RF TEST REPORT

Test Report No……..:	RF260714010-03-002
Product(s) Name……..:	Car Dash Cam
Model(s)……..:	E1 PRO S
Trade Mark……..:	VANTRUE
Applicant……..:	Shenzhen Sanjiang Lechuang Technology Co., Ltd.
Address……..…..:	25th Floor, Jinluan International Business Building, No. 98 Heping East Road, Sanlian Community, Longhua Street, Longhua District, Shenzhen, China.
Receipt Date……..:	2026.08.01
Test Date……..:	2026.08.02 ~ 2026.08.20
Issued Date……..:	2026.08.25
Standards……..:	MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19 Rules Section
Testing Laboratory……:	Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
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Jason Huang	Black Ding	Tim.zhang	

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History of this test report

Original Report Issue Date: 2026.08.25

● No additional attachment

○ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

Test sample no.	POC260714010-S001
Product name	Car Dash Cam
Model name	E1 Pro S
Trade Mark	VANTRUE
Power supply	DC 5V from car charger
Car charger information	Input: DC 12-24V USB-A: DC 5V⎓3A, 9V⎓2A, 12V⎓1.5A WIRE Output: DC 5V⎓2.8A Manufacturer: Vantrue
Radio Type	WLAN
Type of Modulation	DSSS, OFDM, OFDMA
Support Technical	802.11b, g, n20, n40, ax20, ax40
Frequency Range	2412-2472MHz
Rated Power	1.5mW/MHz
Antenna Type	FPC Antenna
Antenna Gain	1.73dBi
Applicant	SHENZHEN SANJIANG LECHUANG TECHNOLOGY CO., LTD
Address	25th Floor, Jinluan International Business Building, No. 98 Heping East Road, Sanlian Community, Longhua Street, Longhua District, Shenzhen, China
Manufacturer	SHENZHEN SANJIANG LECHUANG TECHNOLOGY CO., LTD
Address	25th Floor, Jinluan International Business Building, No. 98 Heping East Road, Sanlian Community, Longhua Street, Longhua District, Shenzhen, China
Sample/EUT Status	Good condition

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1.2 System Test Configuration

1.2.1 Channel List

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	/	/

EUT was tested with Channel 1, 7 and 13 for 802.11b/g/n20/ax20, Channel 3, 7 and 11 for 802.11n40/ax40.

1.2.2 Transmit Operating Mode

Transmit Operating Mode								Transmit Multiple Antennas					
●	Operating mode 1 (single antenna)							●	1TX				
○	Operating mode 2 (multiple antenna, no beam forming)							○	2TX	○	3TX	○	4TX
○	Operating mode 3 (multiple antenna, with beam forming)							○	2TX	○	3TX	○	4TX
●	802.11b	Operating mode	●	1TX	○	2TX		○	3TX	○	4TX		
●	802.11g	Operating mode	●	1TX	○	2TX		○	3TX	○	4TX		
●	802.11n(20MHz)	Operating mode	●	1TX	○	2TX		○	3TX	○	4TX		
●	802.11n(40MHz)	Operating mode	●	1TX	○	2TX		○	3TX	○	4TX		
●	802.11ax(20MHz)	Operating mode	●	1TX	○	2TX		○	3TX	○	4TX		
●	802.11ax(40MHz)	Operating mode	●	1TX	○	2TX		○	3TX	○	4TX		

Note: 802.11ax mode only support SU(full Ru) mode.

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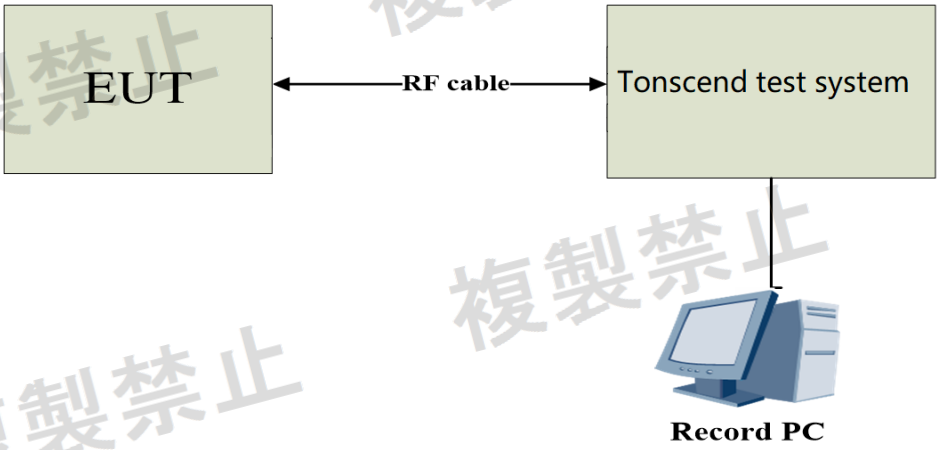
1.2.3 Support Equipment

No.	Equipment	Model	Manufacturer	Rating	Series No
1	PC	M4500T	Thinkpad	/	M032004854IT

1.2.4 Block Diagram of Configuration



1.2.5 Test Voltage

The EUT has its own voltage regulator principle to chip NT96533, the output voltage of the chip is 3.3V and the fluctuation of power supply to the RF circuit of EUT is equal to or less than +/- 1%. So exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

When an extreme voltage is supplied to the Car Dash Cam, the power deviation of the Car Dash Cam's output is less than 1%. Therefore, testing is only conducted under normal conditions.

Condition	Input (V/DC) from car charger	The input voltage of the chip (V/DC)
NV	12	3.3
NV	24	3.3
LV	10.8	3.3
HV	26.4	3.3

Note: Changing the external input does not affect the power supply voltage of the chip.

1.2.6 Environmental Conditions

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

- Temperature: 15~35℃
- Humidity: 45~75%
- Atmospheric pressure: 86-106 kPa

1.2.7 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

1.2.8 Special Accessories

Not available for this EUT intended for grant.

1.3 Summary of Test Results

MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19 Rules Section	Description of Test	Test result
3	Frequency Error	Compliant
4	Occupied Bandwidth and Spreading Bandwidth	Compliant
5	Spurious emission intensity	Compliant
6	Antenna Output Power and Output Power Tolerance	Compliant
7	Limit Of Secondary Spurious Emissions	Compliant
8	Transmission Antenna Gain	Not Applicable
9	Transmission Radiation Angle Width	Not Applicable
10	Carrier Sensing Function(1)	Not Applicable*
	Carrier Sensing Function(2)	Compliant
11	Frequency Hopping Dwell Time	Not Applicable**
12	Interference Prevention Function	Compliant
Note	Construction Protection Confirmation	Compliant

Not Applicable
- For 802.11b/g/n20/ax20 mode, this test item was not required for the output power less than 12.14 dBm/MHz (E.I.R.P); For 802.11n40/ax40 mode, this test item was not required for the output power less than 9.13 dBm/MHz (E.I.R.P)

Not Applicable*
- Carrier Sensing Function (1): Application to transmitting devices which EIRP is less than [2.14dBi antenna power limit] and the shortage of EIRP is compensated by the antenna power. Not applicable to this product.
- Carrier Sensing Function (2): Application to transmitting devices with OFDM modulation and the occupied bandwidth greater than 26MHz.

Not Applicable**
- Testing is only required for FHSS system devices.

1.4 List of Test and Measurement Instruments

Equipment	Manufacturer	Model No	Serial No.	Last Cal.	Cal Due Date	Calibration body	Classification
SPECTRUM ANALYZER	R/S	FSV40-N	101425	2026/1/19	2027/1/18	Guangzhou Lisai Metrology & Test co. ,Ltd.	(c)
VXG Signal Generator	Keysight	N5182B	MY59100855	2026/4/14	2027/4/13		
MXA Signal Analyzer	Keysight	N9010A	MY51440158	2025/9/15	2026/9/14	CCIC (Shenzhen) Metrology & Testing Service Co.,Ltd	
RF Control Unit	dsusoft	JS0806-2	21G8060449	2026/2/27	2027/2/26		
EXG Analog Signal Generator	Keysight	N5173B	MY59101282	2026/2/27	2027/2/26		
power supply unit	dsusoft	JS0806-4ADC	N/A	2026/2/27	2027/2/26		
Temp&Humidity Recorder	Meideshi	/	/	2026/4/08	2027/4/07		
Temp&Humidity Recorder	Meideshi	/	/	2026/4/08	2027/4/07		
10dB Attenuator	Tonscend	10dB	NA	Each Time			
Test software	dsusoft	JS1120-3 Ver.3.2.22.0					

Remark:

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992) .

(c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c).
From JRL Article 24-2, paragraph 4, Item 2

1.5 Measurement Uncertainty

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	±102kHz
Frequency Error	±6.5 x 10^{-8}
RF power conducted	±0.243dB
Power Spectral Density	±0.743dB
Conducted Spurious Emission	±1.328dB
Time	±0.19%

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

2. Frequency Error Measurement

Limit

Standard	Item	Limit
Article 2-1 Item 19	Tolerance of Frequency	±50ppm or less

2.2 Test Procedures

- Connect EUT antenna terminal to the Spectrum Analyzer.
- Set Spectrum Analyzer as below:

Frequency : Test Frequency
SPAN : 300kHz
RBW : 10kHz
VBW : 10kHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

2.3 Test Data

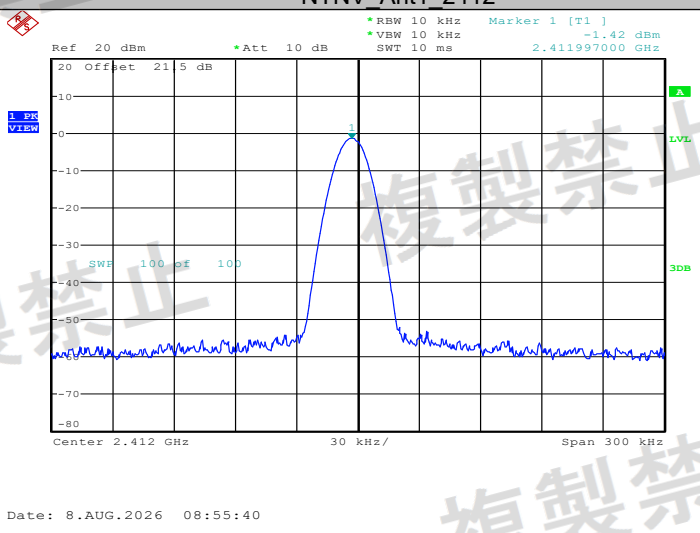
Temperature	23.2℃	Humidity	51 %
ATM Pressure	101.2kPa	Time	2026.08.08
Test by	Elio Lin	Test result	PASS

Please refer to following tables.

Test Condition	Antenna	Freq(MHz)	Test frequency result(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	Ant1	2412	2411.9970	-1.24378	±50	PASS
	Ant1	2422	2421.9940	-2.47729	±50	PASS
	Ant1	2442	2441.9946	-2.21130	±50	PASS
	Ant1	2462	2461.9925	-3.04630	±50	PASS
	Ant1	2472	2471.9925	-3.03398	±50	PASS
Note: The EUT was programmed in un-modulation function.						

Please refer to recording the spectrum plots in the worst conditions

NTNV_Ant1_2412



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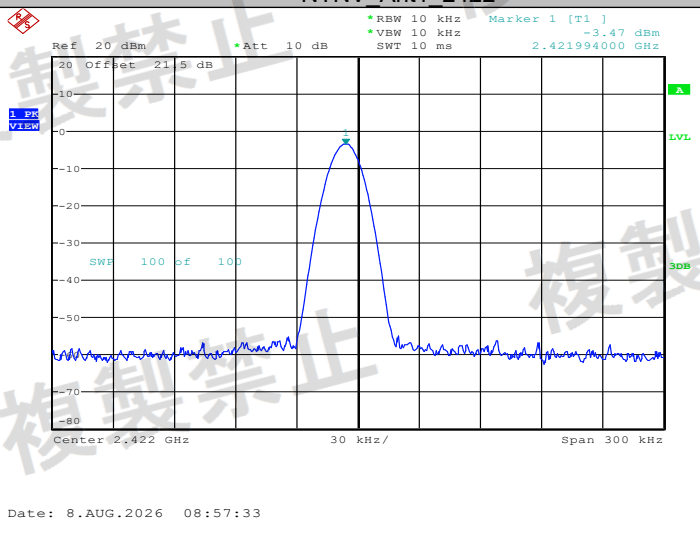

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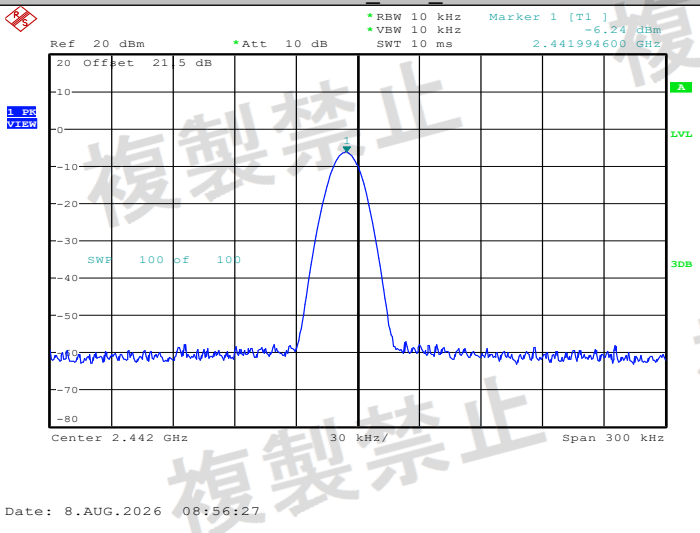

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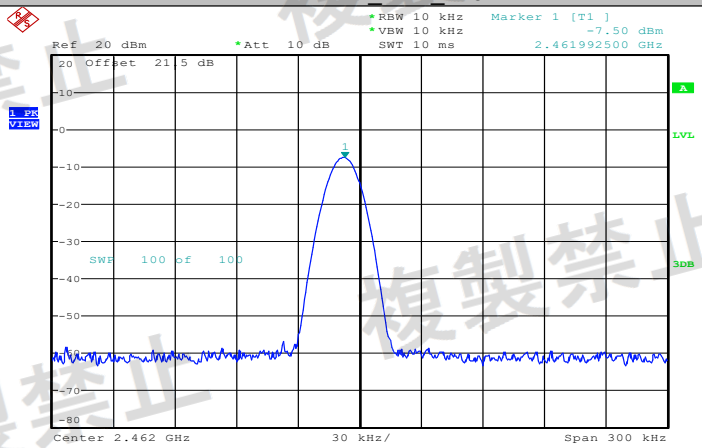

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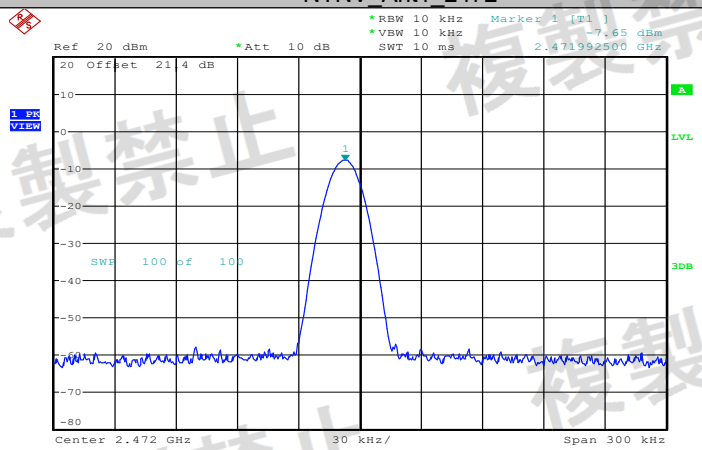

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3. Occupied Bandwidth (99%)

Limit

Standard	Type	Limit
Article 2-1 Item 19	FHSS	≤83.5MHz
	DSSS	≤26MHz
	OFDM	≤38MHz
	others	≤26MHz

3.2 Measurement Procedure

- **Connect EUT antenna terminal to the Spectrum Analyzer.**

- **Set Spectrum Analyzer as below:**

Frequency : Test Frequency
SPAN : 40MHz / 80MHz
RBW : 300kHz
VBW : 300kHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold
OBW : 99%

3.3 Test Data

Temperature	23.2℃	Humidity	51 %
ATM Pressure	101.2kPa	Time	2026.08.08
Test by	Elio Lin	Test result	PASS

Please refer to following tables.

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	12.120	≤26	PASS
NTNV	11B	Ant1	2442	13.160	≤26	PASS
NTNV	11B	Ant1	2472	13.120	≤26	PASS
NTNV	11G	Ant1	2412	16.480	≤26	PASS
NTNV	11G	Ant1	2442	16.480	≤26	PASS
NTNV	11G	Ant1	2472	16.440	≤26	PASS
NTNV	11N20SISO	Ant1	2412	17.680	≤26	PASS
NTNV	11N20SISO	Ant1	2442	17.680	≤26	PASS
NTNV	11N20SISO	Ant1	2472	17.680	≤26	PASS
NTNV	11N40SISO	Ant1	2422	36.320	26-40	PASS
NTNV	11N40SISO	Ant1	2442	36.320	26-40	PASS
NTNV	11N40SISO	Ant1	2462	36.240	26-40	PASS
NTNV	11AX20SISO	Ant1	2412	19.080	≤26	PASS
NTNV	11AX20SISO	Ant1	2442	19.080	≤26	PASS
NTNV	11AX20SISO	Ant1	2472	19.080	≤26	PASS
NTNV	11AX40SISO	Ant1	2422	37.840	26-40	PASS
NTNV	11AX40SISO	Ant1	2442	37.840	26-40	PASS
NTNV	11AX40SISO	Ant1	2462	37.840	26-40	PASS

Please refer to recording the spectrum plots in the worst conditions

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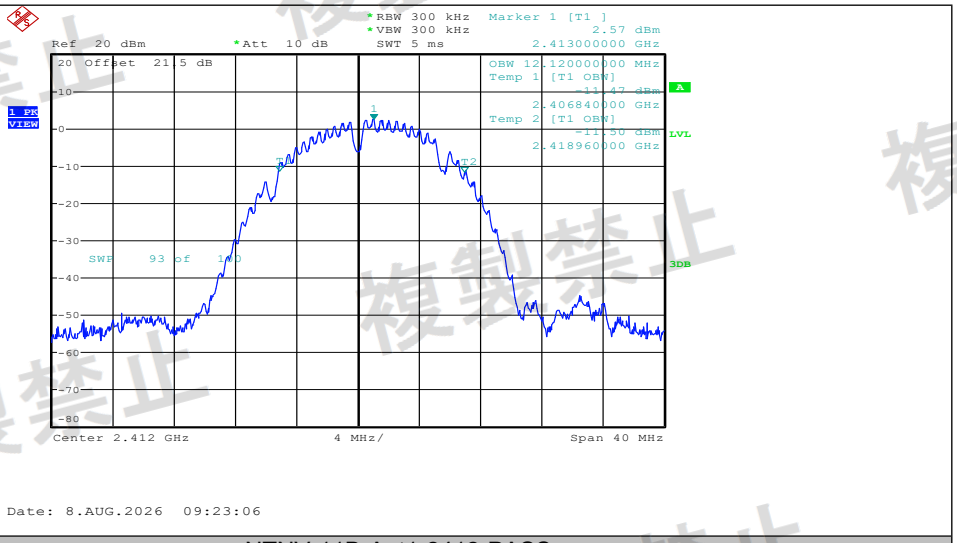
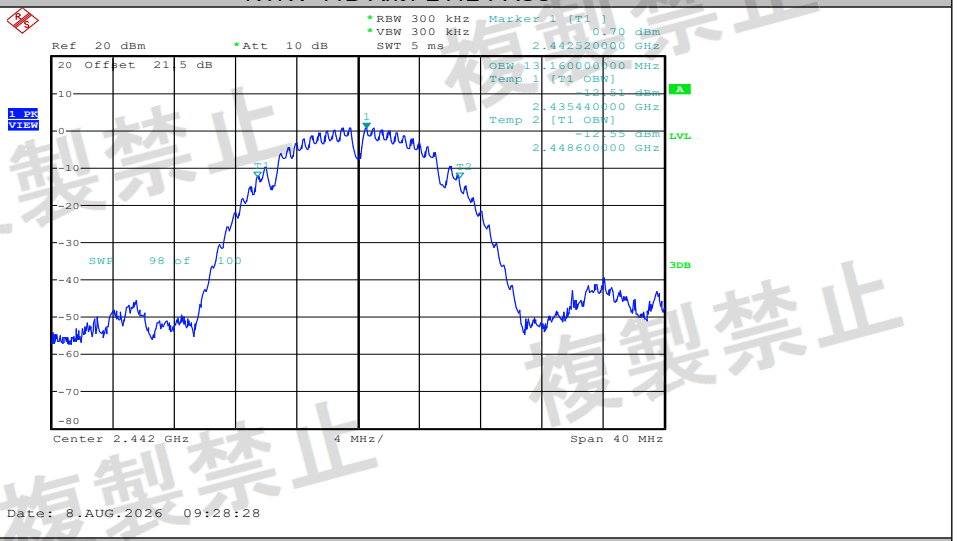


NTNV-11B-Ant1-2412-PASS



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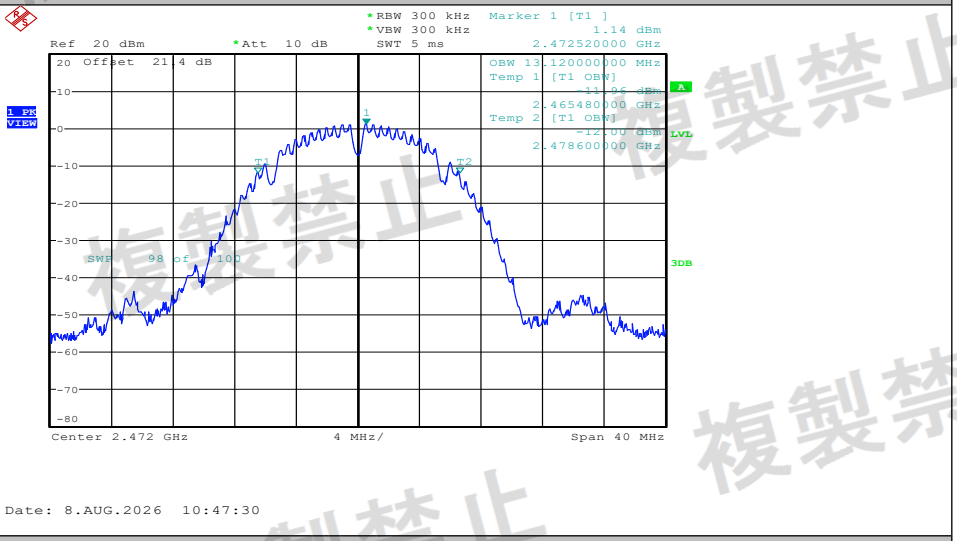

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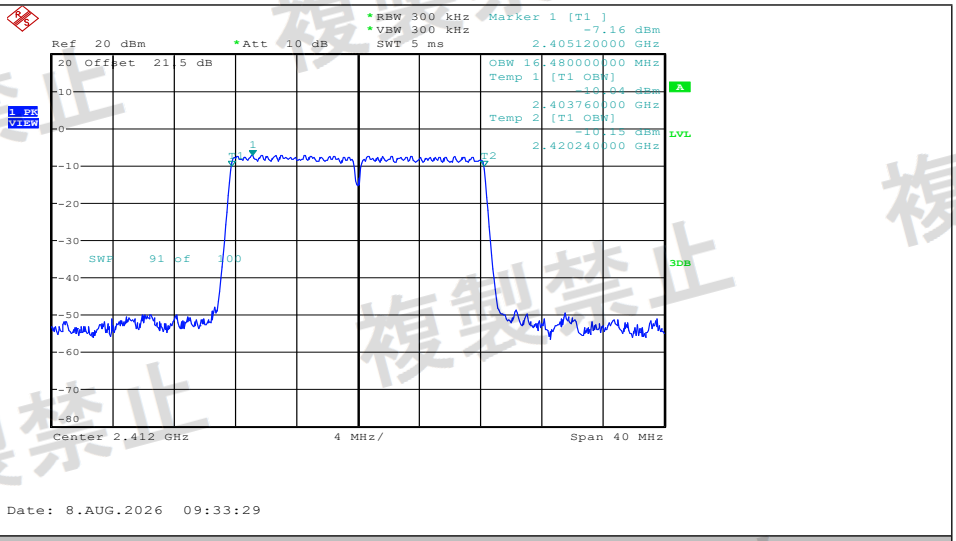

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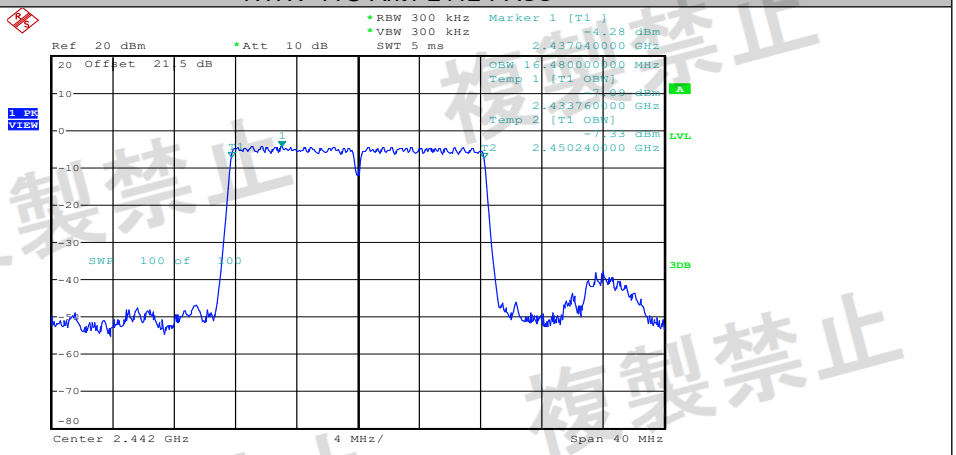

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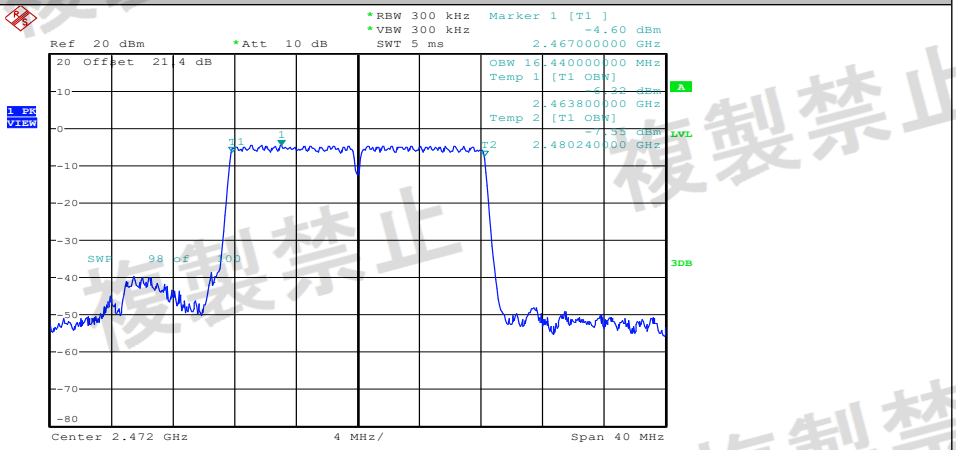

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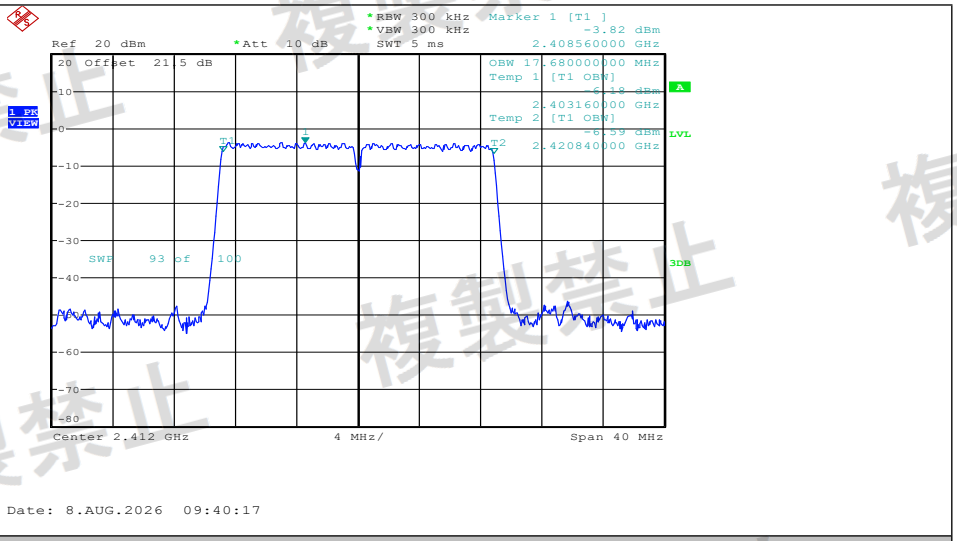

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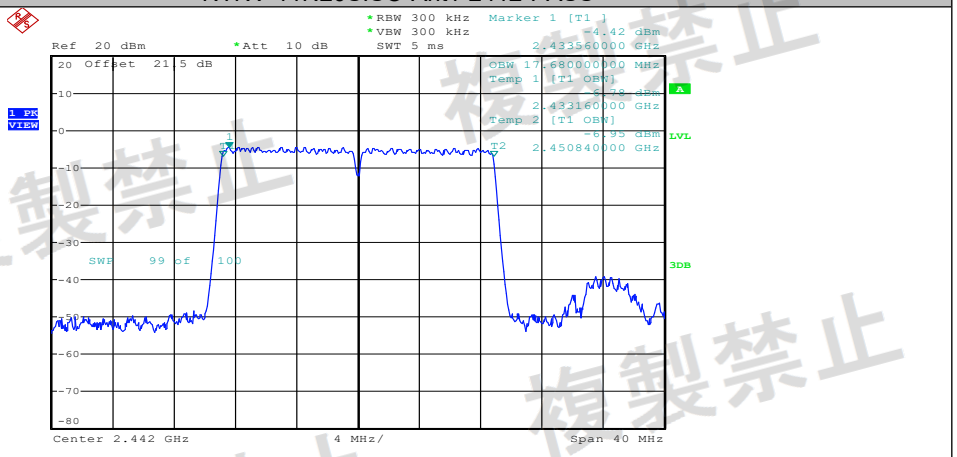

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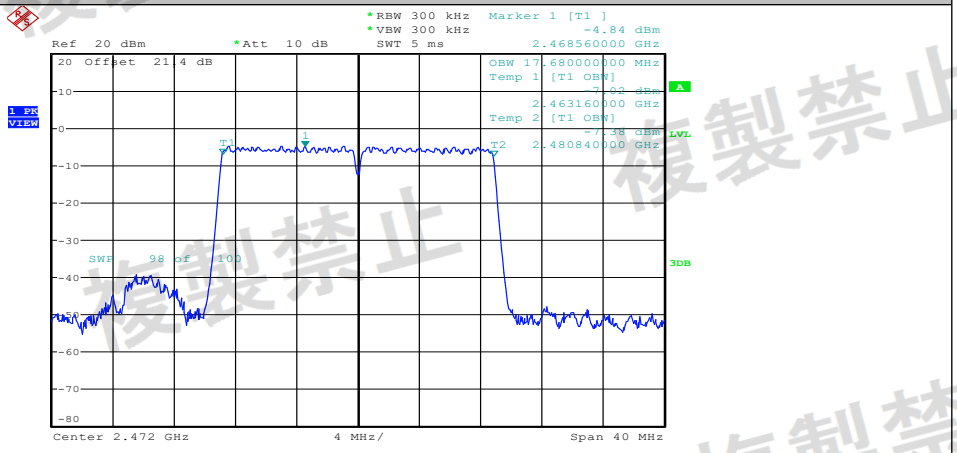

