TEST REPORT

Product Name : Indoor Access Point
Model Number : AP-N716

Prepared for : FS JAPAN CO.,LTD.
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Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2509120306W00802R	/	Original Report

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TEST RESULT CERTIFICATION

Applicant	:	FS JAPAN CO.,LTD.
Address	:	JS Progress Building 5F, 4-1-23 Heiwajima, Ota-ku, Tokyo
Manufacturer	:	FS.COM INC
Address	:	380 Centerpoint Blvd, New Castle, DE 19720, United States
EUT	:	Indoor Access Point
Model Name	:	AP-N716
Trademark	:	FS

Measurement Procedure Used:

APPLICABLE STANDARDS		
STANDARD	**Test Procedure**	**TEST RESULT**
Item 19 of Article 2 Paragraph 1	MIC public notice 88:2004, annex 43	PASS

The device described above is tested by EMTEK (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (SHENZHEN) CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) was measured according to the test methods of Ordinance Concerning Technical Regulations Conformity Certification etc. of Specified Radio Equipment in Annex 1, the Ministry of Internal Affairs and Communication notification in Annex “43” of Article 88, Paragraph 1 or the test method more than equivalent and the result is technically compliant with the ARIB STD T-66 requirements.
The test results of this report relate only to the tested sample identified in this report.

Date of Test : October 23, 2025 to March 13, 2026

Prepared by : Yu Xiaolan
Yu Xiaolan/Editor

Reviewer : Xia Lilu
Xia Lilu/Supervisor

Approved & Authorized Signer : Wang Li
Wang Li/Manager

EMTEK (SHENZHEN) CO., LTD. TESTING

1 EUT TECHNICAL DESCRIPTION

Product Name:	Indoor Access Point
Model Number:	AP-N716
WLAN Supported:	802.11b 802.11g 802.11n(20MHz channel bandwidth) 802.11n(40MHz channel bandwidth) 802.11ax(20MHz channel bandwidth) 802.11ax(40MHz channel bandwidth) 802.11be(20MHz channel bandwidth) 802.11be(40MHz channel bandwidth)
Modulation:	DSSS, OFDM, OFDMA
Operating Frequency Range:	2412-2472MHz for 802.11b/g/n(HT20)/ax(20)/be(20) 2422-2462MHz for 802.11n(HT40)/ax(40)/be(40)
Number of Channels:	13 channels for 802.11b/g/n(HT20)/ax(20)/be(20) 9 Channels for 802.11n(HT40)/ax(40)/be(40)
Smart System:	MIMO
Power Supply:	AC 100V/60Hz by Adapter or PoE (Note: The EUT has two power supplies, Pre testing all power supplies, and find the PoE is the worst, so only the worst data is shown in the report.)
Temperature Range:	-5℃~40℃

1.1 FEATURE OF EUT

a) Antenna information

Specification	Antenna	Brand	Model	Antenna Type	Gain
BLE	1	/	/	Integrated Antenna	4.1dBi
2.4G WIFI	1	/	/	Integrated Antenna	4.0dBi
2.4G WIFI	2	/	/	Integrated Antenna	4.3dBi
5G WIFI	1	/	/	Integrated Antenna	6.9dBi
5G WIFI	2	/	/	Integrated Antenna	6.9dBi
WiFi 6E	1	/	/	Integrated Antenna	6.1dBi
WiFi 6E	2	/	/	Integrated Antenna	6.9dBi
Note: The antenna information provided by the manufacturer will have a certain impact on the test results.					

b) Modification Record

There were no modifications required for compliance.

c) For more details, please refer to the user's manual of the EUT.

2 SUMMARY OF TEST RESULT

Clause	Test Parameter	Verdict	Remark
Item 19 of Article 2 Paragraph 1	Antenna Power	Pass	
Item 19 of Article 2 Paragraph 1	Frequency Error	Pass	
Item 19 of Article 2 Paragraph 1	Occupied Bandwidth (99%)	Pass	
Item 19 of Article 2 Paragraph 1	Spurious Emissions of Tx	Pass	
Item 19 of Article 2 Paragraph 1	Spurious Emissions of Rx	Pass	
Item 19 of Article 2 Paragraph 1	Interference Prevention Function	Pass	
Item 19 of Article 2 Paragraph 1	Carrier sense capability	Pass	
Item 19 of Article 2 Paragraph 1	RF accessibility	Pass	

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3 TEST METHODOLOGY

3.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards: Item 19 of Article 2 Paragraph 1 of the TELEC rules for 2.4GHz band wide-band low-power data communication system. All measurements contained in this report were conducted with test method for radio equipment specified in MIC public notice 88:2004, annex 43 for certification. And measuring method for electric field intensity of radio station with remarkably weak radiowave transmitted.

3.2 MEASUREMENT EQUIPMENT USED

3.2.1 Radio Frequency Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval	Calibration Body	Calibration Method
Wideband Radio Communication Tester	R&S	CMW500	171168	2025/9/9	1Year	LISAI	(c)
Frequency Extender	R&S	CMW-Z800A	100430	2025/9/9	1Year	LISAI	(c)
Spectrum Analyzer	R&S	FSV3044	101289	2024/12/17 2025/12/16	1Year	LISAI	(c)
Analog Signal Generator	R&S	SMB100A	183237	2025/9/9	1Year	LISAI	(c)
Vector Signal Generator	R&S	SMM100A	101808	2025/9/9	1Year	LISAI	(c)
RF Control Unit(Power Meter)	Tonscend	JS0806-2	22C8060567	2025/9/9	1Year	LISAI	(c)
Temperature&Humidity Chamber	ESPEC	EL-02KA	12107166	2025/5/10	1 Year	LISAI	(c)
DC Power Supply	KEYSIGHT	E3642A	MY53030016	2025/9/9	1 Year	LISAI	(c)

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.

3.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.
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.
The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.
Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.
Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

Frequency and Channels list for 802.11b/g/n(HT20)/ax(HT20):

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

Frequency and Channels list for 802.11n(HT40)/ax(HT40):

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	6	2437	9	2452
4	2427	7	2442	10	2457
5	2432	8	2447	11	2462

Test Frequency and Channels for 802.11b/g/n(HT20)/ax(HT20):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	7	2442	13	2472

Test Frequency and channels for 802.11n(HT40)/ax(HT40):

Lowest Frequency		Middle Frequency		Highest Frequency	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	7	2442	11	2462

3.4 SUPPORT EQUIPMENT

Adapter	:	Model: P120W3000U Input: 100-240V~50/60Hz, 0.6A Output: 12V, 3A
PoE	:	Model: RG-E-130(GE) Input: 100-240V~50/60Hz, 0.75A Max Output: 53V, 0.6A

Notes:
1.All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2.Grounding was established in ed in accordance with the manufacturer's requirements and conditions for the intended use.

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4 FACILITIES AND ACCREDITATIONS

4.1 FACILITIES

All measurement facilities used to collect the measurement data are located at
Building 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, China
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22."

4.2 LABORATORY ACCREDITATIONS AND LISTINGS

Site Description		
EMC Lab.	:	The Certificate Registration Number is L2291 The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)
3m Chamber #1	:	Certificated by VCCI, Japan Registration No.: R-12777 Registration No.: G-20141
10m Chamber		Certificated by VCCI, Japan Registration No.: R-14410
Shielding Room #1	:	Certificated by VCCI, Japan Registration No.: C-13065 Registration No.: T-11318
Name of Firm	:	EMTEK (SHENZHEN) CO., LTD.
Site Location	:	Building 69, Majialong, Industry Zone, Nanshan District, Shenzhen, Guangdong, China

5 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Radio Frequency	±1x10^-5
Uncertainty for Output power test	±0.83dB
Conducted Emissions Test	±2.0dB
Radiated Emission Test	±2.0dB
Occupied Bandwidth Test	±1.0dB
Power density test	±1.85dB
All emission, radiated	±3dB
Antenna Port Emission	±3dB
Temperature	±0.5℃
Humidity	±3%

Measurement Uncertainty for a level of Confidence of 95%

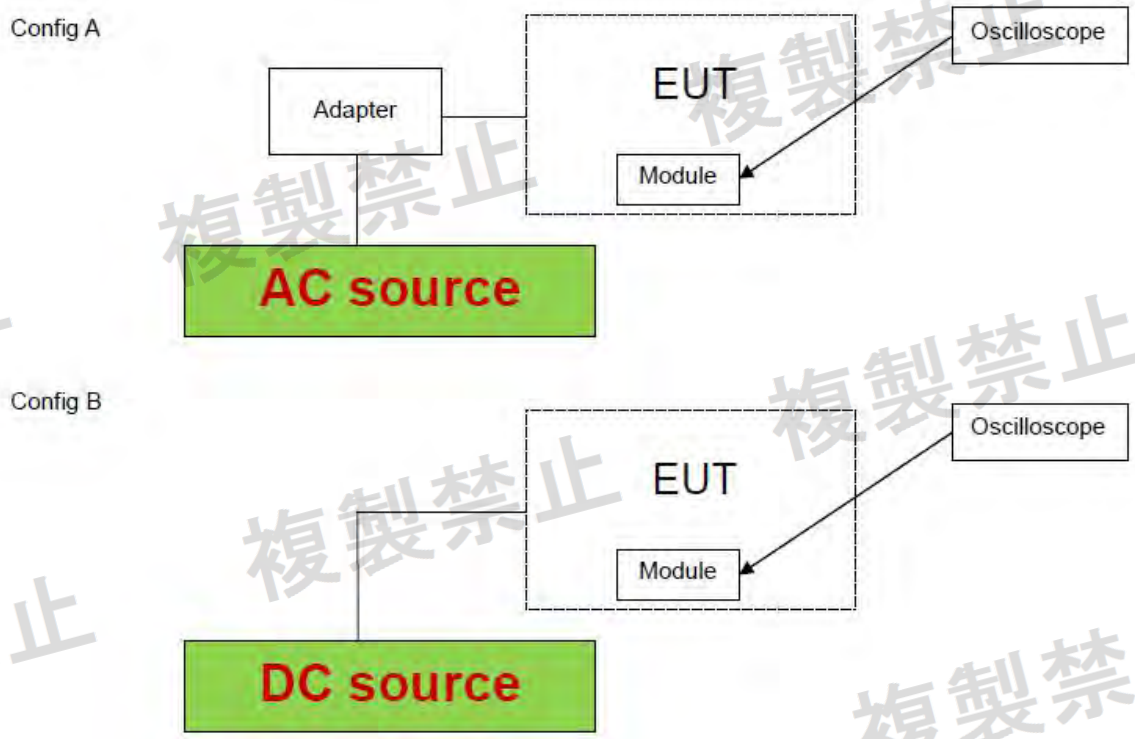
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6 WIRELESS MODULE VOLTAGE TEST IN EXTREME CONDITIONS

6.1 Applicable Standard

When there is a fluctuation of +/-10% input voltage from external power to the test equipment. If the fluctuation of input voltage to the circuit of the radio part (excl. power) in the test equipment is confirmed below +/-1%, Measurement shall be tested with the rated voltage.

6.2 Test Configuration



6.3 Test Results

Temperature :	24.5℃	Test By:	LHJ
Humidity :	45 %	Atmospheric Pressure:	101KPa

Test Sample DC Input Voltage	10.8V	12V	13.2V
Input Voltage To The Circuit	3.30	3.29	3.32
Module Rated Voltage	3.30	3.30	3.30
The Deviation of Module Voltage (%)	0.00%	0.00%	0.00%

Note: In extreme conditions, The test sample module power is confirmed below +/-1%.

7 TEST REQUIREMENTS

7.1 ANTENNA POWER

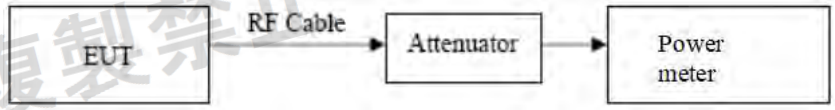
7.1.1 Applicable Standard

According to Equipment Regulations, art. 49.20.

7.1.2 Conformance Limit

The max permitted antenna power density shall not exceed 10mW/MHz and deviation of power density shall be less than 20% of declared power density.
Eirp: not exceed 12.14dBm/ MHz(OFDM.DS form 2400-2483.5 MHz)

7.1.3 Test Setup Block Diagram



7.1.4 Test Procedure

Set the EUT on the test frequency and the consecutive TX mode or continuous (constant period, constant burst length) burst TX mode.
In case of spreading code used, set on the test spreading code, then the modulation is performed with standard coding test signal.
(a) Connect a high-frequency power meter to the output of EUT and measure the total power.
(b) Antenna power shall be as follows.
a. Value of a for continuous wave
b. Burst wave The average power in the burst is calculated from the value of (a) and the transmission time rate.

7.1.5 Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	45%
ATM Pressure:	1011 mbar

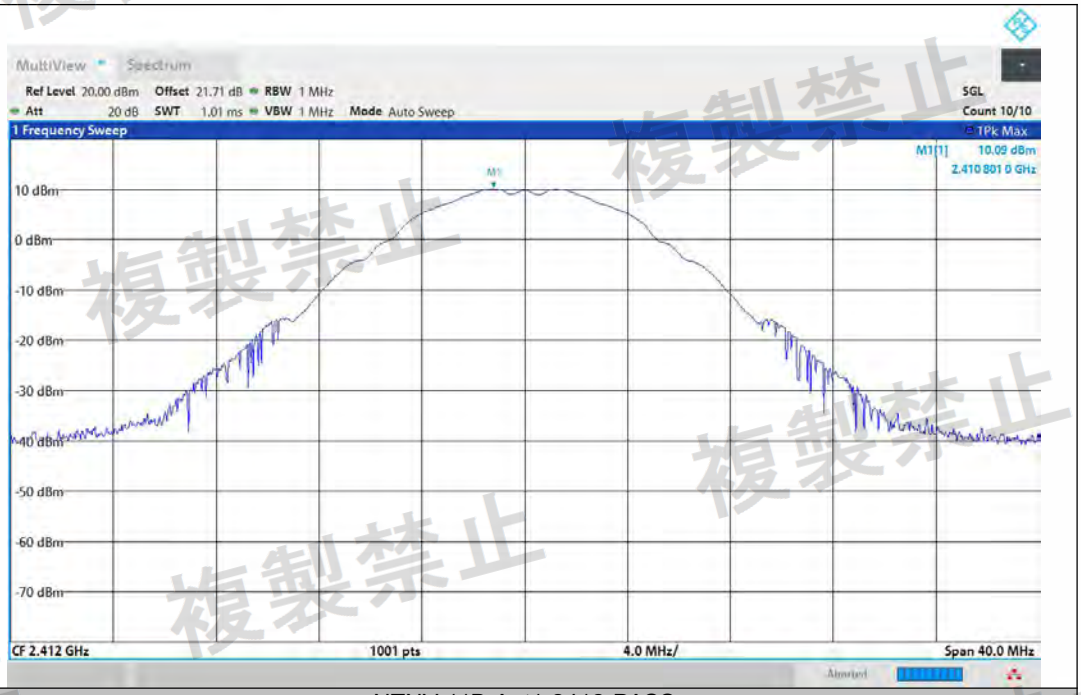
7.1.6 Test Results

Test Condition	Test Mode	Antenna	Frequency [MHz]	Result (dBm/MHz)	Result(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	11B	Ant1	2412	6.92	4.9204	≤10	PASS
NTNV	11B	Ant2	2412	6.43	4.3954	≤10	PASS
NTNV	11B	Ant1	2442	6.51	4.4771	≤10	PASS
NTNV	11B	Ant2	2442	6.06	4.0365	≤10	PASS
NTNV	11B	Ant1	2472	6.20	4.1687	≤10	PASS
NTNV	11B	Ant2	2472	5.91	3.8994	≤10	PASS
NTNV	11G	Ant1	2412	4.26	2.6669	≤10	PASS
NTNV	11G	Ant2	2412	4.35	2.7227	≤10	PASS
NTNV	11G	Ant1	2442	3.80	2.3988	≤10	PASS
NTNV	11G	Ant2	2442	4.01	2.5177	≤10	PASS
NTNV	11G	Ant1	2472	3.69	2.3388	≤10	PASS
NTNV	11G	Ant2	2472	3.83	2.4155	≤10	PASS
NTNV	11N20MIMO	Ant2	2412	3.99	2.5061	≤10	PASS
NTNV	11N20MIMO	total	2412	6.87	4.8666	≤10	PASS
NTNV	11N20MIMO	Ant1	2412	3.73	2.3605	≤10	PASS
NTNV	11N20MIMO	Ant1	2442	3.58	2.2803	≤10	PASS
NTNV	11N20MIMO	Ant2	2442	3.73	2.3605	≤10	PASS
NTNV	11N20MIMO	total	2442	6.67	4.6408	≤10	PASS
NTNV	11N20MIMO	Ant1	2472	3.35	2.1627	≤10	PASS
NTNV	11N20MIMO	Ant2	2472	3.41	2.1928	≤10	PASS
NTNV	11N20MIMO	total	2472	6.39	4.3555	≤10	PASS
NTNV	11N40MIMO	Ant1	2422	1.24	1.3305	≤5	PASS
NTNV	11N40MIMO	Ant2	2422	1.73	1.4894	≤5	PASS
NTNV	11N40MIMO	total	2422	4.50	2.8199	≤5	PASS
NTNV	11N40MIMO	Ant1	2442	0.40	1.0965	≤5	PASS
NTNV	11N40MIMO	Ant2	2442	1.54	1.4256	≤5	PASS
NTNV	11N40MIMO	total	2442	4.02	2.5221	≤5	PASS
NTNV	11N40MIMO	Ant1	2462	1.30	1.3490	≤5	PASS
NTNV	11N40MIMO	Ant2	2462	0.94	1.2417	≤5	PASS
NTNV	11N40MIMO	total	2462	4.13	2.5907	≤5	PASS
NTNV	11AX20MIMO	Ant1	2412	3.70	2.3442	≤10	PASS
NTNV	11AX20MIMO	Ant2	2412	3.85	2.4266	≤10	PASS
NTNV	11AX20MIMO	total	2412	6.79	4.7708	≤10	PASS
NTNV	11AX20MIMO	Ant1	2442	3.48	2.2284	≤10	PASS
NTNV	11AX20MIMO	Ant2	2442	3.40	2.1878	≤10	PASS
NTNV	11AX20MIMO	total	2442	6.45	4.4162	≤10	PASS
NTNV	11AX20MIMO	Ant1	2472	2.55	1.7989	≤10	PASS
NTNV	11AX20MIMO	Ant2	2472	3.65	2.3174	≤10	PASS
NTNV	11AX20MIMO	total	2472	6.15	4.1163	≤10	PASS
NTNV	11AX40MIMO	Ant1	2422	1.45	1.3964	≤5	PASS
NTNV	11AX40MIMO	Ant2	2422	1.48	1.4060	≤5	PASS
NTNV	11AX40MIMO	total	2422	4.48	2.8024	≤5	PASS
NTNV	11AX40MIMO	Ant1	2442	1.38	1.3740	≤5	PASS
NTNV	11AX40MIMO	Ant2	2442	1.45	1.3964	≤5	PASS
NTNV	11AX40MIMO	total	2442	4.43	2.7704	≤5	PASS
NTNV	11AX40MIMO	Ant1	2462	1.39	1.3772	≤5	PASS
NTNV	11AX40MIMO	Ant2	2462	1.56	1.4322	≤5	PASS
NTNV	11AX40MIMO	total	2462	4.49	2.8094	≤5	PASS
NTNV	11BE20MIMO	Ant1	2412	3.96	2.4889	≤10	PASS
NTNV	11BE20MIMO	Ant2	2412	4.20	2.6303	≤10	PASS
NTNV	11BE20MIMO	total	2412	7.09	5.1192	≤10	PASS
NTNV	11BE20MIMO	Ant1	2442	3.59	2.2856	≤10	PASS
NTNV	11BE20MIMO	Ant2	2442	3.88	2.4434	≤10	PASS
NTNV	11BE20MIMO	total	2442	6.75	4.7290	≤10	PASS
NTNV	11BE20MIMO	Ant1	2472	3.14	2.0606	≤10	PASS
NTNV	11BE20MIMO	Ant2	2472	3.64	2.3121	≤10	PASS
NTNV	11BE20MIMO	total	2472	6.41	4.3727	≤10	PASS
NTNV	11BE40MIMO	Ant1	2422	0.72	1.1803	≤5	PASS
NTNV	11BE40MIMO	Ant2	2422	1.82	1.5205	≤5	PASS
NTNV	11BE40MIMO	total	2422	4.31	2.7008	≤5	PASS
NTNV	11BE40MIMO	Ant1	2442	0.51	1.1246	≤5	PASS
NTNV	11BE40MIMO	Ant2	2442	1.83	1.5241	≤5	PASS
NTNV	11BE40MIMO	total	2442	4.23	2.6487	≤5	PASS
NTNV	11BE40MIMO	Ant1	2462	1.25	1.3335	≤5	PASS
NTNV	11BE40MIMO	Ant2	2462	1.55	1.4289	≤5	PASS
NTNV	11BE40MIMO	total	2462	4.41	2.7624	≤5	PASS

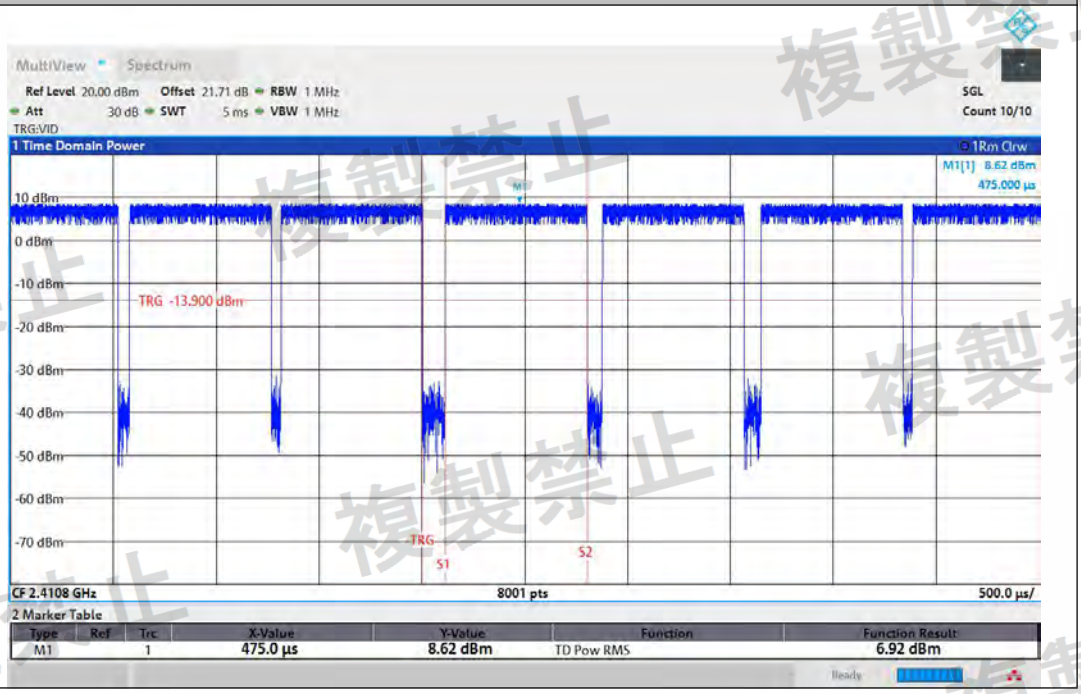
Test Condition	Test Mode	Antenna	Frequency [MHz]	Result (dBm/MHz)	EIRP(dBm/MHz)	Limit(dBm/MHz)	Verdict
NTNV	11B	Ant1	2412	6.92	10.92	≤12.14	PASS
NTNV	11B	Ant2	2412	6.43	10.73	≤12.14	PASS
NTNV	11B	Ant1	2442	6.51	10.51	≤12.14	PASS
NTNV	11B	Ant2	2442	6.06	10.36	≤12.14	PASS
NTNV	11B	Ant1	2472	6.20	10.20	≤12.14	PASS
NTNV	11B	Ant2	2472	5.91	10.21	≤12.14	PASS
NTNV	11G	Ant1	2412	4.26	8.26	≤12.14	PASS
NTNV	11G	Ant2	2412	4.35	8.65	≤12.14	PASS
NTNV	11G	Ant1	2442	3.80	7.80	≤12.14	PASS
NTNV	11G	Ant2	2442	4.01	8.31	≤12.14	PASS
NTNV	11G	Ant1	2472	3.69	7.69	≤12.14	PASS
NTNV	11G	Ant2	2472	3.83	8.13	≤12.14	PASS
NTNV	11N20MIMO	Ant1	2412	3.73	7.73	≤12.14	PASS
NTNV	11N20MIMO	Ant2	2412	3.99	8.29	≤12.14	PASS
NTNV	11N20MIMO	total	2412	6.87	11.03	≤12.14	PASS
NTNV	11N20MIMO	Ant1	2442	3.58	7.58	≤12.14	PASS
NTNV	11N20MIMO	Ant2	2442	3.73	8.03	≤12.14	PASS
NTNV	11N20MIMO	total	2442	6.67	10.82	≤12.14	PASS
NTNV	11N20MIMO	Ant1	2472	3.35	7.35	≤12.14	PASS
NTNV	11N20MIMO	Ant2	2472	3.41	7.71	≤12.14	PASS
NTNV	11N20MIMO	total	2472	6.39	10.54	≤12.14	PASS
NTNV	11N40MIMO	Ant1	2422	1.24	5.24	≤9.13	PASS
NTNV	11N40MIMO	Ant2	2422	1.73	6.03	≤9.13	PASS
NTNV	11N40MIMO	total	2422	4.50	8.66	≤9.13	PASS
NTNV	11N40MIMO	Ant1	2442	0.40	4.40	≤9.13	PASS
NTNV	11N40MIMO	Ant2	2442	1.54	5.84	≤9.13	PASS
NTNV	11N40MIMO	total	2442	4.02	8.19	≤9.13	PASS
NTNV	11N40MIMO	Ant1	2462	1.30	5.30	≤9.13	PASS
NTNV	11N40MIMO	Ant2	2462	0.94	5.24	≤9.13	PASS
NTNV	11N40MIMO	total	2462	4.13	8.28	≤9.13	PASS
NTNV	11AX20MIMO	Ant1	2412	3.70	7.70	≤12.14	PASS
NTNV	11AX20MIMO	Ant2	2412	3.85	8.15	≤12.14	PASS
NTNV	11AX20MIMO	total	2412	6.79	10.94	≤12.14	PASS
NTNV	11AX20MIMO	Ant1	2442	3.48	7.48	≤12.14	PASS
NTNV	11AX20MIMO	Ant2	2442	3.40	7.70	≤12.14	PASS
NTNV	11AX20MIMO	total	2442	6.45	10.60	≤12.14	PASS
NTNV	11AX20MIMO	total	2472	6.15	10.32	≤12.14	PASS
NTNV	11AX20MIMO	Ant1	2472	2.55	6.55	≤12.14	PASS
NTNV	11AX20MIMO	Ant2	2472	3.65	7.95	≤12.14	PASS
NTNV	11AX40MIMO	Ant1	2422	1.45	5.45	≤9.13	PASS
NTNV	11AX40MIMO	Ant2	2422	1.48	5.78	≤9.13	PASS
NTNV	11AX40MIMO	total	2422	4.48	8.63	≤9.13	PASS
NTNV	11AX40MIMO	Ant1	2442	1.38	5.38	≤9.13	PASS
NTNV	11AX40MIMO	Ant2	2442	1.45	5.75	≤9.13	PASS
NTNV	11AX40MIMO	total	2442	4.43	8.58	≤9.13	PASS
NTNV	11AX40MIMO	Ant1	2462	1.39	5.39	≤9.13	PASS
NTNV	11AX40MIMO	Ant2	2462	1.56	5.86	≤9.13	PASS
NTNV	11AX40MIMO	total	2462	4.49	8.64	≤9.13	PASS
NTNV	11BE20MIMO	Ant1	2412	3.96	7.96	≤12.14	PASS
NTNV	11BE20MIMO	Ant2	2412	4.20	8.50	≤12.14	PASS
NTNV	11BE20MIMO	total	2412	7.09	11.25	≤12.14	PASS
NTNV	11BE20MIMO	Ant1	2442	3.59	7.59	≤12.14	PASS
NTNV	11BE20MIMO	Ant2	2442	3.88	8.18	≤12.14	PASS
NTNV	11BE20MIMO	total	2442	6.75	10.91	≤12.14	PASS
NTNV	11BE20MIMO	Ant1	2472	3.14	7.14	≤12.14	PASS
NTNV	11BE20MIMO	Ant2	2472	3.64	7.94	≤12.14	PASS
NTNV	11BE20MIMO	total	2472	6.41	10.57	≤12.14	PASS
NTNV	11BE40MIMO	Ant1	2422	0.72	4.72	≤9.13	PASS
NTNV	11BE40MIMO	Ant2	2422	1.82	6.12	≤9.13	PASS
NTNV	11BE40MIMO	total	2422	4.31	8.49	≤9.13	PASS
NTNV	11BE40MIMO	Ant1	2442	0.51	4.51	≤9.13	PASS
NTNV	11BE40MIMO	Ant2	2442	1.83	6.13	≤9.13	PASS
NTNV	11BE40MIMO	total	2442	4.23	8.41	≤9.13	PASS
NTNV	11BE40MIMO	Ant1	2462	1.25	5.25	≤9.13	PASS
NTNV	11BE40MIMO	Ant2	2462	1.55	5.85	≤9.13	PASS
NTNV	11BE40MIMO	total	2462	4.41	8.57	≤9.13	PASS

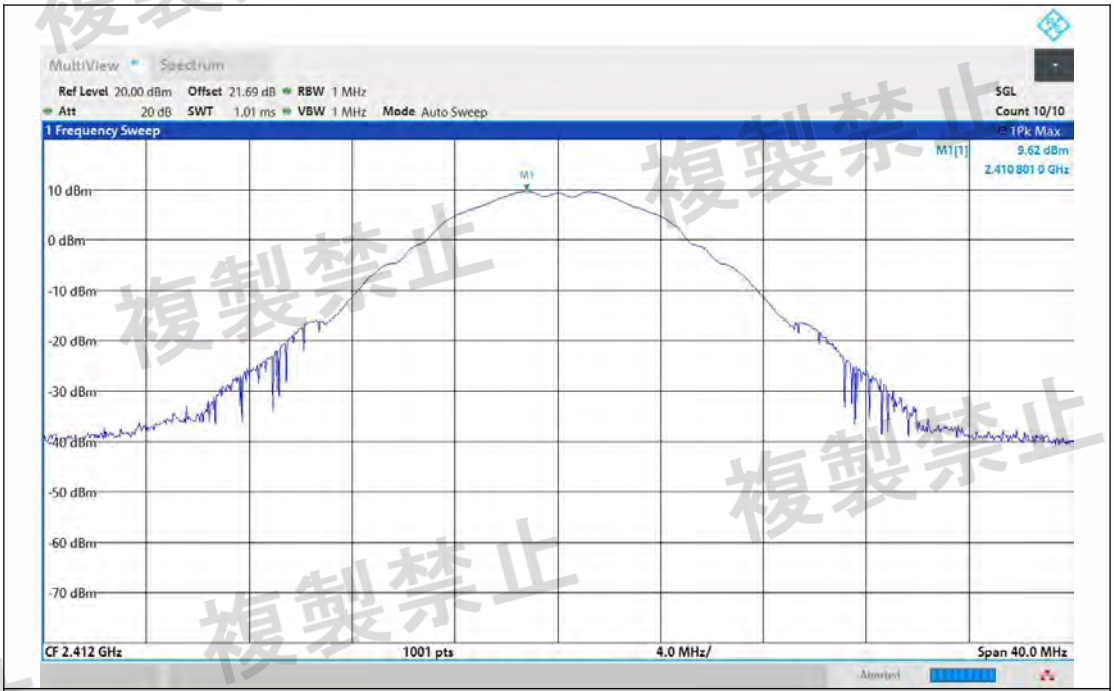
Test Condition	Test Mode	Antenna	Frequency [MHz]	Power (mW/MHz)	RatedPower (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	11B	Ant1	2412	4.9204	10	-50.80	20	PASS
NTNV	11B	Ant2	2412	4.3954	10	-56.05	20	PASS
NTNV	11B	Ant1	2442	4.4771	10	-55.23	20	PASS
NTNV	11B	Ant2	2442	4.0365	10	-59.64	20	PASS
NTNV	11B	Ant1	2472	4.1687	10	-58.31	20	PASS
NTNV	11B	Ant2	2472	3.8994	10	-61.01	20	PASS
NTNV	11G	Ant1	2412	2.6669	5	-46.66	20	PASS
NTNV	11G	Ant2	2412	2.7227	5	-45.55	20	PASS
NTNV	11G	Ant1	2442	2.3988	5	-52.02	20	PASS
NTNV	11G	Ant2	2442	2.5177	5	-49.65	20	PASS
NTNV	11G	Ant1	2472	2.3388	5	-53.22	20	PASS
NTNV	11G	Ant2	2472	2.4155	5	-51.69	20	PASS
NTNV	11N20MIMO	total	2412	4.8666	10	-51.33	20	PASS
NTNV	11N20MIMO	total	2442	4.6408	10	-53.59	20	PASS
NTNV	11N20MIMO	total	2472	4.3555	10	-56.45	20	PASS
NTNV	11N40MIMO	total	2422	2.8199	5	-43.60	20	PASS
NTNV	11N40MIMO	total	2442	2.5221	5	-49.56	20	PASS
NTNV	11N40MIMO	total	2462	2.5907	5	-48.19	20	PASS
NTNV	11AX20MIMO	total	2412	4.7708	10	-52.29	20	PASS
NTNV	11AX20MIMO	total	2442	4.4162	10	-55.84	20	PASS
NTNV	11AX20MIMO	total	2472	4.1163	10	-58.84	20	PASS
NTNV	11AX40MIMO	total	2422	2.8024	5	-43.95	20	PASS
NTNV	11AX40MIMO	total	2442	2.7704	5	-44.59	20	PASS
NTNV	11AX40MIMO	total	2462	2.8094	5	-43.81	20	PASS
NTNV	11BE20MIMO	total	2412	5.1192	10	-48.81	20	PASS
NTNV	11BE20MIMO	total	2442	4.7290	10	-52.71	20	PASS
NTNV	11BE20MIMO	total	2472	4.3727	10	-56.27	20	PASS
NTNV	11BE40MIMO	total	2422	2.7008	5	-45.98	20	PASS
NTNV	11BE40MIMO	total	2442	2.6487	5	-47.03	20	PASS
NTNV	11BE40MIMO	total	2462	2.7624	5	-44.75	20	PASS

複製禁止

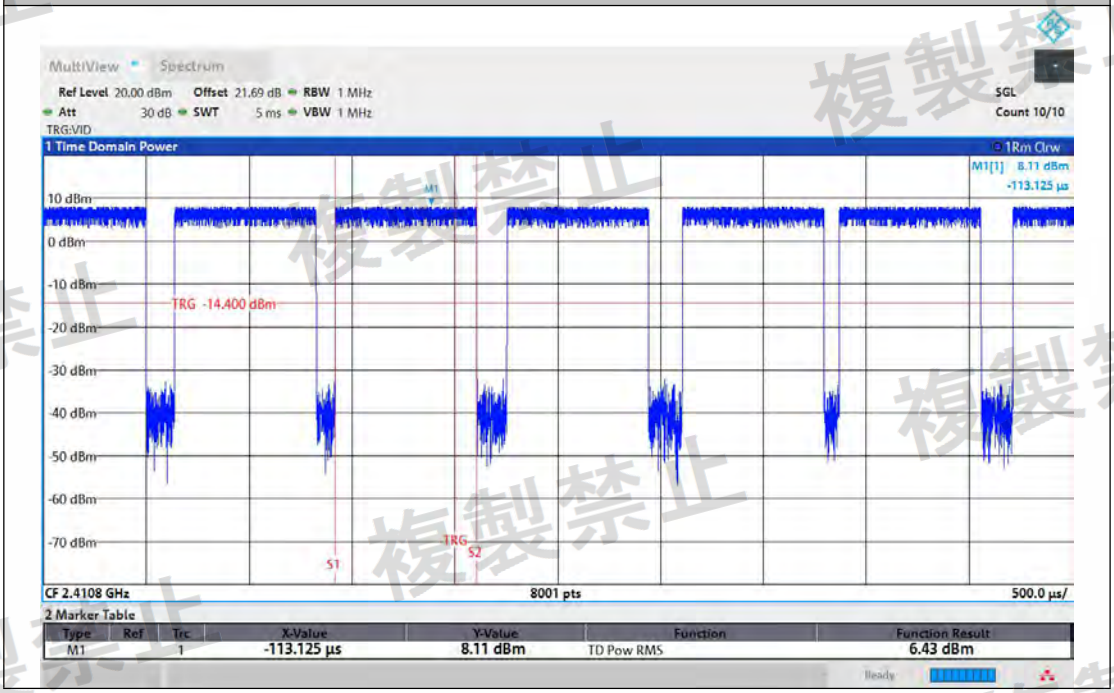


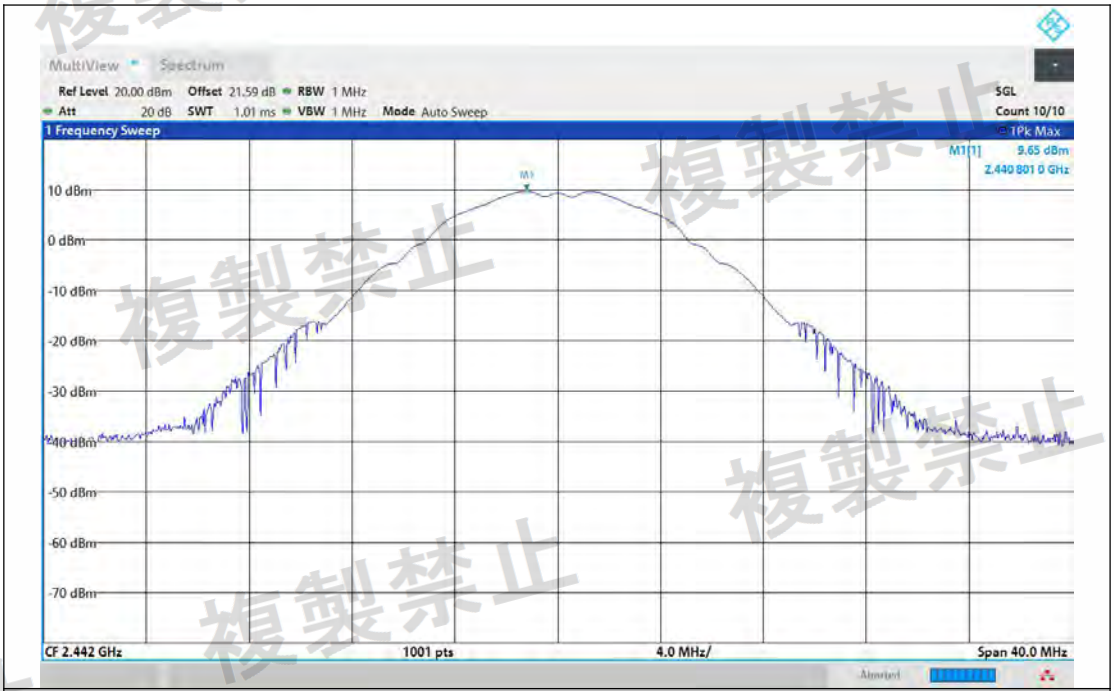
NTNV-11B-Ant1-2412-PASS



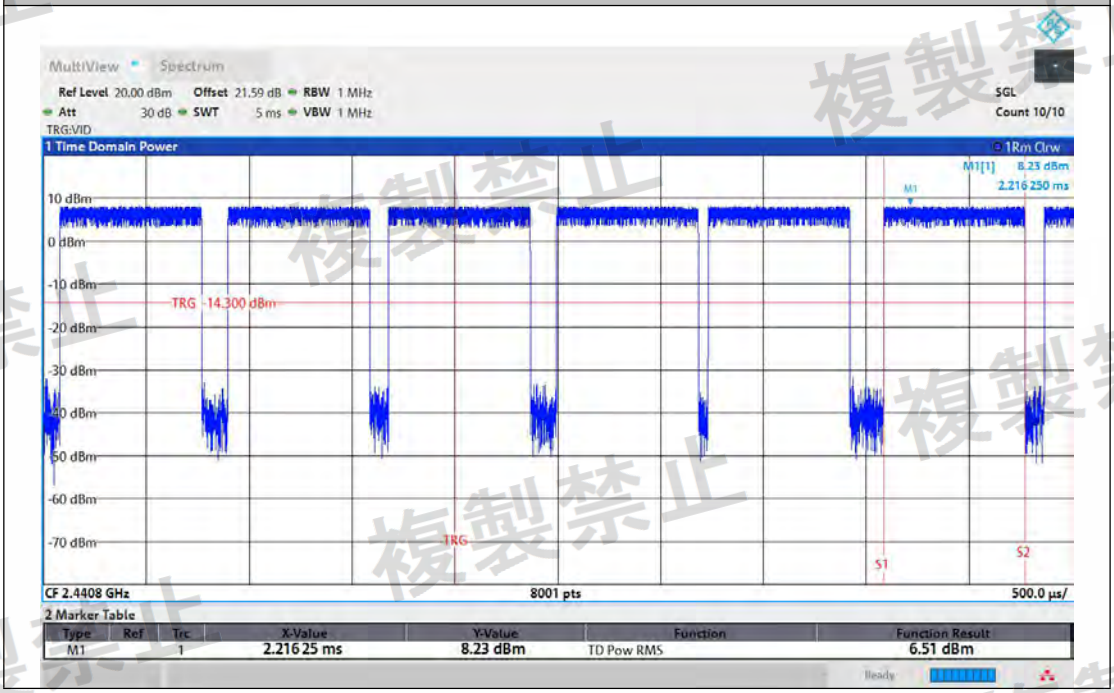


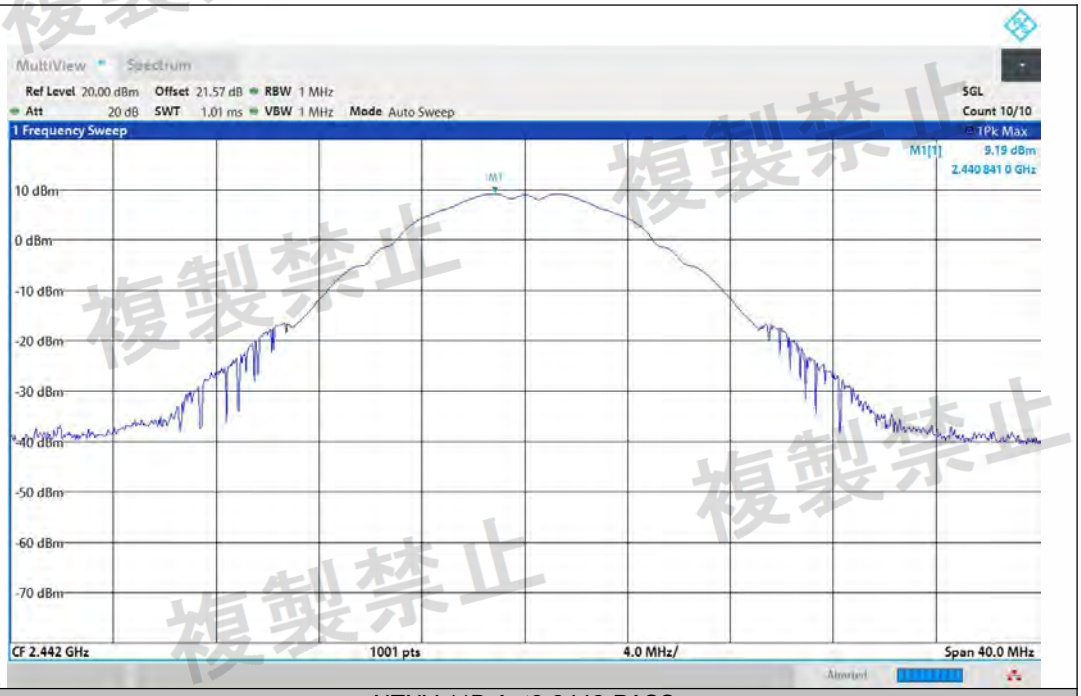
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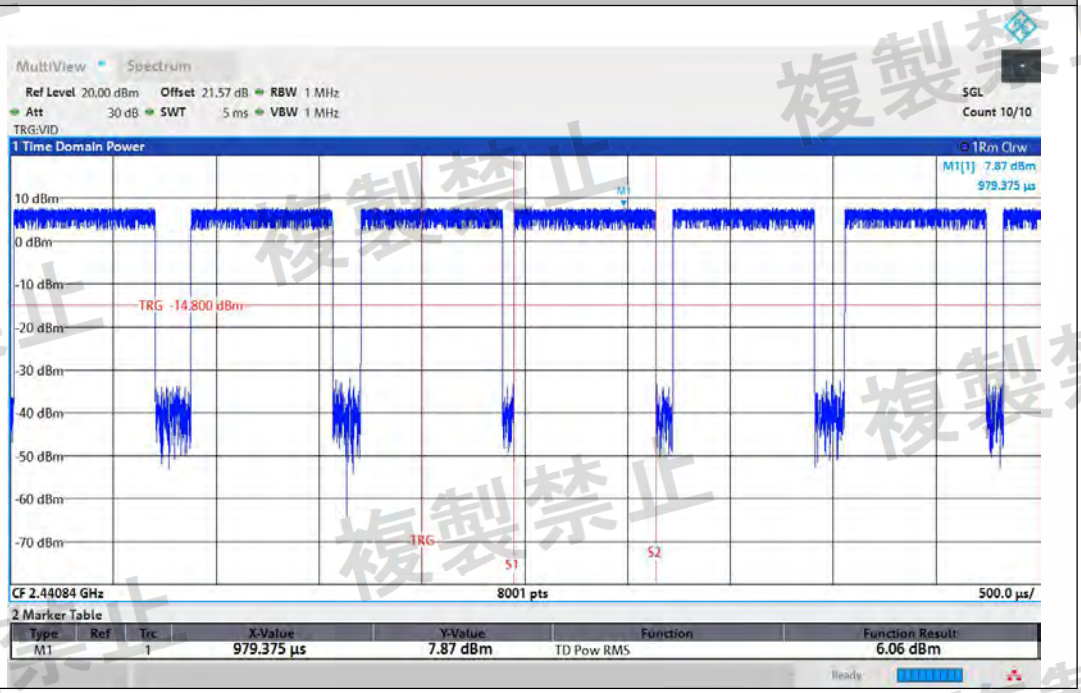


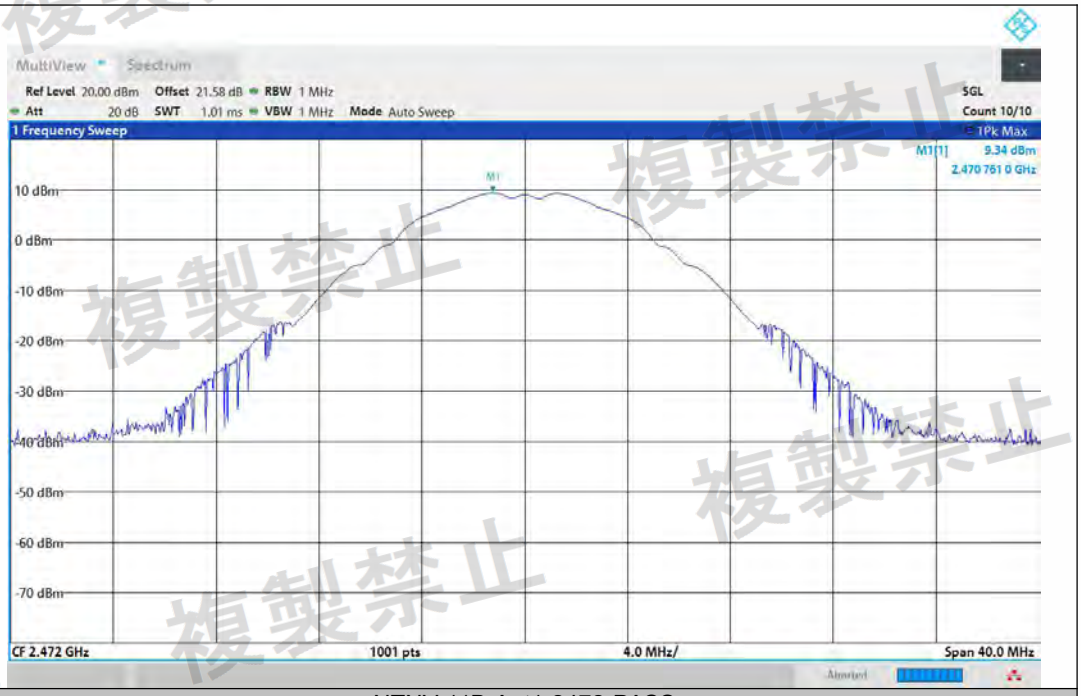
NTNV-11B-Ant1-2442-PASS



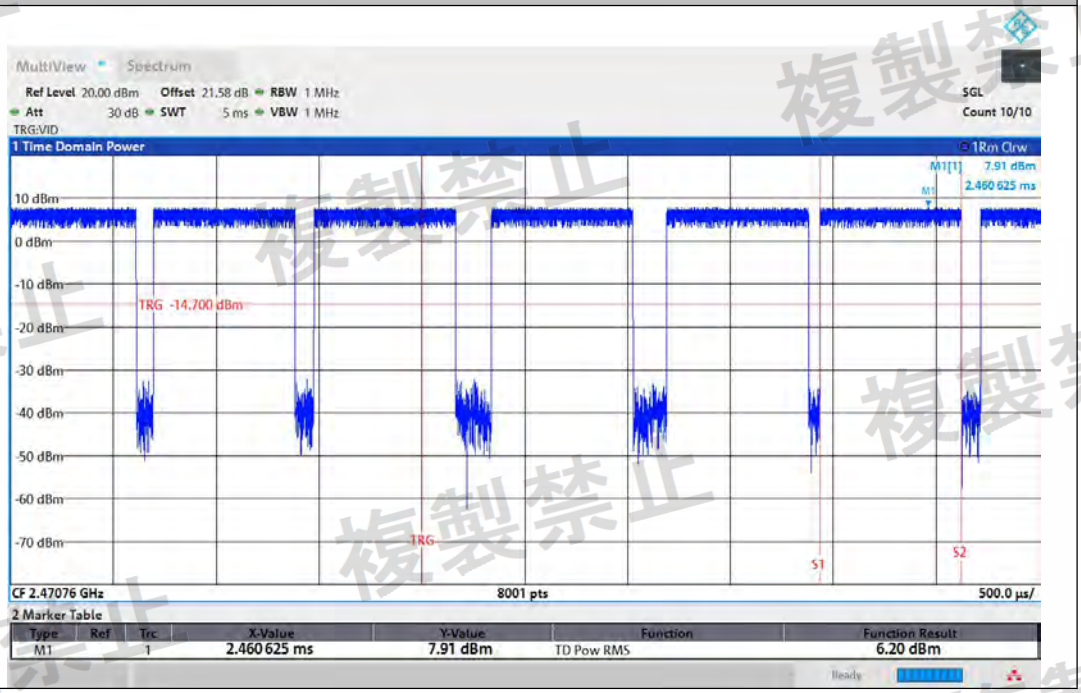


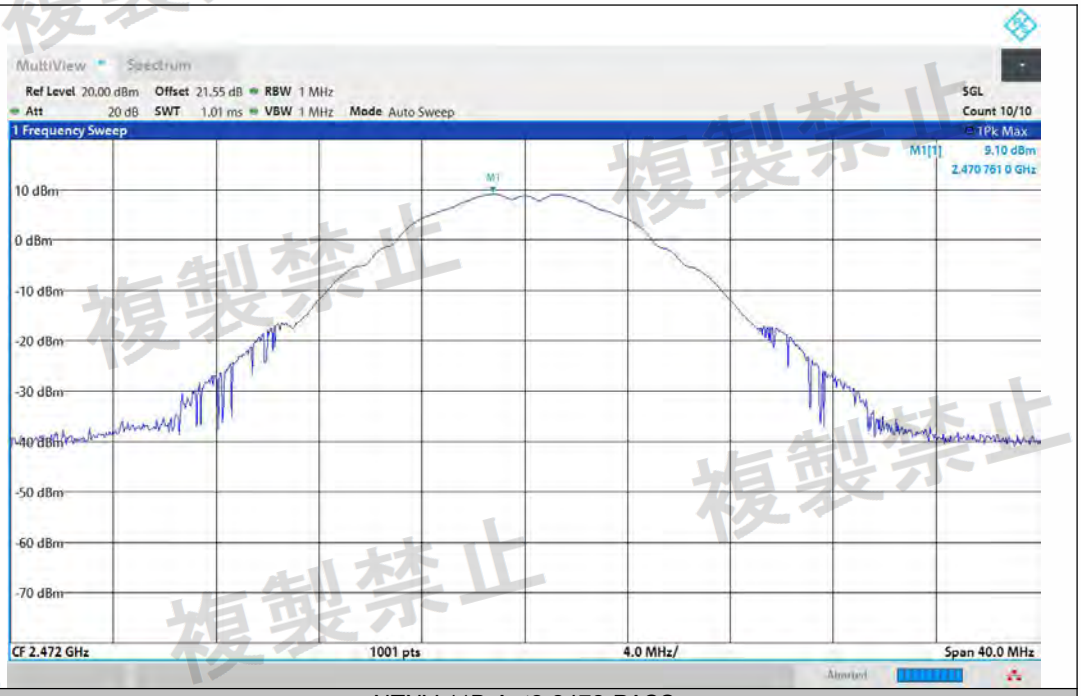
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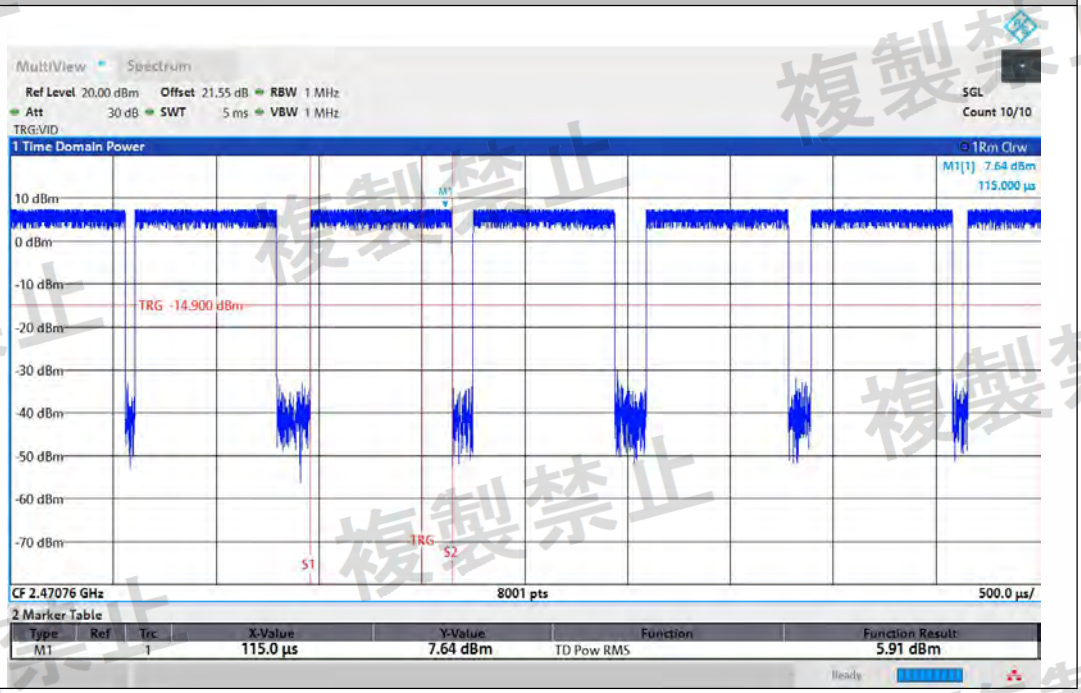


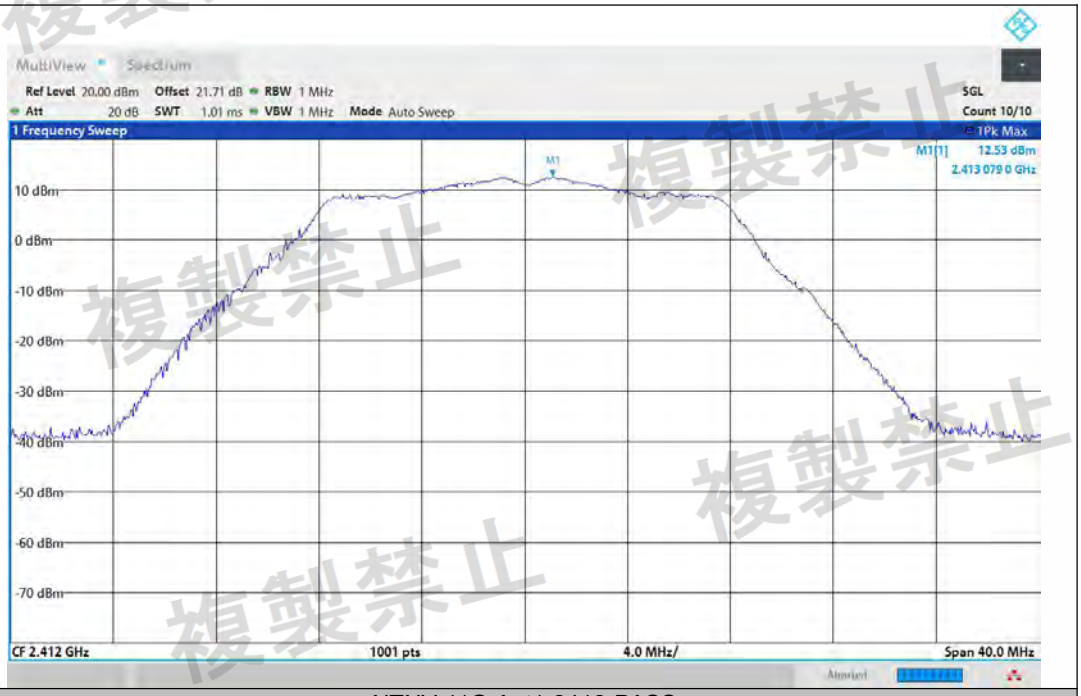
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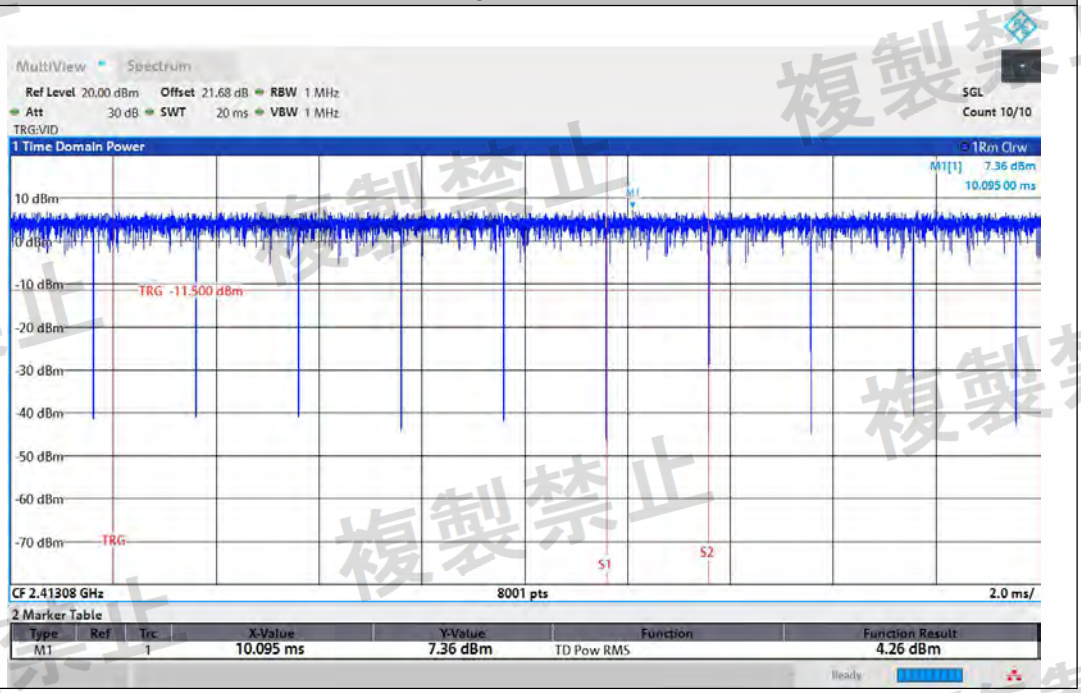


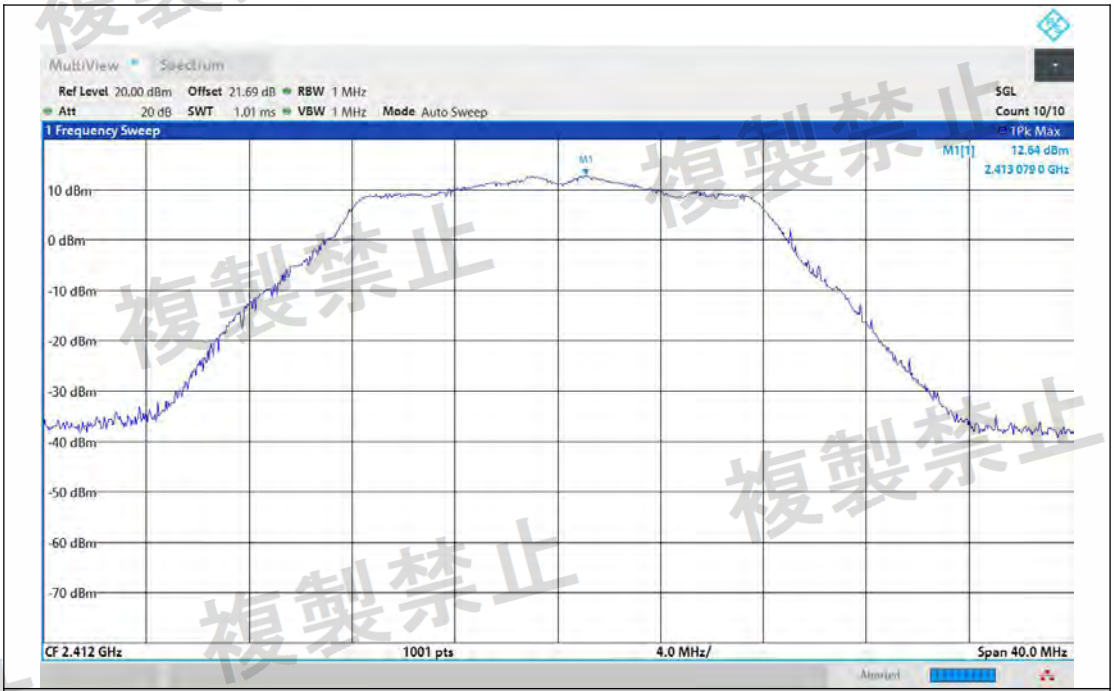
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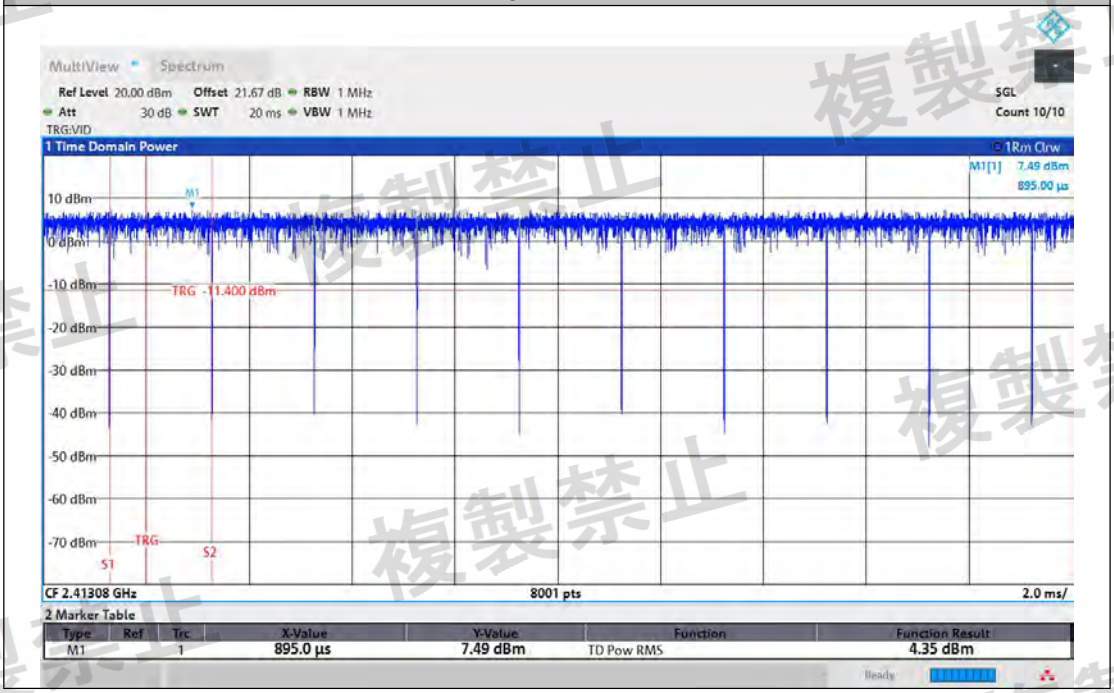


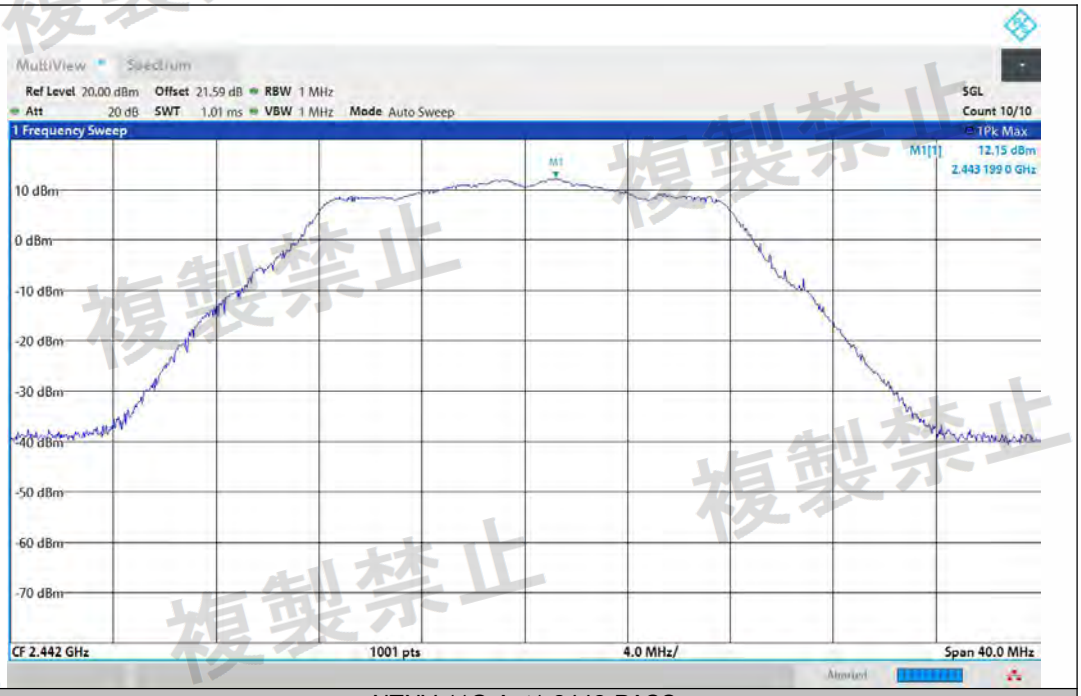
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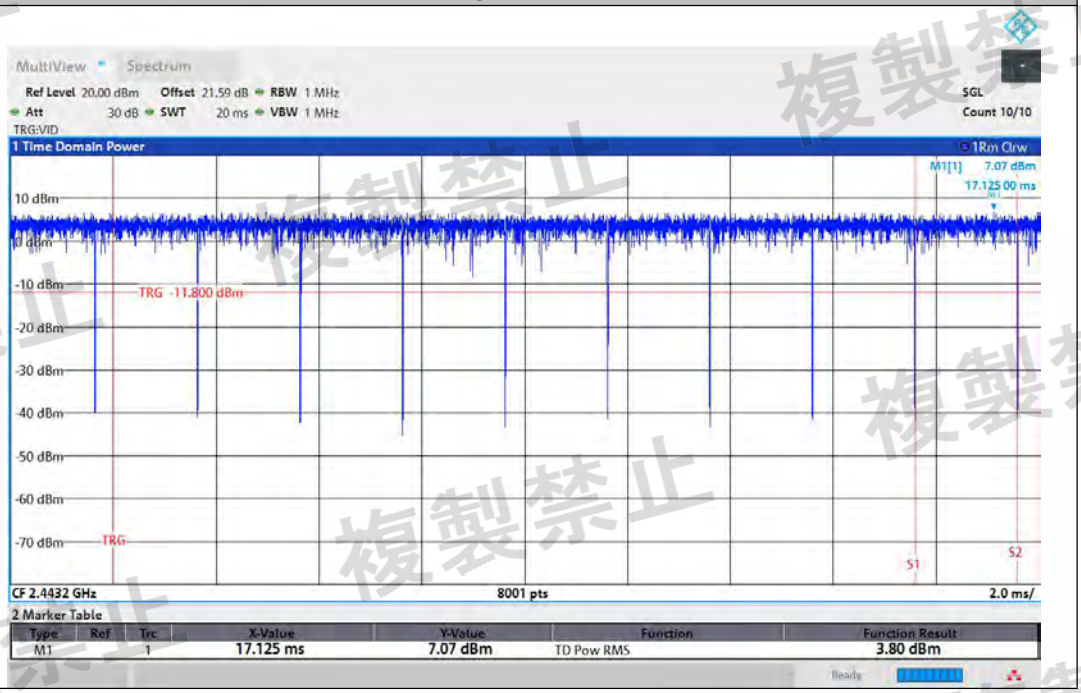


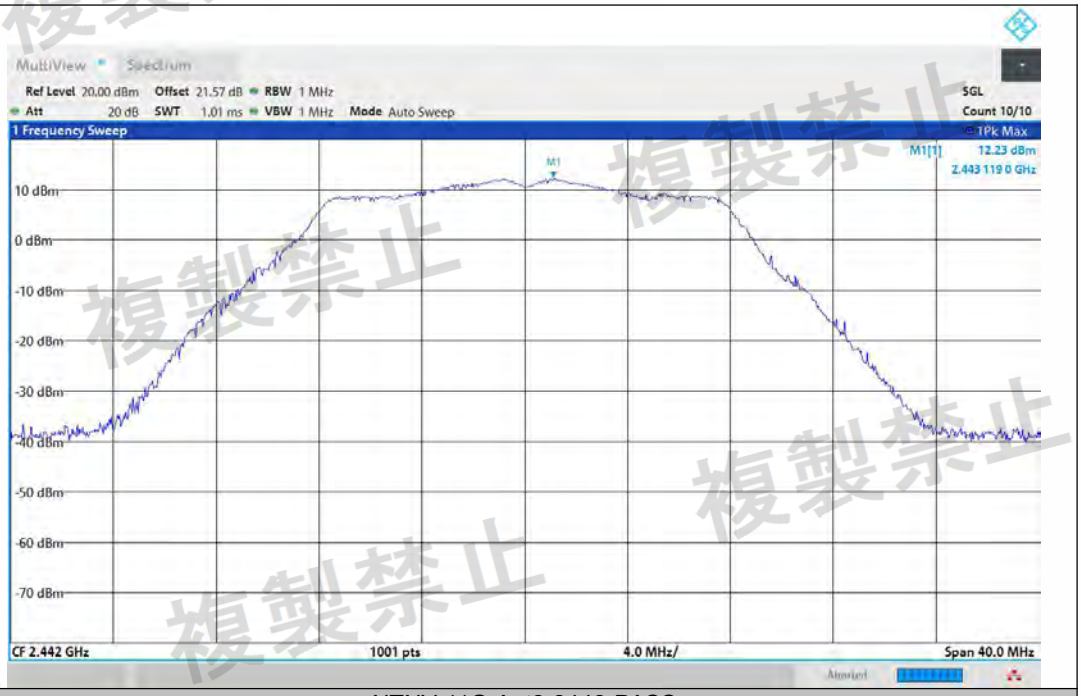
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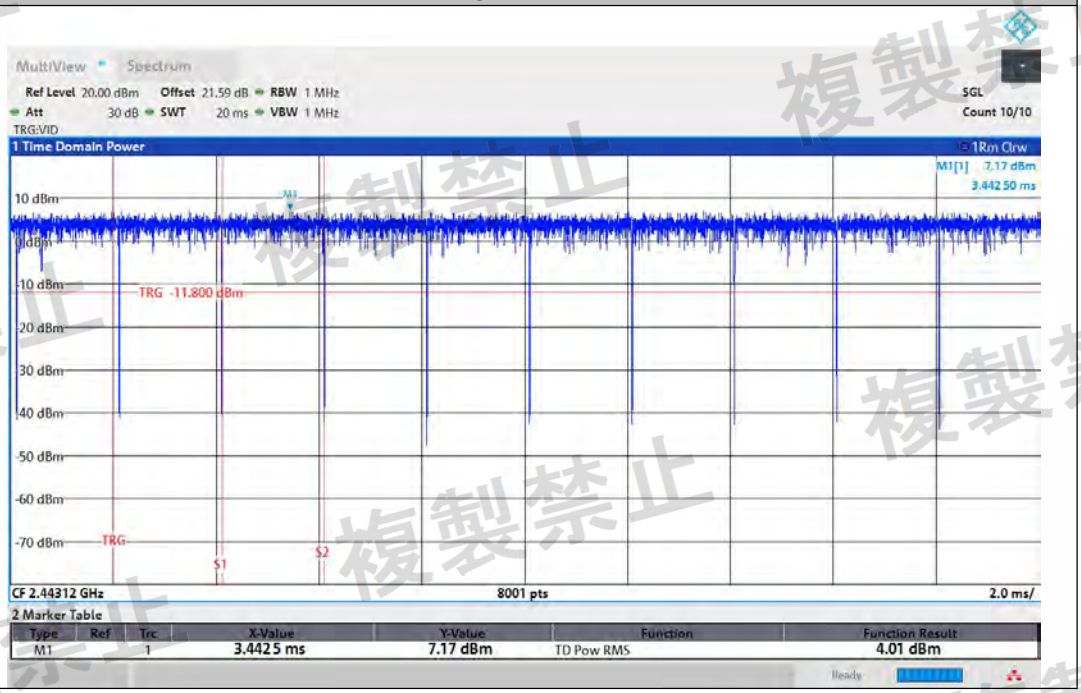


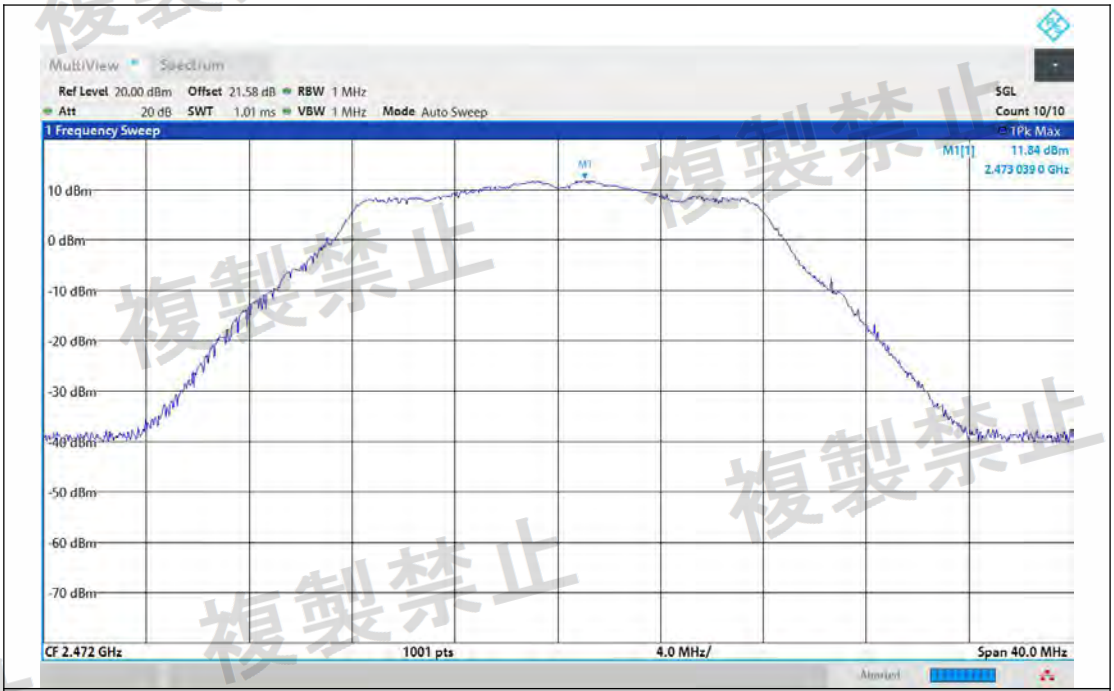
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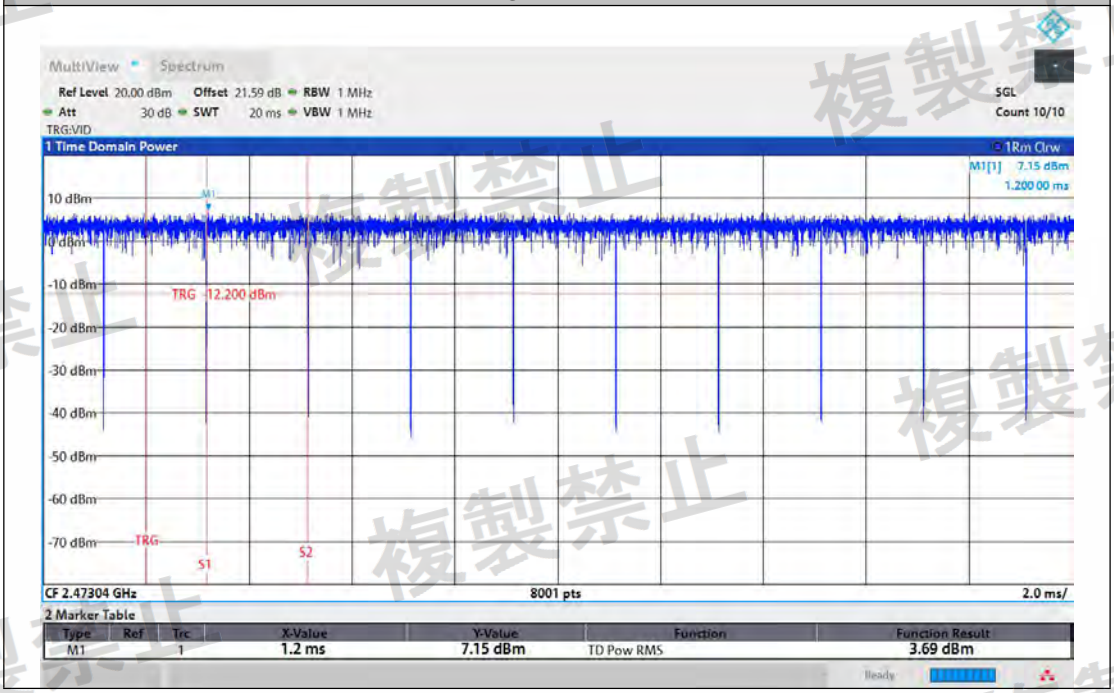


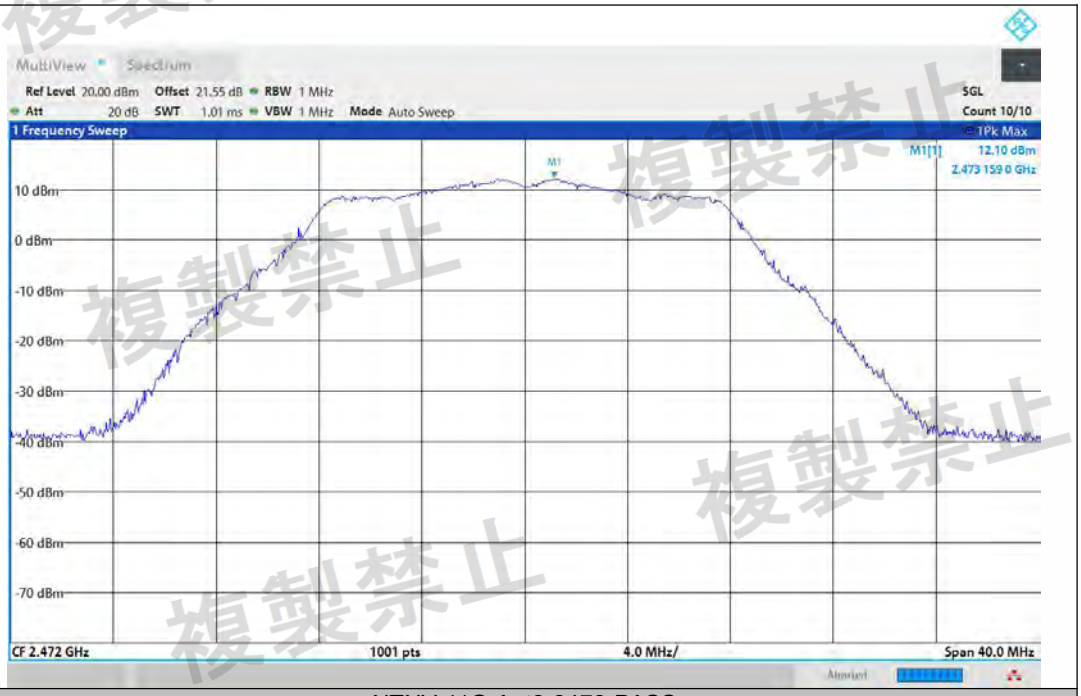
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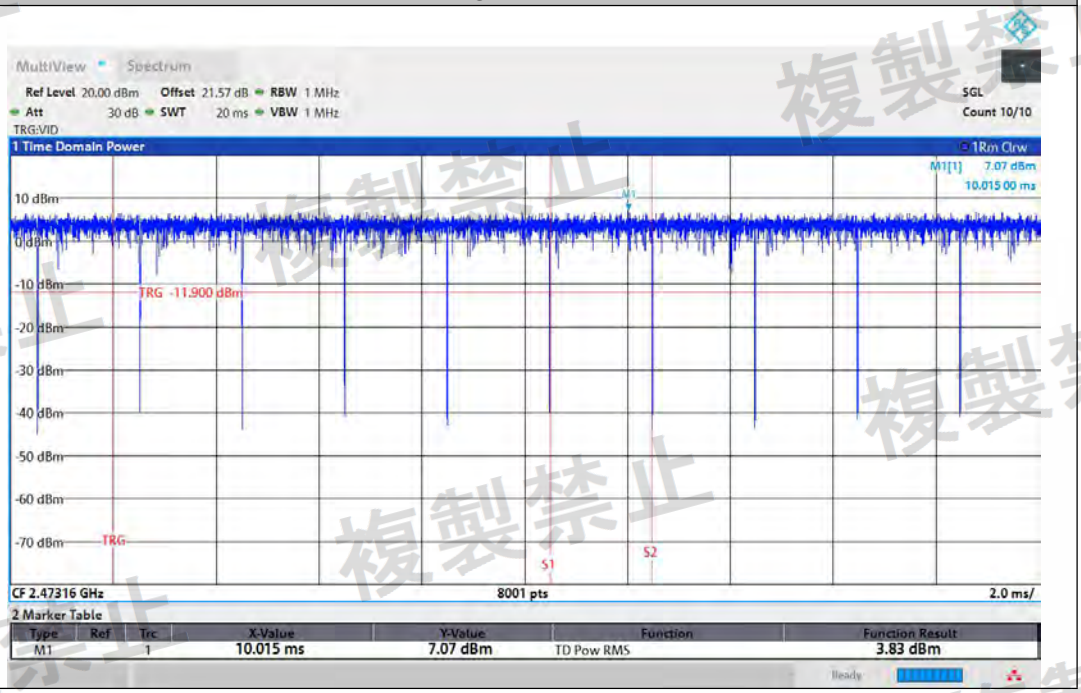


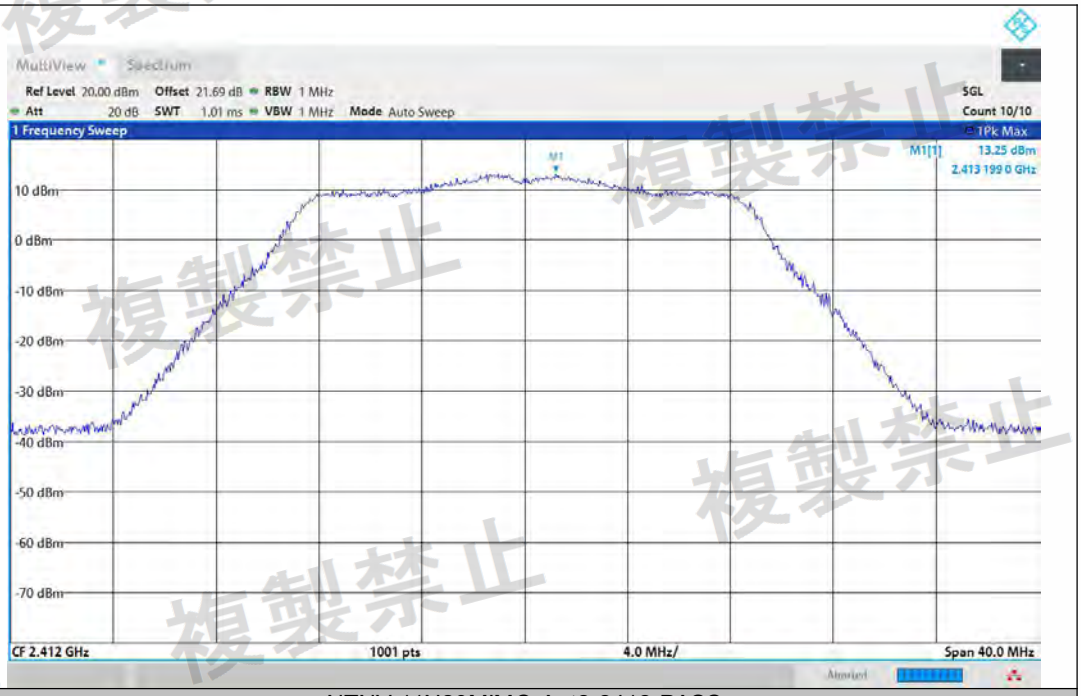
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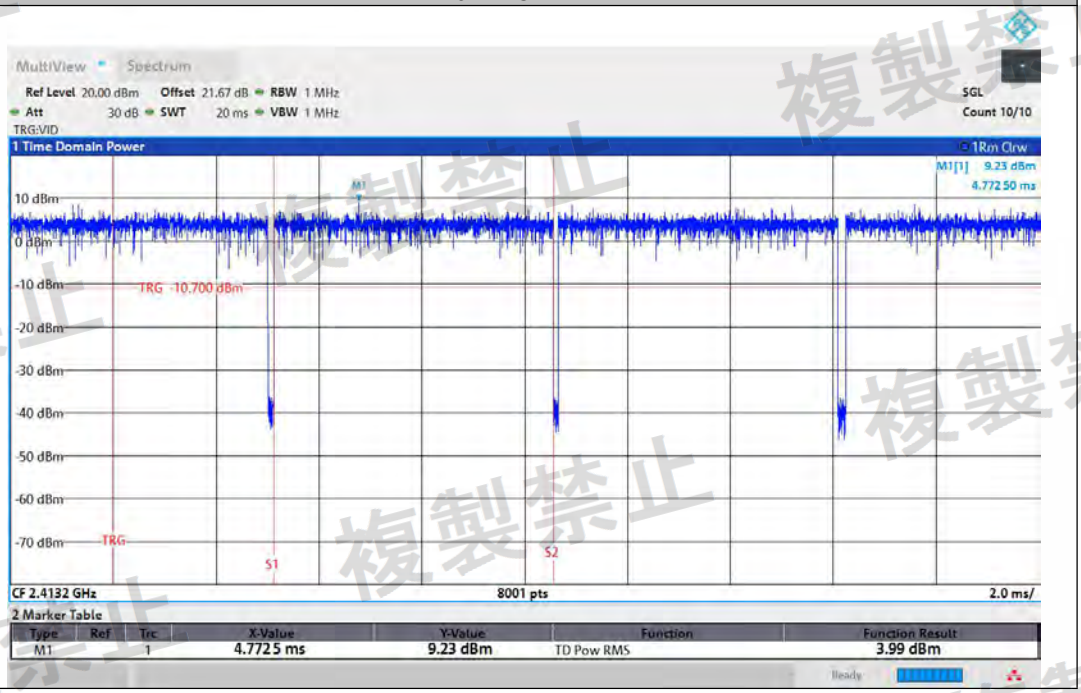


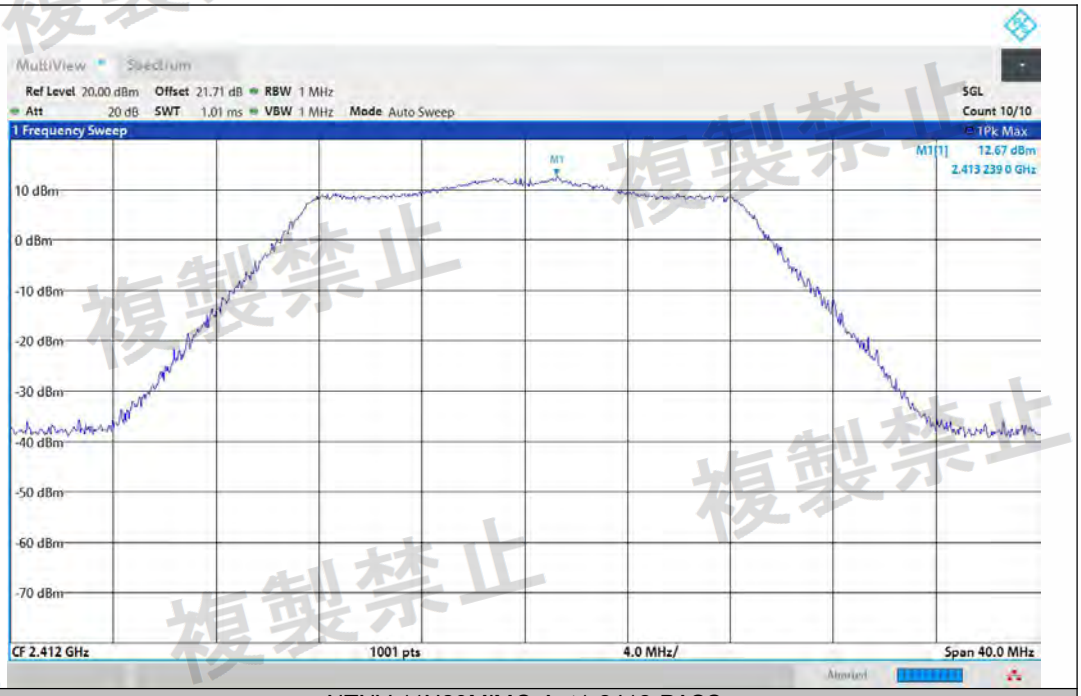
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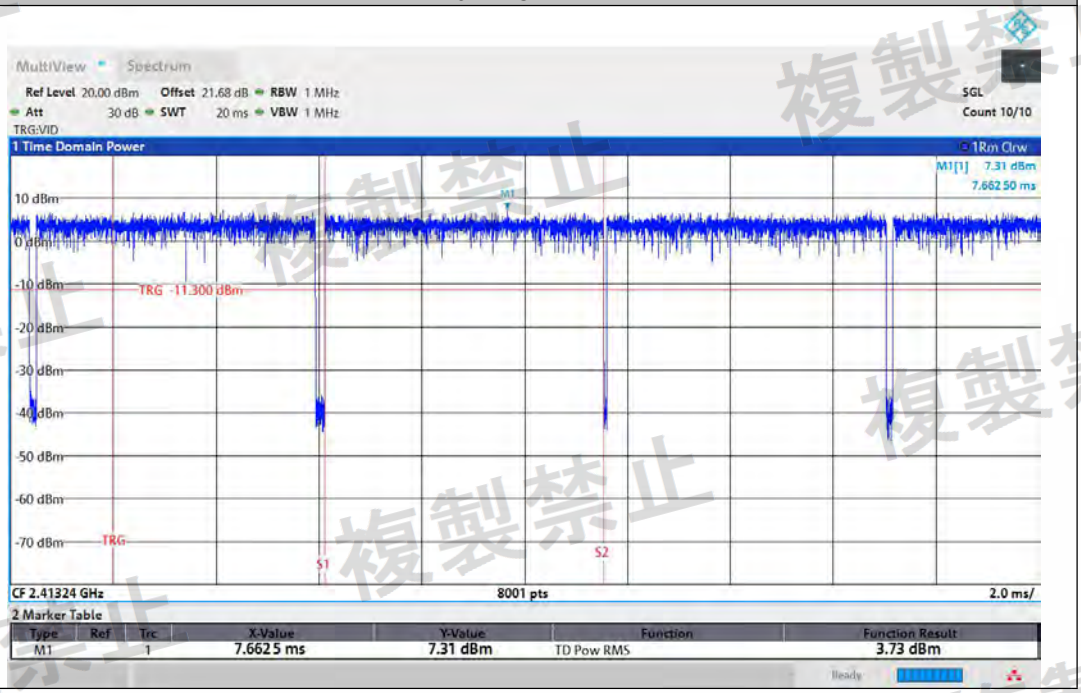


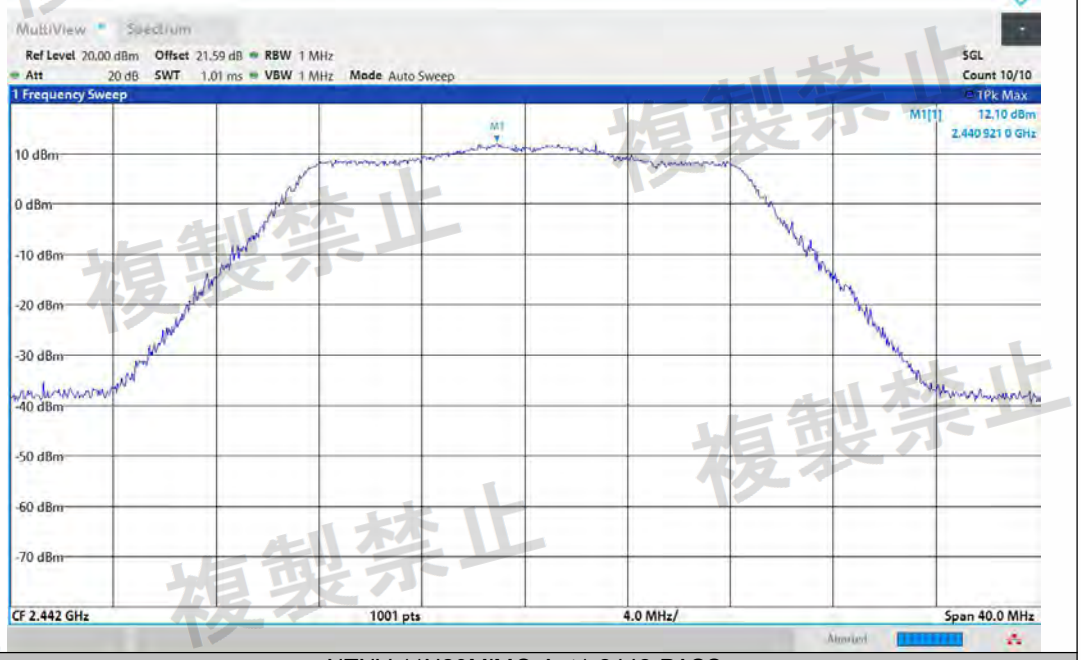
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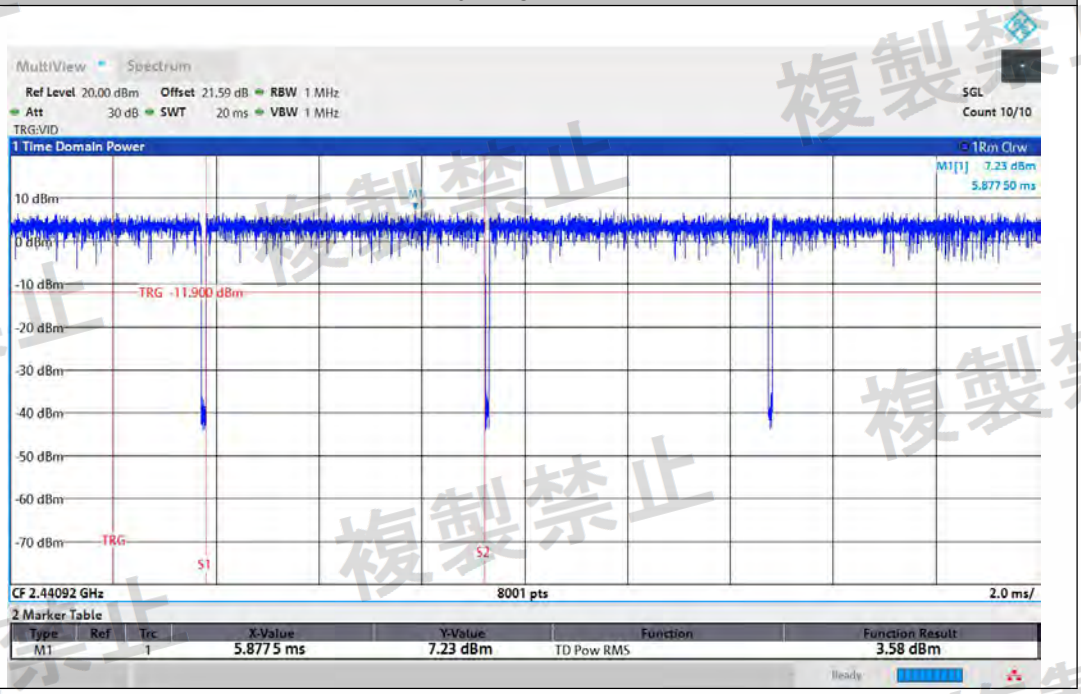


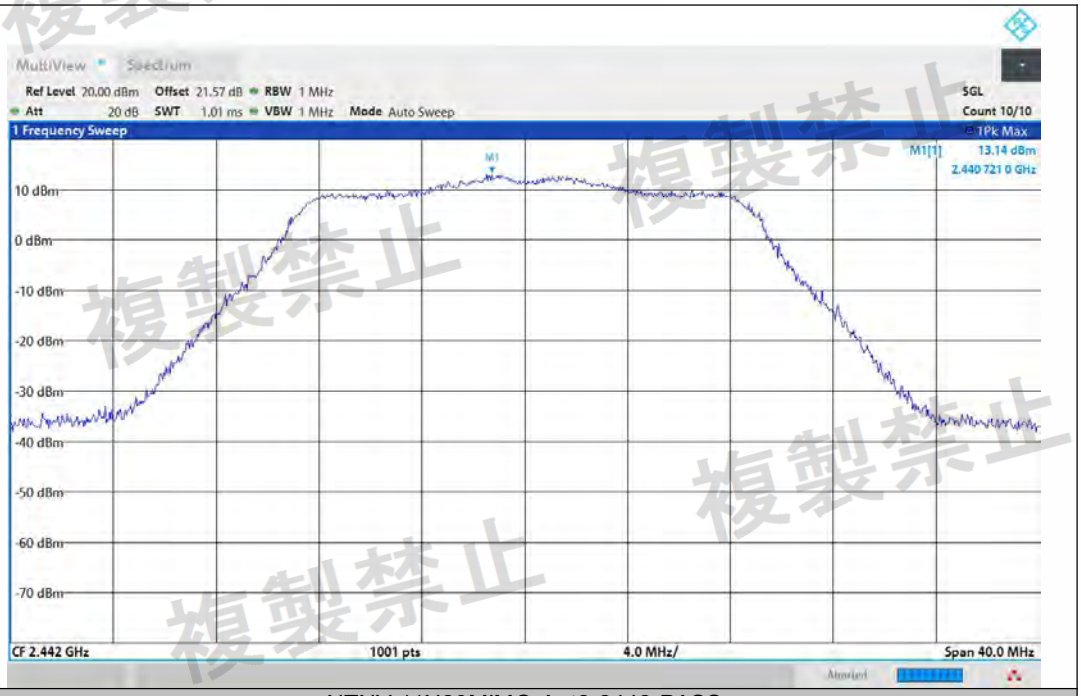
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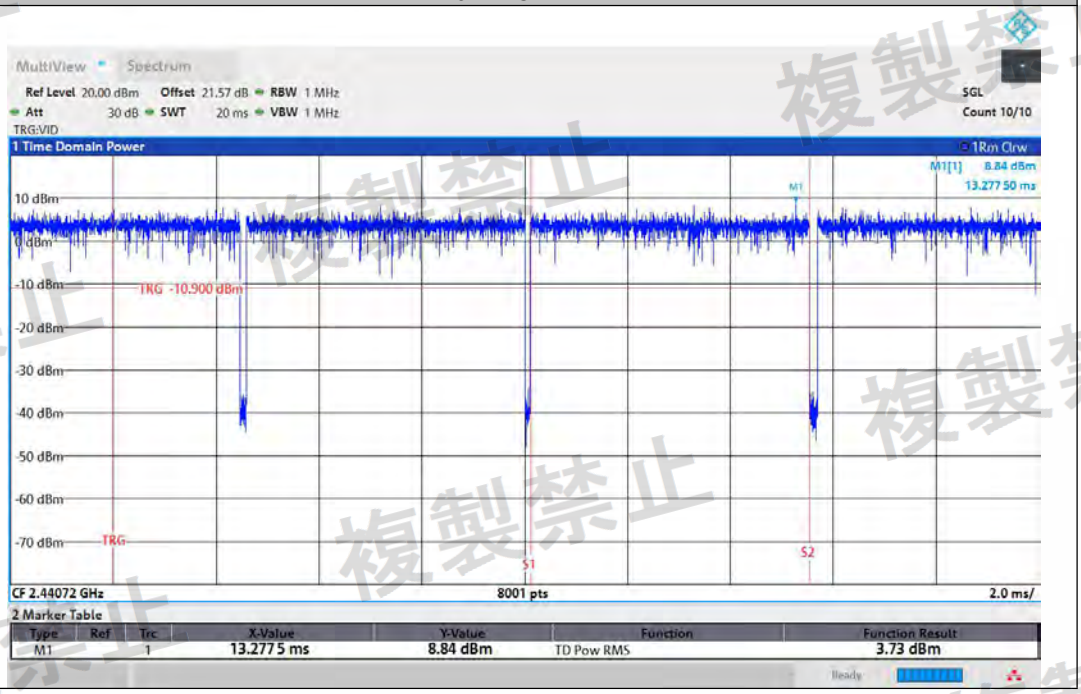


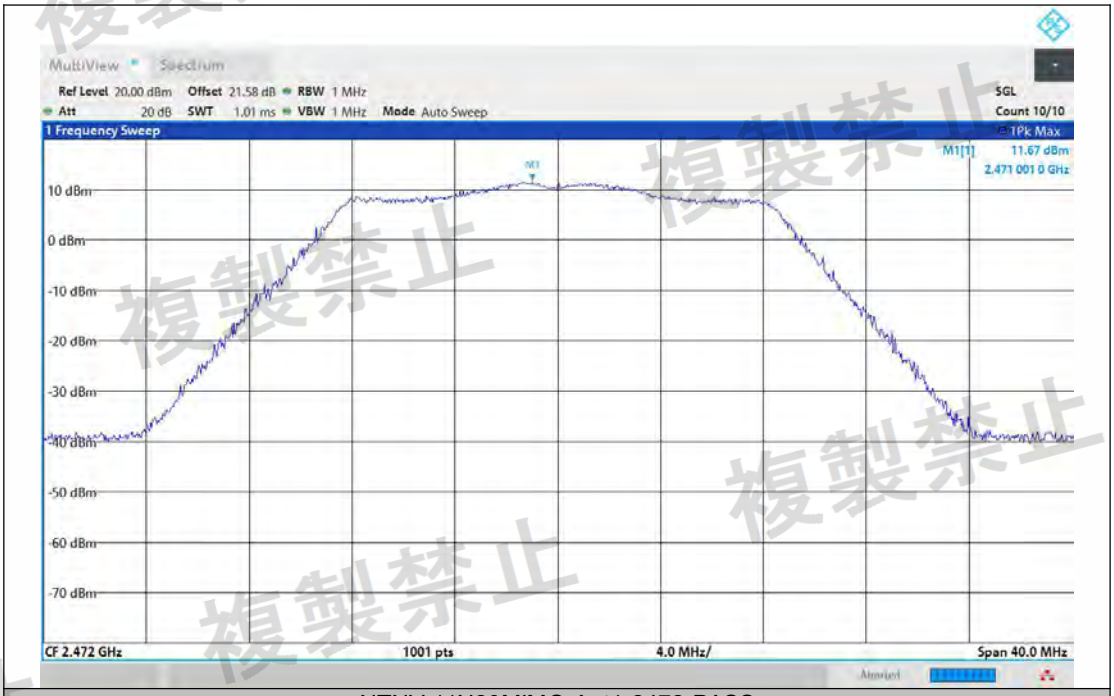
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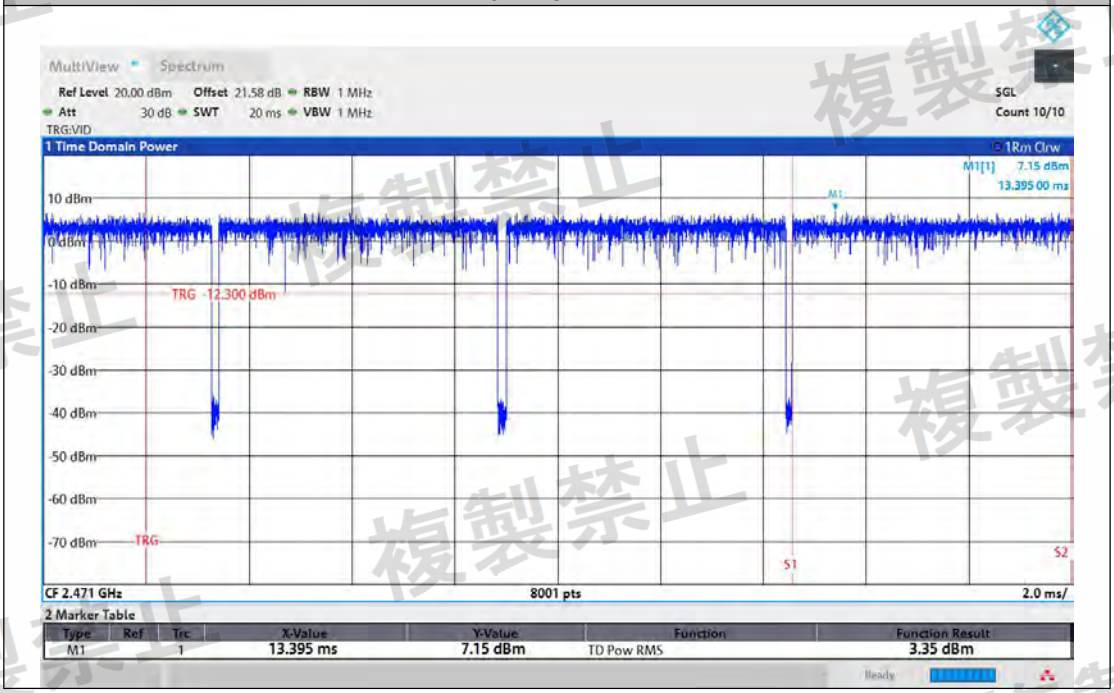


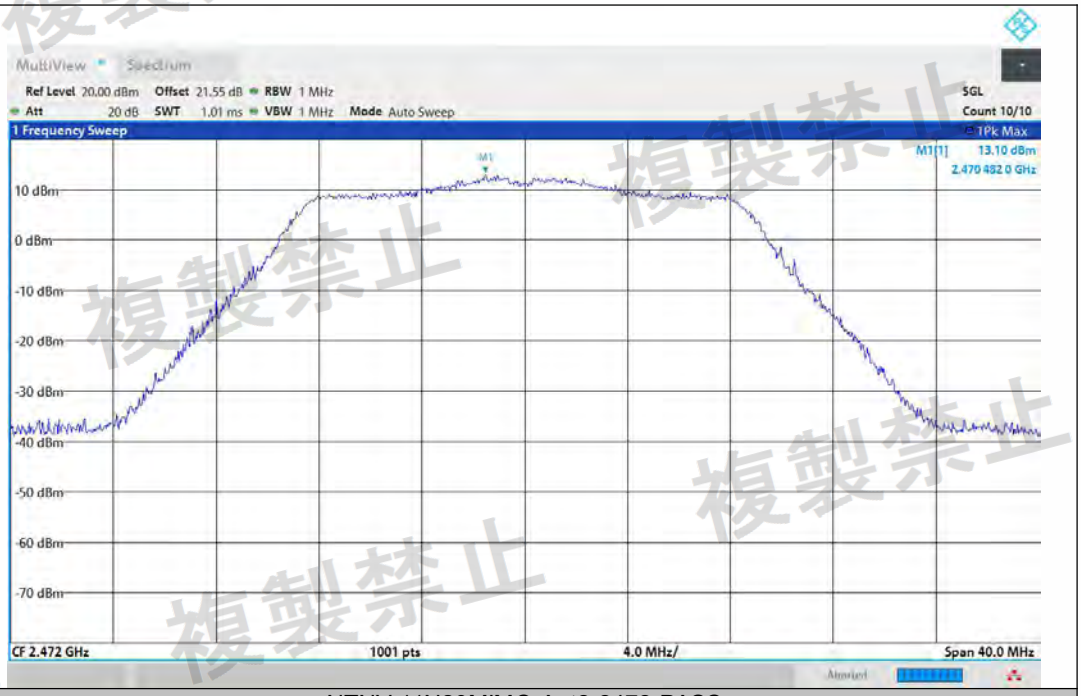
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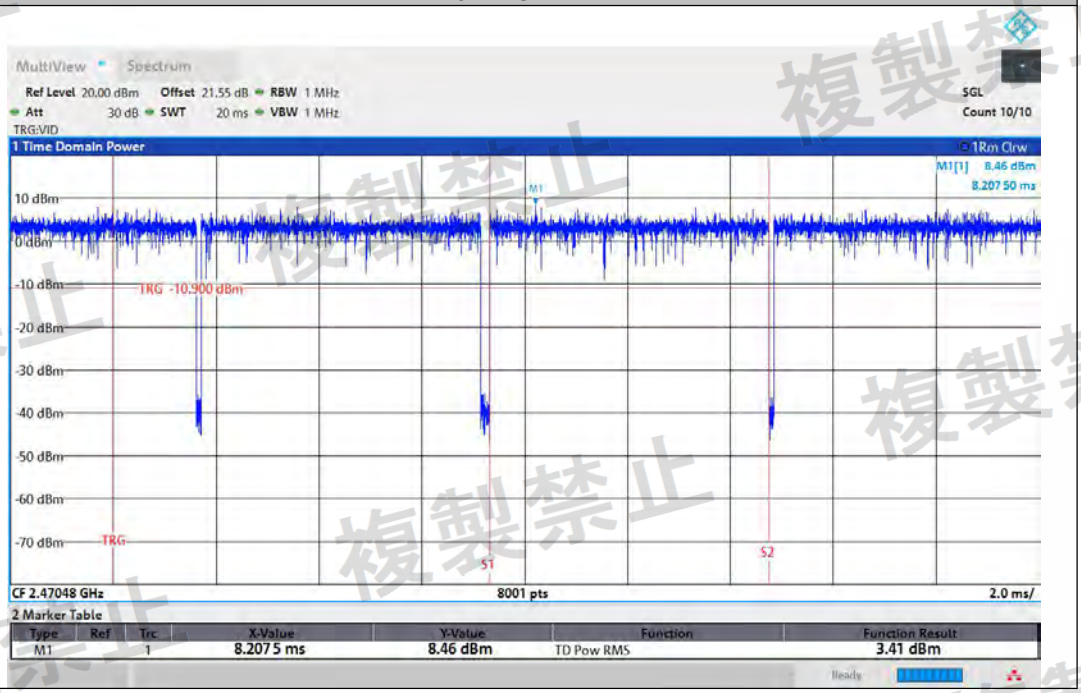


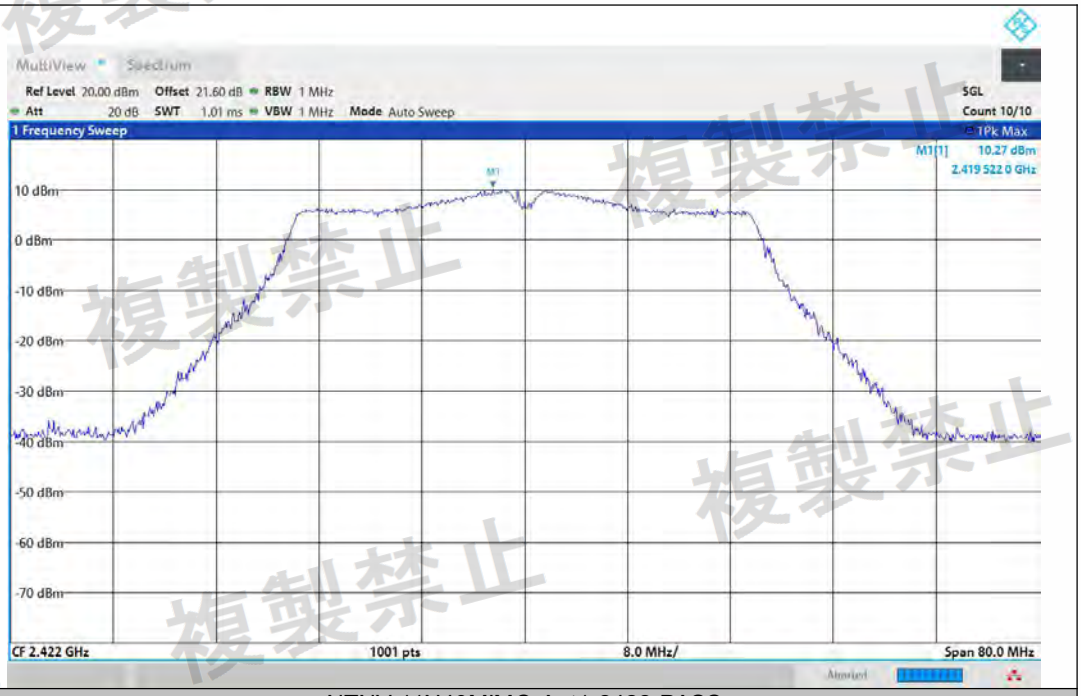
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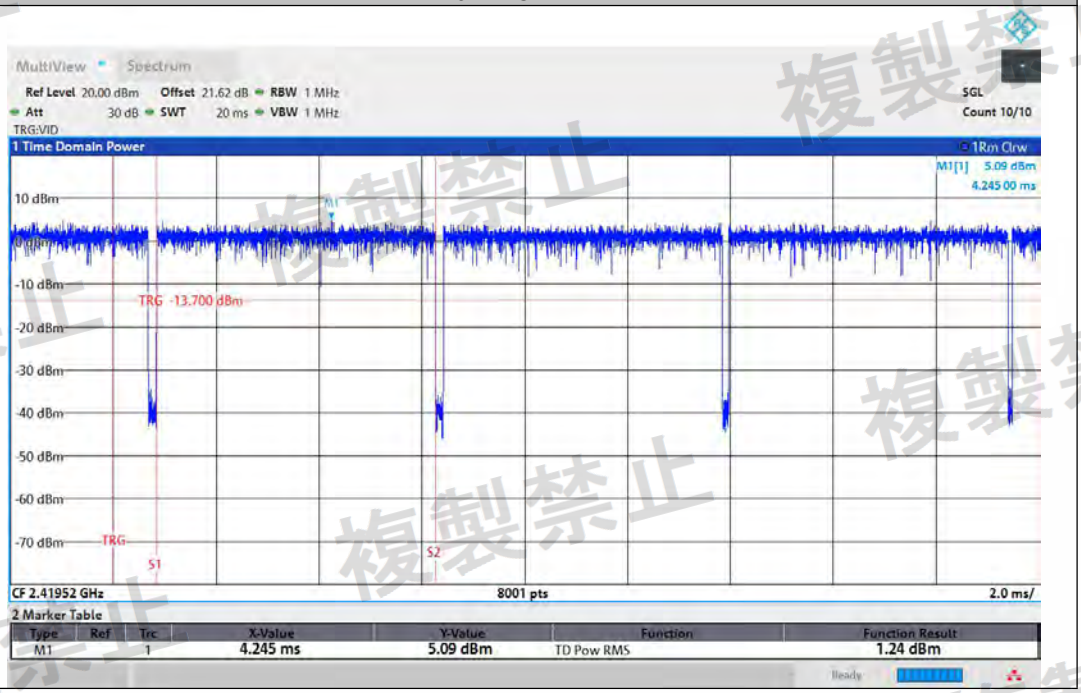


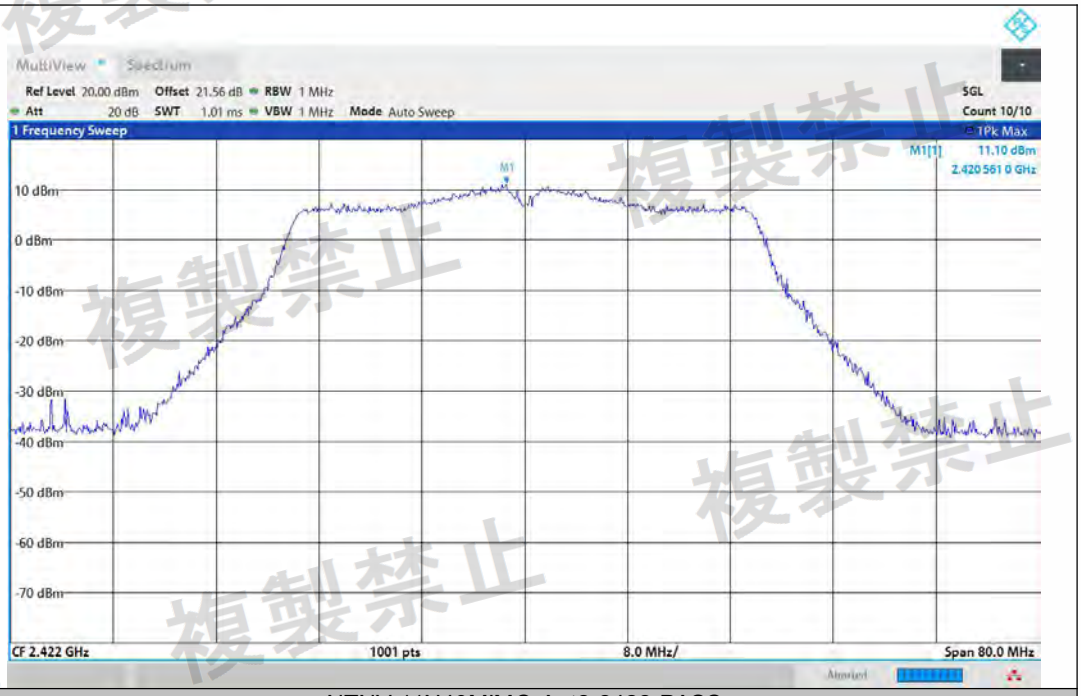
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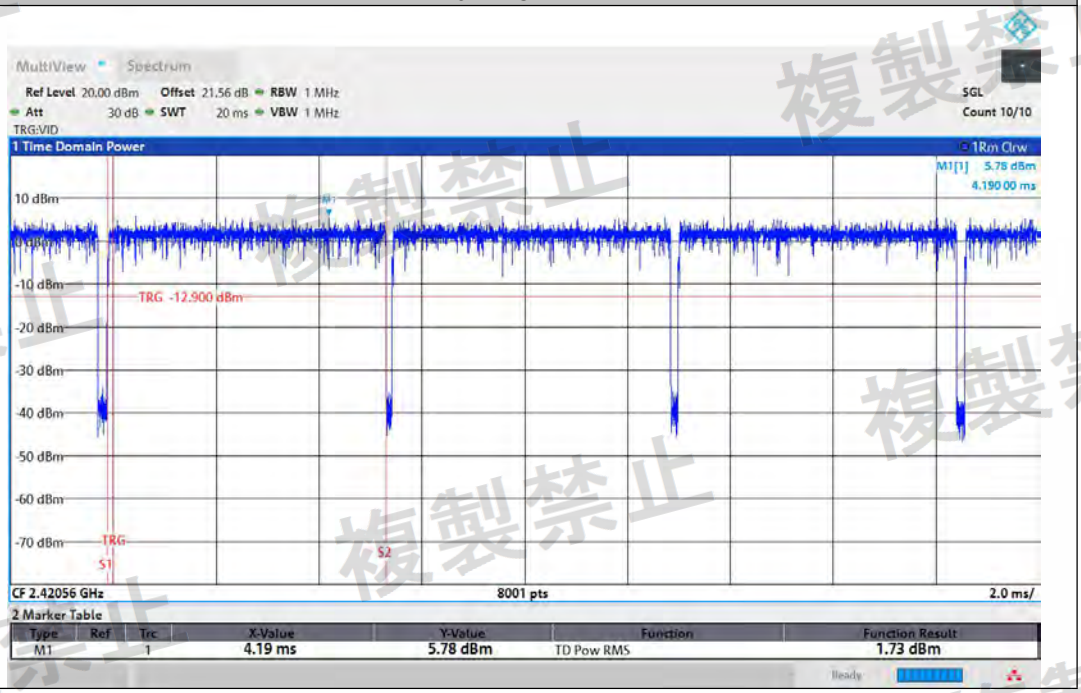


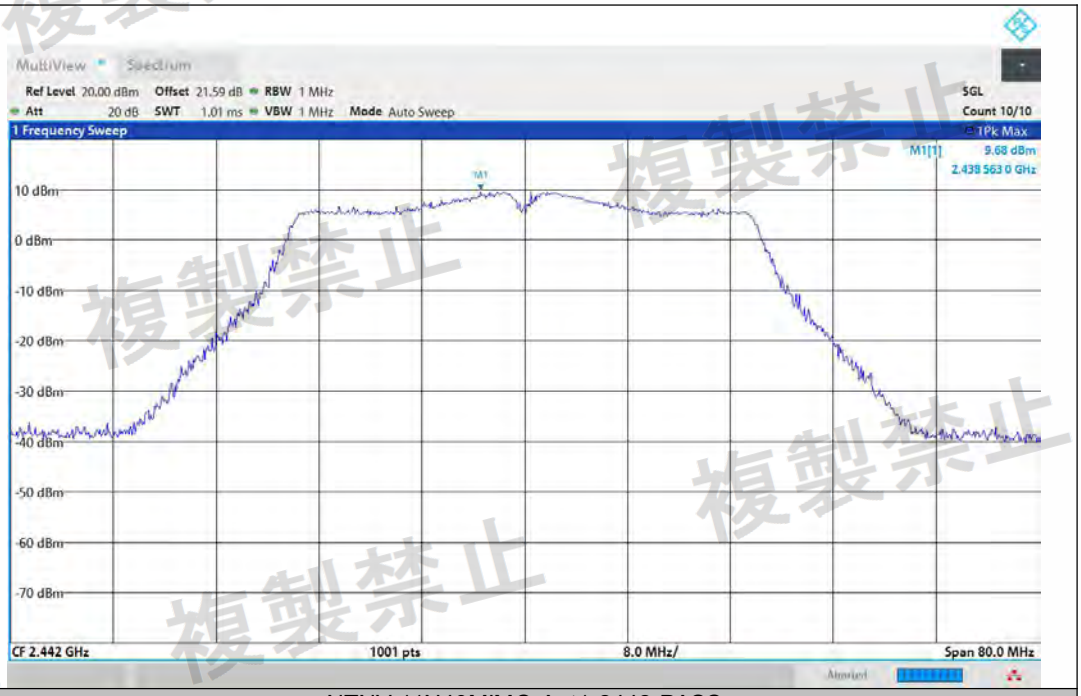
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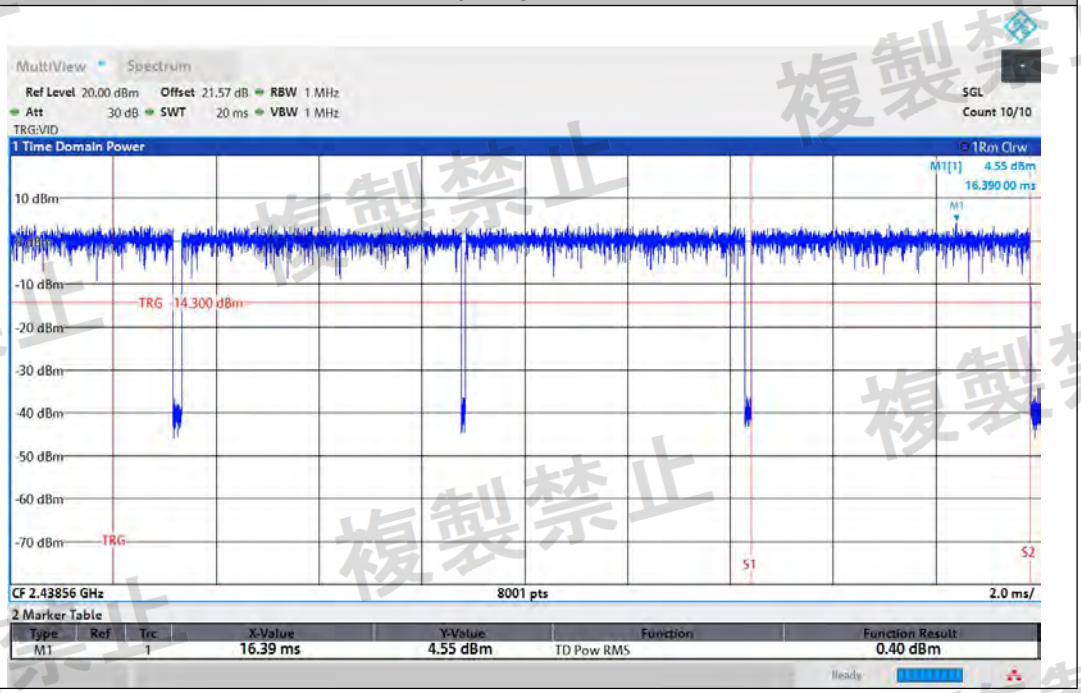


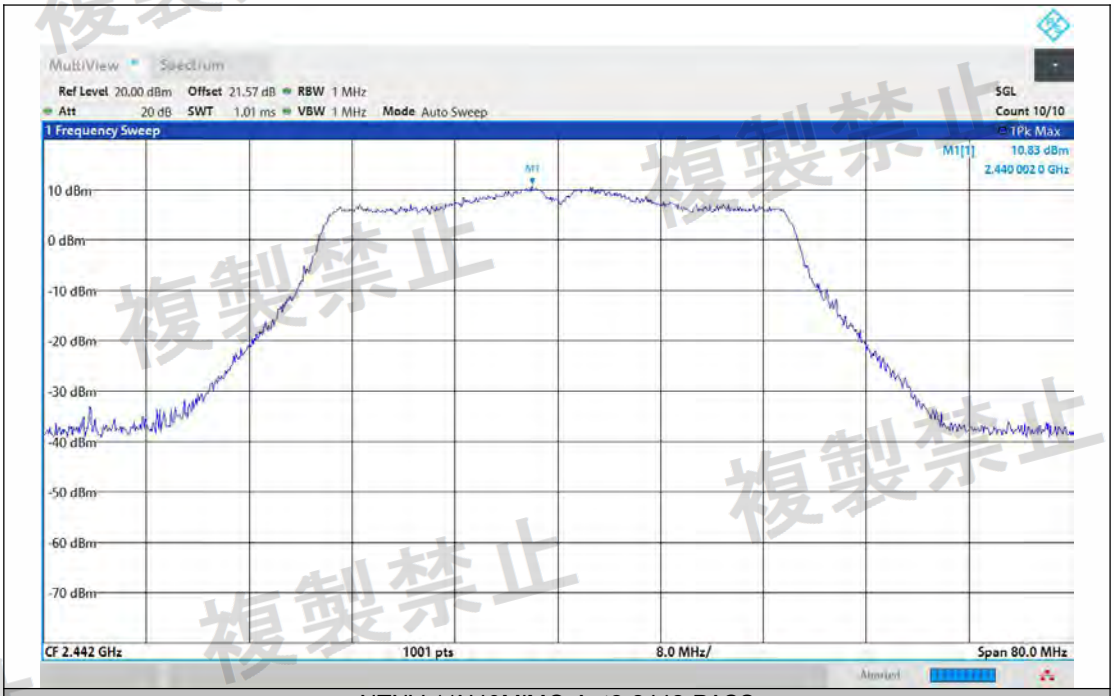
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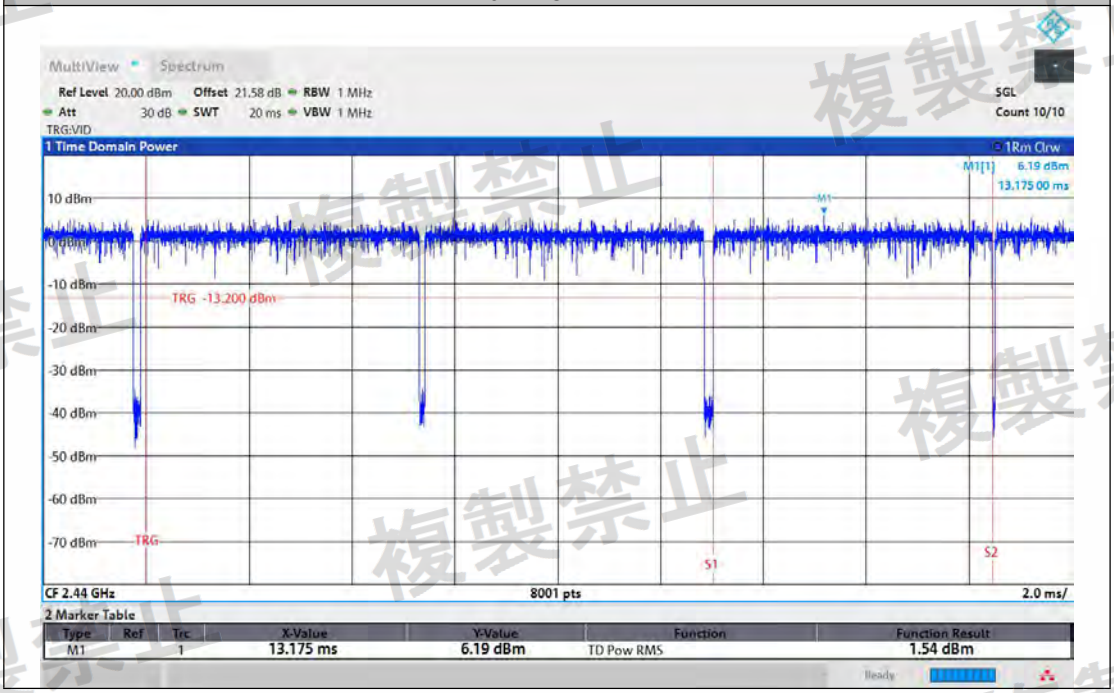


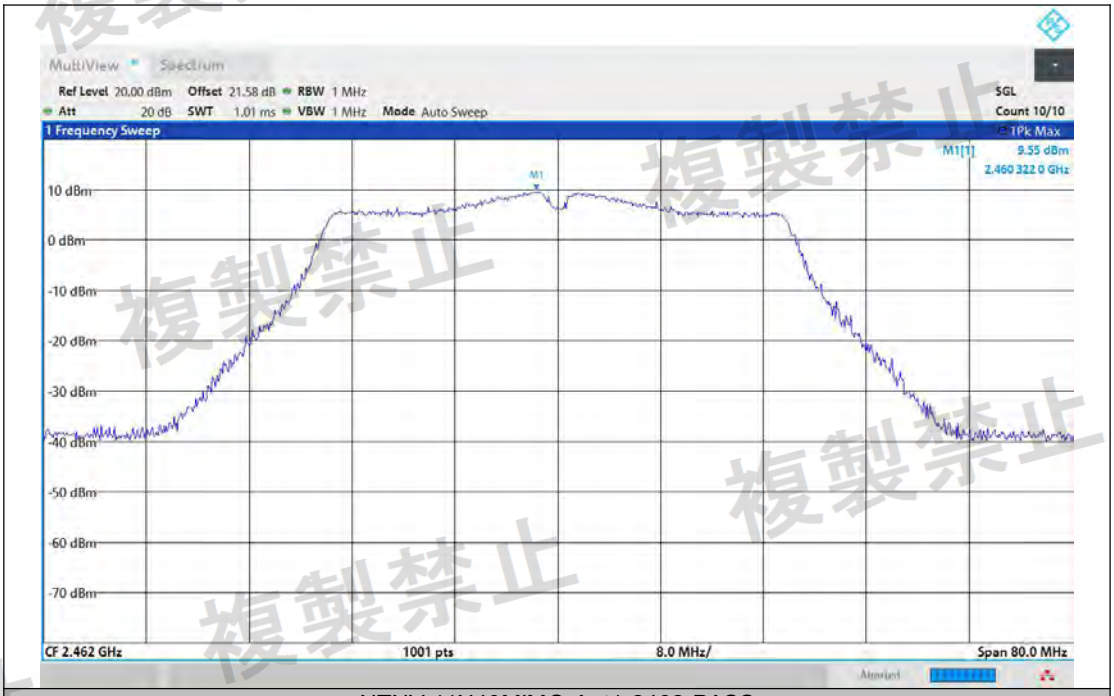
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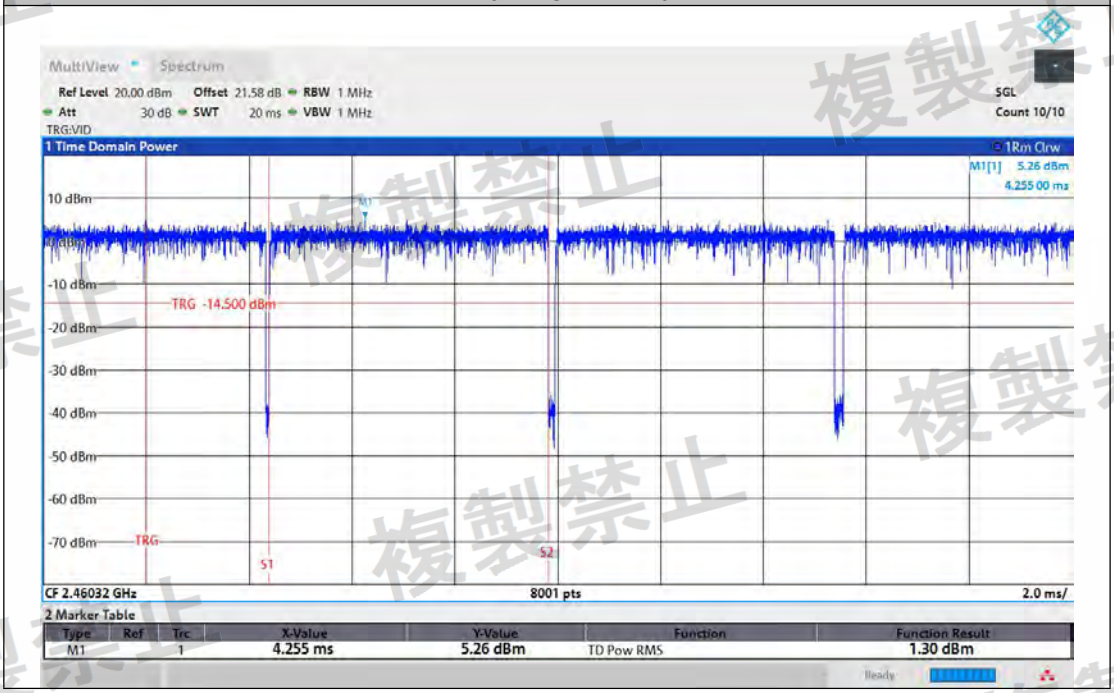


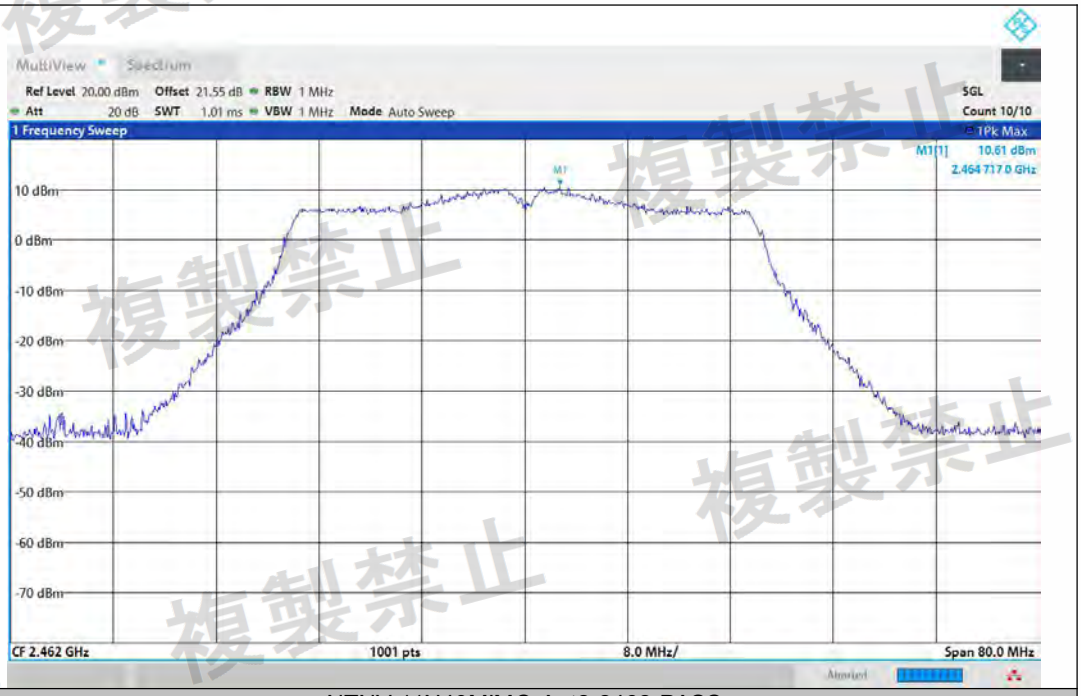
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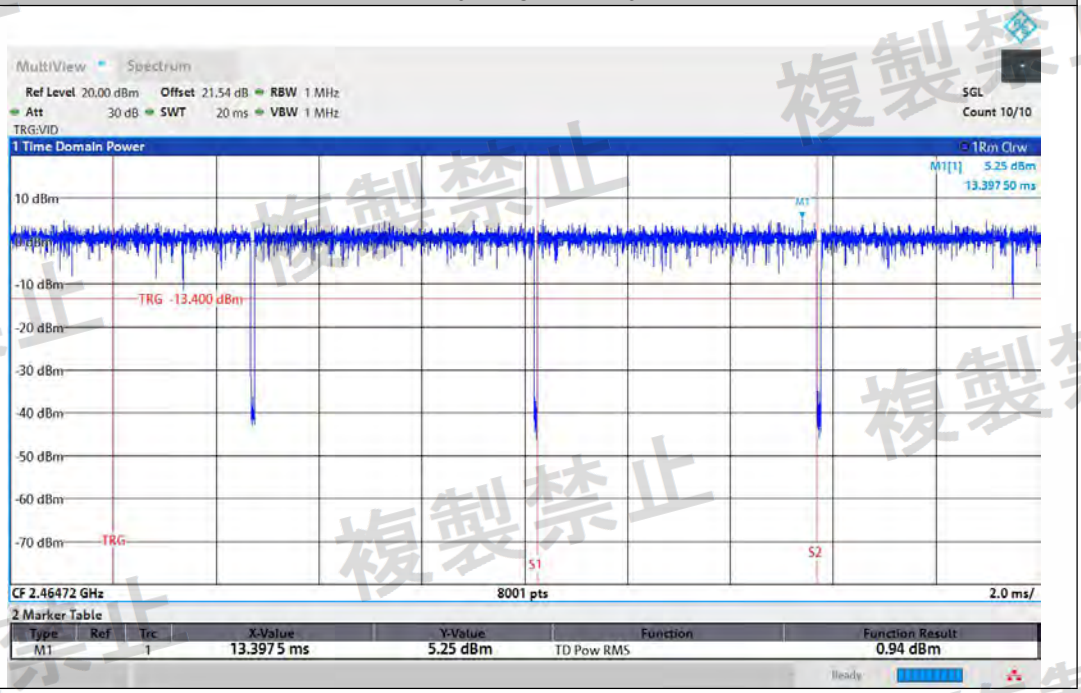


