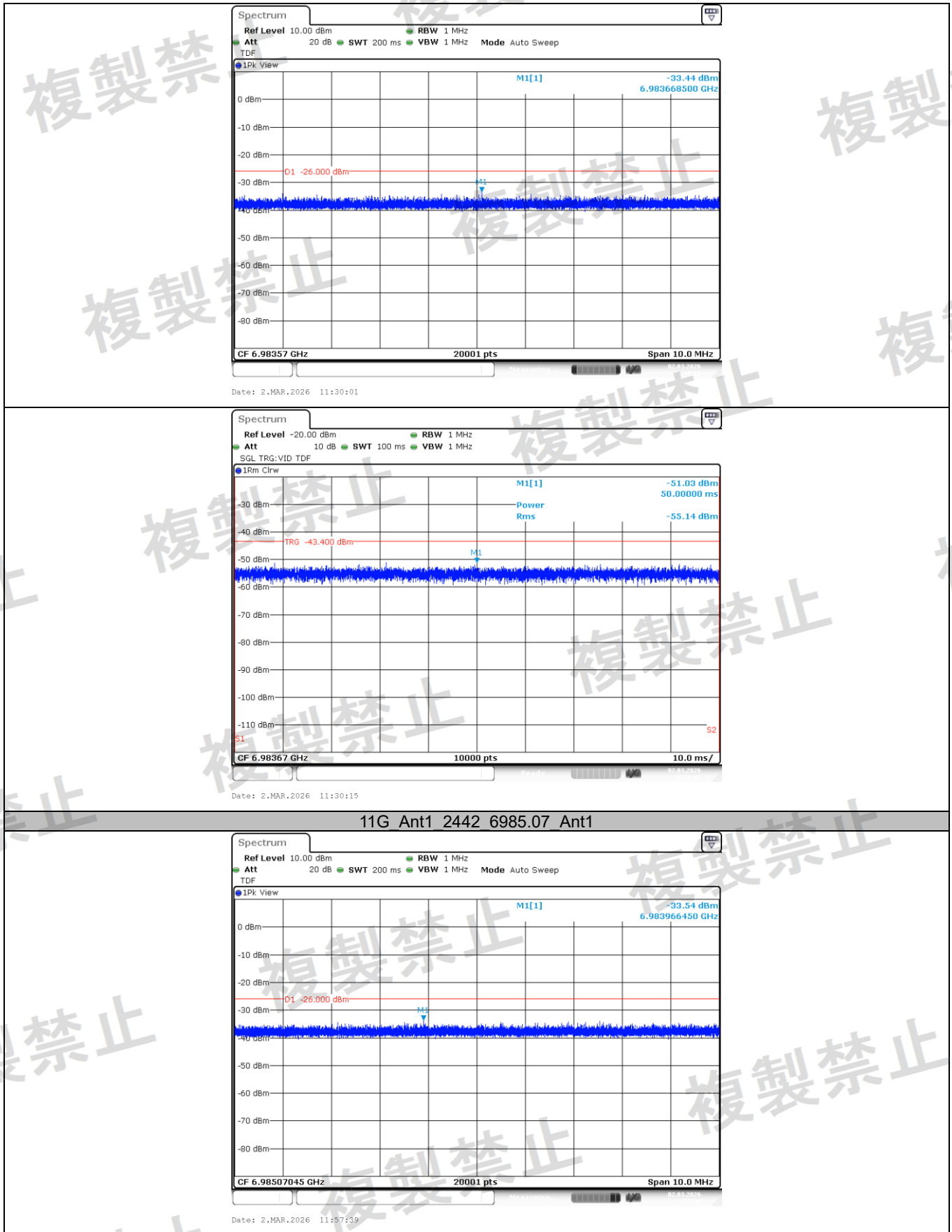
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict,
Longhua District, Shenzhen, Guangdong, China

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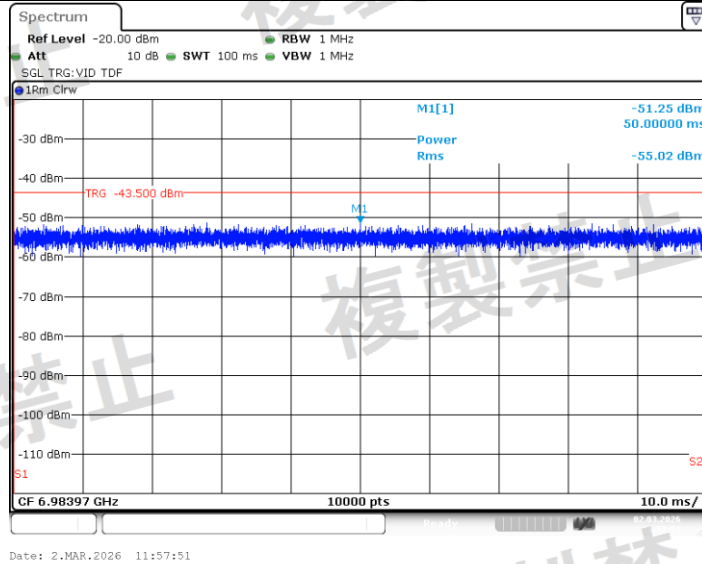
Tel.: (86)755-27521059

Fax: (86)755-27521011

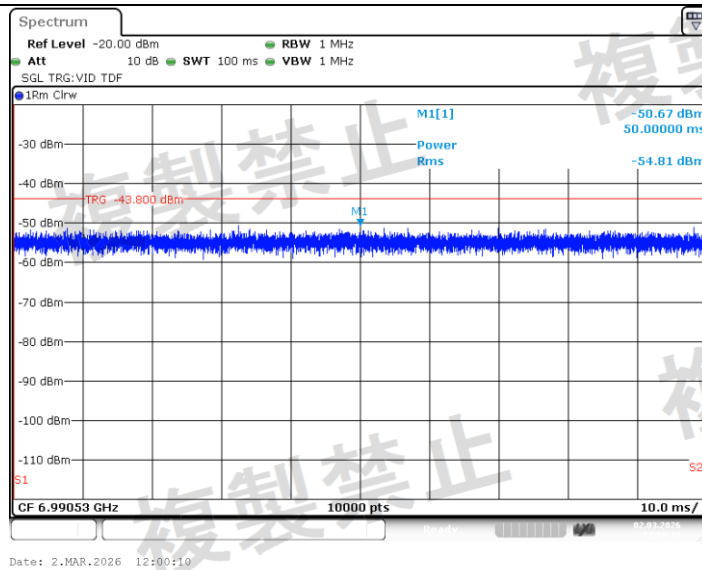
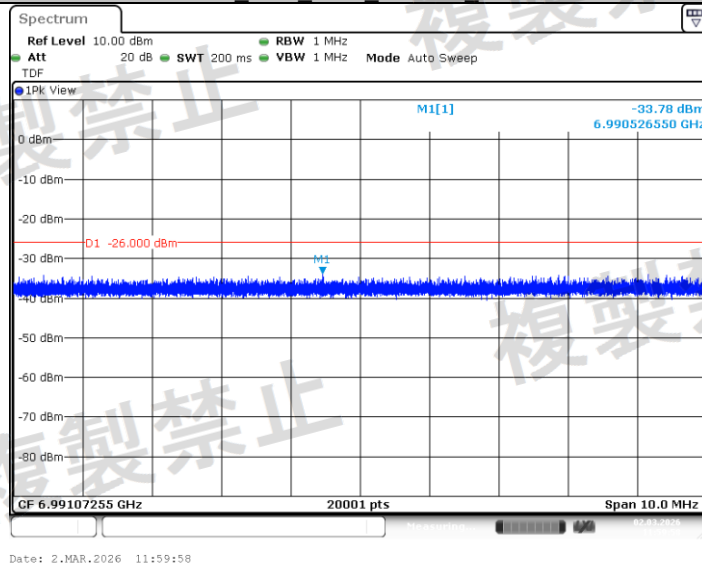
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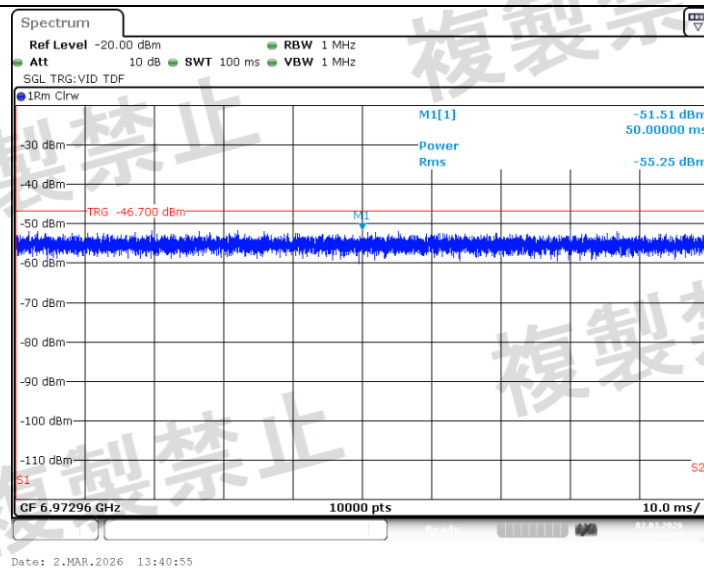
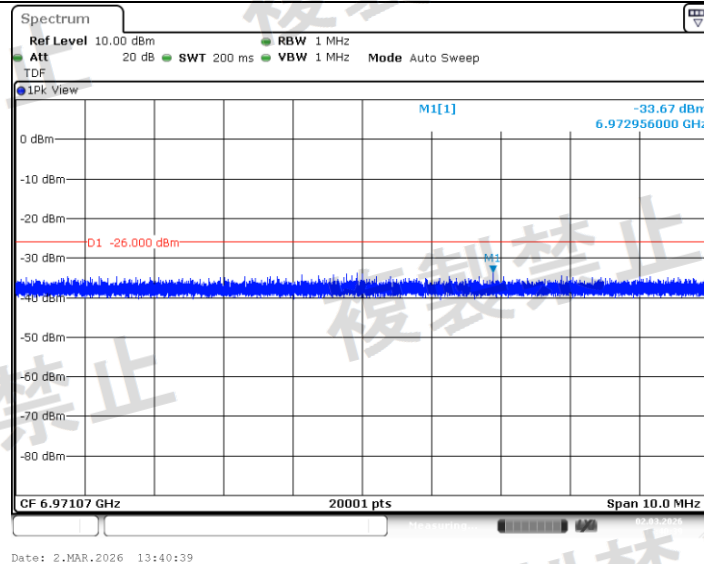
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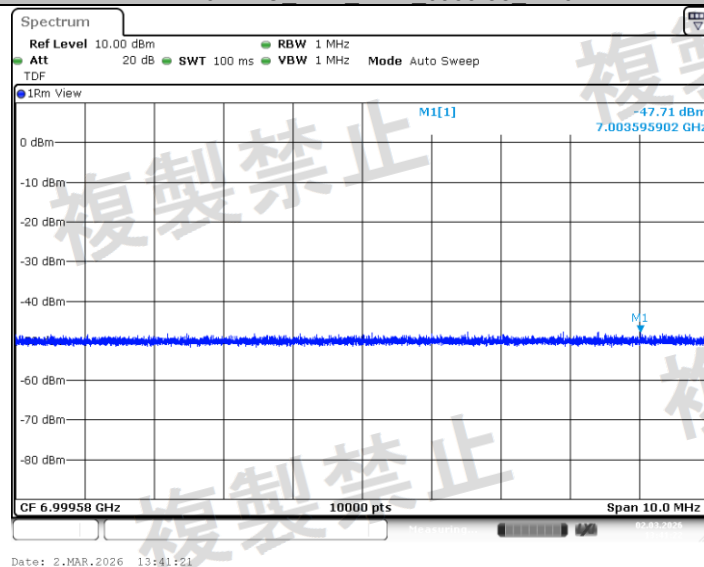
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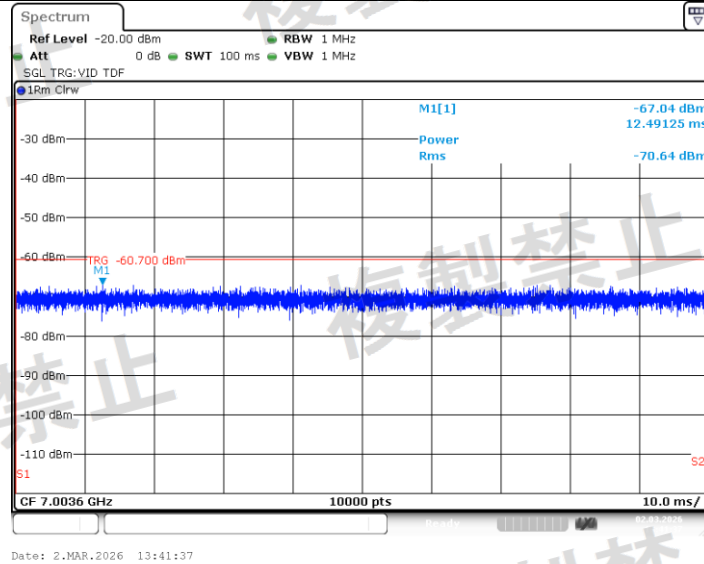


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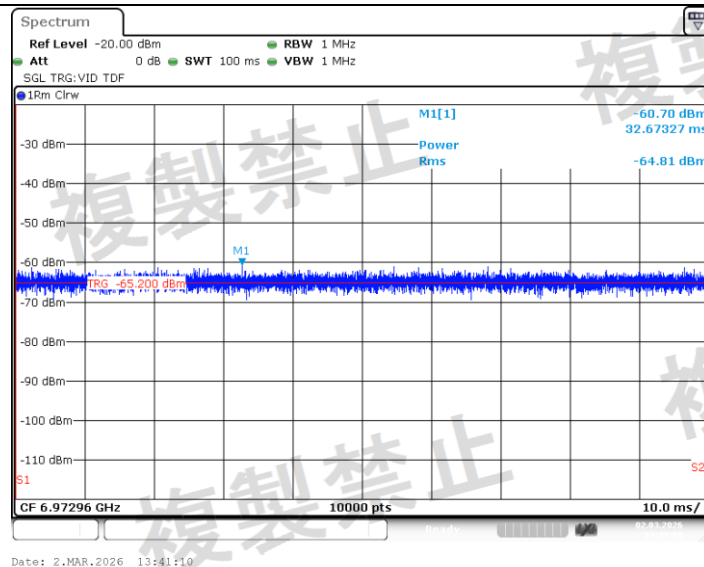
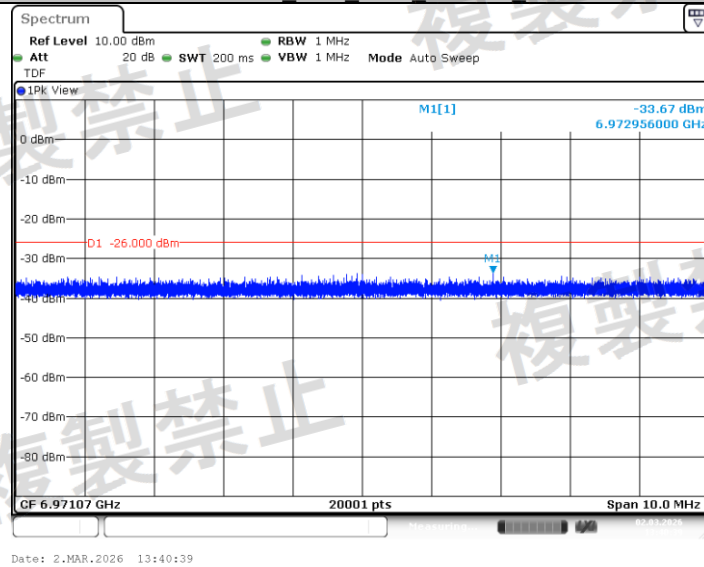


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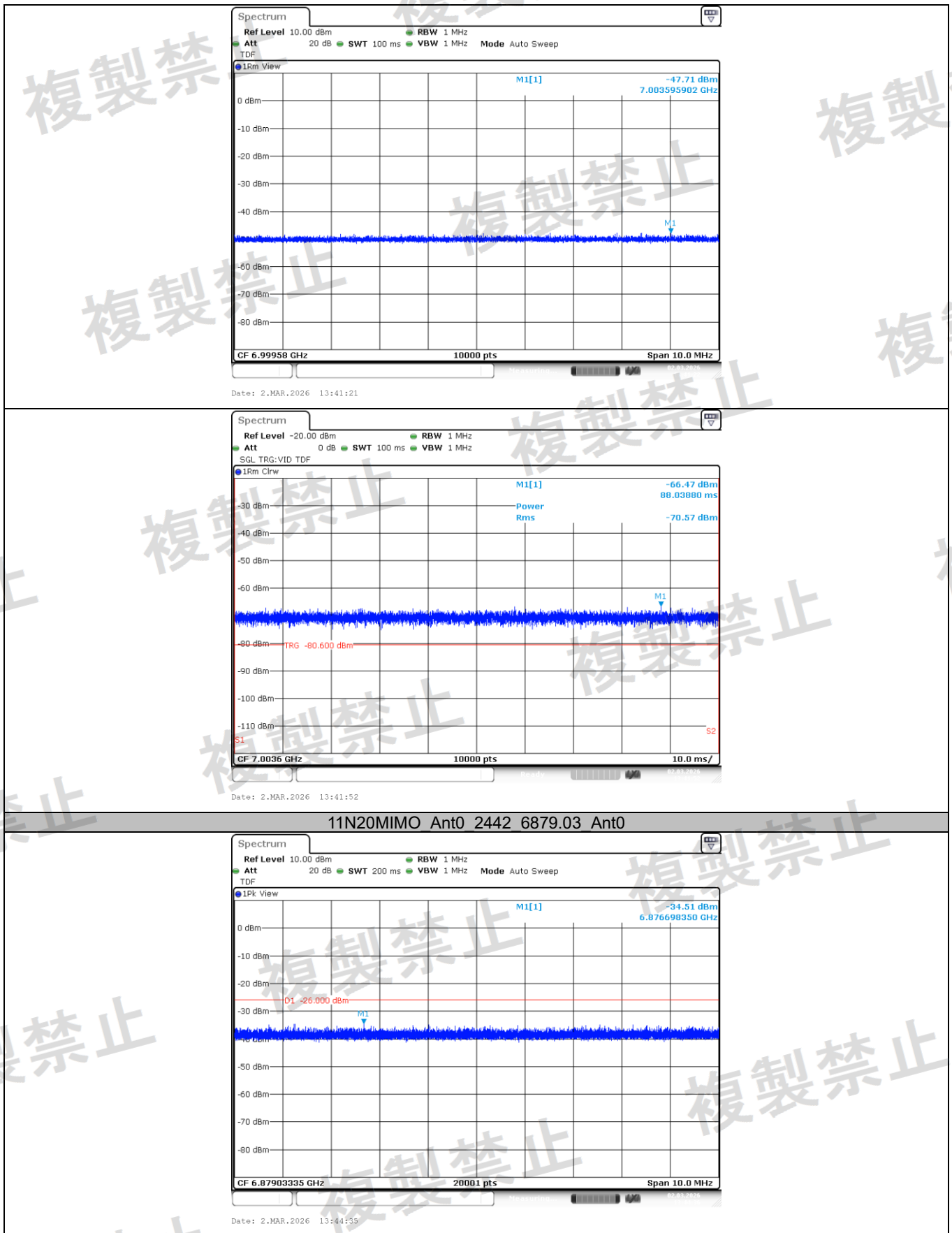


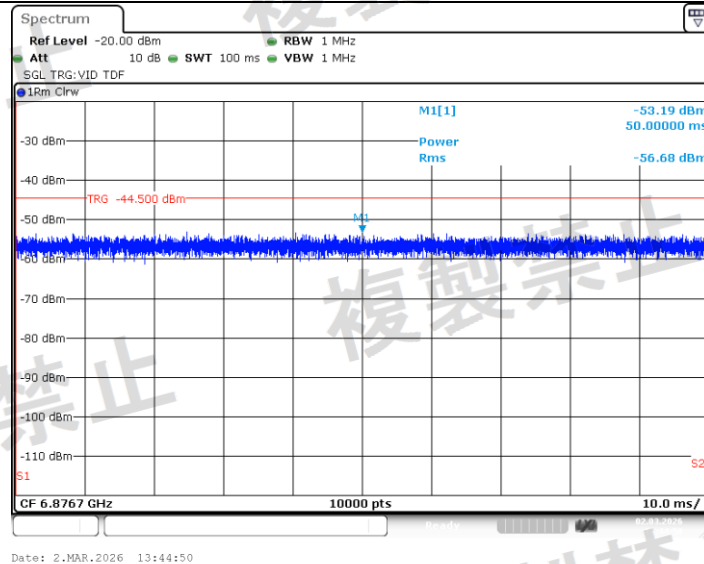


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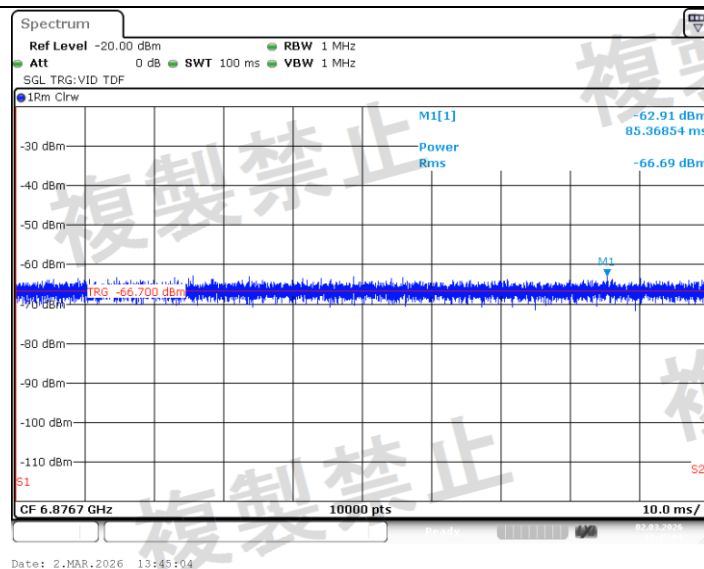
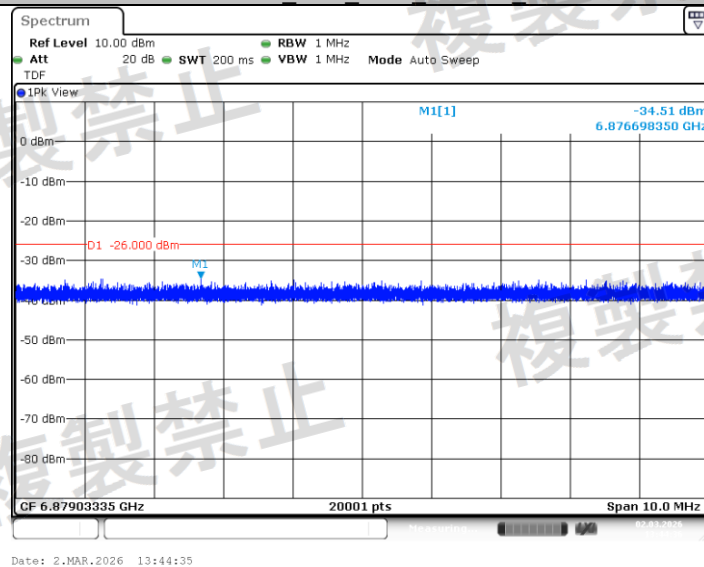


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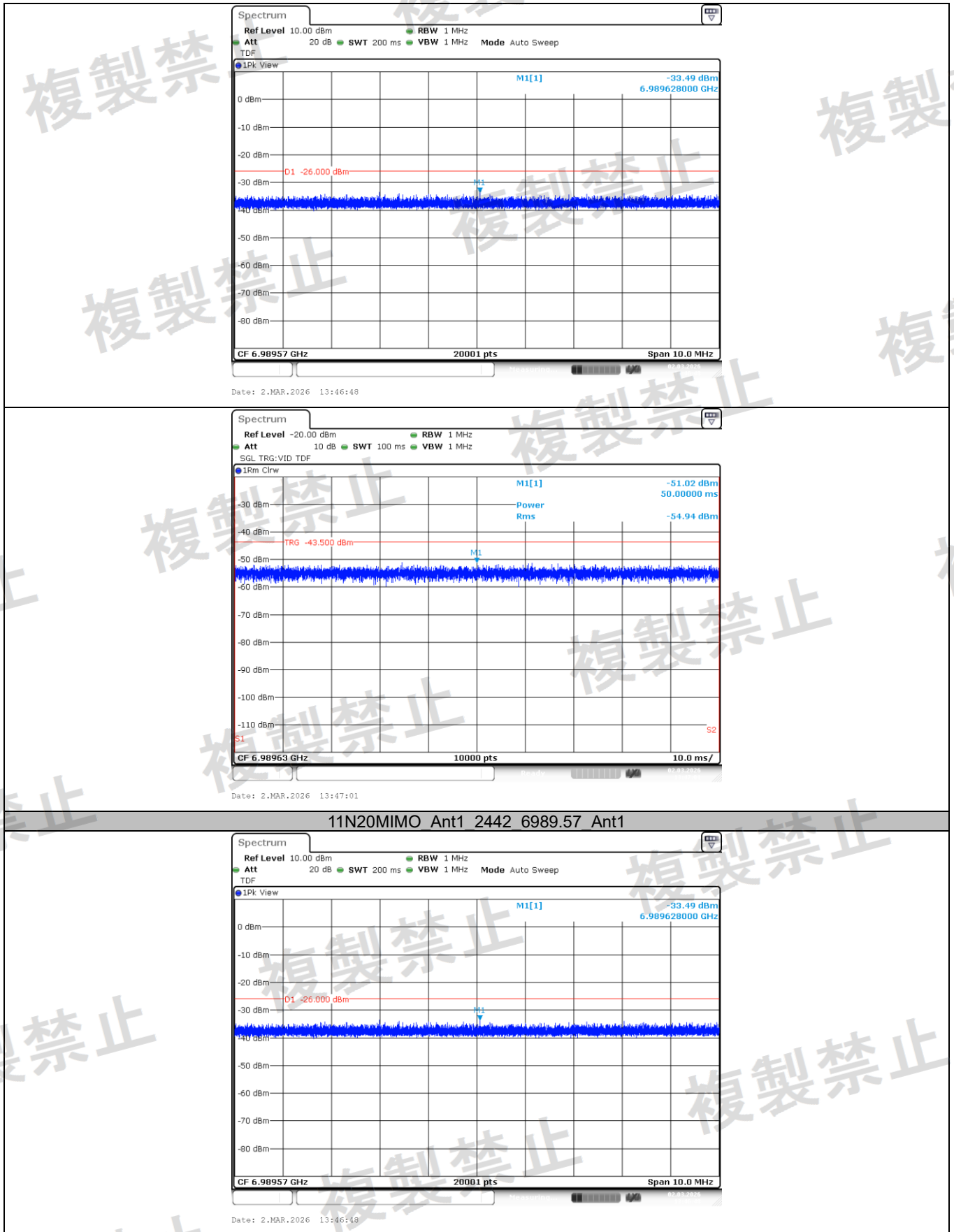