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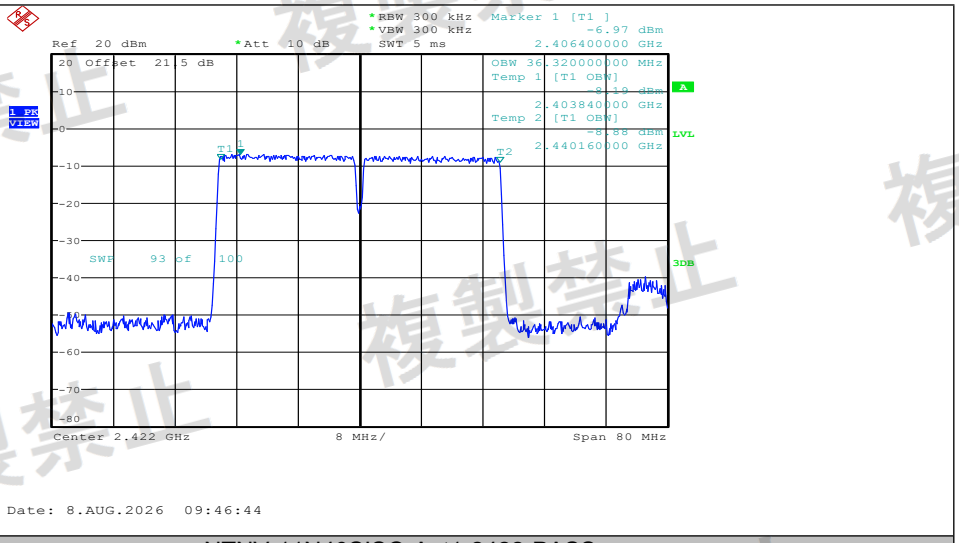

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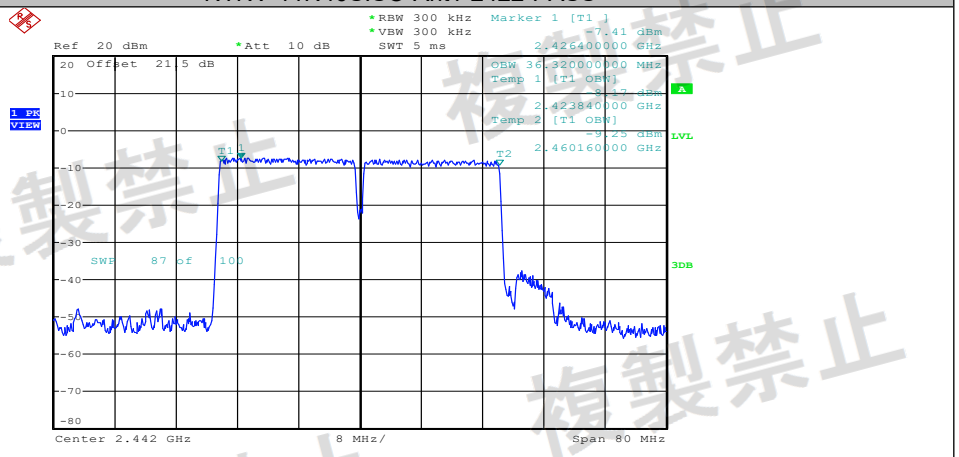

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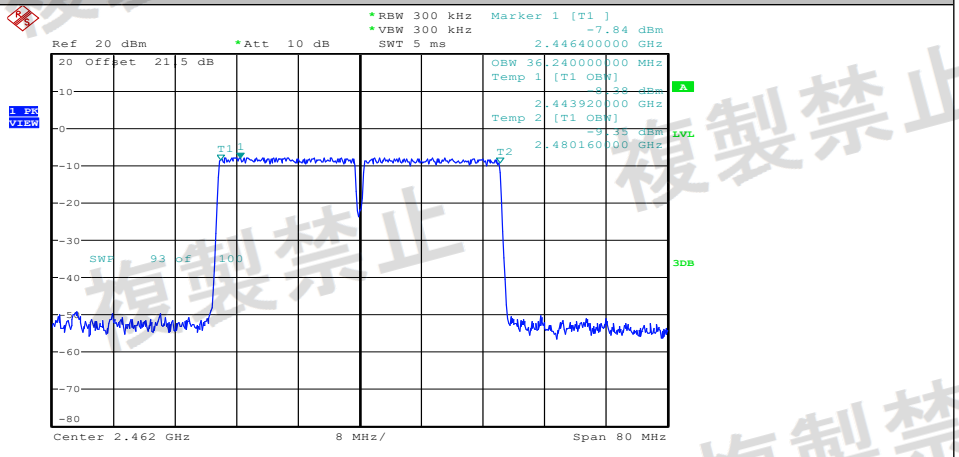

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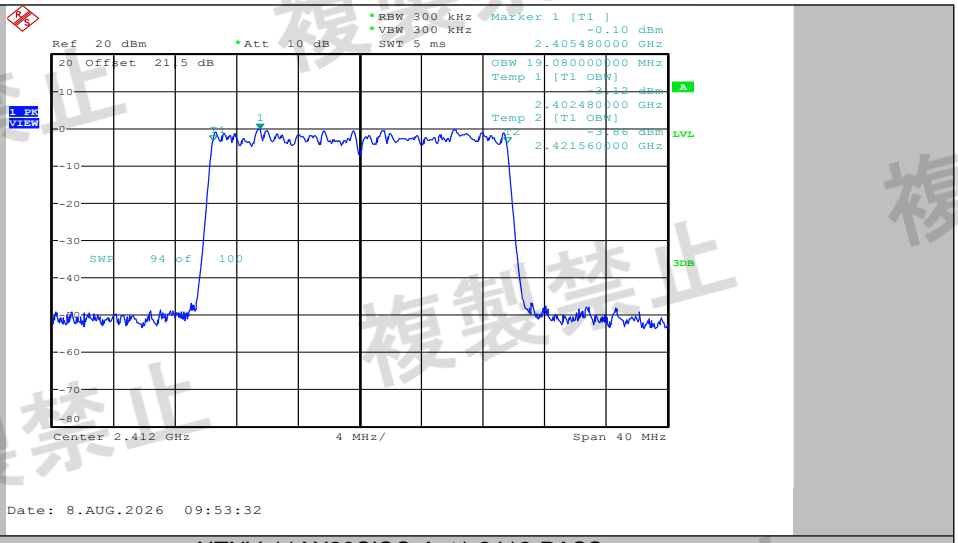

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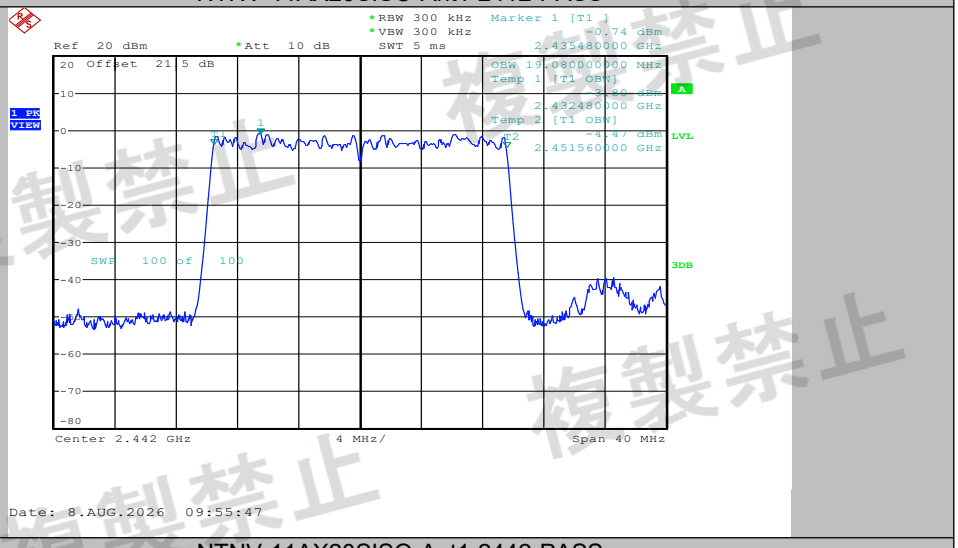

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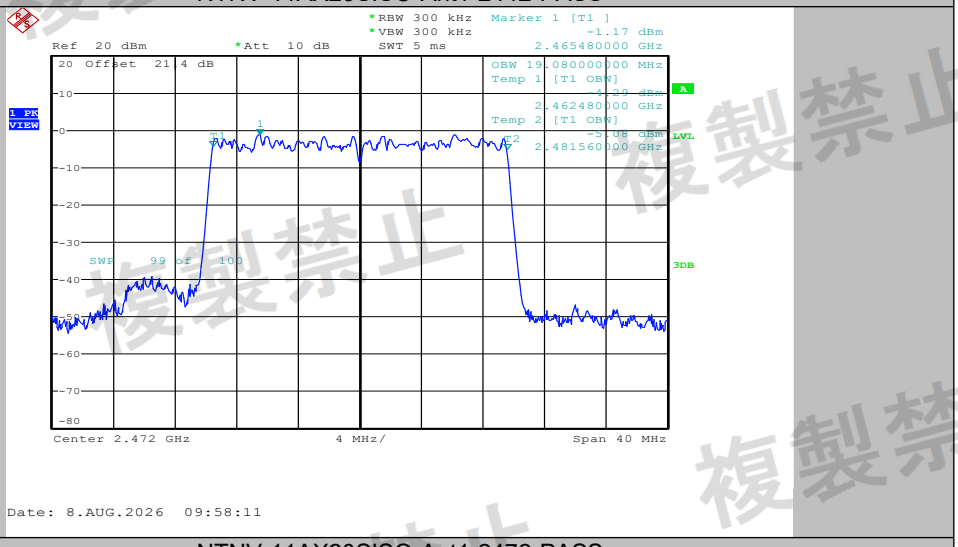

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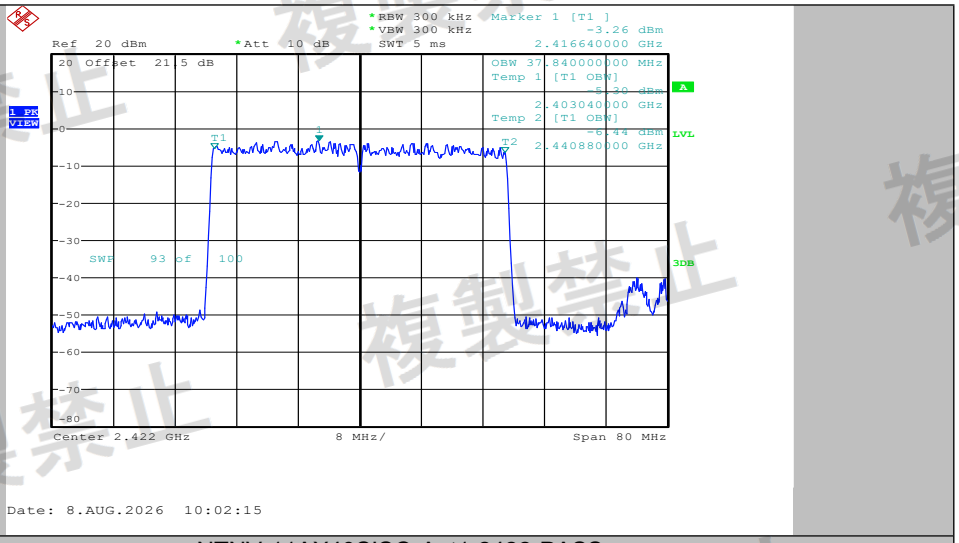

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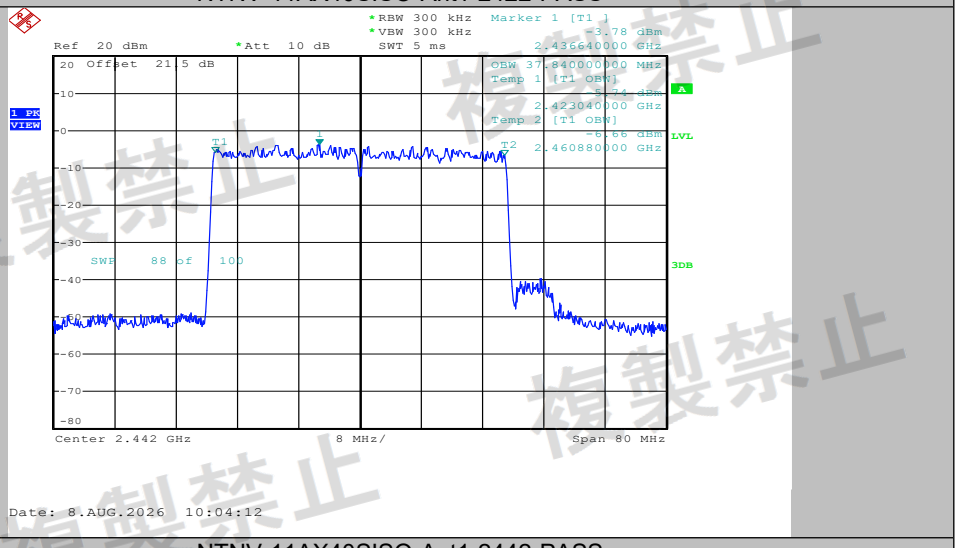

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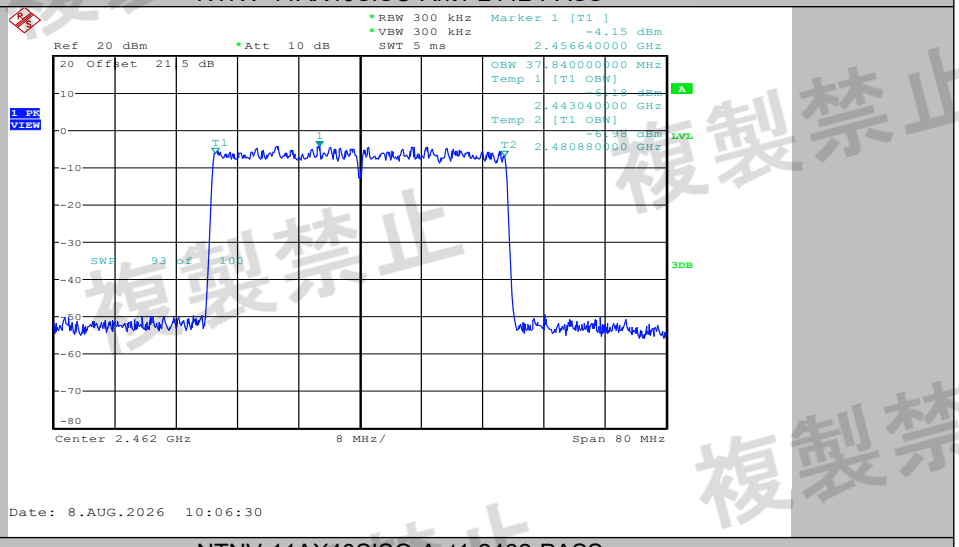

NTNV-11AX40SISO-Ant1-2462-PASS

Spread Bandwidth：

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]
NTNV	11B	Ant1	2412	8.280
			2442	8.840
			2472	7.920
	11G	Ant1	2412	14.960
			2442	14.920
			2472	14.920
	11N20SISO	Ant1	2412	16.040
			2442	16.080
			2472	16.040
	11N40SISO	Ant1	2422	32.960
			2442	32.960
			2462	33.040
	11AX20SISO	Ant1	2412	17.400
			2442	17.400
			2472	17.400
	11AX40SISO	Ant1	2422	34.240
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			2462	34.240

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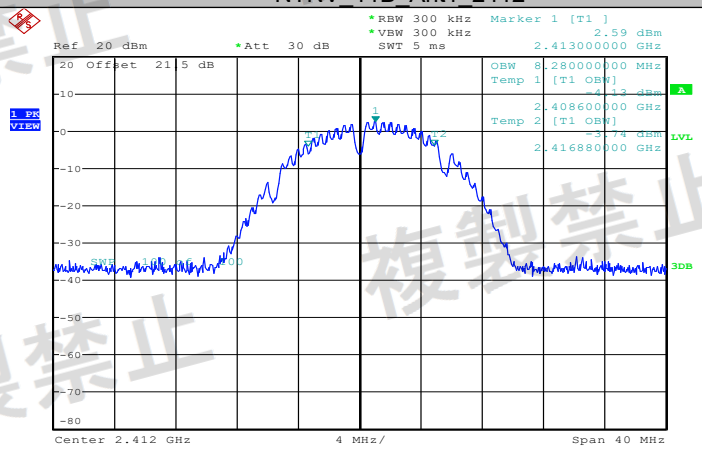

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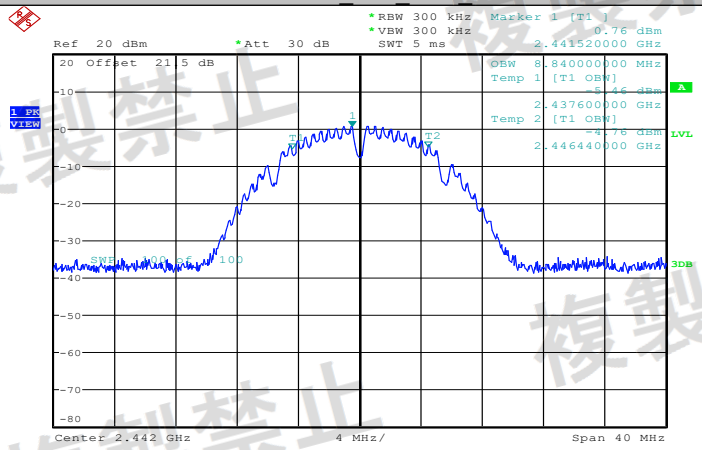

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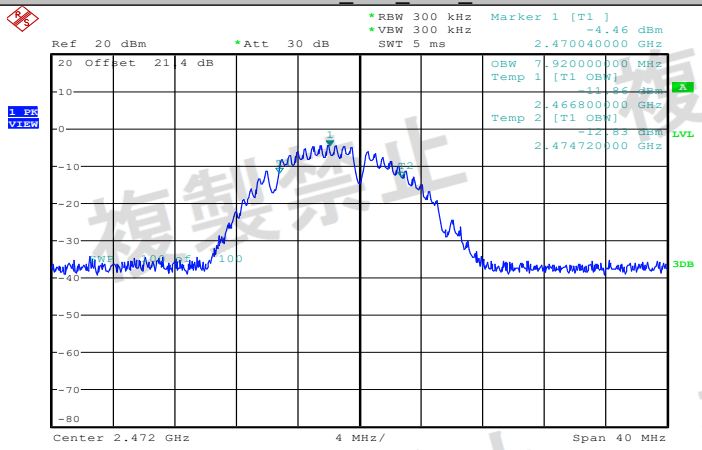

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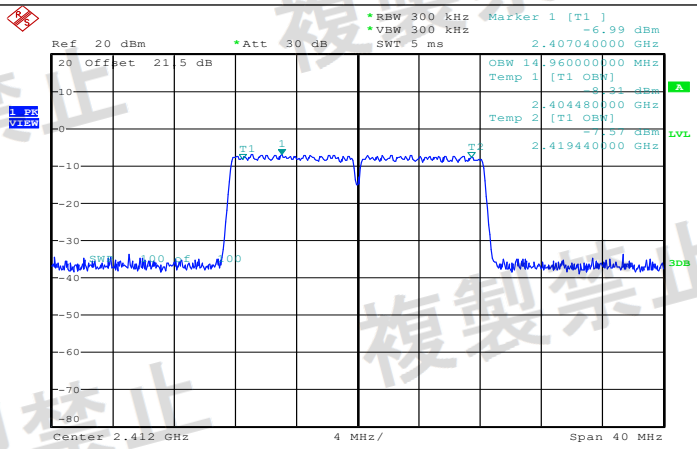

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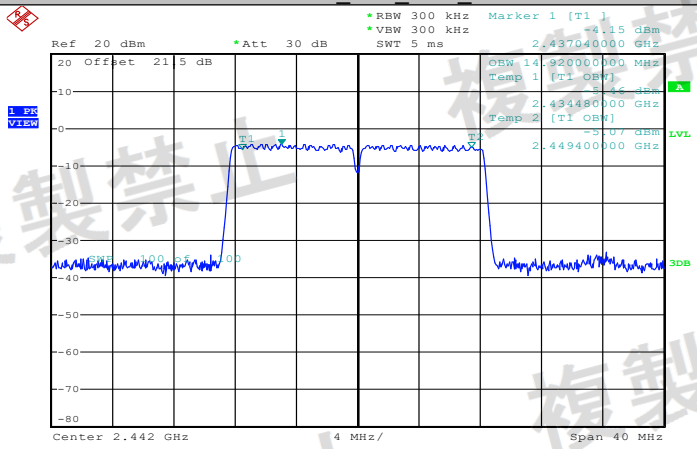

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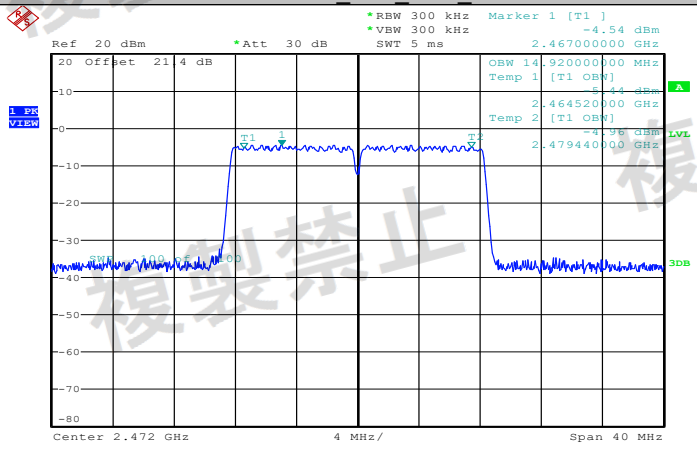

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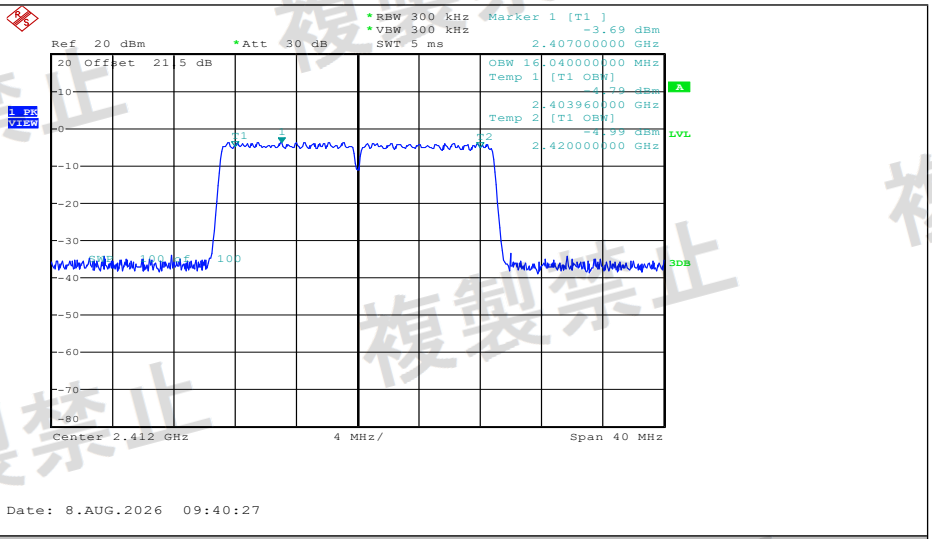

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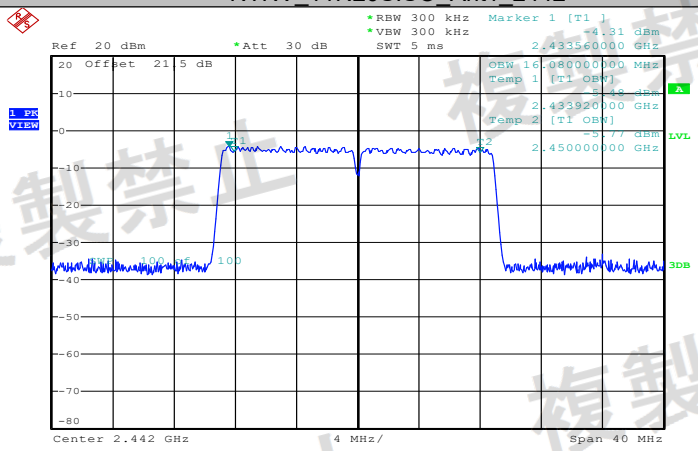

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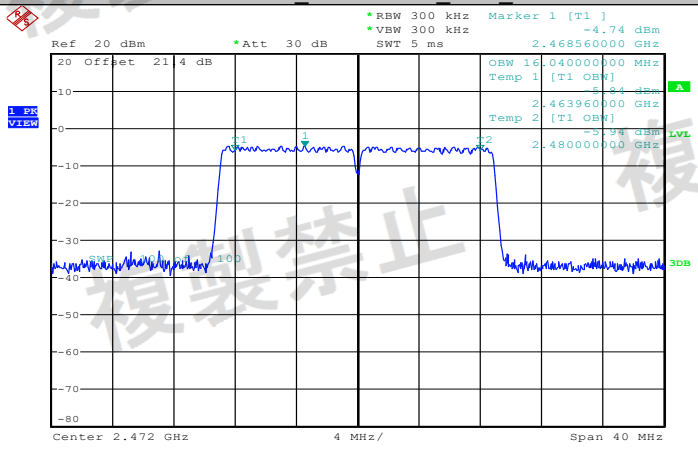

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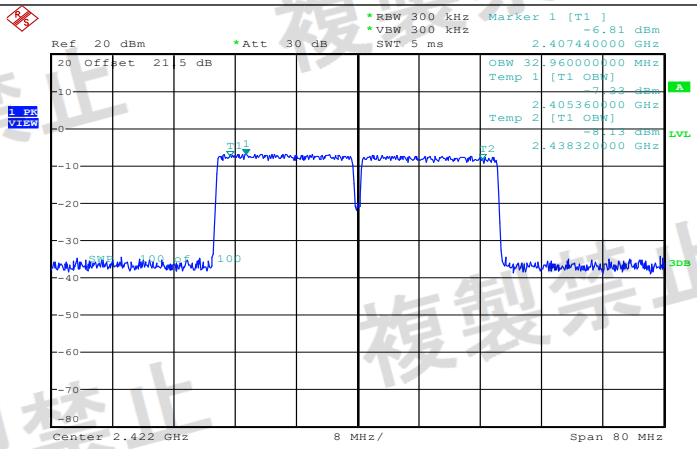

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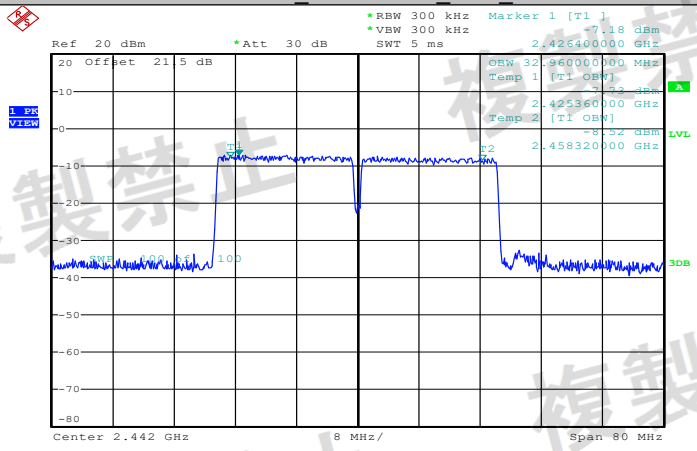

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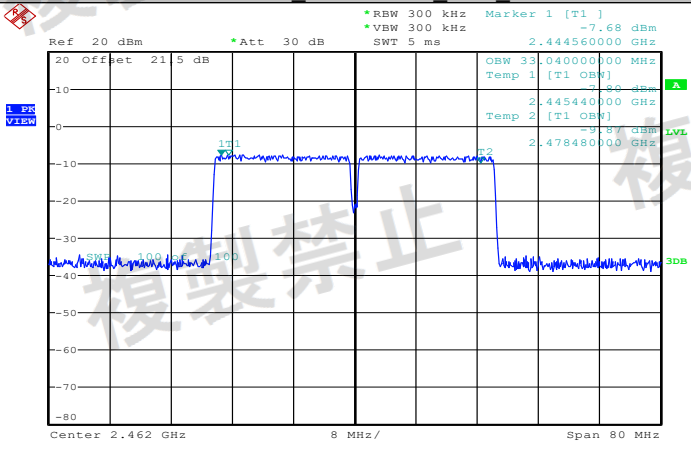

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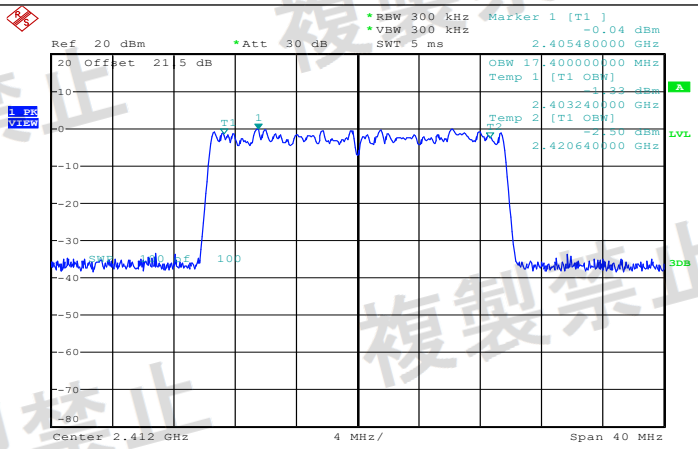

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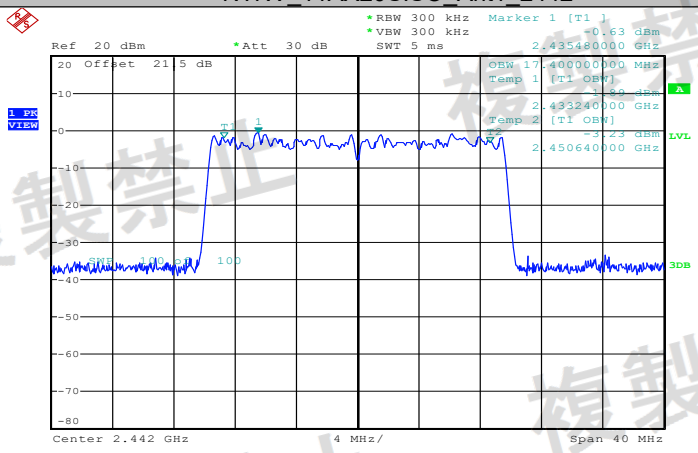

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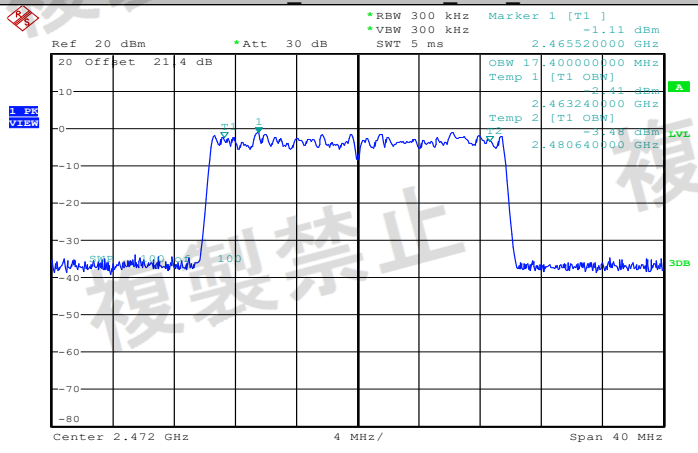

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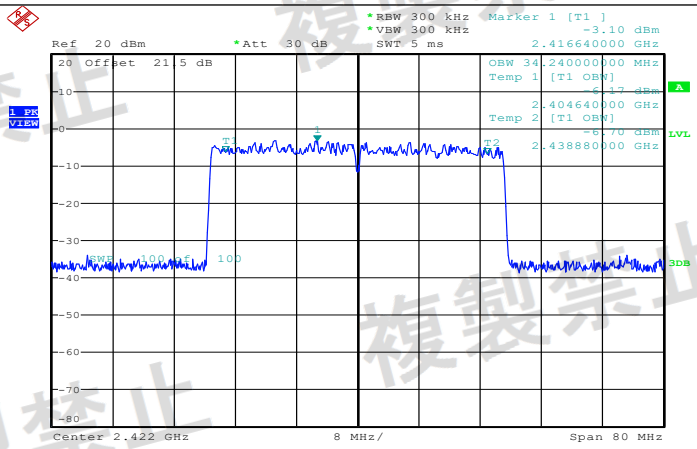

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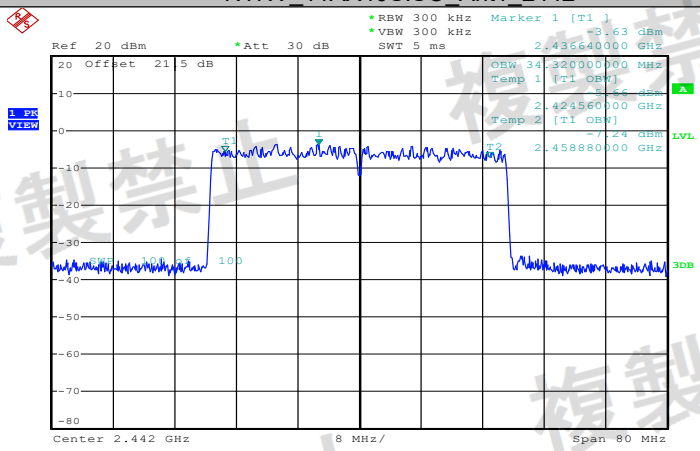

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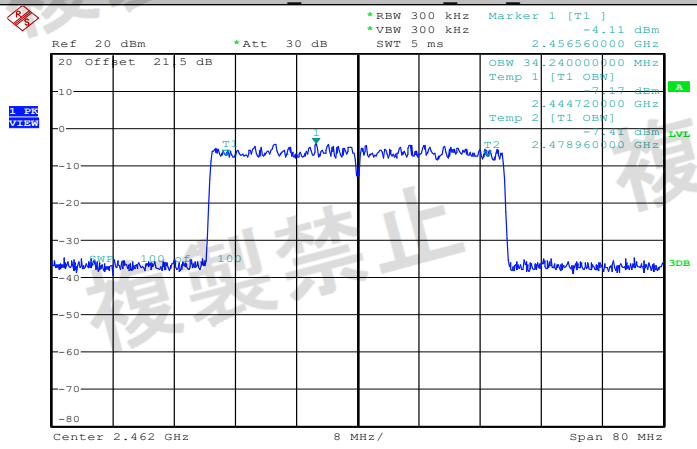

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4. Spurious Emission Intensity

Limit

Standard	Item	Frequency	Limit
Article 2-1 Item 19	TX Spurious Emission	30 - 1000MHz	2.5μW/MHz /-26dBm
		1000 - 2387MHz	2.5μW/MHz /-26dBm
		2387 - 2400MHz	25μW/MHz /-16dBm
		2483.5 - 2496.5MHz	25μW/MHz /-16dBm
		2496.5MHz - 12.5GHz	2.5μW/MHz /-26dBm

4.2 Measurement Procedure

- **Connect EUT antenna terminal to the Spectrum Analyzer.**
- **Set Spectrum Analyzer as below:**

Frequency : 30 - 2387MHz;
2387- 2400MHz;
2483.5 - 2496.5MHz;
2496.5MHz - 13GHz
RBW : 1MHz
VBW : 1MHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

4.3 Test Data

Temperature	23.2℃	Humidity	51 %
ATM Pressure	101.2kPa	Time	2026.08.08
Test by	Elio Lin	Test result	PASS

Please refer to Appendix A for the test data

5. Limit of Secondary Spurious Emissions

Limit

Standard	Item	Frequency	Limit
Article 2-1 Item 19	Spurious Emission	Below 1GHz	4nW/-54dBm
		Above 1GHz	20nW/-47dBm

5.2 Measurement Procedure

- Connect EUT antenna terminal to the Spectrum Analyzer.