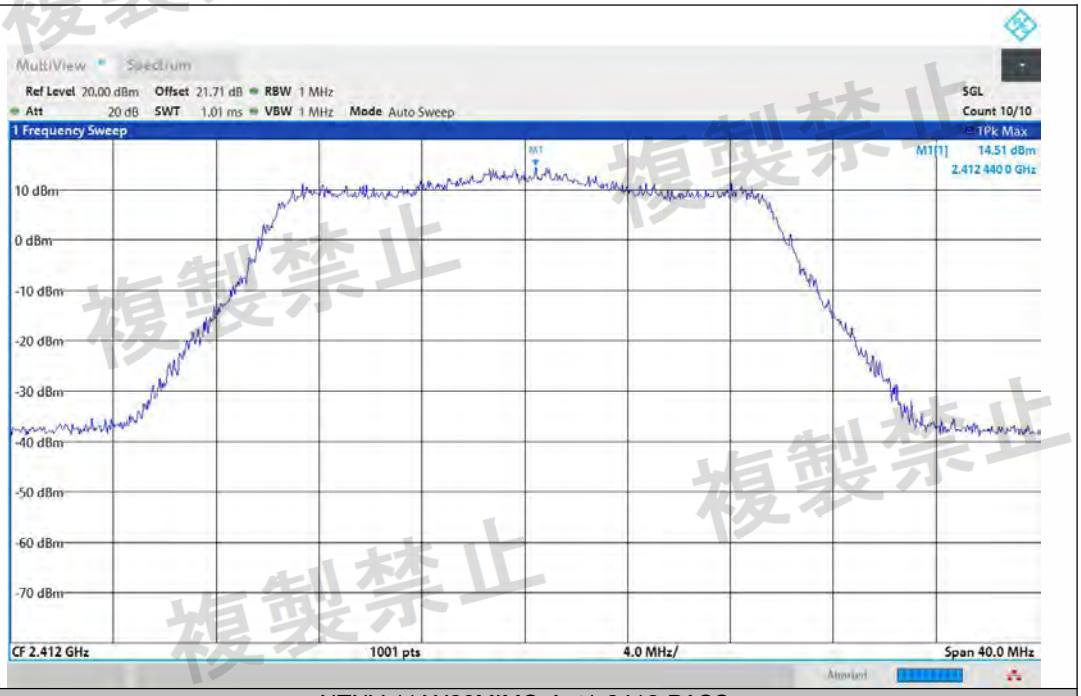
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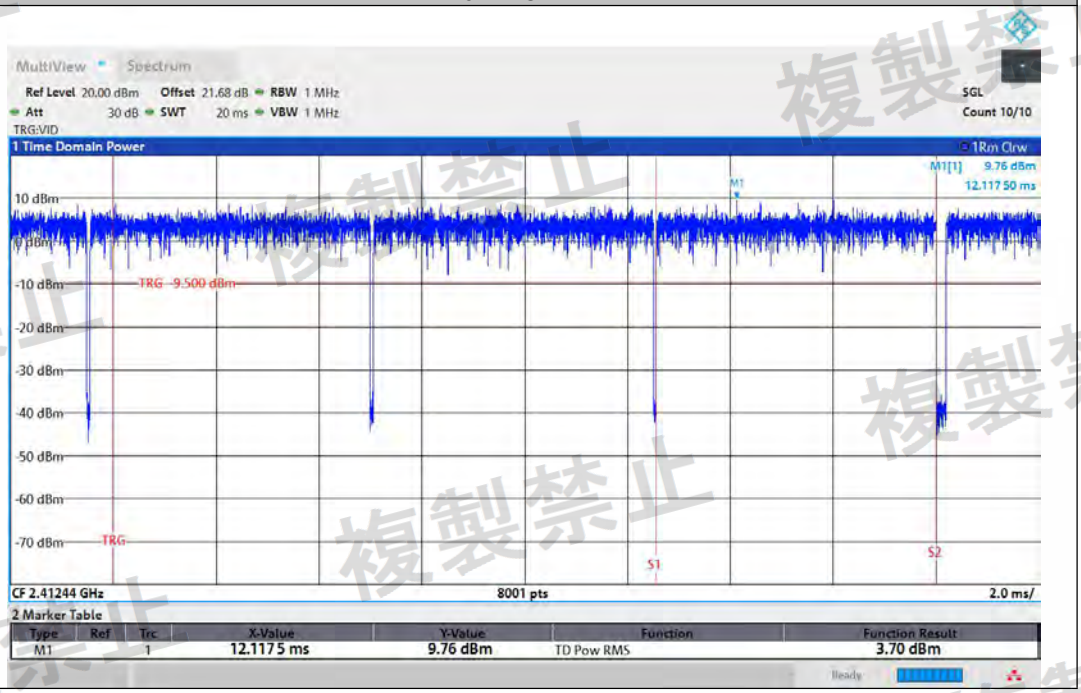


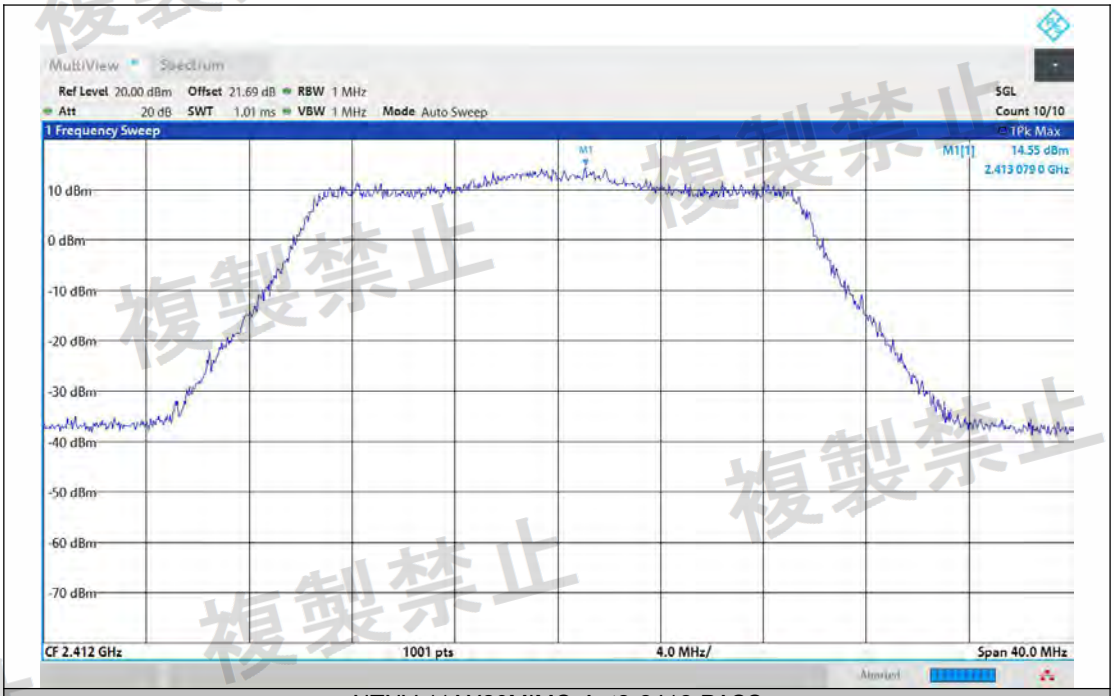
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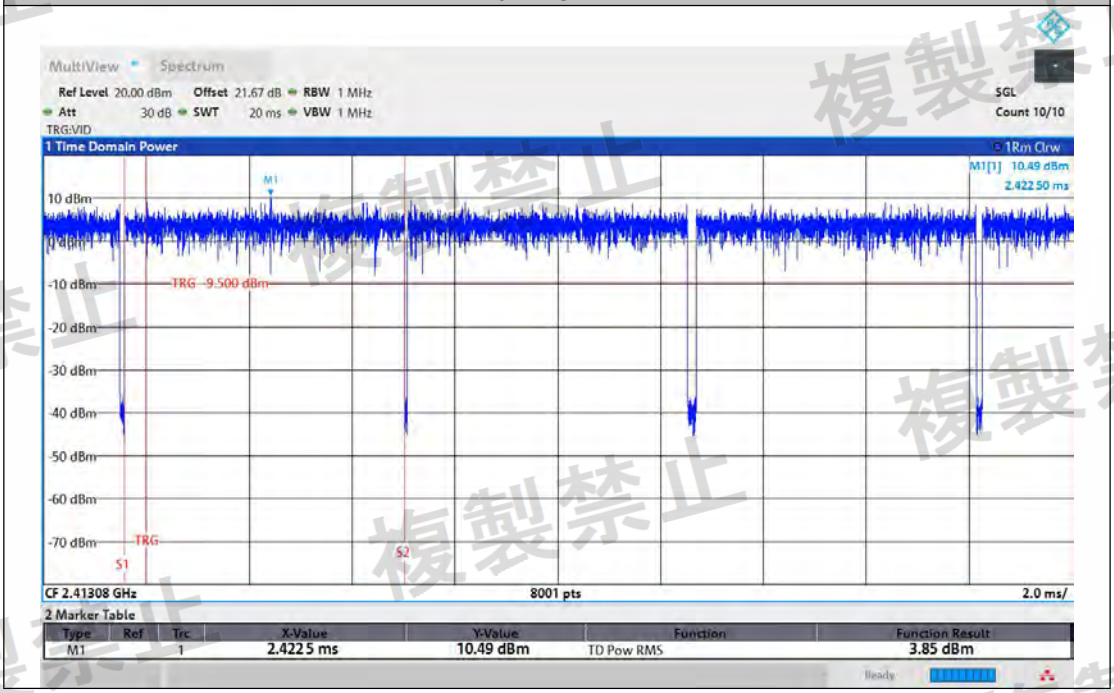


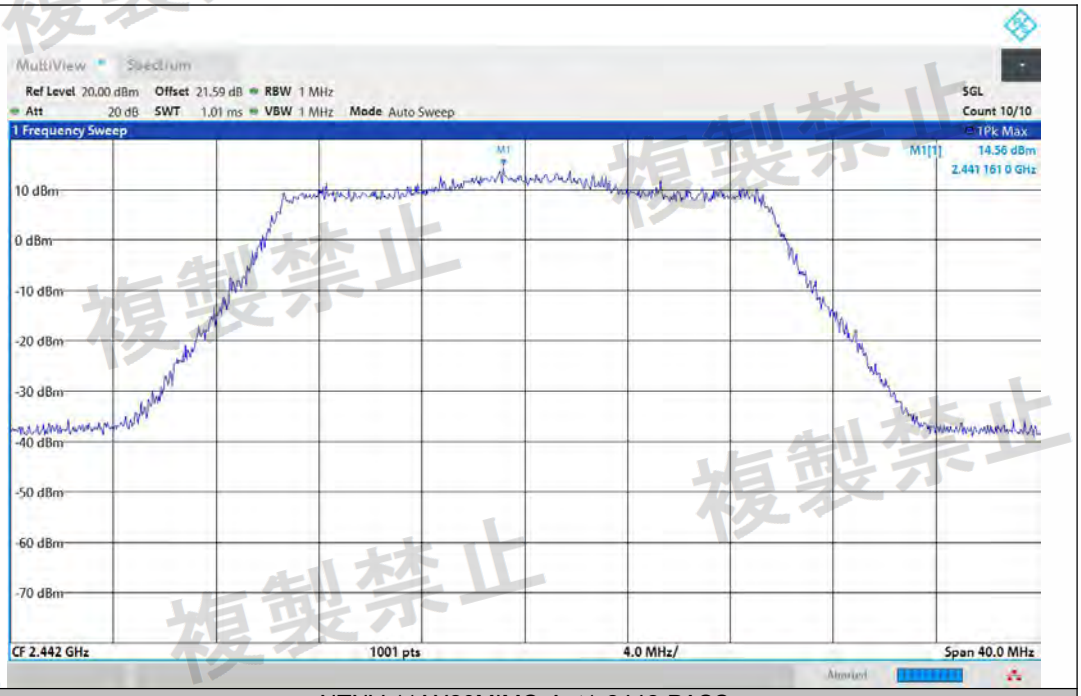
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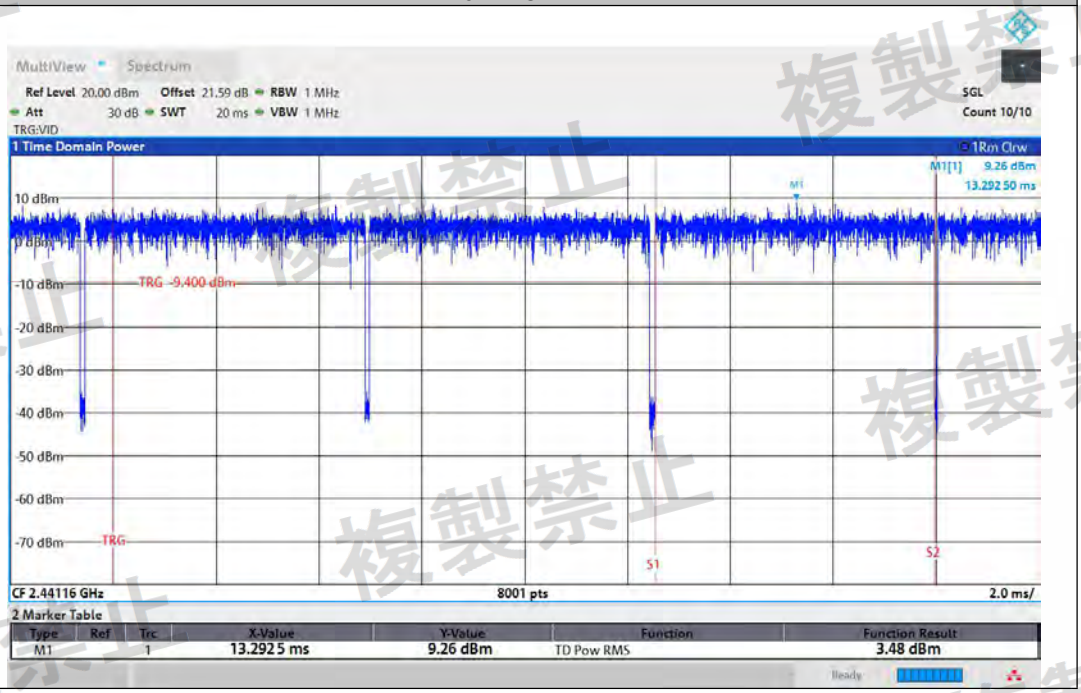


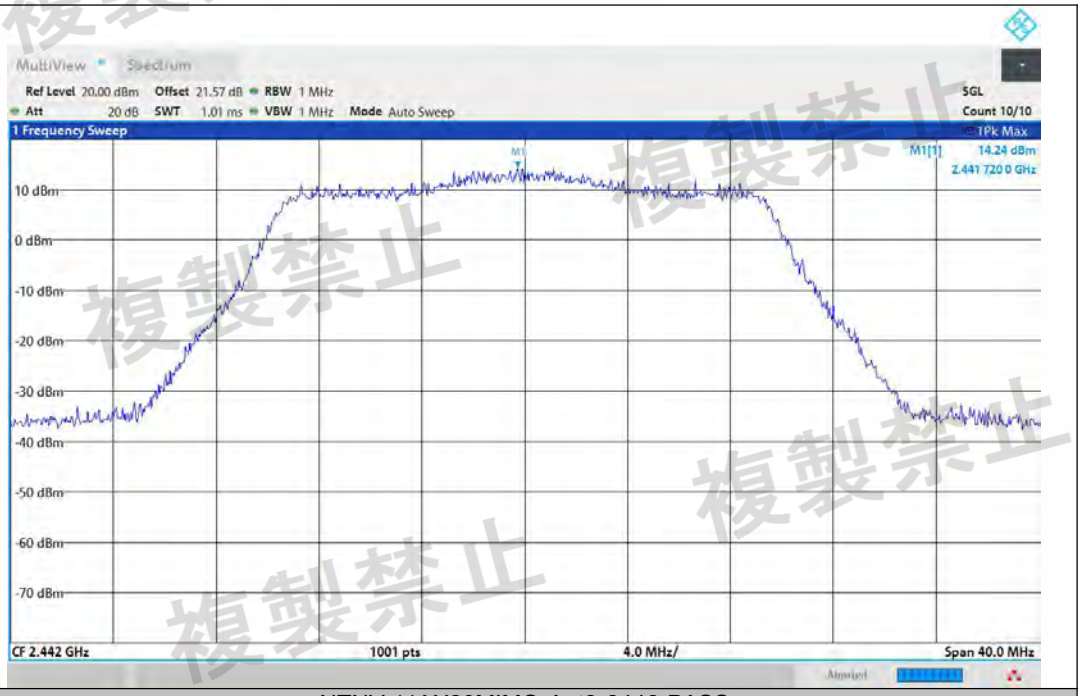
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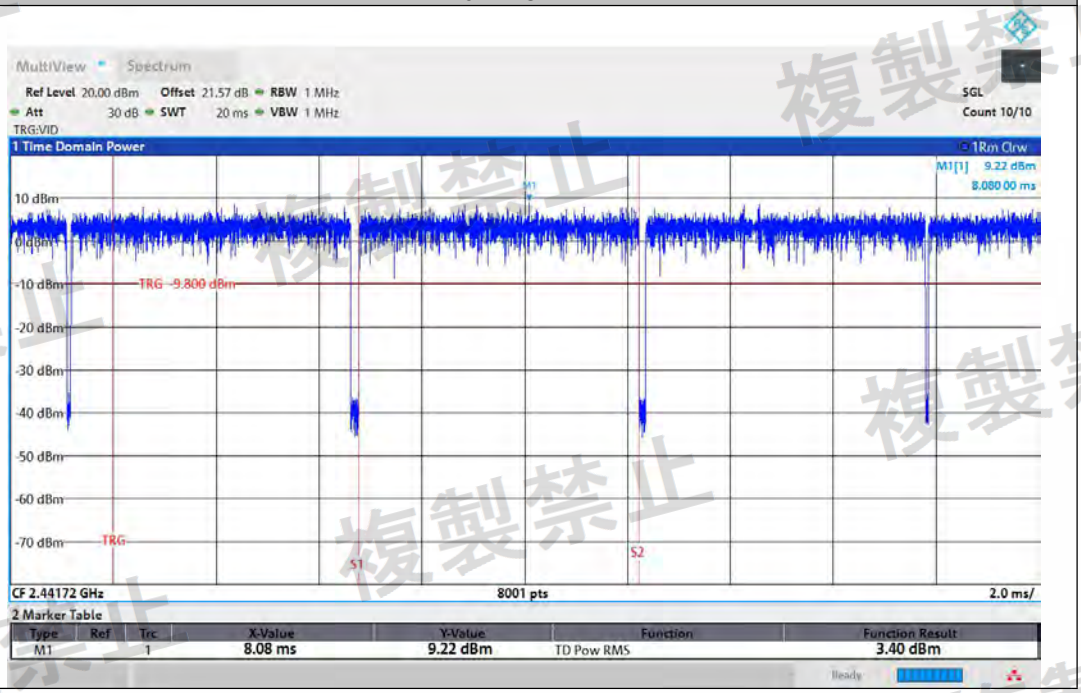


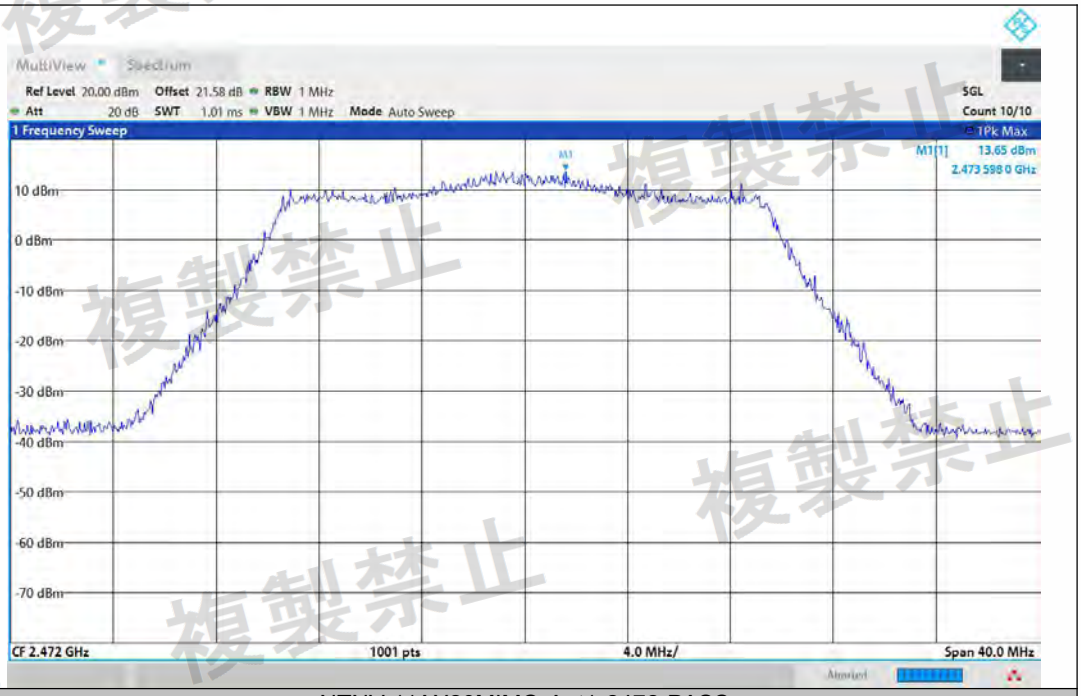
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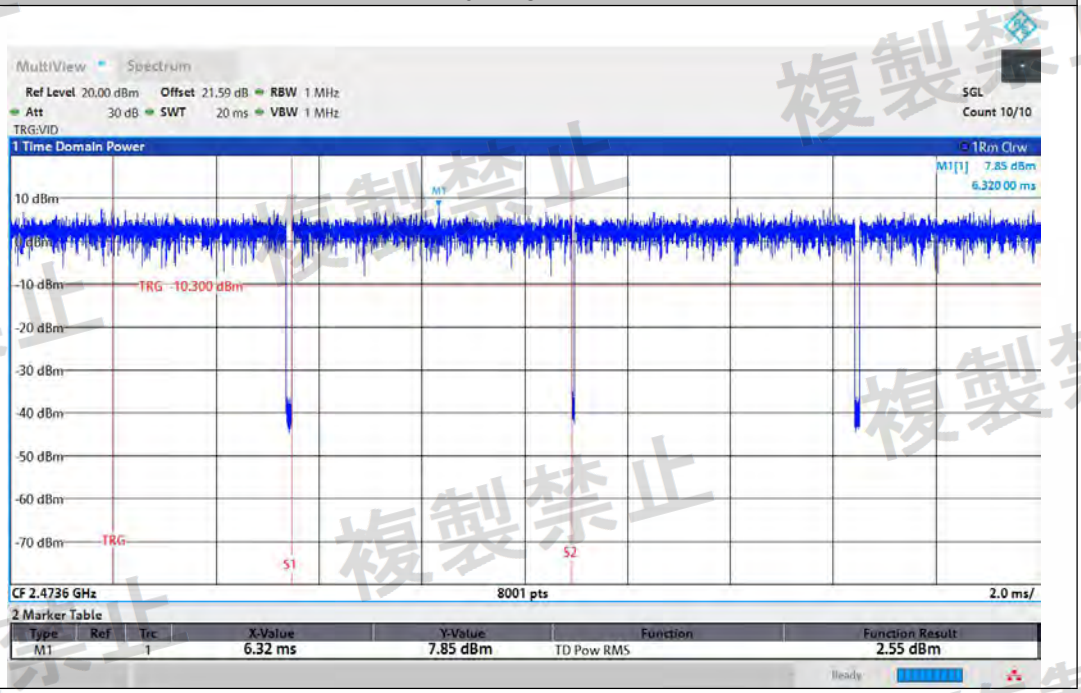


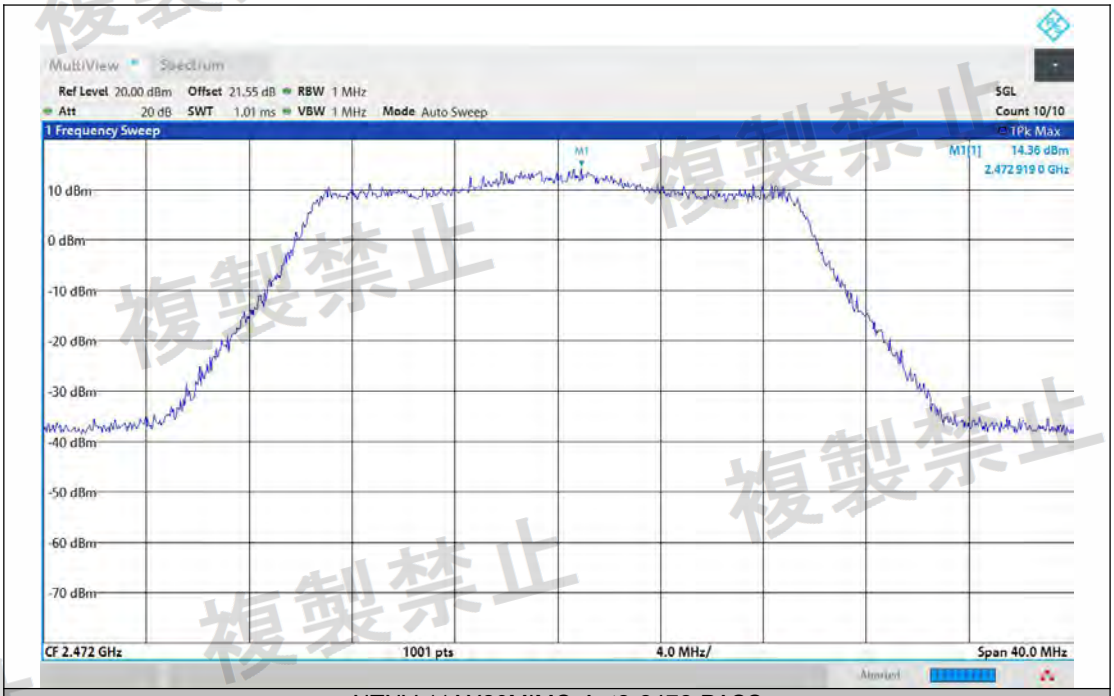
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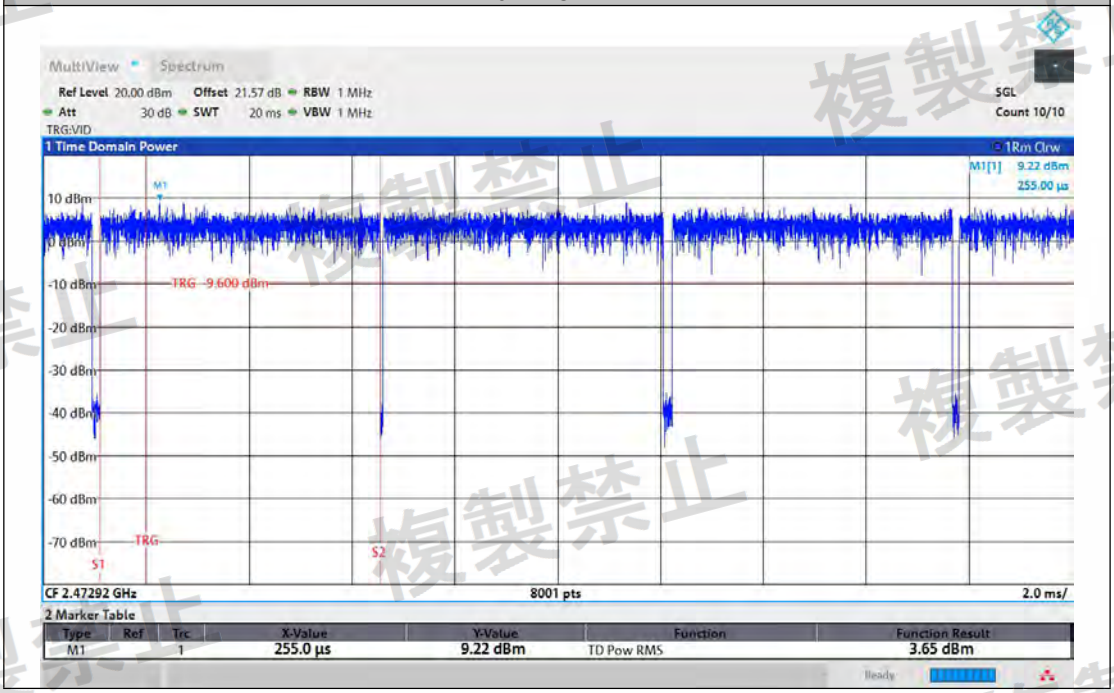


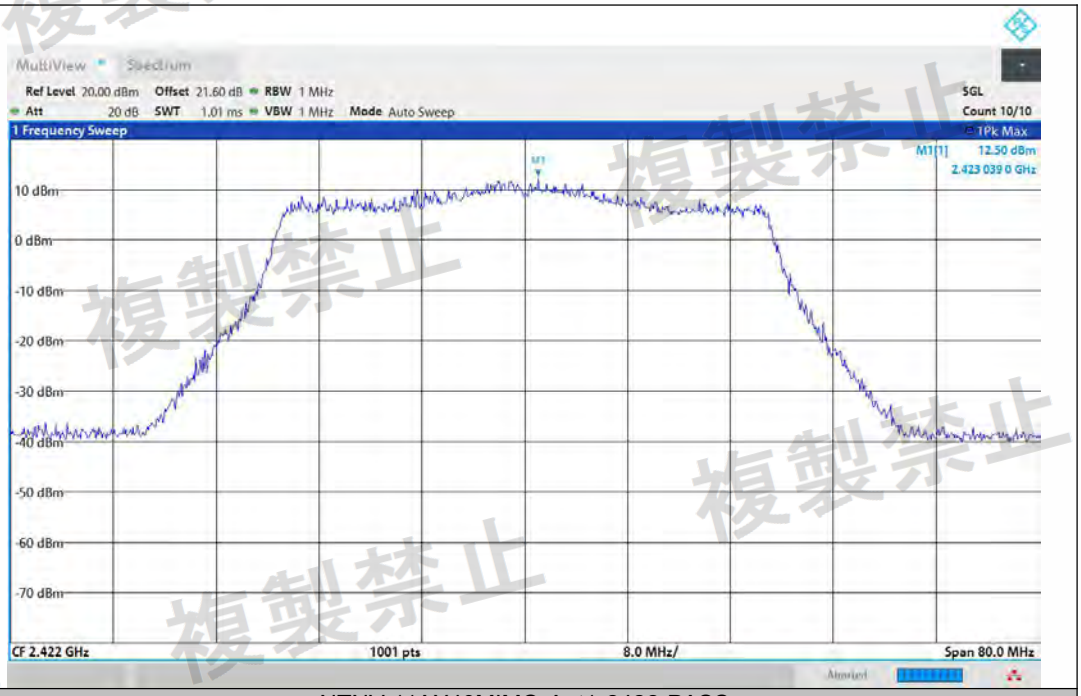
NTNV-11AX20MIMO-Ant1-2472-PASS



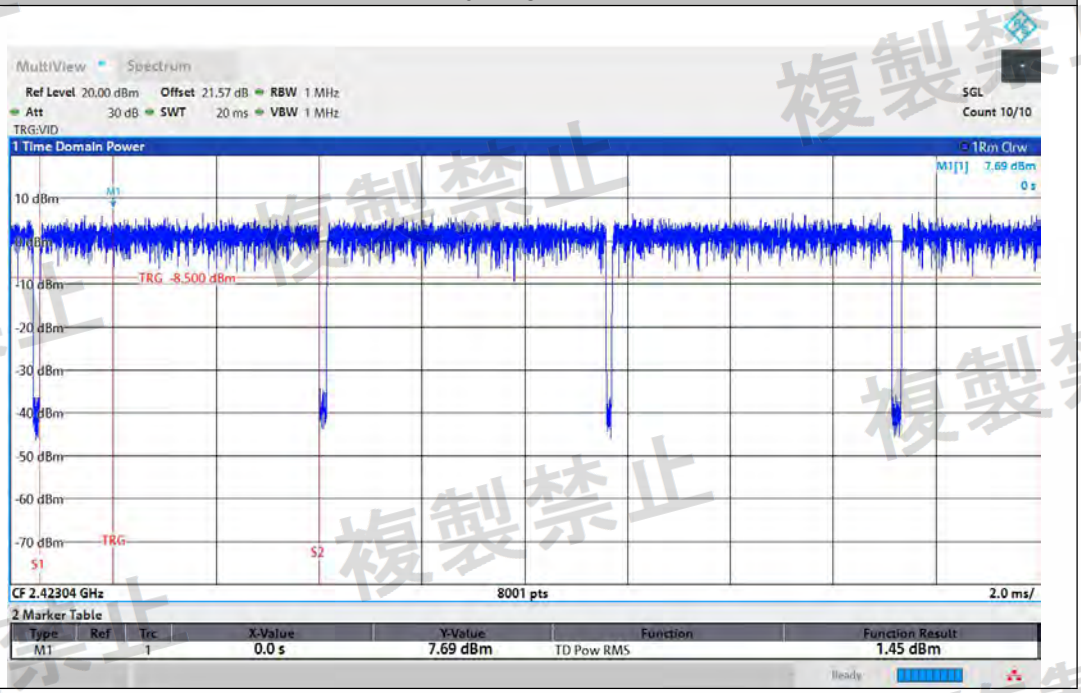


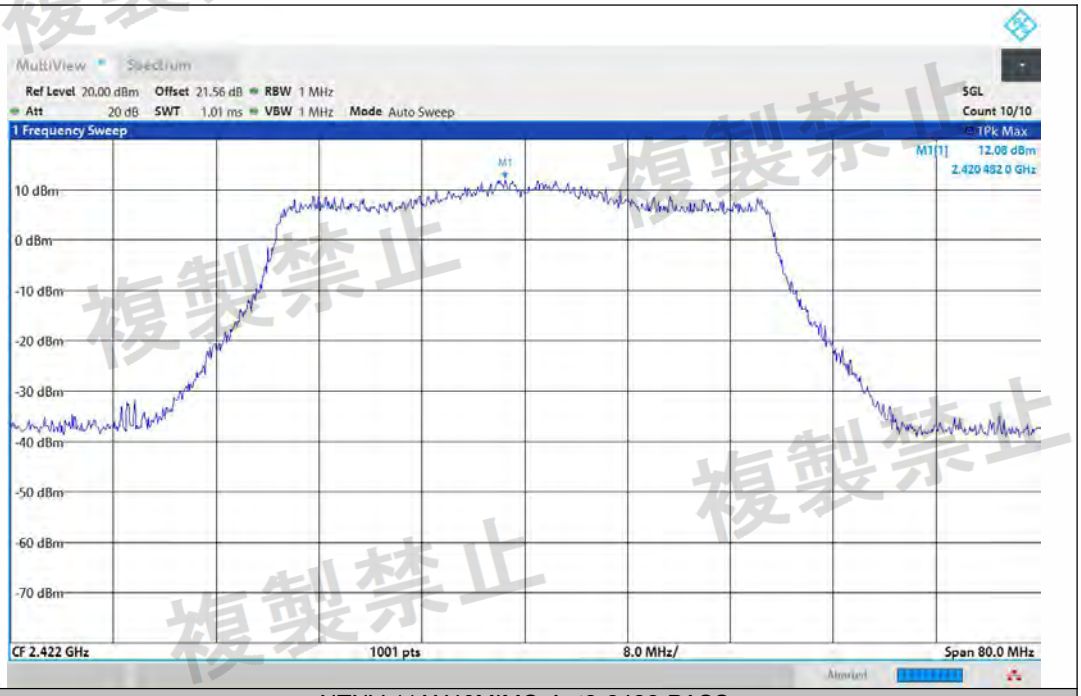
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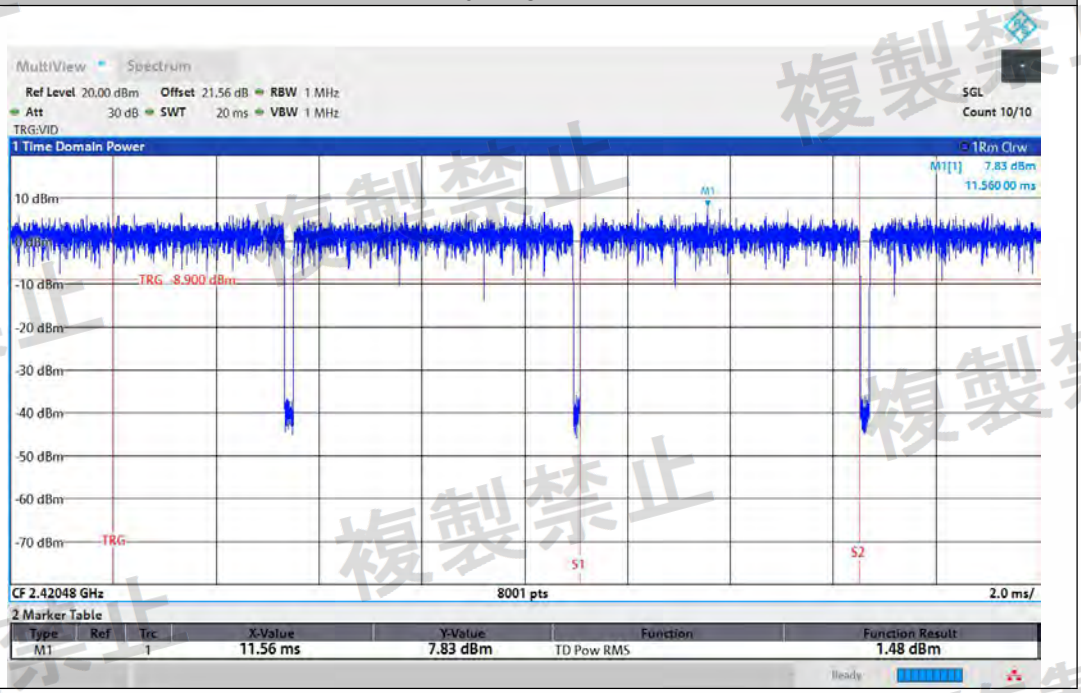


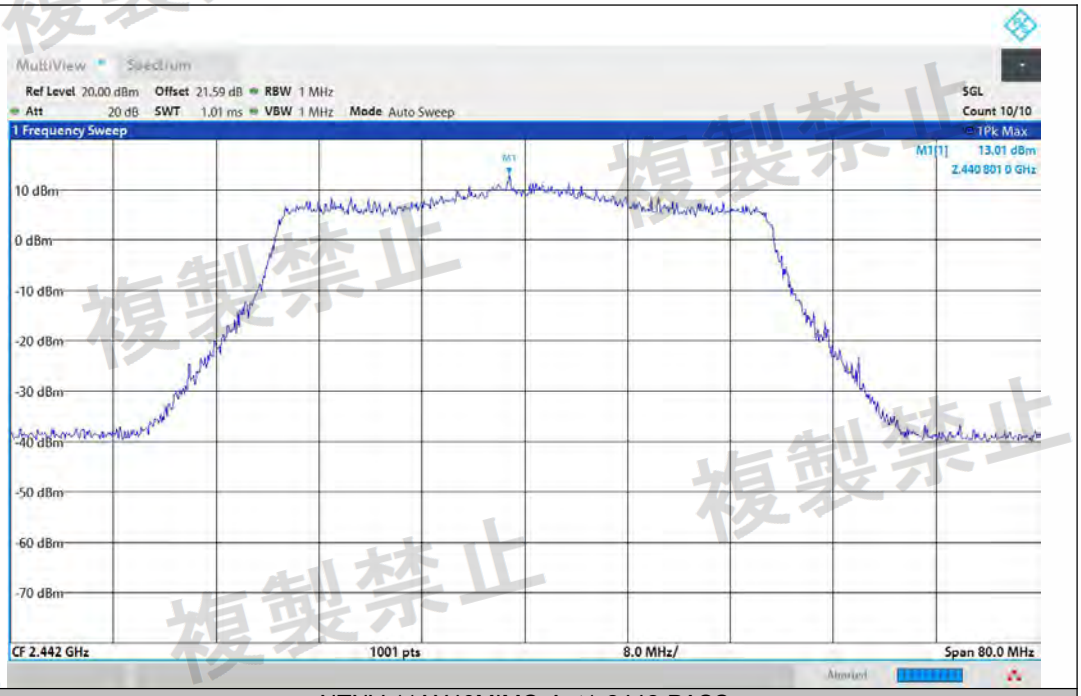
NTNV-11AX40MIMO-Ant1-2422-PASS



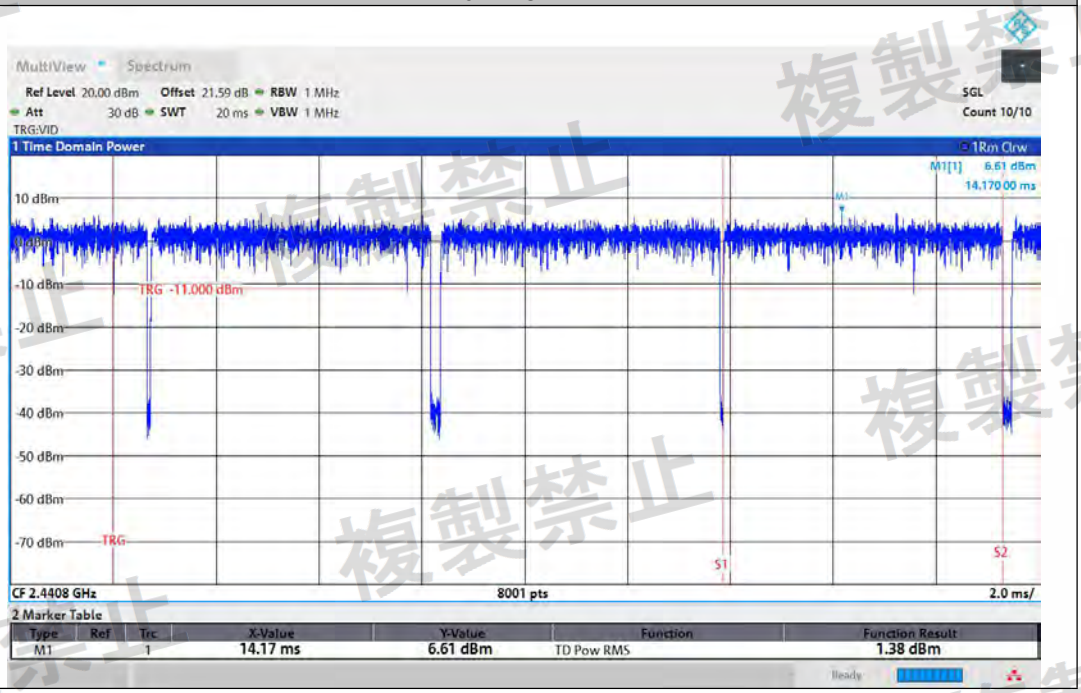


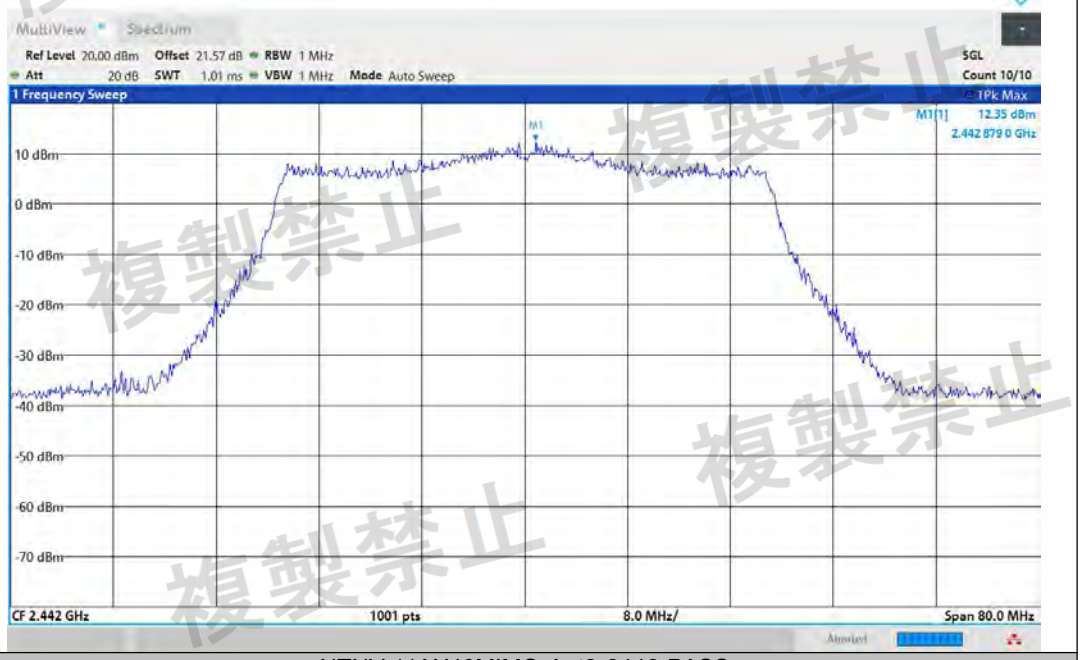
NTNV-11AX40MIMO-Ant2-2422-PASS



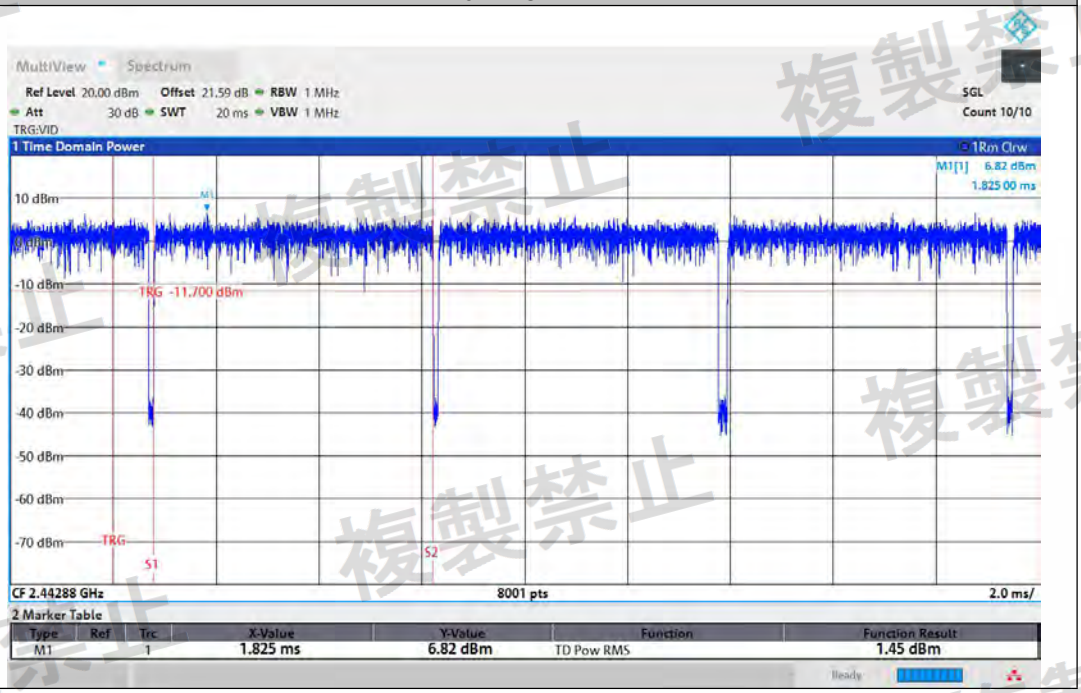


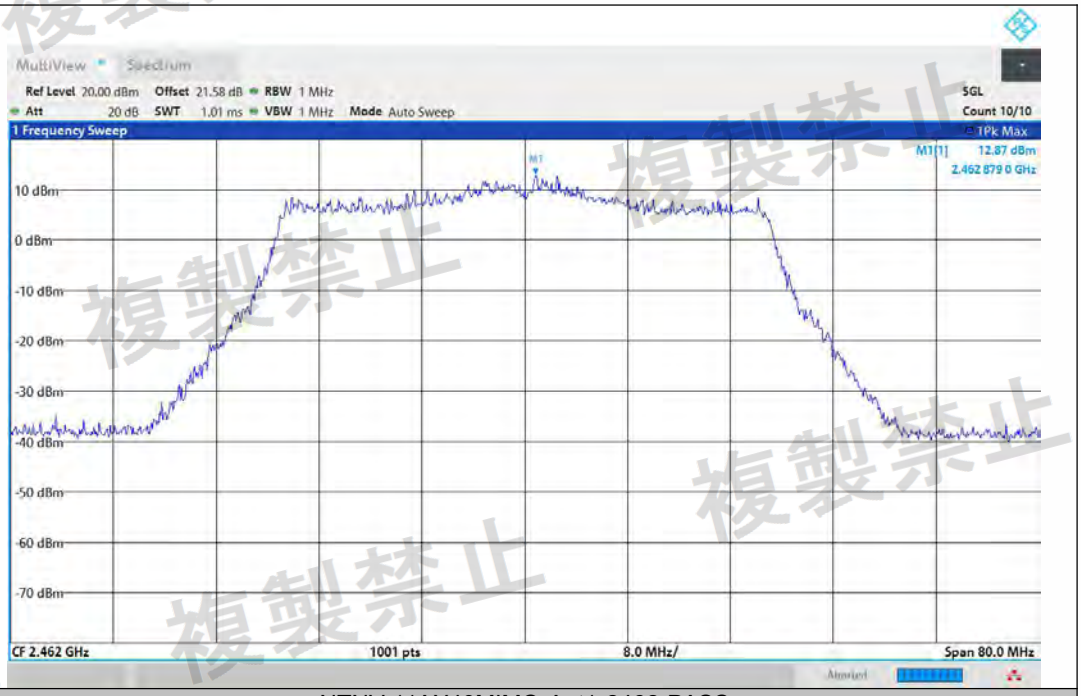
NTNV-11AX40MIMO-Ant1-2442-PASS



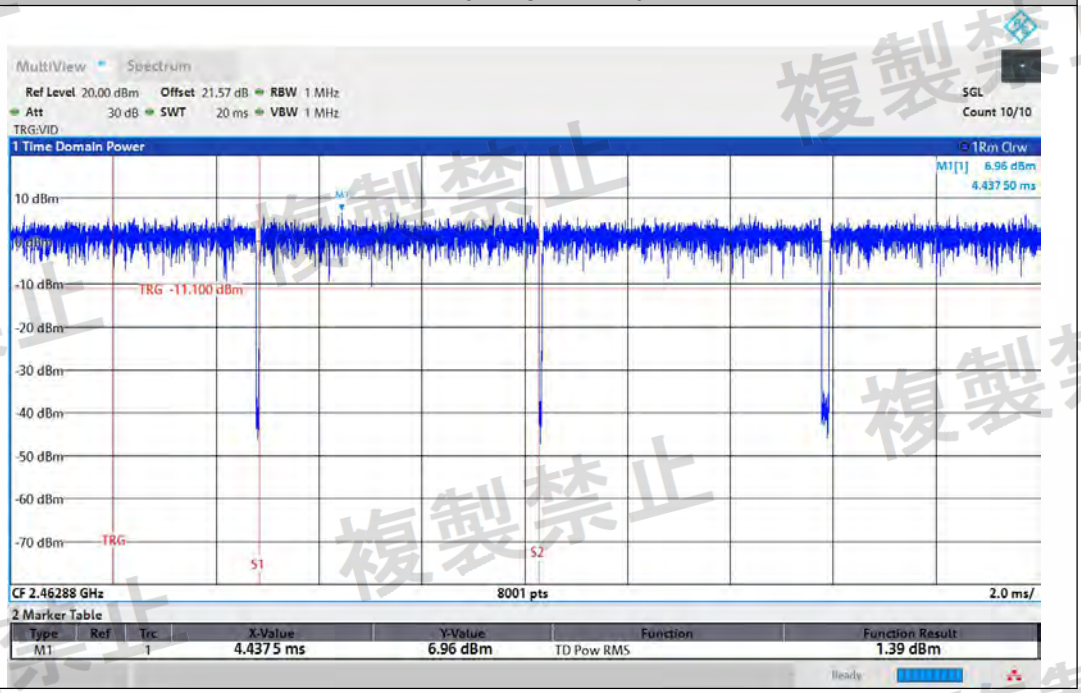


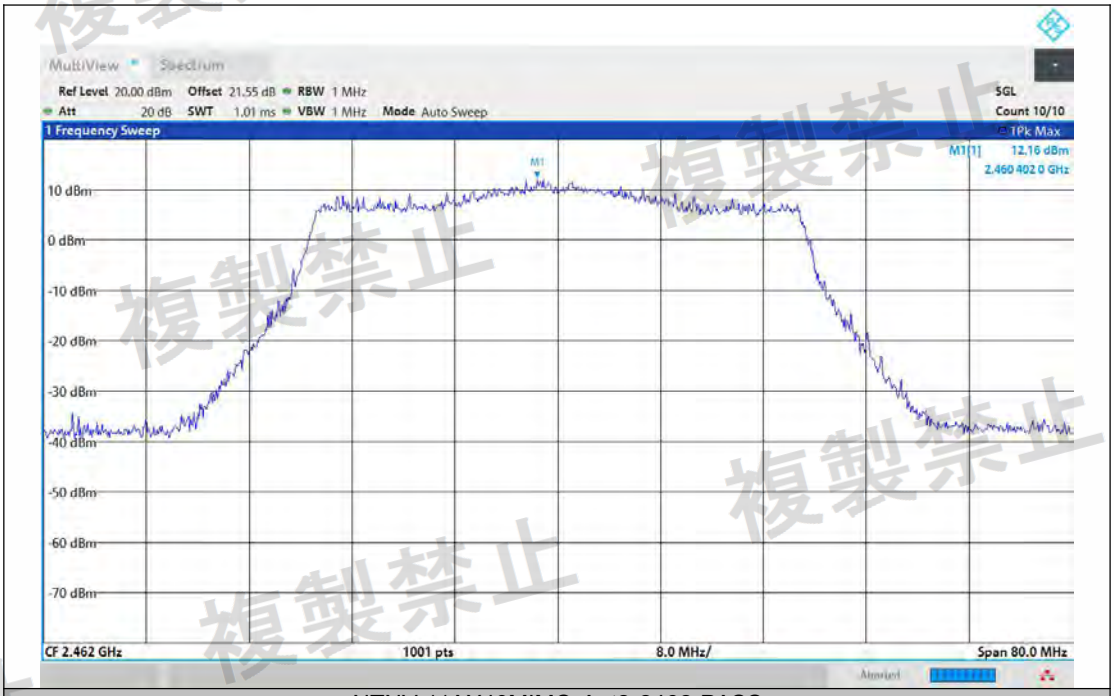
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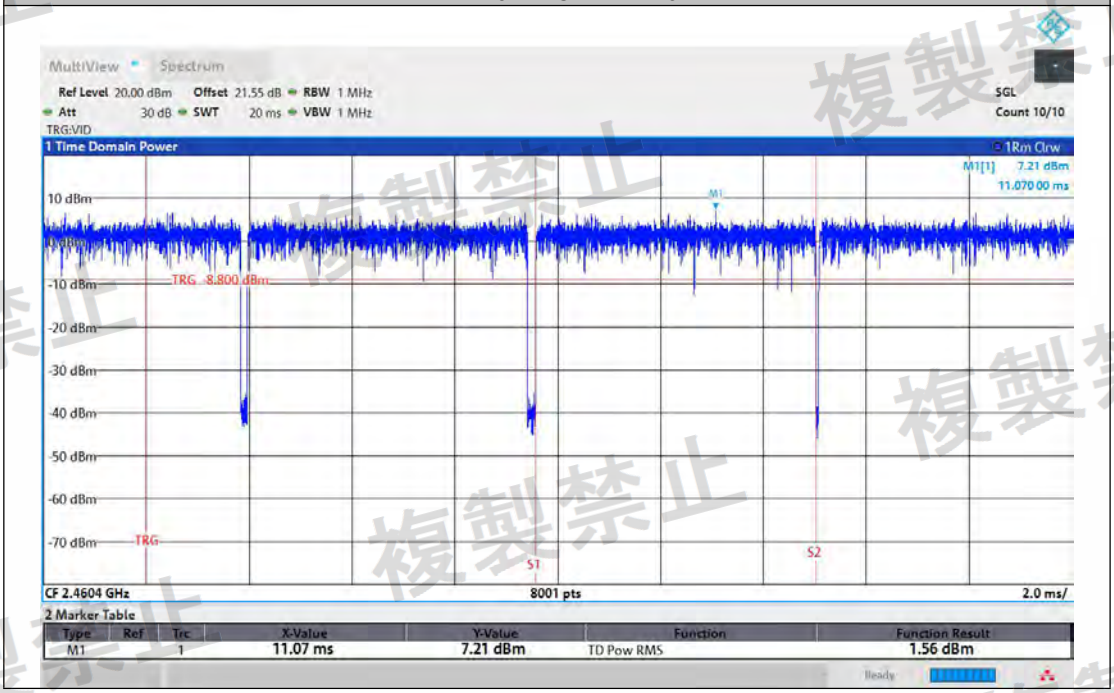


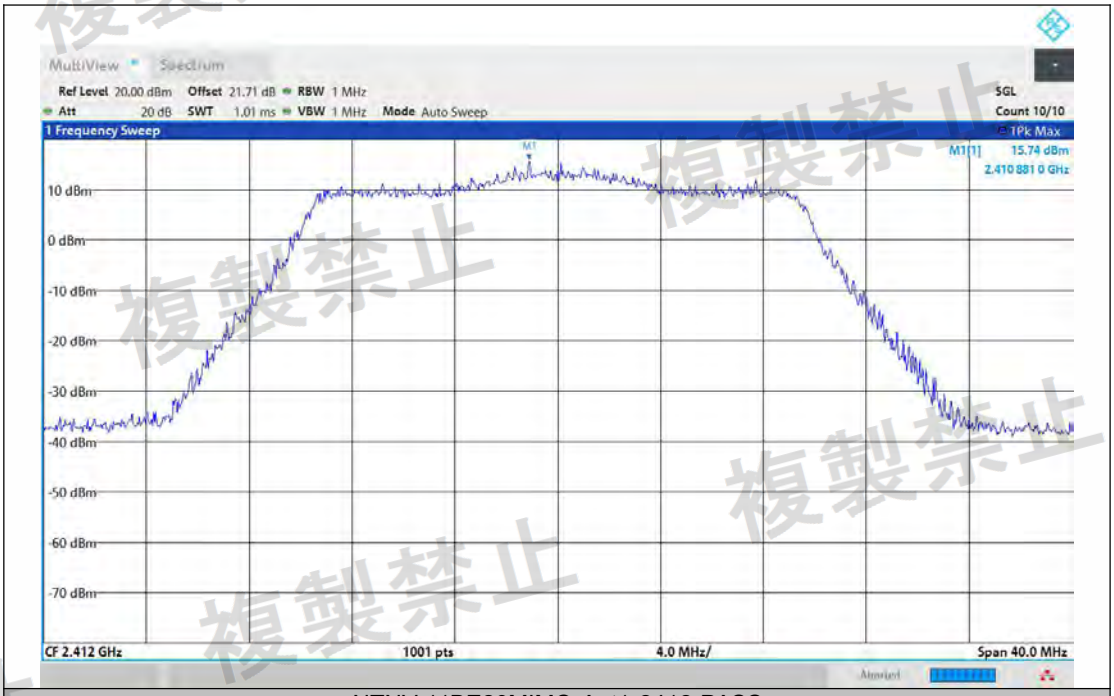
NTNV-11AX40MIMO-Ant1-2462-PASS



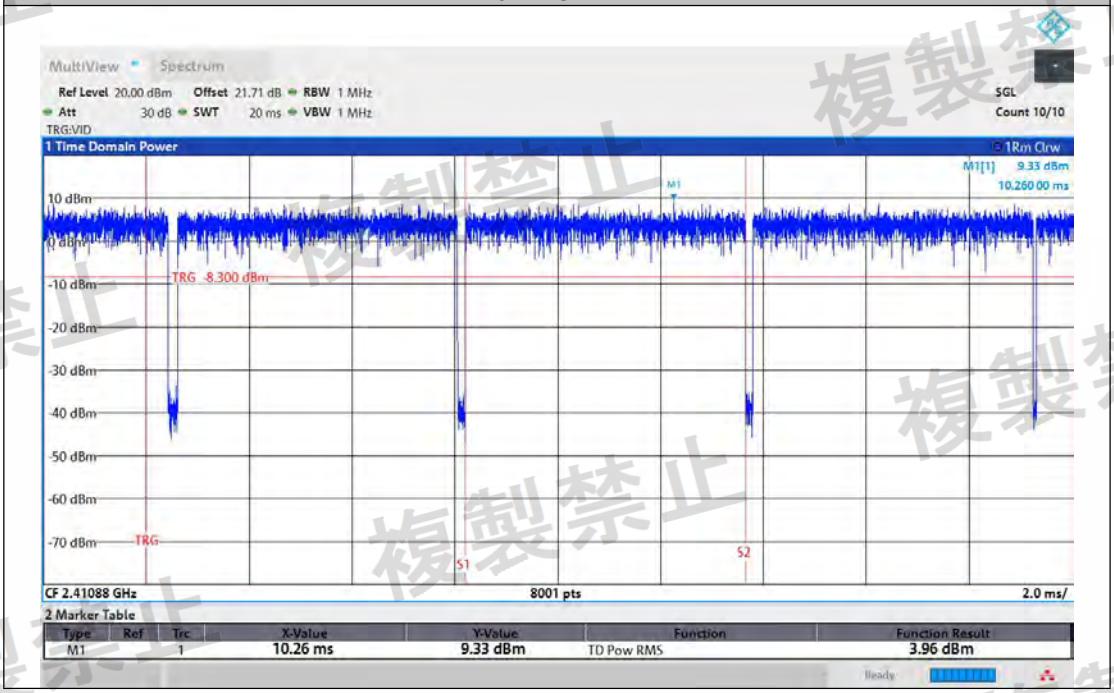


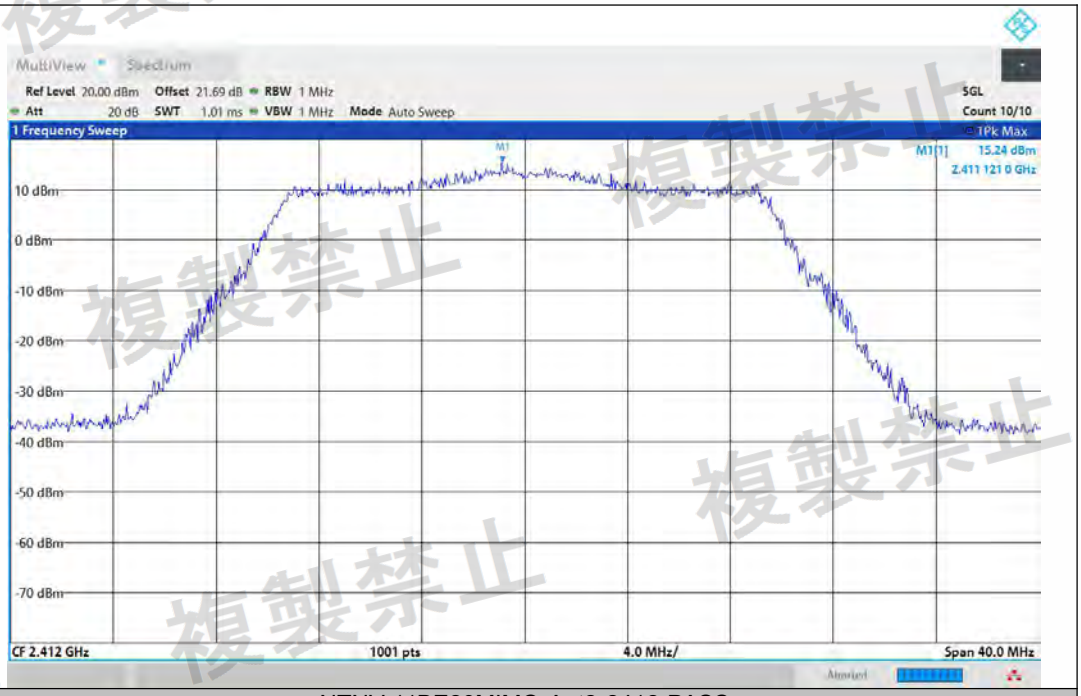
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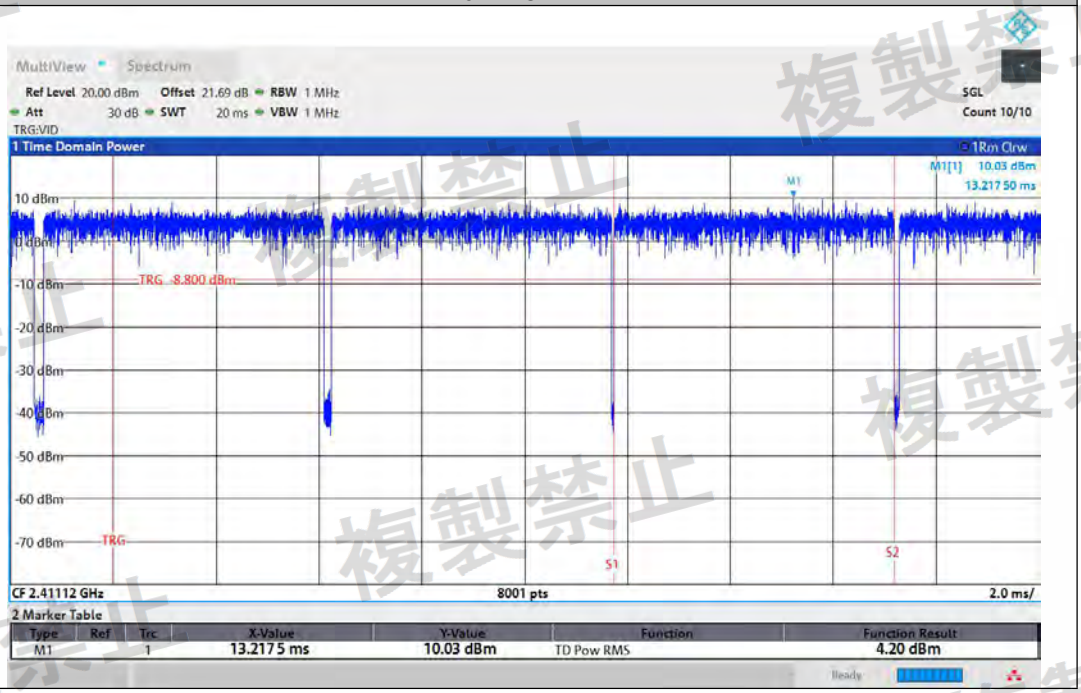


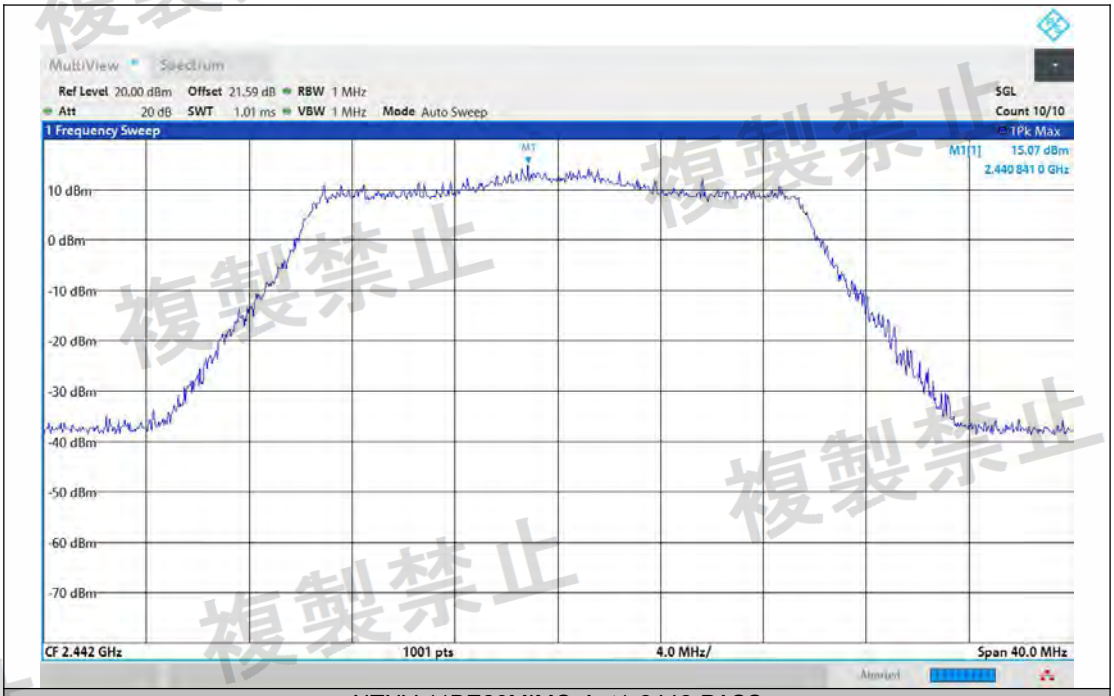
NTNV-11BE20MIMO-Ant1-2412-PASS



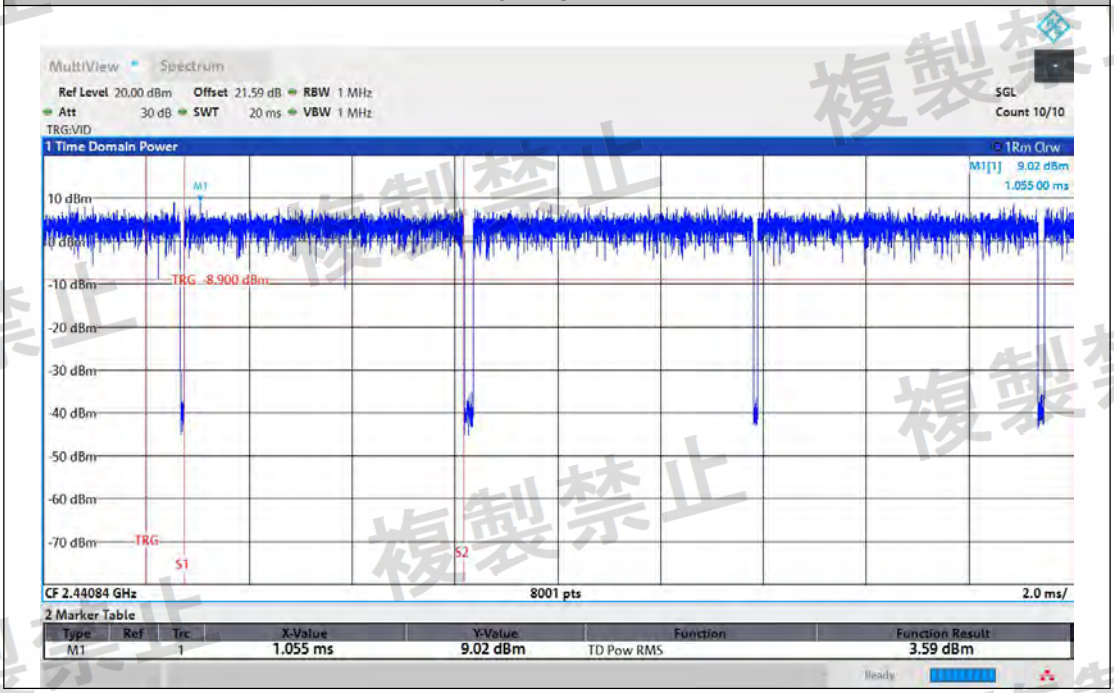


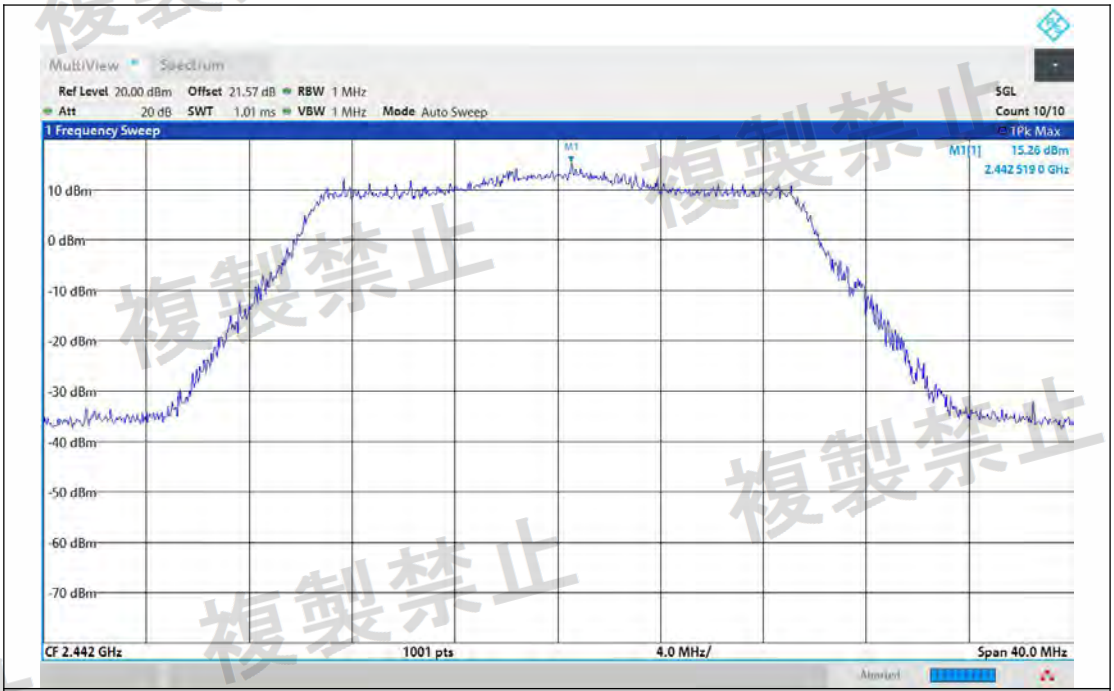
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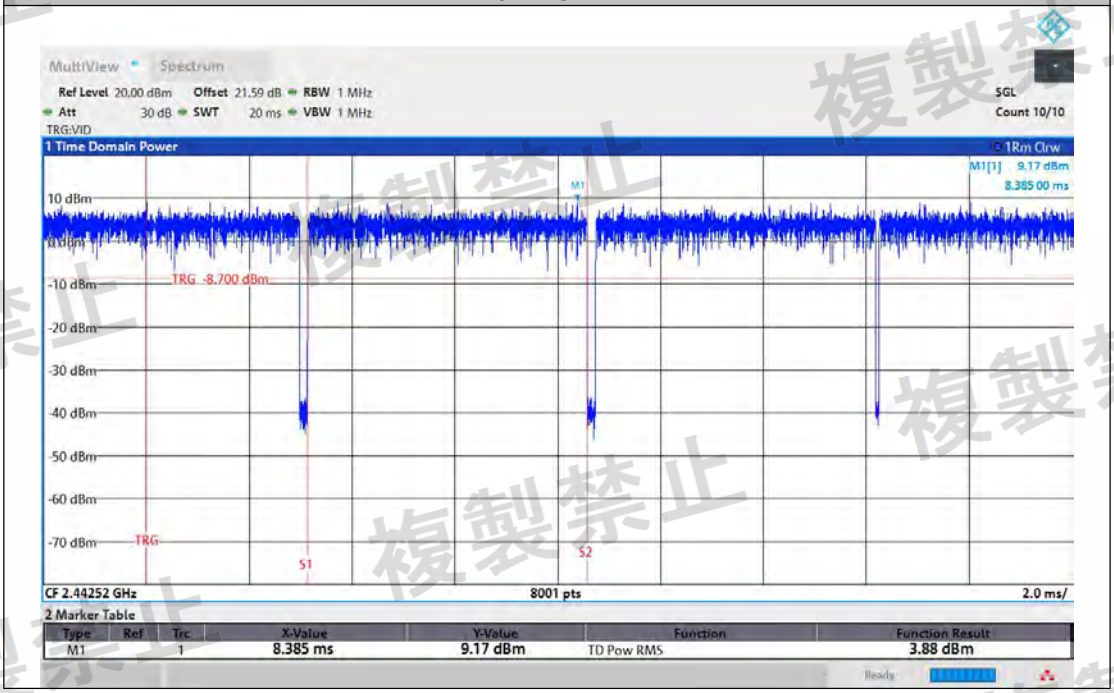


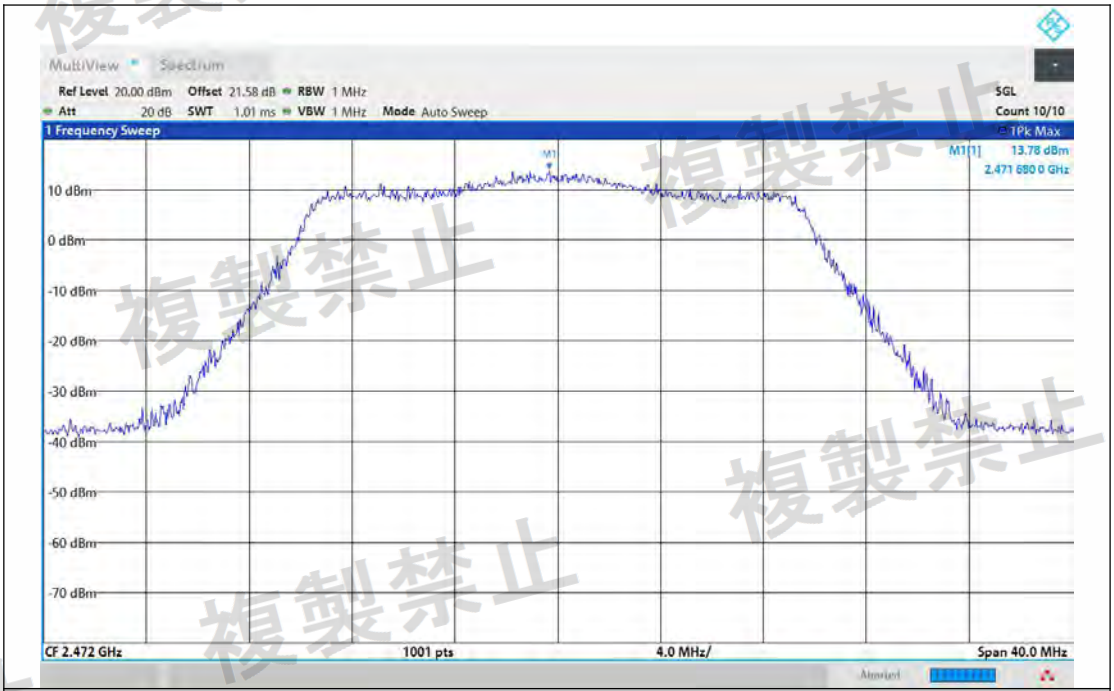
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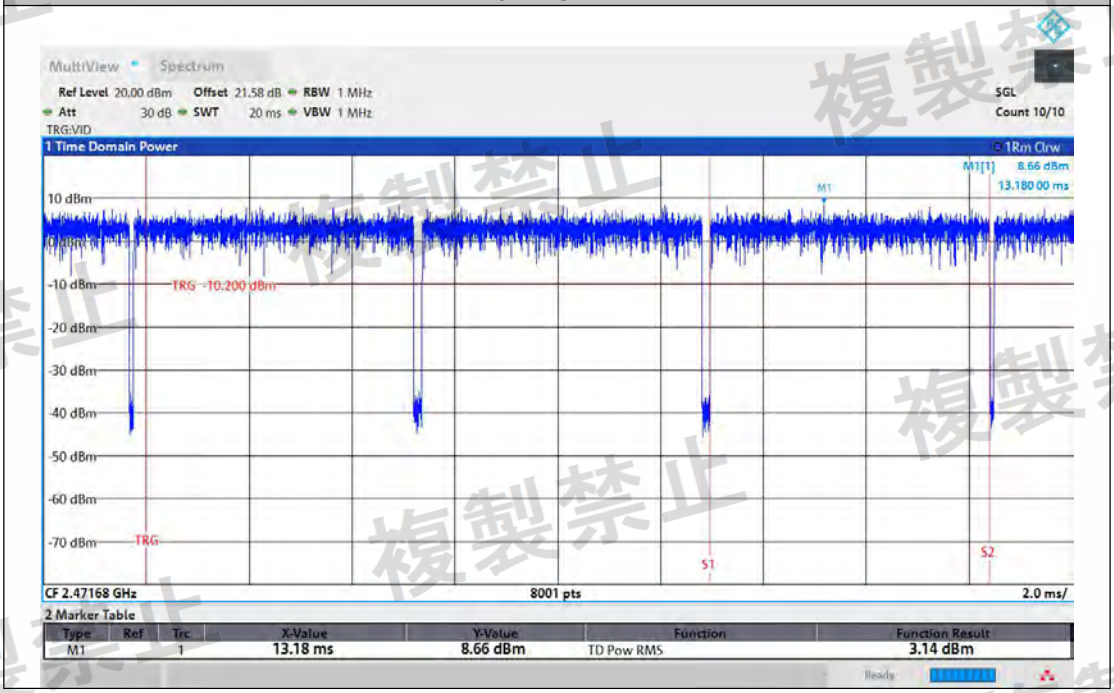


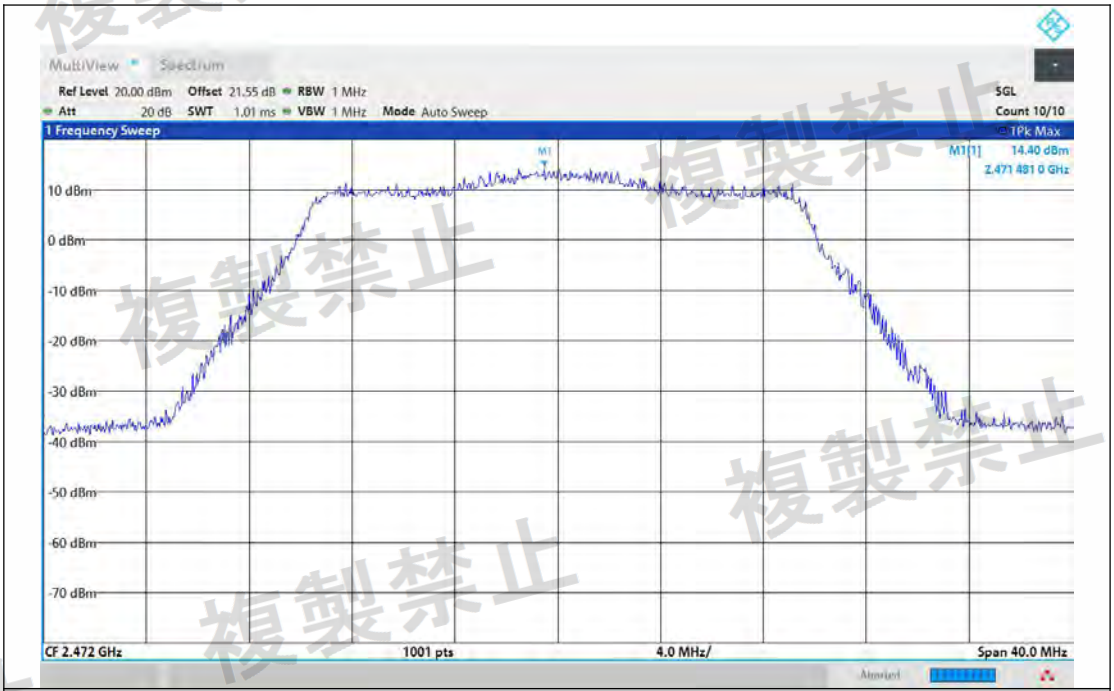
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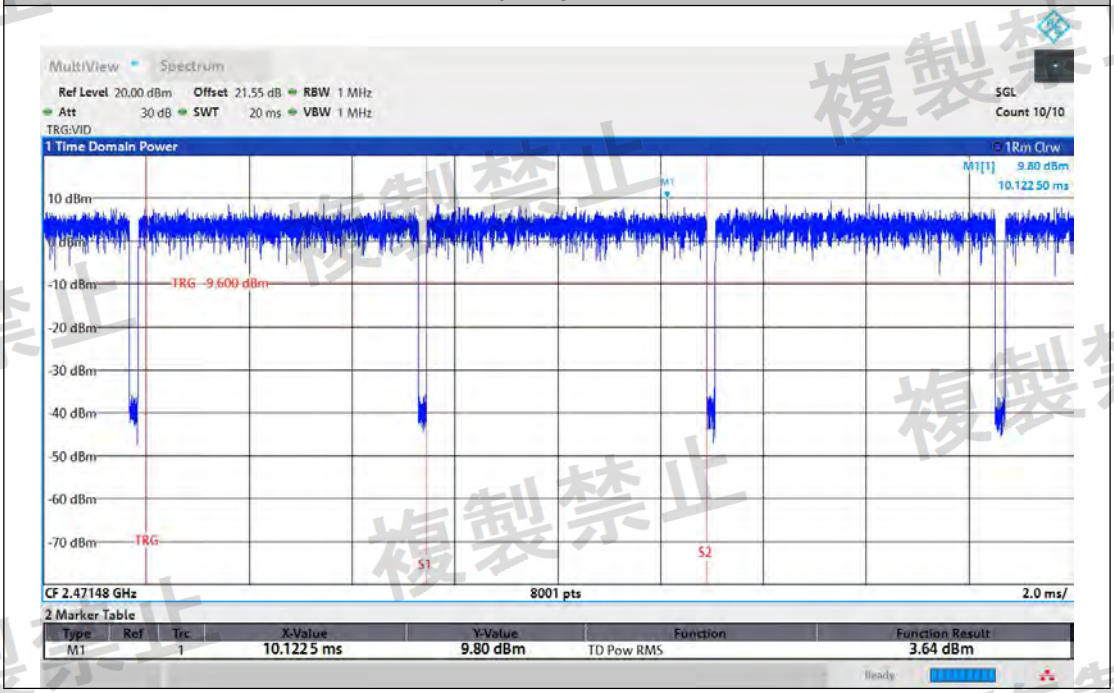


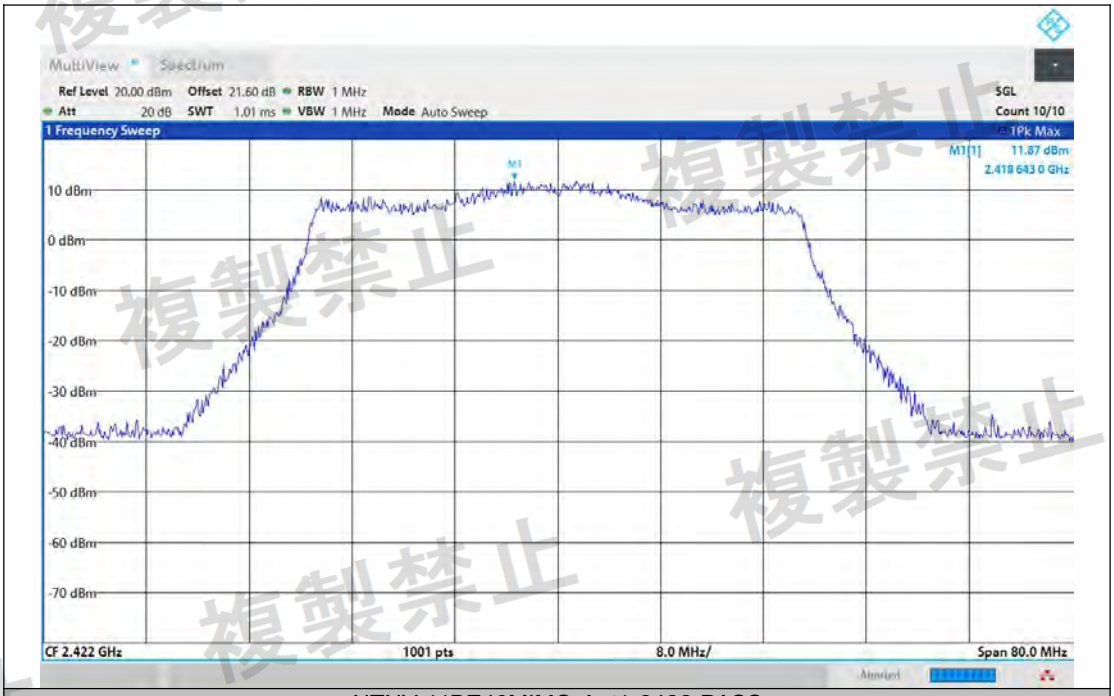
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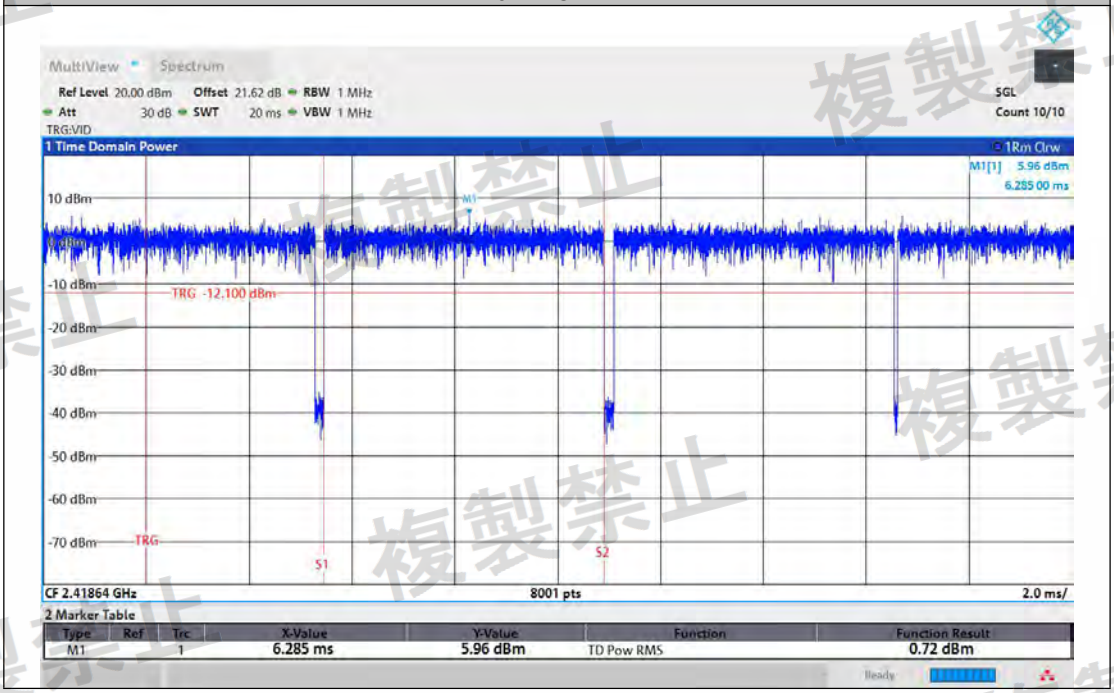


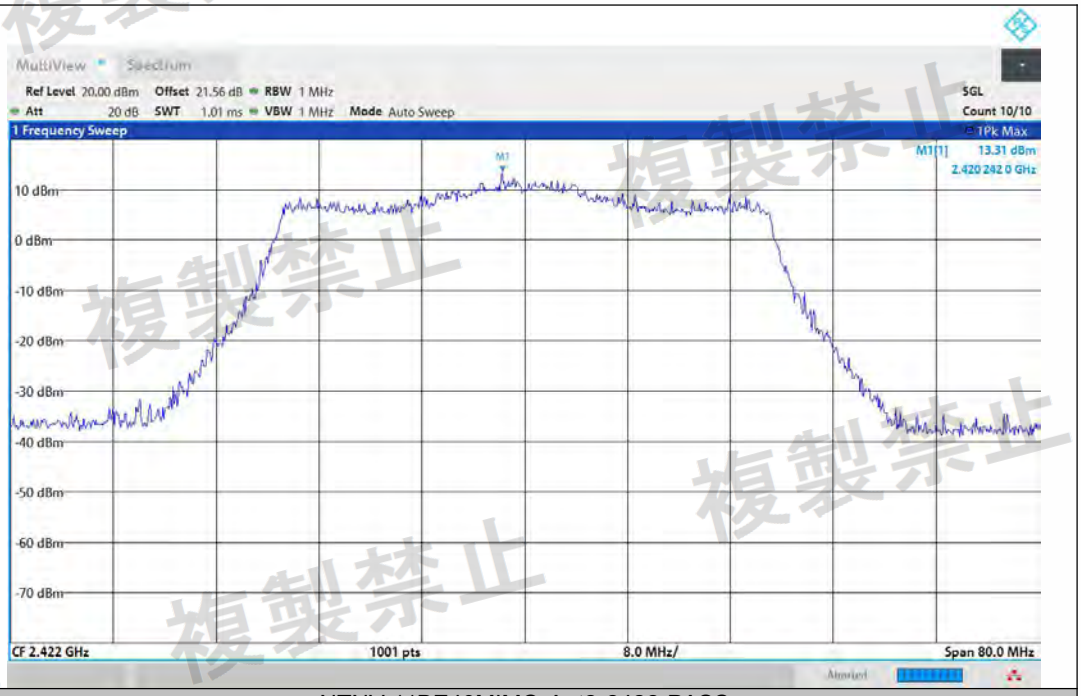
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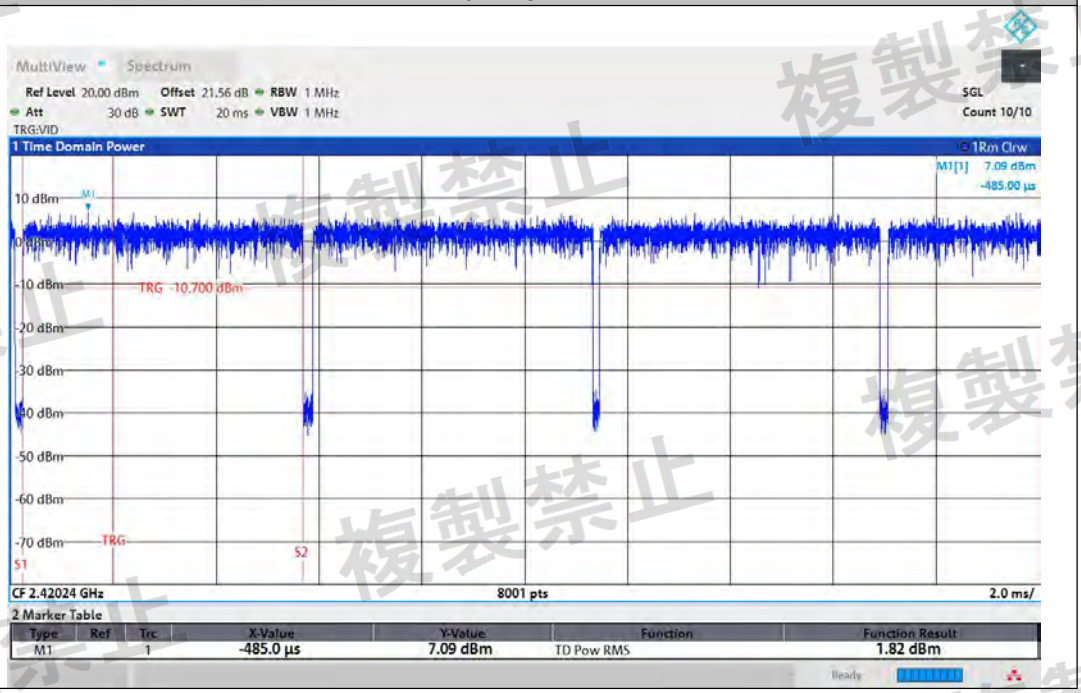


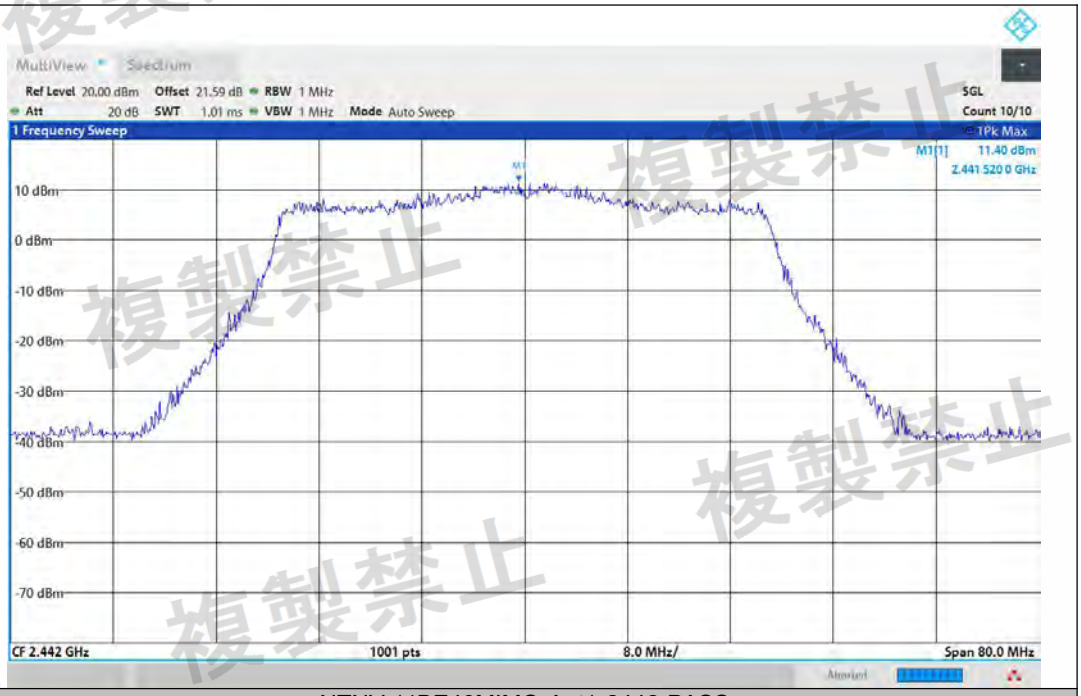
NTNV-11BE40MIMO-Ant1-2422-PASS



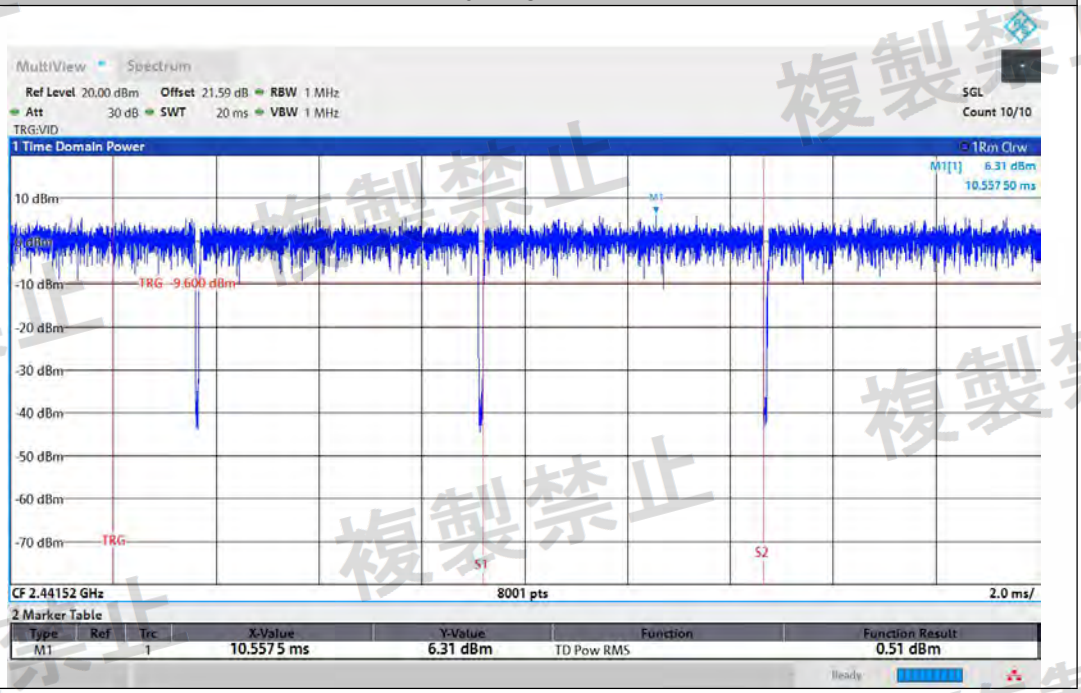


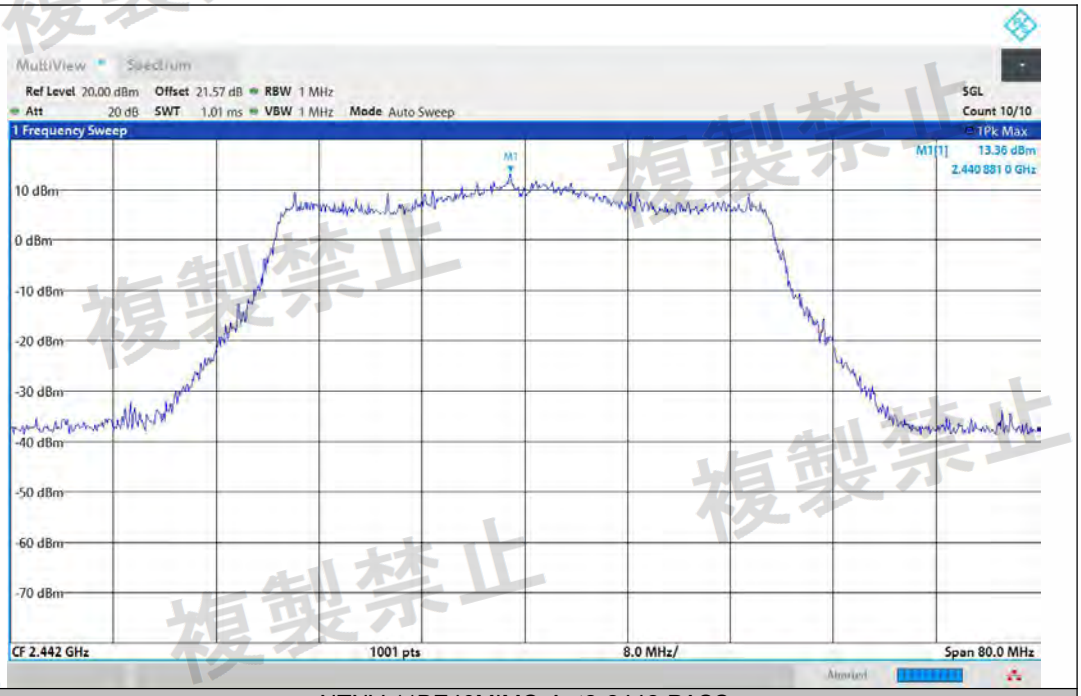
NTNV-11BE40MIMO-Ant2-2422-PASS



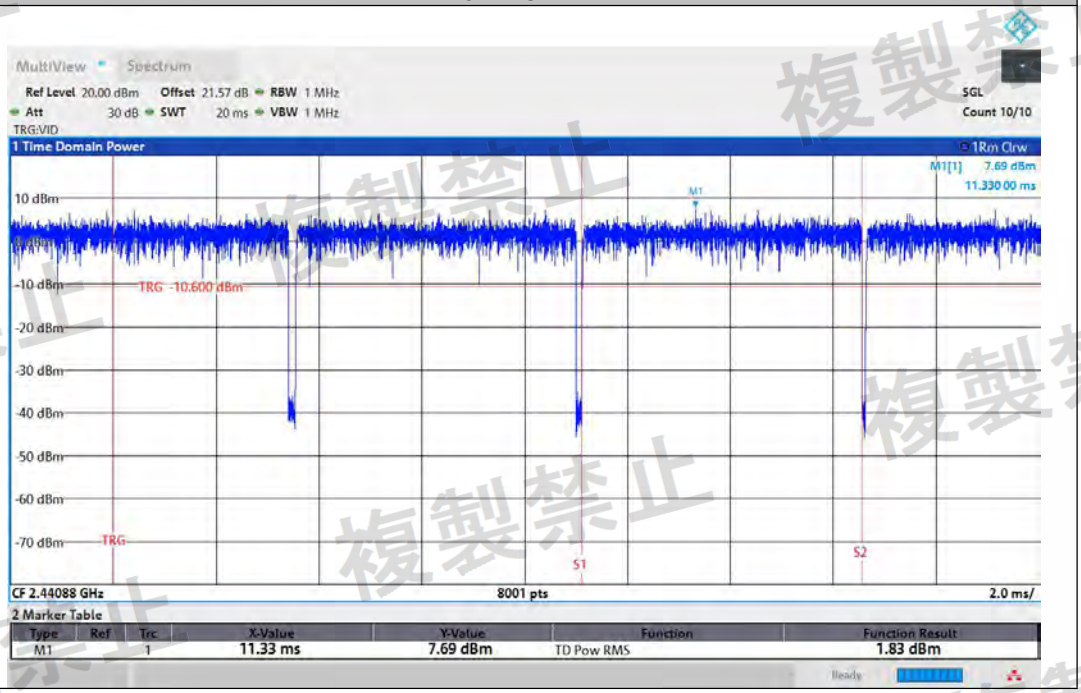


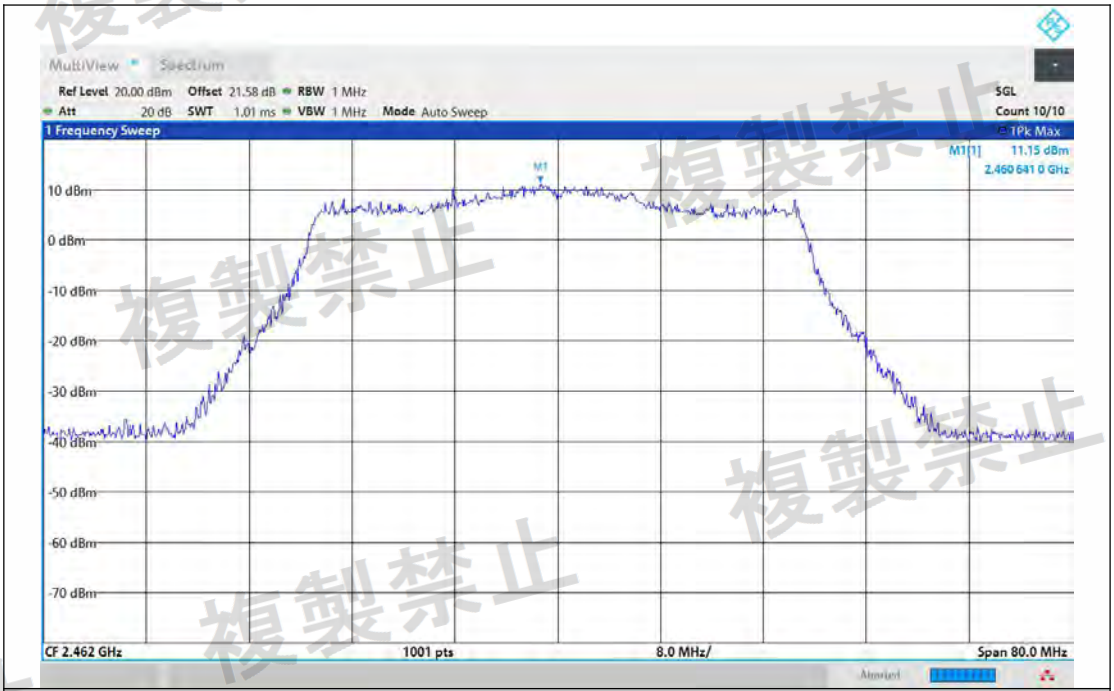
NTNV-11BE40MIMO-Ant1-2442-PASS



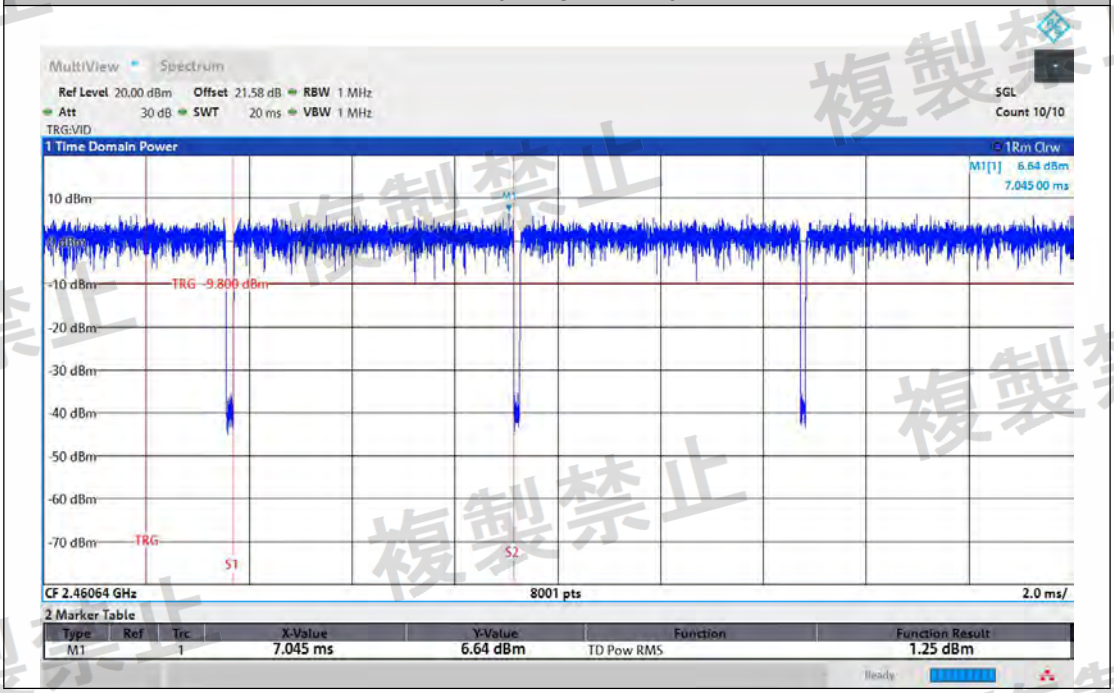


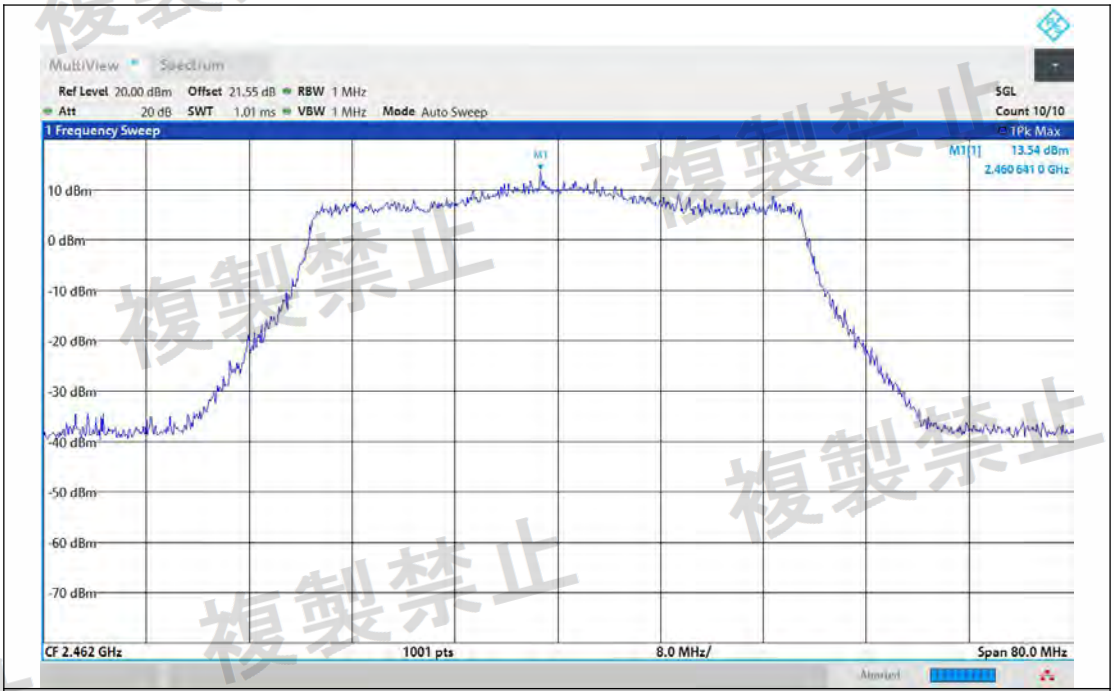
NTNV-11BE40MIMO-Ant2-2442-PASS



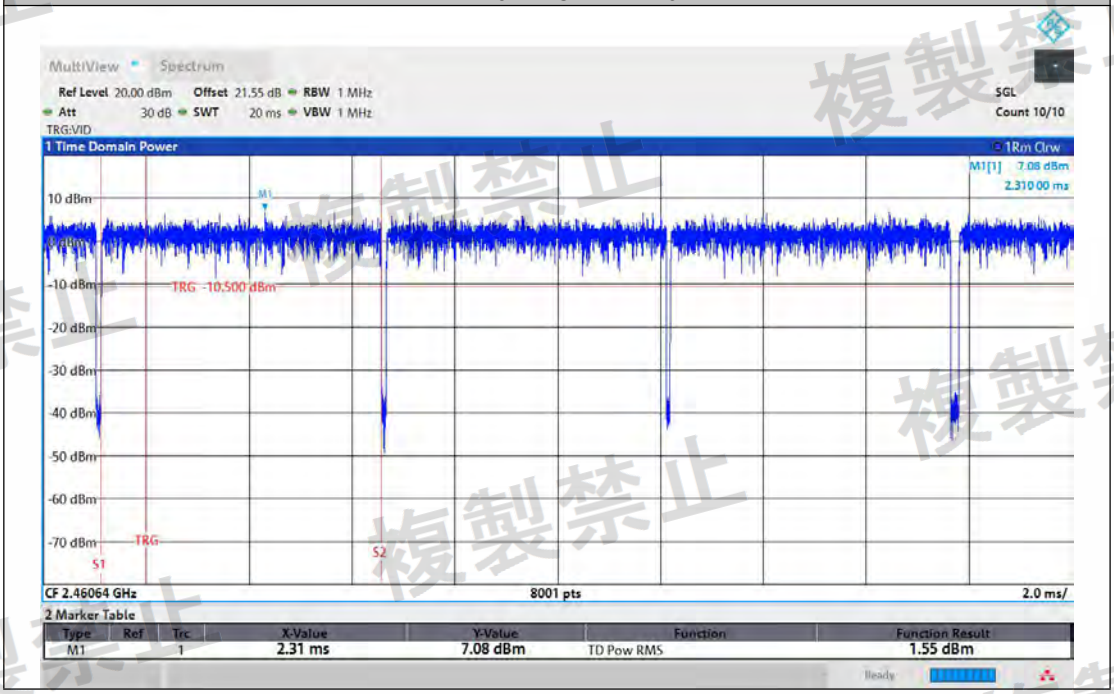


NTNV-11BE40MIMO-Ant1-2462-PASS





NTNV-11BE40MIMO-Ant2-2462-PASS



7.2 Frequency Error

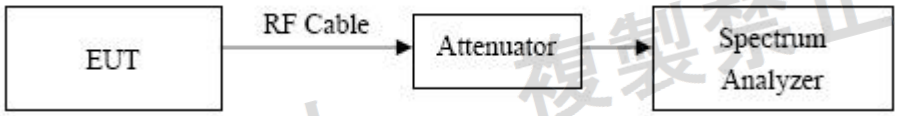
7.2.1 Applicable Standard

According to Item 19 of Article 2 Paragraph 1.

7.2.2 Conformance Limit

the maximum permit tolerance of frequency is 50ppm.

7.2.3 Test Setup Block Diagram



7.2.4 Test Procedure

1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

2. Set center frequency of spectrum analyzer = operating frequency.

3. Set the spectrum analyzer as RBW, VBW=10KHz, Span = 1MHz.

4 'Maximum Hold' mode may be used to accumulate the measurement result over several scans provided emssion is repetitive in nature.

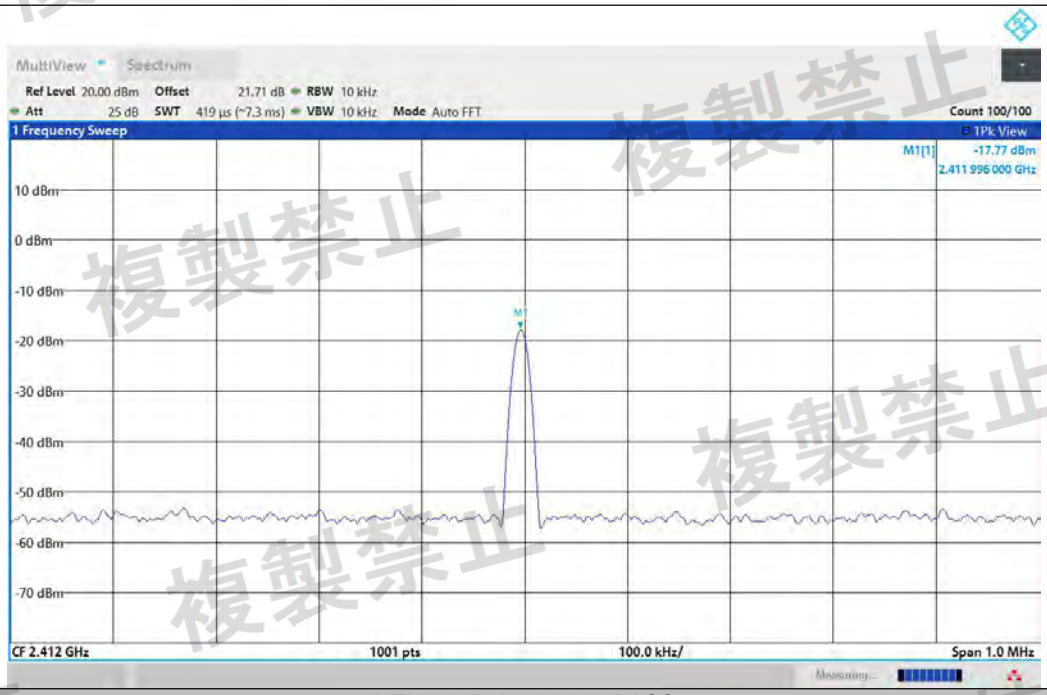
5. Repeat above procedures until all frequency measured was complete.