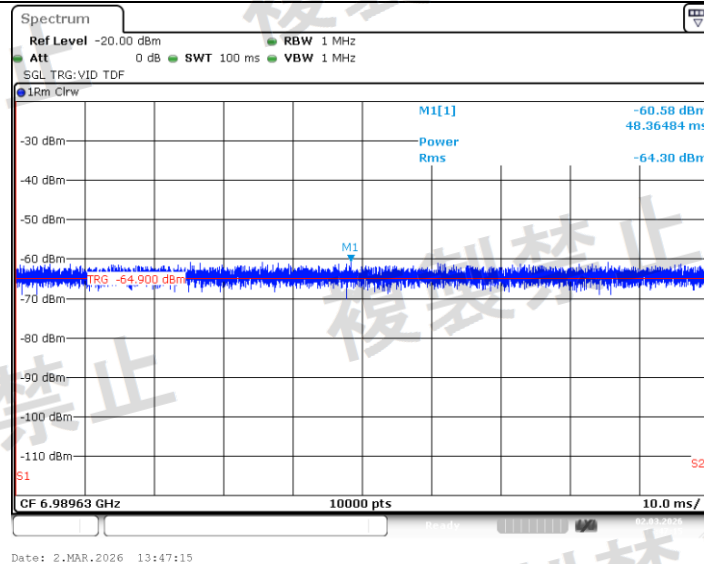
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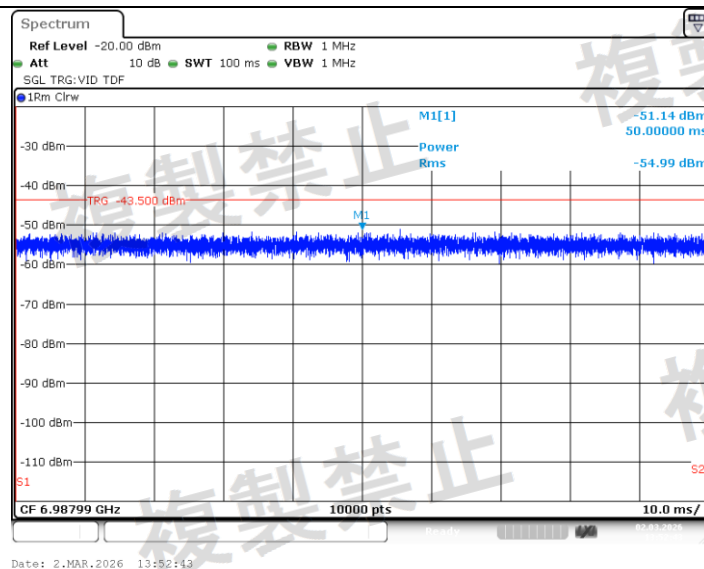
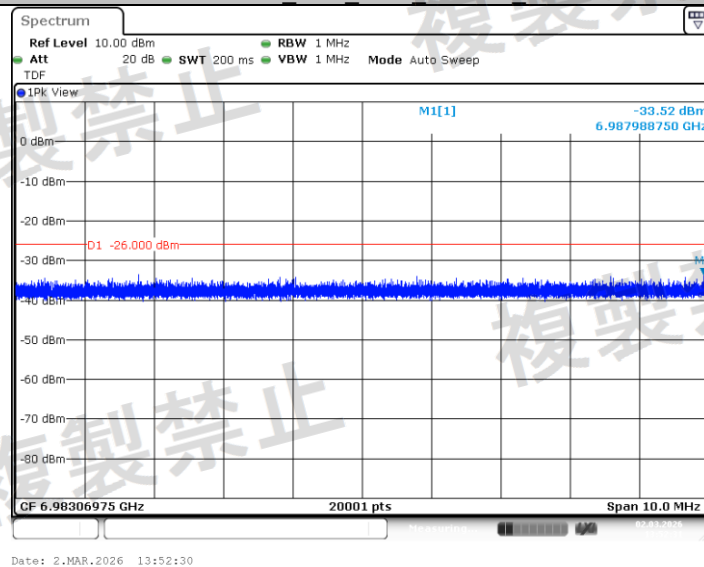
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11N20MIMO Ant1 2442 6989.57 Ant1



11N20MIMO Ant1_2472_6983.07_Ant0



11N20MIMO Ant1_2472_6983.07_Ant1

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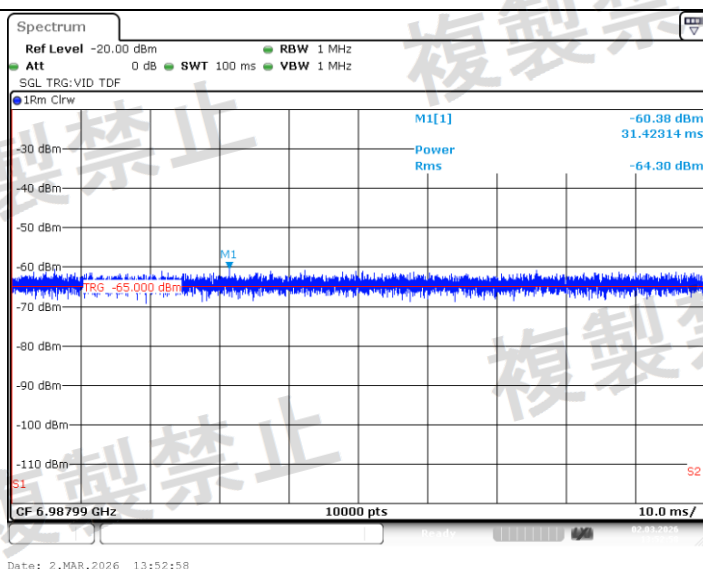
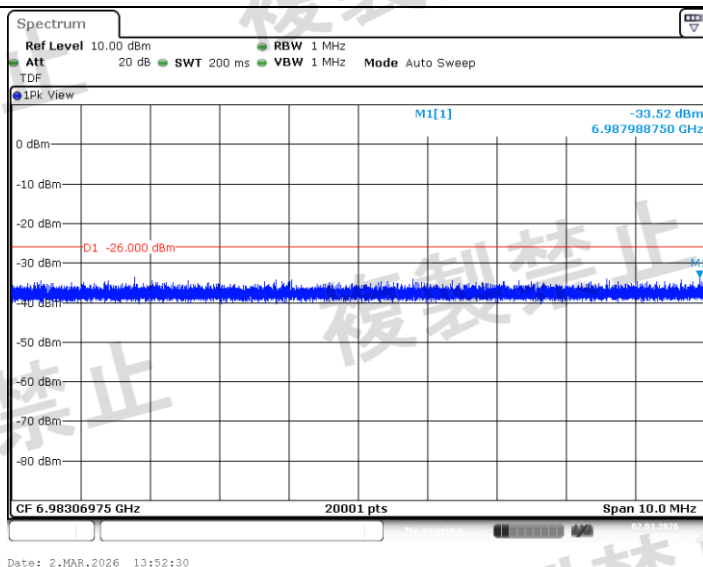
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict,
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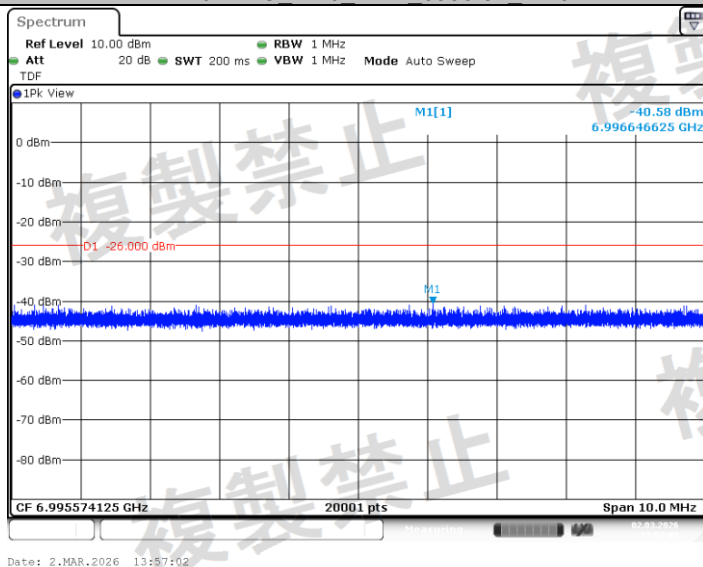
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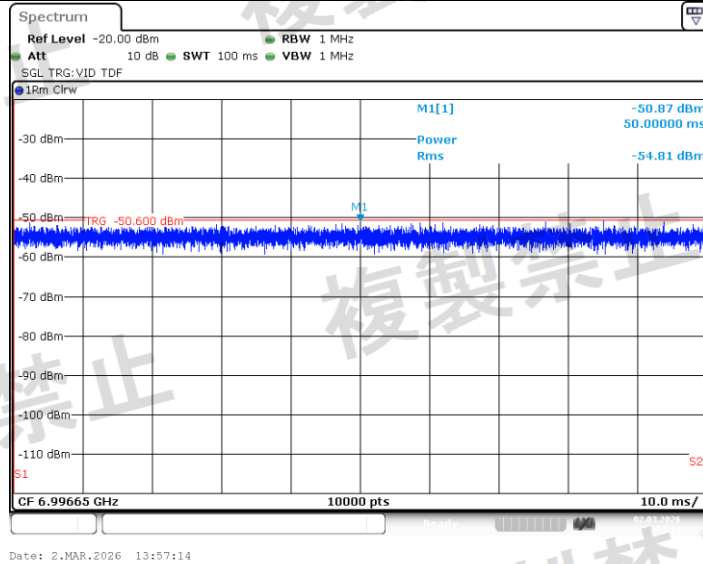
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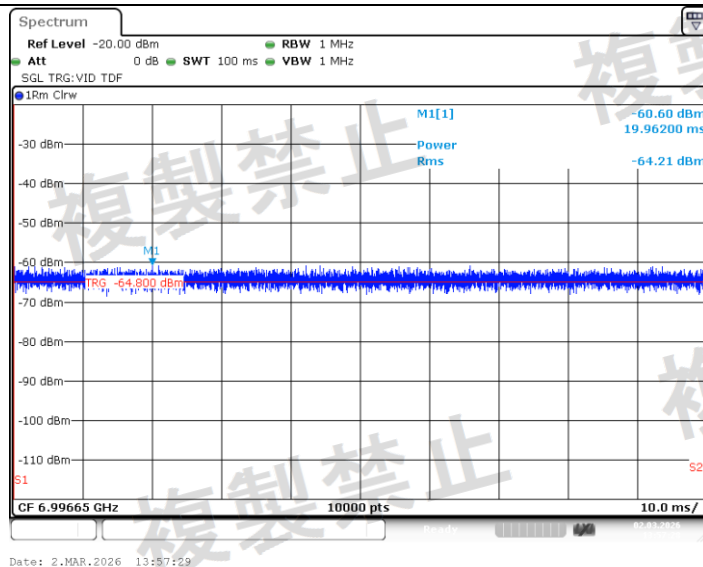
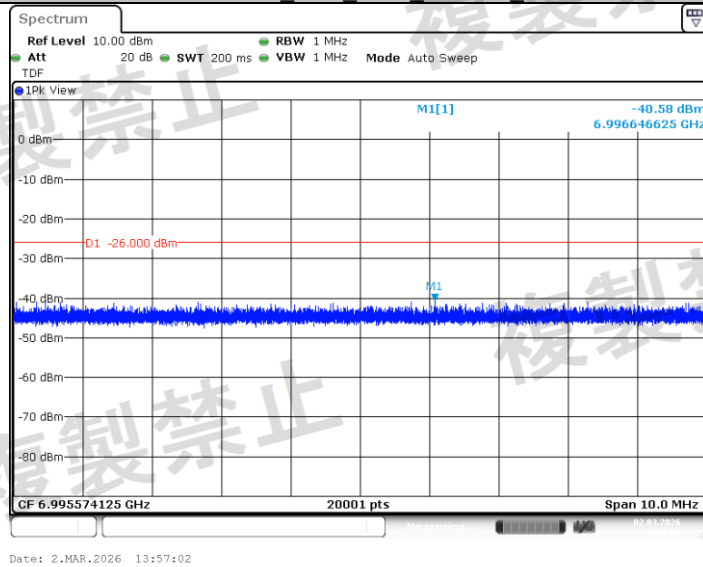
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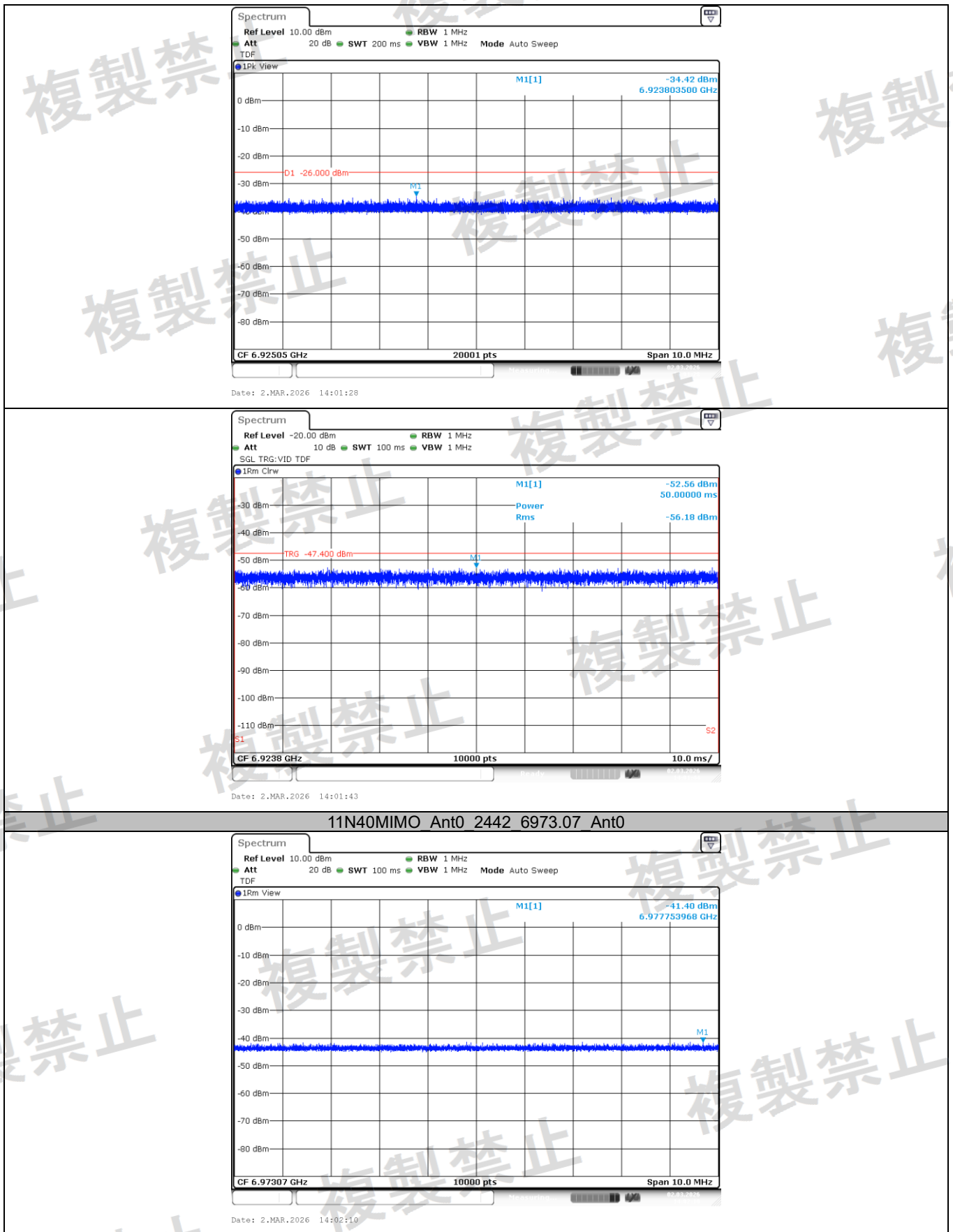
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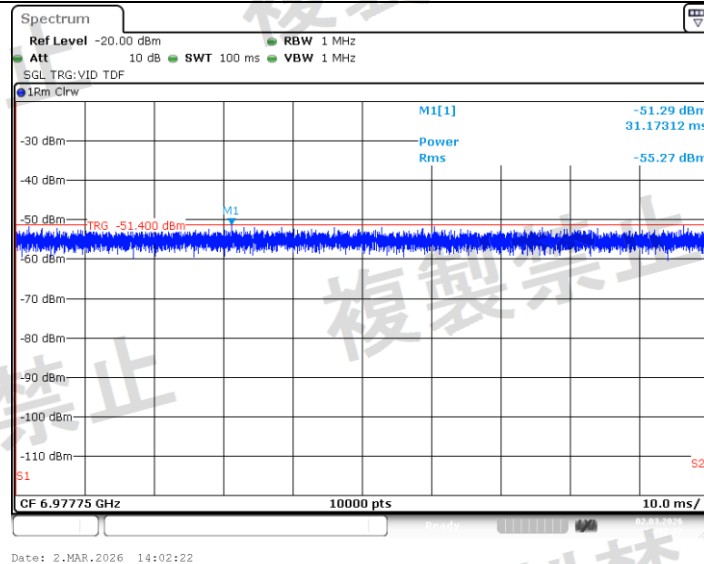
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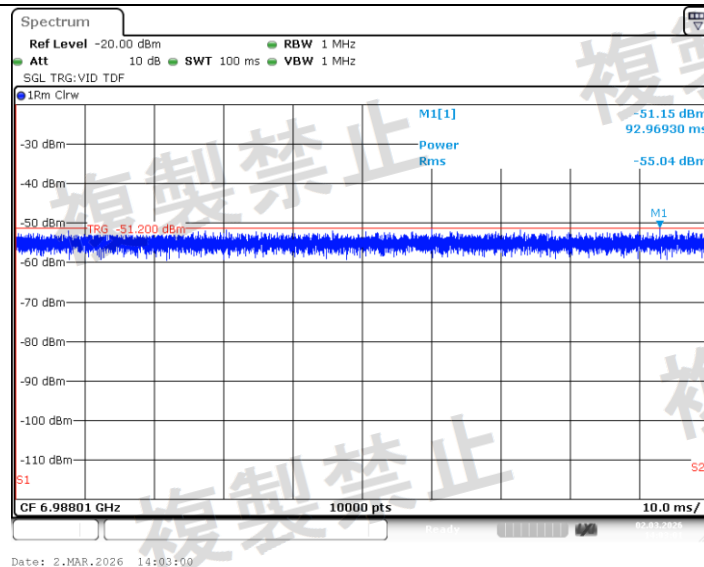
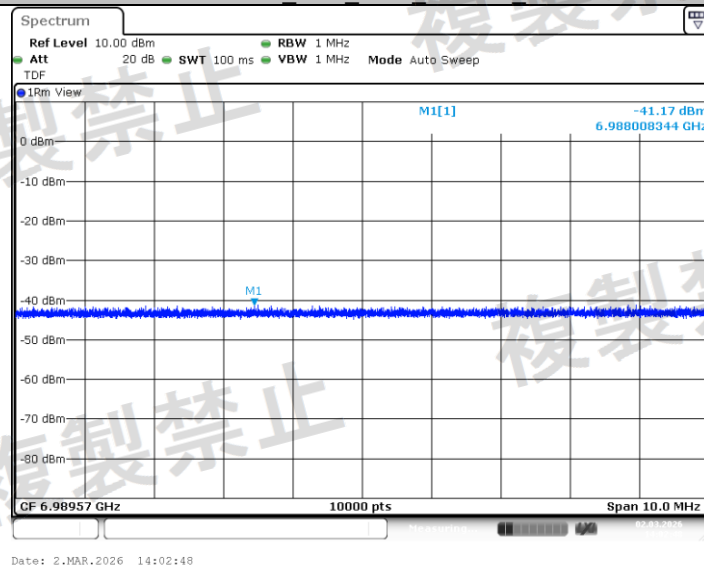
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Master TRF : Dated 2026-01-01

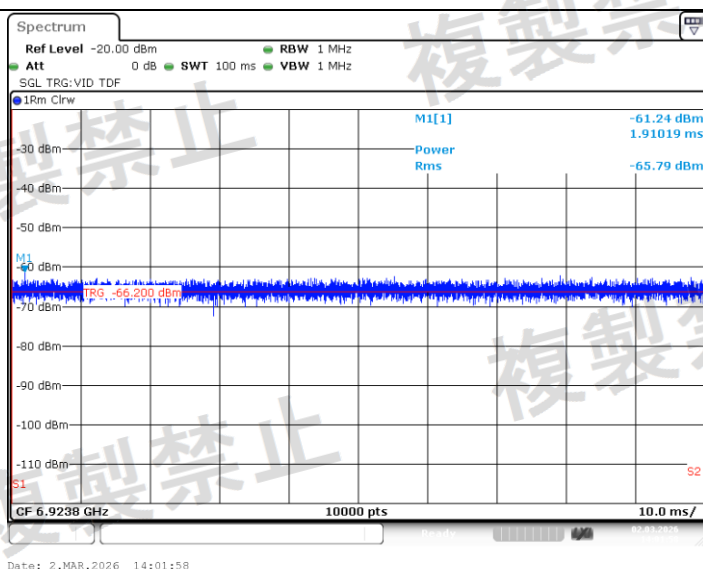
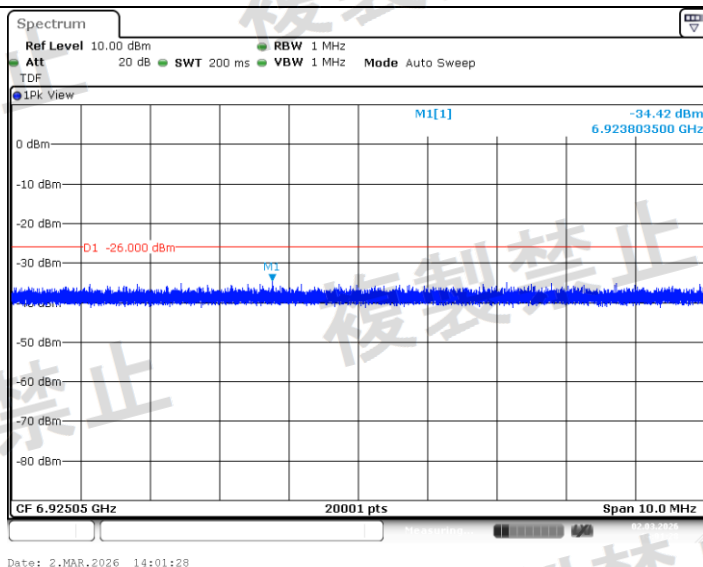




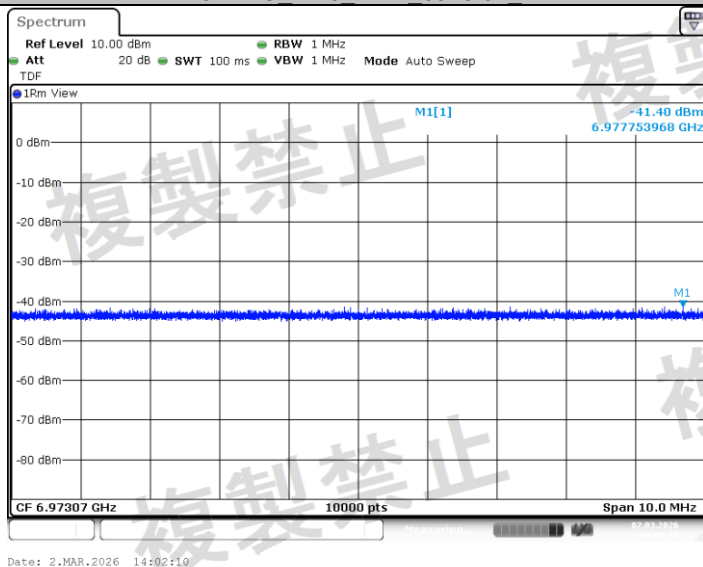
11N40MIMO Ant0 2442 6989.57 Ant0

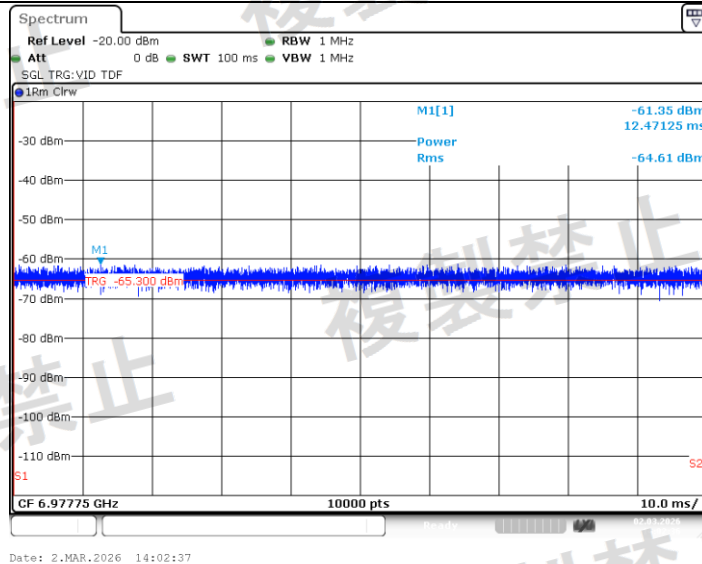


11N40MIMO Ant0 2442 6925.05 Ant1

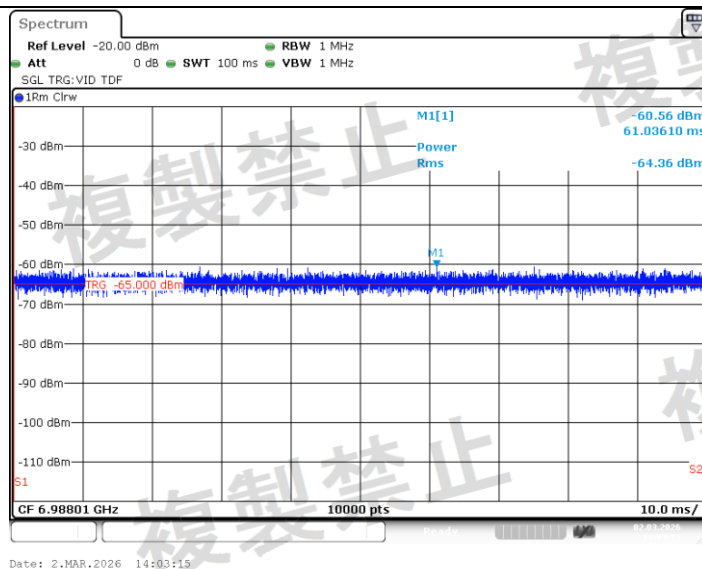
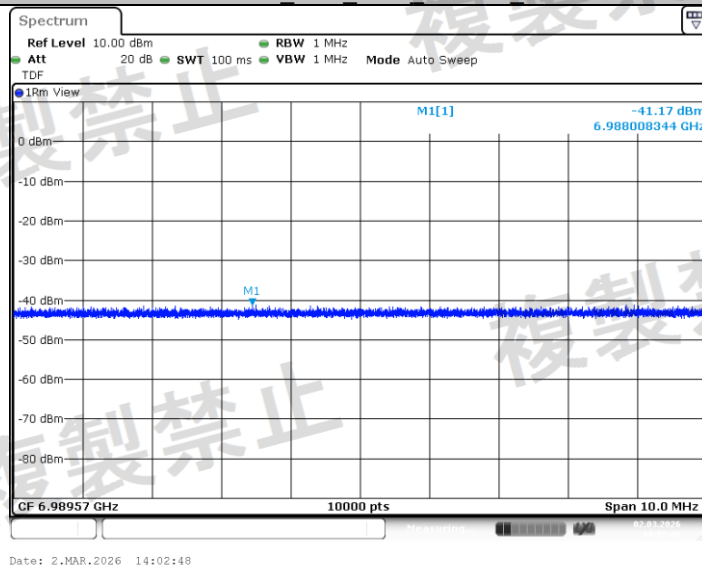


11N40MIMO Ant0 2442 6973.07 Ant1

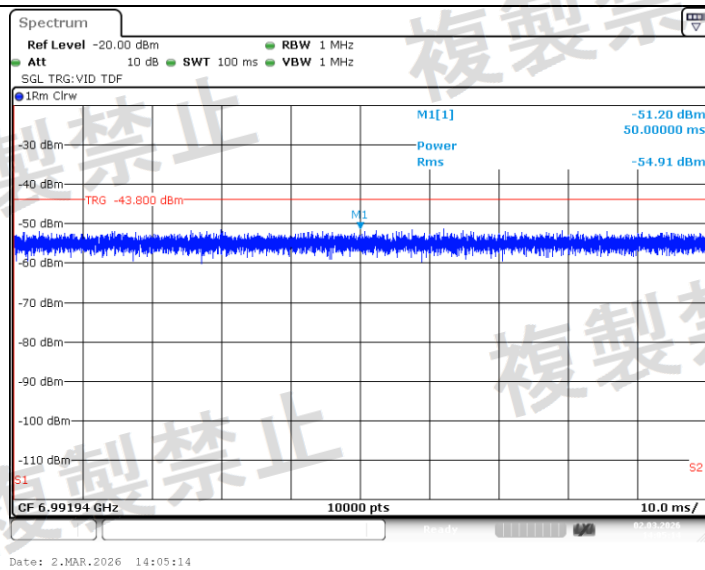
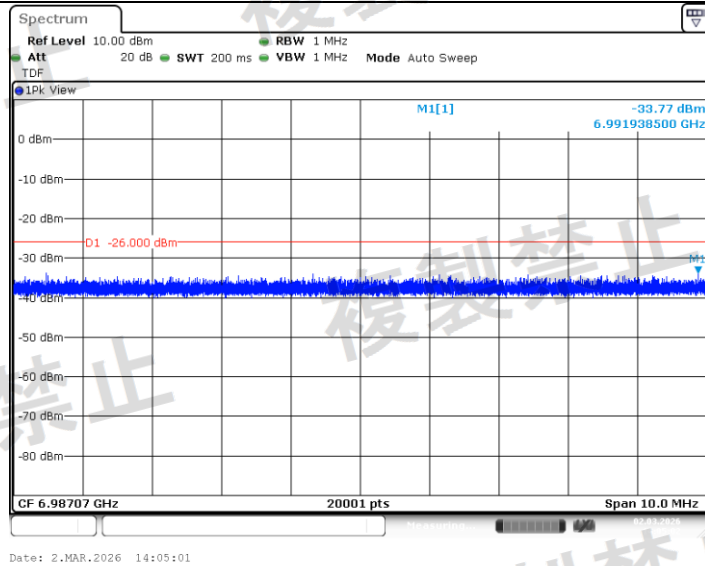