- Set Spectrum Analyzer as below:

Frequency : Below 1GHz(30MHz-1GHz)
Above 1GHz(1-13GHz)
RBW : 100kHz for Below 1GHz
1MHz for Above 1GHz
VBW : 100kHz for Below 1GHz
1MHz for Above 1GHz
Sweep Time : Auto
Detector Mode : Peak
Display Mode : Max Hold

5.3 Test Data

Temperature	23.2℃	Humidity	51 %
ATM Pressure	101.2kPa	Time	2026.08.20
Test by	Elio Lin	Test result	PASS

Please refer to Appendix B for the test data.

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6. Antenna Power Measurement

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			
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")					
Antenna Power Tolerance	+20% No lower limit					
E.I.R.P. (Limit is variable by the H.P.B.A.)	6.91 - 16.91dBm/MHz	12.14 - 22.14dBm/MHz	12.14 - 22.14dBm/MHz	12.14 - 22.14dBm/MHz	9.13 - 19.13dBm/MHz	12.14 - 22.14dBm

6.2 Measurement Procedure

Step 1:
Connect the UUT to the spectrum analyser and use the following settings:

- Centre Frequency: The centre frequency of the channel under test.
- Resolution BW: 1 MHz.
- Video BW: 1 MHz.
- Span: Wide enough to cover the complete power envelope of the signal of the UUT.
- Detector: Peak.
- Trace Mode: Max Hold.

Step 2:
When the trace is complete, find the peak value of the power envelope and record the frequency.

Step 3:
Make the following changes to the settings of the spectrum analyser:

- Centre Frequency: Equal to the frequency recorded in step 2.
- Span: 0 Hz.
- Resolution BW: 1 MHz.
- Video BW: 1 MHz.
- Sweep time: 30ms.
- Detector: RMS.
- Trace Mode: Clear Hold.

Step 4:
When the trace is complete, capture the trace, for example using the "View" option on the spectrum analyser.

Find the peak value of the trace and place the analyser marker on this peak. This level is recorded as the highest mean power (spectral power density) D in a 1 MHz band.
Alternatively, where a spectrum analyser is equipped with a facility to measure spectral power density, this facility may be used to display the spectral power density D in dBm/MHz.

6.3 Test Data

Temperature	23.2℃	Humidity	51 %
ATM Pressure	101.2kPa	Time	2026.08.08
Test by	Elio Lin	Test result	PASS

Please refer to following table.

Antenna Power and EIRP

Normal Voltage

Mode (802.11)	Frequency (MHz)	Antenna Power (dBm/MHz)	Antenna Output Power (mW/MHz)	Declared Power (mW/MHz)	Limit of Antenna Power (mW/MHz)	Tolerance (%)	Limit (%)	Verdict
b	2412	1.44	1.3932	1.5	10	-7.12	20	Pass
	2442	0.67	1.1668	1.5	10	-22.21	20	Pass
	2472	0.87	1.2218	1.5	10	-18.55	20	Pass
g	2412	0.70	1.1749	1.5	10	-21.67	20	Pass
	2442	-0.04	0.9908	1.5	10	-33.95	20	Pass
	2472	-0.40	0.9120	1.5	10	-39.20	20	Pass
n20	2412	0.45	1.1092	1.5	10	-26.05	20	Pass
	2442	-0.21	0.9528	1.5	10	-36.48	20	Pass
	2472	-0.60	0.8710	1.5	10	-41.93	20	Pass
n40	2422	-2.64	0.5445	1.5	5	-63.70	20	Pass
	2442	-3.22	0.4764	1.5	5	-68.24	20	Pass
	2462	-3.84	0.4130	1.5	5	-72.47	20	Pass
ax20	2412	-0.31	0.9311	1.5	10	-37.93	20	Pass
	2442	-1.08	0.7798	1.5	10	-48.01	20	Pass
	2472	-0.81	0.8299	1.5	10	-44.67	20	Pass
ax40	2422	-3.24	0.4742	1.5	5	-68.39	20	Pass
	2442	-4.11	0.3882	1.5	5	-74.12	20	Pass
	2462	-4.62	0.3451	1.5	5	-76.99	20	Pass

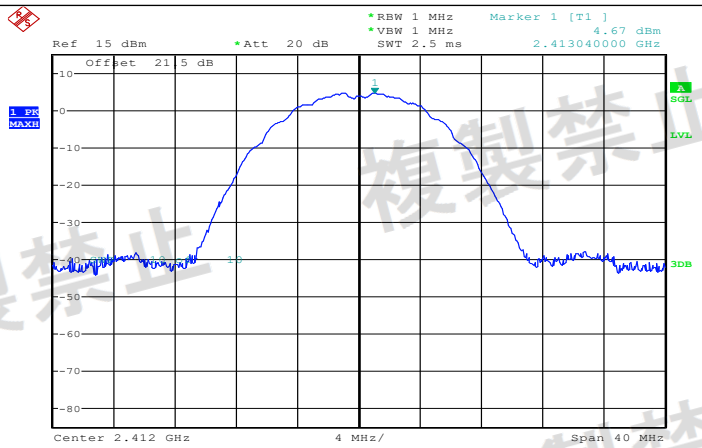
Note:

1. Declared Power by manufacturer.
2. EIRP (dBm/MHz) = 10log*Antenna Output Power (mW/MHz)+Antenna Gain

Condition	Mode	Frequency (MHz)	Antenna Power (dBm/MHz)	Gain (dBi)	EIRP (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	b	2412	1.44	1.73	3.17	12.14	Pass
		2442	0.67	1.73	2.40	12.14	Pass
		2472	0.87	1.73	2.6	12.14	Pass
	g	2412	0.70	1.73	2.43	12.14	Pass
		2442	-0.04	1.73	1.69	12.14	Pass
		2472	-0.40	1.73	1.33	12.14	Pass
	n20	2412	0.45	1.73	2.18	12.14	Pass
		2442	-0.21	1.73	1.52	12.14	Pass
		2472	-0.60	1.73	1.13	12.14	Pass
	n40	2422	-2.64	1.73	-0.91	9.13	Pass
		2442	-3.22	1.73	-1.49	9.13	Pass
		2462	-3.84	1.73	-2.11	9.13	Pass
	ax20	2412	-0.31	1.73	1.42	12.14	Pass
		2442	-1.08	1.73	0.65	12.14	Pass
		2472	-0.81	1.73	0.92	12.14	Pass
	ax40	2422	-3.24	1.73	-1.51	9.13	Pass
		2442	-4.11	1.73	-2.38	9.13	Pass

		2462	-4.62	1.73	-2.89	9.13	Pass

Test Graphs



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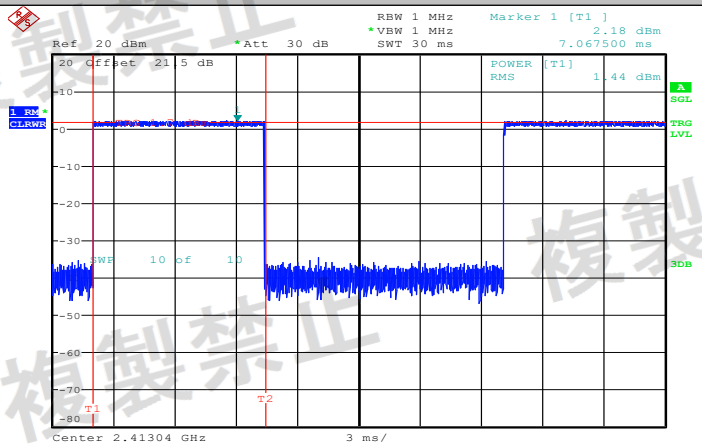

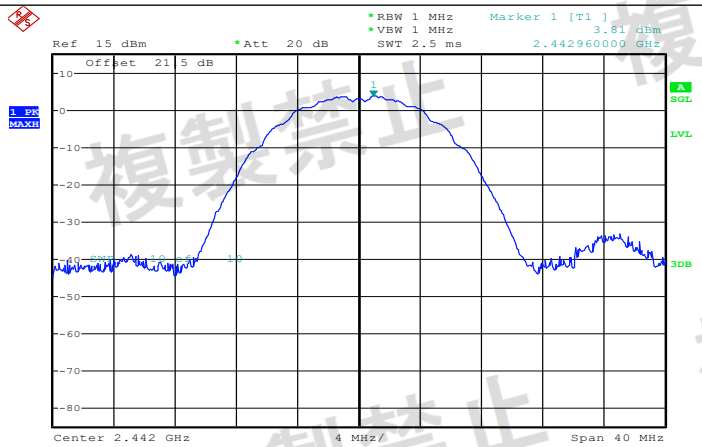

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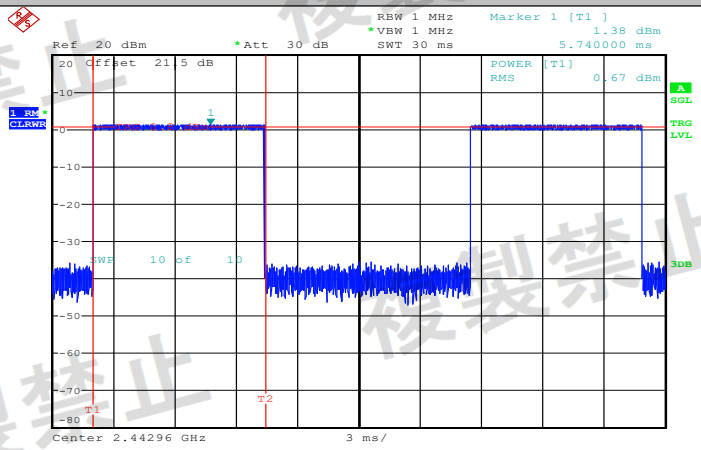

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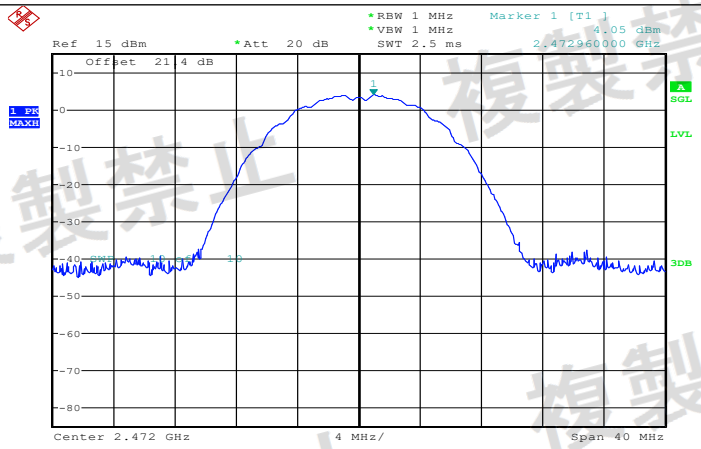

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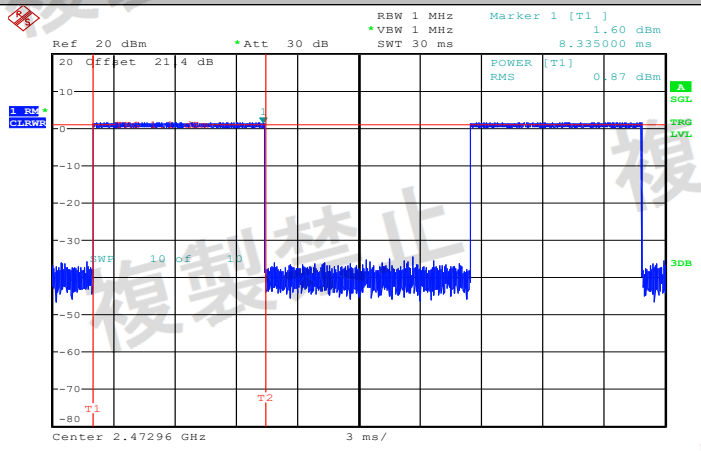

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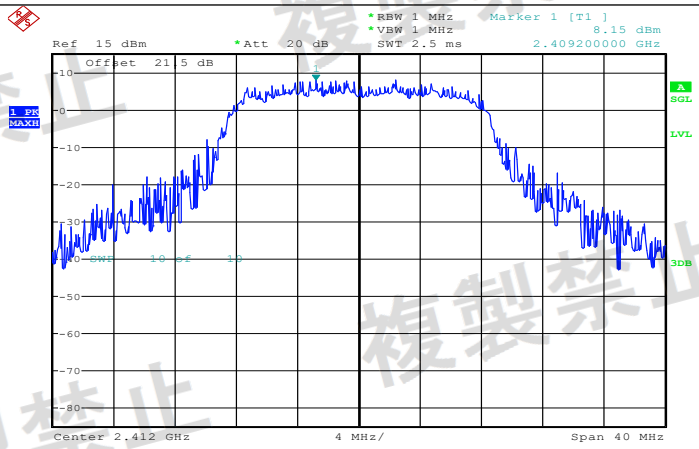

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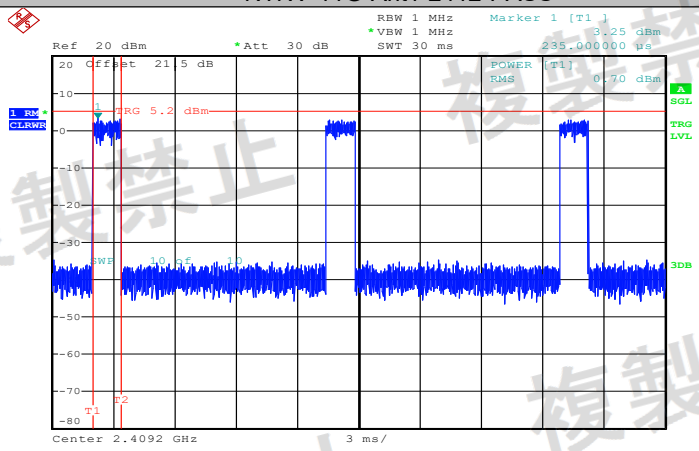

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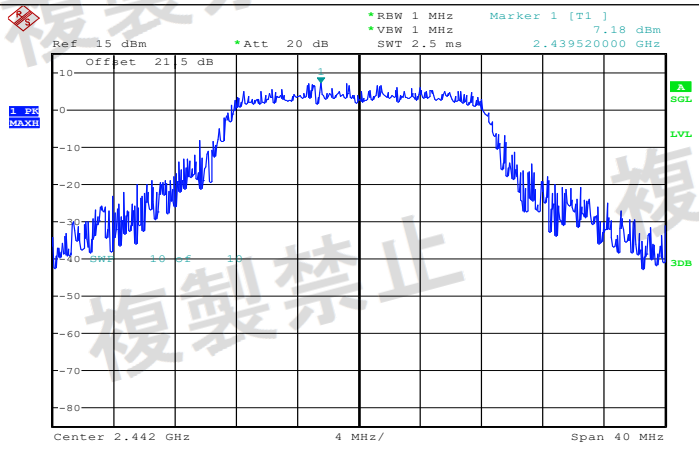

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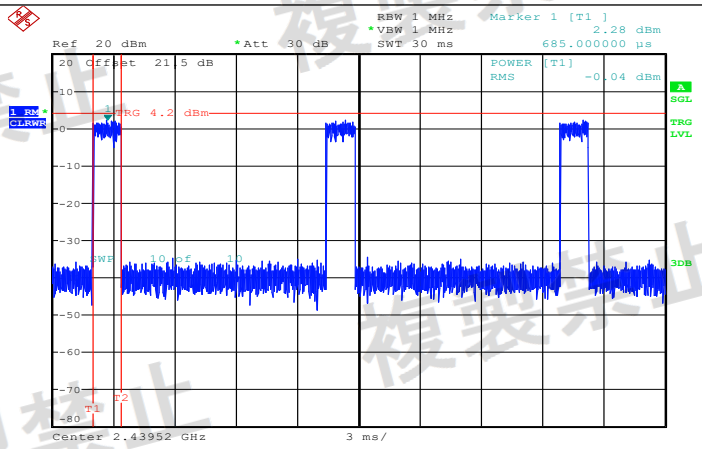

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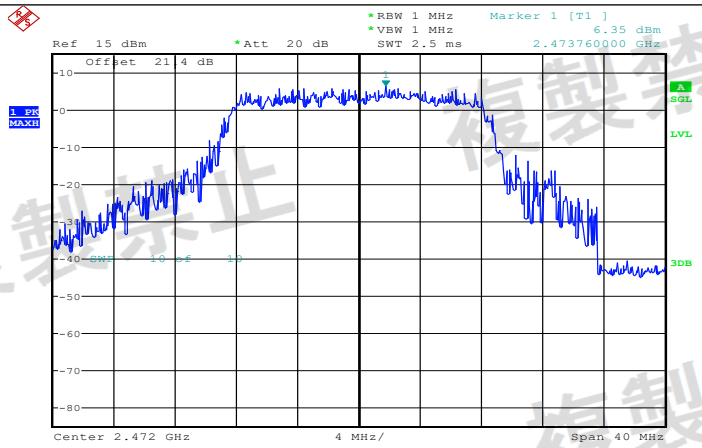

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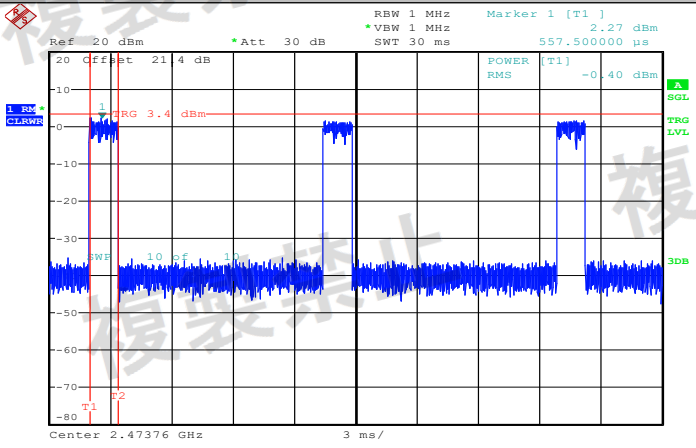

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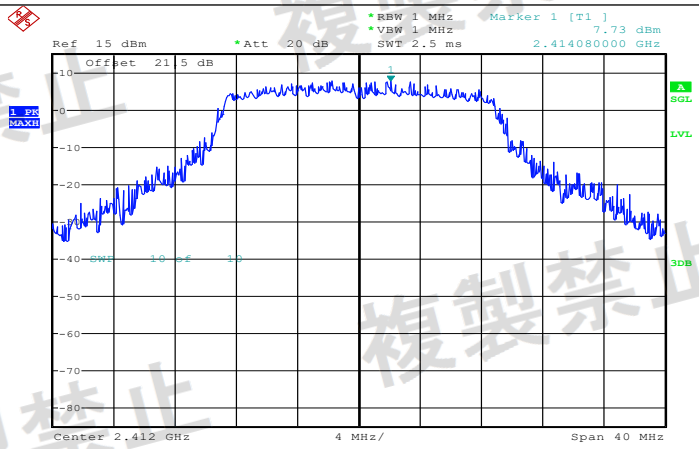

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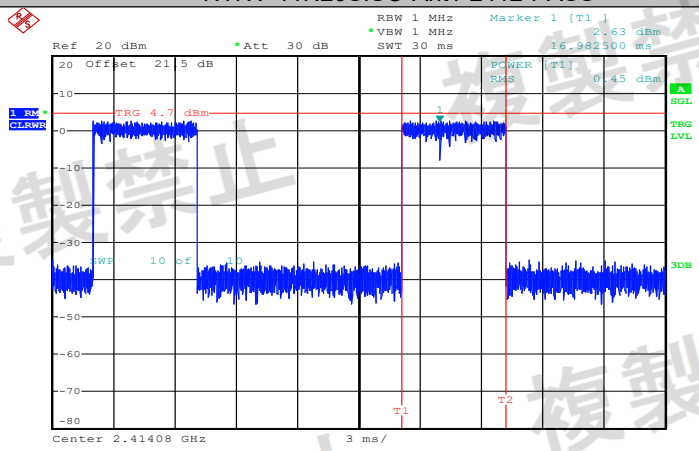

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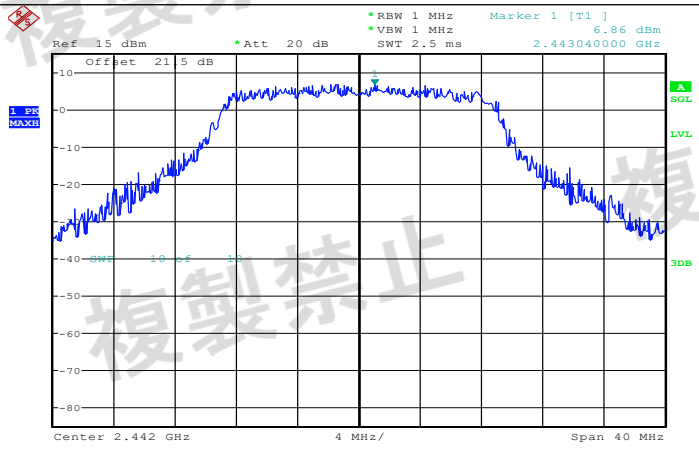

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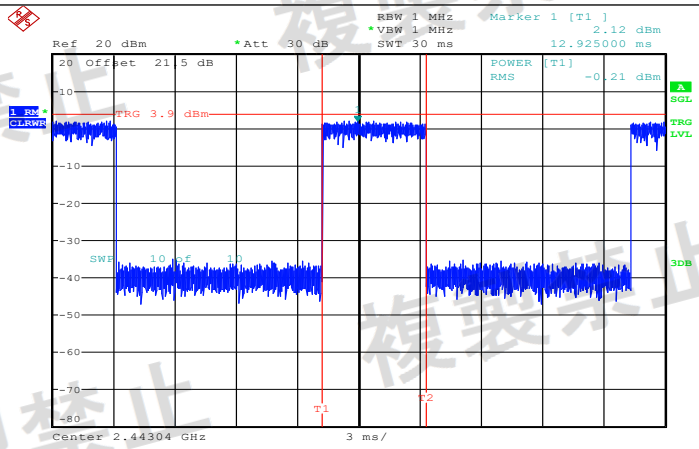

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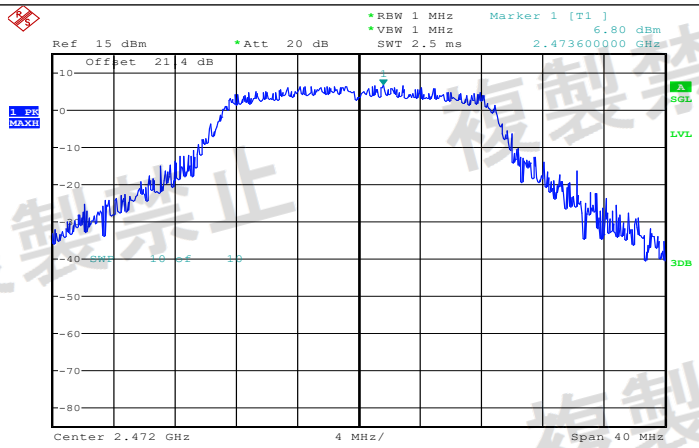

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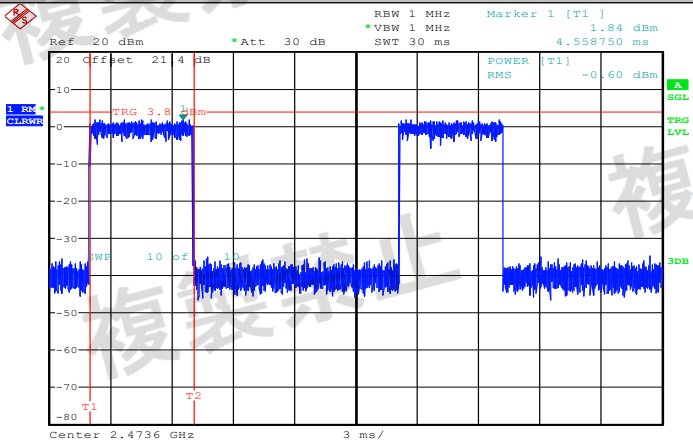

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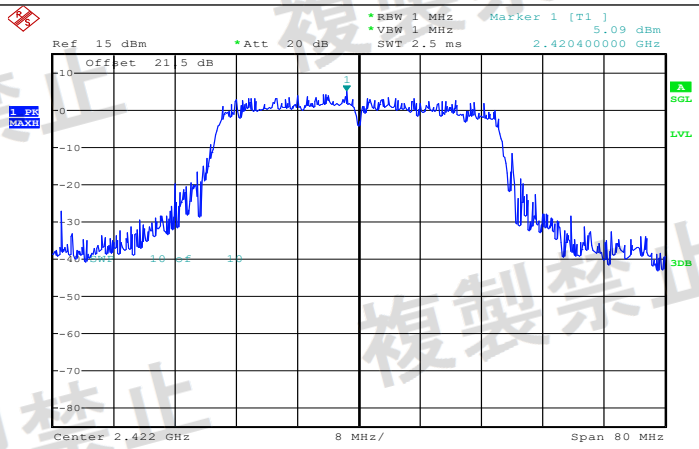

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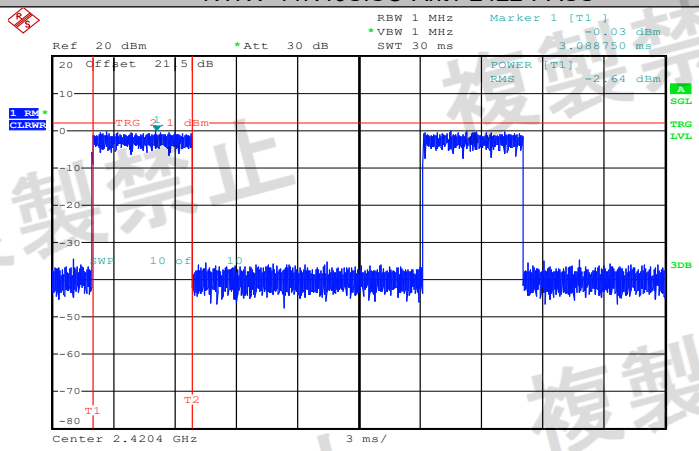

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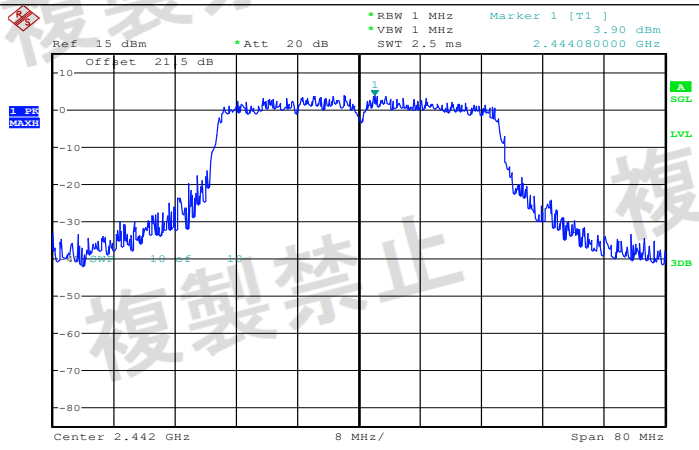