7.2.5 Environmental Conditions

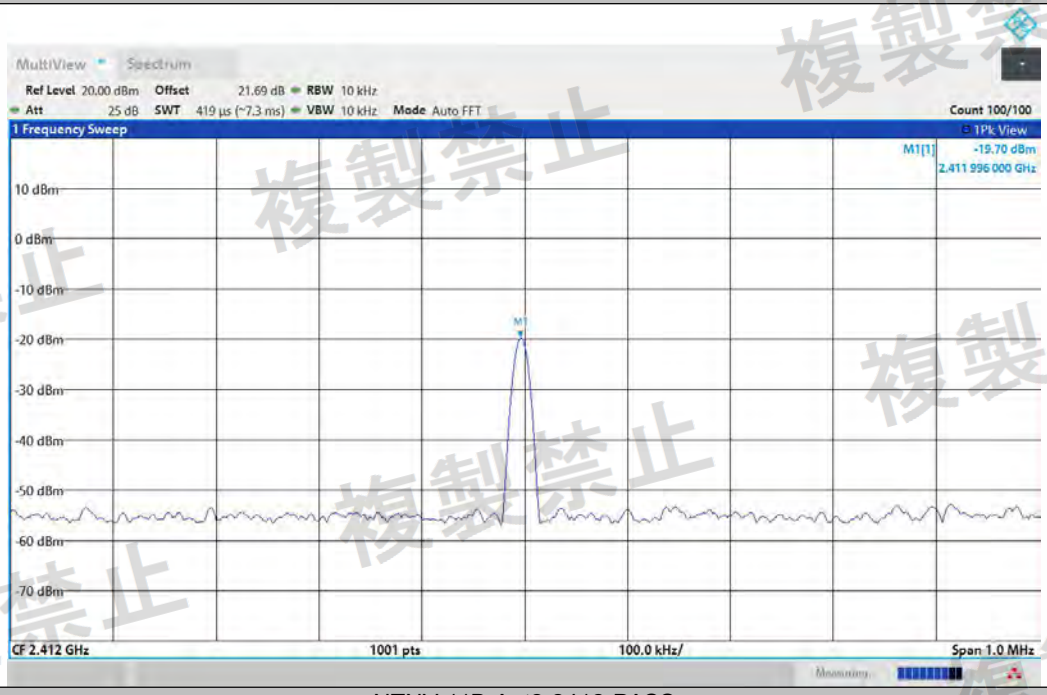
Temperature:	24.5°C
Relative Humidity:	45%
ATM Pressure:	1011 mbar

7.2.6 Test Results

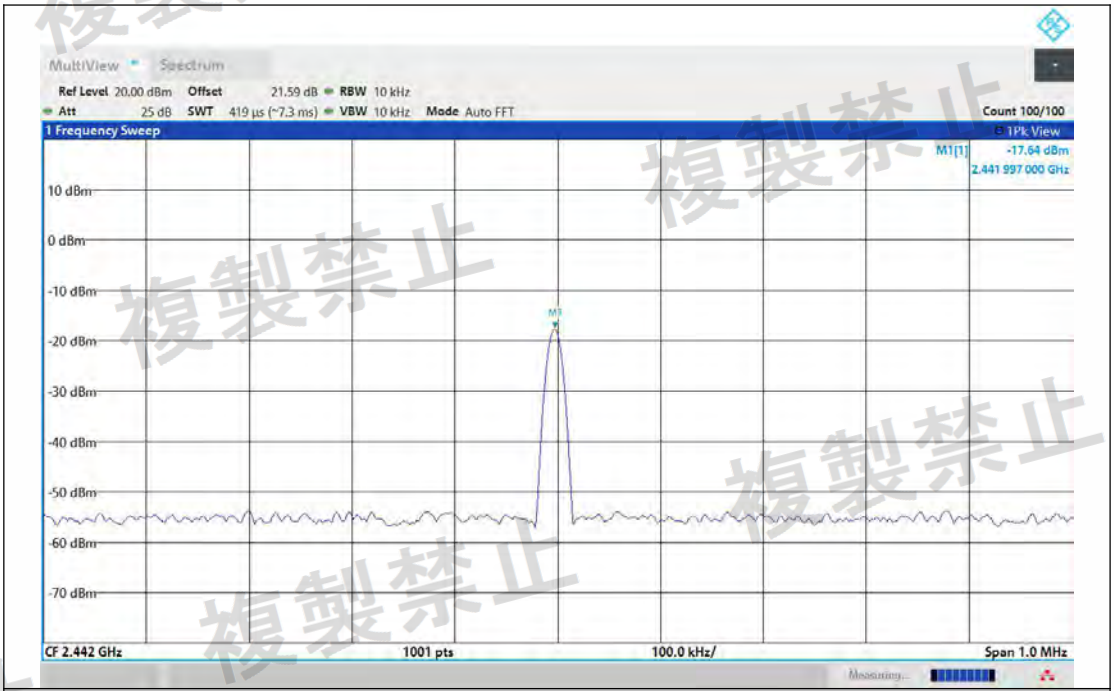
TestCondition	TestMode	Antenna	Frequency [MHz]	CenterFreq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	11B	Ant1	2412	2411.996	-1.65838	±50	PASS
NTNV	11B	Ant2	2412	2411.996	-1.65838	±50	PASS
NTNV	11B	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11B	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11B	Ant1	2472	2471.997	-1.21359	±50	PASS
NTNV	11B	Ant2	2472	2471.997	-1.21359	±50	PASS
NTNV	11G	Ant1	2412	2411.996	-1.65838	±50	PASS
NTNV	11G	Ant2	2412	2411.996	-1.65838	±50	PASS
NTNV	11G	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11G	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11G	Ant1	2472	2471.997	-1.21359	±50	PASS
NTNV	11G	Ant2	2472	2471.997	-1.21359	±50	PASS
NTNV	11N20MIMO	Ant1	2412	2411.996	-1.65838	±50	PASS
NTNV	11N20MIMO	Ant2	2412	2411.997	-1.24378	±50	PASS
NTNV	11N20MIMO	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11N20MIMO	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11N20MIMO	Ant1	2472	2471.997	-1.21359	±50	PASS
NTNV	11N20MIMO	Ant2	2472	2471.997	-1.21359	±50	PASS
NTNV	11N40MIMO	Ant1	2422	2421.998	-0.82576	±50	PASS
NTNV	11N40MIMO	Ant2	2422	2421.998	-0.82576	±50	PASS
NTNV	11N40MIMO	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11N40MIMO	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11N40MIMO	Ant1	2462	2461.998	-0.81235	±50	PASS
NTNV	11N40MIMO	Ant2	2462	2461.998	-0.81235	±50	PASS
NTNV	11AX20MIMO	Ant1	2412	2411.996	-1.65838	±50	PASS
NTNV	11AX20MIMO	Ant2	2412	2411.997	-1.24378	±50	PASS
NTNV	11AX20MIMO	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11AX20MIMO	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11AX20MIMO	Ant1	2472	2471.997	-1.21359	±50	PASS
NTNV	11AX20MIMO	Ant2	2472	2471.997	-1.21359	±50	PASS
NTNV	11AX40MIMO	Ant1	2422	2421.998	-0.82576	±50	PASS
NTNV	11AX40MIMO	Ant2	2422	2421.998	-0.82576	±50	PASS
NTNV	11AX40MIMO	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11AX40MIMO	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11AX40MIMO	Ant1	2462	2461.998	-0.81235	±50	PASS
NTNV	11AX40MIMO	Ant2	2462	2461.998	-0.81235	±50	PASS
NTNV	11BE20MIMO	Ant1	2412	2411.997	-1.24378	±50	PASS
NTNV	11BE20MIMO	Ant2	2412	2411.997	-1.24378	±50	PASS
NTNV	11BE20MIMO	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11BE20MIMO	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11BE20MIMO	Ant1	2472	2471.997	-1.21359	±50	PASS
NTNV	11BE20MIMO	Ant2	2472	2471.997	-1.21359	±50	PASS
NTNV	11BE40MIMO	Ant1	2422	2421.998	-0.82576	±50	PASS
NTNV	11BE40MIMO	Ant2	2422	2421.998	-0.82576	±50	PASS
NTNV	11BE40MIMO	Ant1	2442	2441.997	-1.22850	±50	PASS
NTNV	11BE40MIMO	Ant2	2442	2441.997	-1.22850	±50	PASS
NTNV	11BE40MIMO	Ant1	2462	2461.998	-0.81235	±50	PASS
NTNV	11BE40MIMO	Ant2	2462	2461.998	-0.81235	±50	PASS



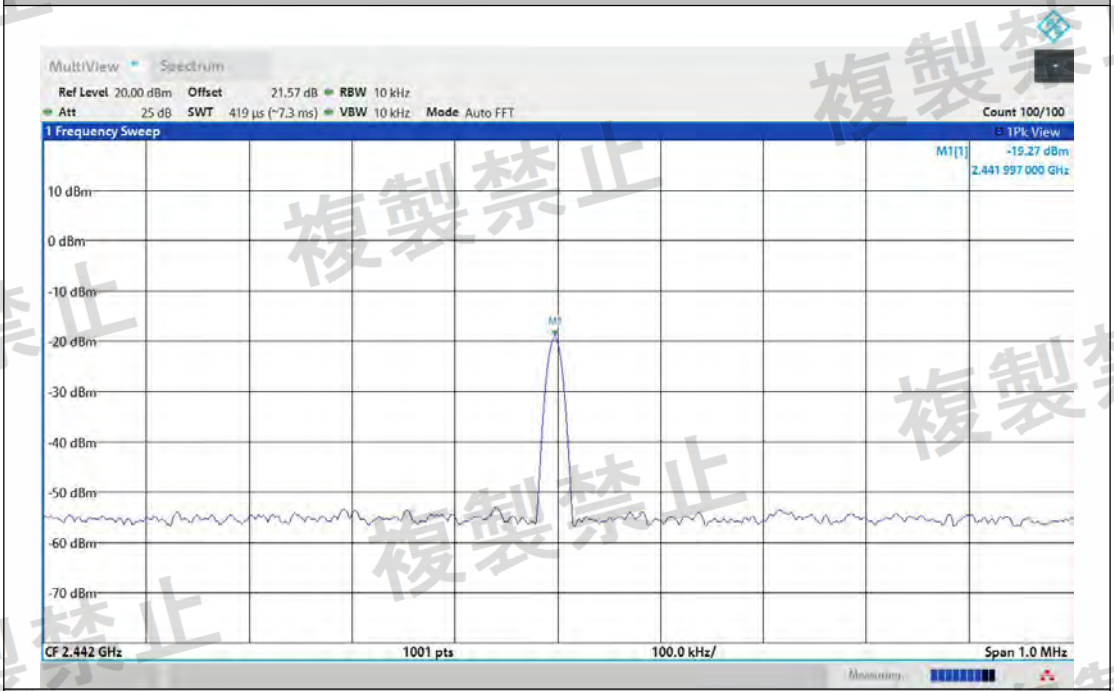
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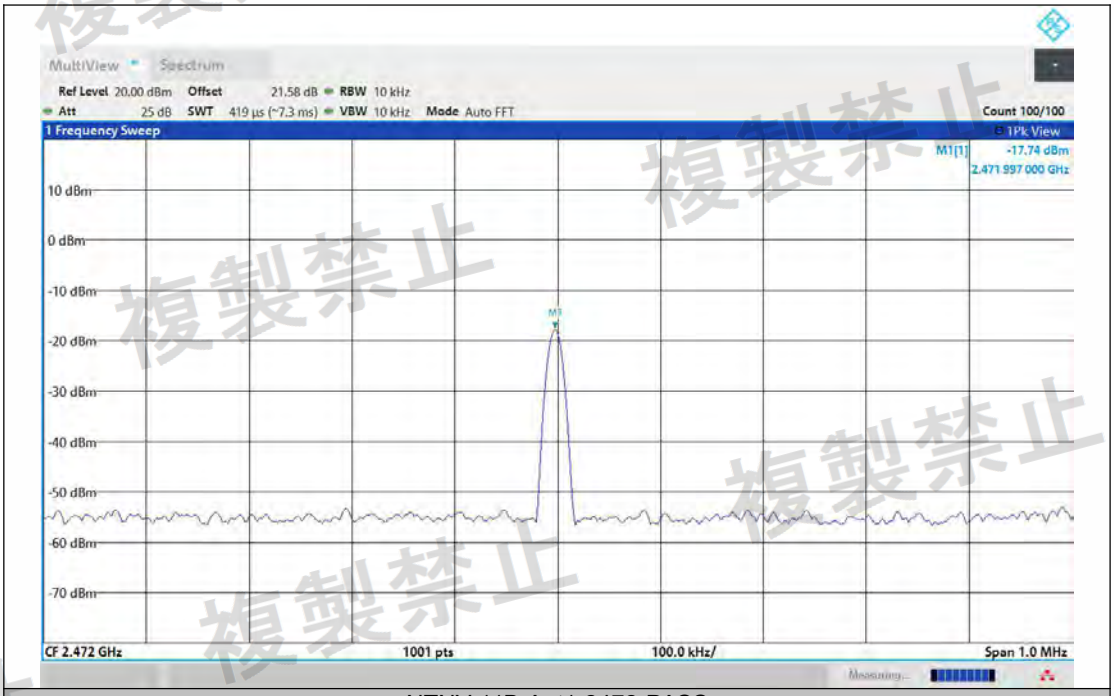
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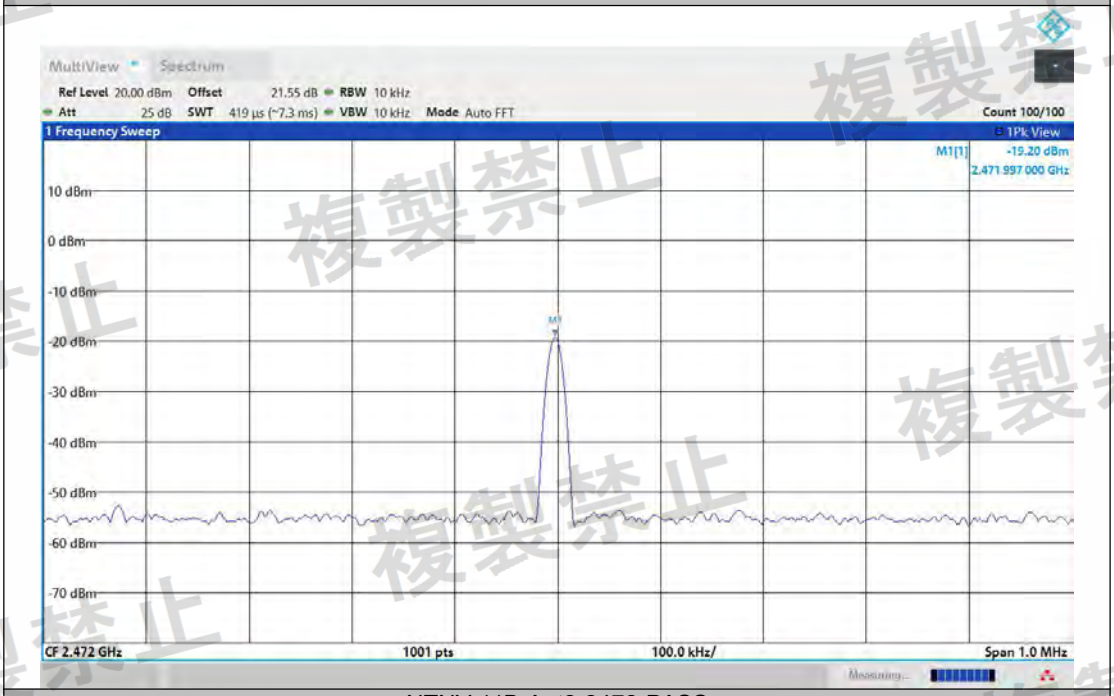
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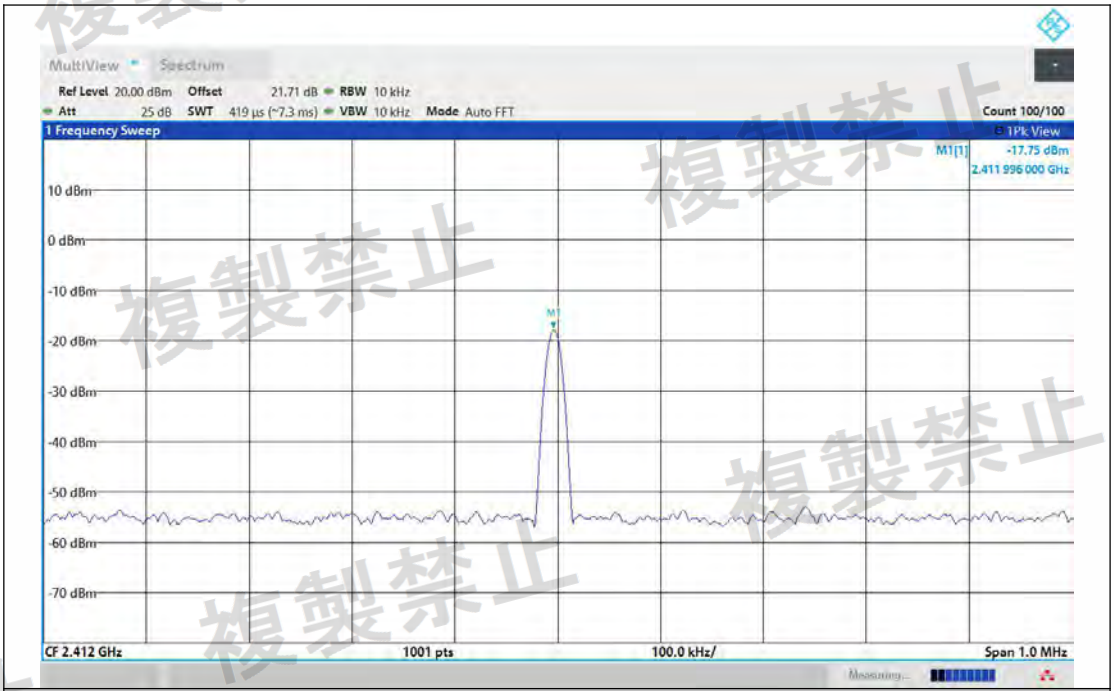
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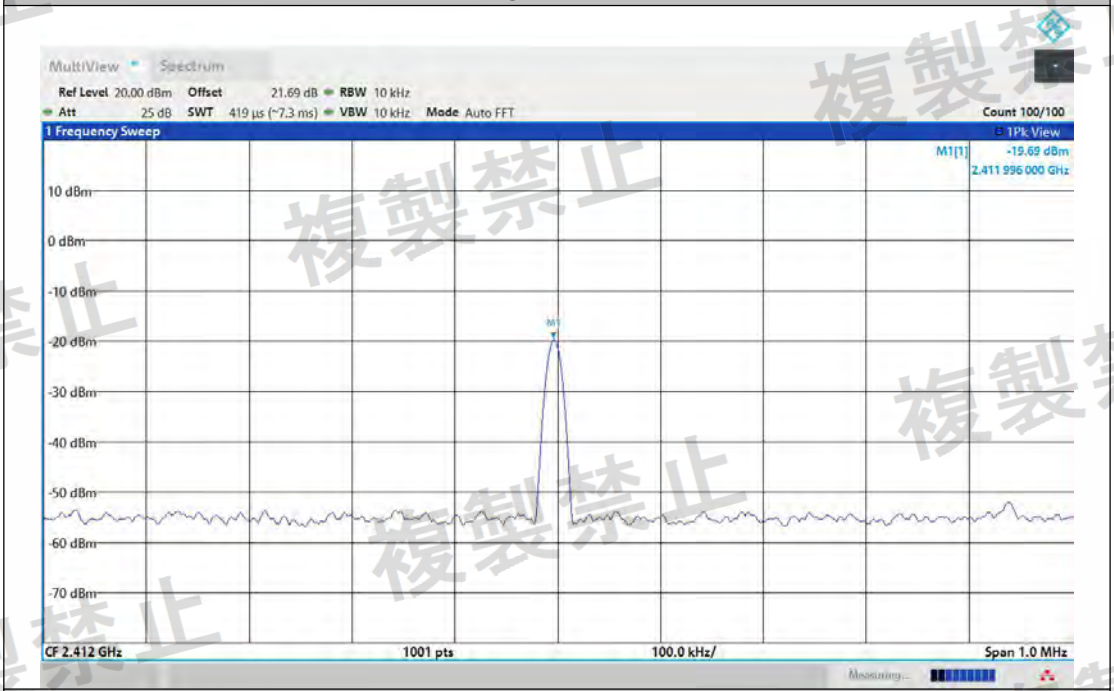
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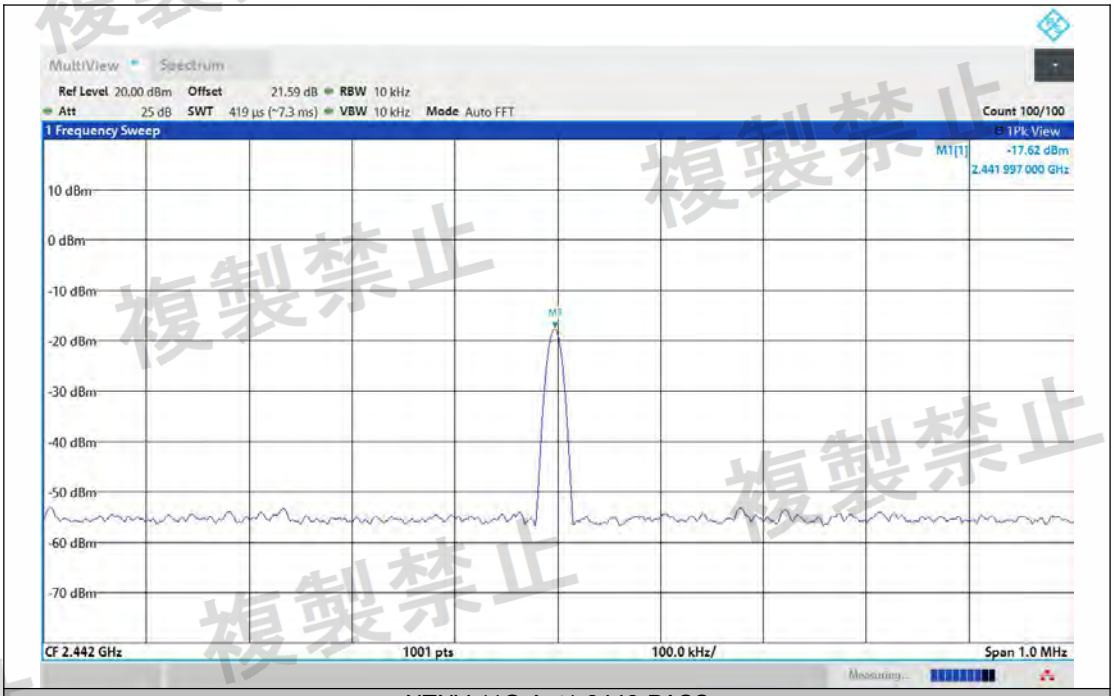
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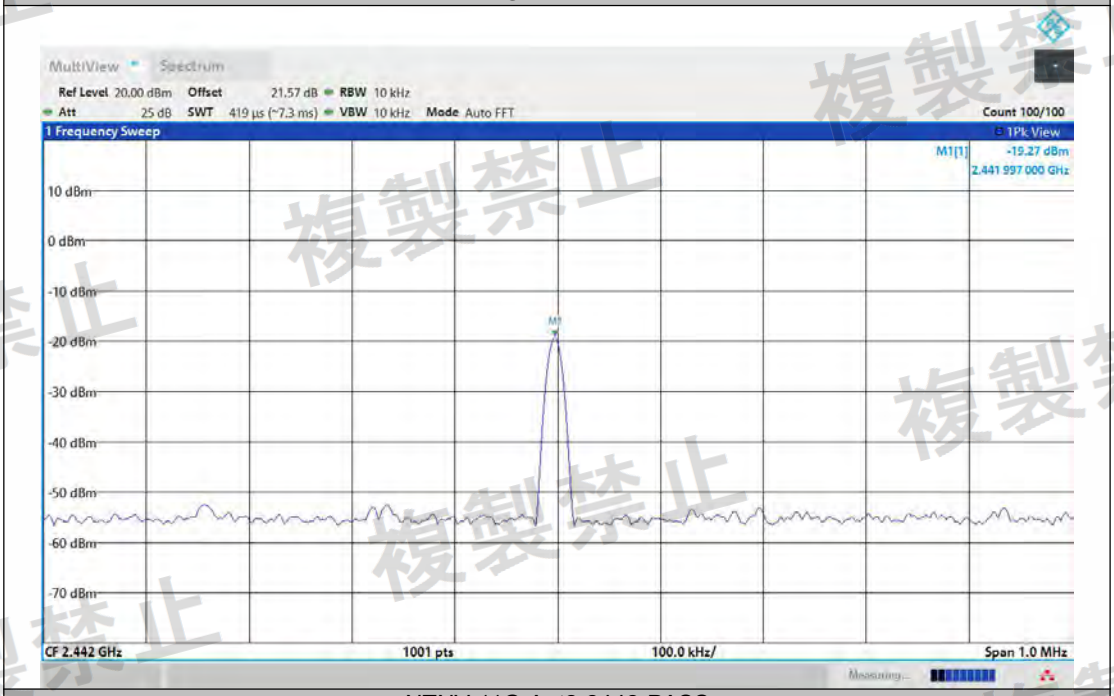
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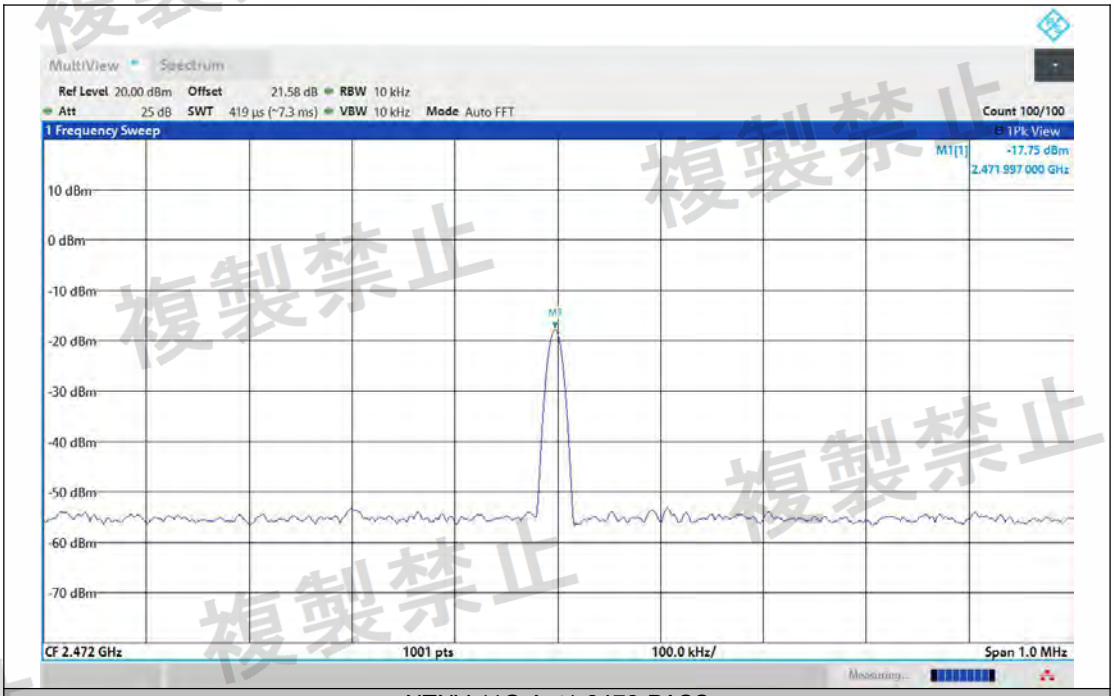
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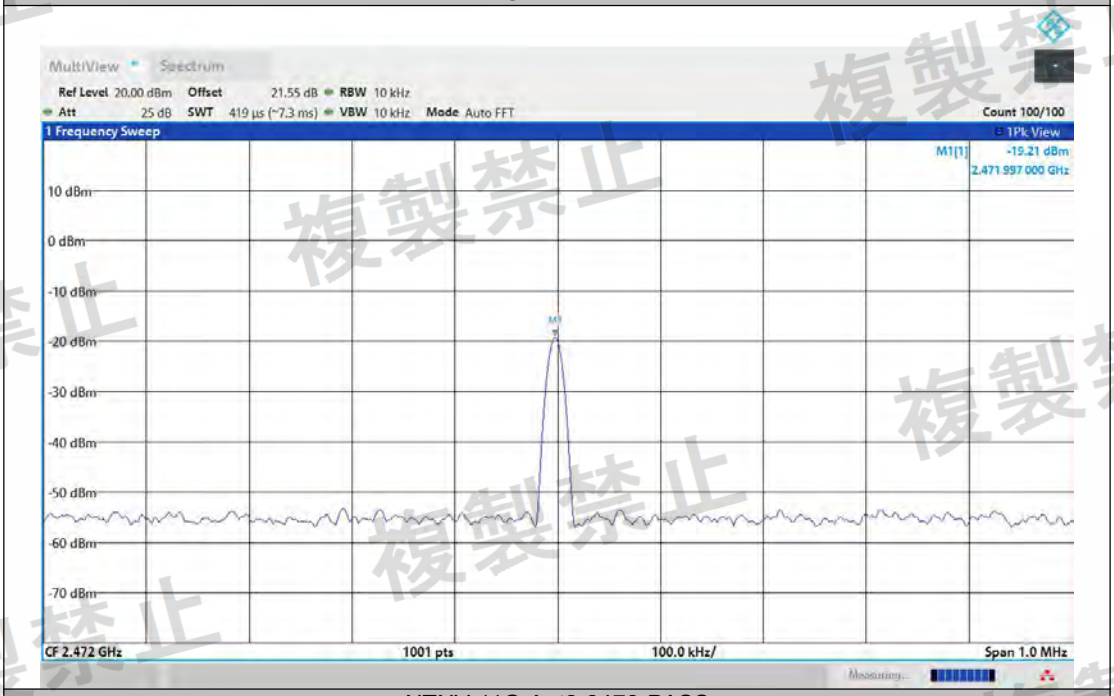
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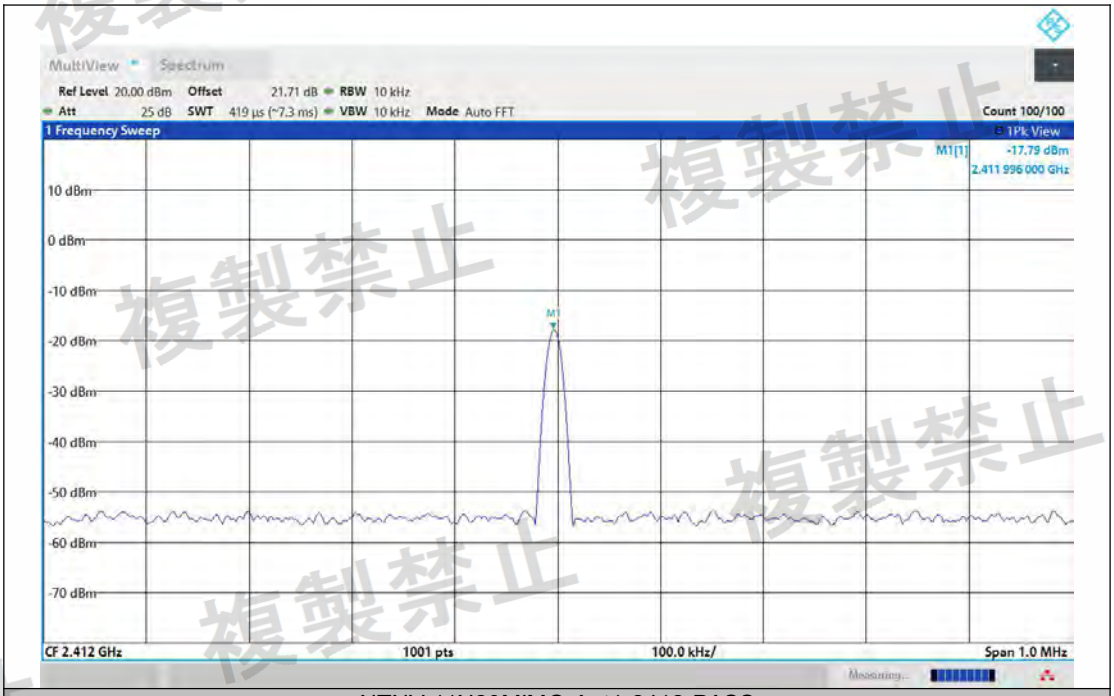
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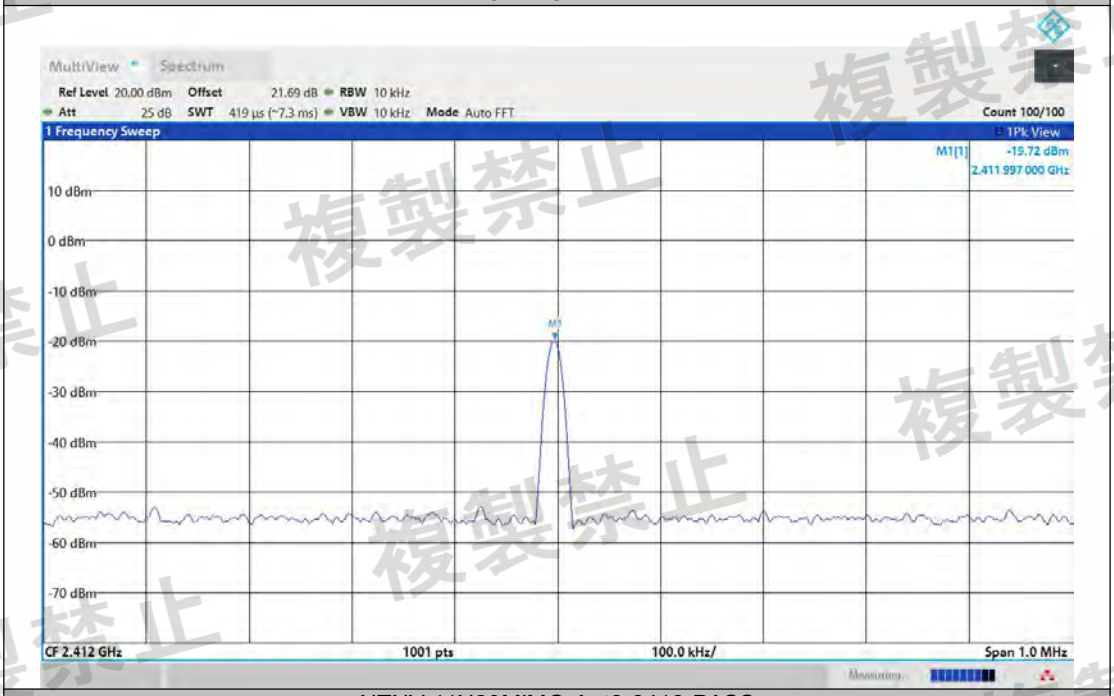
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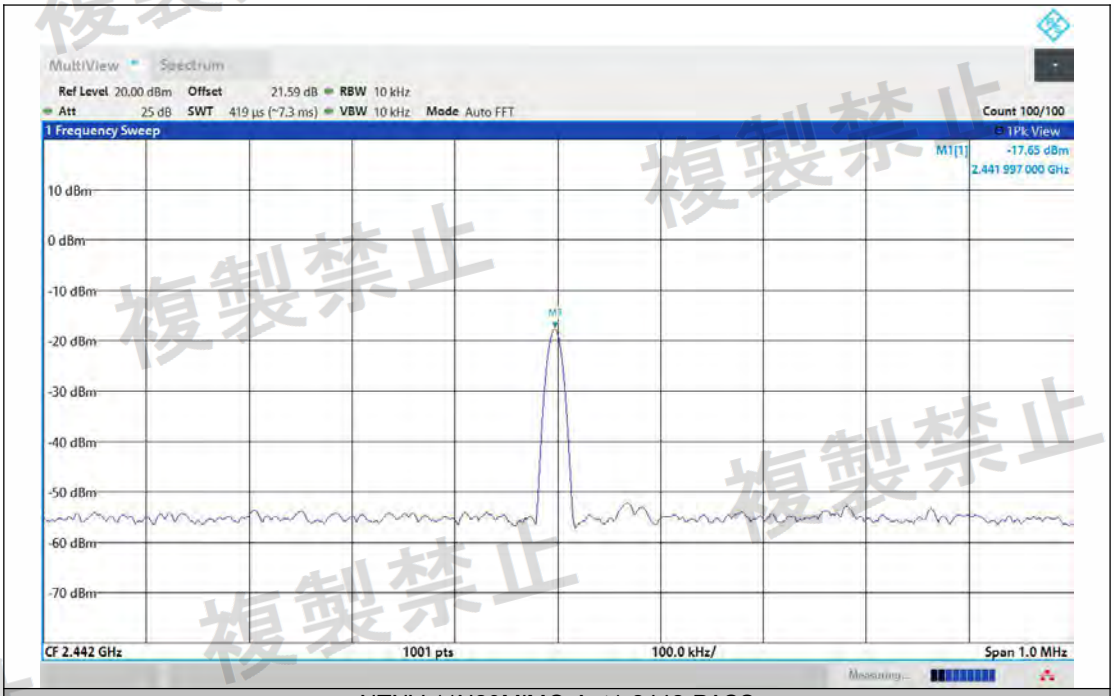
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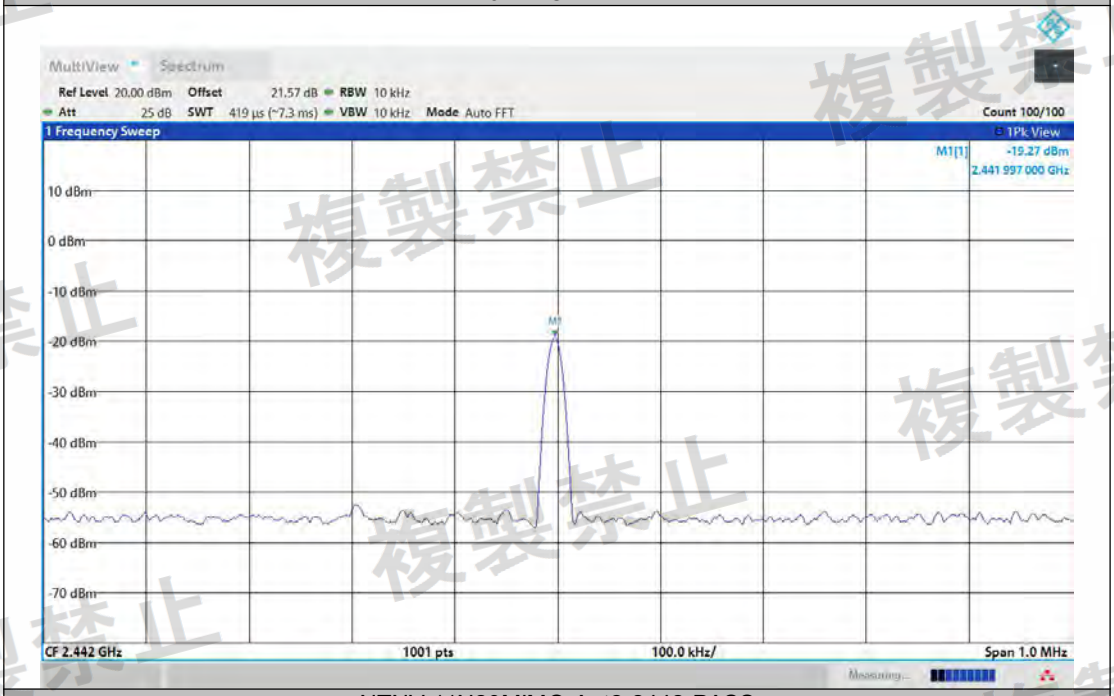
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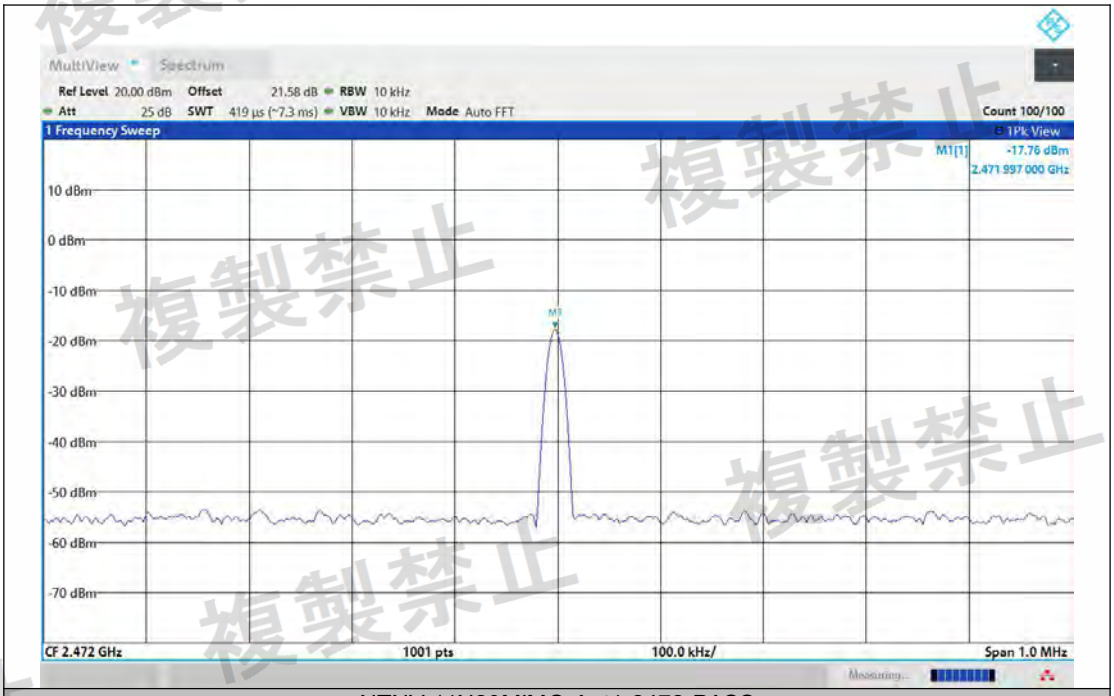
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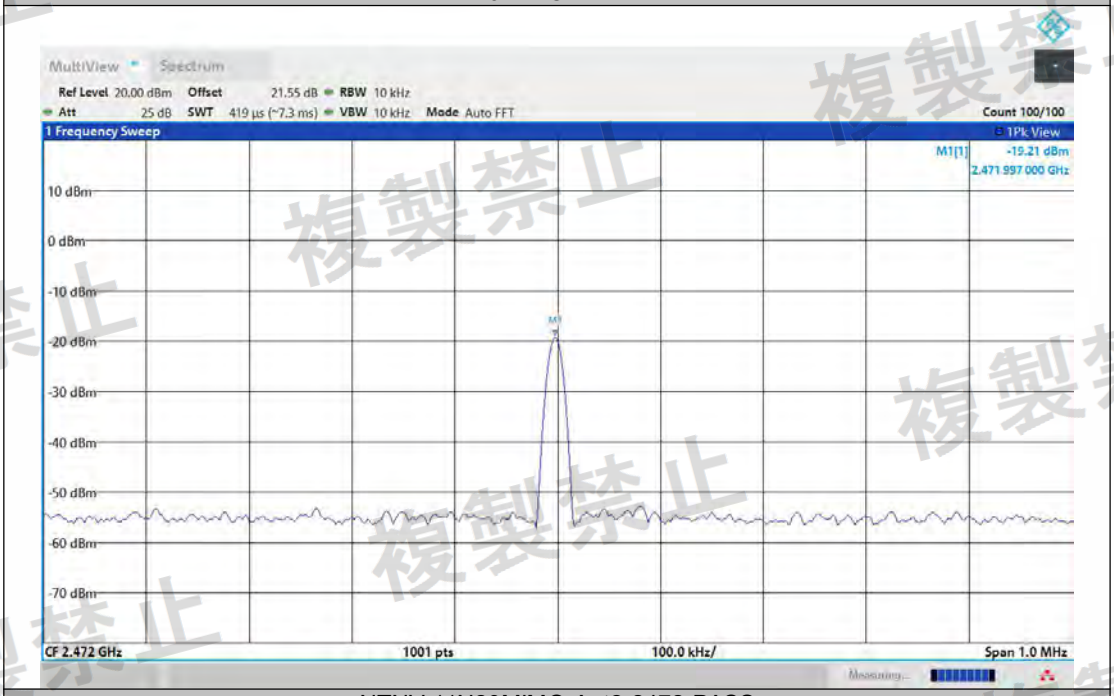
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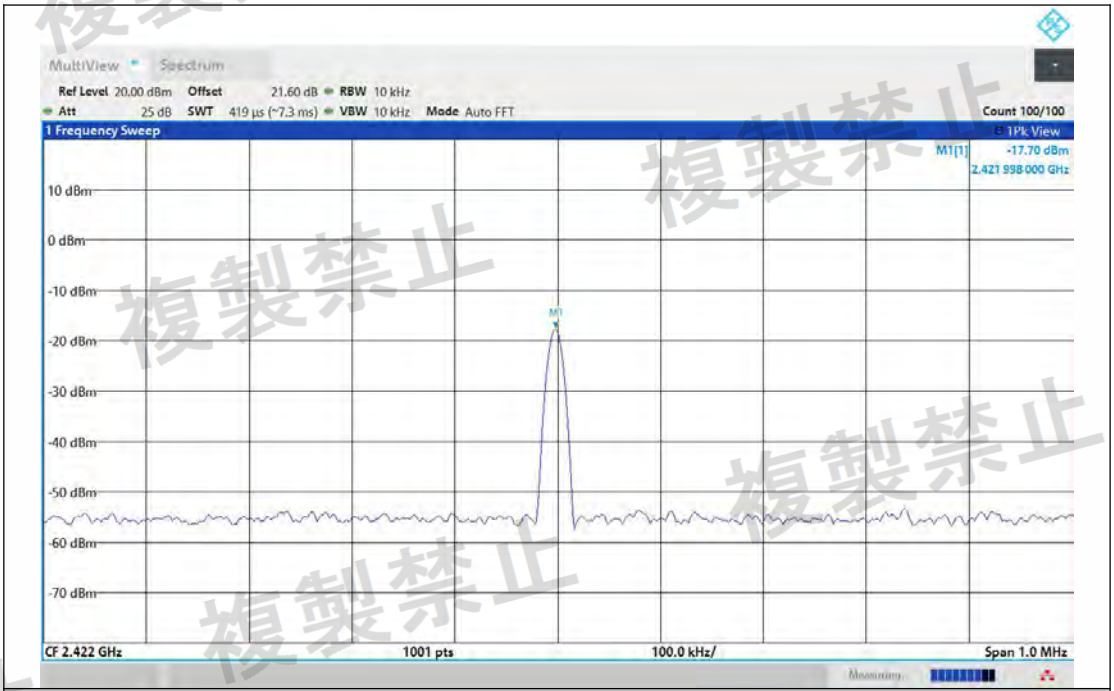
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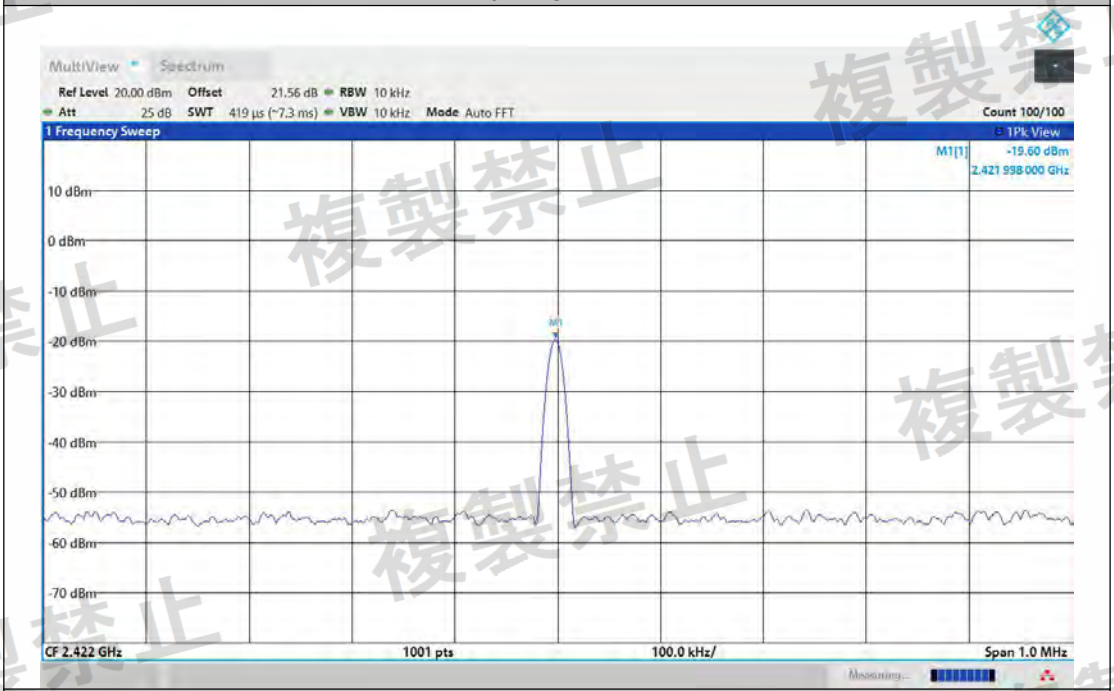
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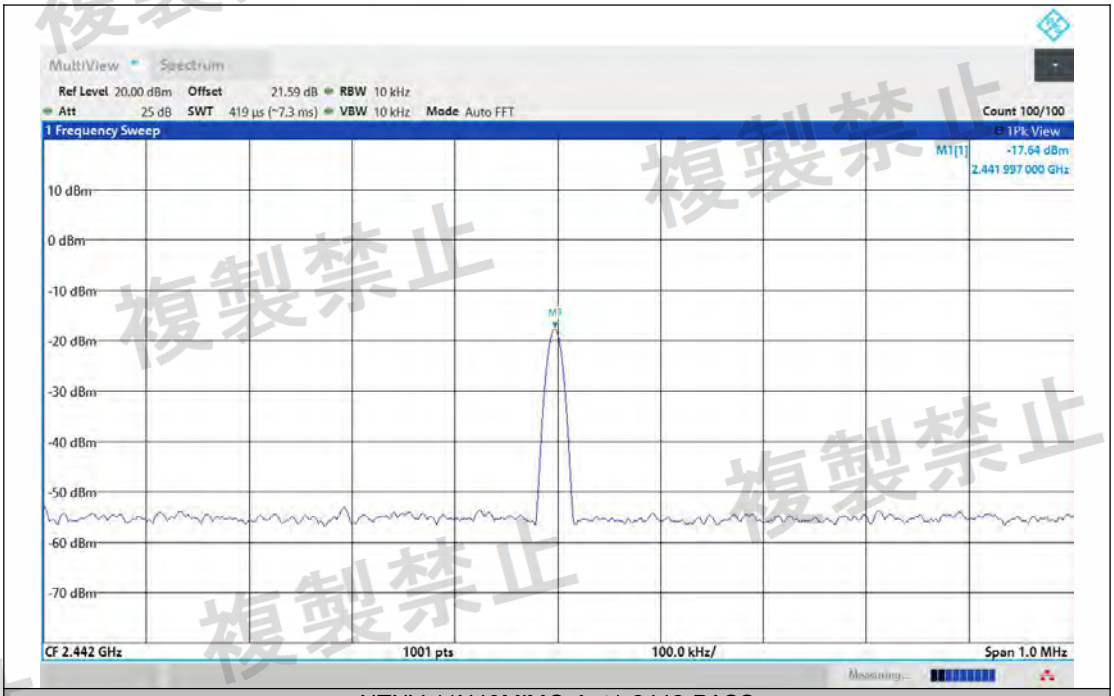
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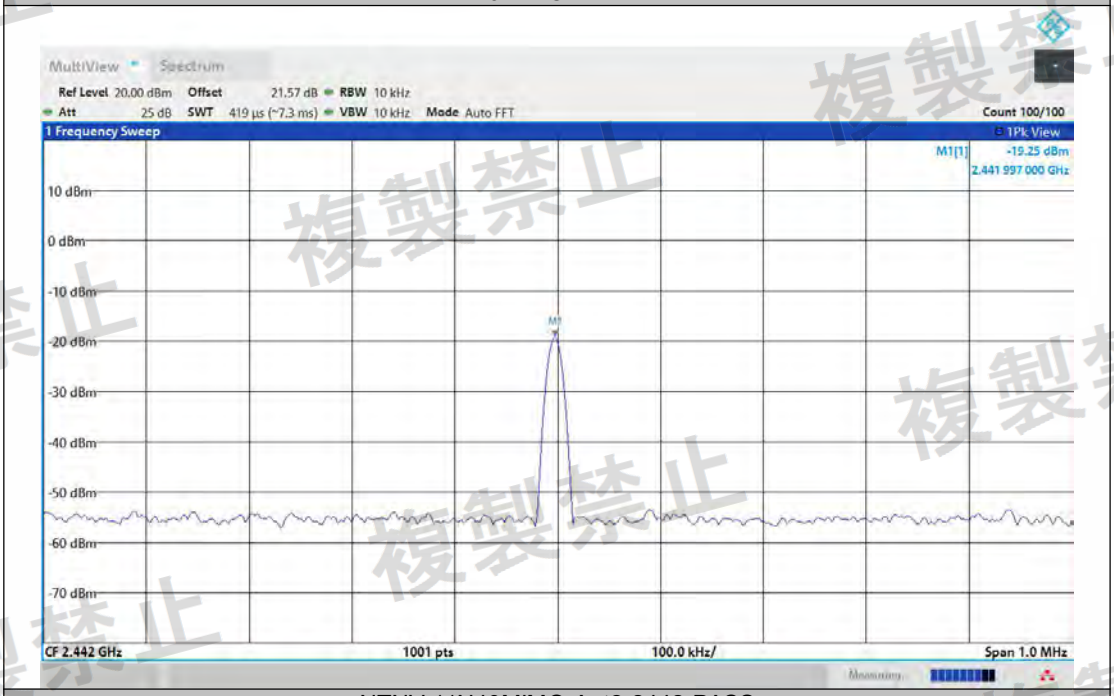
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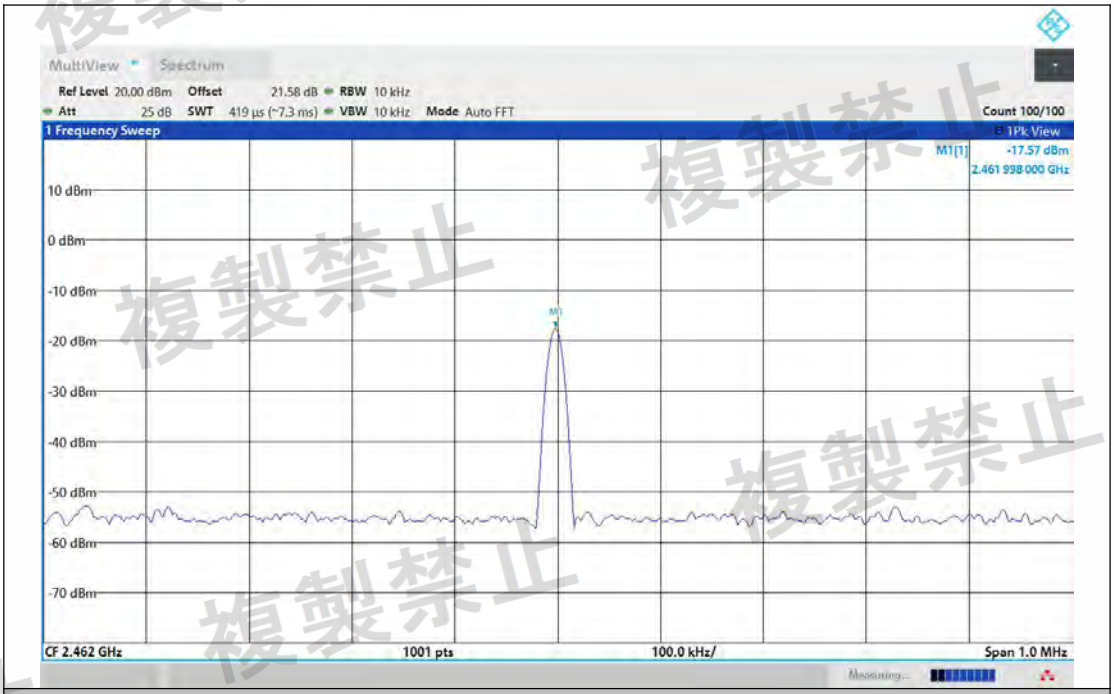
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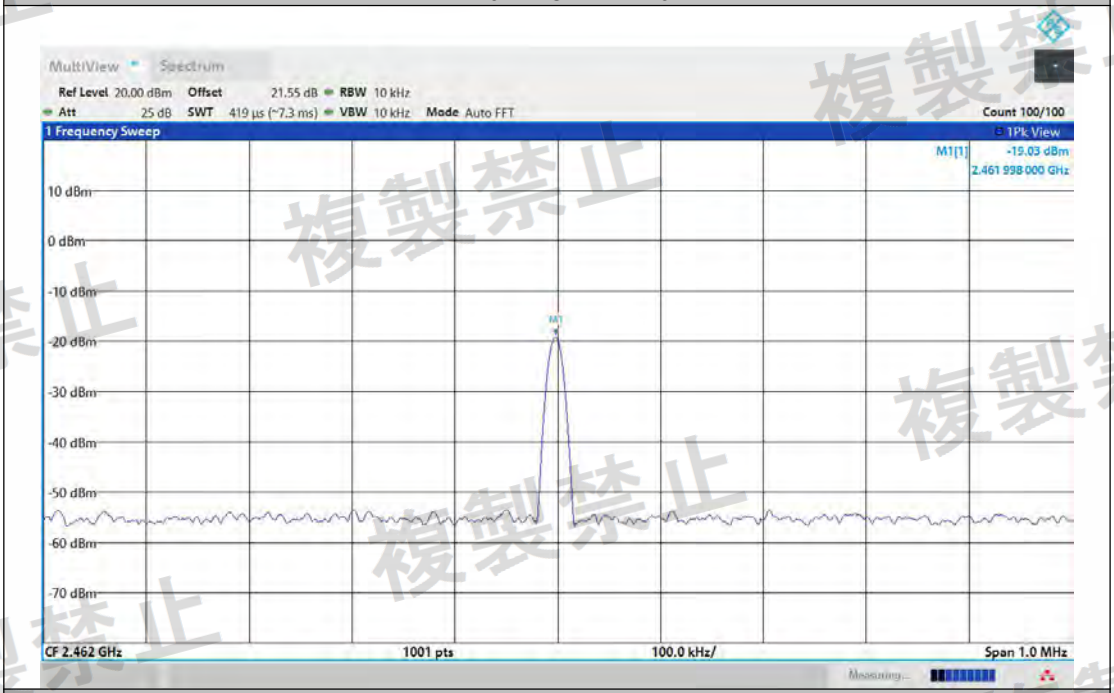
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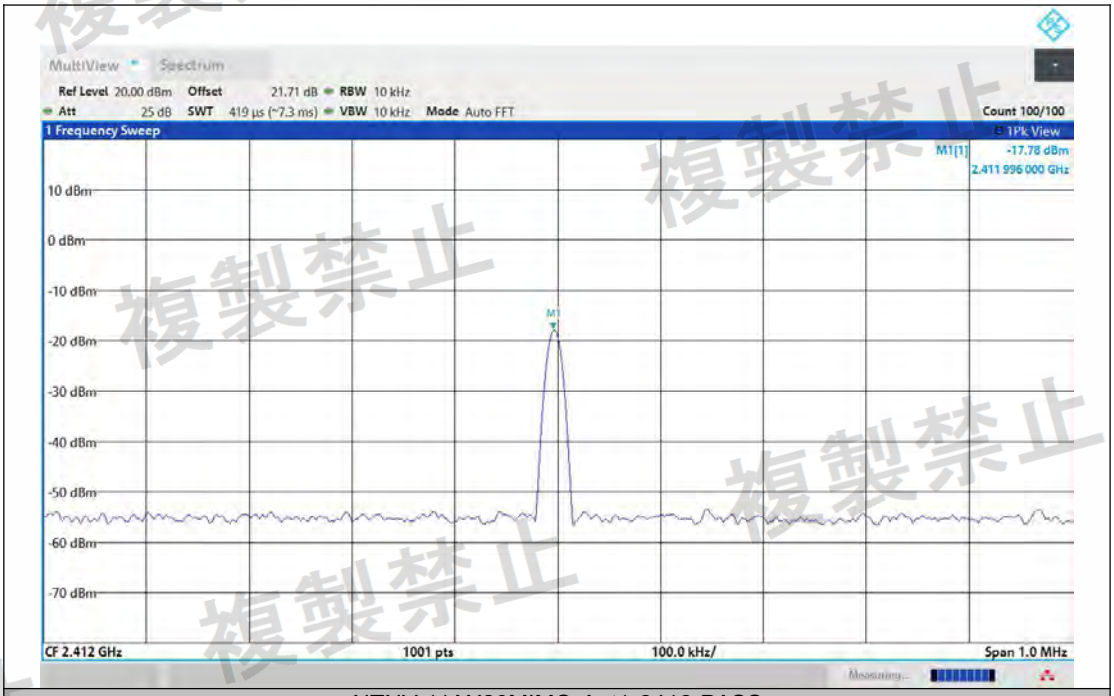
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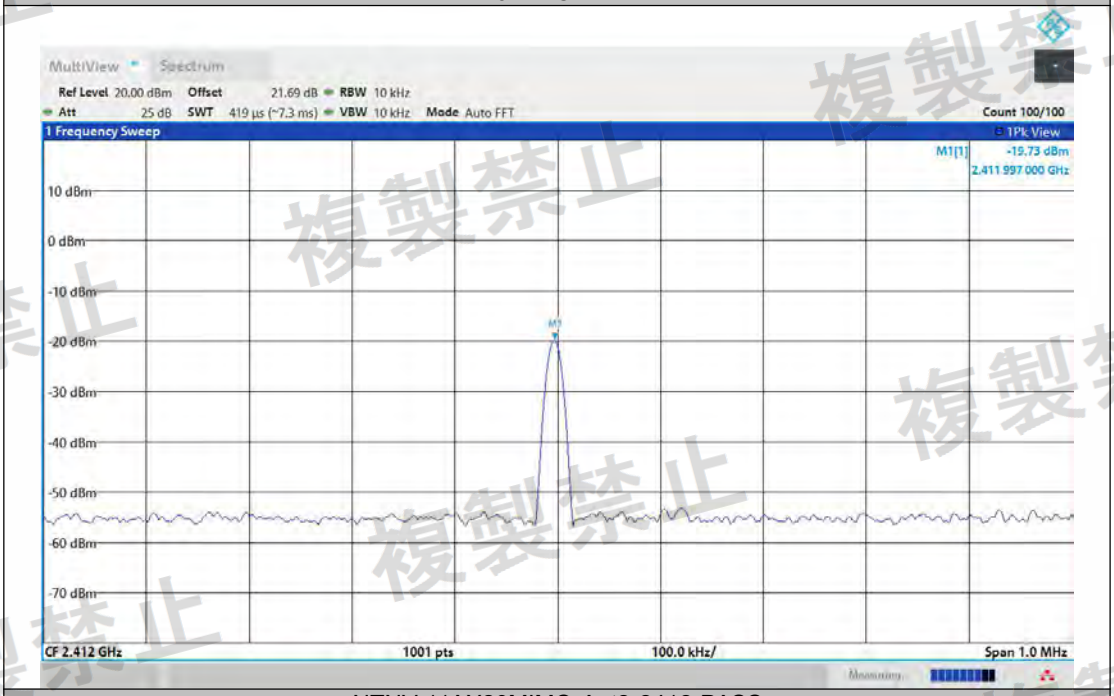
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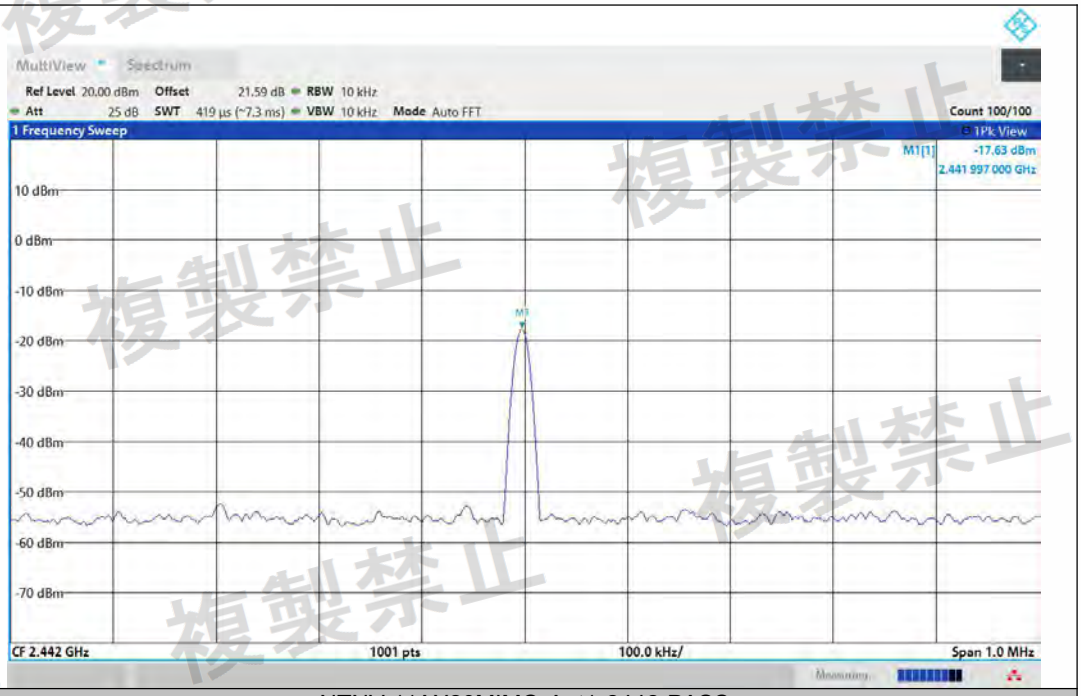
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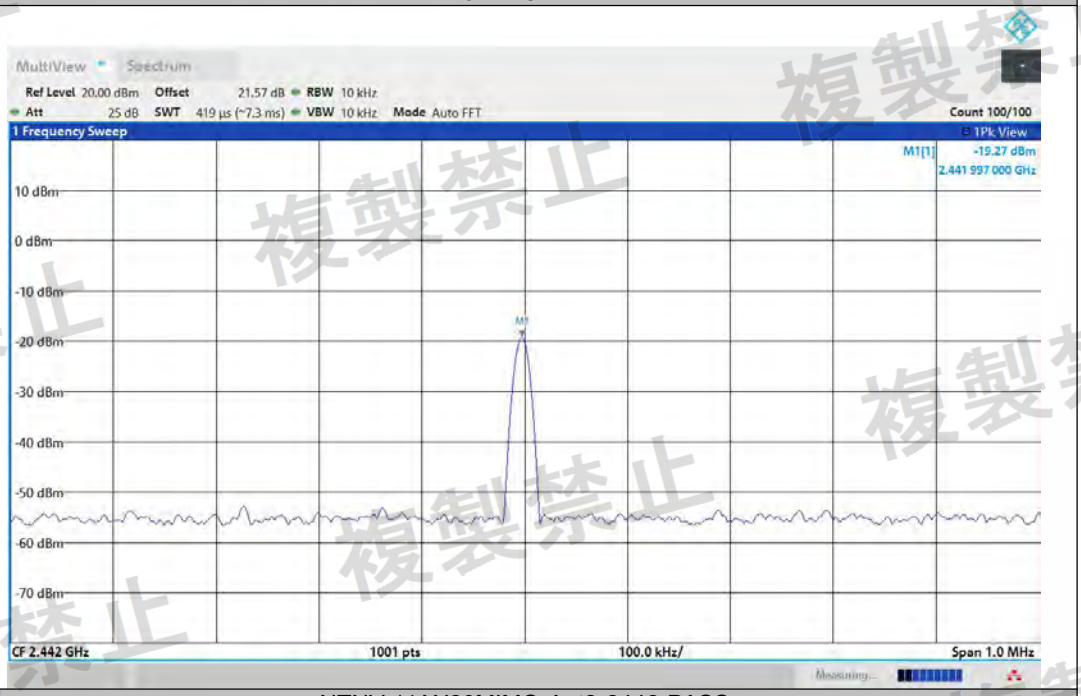
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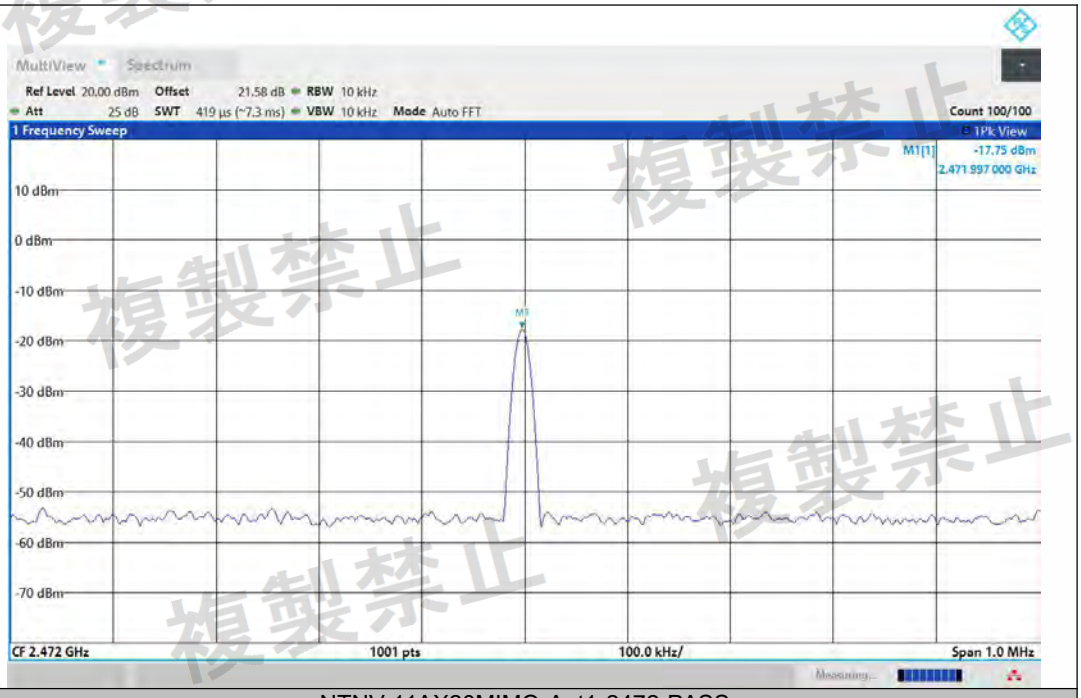
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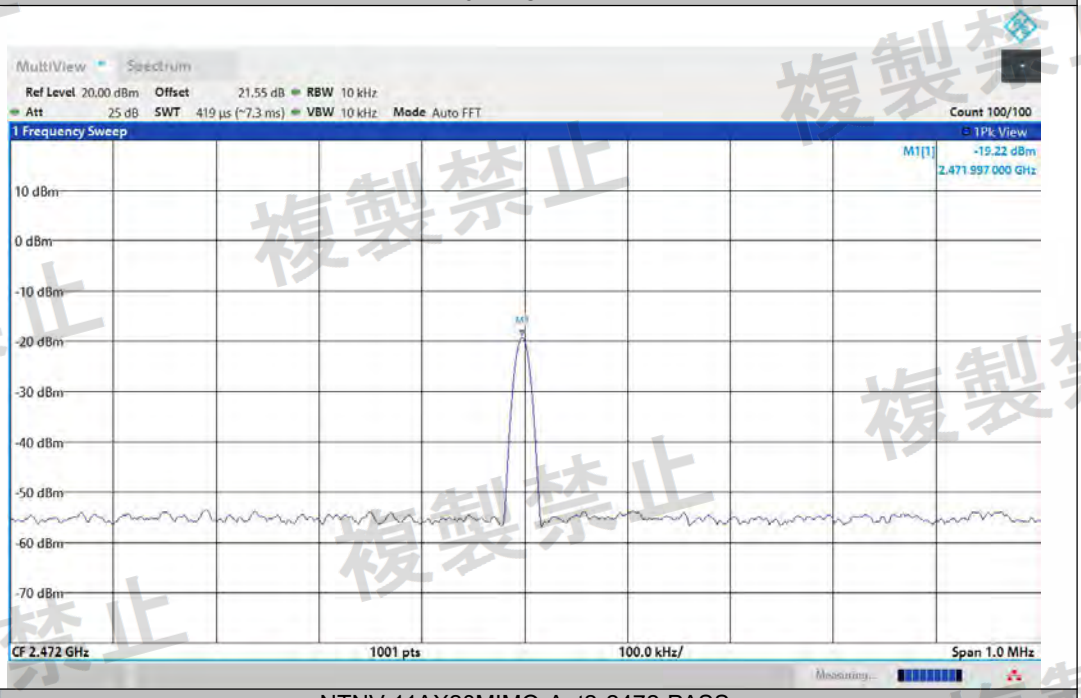
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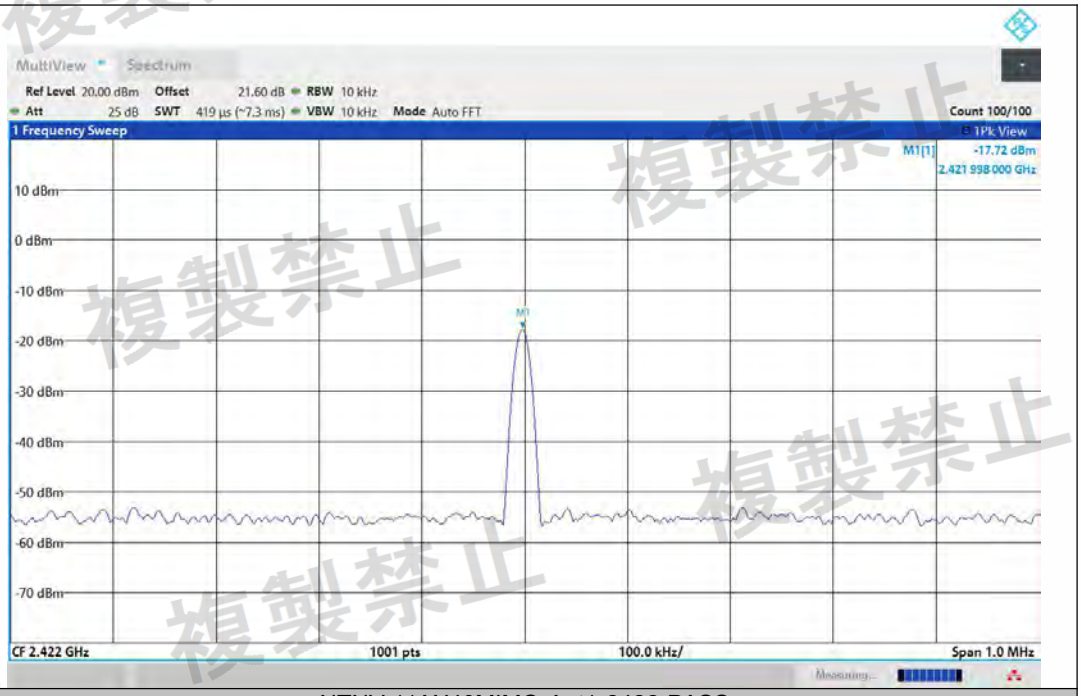
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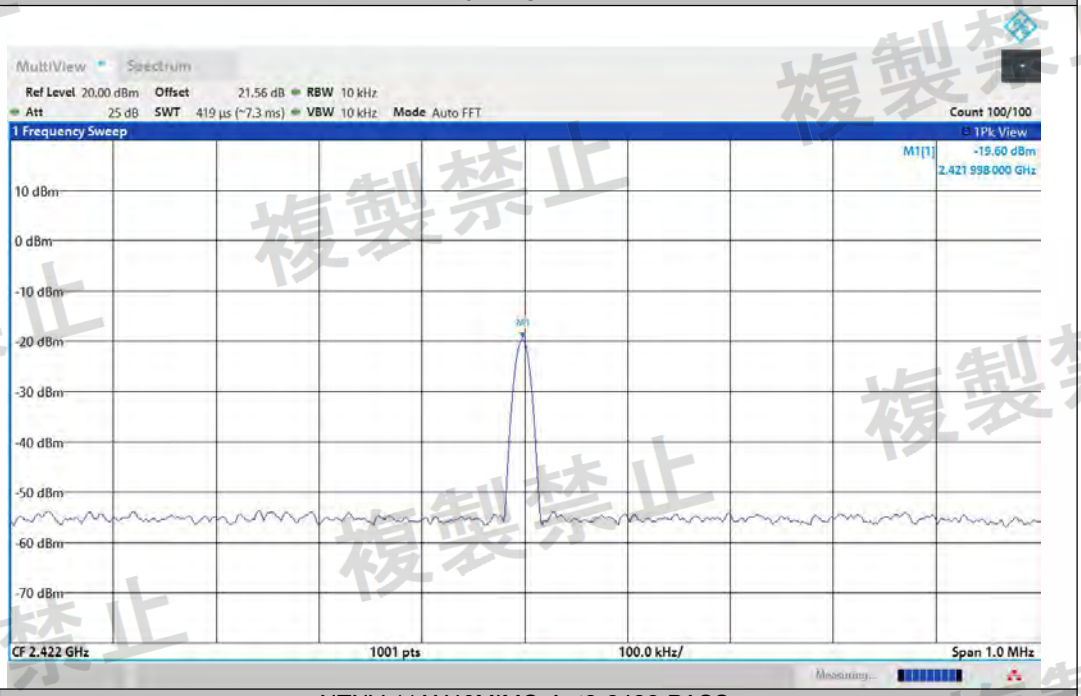
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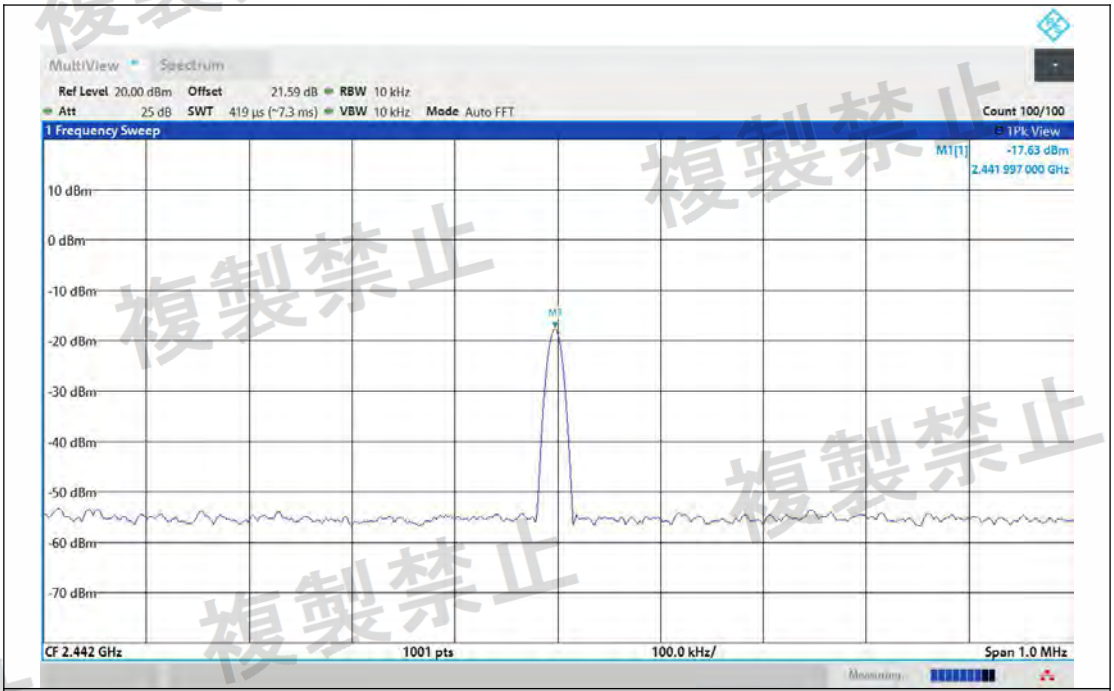
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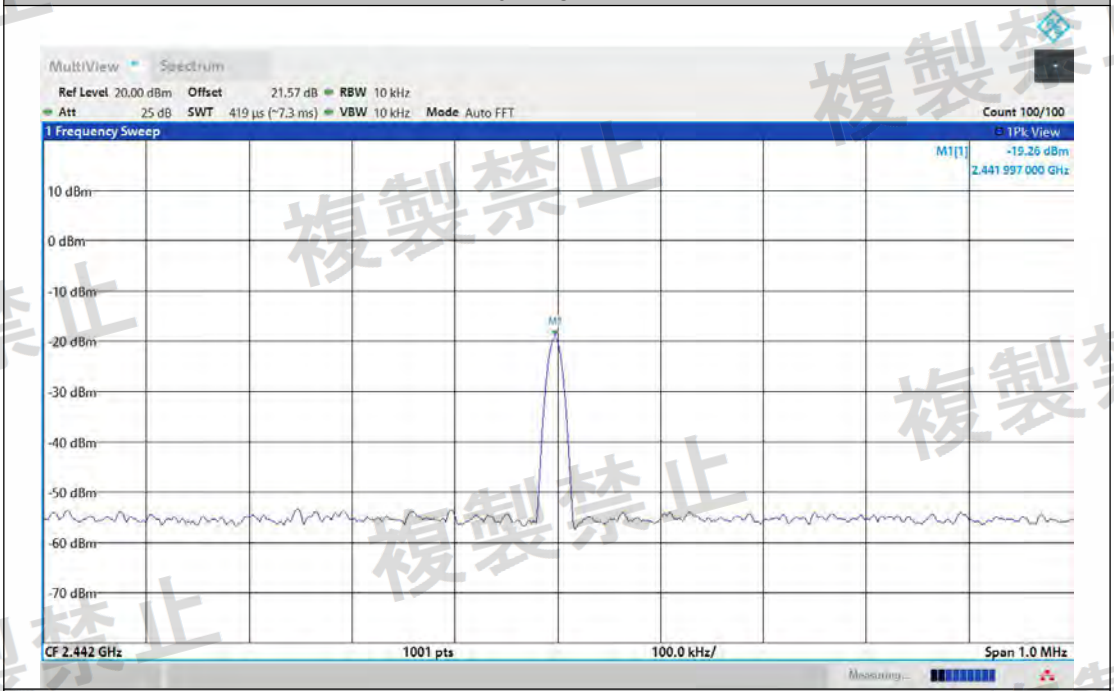
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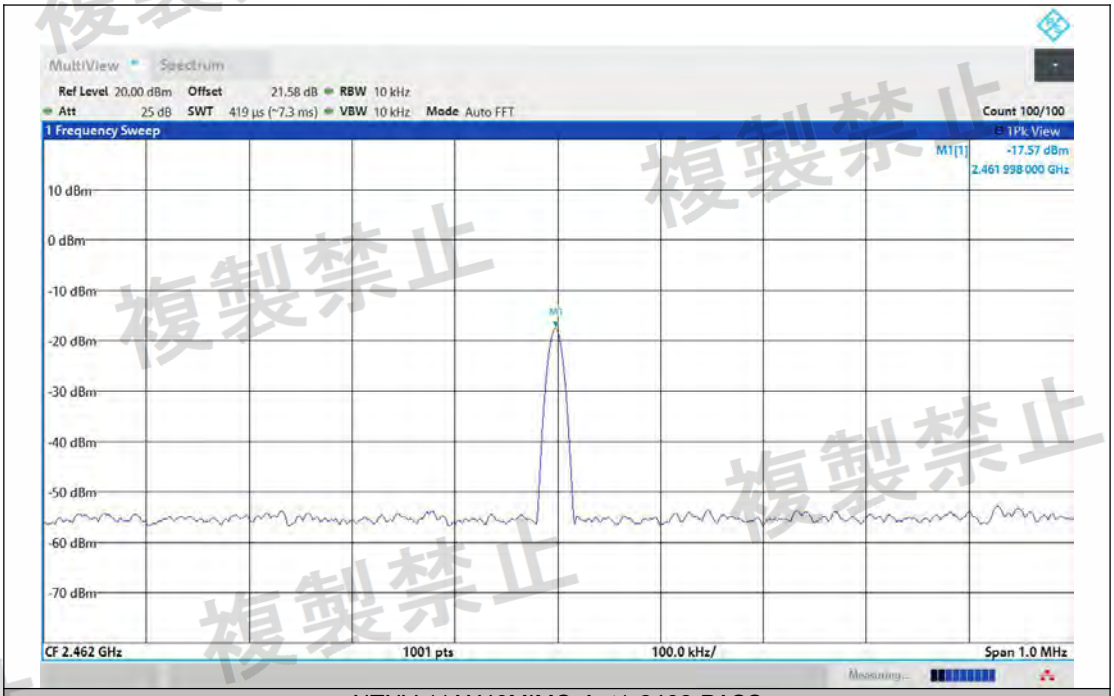
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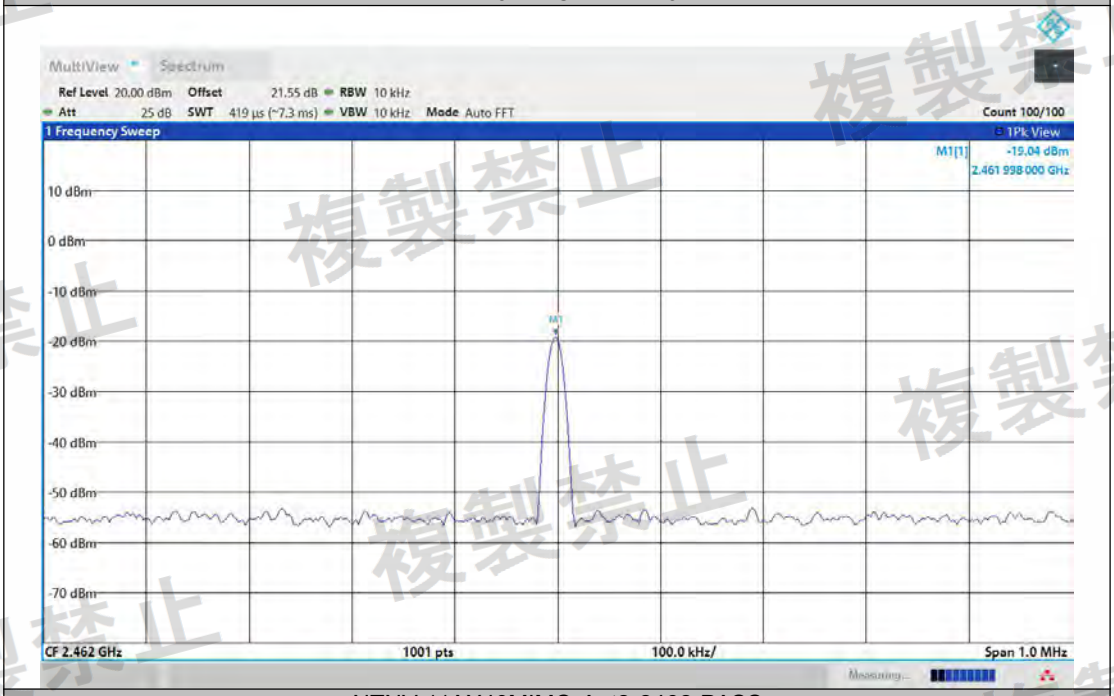
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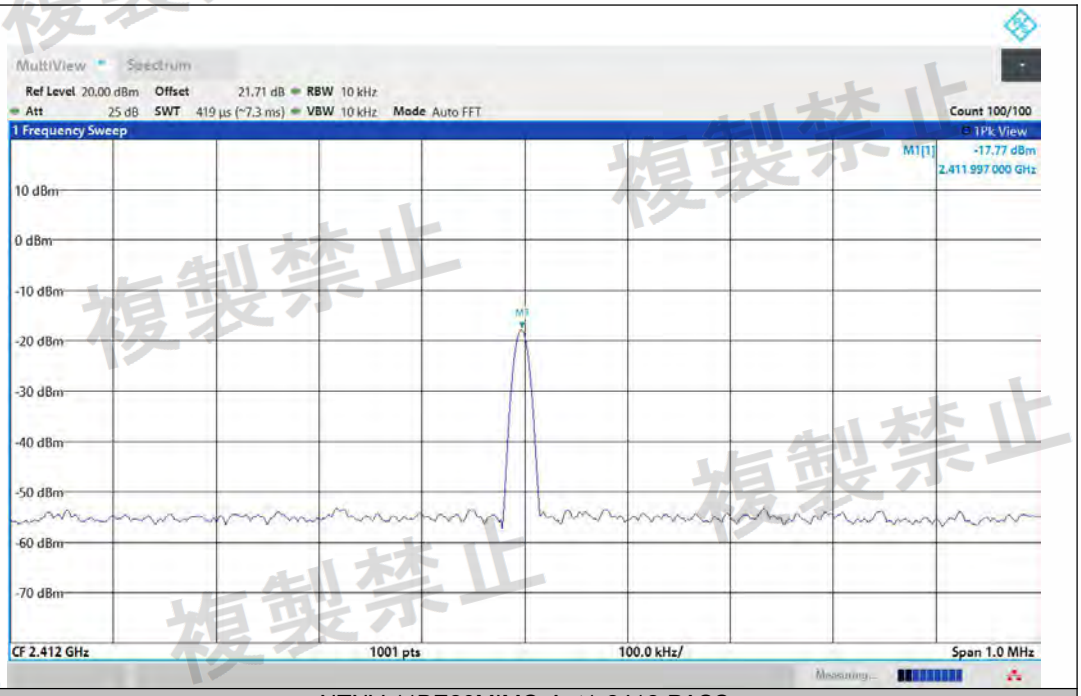
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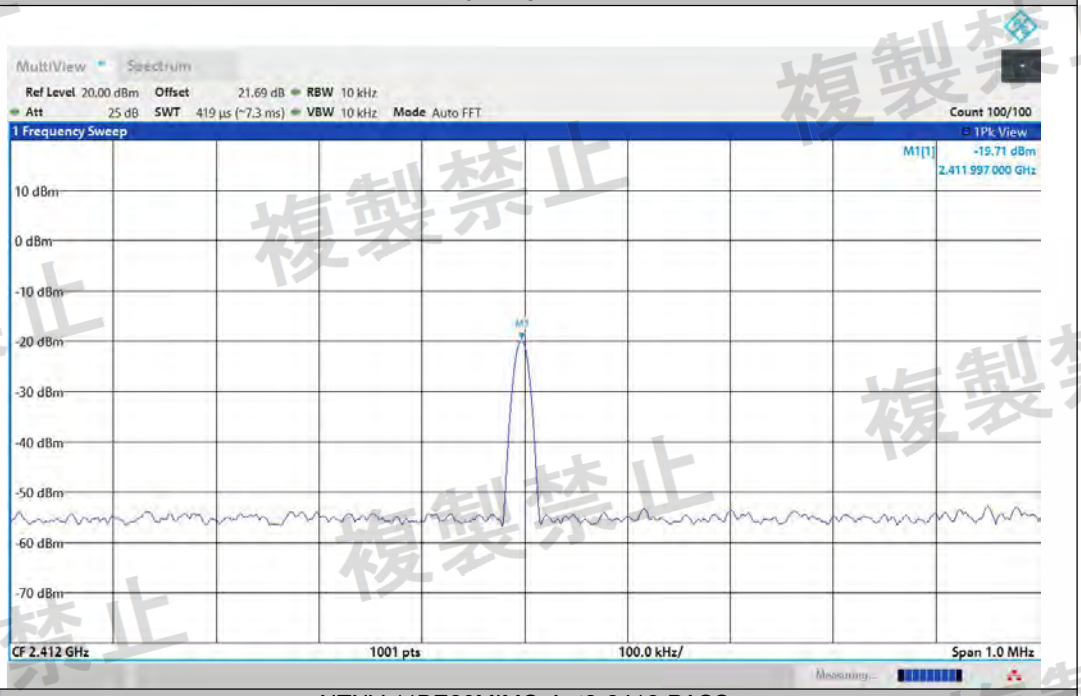
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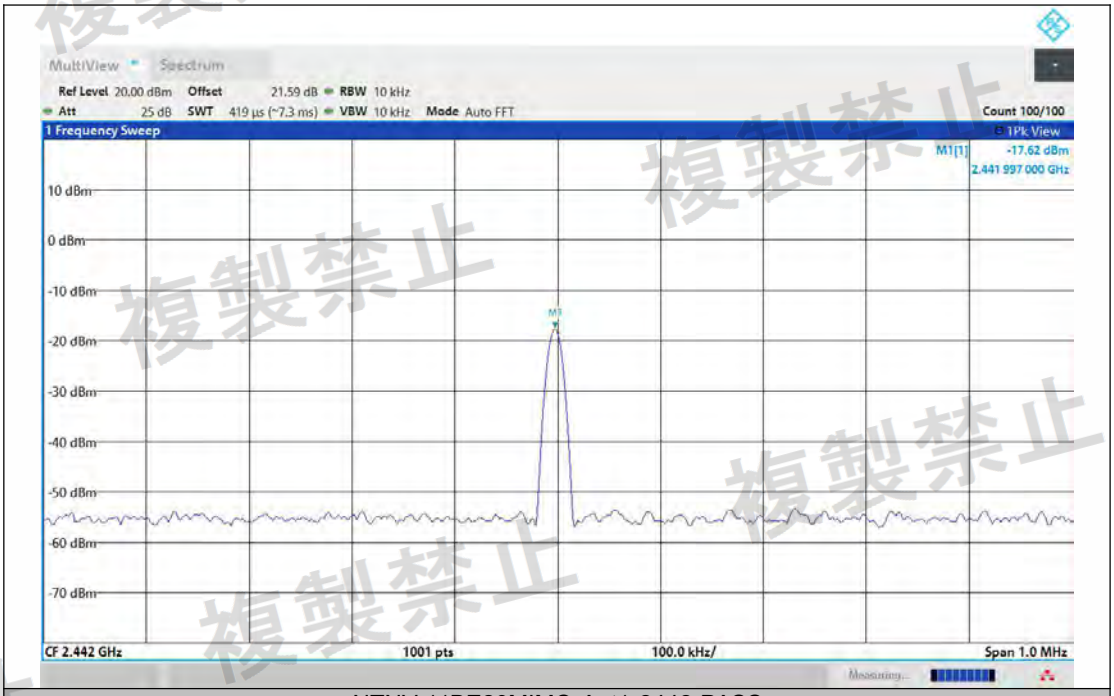
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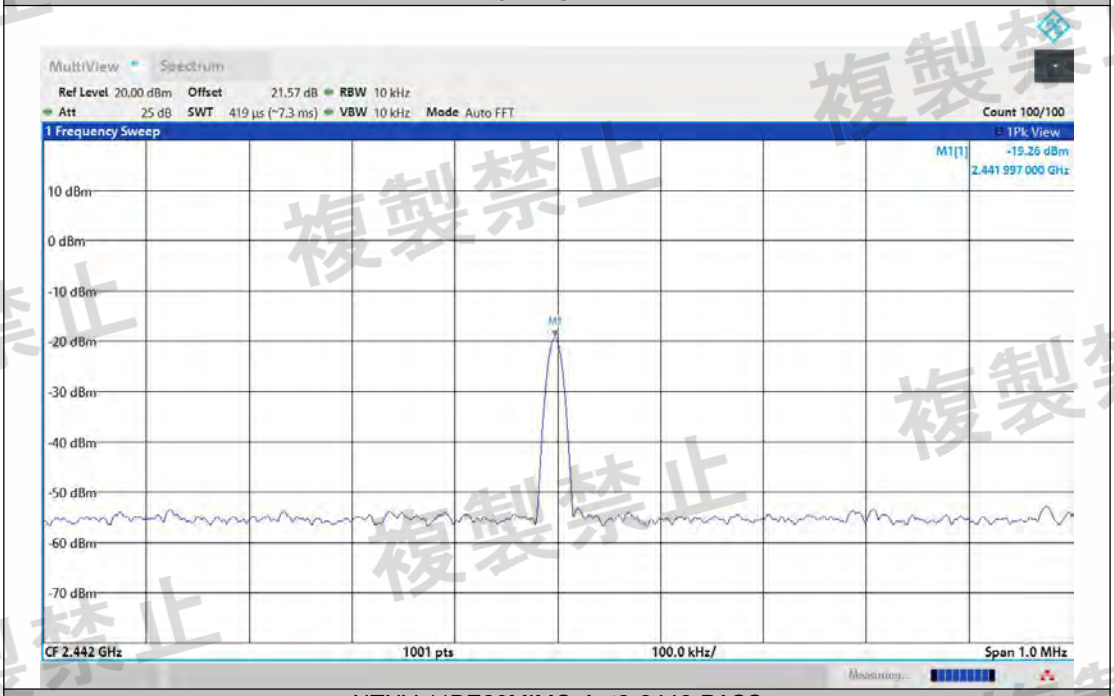
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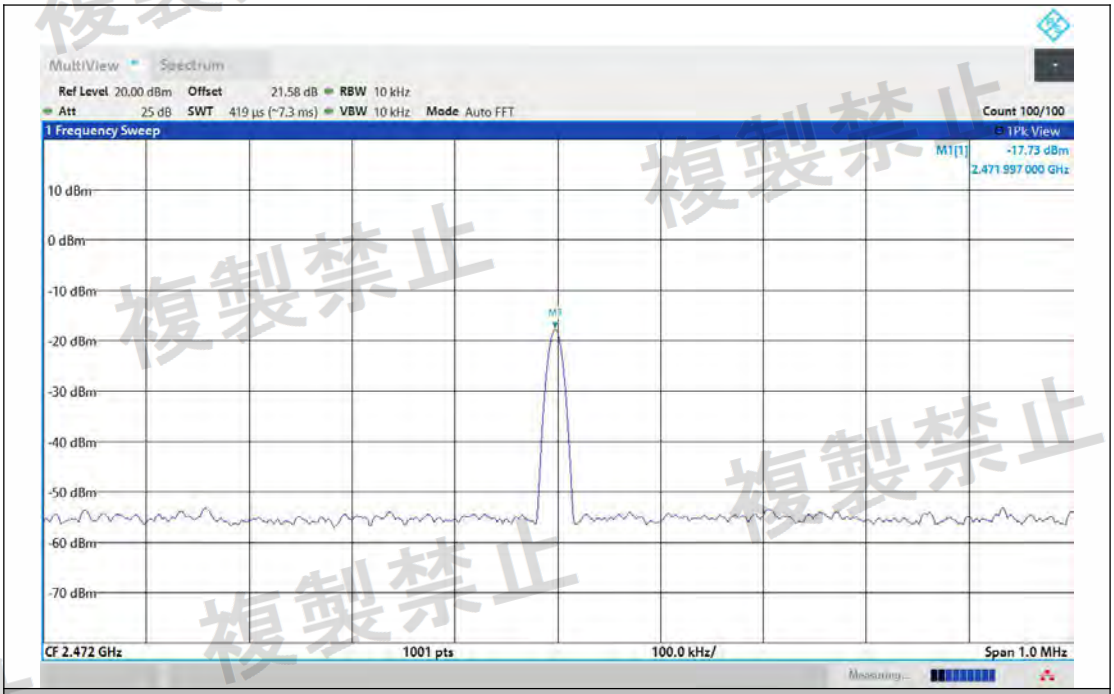
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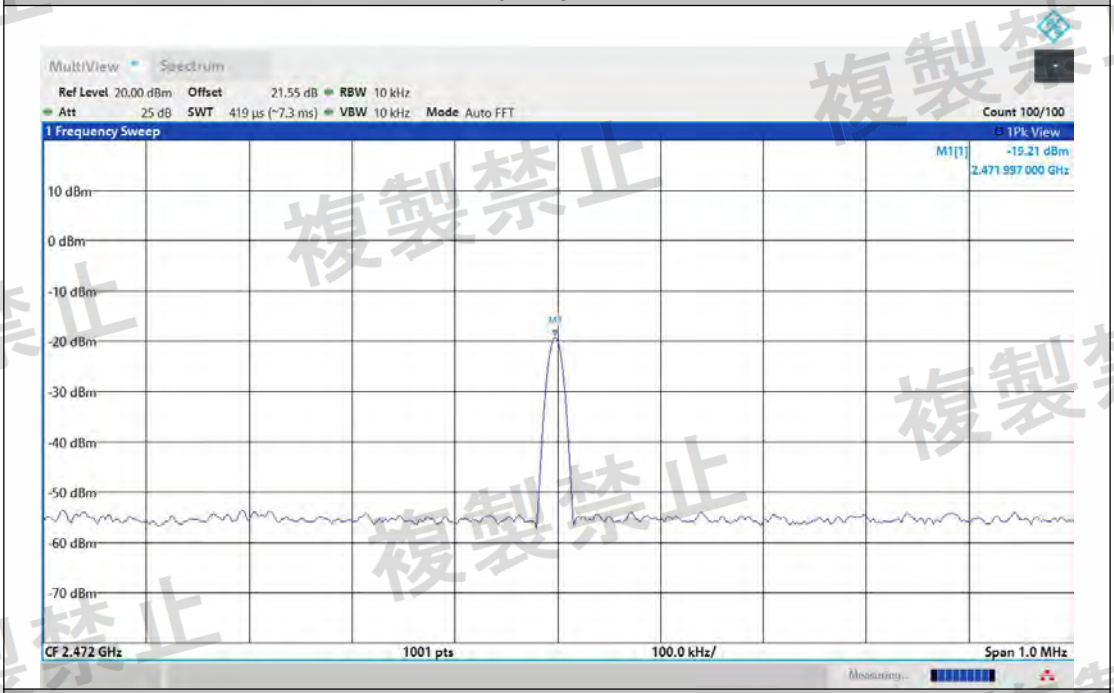
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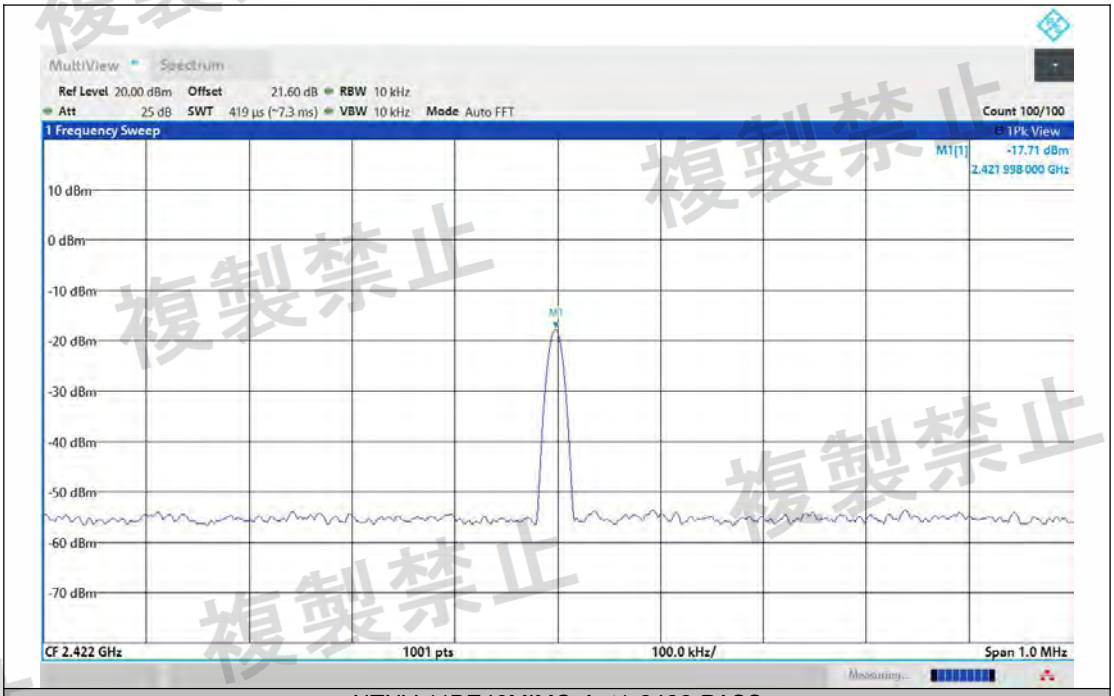
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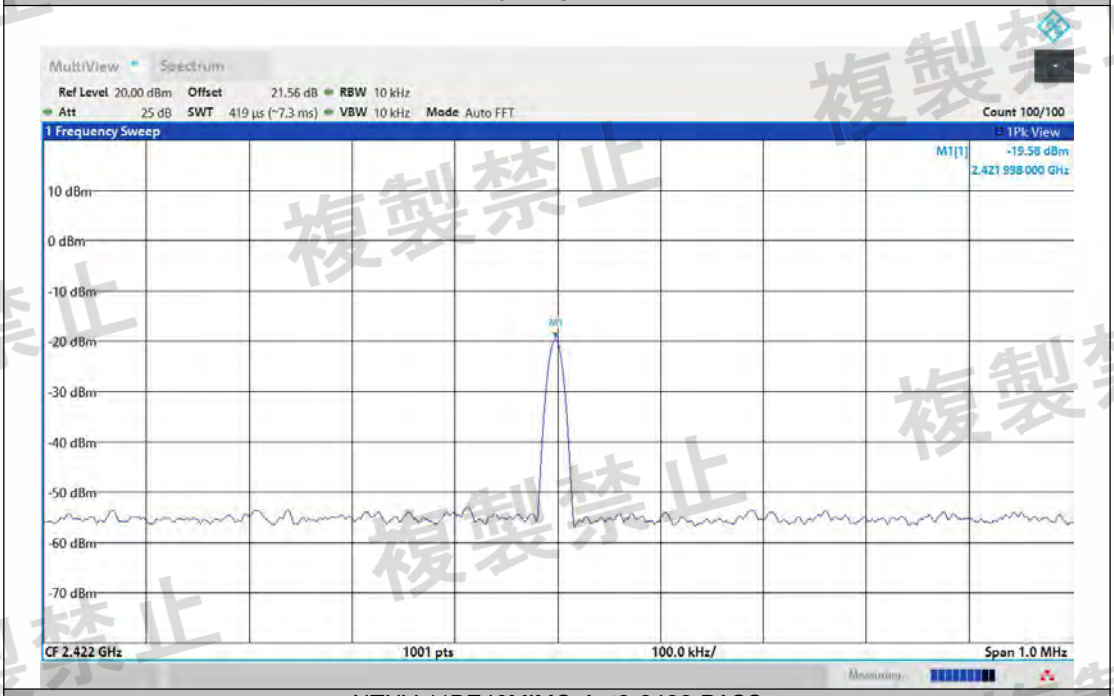
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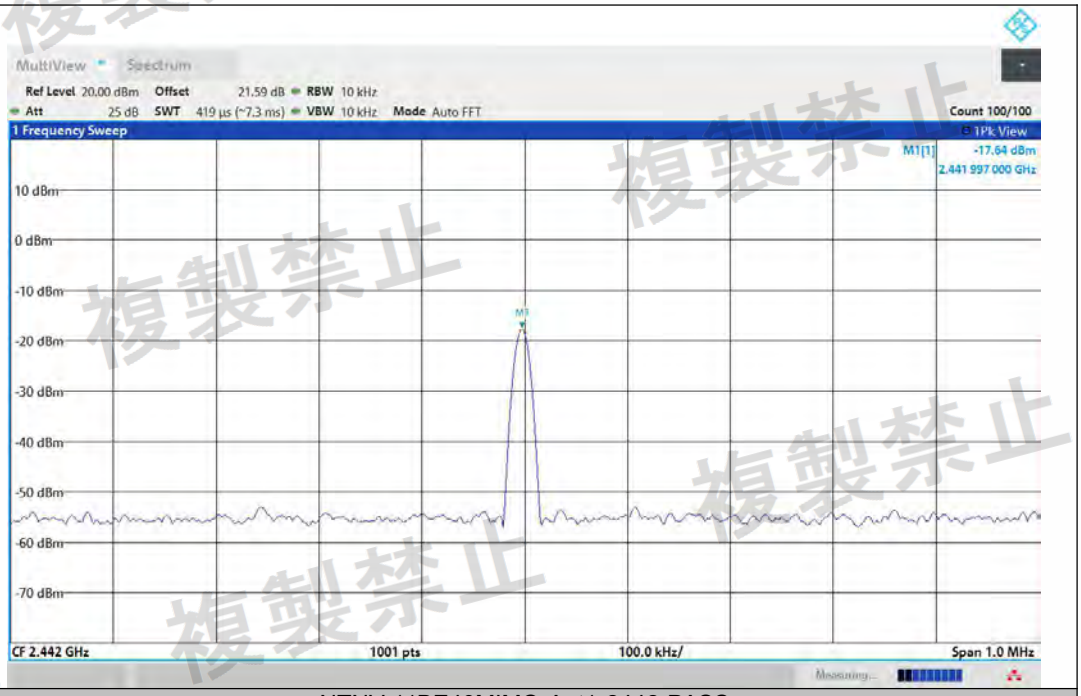
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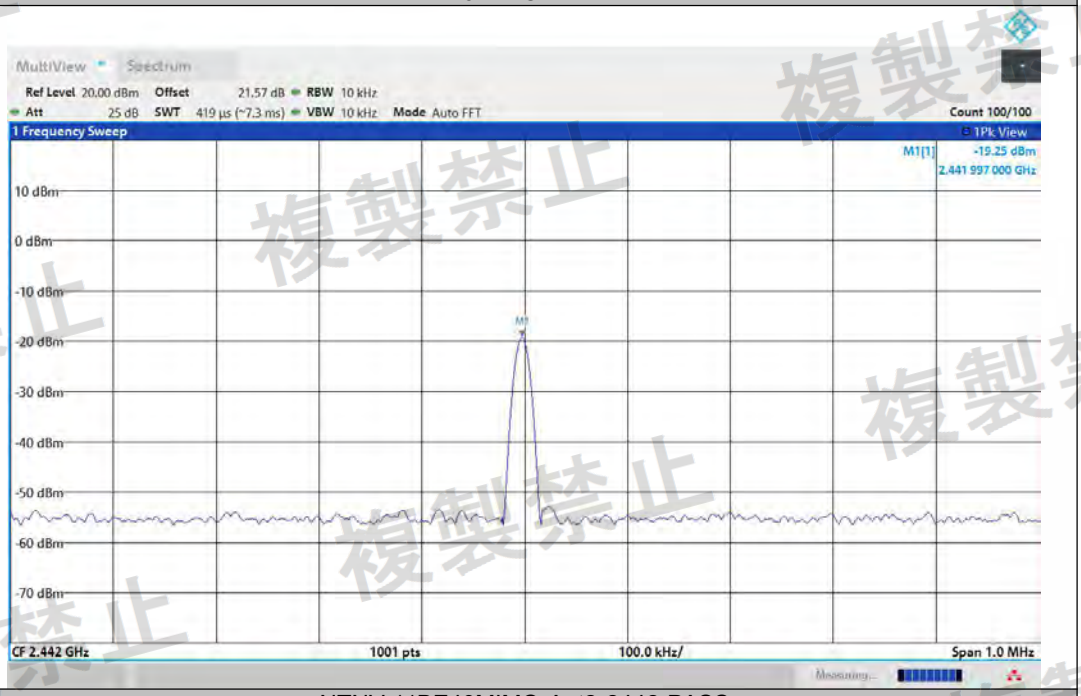
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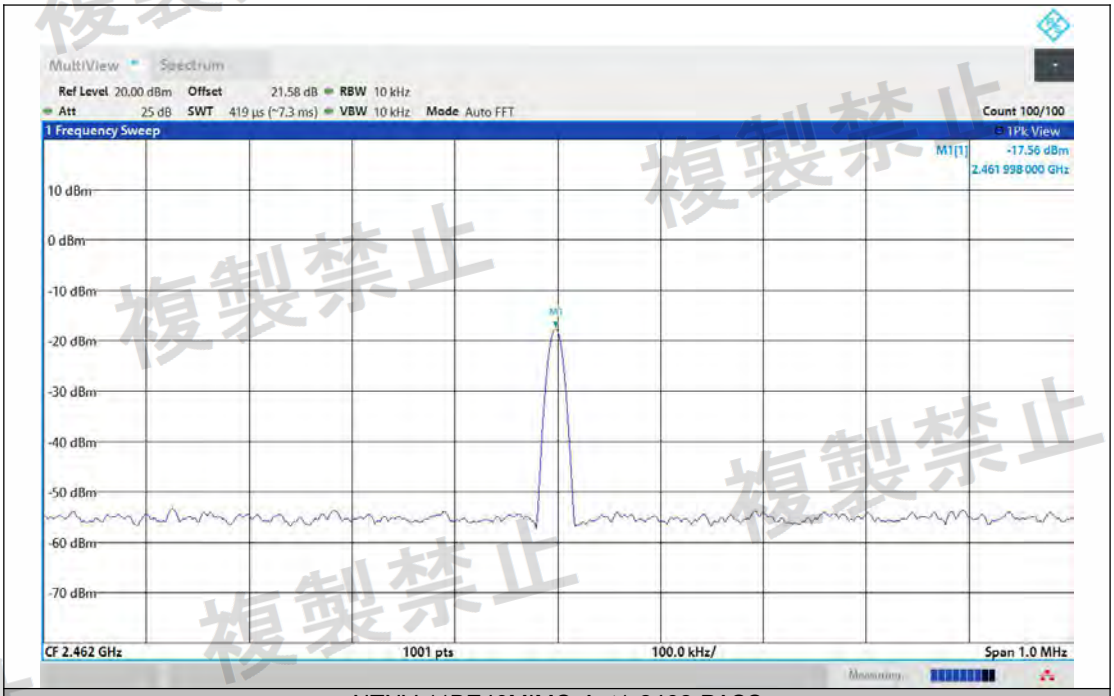
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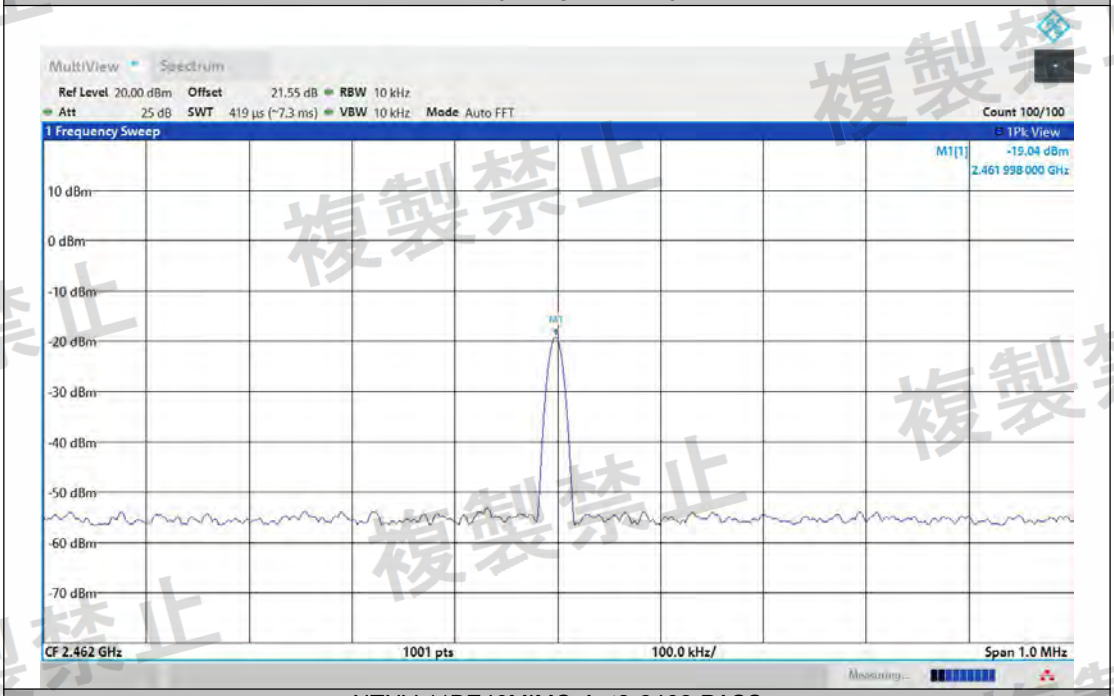
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NTNV-11BE40MIMO-Ant2-2442-PASS



NTNV-11BE40MIMO-Ant1-2462-PASS



NTNV-11BE40MIMO-Ant2-2462-PASS

7.3 Occupied Bandwidth (99%)

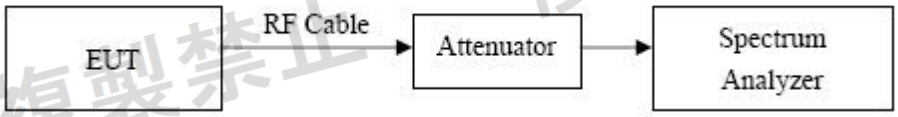
7.3.1 Applicable Standard

According to Item 19 of Article 2 Paragraph 1.

7.3.2 Conformance Limit

Occupied bandwidth: FH≤83.5 MHz; DS≤26 MHz; OFDM≤38 MHz, Others≤26 MHz

7.3.3 Test Setup Block Diagram



7.3.4 Test Procedure

(1) Spectrum analyzer is set as below

Central Frequency	Test frequency
Sweeping Bandwidth	2 to 3.5 times the allowable value(SPAN=80MHz for 802.11n(HT40) ,SPAN=50MHz for the others)
Resolution Bandwidth	Lower than 3 % of allowable value(RBW=300kHz)
Video Bandwidth	Equivalent to resoluble bandwidth
Y-Axis Scale	10 dB/Div
Input Level	Carrier level is sufficiently higher than spectrum analyzer noise
Sweep Time	Minimum time to assure the measurement accuracy (In case of burst wave, 1 burst per 1 sample)
Sampling points	More than 400 points
Sweep Mode	Consecutive sweep
Phase-Detection Mode	Positive peak
Trigger Condition	Max-hold

(2) Repeat the sweeping till no change was observed on the display and enter all values of data point to the computer as array variable.

(3) About all data, convert dB value to antilogarithm of electric power dimension.

(4) Add up the electric power of all data and record it as “Sum total of electric power”.

(5) Adding up data in order from the lowest frequency to upper frequencies, look for a limit point where the value reaches to 0.5% (5% in case of diffusion bandwidth) of “Sum total of electric power”. Convert the limit point to frequency and record as “Lowest limit frequency”.

(6) Adding up data in order from the highest frequency to lower frequencies, look for a limit point where the value reaches to 0.5% (5% in case of diffusion bandwidth) of “Sum total of electric

power". Convert the limit point to frequency and record as "Highest limit frequency".

(7) Repeat above procedures until all frequency measured was complete.

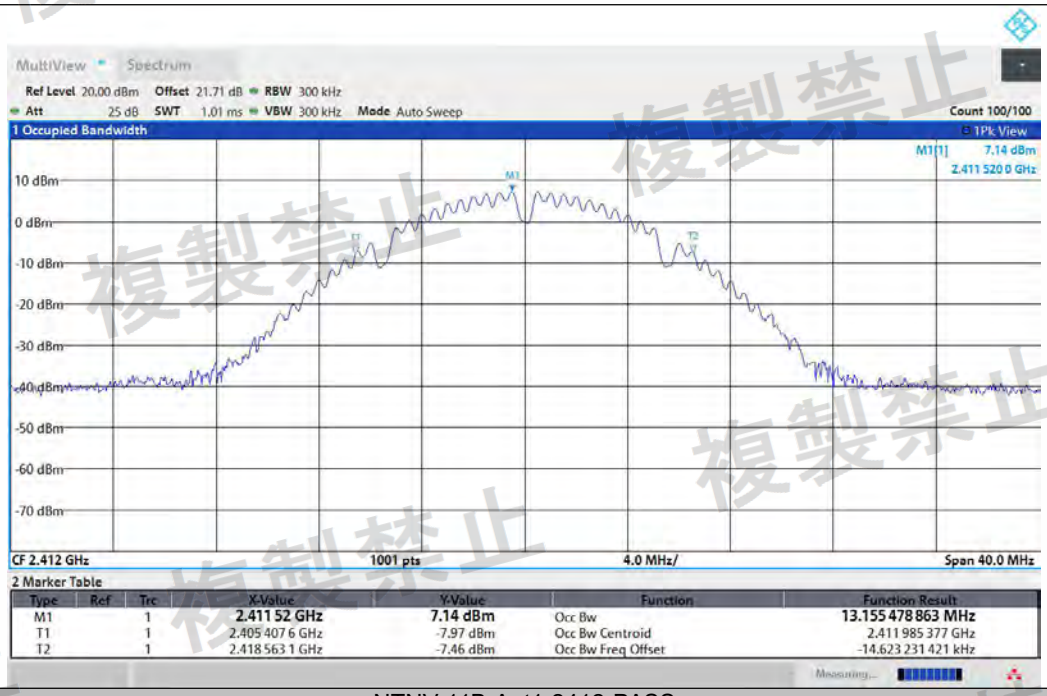
7.3.5 Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	45%
ATM Pressure:	1011 mbar

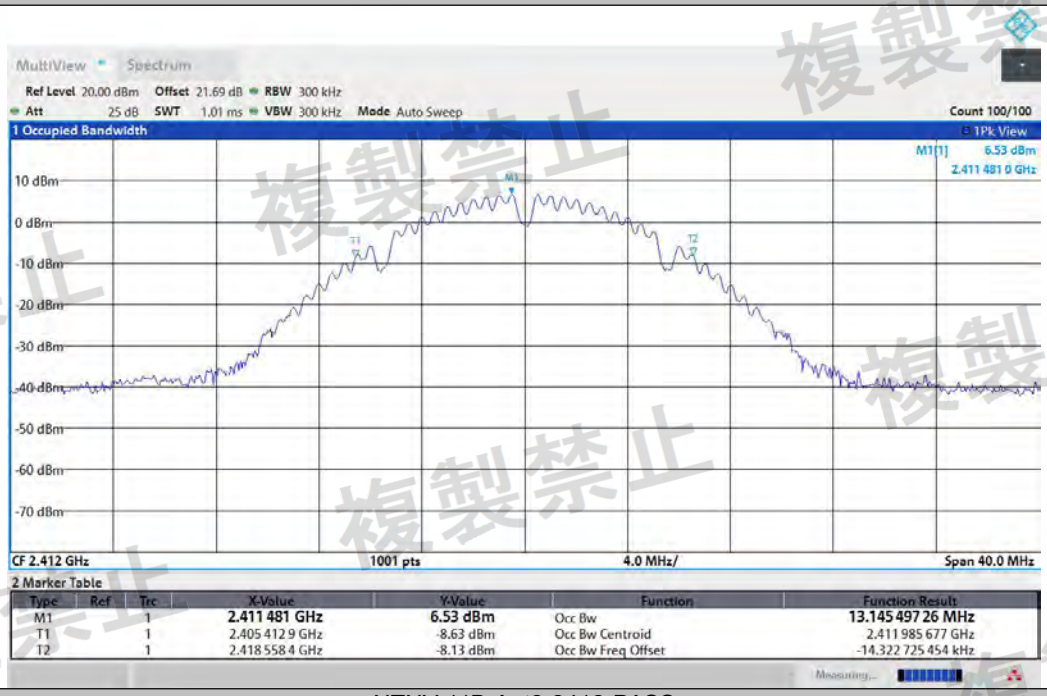
7.3.6 Test Results

Occupied Bandwidth (99%)

TestCondition	TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2412	13.155	≤26	PASS
NTNV	11B	Ant2	2412	13.145	≤26	PASS
NTNV	11B	Ant1	2442	13.152	≤26	PASS
NTNV	11B	Ant2	2442	13.122	≤26	PASS
NTNV	11B	Ant1	2472	13.157	≤26	PASS
NTNV	11B	Ant2	2472	13.161	≤26	PASS
NTNV	11G	Ant1	2412	17.013	≤26	PASS
NTNV	11G	Ant2	2412	17.020	≤26	PASS
NTNV	11G	Ant1	2442	17.060	≤26	PASS
NTNV	11G	Ant2	2442	17.038	≤26	PASS
NTNV	11G	Ant1	2472	17.062	≤26	PASS
NTNV	11G	Ant2	2472	17.030	≤26	PASS
NTNV	11N20MIMO	Ant1	2412	18.057	≤26	PASS
NTNV	11N20MIMO	Ant2	2412	17.858	≤26	PASS
NTNV	11N20MIMO	Ant1	2442	17.914	≤26	PASS
NTNV	11N20MIMO	Ant2	2442	17.982	≤26	PASS
NTNV	11N20MIMO	Ant1	2472	18.020	≤26	PASS
NTNV	11N20MIMO	Ant2	2472	17.839	≤26	PASS
NTNV	11N40MIMO	Ant1	2422	36.149	26-40	PASS
NTNV	11N40MIMO	Ant2	2422	36.213	26-40	PASS
NTNV	11N40MIMO	Ant1	2442	36.224	26-40	PASS
NTNV	11N40MIMO	Ant2	2442	36.139	26-40	PASS
NTNV	11N40MIMO	Ant1	2462	36.206	26-40	PASS
NTNV	11N40MIMO	Ant2	2462	36.118	26-40	PASS
NTNV	11AX20MIMO	Ant1	2412	18.977	≤26	PASS
NTNV	11AX20MIMO	Ant2	2412	19.049	≤26	PASS
NTNV	11AX20MIMO	Ant1	2442	19.035	≤26	PASS
NTNV	11AX20MIMO	Ant2	2442	18.957	≤26	PASS
NTNV	11AX20MIMO	Ant1	2472	18.987	≤26	PASS
NTNV	11AX20MIMO	Ant2	2472	18.985	≤26	PASS
NTNV	11AX40MIMO	Ant1	2422	37.791	26-40	PASS
NTNV	11AX40MIMO	Ant2	2422	37.752	26-40	PASS
NTNV	11AX40MIMO	Ant1	2442	37.783	26-40	PASS
NTNV	11AX40MIMO	Ant2	2442	37.787	26-40	PASS
NTNV	11AX40MIMO	Ant1	2462	37.782	26-40	PASS
NTNV	11AX40MIMO	Ant2	2462	37.804	26-40	PASS
NTNV	11BE20MIMO	Ant1	2412	19.025	≤26	PASS
NTNV	11BE20MIMO	Ant2	2412	19.016	≤26	PASS
NTNV	11BE20MIMO	Ant1	2442	18.979	≤26	PASS
NTNV	11BE20MIMO	Ant2	2442	19.027	≤26	PASS
NTNV	11BE20MIMO	Ant1	2472	19.023	≤26	PASS
NTNV	11BE20MIMO	Ant2	2472	19.075	≤26	PASS
NTNV	11BE40MIMO	Ant1	2422	37.739	26-40	PASS
NTNV	11BE40MIMO	Ant2	2422	37.799	26-40	PASS
NTNV	11BE40MIMO	Ant1	2442	37.740	26-40	PASS
NTNV	11BE40MIMO	Ant2	2442	37.807	26-40	PASS
NTNV	11BE40MIMO	Ant1	2462	37.769	26-40	PASS
NTNV	11BE40MIMO	Ant2	2462	37.731	26-40	PASS



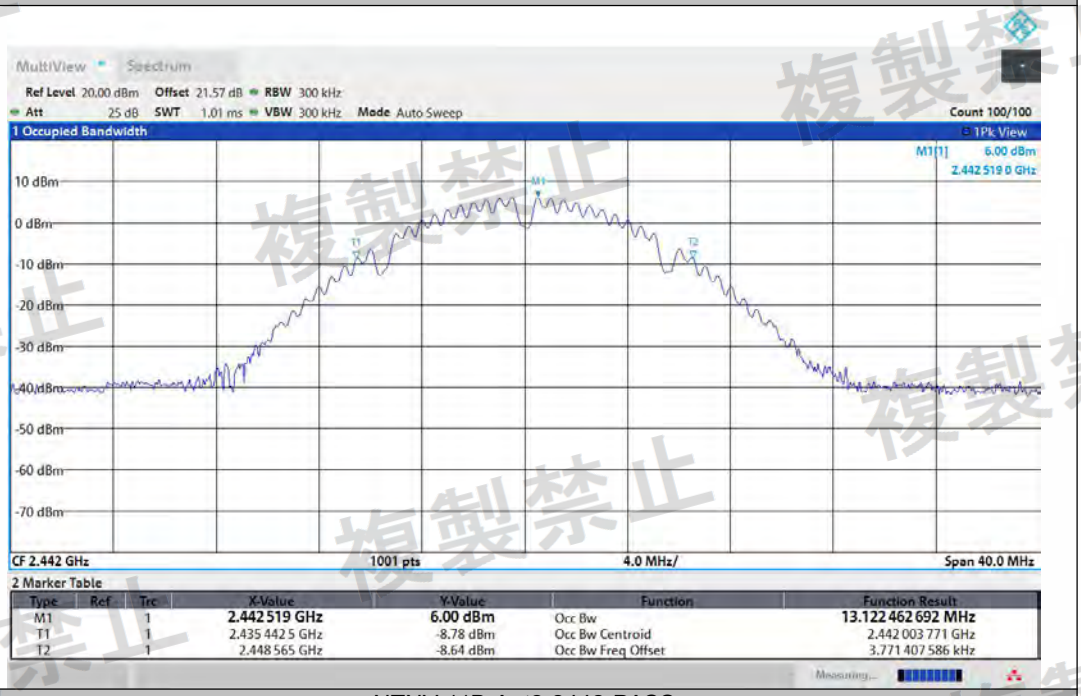
NTNV-11B-Ant1-2412-PASS



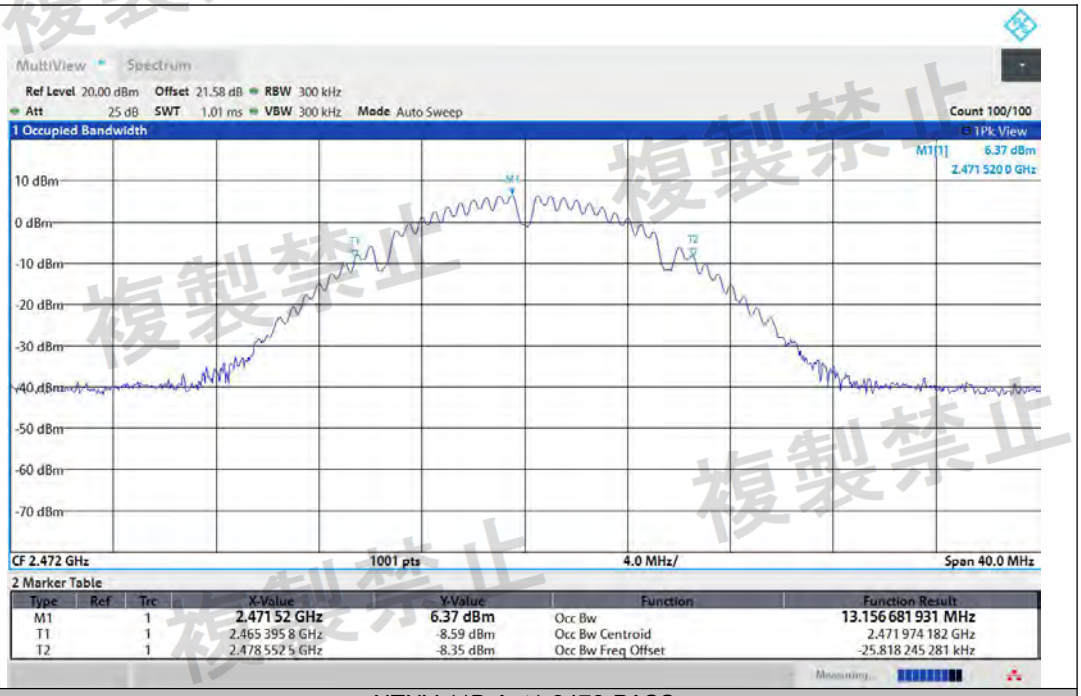
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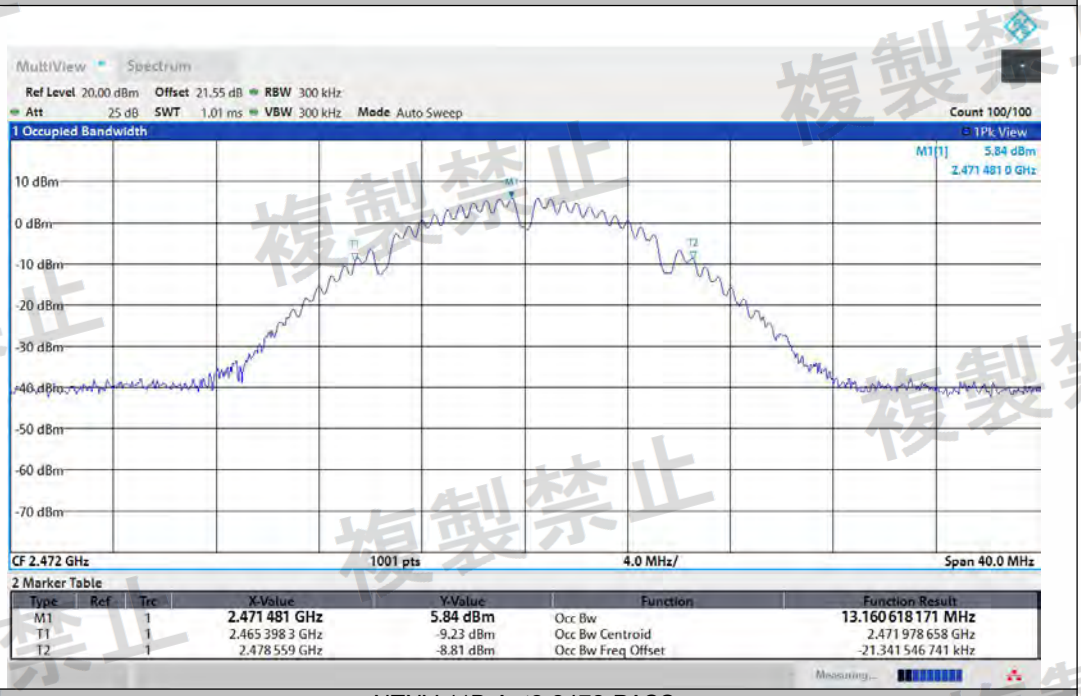
NTNV-11B-Ant1-2442-PASS



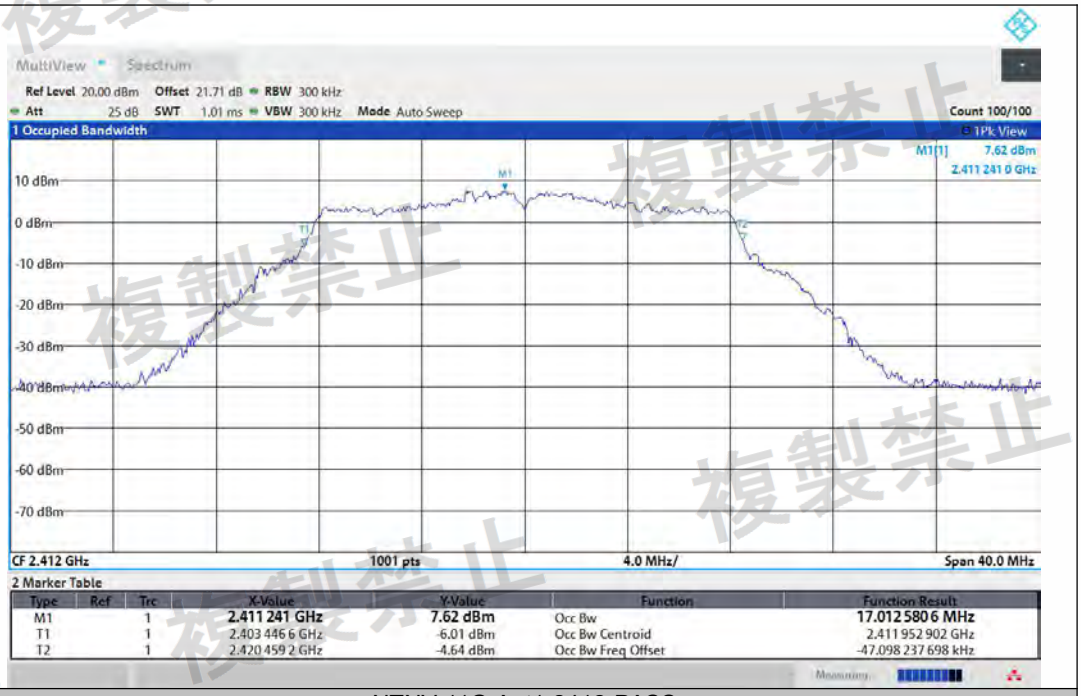
NTNV-11B-Ant2-2442-PASS



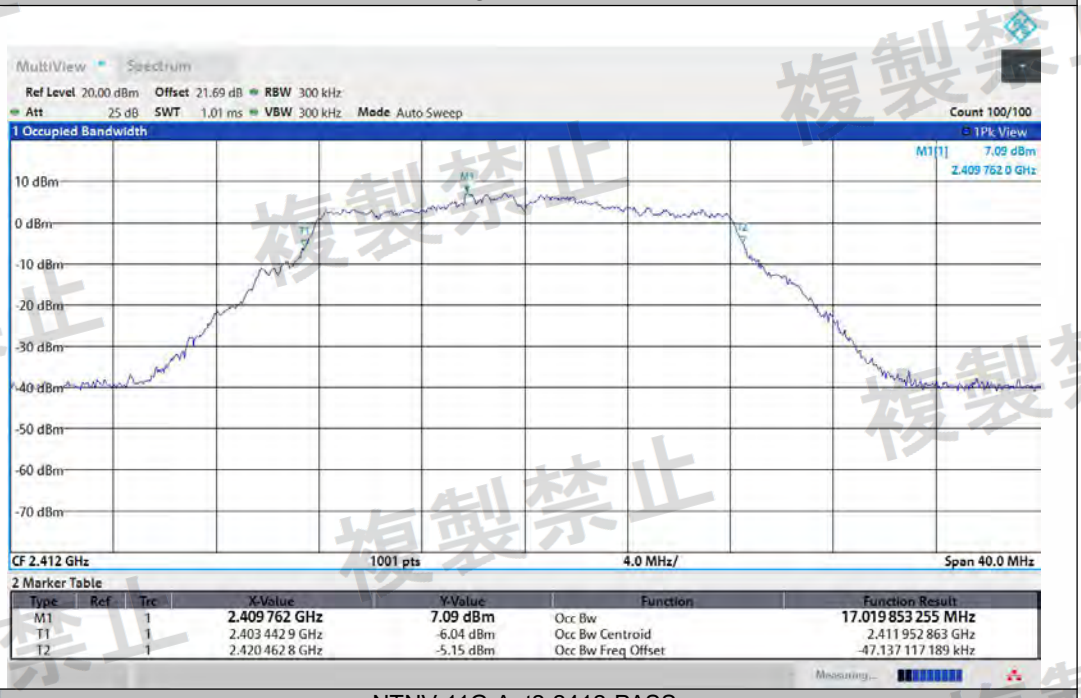
NTNV-11B-Ant1-2472-PASS



NTNV-11B-Ant2-2472-PASS



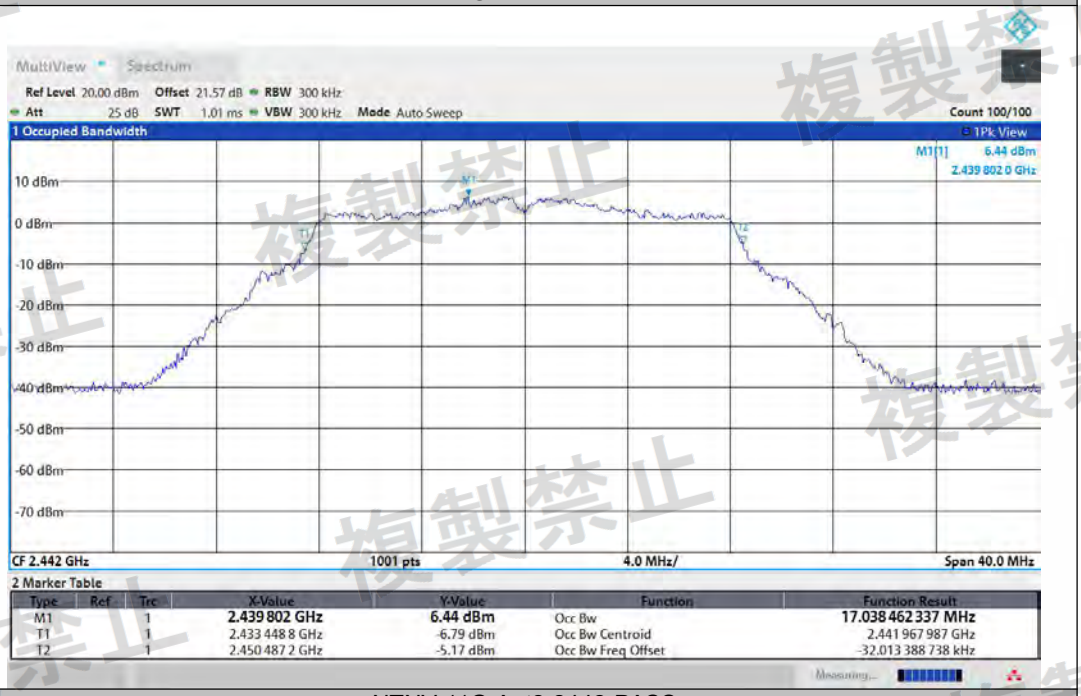
NTNV-11G-Ant1-2412-PASS



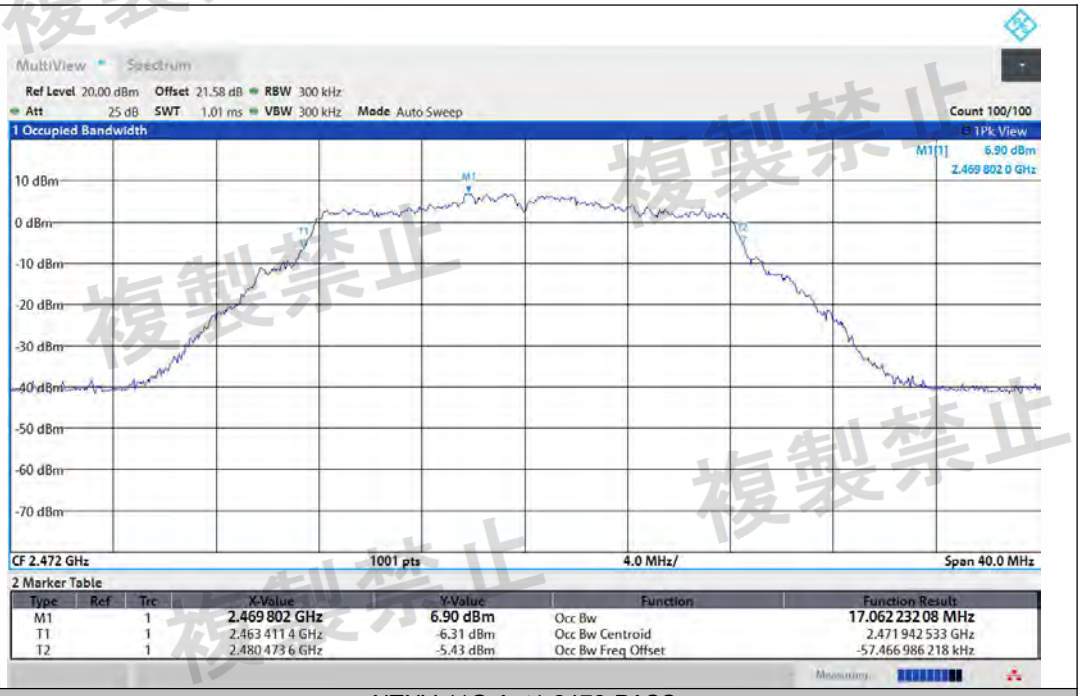
NTNV-11G-Ant2-2412-PASS



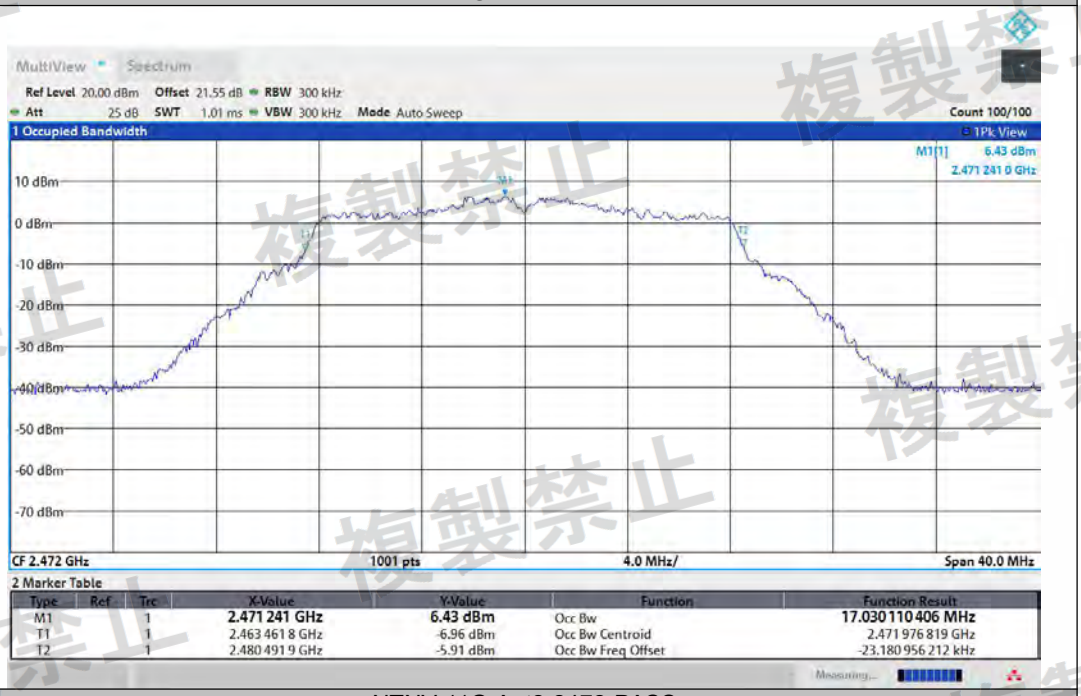
NTNV-11G-Ant1-2442-PASS



NTNV-11G-Ant2-2442-PASS



NTNV-11G-Ant1-2472-PASS



NTNV-11G-Ant2-2472-PASS



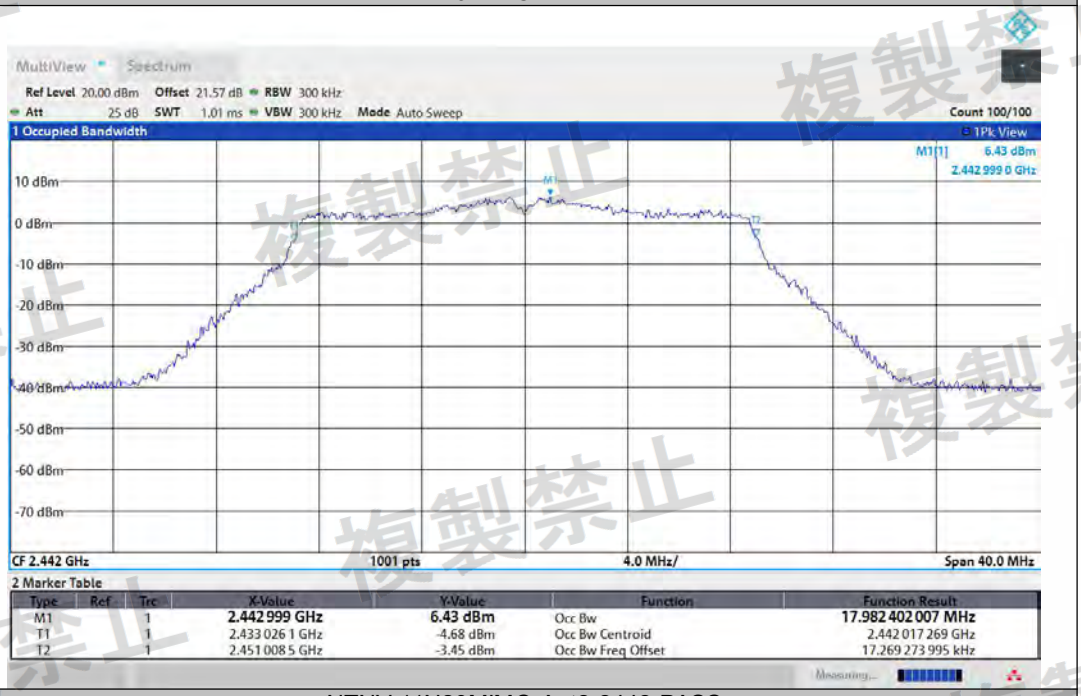
NTNV-11N20MIMO-Ant1-2412-PASS



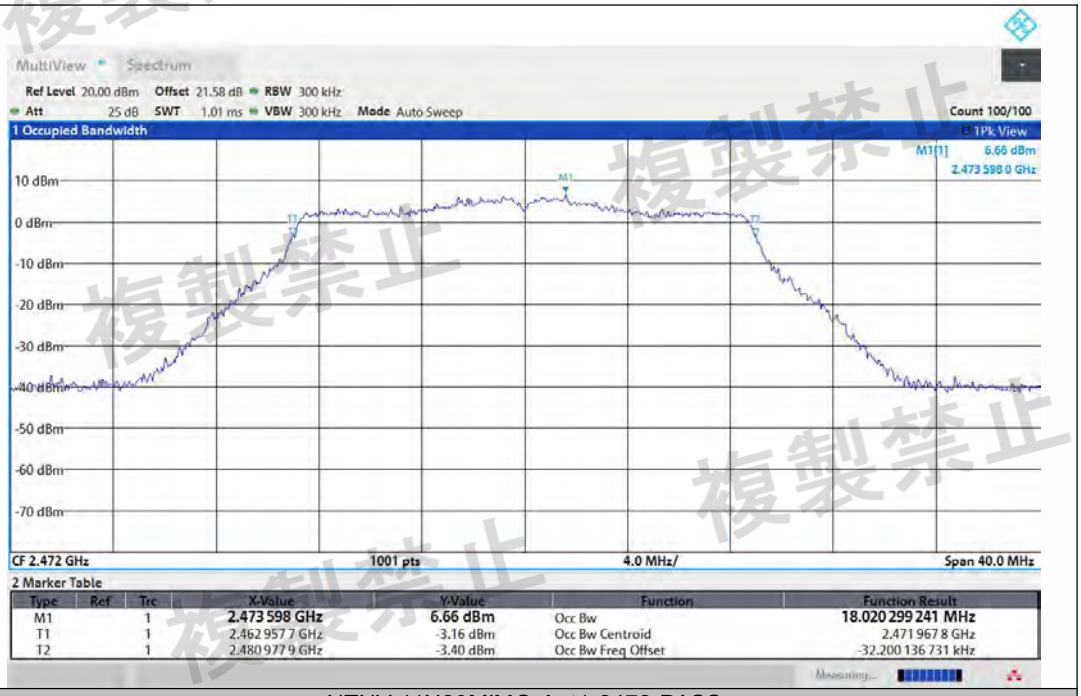
NTNV-11N20MIMO-Ant2-2412-PASS



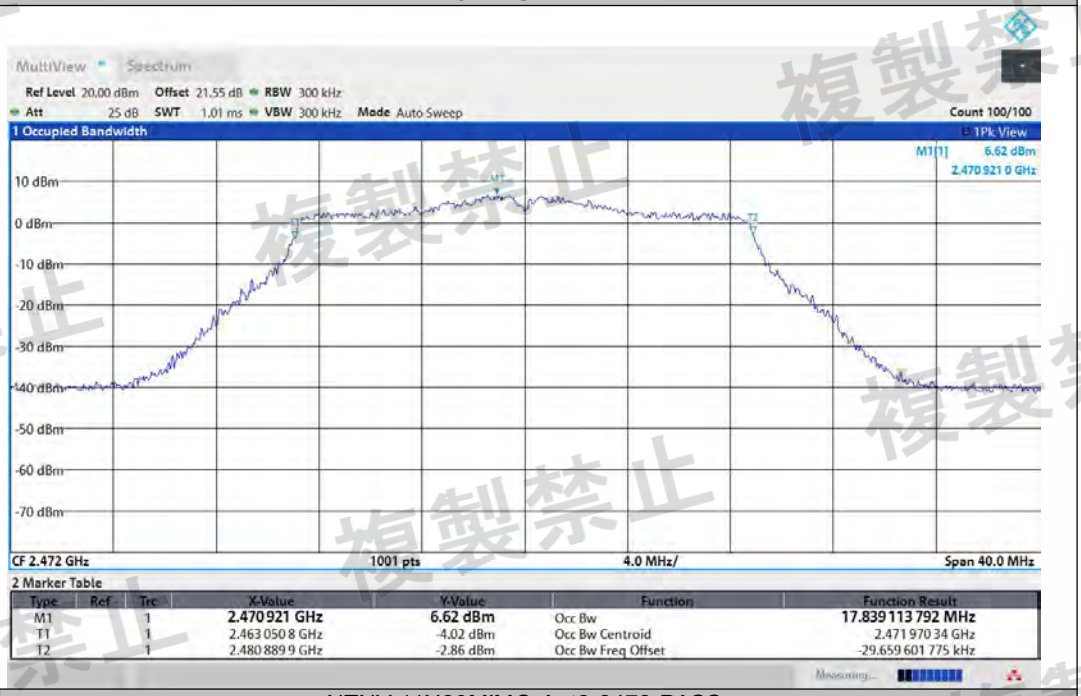
NTNV-11N20MIMO-Ant1-2442-PASS



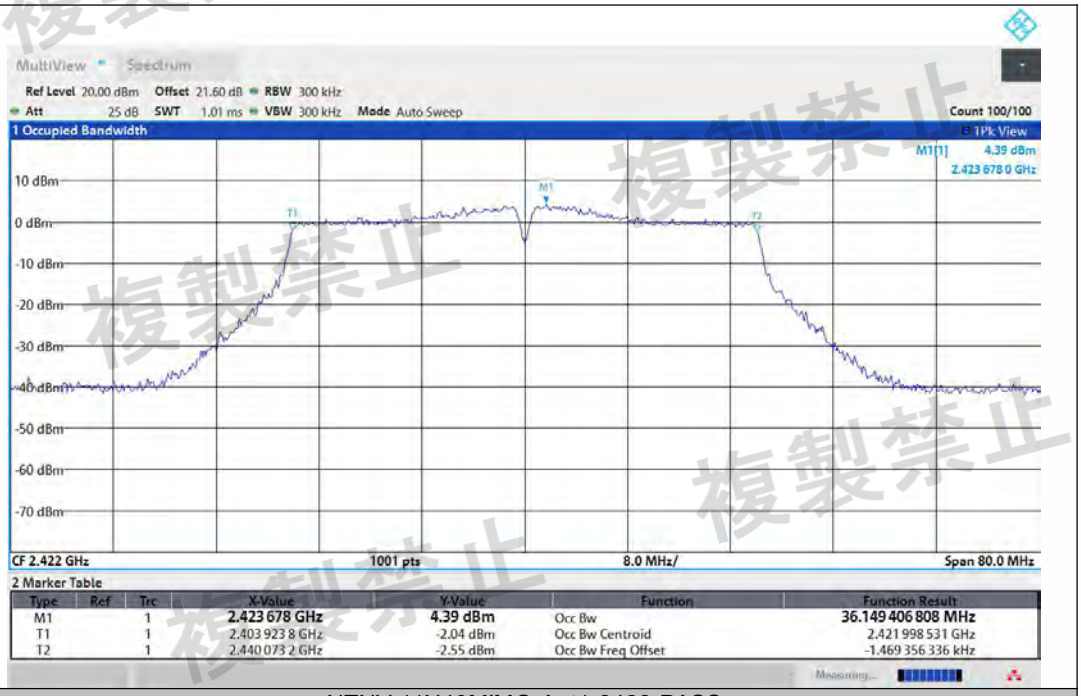
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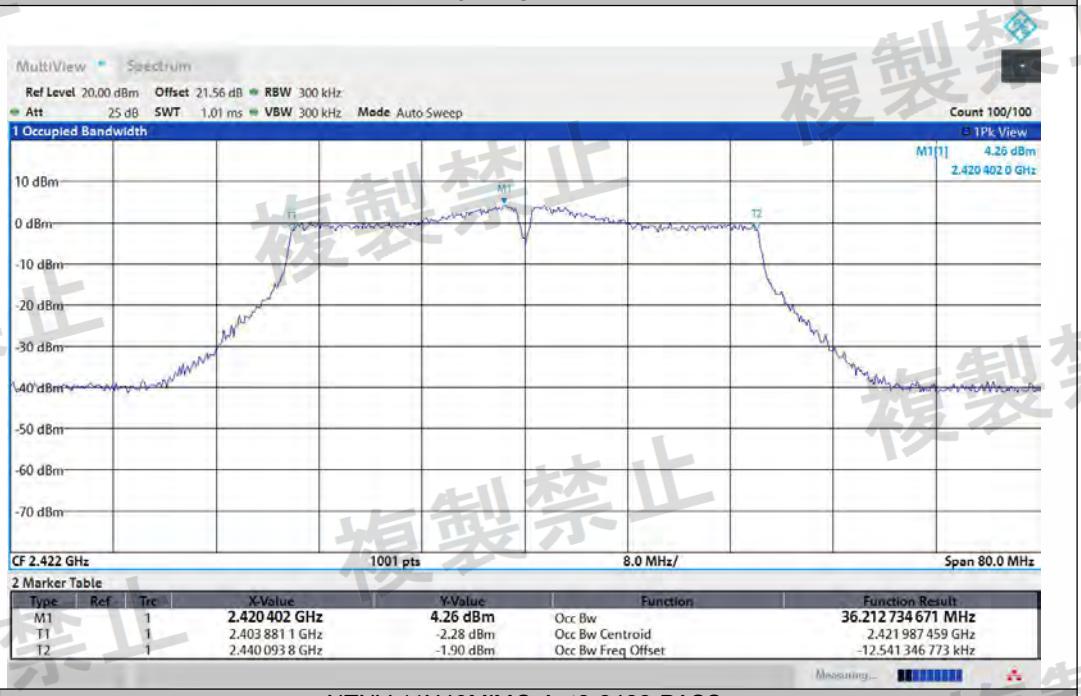
NTNV-11N20MIMO-Ant1-2472-PASS