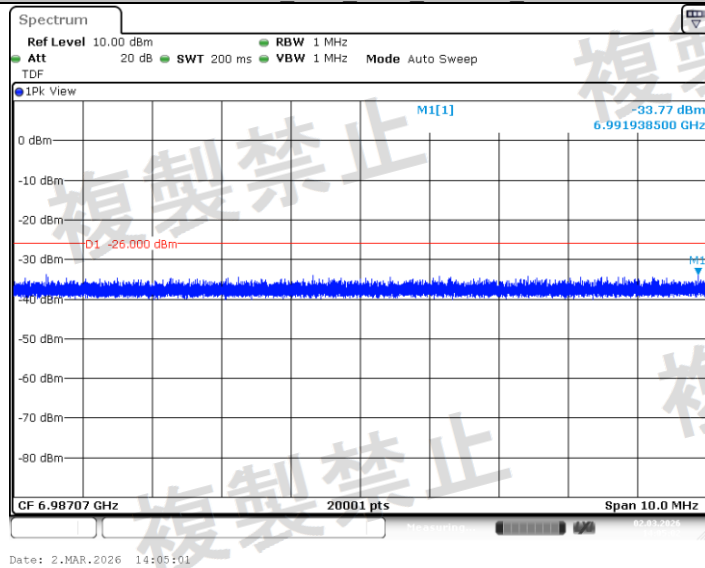
11N40MIMO Ant0 2442 6989.57 Ant1

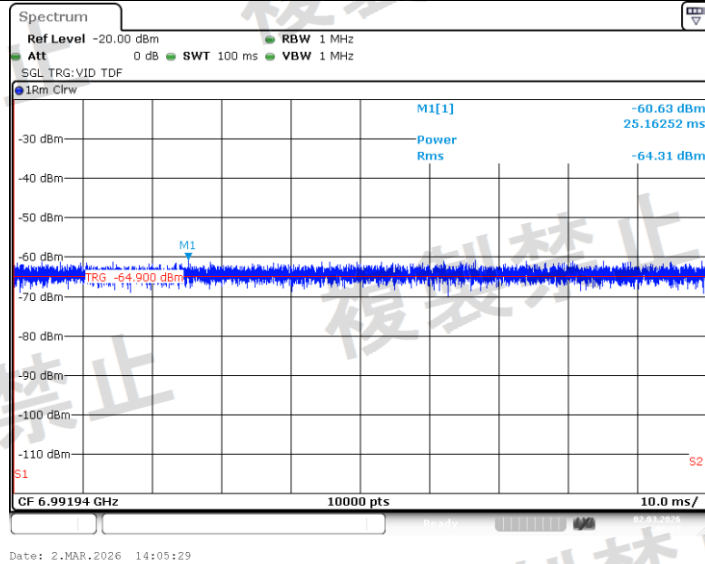


11N40MIMO Ant1 2442 6987.07 Ant0

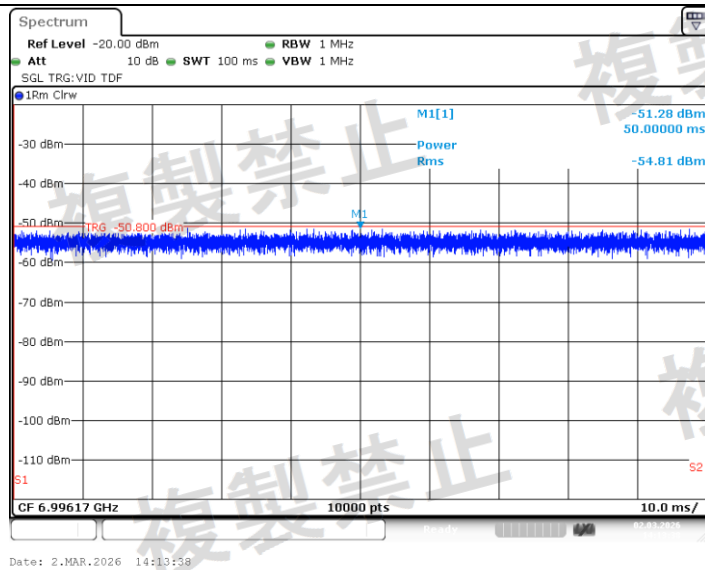
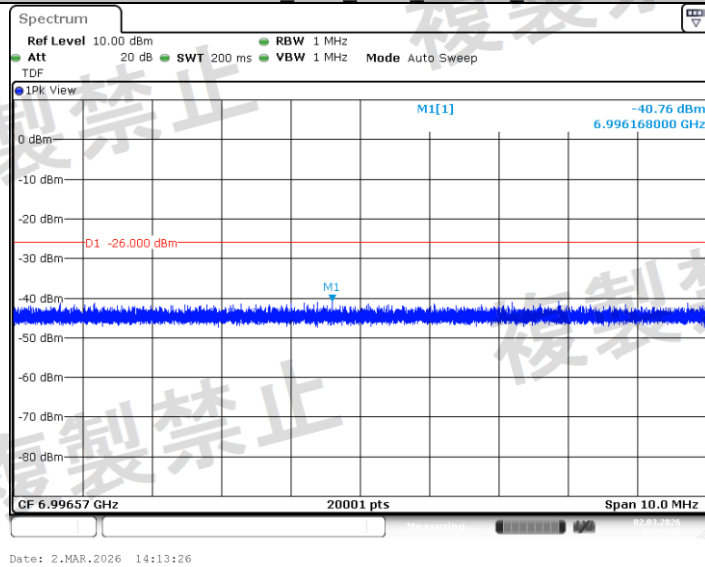


11N40MIMO Ant1 2442 6987.07 Ant1

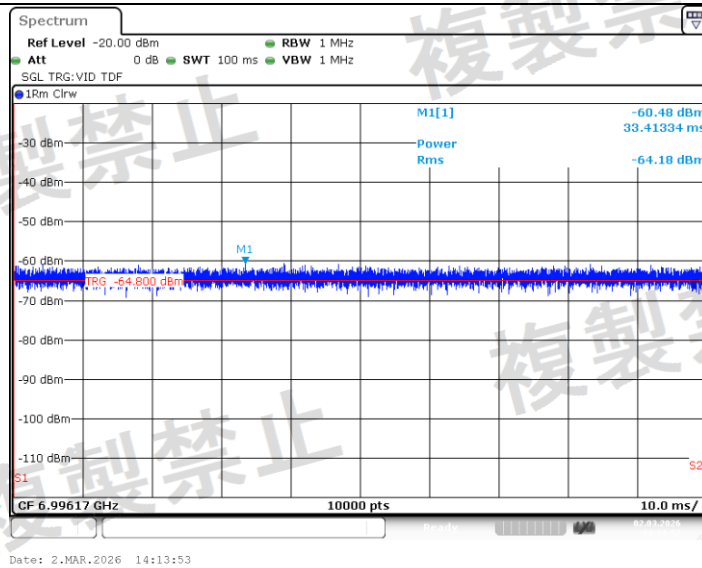
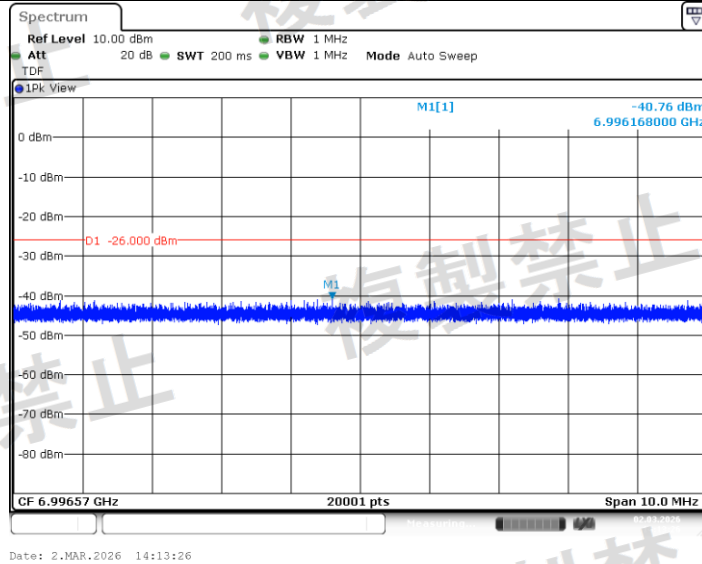




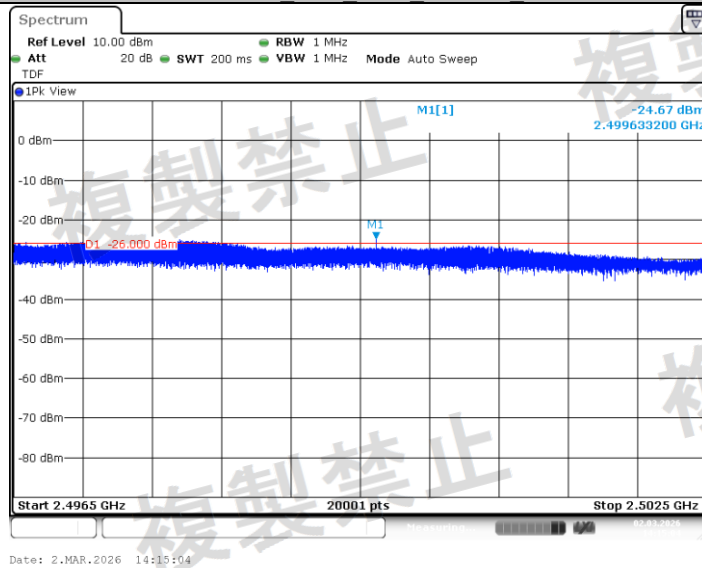
11N40MIMO Ant0 2462 6996.57 Ant0

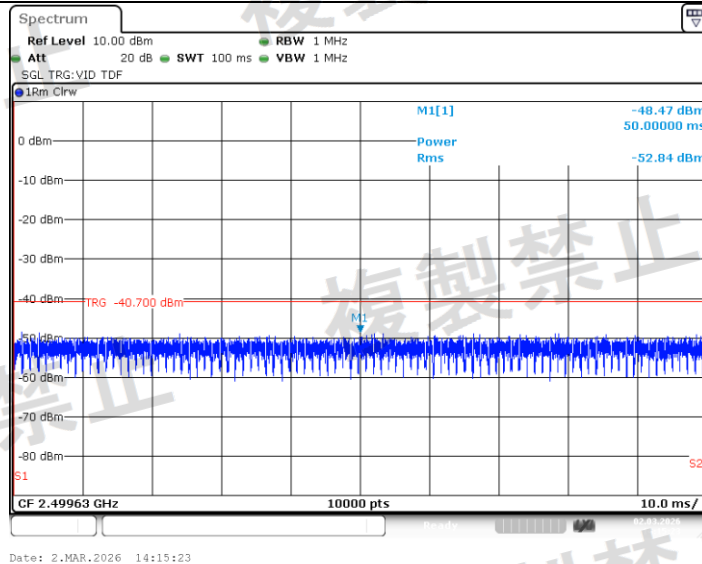


11N40MIMO Ant0 2462 6996.57 Ant1

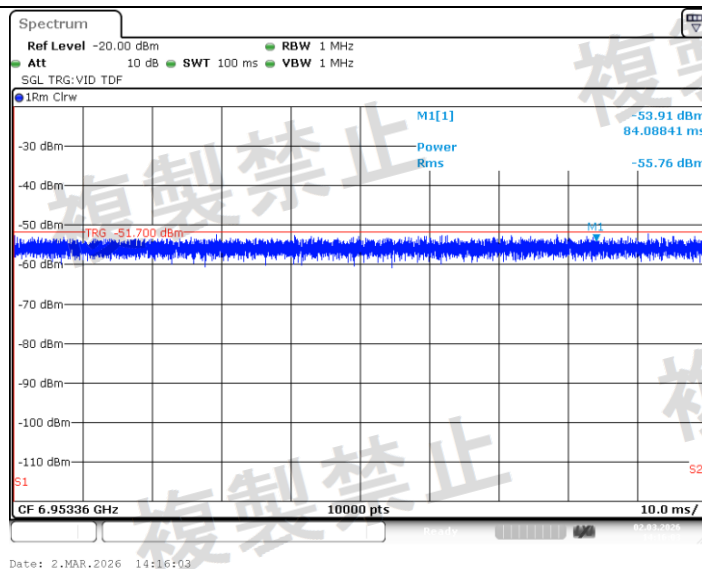
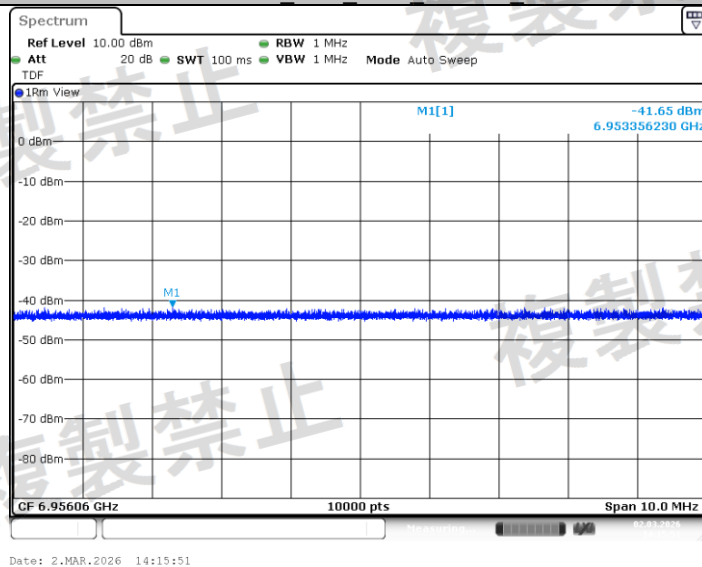


11N40MIMO Ant1 2462 2497.50 Ant0

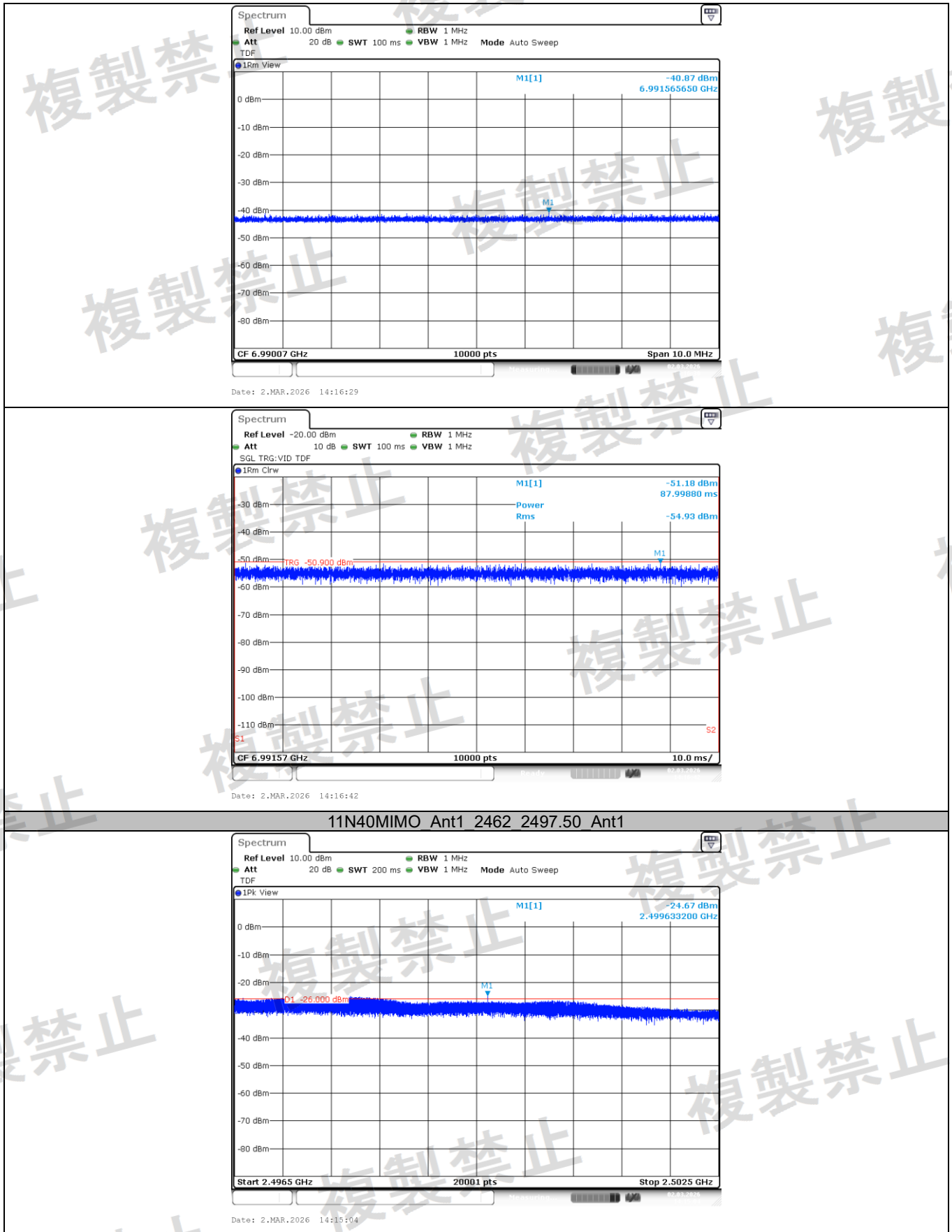


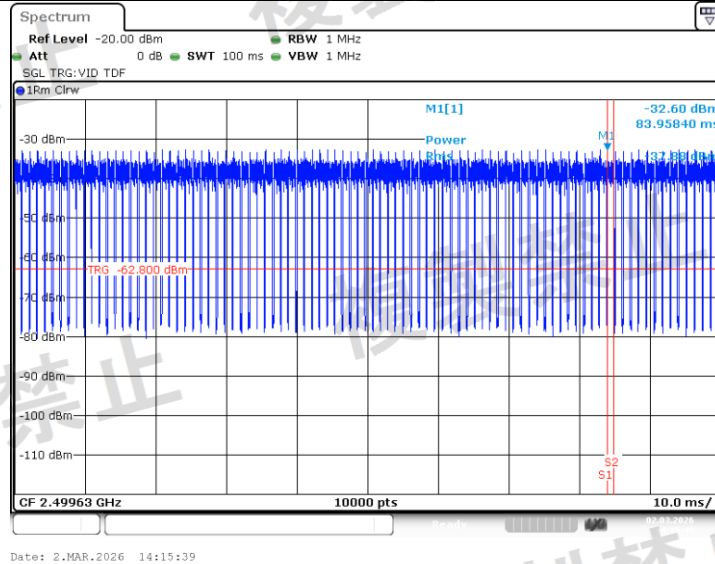


11N40MIMO Ant1_2462_6956.06_Ant0

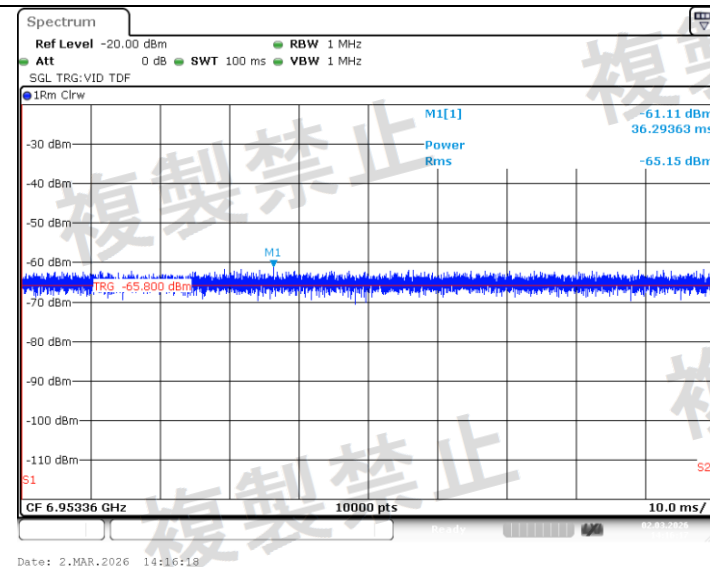
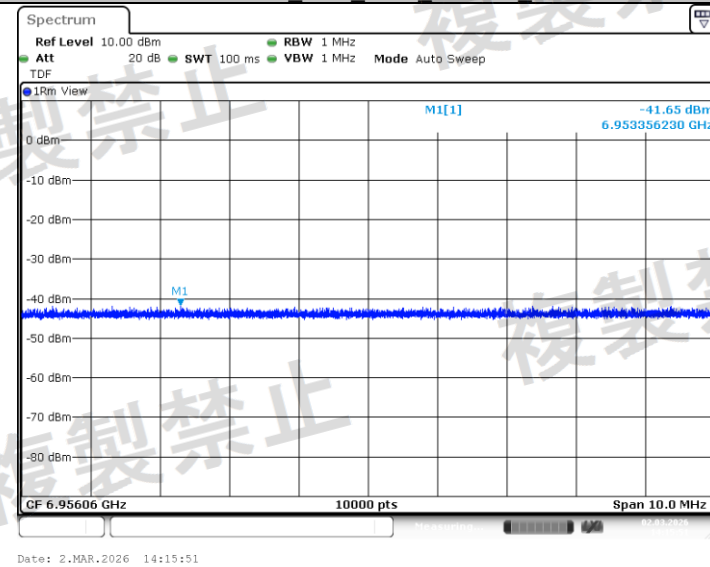


11N40MIMO Ant1_2462_6990.07_Ant0

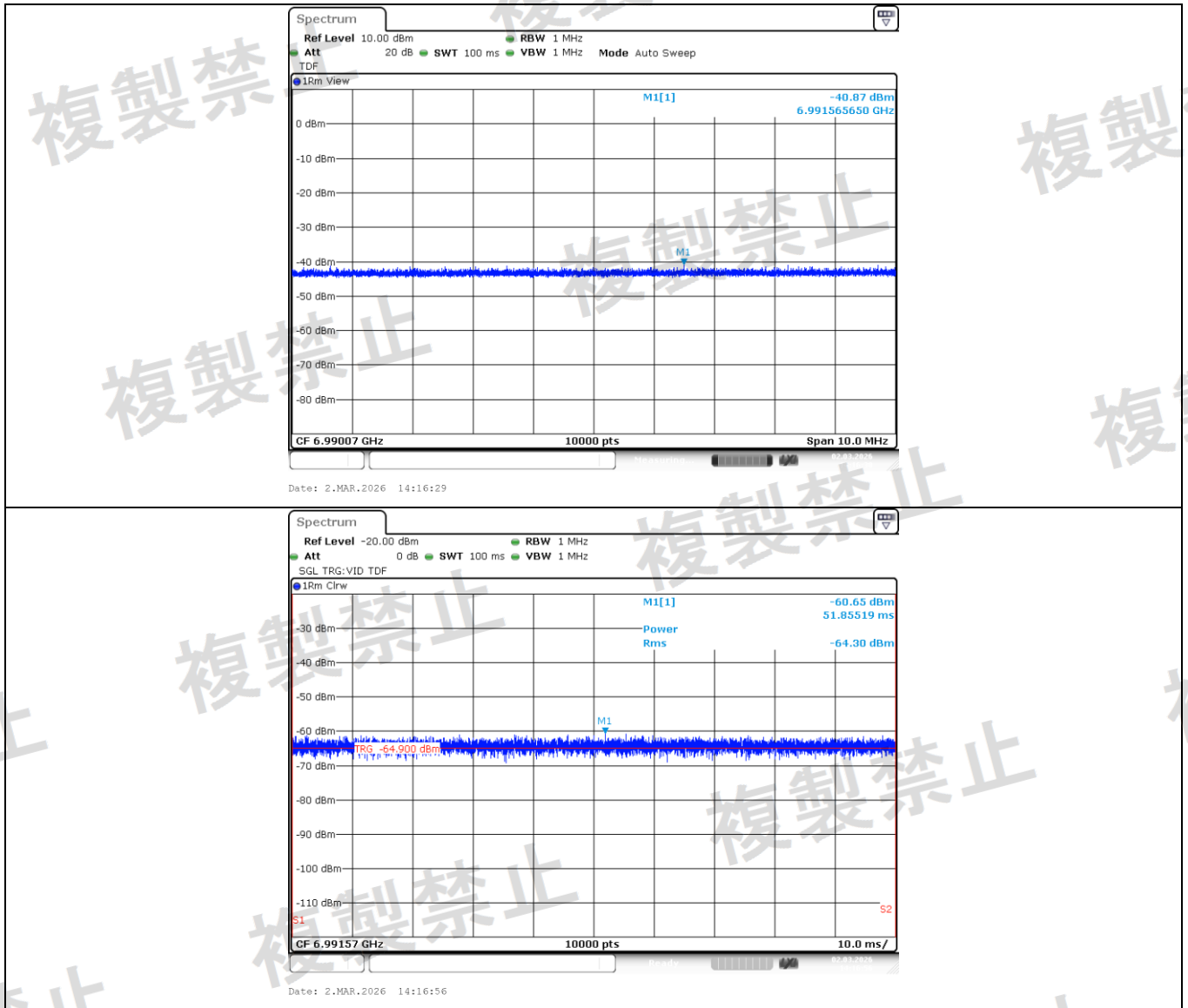




11N40MIMO Ant1 2462 6956.06 Ant1



11N40MIMO Ant1 2462 6990.07 Ant1





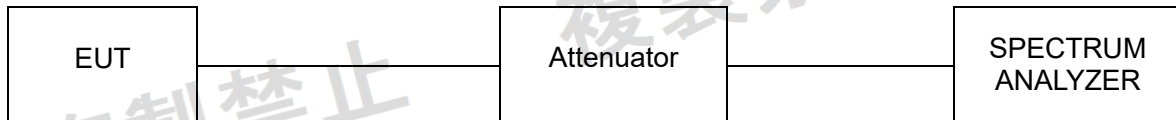
3.6. Receiver Spurious Emission and Unwanted Emission Intensity

LIMIT

Below 1GHz: 4.0nW (-54dBm) or less

Above 1GHz: 20nW (-47dBm) or less

TEST CONFIGURATION



TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram as TEST CONFIGURATION shows.

EUT Condition: Modulation

Spectrum Condition:

Frequency: 30MHz-12.5GHz

RBW: 100kHz (30MHz-1GHz), 1MHz (1GHz-12.5GHz)

VBW: 100kHz (30MHz-1GHz), 1MHz (1GHz-12.5GHz)

Sweep time: Auto

Detector mode: Peak

Indication mode: Max hold

If the test margin is insufficient, then proceed with the following final test steps.

a) The EUT is configured to the modulation mode, and transmitting at maximum power.

b) When searching for Spurious Emission or unwanted emissions, the spectrum analyzer should be set as follows:

- Test frequency range = 30MHz to 5 times the carrier frequency
- RBW = 100kHz, VBW = 100kHz (for 30MHz~1000MHz)
- RBW = 1MHz, VBW = 1MHz (for above 1GHz)
- Sweep time = Auto
- Sweep mode = Single sweep
- Detect mode = Positive peak

c) When measuring the amplitude of spurious emission or unwanted emissions, the spectrum analyzer should be set as follows:

- Center frequency = The frequency found in step b)
- Span = 0
- RBW = 1MHz (for 30MHz~1000MHz:100KHz)
- VBW = 1MHz (for 30MHz~1000MHz:100KHz)



- Sweep time = Auto
- Sweep mode = Single sweep
- Detect mode = Sample or RMS

TEST RESULTS

Note : The following data are based on the worst-case condition; when the margin of a certain antenna is insufficient, final tests have been conducted for both the antenna and the dual-transmission channels respectively, and the test results have been truthfully recorded and presented.