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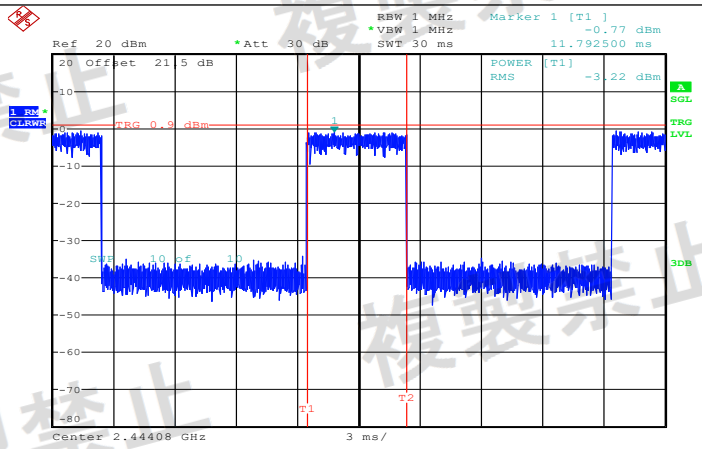

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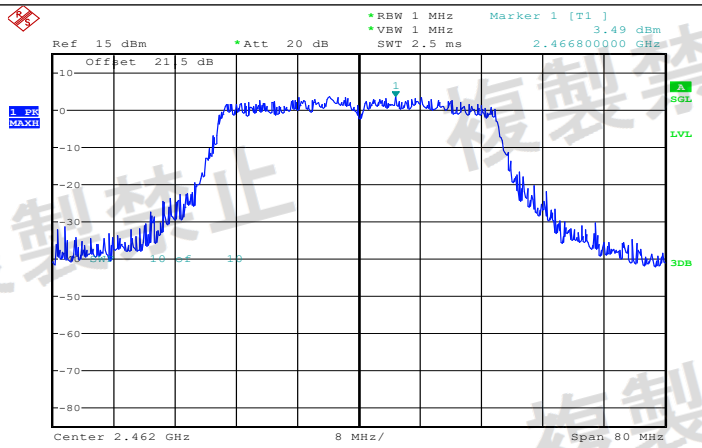

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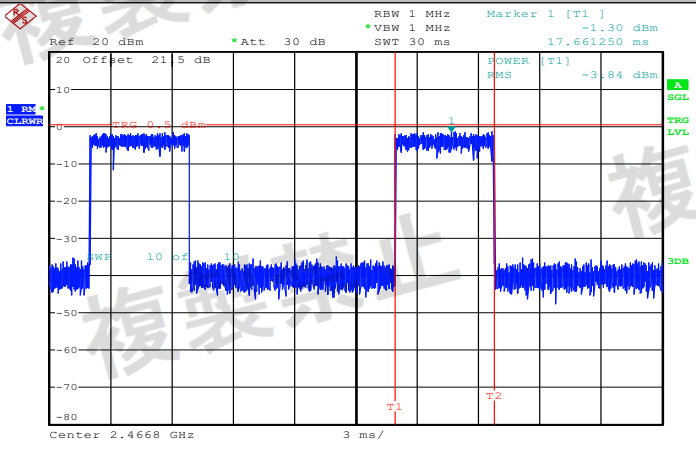

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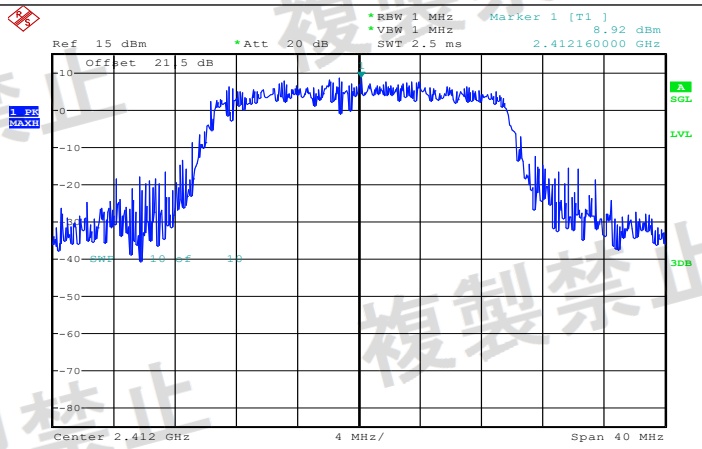

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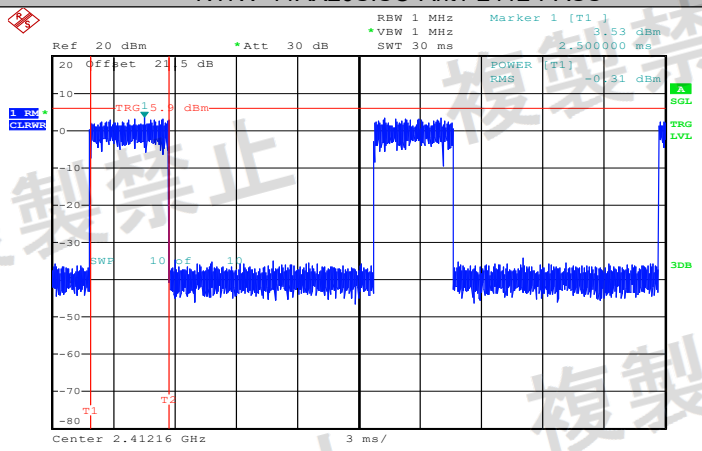

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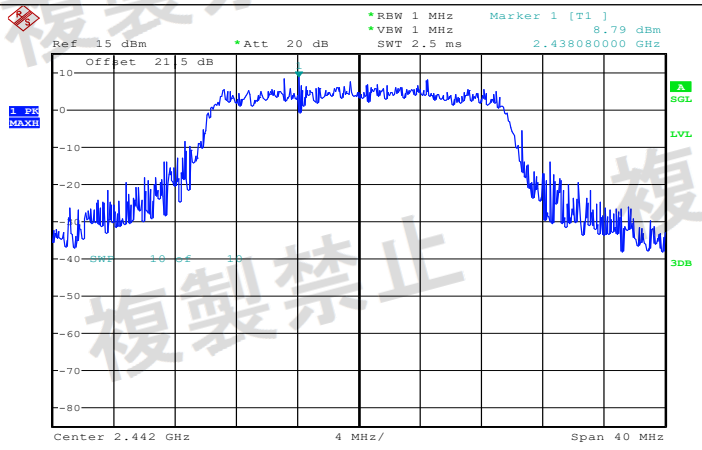

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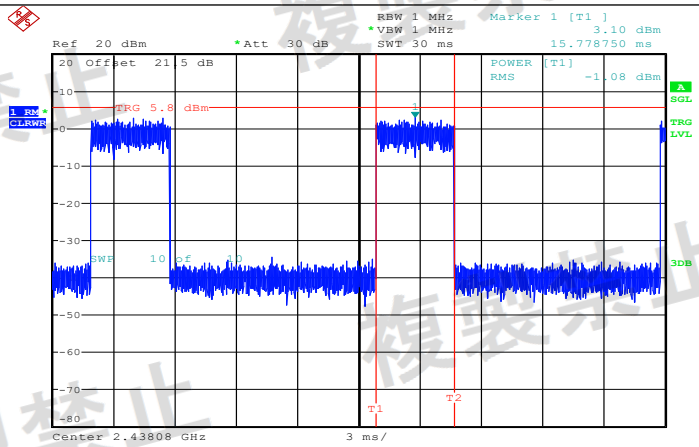

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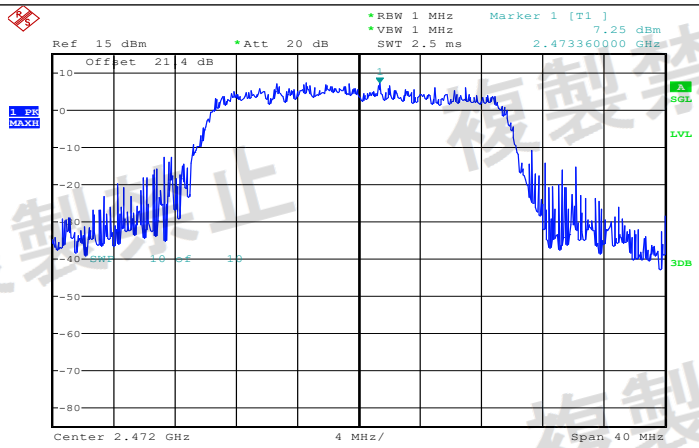

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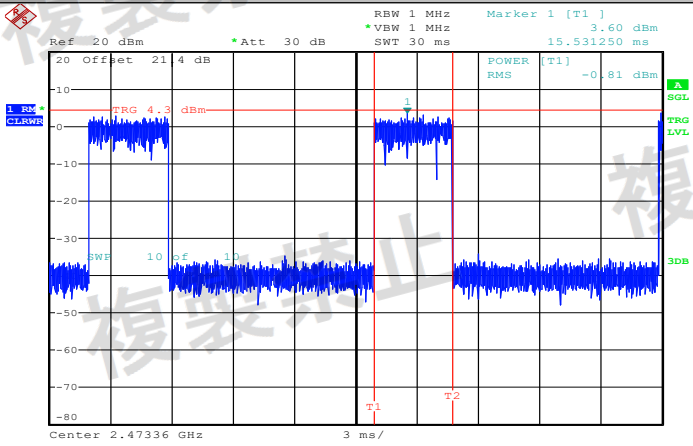

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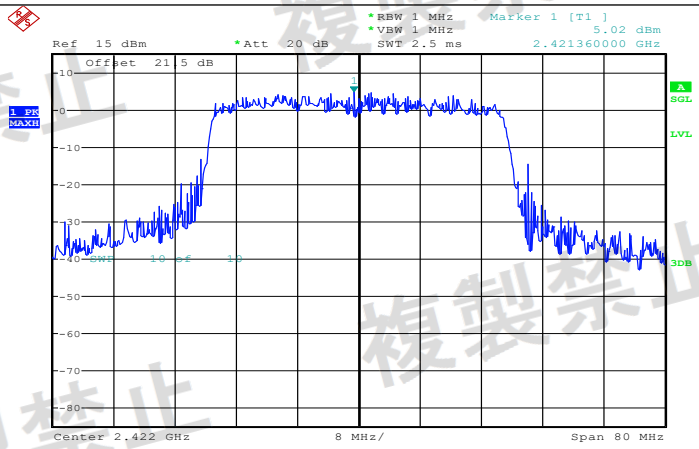

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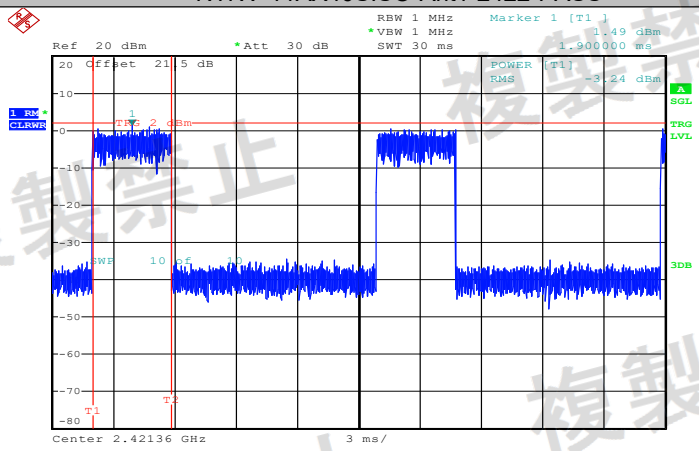

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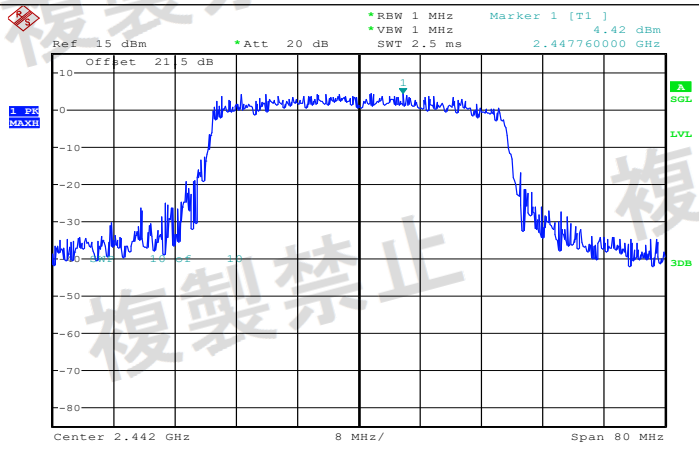

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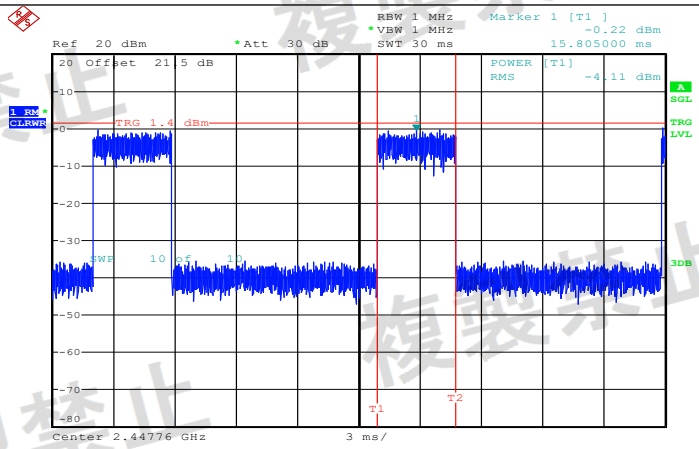

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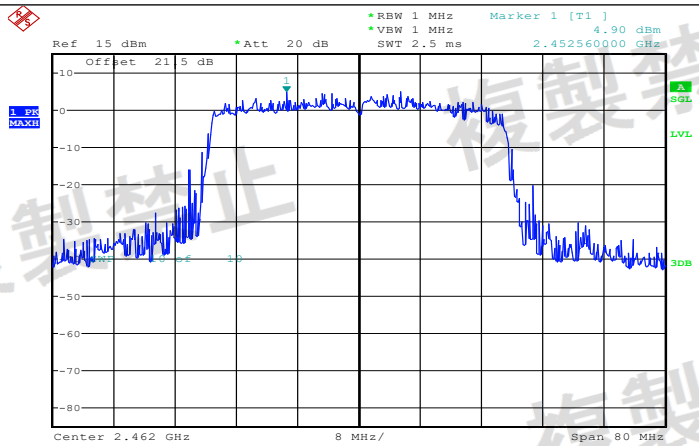

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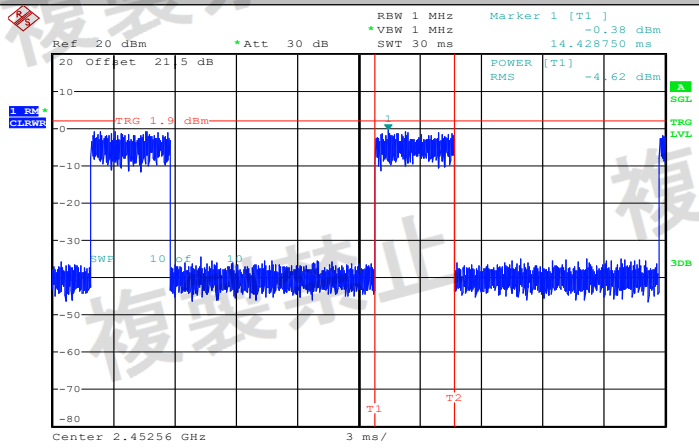

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7. Carrier Sense

7.1 Limit

During outputting Carrier Wave by Signal Generator, check the EUT does not transmit any waves (include the Beacon).

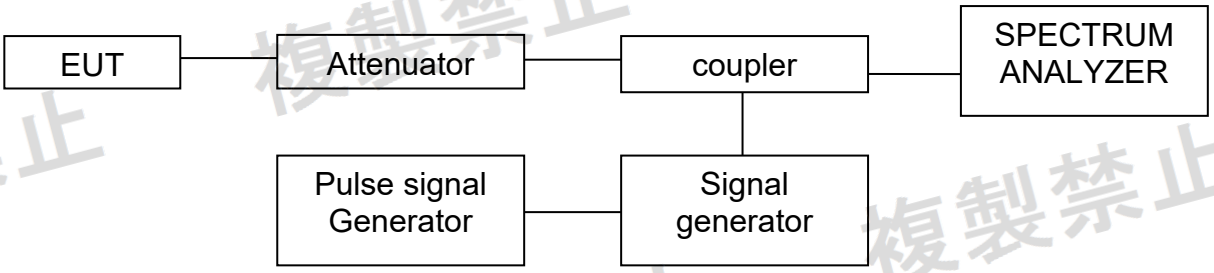
7.2 Measurement Procedure

1. Set the spectrum analyzer as follows:
   Center frequency: Center frequency of the bandwidth used.
   Sweep frequency band: 50MHz
   Resolution bandwidth: Approximately 1MHz
   Video bandwidth: Comparable level with resolution bandwidth
   Trigger condition: Free-run
   Detective mode: Positive peak

2. Set the test equipment to the transmitting operation with the output of standard signal generator OFF, and confirm that it emits over 26MHz occupied frequency bandwidth OFDM radio wave

3. Set the test equipment to the receiving mode

4. With the output of standard signal generator ON, set the test equipment to the transmitting operation, and confirm that it does not emit over 26MHz occupied frequency band width OFDM radio wave
5. Test System Diagram



7.3 Test Data

Mode	Channel	Test result
802.11n40	7	Good
802.11ax40	7	Good

8. INTERFERENCE PREVENTION FUNCTION

8.1 Standard Applicable

According to Item 19 of Article 2 Paragraph 1. The device shall have the function of automatic transmission or reception of identification code.

8.2 Test Procedure

1. Set the EUT in the usual operation condition

2. The radio equipment with automatic transmitting function of identification code

   A. Transmit the assigned identification code from the radio equipment.
   B. Confirm the identification code received by the demodulator.

3. The radio equipment with automatic receiving function of identification code

   A. Transmit the assigned identification code from the opposite equipment.
   B. Confirm that the usual communication is available.
   C. Transmit the identification code distinct from the assigned one from the opposite equipment.
   D. Confirm that the radio equipment is stopped or an indication is displayed as the identification code is different.

4. The identification function shall be recorded with “Good” or “No”.

8.3 Summary of Test Results/Plots

Test Item	Test Result
Transmitting Function of Identification Code	Good
Receiving Function of Identification Code	Good

Note: The MAC address is: F8:D8:11:5F:A2:A9

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

Address: Room 110, 111, 112, 113, 115, 116, Block B, Jinyuan Business Building, No. 302, Xixiang Avenue, Labor Community, Xixiang Street, Baoan District, Shenzhen, China

(END OF REPORT)

Appendix A: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11B	Ant1	2412	30~2387	-30.40	≤-26	1.10917	≤2.5	PASS
NTNV	11B	Ant1	2412	2387~2400	-45.50	≤-16	0.03428	≤25	PASS
NTNV	11B	Ant1	2412	2483.5~2496.5	-51.00	≤-16	0.00966	≤25	PASS
NTNV	11B	Ant1	2412	2496.5~13000	-32.14	≤-26	0.74302	≤2.5	PASS
NTNV	11B	Ant1	2442	30~2387	-31.65	≤-26	0.83176	≤2.5	PASS
NTNV	11B	Ant1	2442	2387~2400	-53.17	≤-16	0.00586	≤25	PASS
NTNV	11B	Ant1	2442	2483.5~2496.5	-51.57	≤-16	0.00847	≤25	PASS
NTNV	11B	Ant1	2442	2496.5~13000	-40.91	≤-26	0.09863	≤2.5	PASS
NTNV	11B	Ant1	2472	30~2387	-41.59	≤-26	0.08433	≤2.5	PASS
NTNV	11B	Ant1	2472	2387~2400	-56.35	≤-16	0.00282	≤25	PASS
NTNV	11B	Ant1	2472	2483.5~2496.5	-53.14	≤-16	0.00590	≤25	PASS
NTNV	11B	Ant1	2472	2496.5~13000	-36.95	≤-26	0.24547	≤2.5	PASS
NTNV	11G	Ant1	2412	30~2387	-39.91	≤-26	0.12417	≤2.5	PASS
NTNV	11G	Ant1	2412	2387~2400	-45.47	≤-16	0.03451	≤25	PASS
NTNV	11G	Ant1	2412	2483.5~2496.5	-52.83	≤-16	0.00634	≤25	PASS
NTNV	11G	Ant1	2412	2496.5~13000	-37.41	≤-26	0.22080	≤2.5	PASS
NTNV	11G	Ant1	2442	30~2387	-32.95	≤-26	0.61660	≤2.5	PASS
NTNV	11G	Ant1	2442	2387~2400	-47.51	≤-16	0.02158	≤25	PASS
NTNV	11G	Ant1	2442	2483.5~2496.5	-47.79	≤-16	0.02023	≤25	PASS
NTNV	11G	Ant1	2442	2496.5~13000	-44.82	≤-26	0.04009	≤2.5	PASS
NTNV	11G	Ant1	2472	30~2387	-31.34	≤-26	0.89331	≤2.5	PASS
NTNV	11G	Ant1	2472	2387~2400	-50.09	≤-16	0.01191	≤25	PASS
NTNV	11G	Ant1	2472	2483.5~2496.5	-41.17	≤-16	0.09290	≤25	PASS
NTNV	11G	Ant1	2472	2496.5~13000	-39.96	≤-26	0.12274	≤2.5	PASS
NTNV	11N20SISO	Ant1	2412	30~2387	-32.96	≤-26	0.61518	≤2.5	PASS
NTNV	11N20SISO	Ant1	2412	2387~2400	-43.52	≤-16	0.05408	≤25	PASS
NTNV	11N20SISO	Ant1	2412	2483.5~2496.5	-51.59	≤-16	0.00843	≤25	PASS
NTNV	11N20SISO	Ant1	2412	2496.5~13000	-31.92	≤-26	0.78163	≤2.5	PASS
NTNV	11N20SISO	Ant1	2442	30~2387	-33.60	≤-26	0.53088	≤2.5	PASS
NTNV	11N20SISO	Ant1	2442	2387~2400	-47.01	≤-16	0.02421	≤25	PASS
NTNV	11N20SISO	Ant1	2442	2483.5~2496.5	-48.68	≤-16	0.01648	≤25	PASS
NTNV	11N20SISO	Ant1	2442	2496.5~13000	-34.44	≤-26	0.43752	≤2.5	PASS
NTNV	11N20SISO	Ant1	2472	30~2387	-31.80	≤-26	0.80353	≤2.5	PASS
NTNV	11N20SISO	Ant1	2472	2387~2400	-49.67	≤-16	0.01312	≤25	PASS
NTNV	11N20SISO	Ant1	2472	2483.5~2496.5	-35.79	≤-16	0.32063	≤25	PASS
NTNV	11N20SISO	Ant1	2472	2496.5~13000	-33.49	≤-26	0.54450	≤2.5	PASS
NTNV	11N40SISO	Ant1	2422	30~2387	-36.42	≤-26	0.27733	≤2.5	PASS

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NTNV	11N40SISO	Ant1	2422	2387~2400	-44.68	≤-16	0.04140	≤25	PASS
NTNV	11N40SISO	Ant1	2422	2483.5~2496.5	-50.15	≤-16	0.01175	≤25	PASS
NTNV	11N40SISO	Ant1	2422	2496.5~13000	-44.64	≤-26	0.04178	≤2.5	PASS
NTNV	11N40SISO	Ant1	2442	30~2387	-36.18	≤-26	0.29309	≤2.5	PASS
NTNV	11N40SISO	Ant1	2442	2387~2400	-43.96	≤-16	0.04887	≤25	PASS
NTNV	11N40SISO	Ant1	2442	2483.5~2496.5	-48.05	≤-16	0.01905	≤25	PASS
NTNV	11N40SISO	Ant1	2442	2496.5~13000	-32.36	≤-26	0.70632	≤2.5	PASS
NTNV	11N40SISO	Ant1	2462	30~2387	-35.14	≤-26	0.37239	≤2.5	PASS
NTNV	11N40SISO	Ant1	2462	2387~2400	-46.94	≤-16	0.02460	≤25	PASS
NTNV	11N40SISO	Ant1	2462	2483.5~2496.5	-44.07	≤-16	0.04764	≤25	PASS
NTNV	11N40SISO	Ant1	2462	2496.5~13000	-42.27	≤-26	0.07211	≤2.5	PASS
NTNV	11AX20SISO	Ant1	2412	30~2387	-30.90	≤-26	0.98855	≤2.5	PASS
NTNV	11AX20SISO	Ant1	2412	2387~2400	-32.44	≤-16	0.69343	≤25	PASS
NTNV	11AX20SISO	Ant1	2412	2483.5~2496.5	-51.40	≤-16	0.00881	≤25	PASS
NTNV	11AX20SISO	Ant1	2412	2496.5~13000	-36.00	≤-26	0.30549	≤2.5	PASS
NTNV	11AX20SISO	Ant1	2442	30~2387	-34.67	≤-26	0.41495	≤2.5	PASS
NTNV	11AX20SISO	Ant1	2442	2387~2400	-55.55	≤-16	0.00339	≤25	PASS
NTNV	11AX20SISO	Ant1	2442	2483.5~2496.5	-47.75	≤-16	0.02042	≤25	PASS
NTNV	11AX20SISO	Ant1	2442	2496.5~13000	-31.68	≤-26	0.82604	≤2.5	PASS
NTNV	11AX20SISO	Ant1	2472	30~2387	-30.11	≤-26	1.18577	≤2.5	PASS
NTNV	11AX20SISO	Ant1	2472	2387~2400	-49.85	≤-16	0.01259	≤25	PASS
NTNV	11AX20SISO	Ant1	2472	2483.5~2496.5	-25.02	≤-16	3.82825	≤25	PASS
NTNV	11AX20SISO	Ant1	2472	2496.5~13000	-38.06	≤-26	0.19011	≤2.5	PASS
NTNV	11AX40SISO	Ant1	2422	30~2387	-31.28	≤-26	0.90573	≤2.5	PASS
NTNV	11AX40SISO	Ant1	2422	2387~2400	-41.67	≤-16	0.08279	≤25	PASS
NTNV	11AX40SISO	Ant1	2422	2483.5~2496.5	-48.34	≤-16	0.01782	≤25	PASS
NTNV	11AX40SISO	Ant1	2422	2496.5~13000	-36.03	≤-26	0.30339	≤2.5	PASS
NTNV	11AX40SISO	Ant1	2442	30~2387	-30.50	≤-26	1.08393	≤2.5	PASS
NTNV	11AX40SISO	Ant1	2442	2387~2400	-44.02	≤-16	0.04819	≤25	PASS
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NTNV	11AX40SISO	Ant1	2442	2496.5~13000	-34.02	≤-26	0.48195	≤2.5	PASS
NTNV	11AX40SISO	Ant1	2462	30~2387	-33.65	≤-26	0.52481	≤2.5	PASS
NTNV	11AX40SISO	Ant1	2462	2387~2400	-48.42	≤-16	0.01750	≤25	PASS
NTNV	11AX40SISO	Ant1	2462	2483.5~2496.5	-35.24	≤-16	0.36392	≤25	PASS
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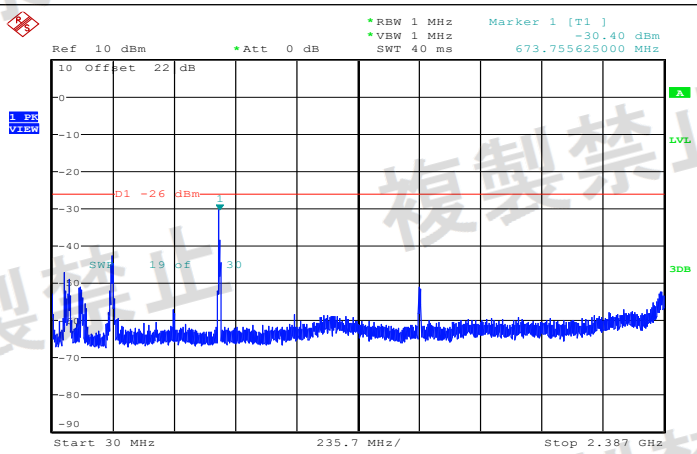
Test Graphs



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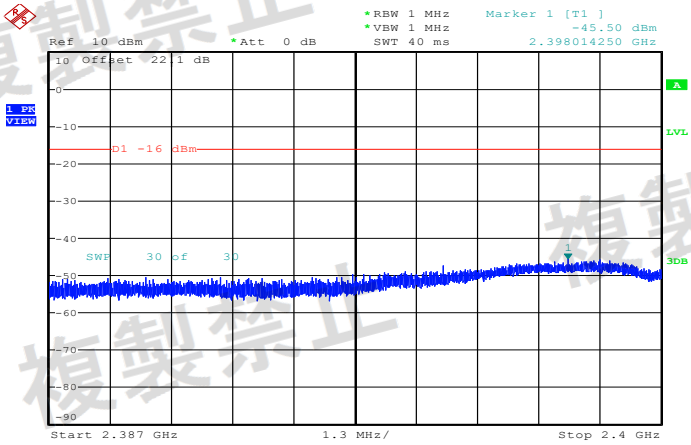

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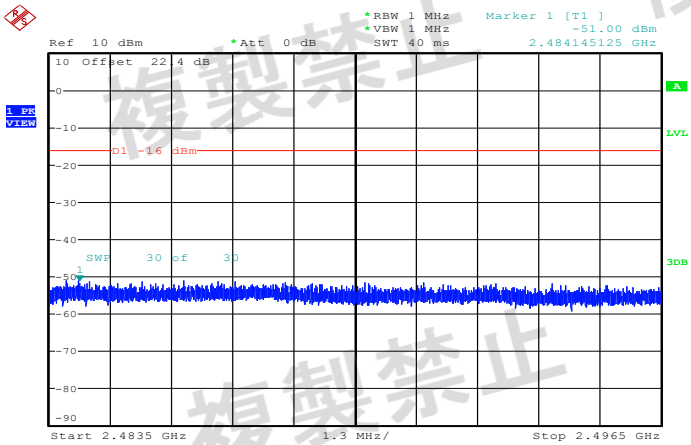

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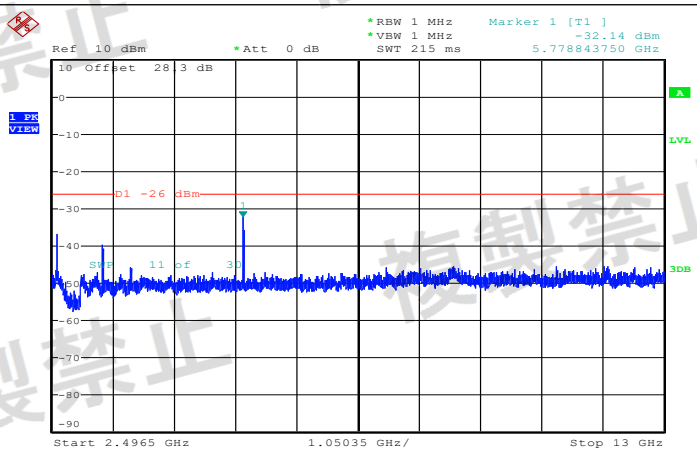
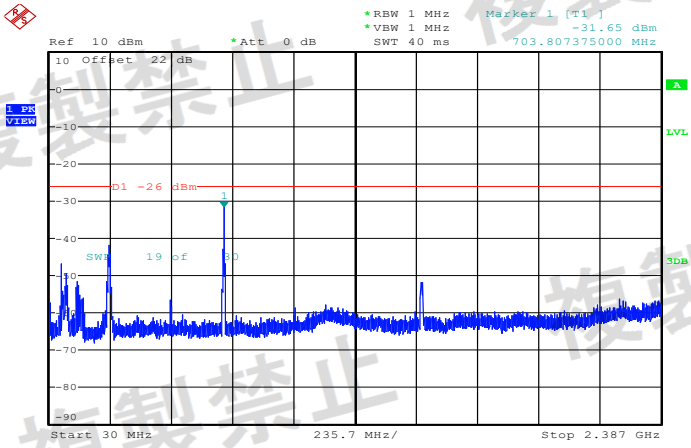