NTNV-11N20MIMO-Ant2-2472-PASS



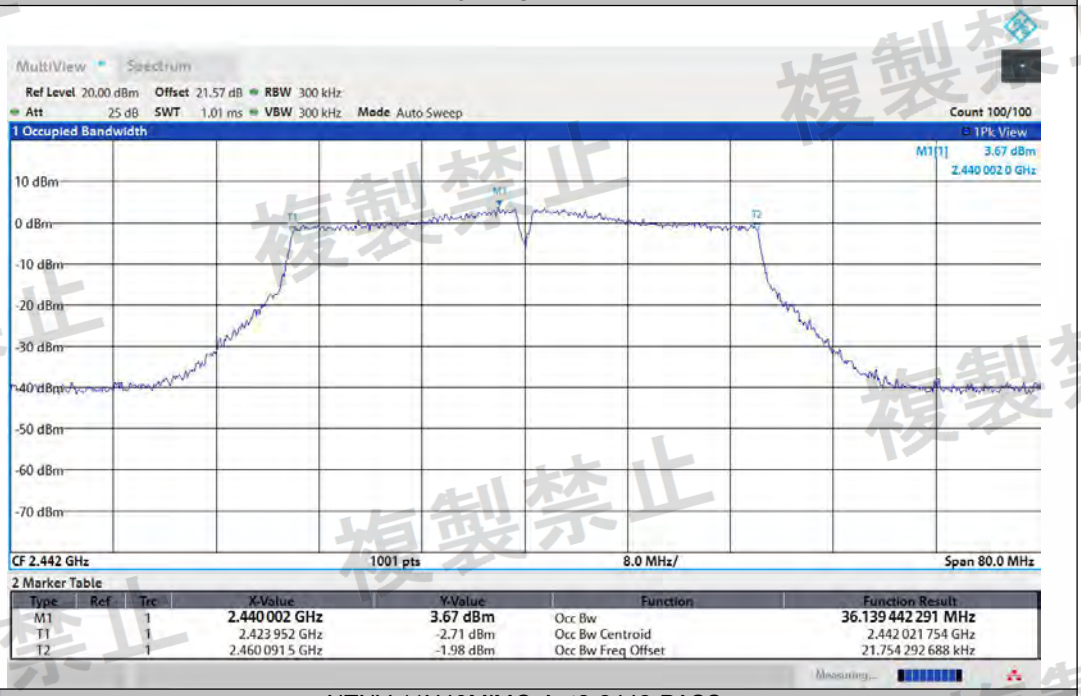
NTNV-11N40MIMO-Ant1-2422-PASS



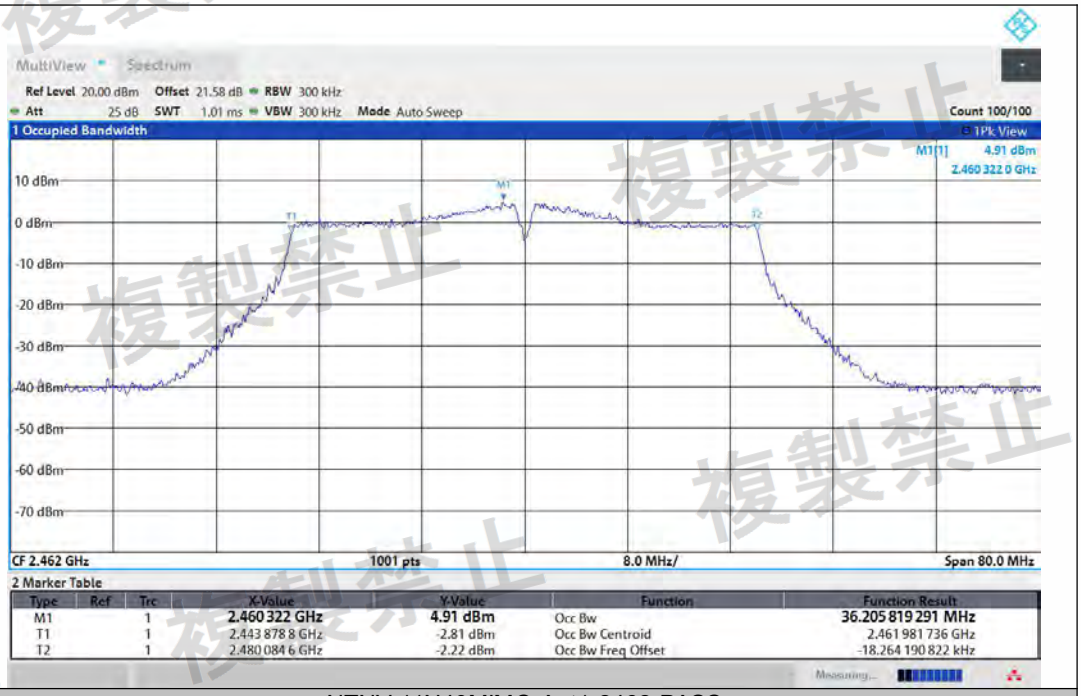
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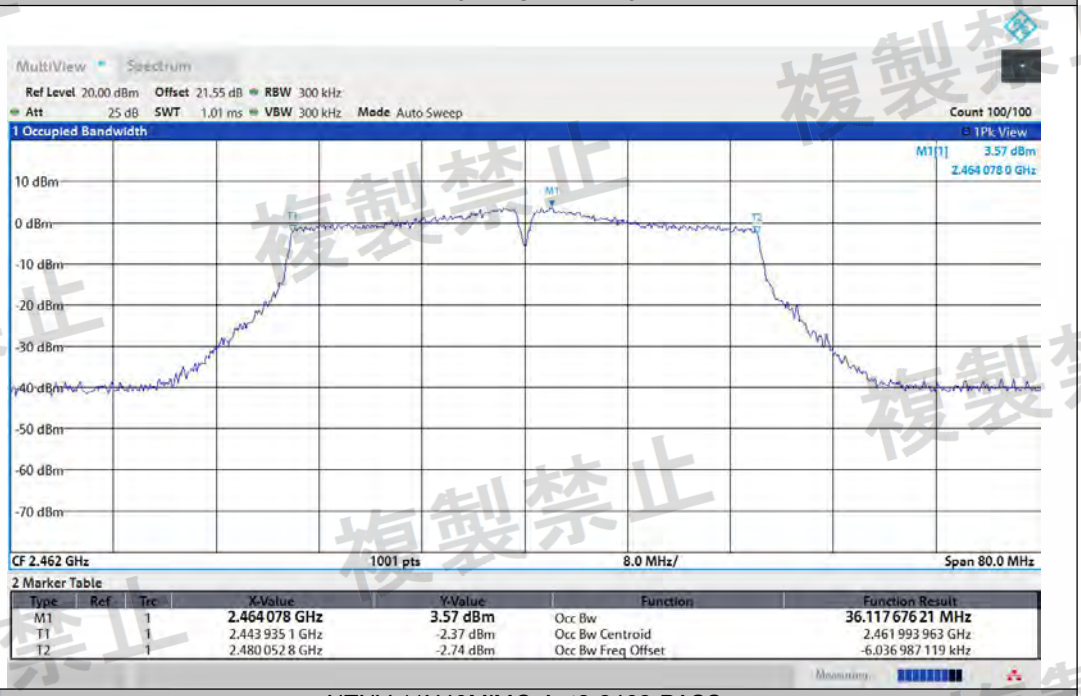
NTNV-11N40MIMO-Ant1-2442-PASS



NTNV-11N40MIMO-Ant2-2442-PASS



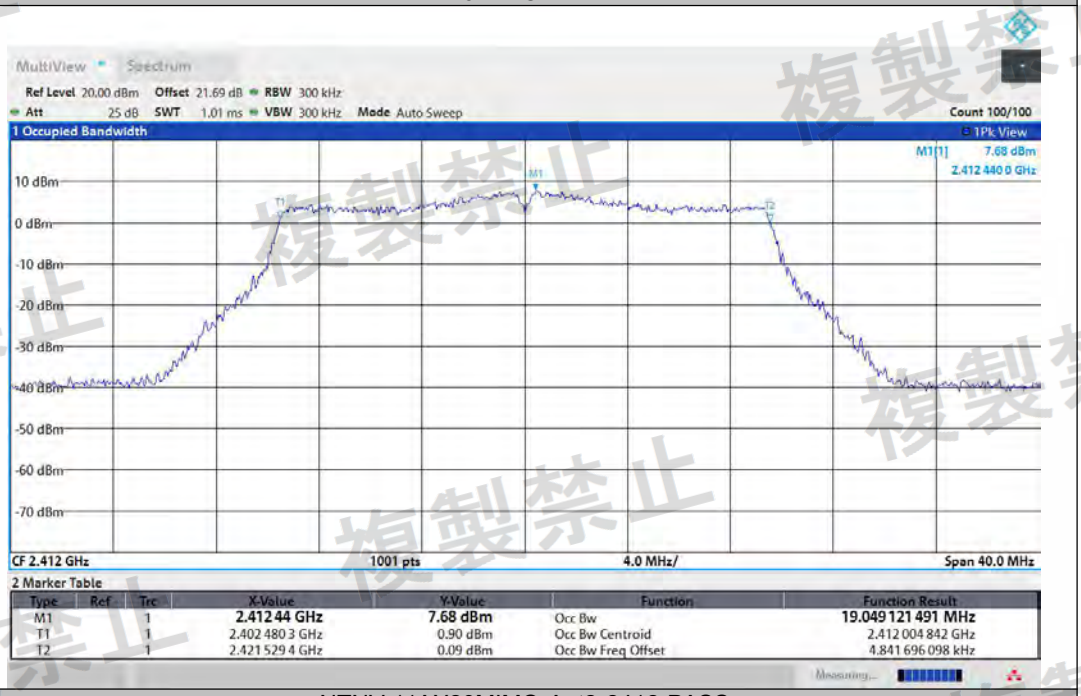
NTNV-11N40MIMO-Ant1-2462-PASS



NTNV-11N40MIMO-Ant2-2462-PASS



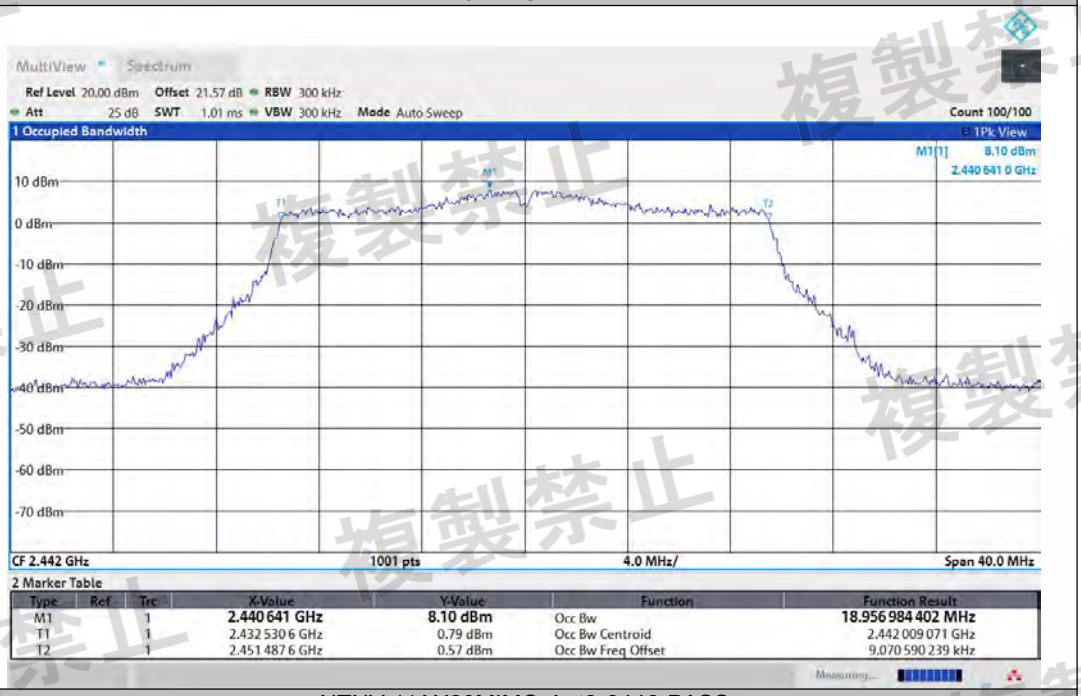
NTNV-11AX20MIMO-Ant1-2412-PASS



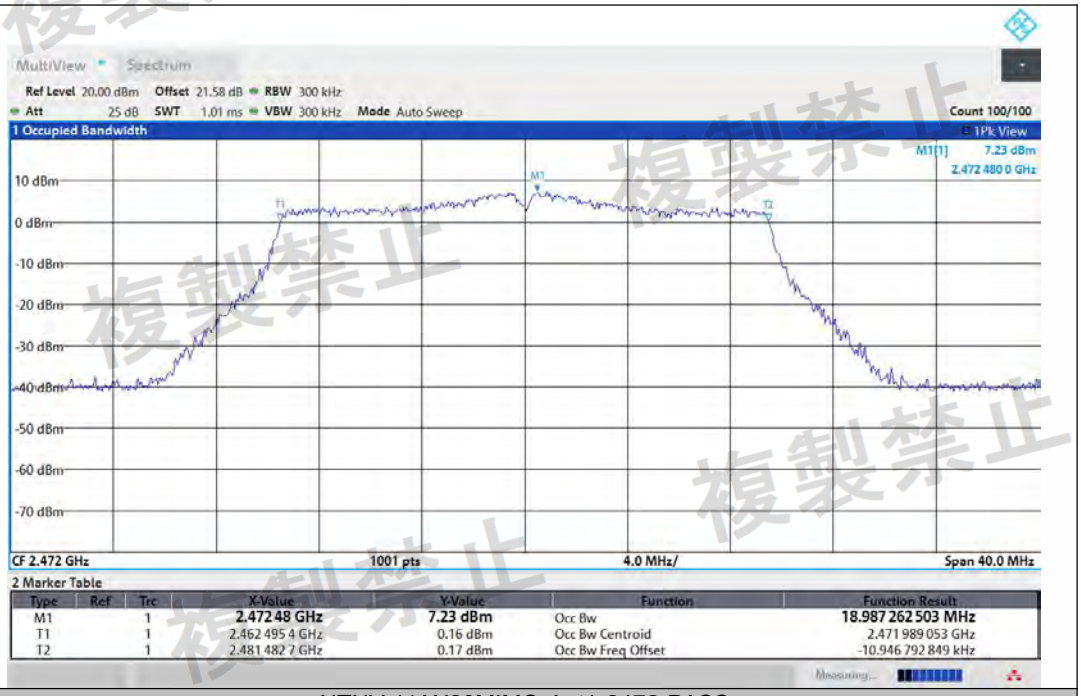
NTNV-11AX20MIMO-Ant2-2412-PASS



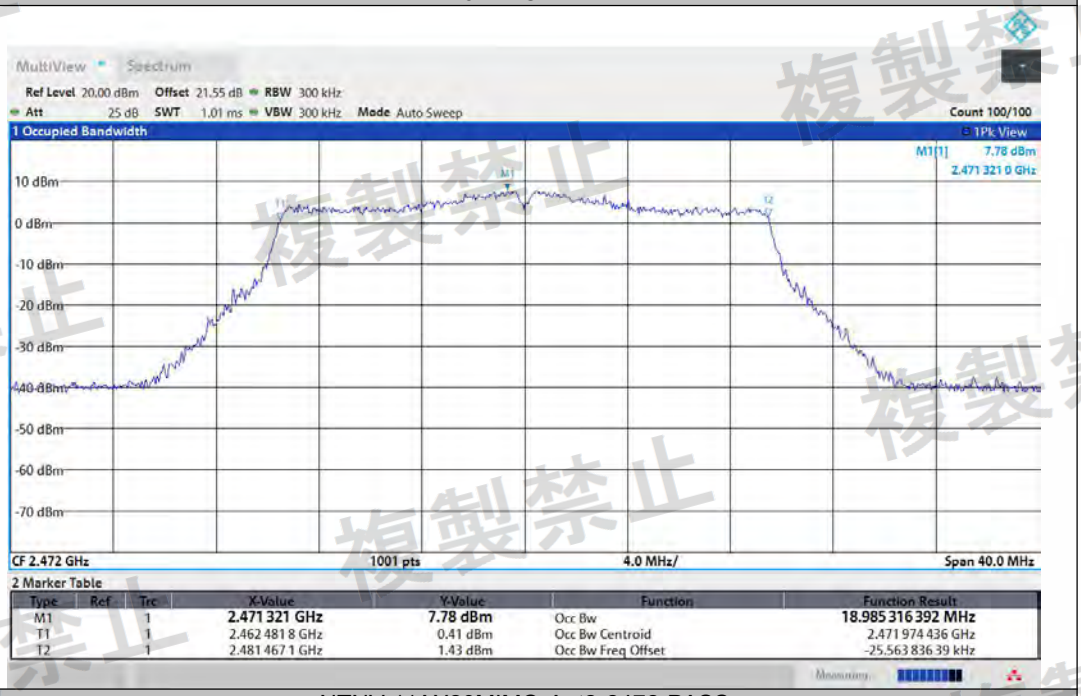
NTNV-11AX20MIMO-Ant1-2442-PASS



NTNV-11AX20MIMO-Ant2-2442-PASS



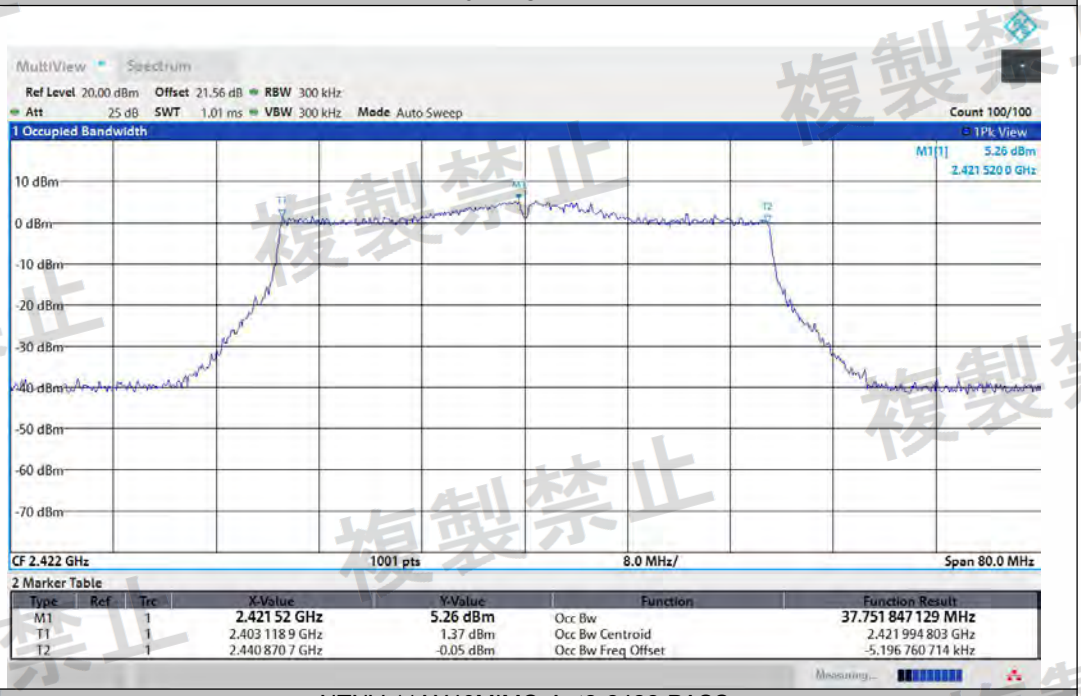
NTNV-11AX20MIMO-Ant1-2472-PASS



NTNV-11AX20MIMO-Ant2-2472-PASS



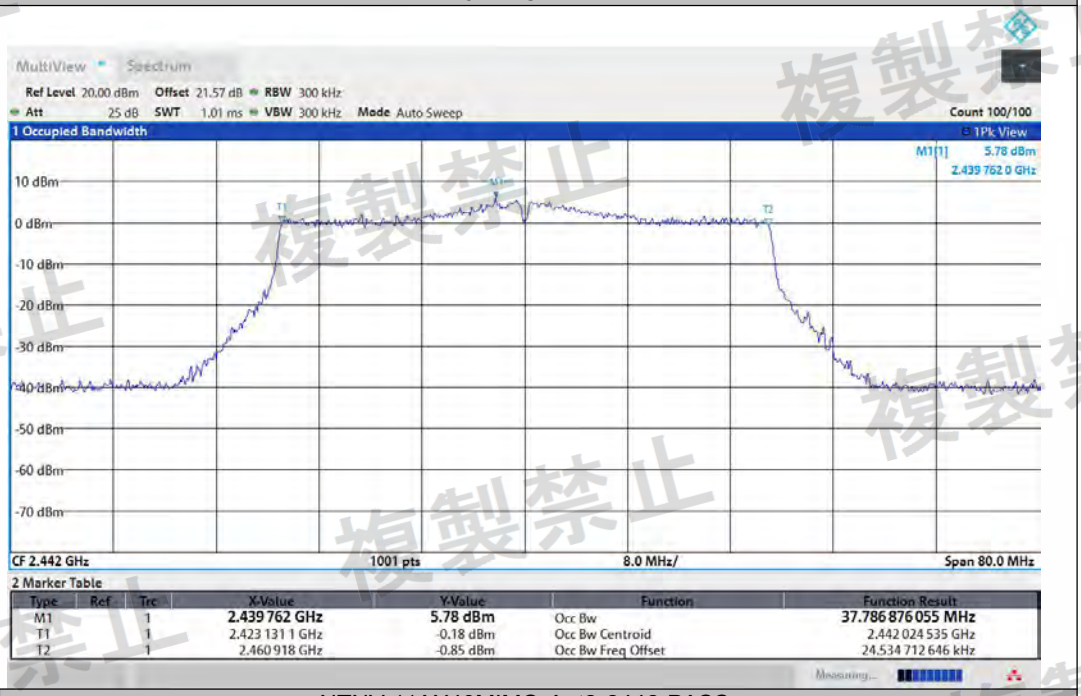
NTNV-11AX40MIMO-Ant1-2422-PASS



NTNV-11AX40MIMO-Ant2-2422-PASS



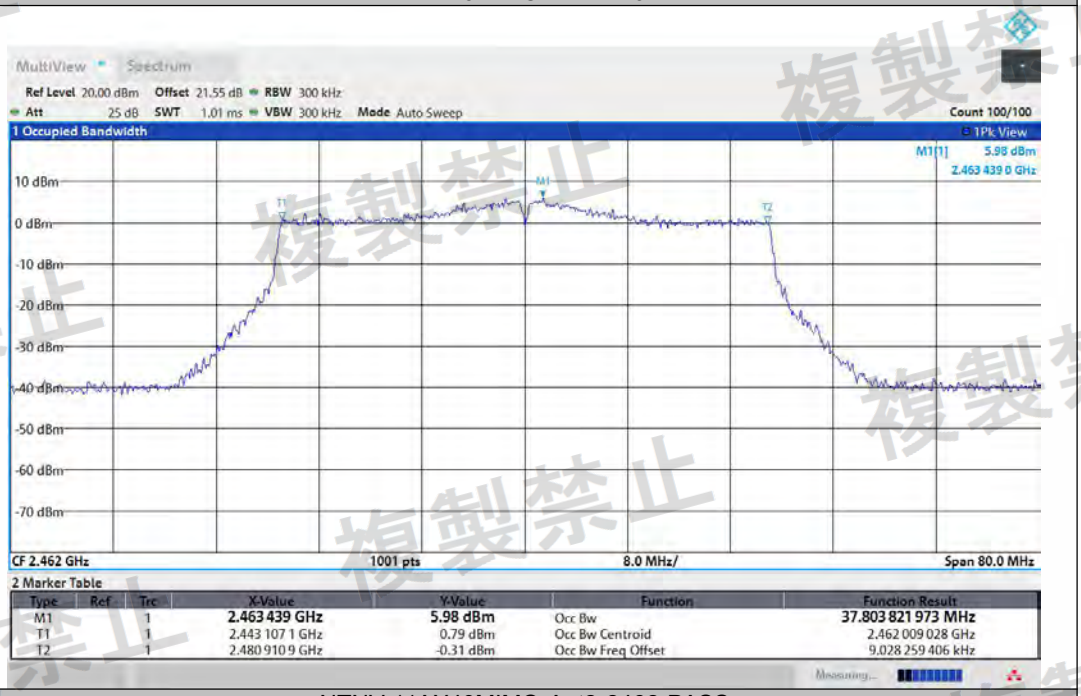
NTNV-11AX40MIMO-Ant1-2442-PASS



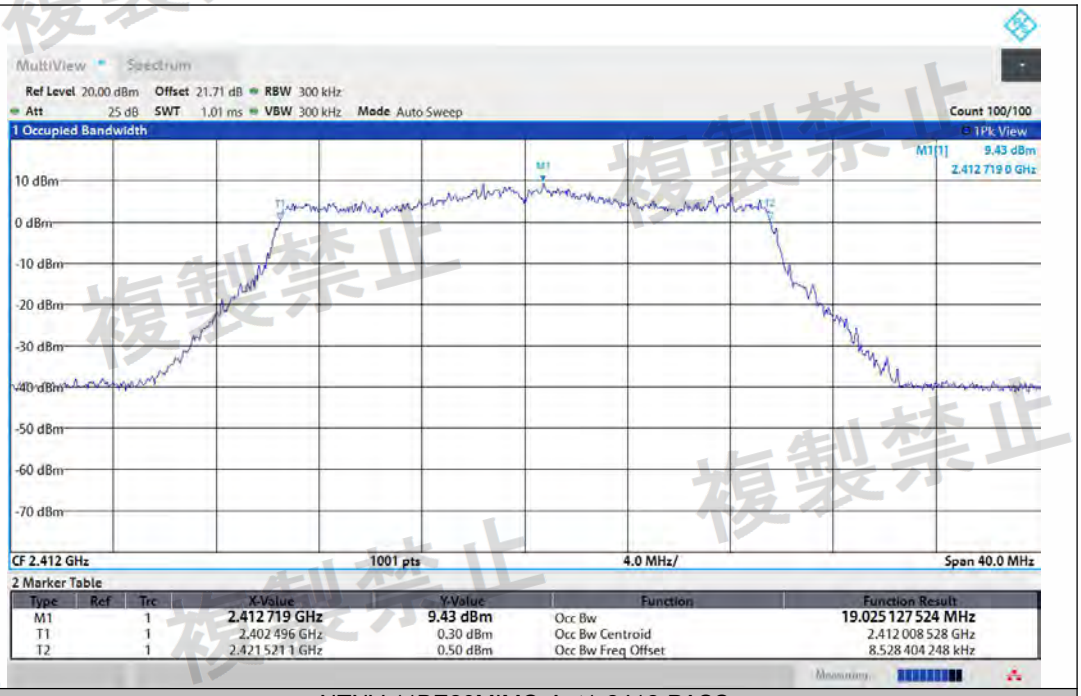
NTNV-11AX40MIMO-Ant2-2442-PASS



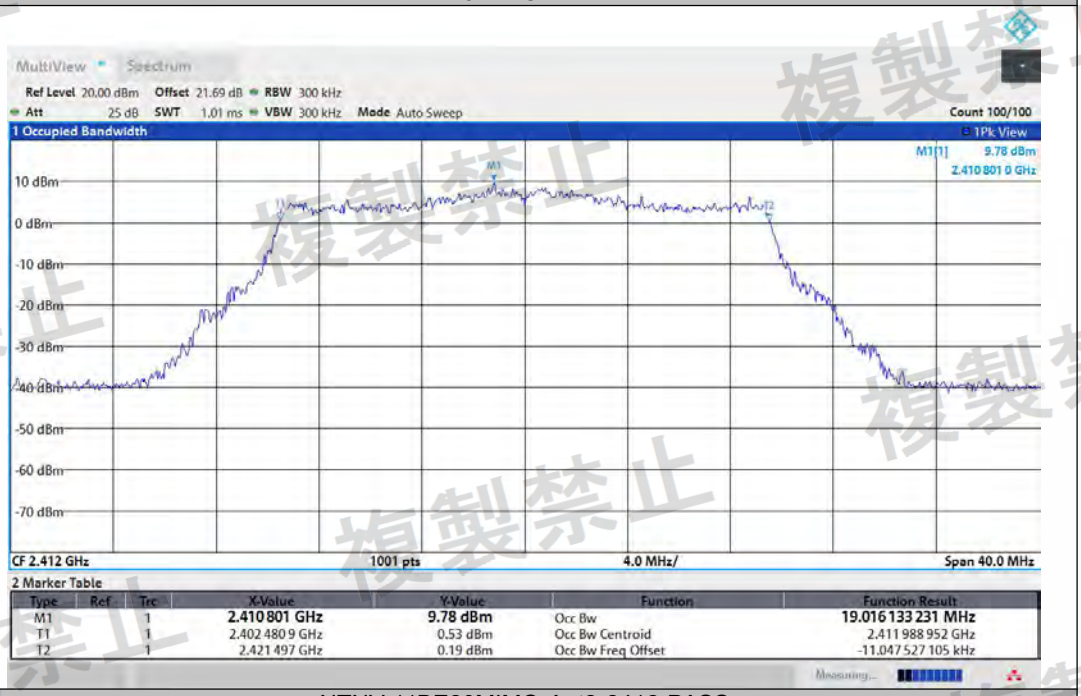
NTNV-11AX40MIMO-Ant1-2462-PASS



NTNV-11AX40MIMO-Ant2-2462-PASS



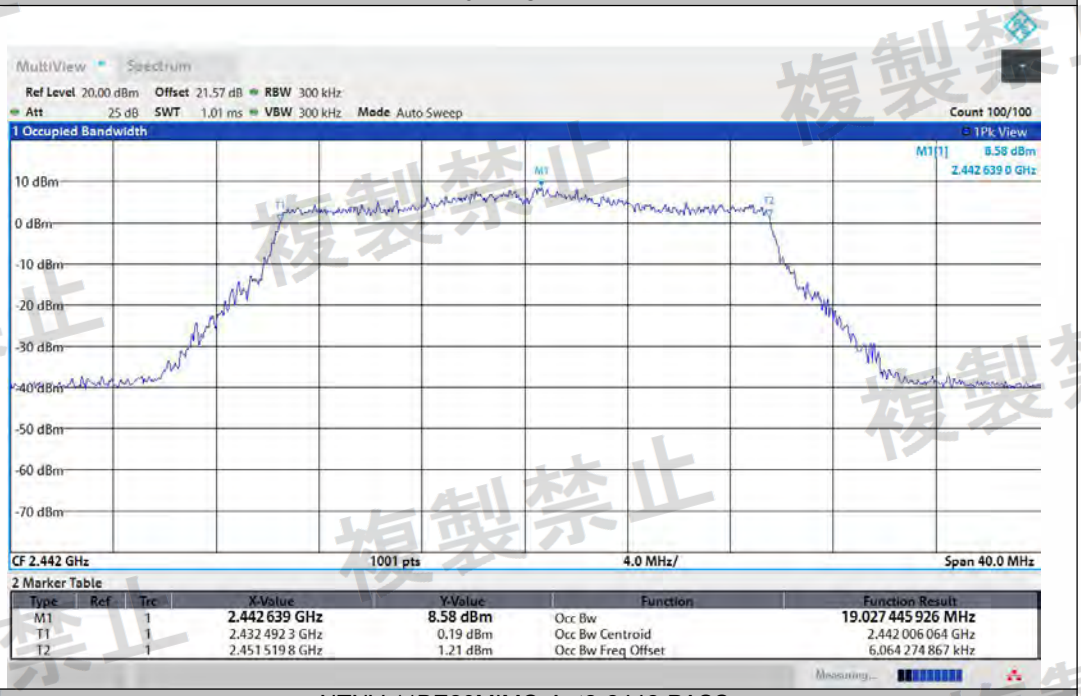
NTNV-11BE20MIMO-Ant1-2412-PASS



NTNV-11BE20MIMO-Ant2-2412-PASS



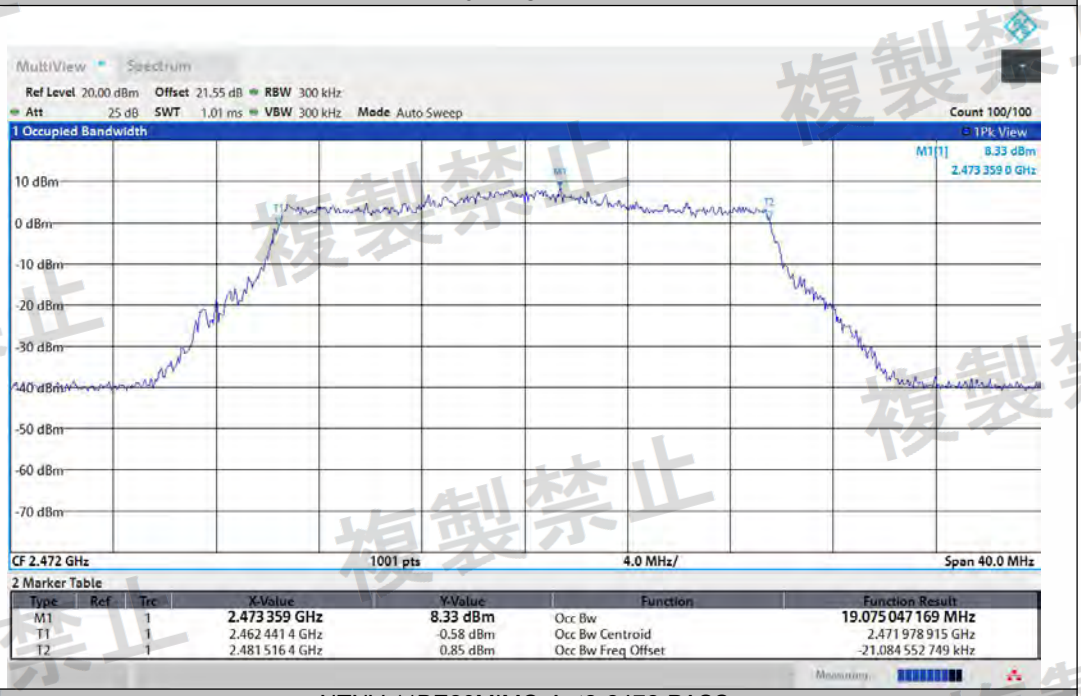
NTNV-11BE20MIMO-Ant1-2442-PASS



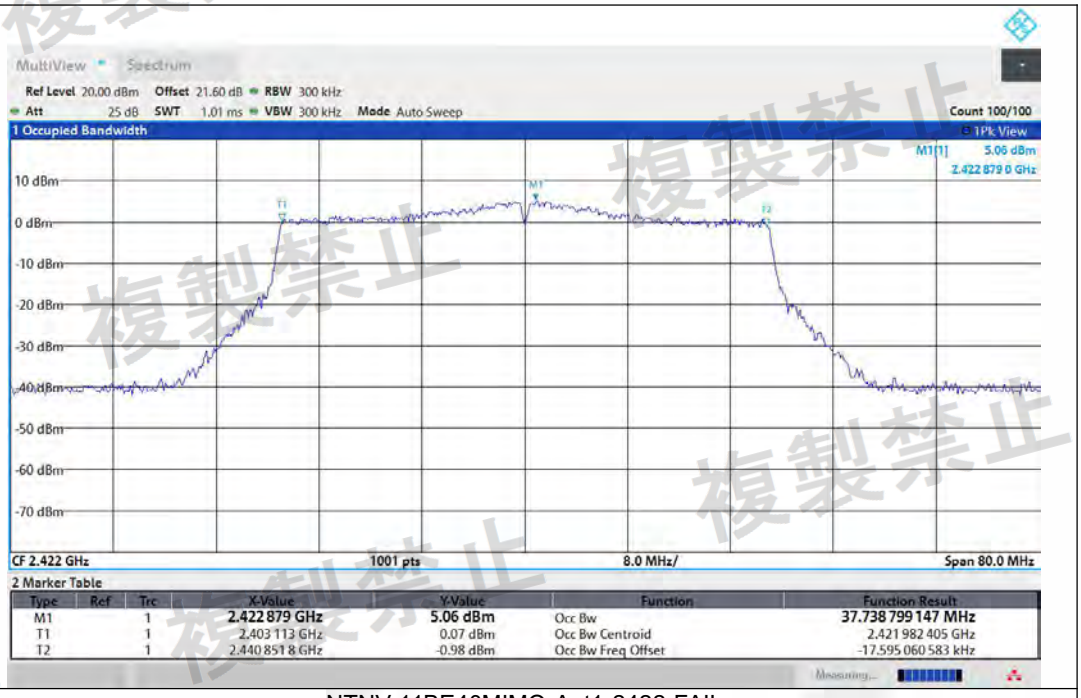
NTNV-11BE20MIMO-Ant2-2442-PASS



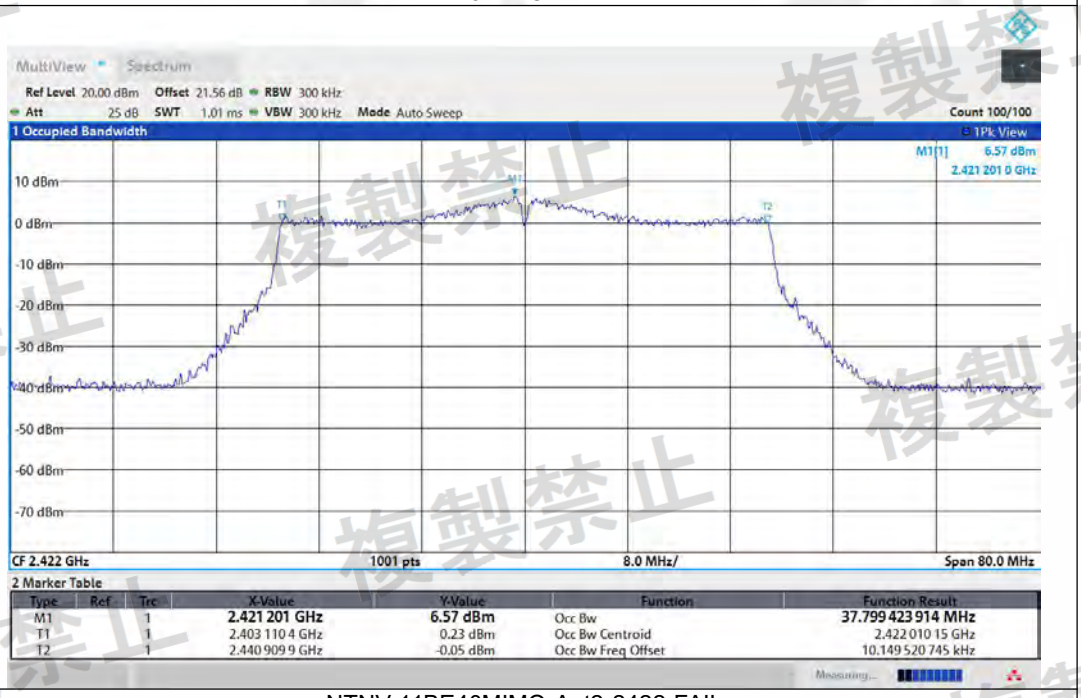
NTNV-11BE20MIMO-Ant1-2472-PASS



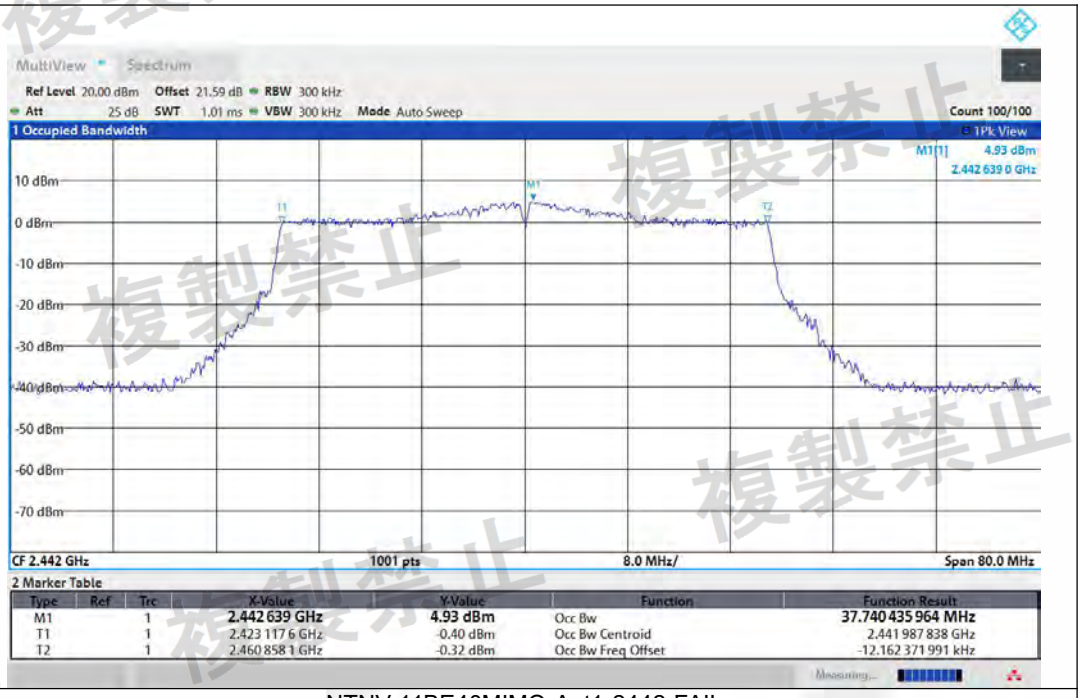
NTNV-11BE20MIMO-Ant2-2472-PASS



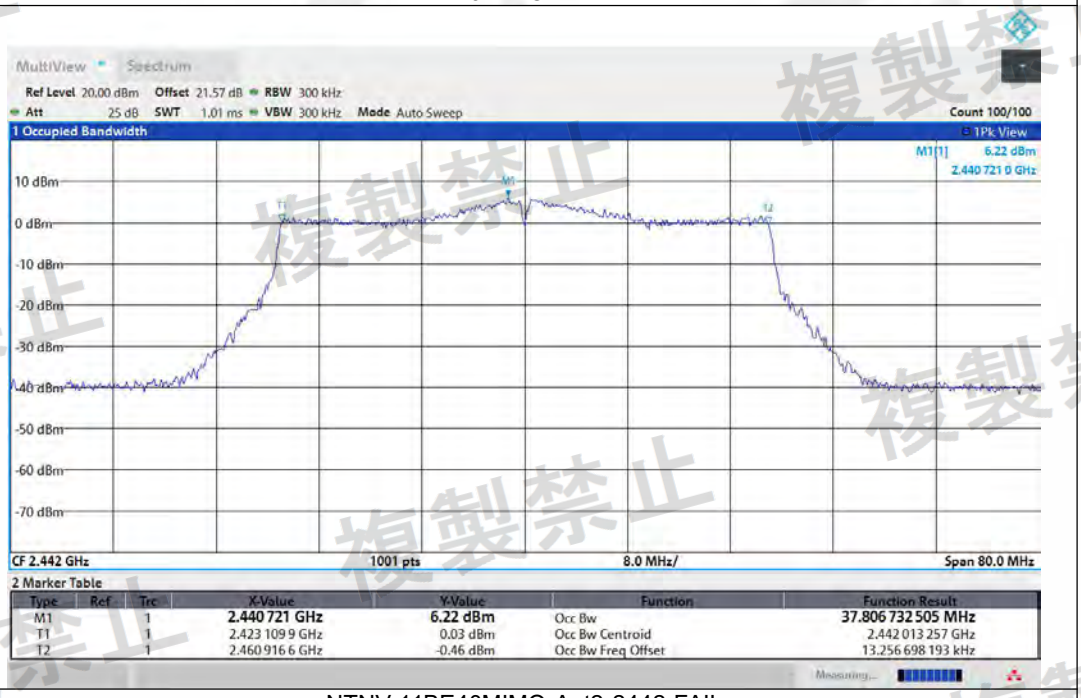
NTNV-11BE40MIMO-Ant1-2422-FAIL



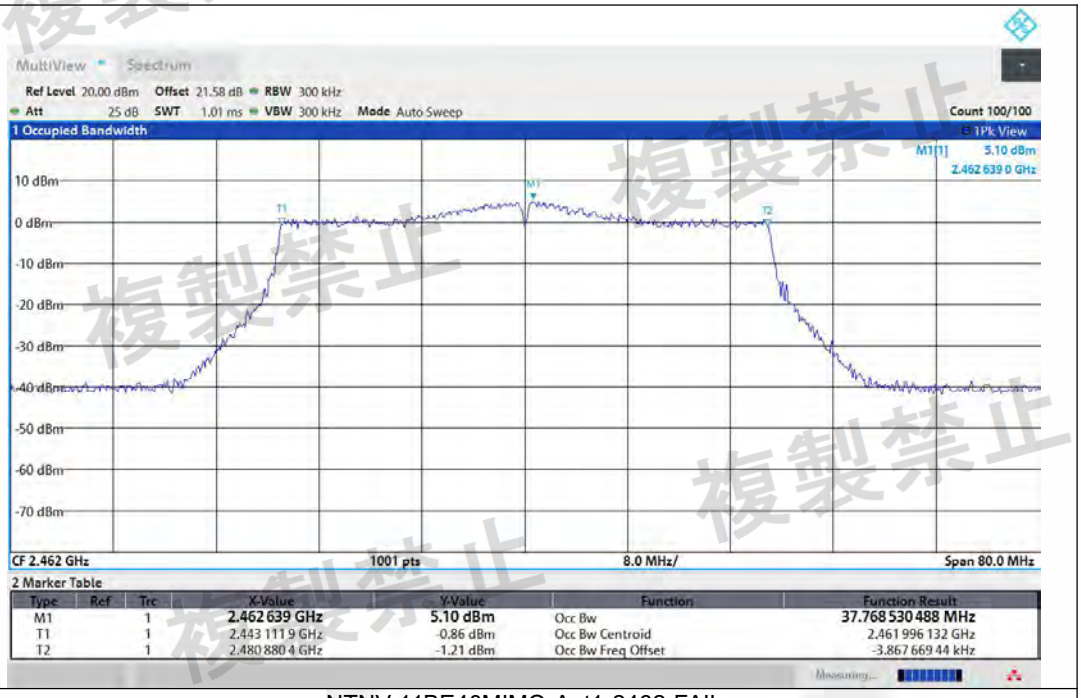
NTNV-11BE40MIMO-Ant2-2422-FAIL



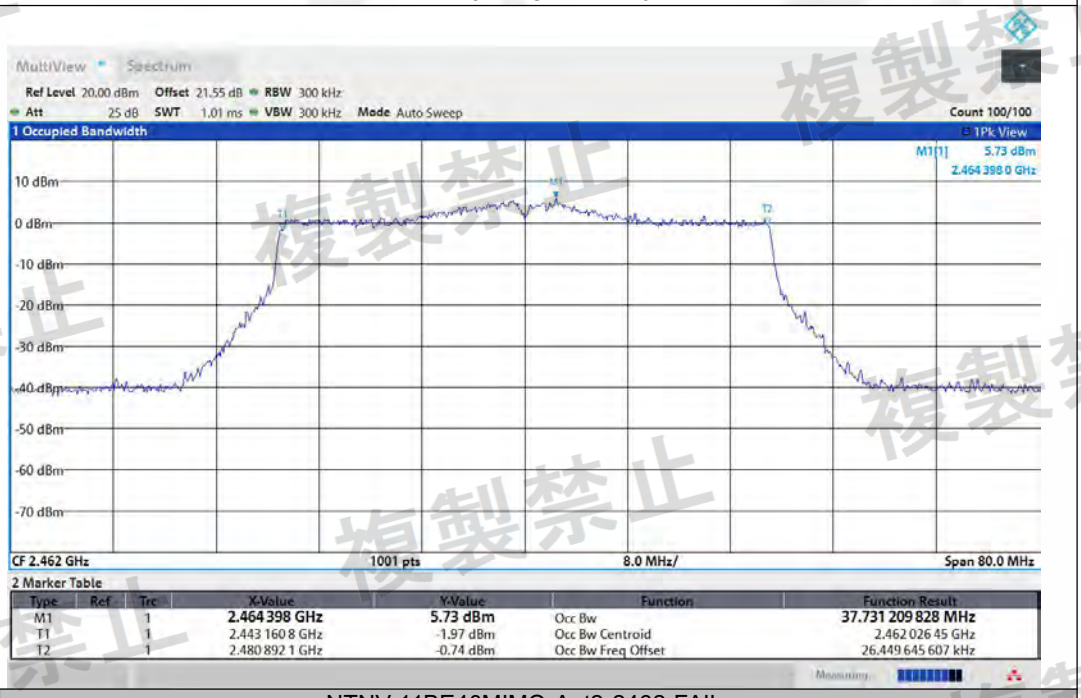
NTNV-11BE40MIMO-Ant1-2442-FAIL



NTNV-11BE40MIMO-Ant2-2442-FAIL



NTNV-11BE40MIMO-Ant1-2462-FAIL



NTNV-11BE40MIMO-Ant2-2462-FAIL

7.4 SPURIOUS EMISSIONS OF TX

7.4.1 Applicable Standard

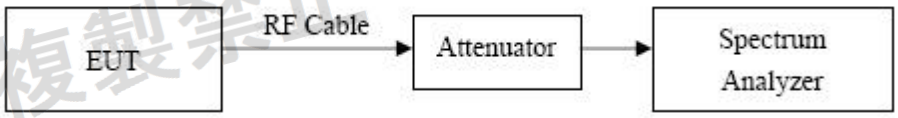
According to Item 19 of Article 2 Paragraph 1.

7.4.2 Conformance Limit

Permissible mean power of spurious emission of each frequency supplied to a feeder, that is, mean power of spurious emission in the 1 MHz bandwidth at frequency f other than frequency band used shall be as follows:

(1) Below 2387MHz: 2.5μW/MHz (-26dBm/MHz)
(2) 2387 to 2400MHz: 25μW/MHz (-16dBm/MHz)
(3) 2483.5 through 2496.5MHz: 25μW/MHz (-16dBm/MHz)
(4) Over 2496.5MHz: 2.5μW/MHz (-26dBm/MHz)

7.4.3 Test Setup Block Diagram



7.4.4 Test Procedure

(1)Spectrum analyzer for seeking the spurious emission is set as below

Sweeping Bandwidth	For seeking the spurious emission, from frequency lowest possible to the 5 times the carrier frequency
Resolution Bandwidth	1 MHz
Video Bandwidth	Approx. As same as Resolution bandwidth (1 MHz)
Y-Axis Scale	10 dB/Div
Input Level	Value of maximum dynamic range
Sweep Time	Minimum time to assure the measurement accuracy (Note 1)
Sweep Mode	Single sweep
Phase-Detection Mode	Positive peak

(2)The settings of the spectrum analyzer while conducting spurious amplitude measurements are as follows:

- Central Frequency: Acquired spurious frequencies in (1)
- Sweep Frequency 0 Hz
- Resolution Bandwidth 1 MHz
- Video Bandwidth same as Resolution Bandwidth
- Note: take into account that the requirement limits the power in a bandwidth of 1 MHz.
- If the measurement is carried out with a bandwidth of 100 kHz (for frequencies below 1 GHz), the limit shall be reduced with 10 dB.
- For example 2.5 uW in 1 MHz = -26 dBm limit, becomes –36 dBm for 100 kHz bandwidth.
- Y-Axis Scale 10 dB/Div
- Input Level: choose input level within the linear range of the SA mixer (so that no additional spurious are generated by the mixer)
- Sweep Time: Minimum amount of time to ensure measurement accuracy. However, in the case of burst waves, time exceeds duration of 1 burst.
- Data Points Over 400 points
- Sweep Mode: Single sweep

- Detection Mode Sample (BIN-Width << RBW, so that all spurious emissions are captured) [BIN-width is the frequency difference between 2 adjacent sample points on the display)

(3)Set EUT as occupied bandwidth is measure. That is, Set the EUT on the test frequency and the continuous

TX mode or continuous (constant period, constant burst length) burst TX mode. In case of spreading code used, set on the test spreading code, then the modulation is performed with standard coding test signal.
The spectrum analyzer is set as 2 (1). Seek the spurious emission If the amplitude of the sought spurious emission satisfies the specified value (in case of 2 (2) Note 1, the specified value is –3dB), the measurement of 2 (2) is not performed, then the estimated value is employed as the measured value.
In case the sought spurious emission amplitude exceeds the specified value, seek the spurious frequency by narrowing the sweeping band sequentially as 100 MHz, 10 MHz, 1 MHz for the purpose of higher accuracy of the spectrum analyzer. Set the spectrum analyzer as 2 (2). Estimate the mean value of the spurious amplitude, then employ it as the measured value (In case DSSS as well as OFDM with burst wave, the mean inside of the burst).
Sweep Bandwidth: 30MHz~2387MHz, 2483.5MHz~2496.5MHz, 2496.5MHz~12500MHz
Respectively mark the maximum results in the above sweep bandwidth.

7.4.5 Environmental Conditions

Temperature:	24.5°C
Relative Humidity:	45%
ATM Pressure:	1011 mbar

7.4.6 Test Results

TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11B	Ant1	2412	30~2387	33.54	-40.17	≤-26	0.09616	≤2.5	PASS
NTNV	11B	Ant2	2412	30~2387	31.18	-41.10	≤-26	0.07762	≤2.5	PASS
NTNV	11B	Ant1	2412	2387~2400	2399.99	-24.76	≤-16	3.34195	≤25	PASS
NTNV	11B	Ant2	2412	2387~2400	2399.93	-25.43	≤-16	2.86418	≤25	PASS
NTNV	11B	Ant1	2412	2483.5~2496.5	2485.52	-37.41	≤-16	0.18155	≤25	PASS
NTNV	11B	Ant2	2412	2483.5~2496.5	2493.50	-38.26	≤-16	0.14928	≤25	PASS
NTNV	11B	Ant1	2412	2496.5~13000	7487.49	-37.58	≤-26	0.17458	≤2.5	PASS
NTNV	11B	Ant2	2412	2496.5~13000	7494.32	-38.58	≤-26	0.13868	≤2.5	PASS
NTNV	11B	Ant1	2442	30~2387	32.36	-41.50	≤-26	0.07079	≤2.5	PASS
NTNV	11B	Ant2	2442	30~2387	35.60	-41.01	≤-26	0.07925	≤2.5	PASS
NTNV	11B	Ant1	2442	2387~2400	2399.75	-37.72	≤-16	0.16904	≤25	PASS
NTNV	11B	Ant2	2442	2387~2400	2394.43	-38.25	≤-16	0.14962	≤25	PASS
NTNV	11B	Ant1	2442	2483.5~2496.5	2494.35	-38.54	≤-16	0.13996	≤25	PASS
NTNV	11B	Ant2	2442	2483.5~2496.5	2492.73	-38.37	≤-16	0.14555	≤25	PASS
NTNV	11B	Ant1	2442	2496.5~13000	7473.31	-38.12	≤-26	0.15417	≤2.5	PASS
NTNV	11B	Ant2	2442	2496.5~13000	7484.34	-37.66	≤-26	0.17140	≤2.5	PASS
NTNV	11B	Ant1	2472	30~2387	33.54	-41.42	≤-26	0.07211	≤2.5	PASS
NTNV	11B	Ant2	2472	30~2387	35.60	-40.27	≤-26	0.09397	≤2.5	PASS
NTNV	11B	Ant1	2472	2387~2400	2389.05	-38.16	≤-16	0.15276	≤25	PASS
NTNV	11B	Ant2	2472	2387~2400	2398.88	-38.24	≤-16	0.14997	≤25	PASS
NTNV	11B	Ant1	2472	2483.5~2496.5	2483.51	-24.68	≤-16	3.40408	≤25	PASS
NTNV	11B	Ant2	2472	2483.5~2496.5	2483.53	-25.17	≤-16	3.04089	≤25	PASS
NTNV	11B	Ant1	2472	2496.5~13000	7425.51	-38.87	≤-26	0.12972	≤2.5	PASS
NTNV	11B	Ant2	2472	2496.5~13000	7475.41	-37.91	≤-26	0.16181	≤2.5	PASS
NTNV	11G	Ant1	2412	30~2387	35.01	-40.97	≤-26	0.07998	≤2.5	PASS
NTNV	11G	Ant2	2412	30~2387	2380.81	-39.45	≤-26	0.11350	≤2.5	PASS
NTNV	11G	Ant1	2412	2387~2400	2400	-12.32	≤-16	58.61382	≤25	See table below
NTNV	11G	Ant2	2412	2387~2400	2399.99	-12.33	≤-16	58.47901	≤25	See table below
NTNV	11G	Ant1	2412	2483.5~2496.5	2493.02	-36.94	≤-16	0.20230	≤25	PASS
NTNV	11G	Ant2	2412	2483.5~2496.5	2490.07	-38.21	≤-16	0.15101	≤25	PASS
NTNV	11G	Ant1	2412	2496.5~13000	7436.02	-37.38	≤-26	0.18281	≤2.5	PASS
NTNV	11G	Ant2	2412	2496.5~13000	7411.86	-38.70	≤-26	0.13490	≤2.5	PASS
NTNV	11G	Ant1	2442	30~2387	35.30	-40.61	≤-26	0.08690	≤2.5	PASS
NTNV	11G	Ant2	2442	30~2387	32.95	-40.89	≤-26	0.08147	≤2.5	PASS
NTNV	11G	Ant1	2442	2387~2400	2397.94	-37.87	≤-16	0.16331	≤25	PASS
NTNV	11G	Ant2	2442	2387~2400	2398.92	-37.68	≤-16	0.17061	≤25	PASS
NTNV	11G	Ant1	2442	2483.5~2496.5	2491.73	-37.86	≤-16	0.16368	≤25	PASS

NTNV	11G	Ant2	2442	2483.5~2496.5	2493.64	-37.67	≤-16	0.17100	≤25	PASS
NTNV	11G	Ant1	2442	2496.5~13000	7496.42	-38.38	≤-26	0.14521	≤2.5	PASS
NTNV	11G	Ant2	2442	2496.5~13000	7447.05	-38.04	≤-26	0.15704	≤2.5	PASS
NTNV	11G	Ant1	2472	30~2387	35.01	-41.00	≤-26	0.07943	≤2.5	PASS
NTNV	11G	Ant2	2472	30~2387	34.12	-40.84	≤-26	0.08241	≤2.5	PASS
NTNV	11G	Ant1	2472	2387~2400	2397.54	-38.05	≤-16	0.15668	≤25	PASS
NTNV	11G	Ant2	2472	2387~2400	2391.77	-37.62	≤-16	0.17298	≤25	PASS
NTNV	11G	Ant1	2472	2483.5~2496.5	2483.52	-12.63	≤-16	54.57579	≤25	See table below
NTNV	11G	Ant2	2472	2483.5~2496.5	2483.52	-13.58	≤-16	43.85307	≤25	See table below
NTNV	11G	Ant1	2472	2496.5~13000	7462.28	-38.87	≤-26	0.12972	≤2.5	PASS
NTNV	11G	Ant2	2472	2496.5~13000	6910.29	-38.21	≤-26	0.15101	≤2.5	PASS
NTNV	11N20MIMO	Ant1	2412	30~2387	2365.79	-39.61	≤-26	0.10940	≤2.5	PASS
NTNV	11N20MIMO	Ant2	2412	30~2387	2380.22	-40.14	≤-26	0.09683	≤2.5	PASS
NTNV	11N20MIMO	Ant1	2412	2387~2400	2399.98	-13.28	≤-16	46.98941	≤25	See table below
NTNV	11N20MIMO	Ant2	2412	2387~2400	2399.98	-13.12	≤-16	48.75285	≤25	See table below
NTNV	11N20MIMO	Ant2	2412	2483.5~2496.5	2492.98	-37.97	≤-16	0.15959	≤25	PASS
NTNV	11N20MIMO	Ant1	2412	2483.5~2496.5	2494.30	-38.20	≤-16	0.15136	≤25	PASS
NTNV	11N20MIMO	Ant2	2412	2496.5~13000	7385.07	-38.15	≤-26	0.15311	≤2.5	PASS
NTNV	11N20MIMO	Ant1	2412	2496.5~13000	7319.95	-38.24	≤-26	0.14997	≤2.5	PASS
NTNV	11N20MIMO	Ant1	2442	30~2387	32.65	-40.22	≤-26	0.09506	≤2.5	PASS
NTNV	11N20MIMO	Ant2	2442	30~2387	33.54	-40.64	≤-26	0.08630	≤2.5	PASS
NTNV	11N20MIMO	Ant1	2442	2387~2400	2399.06	-36.17	≤-16	0.24155	≤25	PASS
NTNV	11N20MIMO	Ant2	2442	2387~2400	2396.02	-37.29	≤-16	0.18664	≤25	PASS
NTNV	11N20MIMO	Ant1	2442	2483.5~2496.5	2485.17	-37.23	≤-16	0.18923	≤25	PASS
NTNV	11N20MIMO	Ant2	2442	2483.5~2496.5	2486.14	-36.48	≤-16	0.22491	≤25	PASS
NTNV	11N20MIMO	Ant1	2442	2496.5~13000	7453.35	-38.33	≤-26	0.14689	≤2.5	PASS
NTNV	11N20MIMO	Ant2	2442	2496.5~13000	7418.69	-38.53	≤-26	0.14028	≤2.5	PASS
NTNV	11N20MIMO	Ant1	2472	30~2387	32.65	-40.39	≤-26	0.09141	≤2.5	PASS
NTNV	11N20MIMO	Ant2	2472	30~2387	35.01	-40.75	≤-26	0.08414	≤2.5	PASS
NTNV	11N20MIMO	Ant1	2472	2387~2400	2397.12	-37.90	≤-16	0.16218	≤25	PASS
NTNV	11N20MIMO	Ant2	2472	2387~2400	2396.59	-37.70	≤-16	0.16982	≤25	PASS
NTNV	11N20MIMO	Ant1	2472	2483.5~2496.5	2483.51	-10.07	≤-16	98.40111	≤25	See table below
NTNV	11N20MIMO	Ant2	2472	2483.5~2496.5	2483.68	-11.29	≤-16	74.30191	≤25	See table below
NTNV	11N20MIMO	Ant1	2472	2496.5~13000	7490.11	-38.38	≤-26	0.14521	≤2.5	PASS
NTNV	11N20MIMO	Ant2	2472	2496.5~13000	7438.12	-38.20	≤-26	0.15136	≤2.5	PASS
NTNV	11N40MIMO	Ant2	2422	30~2387	2387.00	-38.51	≤-26	0.14093	≤2.5	PASS
NTNV	11N40MIMO	Ant1	2422	30~2387	2376.39	-40.09	≤-26	0.09795	≤2.5	PASS
NTNV	11N40MIMO	Ant2	2422	2387~2400	2399.94	-13.02	≤-16	49.88845	≤25	See table below
NTNV	11N40MIMO	Ant1	2422	2387~2400	2399.82	-11.97	≤-16	63.53309	≤25	See table below
NTNV	11N40MIMO	Ant2	2422	2483.5~2496.5	2486.28	-37.26	≤-16	0.18793	≤25	PASS
NTNV	11N40MIMO	Ant1	2422	2483.5~2496.5	2495.46	-37.70	≤-16	0.16982	≤25	PASS
NTNV	11N40MIMO	Ant1	2422	2496.5~13000	7491.69	-38.40	≤-26	0.14454	≤2.5	PASS
NTNV	11N40MIMO	Ant2	2422	2496.5~13000	7492.74	-38.64	≤-26	0.13677	≤2.5	PASS
NTNV	11N40MIMO	Ant1	2442	30~2387	2362.25	-39.48	≤-26	0.11272	≤2.5	PASS
NTNV	11N40MIMO	Ant2	2442	30~2387	35.01	-40.93	≤-26	0.08072	≤2.5	PASS
NTNV	11N40MIMO	Ant1	2442	2387~2400	2398.76	-36.72	≤-16	0.21281	≤25	PASS
NTNV	11N40MIMO	Ant2	2442	2387~2400	2396.38	-36.02	≤-16	0.25003	≤25	PASS
NTNV	11N40MIMO	Ant1	2442	2483.5~2496.5	2490.24	-37.32	≤-16	0.18535	≤25	PASS
NTNV	11N40MIMO	Ant2	2442	2483.5~2496.5	2489.37	-34.60	≤-16	0.34674	≤25	PASS
NTNV	11N40MIMO	Ant2	2442	2496.5~13000	7476.46	-38.36	≤-26	0.14588	≤2.5	PASS
NTNV	11N40MIMO	Ant1	2442	2496.5~13000	7471.73	-37.73	≤-26	0.16866	≤2.5	PASS
NTNV	11N40MIMO	Ant1	2462	30~2387	31.47	-40.17	≤-26	0.09616	≤2.5	PASS
NTNV	11N40MIMO	Ant2	2462	30~2387	2363.72	-40.85	≤-26	0.08222	≤2.5	PASS
NTNV	11N40MIMO	Ant1	2462	2387~2400	2397.03	-36.55	≤-16	0.22131	≤25	PASS
NTNV	11N40MIMO	Ant2	2462	2387~2400	2399.87	-37.48	≤-16	0.17865	≤25	PASS
NTNV	11N40MIMO	Ant1	2462	2483.5~2496.5	2483.87	-11.85	≤-16	65.31306	≤25	See table

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NTNV	11N40MIMO	Ant2	2462	2483.5~2496.5	2483.6	-11.41	≤-16	72.27698	≤25	See table below
NTNV	11N40MIMO	Ant1	2462	2496.5~13000	7474.88	-37.77	≤-26	0.16711	≤2.5	PASS
NTNV	11N40MIMO	Ant2	2462	2496.5~13000	7467.00	-38.02	≤-26	0.15776	≤2.5	PASS
NTNV	11AX20MIMO	Ant1	2412	30~2387	2386.12	-39.92	≤-26	0.10186	≤2.5	PASS
NTNV	11AX20MIMO	Ant2	2412	30~2387	2386.41	-37.85	≤-26	0.16406	≤2.5	PASS
NTNV	11AX20MIMO	Ant1	2412	2387~2400	2399.95	-11.89	≤-16	64.71426	≤25	See table below
NTNV	11AX20MIMO	Ant2	2412	2387~2400	2399.99	-13.13	≤-16	48.64072	≤25	See table below
NTNV	11AX20MIMO	Ant2	2412	2483.5~2496.5	2495.85	-38.21	≤-16	0.15101	≤25	PASS
NTNV	11AX20MIMO	Ant1	2412	2483.5~2496.5	2496.42	-38.19	≤-16	0.15171	≤25	PASS
NTNV	11AX20MIMO	Ant2	2412	2496.5~13000	7480.66	-38.00	≤-26	0.15849	≤2.5	PASS
NTNV	11AX20MIMO	Ant1	2412	2496.5~13000	7482.76	-38.32	≤-26	0.14723	≤2.5	PASS
NTNV	11AX20MIMO	Ant1	2442	30~2387	34.42	-40.73	≤-26	0.08453	≤2.5	PASS
NTNV	11AX20MIMO	Ant2	2442	30~2387	34.71	-40.01	≤-26	0.09977	≤2.5	PASS
NTNV	11AX20MIMO	Ant1	2442	2387~2400	2396.43	-36.80	≤-16	0.20893	≤25	PASS
NTNV	11AX20MIMO	Ant2	2442	2387~2400	2397.82	-36.27	≤-16	0.23605	≤25	PASS
NTNV	11AX20MIMO	Ant1	2442	2483.5~2496.5	2493.54	-37.15	≤-16	0.19275	≤25	PASS
NTNV	11AX20MIMO	Ant2	2442	2483.5~2496.5	2490.75	-36.92	≤-16	0.20324	≤25	PASS
NTNV	11AX20MIMO	Ant1	2442	2496.5~13000	7491.69	-38.58	≤-26	0.13868	≤2.5	PASS
NTNV	11AX20MIMO	Ant2	2442	2496.5~13000	7007.45	-38.17	≤-26	0.15241	≤2.5	PASS
NTNV	11AX20MIMO	Ant1	2472	30~2387	33.24	-40.68	≤-26	0.08551	≤2.5	PASS
NTNV	11AX20MIMO	Ant2	2472	30~2387	35.60	-40.19	≤-26	0.09572	≤2.5	PASS
NTNV	11AX20MIMO	Ant1	2472	2387~2400	2399.94	-38.01	≤-16	0.15812	≤25	PASS
NTNV	11AX20MIMO	Ant2	2472	2387~2400	2389.83	-37.92	≤-16	0.16144	≤25	PASS
NTNV	11AX20MIMO	Ant1	2472	2483.5~2496.5	2483.61	-10.82	≤-16	82.79422	≤25	See table below
NTNV	11AX20MIMO	Ant2	2472	2483.5~2496.5	2483.57	-10.72	≤-16	84.72274	≤25	See table below
NTNV	11AX20MIMO	Ant1	2472	2496.5~13000	7486.44	-38.57	≤-26	0.13900	≤2.5	PASS
NTNV	11AX20MIMO	Ant2	2472	2496.5~13000	7484.34	-38.25	≤-26	0.14962	≤2.5	PASS
NTNV	11AX40MIMO	Ant1	2422	30~2387	2387.00	-38.48	≤-26	0.14191	≤2.5	PASS
NTNV	11AX40MIMO	Ant2	2422	30~2387	2384.35	-35.58	≤-26	0.27669	≤2.5	PASS
NTNV	11AX40MIMO	Ant1	2422	2387~2400	2399.91	-12.40	≤-16	57.54399	≤25	See table below
NTNV	11AX40MIMO	Ant2	2422	2387~2400	2399.93	-11.32	≤-16	73.79042	≤25	See table below
NTNV	11AX40MIMO	Ant1	2422	2483.5~2496.5	2489.14	-37.76	≤-16	0.16749	≤25	PASS
NTNV	11AX40MIMO	Ant2	2422	2483.5~2496.5	2486.18	-36.78	≤-16	0.20989	≤25	PASS
NTNV	11AX40MIMO	Ant1	2422	2496.5~13000	7496.94	-37.83	≤-26	0.16482	≤2.5	PASS
NTNV	11AX40MIMO	Ant2	2422	2496.5~13000	7488.01	-38.35	≤-26	0.14622	≤2.5	PASS
NTNV	11AX40MIMO	Ant1	2442	30~2387	31.18	-40.01	≤-26	0.09977	≤2.5	PASS
NTNV	11AX40MIMO	Ant2	2442	30~2387	2346.05	-40.45	≤-26	0.09016	≤2.5	PASS
NTNV	11AX40MIMO	Ant1	2442	2387~2400	2395.90	-36.07	≤-16	0.24717	≤25	PASS
NTNV	11AX40MIMO	Ant2	2442	2387~2400	2395.09	-35.41	≤-16	0.28774	≤25	PASS
NTNV	11AX40MIMO	Ant1	2442	2483.5~2496.5	2488.86	-37.30	≤-16	0.18621	≤25	PASS
NTNV	11AX40MIMO	Ant2	2442	2483.5~2496.5	2485.61	-35.16	≤-16	0.30479	≤25	PASS
NTNV	11AX40MIMO	Ant1	2442	2496.5~13000	7489.06	-38.54	≤-26	0.13996	≤2.5	PASS
NTNV	11AX40MIMO	Ant2	2442	2496.5~13000	7440.74	-38.16	≤-26	0.15276	≤2.5	PASS
NTNV	11AX40MIMO	Ant1	2462	30~2387	34.71	-41.03	≤-26	0.07889	≤2.5	PASS
NTNV	11AX40MIMO	Ant2	2462	30~2387	2363.43	-40.88	≤-26	0.08166	≤2.5	PASS
NTNV	11AX40MIMO	Ant1	2462	2387~2400	2388.96	-36.96	≤-16	0.20137	≤25	PASS
NTNV	11AX40MIMO	Ant2	2462	2387~2400	2396.85	-36.85	≤-16	0.20654	≤25	PASS
NTNV	11AX40MIMO	Ant1	2462	2483.5~2496.5	2483.66	-11.44	≤-16	71.77943	≤25	See table below
NTNV	11AX40MIMO	Ant2	2462	2483.5~2496.5	2483.82	-10.26	≤-16	94.18896	≤25	See table below
NTNV	11AX40MIMO	Ant1	2462	2496.5~13000	7491.69	-38.56	≤-26	0.13932	≤2.5	PASS
NTNV	11AX40MIMO	Ant2	2462	2496.5~13000	7456.50	-38.32	≤-26	0.14723	≤2.5	PASS
NTNV	11BE20MIMO	Ant1	2412	30~2387	2384.64	-39.28	≤-26	0.11803	≤2.5	PASS
NTNV	11BE20MIMO	Ant2	2412	30~2387	34.71	-41.11	≤-26	0.07745	≤2.5	PASS
NTNV	11BE20MIMO	Ant1	2412	2387~2400	2399.98	-12.22	≤-16	59.97911	≤25	See

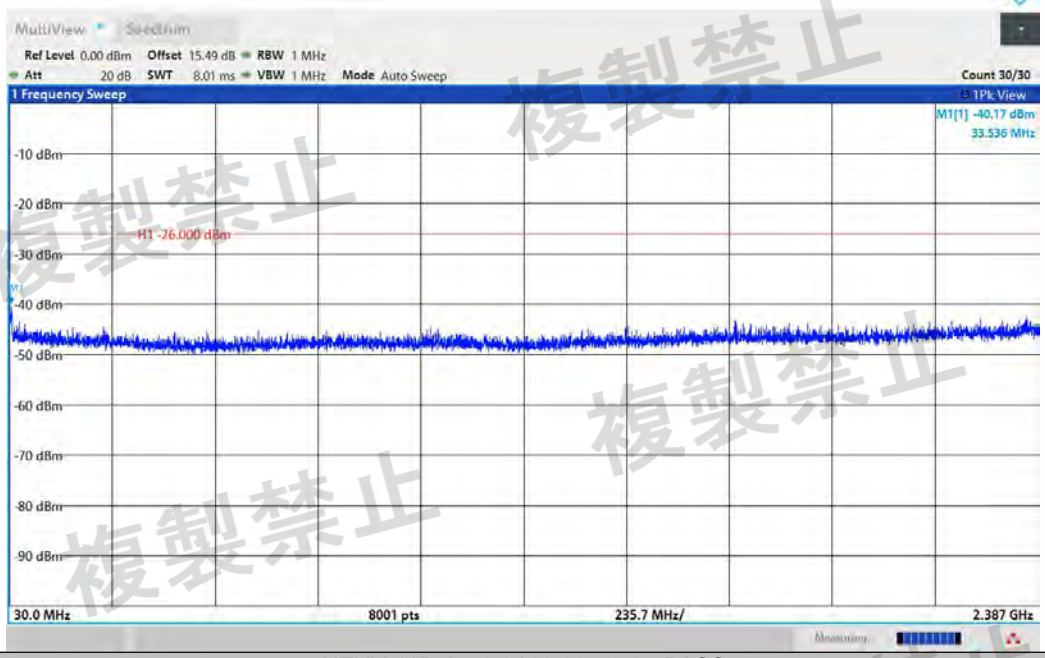
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NTNV	11BE20MIMO	Ant2	2412	2387~2400	2399.92	-14.67	≤-16	34.11929	≤25	See table below
NTNV	11BE20MIMO	Ant1	2412	2483.5~2496.5	2490.94	-38.20	≤-16	0.15136	≤25	PASS
NTNV	11BE20MIMO	Ant2	2412	2483.5~2496.5	2485.83	-37.92	≤-16	0.16144	≤25	PASS
NTNV	11BE20MIMO	Ant1	2412	2496.5~13000	7479.08	-38.55	≤-26	0.13964	≤2.5	PASS
NTNV	11BE20MIMO	Ant2	2412	2496.5~13000	7454.40	-37.62	≤-26	0.17298	≤2.5	PASS
NTNV	11BE20MIMO	Ant1	2442	30~2387	30.59	-40.62	≤-26	0.08670	≤2.5	PASS
NTNV	11BE20MIMO	Ant2	2442	30~2387	34.12	-41.31	≤-26	0.07396	≤2.5	PASS
NTNV	11BE20MIMO	Ant1	2442	2387~2400	2399.44	-36.71	≤-16	0.21330	≤25	PASS
NTNV	11BE20MIMO	Ant2	2442	2387~2400	2395.28	-36.91	≤-16	0.20370	≤25	PASS
NTNV	11BE20MIMO	Ant1	2442	2483.5~2496.5	2486.56	-36.52	≤-16	0.22284	≤25	PASS
NTNV	11BE20MIMO	Ant2	2442	2483.5~2496.5	2491.58	-36.98	≤-16	0.20045	≤25	PASS
NTNV	11BE20MIMO	Ant1	2442	2496.5~13000	7463.33	-37.36	≤-26	0.18365	≤2.5	PASS
NTNV	11BE20MIMO	Ant2	2442	2496.5~13000	7488.01	-38.37	≤-26	0.14555	≤2.5	PASS
NTNV	11BE20MIMO	Ant2	2472	30~2387	32.95	-41.20	≤-26	0.07586	≤2.5	PASS
NTNV	11BE20MIMO	Ant1	2472	30~2387	33.54	-40.67	≤-26	0.08570	≤2.5	PASS
NTNV	11BE20MIMO	Ant1	2472	2387~2400	2396.65	-38.13	≤-16	0.15382	≤25	PASS
NTNV	11BE20MIMO	Ant2	2472	2387~2400	2393.34	-37.40	≤-16	0.18197	≤25	PASS
NTNV	11BE20MIMO	Ant1	2472	2483.5~2496.5	2483.51	-13.22	≤-16	47.64310	≤25	See table below
NTNV	11BE20MIMO	Ant2	2472	2483.5~2496.5	2483.5	-6.86	≤-16	206.06299	≤25	See table below
NTNV	11BE20MIMO	Ant1	2472	2496.5~13000	7465.95	-38.23	≤-26	0.15031	≤2.5	PASS
NTNV	11BE20MIMO	Ant2	2472	2496.5~13000	7493.26	-38.47	≤-26	0.14223	≤2.5	PASS
NTNV	11BE40MIMO	Ant1	2422	30~2387	2386.41	-39.08	≤-26	0.12359	≤2.5	PASS
NTNV	11BE40MIMO	Ant2	2422	30~2387	2377.28	-36.70	≤-26	0.21380	≤2.5	PASS
NTNV	11BE40MIMO	Ant1	2422	2387~2400	2399.84	-12.50	≤-16	56.23413	≤25	See table below
NTNV	11BE40MIMO	Ant2	2422	2387~2400	2399.85	-11.80	≤-16	66.06934	≤25	See table below
NTNV	11BE40MIMO	Ant1	2422	2483.5~2496.5	2494.93	-38.31	≤-16	0.14757	≤25	PASS
NTNV	11BE40MIMO	Ant2	2422	2483.5~2496.5	2496.02	-38.11	≤-16	0.15453	≤25	PASS
NTNV	11BE40MIMO	Ant1	2422	2496.5~13000	7495.89	-38.56	≤-26	0.13932	≤2.5	PASS
NTNV	11BE40MIMO	Ant2	2422	2496.5~13000	7468.06	-38.51	≤-26	0.14093	≤2.5	PASS
NTNV	11BE40MIMO	Ant1	2442	30~2387	35.30	-40.61	≤-26	0.08690	≤2.5	PASS
NTNV	11BE40MIMO	Ant2	2442	30~2387	2374.92	-39.96	≤-26	0.10093	≤2.5	PASS
NTNV	11BE40MIMO	Ant1	2442	2387~2400	2397.98	-36.80	≤-16	0.20893	≤25	PASS
NTNV	11BE40MIMO	Ant2	2442	2387~2400	2399.23	-35.32	≤-16	0.29376	≤25	PASS
NTNV	11BE40MIMO	Ant1	2442	2483.5~2496.5	2489.65	-36.65	≤-16	0.21627	≤25	PASS
NTNV	11BE40MIMO	Ant2	2442	2483.5~2496.5	2485.91	-36.68	≤-16	0.21478	≤25	PASS
NTNV	11BE40MIMO	Ant1	2442	2496.5~13000	7498.52	-38.49	≤-26	0.14158	≤2.5	PASS
NTNV	11BE40MIMO	Ant2	2442	2496.5~13000	7495.89	-38.09	≤-26	0.15524	≤2.5	PASS
NTNV	11BE40MIMO	Ant1	2462	30~2387	2360.19	-40.31	≤-26	0.09311	≤2.5	PASS
NTNV	11BE40MIMO	Ant2	2462	30~2387	35.30	-41.22	≤-26	0.07551	≤2.5	PASS
NTNV	11BE40MIMO	Ant1	2462	2387~2400	2397.42	-37.23	≤-16	0.18923	≤25	PASS
NTNV	11BE40MIMO	Ant2	2462	2387~2400	2395.79	-37.32	≤-16	0.18535	≤25	PASS
NTNV	11BE40MIMO	Ant1	2462	2483.5~2496.5	2483.55	-11.53	≤-16	70.30723	≤25	See table below
NTNV	11BE40MIMO	Ant2	2462	2483.5~2496.5	2483.53	-11.70	≤-16	67.60830	≤25	See table below
NTNV	11BE40MIMO	Ant1	2462	2496.5~13000	7001.15	-38.23	≤-26	0.15031	≤2.5	PASS
NTNV	11BE40MIMO	Ant2	2462	2496.5~13000	7464.38	-38.67	≤-26	0.13583	≤2.5	PASS

Step2

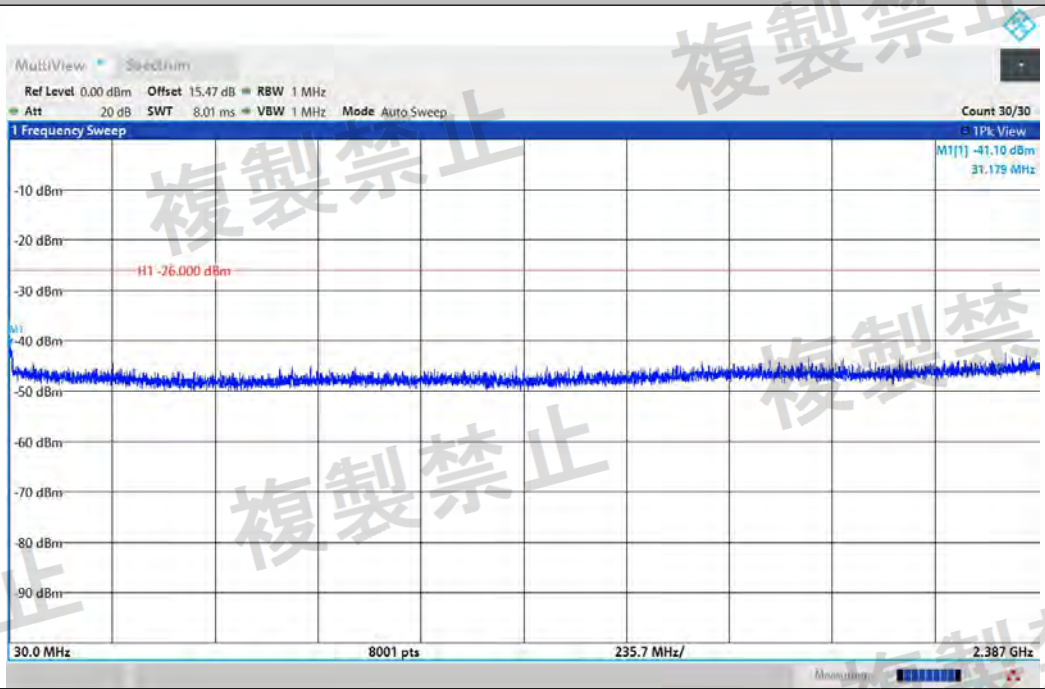
TestCondition	TestMode	Antenna	Frequency [MHz]	Freq. [MHz]	Result [dBm/MHz]	EIRP Result [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTNV	11G	Ant1	2412	2399.99	-34.89	-34.89	0.32434	≤25	PASS
NTNV	11G	Ant2	2412	2400.00	-34.58	-34.58	0.34834	≤25	PASS
NTNV	11G	Ant1	2472	2483.64	-33.57	-33.57	0.43954	≤25	PASS
NTNV	11G	Ant2	2472	2483.72	-33.76	-33.76	0.42073	≤25	PASS
NTNV	11N20MIMO	Ant1	2412	2399.96	-34.78	-34.78	0.33266	≤25	PASS
NTNV	11N20MIMO	Ant2	2412	2399.98	-34.62	-34.62	0.34514	≤25	PASS
NTNV	11N20MIMO	Ant1	2412	2399.96	-34.78	-34.78	0.33266	≤25	PASS
NTNV	11N20MIMO	Ant2	2412	2399.98	-34.51	-34.51	0.35400	≤25	PASS
NTNV	11N20MIMO	Ant1	2412	2399.96	---	---	0.66532	≤25	PASS
NTNV	11N20MIMO	Ant2	2412	2399.98	---	---	0.69914	≤25	PASS
NTNV	11N20MIMO	Ant1	2472	2483.56	-33.26	-33.26	0.47206	≤25	PASS
NTNV	11N20MIMO	Ant2	2472	2483.63	-33.32	-33.32	0.46559	≤25	PASS
NTNV	11N20MIMO	Ant1	2472	2483.56	-32.88	-32.88	0.51523	≤25	PASS
NTNV	11N20MIMO	Ant2	2472	2483.63	-33.06	-33.06	0.49431	≤25	PASS
NTNV	11N20MIMO	Ant1	2472	2483.56	---	---	0.98729	≤25	PASS
NTNV	11N20MIMO	Ant2	2472	2483.63	---	---	0.95990	≤25	PASS
NTNV	11N40MIMO	Ant1	2422	2399.49	-37.57	-37.57	0.17498	≤25	PASS
NTNV	11N40MIMO	Ant2	2422	2399.95	-36.11	-36.11	0.24491	≤25	PASS
NTNV	11N40MIMO	Ant1	2422	2399.49	-37.50	-37.50	0.17783	≤25	PASS
NTNV	11N40MIMO	Ant2	2422	2399.95	-36.05	-36.05	0.24831	≤25	PASS
NTNV	11N40MIMO	Ant1	2422	2399.49	---	---	0.35281	≤25	PASS
NTNV	11N40MIMO	Ant2	2422	2399.95	---	---	0.49322	≤25	PASS
NTNV	11N40MIMO	Ant1	2462	2483.72	-35.84	-35.84	0.26062	≤25	PASS
NTNV	11N40MIMO	Ant2	2462	2483.64	-35.55	-35.55	0.27861	≤25	PASS
NTNV	11N40MIMO	Ant1	2462	2483.72	-35.73	-35.73	0.26730	≤25	PASS
NTNV	11N40MIMO	Ant2	2462	2483.64	-35.41	-35.41	0.28774	≤25	PASS
NTNV	11N40MIMO	Ant1	2462	2483.72	---	---	0.52792	≤25	PASS
NTNV	11N40MIMO	Ant2	2462	2483.64	---	---	0.56635	≤25	PASS
NTNV	11AX20MIMO	Ant2	2412	2399.96	-36.50	-36.50	0.22387	≤25	PASS
NTNV	11AX20MIMO	Ant1	2412	2399.75	-37.70	-37.70	0.16982	≤25	PASS
NTNV	11AX20MIMO	Ant2	2412	2399.96	-36.40	-36.40	0.22909	≤25	PASS
NTNV	11AX20MIMO	Ant1	2412	2399.75	-37.73	-37.73	0.16866	≤25	PASS
NTNV	11AX20MIMO	Ant2	2412	2399.96	---	---	0.45296	≤25	PASS
NTNV	11AX20MIMO	Ant1	2412	2399.75	---	---	0.33848	≤25	PASS
NTNV	11AX20MIMO	Ant1	2472	2483.51	-34.35	-34.35	0.36728	≤25	PASS
NTNV	11AX20MIMO	Ant2	2472	2483.50	-34.20	-34.20	0.38019	≤25	PASS
NTNV	11AX20MIMO	Ant1	2472	2483.51	-34.18	-34.18	0.38194	≤25	PASS
NTNV	11AX20MIMO	Ant2	2472	2483.50	-34.16	-34.16	0.38371	≤25	PASS
NTNV	11AX20MIMO	Ant1	2472	2483.51	---	---	0.74922	≤25	PASS
NTNV	11AX20MIMO	Ant2	2472	2483.50	---	---	0.76390	≤25	PASS
NTNV	11AX40MIMO	Ant1	2422	2400.00	-37.24	-37.24	0.18880	≤25	PASS
NTNV	11AX40MIMO	Ant2	2422	2399.98	-37.22	-37.22	0.18967	≤25	PASS
NTNV	11AX40MIMO	Ant1	2422	2400.00	-37.09	-37.09	0.19543	≤25	PASS
NTNV	11AX40MIMO	Ant2	2422	2399.98	-37.18	-37.18	0.19143	≤25	PASS
NTNV	11AX40MIMO	Ant1	2422	2400.00	---	---	0.38423	≤25	PASS
NTNV	11AX40MIMO	Ant2	2422	2399.98	---	---	0.38110	≤25	PASS
NTNV	11AX40MIMO	Ant1	2462	2483.71	-36.48	-36.48	0.22491	≤25	PASS
NTNV	11AX40MIMO	Ant2	2462	2483.52	-36.05	-36.05	0.24831	≤25	PASS
NTNV	11AX40MIMO	Ant1	2462	2483.71	-36.55	-36.55	0.22131	≤25	PASS
NTNV	11AX40MIMO	Ant2	2462	2483.52	-35.79	-35.79	0.26363	≤25	PASS
NTNV	11AX40MIMO	Ant1	2462	2483.71	---	---	0.44622	≤25	PASS
NTNV	11AX40MIMO	Ant2	2462	2483.52	---	---	0.51194	≤25	PASS
NTNV	11BE20MIMO	Ant1	2412	2399.98	-35.72	-35.72	0.26792	≤25	PASS
NTNV	11BE20MIMO	Ant2	2412	2399.99	-40.49	-40.49	0.08933	≤25	PASS
NTNV	11BE20MIMO	Ant1	2412	2399.98	-35.61	-35.61	0.27479	≤25	PASS
NTNV	11BE20MIMO	Ant2	2412	2399.99	-40.12	-40.12	0.09727	≤25	PASS
NTNV	11BE20MIMO	Ant1	2412	2399.98	---	---	0.54271	≤25	PASS
NTNV	11BE20MIMO	Ant2	2412	2399.99	---	---	0.18660	≤25	PASS
NTNV	11BE20MIMO	Ant1	2472	2483.50	-33.37	-33.37	0.46026	≤25	PASS
NTNV	11BE20MIMO	Ant1	2472	2483.50	-33.15	-33.15	0.48417	≤25	PASS
NTNV	11BE20MIMO	Ant1	2472	2483.50	---	---	0.94443	≤25	PASS
NTNV	11BE40MIMO	Ant1	2422	2399.97	-37.32	-37.32	0.18535	≤25	PASS
NTNV	11BE40MIMO	Ant2	2422	2399.85	-33.95	-33.95	0.40272	≤25	PASS
NTNV	11BE40MIMO	Ant1	2422	2399.97	-36.89	-36.89	0.20464	≤25	PASS
NTNV	11BE40MIMO	Ant2	2422	2399.85	-34.64	-34.64	0.34356	≤25	PASS
NTNV	11BE40MIMO	Ant1	2422	2399.97	---	---	0.38999	≤25	PASS
NTNV	11BE40MIMO	Ant2	2422	2399.85	---	---	0.74628	≤25	PASS

NTNV	11BE40MIMO	Ant1	2462	2483.61	-36.08	-36.08	0.24660	≤25	PASS
NTNV	11BE40MIMO	Ant2	2462	2483.52	-31.92	-31.92	0.64269	≤25	PASS
NTNV	11BE40MIMO	Ant1	2462	2483.61	-35.99	-35.99	0.25177	≤25	PASS
NTNV	11BE40MIMO	Ant2	2462	2483.52	-35.81	-35.81	0.26242	≤25	PASS
NTNV	11BE40MIMO	Ant1	2462	2483.61	---	---	0.49837	≤25	PASS
NTNV	11BE40MIMO	Ant2	2462	2483.52	---	---	0.90511	≤25	PASS

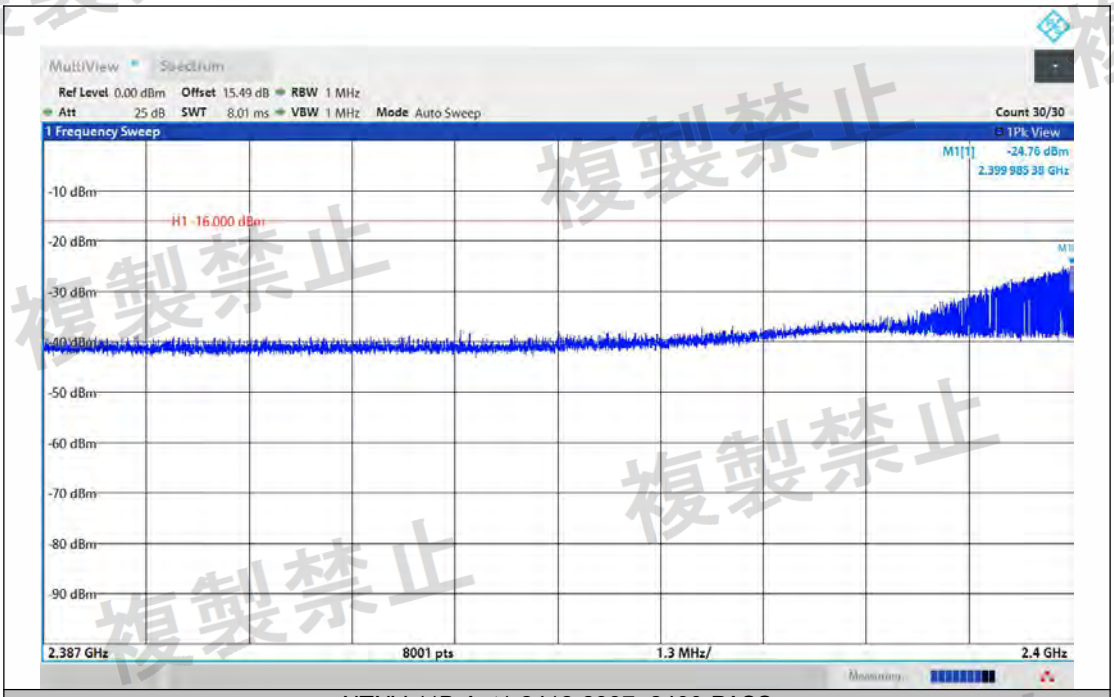
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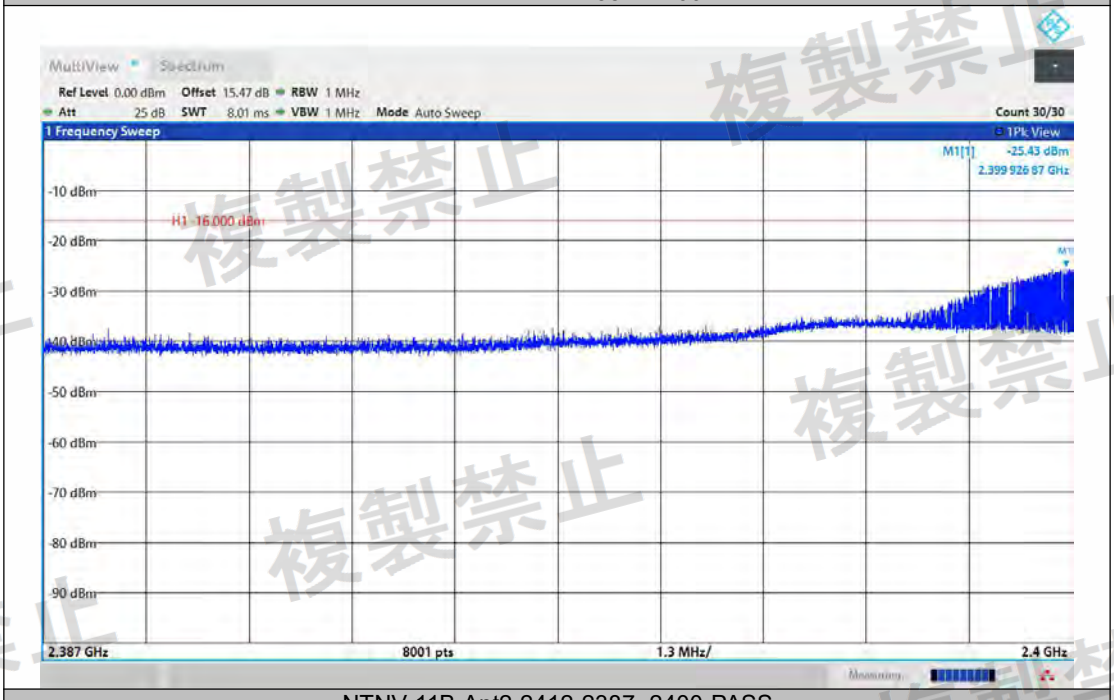
NTNV-11B-Ant1-2412-30~2387-PASS



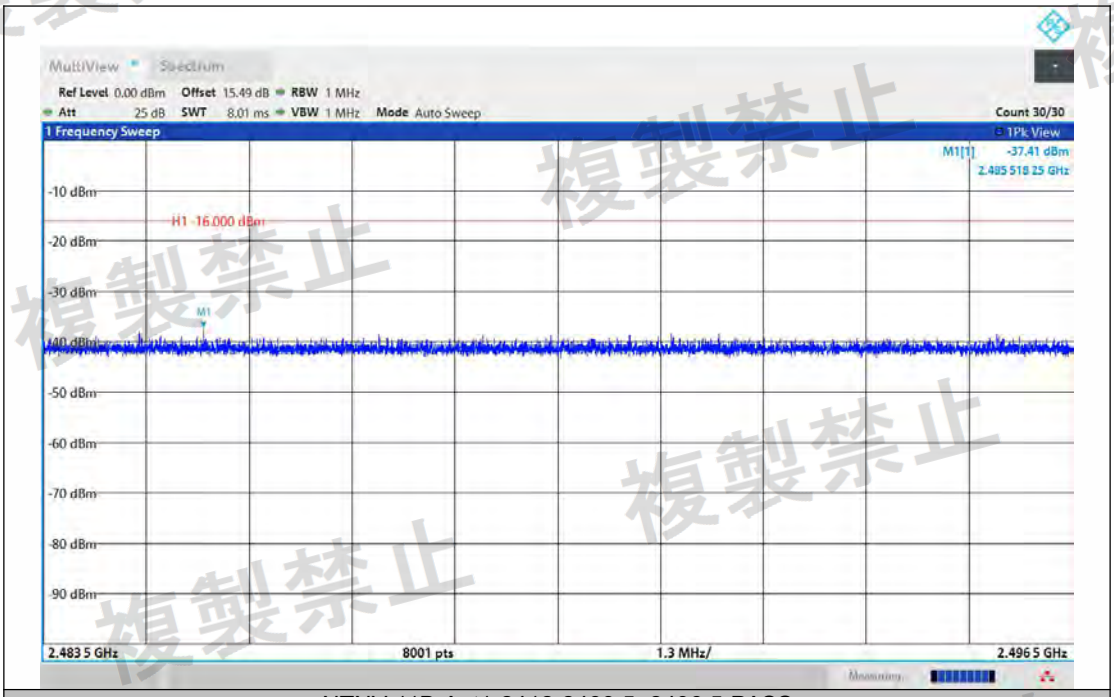
NTNV-11B-Ant2-2412-30~2387-PASS



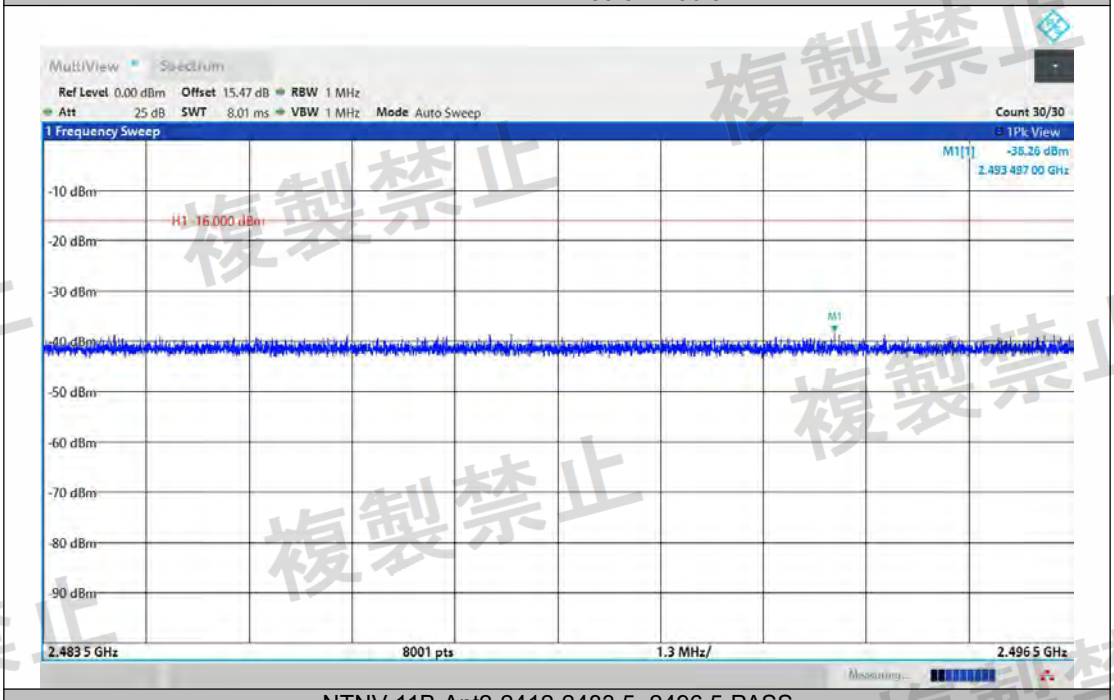
NTNV-11B-Ant1-2412-2387~2400-PASS



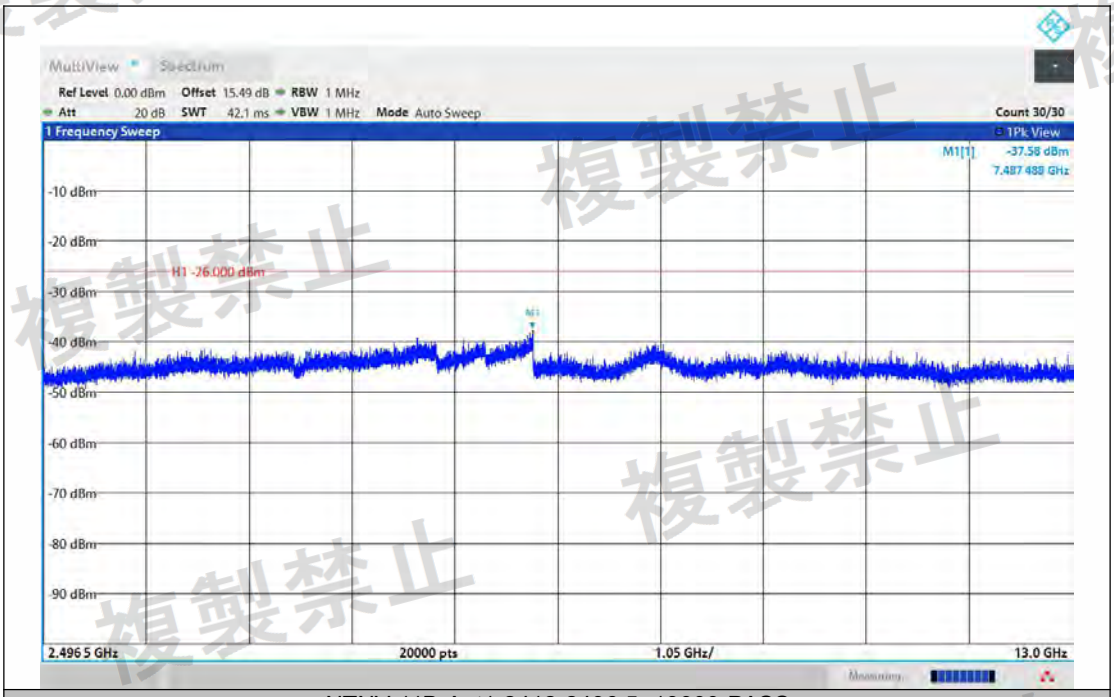
NTNV-11B-Ant2-2412-2387~2400-PASS



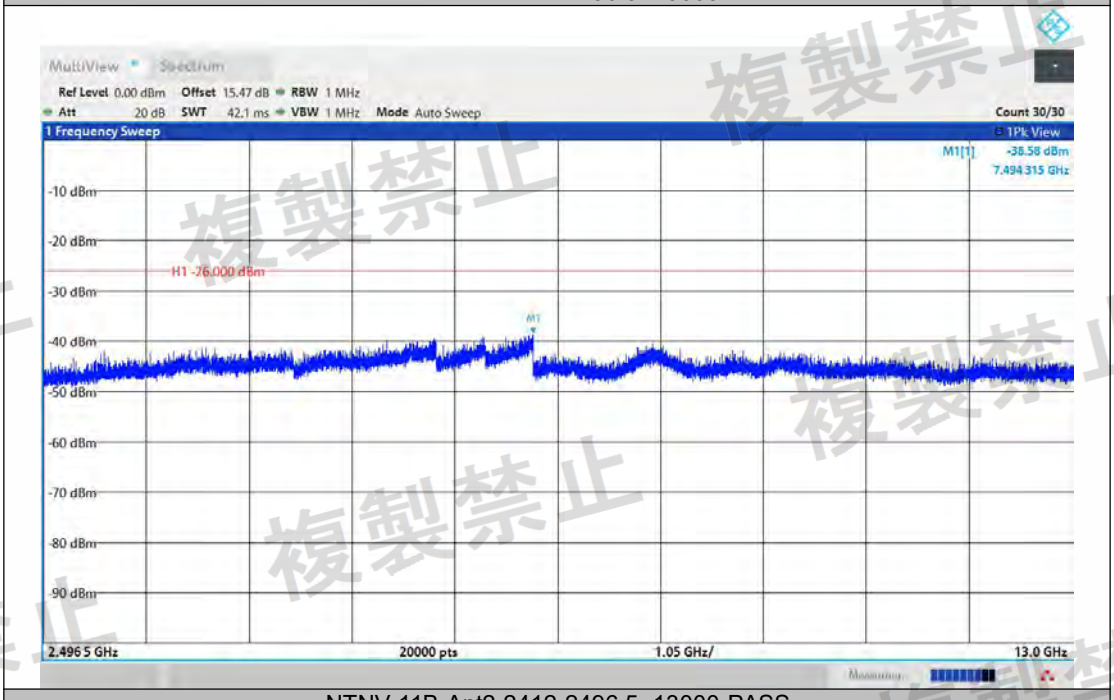
NTNV-11B-Ant1-2412-2483.5~2496.5-PASS



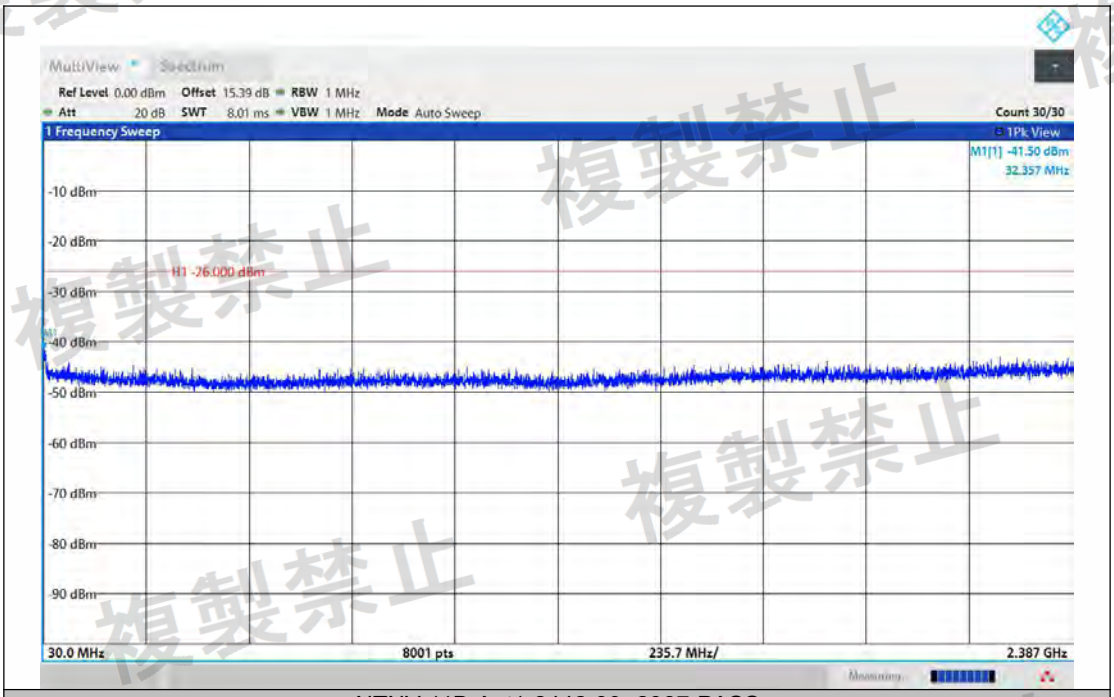
NTNV-11B-Ant2-2412-2483.5~2496.5-PASS



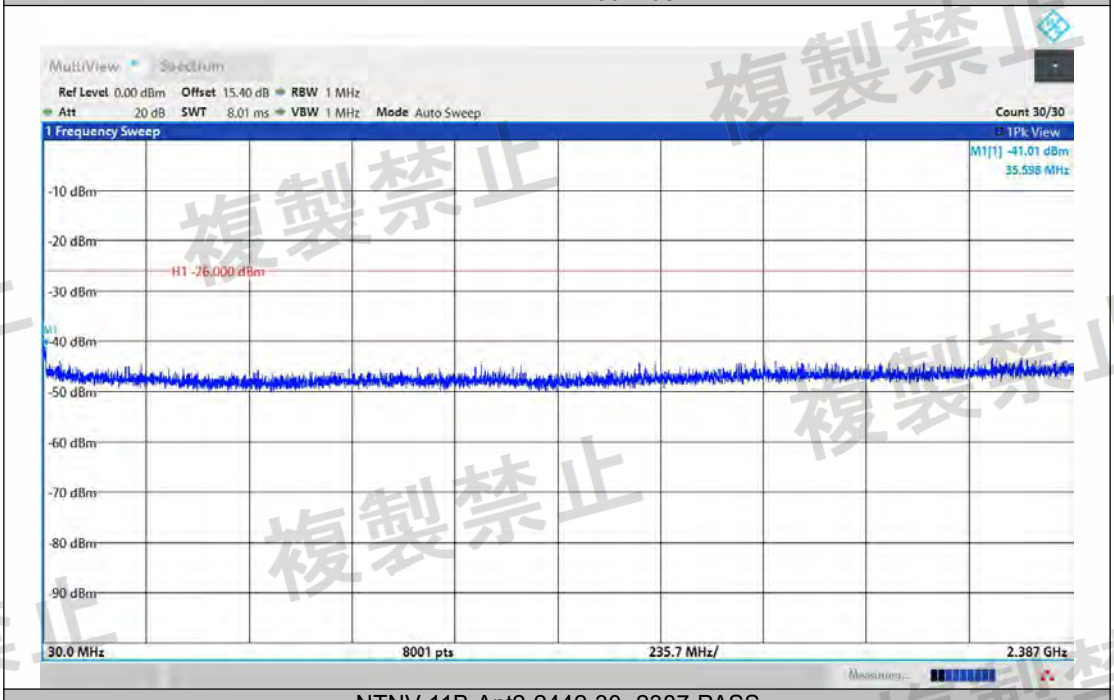
NTNV-11B-Ant1-2412-2496.5~13000-PASS



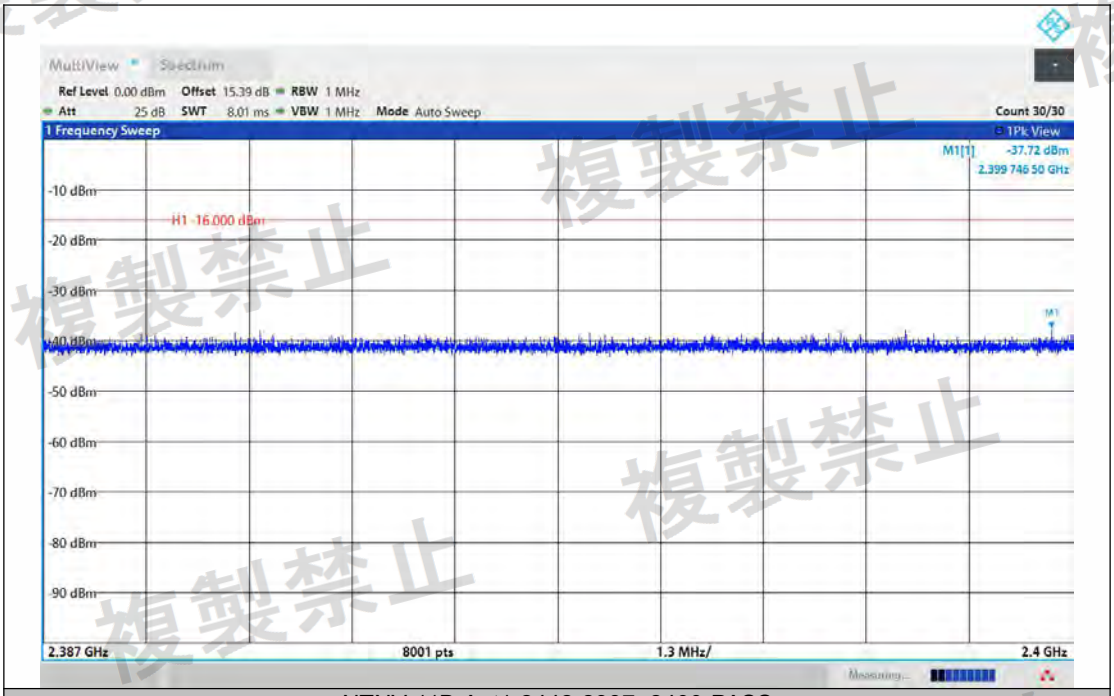
NTNV-11B-Ant2-2412-2496.5~13000-PASS



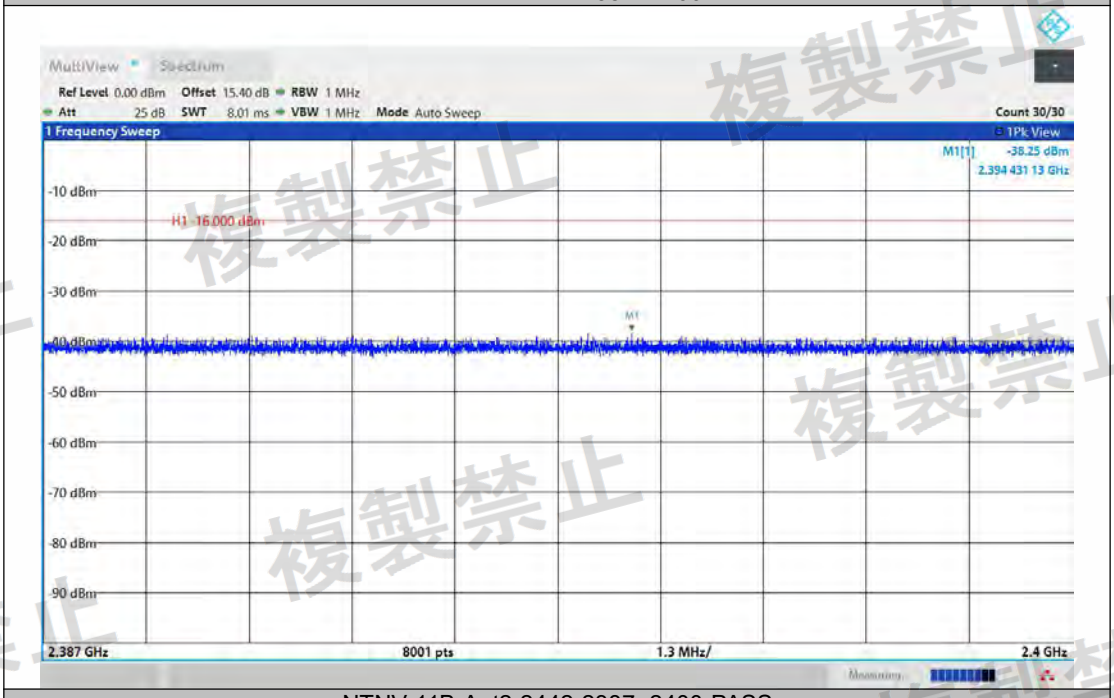
NTNV-11B-Ant1-2442-30~2387-PASS



NTNV-11B-Ant2-2442-30~2387-PASS

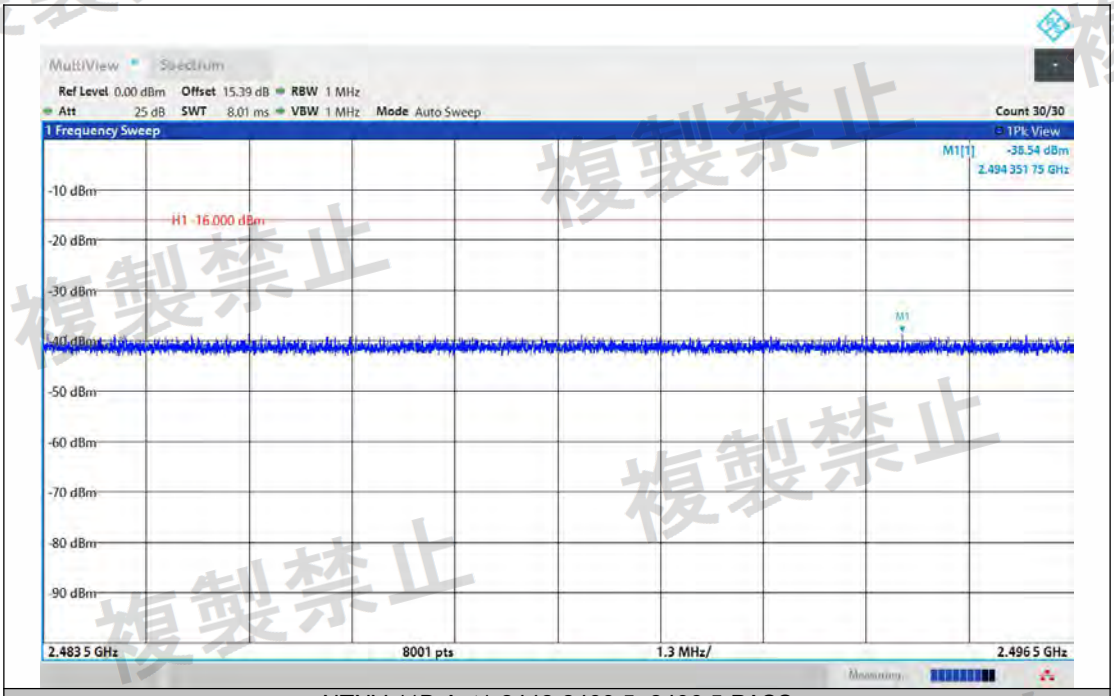


NTNV-11B-Ant1-2442-2387~2400-PASS

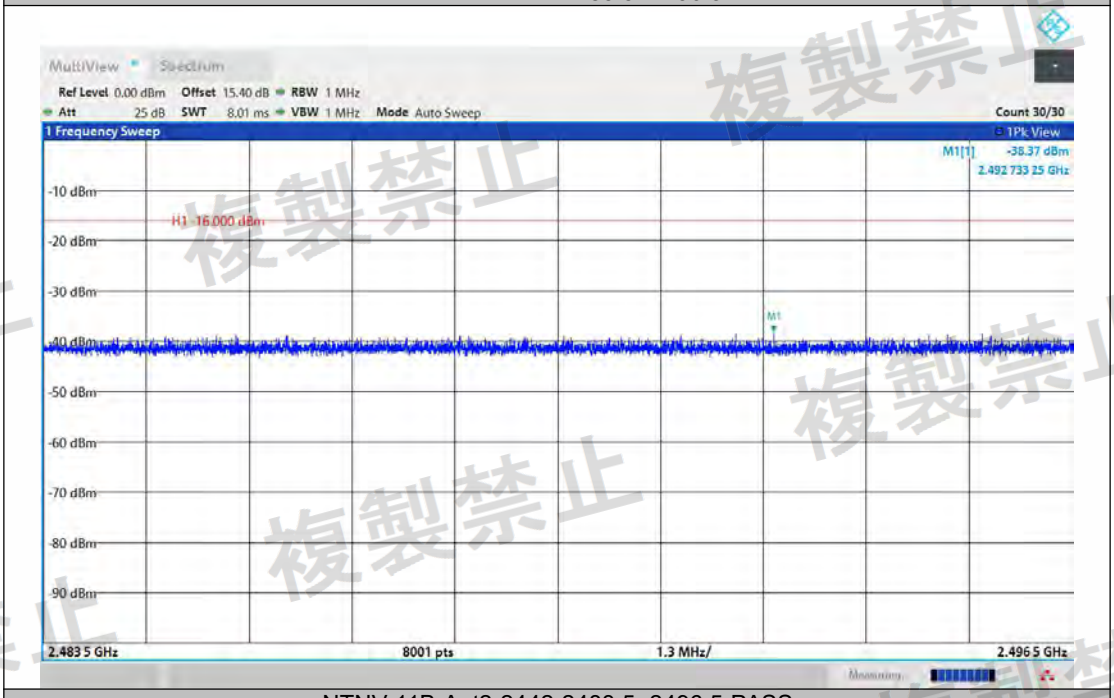


NTNV-11B-Ant2-2442-2387~2400-PASS

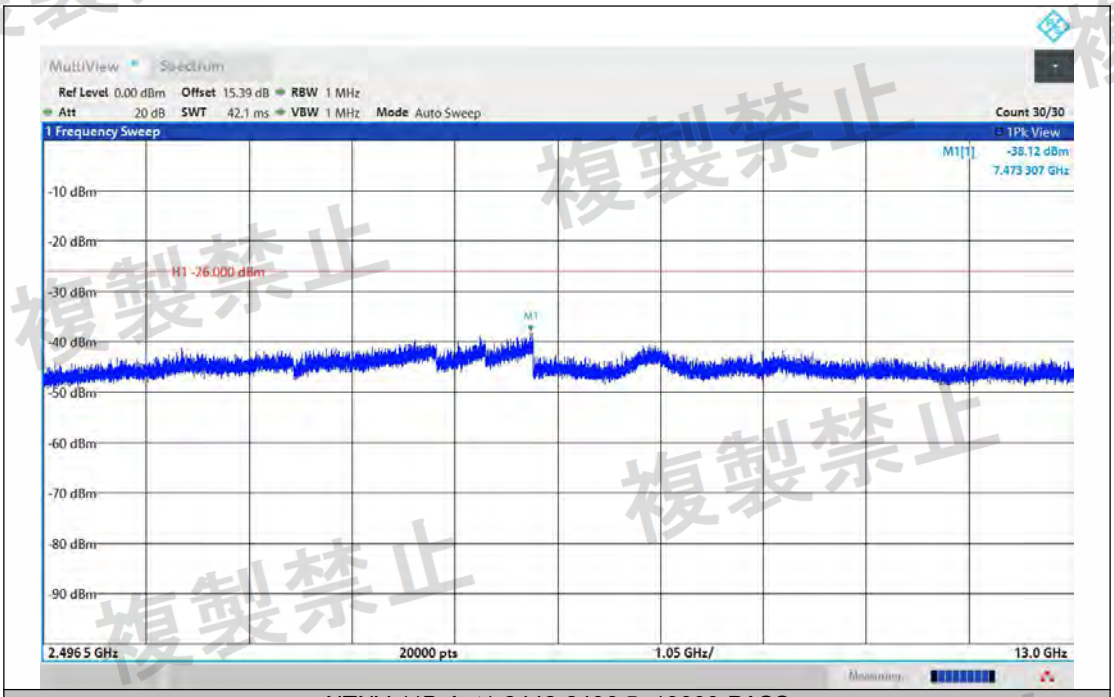
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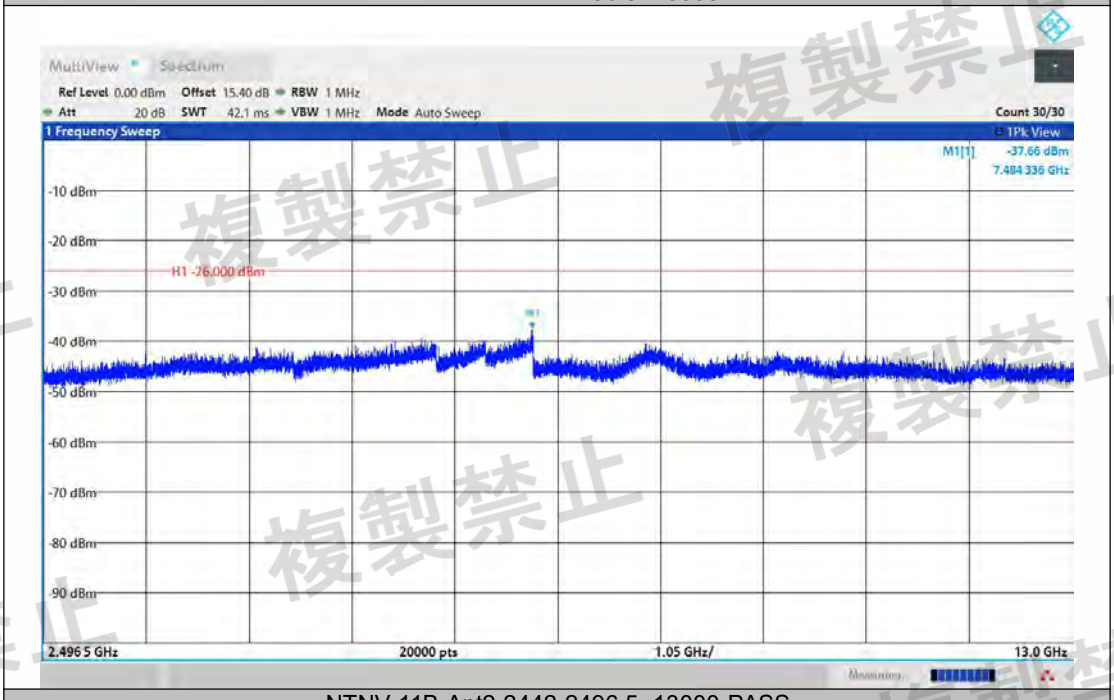
NTNV-11B-Ant1-2442-2483.5~2496.5-PASS