Measurement Data:

Test Mode	Antenna	Channel	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
11B	Ant0	2412	30~1000	865.00	-64.20	≤-54	0.38019	≤4	PASS
			1000~12500	6996.68	-54.81	≤-47	3.30370	≤20	See table below
	Ant1	2412	30~1000	982.54	-63.68	≤-54	0.42855	≤4	See table below
			1000~12500	6945.5	-54.29	≤-47	3.72392	≤20	See table below
	Ant0	2442	30~1000	998.55	-63.92	≤-54	0.40551	≤4	See table below
			1000~12500	6980.58	-54.90	≤-47	3.23594	≤20	See table below
	Ant1	2442	30~1000	981.57	-63.81	≤-54	0.41591	≤4	See table below
			1000~12500	6955.28	-55.56	≤-47	2.77971	≤20	See table below
	Ant0	2472	30~1000	924.34	-63.53	≤-54	0.44361	≤4	See table below
			1000~12500	6996.68	-54.16	≤-47	3.83707	≤20	See table below
	Ant1	2472	30~1000	926.77	-63.44	≤-54	0.45290	≤4	See table below
			1000~12500	6933.43	-54.99	≤-47	3.16957	≤20	See table below
11G	Ant0	2412	30~1000	875.36	-63.58	≤-54	0.43853	≤4	See table below
			1000~12500	6999.55	-54.65	≤-47	3.42768	≤20	See table below
	Ant1	2412	30~1000	911.73	-63.53	≤-54	0.44361	≤4	See table below
			1000~12500	6981.15	-54.88	≤-47	3.25087	≤20	See table below
	Ant0	2442	30~1000	915.13	-63.90	≤-54	0.40738	≤4	See table below
			1000~12500	6996.1	-54.90	≤-47	3.23594	≤20	See table below
	Ant1	2442	30~1000	981.57	-63.78	≤-54	0.41879	≤4	See table below
			1000~12500	6973.68	-55.10	≤-47	3.09030	≤20	See table below
	Ant0	2472	30~1000	986.91	-63.04	≤-54	0.49659	≤4	See table below
			1000~12500	6999.55	-54.89	≤-47	3.24340	≤20	See table below
	Ant1	2472	30~1000	992.00	-64.34	≤-54	0.36813	≤4	PASS
			1000~12500	6955.85	-54.41	≤-47	3.62243	≤20	See table below
11N20MIMO	Ant0	2412	30~1000	970.42	-63.88	≤-54	0.40926	≤4	See table below
			1000~12500	6994.38	-55.18	≤-47	3.03389	≤20	See table below
	Ant1	2412	30~1000	935.01	-63.35	≤-54	0.46238	≤4	See table below
			1000~12500	6997.83	-55.16	≤-47	3.04789	≤20	See table below
	Ant0	2442	30~1000	957.81	-63.24	≤-54	0.47424	≤4	See table below
			1000~12500	6991.5	-54.90	≤-47	3.23594	≤20	See table below
	Ant1	2442	30~1000	915.41	-64.35	≤-54	0.36728	≤4	PASS
			1000~12500	6990.93	-54.93	≤-47	3.21366	≤20	See table below
	Ant0	2472	30~1000	915.41	-64.06	≤-54	0.39264	≤4	PASS
			1000~12500	6999.55	-54.59	≤-47	3.47536	≤20	See table below
	Ant1	2472	30~1000	910.28	-63.88	≤-54	0.40926	≤4	See table below
			1000~12500	6976.55	-55.11	≤-47	3.08319	≤20	See table below
11N40MIMO	Ant0	2422	30~1000	975.75	-63.52	≤-54	0.44463	≤4	See table below
			1000~12500	6982.3	-55.14	≤-47	3.06196	≤20	See table below
	Ant1	2422	30~1000	988.85	-63.45	≤-54	0.45186	≤4	See table below
			1000~12500	6994.95	-54.81	≤-47	3.30370	≤20	See table below
	Ant0	2442	30~1000	992.24	-63.91	≤-54	0.40644	≤4	See table below
			1000~12500	6944.93	-55.65	≤-47	2.72270	≤20	See table below
	Ant1	2442	30~1000	956.84	-63.85	≤-54	0.41210	≤4	See table below
			1000~12500	6973.1	-54.86	≤-47	3.26588	≤20	See table below
	Ant0	2462	30~1000	999.52	-63.24	≤-54	0.47424	≤4	See table below
			1000~12500	6958.15	-55.40	≤-47	2.88403	≤20	See table below
	Ant1	2462	30~1000	852.08	-63.50	≤-54	0.44668	≤4	See table below
			30~1000	852.08	-63.50	≤-54	0.44668	≤4	See table below

CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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			1000~12500	6776.45	-55.32	≤-47	2.93765	≤20	See table below
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Test Result Step2

TestMode	PreScan In Ant	Channel	Ant	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
11B	Ant0	2412	Ant0	6837.79	-67.49	≤-47	0.17824	≤20	PASS
			Ant0	6924.11	-66.16	≤-47	0.24210	≤20	PASS
			Ant0	6995.26	-64.86	≤-47	0.32659	≤20	PASS
	Ant1	2412	Ant1	6845.90	-67.49	≤-47	0.17824	≤20	PASS
			Ant1	6949.40	-65.62	≤-47	0.27416	≤20	PASS
			Ant1	6994.82	-64.80	≤-47	0.33113	≤20	PASS
	Ant0	2442	Ant0	6885.55	-66.81	≤-47	0.20845	≤20	PASS
			Ant0	6906.33	-66.43	≤-47	0.22751	≤20	PASS
			Ant0	6983.62	-65.10	≤-47	0.30903	≤20	PASS
	Ant1	2442	Ant1	948.26	-89.44	≤-54	0.00114	≤4	PASS
			Ant1	984.80	-89.16	≤-54	0.00121	≤4	PASS
			Ant1	6737.98	-67.70	≤-47	0.16982	≤20	PASS
			Ant1	6808.70	-67.56	≤-47	0.17539	≤20	PASS
			Ant1	6827.97	-67.52	≤-47	0.17701	≤20	PASS
			Ant1	6883.24	-66.81	≤-47	0.20845	≤20	PASS
			Ant1	6913.50	-66.27	≤-47	0.23605	≤20	PASS
			Ant1	6953.18	-65.55	≤-47	0.27861	≤20	PASS
	Ant0	2472	Ant0	924.63	-89.41	≤-54	0.00115	≤4	PASS
			Ant0	946.53	-89.21	≤-54	0.00120	≤4	PASS
			Ant0	6865.57	-67.19	≤-47	0.19099	≤20	PASS
			Ant0	6921.36	-66.21	≤-47	0.23933	≤20	PASS
			Ant0	6944.09	-65.80	≤-47	0.26303	≤20	PASS
			Ant0	6954.20	-65.64	≤-47	0.27290	≤20	PASS
	Ant1	2472	Ant1	6994.13	-64.89	≤-47	0.32434	≤20	PASS
			Ant1	927.59	-89.22	≤-54	0.00120	≤4	PASS
			Ant1	946.60	-89.36	≤-54	0.00116	≤4	PASS
			Ant1	6837.68	-67.52	≤-47	0.17701	≤20	PASS
			Ant1	6871.75	-67.05	≤-47	0.19724	≤20	PASS
			Ant1	6937.06	-65.90	≤-47	0.25704	≤20	PASS
			Ant1	6994.19	-64.81	≤-47	0.33037	≤20	PASS
			Ant0	6858.09	-67.34	≤-47	0.18450	≤20	PASS
11G	Ant0	2412	Ant0	6872.11	-67.06	≤-47	0.19679	≤20	PASS
			Ant0	6908.17	-66.42	≤-47	0.22803	≤20	PASS
			Ant0	6933.31	-66.04	≤-47	0.24889	≤20	PASS
			Ant0	6960.30	-65.54	≤-47	0.27925	≤20	PASS
			Ant0	6998.92	-64.77	≤-47	0.33343	≤20	PASS
			Ant1	909.93	-89.69	≤-54	0.00107	≤4	PASS
	Ant1	2412	Ant1	952.37	-89.26	≤-54	0.00119	≤4	PASS
			Ant1	973.30	-89.56	≤-54	0.00111	≤4	PASS
			Ant1	6697.67	-67.97	≤-47	0.15959	≤20	PASS
			Ant1	6724.61	-67.80	≤-47	0.16596	≤20	PASS
			Ant1	6811.92	-67.08	≤-47	0.19588	≤20	PASS
			Ant1	6877.84	-66.93	≤-47	0.20277	≤20	PASS
			Ant1	6897.58	-66.50	≤-47	0.22387	≤20	PASS
			Ant1	6921.11	-66.15	≤-47	0.24266	≤20	PASS
			Ant1	6983.70	-65.06	≤-47	0.31189	≤20	PASS
	Ant0	2442	Ant0	6881.66	-66.91	≤-47	0.20370	≤20	PASS
			Ant0	6937.85	-65.93	≤-47	0.25527	≤20	PASS
			Ant0	6997.79	-64.81	≤-47	0.33037	≤20	PASS
	Ant1	2442	Ant1	6806.22	-67.58	≤-47	0.17458	≤20	PASS
			Ant1	6852.97	-67.40	≤-47	0.18197	≤20	PASS
			Ant1	6975.96	-65.21	≤-47	0.30130	≤20	PASS
	Ant0	2472	Ant0	895.39	-89.76	≤-54	0.00106	≤4	PASS
			Ant0	983.39	-89.25	≤-54	0.00119	≤4	PASS
			Ant0	997.03	-89.14	≤-54	0.00122	≤4	PASS
			Ant0	6759.13	-67.64	≤-47	0.17219	≤20	PASS
			Ant0	6771.43	-67.64	≤-47	0.17219	≤20	PASS
			Ant0	6807.16	-67.65	≤-47	0.17179	≤20	PASS
			Ant0	6876.61	-66.99	≤-47	0.19999	≤20	PASS



	Ant1	2472	Ant0	6892.15	-66.70	≤-47	0.21380	≤20	PASS
			Ant0	6913.34	-66.32	≤-47	0.23335	≤20	PASS
			Ant0	6953.47	-65.68	≤-47	0.27040	≤20	PASS
			Ant0	7000.83	-70.73	≤-47	0.08453	≤20	PASS
			Ant1	6663.50	-68.36	≤-47	0.14588	≤20	PASS
			Ant1	6826.94	-67.52	≤-47	0.17701	≤20	PASS
			Ant1	6852.37	-67.43	≤-47	0.18072	≤20	PASS
			Ant1	6885.17	-66.77	≤-47	0.21038	≤20	PASS
			Ant1	6914.46	-66.28	≤-47	0.23550	≤20	PASS
11N20MIMO	Ant0	2412	Ant1	6958.86	-65.50	≤-47	0.28184	≤20	PASS
			Ant0	6766.25	-67.65	≤-47	0.17179	≤20	PASS
			Ant0	6849.35	-67.48	≤-47	0.17865	≤20	PASS
			Ant0	6860.40	-67.28	≤-47	0.18707	≤20	PASS
			Ant0	6900.43	-66.57	≤-47	0.22029	≤20	PASS
			Ant0	6918.91	-66.27	≤-47	0.23605	≤20	PASS
			Ant0	6929.67	-66.10	≤-47	0.24547	≤20	PASS
			Ant0	6996.90	-64.81	≤-47	0.33037	≤20	PASS
			Ant1	6766.25	-67.65	≤-47	0.17179	≤20	PASS
			Ant1	6849.35	-67.47	≤-47	0.17906	≤20	PASS
			Ant1	6860.40	-67.28	≤-47	0.18707	≤20	PASS
			Ant1	6900.43	-66.46	≤-47	0.22594	≤20	PASS
			Ant1	6918.91	-66.17	≤-47	0.24155	≤20	PASS
			Ant1	6929.67	-66.02	≤-47	0.25003	≤20	PASS
			Ant1	6996.90	-64.74	≤-47	0.33574	≤20	PASS
			total	6766.25	---	---	0.34358	≤20	PASS
			total	6849.35	---	---	0.35771	≤20	PASS
			total	6860.40	---	---	0.37414	≤20	PASS
			total	6900.43	---	---	0.44623	≤20	PASS
			total	6918.91	---	---	0.47760	≤20	PASS
			total	6929.67	---	---	0.49550	≤20	PASS
			total	6996.90	---	---	0.66611	≤20	PASS
	Ant1	2412	Ant0	910.59	-89.78	≤-54	0.00105	≤4	PASS
			Ant0	936.73	-89.43	≤-54	0.00114	≤4	PASS
			Ant0	6588.97	-68.82	≤-47	0.13122	≤20	PASS
			Ant0	6883.17	-66.88	≤-47	0.20512	≤20	PASS
			Ant0	6907.40	-66.45	≤-47	0.22646	≤20	PASS
			Ant0	6928.01	-66.17	≤-47	0.24155	≤20	PASS
			Ant0	6950.49	-65.72	≤-47	0.26792	≤20	PASS
			Ant0	6998.16	-64.81	≤-47	0.33037	≤20	PASS
			Ant1	910.59	-89.74	≤-54	0.00106	≤4	PASS
			Ant1	936.73	-89.41	≤-54	0.00115	≤4	PASS
			Ant1	6588.97	-68.78	≤-47	0.13243	≤20	PASS
			Ant1	6883.17	-66.80	≤-47	0.20893	≤20	PASS
			Ant1	6907.40	-66.38	≤-47	0.23014	≤20	PASS
			Ant1	6928.01	-66.05	≤-47	0.24831	≤20	PASS
			Ant1	6950.49	-65.63	≤-47	0.27353	≤20	PASS
			Ant1	6998.16	-64.72	≤-47	0.33729	≤20	PASS
			total	910.59	---	---	0.00211	≤4	PASS
			total	936.73	---	---	0.00229	≤4	PASS
			total	6588.97	---	---	0.26365	≤20	PASS
			total	6883.17	---	---	0.41405	≤20	PASS
			total	6907.40	---	---	0.45660	≤20	PASS
			total	6928.01	---	---	0.48986	≤20	PASS
			total	6950.49	---	---	0.54145	≤20	PASS
			total	6998.16	---	---	0.66766	≤20	PASS
	Ant0	2442	Ant0	872.94	-89.32	≤-54	0.00117	≤4	PASS
			Ant0	962.42	-89.24	≤-54	0.00119	≤4	PASS
			Ant0	6781.72	-67.64	≤-47	0.17219	≤20	PASS
			Ant0	6876.53	-67.00	≤-47	0.19953	≤20	PASS
			Ant0	6894.11	-66.68	≤-47	0.21478	≤20	PASS
			Ant0	6908.21	-66.46	≤-47	0.22594	≤20	PASS
			Ant0	6921.67	-66.26	≤-47	0.23659	≤20	PASS
			Ant0	6992.52	-64.95	≤-47	0.31989	≤20	PASS
			Ant1	872.94	-89.88	≤-54	0.00103	≤4	PASS
			Ant1	962.42	-89.59	≤-54	0.00110	≤4	PASS



			Ant1	6781.72	-67.59	≤-47	0.17418	≤20	PASS
			Ant1	6876.53	-66.93	≤-47	0.20277	≤20	PASS
			Ant1	6894.11	-66.56	≤-47	0.22080	≤20	PASS
			Ant1	6908.21	-66.36	≤-47	0.23121	≤20	PASS
			Ant1	6921.67	-66.18	≤-47	0.24099	≤20	PASS
			Ant1	6992.52	-64.87	≤-47	0.32584	≤20	PASS
			total	872.94	---	---	0.00220	≤4	PASS
			total	962.42	---	---	0.00229	≤4	PASS
			total	6781.72	---	---	0.34637	≤20	PASS
			total	6876.53	---	---	0.40230	≤20	PASS
			total	6894.11	---	---	0.43558	≤20	PASS
			total	6908.21	---	---	0.45715	≤20	PASS
			total	6921.67	---	---	0.47758	≤20	PASS
			total	6992.52	---	---	0.64573	≤20	PASS
	Ant1	2442	Ant0	6868.77	-67.15	≤-47	0.19275	≤20	PASS
			Ant0	6893.42	-66.70	≤-47	0.21380	≤20	PASS
			Ant0	6926.41	-66.15	≤-47	0.24266	≤20	PASS
			Ant0	6992.36	-64.94	≤-47	0.32063	≤20	PASS
			Ant1	6868.77	-67.11	≤-47	0.19454	≤20	PASS
			Ant1	6893.42	-66.63	≤-47	0.21727	≤20	PASS
			Ant1	6926.41	-66.06	≤-47	0.24774	≤20	PASS
			Ant1	6992.36	-64.86	≤-47	0.32659	≤20	PASS
			total	6868.77	---	---	0.38729	≤20	PASS
			total	6893.42	---	---	0.43107	≤20	PASS
			total	6926.41	---	---	0.49040	≤20	PASS
			total	6992.36	---	---	0.64722	≤20	PASS
	Ant0	2472	Ant0	6731.40	-67.80	≤-47	0.16596	≤20	PASS
			Ant0	6750.57	-67.64	≤-47	0.17219	≤20	PASS
			Ant0	6845.03	-67.51	≤-47	0.17742	≤20	PASS
			Ant0	6916.83	-66.33	≤-47	0.23281	≤20	PASS
			Ant0	6952.35	-65.68	≤-47	0.27040	≤20	PASS
			Ant0	6998.40	-64.80	≤-47	0.33113	≤20	PASS
			Ant1	6731.40	-67.74	≤-47	0.16827	≤20	PASS
			Ant1	6750.57	-67.61	≤-47	0.17338	≤20	PASS
			Ant1	6845.03	-67.50	≤-47	0.17783	≤20	PASS
			Ant1	6916.83	-66.24	≤-47	0.23768	≤20	PASS
			Ant1	6952.35	-65.57	≤-47	0.27733	≤20	PASS
			Ant1	6998.40	-64.70	≤-47	0.33884	≤20	PASS
			total	6731.40	---	---	0.33423	≤20	PASS
			total	6750.57	---	---	0.34557	≤20	PASS
			total	6845.03	---	---	0.35525	≤20	PASS
			total	6916.83	---	---	0.47049	≤20	PASS
			total	6952.35	---	---	0.54773	≤20	PASS
			total	6998.40	---	---	0.66997	≤20	PASS
	Ant1	2472	Ant0	6477.46	-68.39	≤-47	0.14488	≤20	PASS
			Ant0	6831.34	-67.58	≤-47	0.17458	≤20	PASS
			Ant0	6858.72	-67.34	≤-47	0.18450	≤20	PASS
			Ant0	6915.31	-66.35	≤-47	0.23174	≤20	PASS
			Ant0	6955.79	-65.63	≤-47	0.27353	≤20	PASS
			Ant0	6974.36	-65.35	≤-47	0.29174	≤20	PASS
			Ant1	6477.46	-68.36	≤-47	0.14588	≤20	PASS
			Ant1	6831.34	-67.51	≤-47	0.17742	≤20	PASS
			Ant1	6858.72	-67.30	≤-47	0.18621	≤20	PASS
			Ant1	6915.31	-66.25	≤-47	0.23714	≤20	PASS
			Ant1	6955.79	-65.53	≤-47	0.27990	≤20	PASS
			Ant1	6974.36	-65.26	≤-47	0.29785	≤20	PASS
			total	6477.46	---	---	0.29076	≤20	PASS
			total	6831.34	---	---	0.35200	≤20	PASS
			total	6858.72	---	---	0.37071	≤20	PASS
			total	6915.31	---	---	0.46888	≤20	PASS
			total	6955.79	---	---	0.55343	≤20	PASS
			total	6974.36	---	---	0.58959	≤20	PASS
11N40MIMO	Ant0	2422	Ant0	978.23	-89.48	≤-54	0.00113	≤4	PASS
			Ant0	6831.76	-67.56	≤-47	0.17539	≤20	PASS
			Ant0	6869.59	-67.15	≤-47	0.19275	≤20	PASS



			Ant0	6889.83	-66.77	≤-47	0.21038	≤20	PASS
			Ant0	6914.73	-66.37	≤-47	0.23067	≤20	PASS
			Ant0	6981.51	-65.20	≤-47	0.30200	≤20	PASS
			Ant1	978.23	-89.24	≤-54	0.00119	≤4	PASS
			Ant1	6831.76	-67.54	≤-47	0.17620	≤20	PASS
			Ant1	6869.59	-67.12	≤-47	0.19409	≤20	PASS
			Ant1	6889.83	-66.69	≤-47	0.21429	≤20	PASS
			Ant1	6914.73	-66.27	≤-47	0.23605	≤20	PASS
			Ant1	6981.51	-65.10	≤-47	0.30903	≤20	PASS
			total	978.23	---	---	0.00232	≤4	PASS
			total	6831.76	---	---	0.35159	≤20	PASS
			total	6869.59	---	---	0.38684	≤20	PASS
			total	6889.83	---	---	0.42467	≤20	PASS
			total	6914.73	---	---	0.46672	≤20	PASS
			total	6981.51	---	---	0.61103	≤20	PASS
Ant1	2422		Ant0	919.32	-89.06	≤-54	0.00124	≤4	PASS
			Ant0	992.57	-89.20	≤-54	0.00120	≤4	PASS
			Ant0	6764.58	-67.66	≤-47	0.17140	≤20	PASS
			Ant0	6867.38	-67.19	≤-47	0.19099	≤20	PASS
			Ant0	6872.00	-67.10	≤-47	0.19498	≤20	PASS
			Ant0	6890.00	-66.76	≤-47	0.21086	≤20	PASS
			Ant0	6910.56	-66.42	≤-47	0.22803	≤20	PASS
			Ant0	6990.67	-65.02	≤-47	0.31477	≤20	PASS
			Ant1	919.32	-89.68	≤-54	0.00108	≤4	PASS
			Ant1	992.57	-89.18	≤-54	0.00121	≤4	PASS
			Ant1	6764.58	-67.62	≤-47	0.17298	≤20	PASS
			Ant1	6867.38	-67.15	≤-47	0.19275	≤20	PASS
			Ant1	6872.00	-67.05	≤-47	0.19724	≤20	PASS
			Ant1	6890.00	-66.69	≤-47	0.21429	≤20	PASS
			Ant1	6910.56	-66.33	≤-47	0.23281	≤20	PASS
			Ant1	6990.67	-64.94	≤-47	0.32063	≤20	PASS
			total	919.32	---	---	0.00232	≤4	PASS
			total	992.57	---	---	0.00241	≤4	PASS
			total	6764.58	---	---	0.34438	≤20	PASS
			total	6867.38	---	---	0.38374	≤20	PASS
			total	6872.00	---	---	0.39222	≤20	PASS
			total	6890.00	---	---	0.42515	≤20	PASS
			total	6910.56	---	---	0.46084	≤20	PASS
			total	6990.67	---	---	0.63540	≤20	PASS
Ant0	2442		Ant0	6792.77	-67.67	≤-47	0.17100	≤20	PASS
			Ant0	6881.86	-66.92	≤-47	0.20324	≤20	PASS
			Ant0	6944.35	-65.83	≤-47	0.26122	≤20	PASS
			Ant1	6792.77	-67.60	≤-47	0.17378	≤20	PASS
			Ant1	6881.86	-66.85	≤-47	0.20654	≤20	PASS
			Ant1	6944.35	-65.74	≤-47	0.26669	≤20	PASS
			total	6792.77	---	---	0.34478	≤20	PASS
			total	6881.86	---	---	0.40978	≤20	PASS
Ant1	2442		total	6944.35	---	---	0.52791	≤20	PASS
			Ant0	6785.89	-67.67	≤-47	0.17100	≤20	PASS
			Ant0	6825.48	-67.21	≤-47	0.19011	≤20	PASS
			Ant0	6922.54	-66.22	≤-47	0.23878	≤20	PASS
			Ant0	6936.15	-65.98	≤-47	0.25235	≤20	PASS
			Ant0	6972.01	-65.37	≤-47	0.29040	≤20	PASS
			Ant1	6785.89	-67.60	≤-47	0.17378	≤20	PASS
			Ant1	6825.48	-67.15	≤-47	0.19275	≤20	PASS
			Ant1	6922.54	-66.13	≤-47	0.24378	≤20	PASS
			Ant1	6936.15	-65.91	≤-47	0.25645	≤20	PASS
			Ant1	6972.01	-65.29	≤-47	0.29580	≤20	PASS
			total	6785.89	---	---	0.34478	≤20	PASS
Ant0	2462		total	6825.48	---	---	0.38286	≤20	PASS
			total	6922.54	---	---	0.48256	≤20	PASS
			total	6936.15	---	---	0.50880	≤20	PASS
			total	6972.01	---	---	0.58620	≤20	PASS
			Ant0	788.61	-90.50	≤-54	0.00089	≤4	PASS
			Ant0	998.13	-89.20	≤-54	0.00120	≤4	PASS

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TRF No: CTC-TR-070_A3

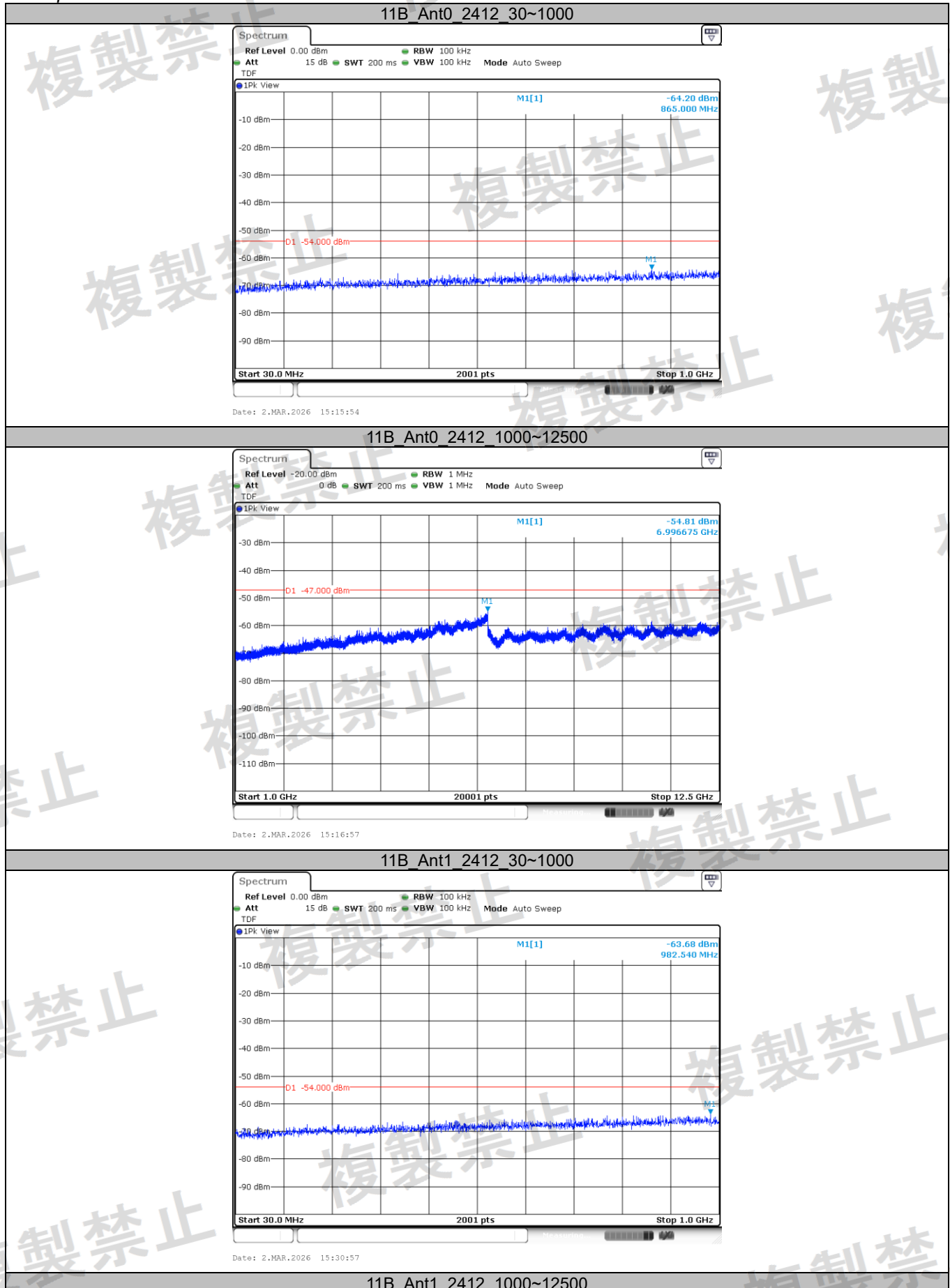
Master TRF : Dated 2026-01-01



			Ant0	6772.38	-67.66	≤-47	0.17140	≤20	PASS
			Ant0	6830.32	-67.56	≤-47	0.17539	≤20	PASS
			Ant0	6934.34	-66.02	≤-47	0.25003	≤20	PASS
			Ant0	6955.01	-65.65	≤-47	0.27227	≤20	PASS
			Ant1	788.61	-90.34	≤-54	0.00092	≤4	PASS
			Ant1	998.13	-89.25	≤-54	0.00119	≤4	PASS
			Ant1	6772.38	-67.61	≤-47	0.17338	≤20	PASS
			Ant1	6830.32	-67.55	≤-47	0.17579	≤20	PASS
			Ant1	6934.34	-65.91	≤-47	0.25645	≤20	PASS
			Ant1	6955.01	-65.55	≤-47	0.27861	≤20	PASS
			total	788.61	---	---	0.00181	≤4	PASS
			total	998.13	---	---	0.00239	≤4	PASS
			total	6772.38	---	---	0.34478	≤20	PASS
			total	6830.32	---	---	0.35118	≤20	PASS
			total	6934.34	---	---	0.50648	≤20	PASS
			total	6955.01	---	---	0.55088	≤20	PASS
	Ant1	2462	Ant0	852.53	-89.92	≤-54	0.00102	≤4	PASS
			Ant0	950.68	-89.14	≤-54	0.00122	≤4	PASS
			Ant0	6780.77	-67.66	≤-47	0.17140	≤20	PASS
			Ant0	6884.32	-66.88	≤-47	0.20512	≤20	PASS
			Ant0	6980.22	-65.25	≤-47	0.29854	≤20	PASS
			Ant1	852.53	-90.25	≤-54	0.00094	≤4	PASS
			Ant1	950.68	-89.44	≤-54	0.00114	≤4	PASS
			Ant1	6780.77	-67.60	≤-47	0.17378	≤20	PASS
			Ant1	6884.32	-66.78	≤-47	0.20989	≤20	PASS
			Ant1	6980.22	-65.16	≤-47	0.30479	≤20	PASS
			total	852.53	---	---	0.00196	≤4	PASS
			total	950.68	---	---	0.00236	≤4	PASS
			total	6780.77	---	---	0.34518	≤20	PASS
			total	6884.32	---	---	0.41501	≤20	PASS
			total	6980.22	---	---	0.60333	≤20	PASS



Test plot as follows:



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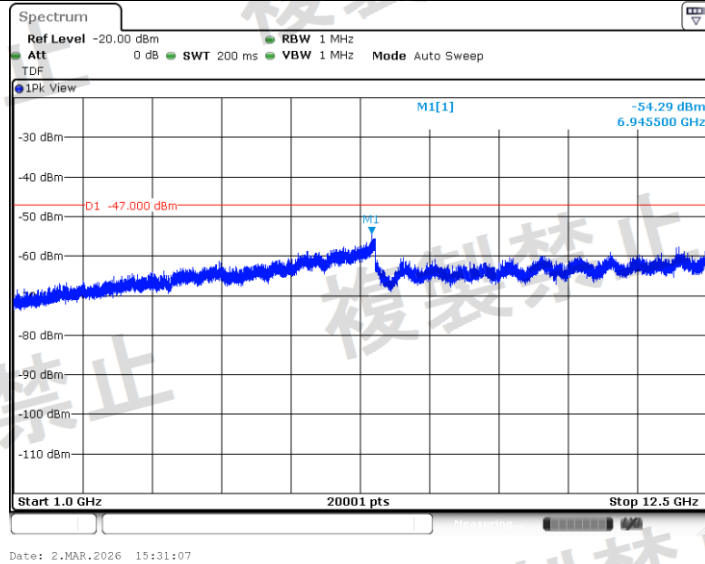
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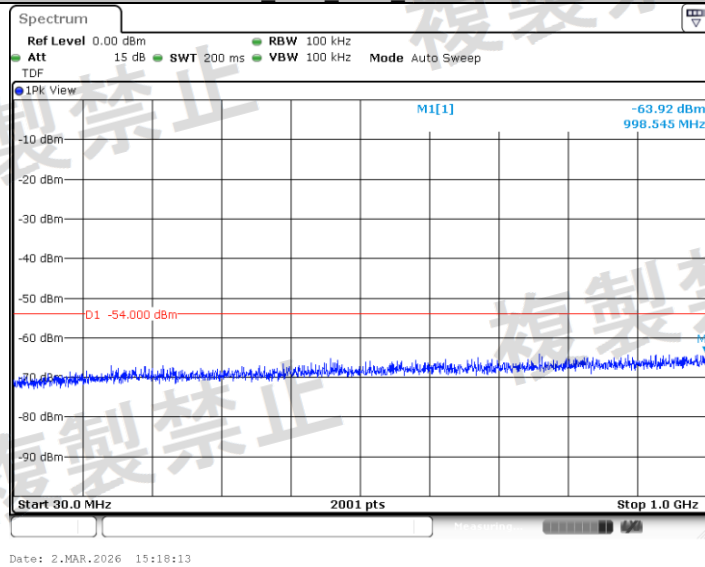
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TRF No: CTC-TR-070_A3

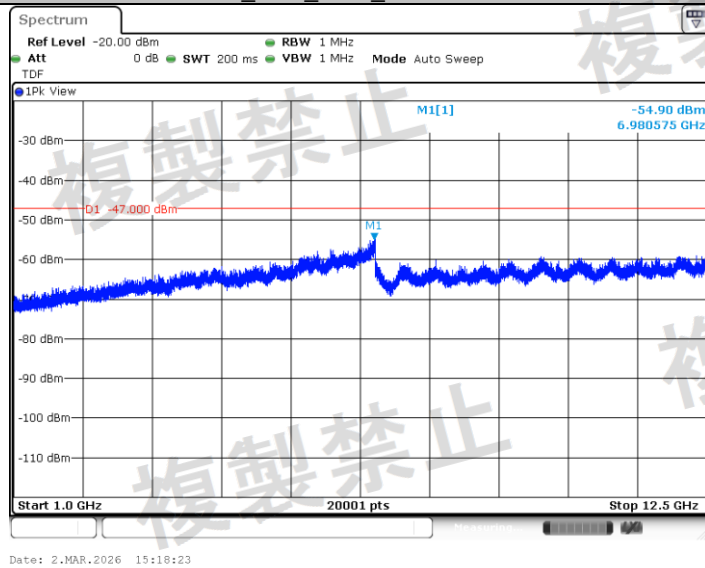
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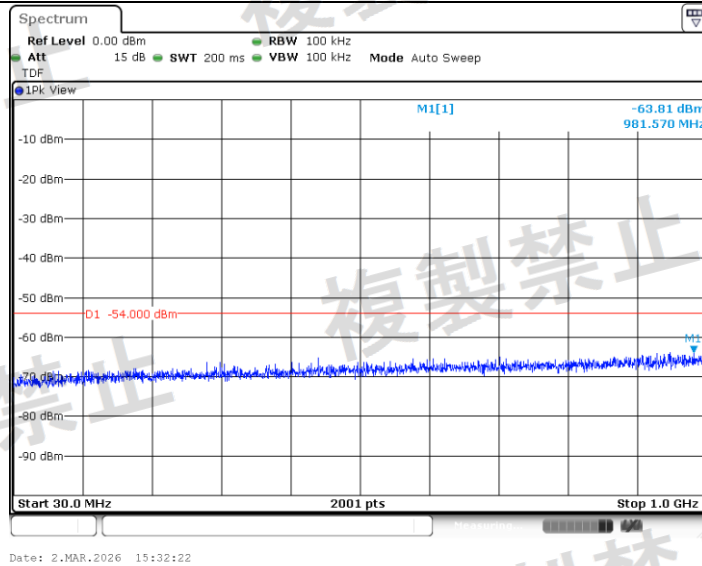
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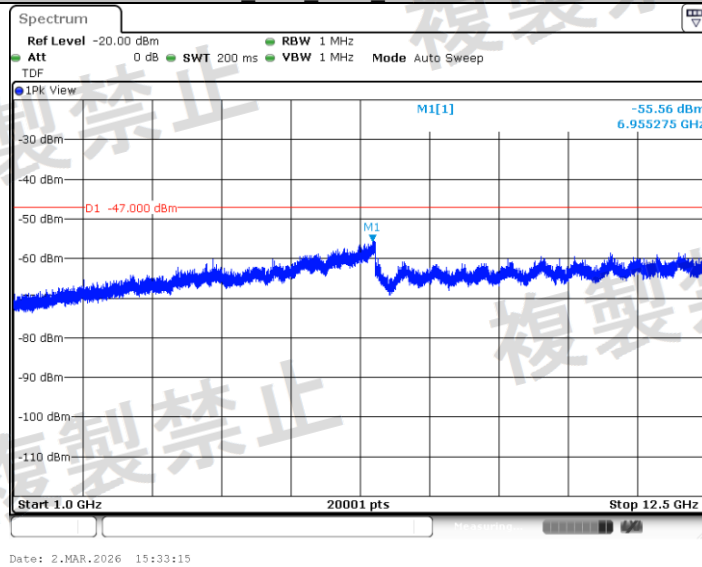
11B_Ant0_2442_1000~12500



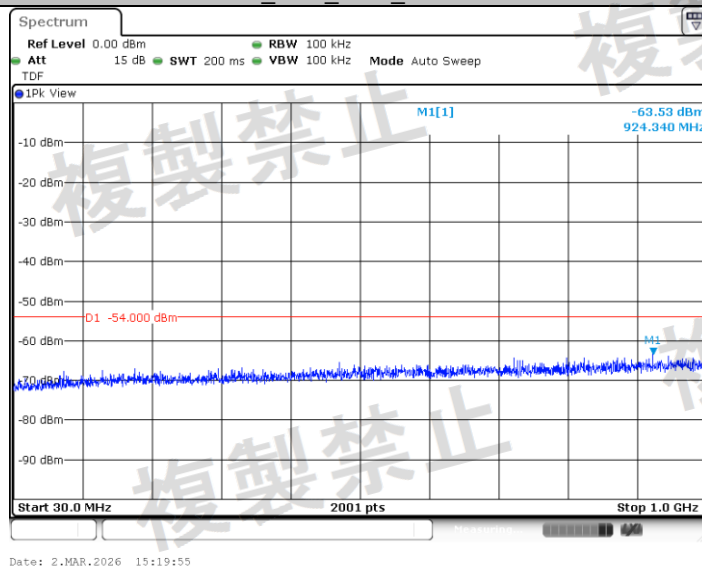
11B_Ant1_2442_30~1000



11B_Ant1_2442_1000~12500



11B_Ant0_2472_30~1000



11B_Ant0_2472_1000~12500

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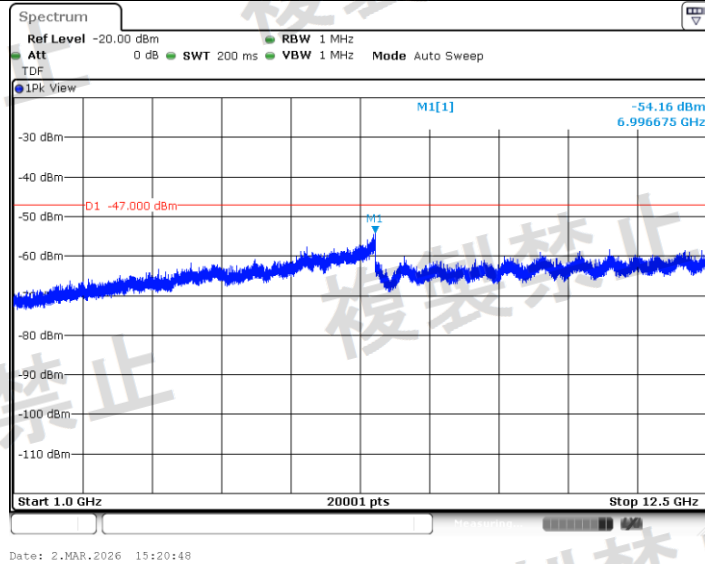
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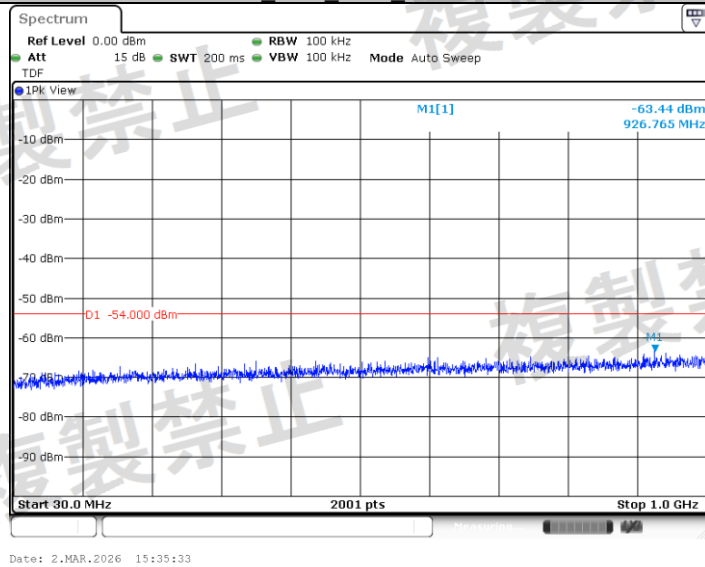
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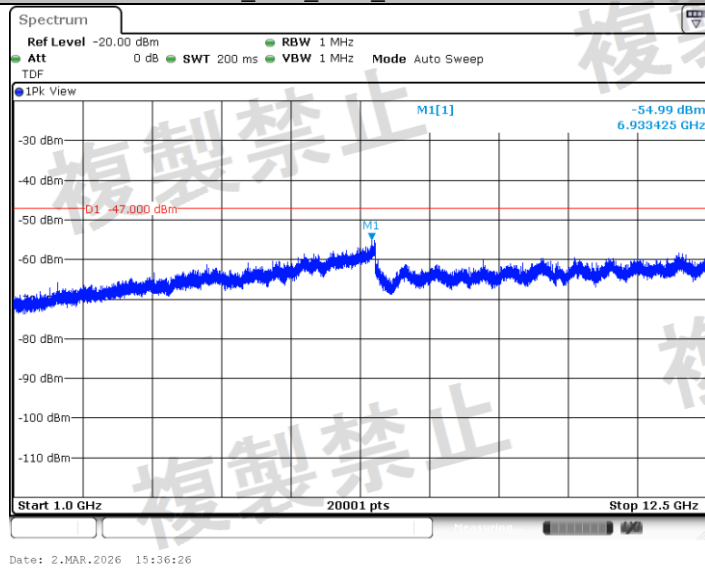
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11B_Ant1_2472_30~1000



11B_Ant1_2472_1000~12500



11G_Ant0_2412_30~1000

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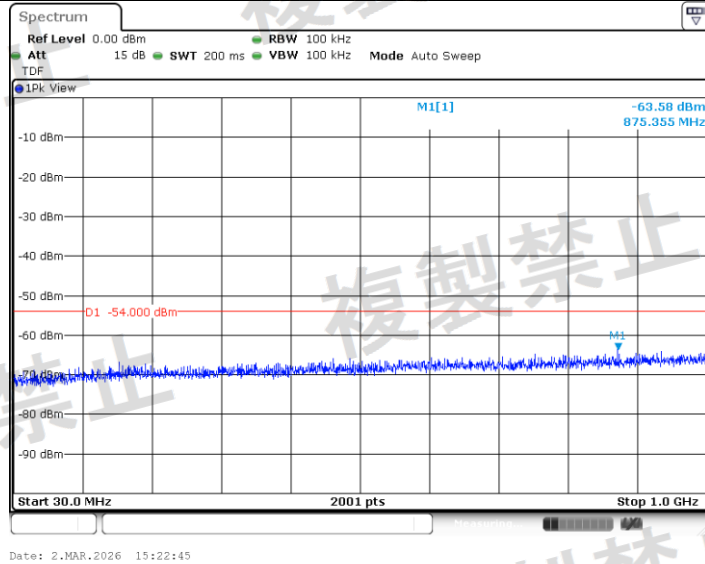
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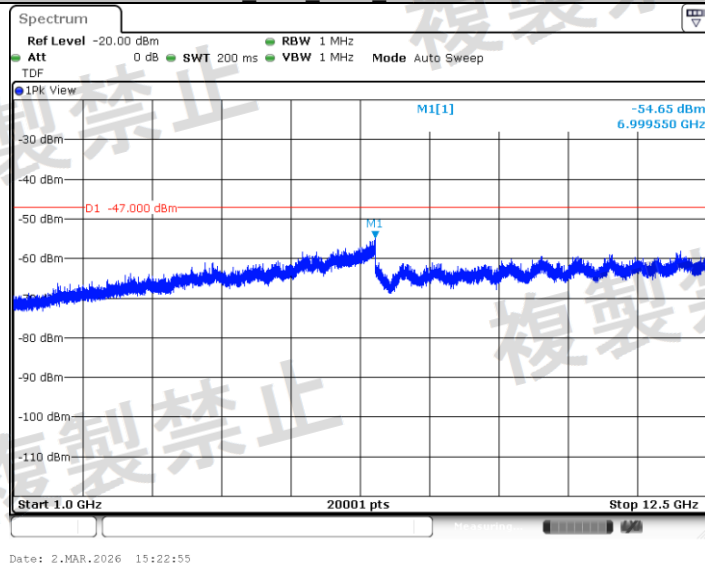
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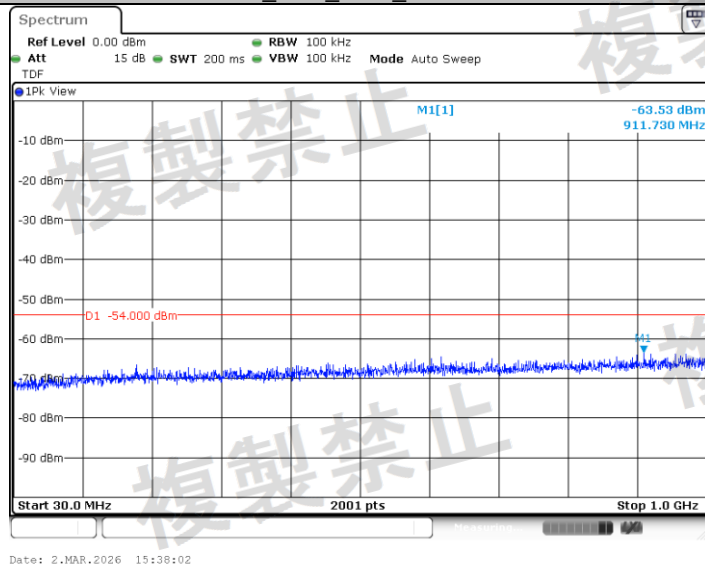
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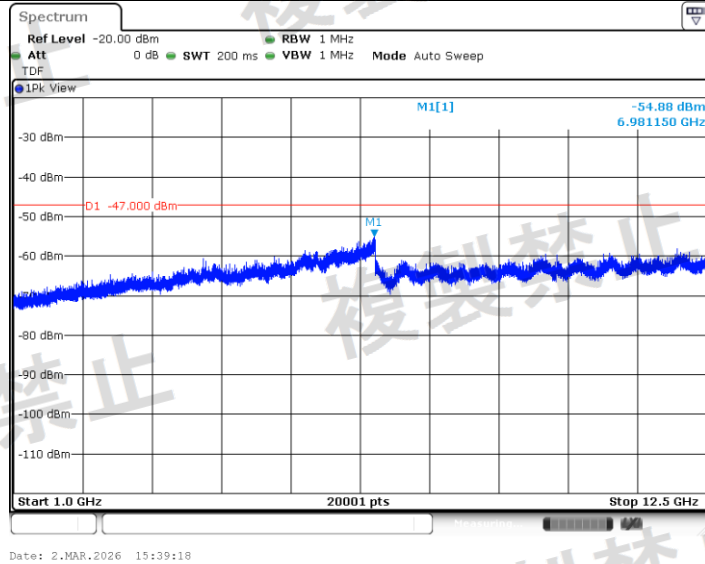
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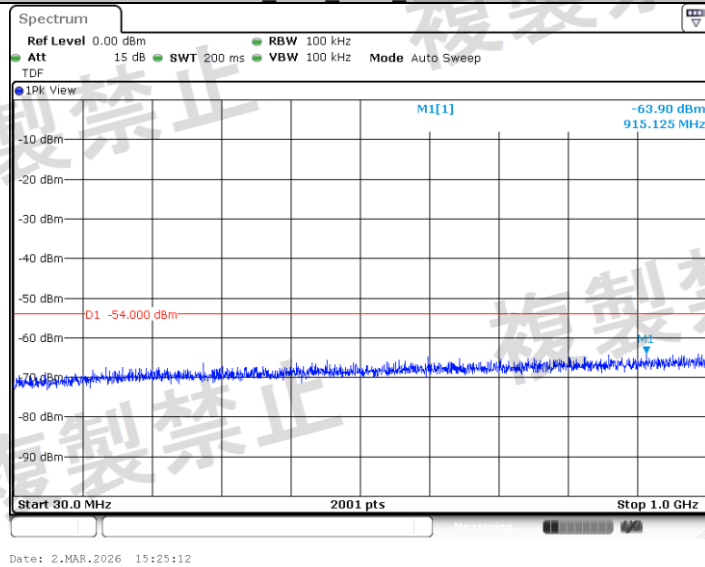
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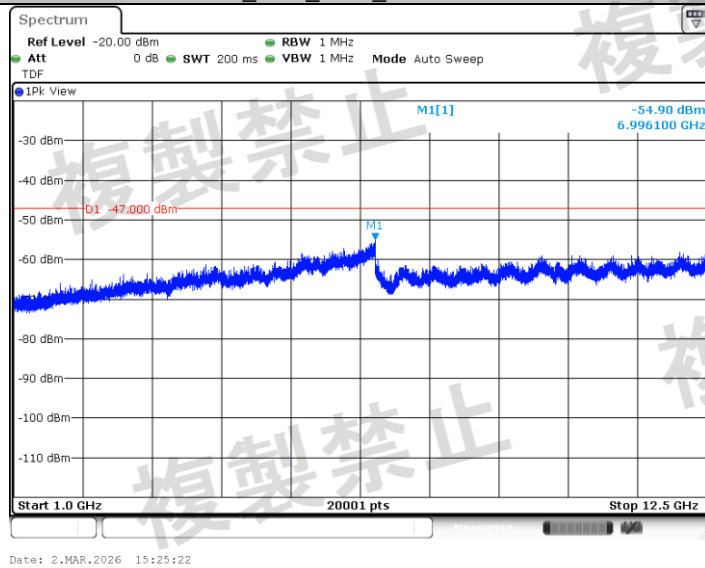
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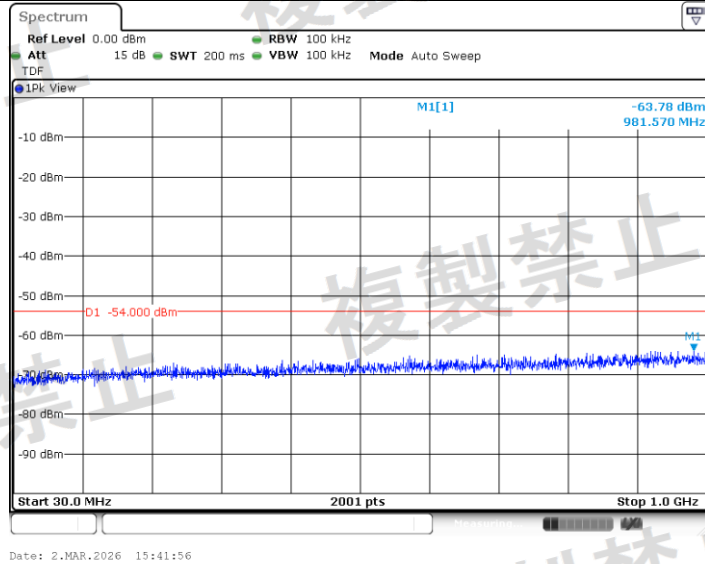
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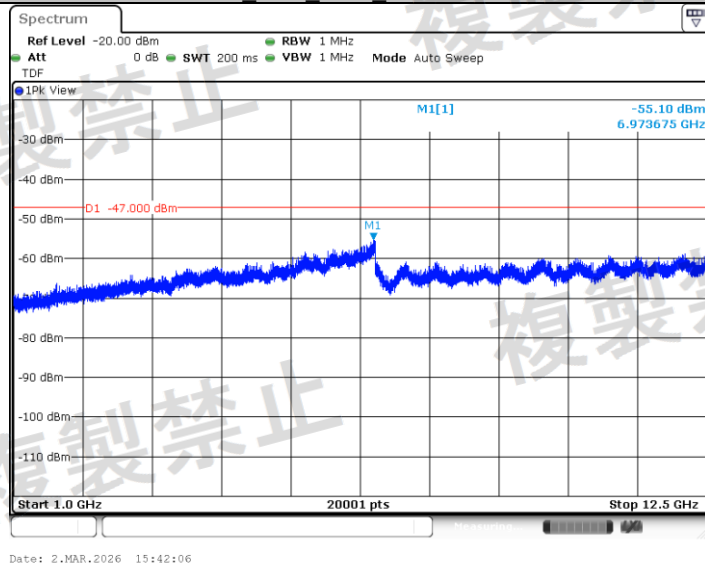
11G_Ant0_2442_1000~12500



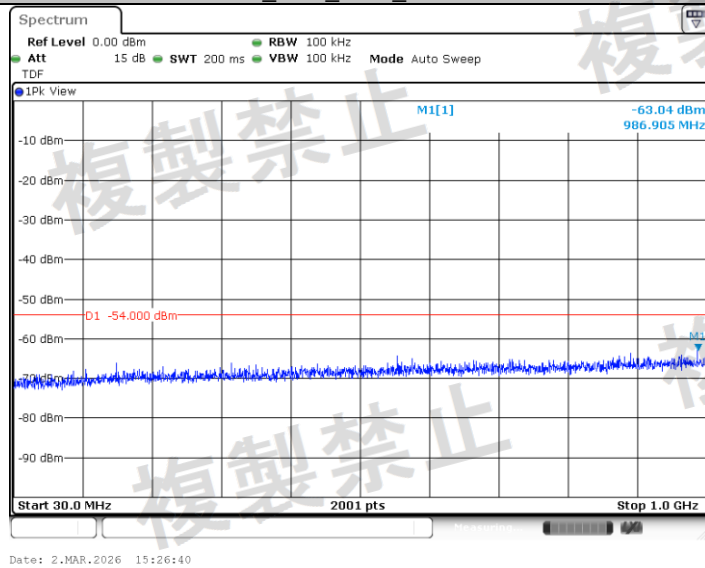
11G_Ant1_2442_30~1000



11G_Ant1_2442_1000~12500



11G_Ant0_2472_30~1000



11G_Ant0_2472_1000~12500

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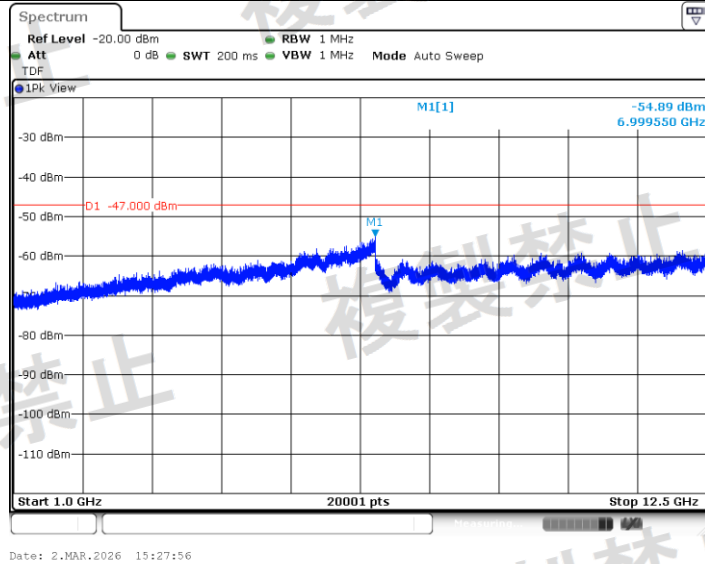
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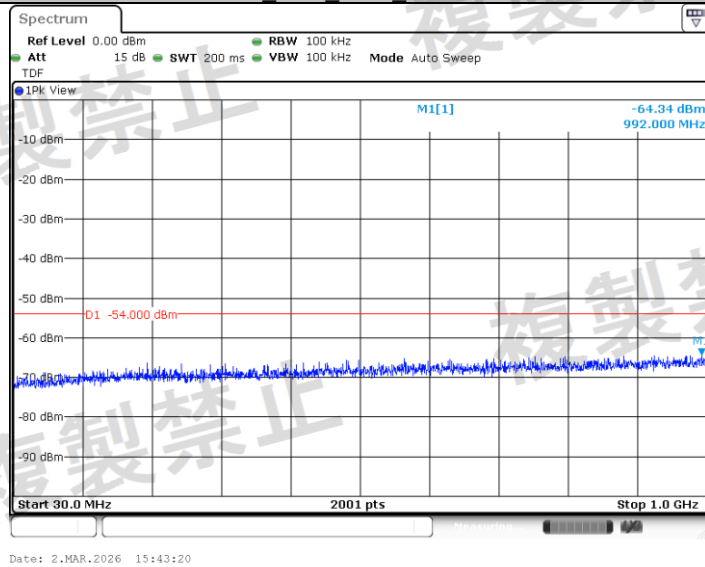
Http://www.sz-ctc.org.cn