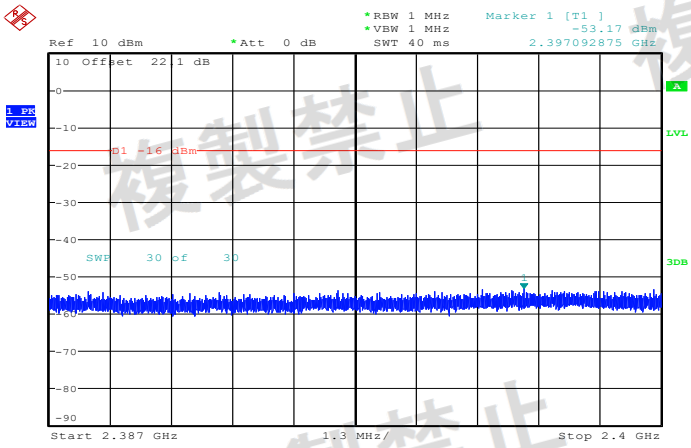
Date: 8.AUG.2026 09:26:07

NTNV-11B-Ant1-2412-2496.5~13000-PASS



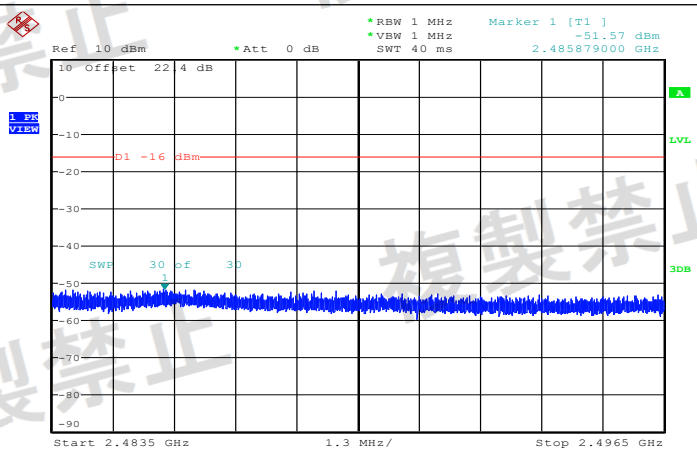
Date: 8.AUG.2026 09:29:18

NTNV-11B-Ant1-2442-30~2387-PASS



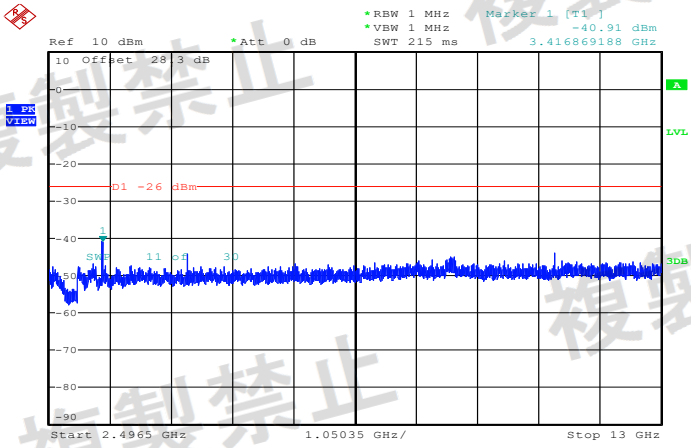
Date: 8.AUG.2026 09:29:26

NTNV-11B-Ant1-2442-2387~2400-PASS



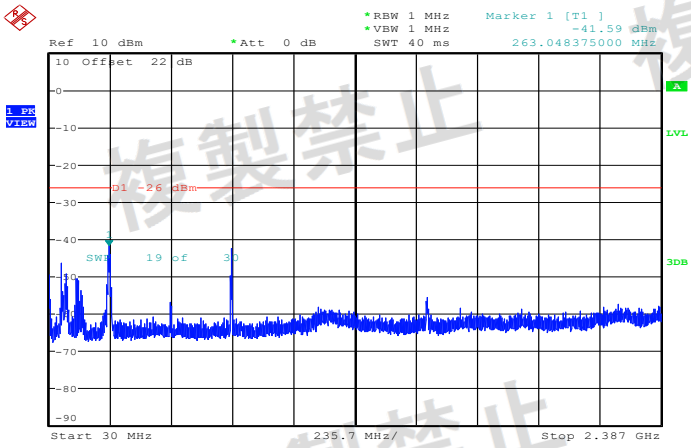
Date: 8.AUG.2026 09:29:34

NTNV-11B-Ant1-2442-2483.5~2496.5-PASS



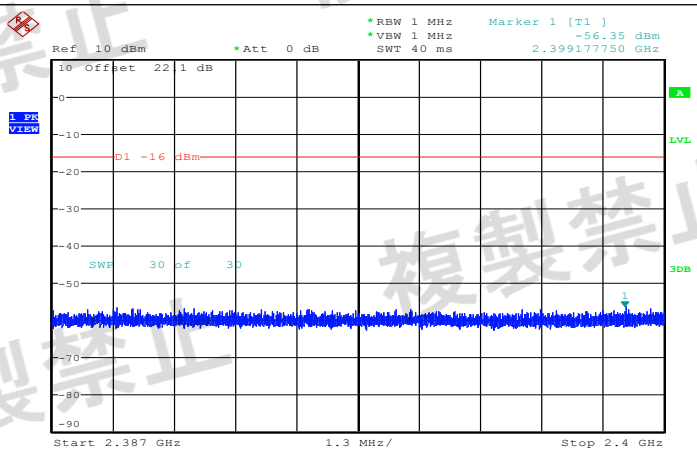
Date: 8.AUG.2026 09:29:46

NTNV-11B-Ant1-2442-2496.5~13000-PASS



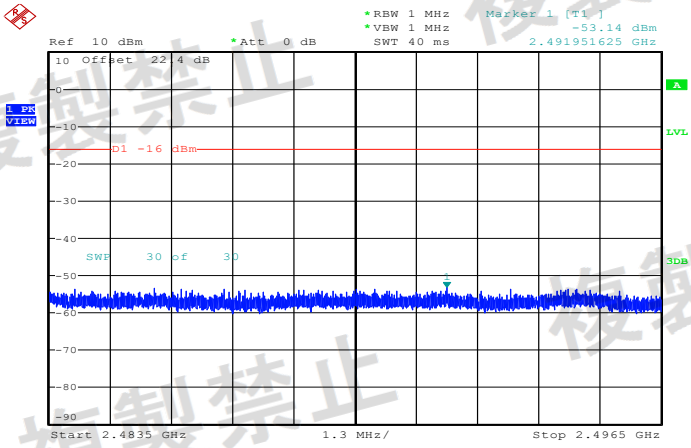
Date: 8.AUG.2026 09:32:04

NTNV-11B-Ant1-2472-30~2387-PASS



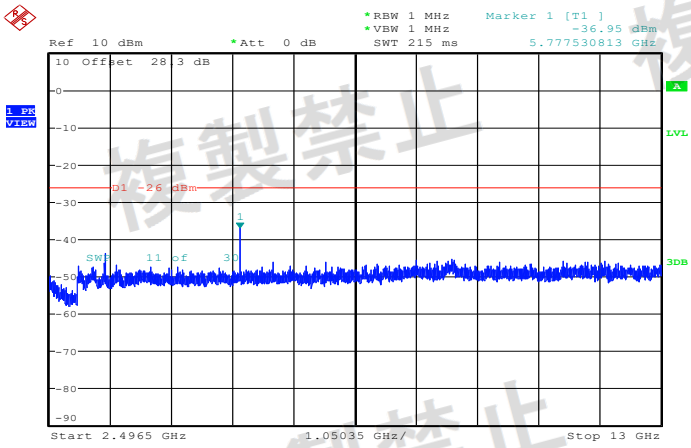
Date: 8.AUG.2026 09:32:11

NTNV-11B-Ant1-2472-2387~2400-PASS



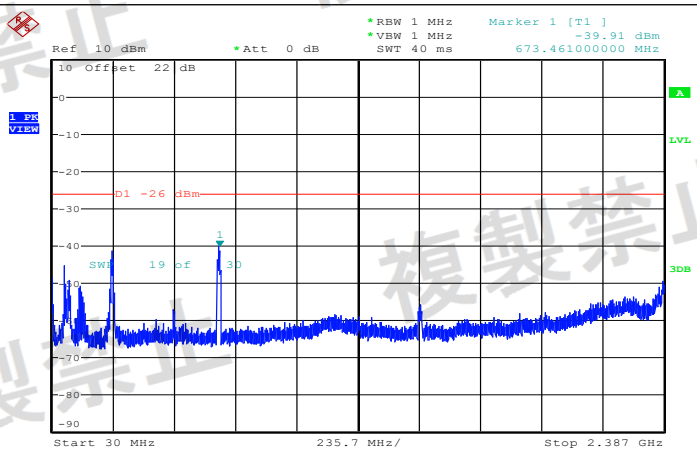
Date: 8.AUG.2026 09:32:19

NTNV-11B-Ant1-2472-2483.5~2496.5-PASS



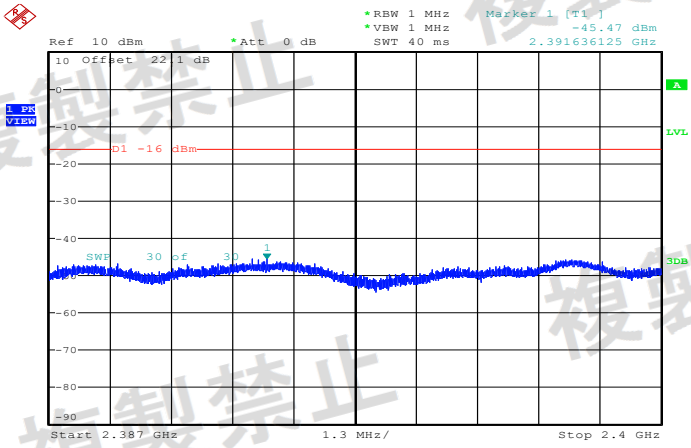
Date: 8.AUG.2026 09:32:32

NTNV-11B-Ant1-2472-2496.5~13000-PASS



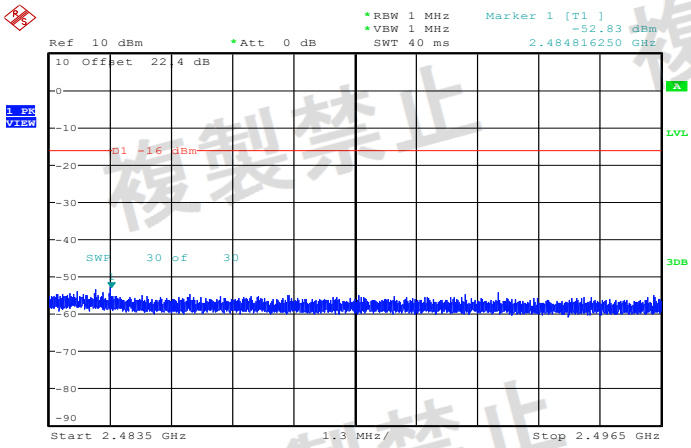
Date: 8.AUG.2026 09:34:20

NTNV-11G-Ant1-2412-30~2387-PASS



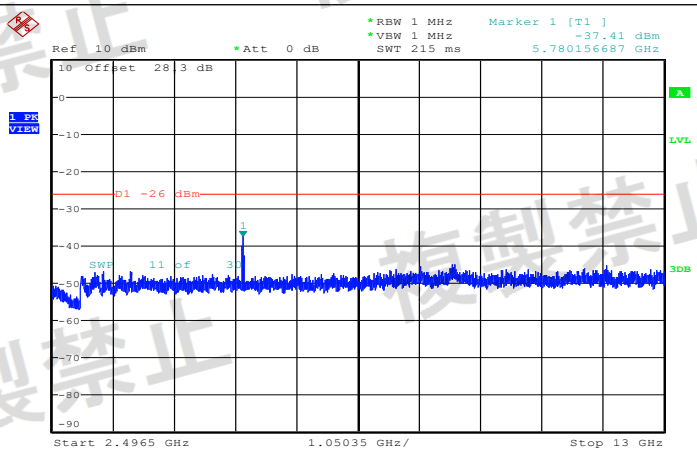
Date: 8.AUG.2026 09:34:28

NTNV-11G-Ant1-2412-2387~2400-PASS



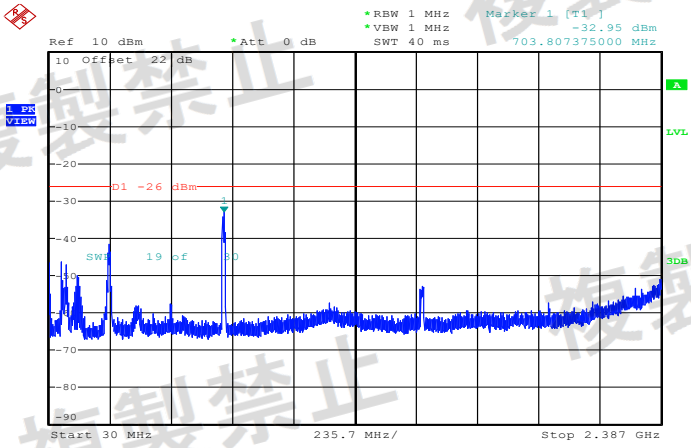
Date: 8.AUG.2026 09:34:36

NTNV-11G-Ant1-2412-2483.5~2496.5-PASS



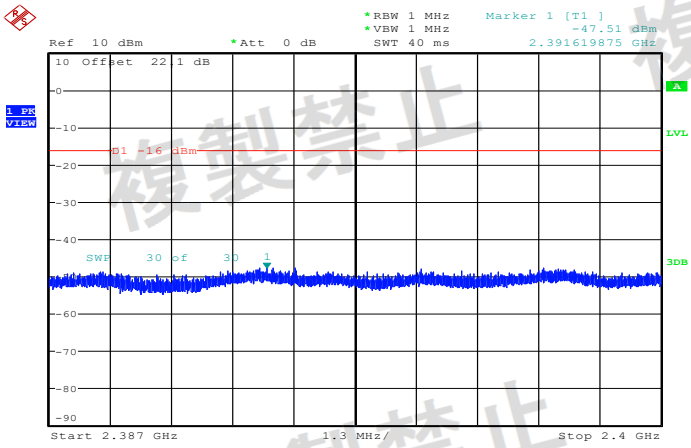
Date: 8.AUG.2026 09:34:48

NTNV-11G-Ant1-2412-2496.5~13000-PASS



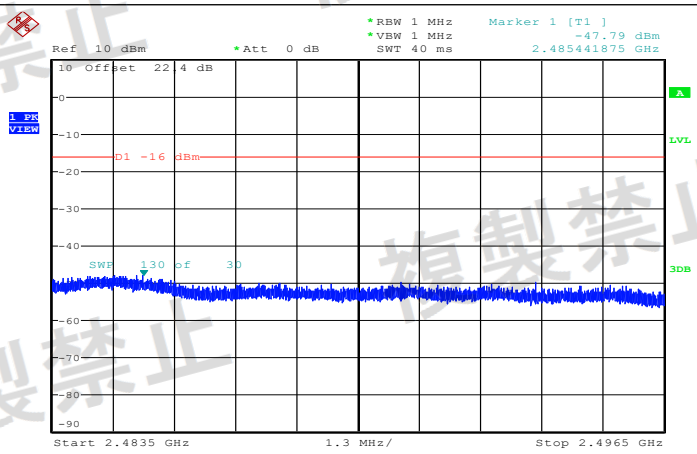
Date: 8.AUG.2026 09:36:34

NTNV-11G-Ant1-2442-30~2387-PASS



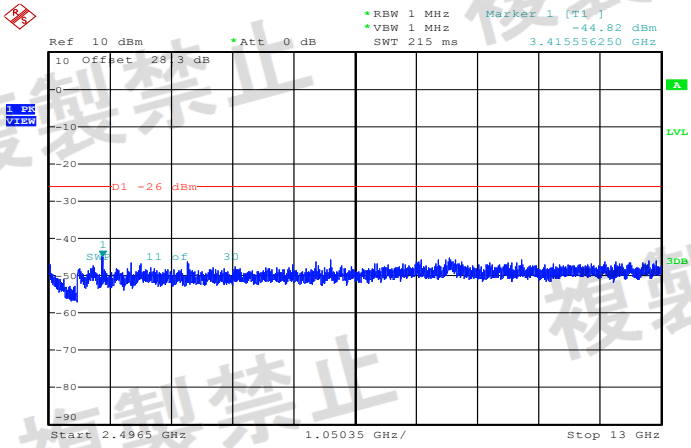
Date: 8.AUG.2026 09:36:43

NTNV-11G-Ant1-2442-2387~2400-PASS



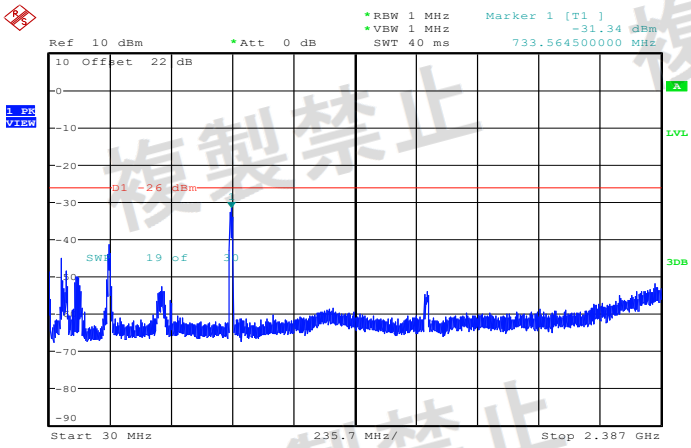
Date: 8.AUG.2026 09:36:50

NTNV-11G-Ant1-2442-2483.5~2496.5-PASS



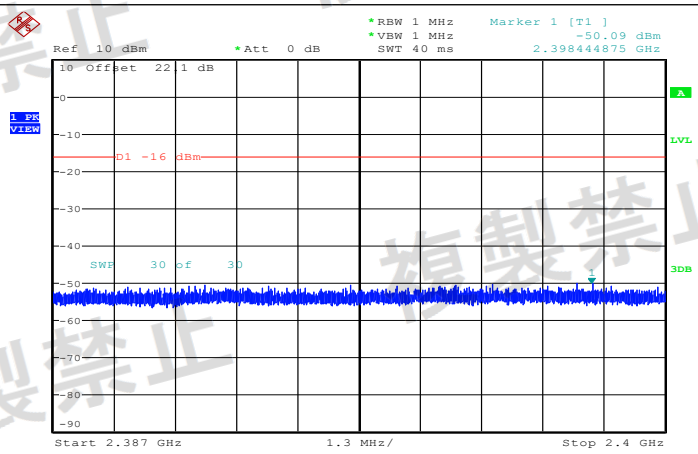
Date: 8.AUG.2026 09:37:03

NTNV-11G-Ant1-2442-2496.5~13000-PASS



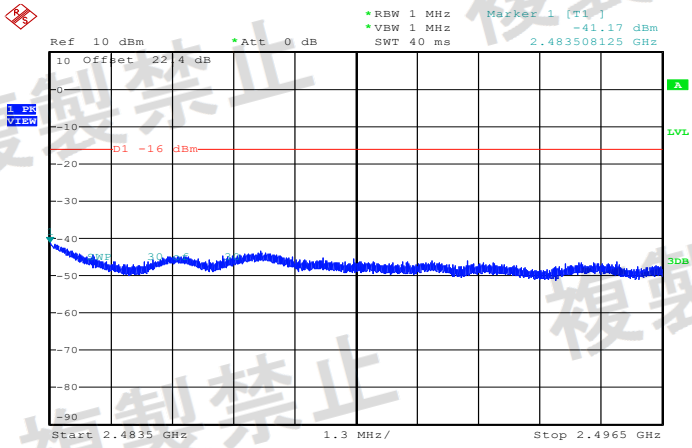
Date: 8.AUG.2026 09:38:49

NTNV-11G-Ant1-2472-30~2387-PASS



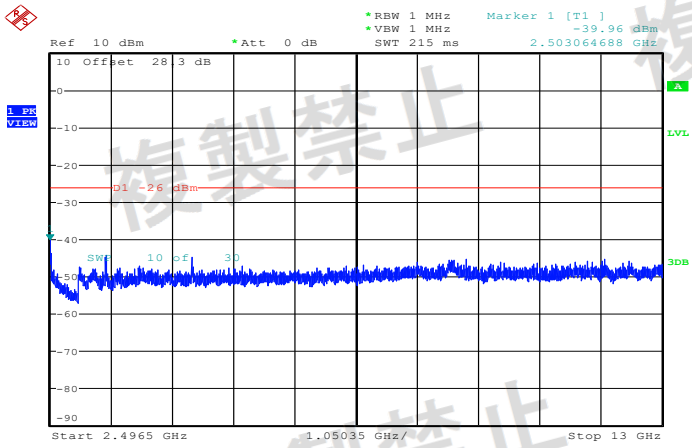
Date: 8.AUG.2026 09:38:57

NTNV-11G-Ant1-2472-2387~2400-PASS



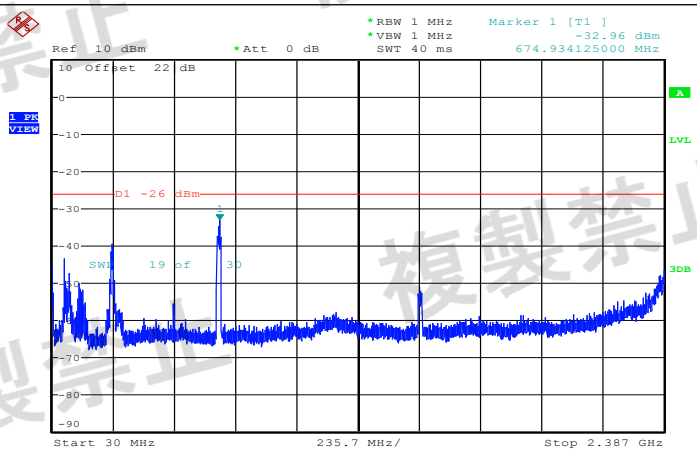
Date: 8.AUG.2026 09:39:05

NTNV-11G-Ant1-2472-2483.5~2496.5-PASS



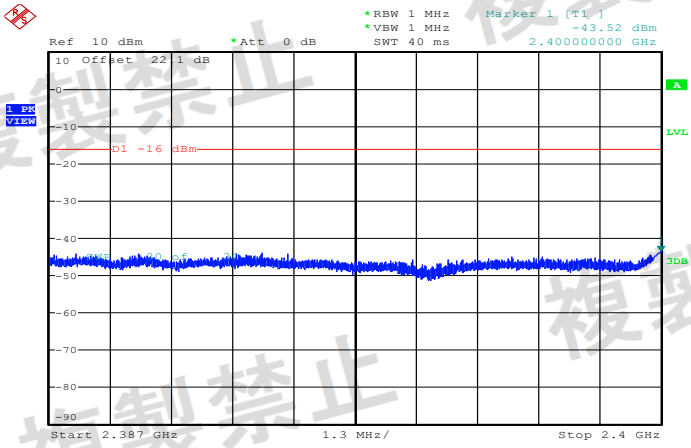
Date: 8.AUG.2026 09:39:17

NTNV-11G-Ant1-2472-2496.5~13000-PASS



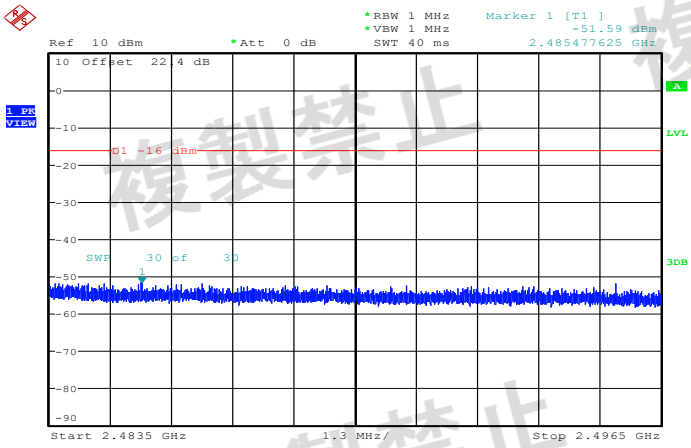
Date: 8.AUG.2026 09:40:58

NTNV-11N20SISO-Ant1-2412-30~2387-PASS



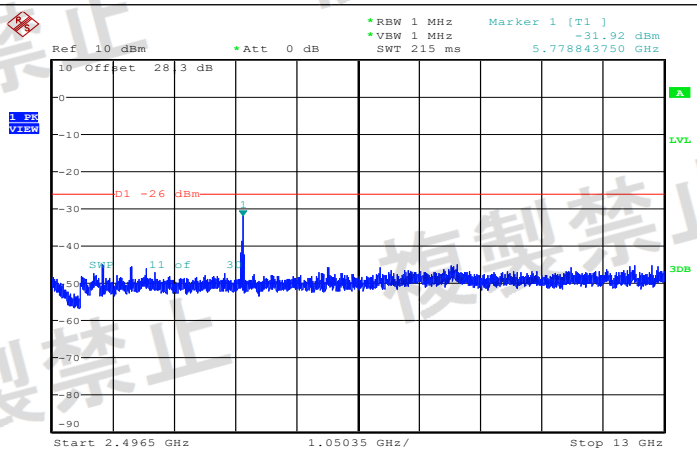
Date: 8.AUG.2026 09:41:06

NTNV-11N20SISO-Ant1-2412-2387~2400-PASS



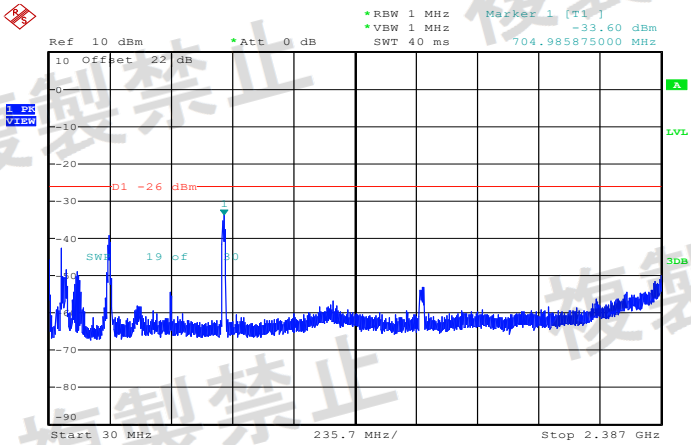
Date: 8.AUG.2026 09:41:14

NTNV-11N20SISO-Ant1-2412-2483.5~2496.5-PASS



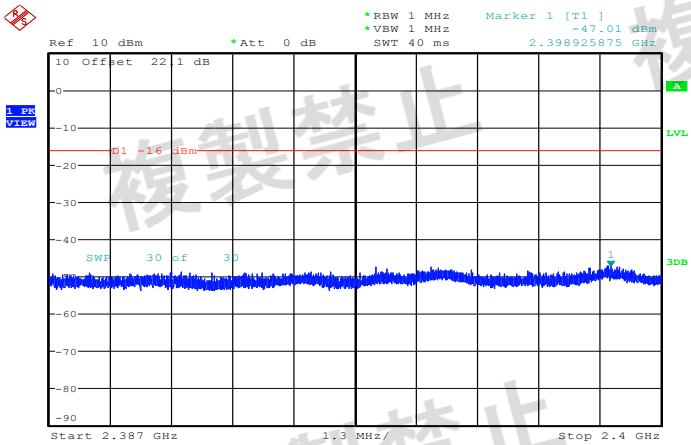
Date: 8.AUG.2026 09:41:27

NTNV-11N20SISO-Ant1-2412-2496.5~13000-PASS



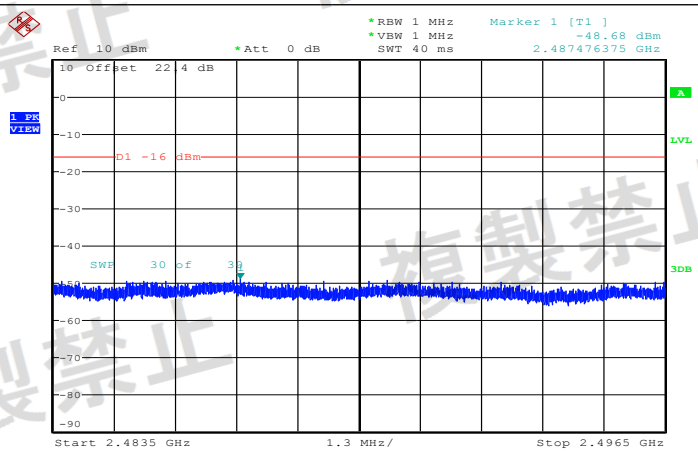
Date: 8.AUG.2026 09:43:10

NTNV-11N20SISO-Ant1-2442-30~2387-PASS



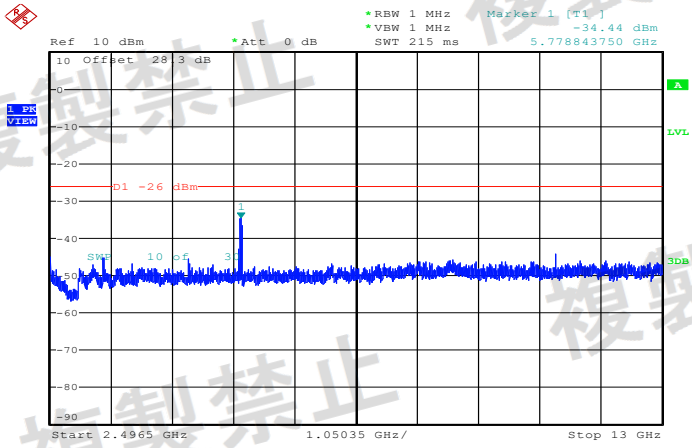
Date: 8.AUG.2026 09:43:18

NTNV-11N20SISO-Ant1-2442-2387~2400-PASS



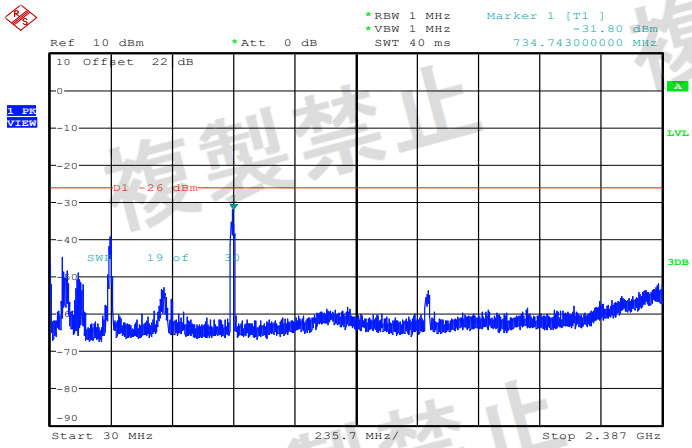
Date: 8.AUG.2026 09:43:26

NTNV-11N20SISO-Ant1-2442-2483.5~2496.5-PASS



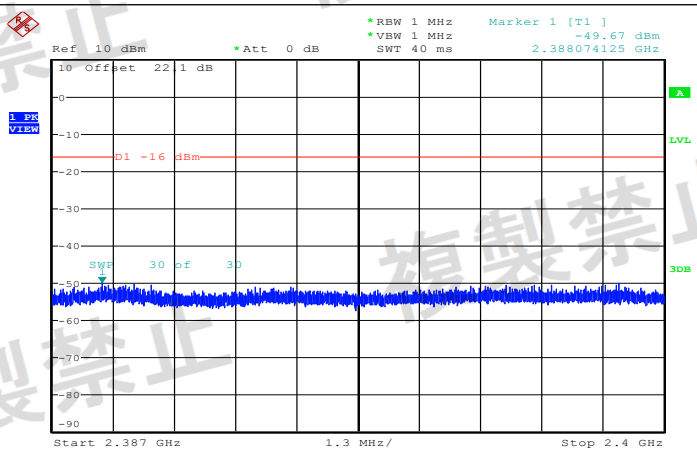
Date: 8.AUG.2026 09:43:39

NTNV-11N20SISO-Ant1-2442-2496.5~13000-PASS



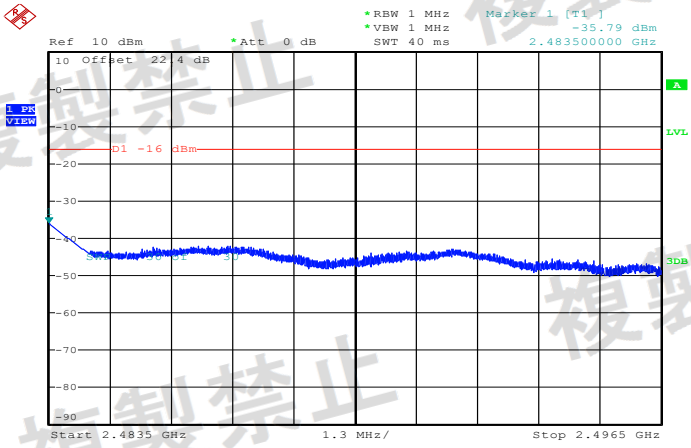
Date: 8.AUG.2026 09:45:21