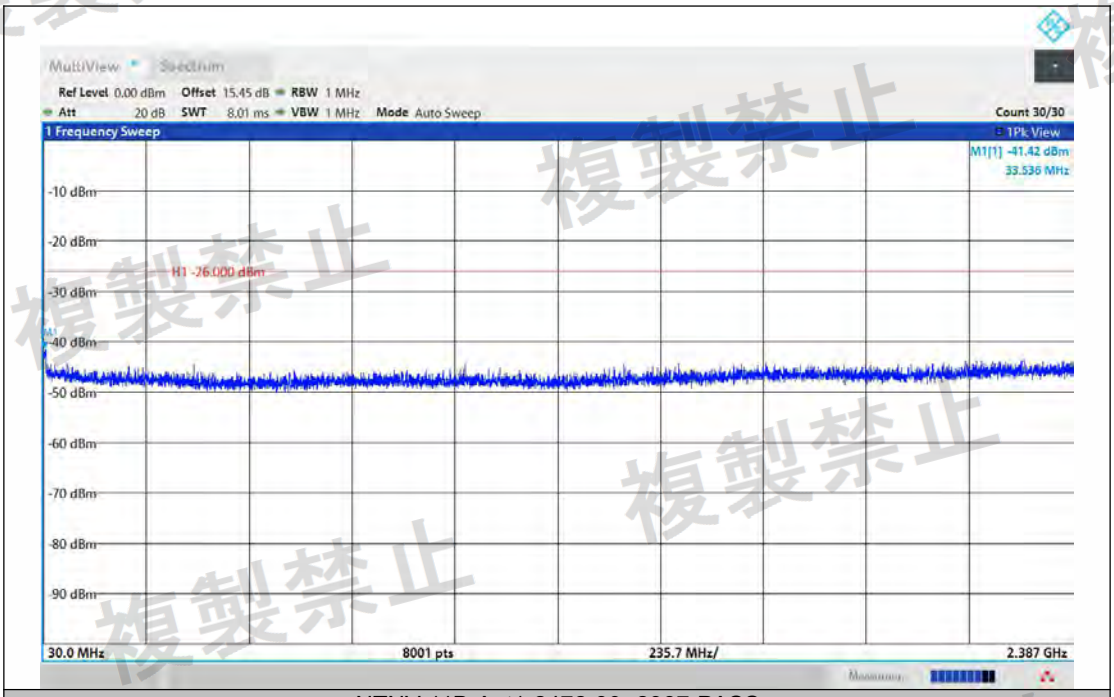
NTNV-11B-Ant2-2442-2483.5~2496.5-PASS



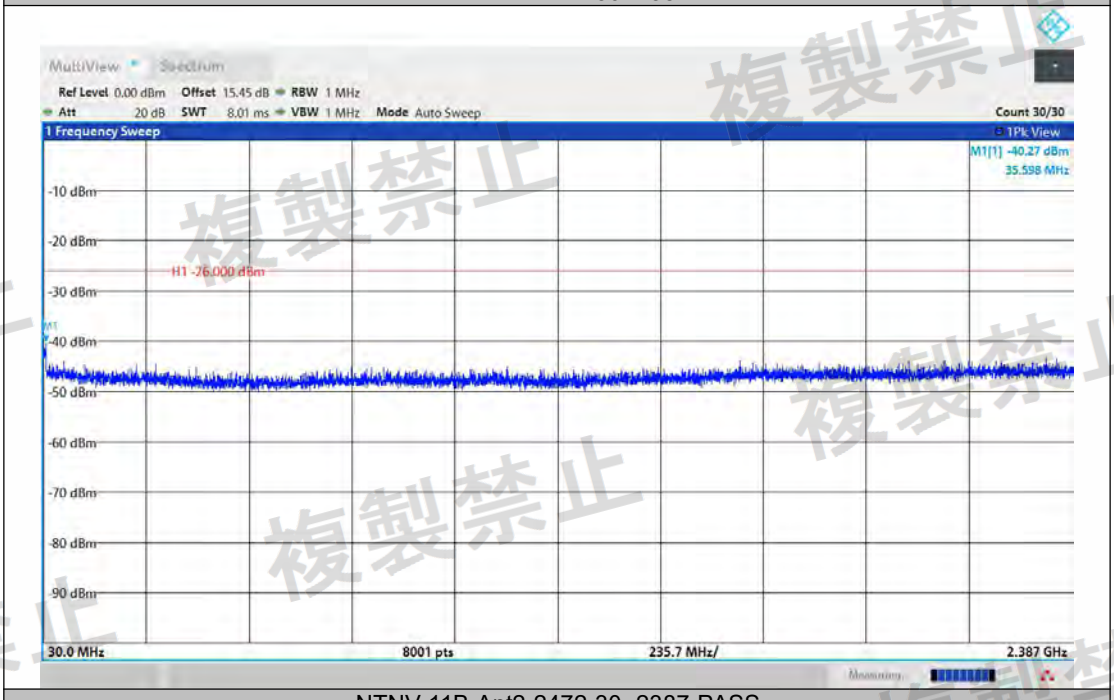
NTNV-11B-Ant1-2442-2496.5~13000-PASS



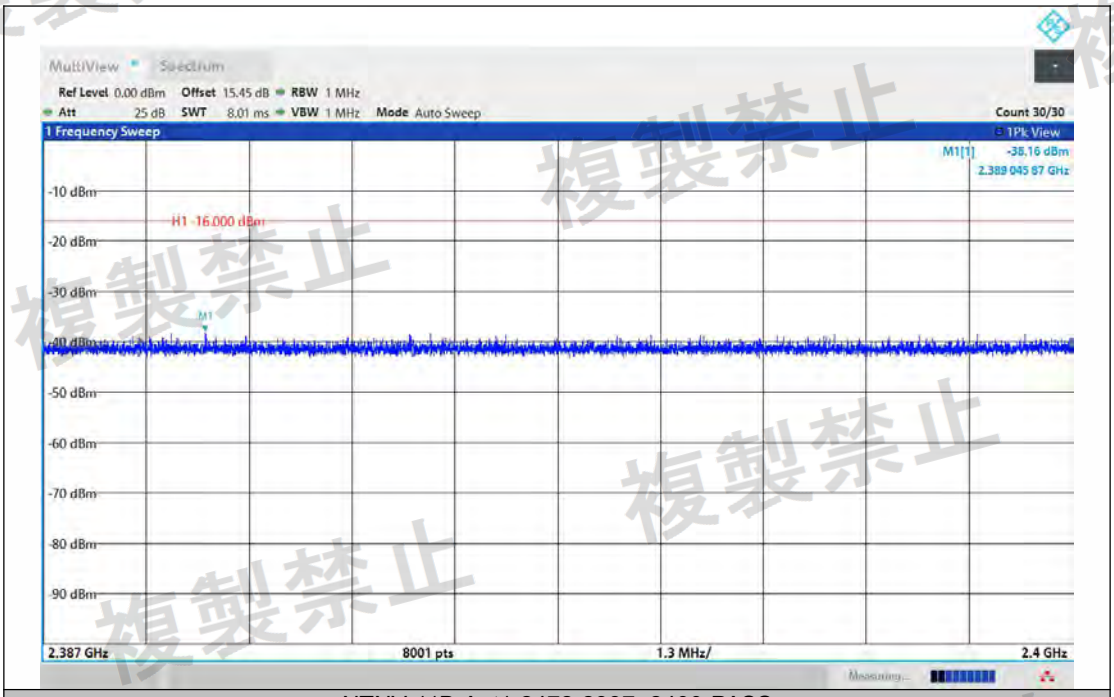
NTNV-11B-Ant2-2442-2496.5~13000-PASS



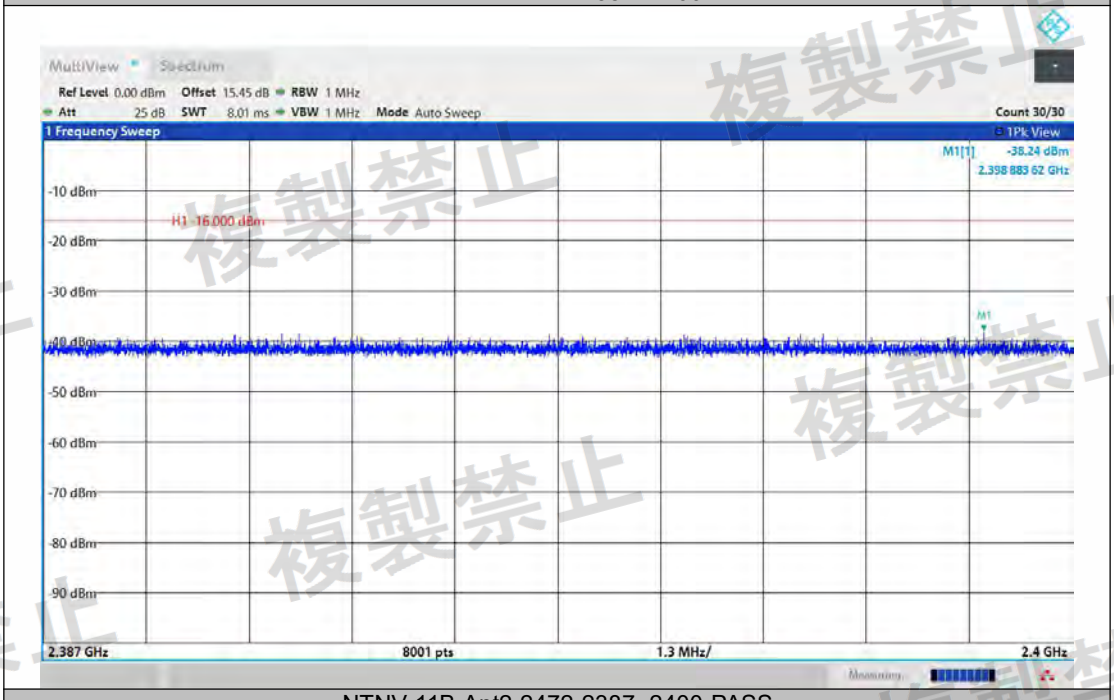
NTNV-11B-Ant1-2472-30~2387-PASS



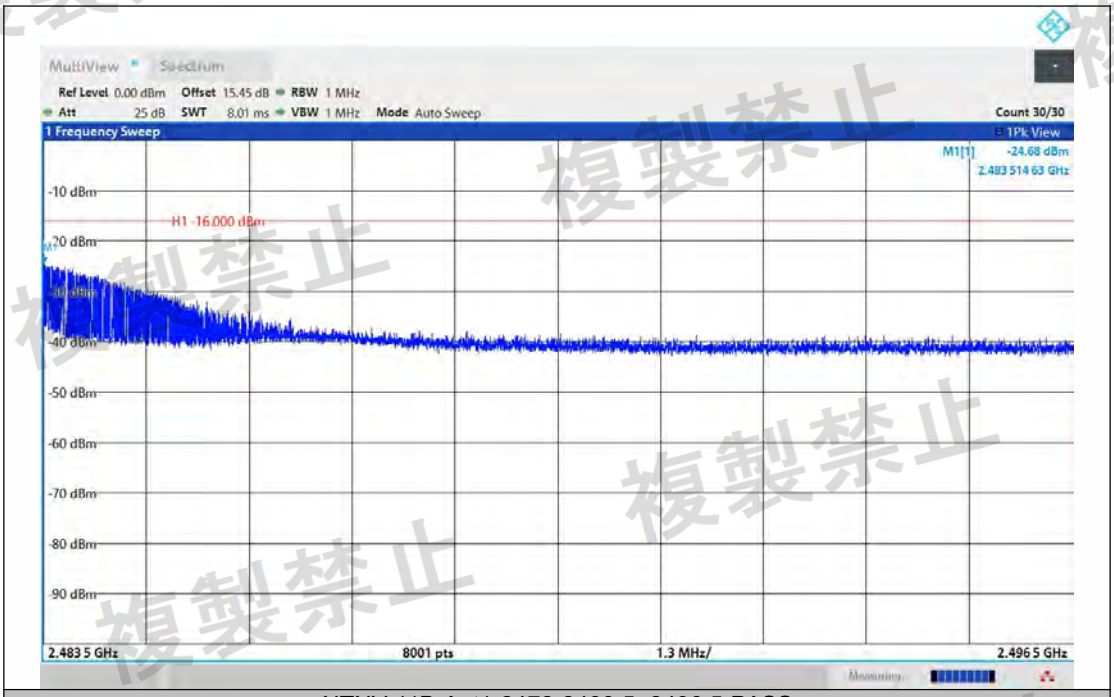
NTNV-11B-Ant2-2472-30~2387-PASS



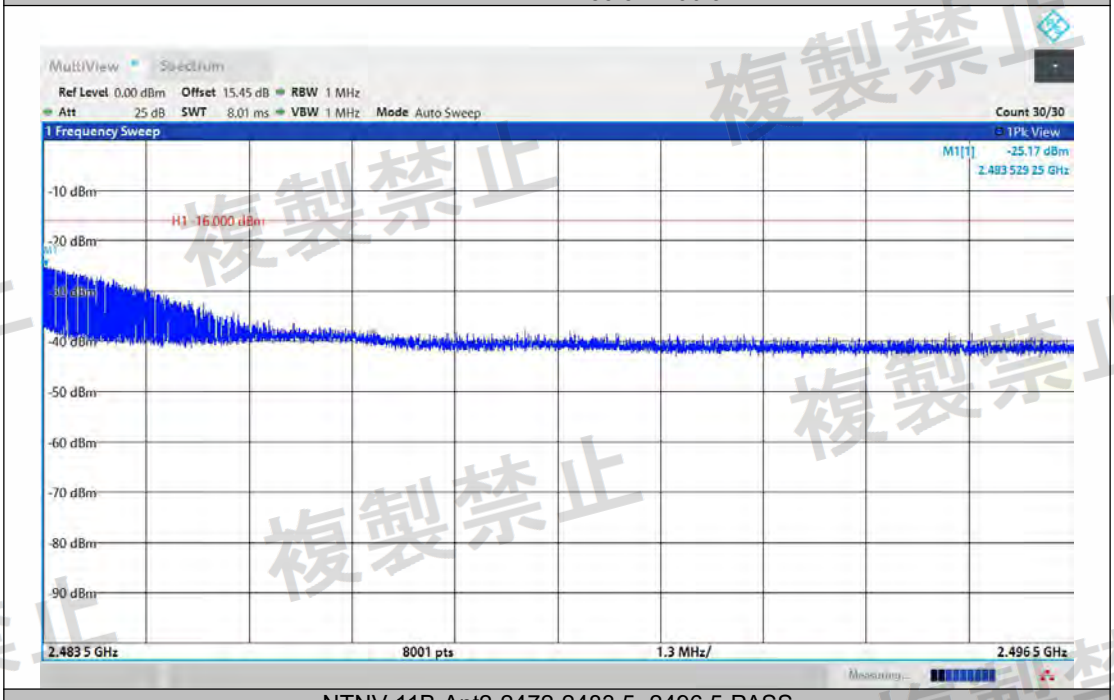
NTNV-11B-Ant1-2472-2387~2400-PASS



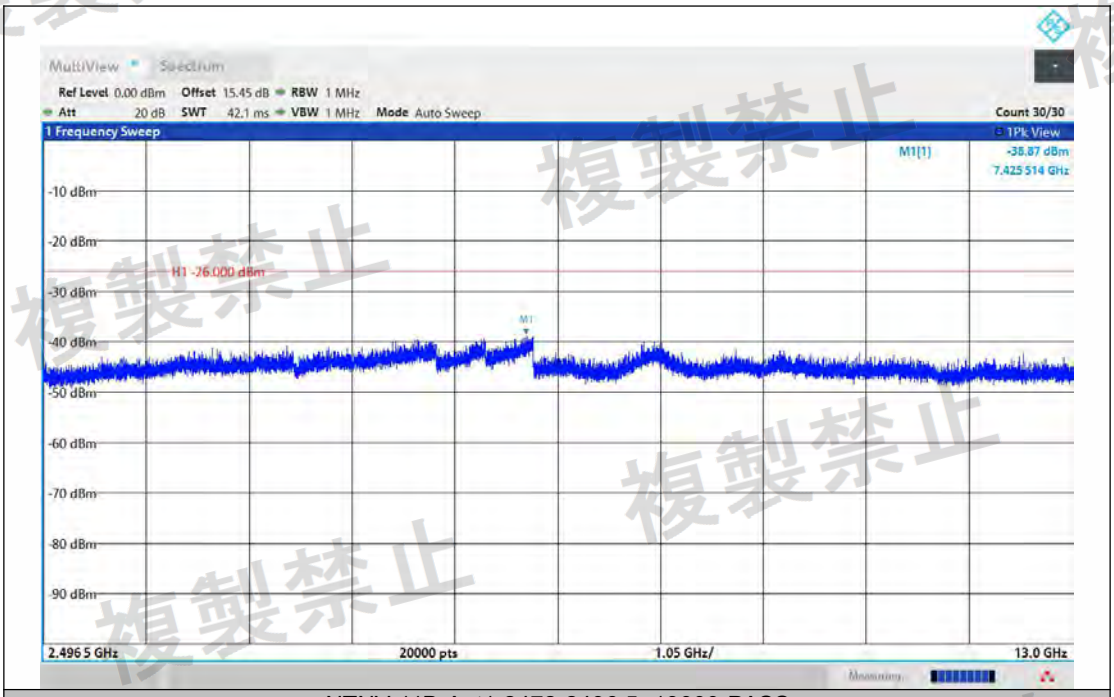
NTNV-11B-Ant2-2472-2387~2400-PASS



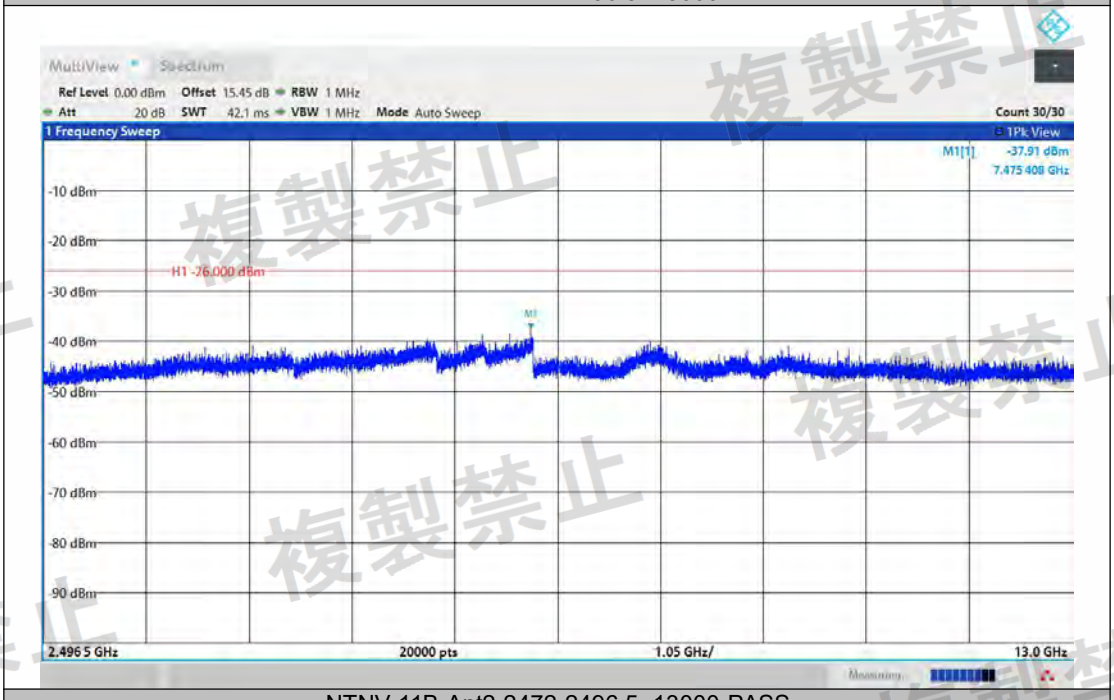
NTNV-11B-Ant1-2472-2483.5~2496.5-PASS



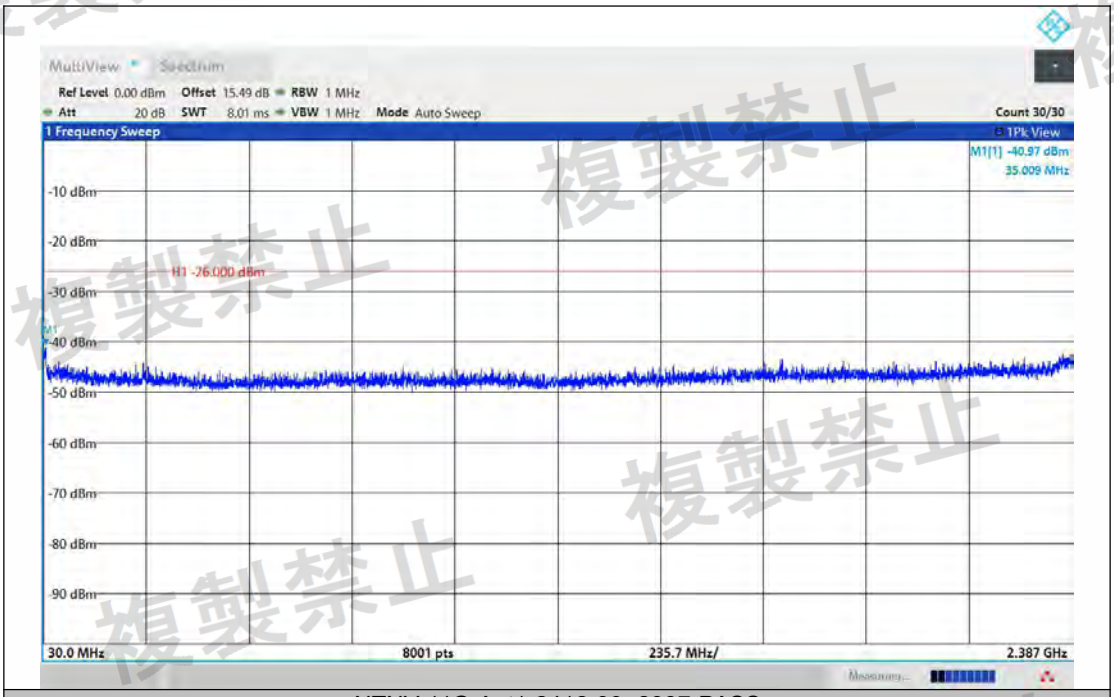
NTNV-11B-Ant2-2472-2483.5~2496.5-PASS



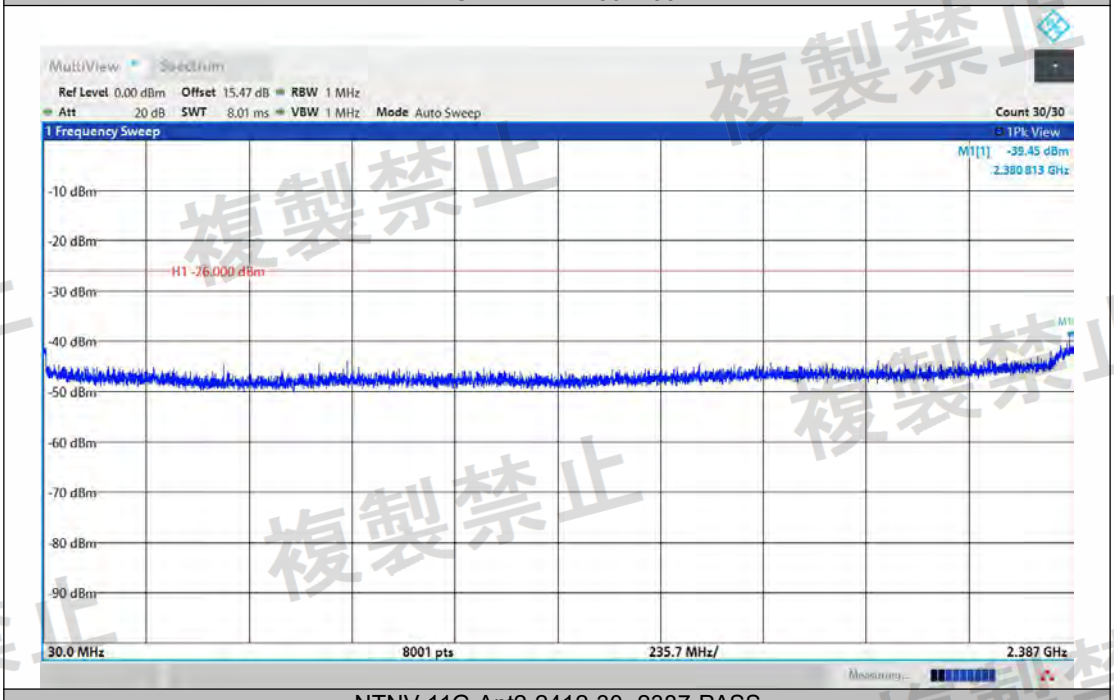
NTNV-11B-Ant1-2472-2496.5~13000-PASS



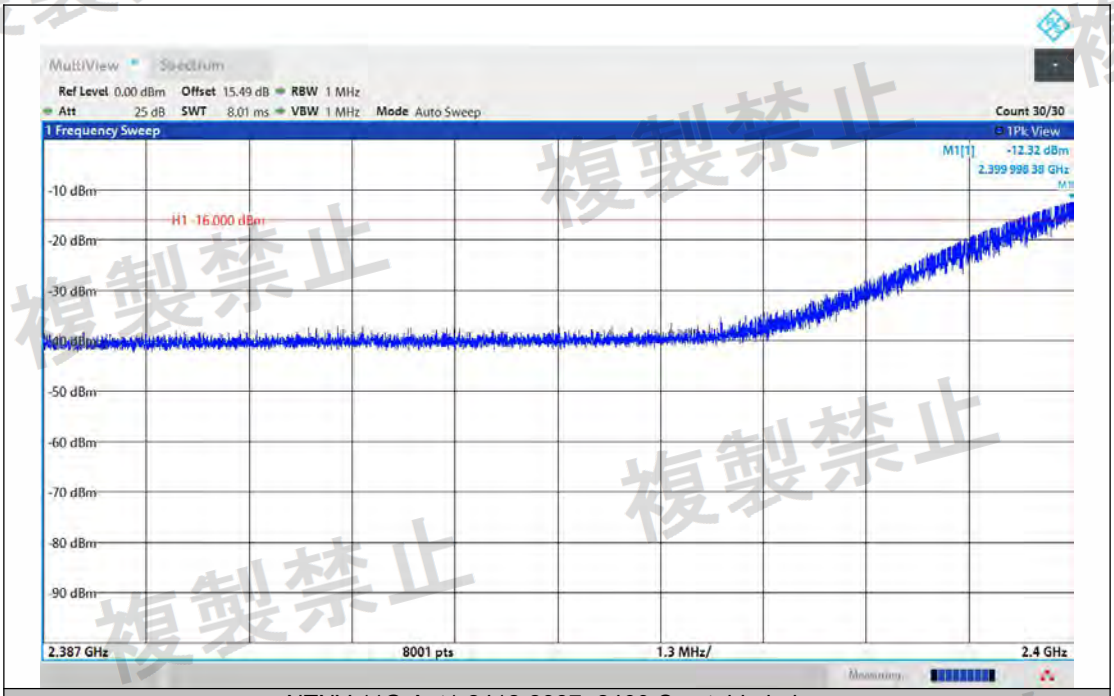
NTNV-11B-Ant2-2472-2496.5~13000-PASS



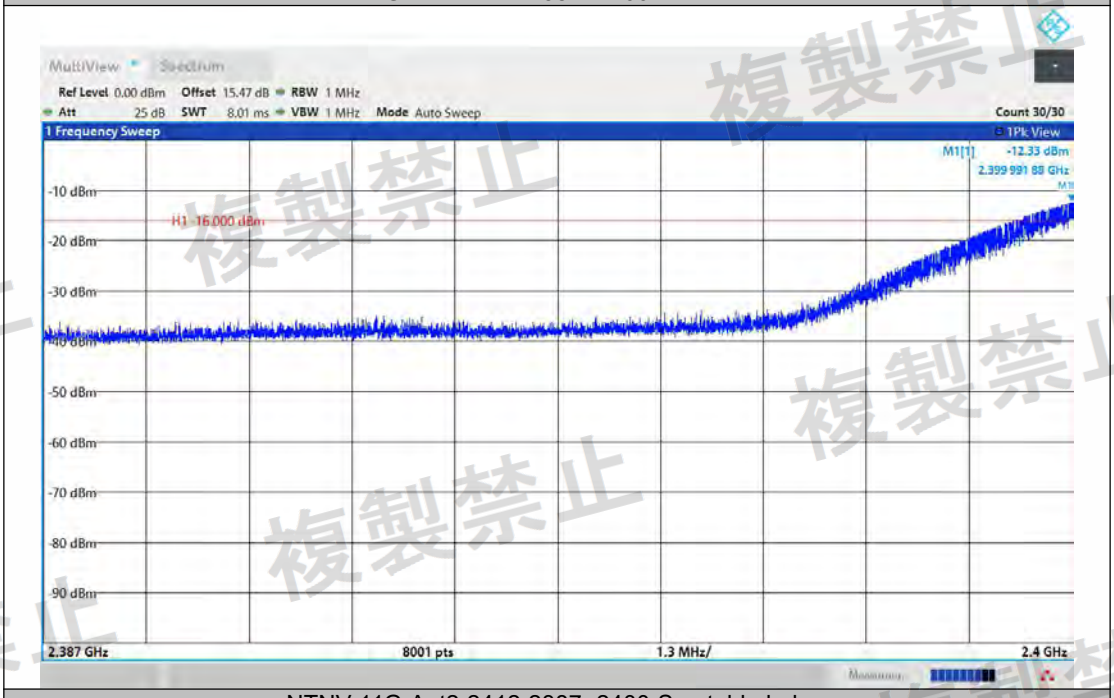
NTNV-11G-Ant1-2412-30~2387-PASS



NTNV-11G-Ant2-2412-30~2387-PASS

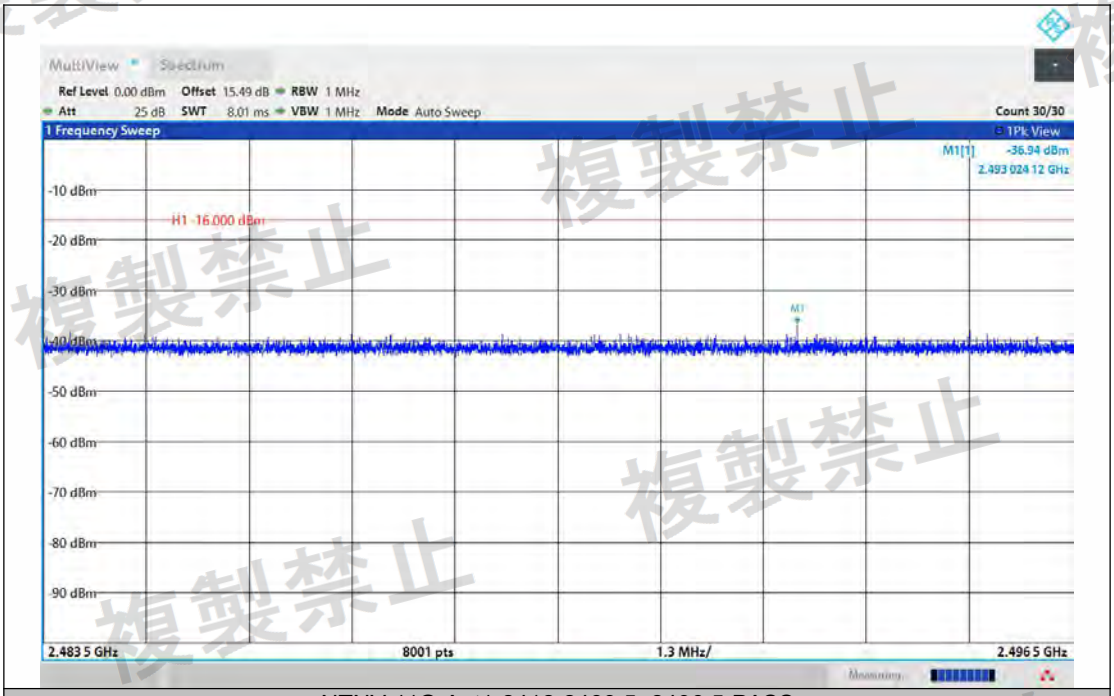


NTNV-11G-Ant1-2412-2387~2400-See table below

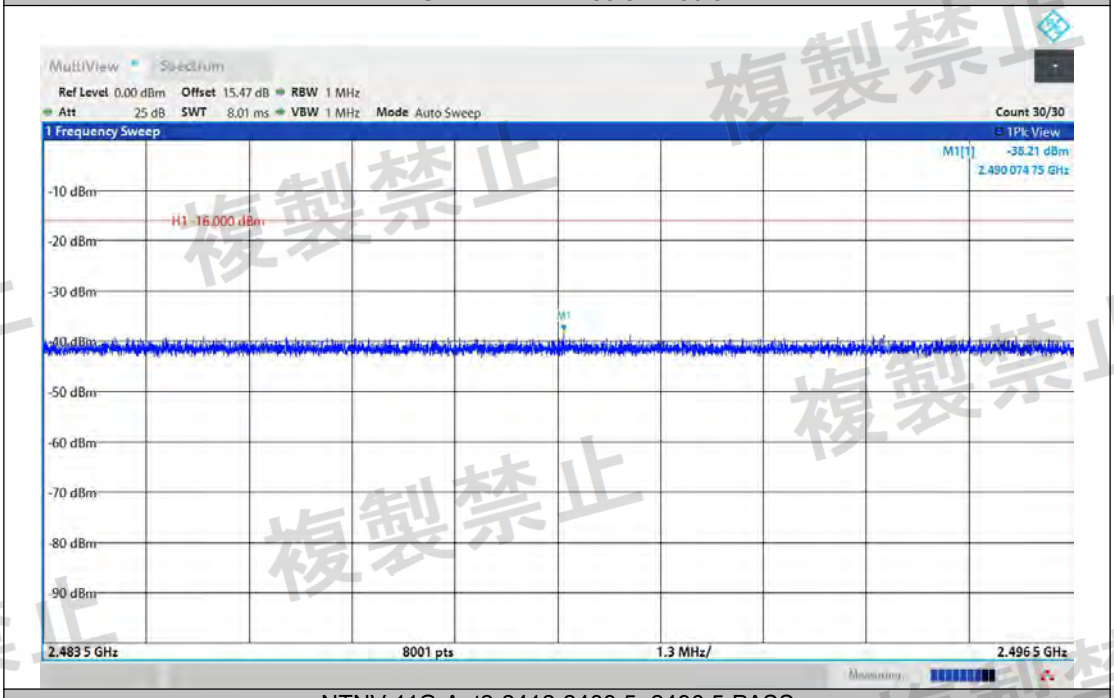


NTNV-11G-Ant2-2412-2387~2400-See table below

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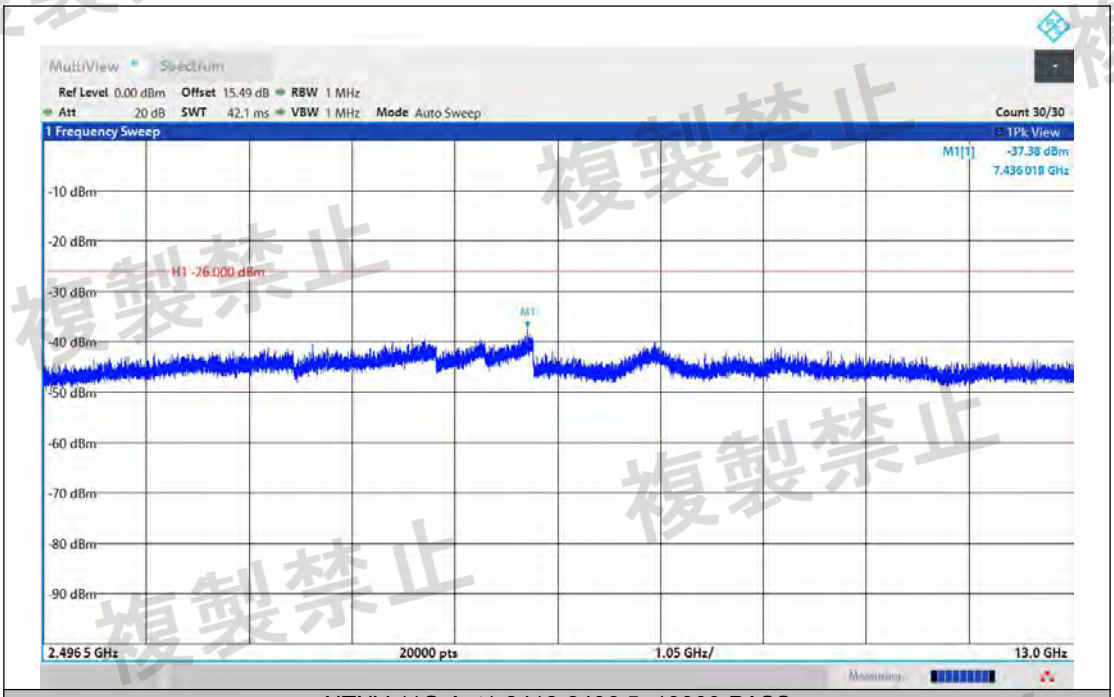


NTNV-11G-Ant1-2412-2483.5~2496.5-PASS

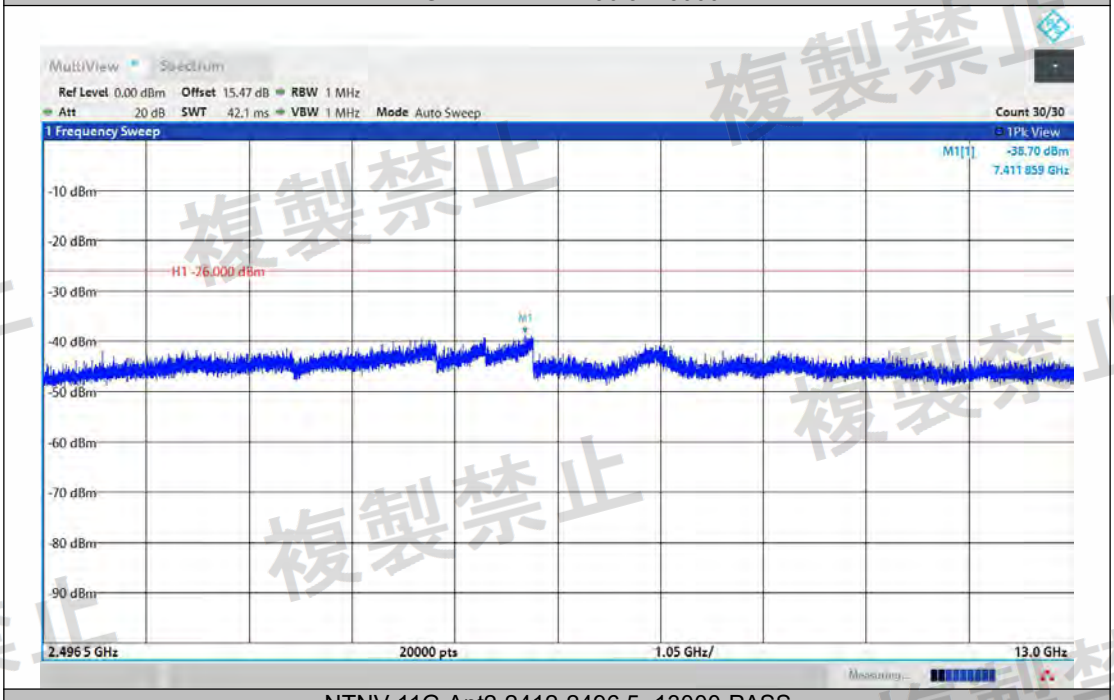


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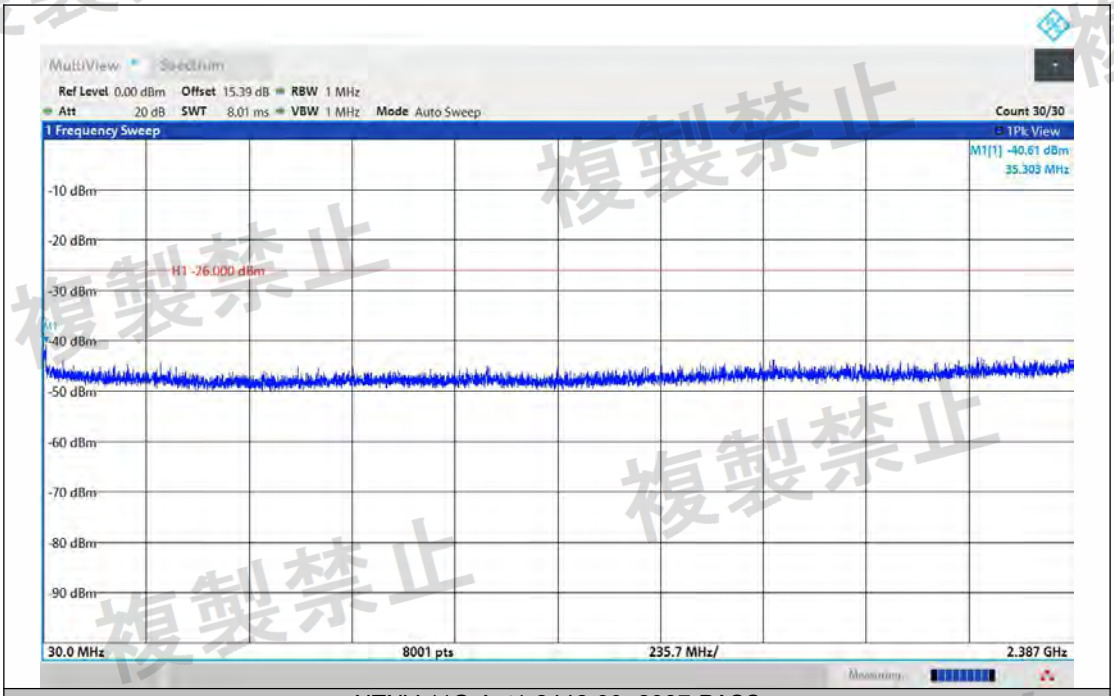
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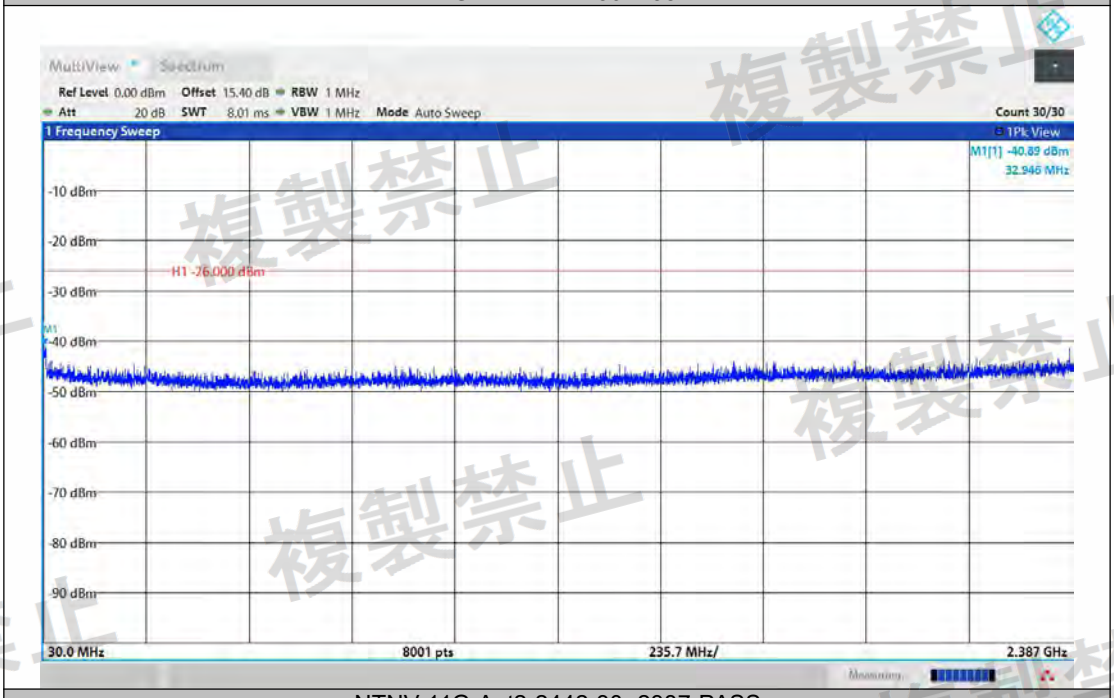
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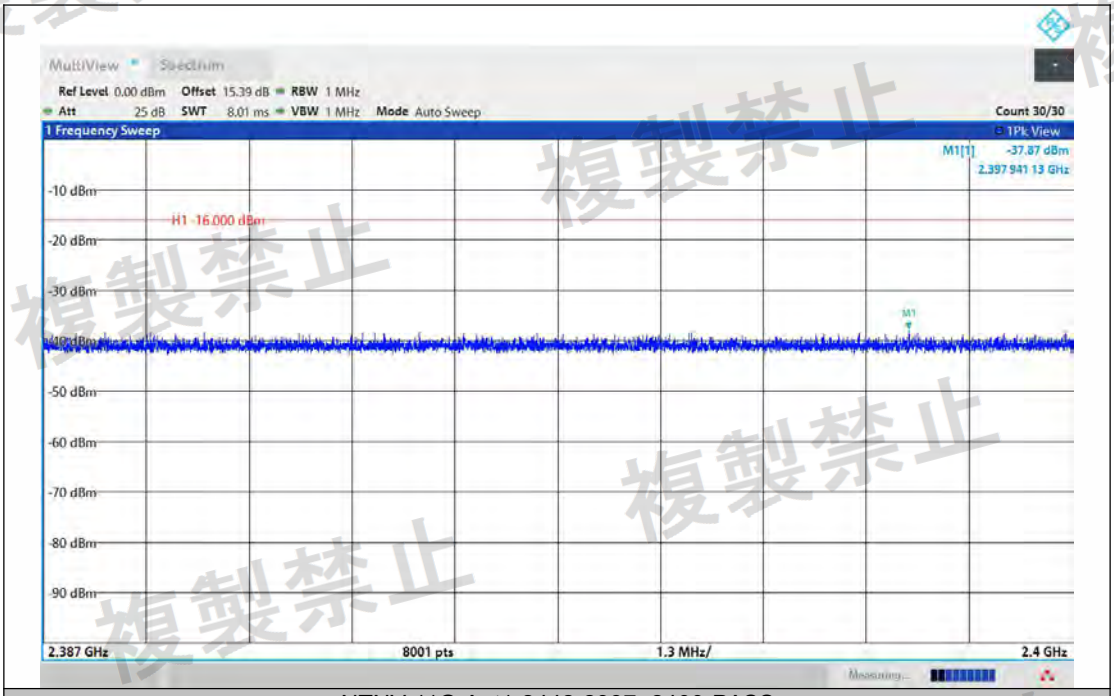
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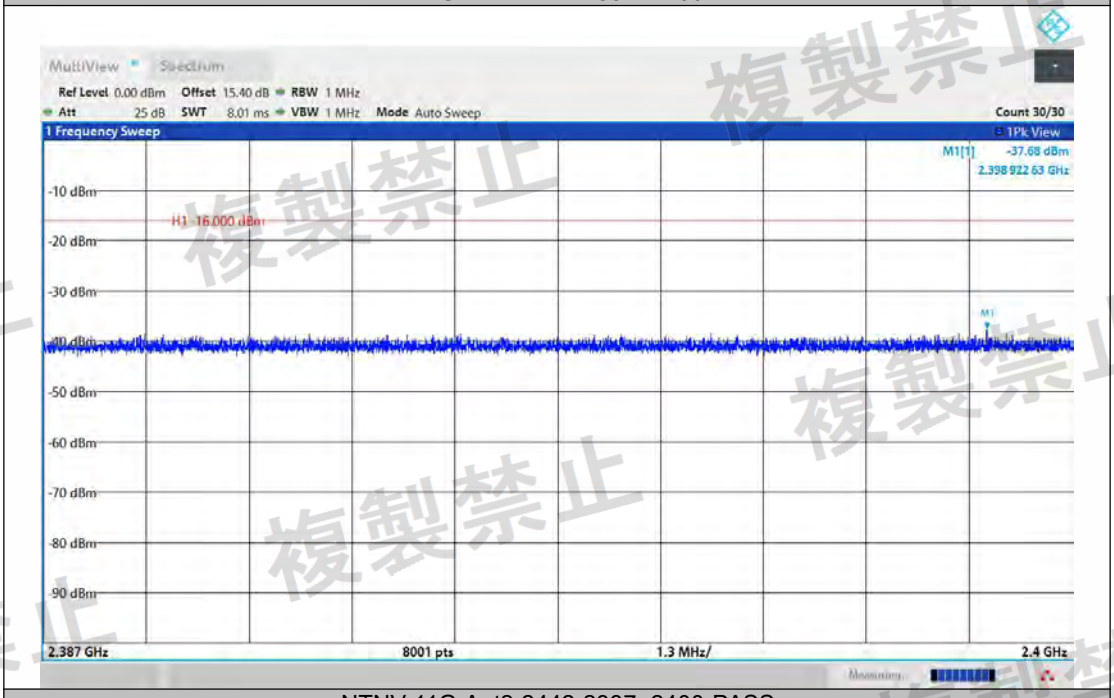
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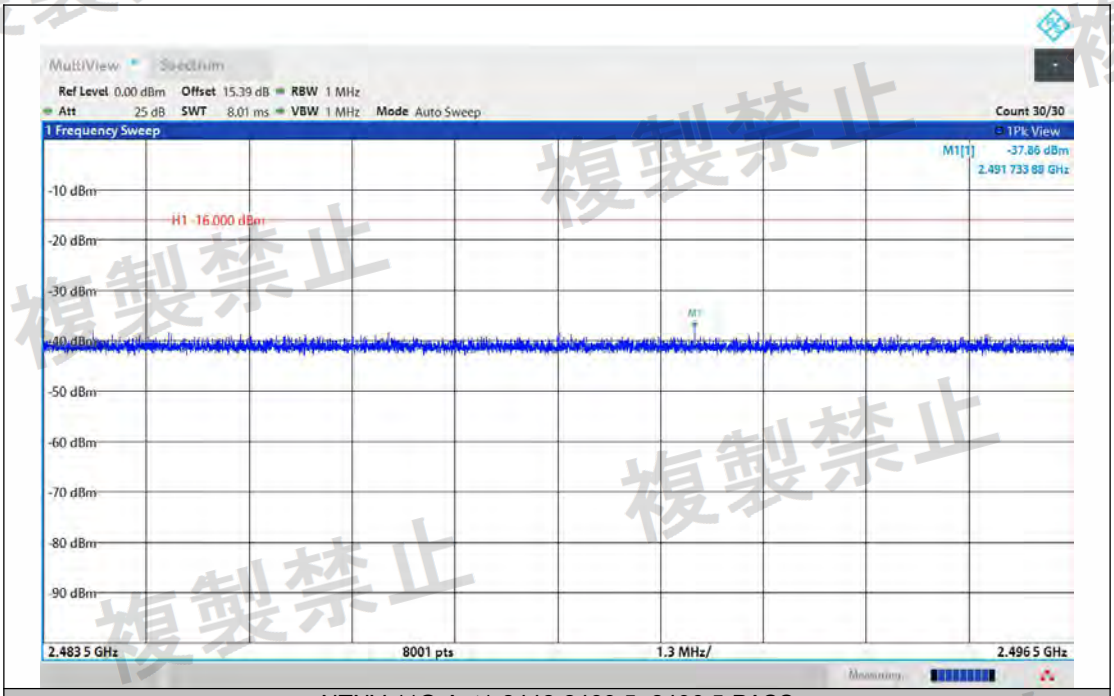
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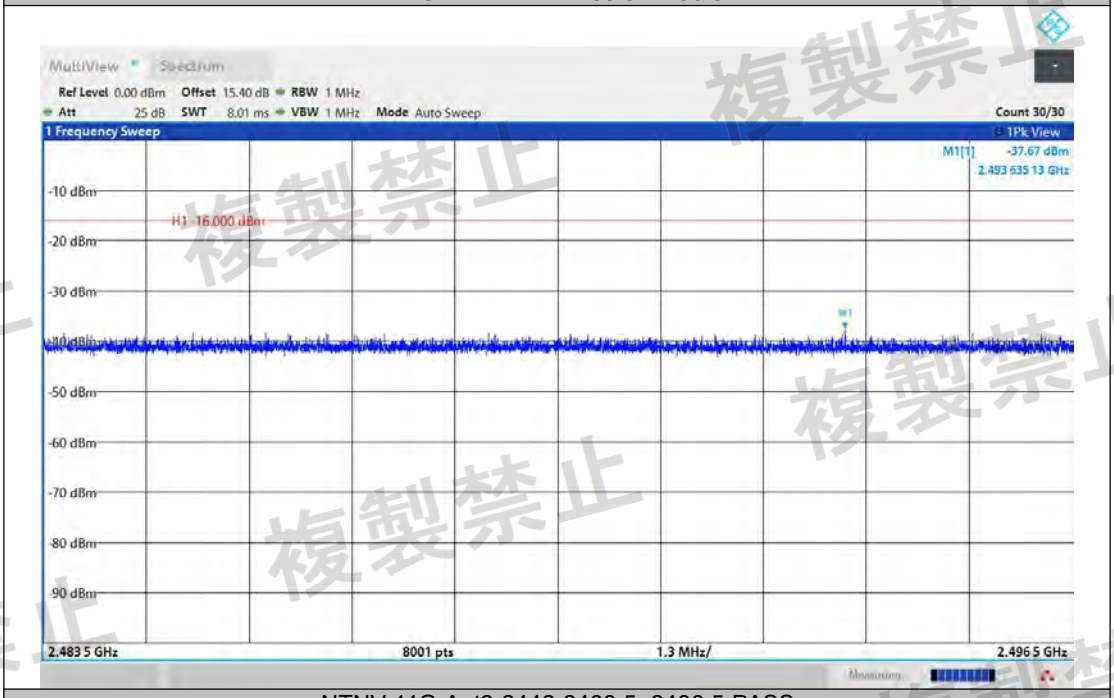
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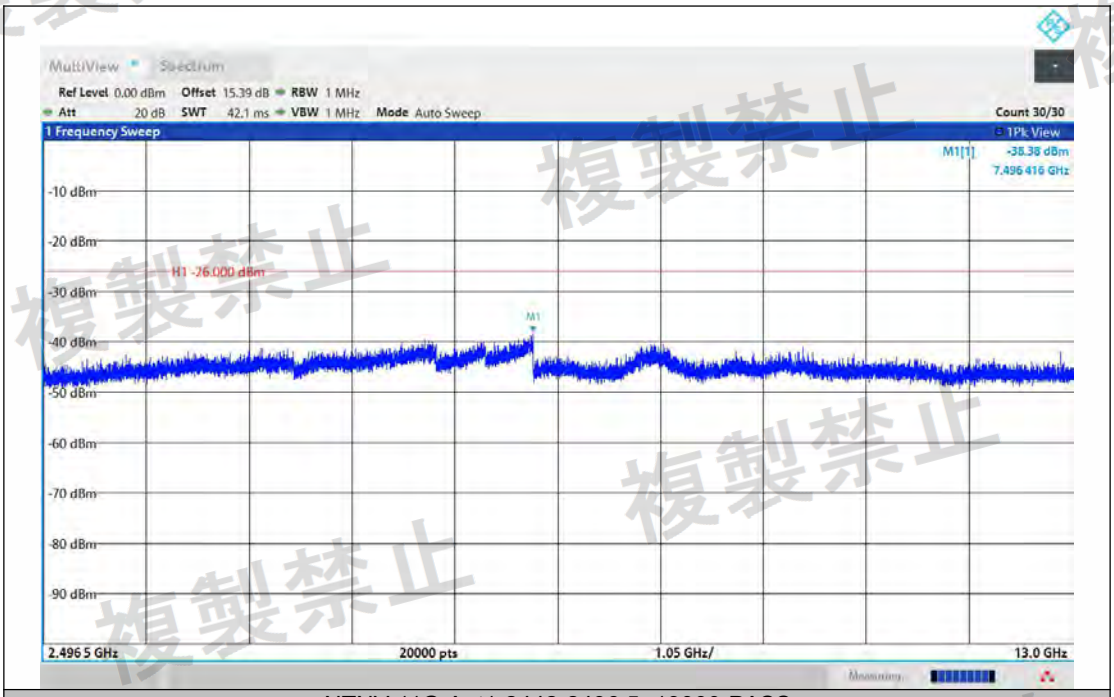
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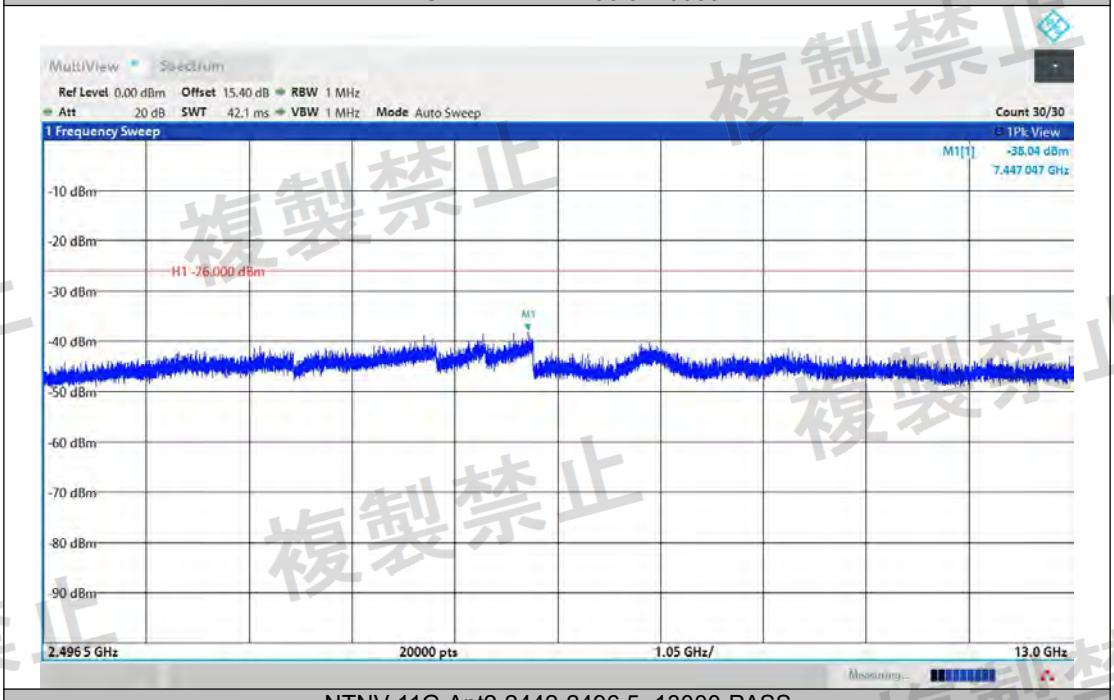
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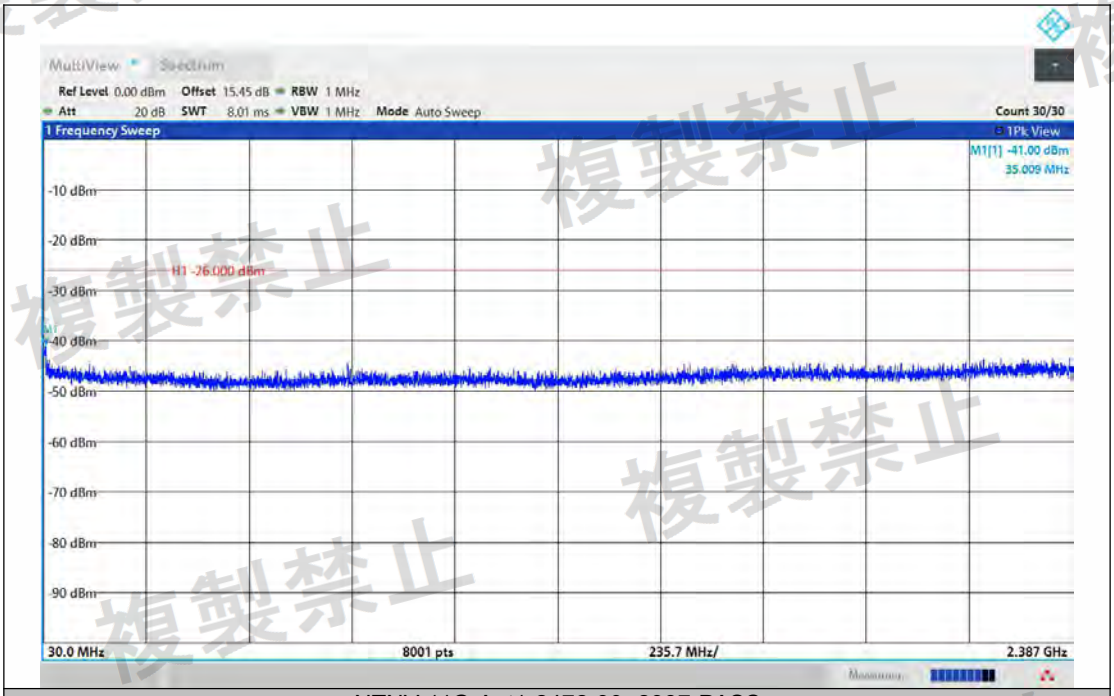
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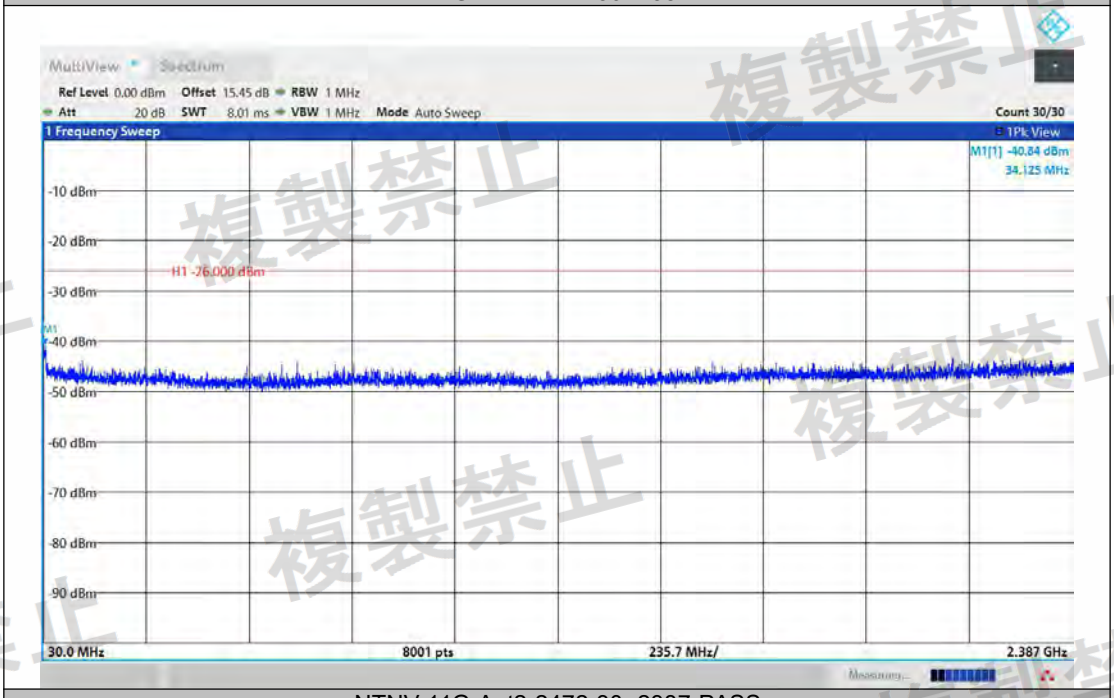
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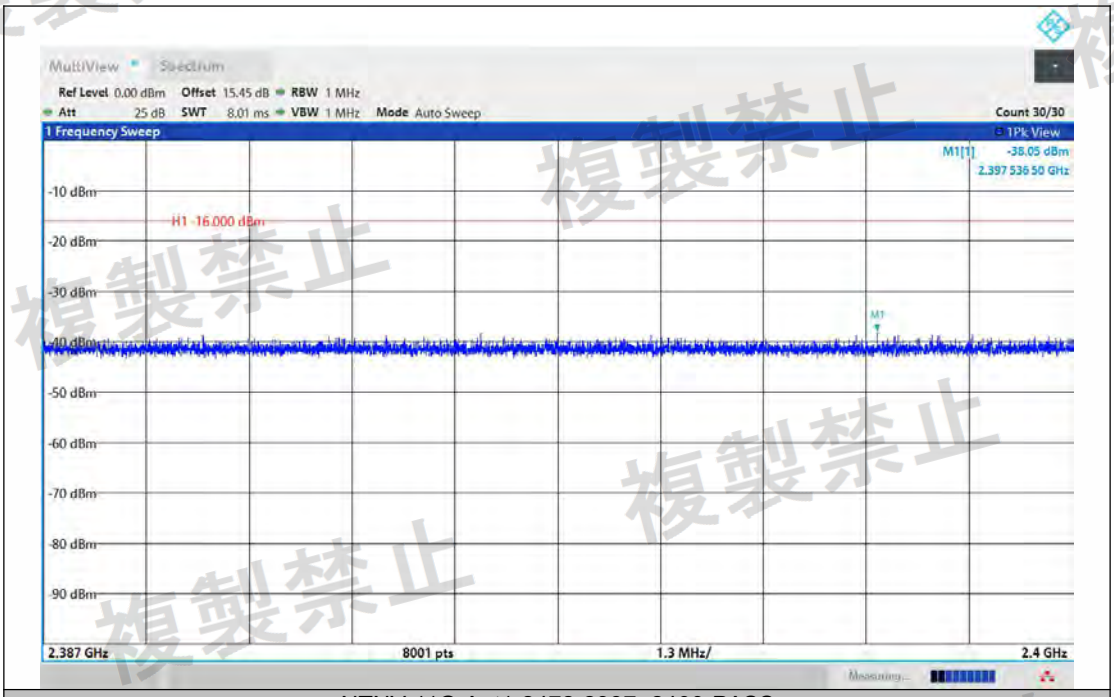
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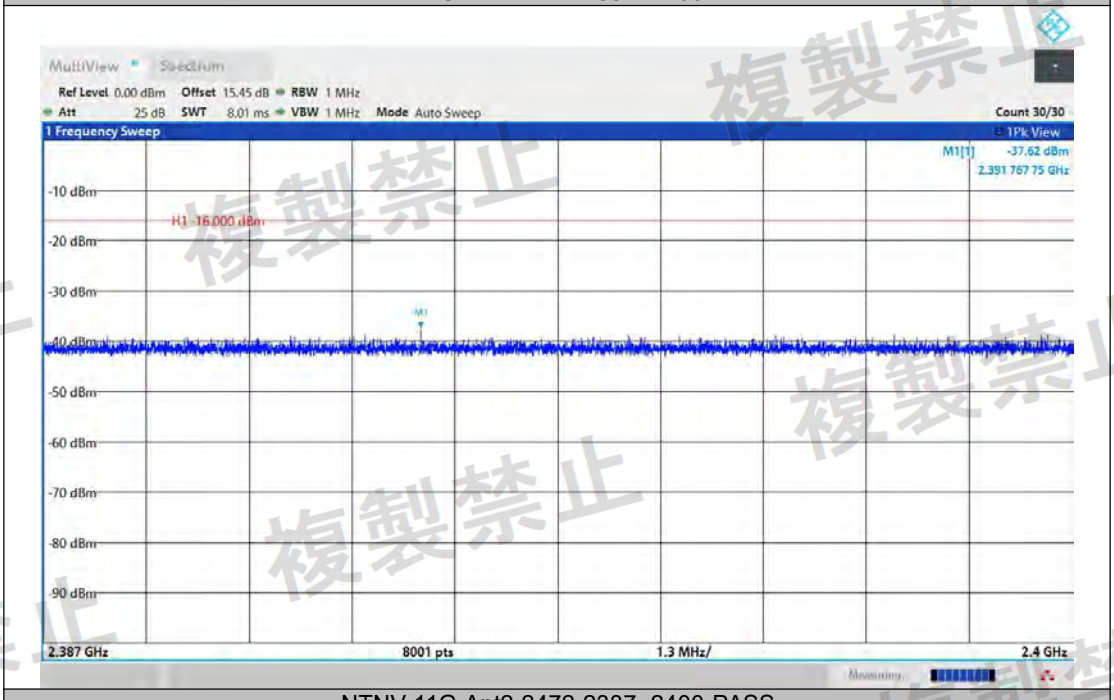
NTNV-11G-Ant1-2472-30~2387-PASS



NTNV-11G-Ant2-2472-30~2387-PASS

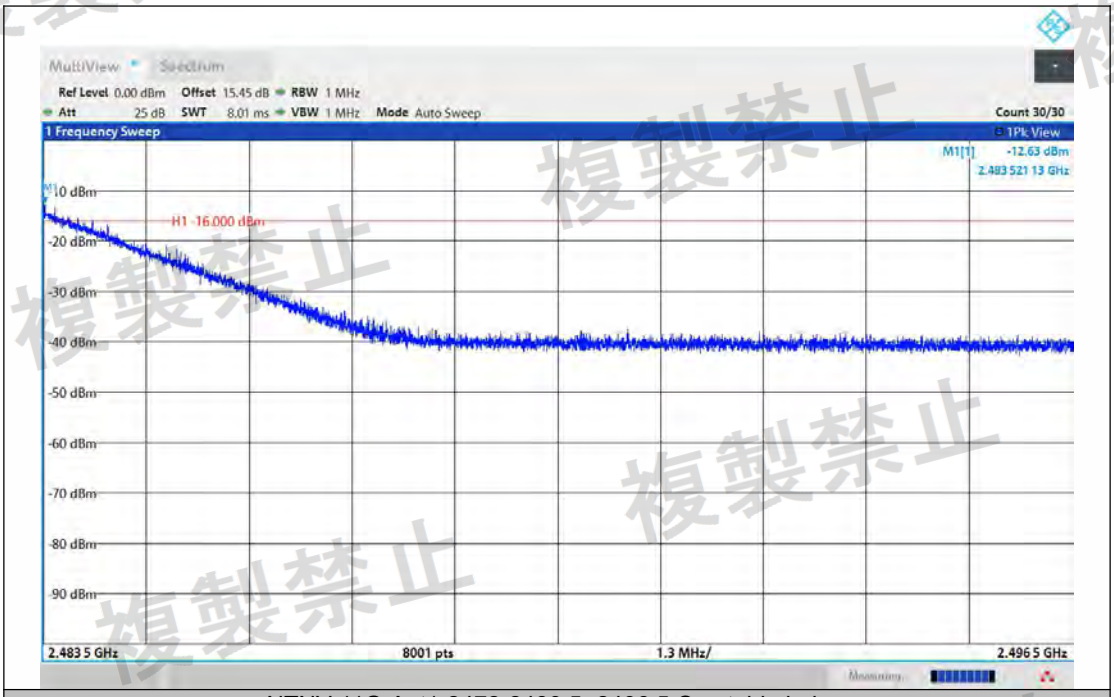


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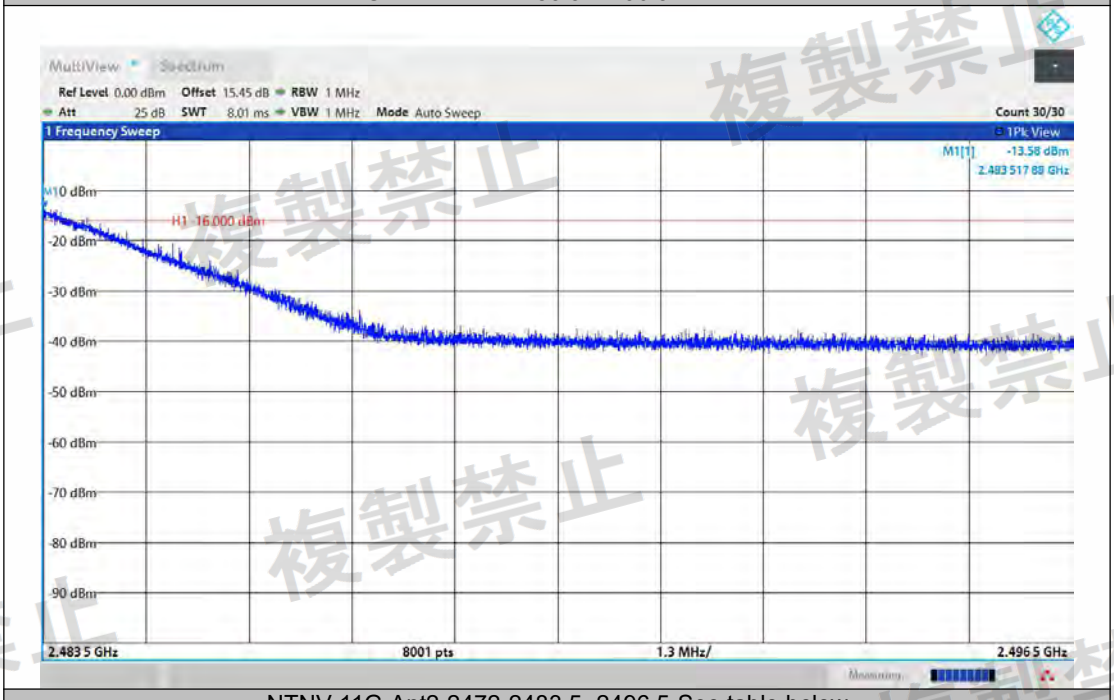


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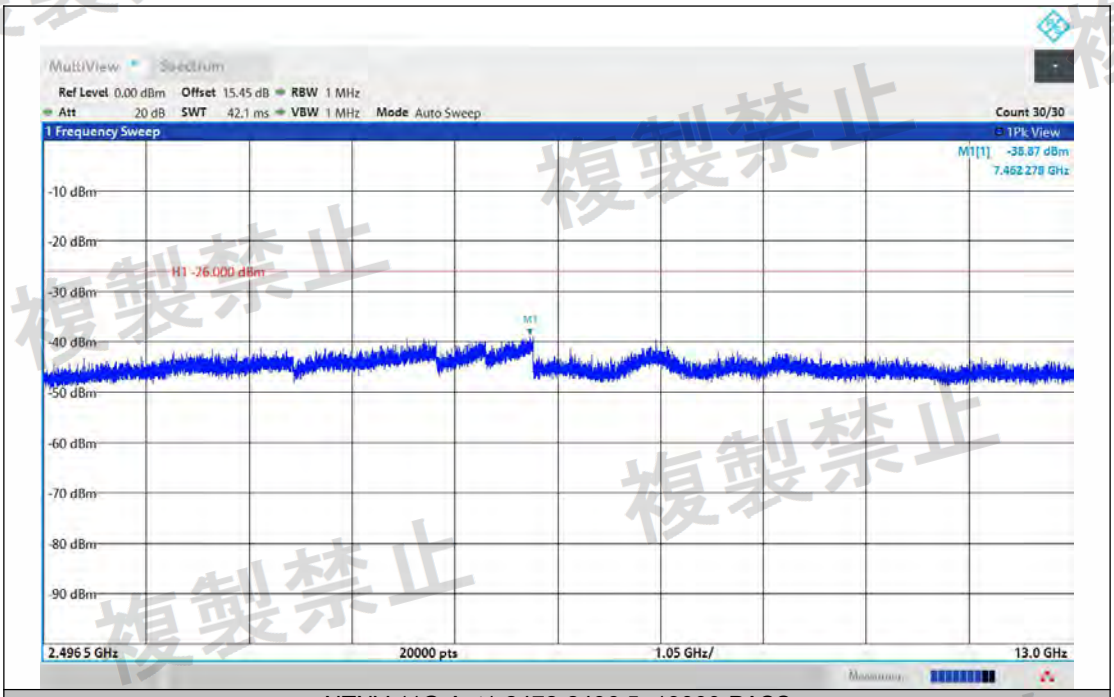
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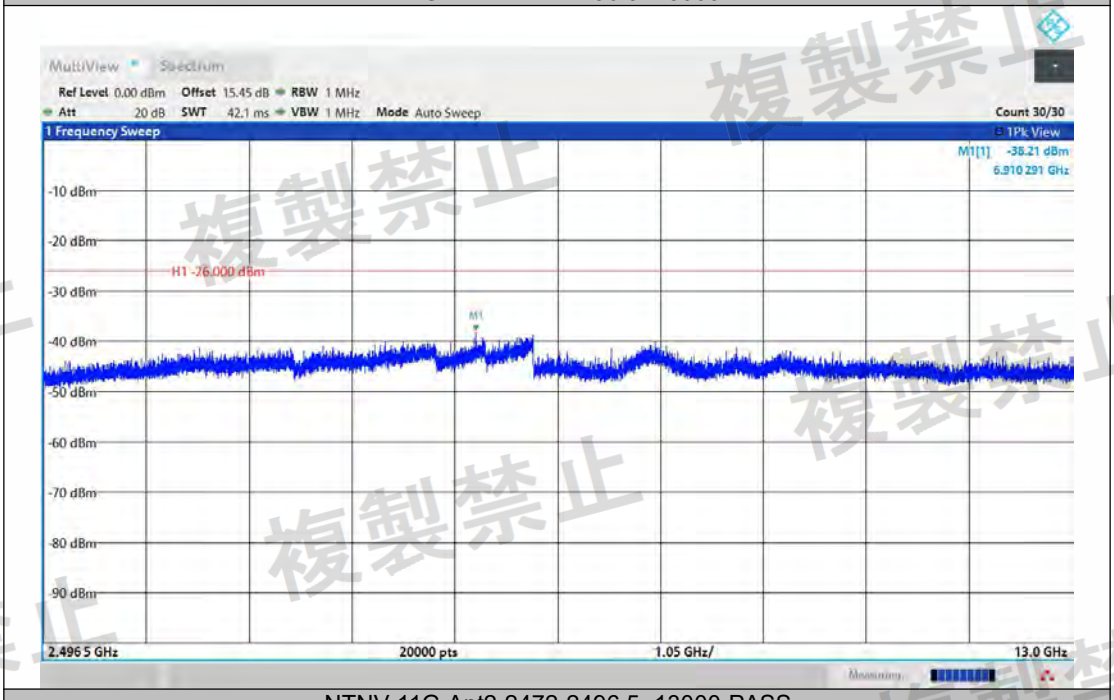
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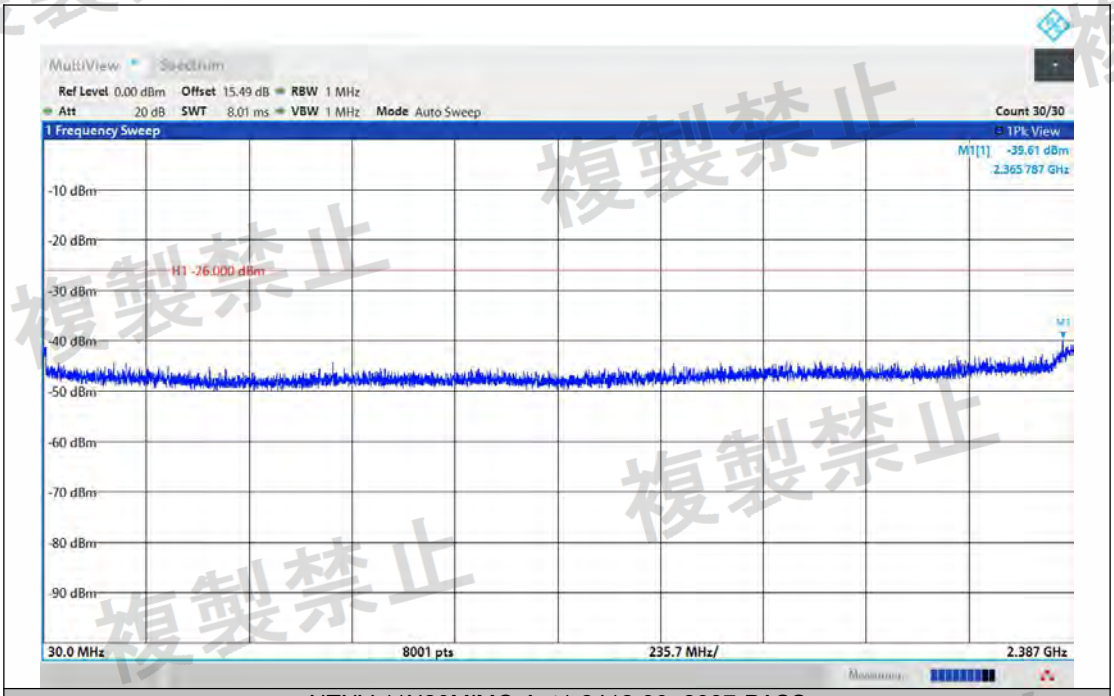
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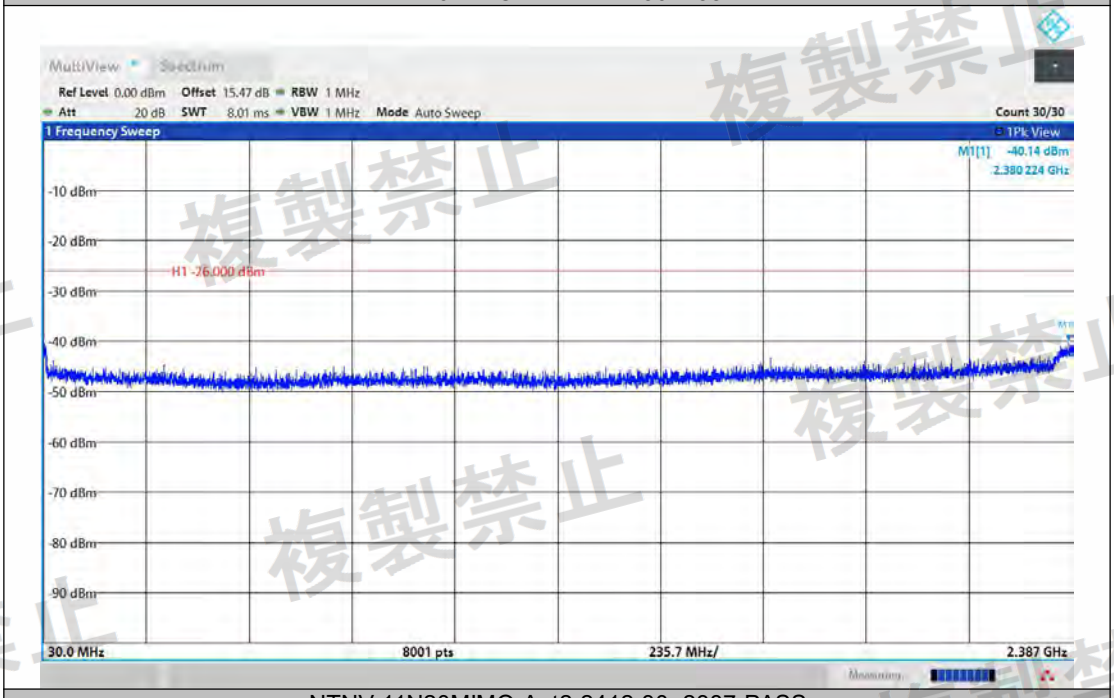
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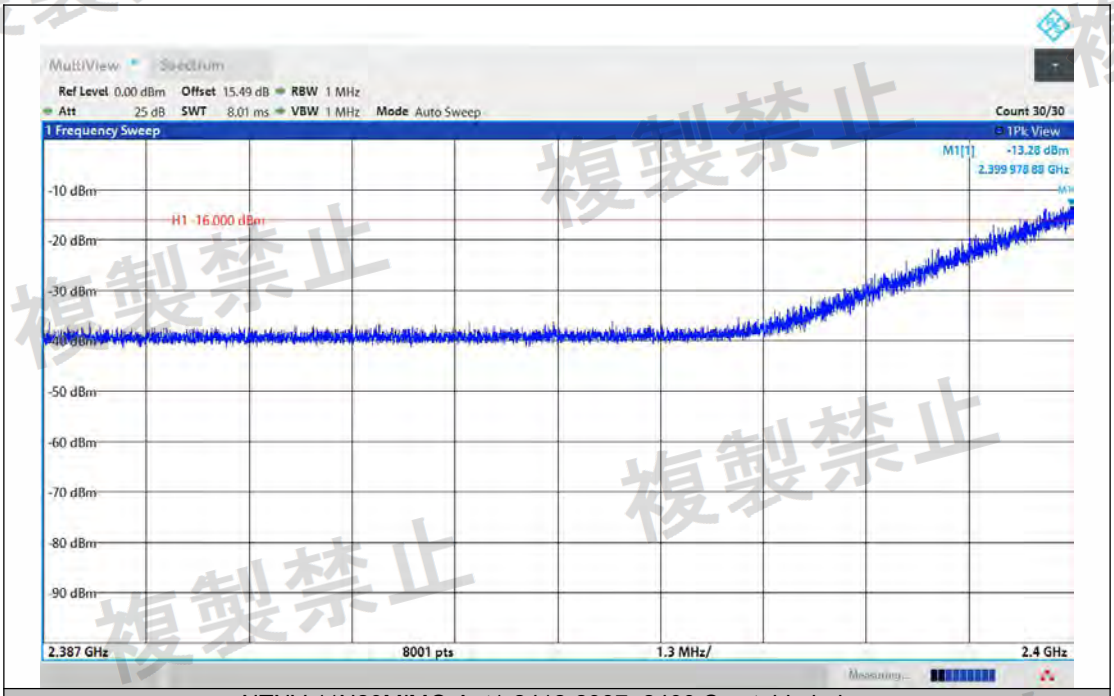
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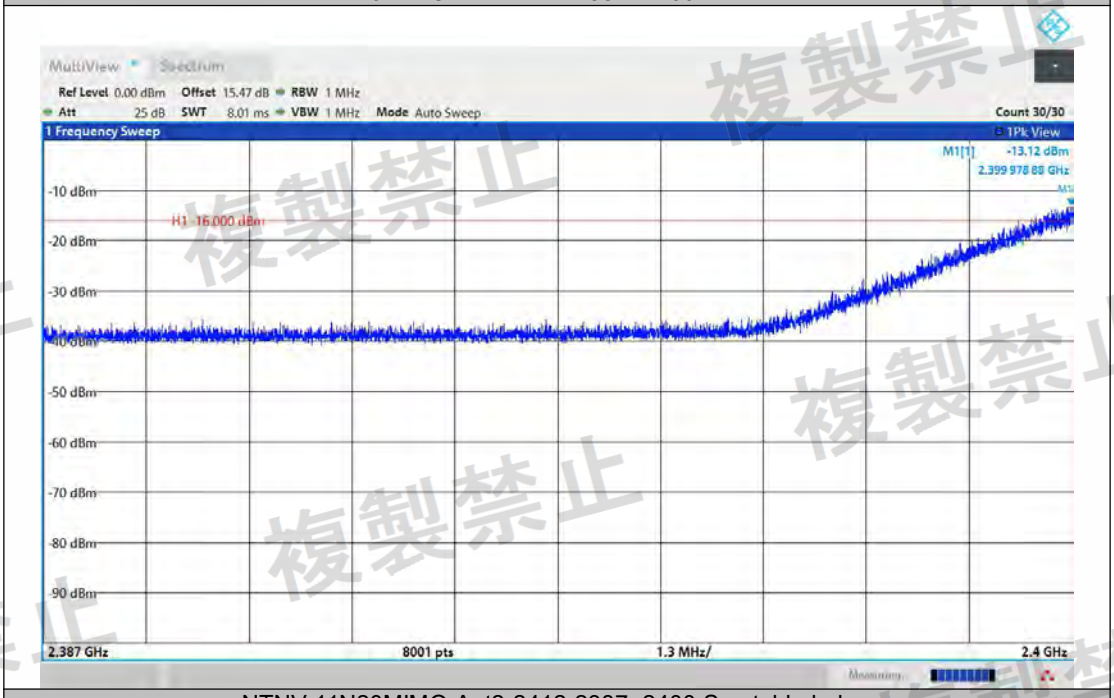
NTNV-11N20MIMO-Ant1-2412-30~2387-PASS



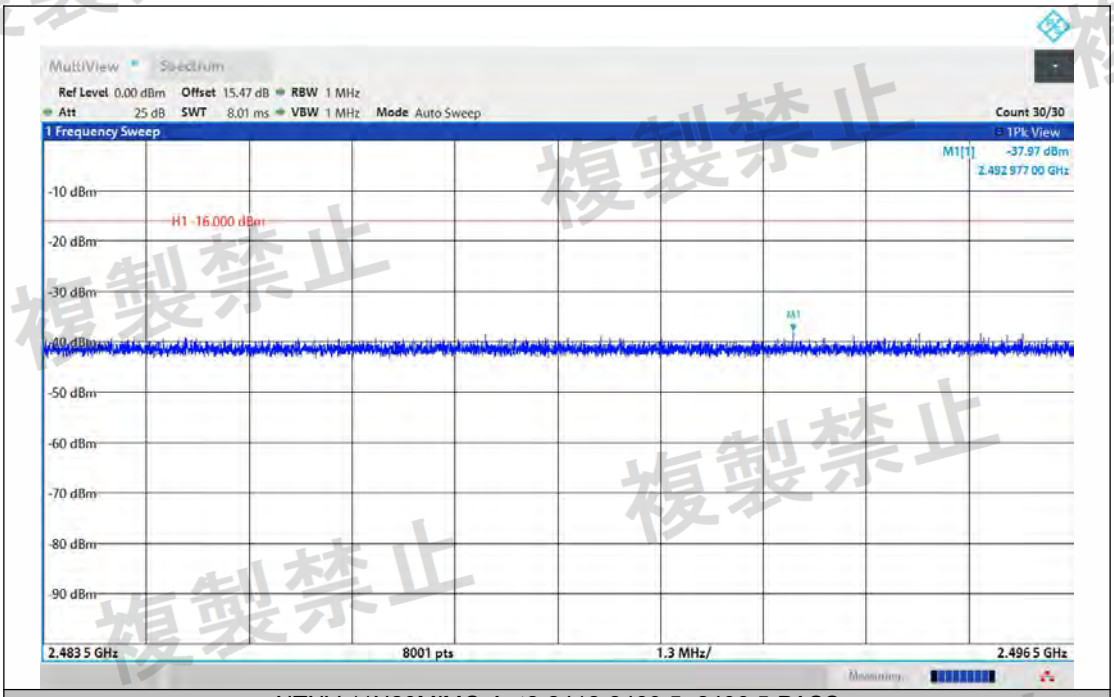
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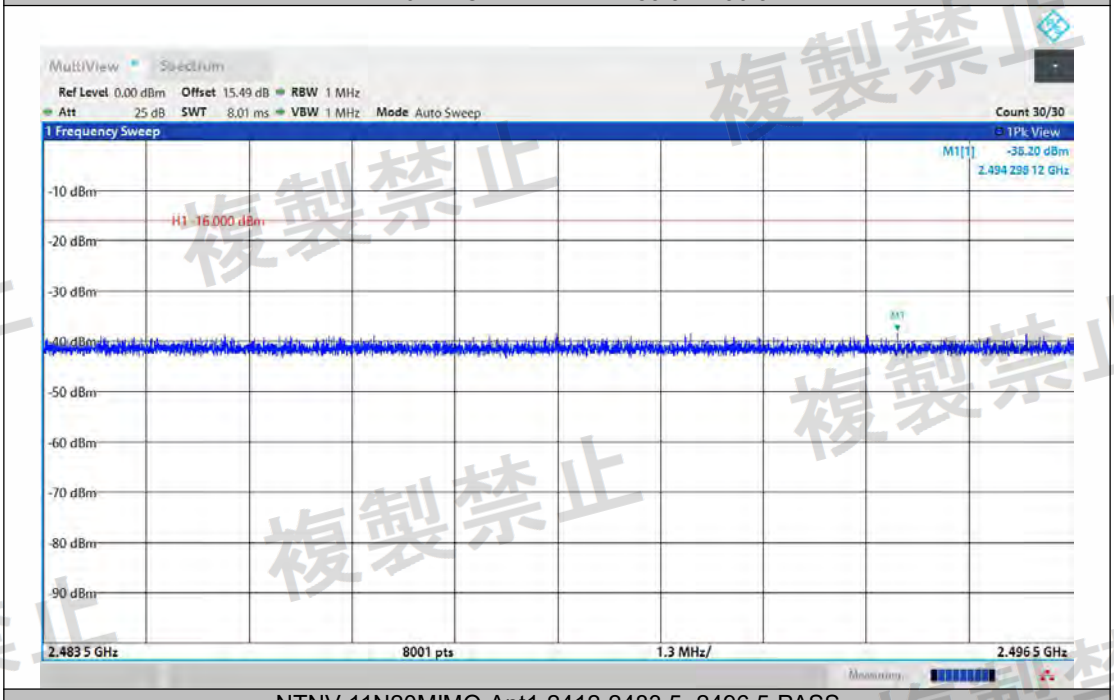
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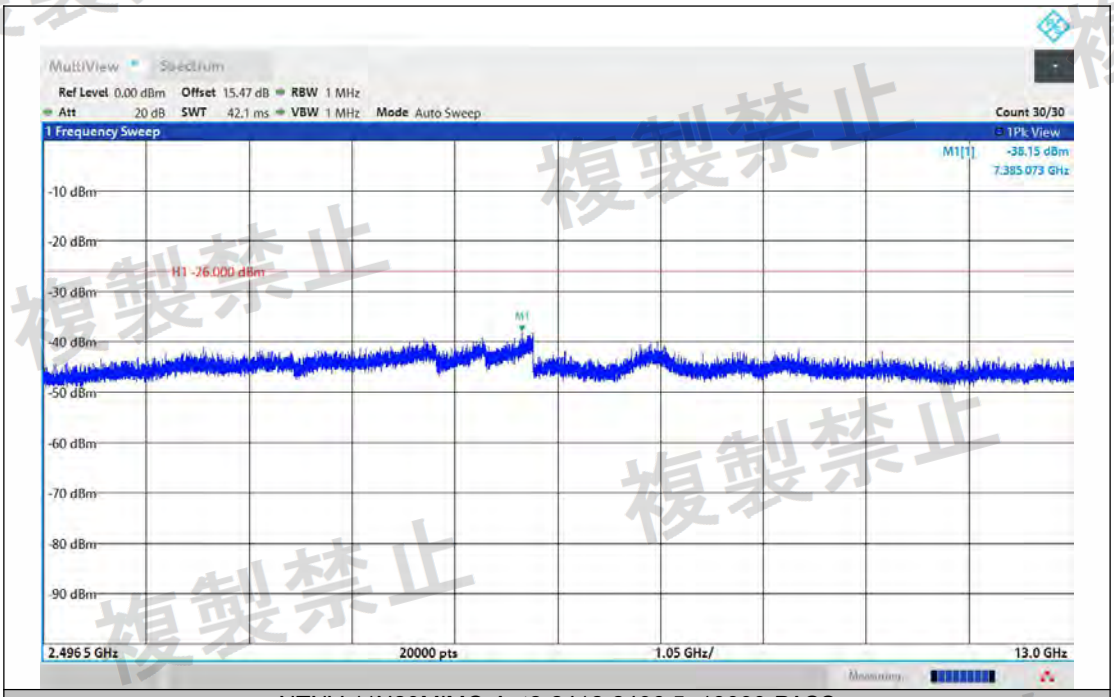
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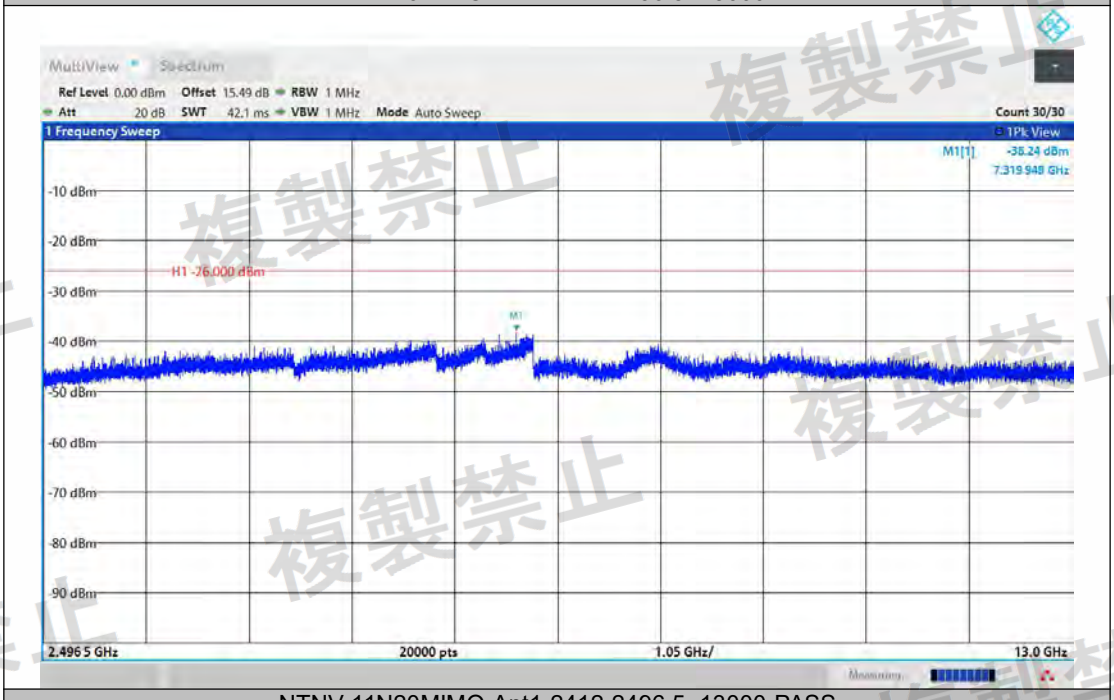
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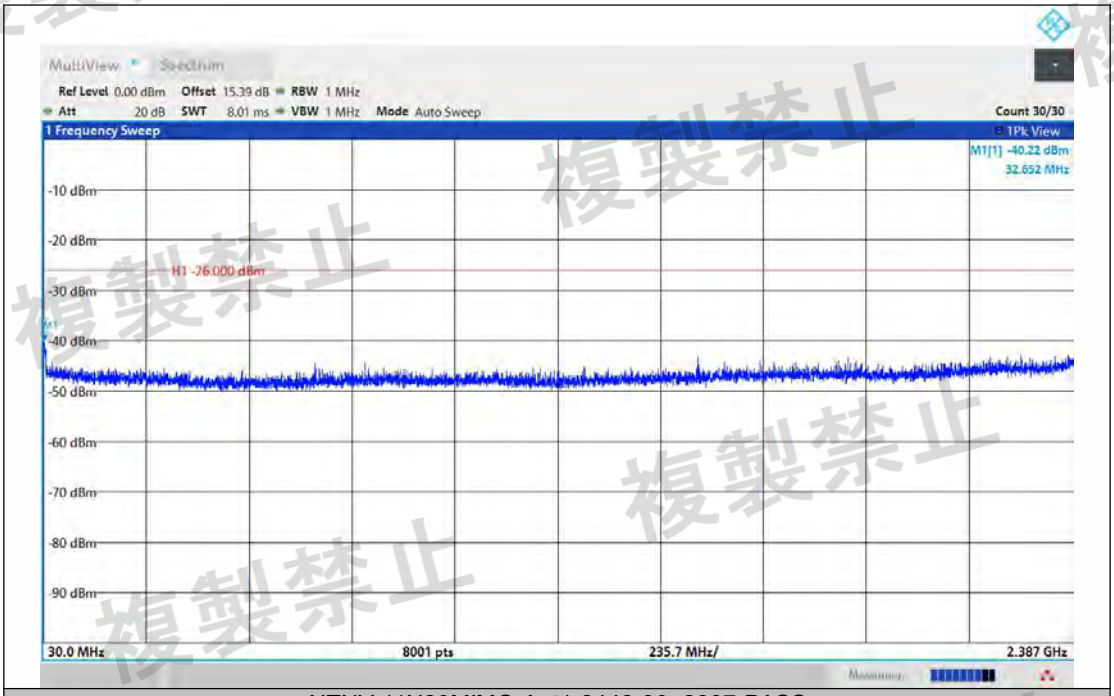
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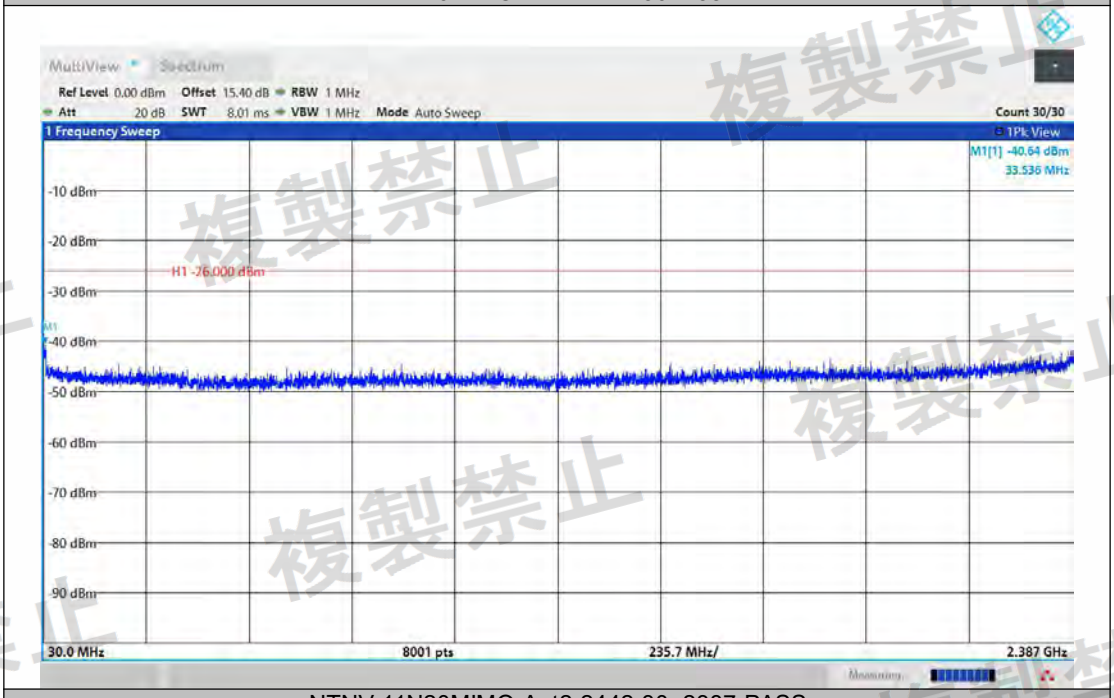
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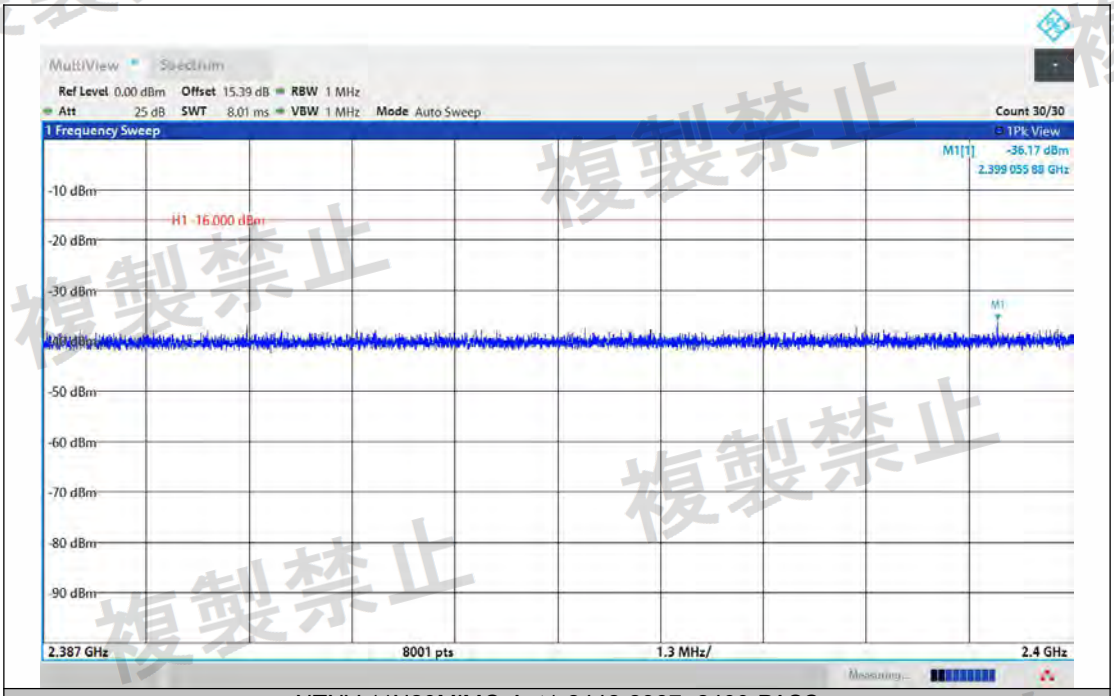
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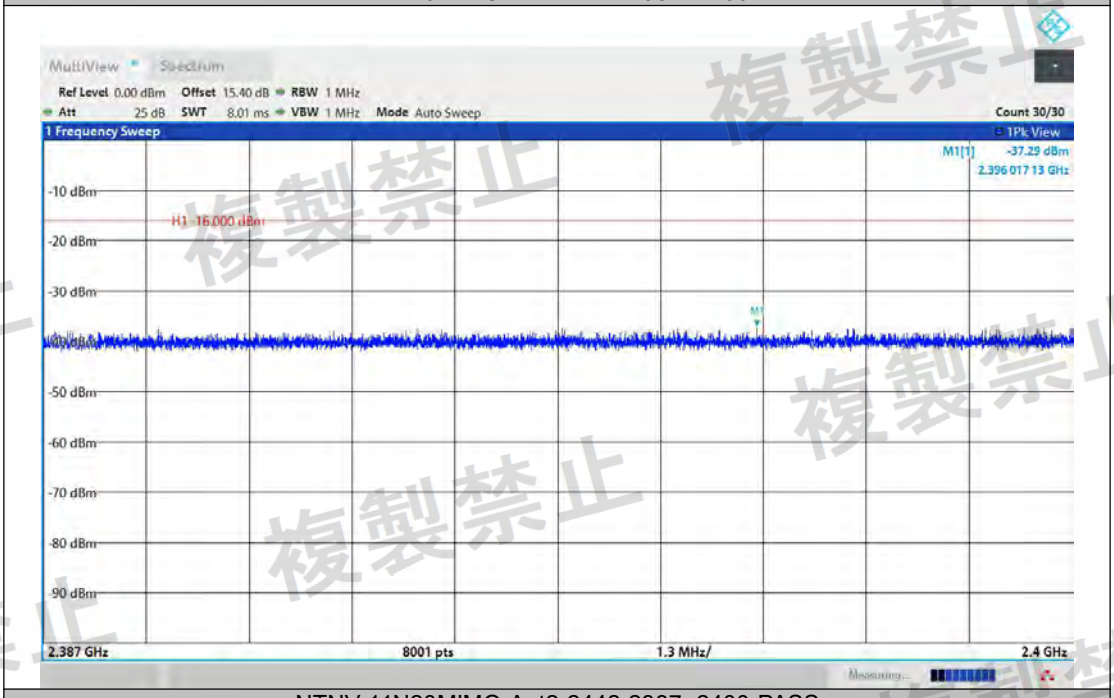
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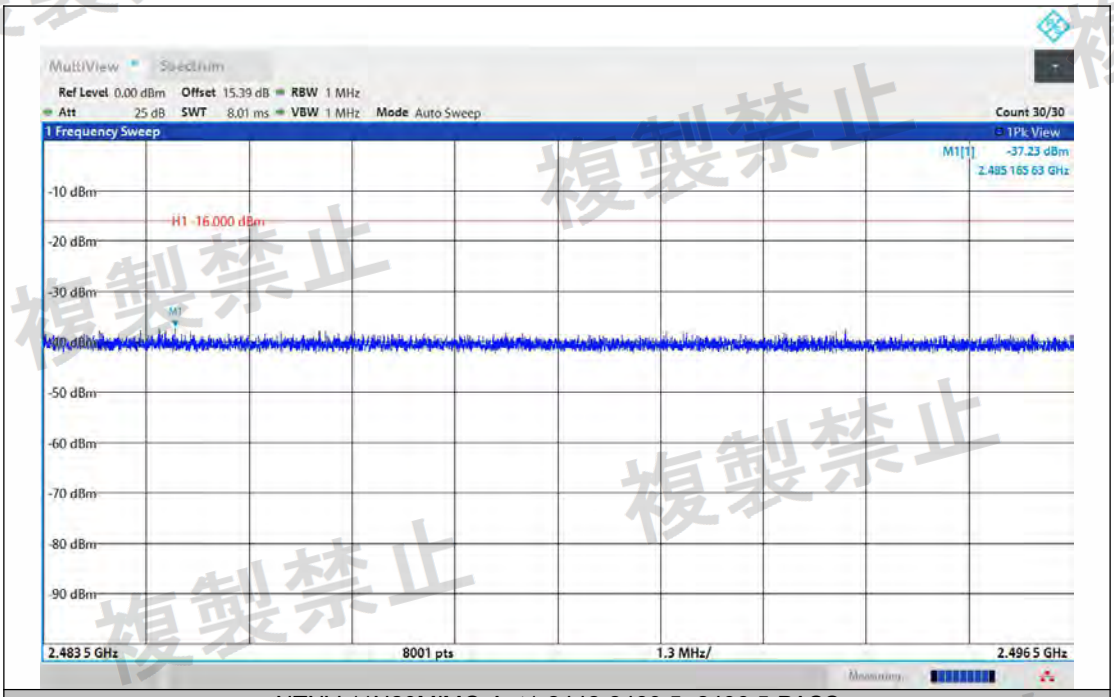
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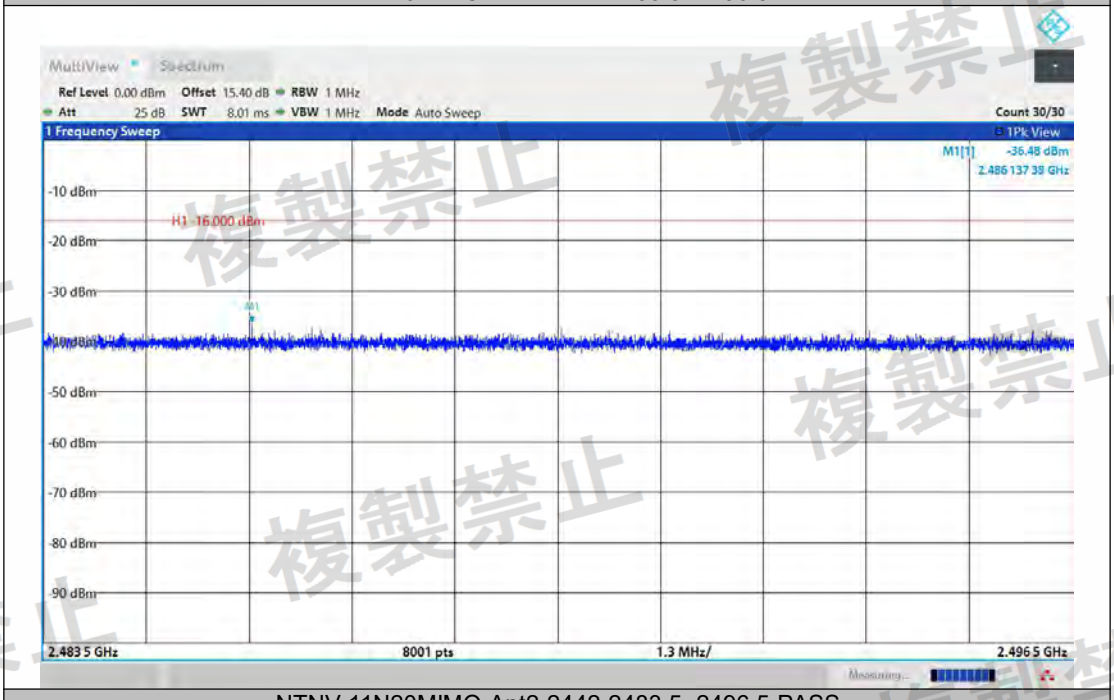
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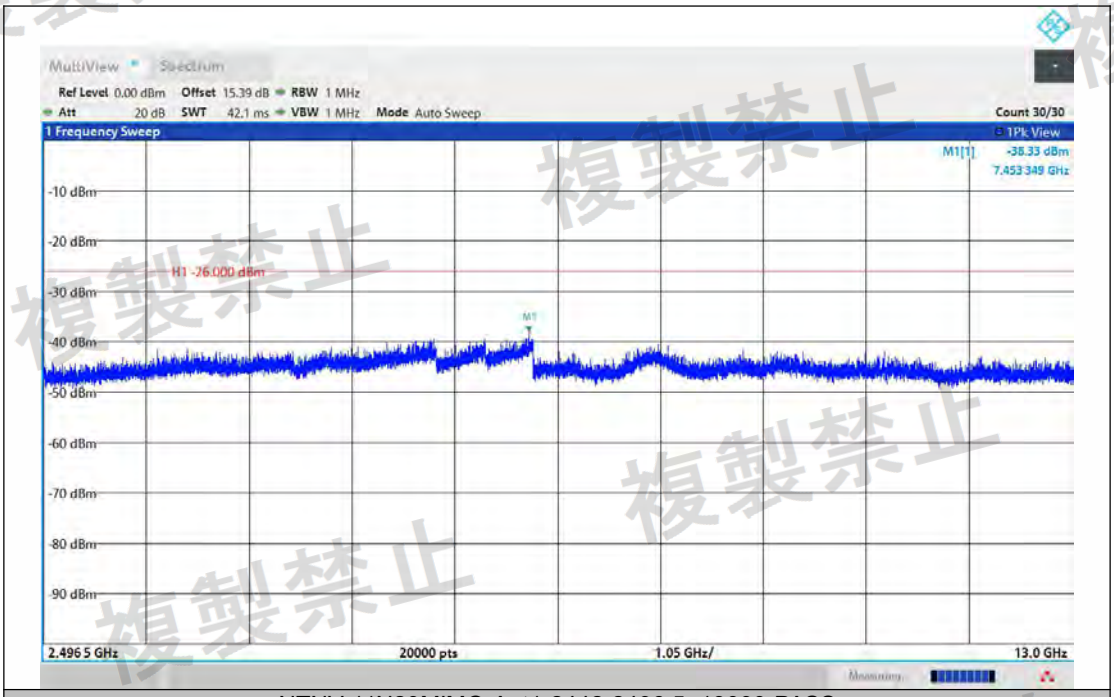
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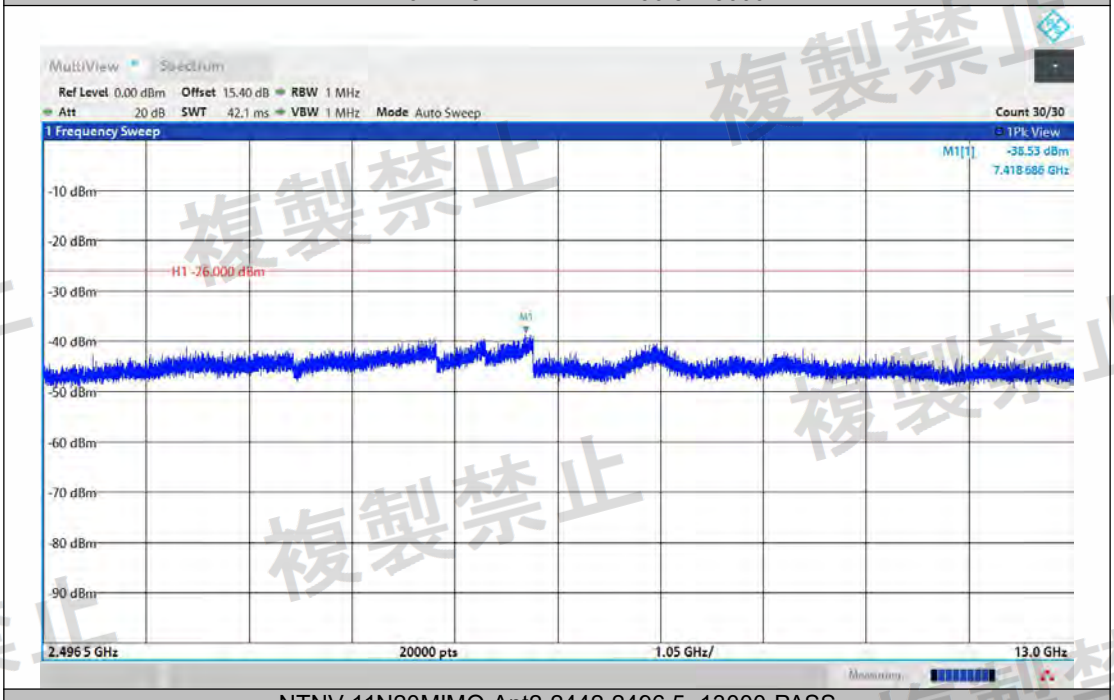
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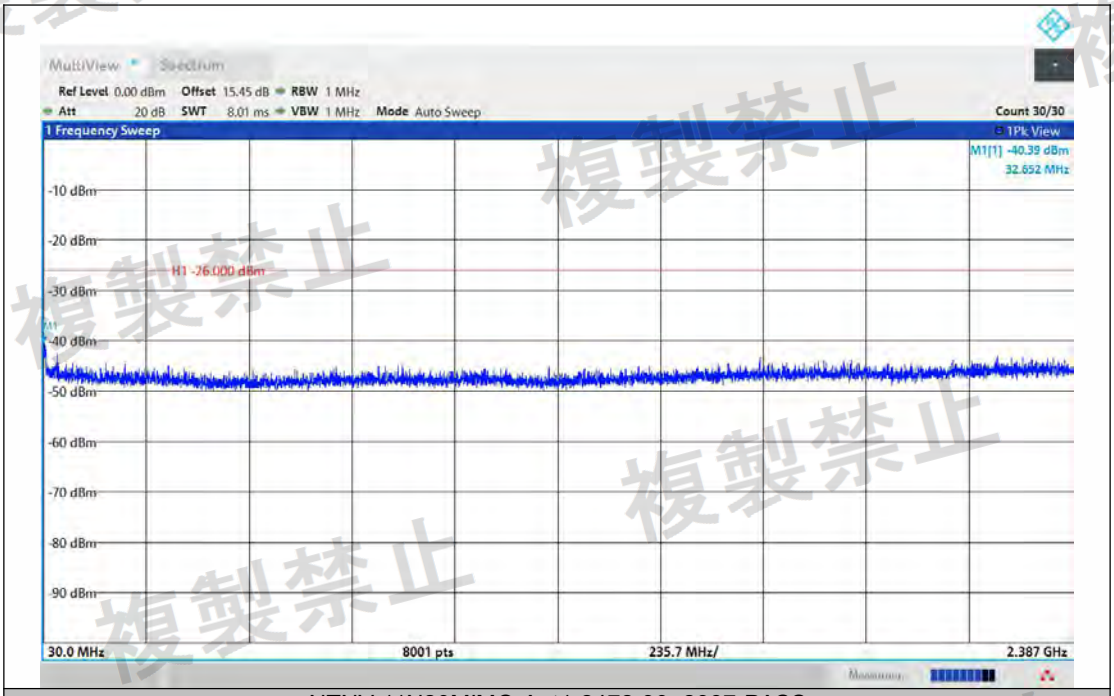
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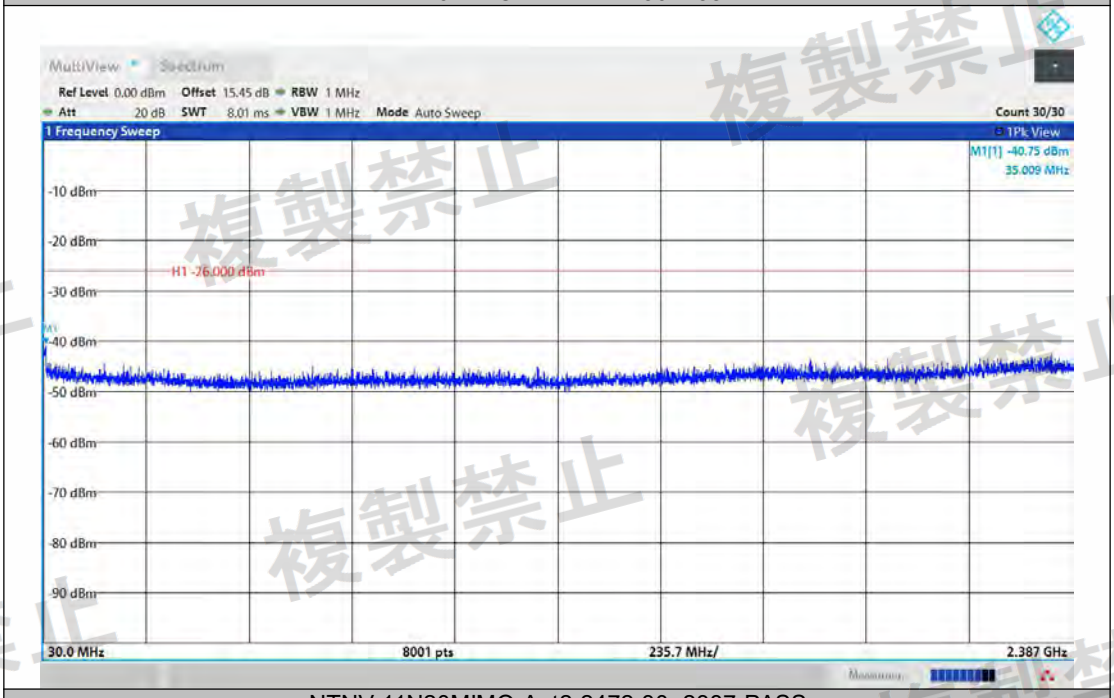
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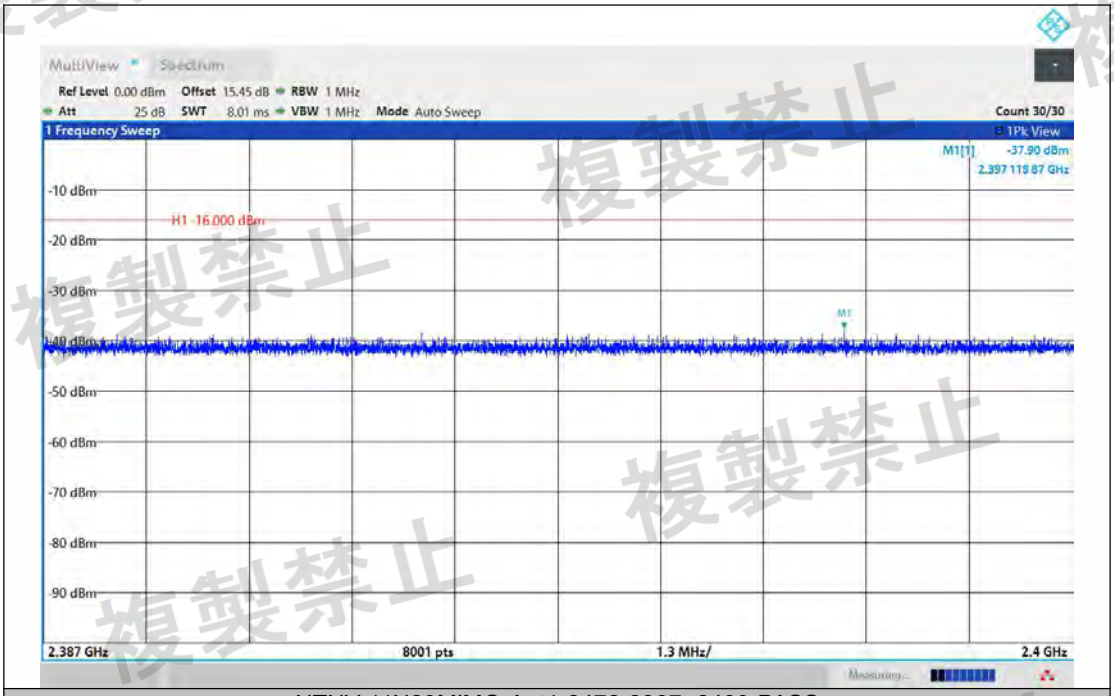
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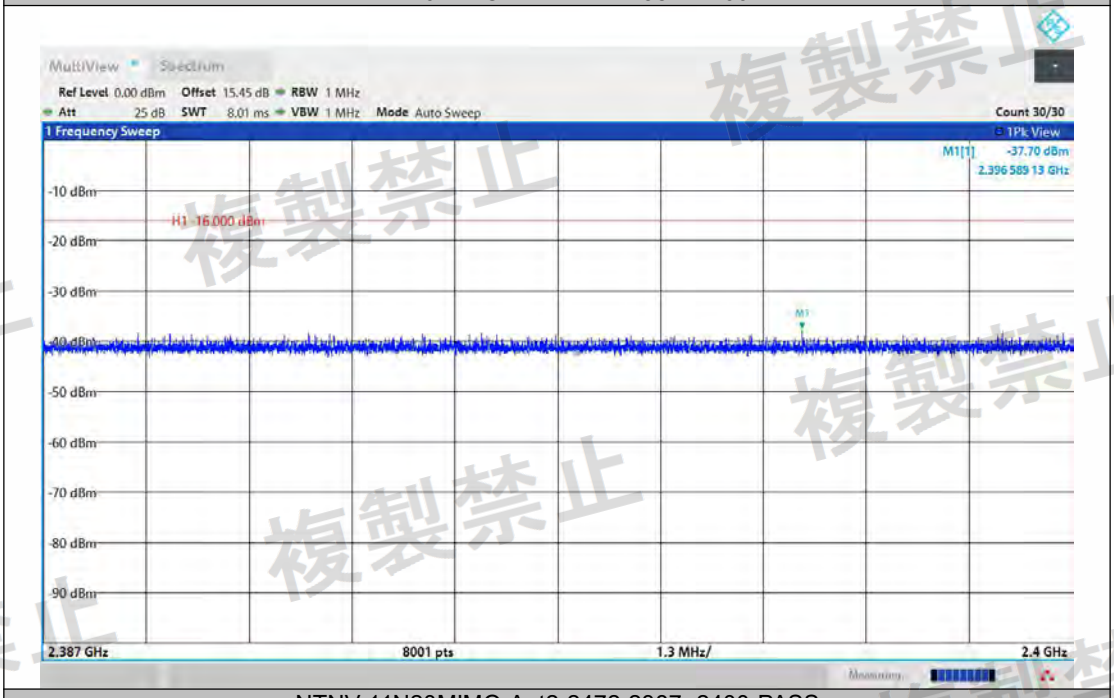
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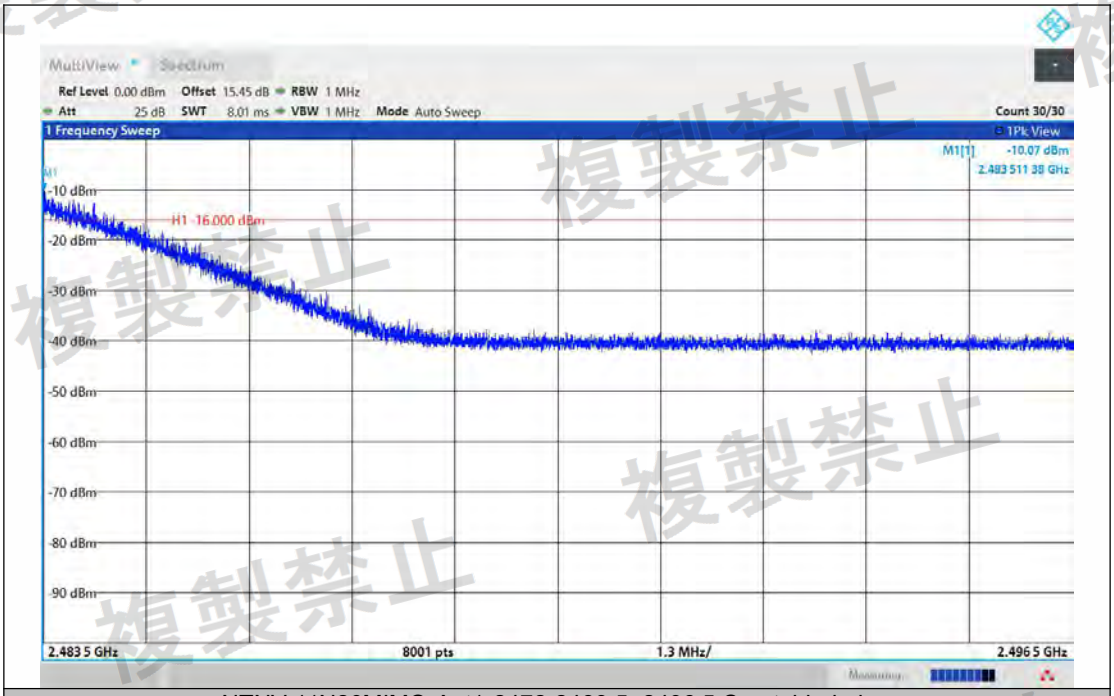
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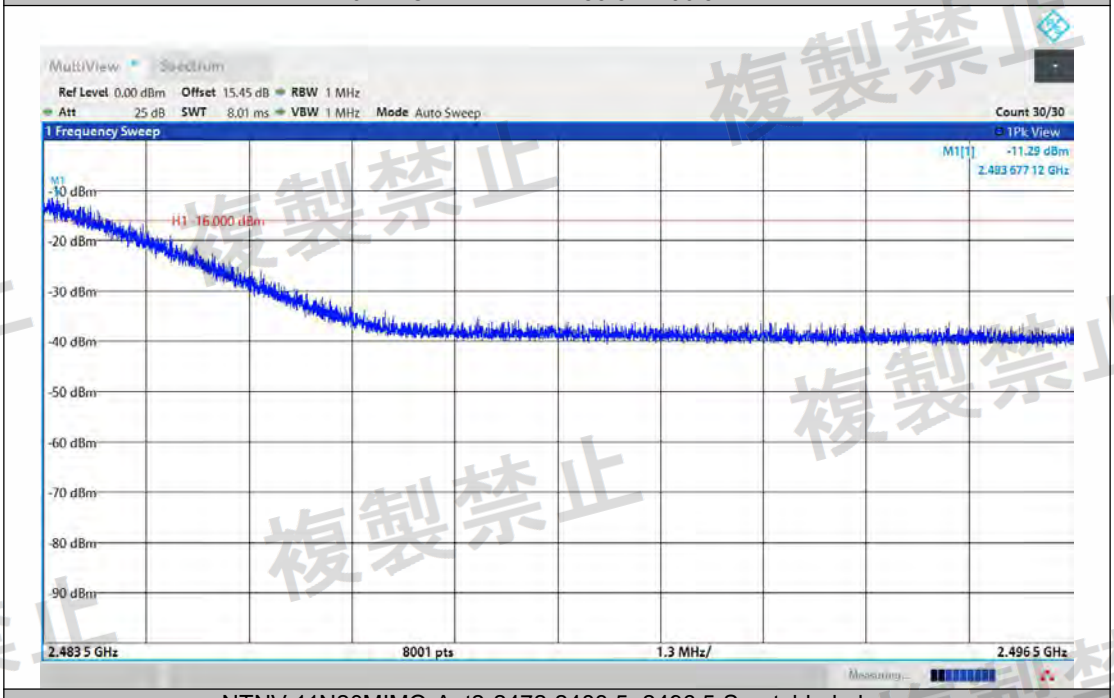
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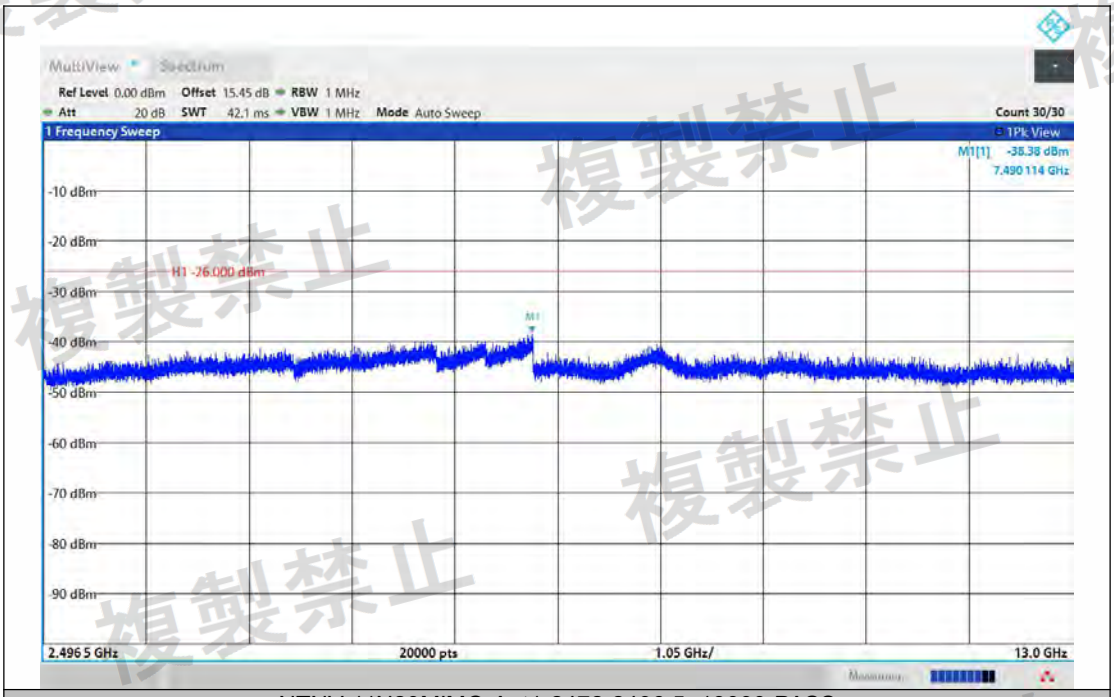
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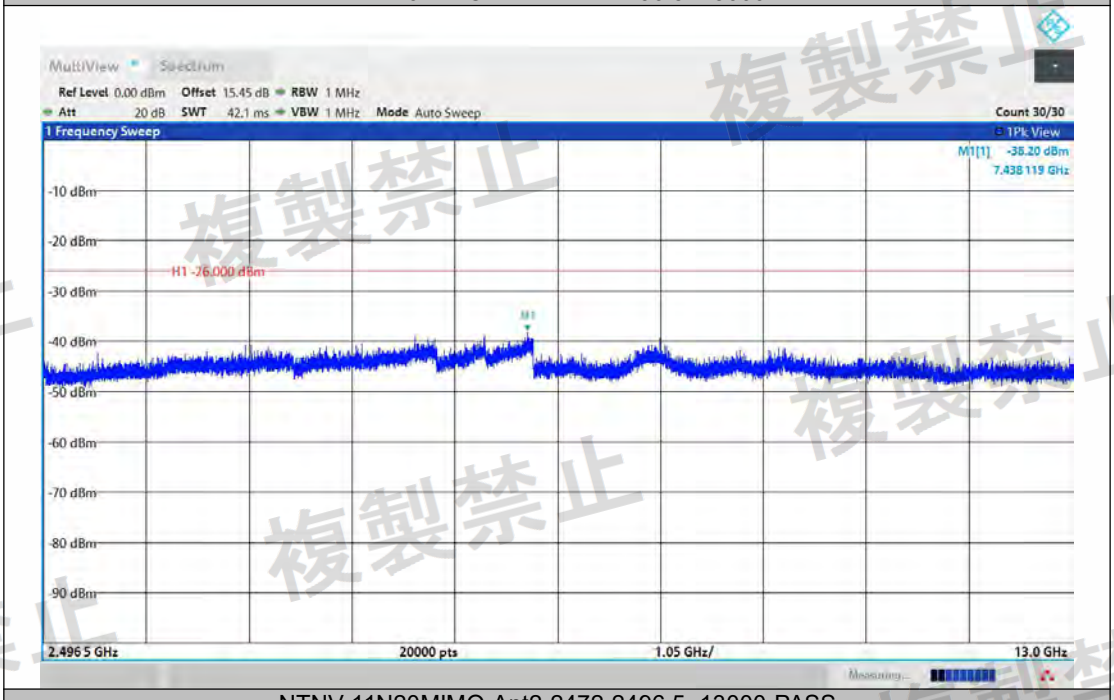
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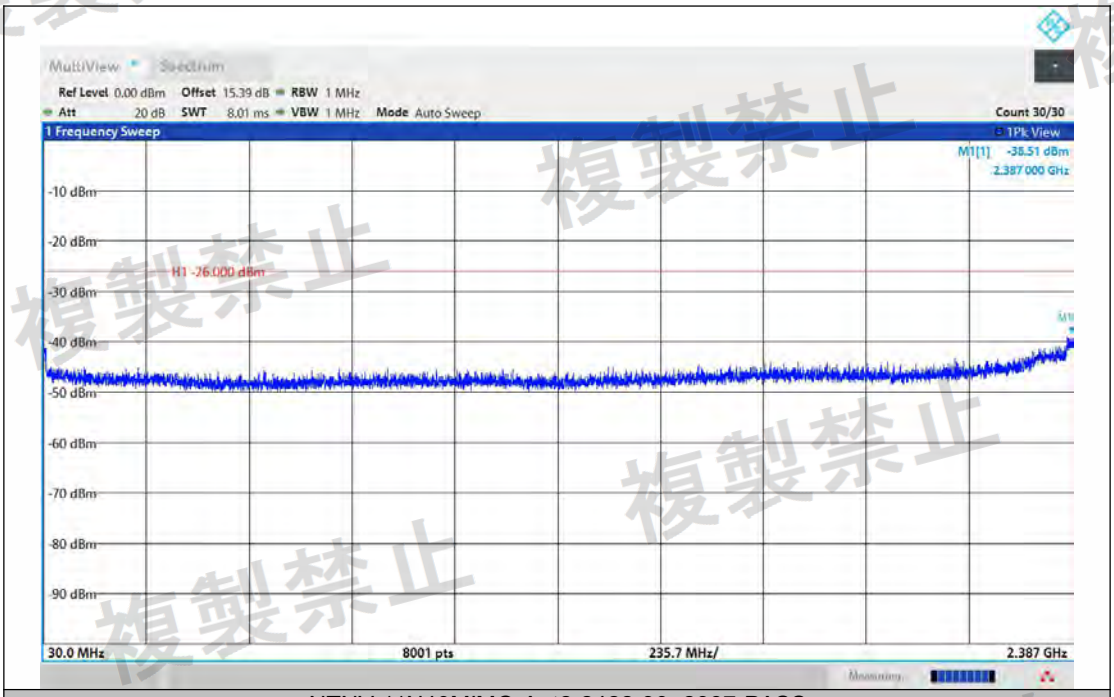
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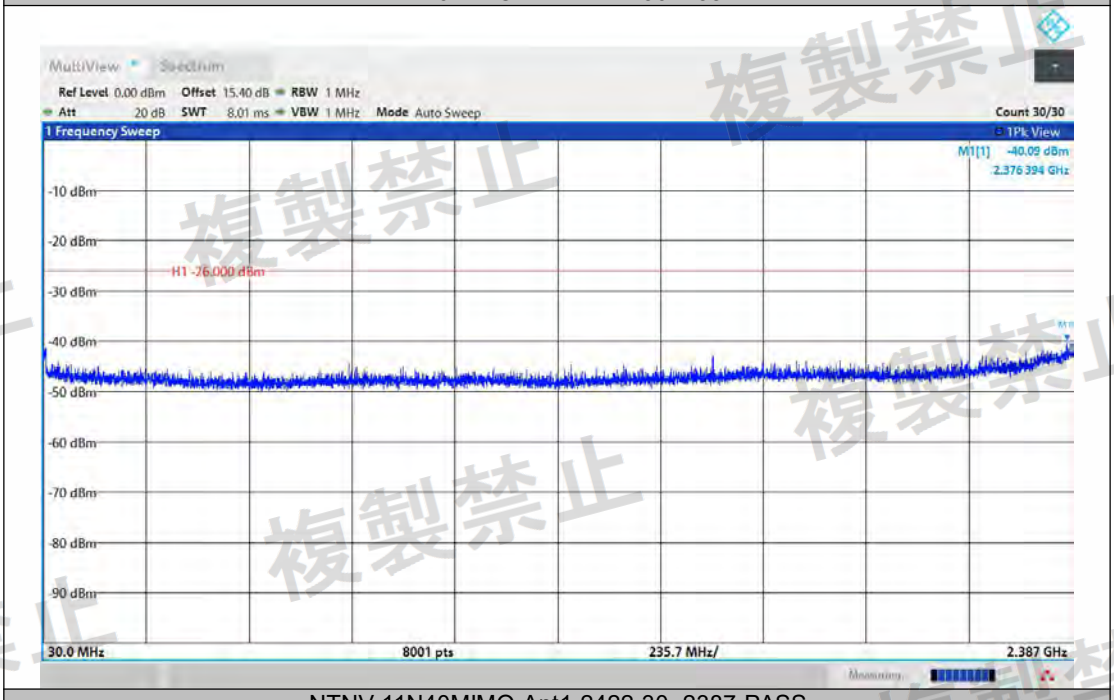
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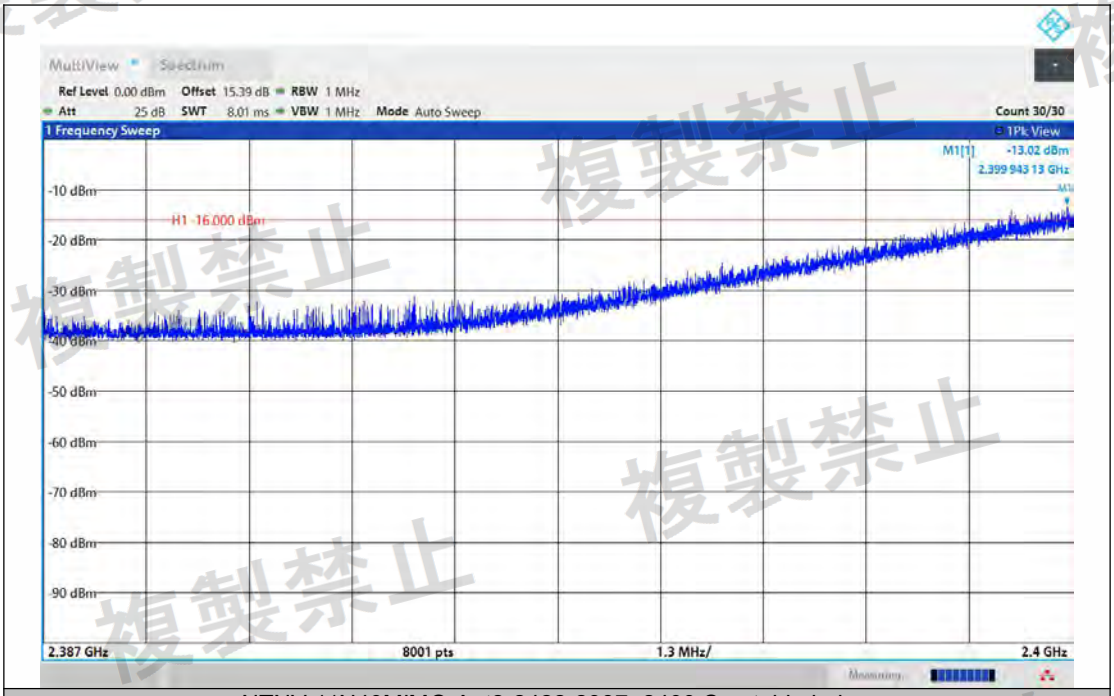
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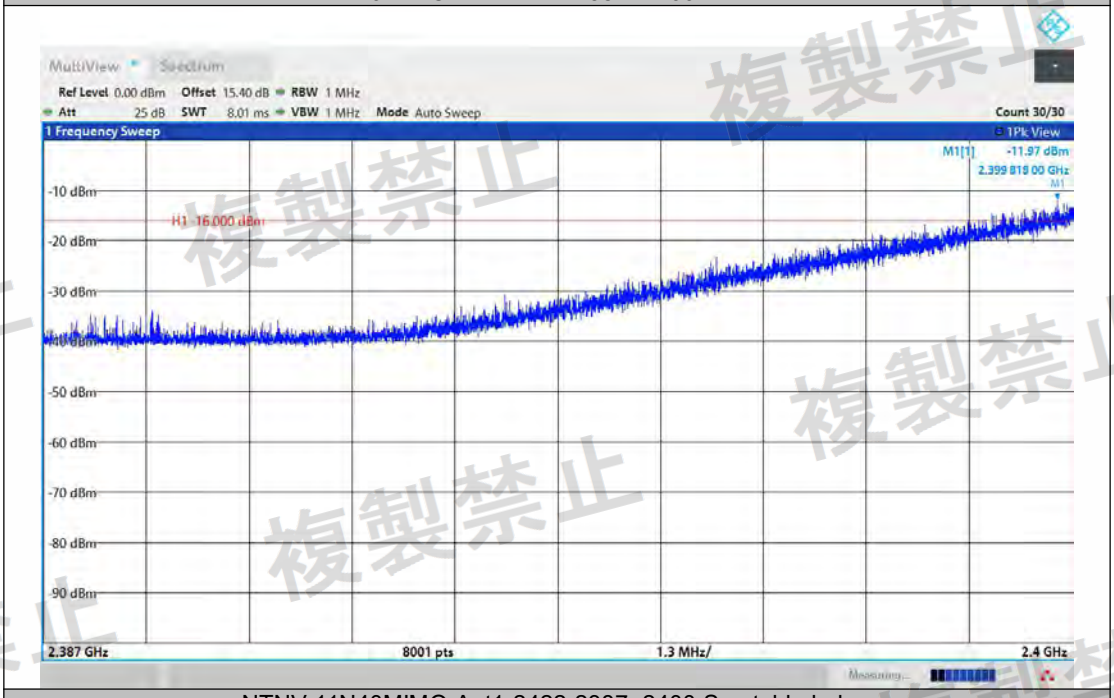
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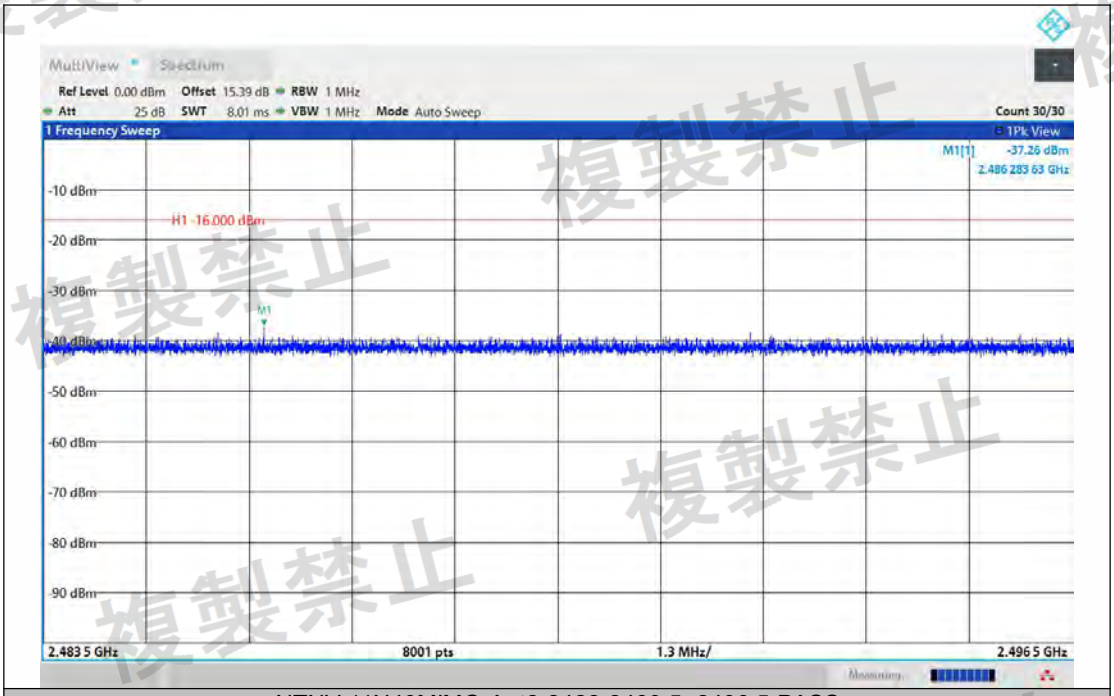
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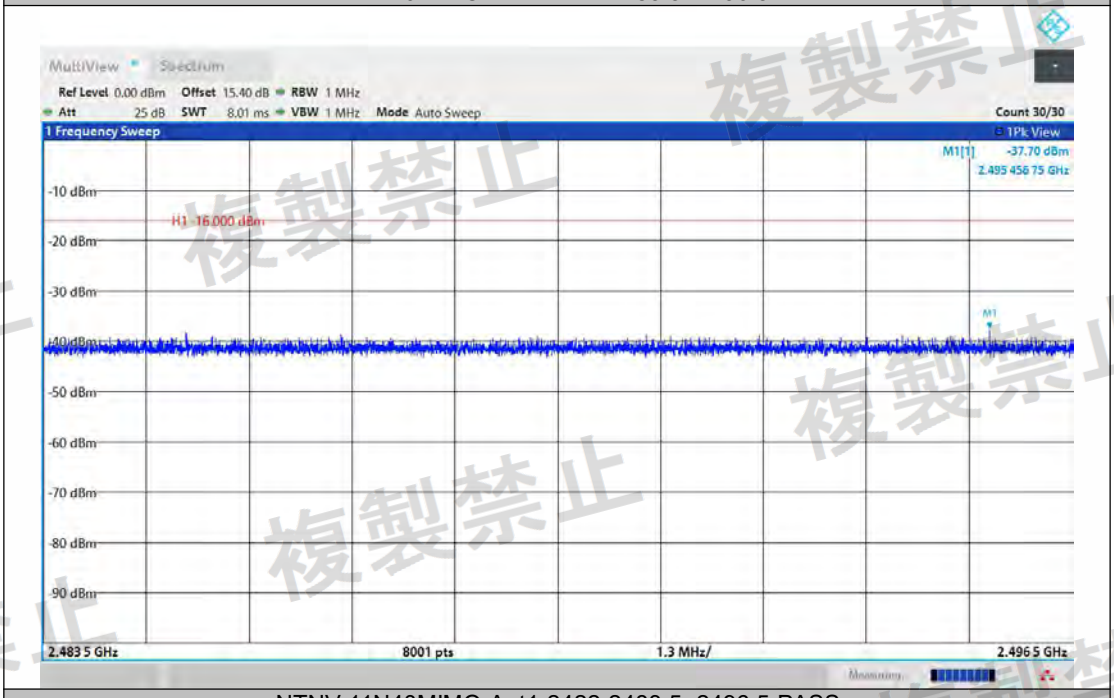
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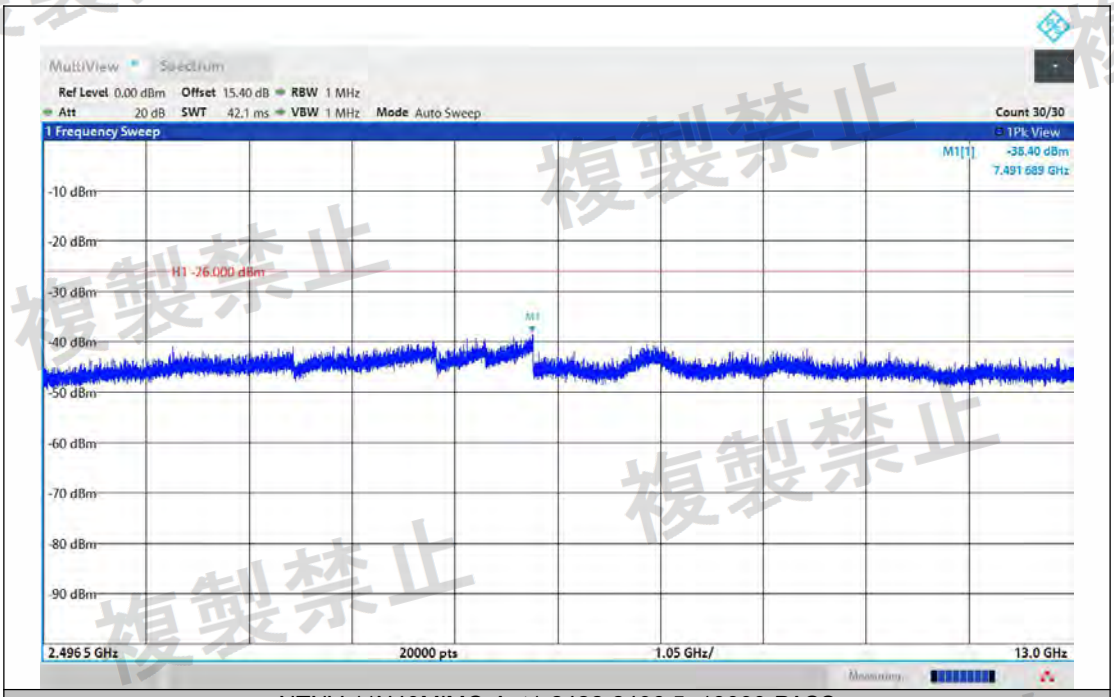
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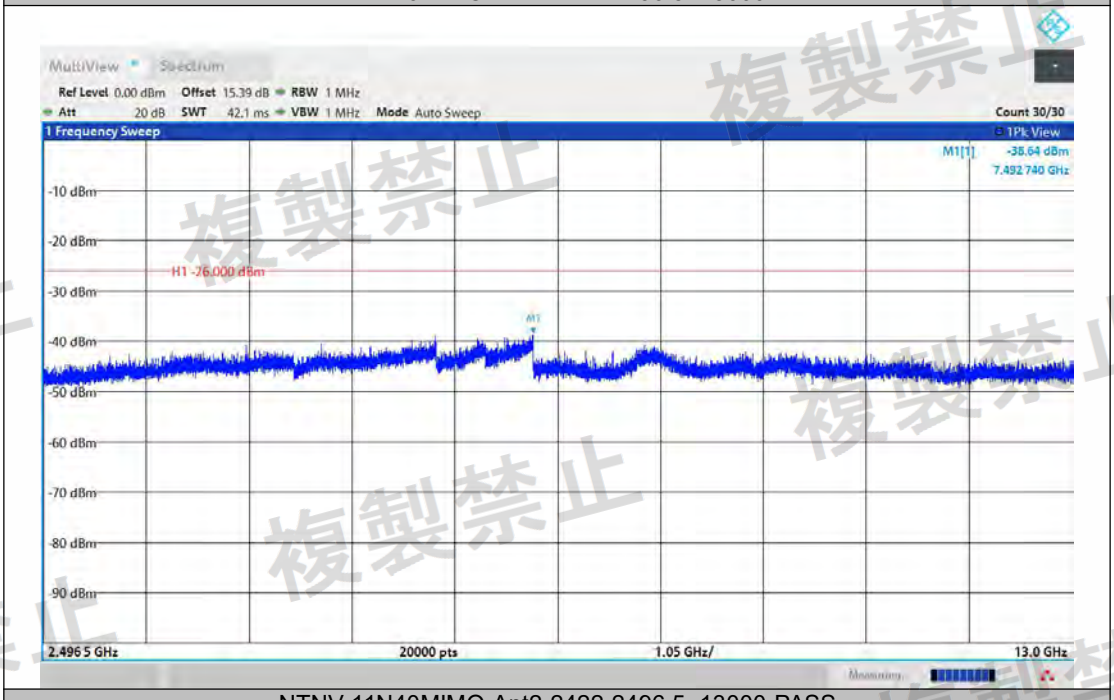
NTNV-11N40MIMO-Ant2-2422-2483.5~2496.5-PASS