TRF No: CTC-TR-070_A3

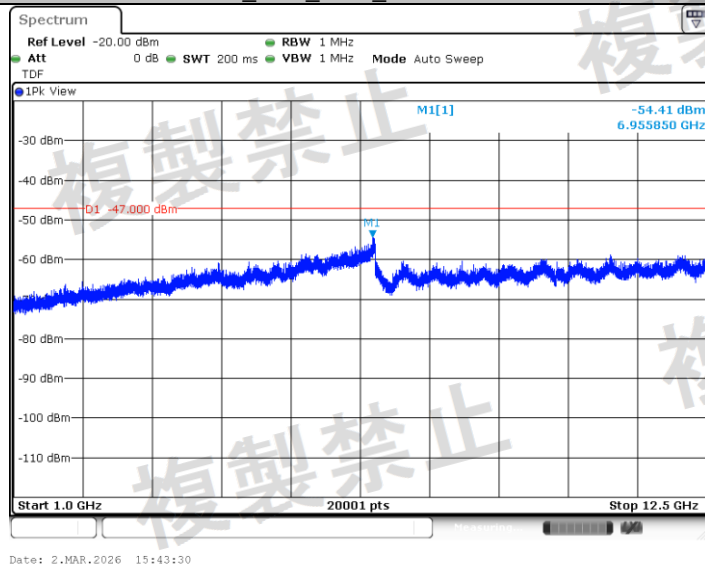
Master TRF : Dated 2026-01-01



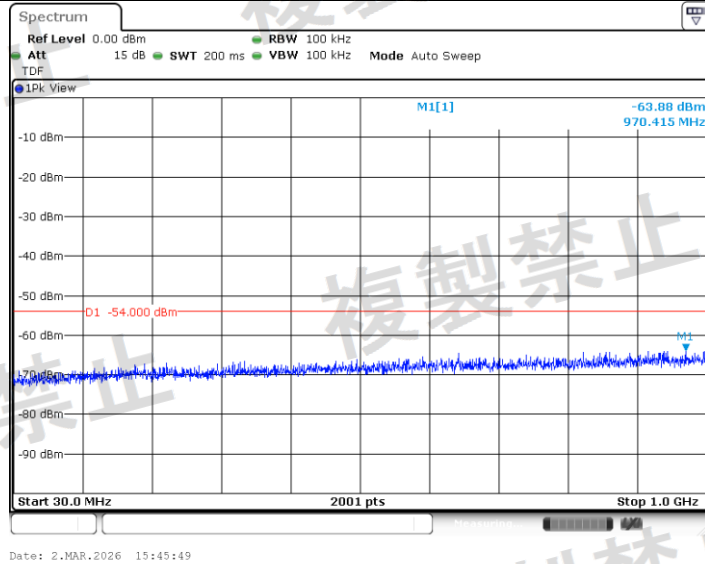
11G Ant1 2472 30~1000



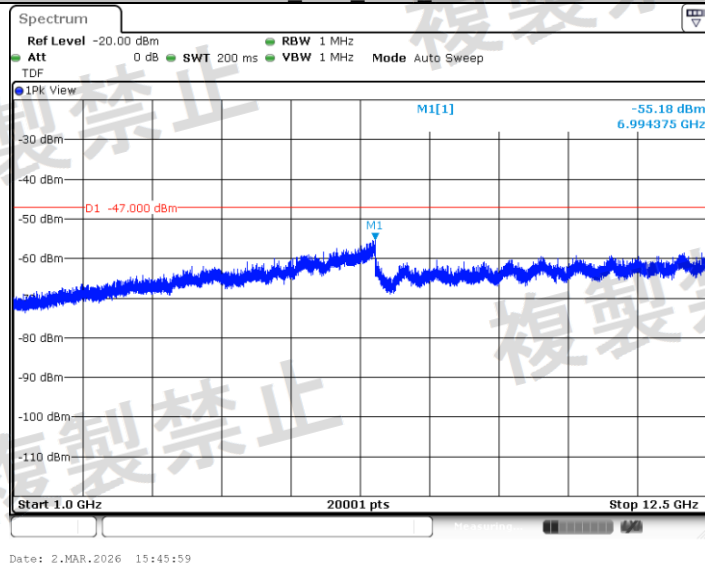
11G Ant1 2472 1000~12500



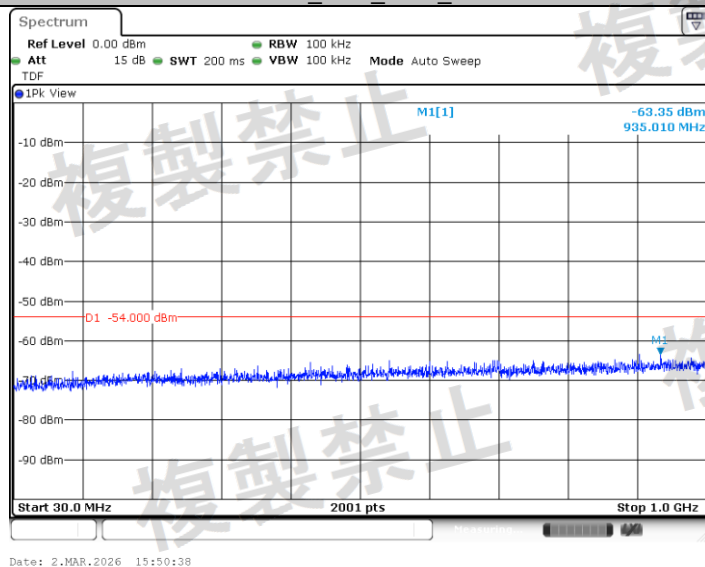
11N20MIMO Ant0 2412 30~1000



11N20MIMO_Ant0_2412_1000~12500



11N20MIMO_Ant1_2412_30~1000



11N20MIMO_Ant1_2412_1000~12500

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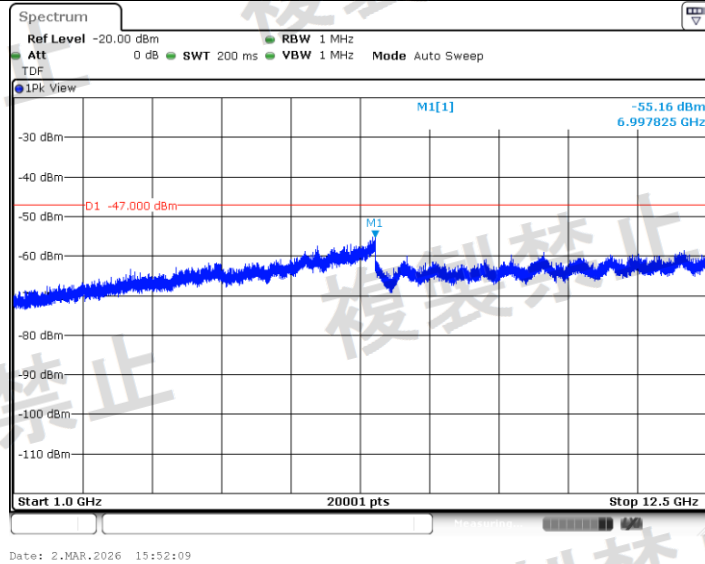
Tel.: (86)755-27521059

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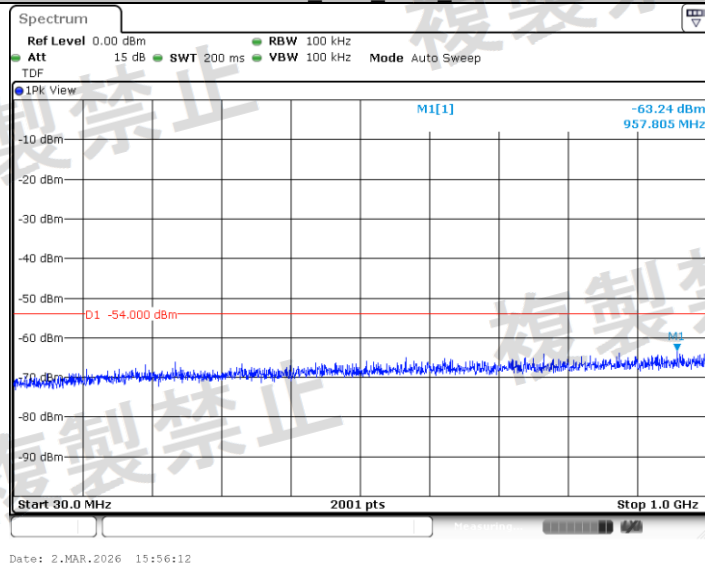
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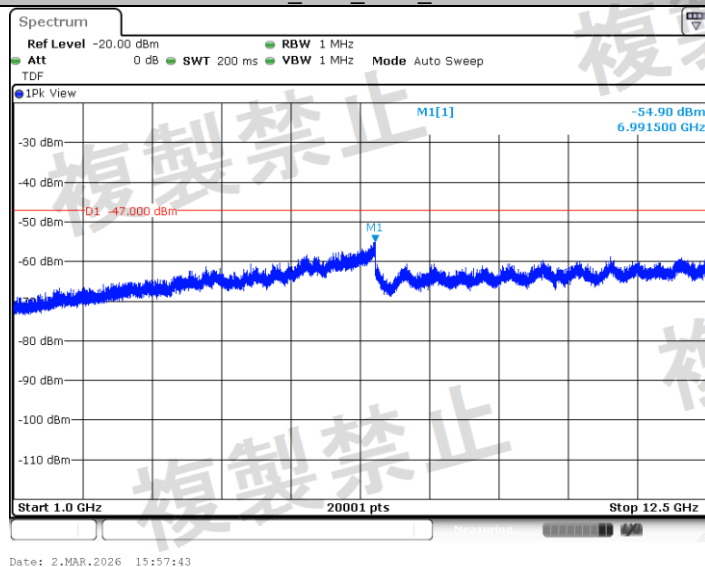
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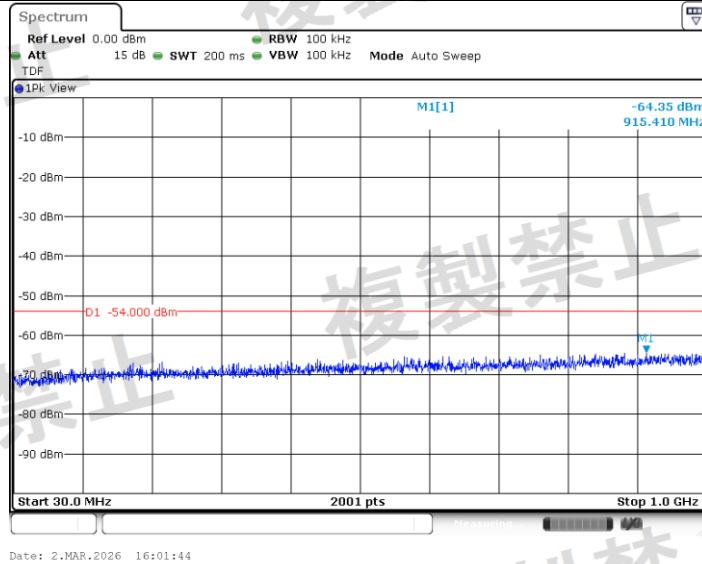
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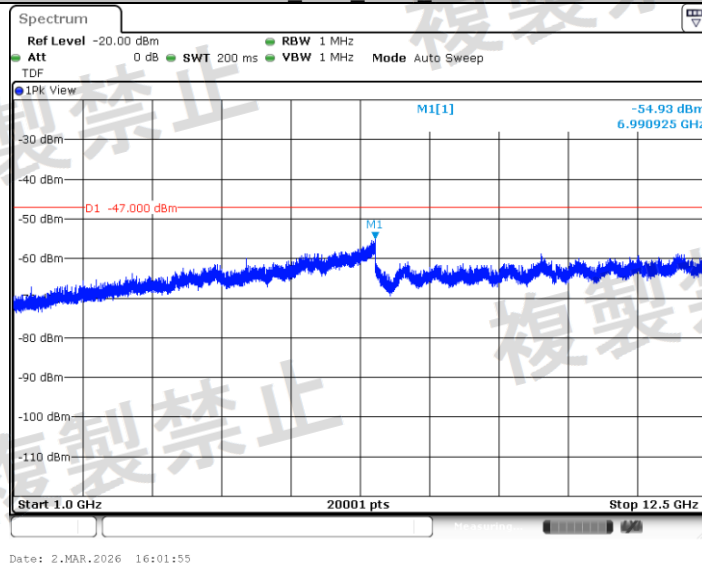
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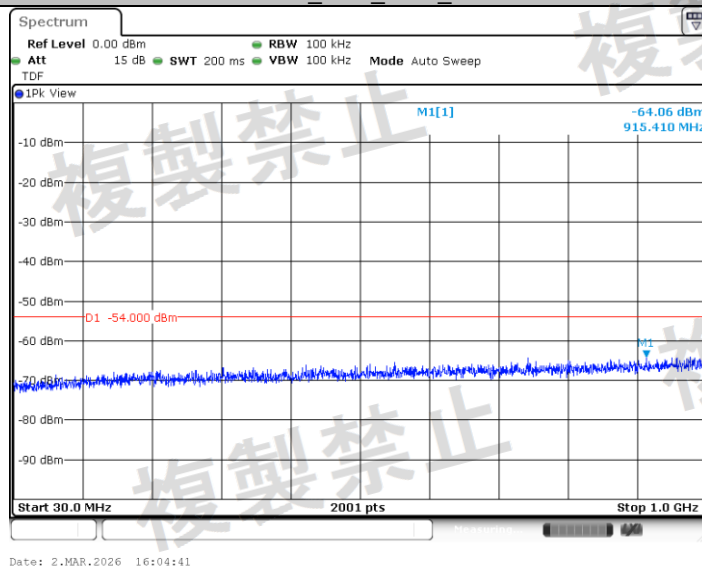
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11N20MIMO_Ant1_2442_1000~12500



11N20MIMO_Ant0_2472_30~1000



11N20MIMO_Ant0_2472_1000~12500

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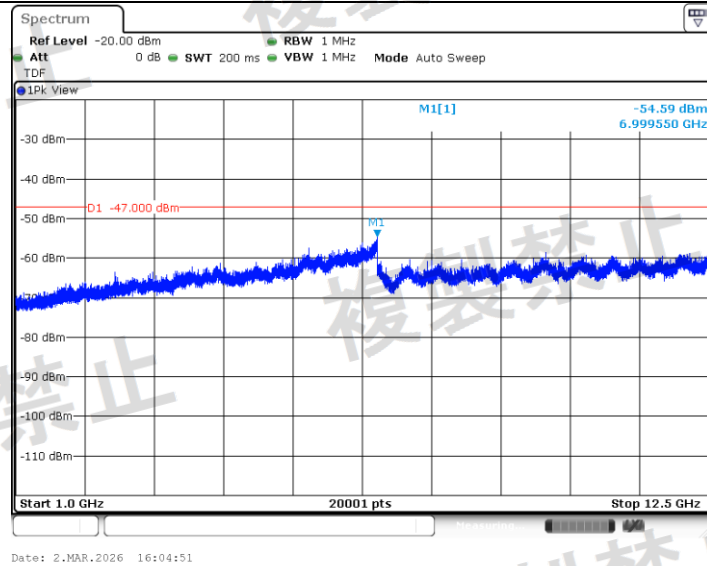
Tel.: (86)755-27521059

Fax: (86)755-27521011

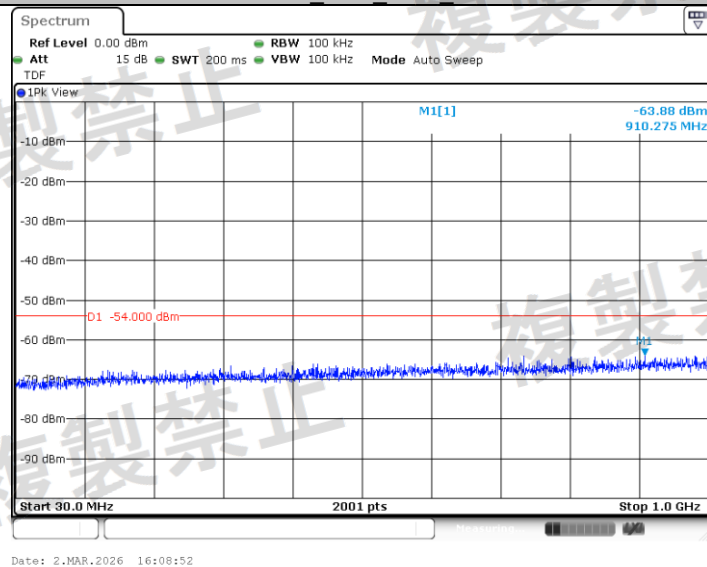
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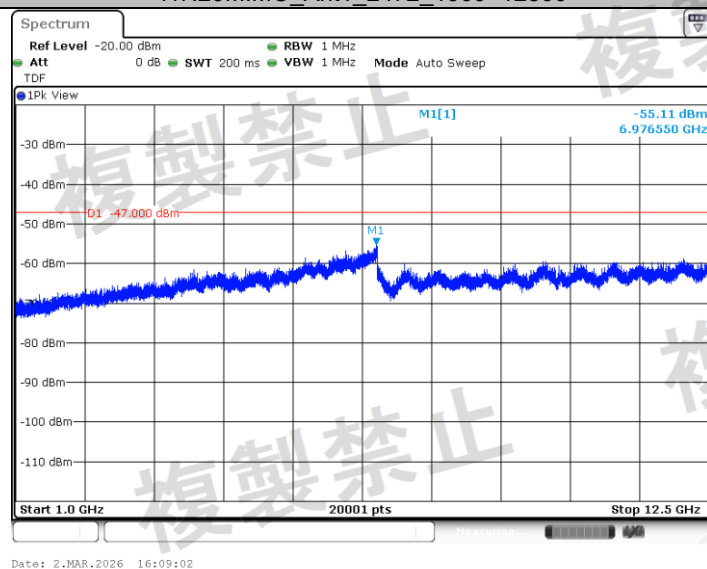
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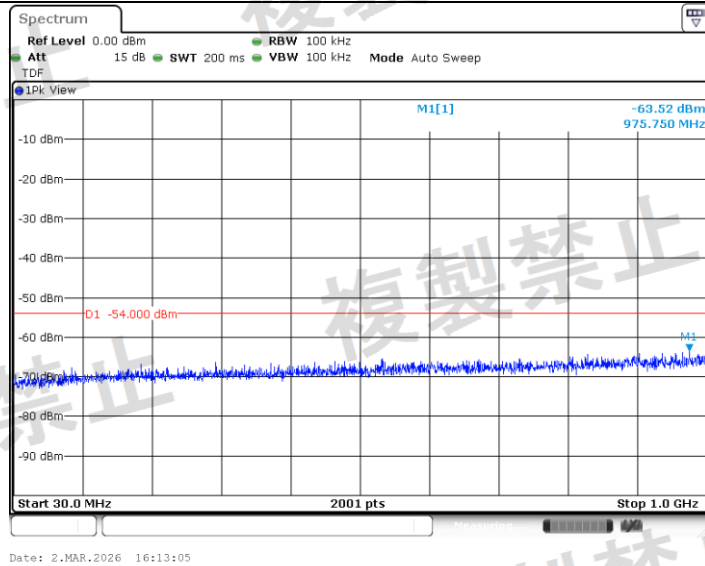
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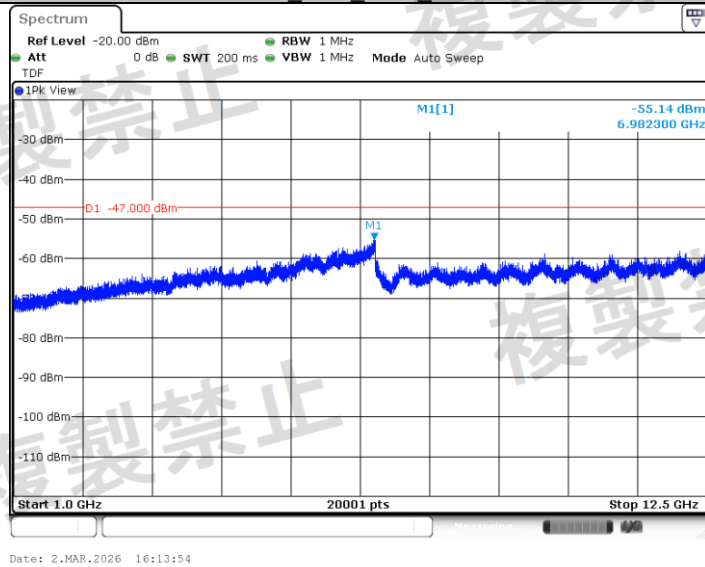
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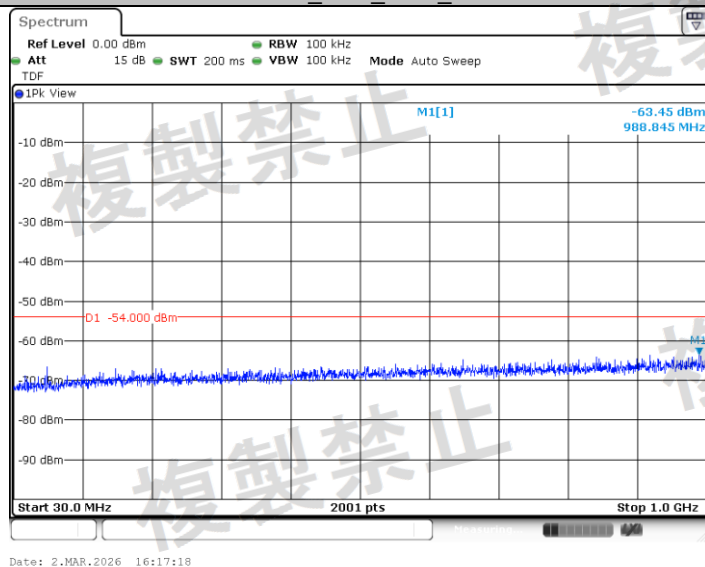
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11N40MIMO_Ant0_2422_1000~12500



11N40MIMO_Ant1_2422_30~1000



11N40MIMO_Ant1_2422_1000~12500

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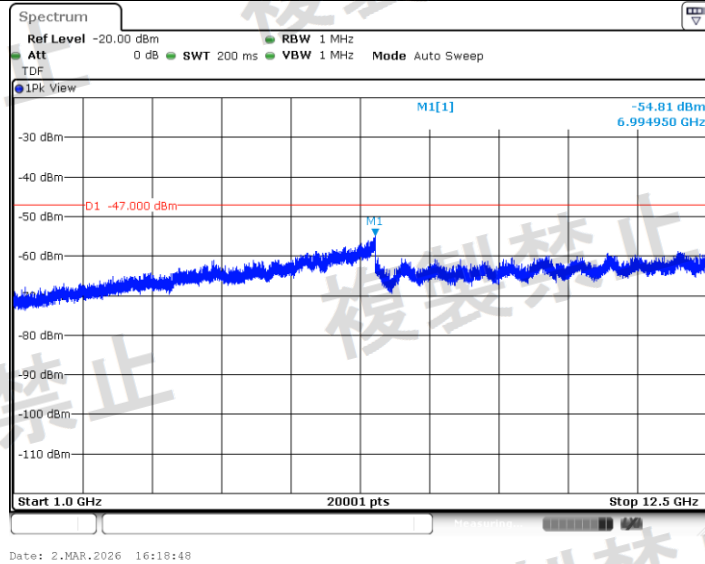
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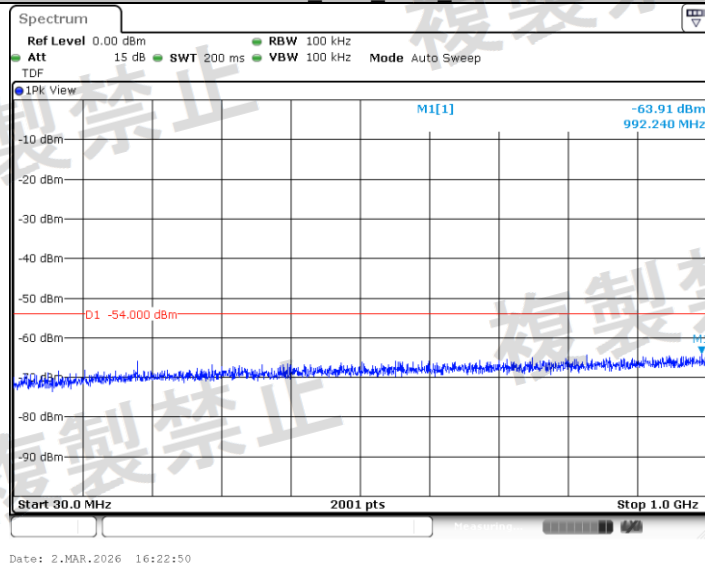
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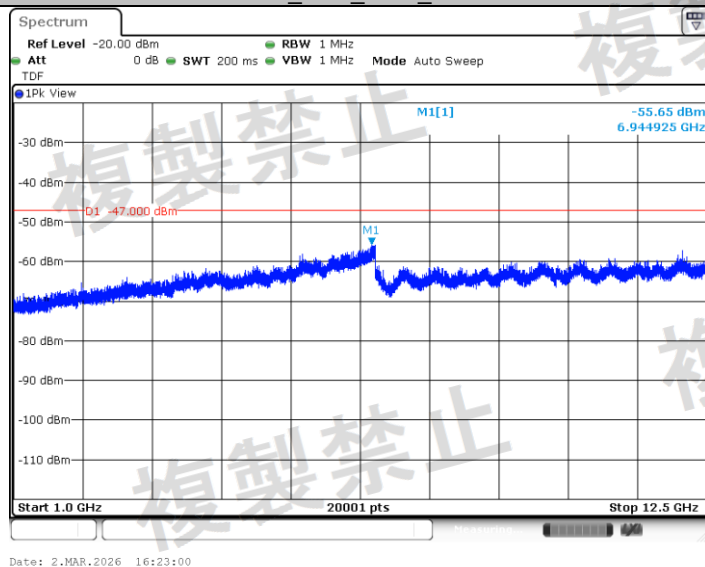
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11N40MIMO_Ant0_2442_30~1000



11N40MIMO_Ant0_2442_1000~12500



11N40MIMO_Ant1_2442_30~1000

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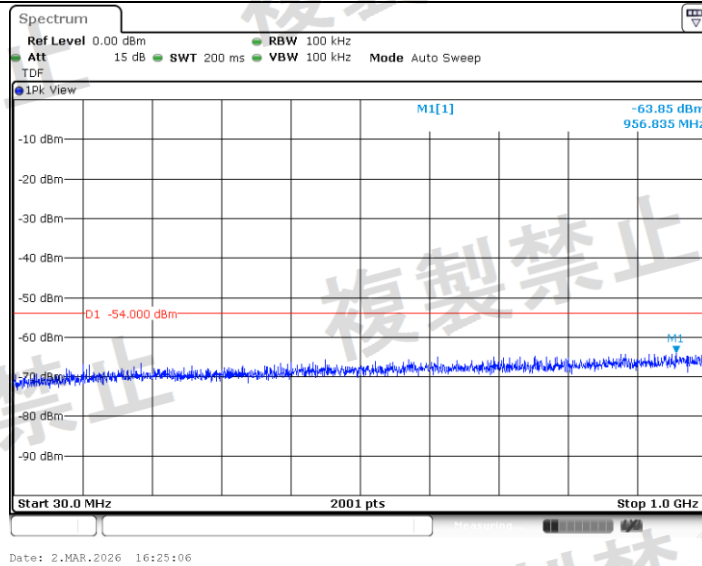
Tel.: (86)755-27521059

Fax: (86)755-27521011

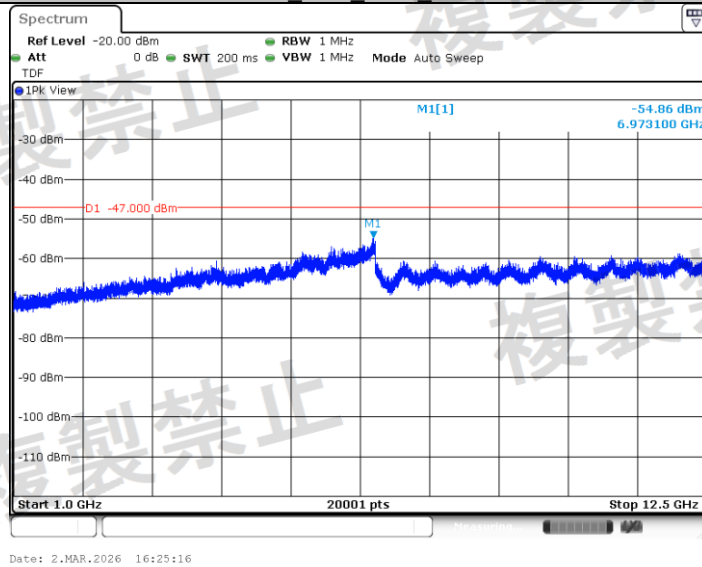
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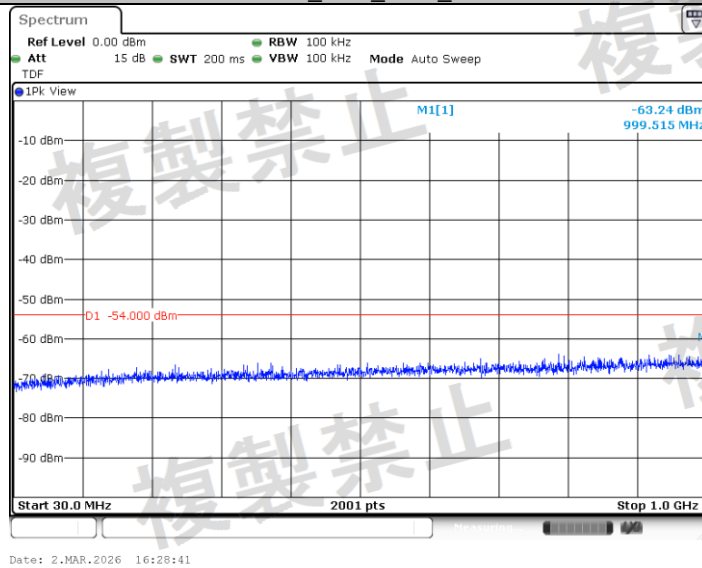
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11N40MIMO_Ant1_2442_1000~12500



11N40MIMO_Ant0_2462_30~1000



11N40MIMO_Ant0_2462_1000~12500

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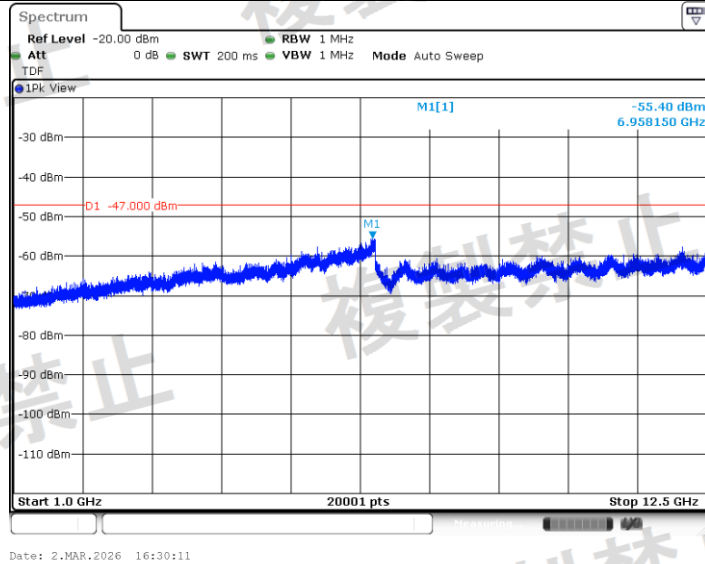
Tel.: (86)755-27521059