NTNV-11N20SISO-Ant1-2472-30~2387-PASS



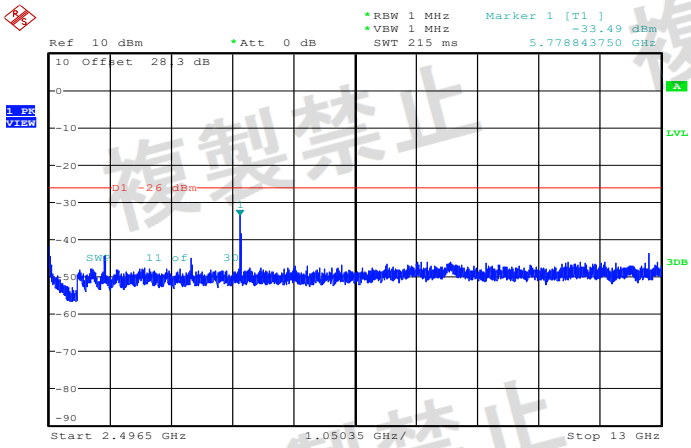
Date: 8.AUG.2026 09:45:29

NTNV-11N20SISO-Ant1-2472-2387~2400-PASS



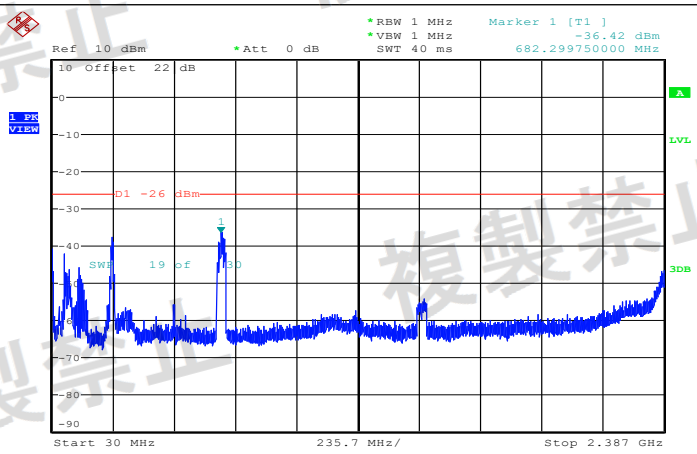
Date: 8.AUG.2026 09:45:37

NTNV-11N20SISO-Ant1-2472-2483.5~2496.5-PASS



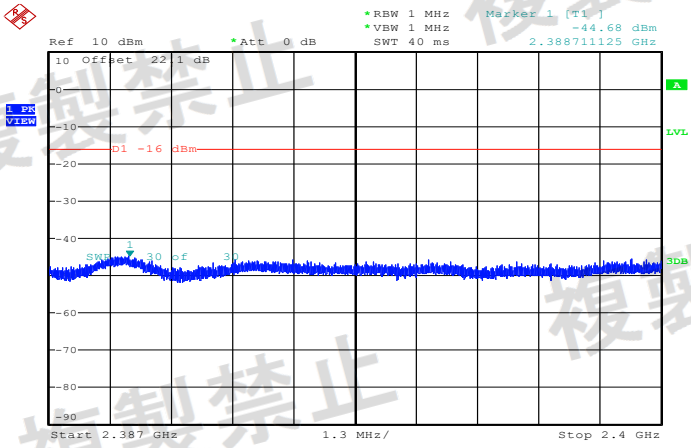
Date: 8.AUG.2026 09:45:49

NTNV-11N20SISO-Ant1-2472-2496.5~13000-PASS



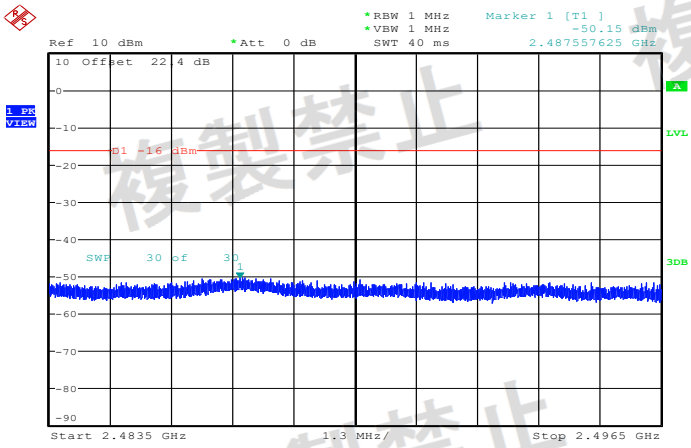
Date: 8.AUG.2026 09:47:22

NTNV-11N40SISO-Ant1-2422-30~2387-PASS



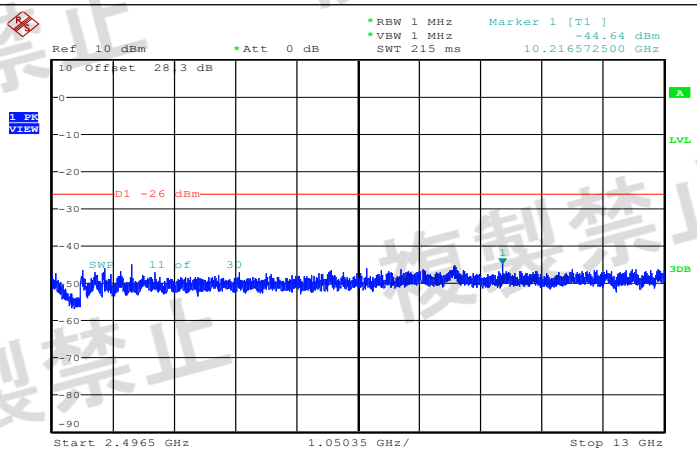
Date: 8.AUG.2026 09:47:30

NTNV-11N40SISO-Ant1-2422-2387~2400-PASS



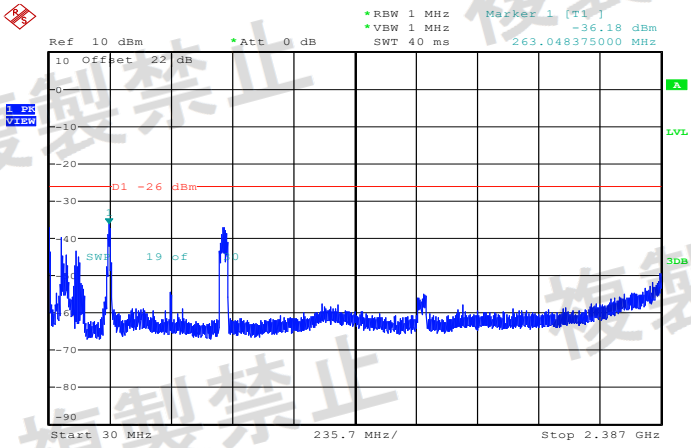
Date: 8.AUG.2026 09:47:38

NTNV-11N40SISO-Ant1-2422-2483.5~2496.5-PASS



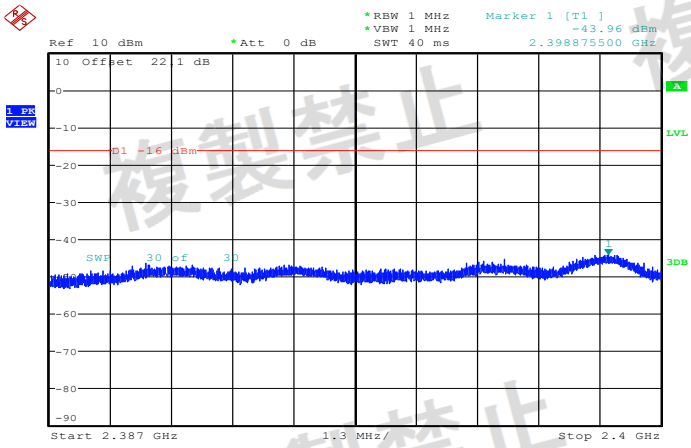
Date: 8.AUG.2026 09:47:50

NTNV-11N40SISO-Ant1-2422-2496.5~13000-PASS



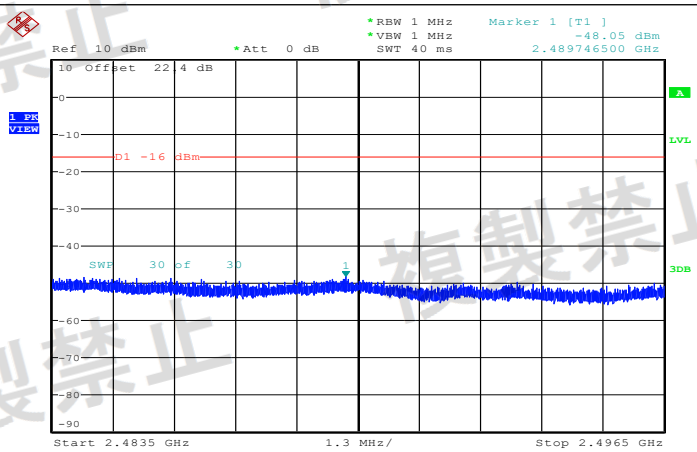
Date: 8.AUG.2026 09:49:27

NTNV-11N40SISO-Ant1-2442-30~2387-PASS

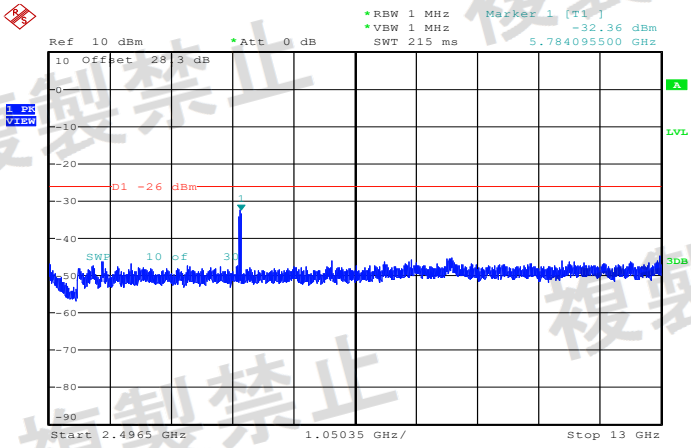


Date: 8.AUG.2026 09:49:35

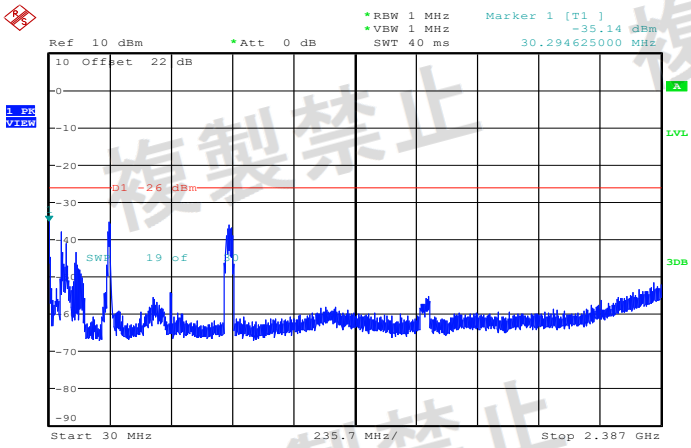
NTNV-11N40SISO-Ant1-2442-2387~2400-PASS



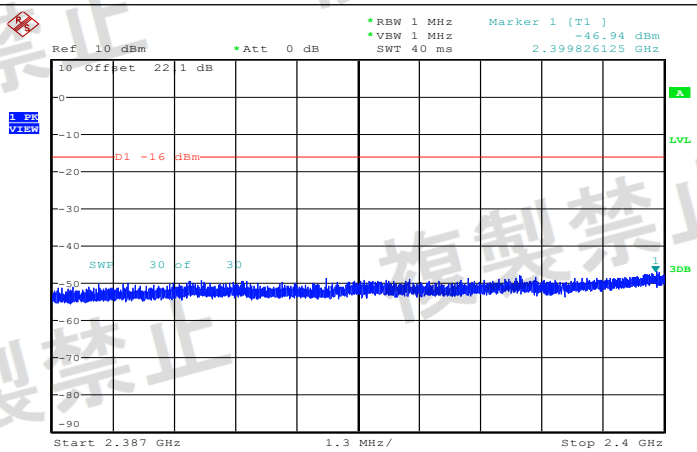
NTNV-11N40SISO-Ant1-2442-2483.5~2496.5-PASS



NTNV-11N40SISO-Ant1-2442-2496.5~13000-PASS

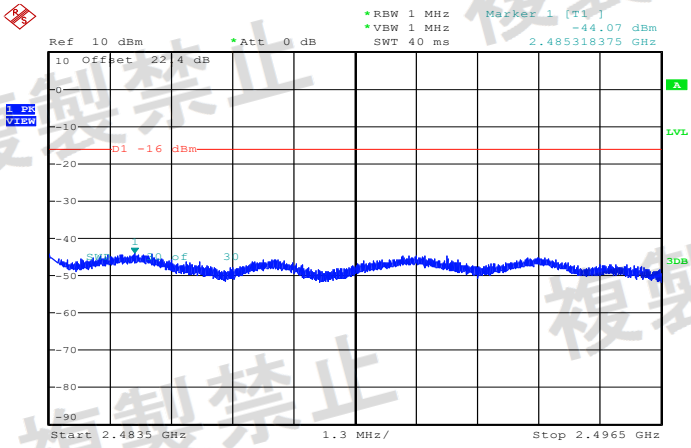


NTNV-11N40SISO-Ant1-2462-30~2387-PASS



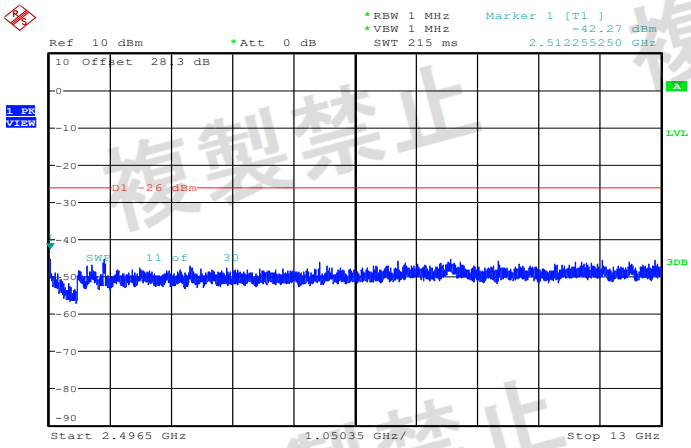
Date: 8.AUG.2026 09:51:55

NTNV-11N40SISO-Ant1-2462-2387~2400-PASS



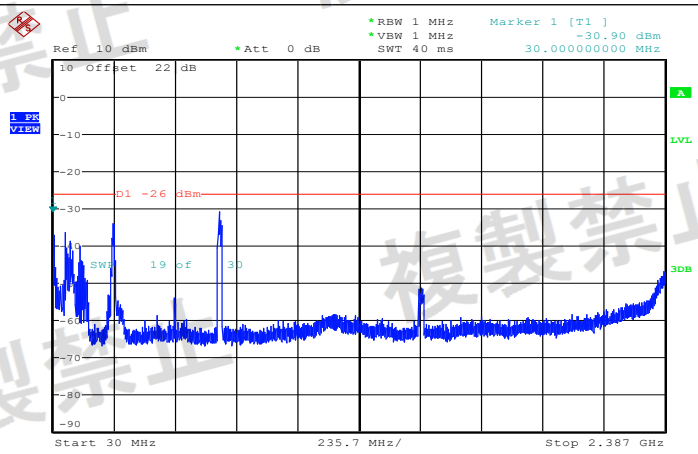
Date: 8.AUG.2026 09:52:03

NTNV-11N40SISO-Ant1-2462-2483.5~2496.5-PASS



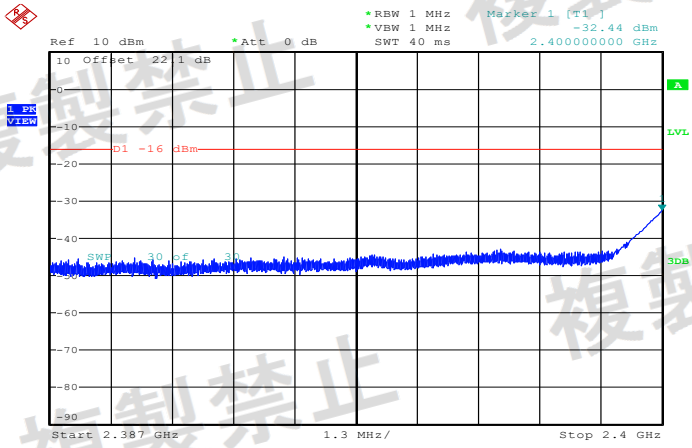
Date: 8.AUG.2026 09:52:15

NTNV-11N40SISO-Ant1-2462-2496.5~13000-PASS



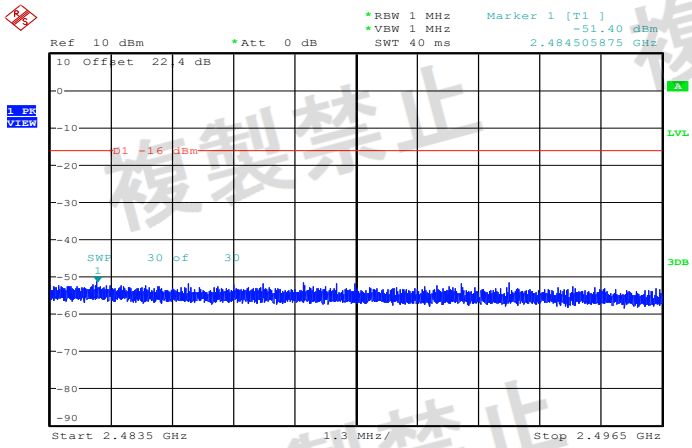
Date: 8.AUG.2026 09:54:10

NTNV-11AX20SISO-Ant1-2412-30~2387-PASS



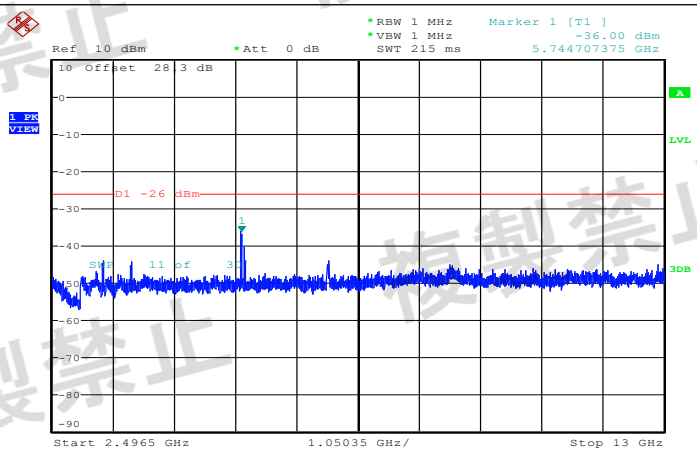
Date: 8.AUG.2026 09:54:18

NTNV-11AX20SISO-Ant1-2412-2387~2400-PASS



Date: 8.AUG.2026 09:54:26

NTNV-11AX20SISO-Ant1-2412-2483.5~2496.5-PASS



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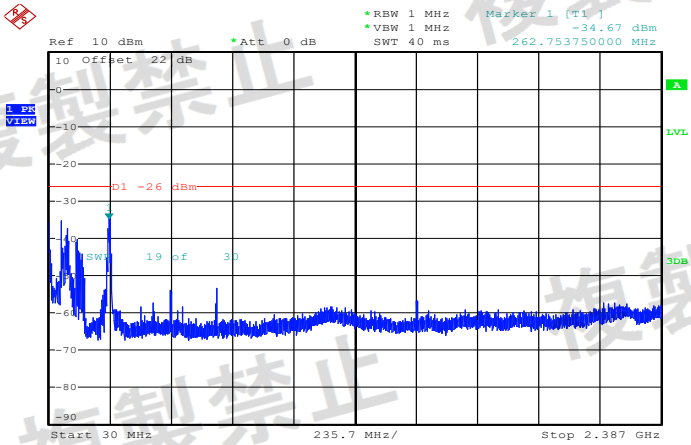
NTNV-11AX20SISO-Ant1-2412-2496.5~13000-PASS



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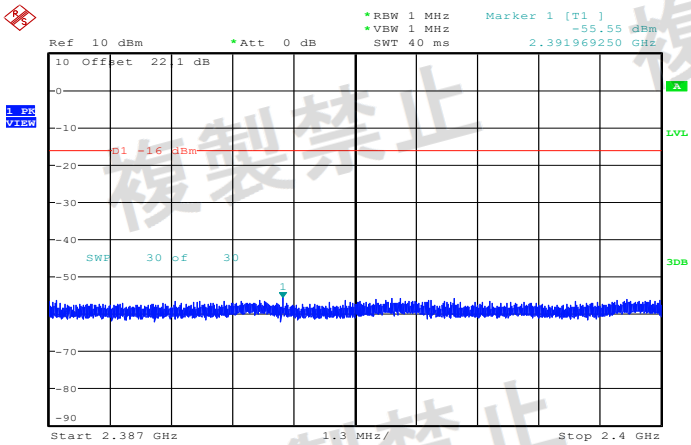
NTNV-11AX20SISO-Ant1-2442-30~2387-PASS



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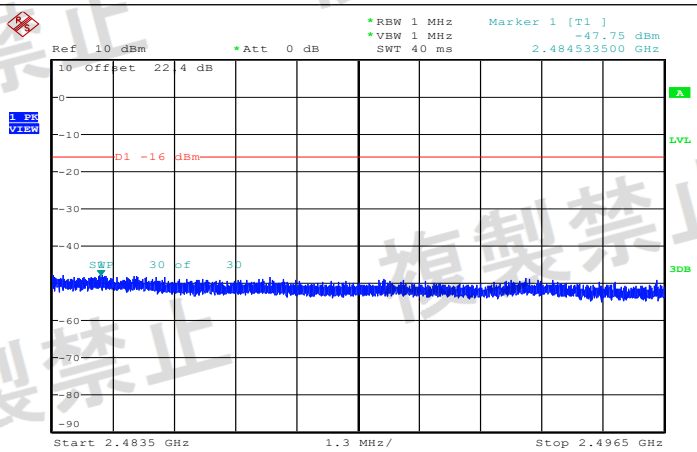

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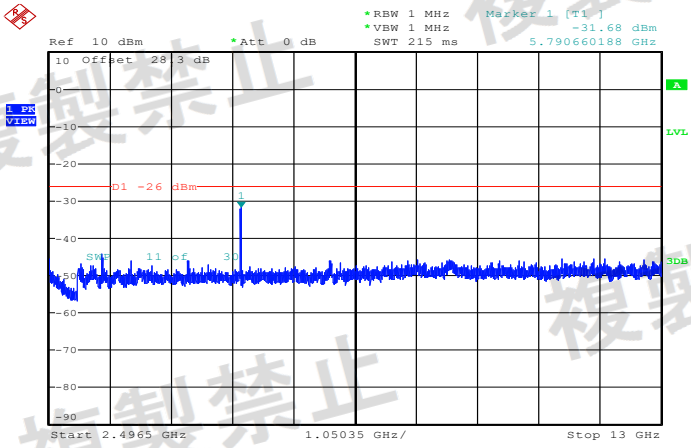

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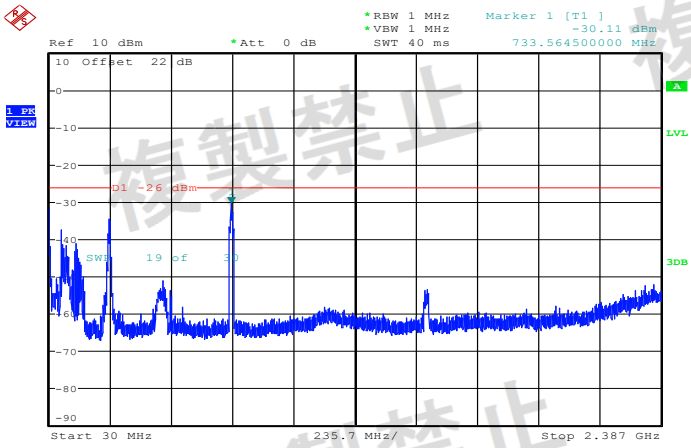

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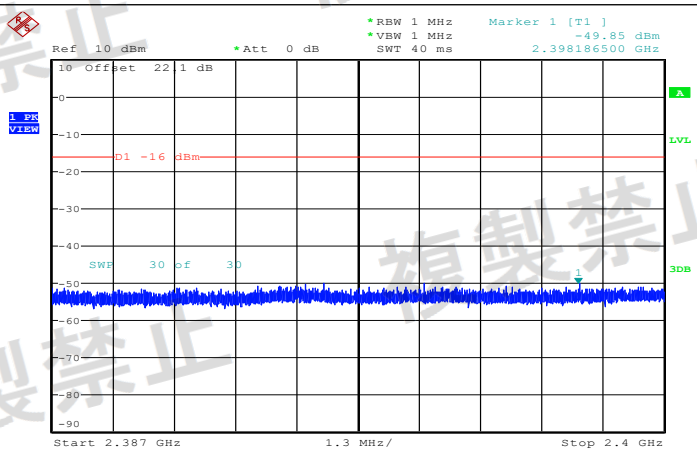

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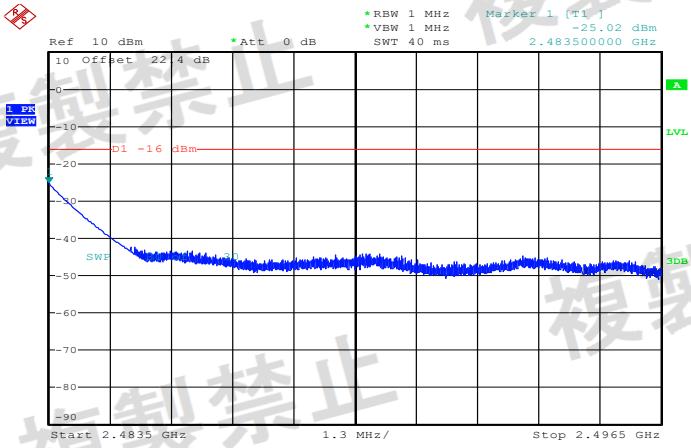

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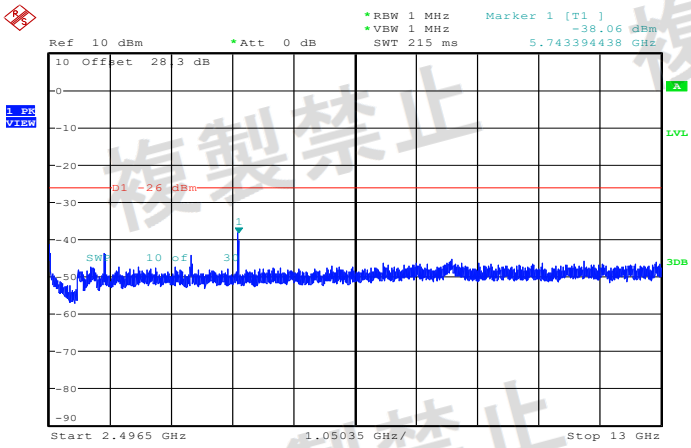

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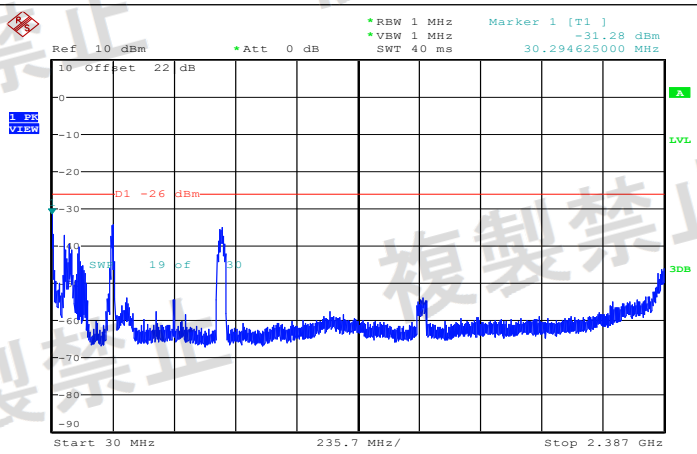

Date: 8.AUG.2026 10:02:52

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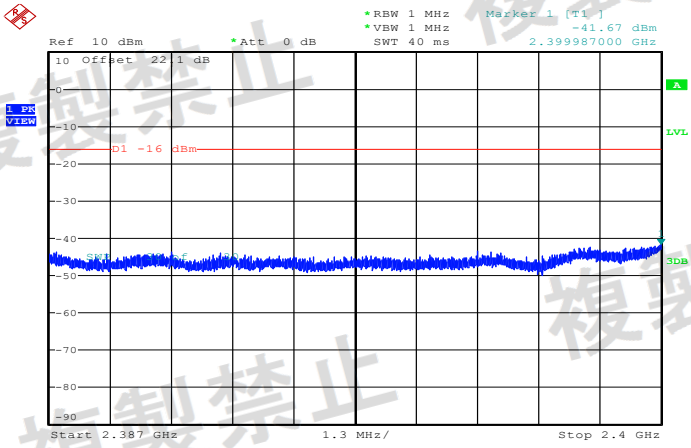

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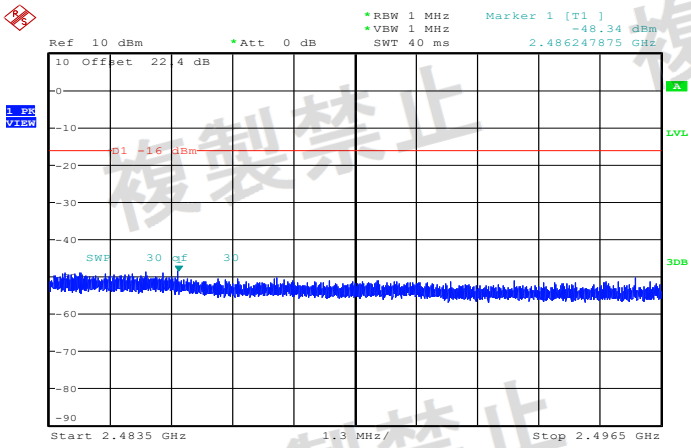

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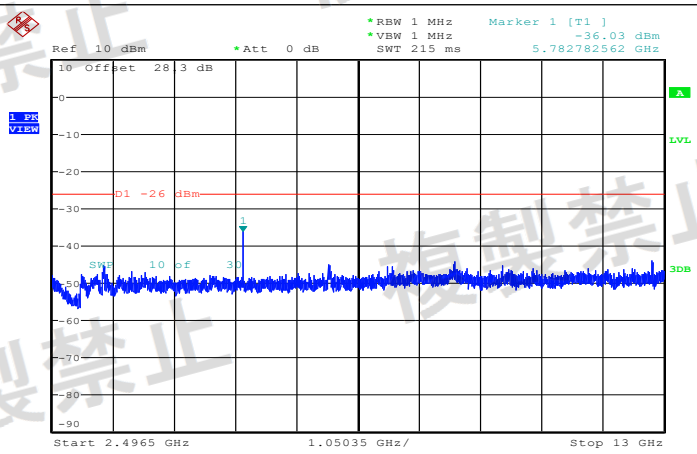