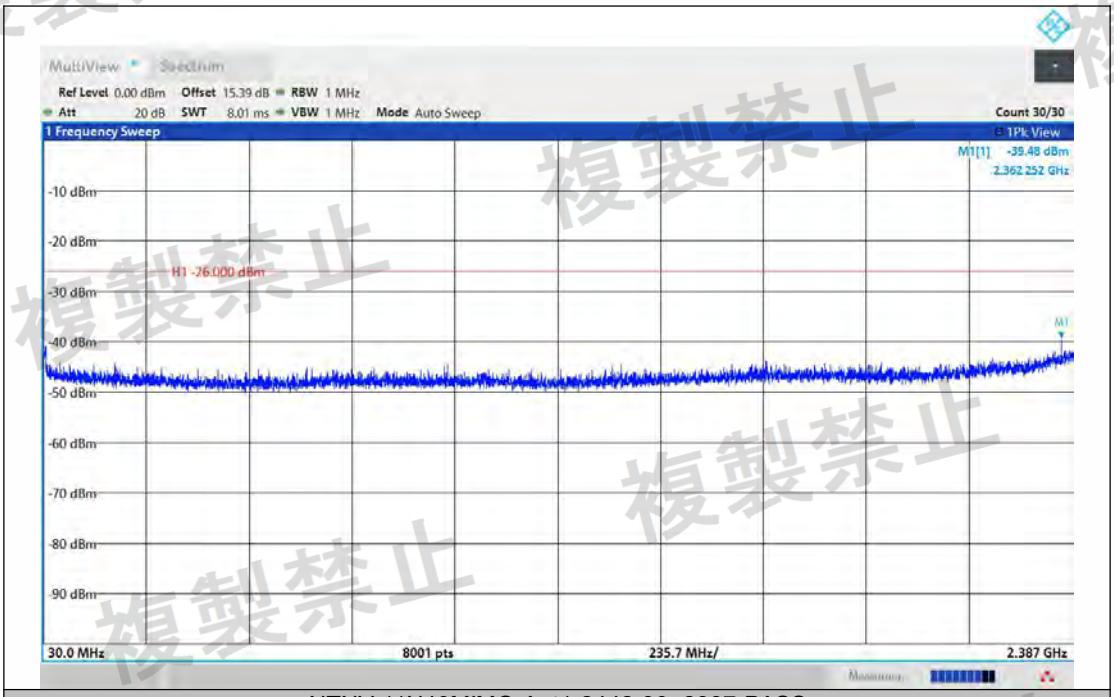
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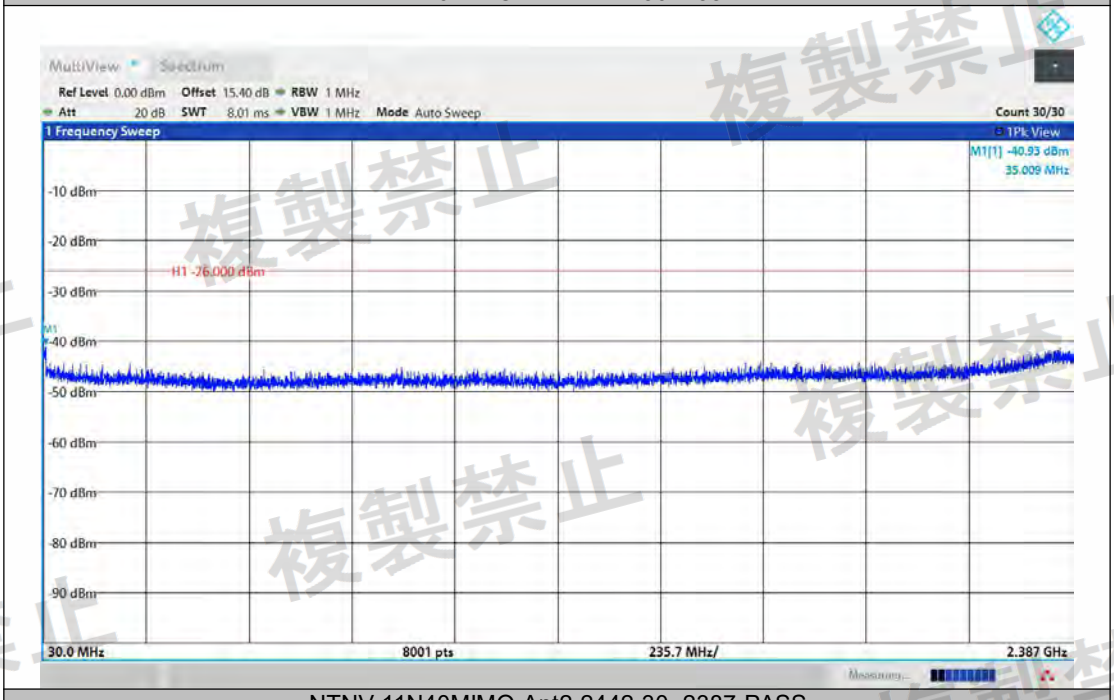
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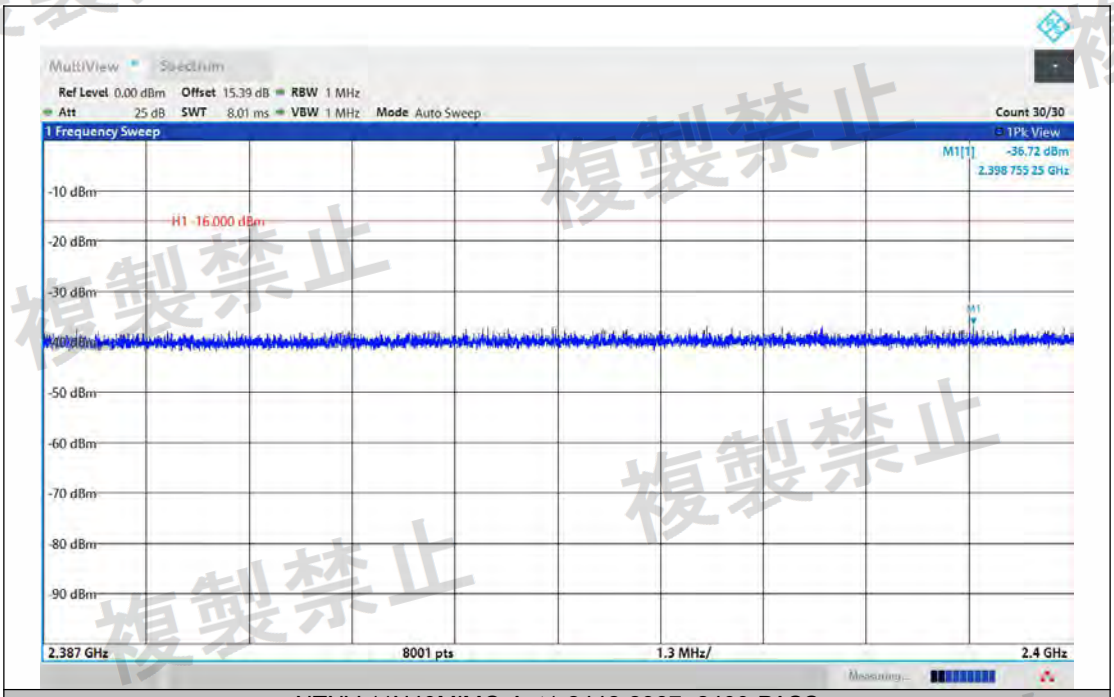
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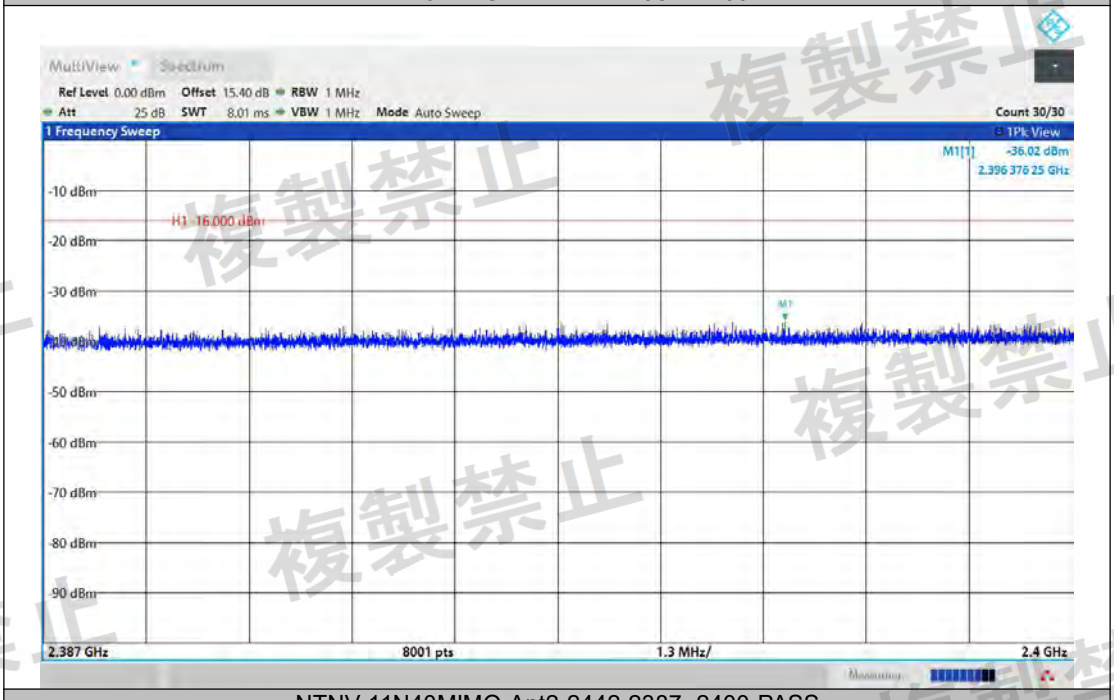
NTNV-11N40MIMO-Ant1-2442-30~2387-PASS



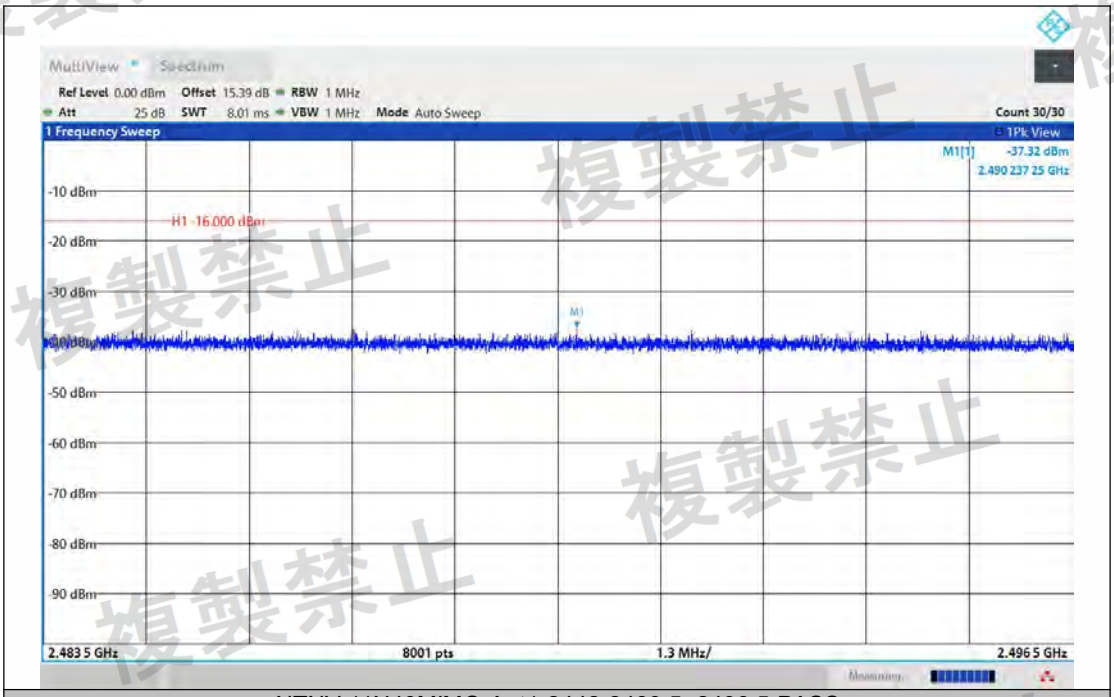
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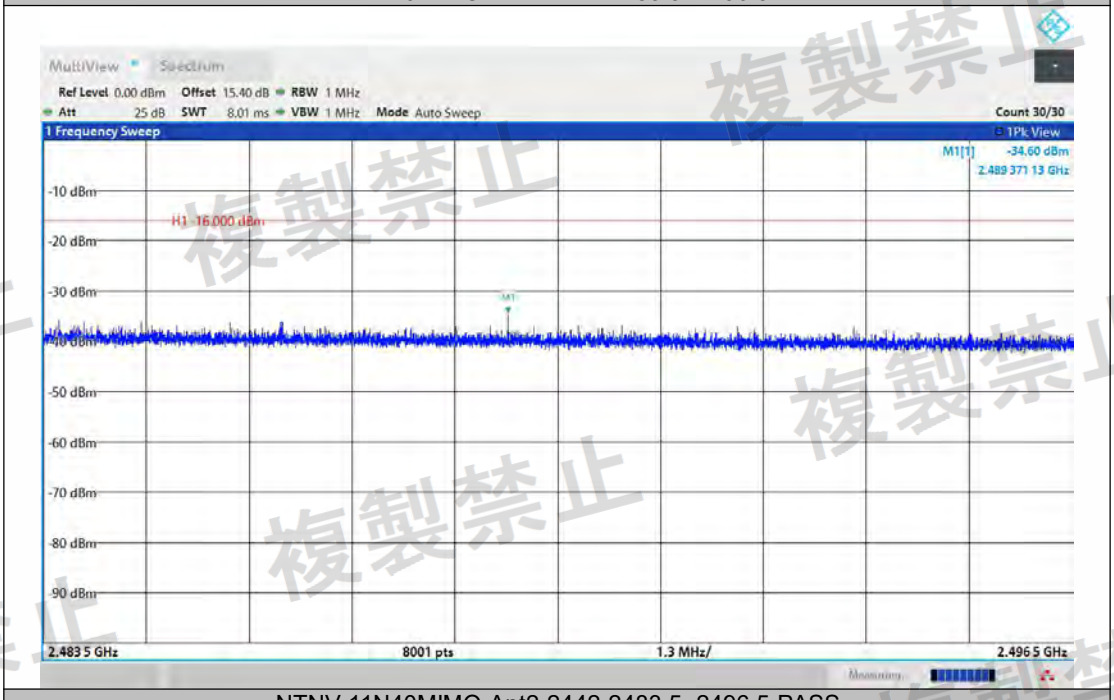
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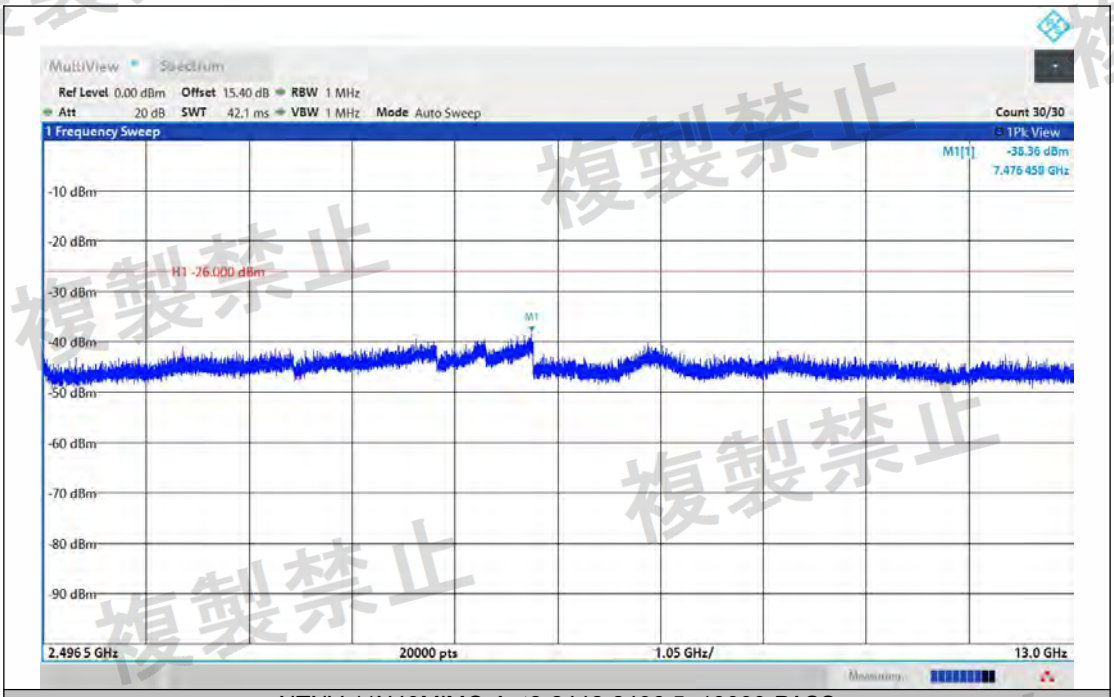
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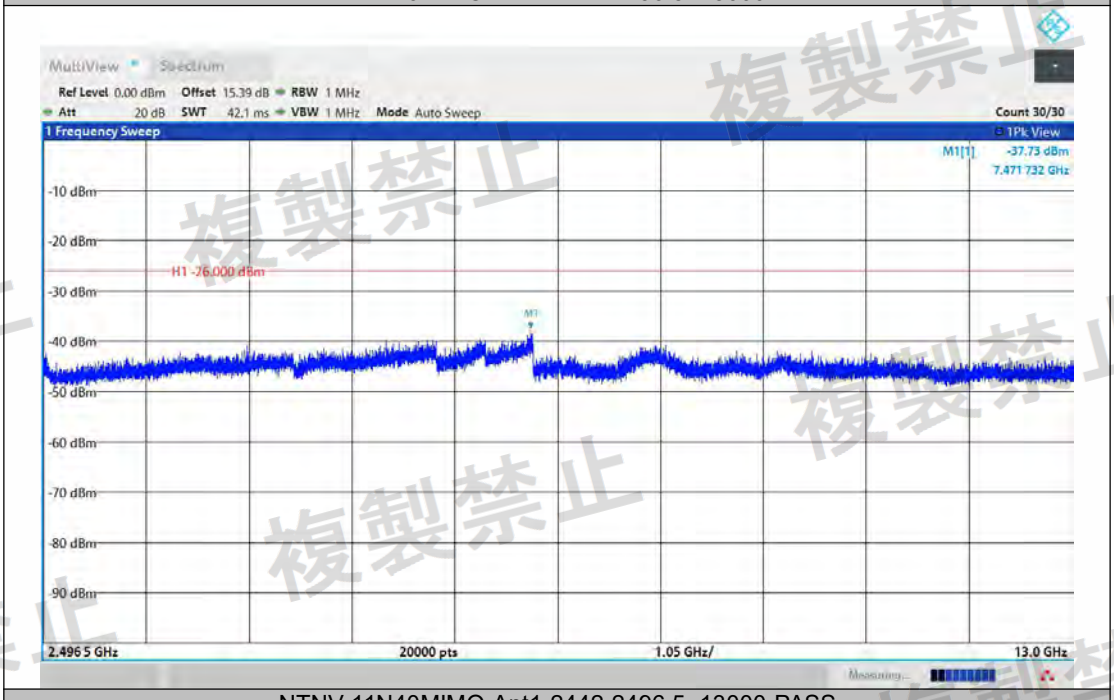
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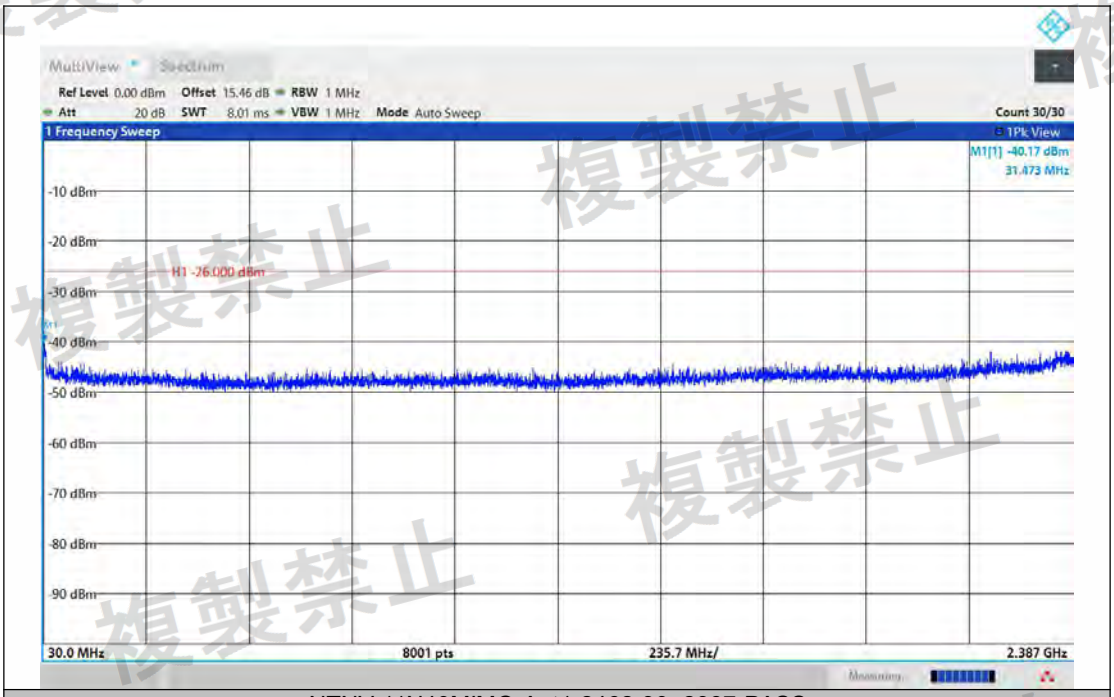
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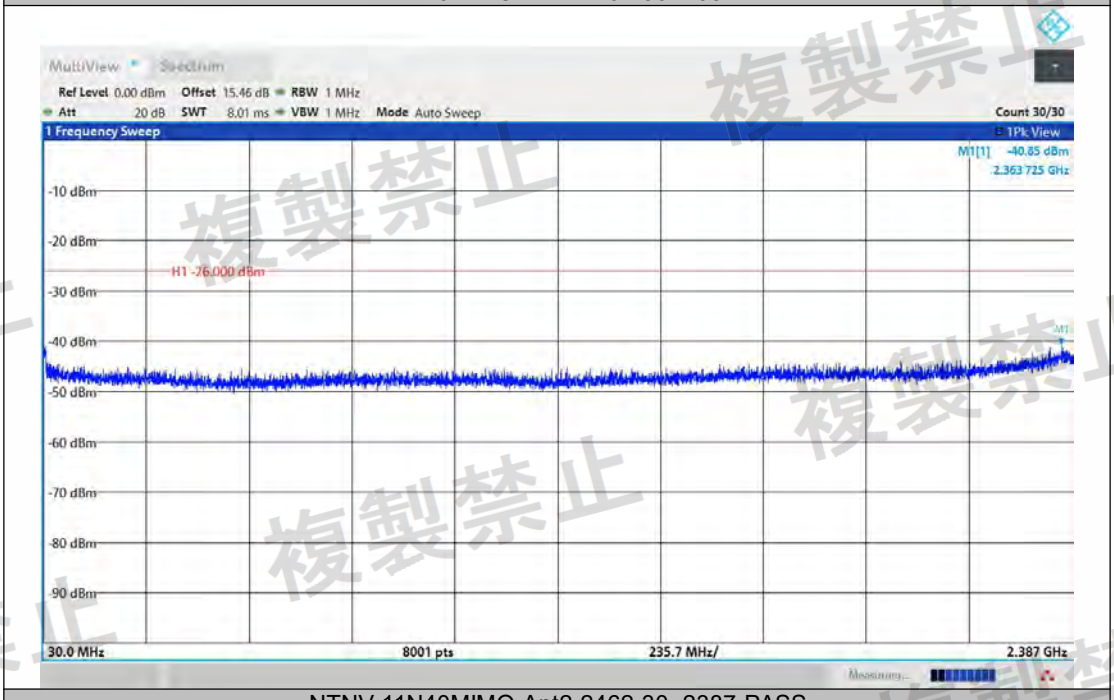
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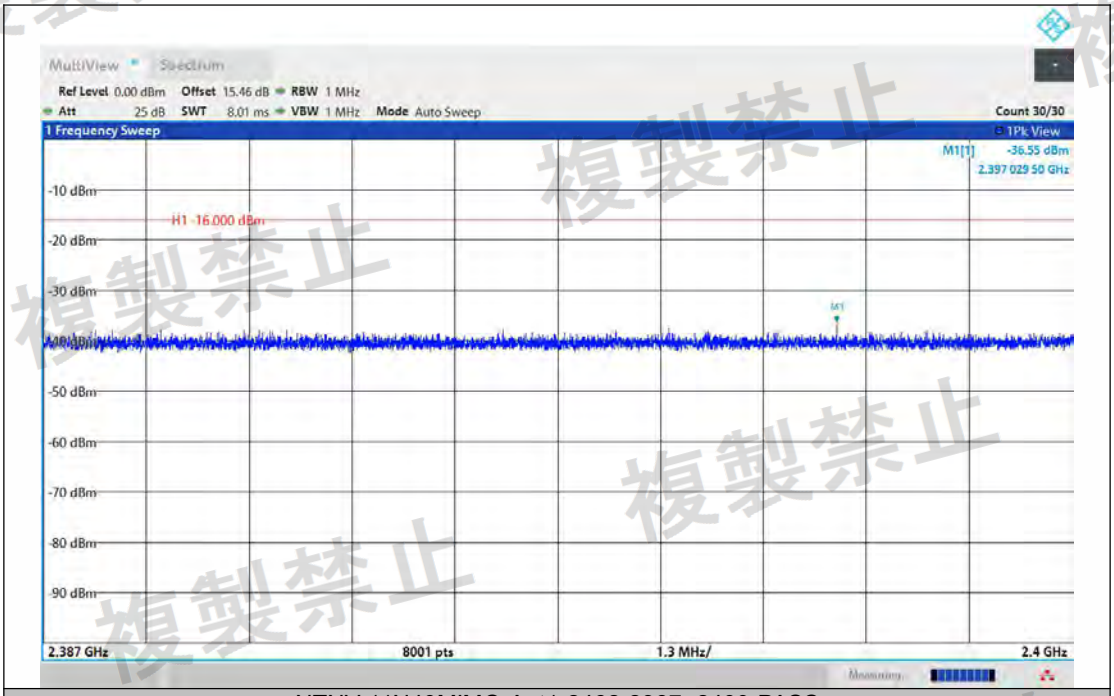
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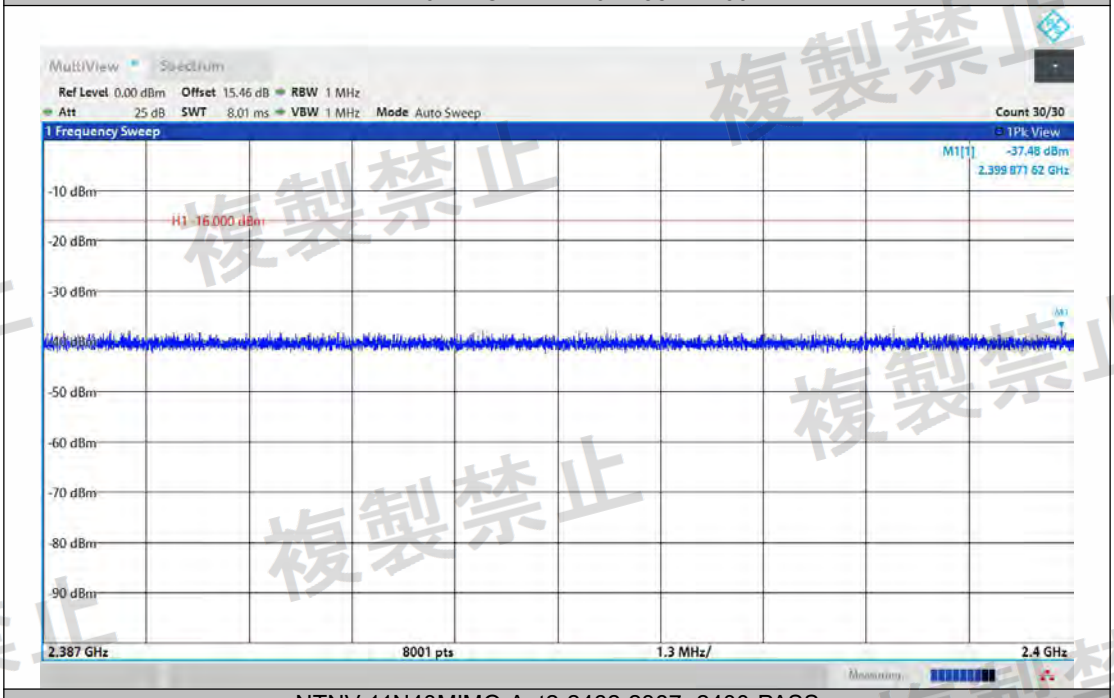
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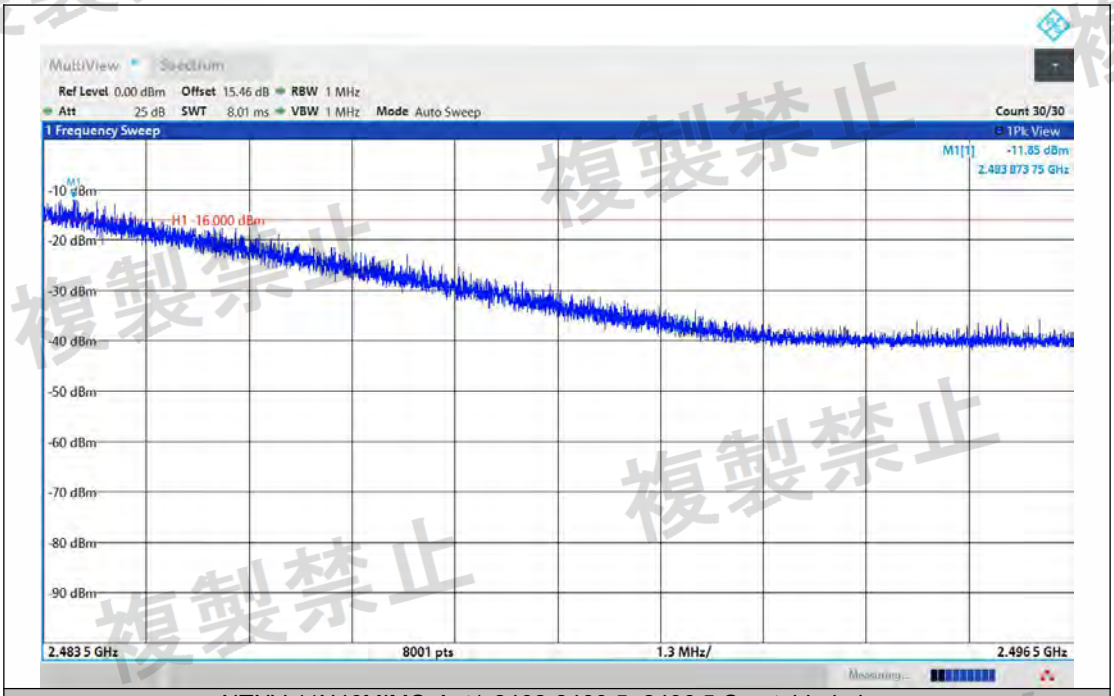
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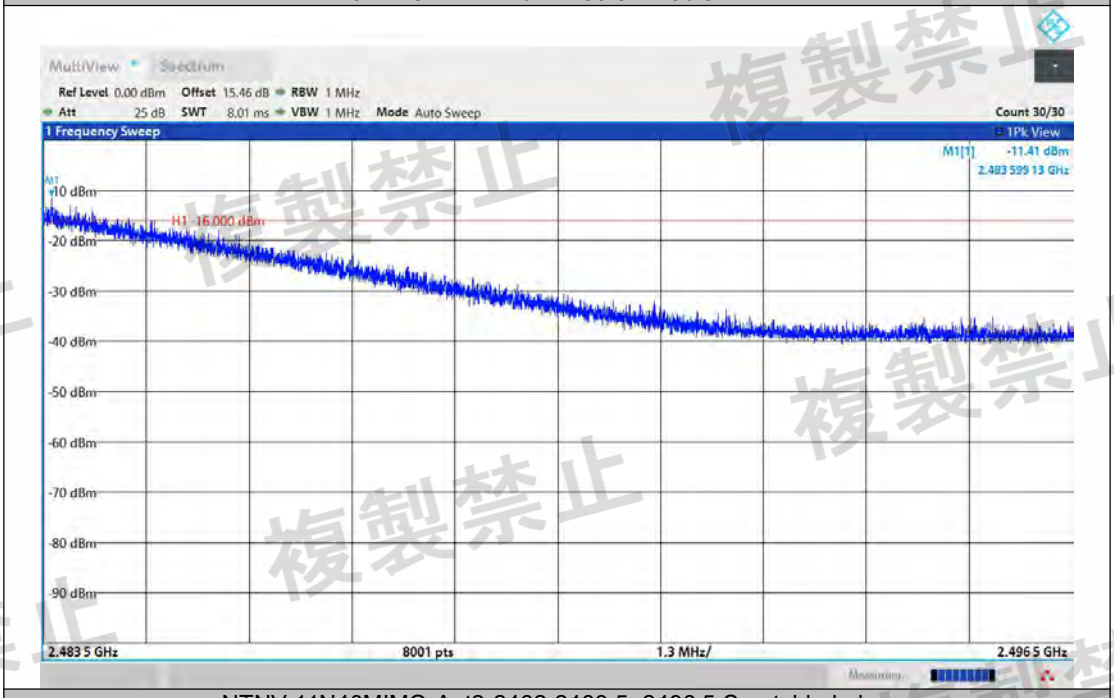
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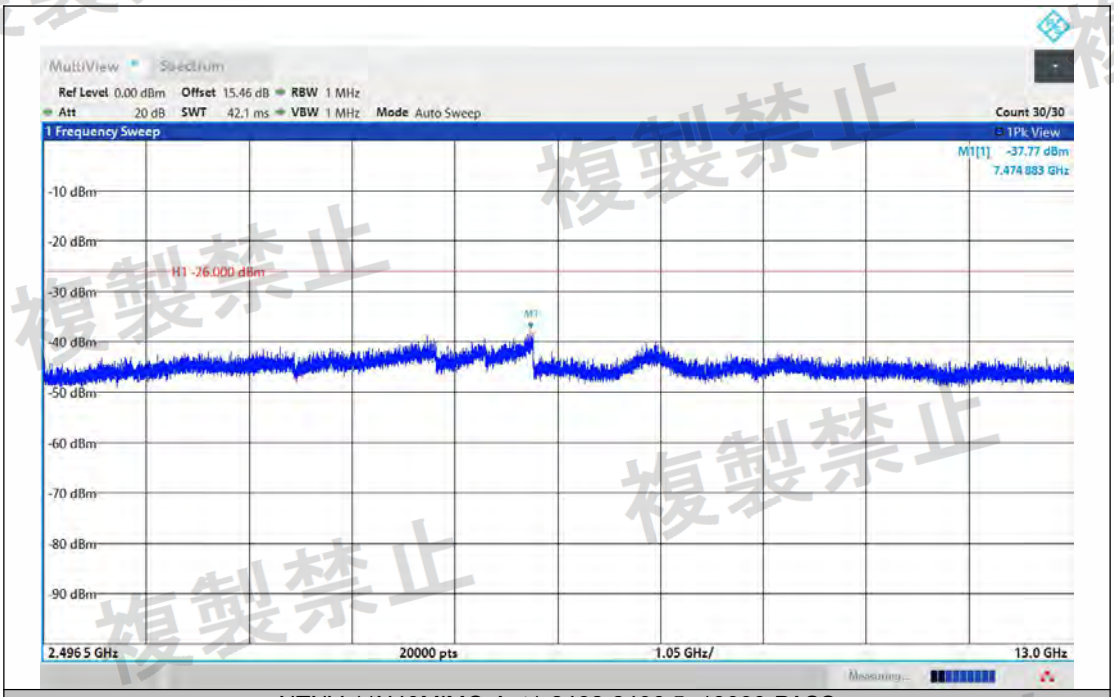
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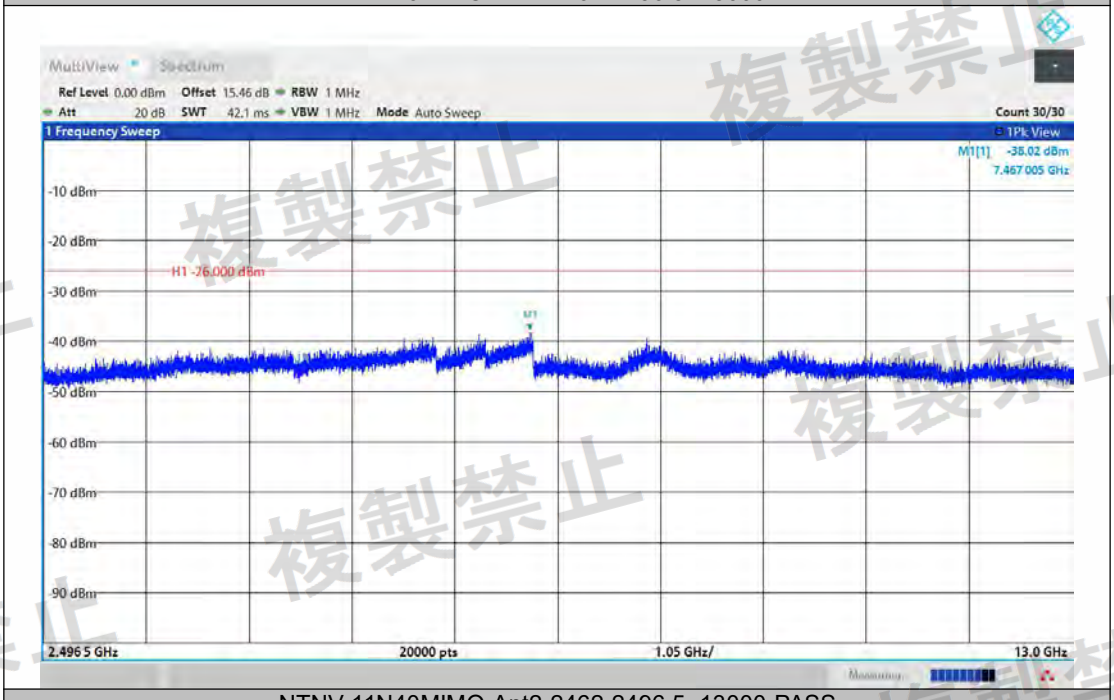
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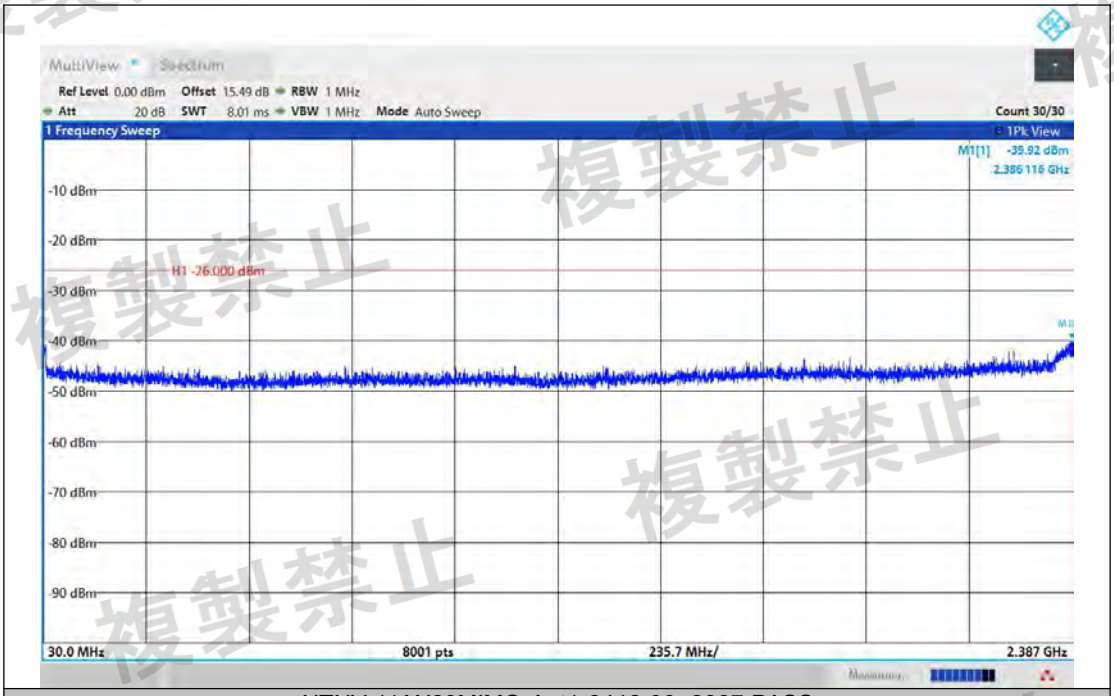
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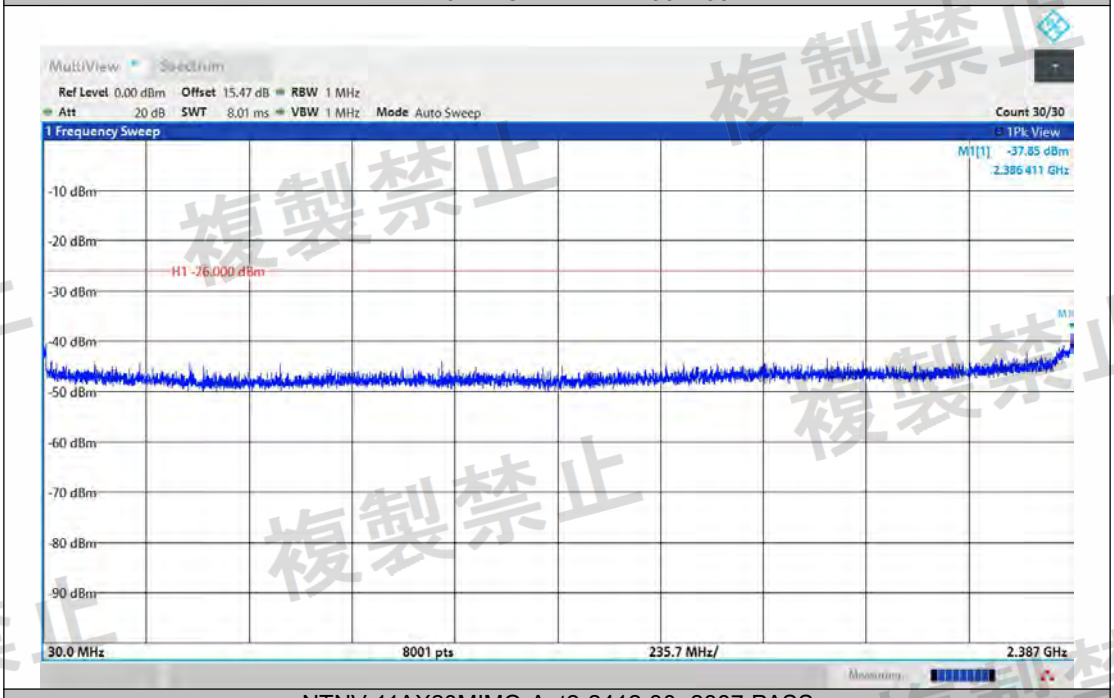
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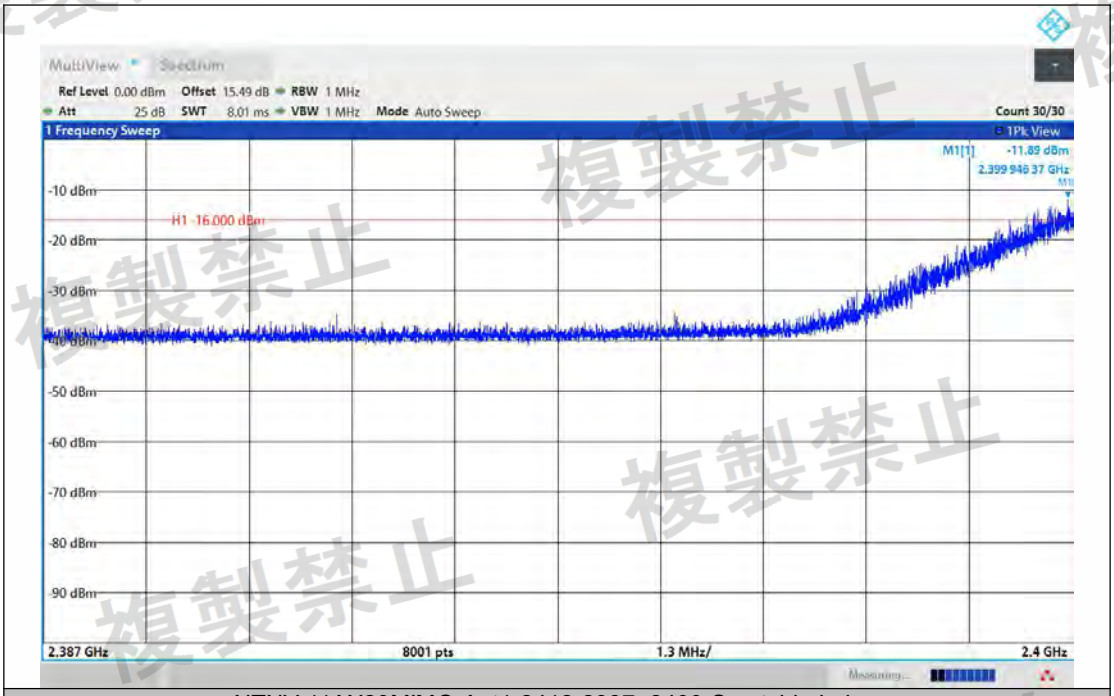
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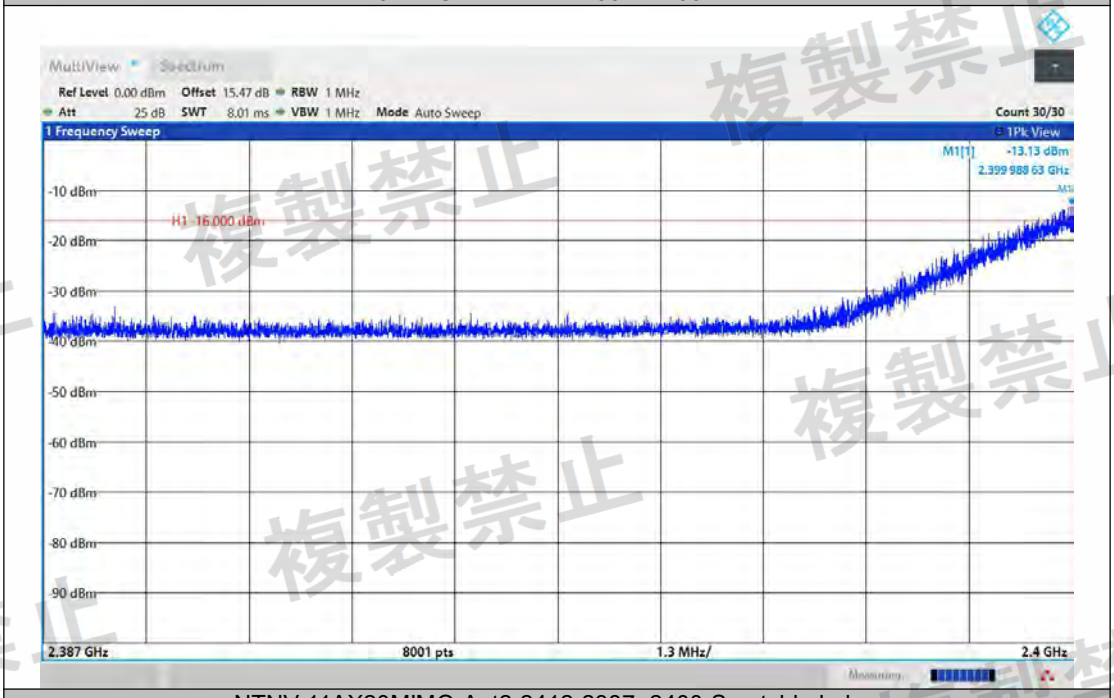
NTNV-11AX20MIMO-Ant1-2412-30~2387-PASS



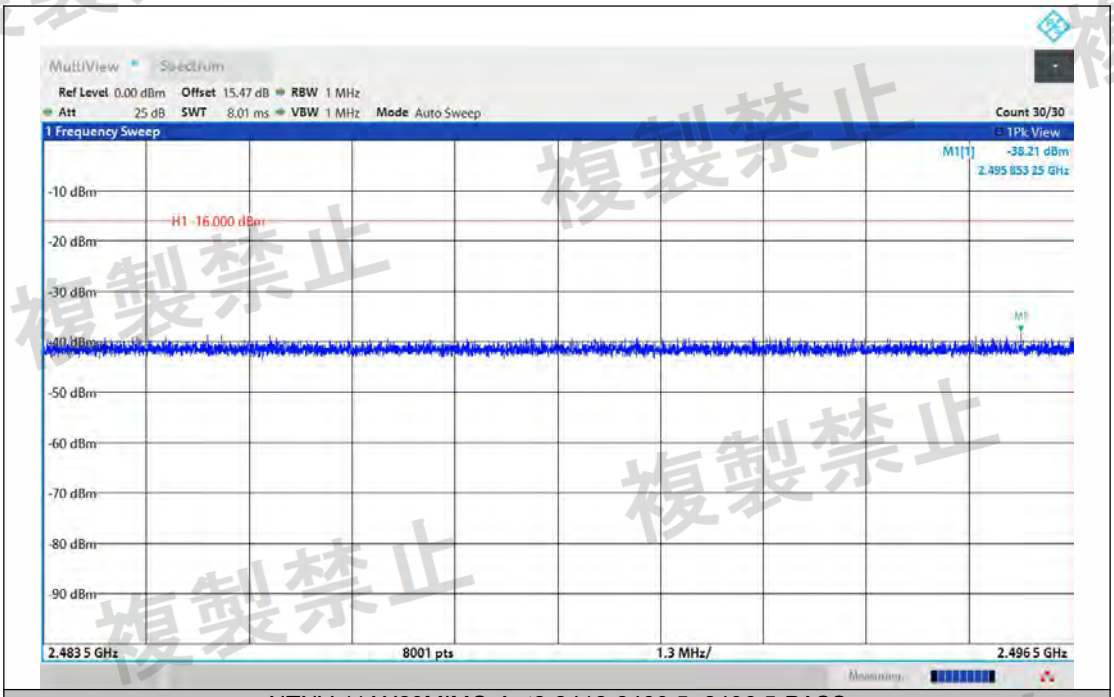
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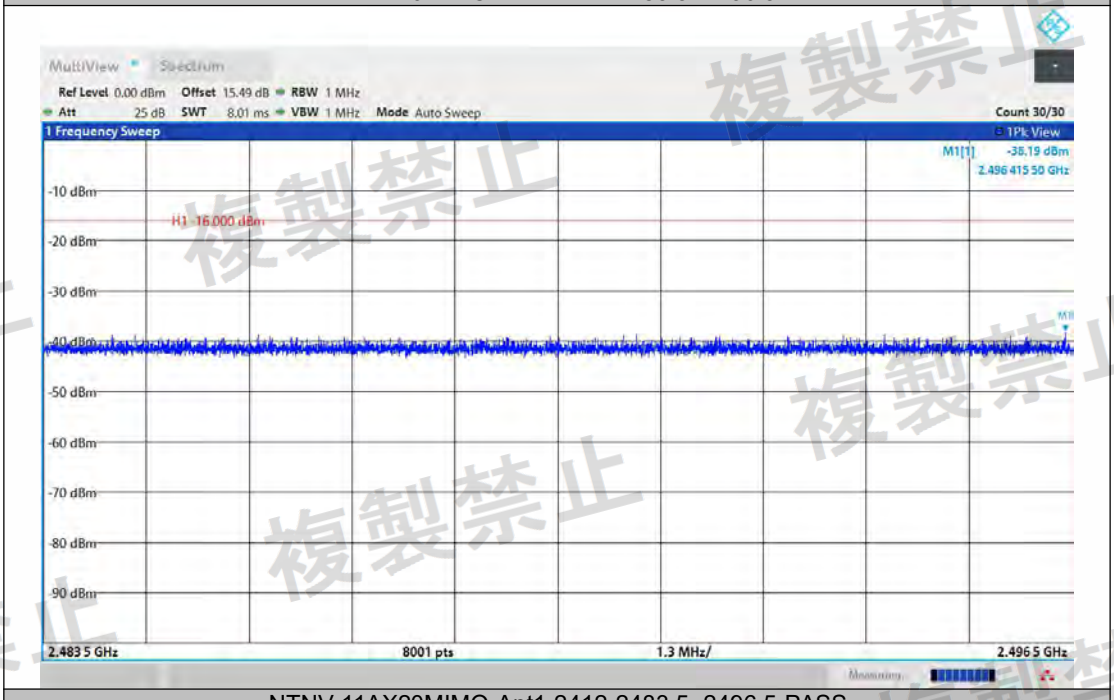
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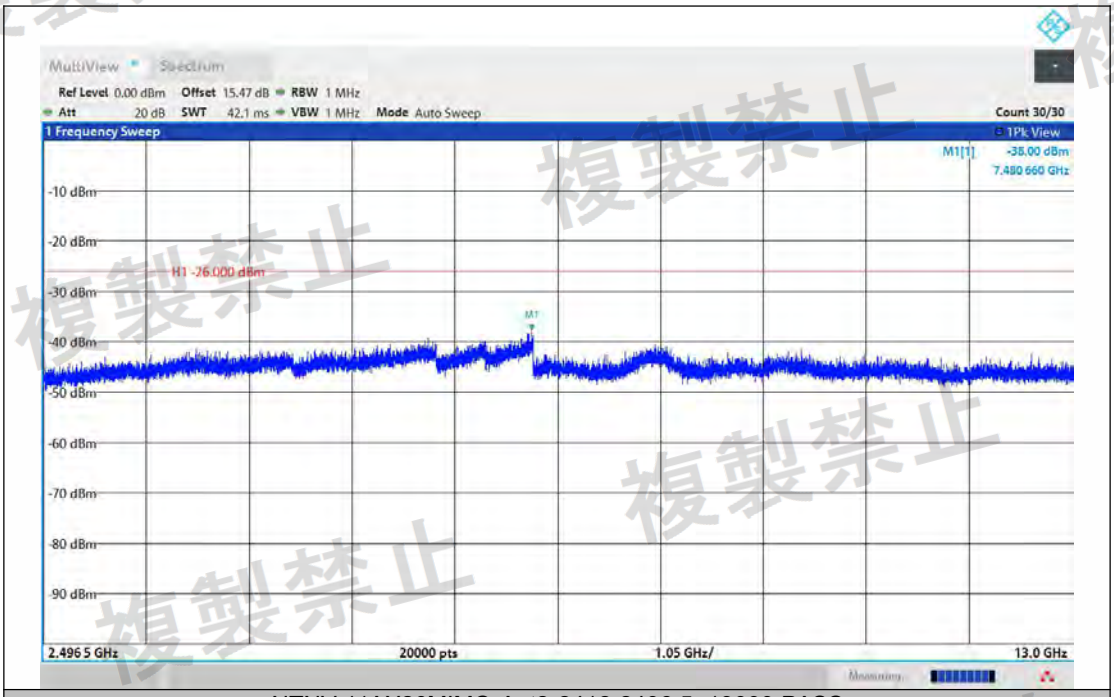
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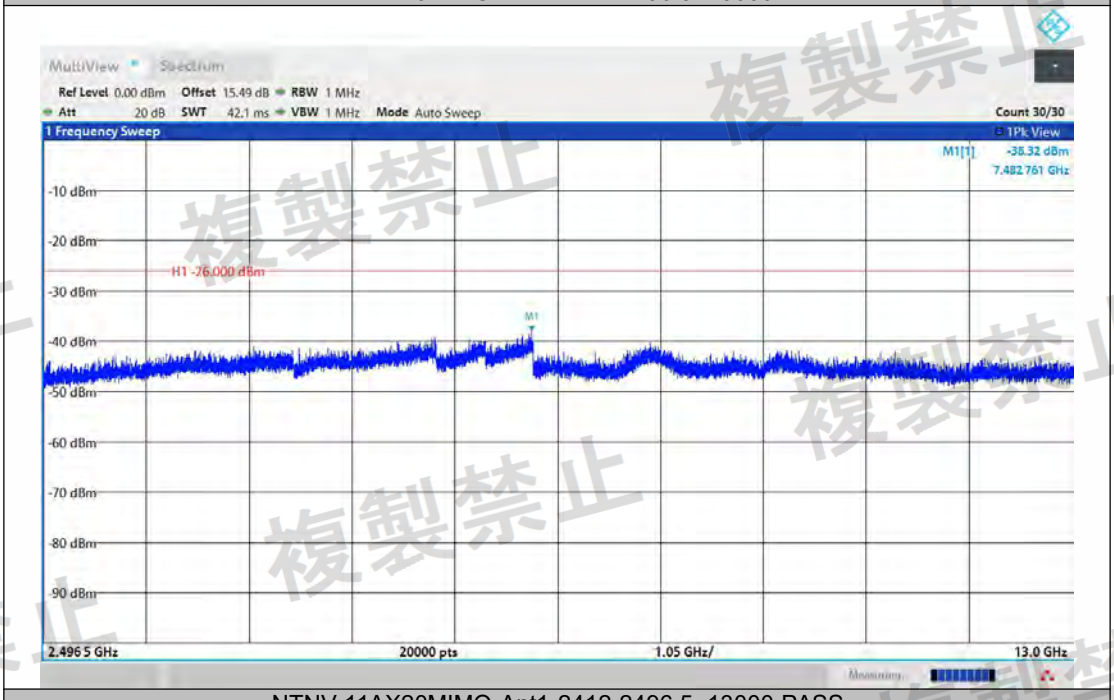
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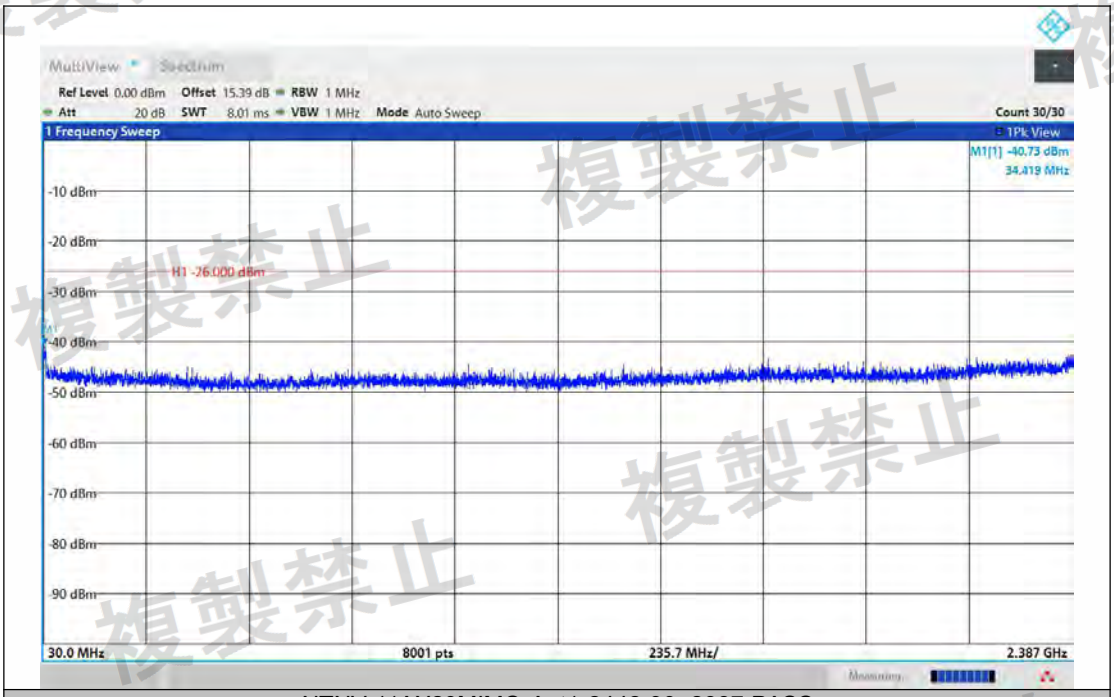
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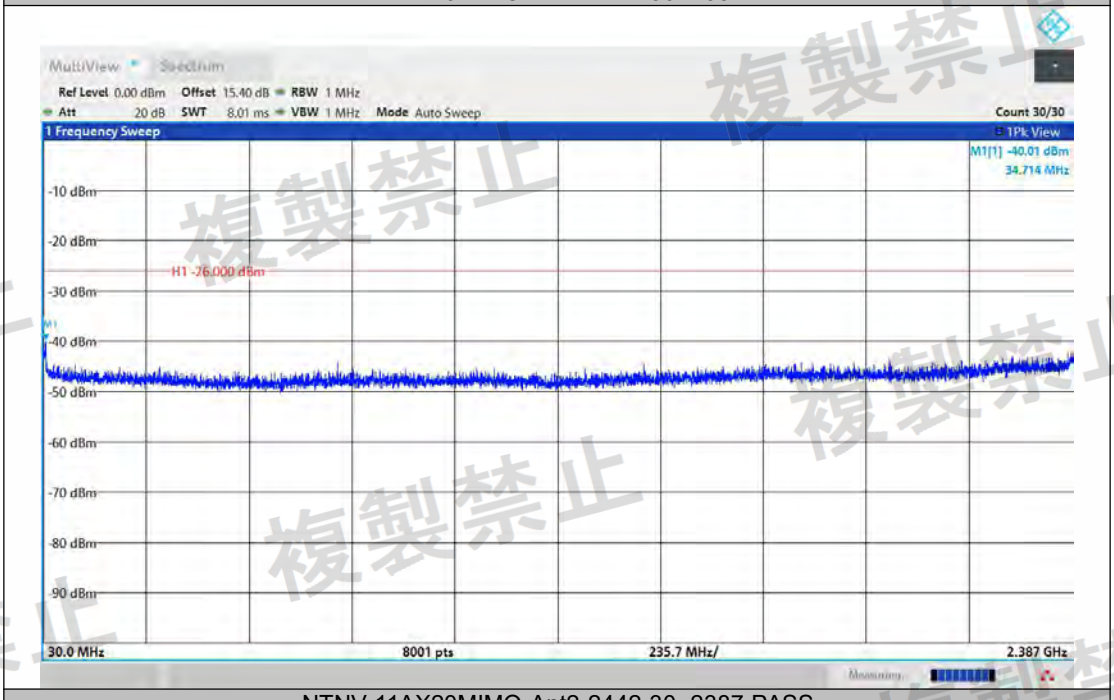
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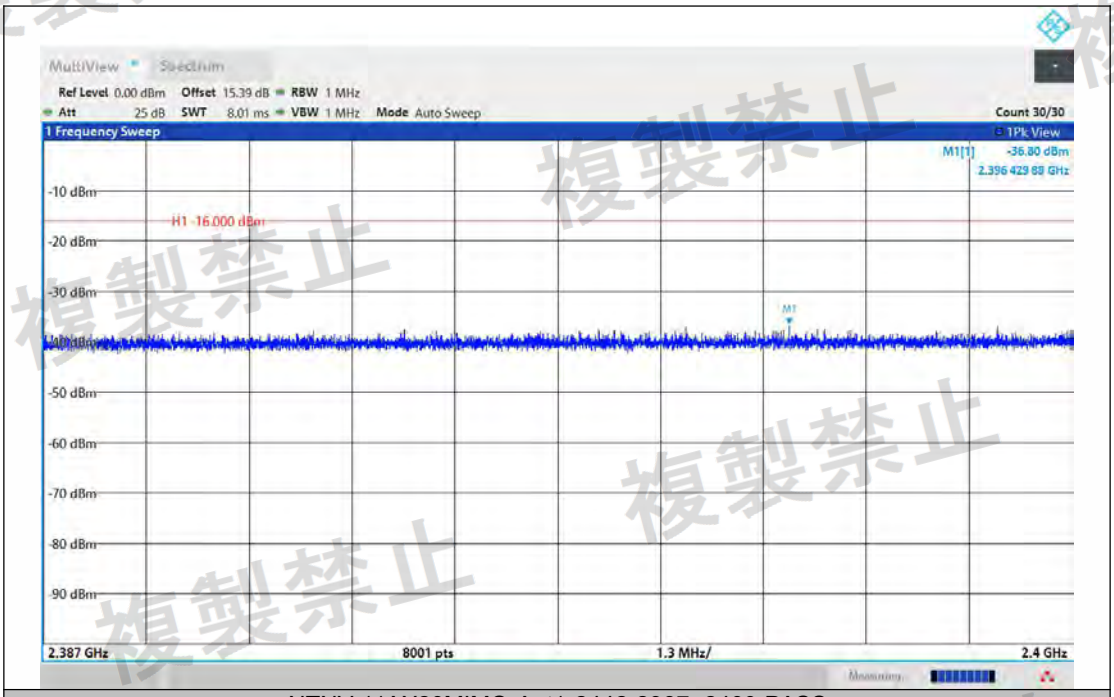
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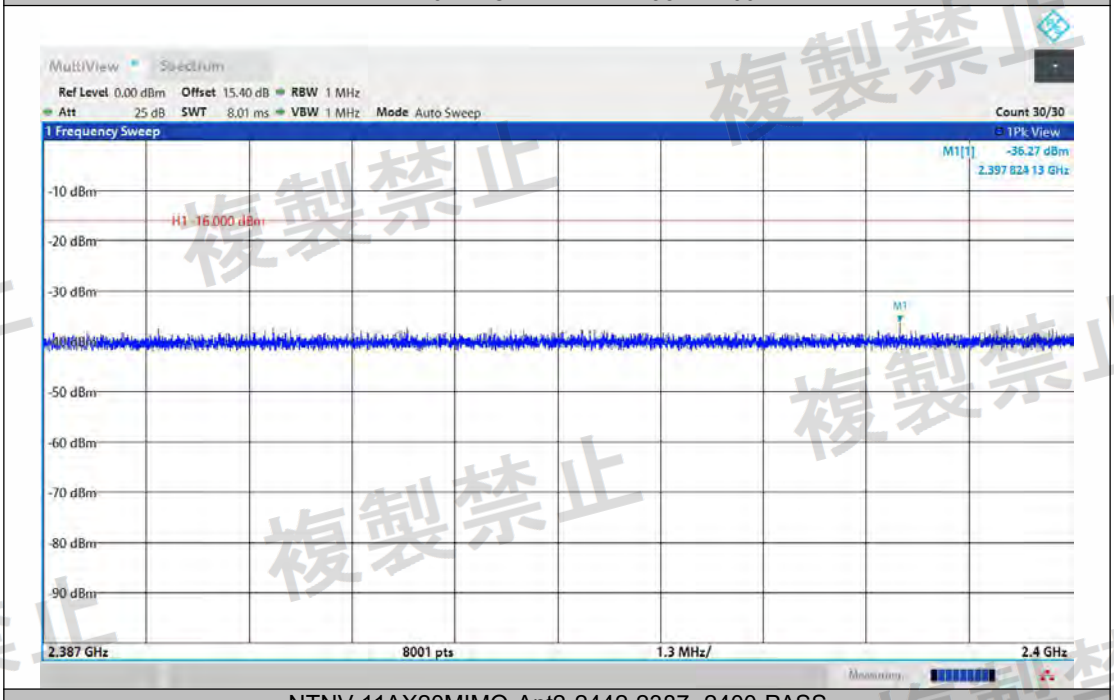
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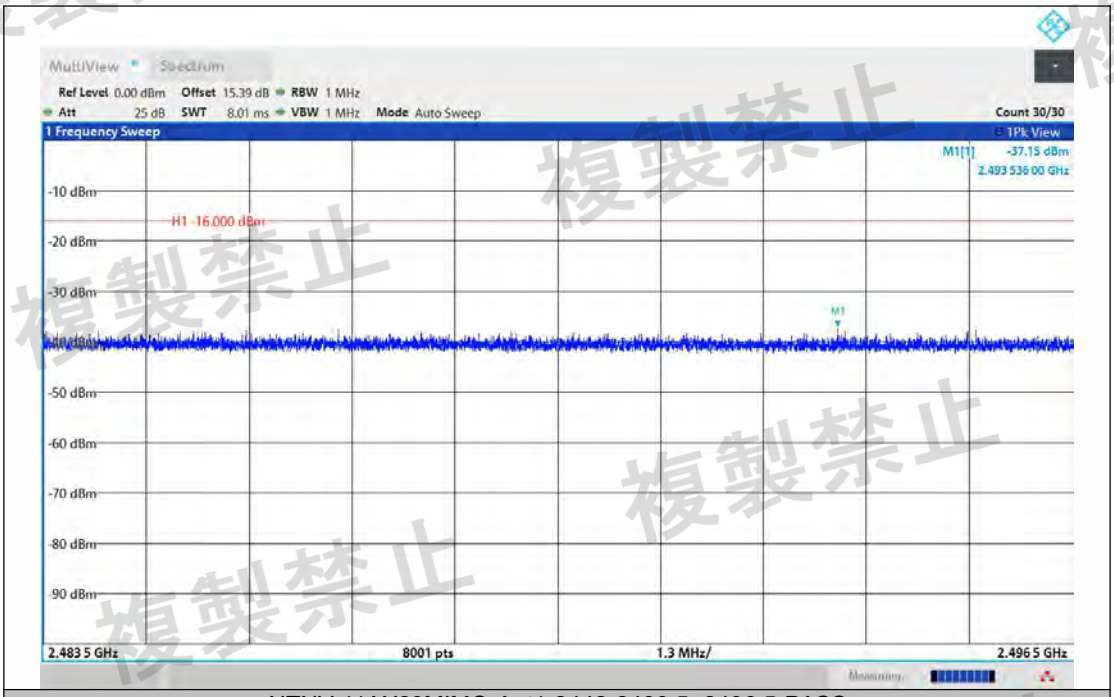
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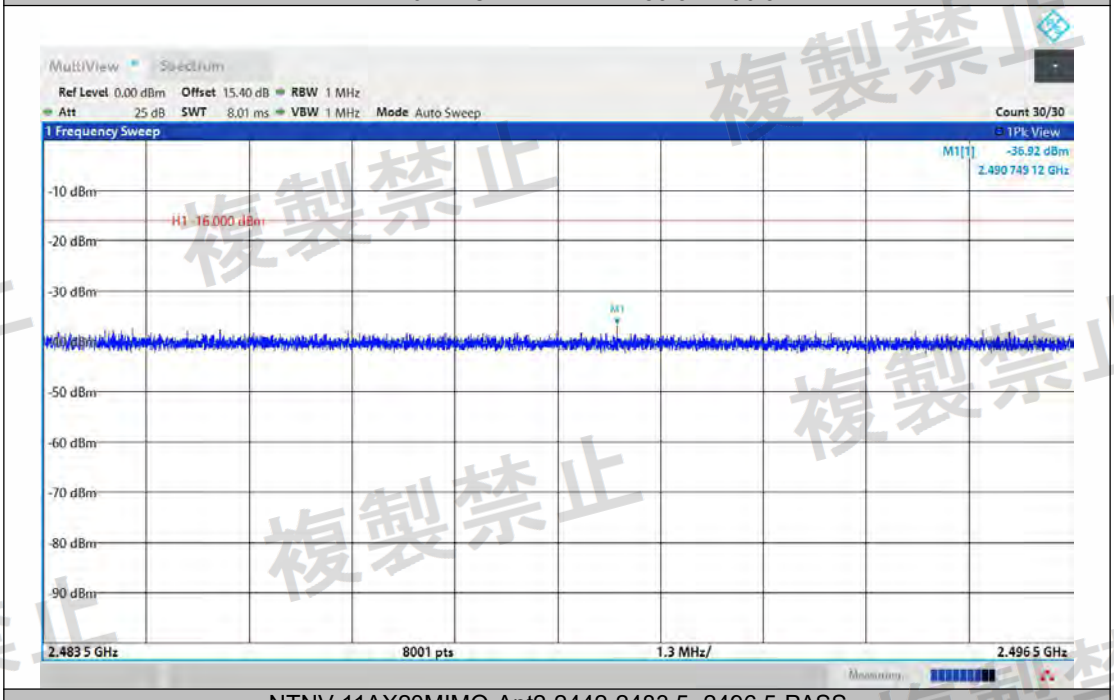
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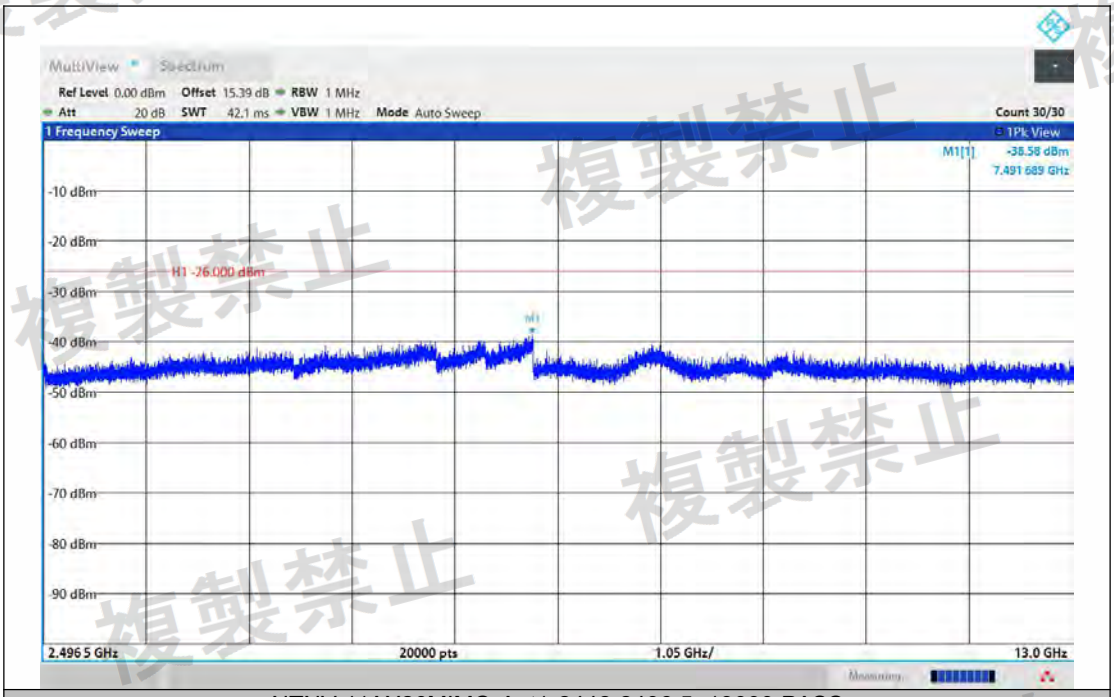
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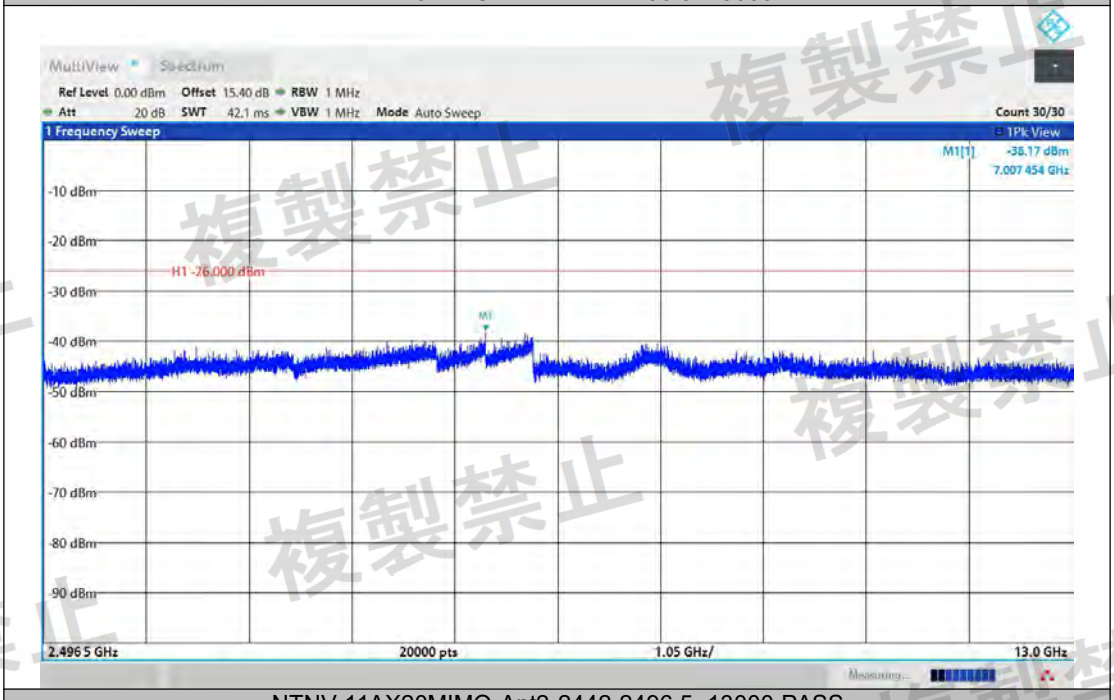
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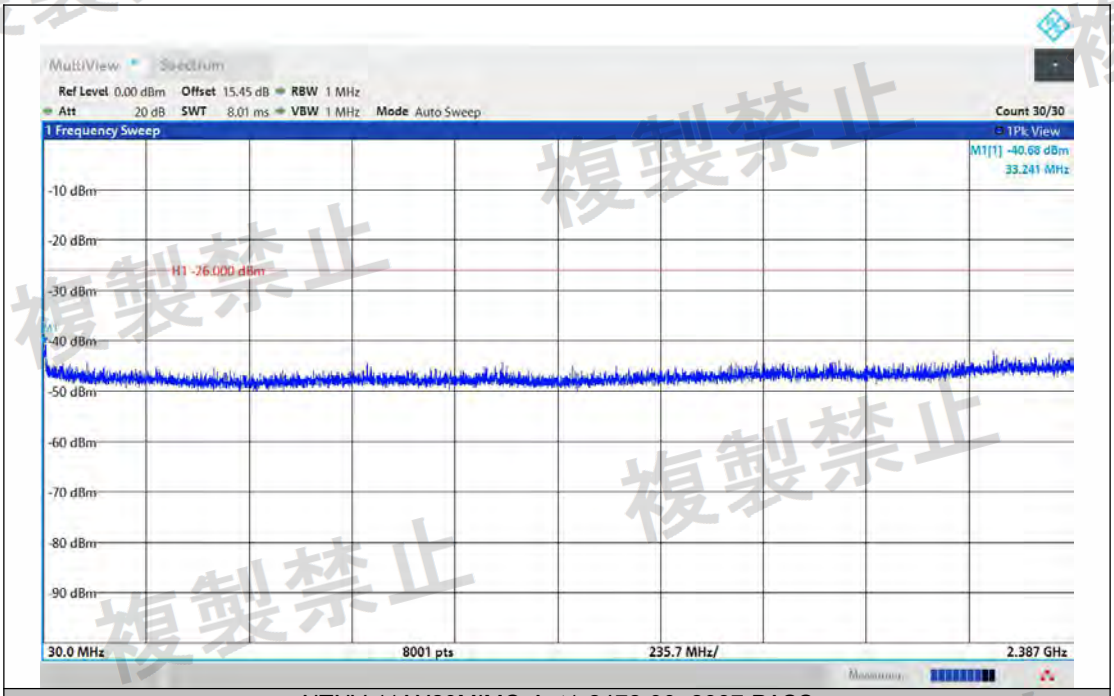
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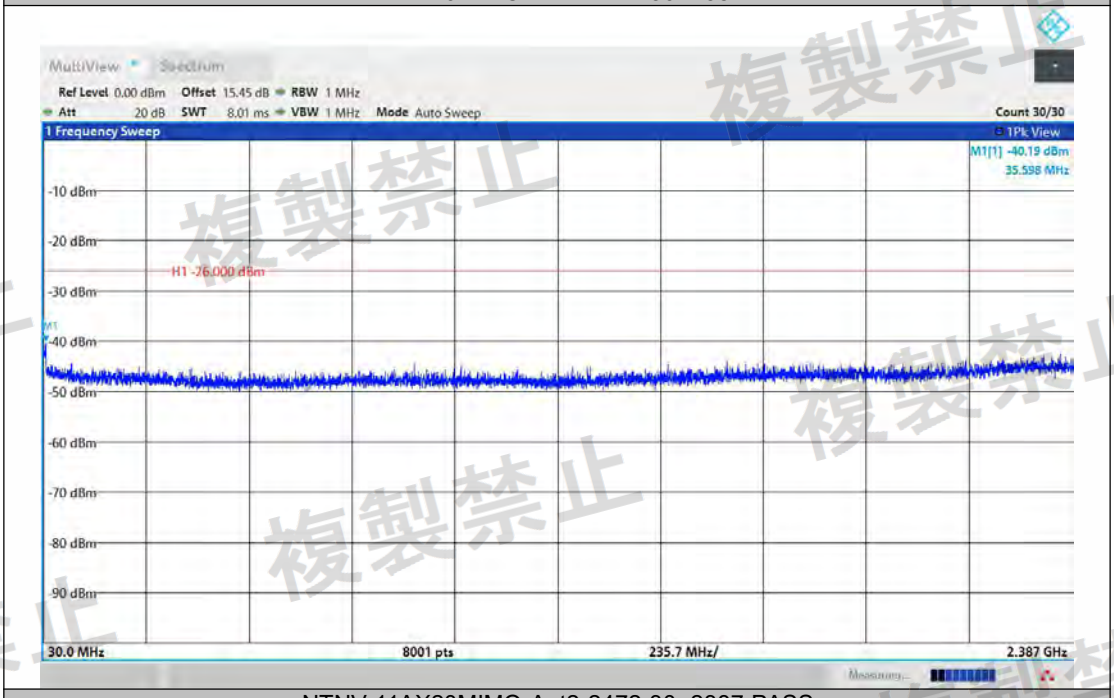
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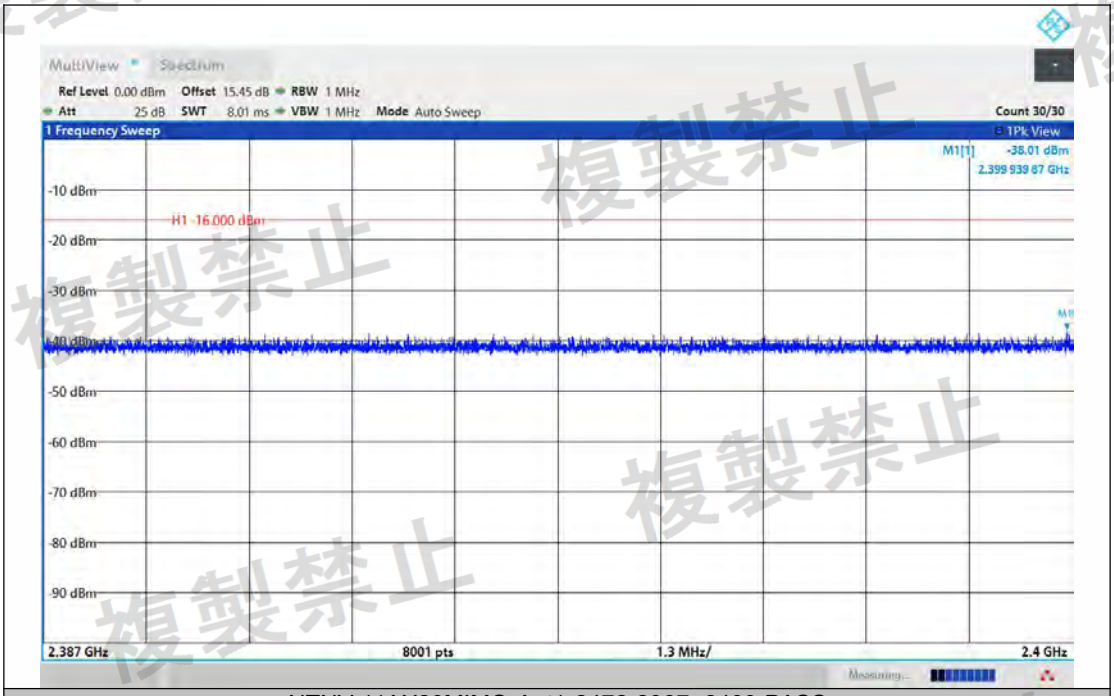
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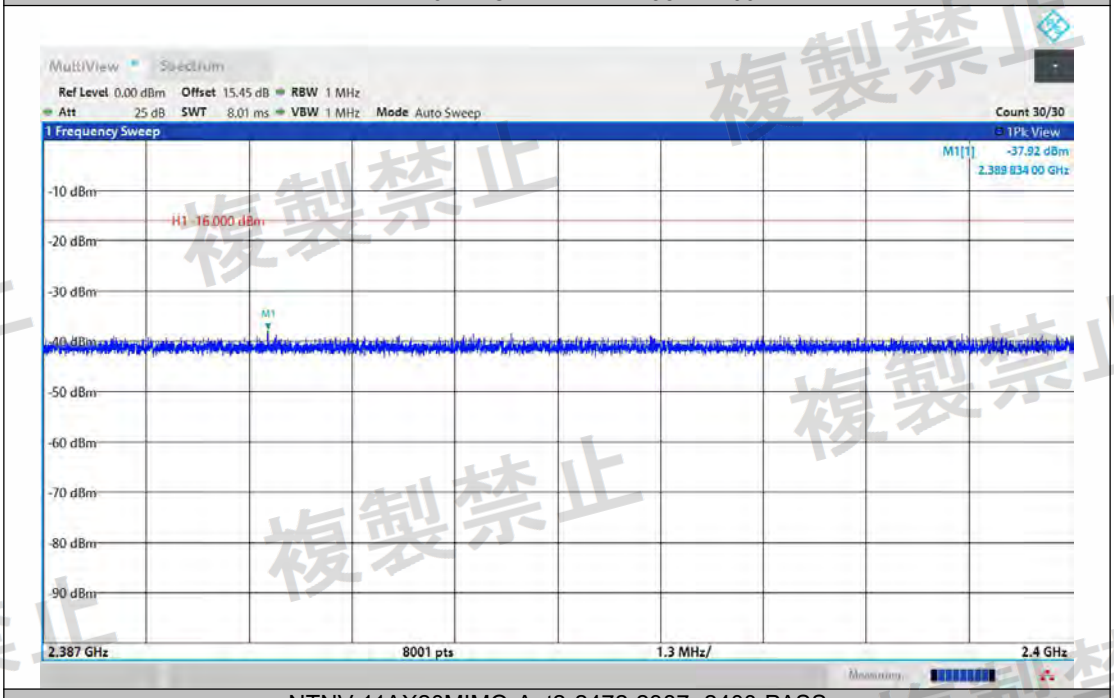
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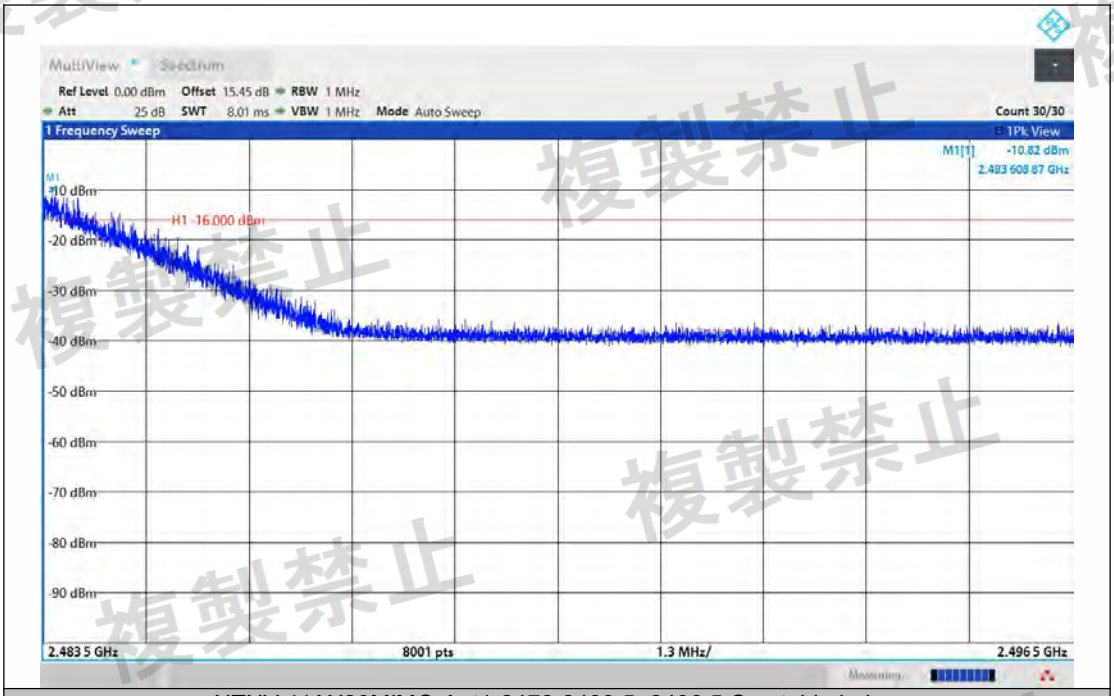
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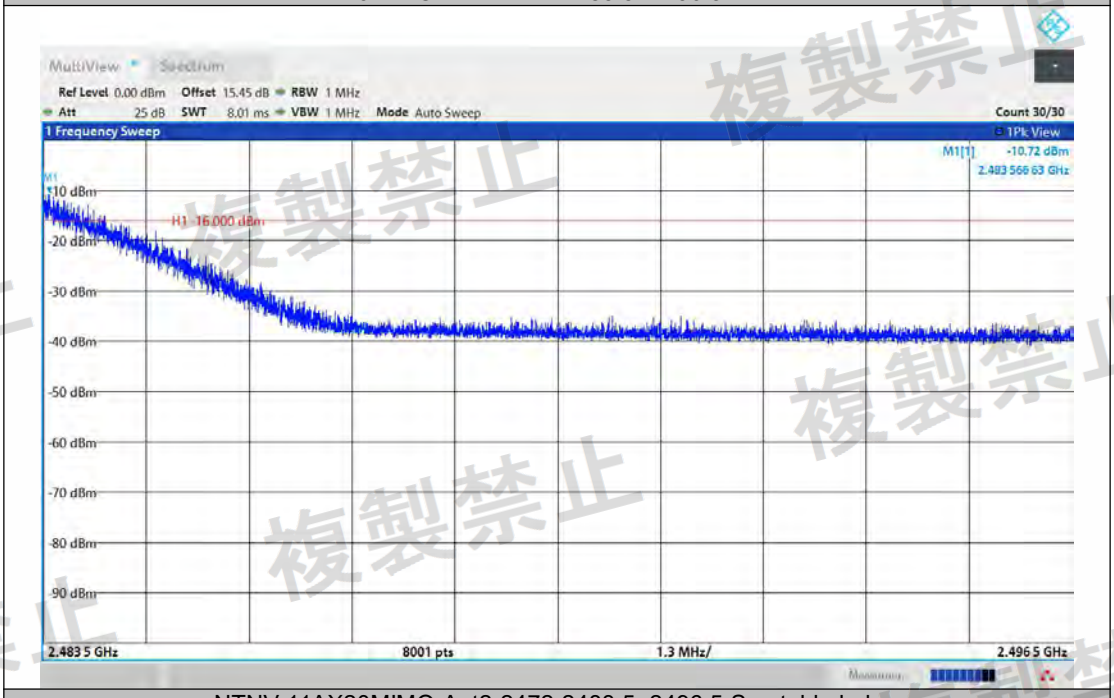
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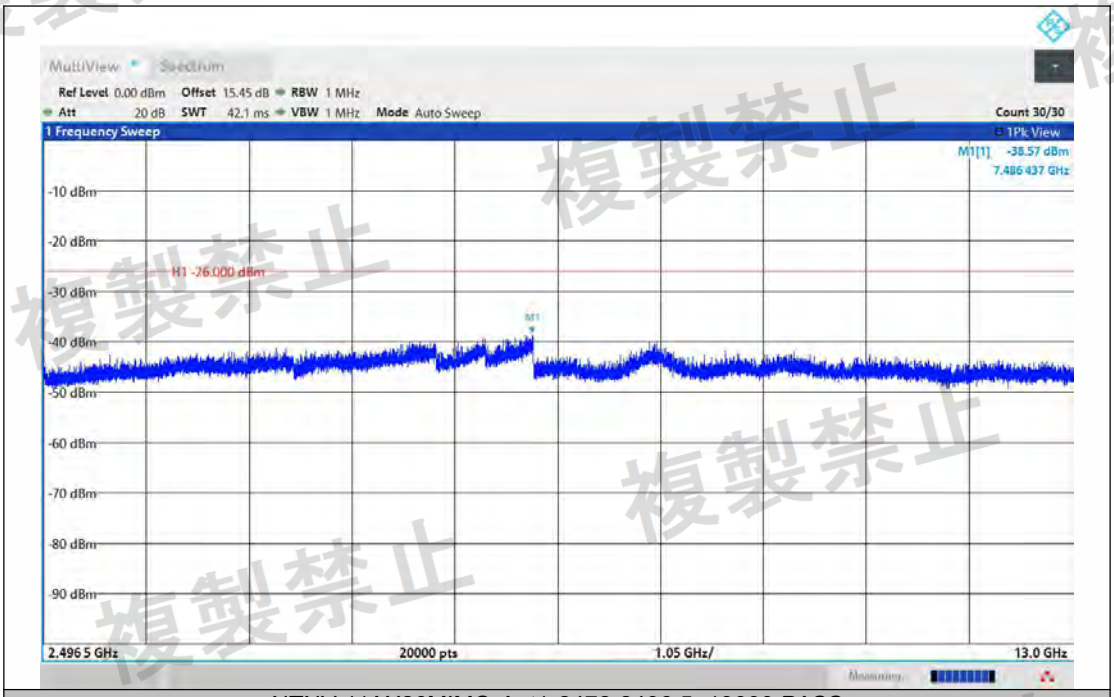
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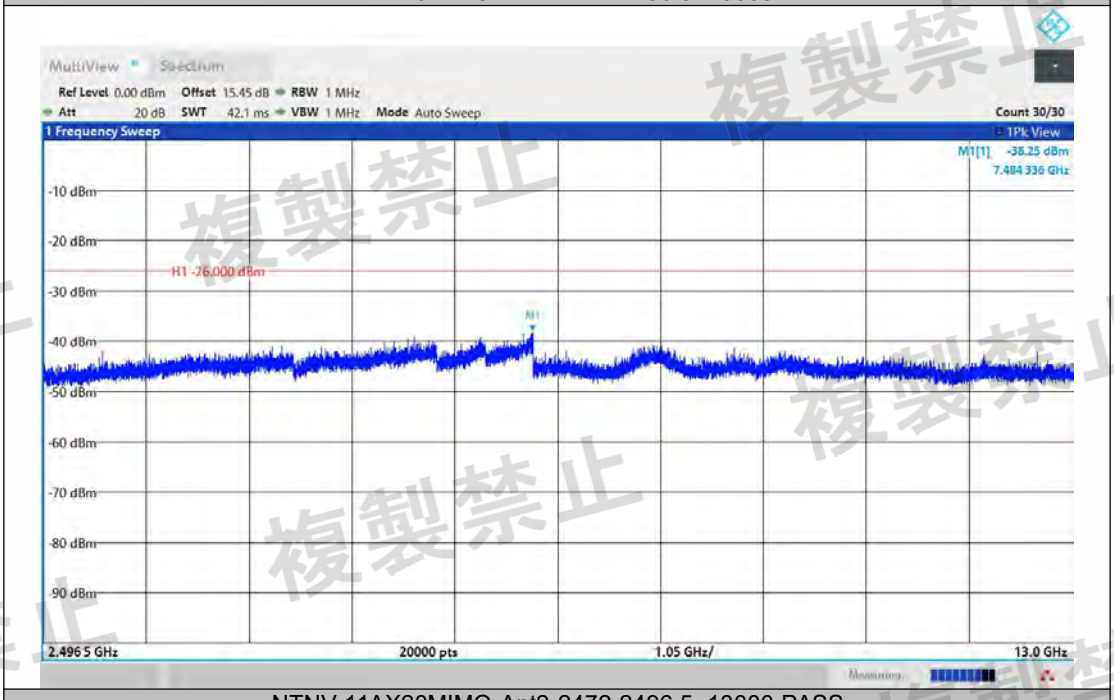
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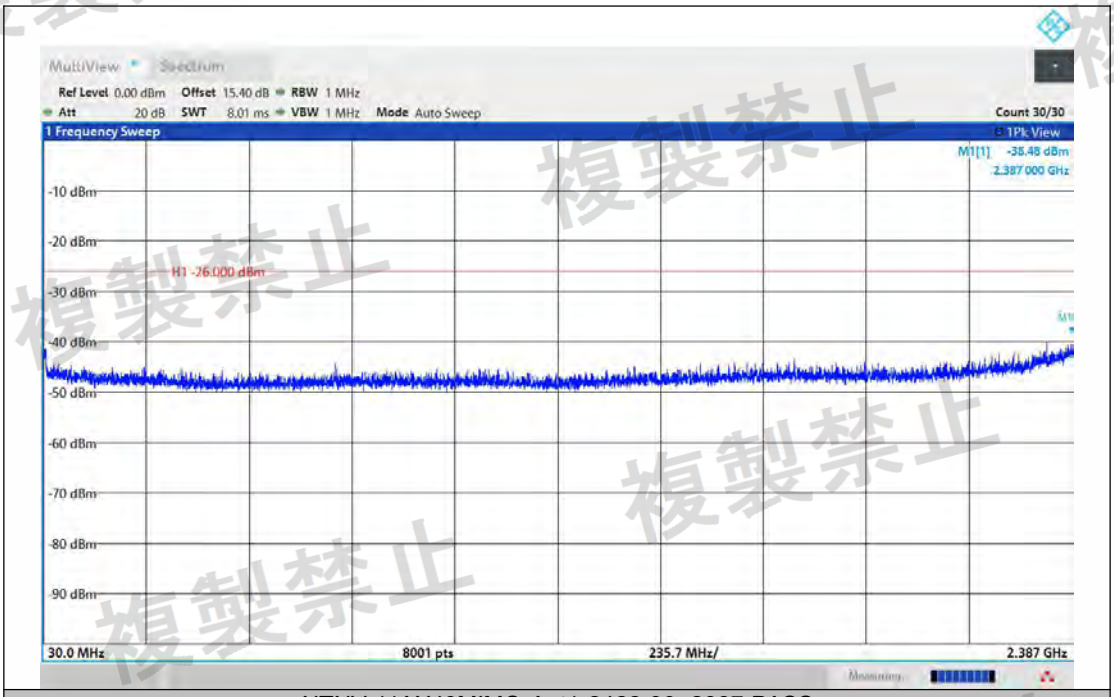
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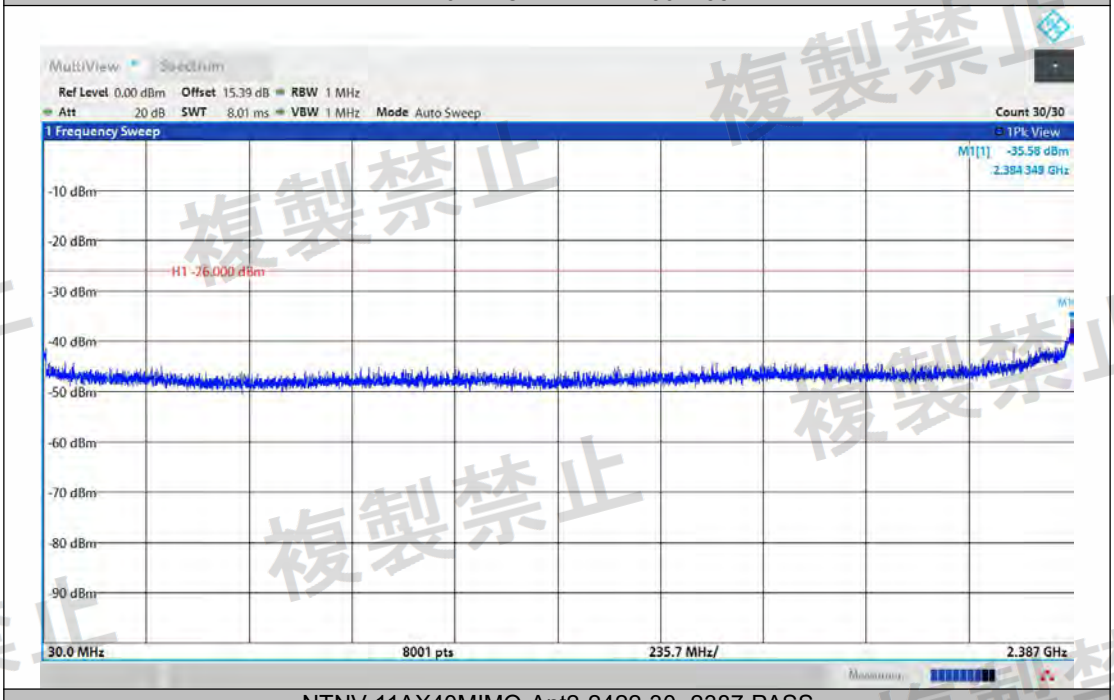
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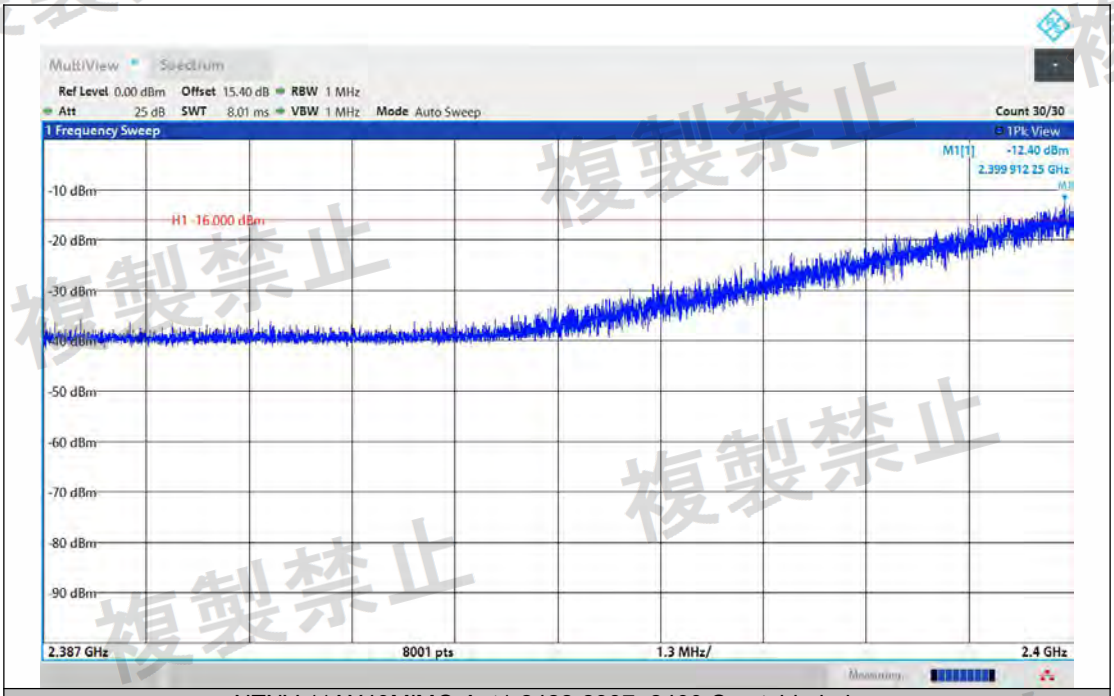
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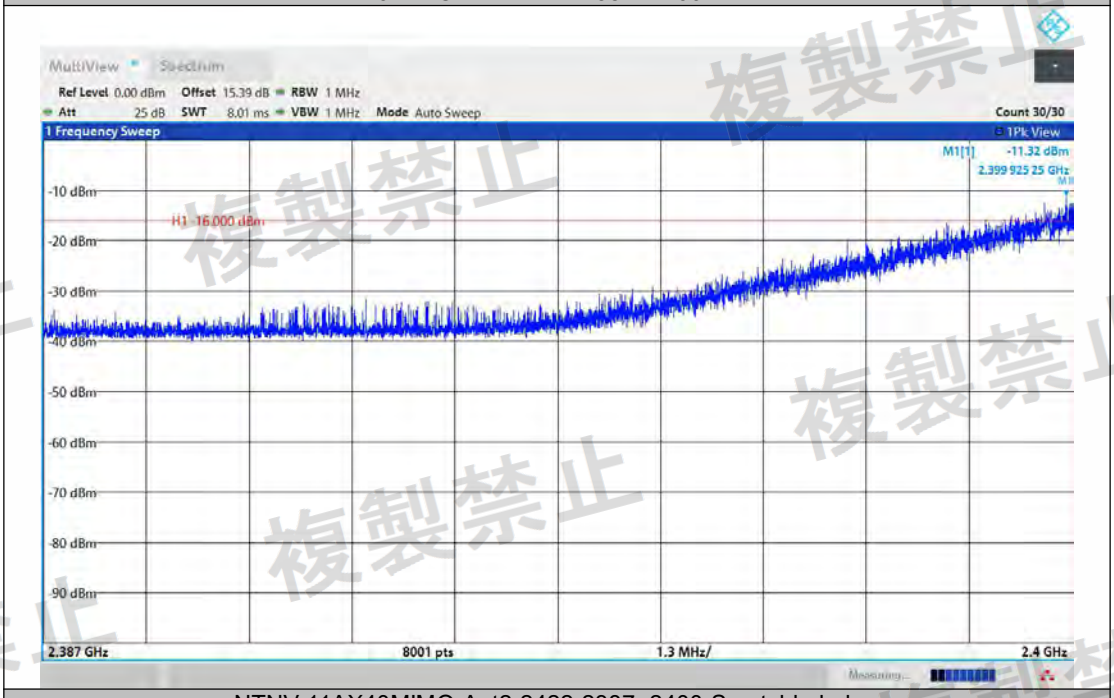
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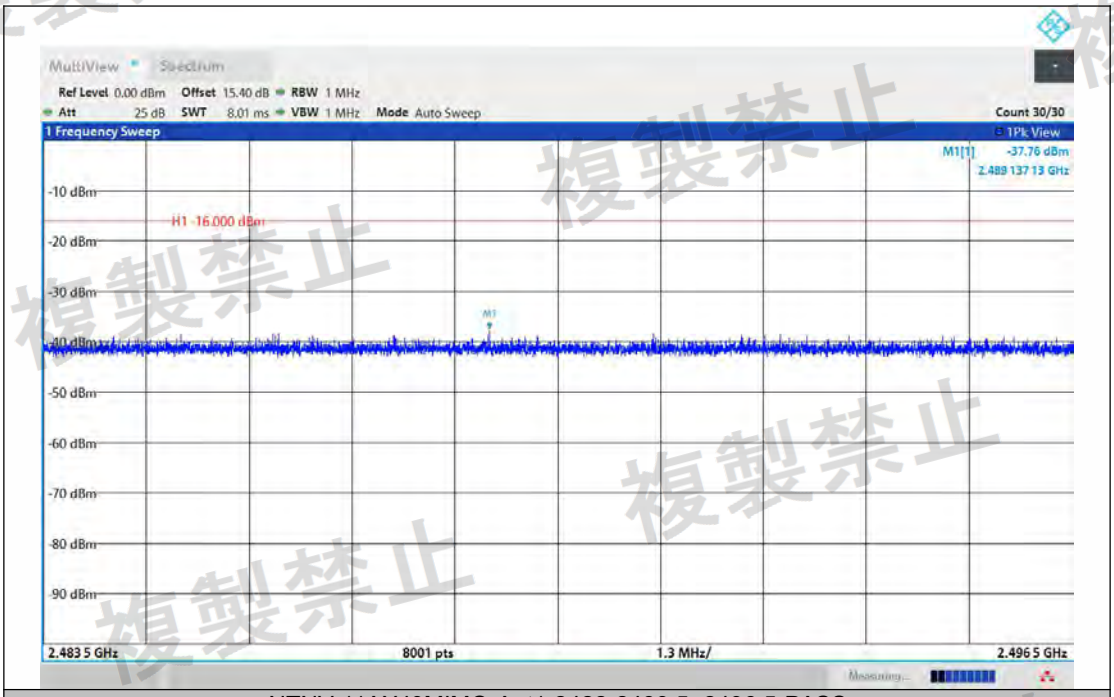
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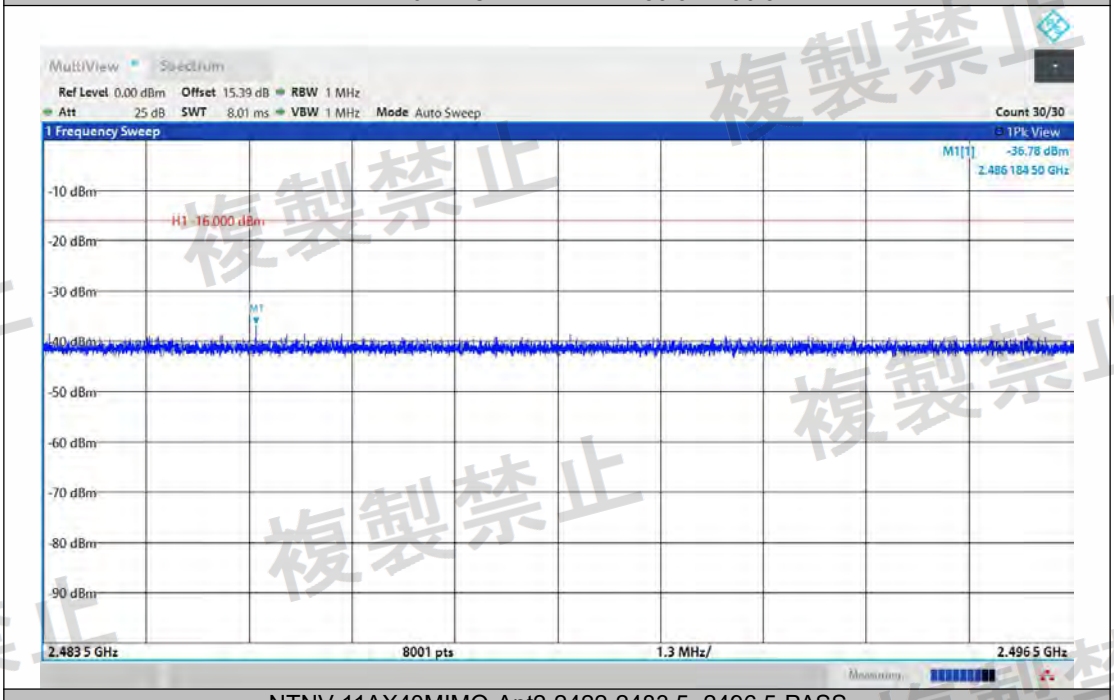
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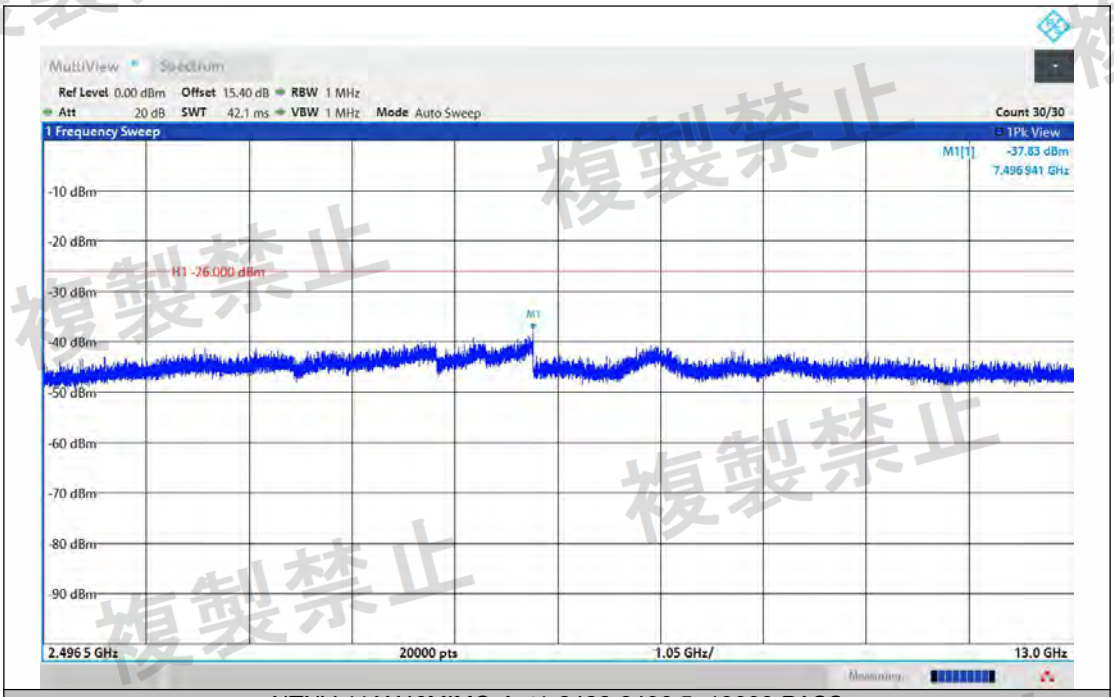
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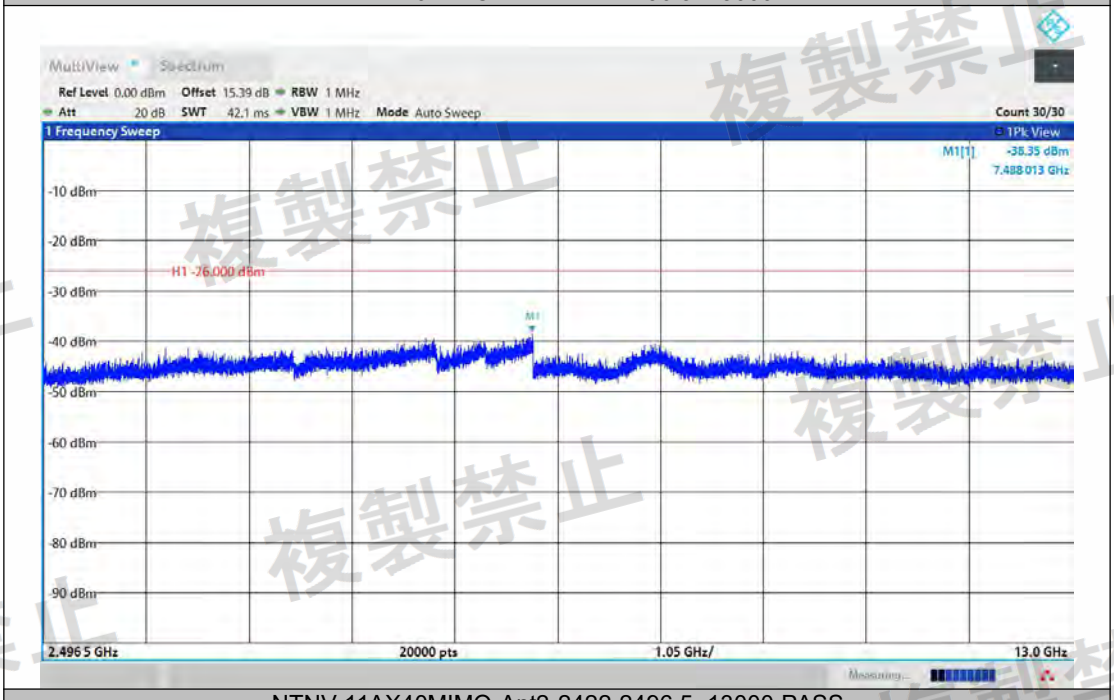
NTNV-11AX40MIMO-Ant1-2422-2483.5~2496.5-PASS



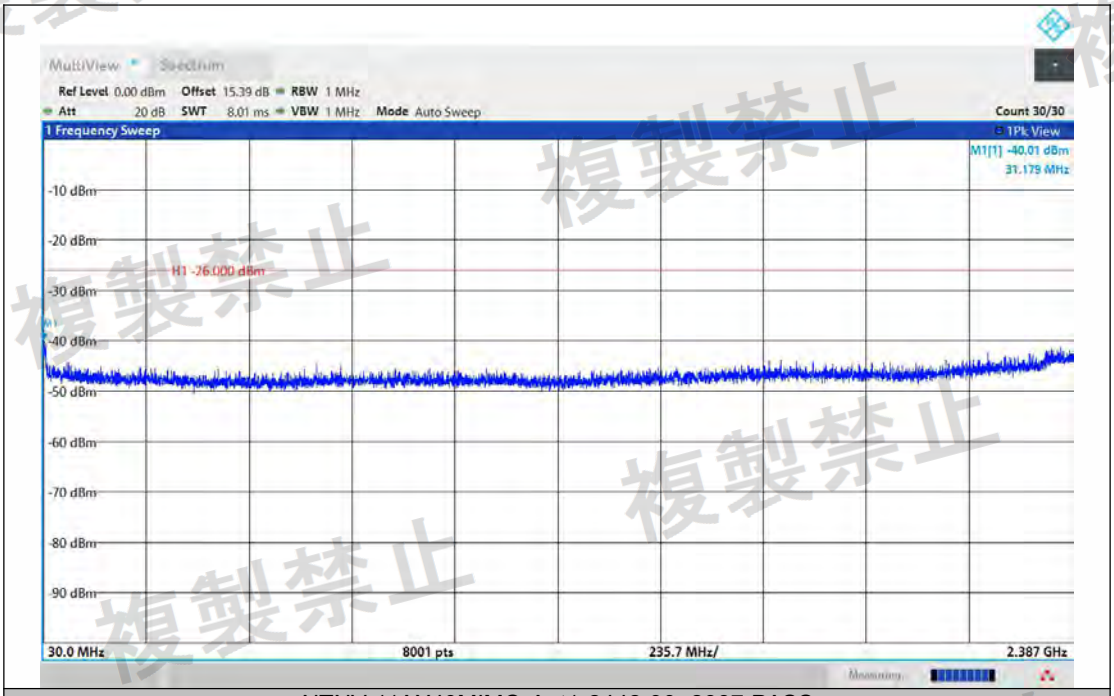
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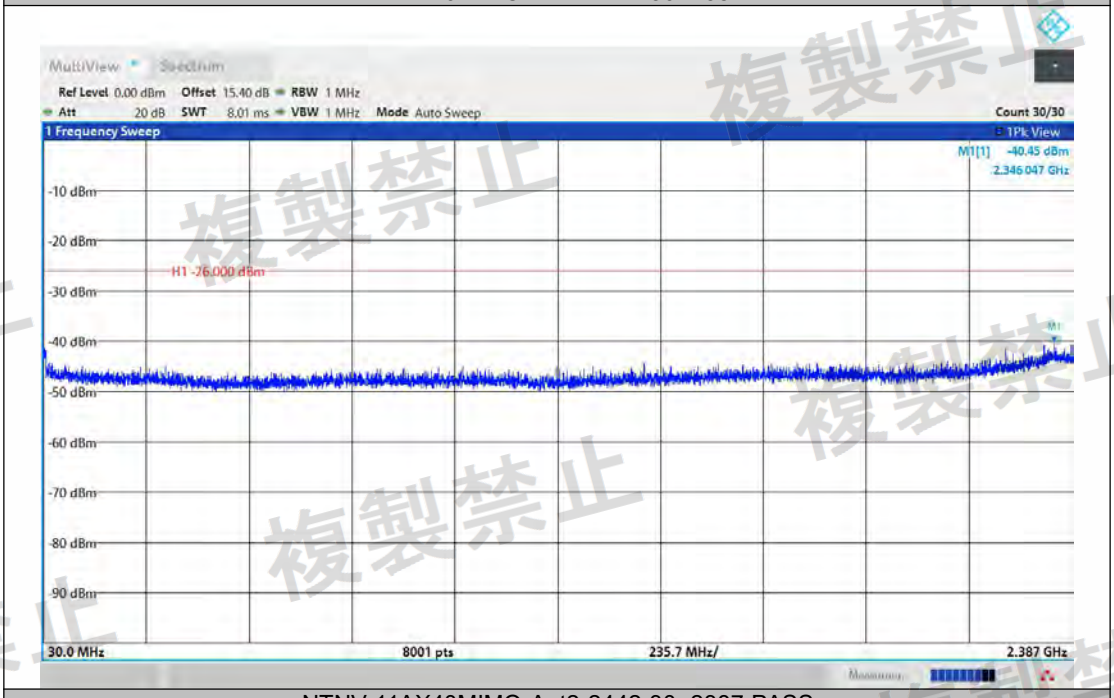
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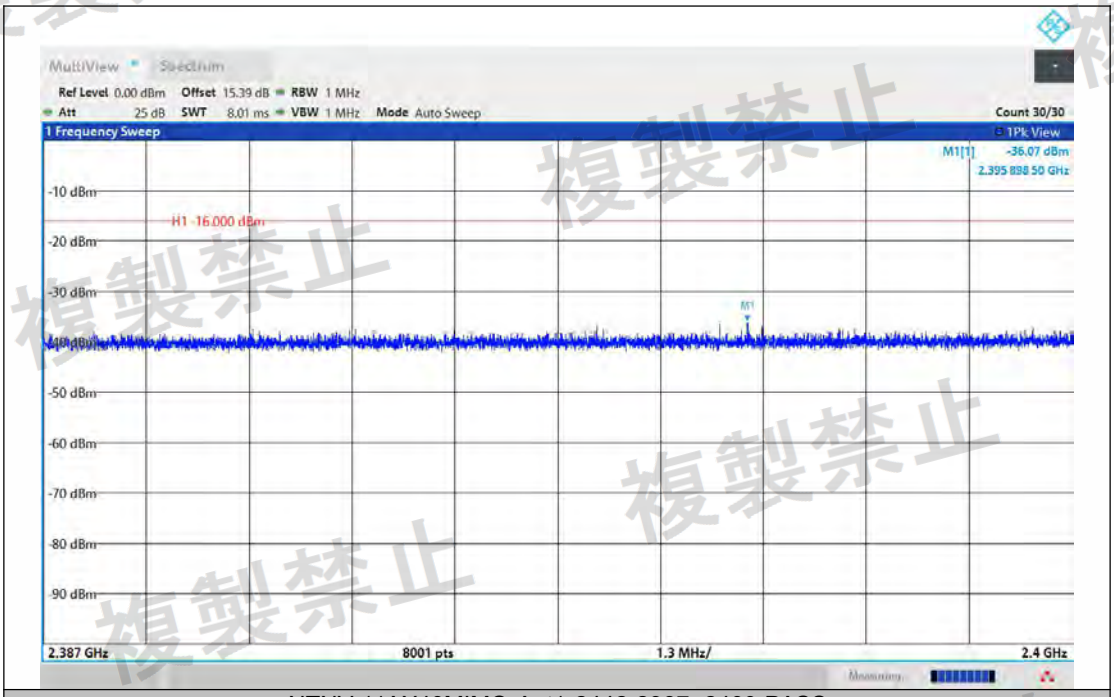
NTNV-11AX40MIMO-Ant2-2422-2496.5~13000-PASS