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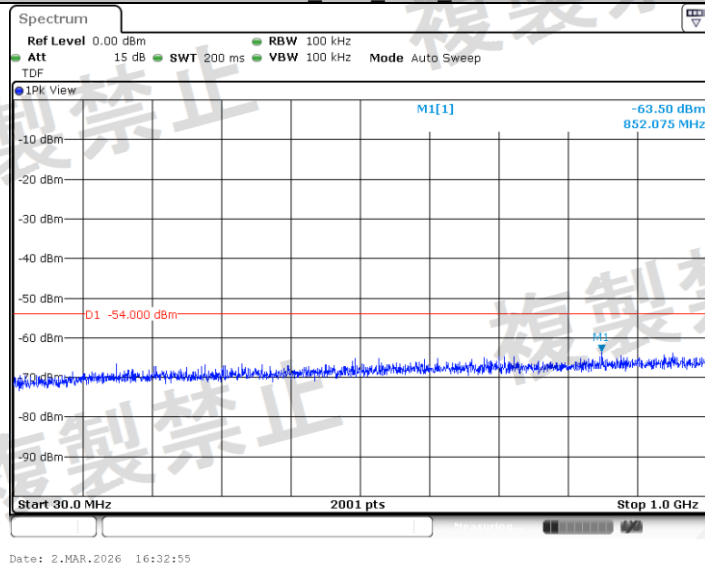
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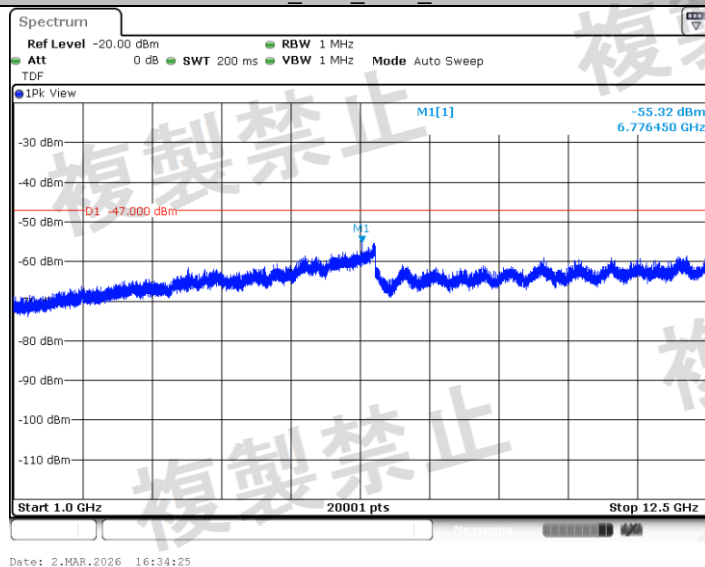
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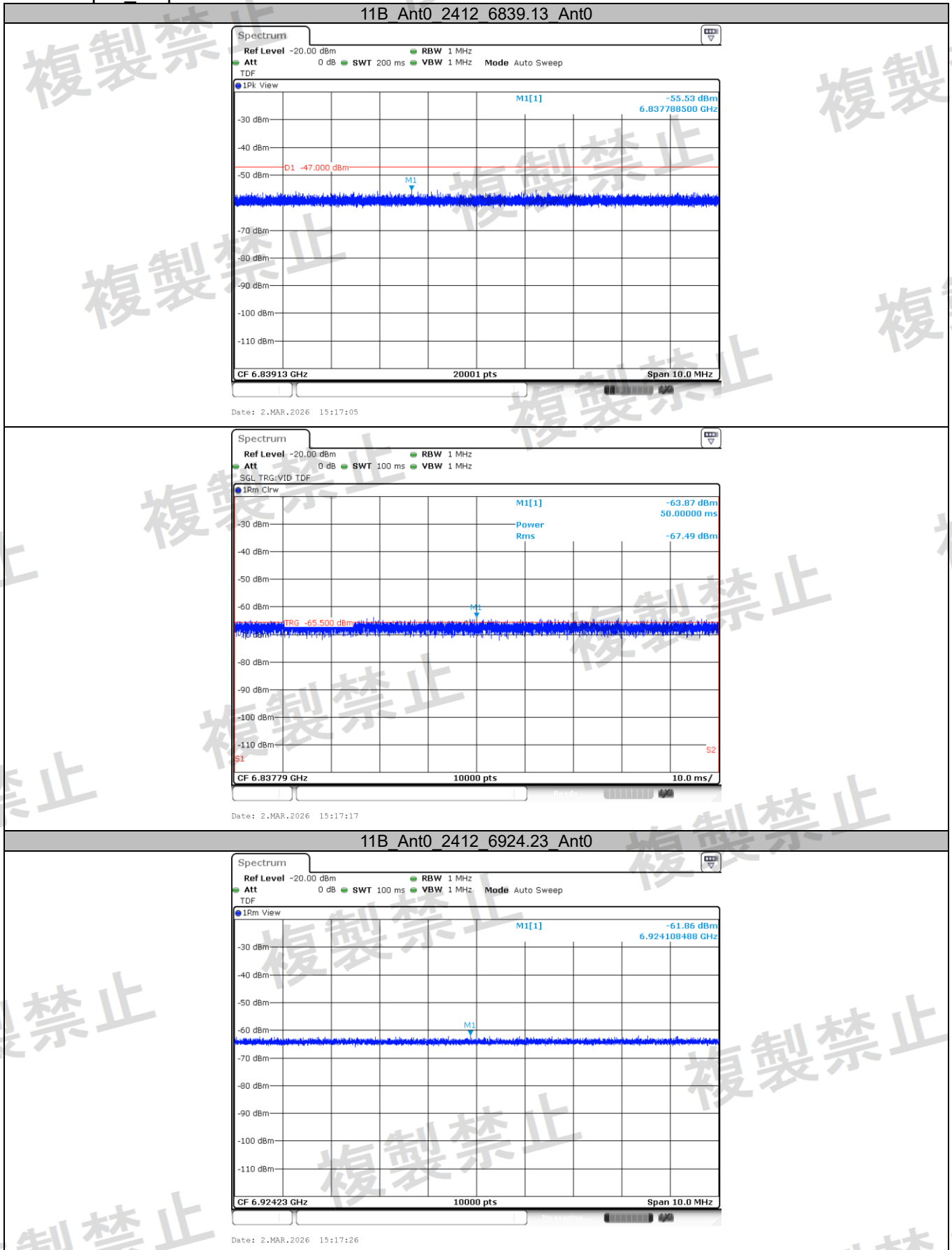


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Test Graphs_Step2



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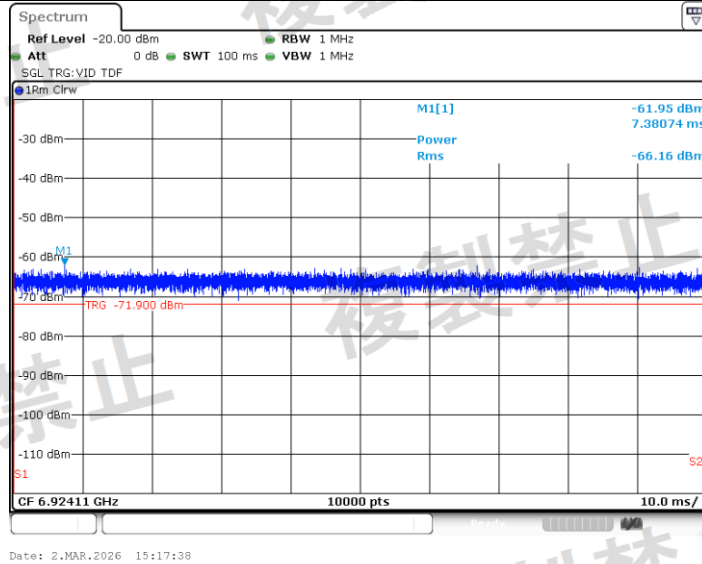
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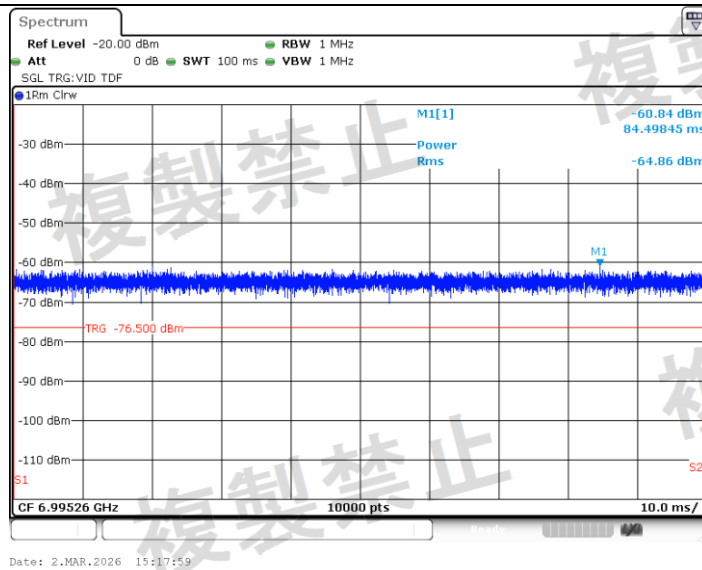
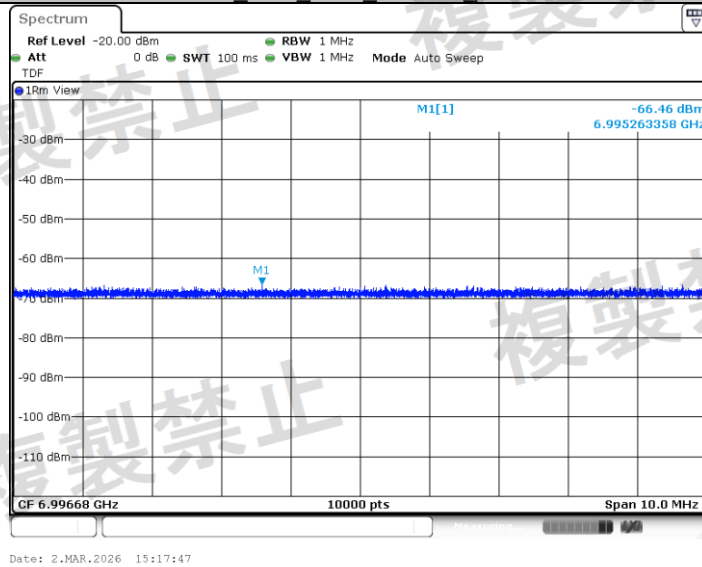
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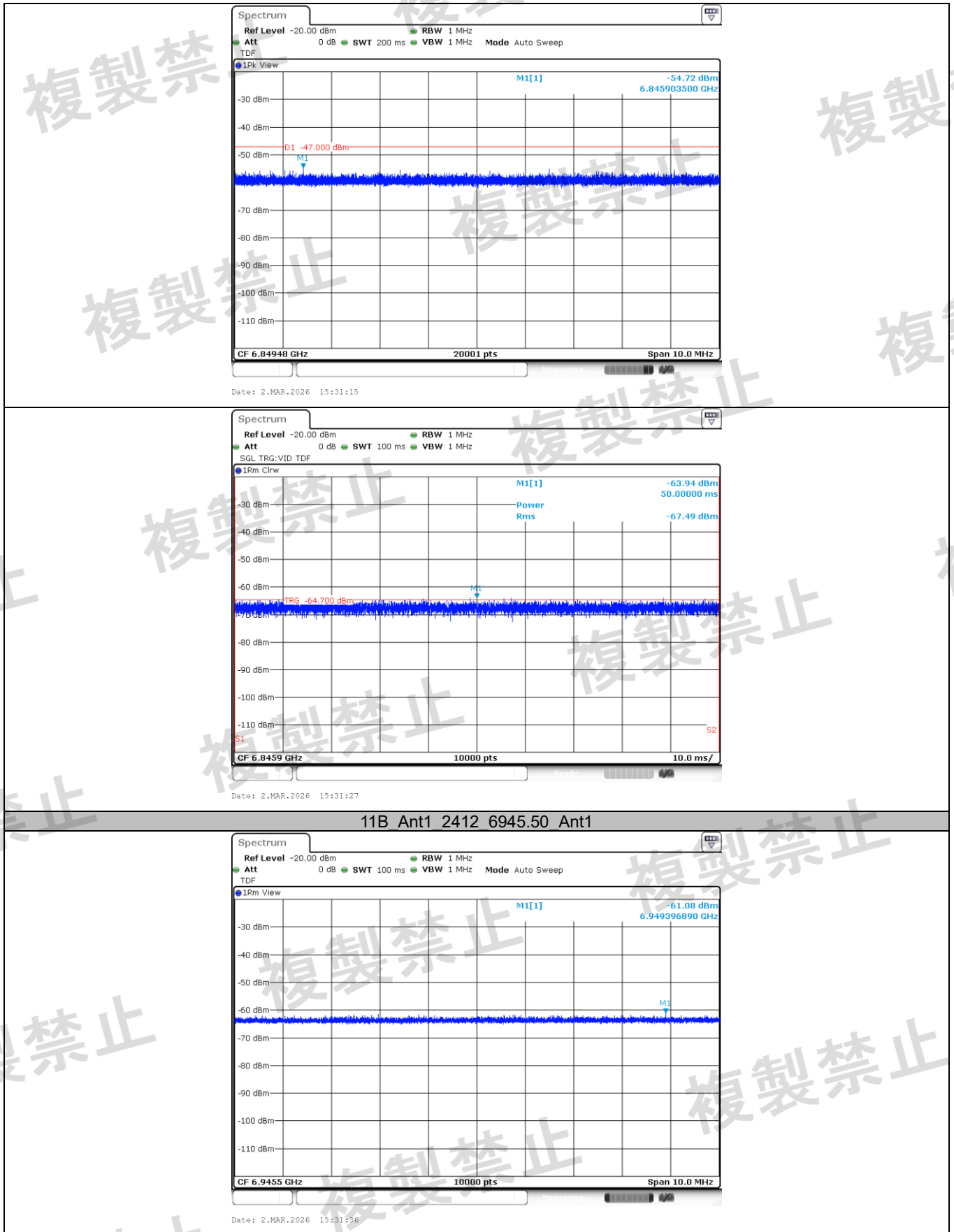
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11B Ant0 2412 6996.68 Ant0



11B Ant1 2412 6849.48 Ant1



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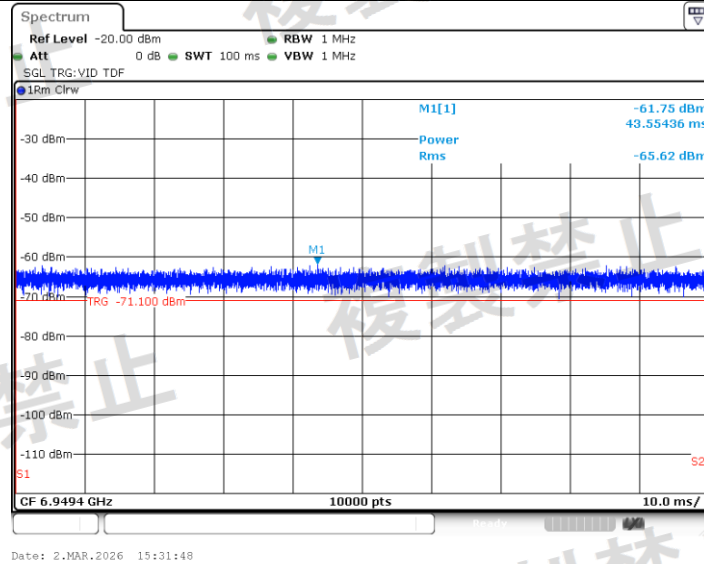
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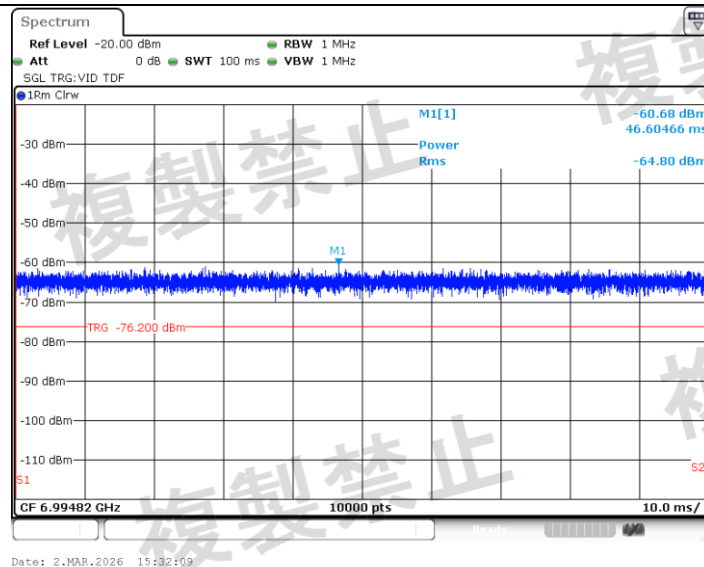
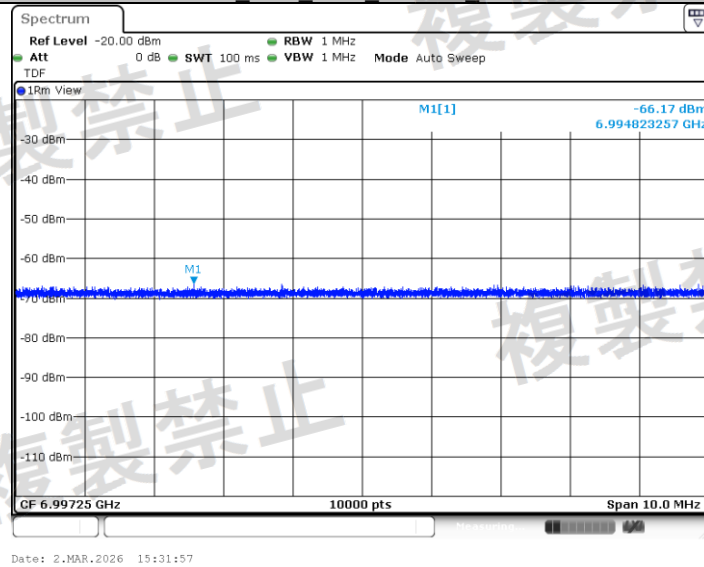
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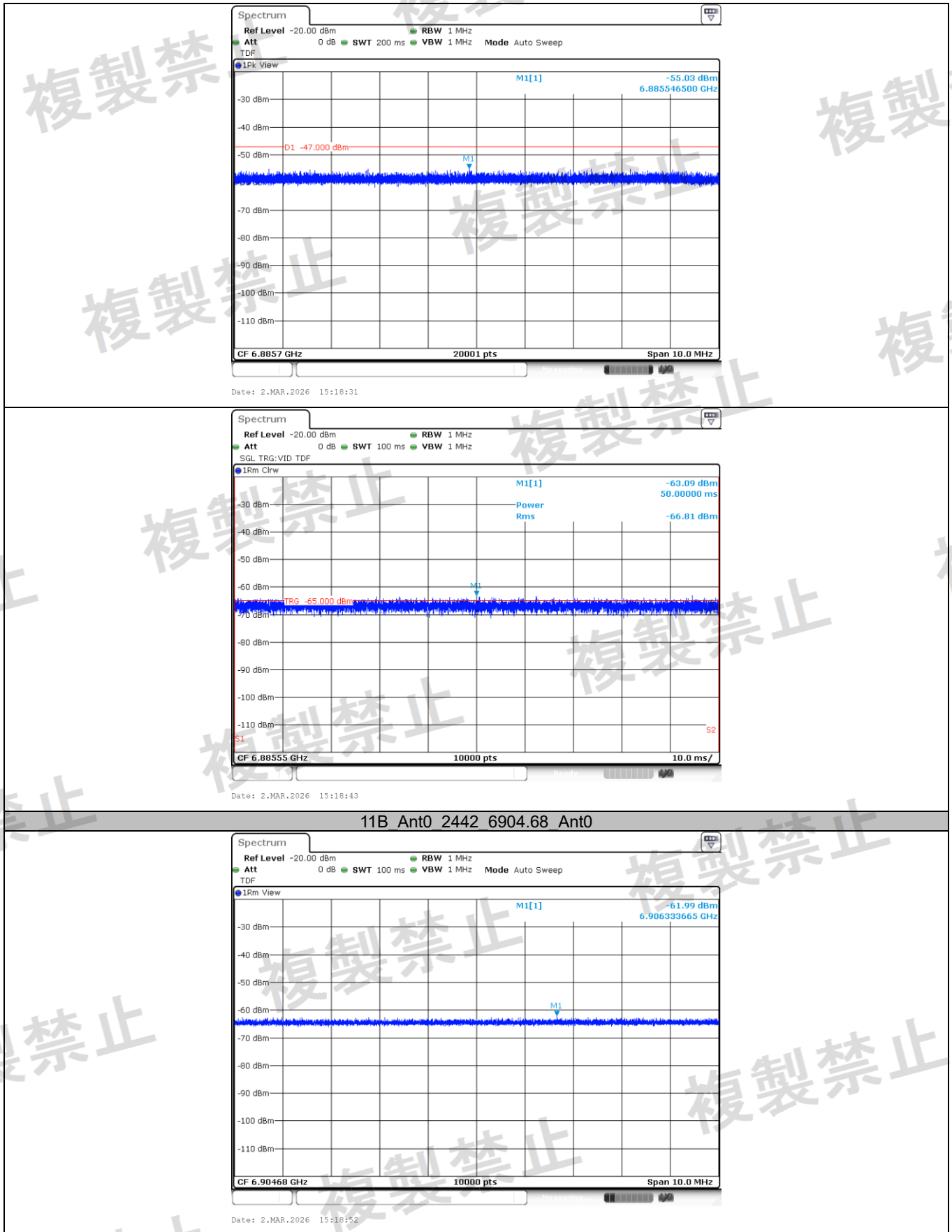
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11B Ant1 2412 6997.25 Ant1