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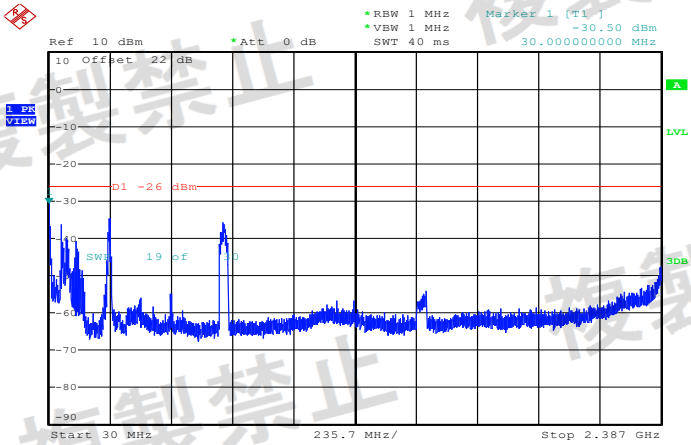

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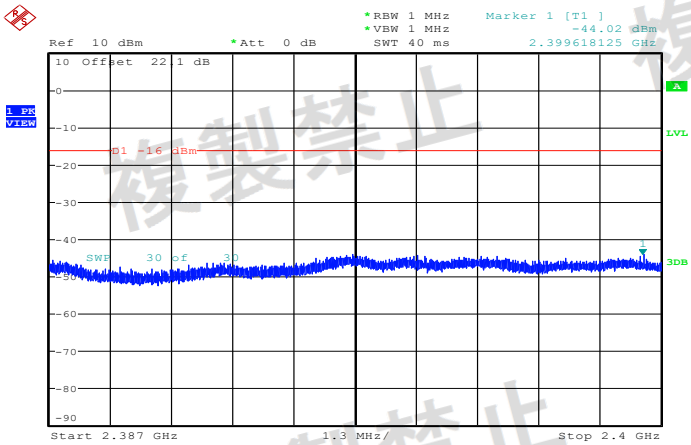

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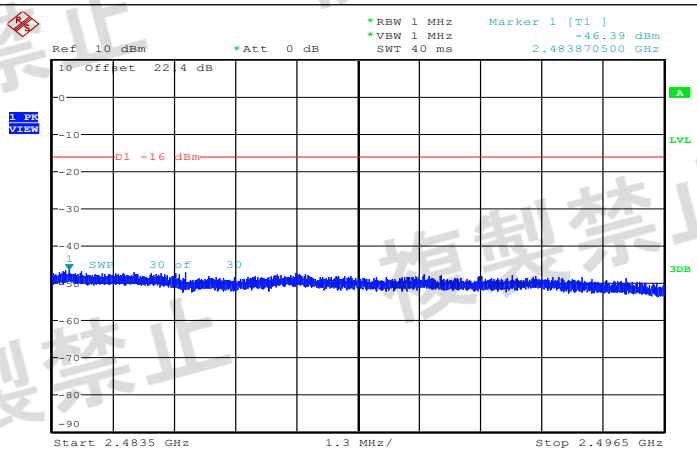

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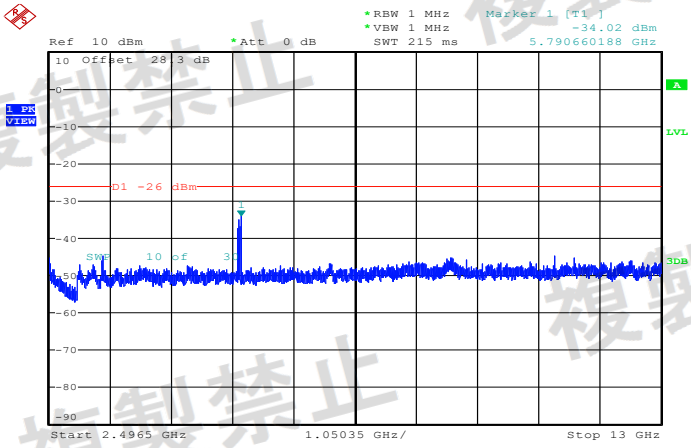

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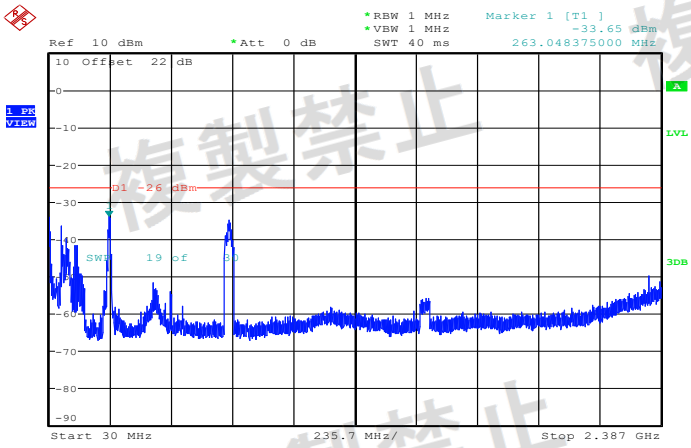

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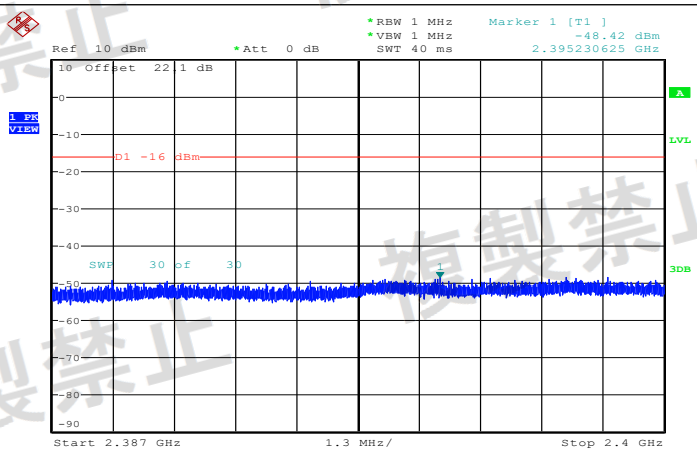

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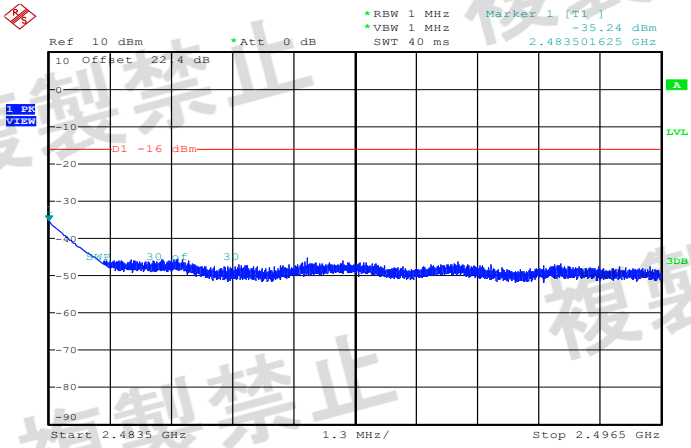

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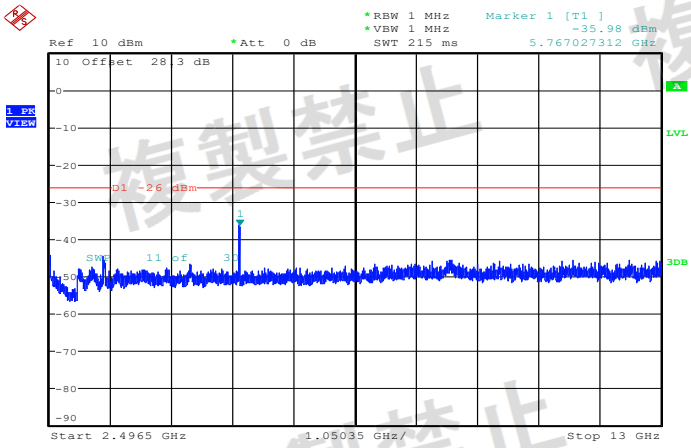
NTNV-11AX40SISO-Ant1-2462-2483.5~2496.5-PASS



Date: 8.AUG.2026 10:07:46

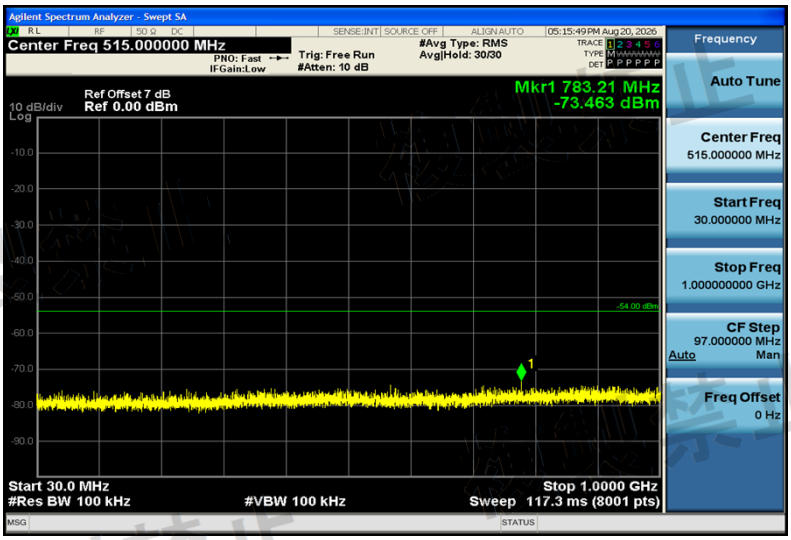
NTNV-11AX40SISO-Ant1-2462-2496.5~13000-PASS

Appendix B: Spurious Emission of RX

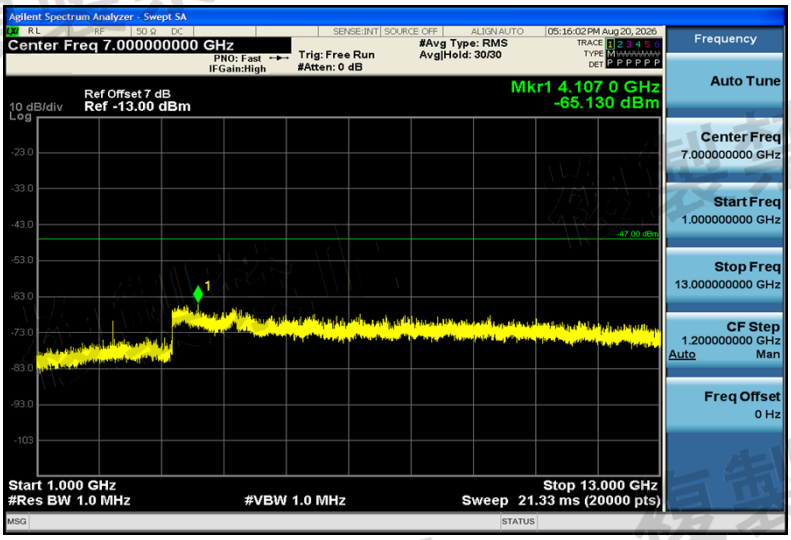
Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2412	30~1000	-73.46	≤-54	0.04508	≤4	PASS
NTNV	11B	Ant1	2412	1000~13000	-65.13	≤-47	0.30690	≤20	PASS
NTNV	11B	Ant1	2442	30~1000	-73.99	≤-54	0.03990	≤4	PASS
NTNV	11B	Ant1	2442	1000~13000	-64.19	≤-47	0.38107	≤20	PASS
NTNV	11B	Ant1	2472	30~1000	-73.28	≤-54	0.04699	≤4	PASS
NTNV	11B	Ant1	2472	1000~13000	-59.12	≤-47	1.22462	≤20	PASS
NTNV	11G	Ant1	2412	30~1000	-73.86	≤-54	0.04111	≤4	PASS
NTNV	11G	Ant1	2412	1000~13000	-58.40	≤-47	1.44544	≤20	PASS
NTNV	11G	Ant1	2442	30~1000	-73.69	≤-54	0.04276	≤4	PASS
NTNV	11G	Ant1	2442	1000~13000	-61.51	≤-47	0.70632	≤20	PASS
NTNV	11G	Ant1	2472	30~1000	-74.36	≤-54	0.03664	≤4	PASS
NTNV	11G	Ant1	2472	1000~13000	-65.27	≤-47	0.29717	≤20	PASS
NTNV	11N20SISO	Ant1	2412	30~1000	-73.51	≤-54	0.04457	≤4	PASS
NTNV	11N20SISO	Ant1	2412	1000~13000	-60.65	≤-47	0.86099	≤20	PASS
NTNV	11N20SISO	Ant1	2442	30~1000	-73.54	≤-54	0.04426	≤4	PASS
NTNV	11N20SISO	Ant1	2442	1000~13000	-60.79	≤-47	0.83368	≤20	PASS
NTNV	11N20SISO	Ant1	2472	30~1000	-73.94	≤-54	0.04036	≤4	PASS
NTNV	11N20SISO	Ant1	2472	1000~13000	-60.95	≤-47	0.80353	≤20	PASS
NTNV	11N40SISO	Ant1	2422	30~1000	-73.50	≤-54	0.04467	≤4	PASS
NTNV	11N40SISO	Ant1	2422	1000~13000	-64.77	≤-47	0.33343	≤20	PASS
NTNV	11N40SISO	Ant1	2442	30~1000	-73.44	≤-54	0.04529	≤4	PASS
NTNV	11N40SISO	Ant1	2442	1000~13000	-62.16	≤-47	0.60814	≤20	PASS
NTNV	11N40SISO	Ant1	2462	30~1000	-73.47	≤-54	0.04498	≤4	PASS
NTNV	11N40SISO	Ant1	2462	1000~13000	-65.17	≤-47	0.30409	≤20	PASS
NTNV	11AX20SISO	Ant1	2412	30~1000	-73.53	≤-54	0.04436	≤4	PASS
NTNV	11AX20SISO	Ant1	2412	1000~13000	-59.71	≤-47	1.06905	≤20	PASS
NTNV	11AX20SISO	Ant1	2442	30~1000	-73.51	≤-54	0.04457	≤4	PASS
NTNV	11AX20SISO	Ant1	2442	1000~13000	-64.93	≤-47	0.32137	≤20	PASS
NTNV	11AX20SISO	Ant1	2472	30~1000	-73.87	≤-54	0.04102	≤4	PASS
NTNV	11AX20SISO	Ant1	2472	1000~13000	-64.87	≤-47	0.32584	≤20	PASS
NTNV	11AX40SISO	Ant1	2422	30~1000	-74.07	≤-54	0.03917	≤4	PASS
NTNV	11AX40SISO	Ant1	2422	1000~13000	-65.55	≤-47	0.27861	≤20	PASS
NTNV	11AX40SISO	Ant1	2442	30~1000	-74.14	≤-54	0.03855	≤4	PASS
NTNV	11AX40SISO	Ant1	2442	1000~13000	-60.34	≤-47	0.92470	≤20	PASS
NTNV	11AX40SISO	Ant1	2462	30~1000	-73.79	≤-54	0.04178	≤4	PASS
NTNV	11AX40SISO	Ant1	2462	1000~13000	-60.27	≤-47	0.93972	≤20	PASS

Test Graphs



NTNV-11B-Ant1-2412-30~1000-PASS



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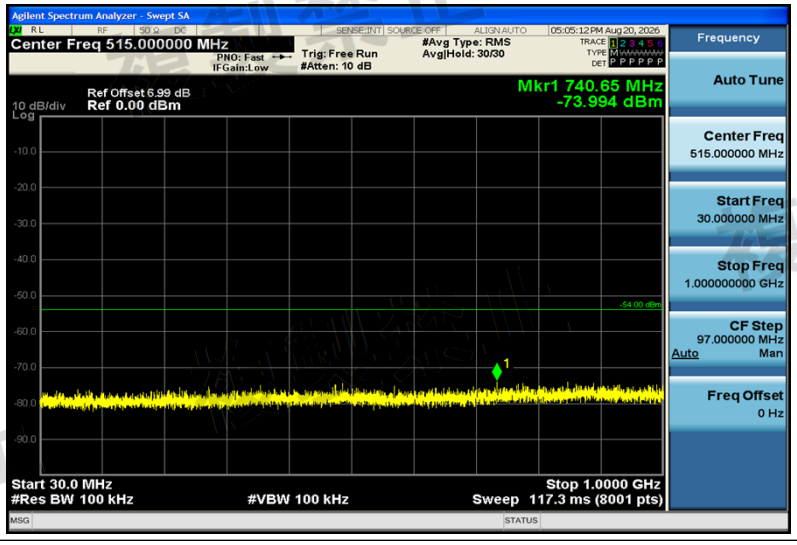

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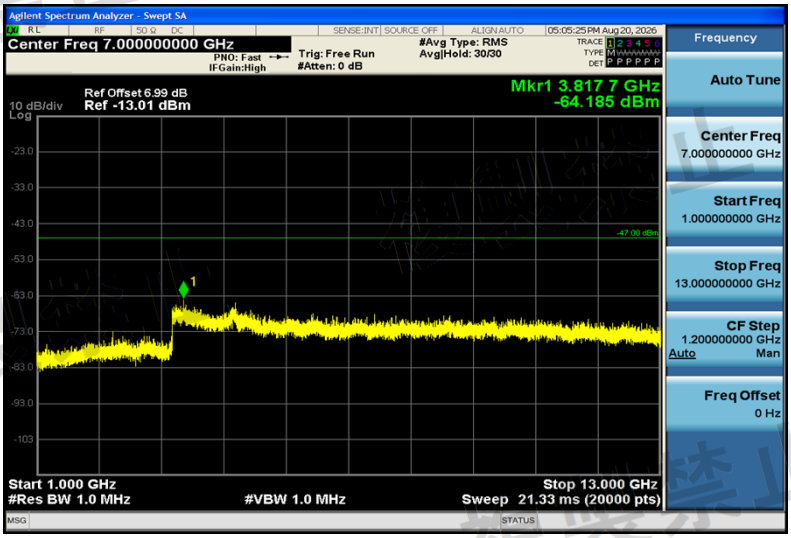

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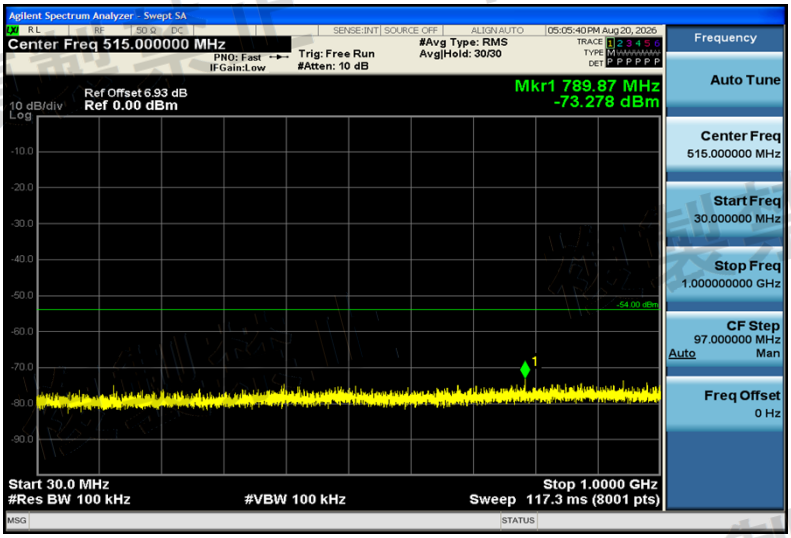

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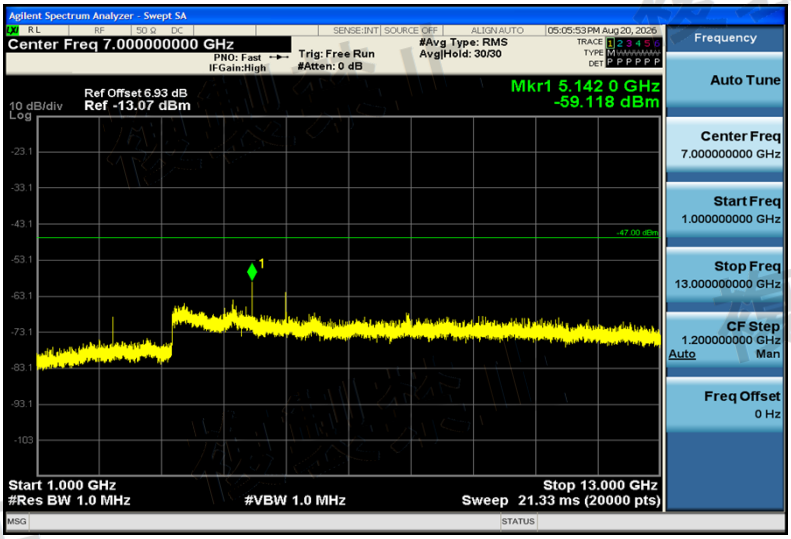

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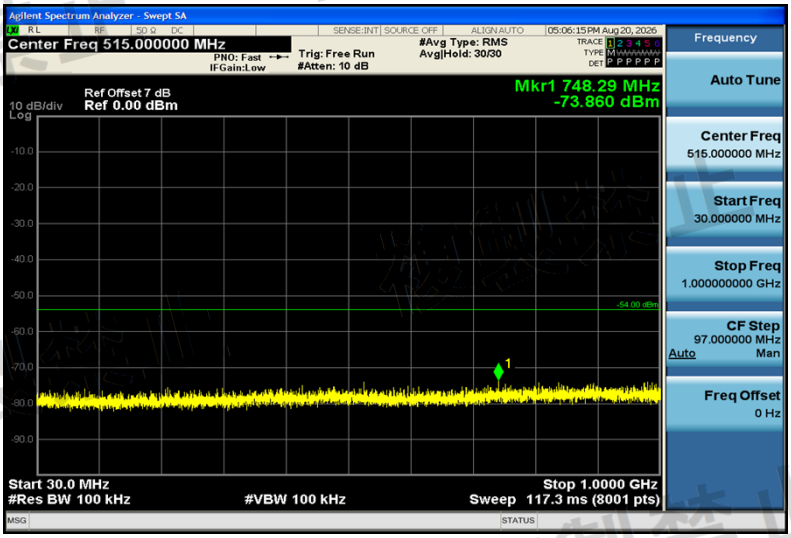

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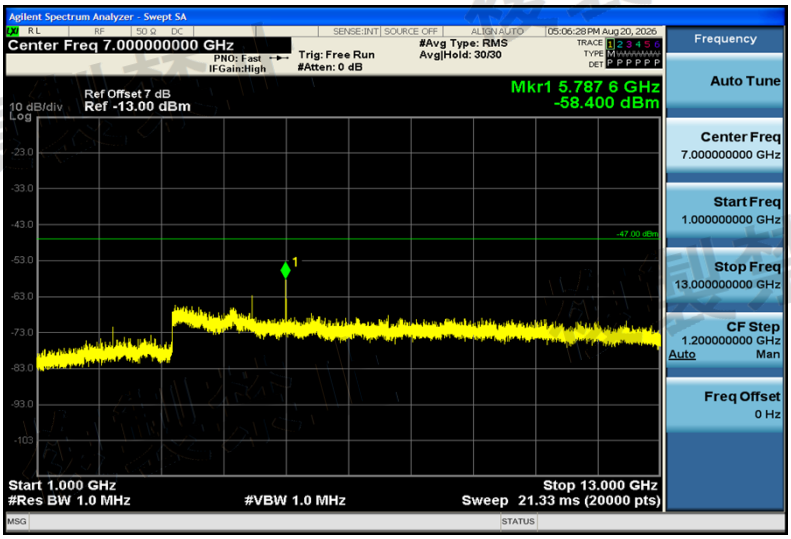

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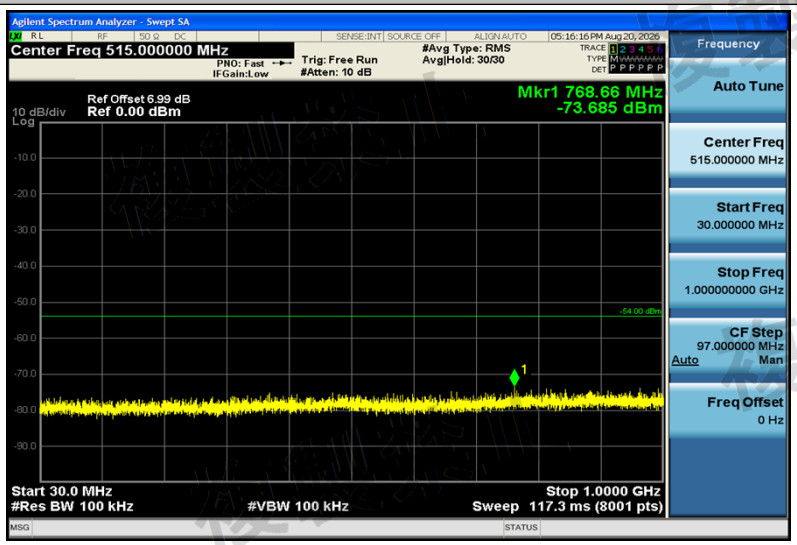

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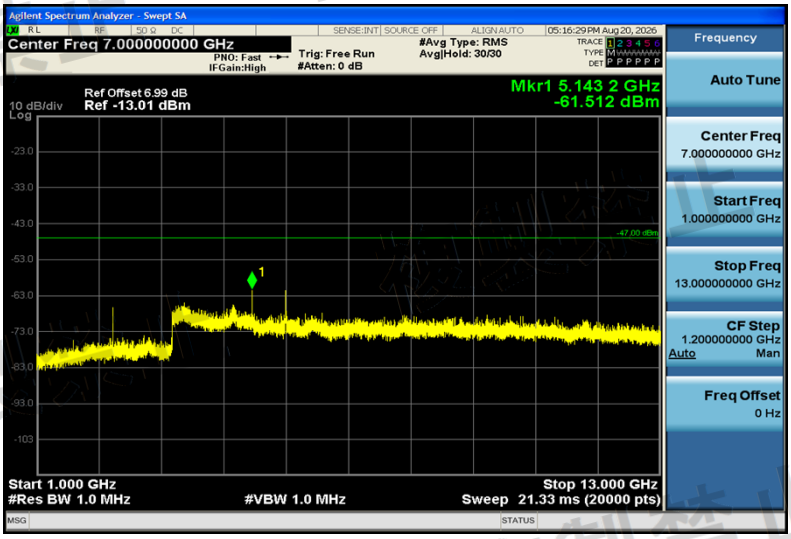

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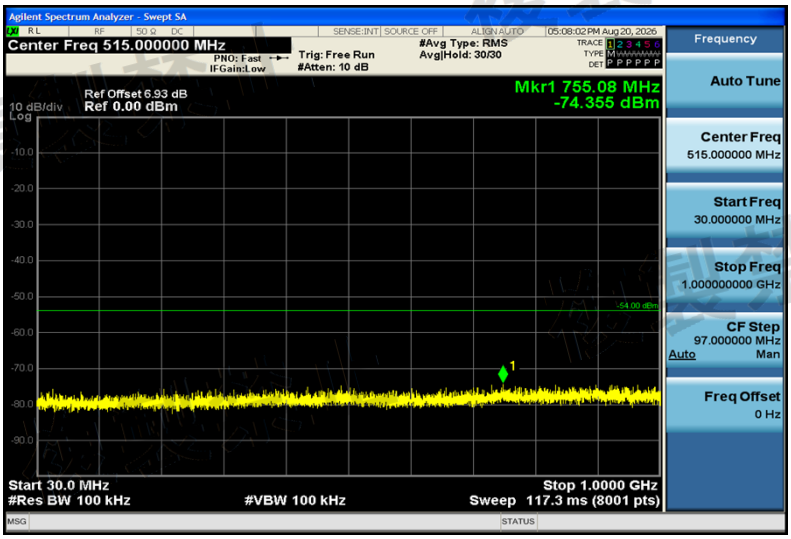

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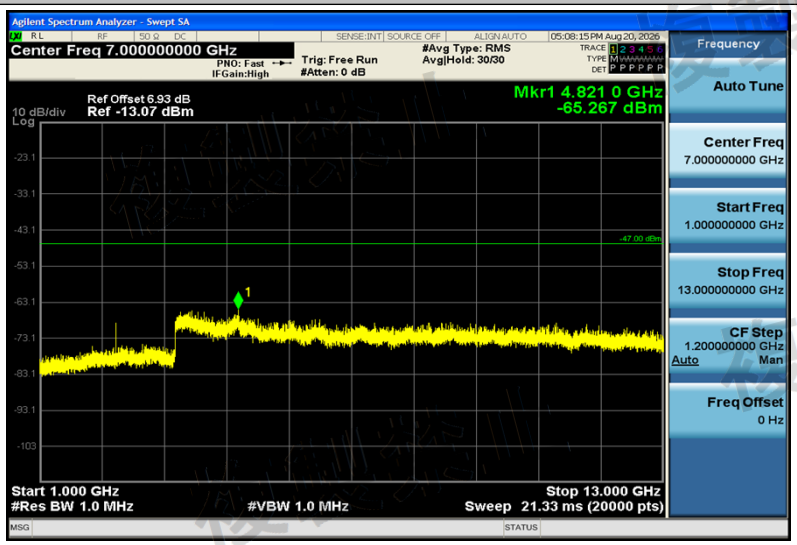

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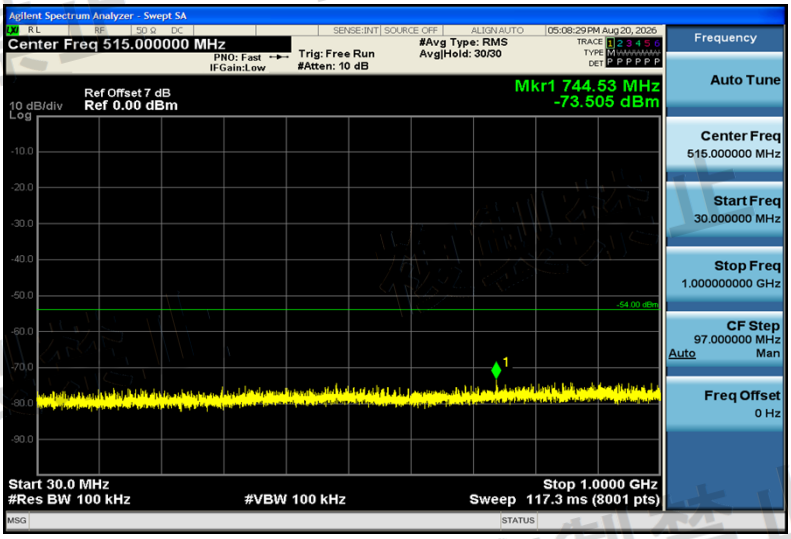

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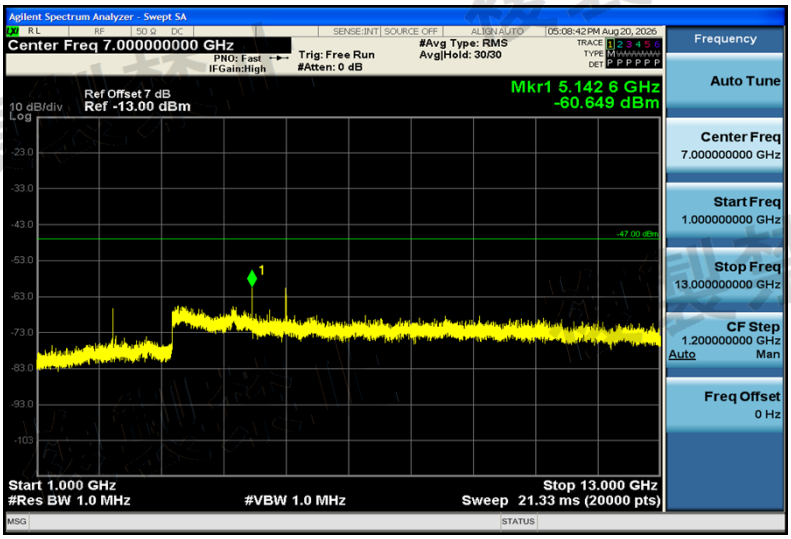