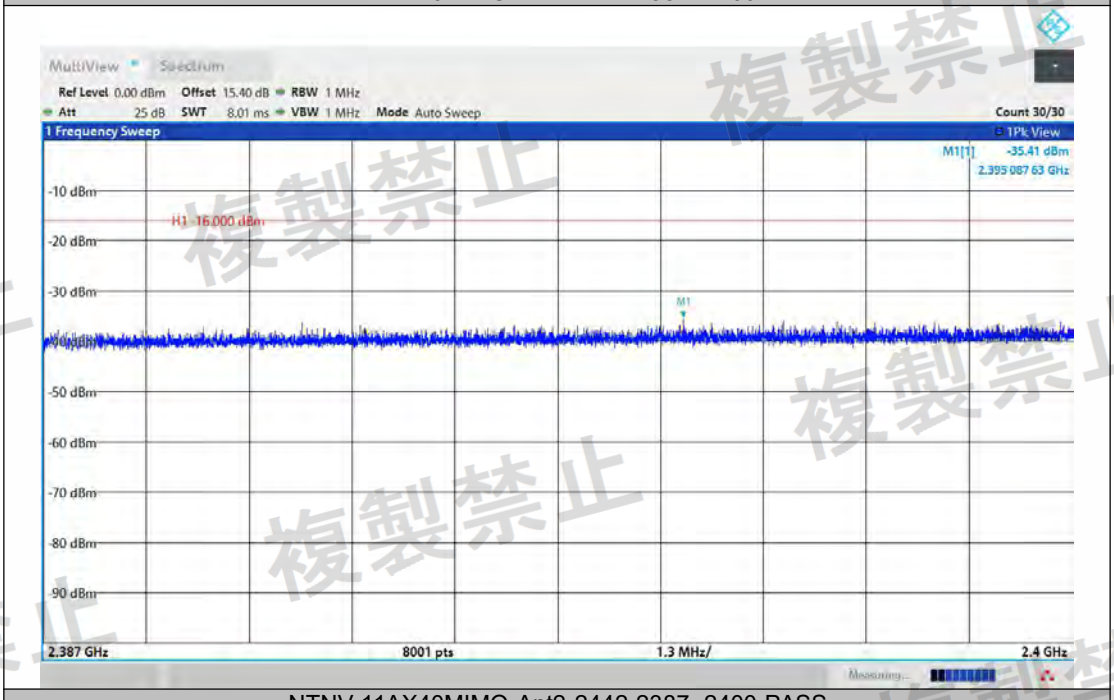
NTNV-11AX40MIMO-Ant1-2442-30~2387-PASS



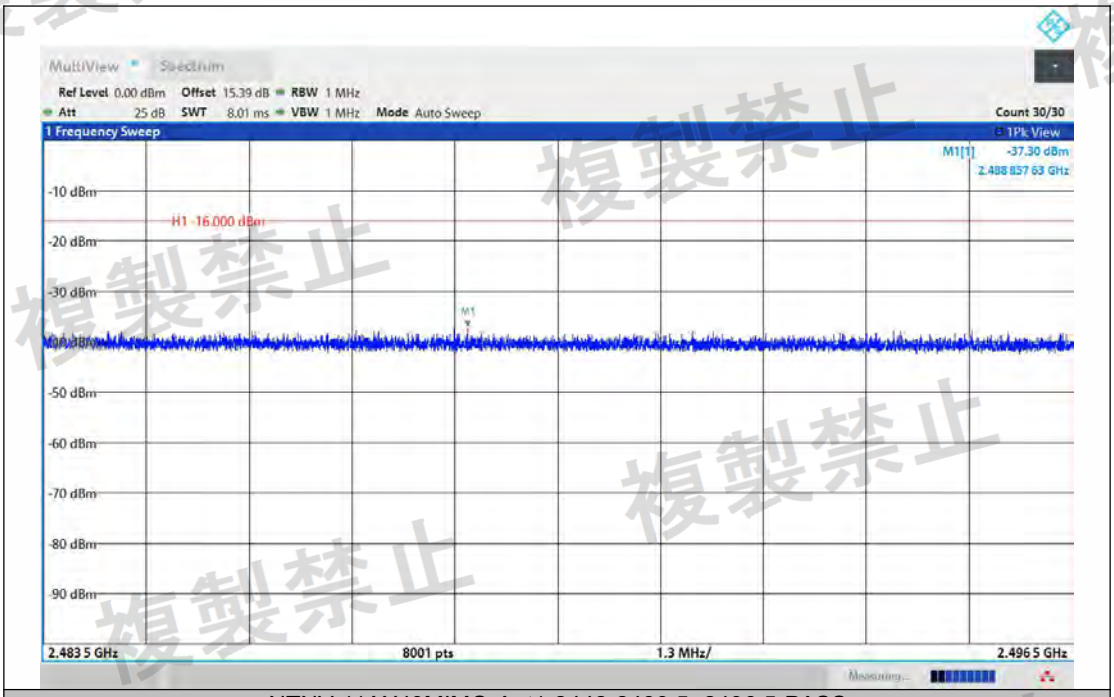
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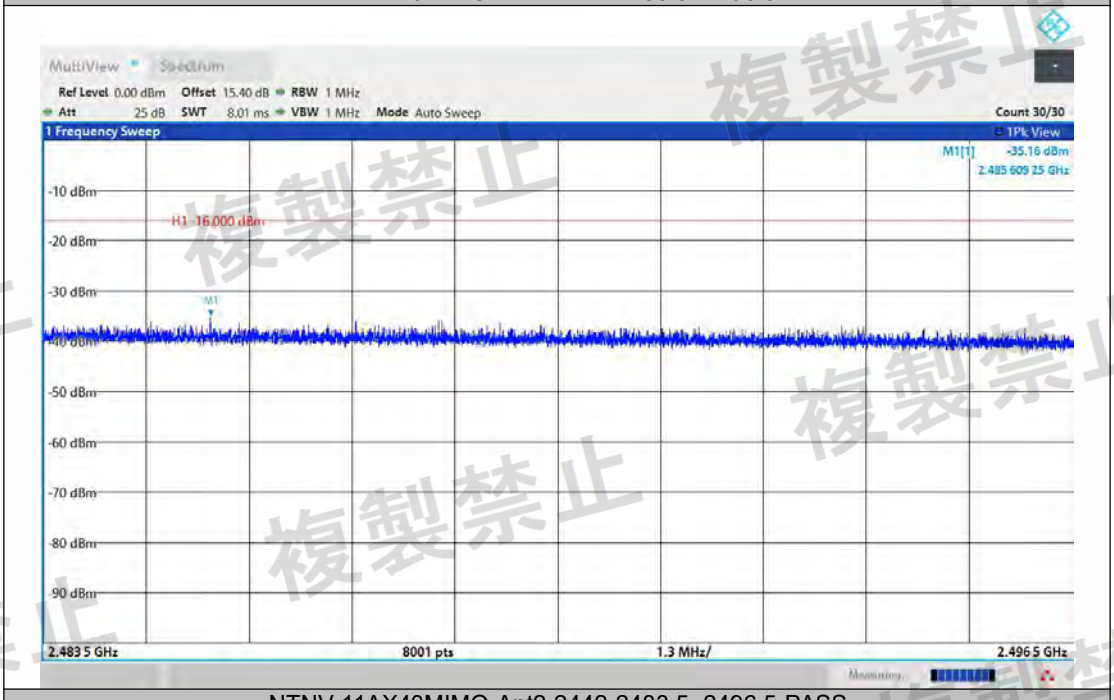
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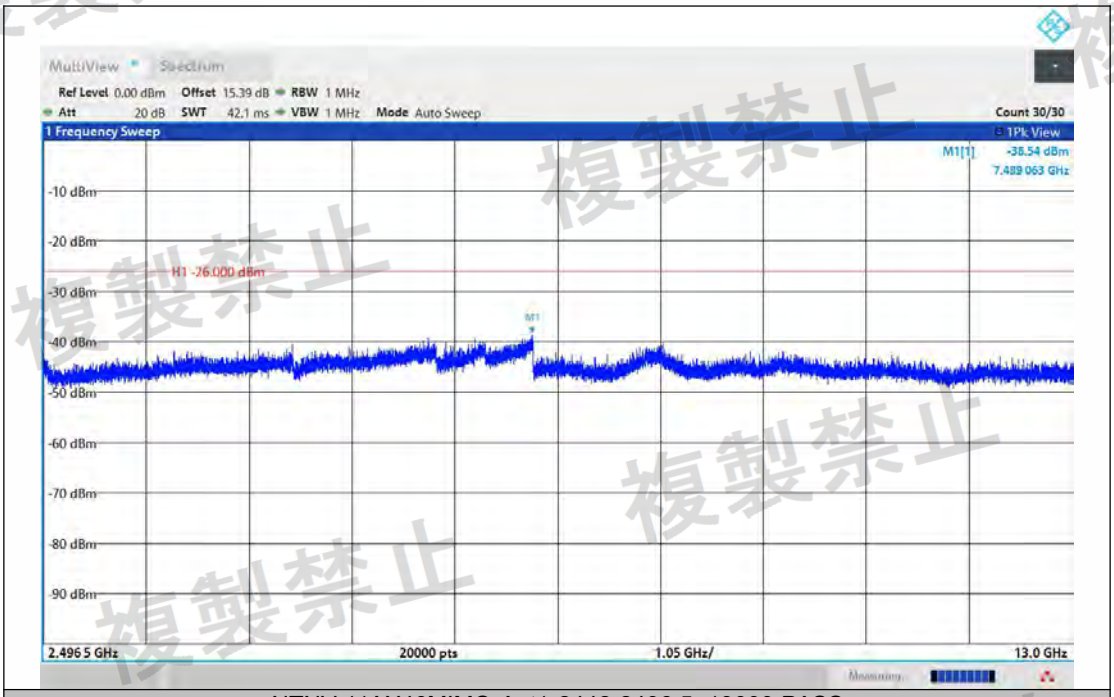
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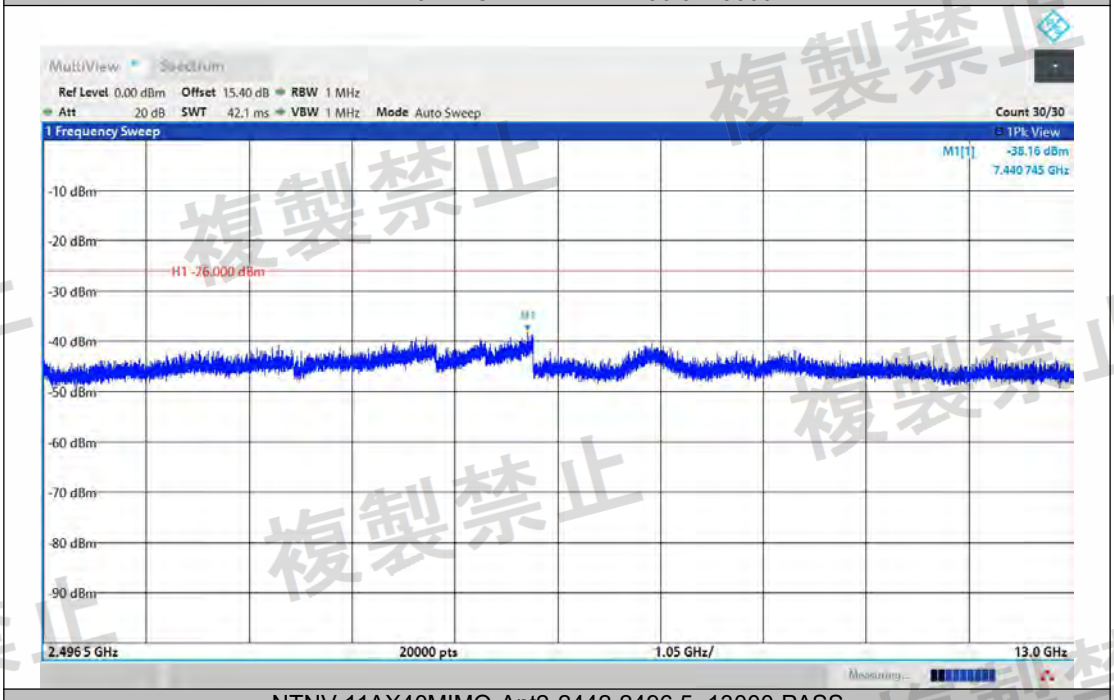
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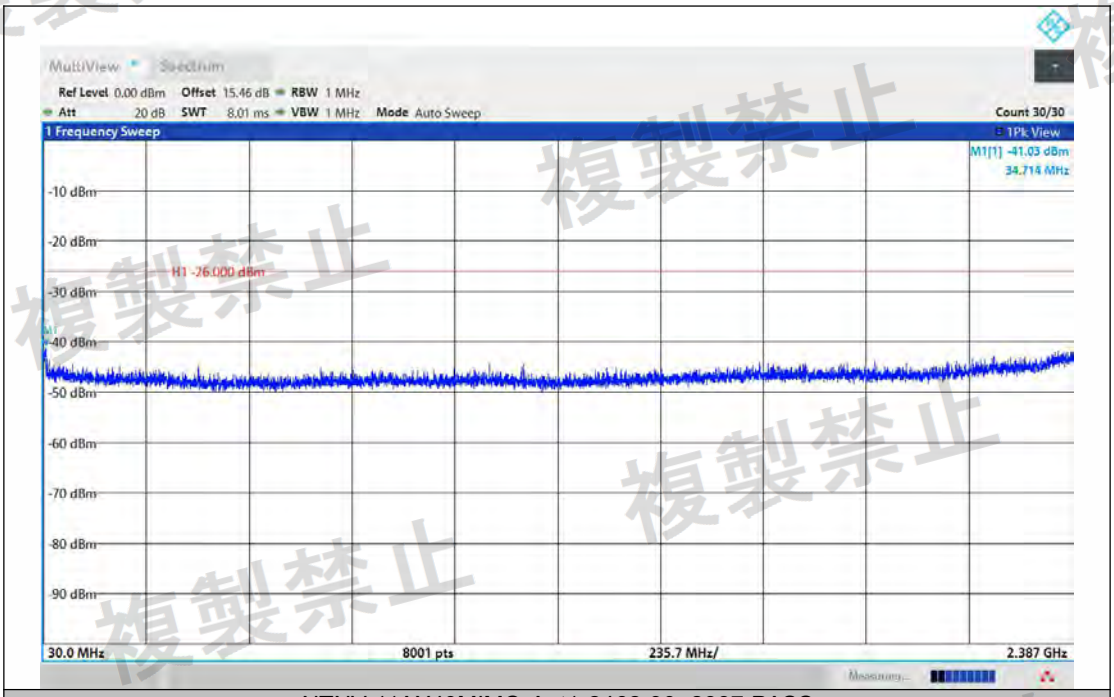
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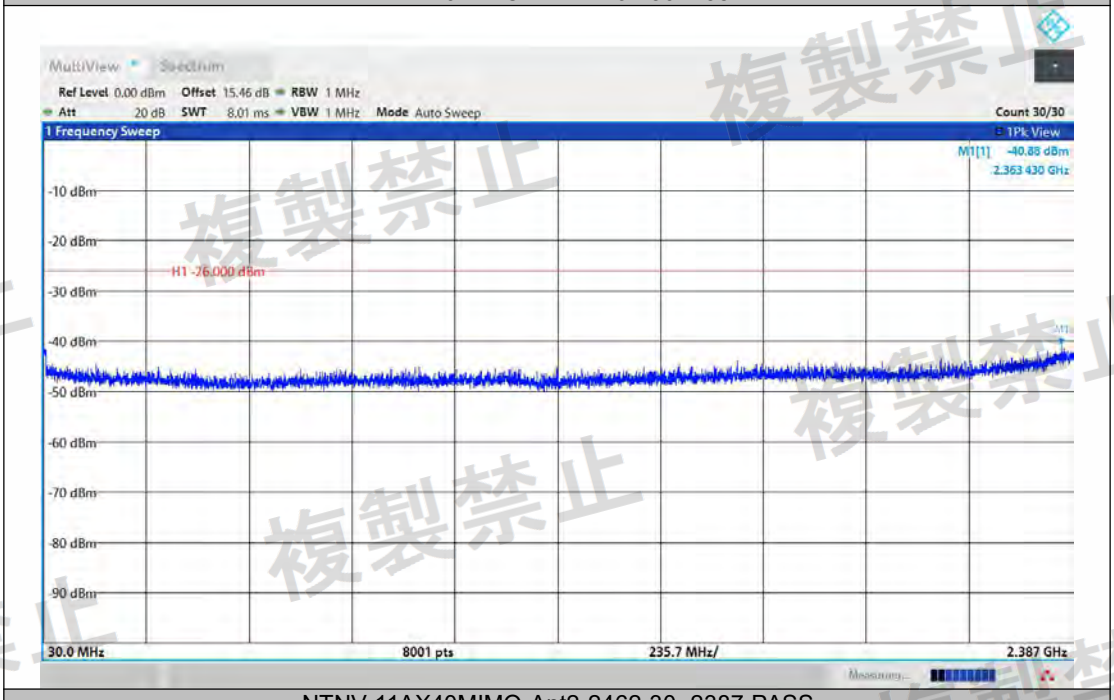
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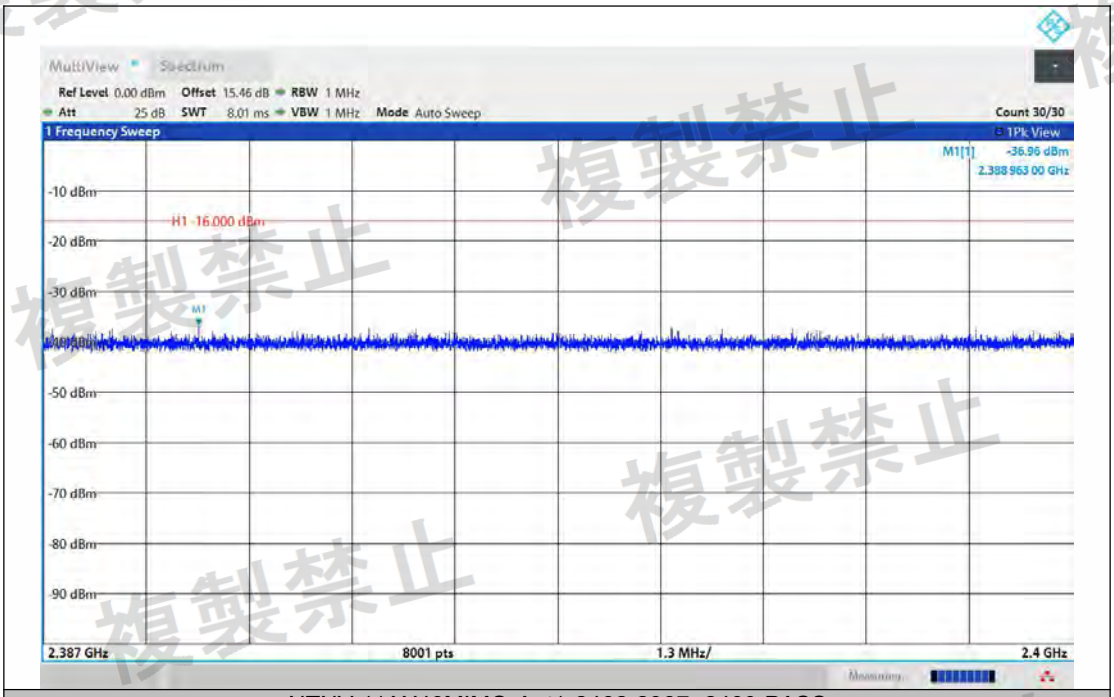
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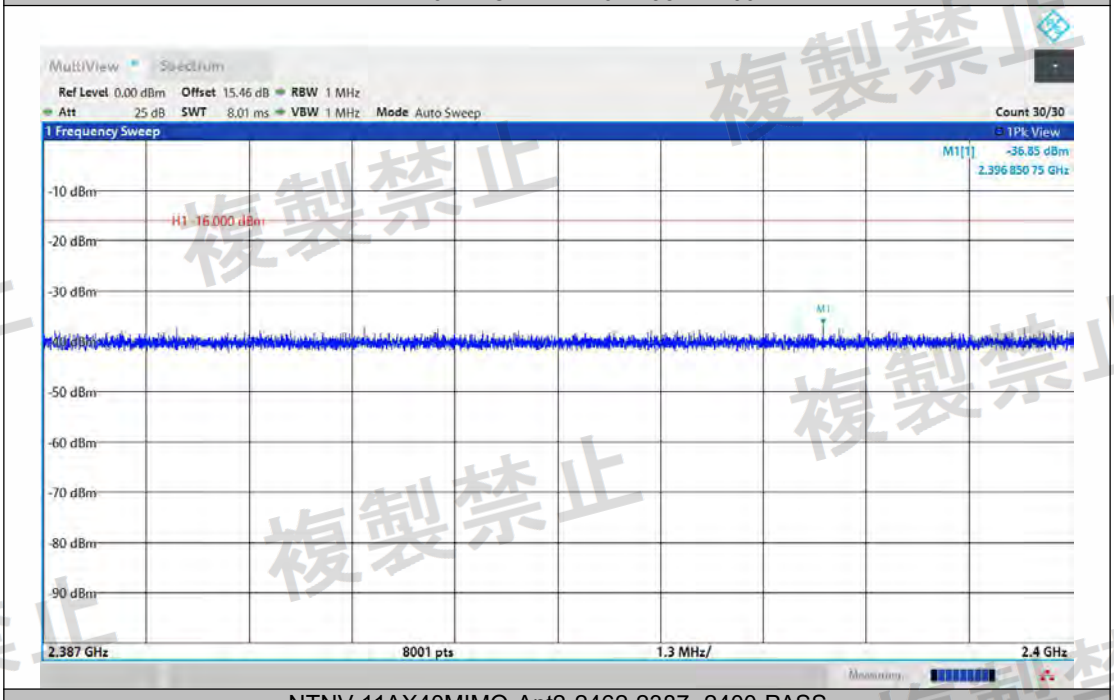
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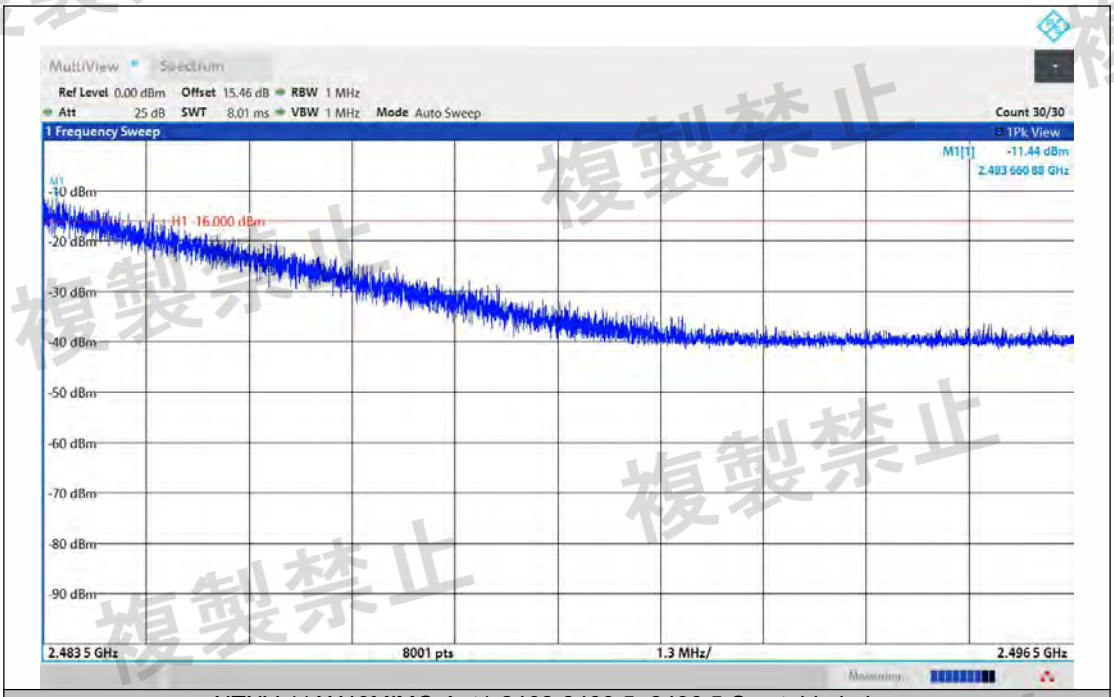
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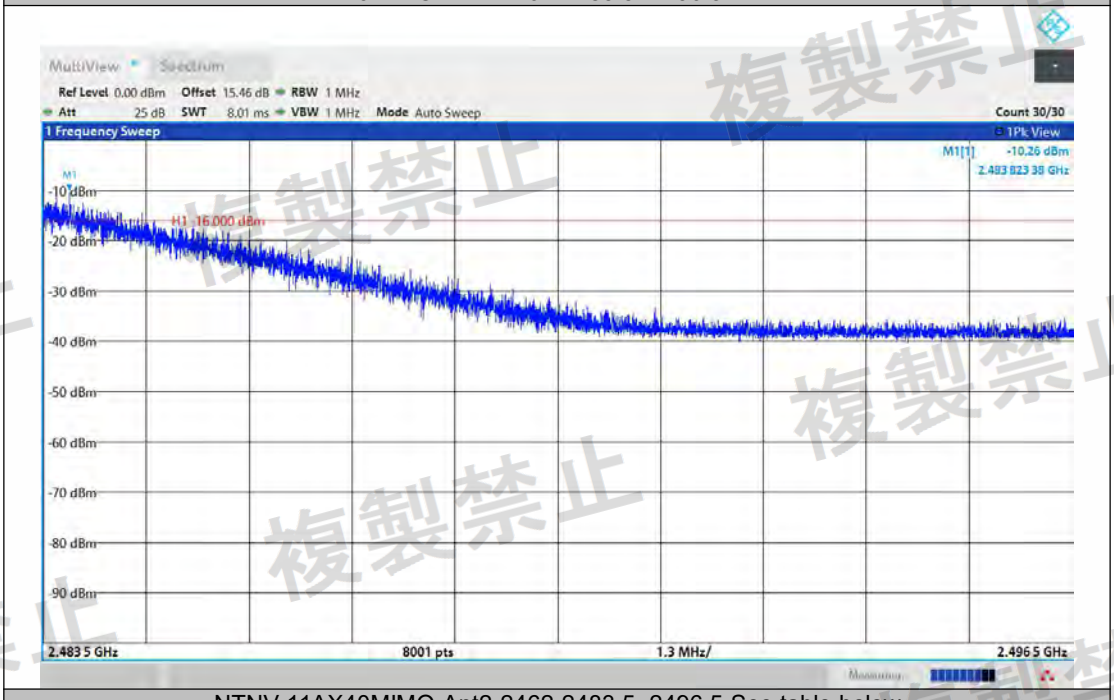
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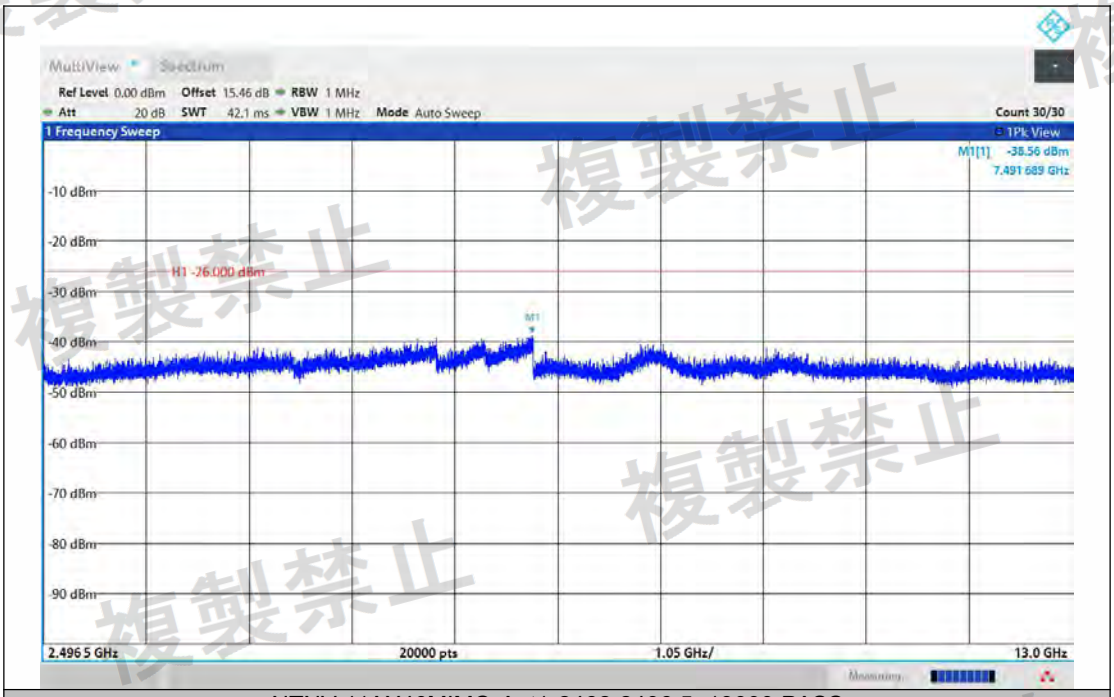
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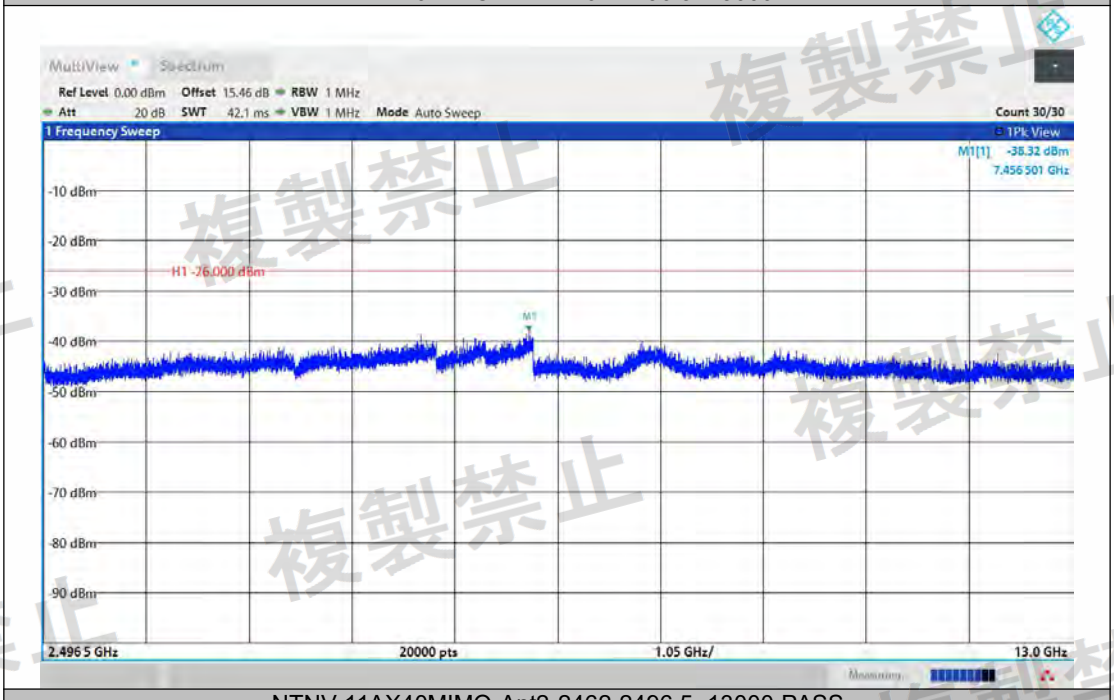
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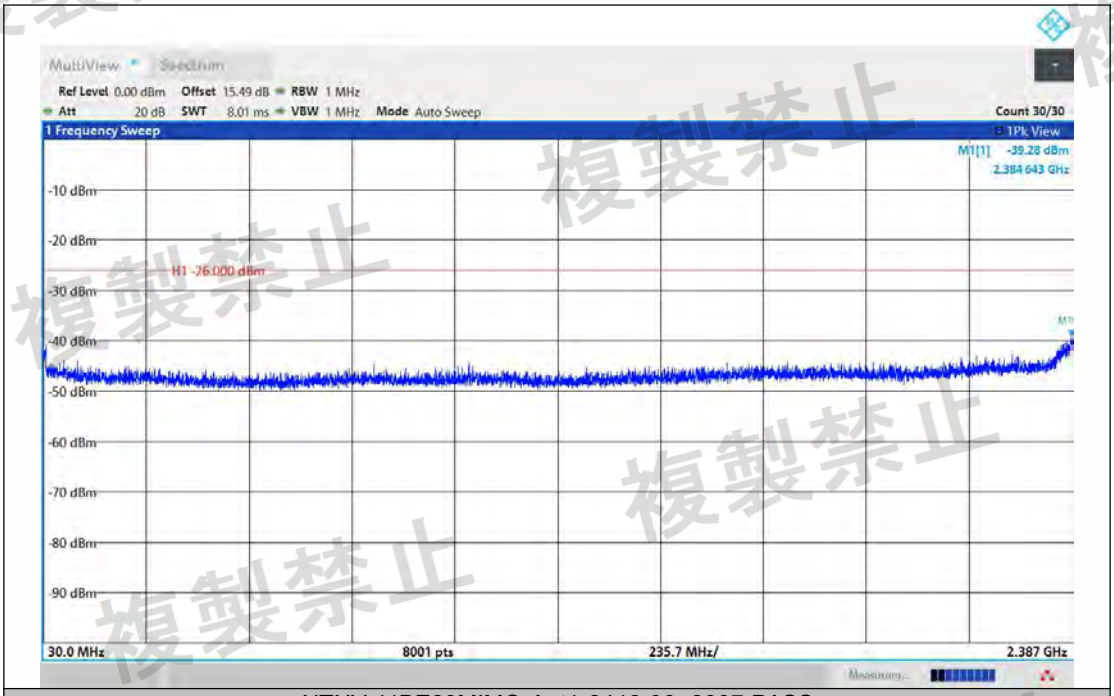
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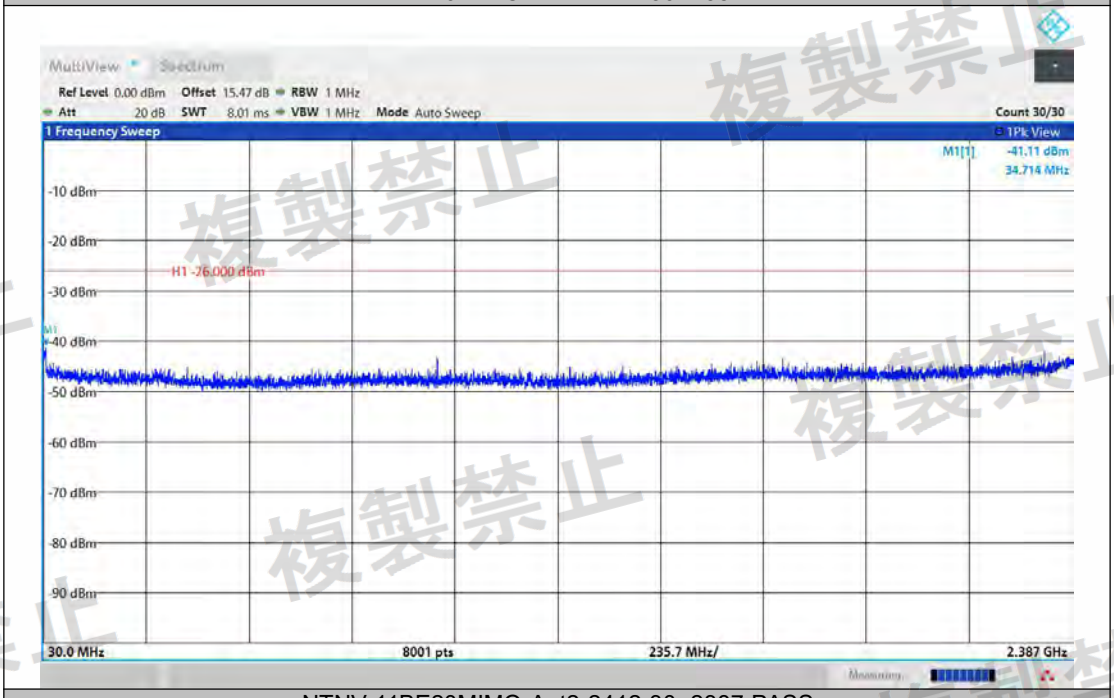
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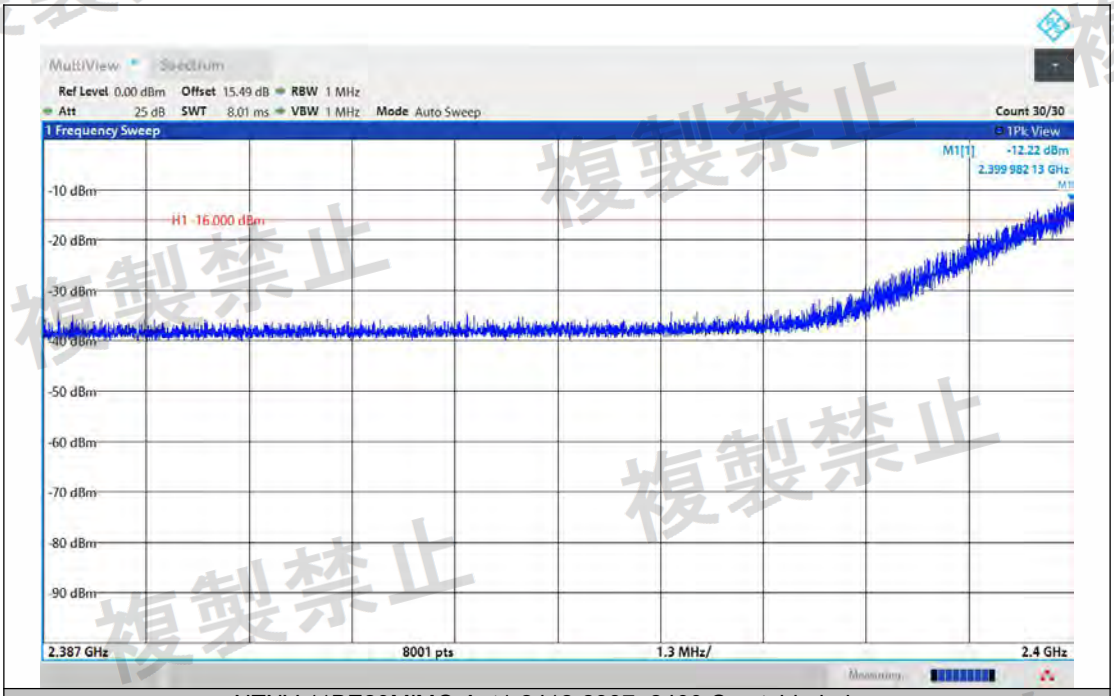
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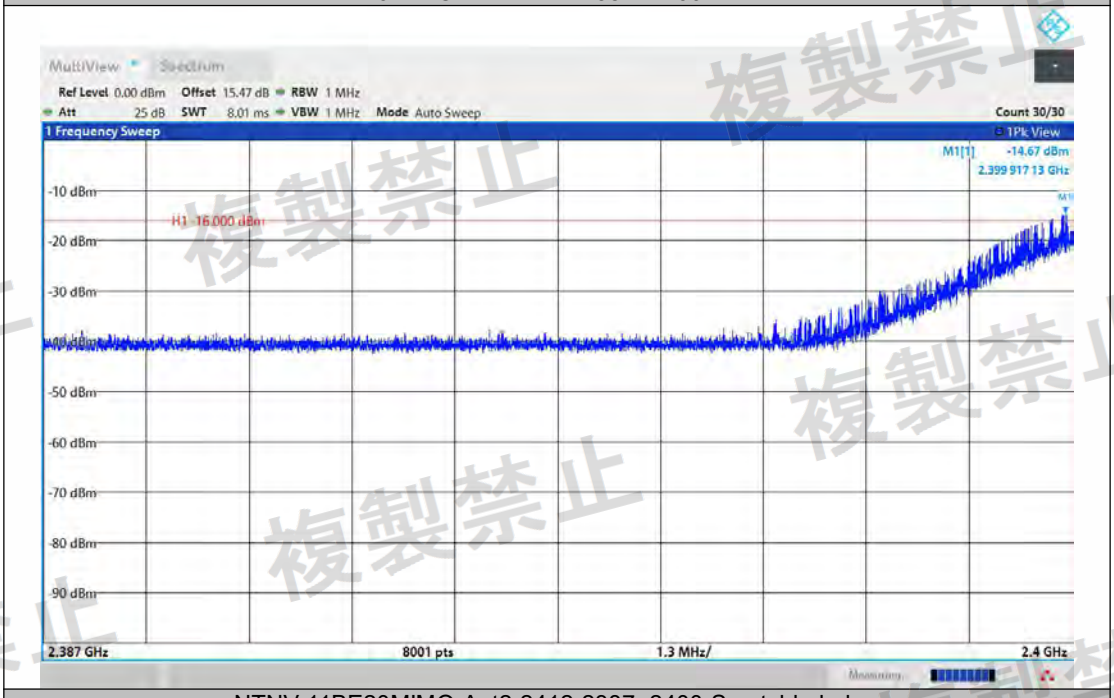
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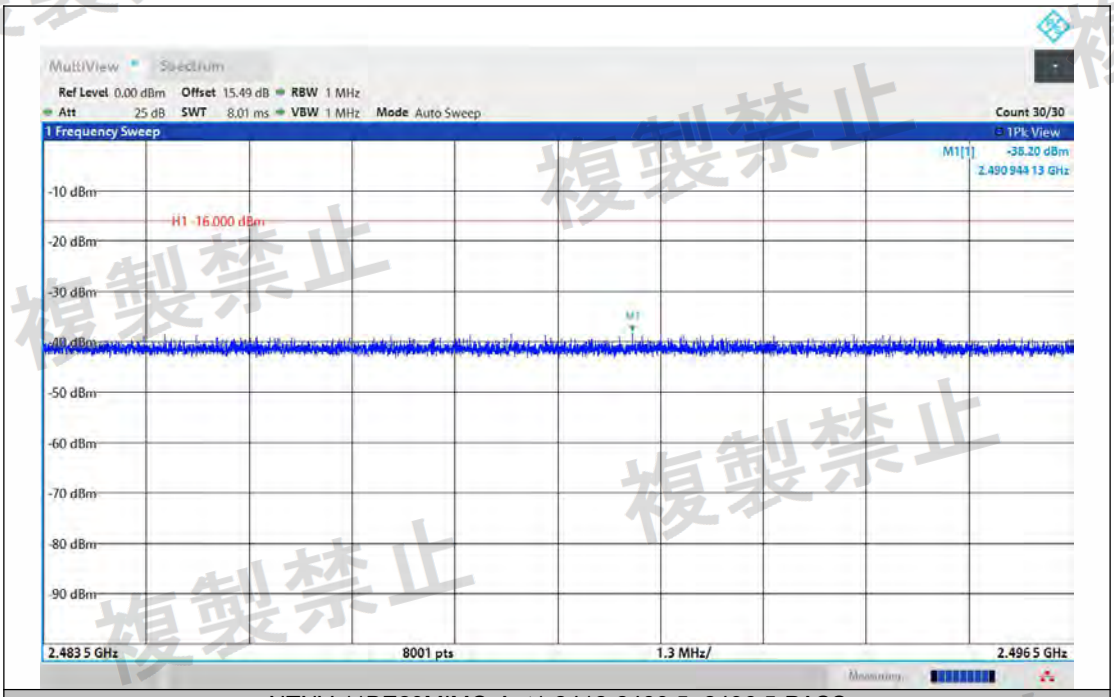
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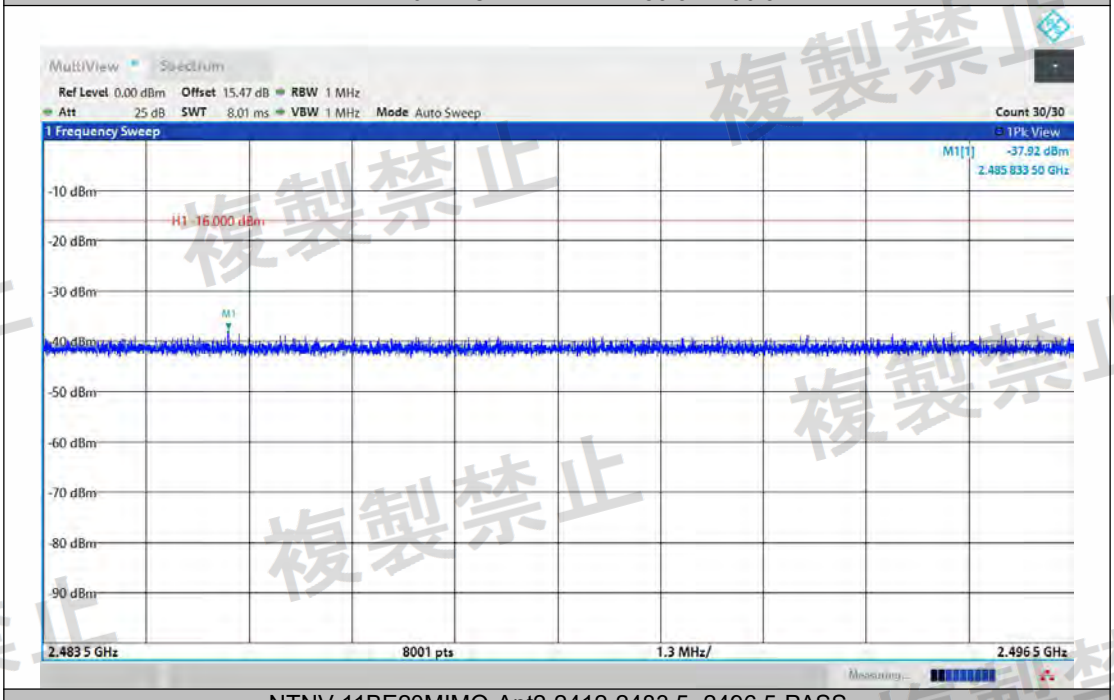
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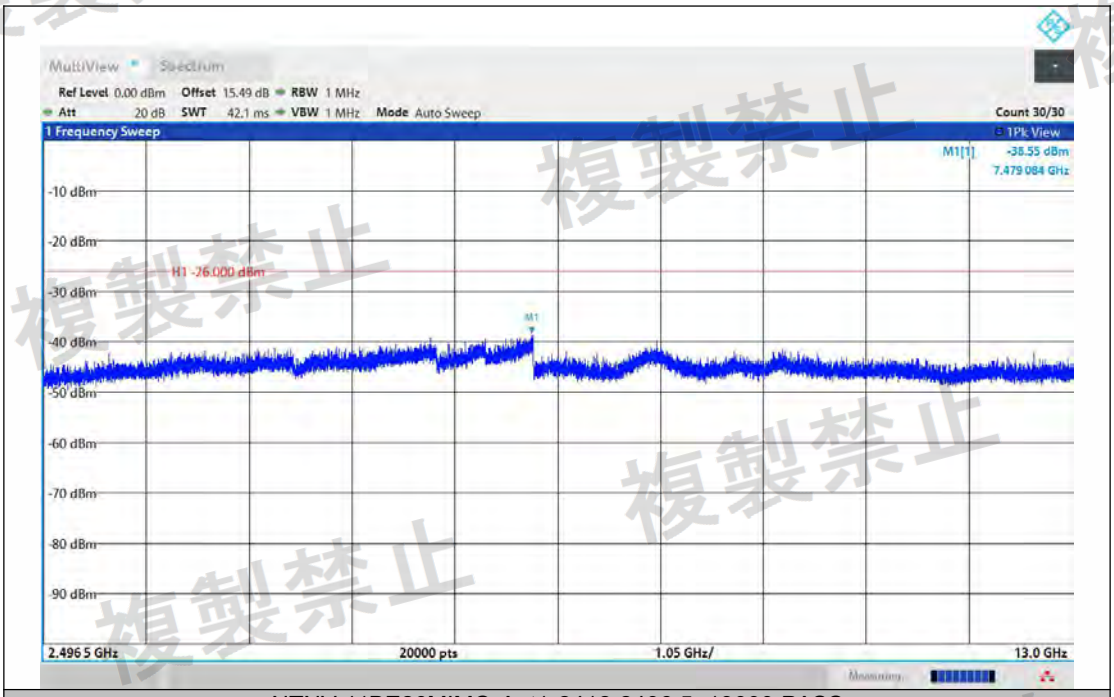
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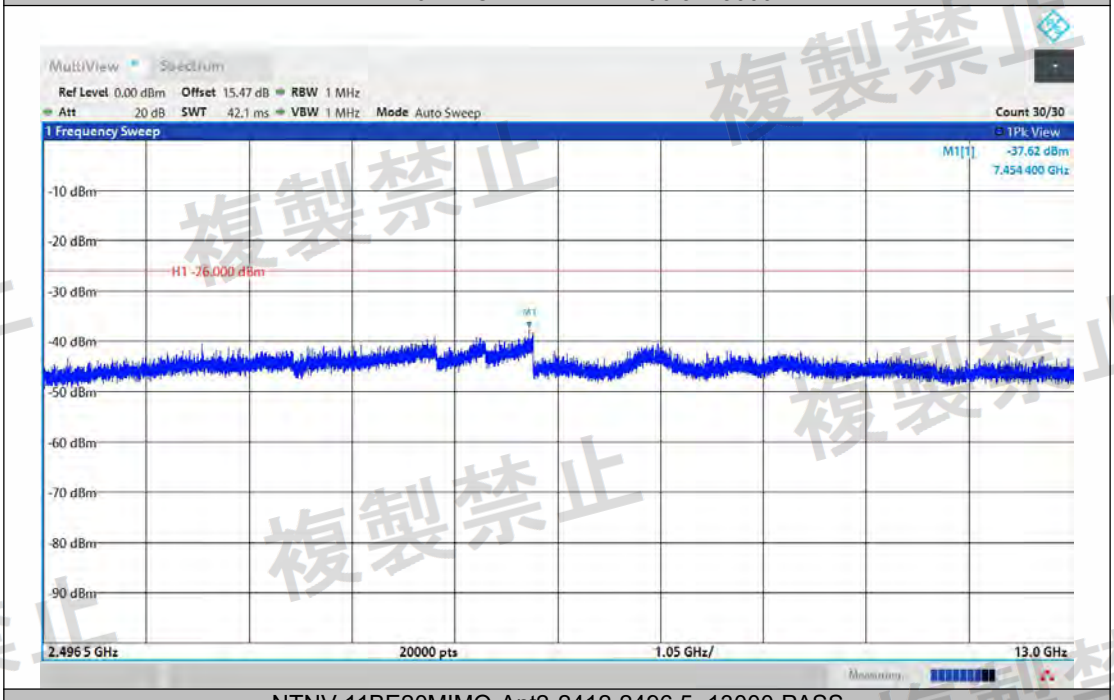
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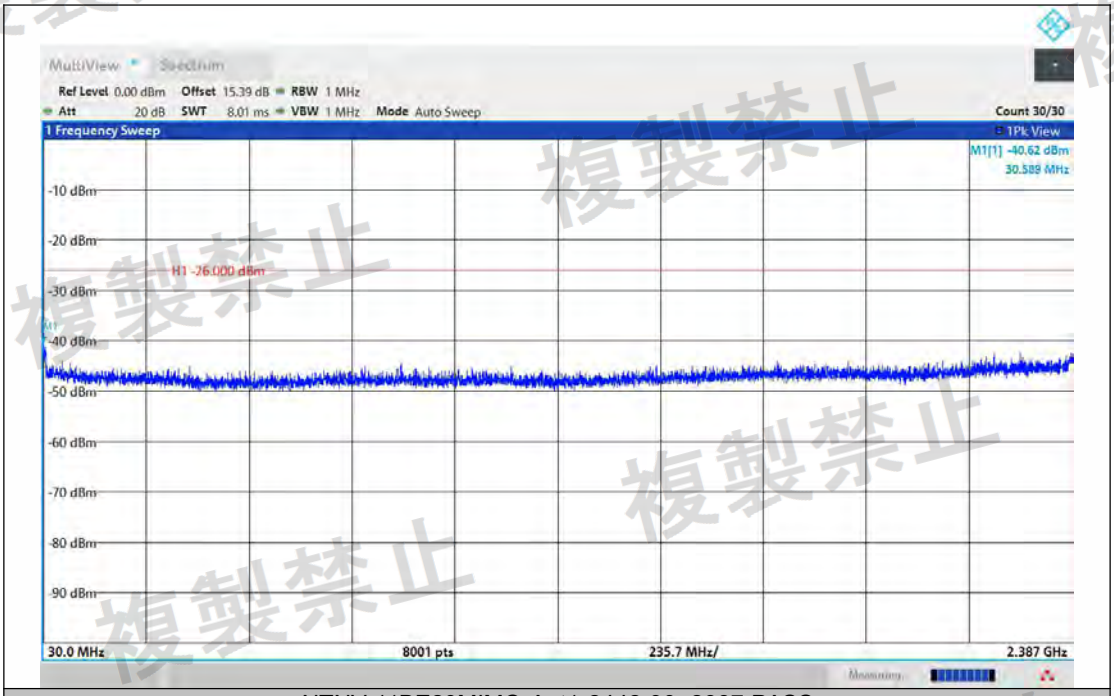
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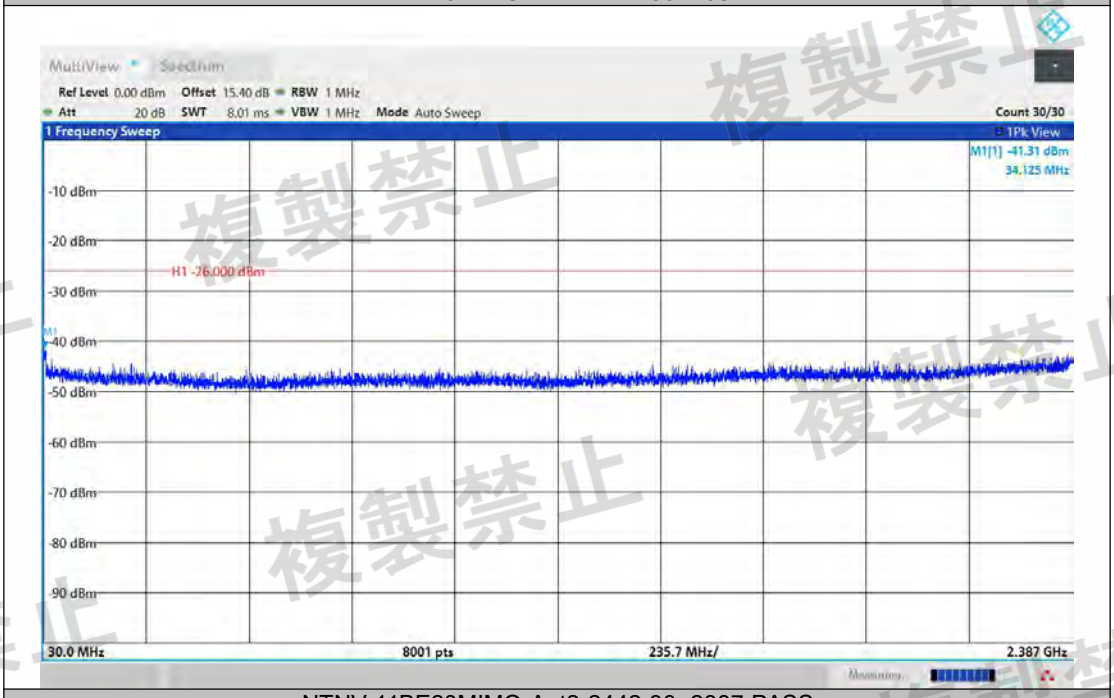
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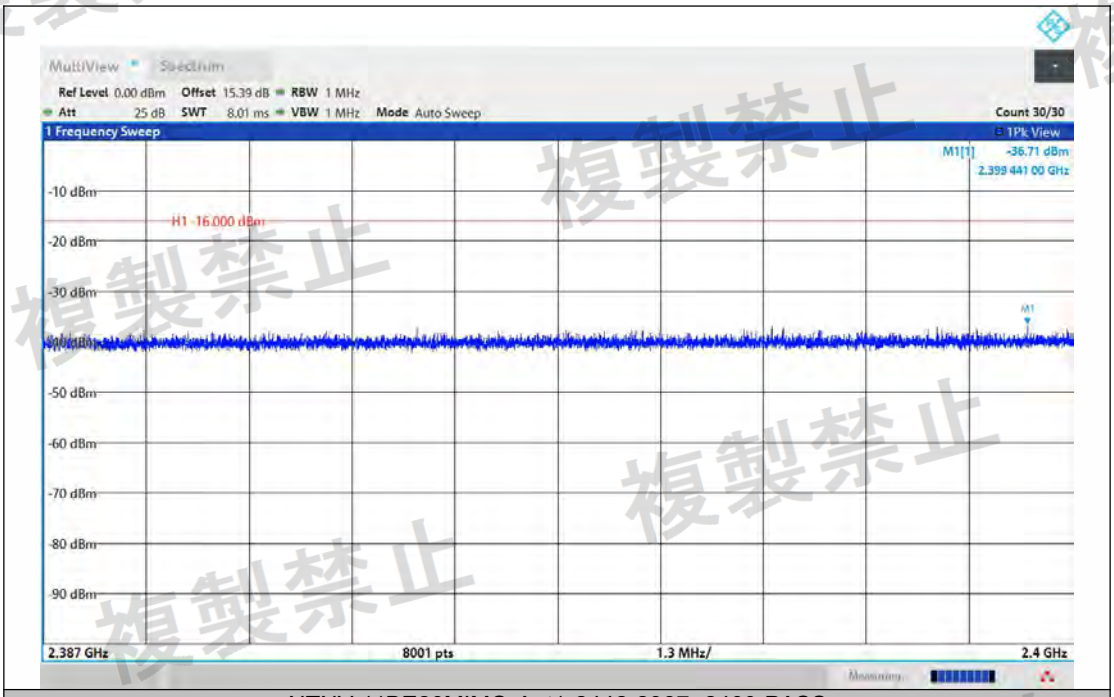
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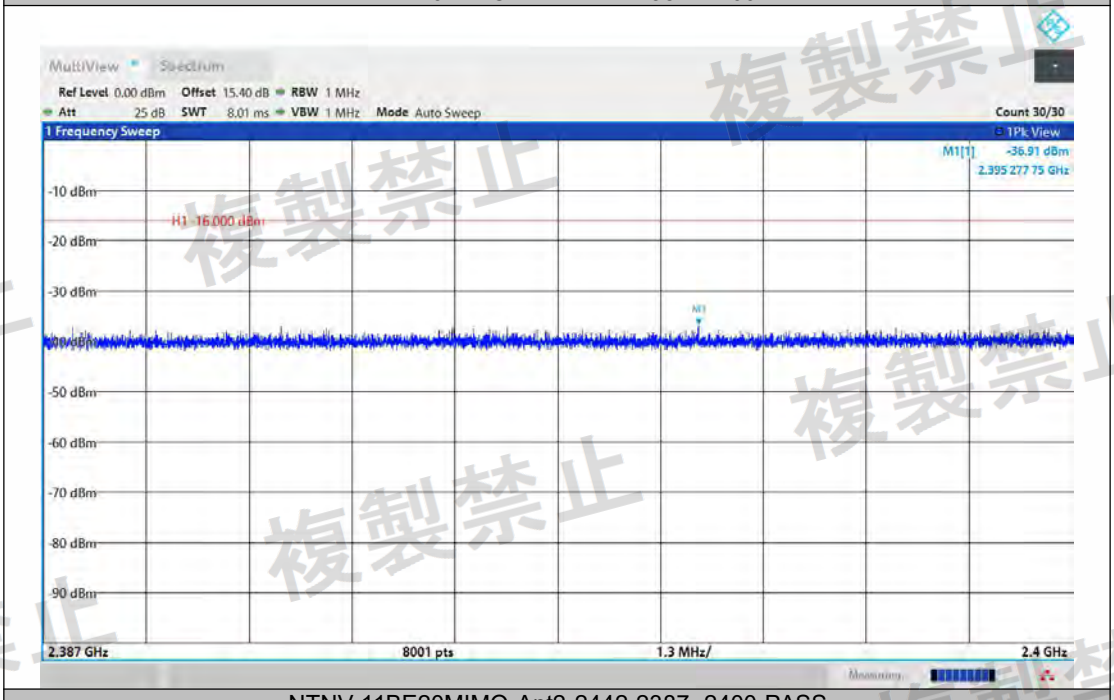
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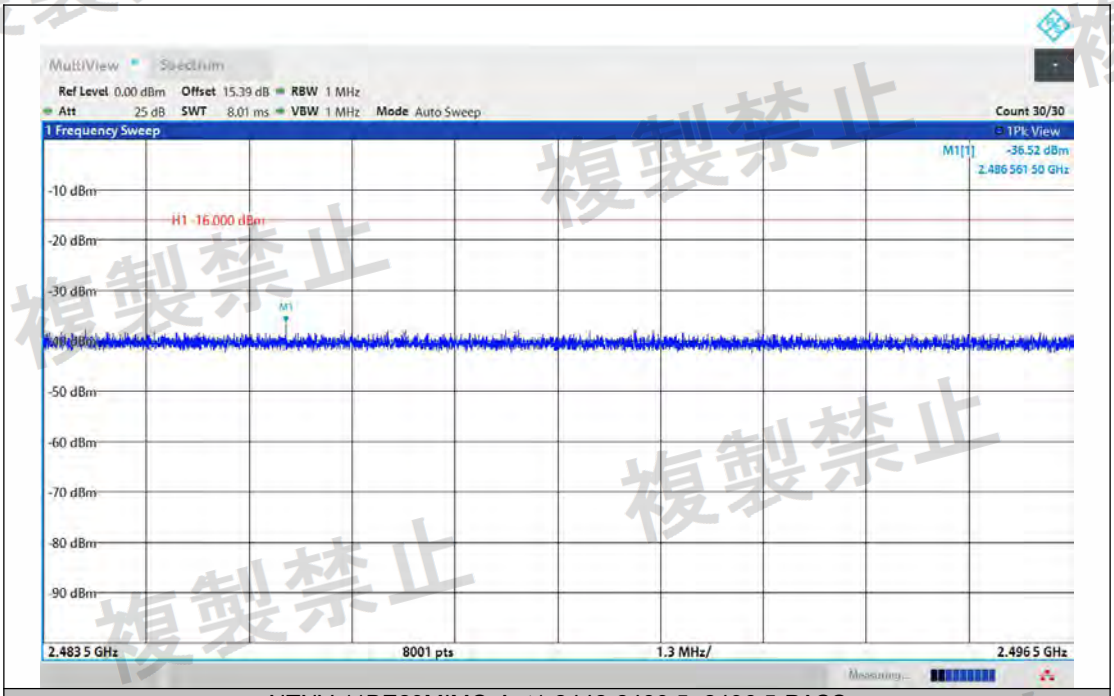
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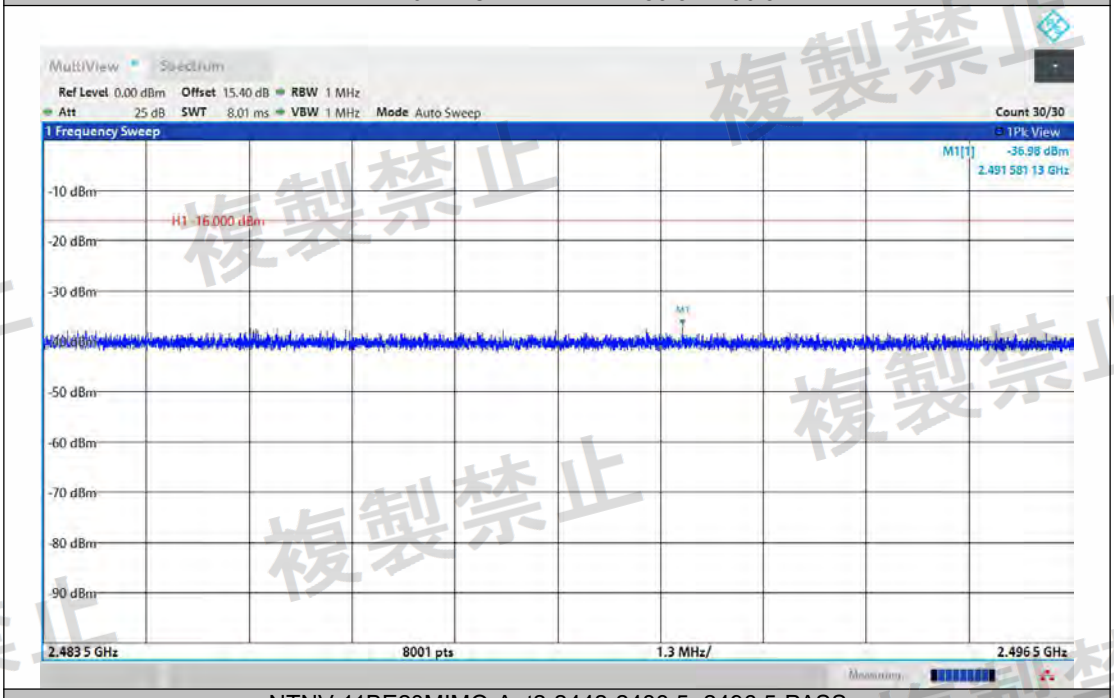
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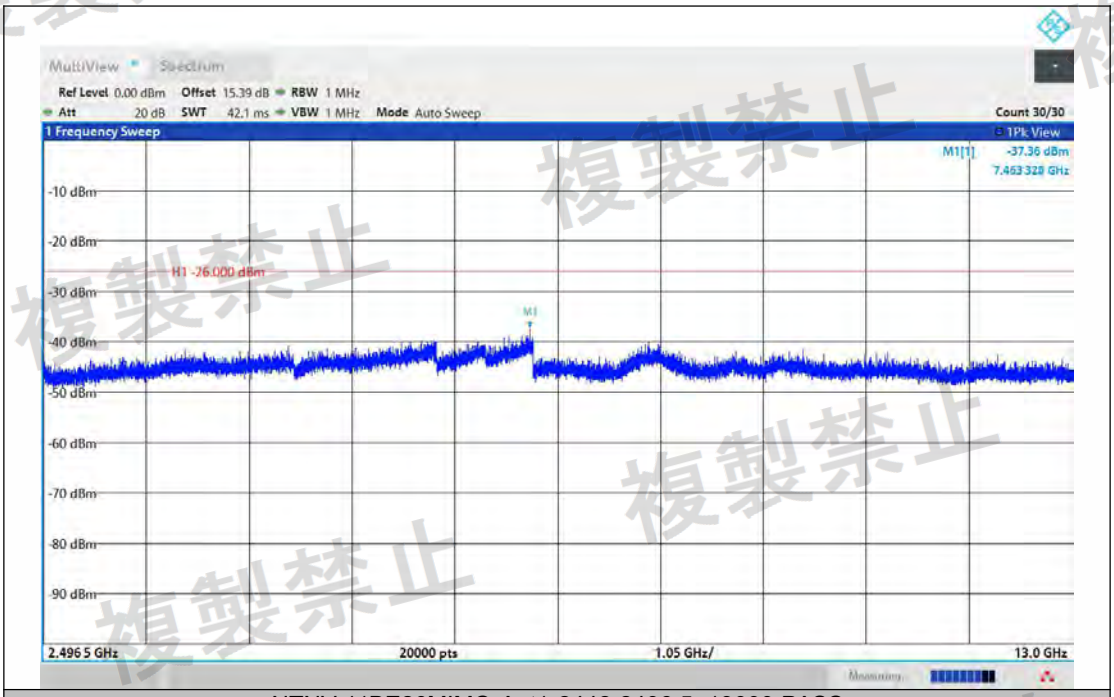
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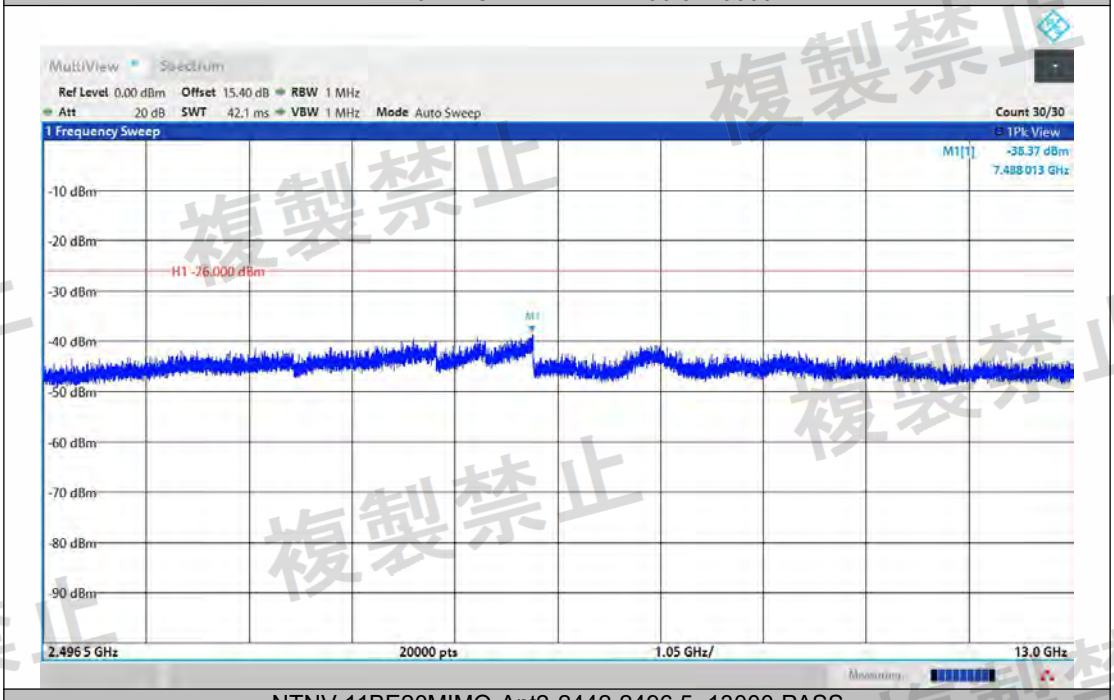
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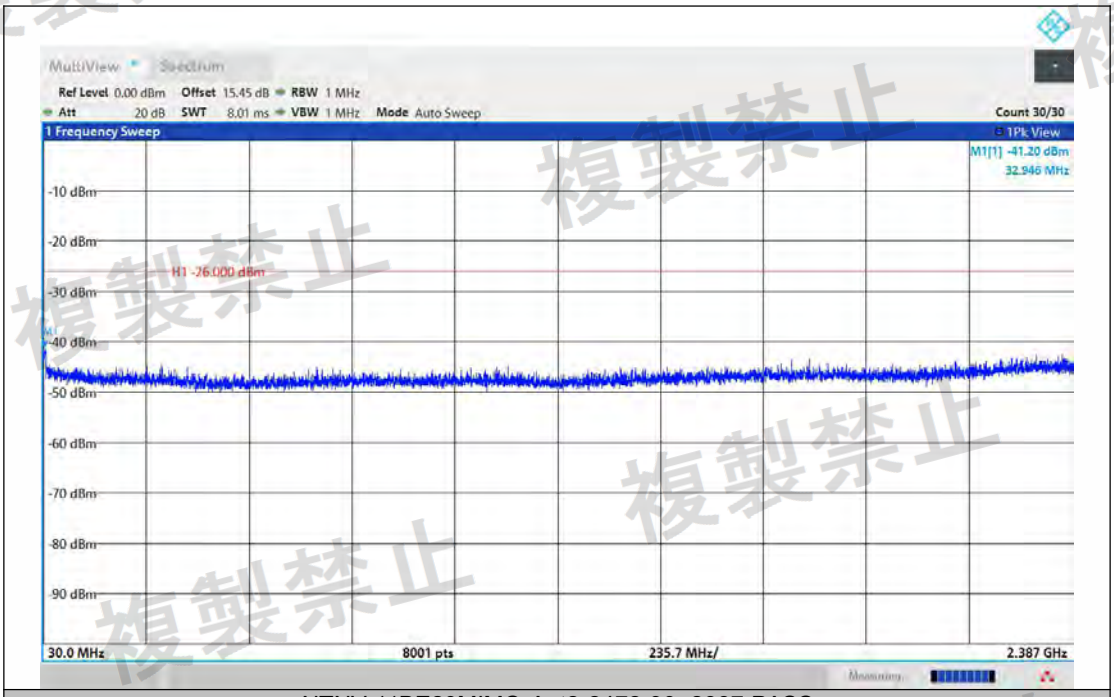
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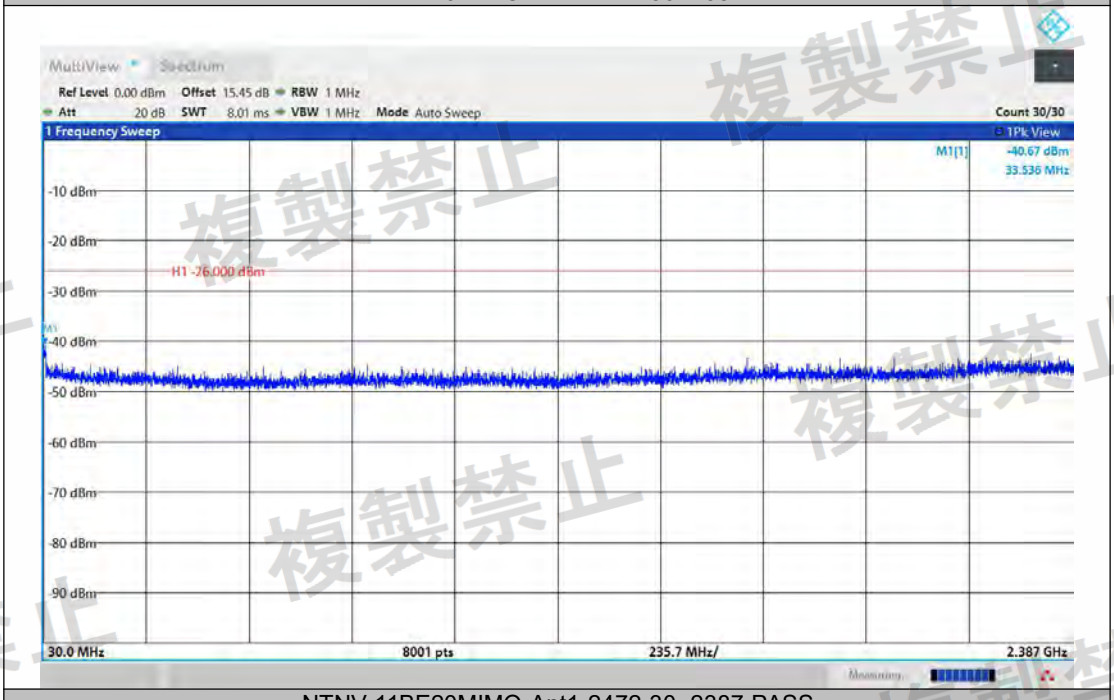
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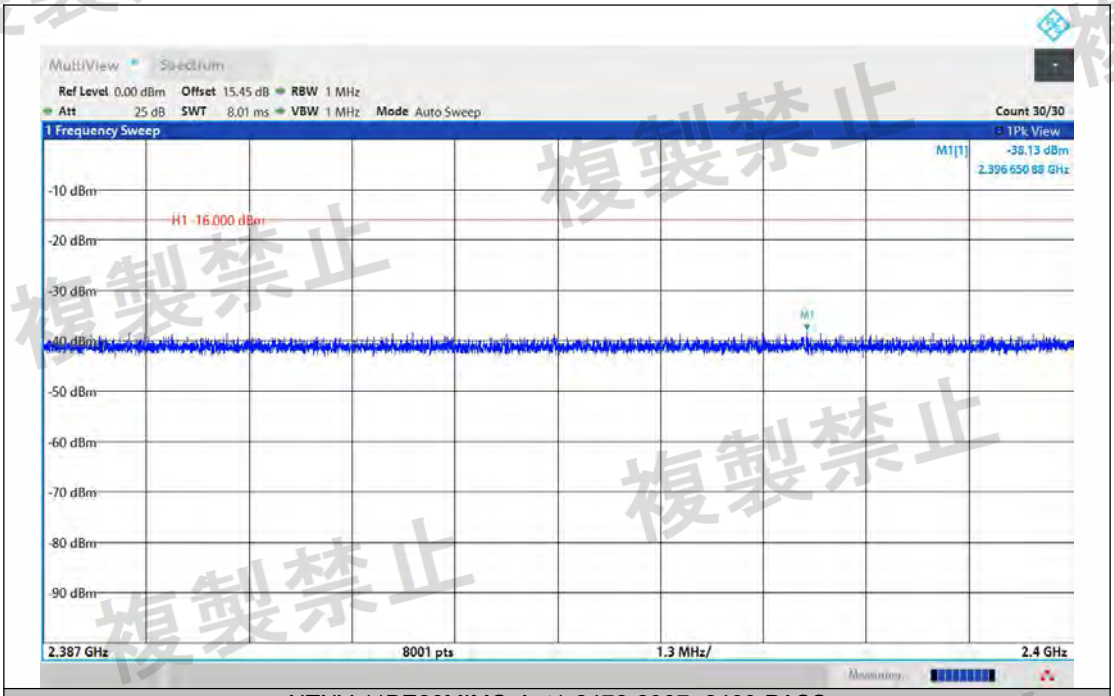
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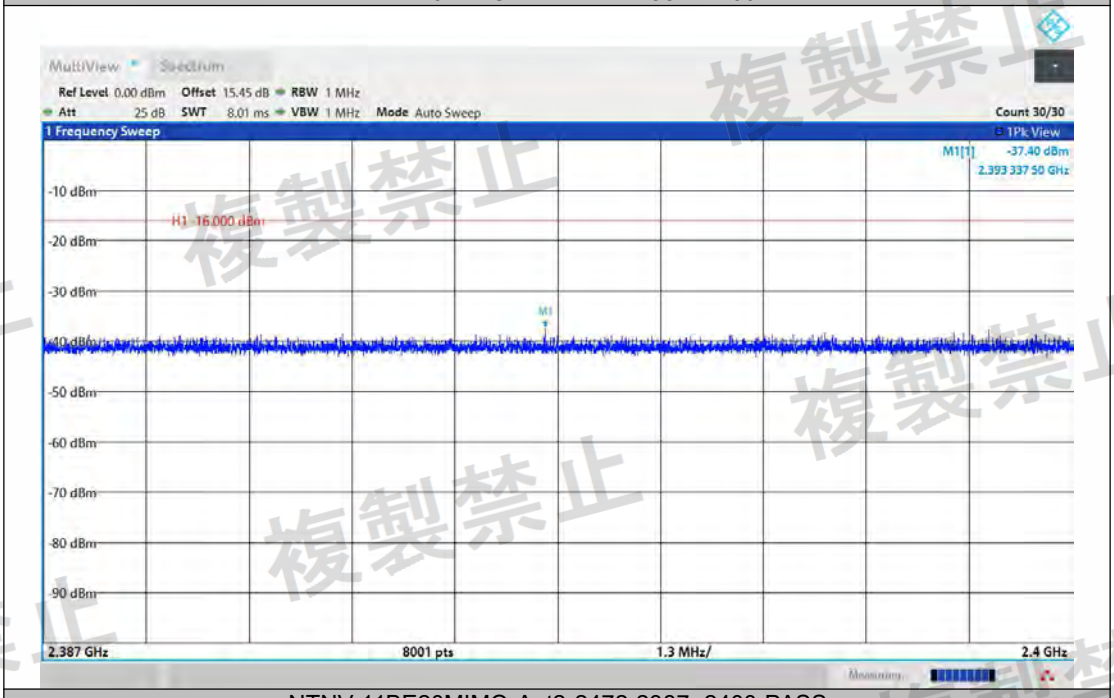
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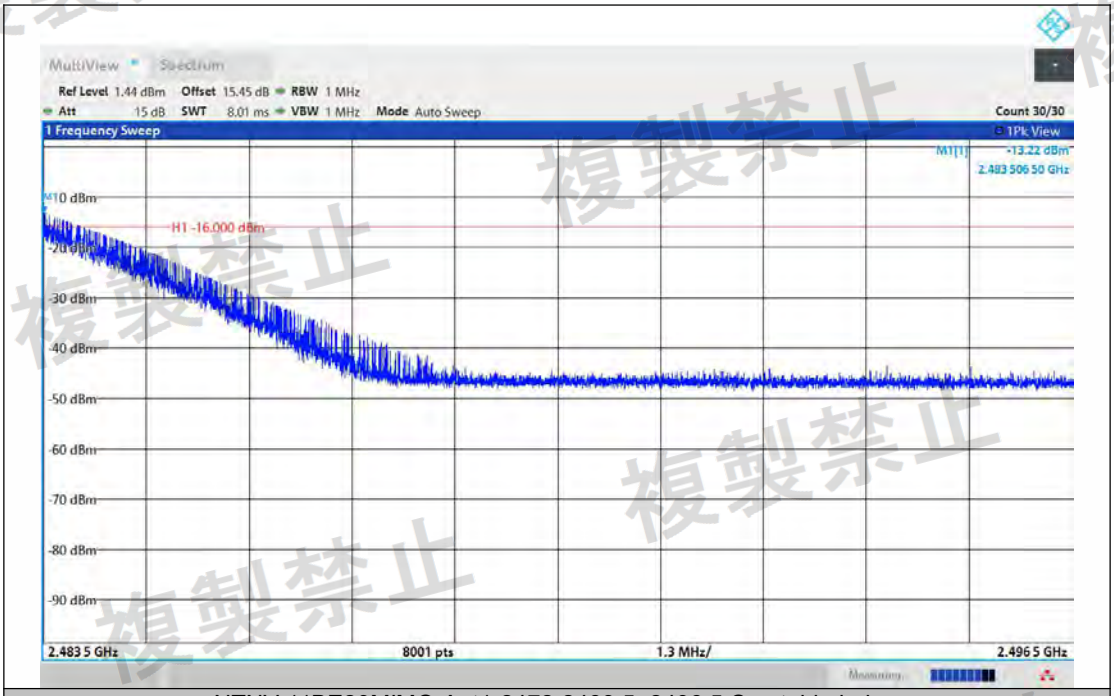
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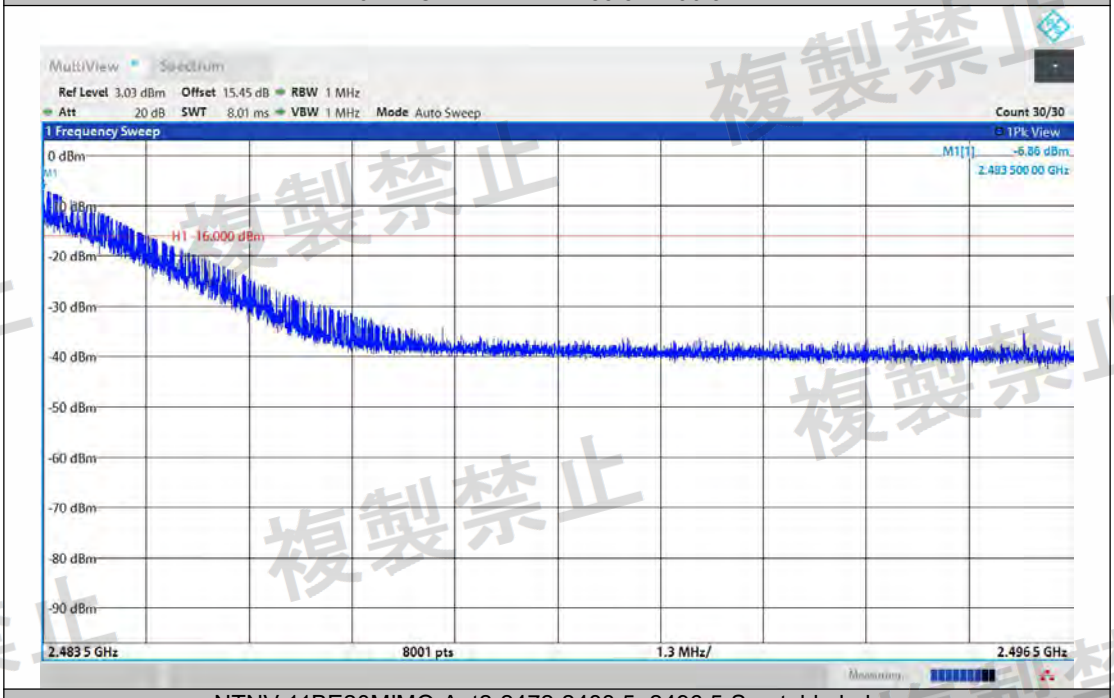
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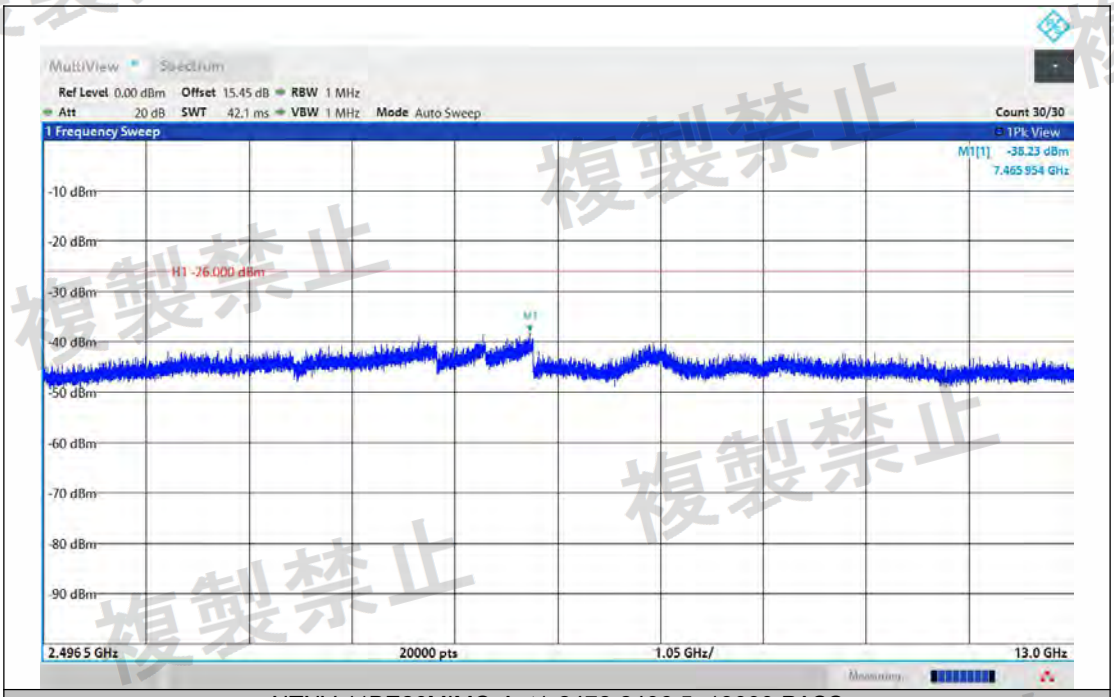
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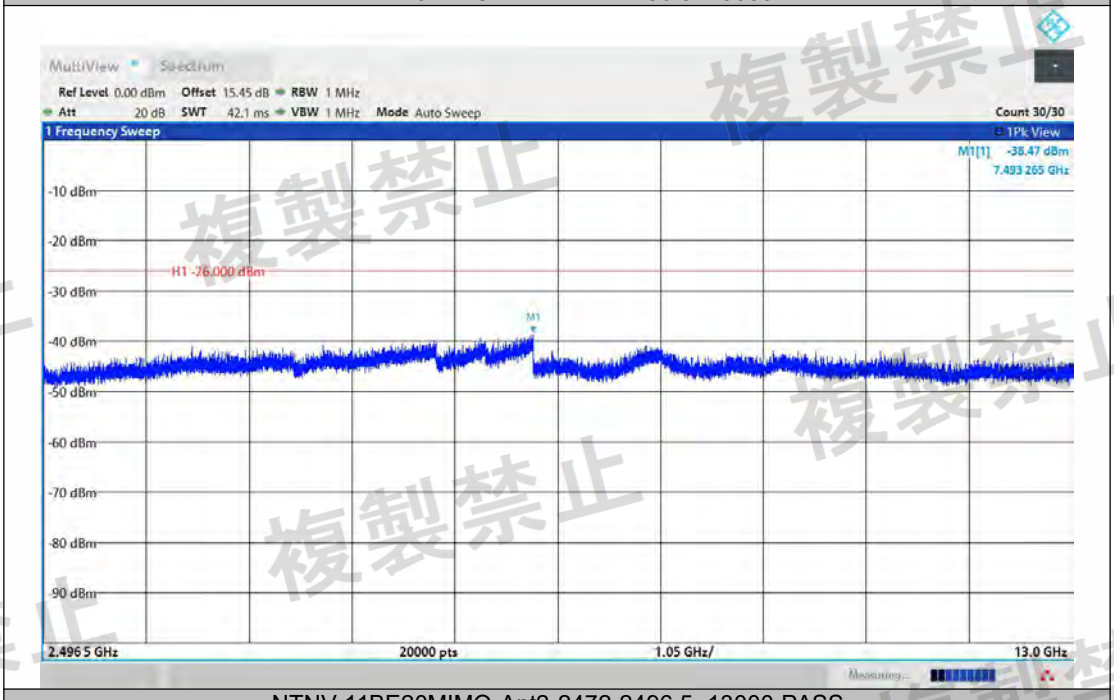
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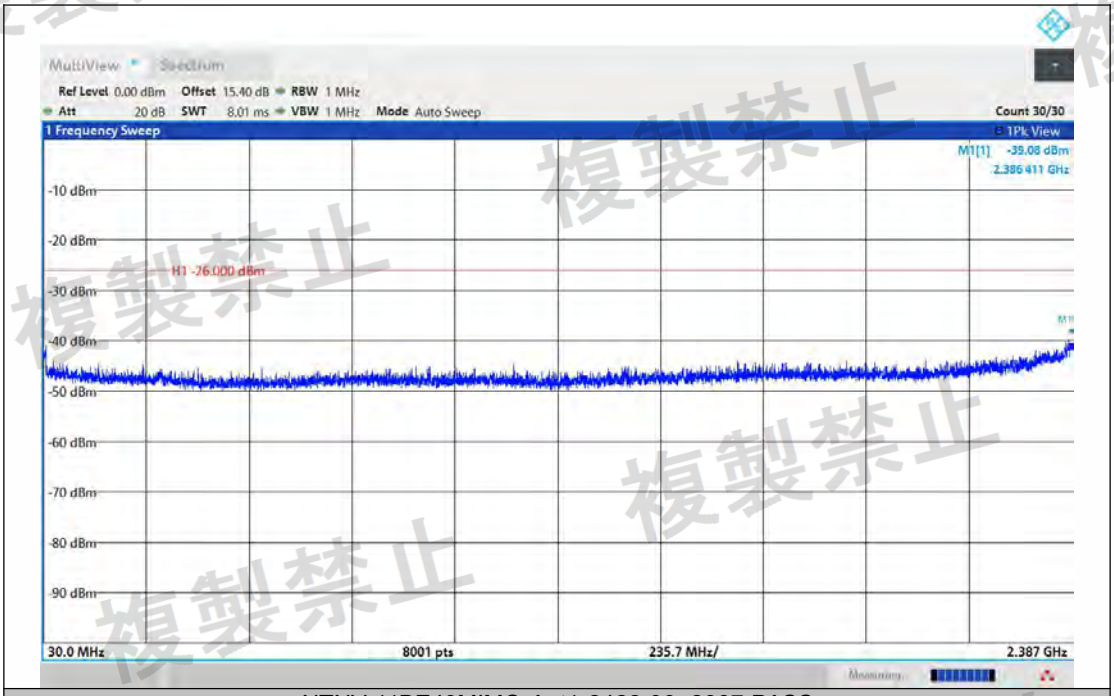
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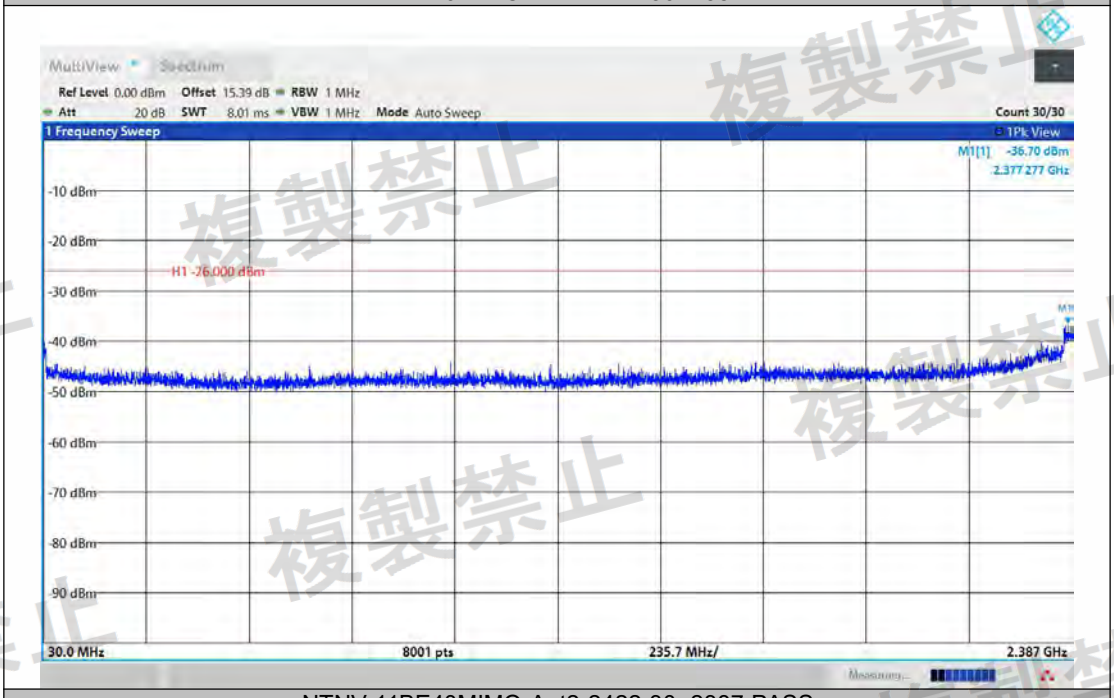
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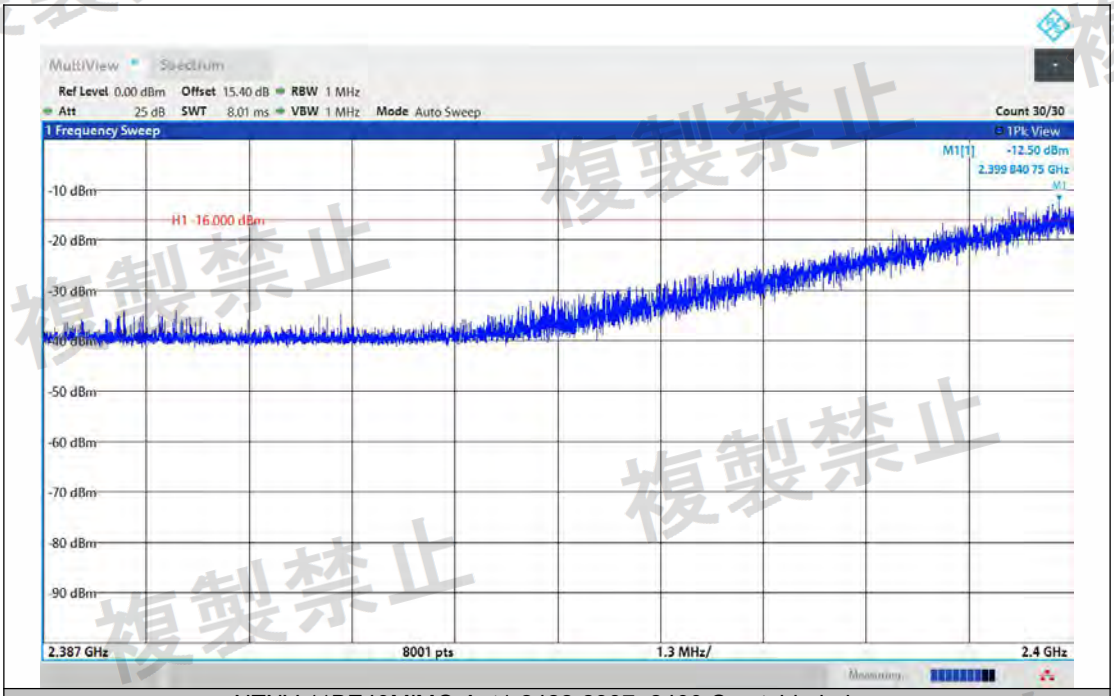
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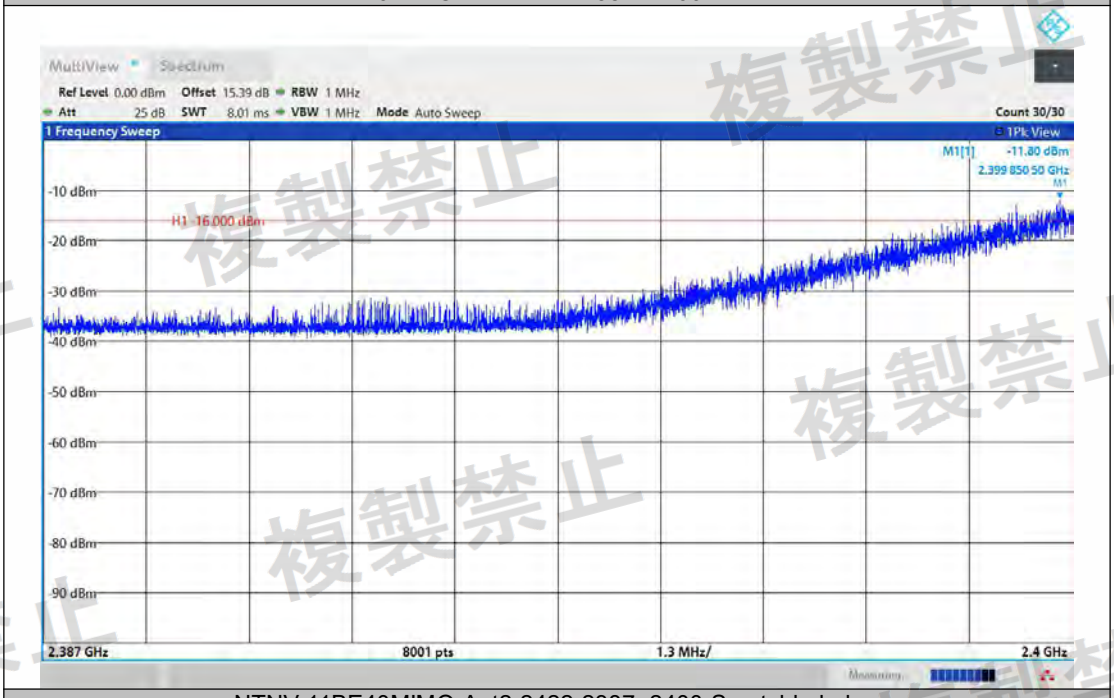
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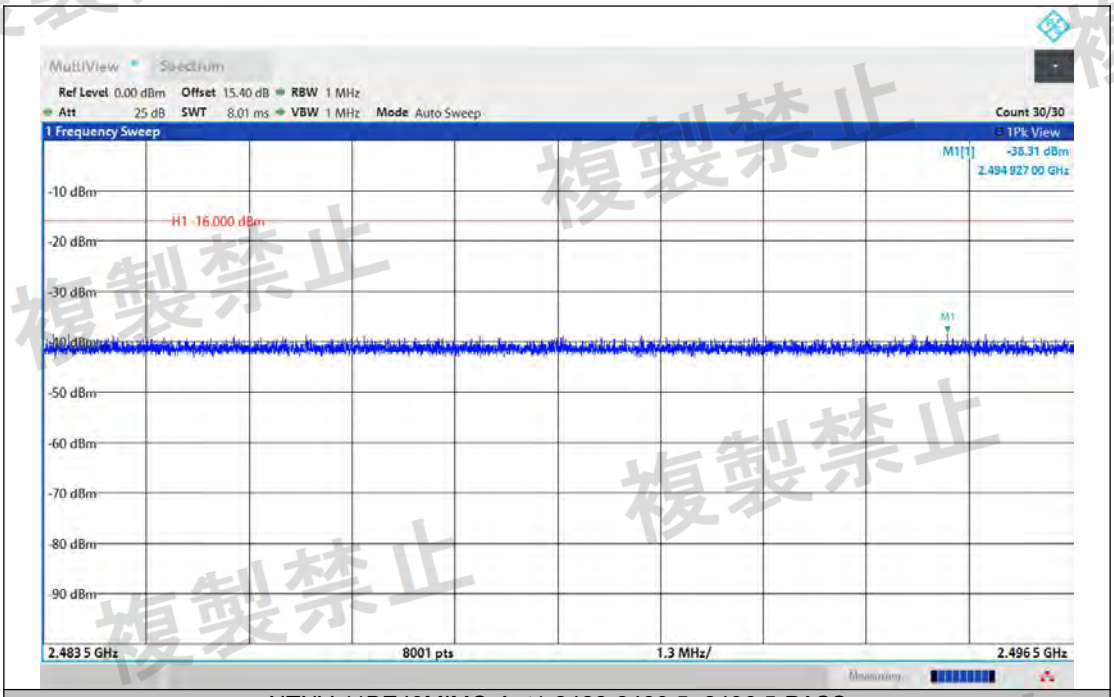
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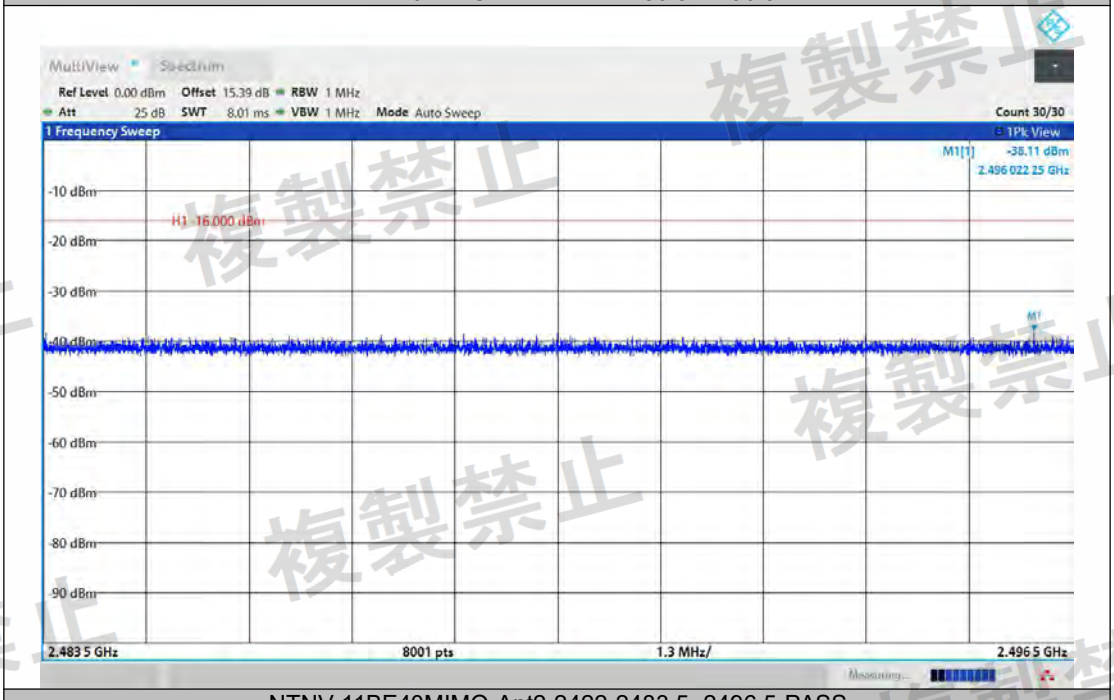
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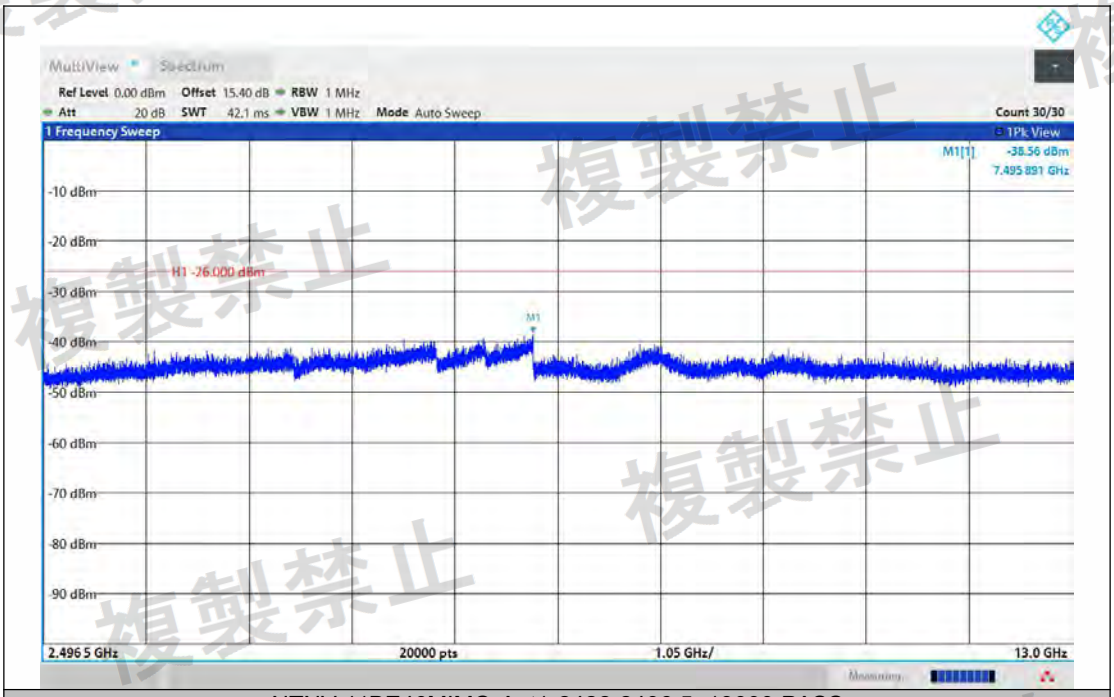
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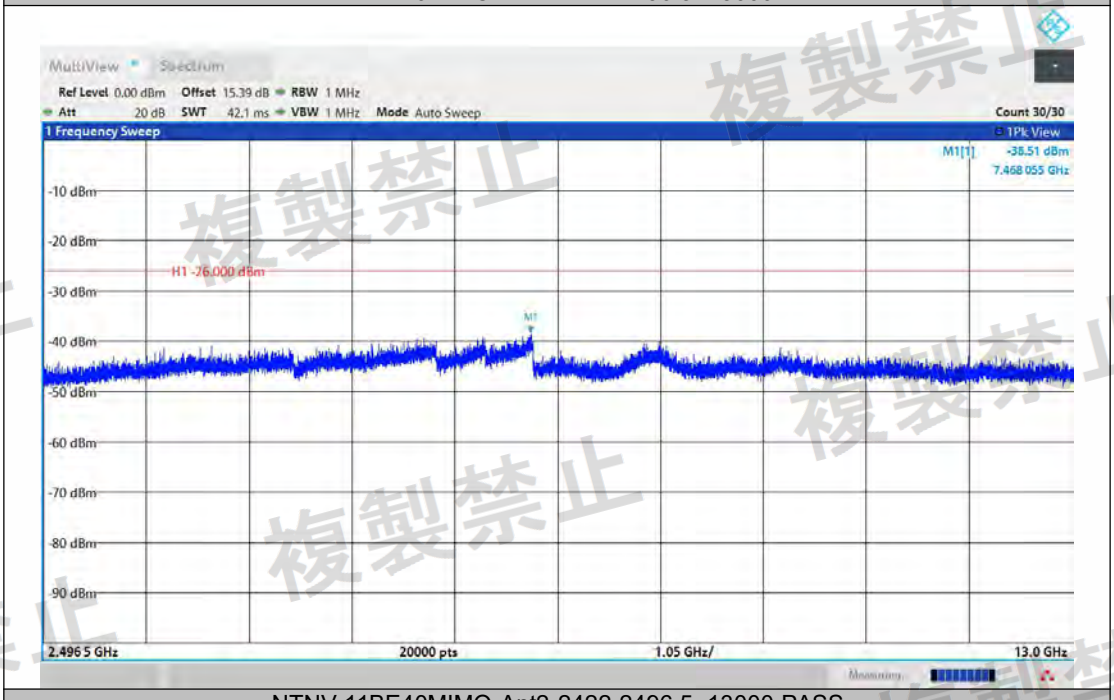
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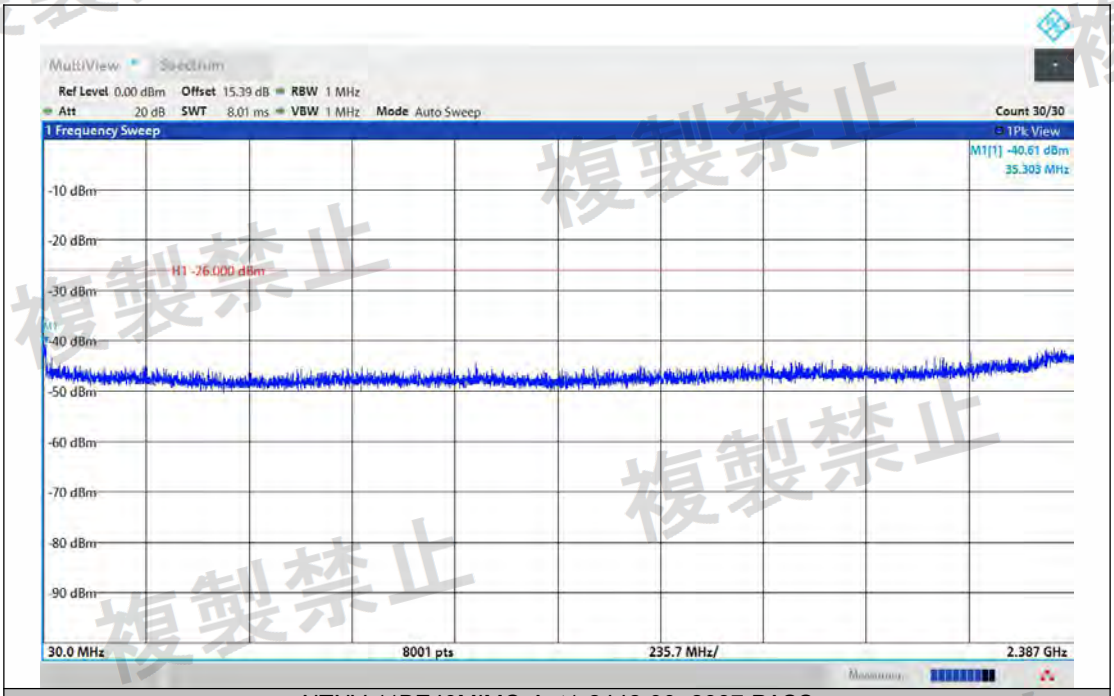
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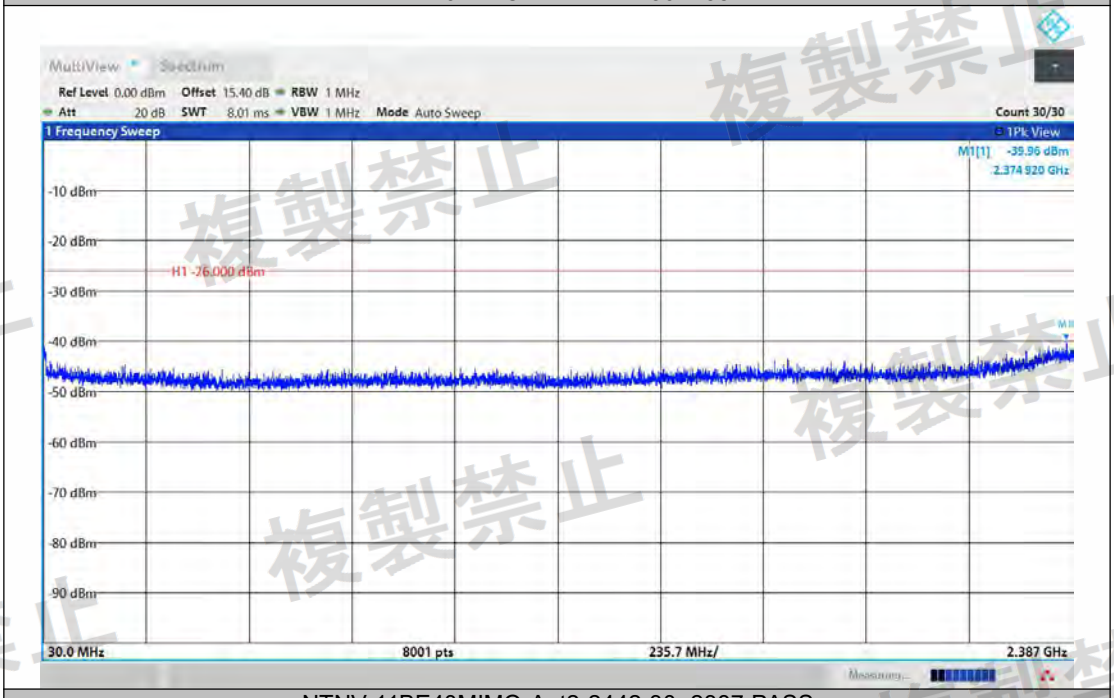
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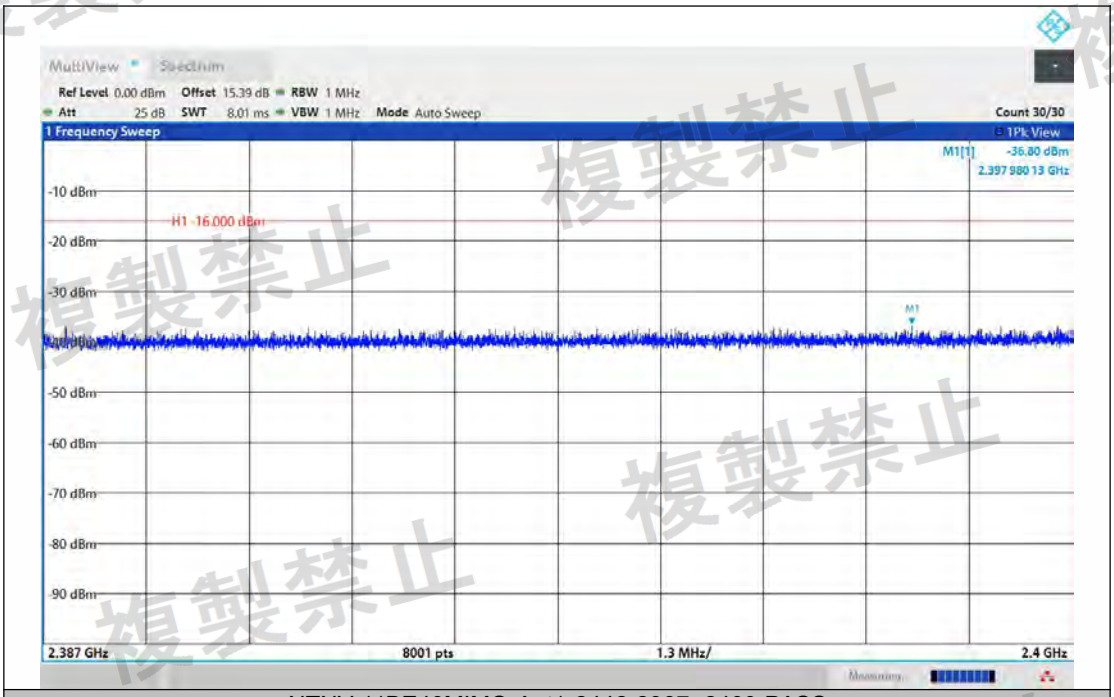
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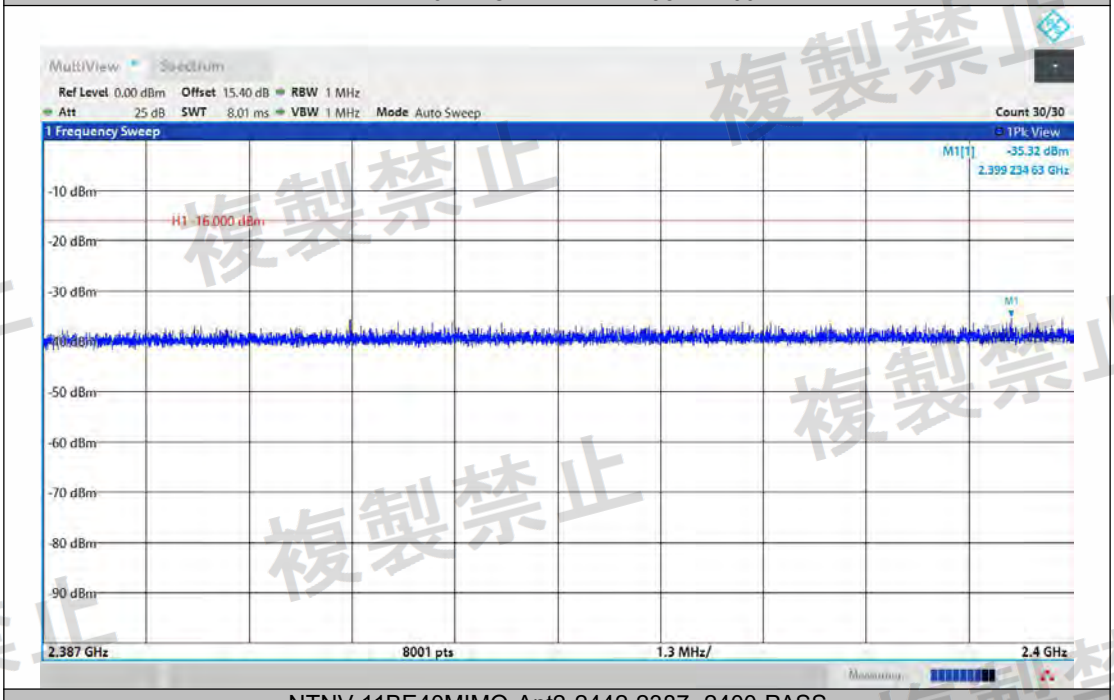
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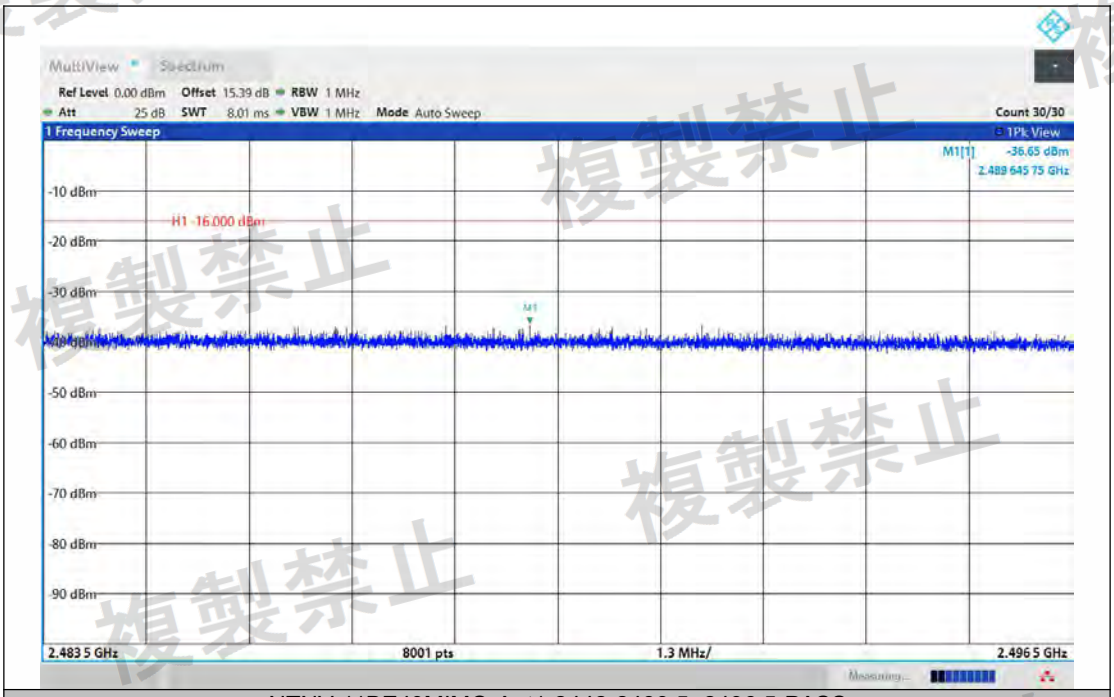
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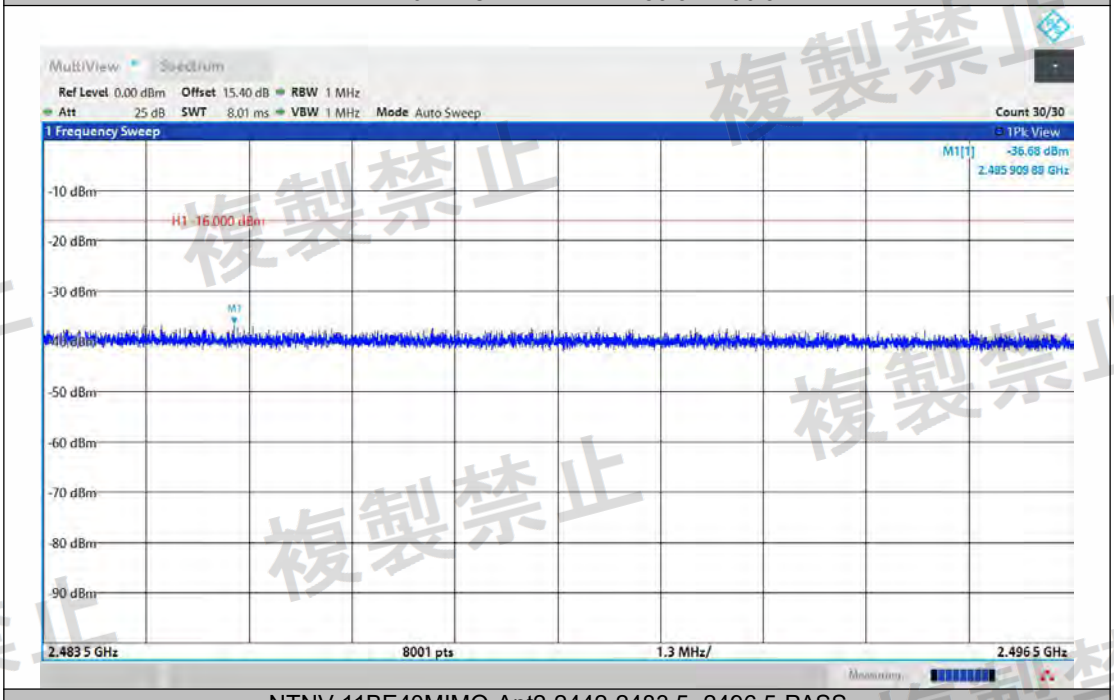
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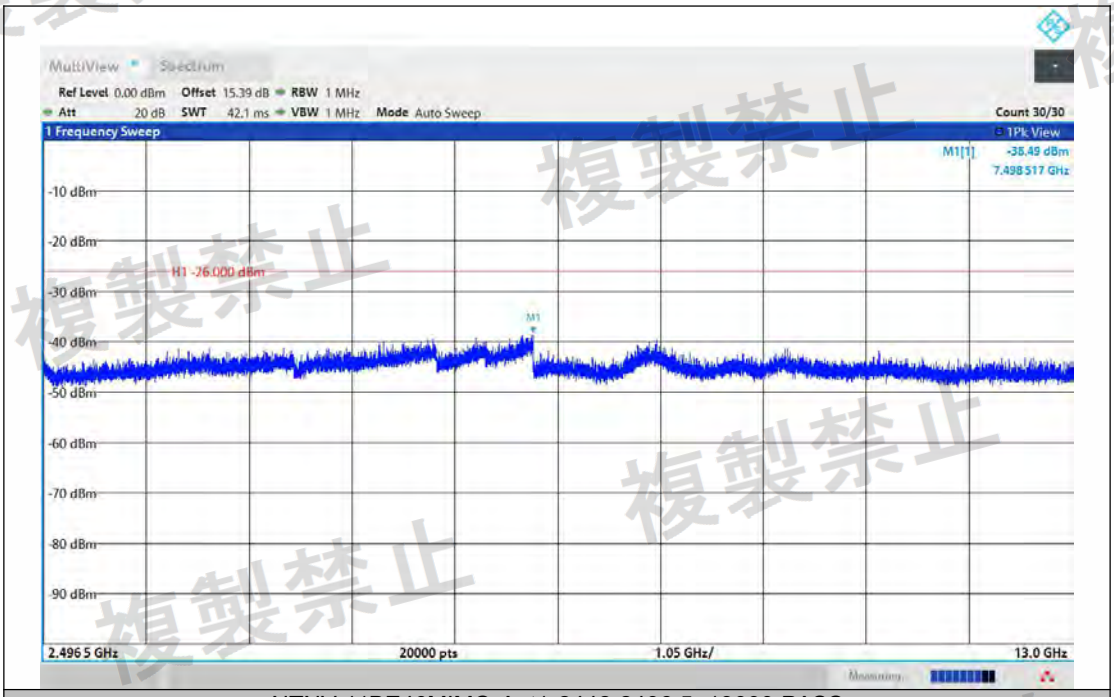
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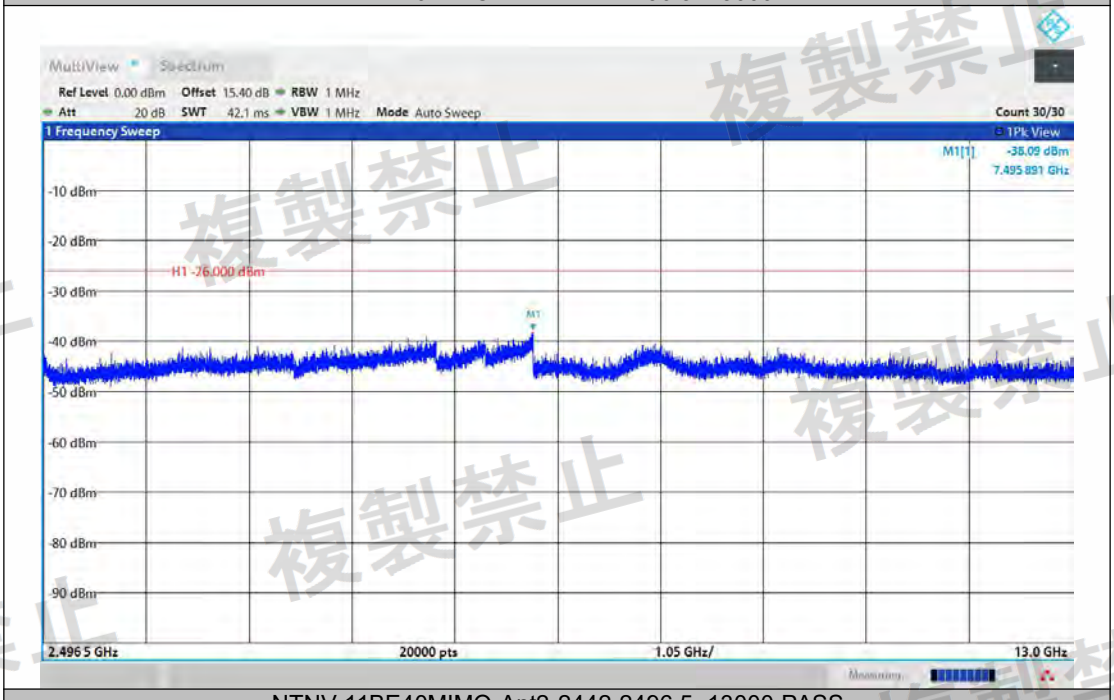
NTNV-11BE40MIMO-Ant1-2442-2483.5~2496.5-PASS



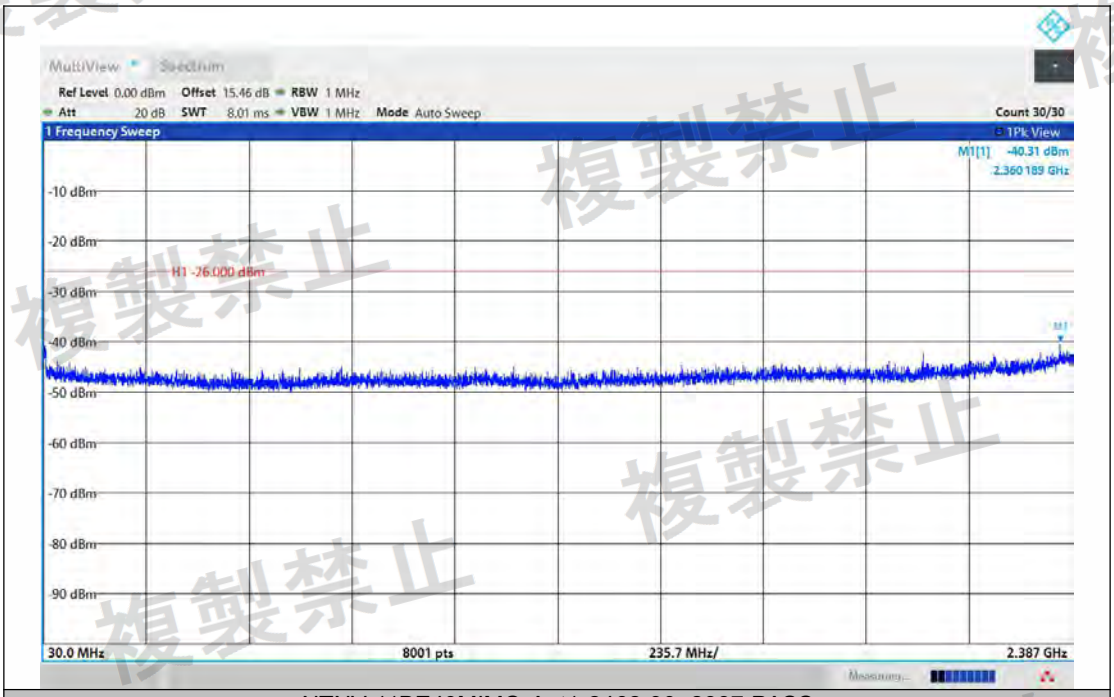
NTNV-11BE40MIMO-Ant2-2442-2483.5~2496.5-PASS



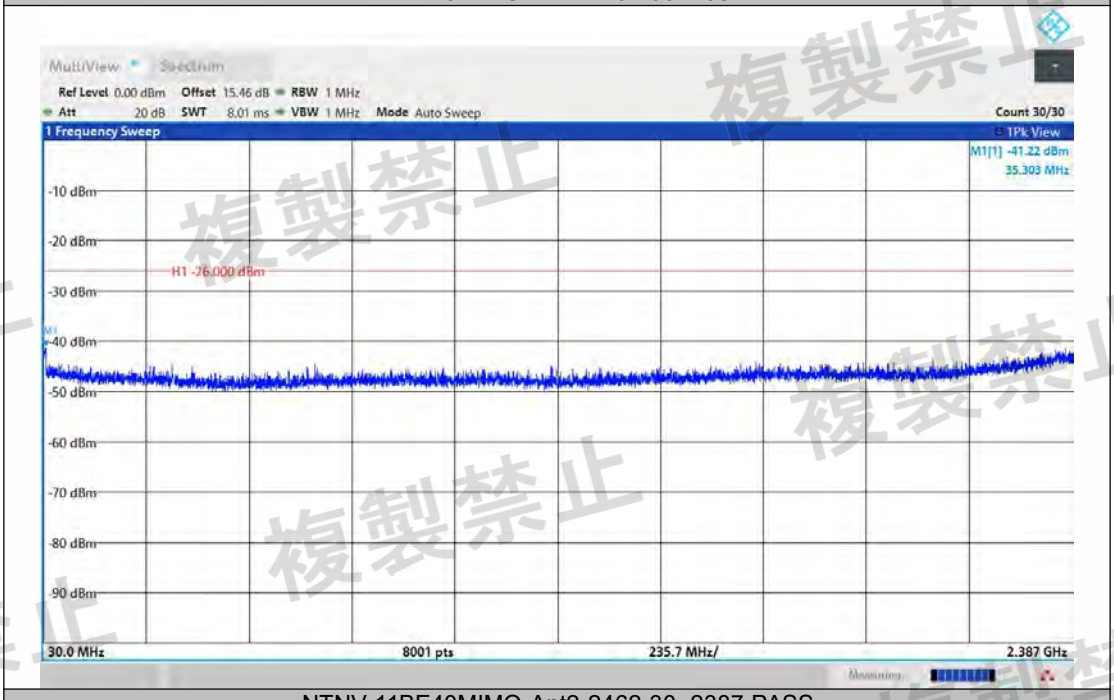
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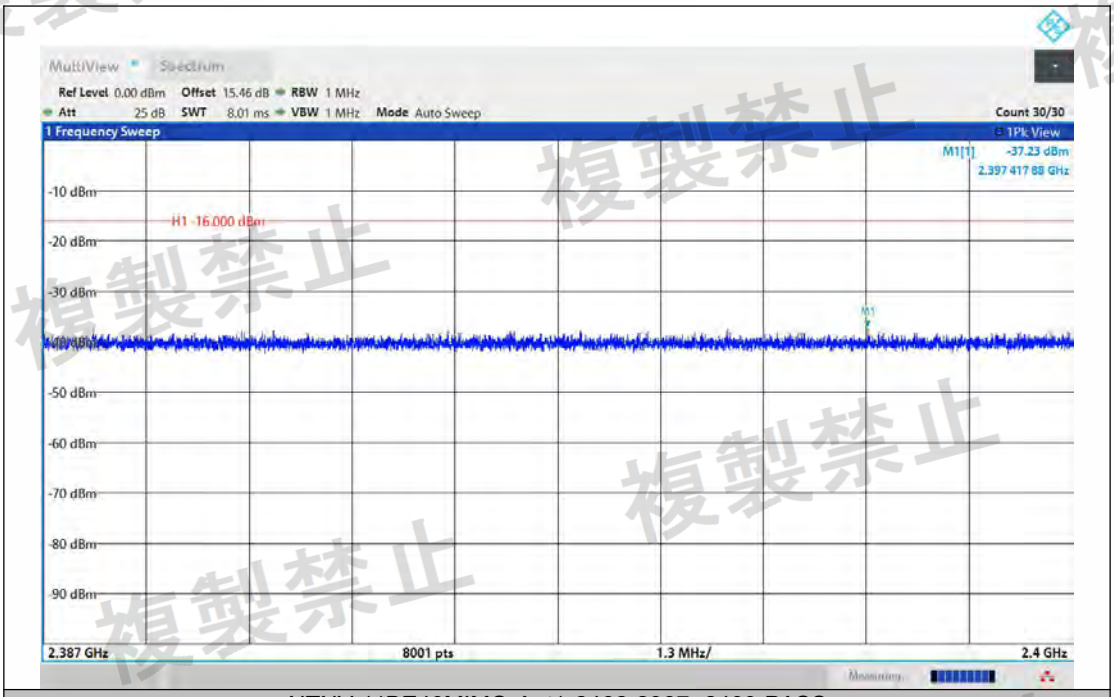
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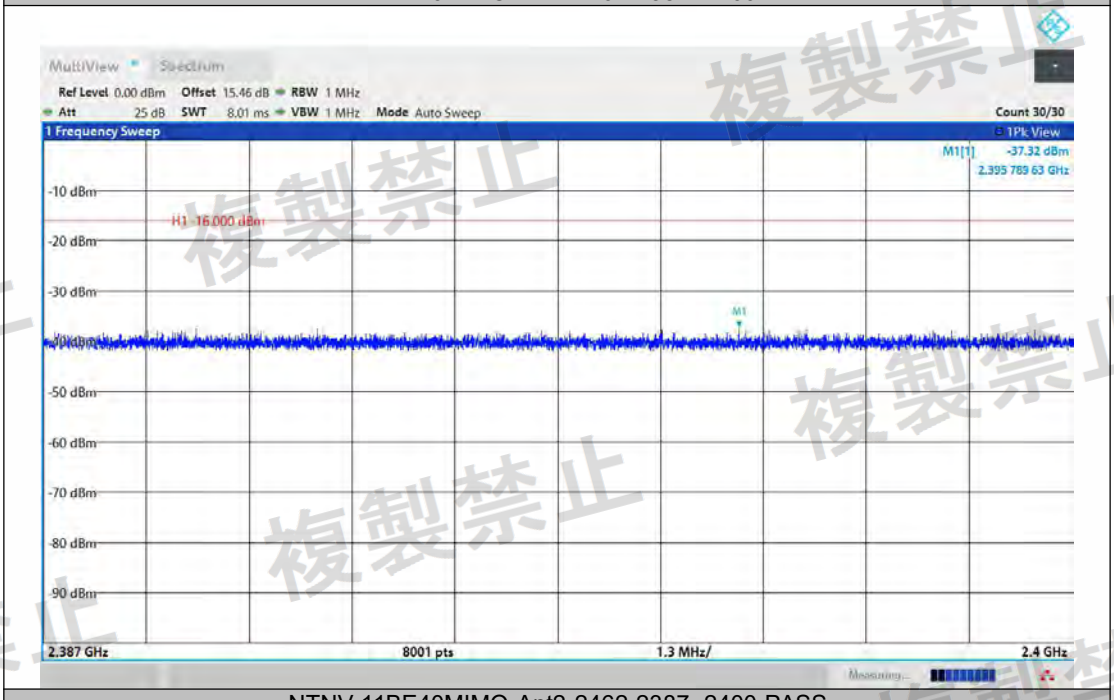
NTNV-11BE40MIMO-Ant1-2462-30~2387-PASS



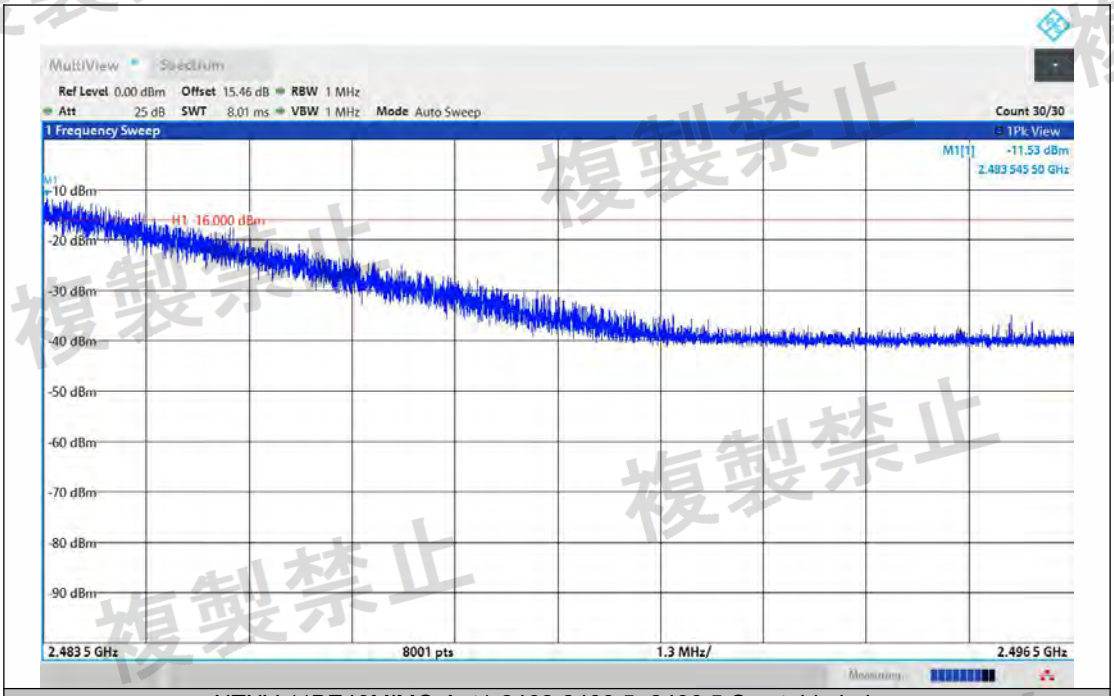
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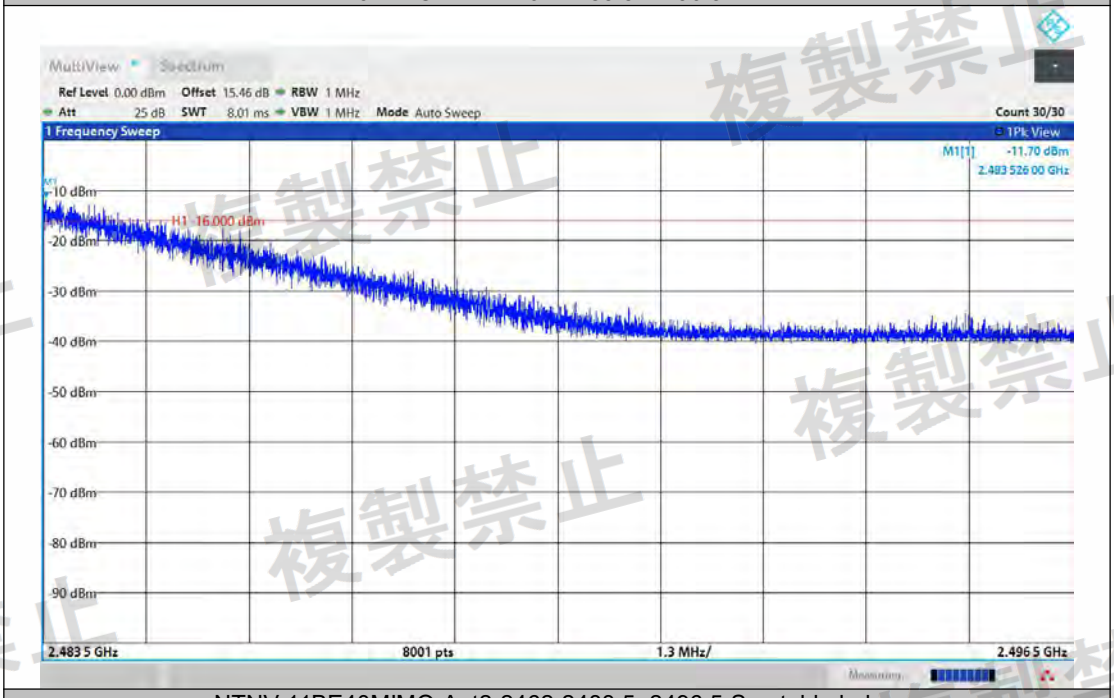
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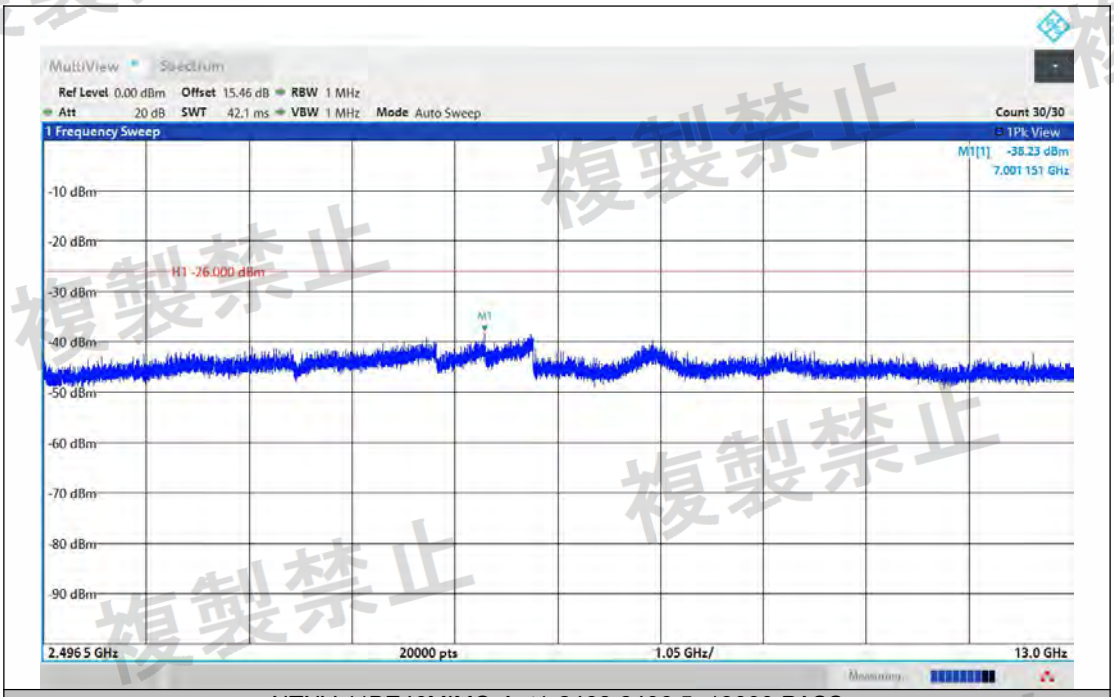
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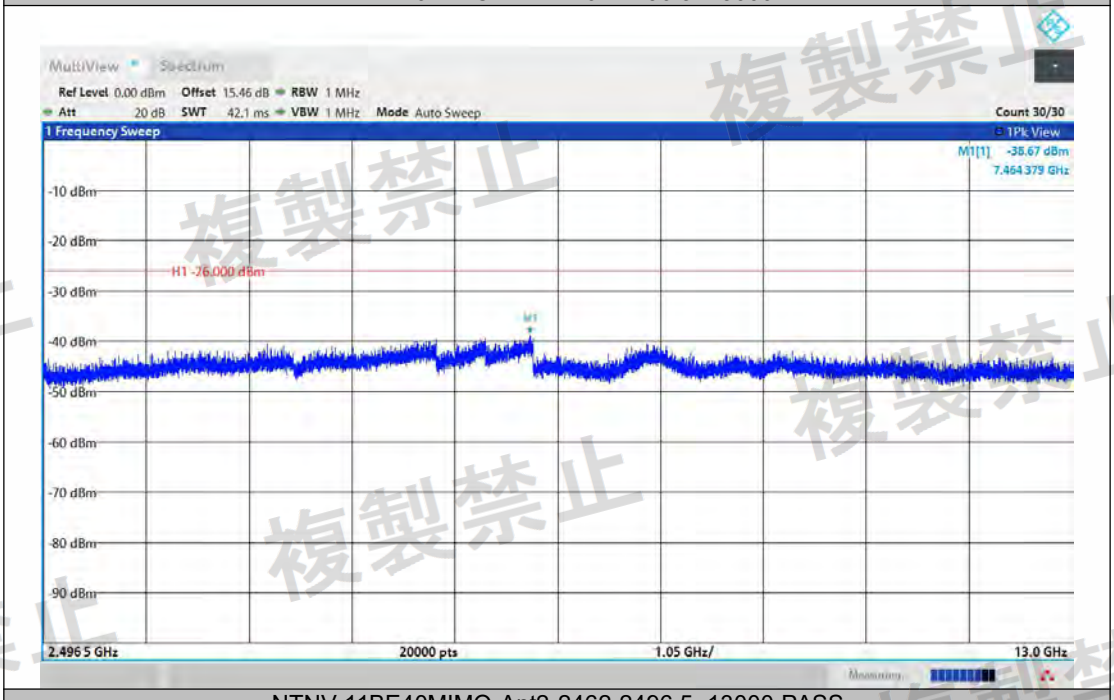
NTNV-11BE40MIMO-Ant1-2462-2483.5~2496.5-See table below



NTNV-11BE40MIMO-Ant2-2462-2483.5~2496.5-See table below

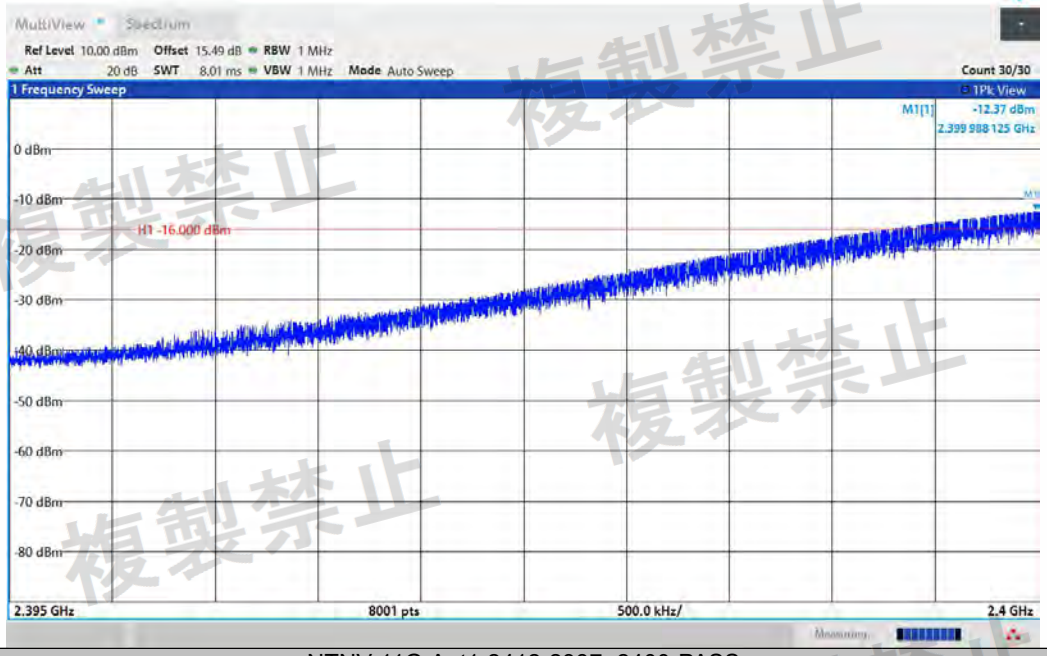


NTNV-11BE40MIMO-Ant1-2462-2496.5~13000-PASS

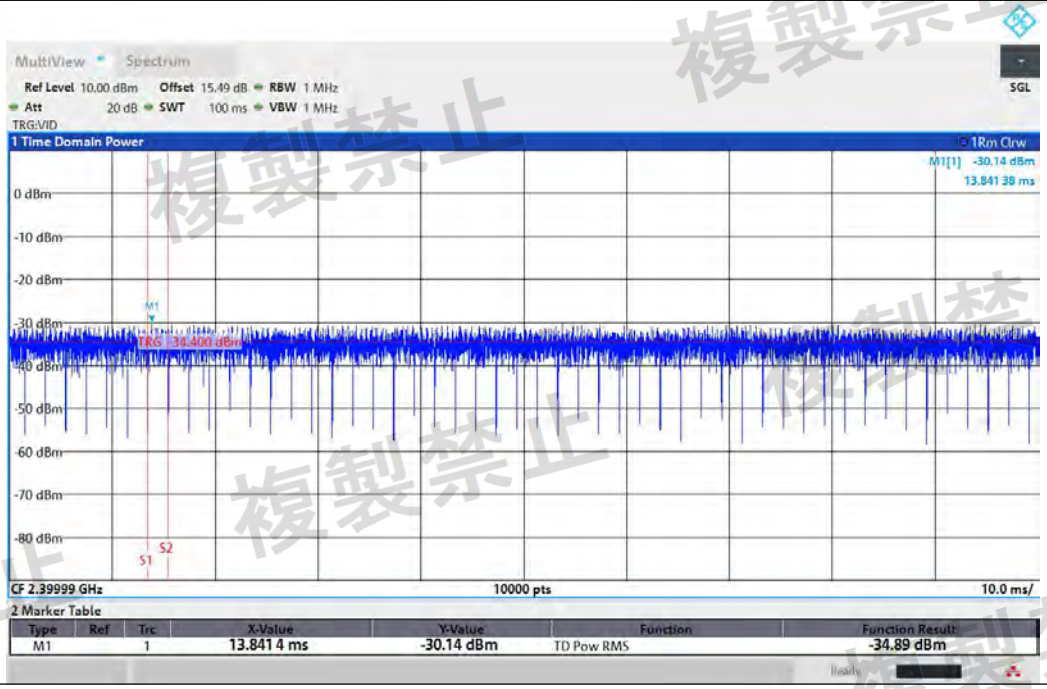


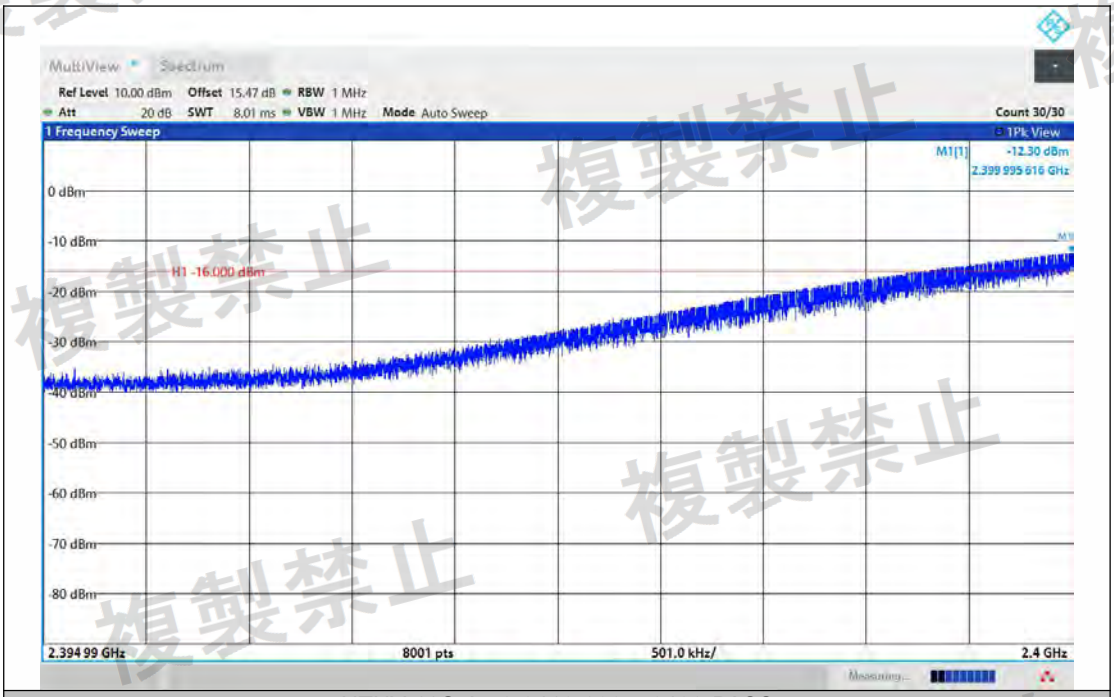
NTNV-11BE40MIMO-Ant2-2462-2496.5~13000-PASS