11B Ant0 2442 6885.70 Ant0



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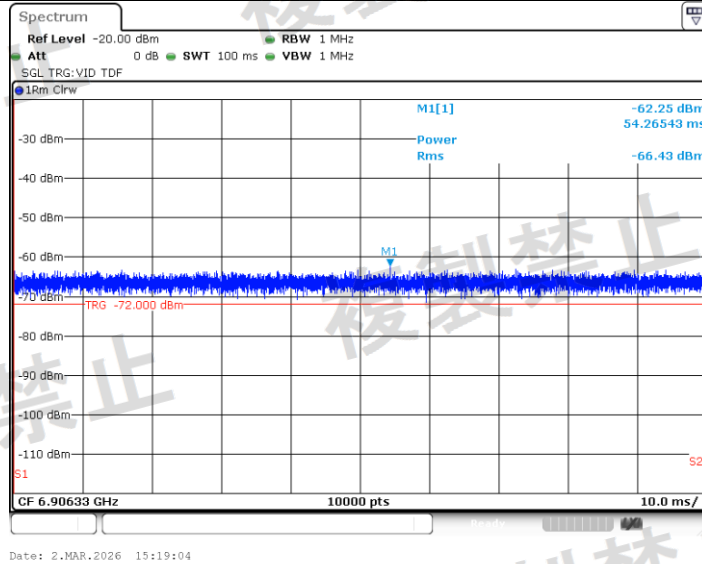
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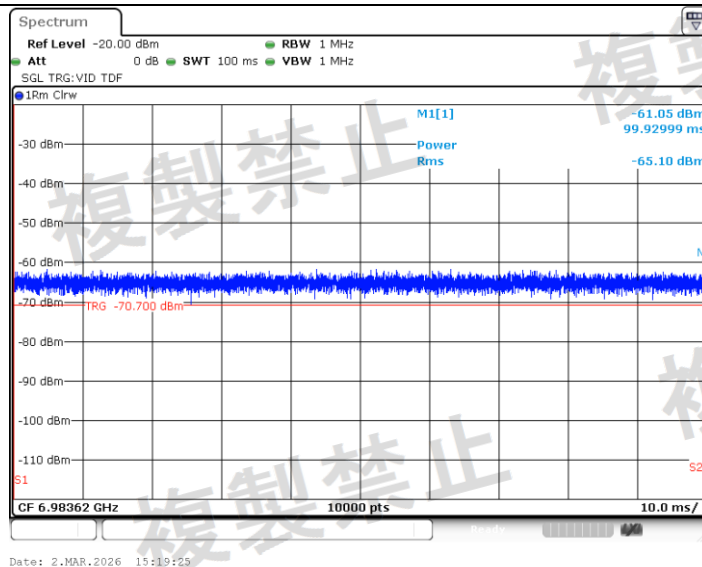
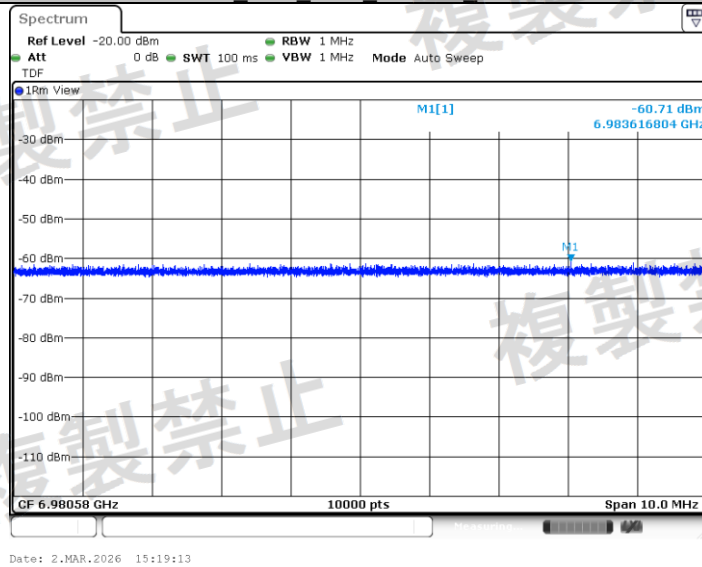
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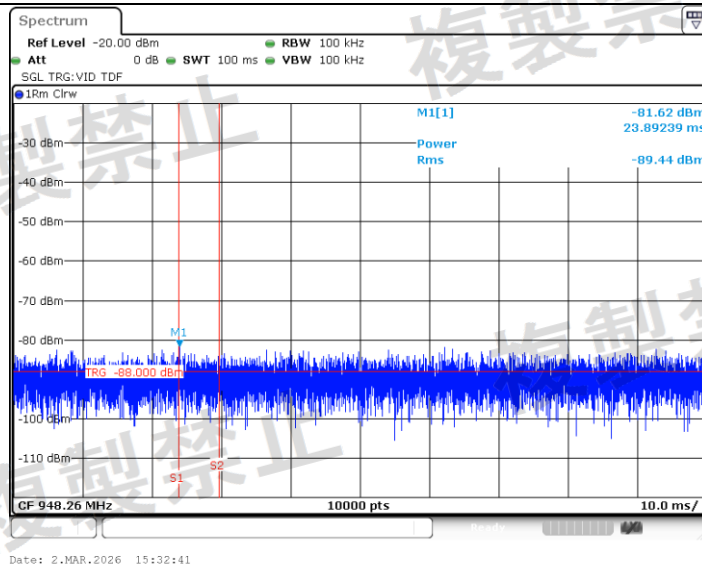
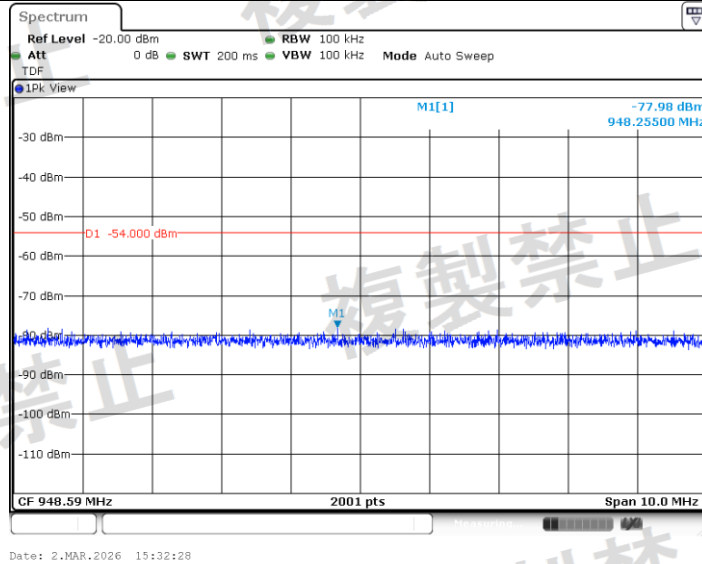
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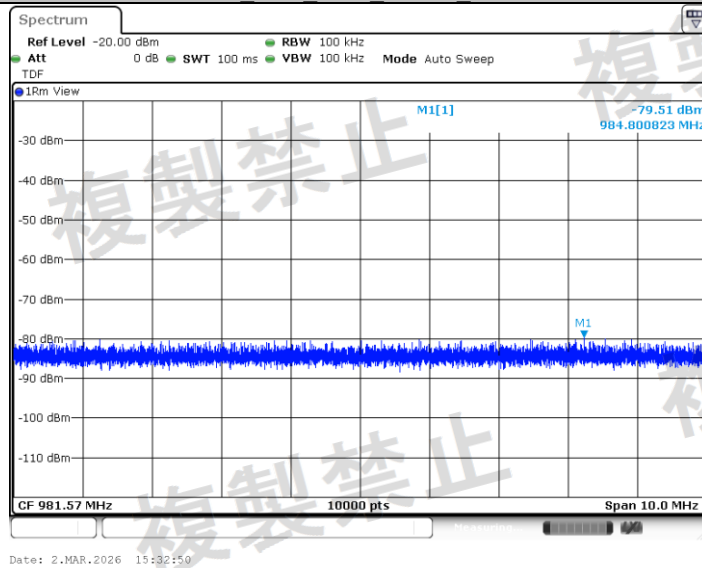
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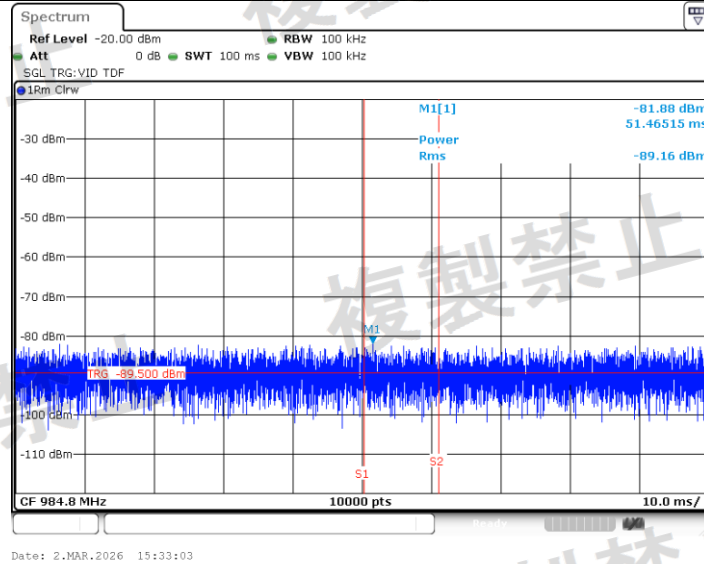
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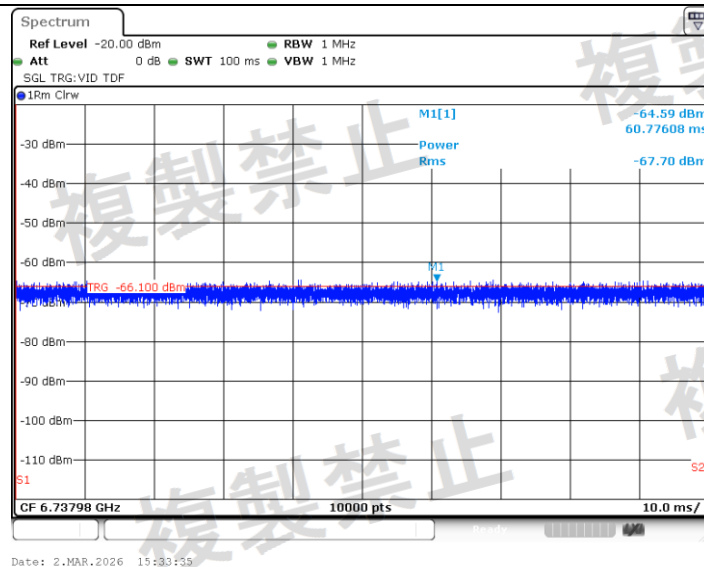
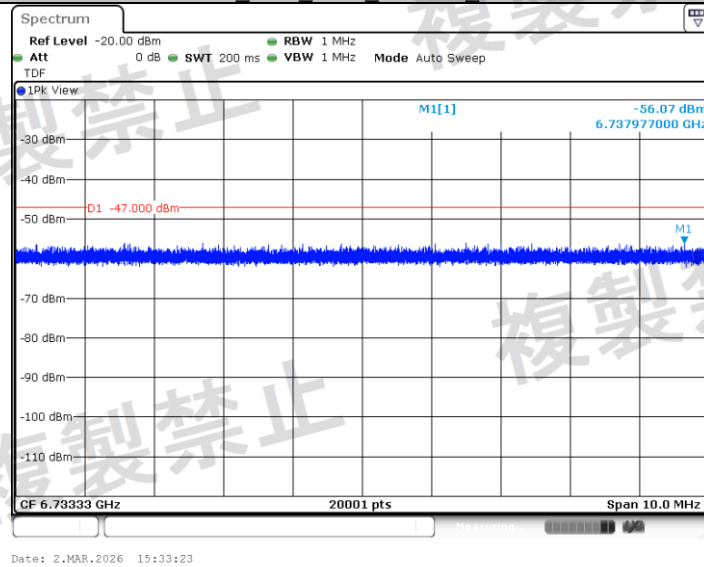
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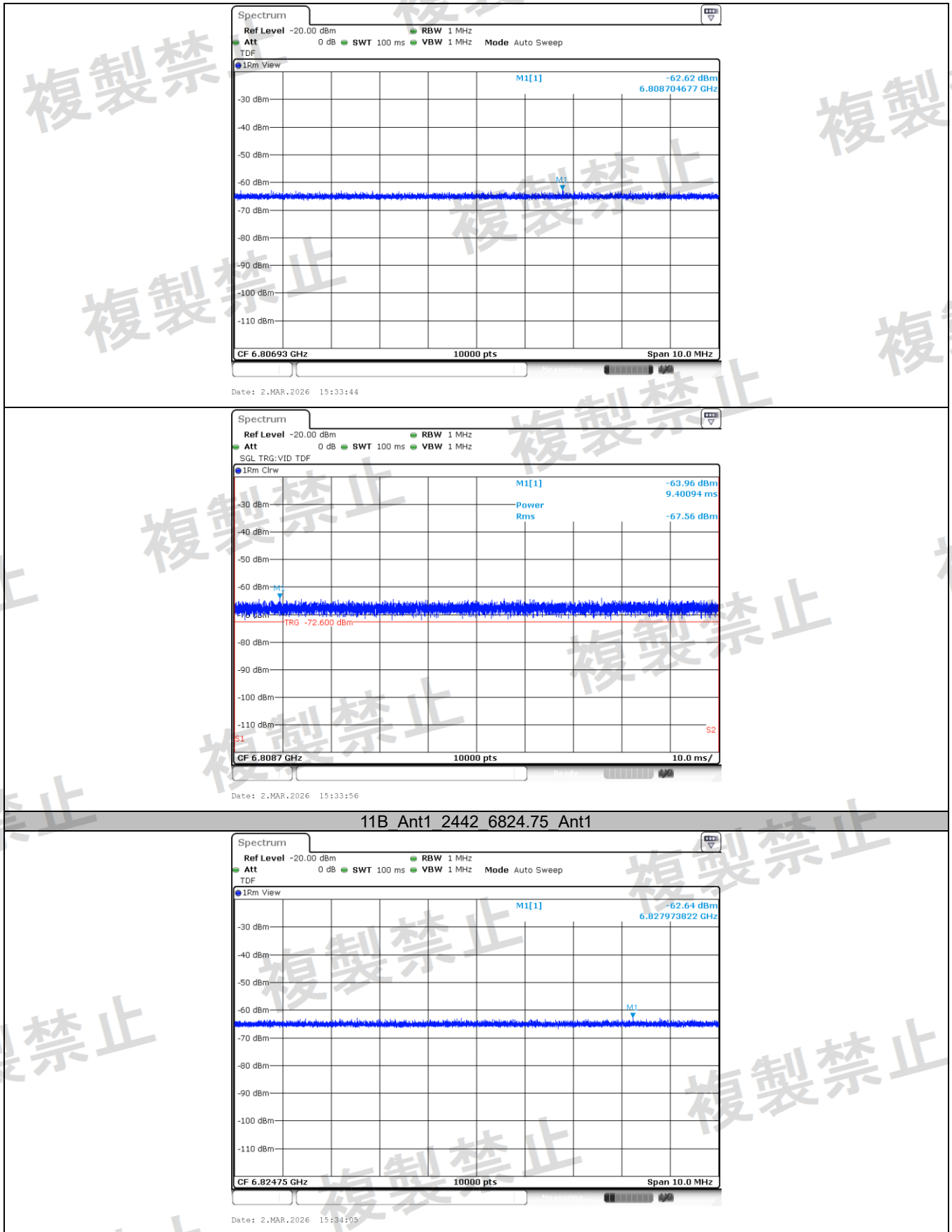
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11B Ant1 2442 6806.93 Ant1



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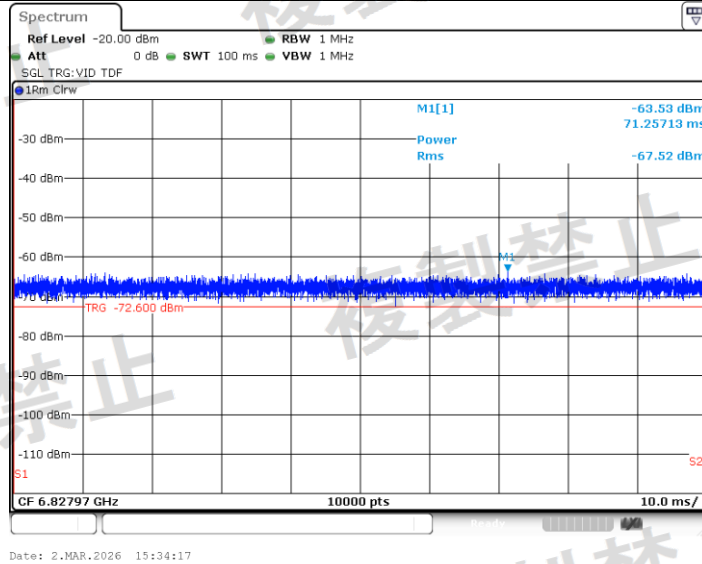
Tel.: (86)755-27521059

Fax: (86)755-27521011

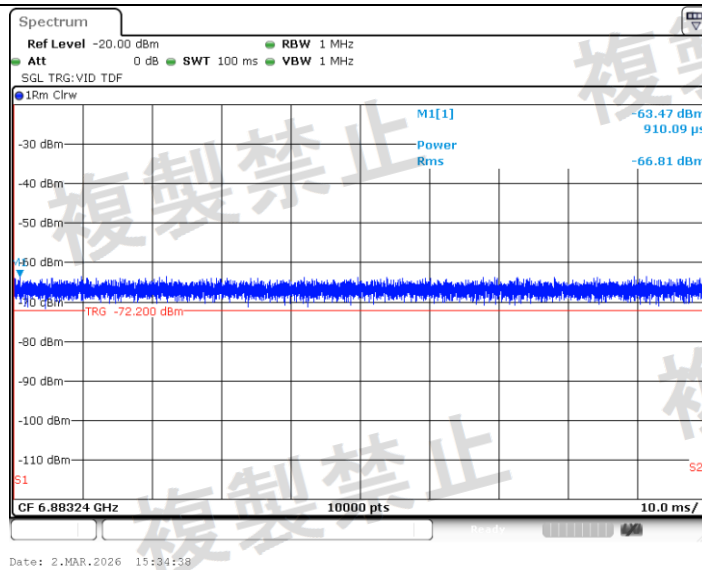
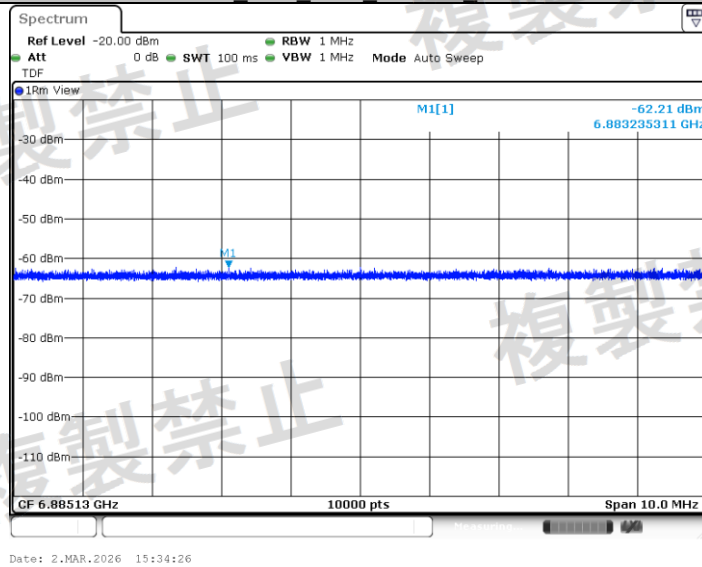
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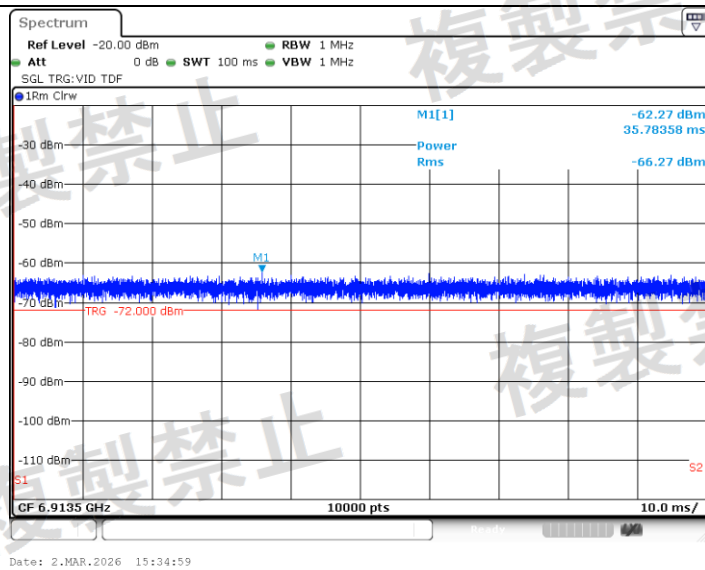
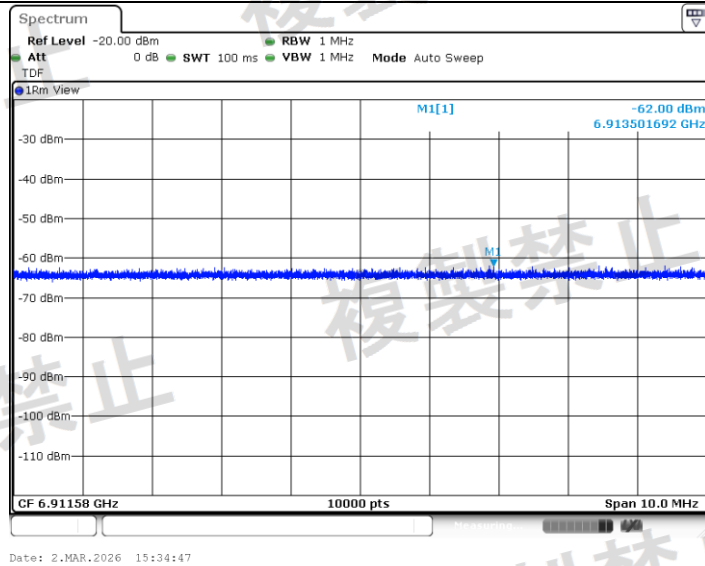
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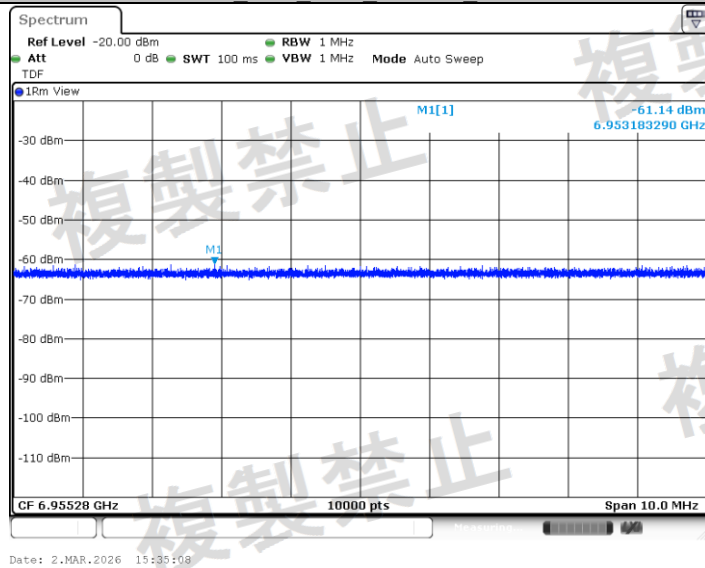
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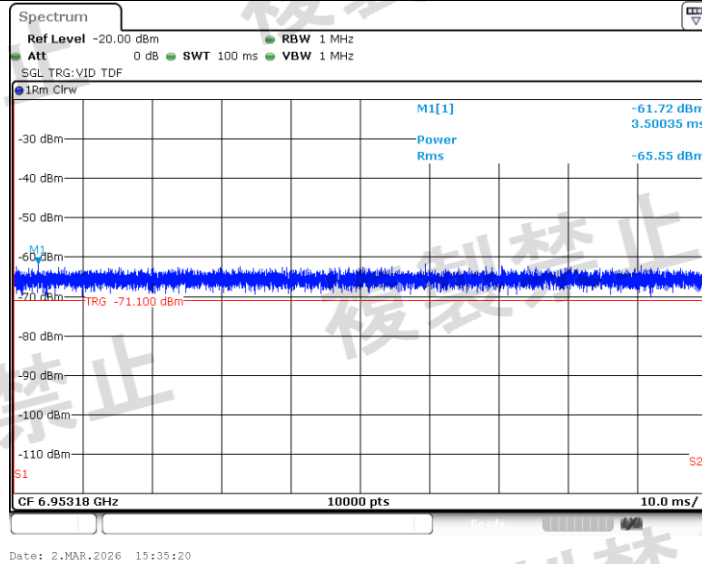


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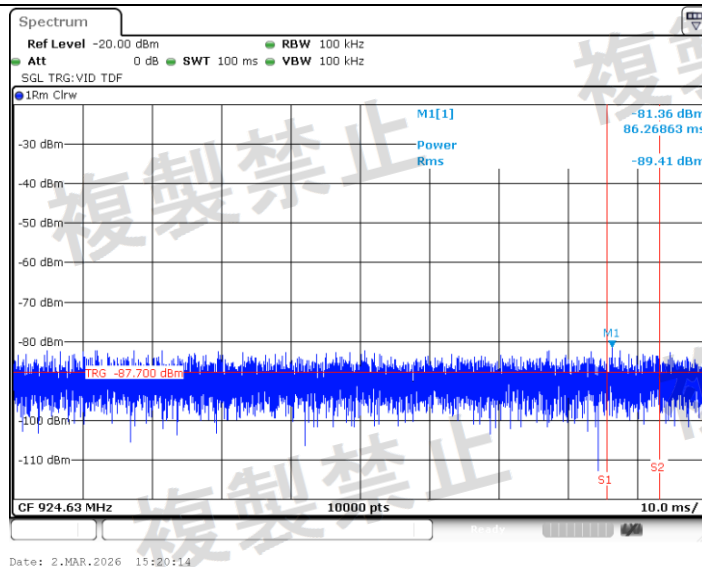
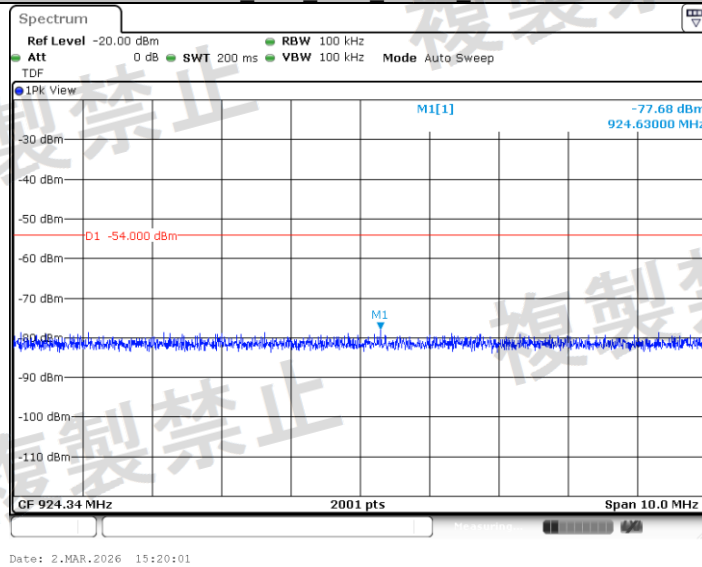


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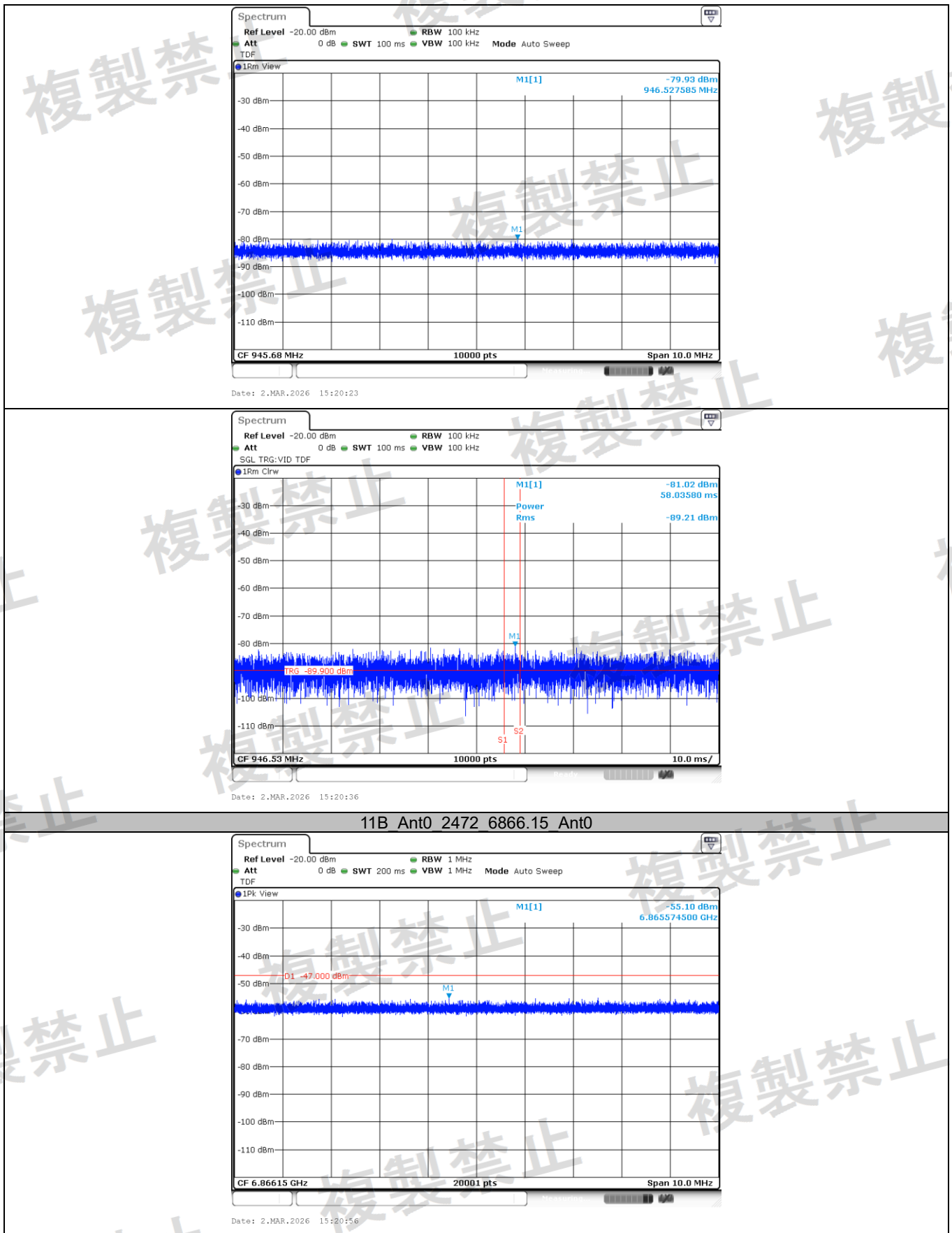




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11B_Ant0_2472_945.68_Ant0



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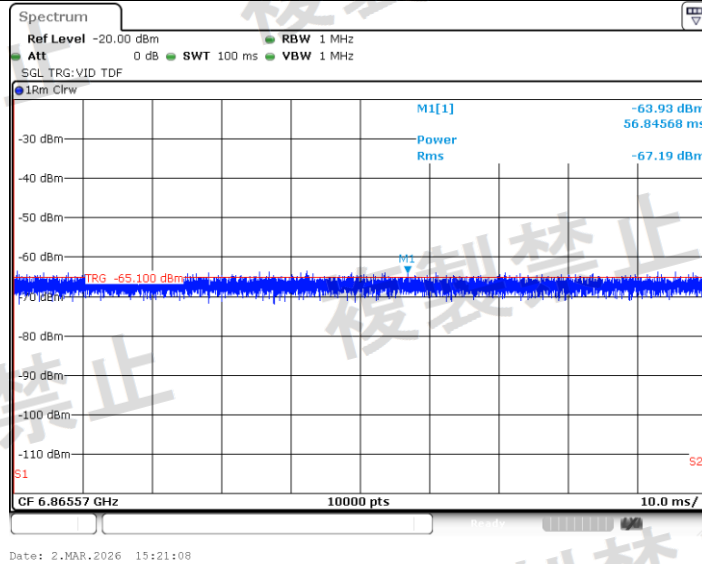
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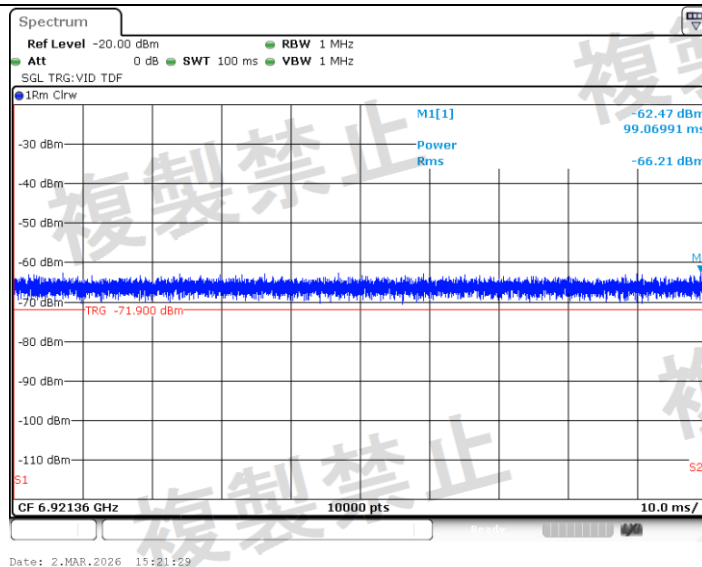
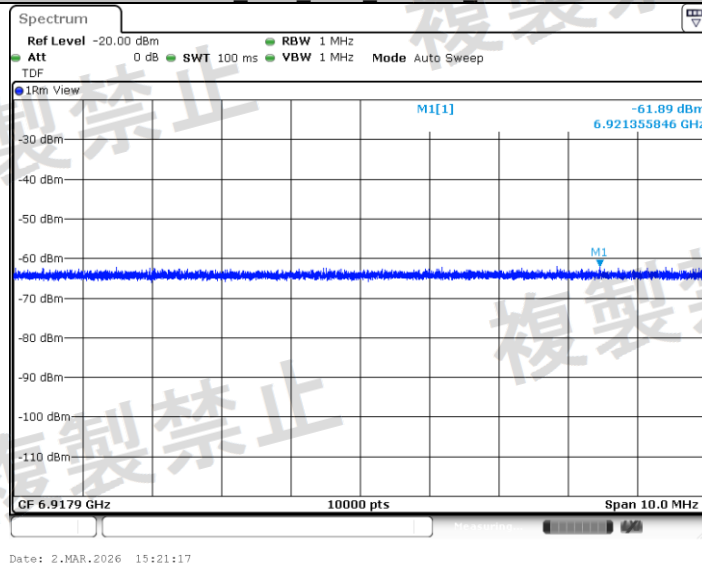
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TRF No: CTC-TR-070_A3

Master TRF : Dated 2026-01-01



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11B Ant0 2472 6942.05 Ant0