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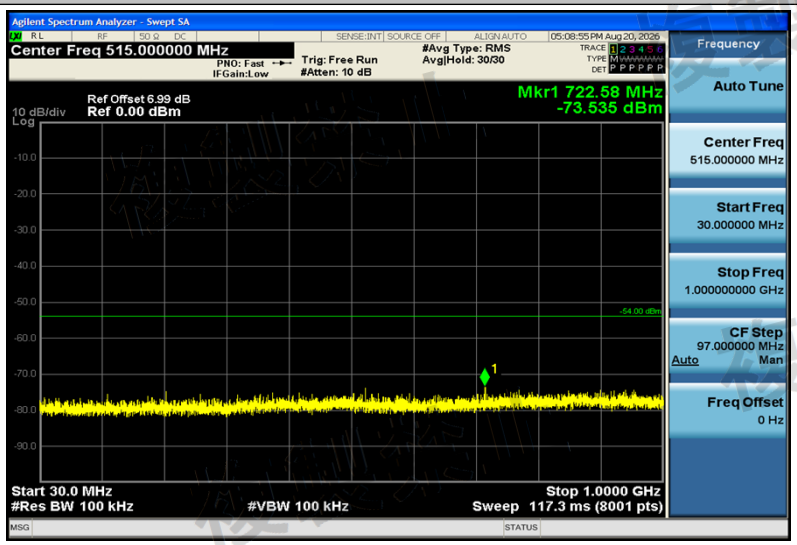

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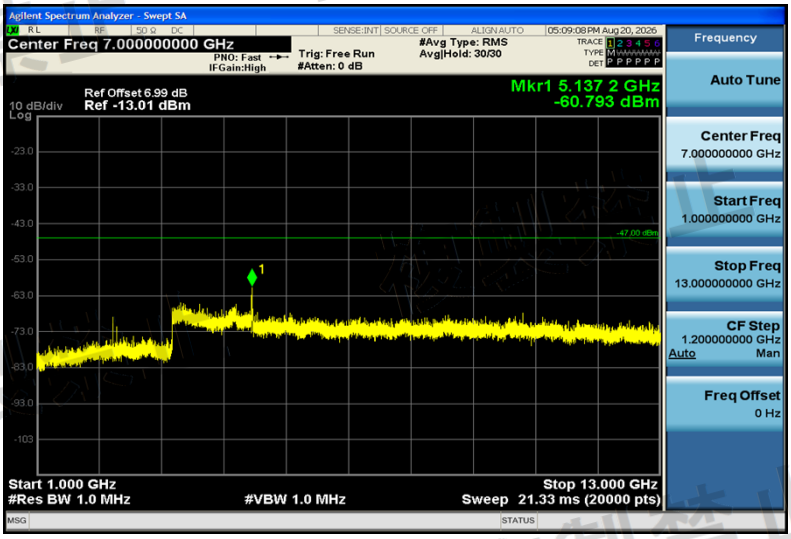

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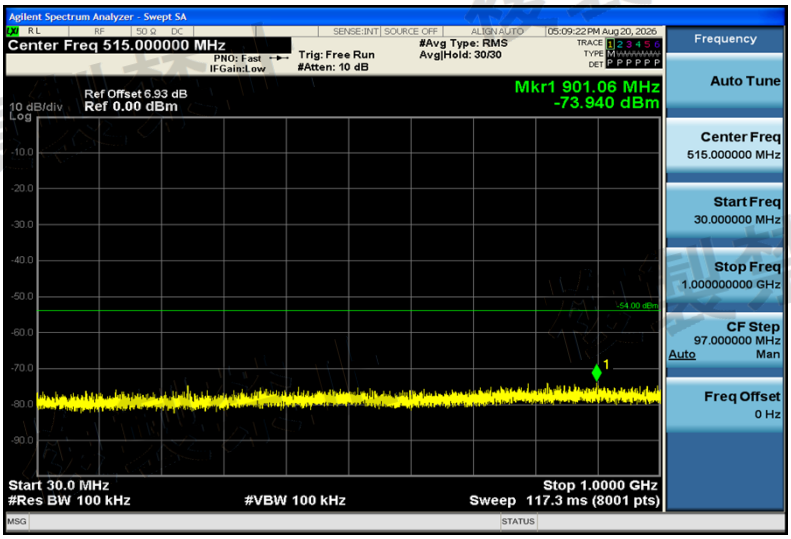
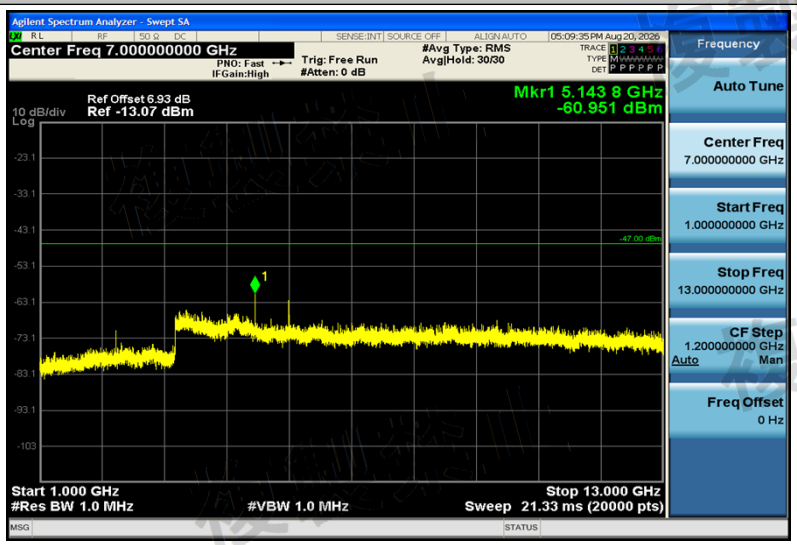
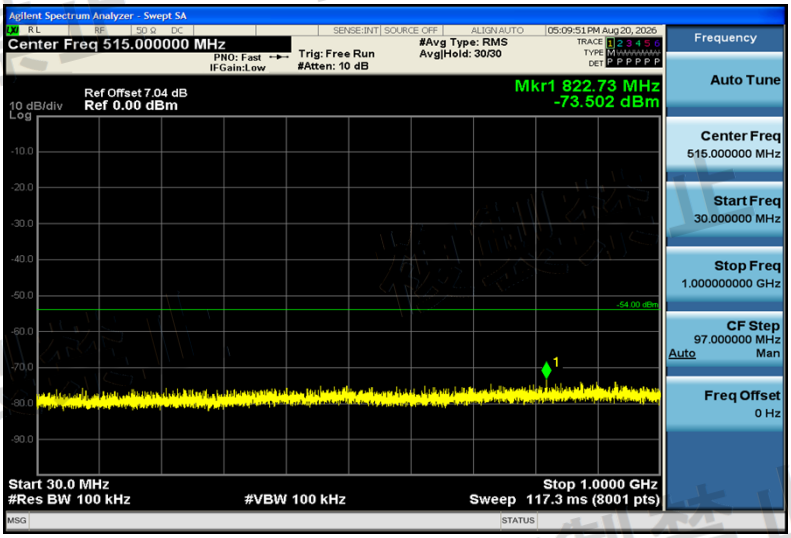


NTNV-11N20SISO-Ant1-2472-30~1000-PASS



NTNV-11N20SISO-Ant1-2472-1000~13000-PASS



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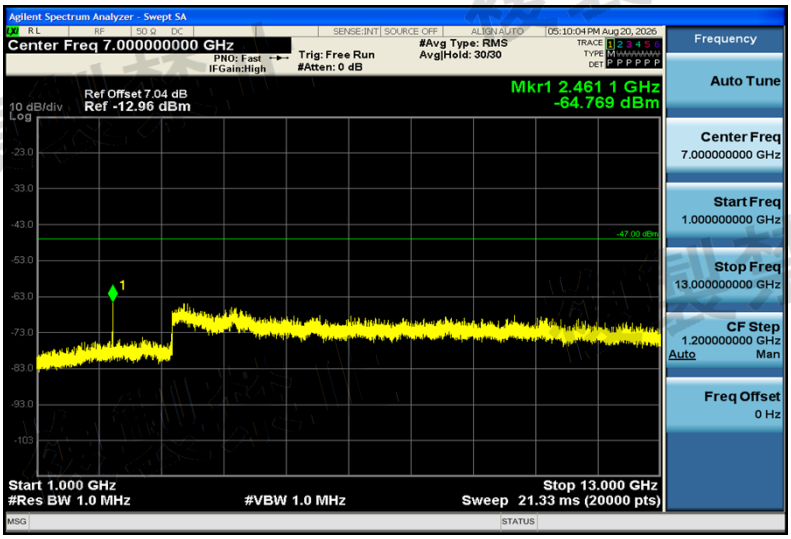

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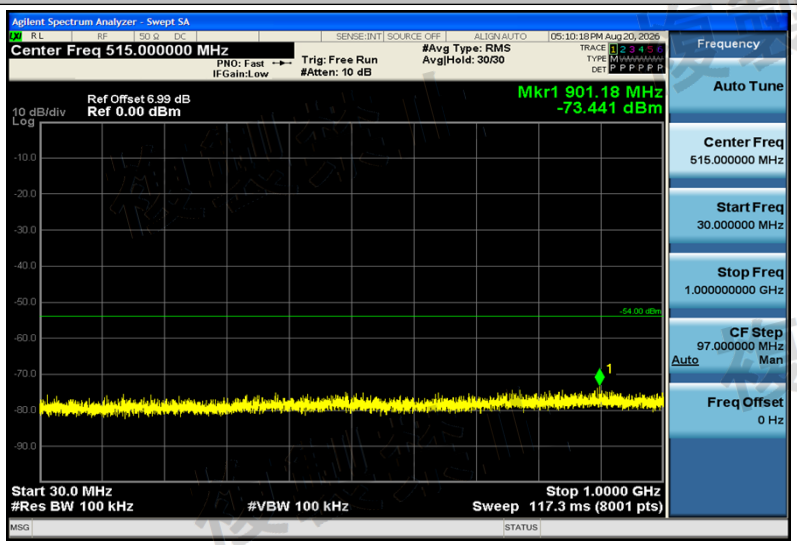

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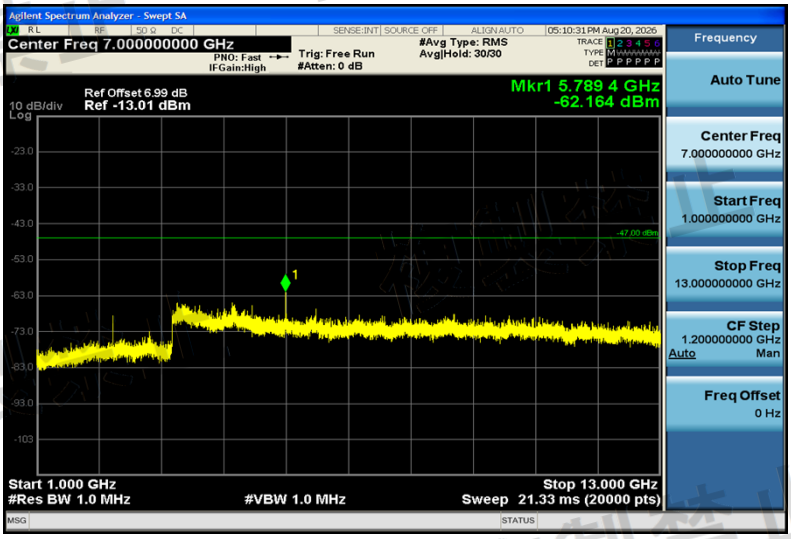

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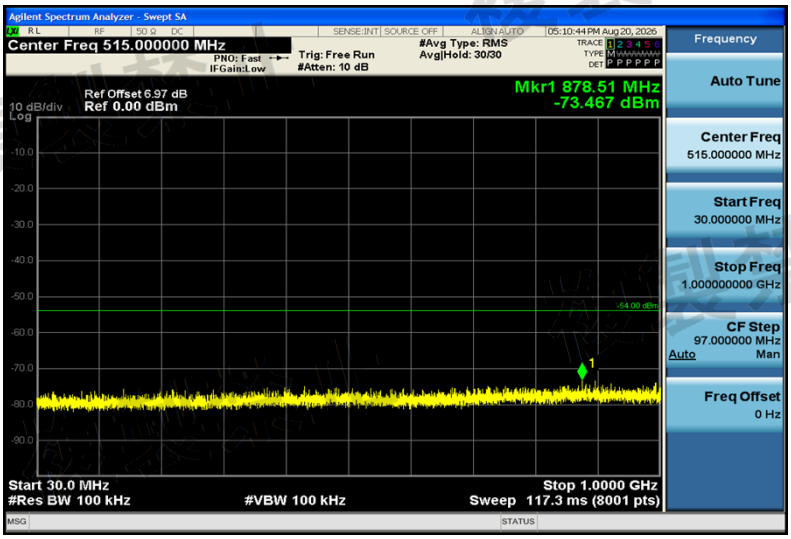

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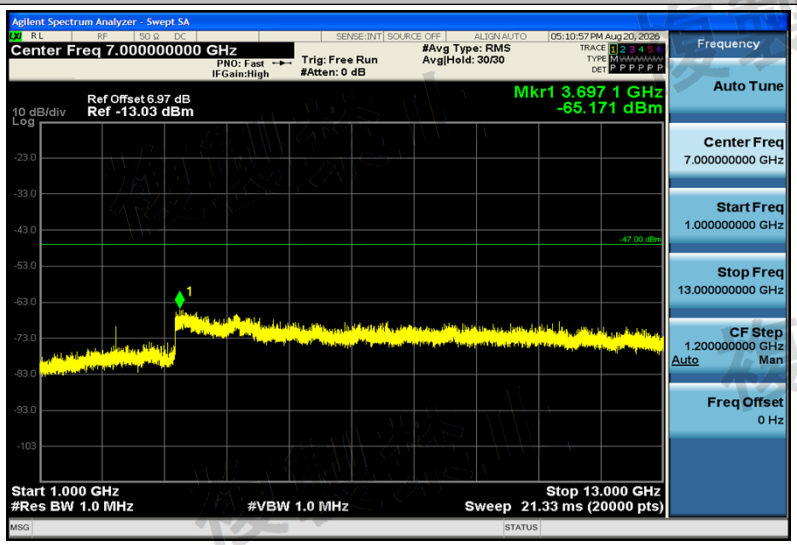

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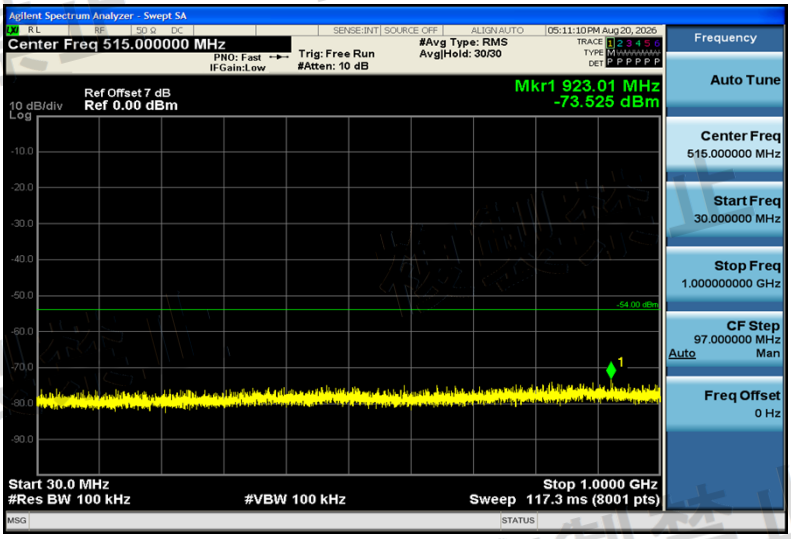

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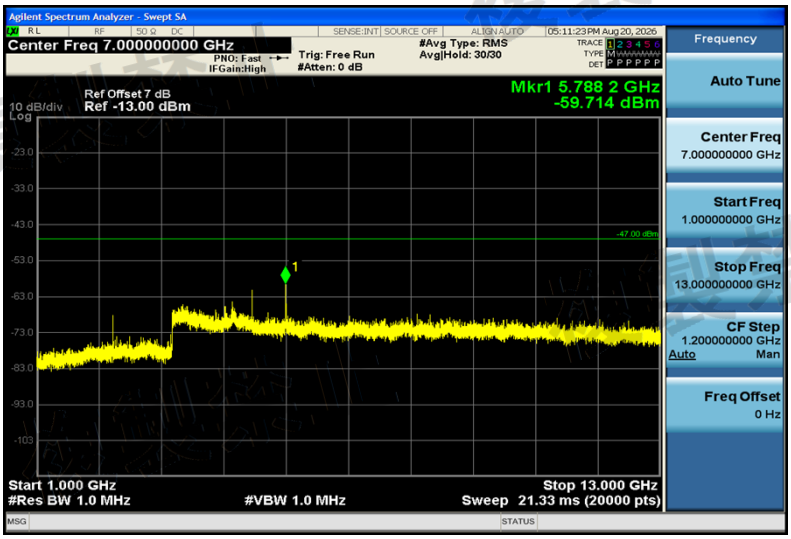

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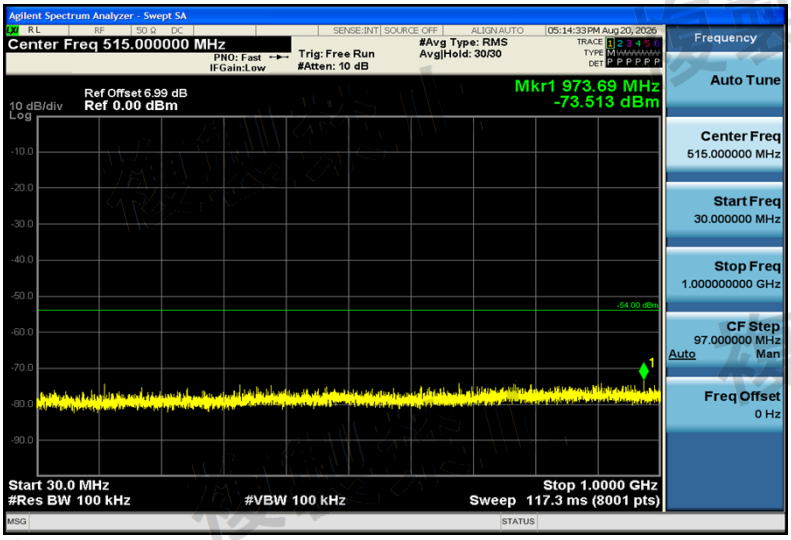

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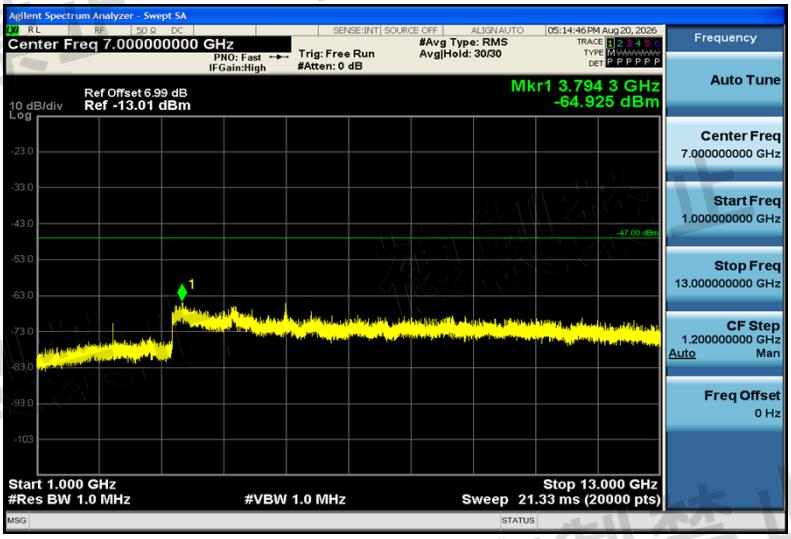

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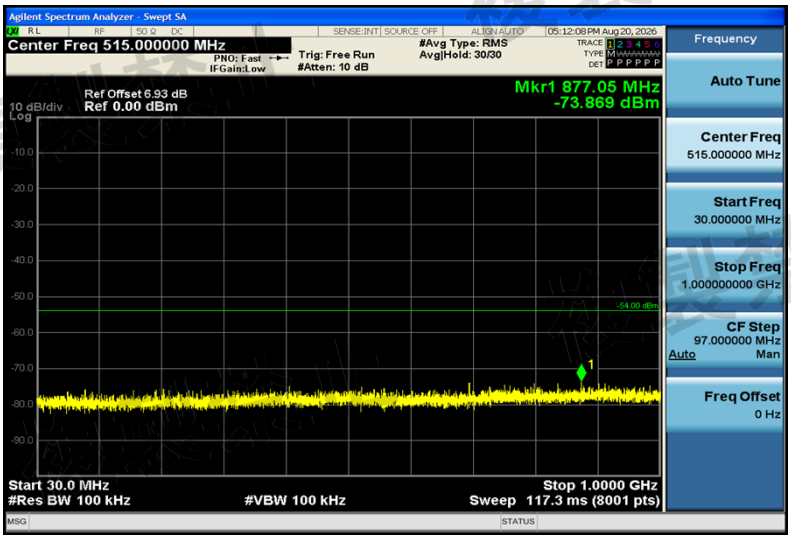

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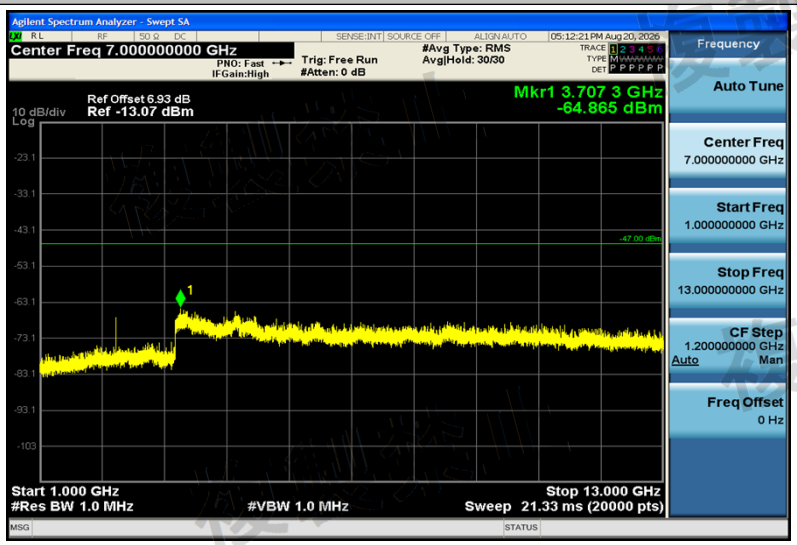

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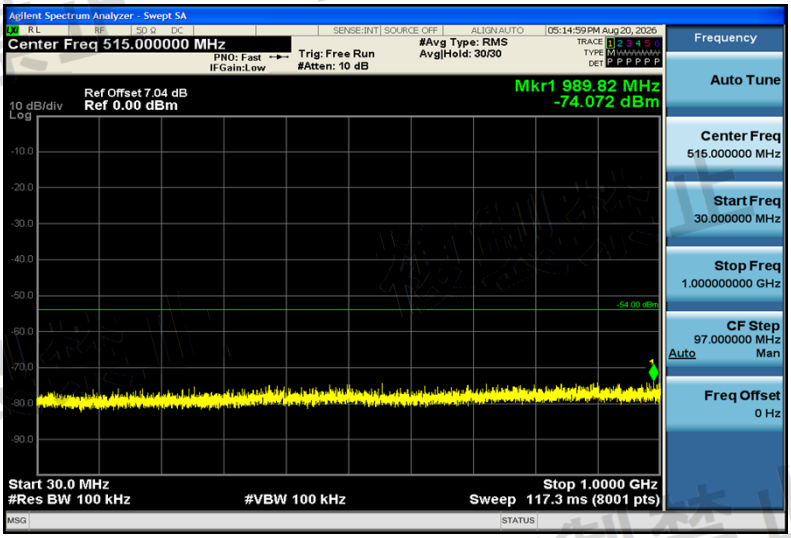

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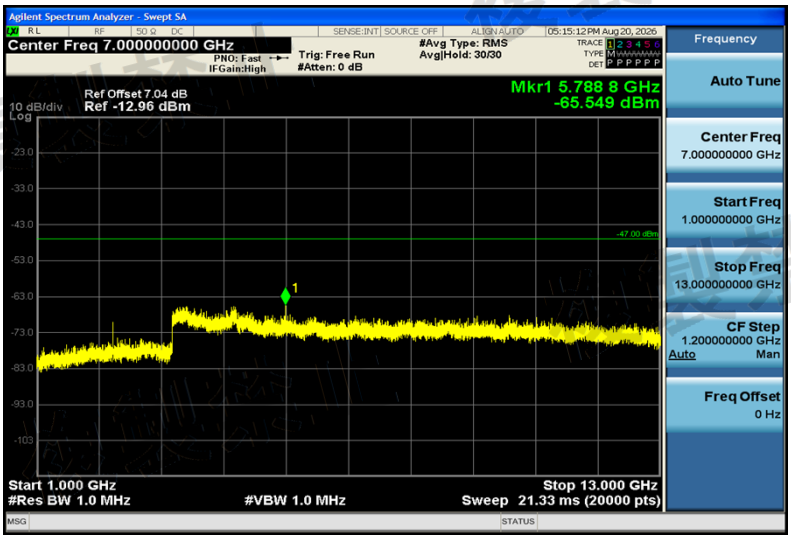

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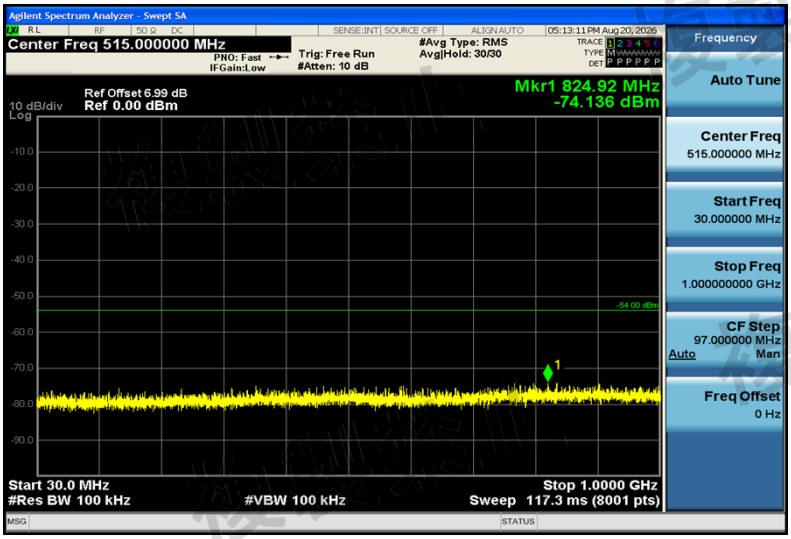

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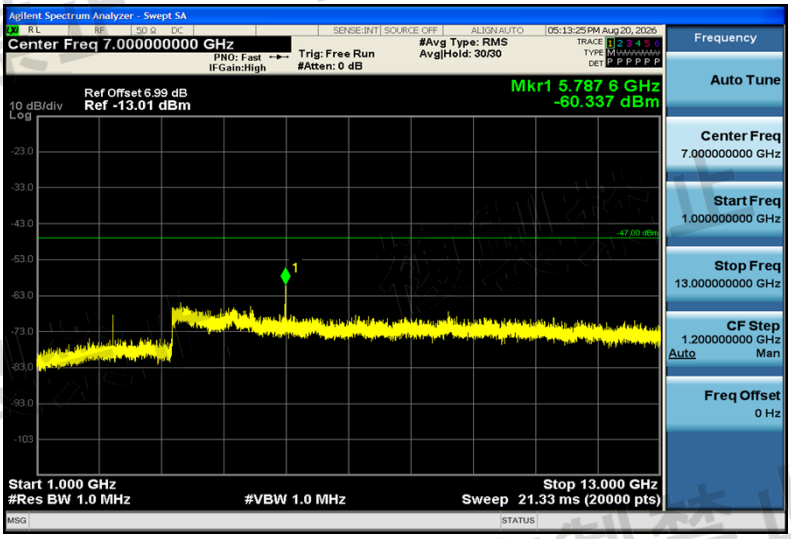

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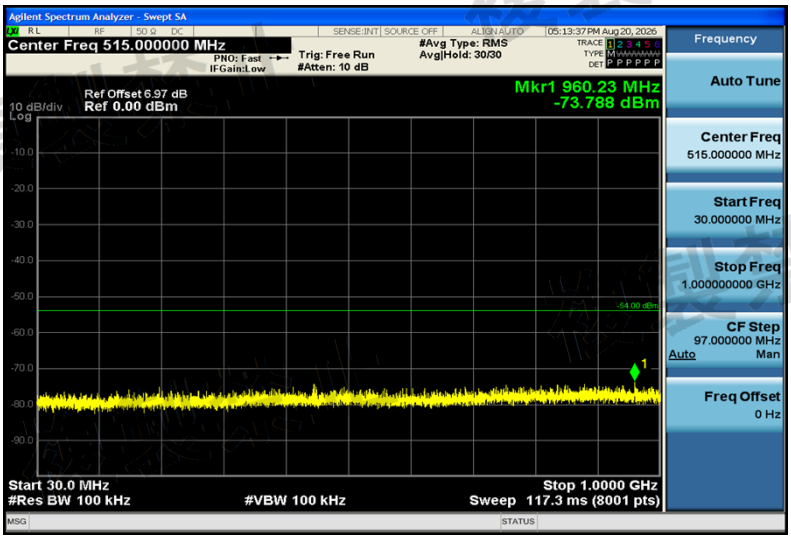
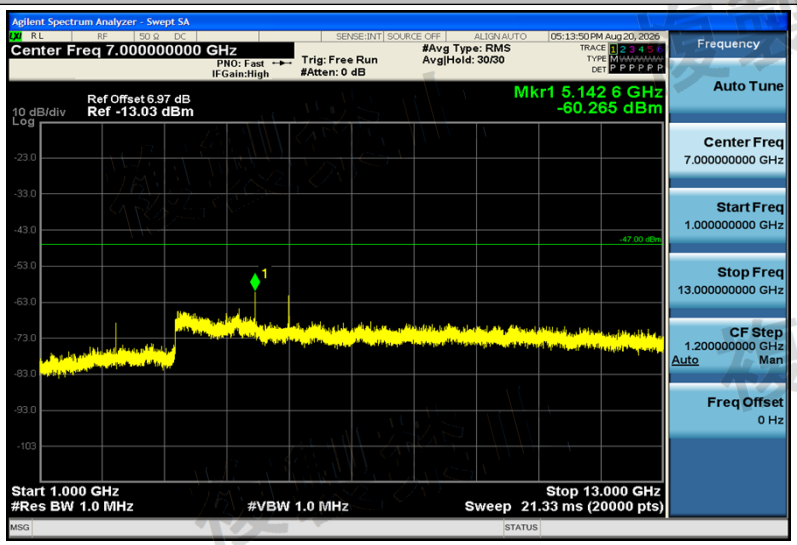


NTNV-11AX40SISO-Ant1-2462-30~1000-PASS



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