Step2

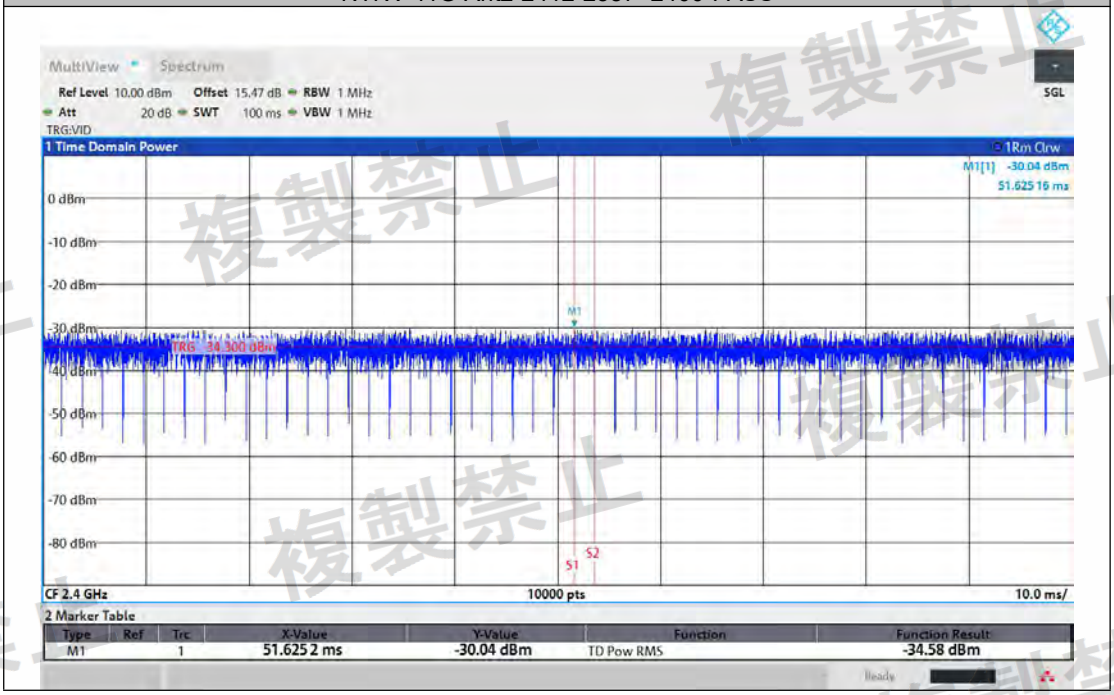


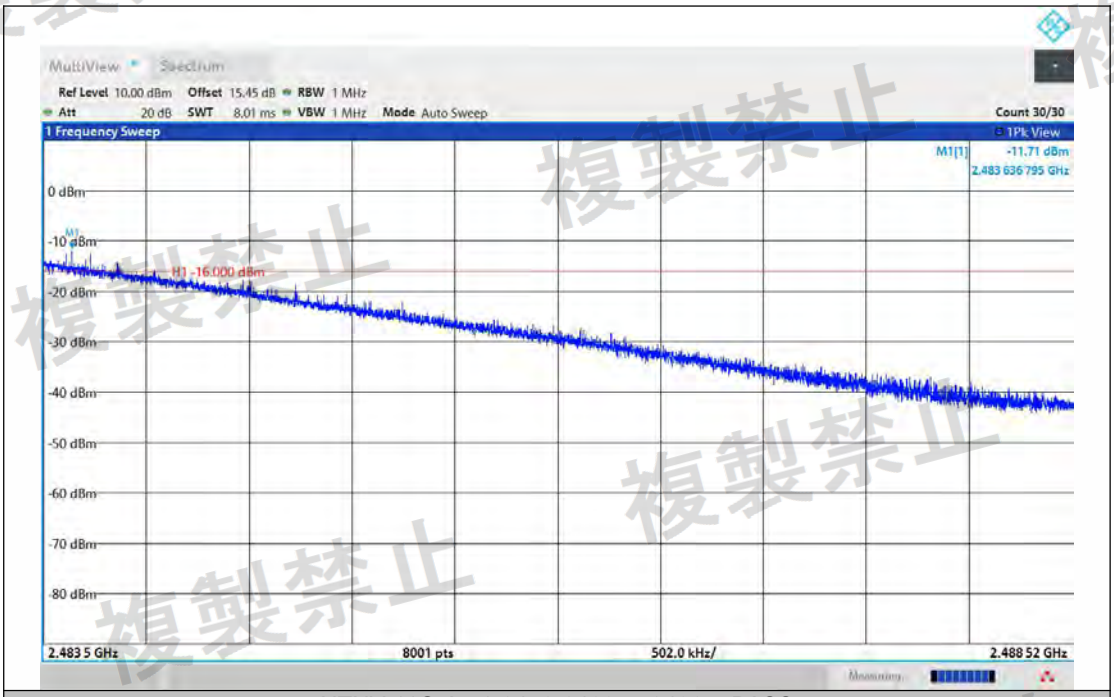
NTNV-11G-Ant1-2412-2387~2400-PASS



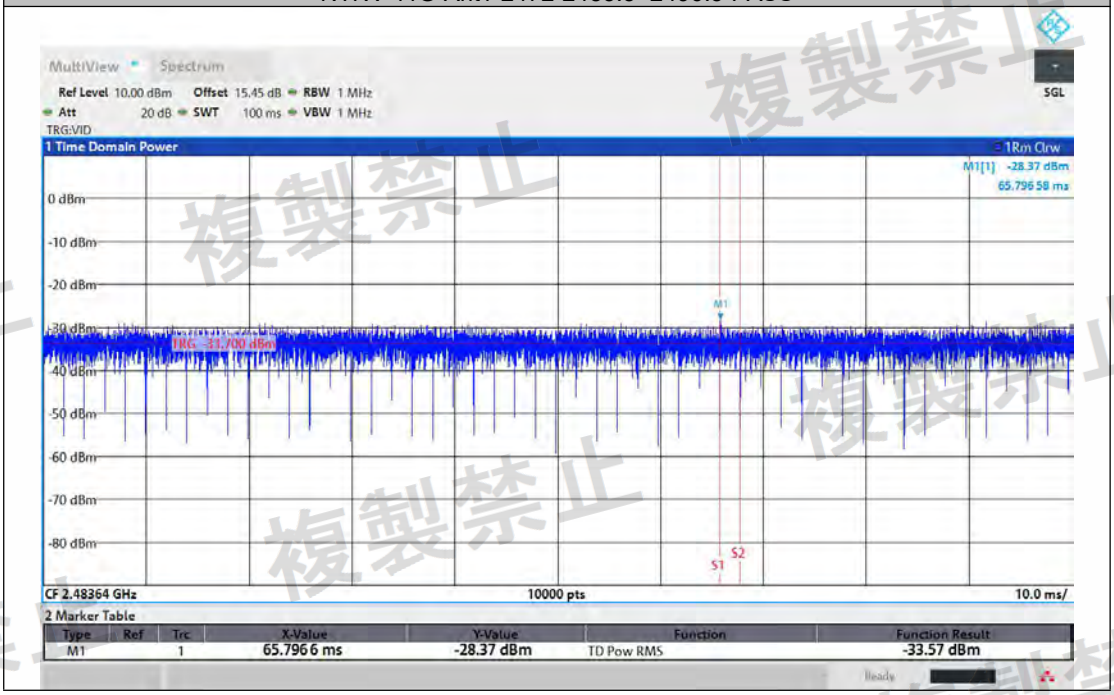


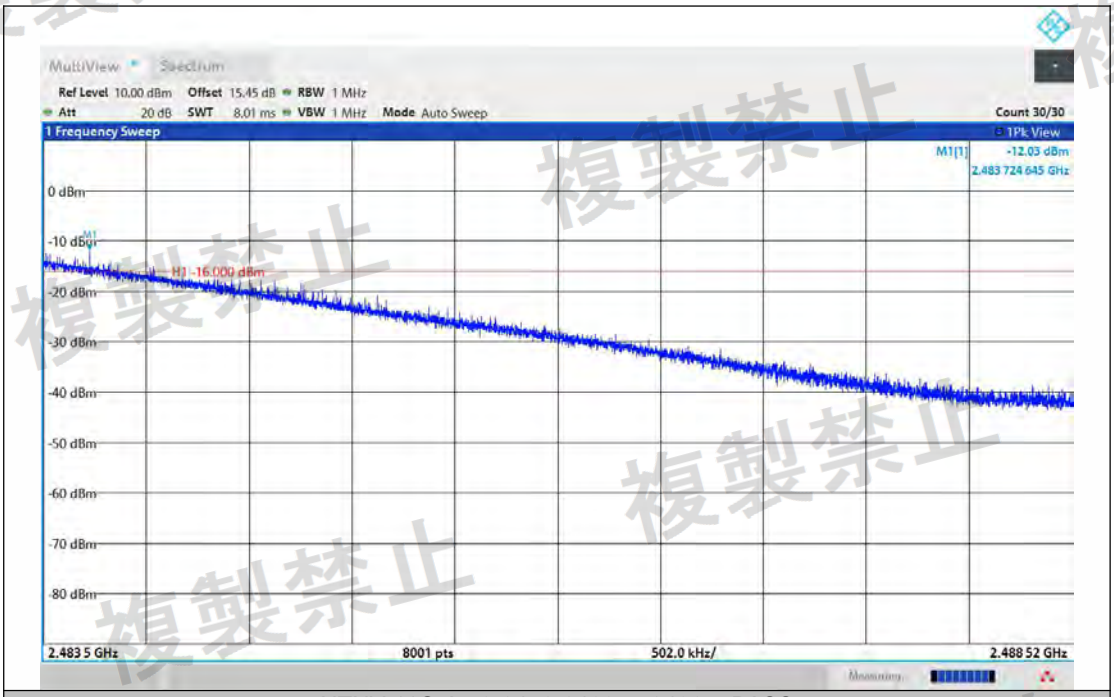
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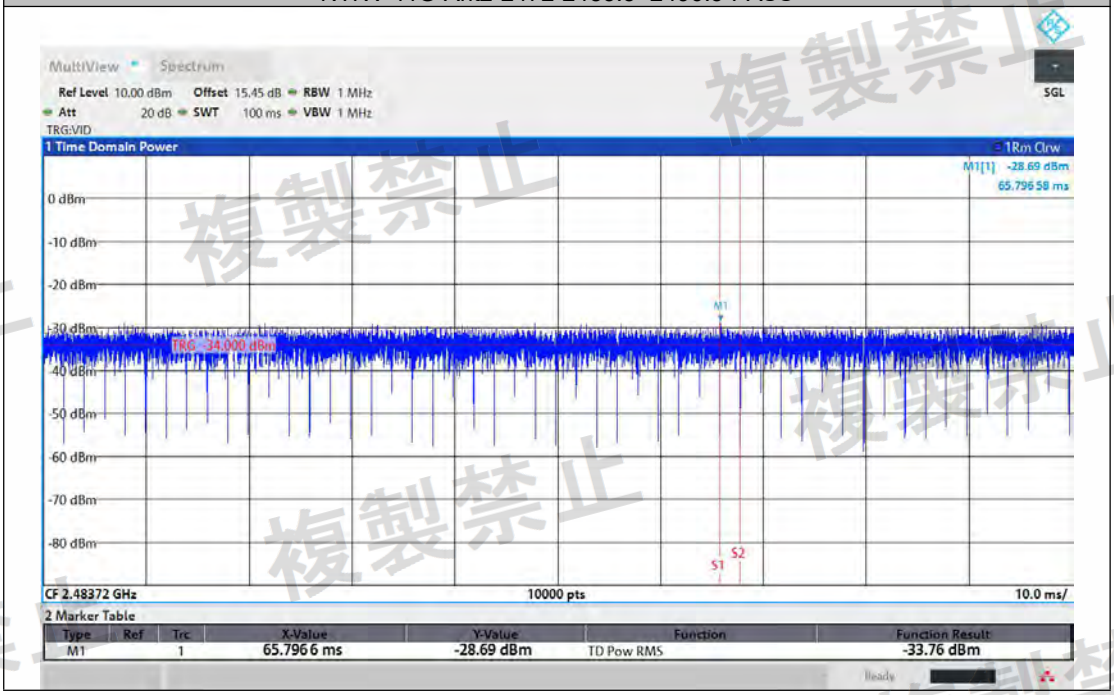


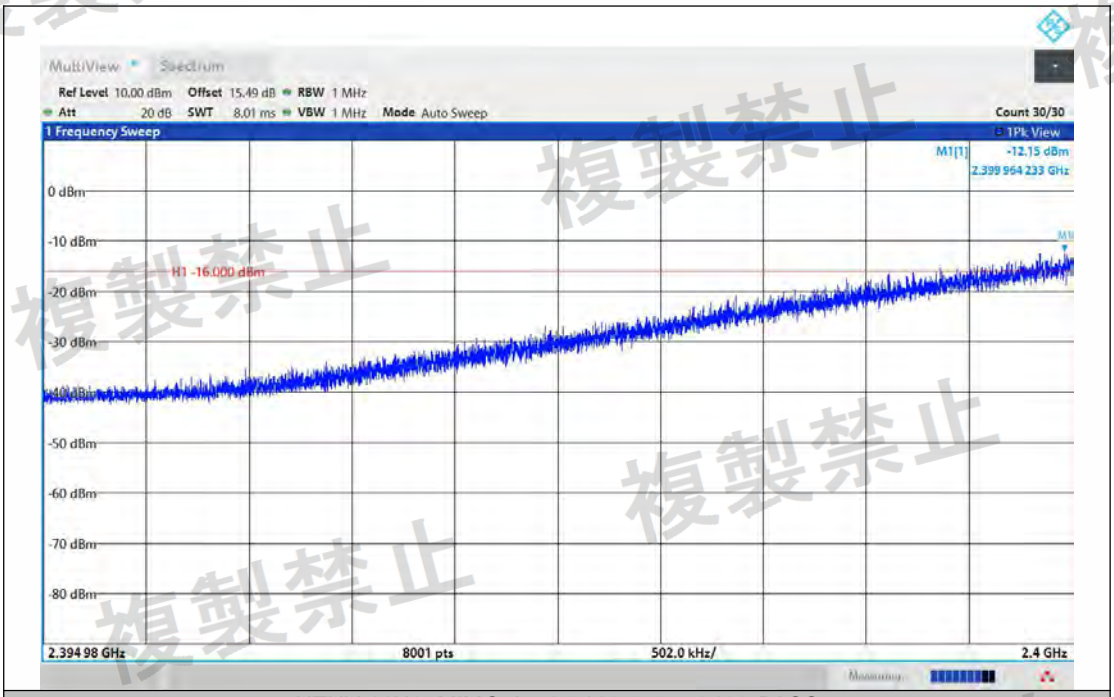
NTNV-11G-Ant1-2472-2483.5~2496.5-PASS



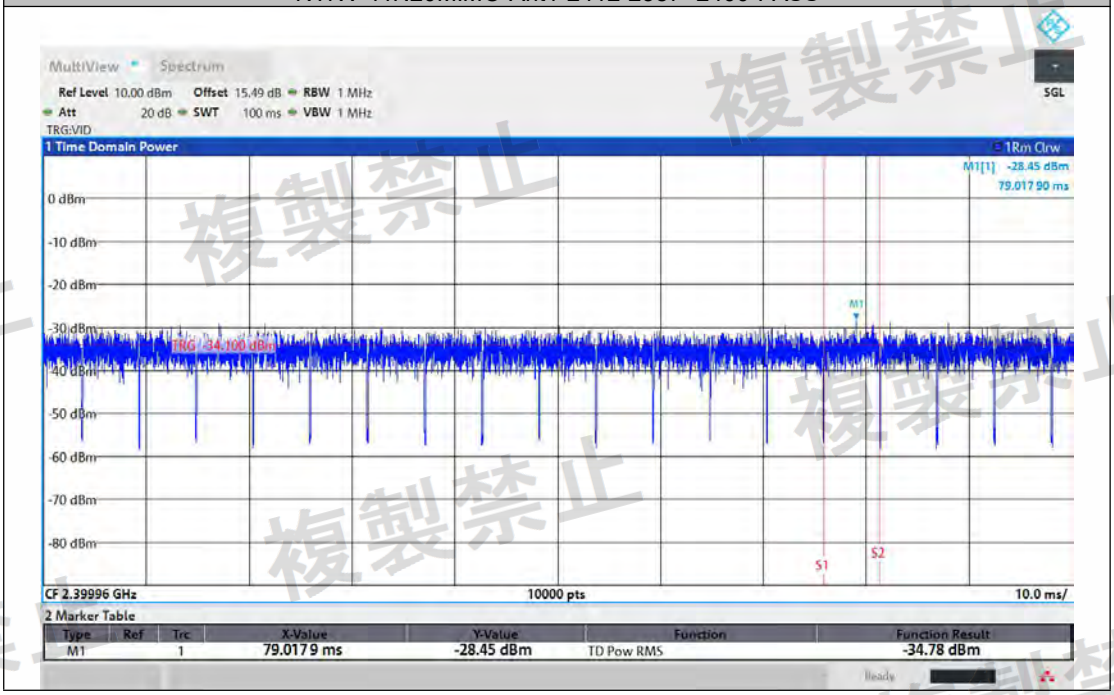


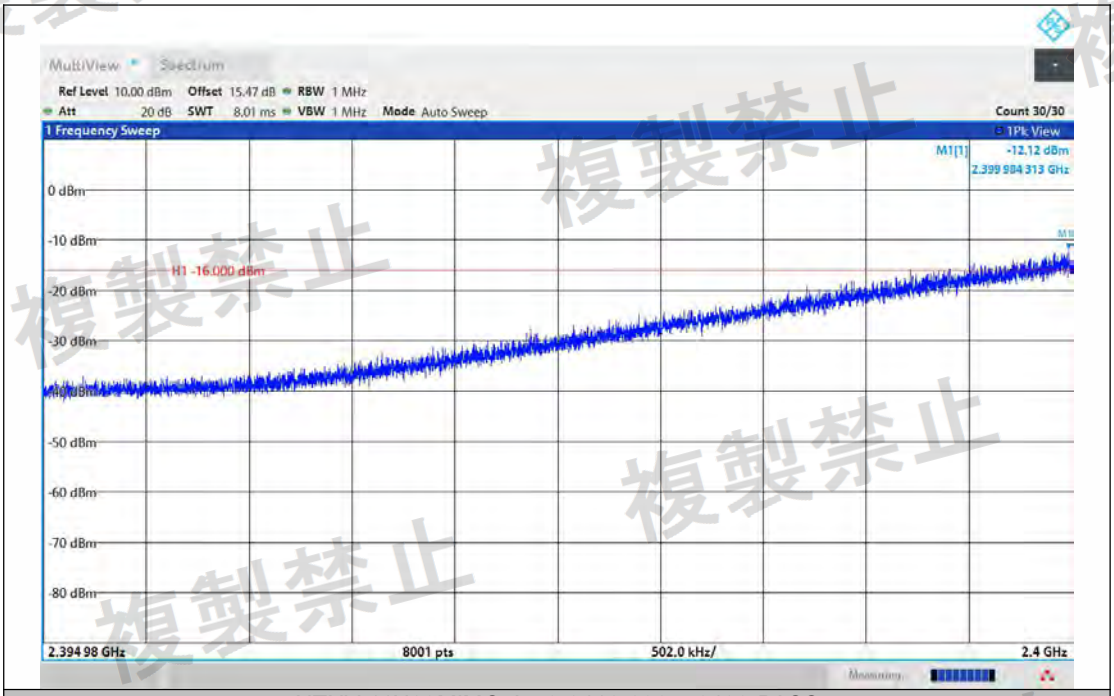
NTNV-11G-Ant2-2472-2483.5~2496.5-PASS



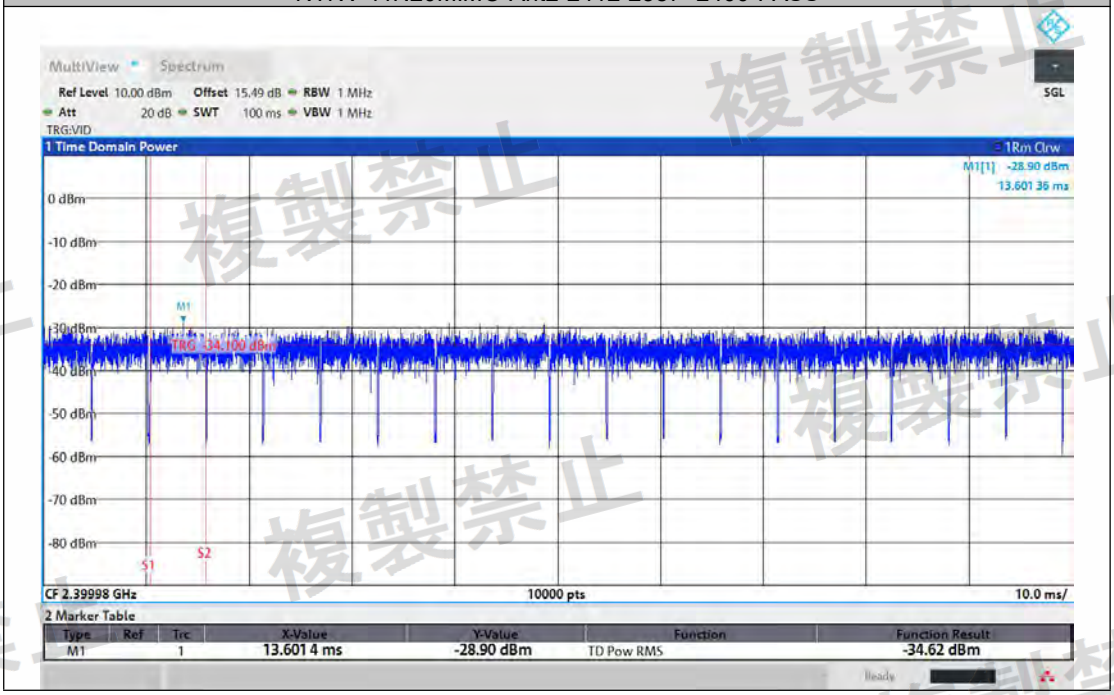


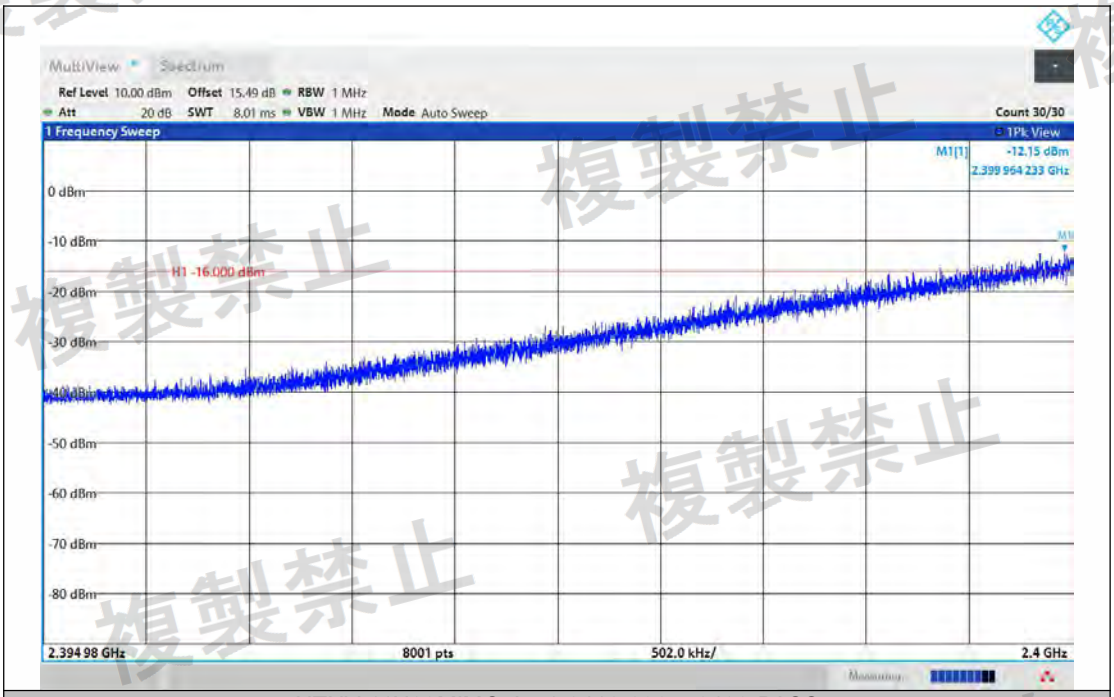
NTNV-11N20MIMO-Ant1-2412-2387~2400-PASS



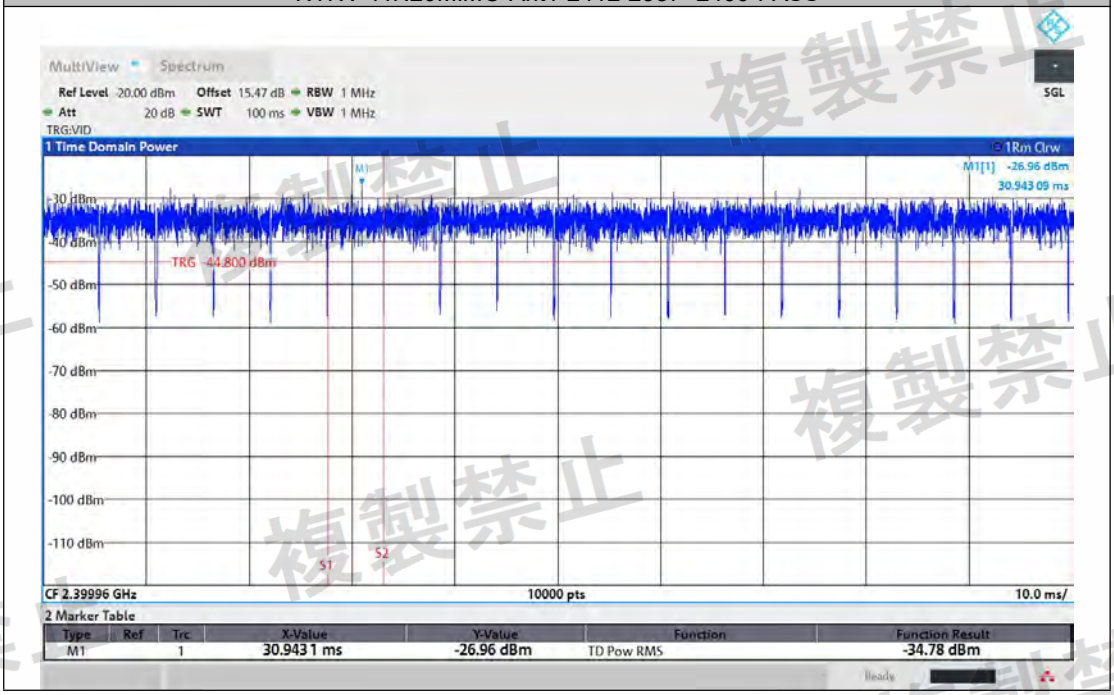


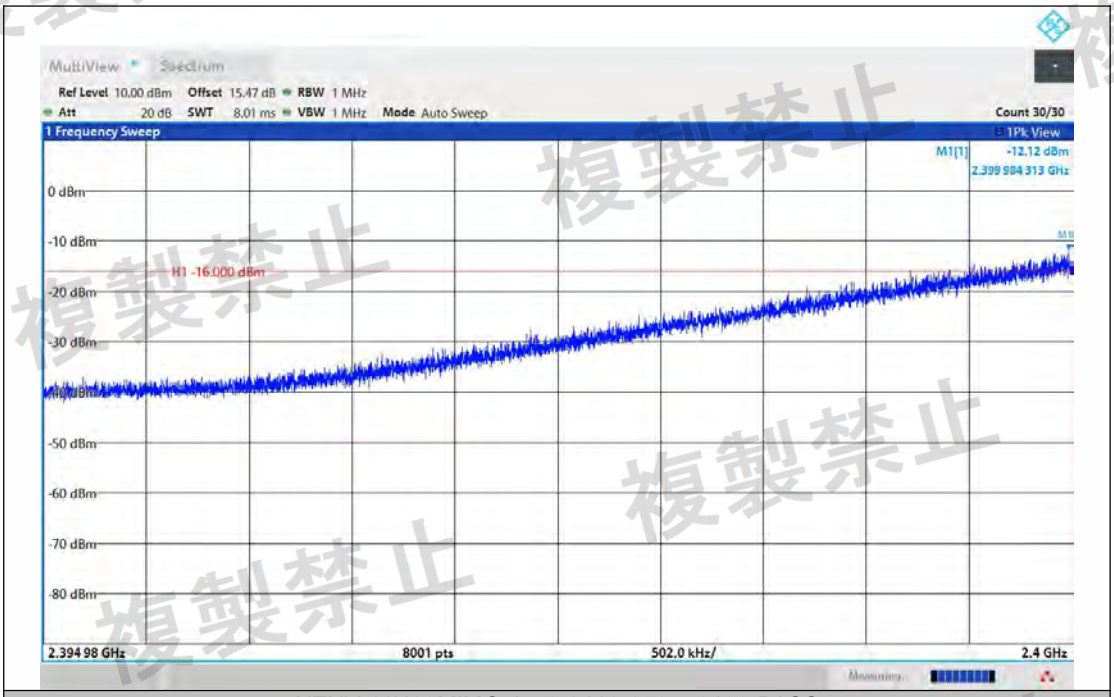
NTNV-11N20MIMO-Ant2-2412-2387~2400-PASS



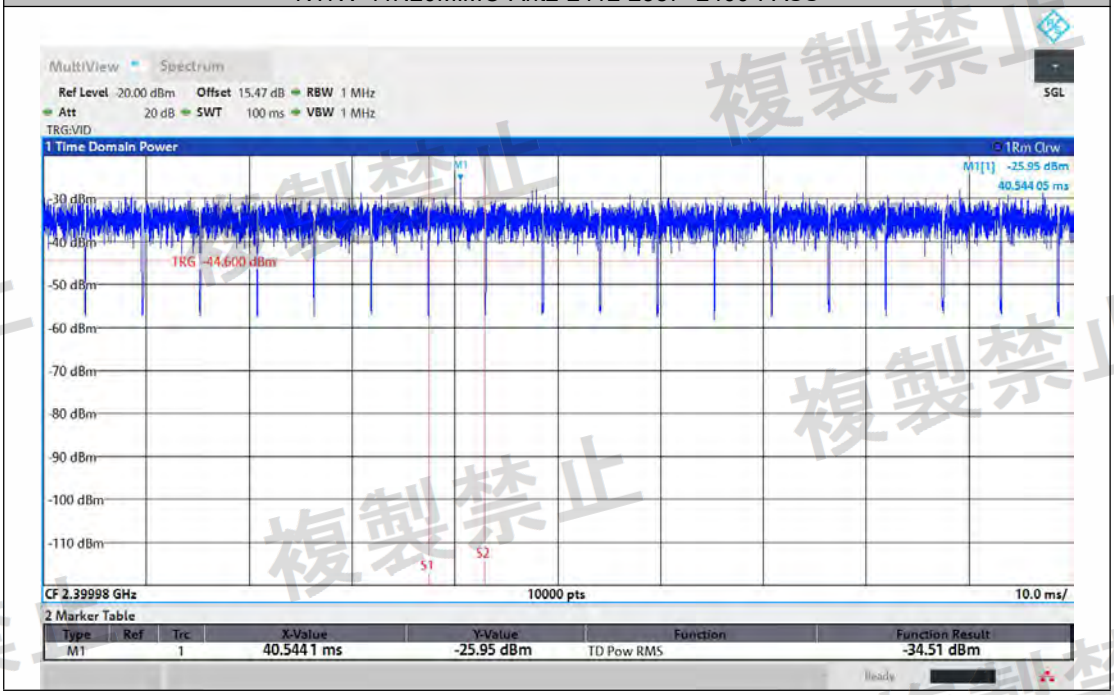


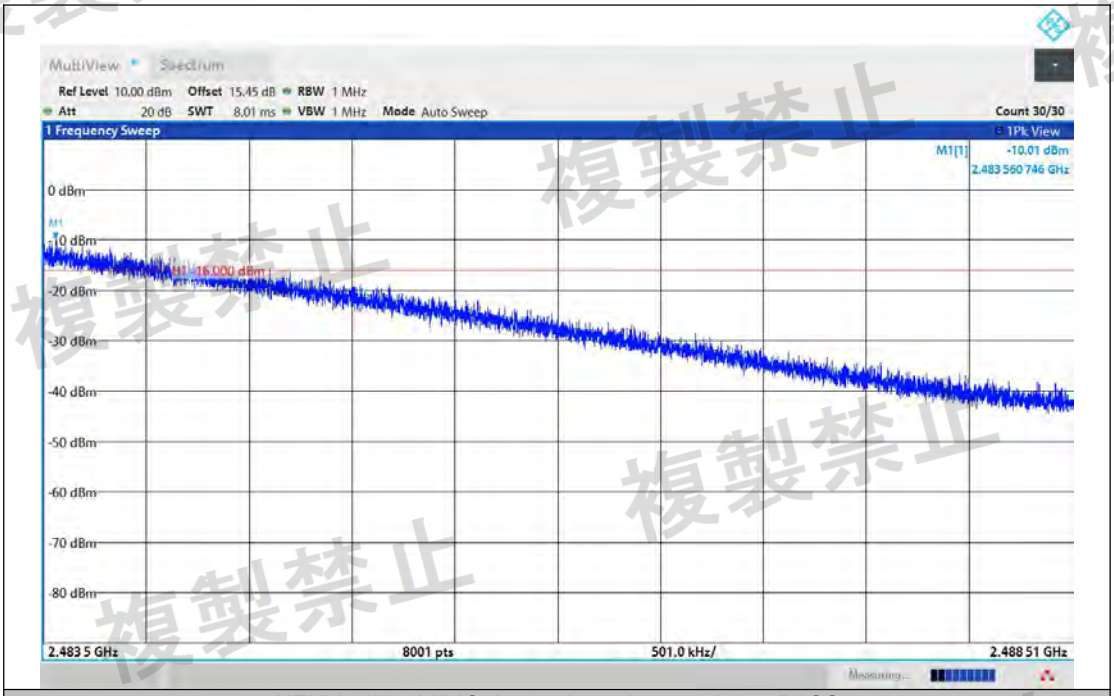
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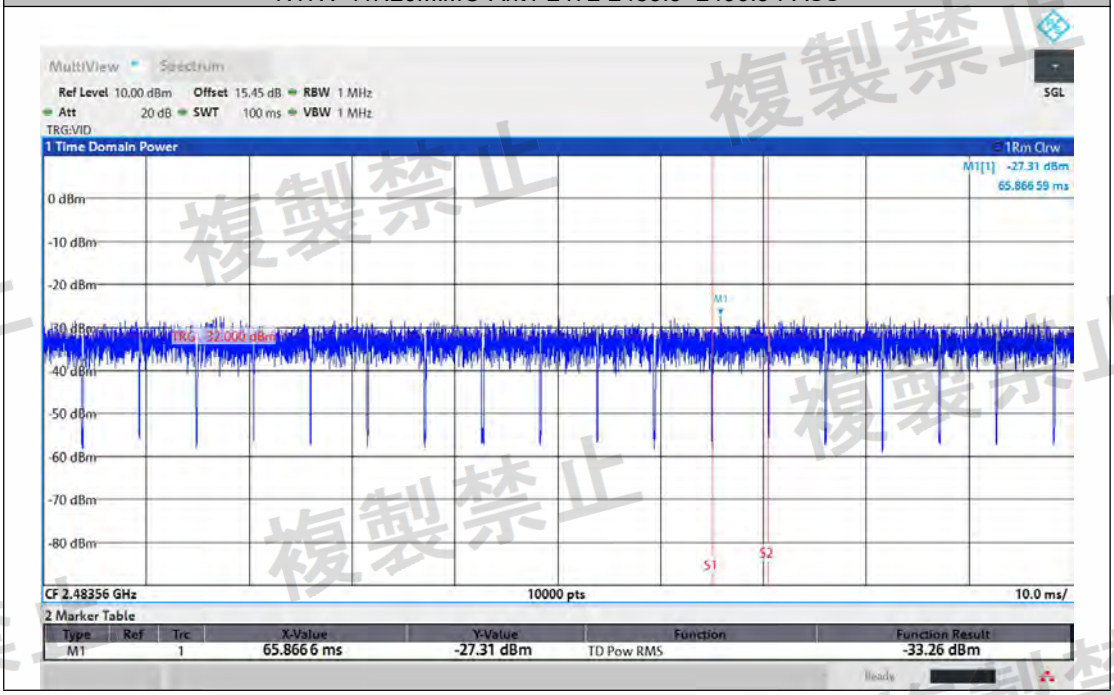


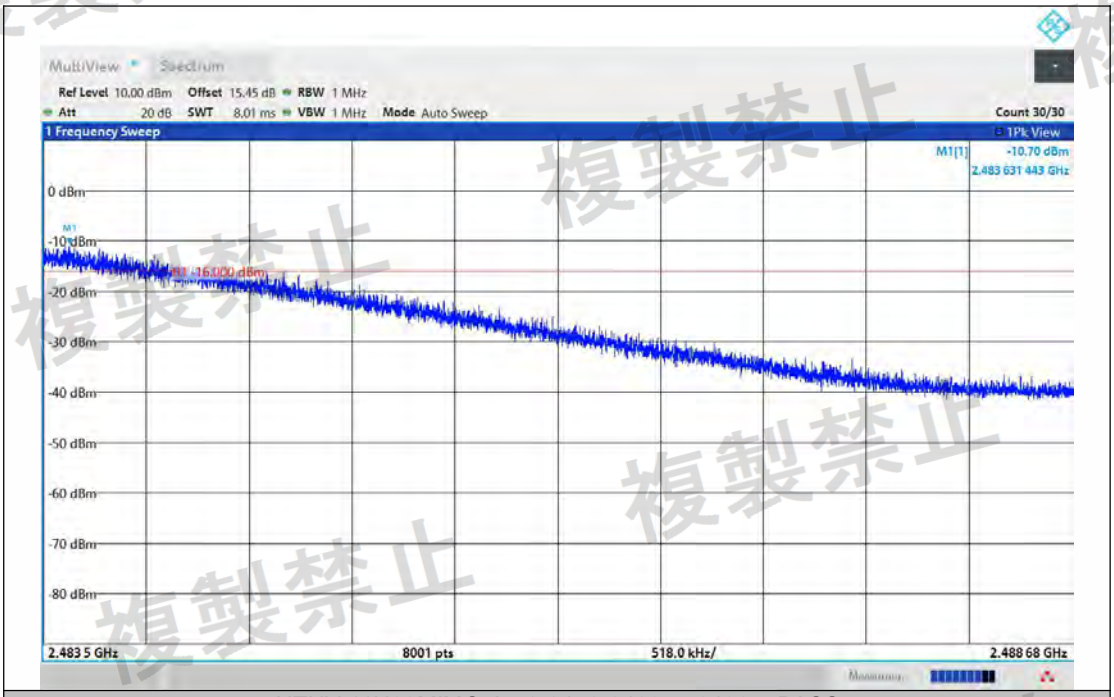
NTNV-11N20MIMO-Ant2-2412-2387~2400-PASS



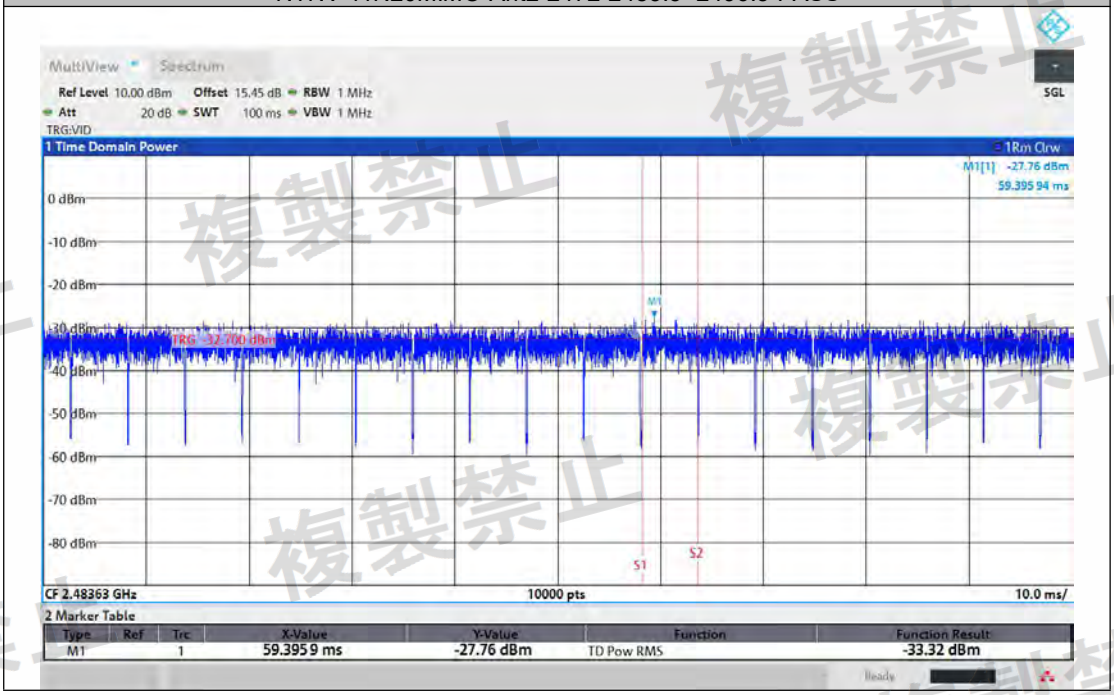


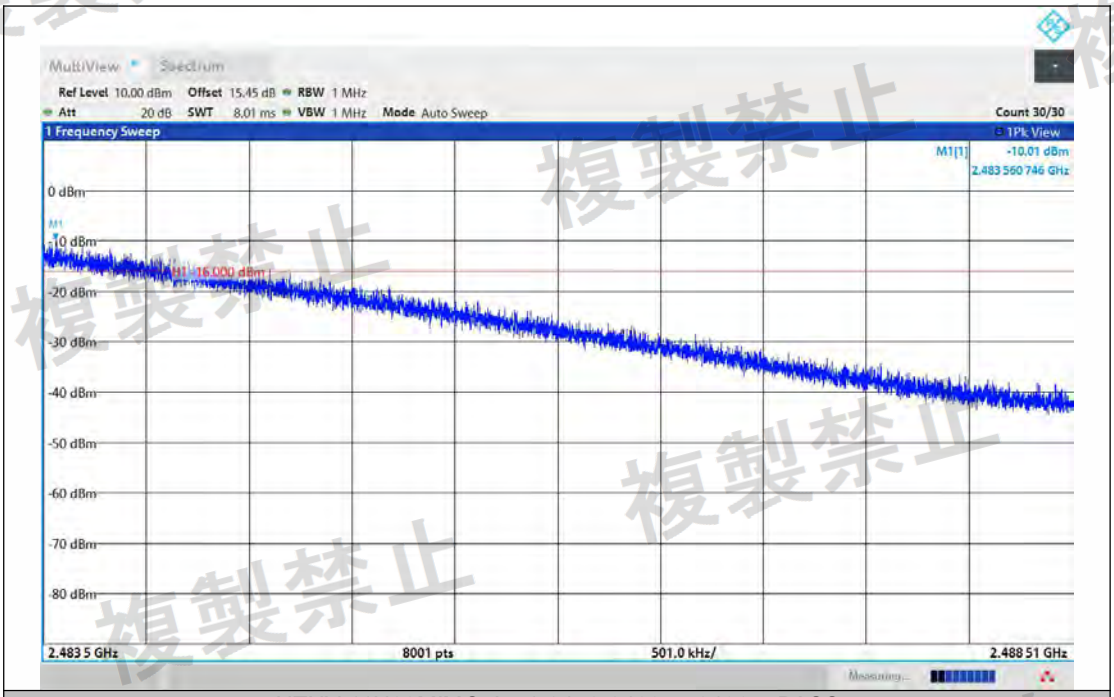
NTNV-11N20MIMO-Ant1-2472-2483.5~2496.5-PASS



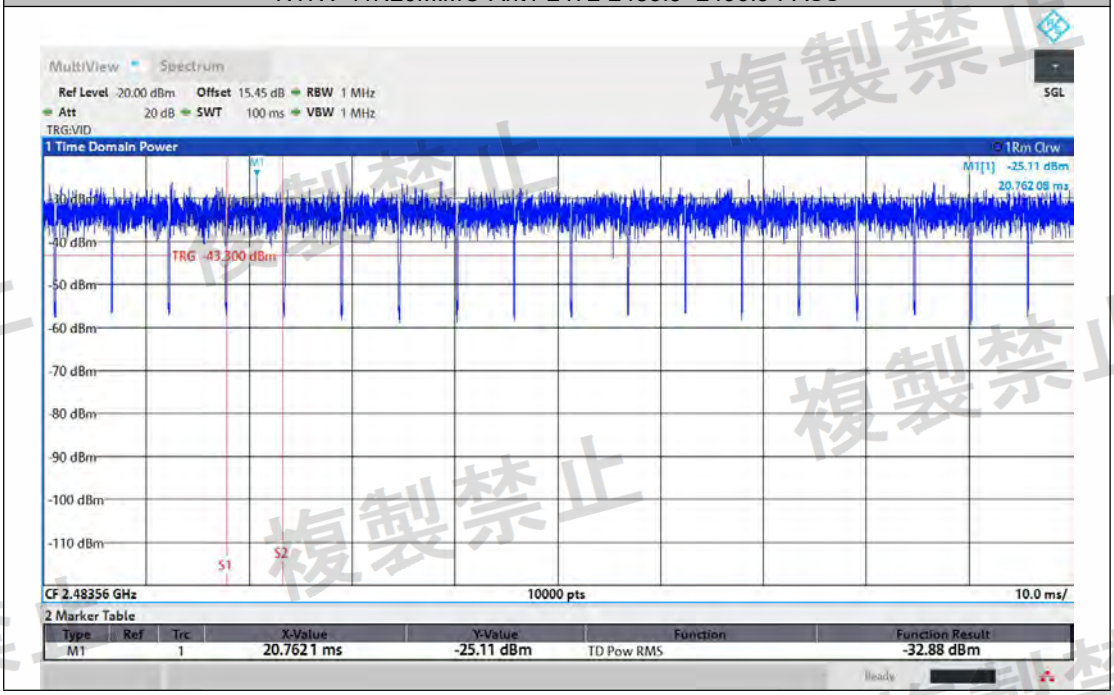


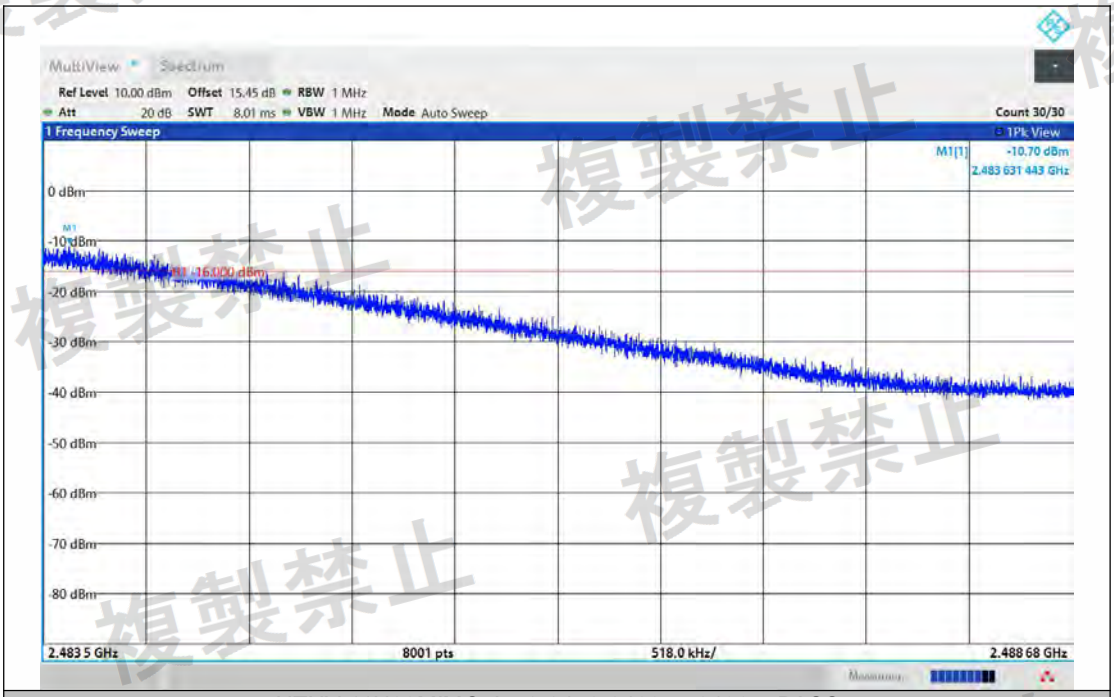
NTNV-11N20MIMO-Ant2-2472-2483.5~2496.5-PASS



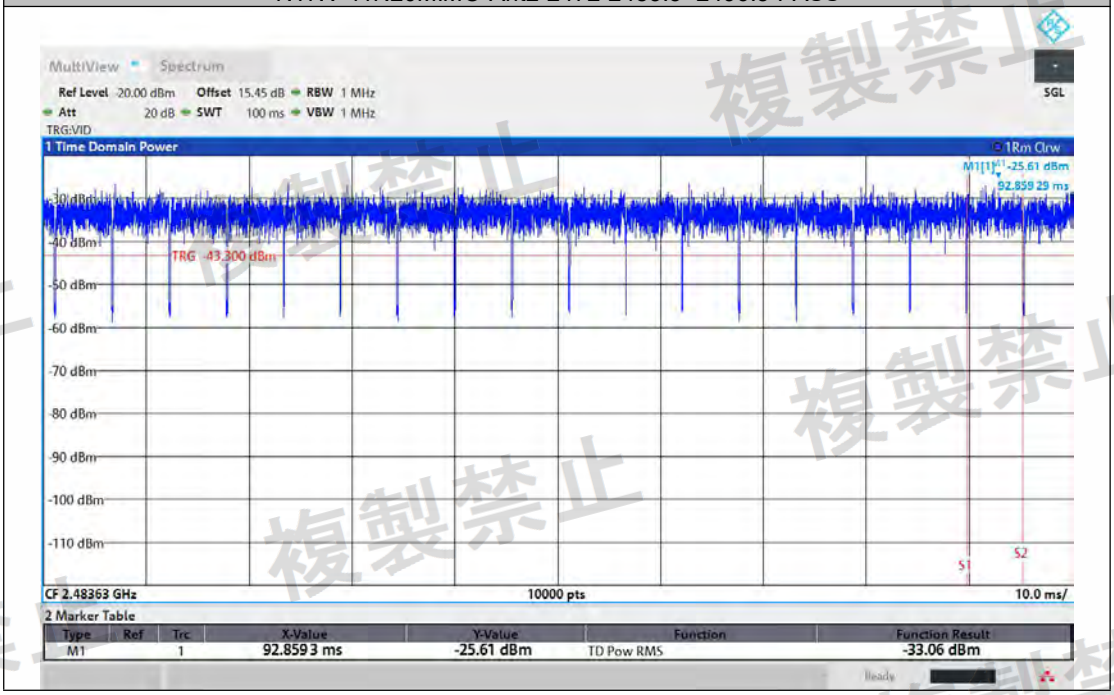


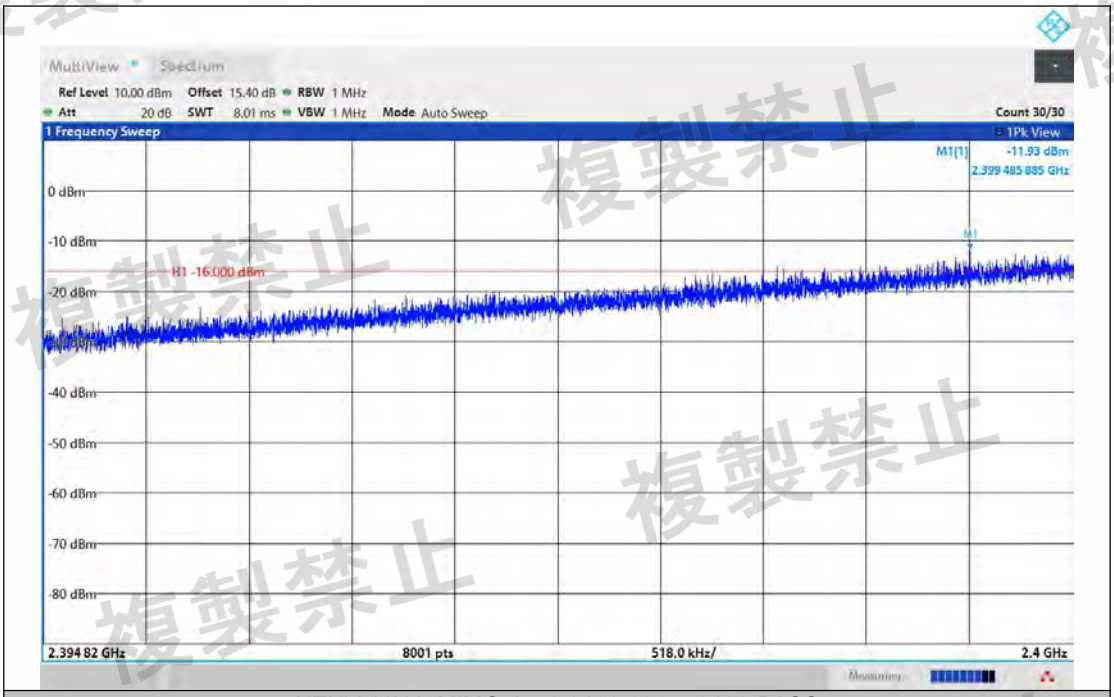
NTNV-11N20MIMO-Ant1-2472-2483.5~2496.5-PASS



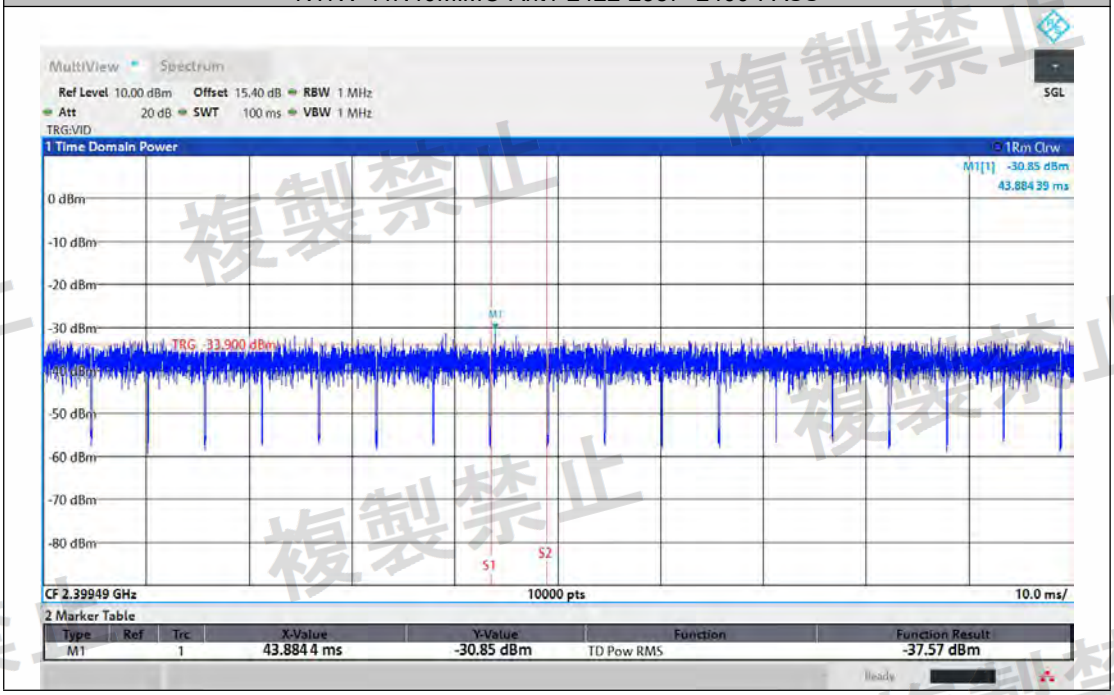


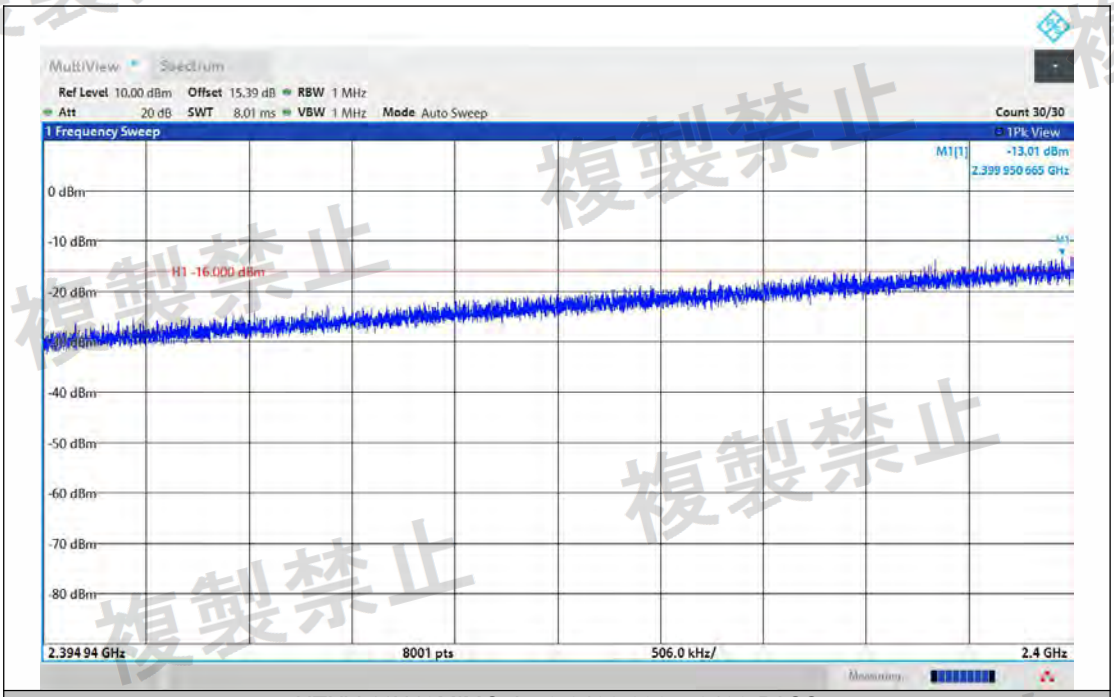
NTNV-11N20MIMO-Ant2-2472-2483.5~2496.5-PASS



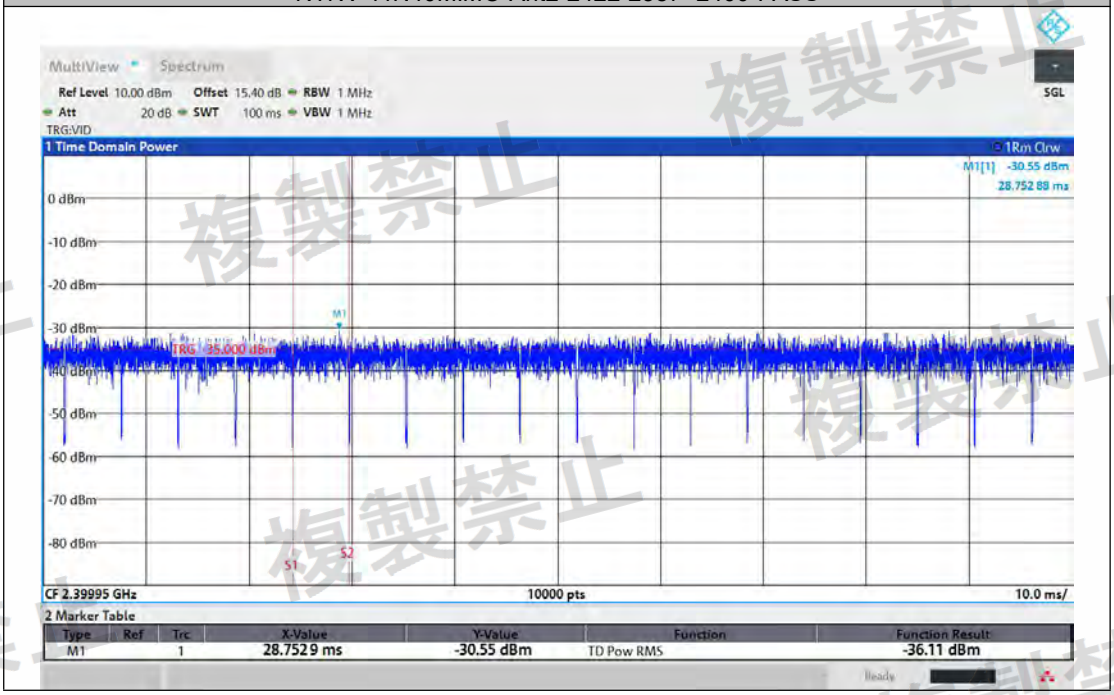


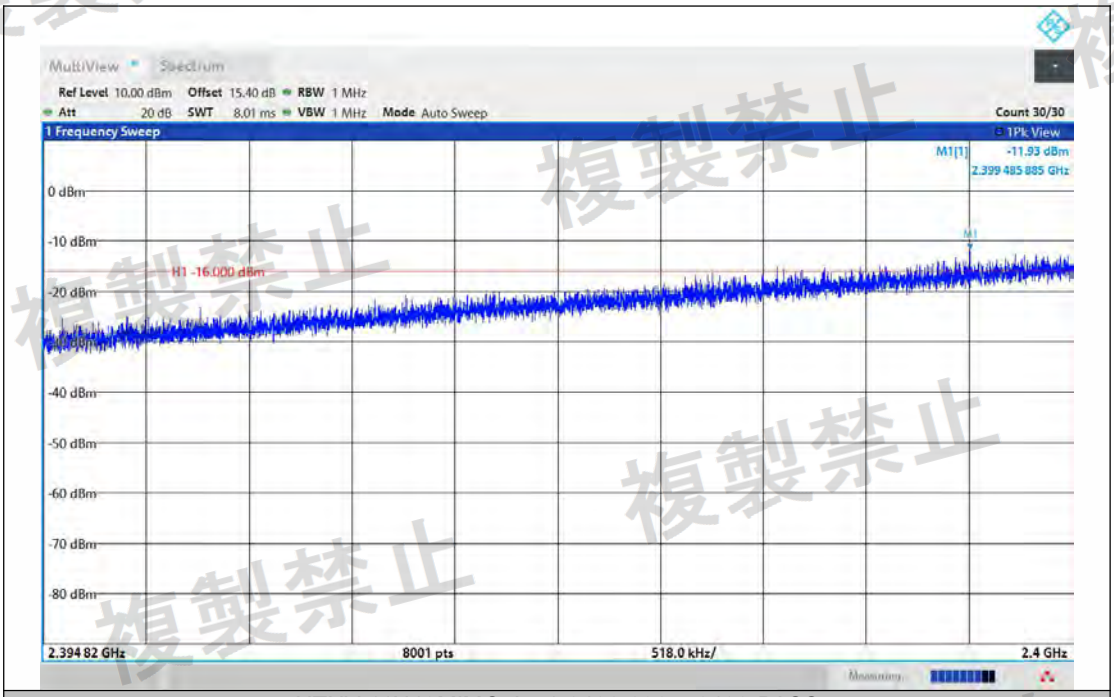
NTNV-11N40MIMO-Ant1-2422-2387~2400-PASS



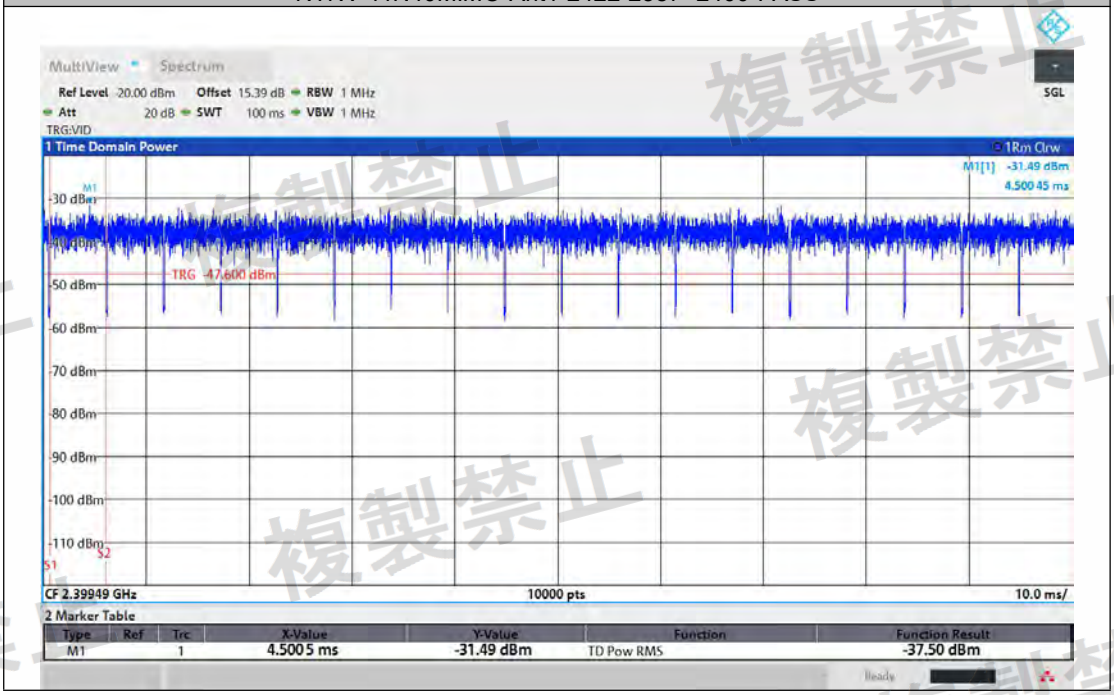


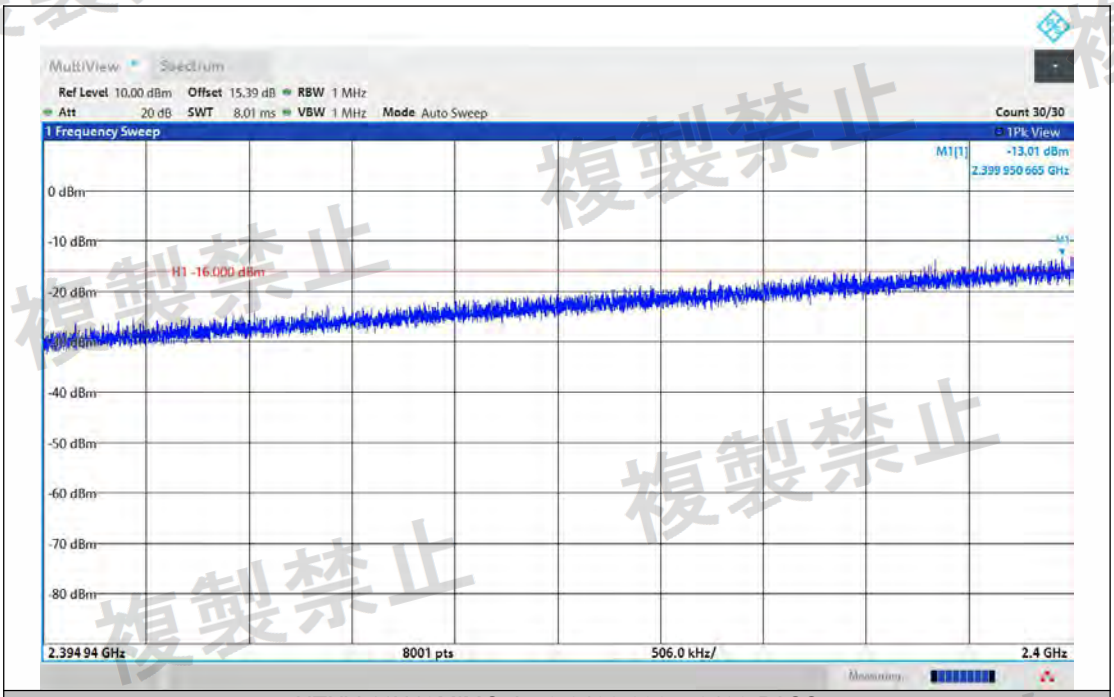
NTNV-11N40MIMO-Ant2-2422-2387~2400-PASS



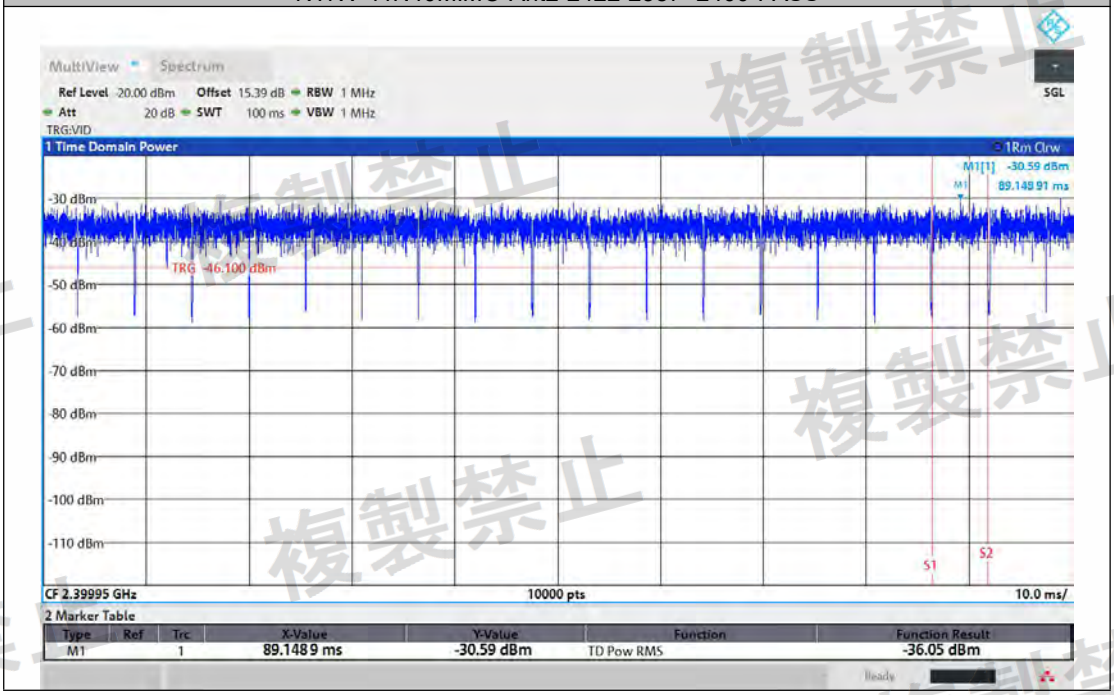


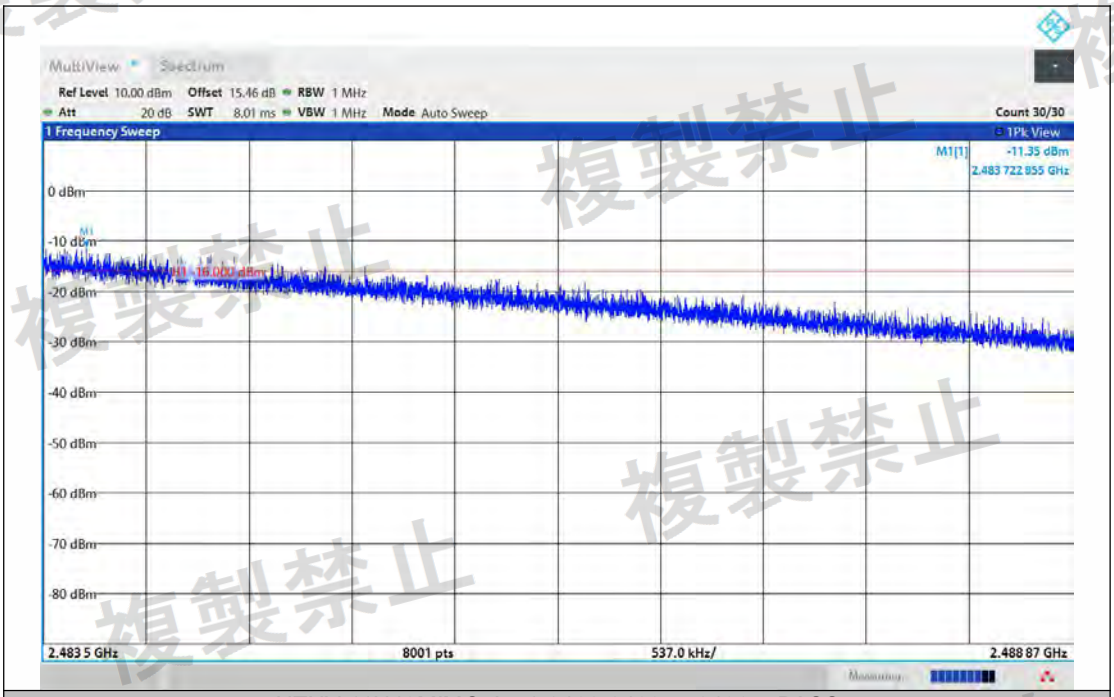
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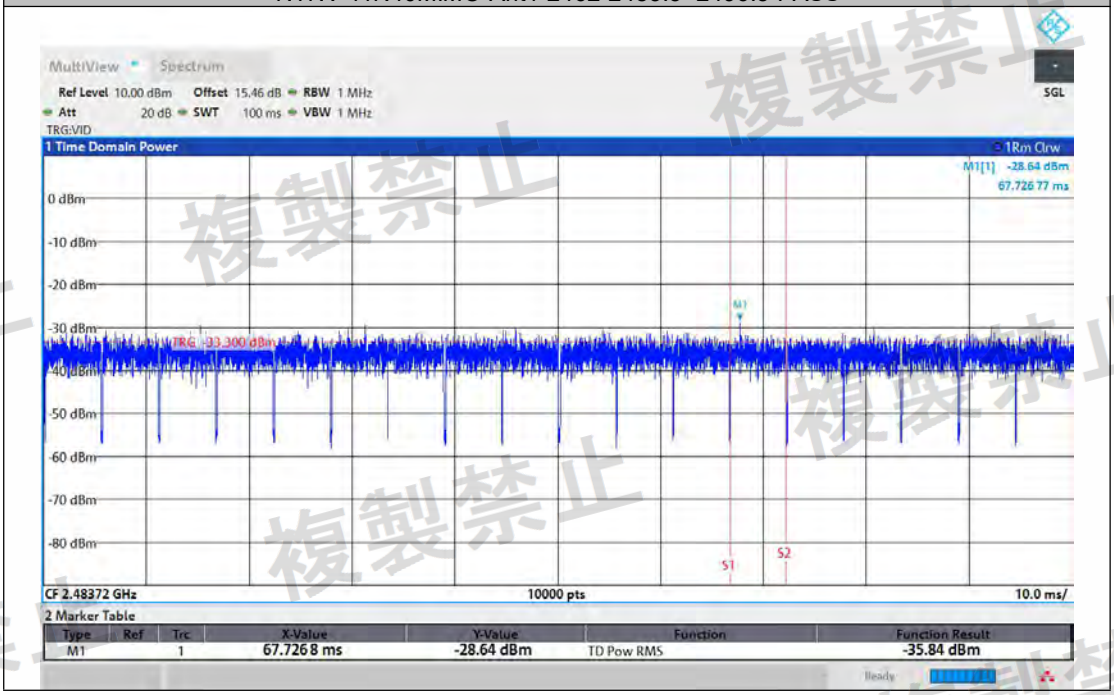


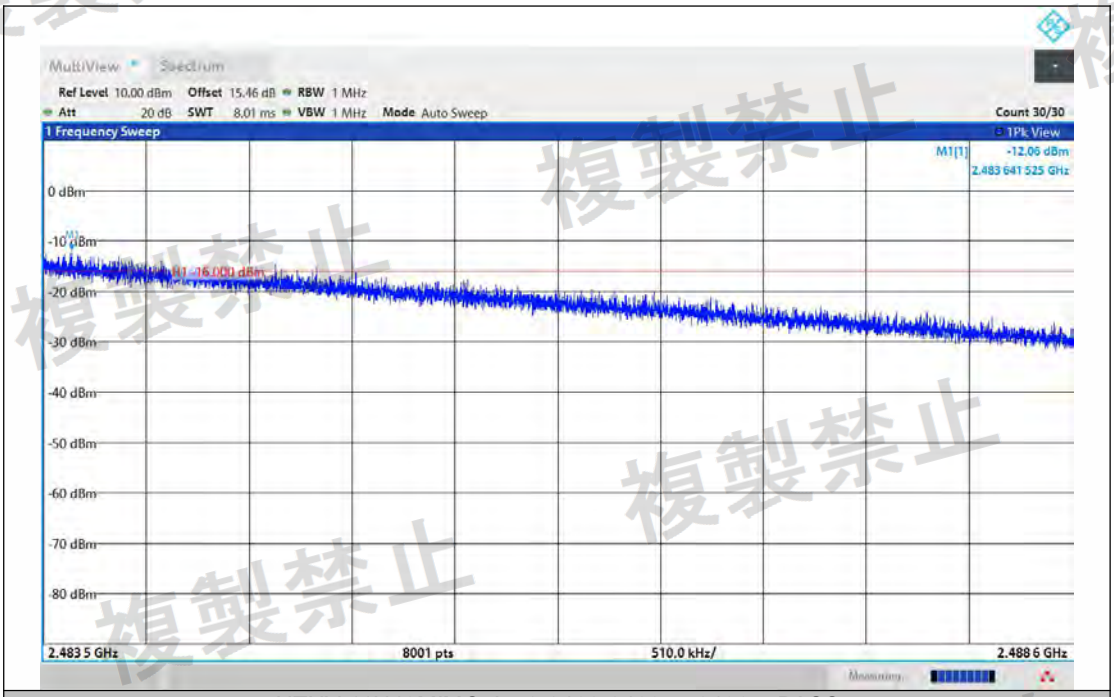
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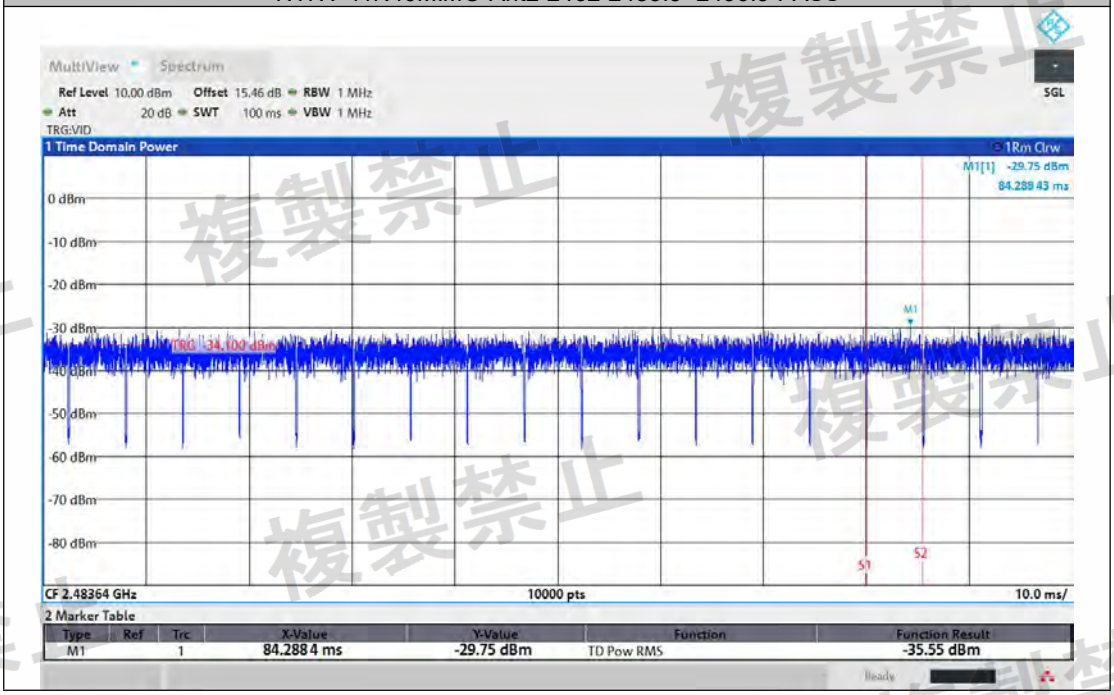


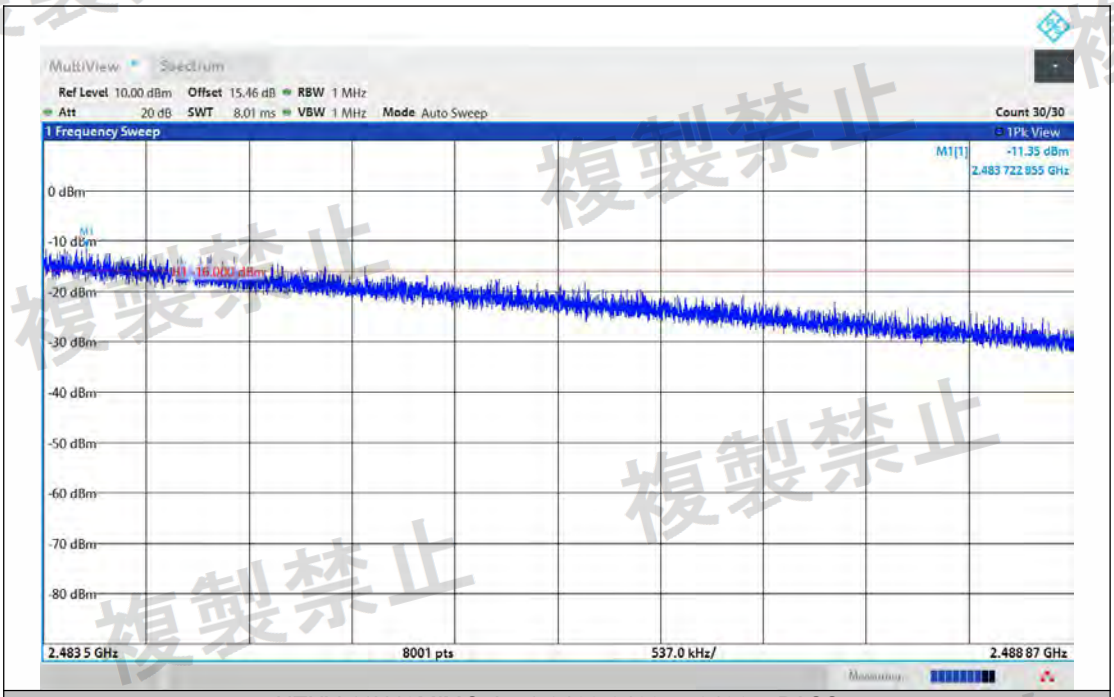
NTNV-11N40MIMO-Ant1-2462-2483.5~2496.5-PASS



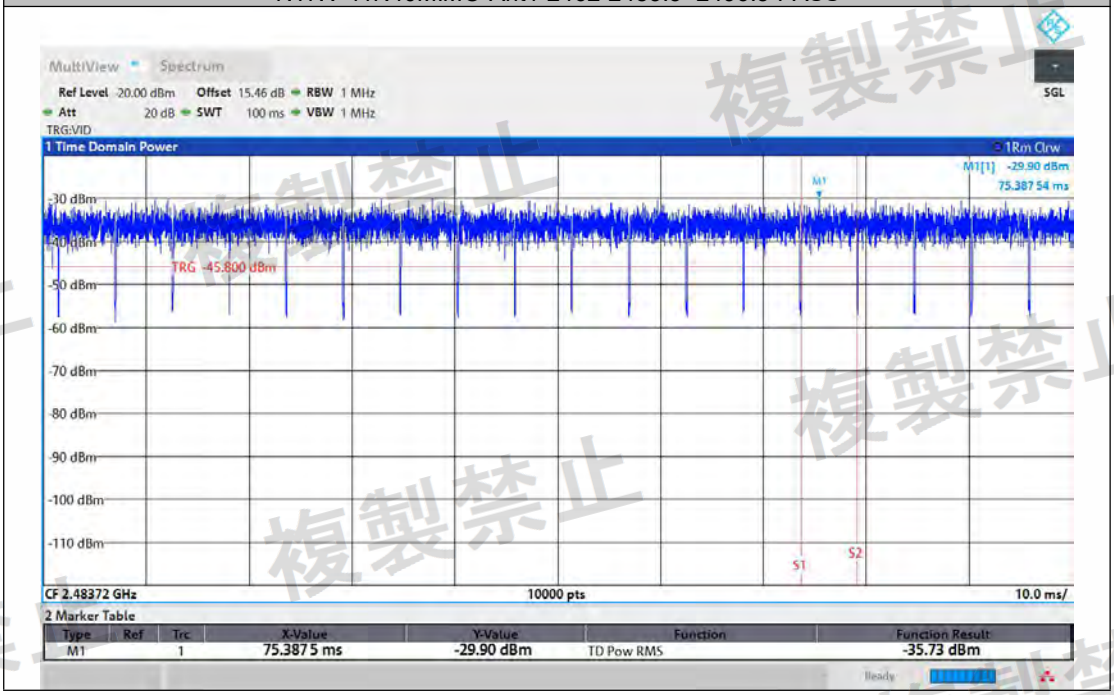


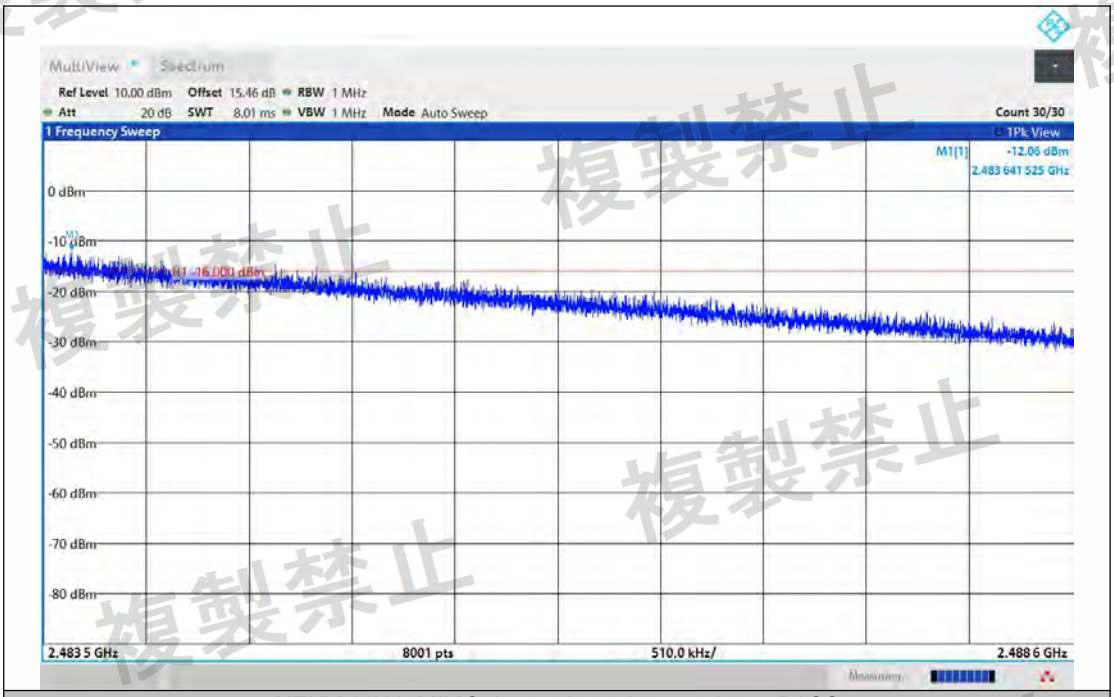
NTNV-11N40MIMO-Ant2-2462-2483.5~2496.5-PASS



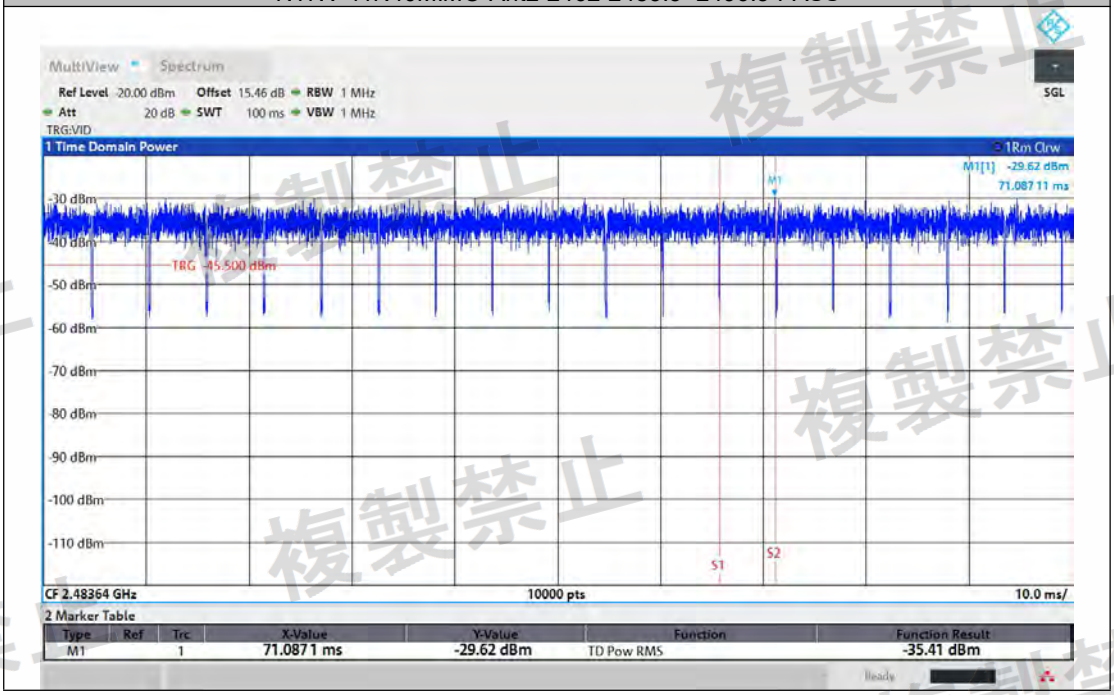


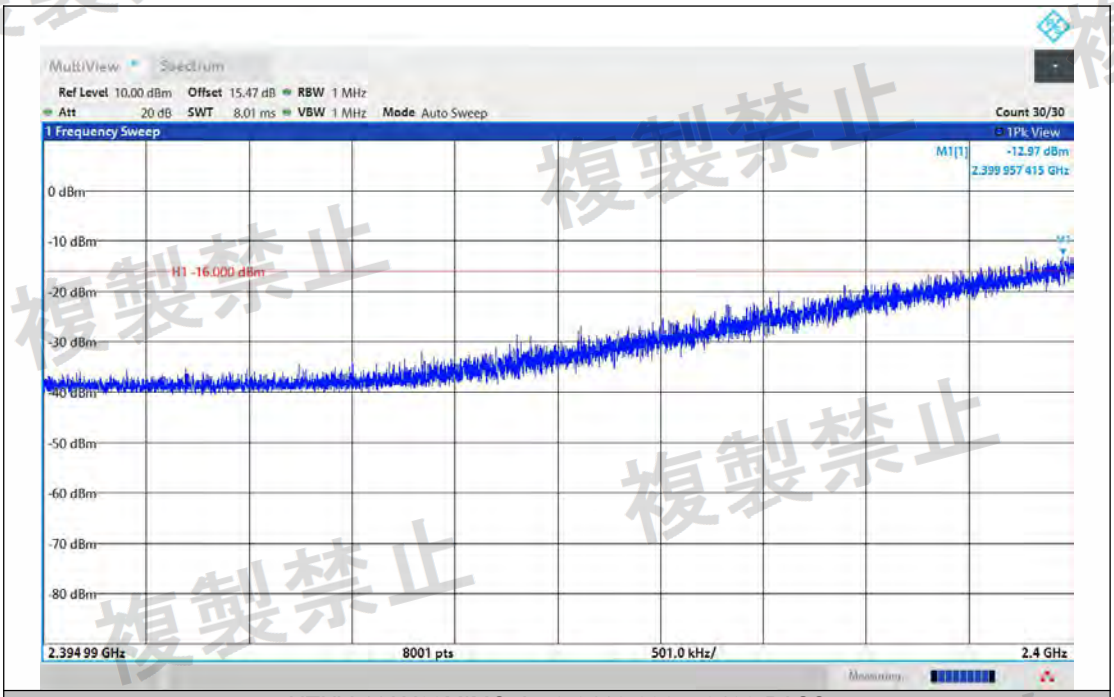
NTNV-11N40MIMO-Ant1-2462-2483.5~2496.5-PASS



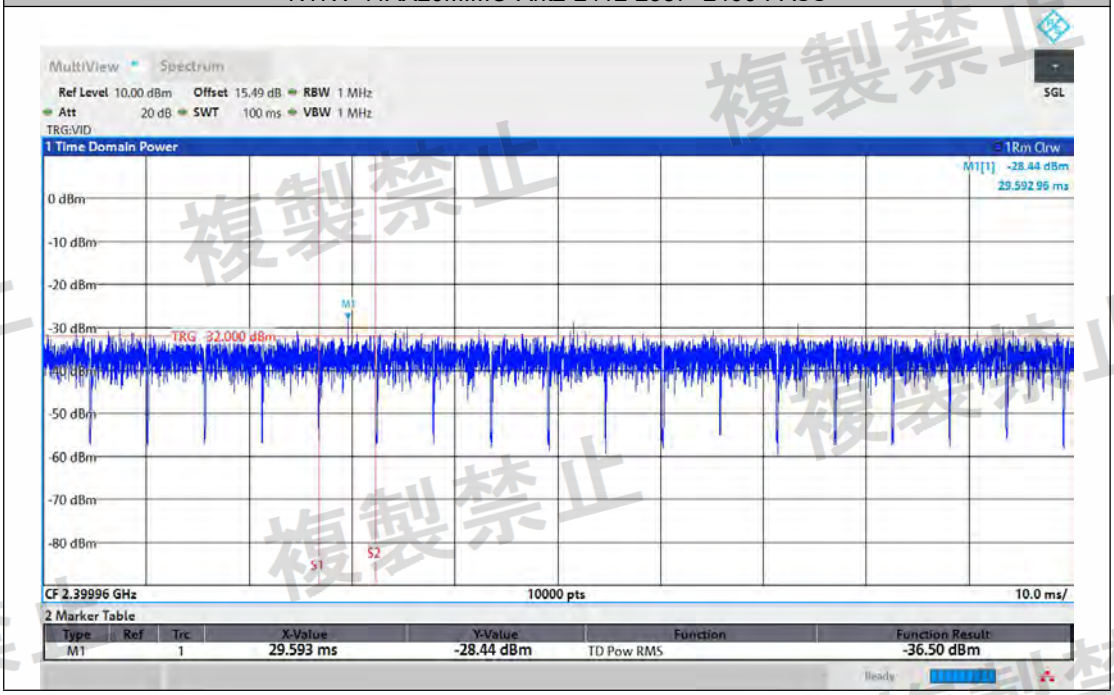


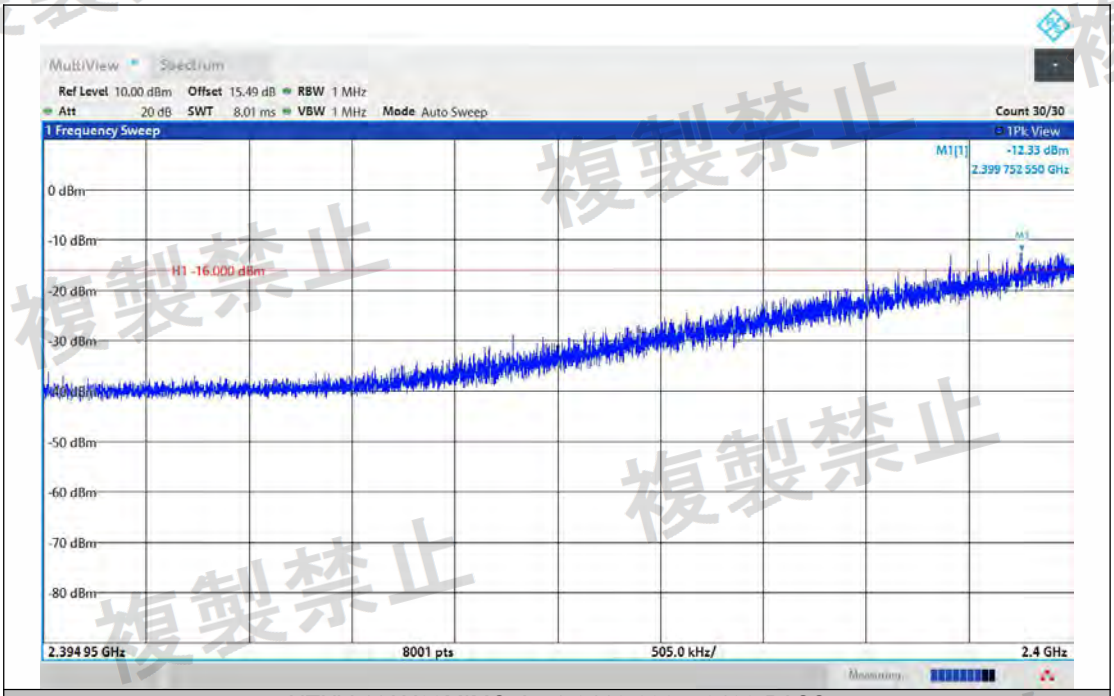
NTNV-11N40MIMO-Ant2-2462-2483.5~2496.5-PASS



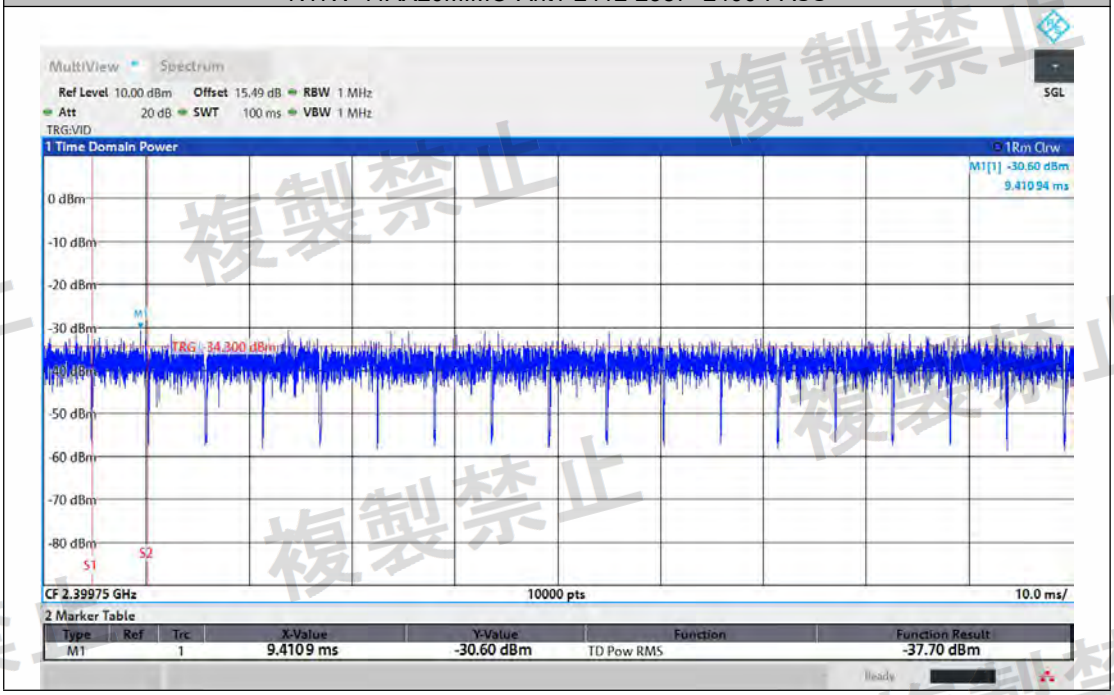


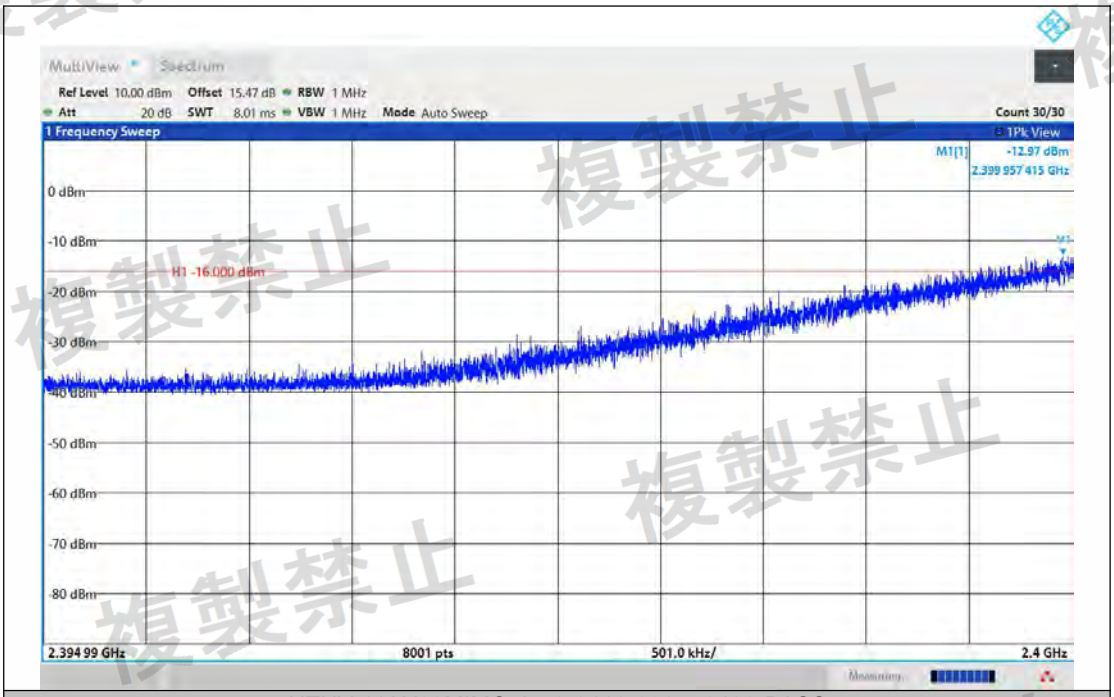
NTNV-11AX20MIMO-Ant2-2412-2387~2400-PASS



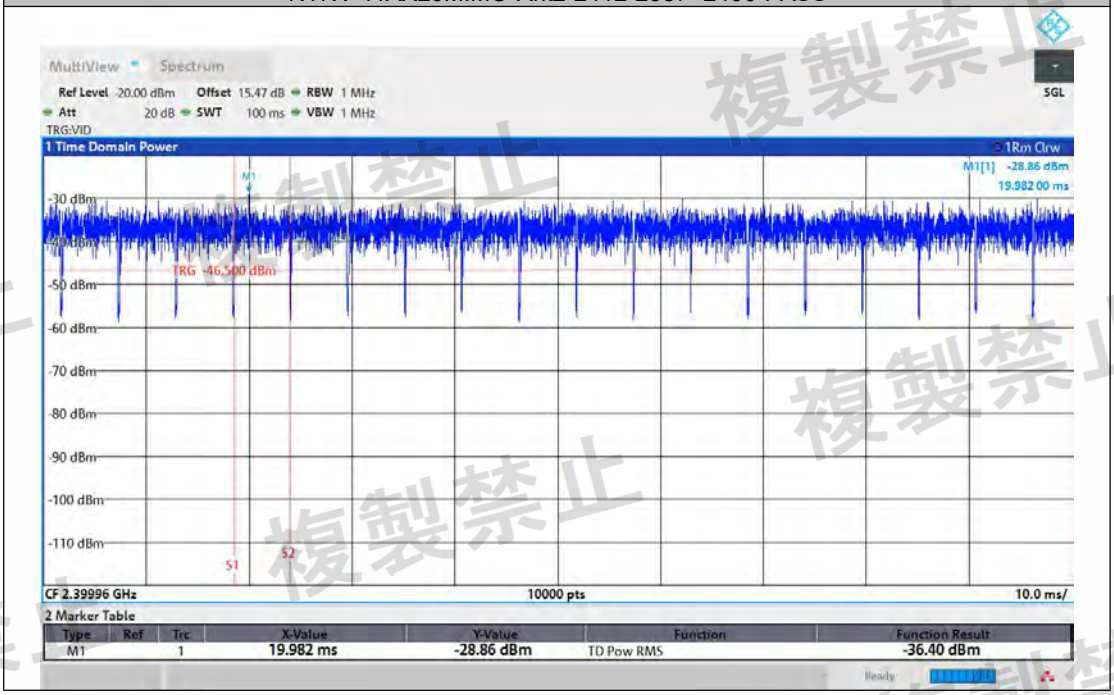


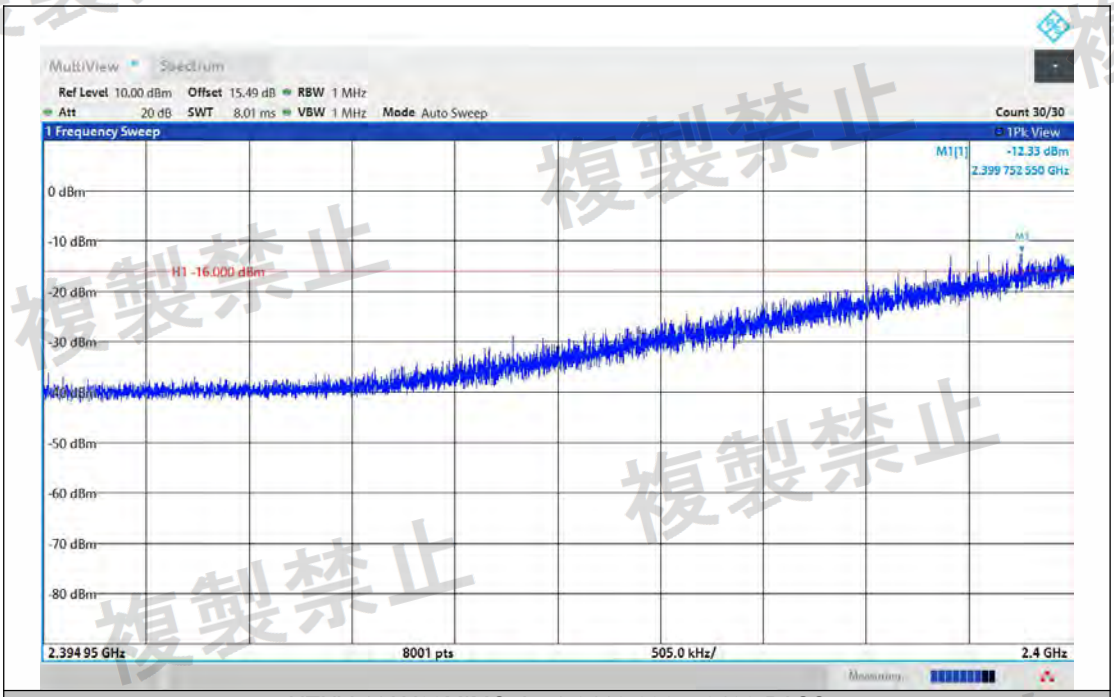
NTNV-11AX20MIMO-Ant1-2412-2387~2400-PASS



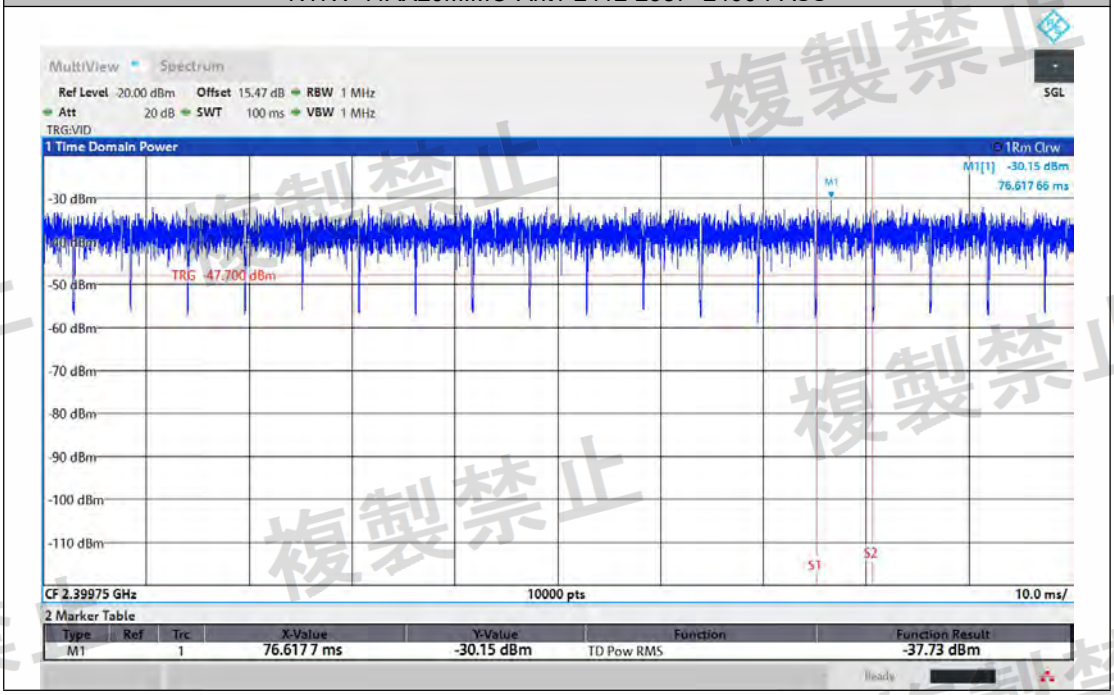


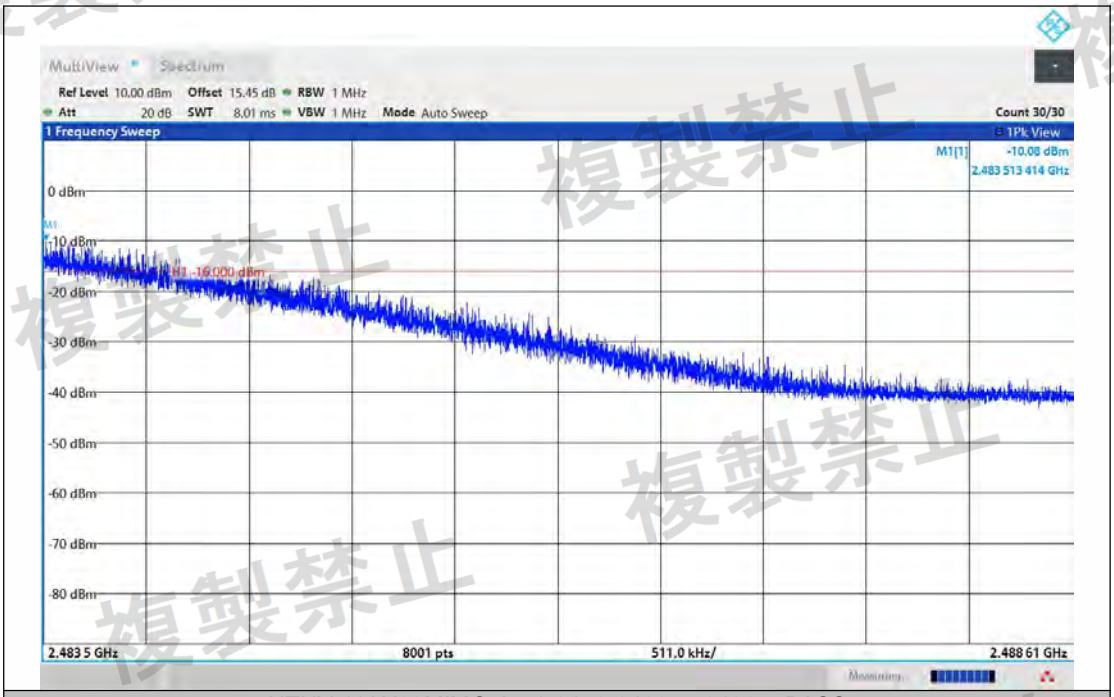
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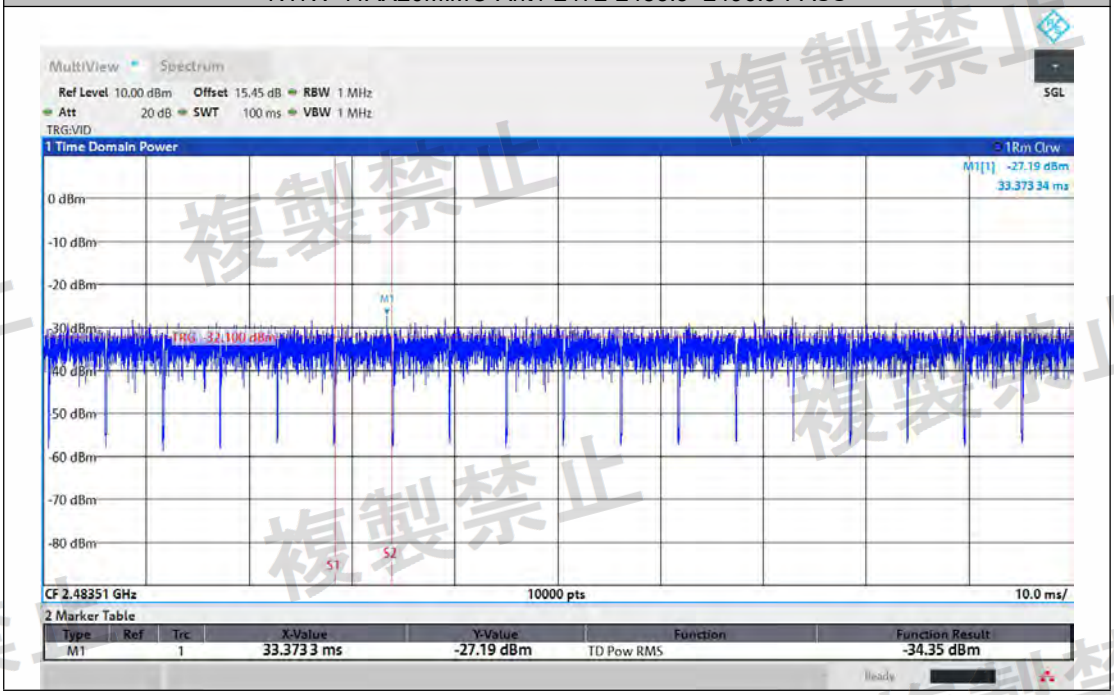


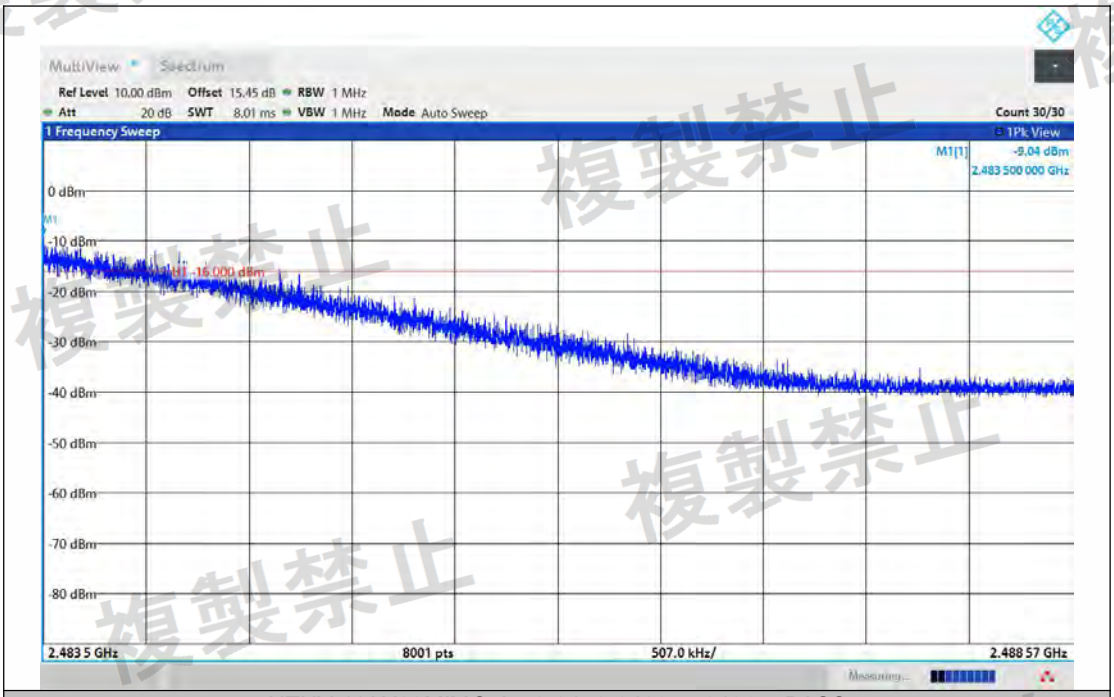
NTNV-11AX20MIMO-Ant1-2412-2387~2400-PASS



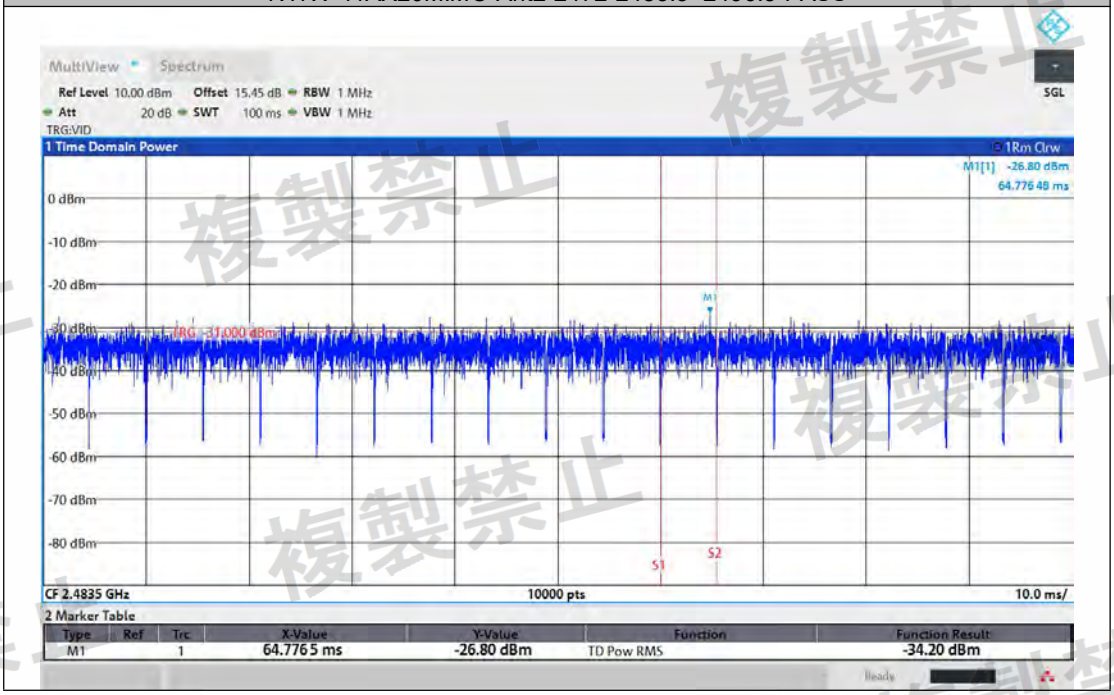


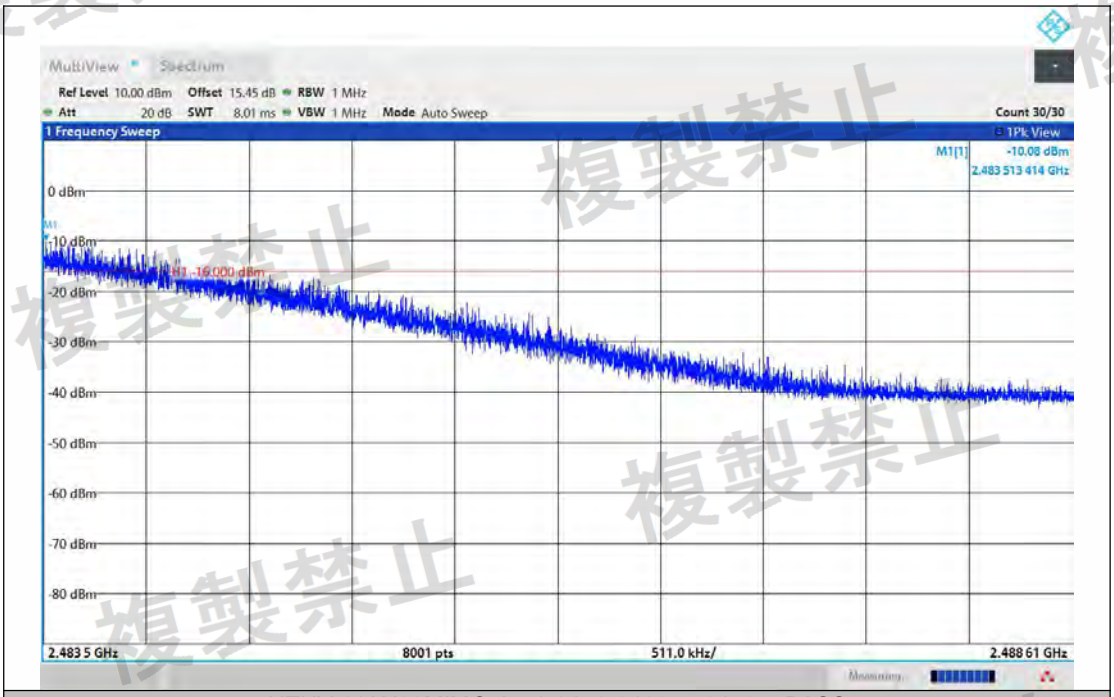
NTNV-11AX20MIMO-Ant1-2472-2483.5~2496.5-PASS



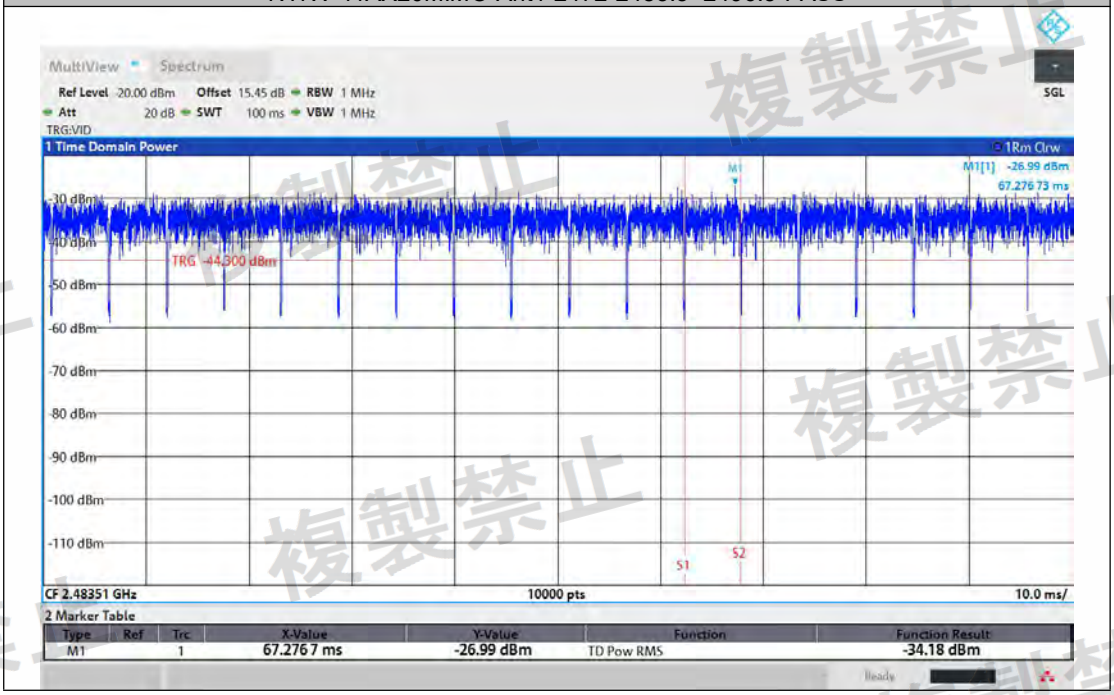


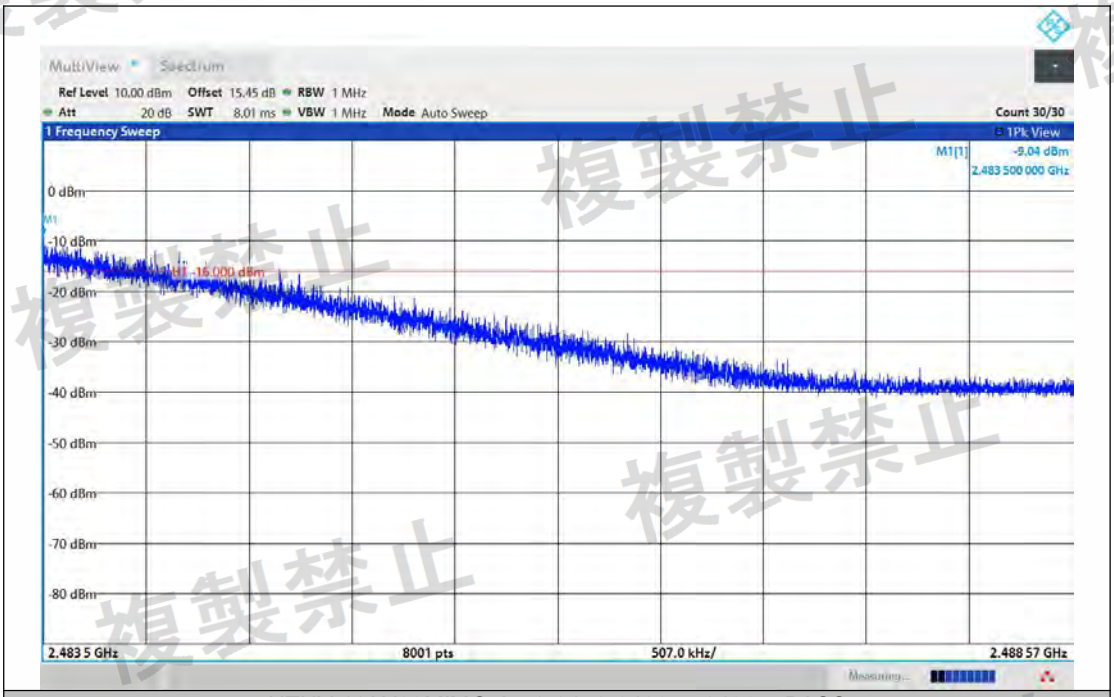
NTNV-11AX20MIMO-Ant2-2472-2483.5~2496.5-PASS



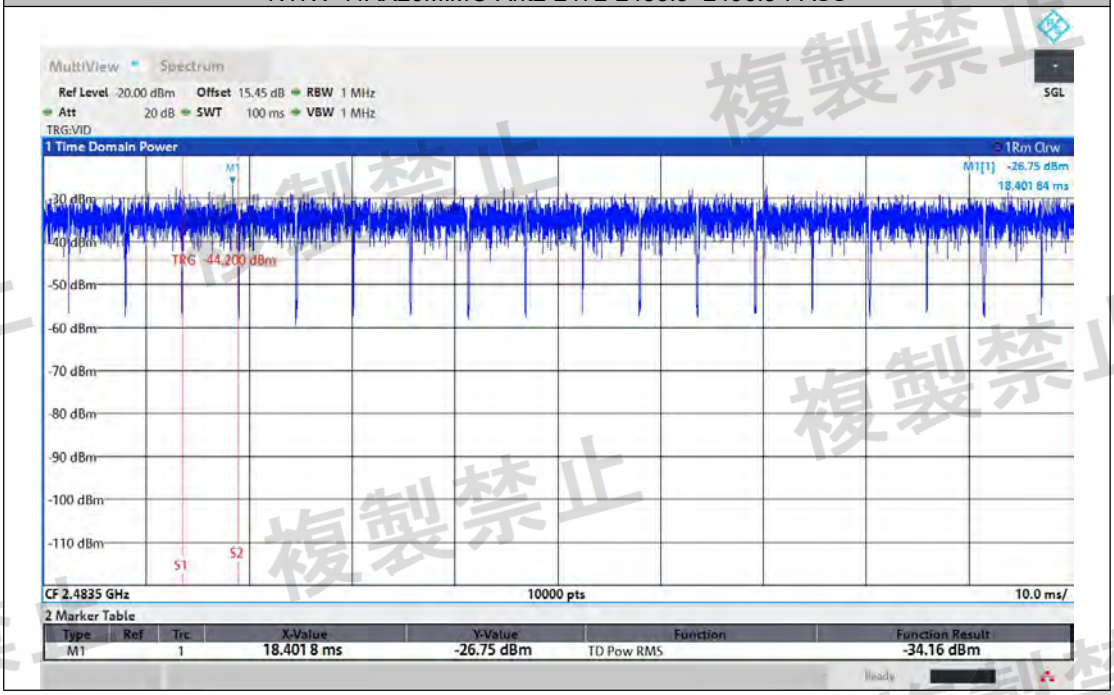


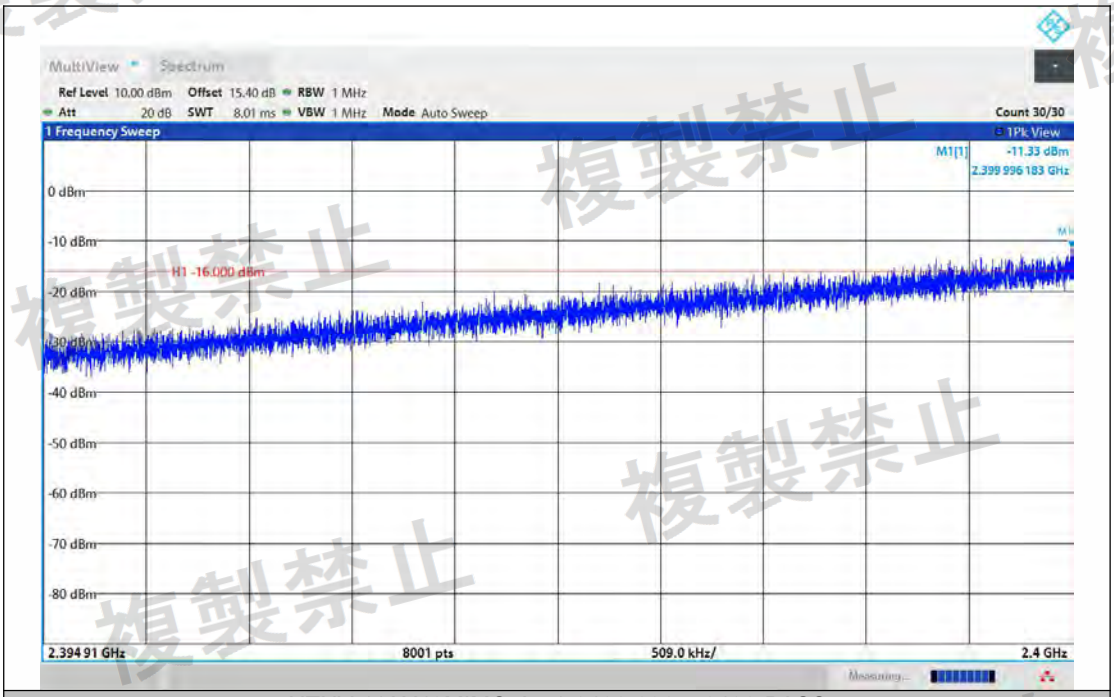
NTNV-11AX20MIMO-Ant1-2472-2483.5~2496.5-PASS



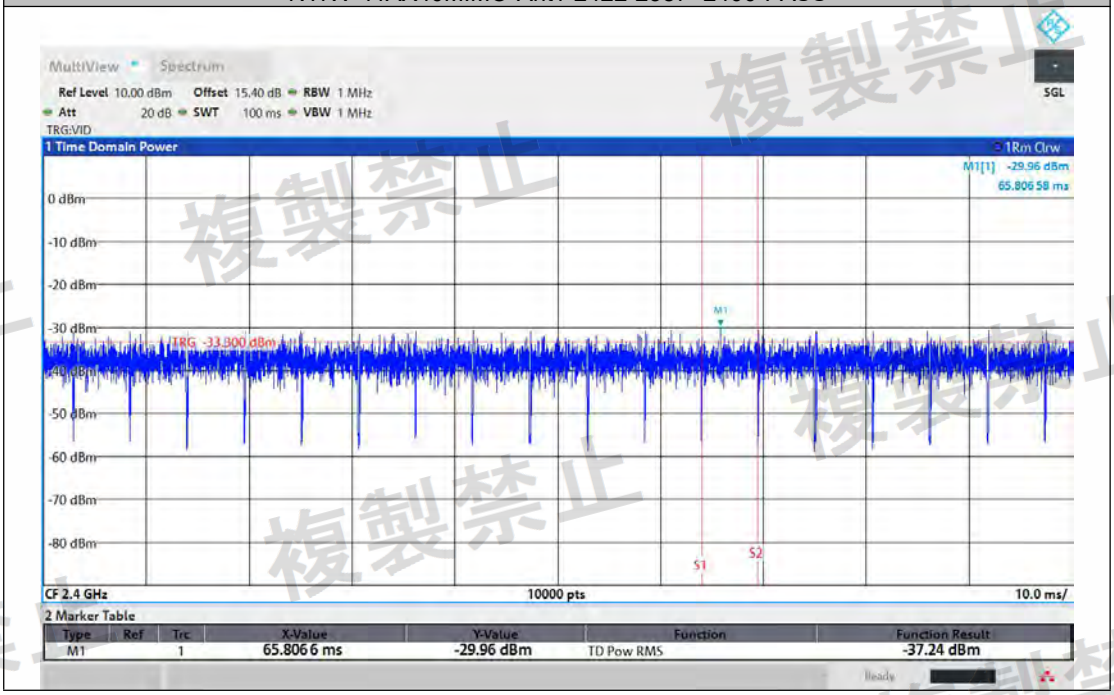


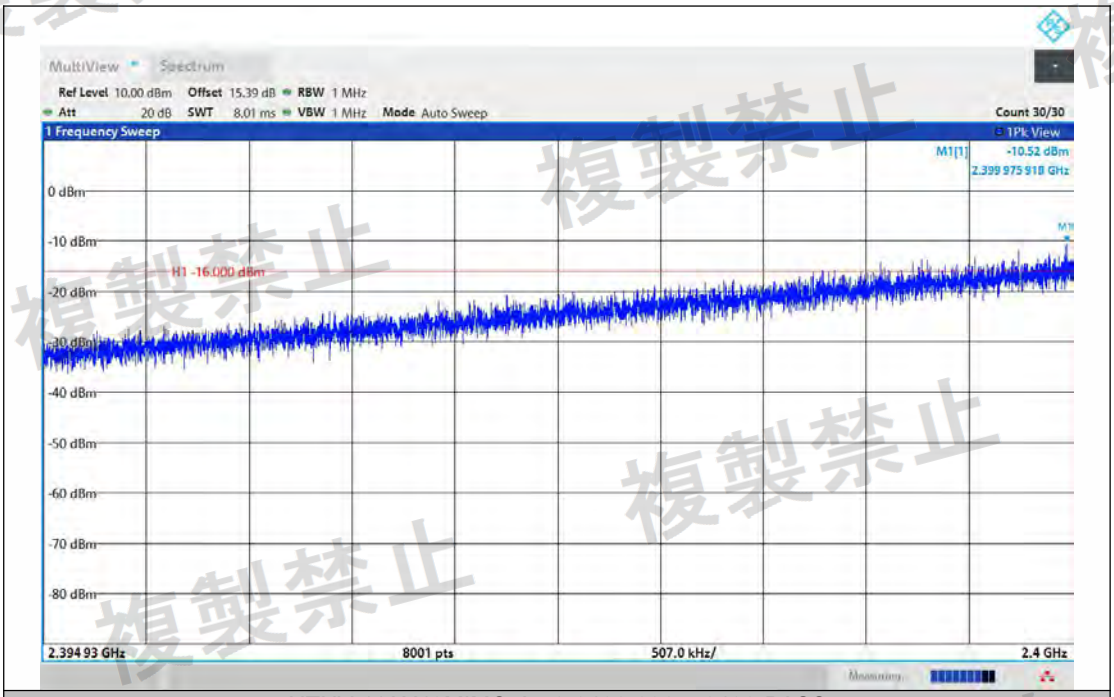
NTNV-11AX20MIMO-Ant2-2472-2483.5~2496.5-PASS



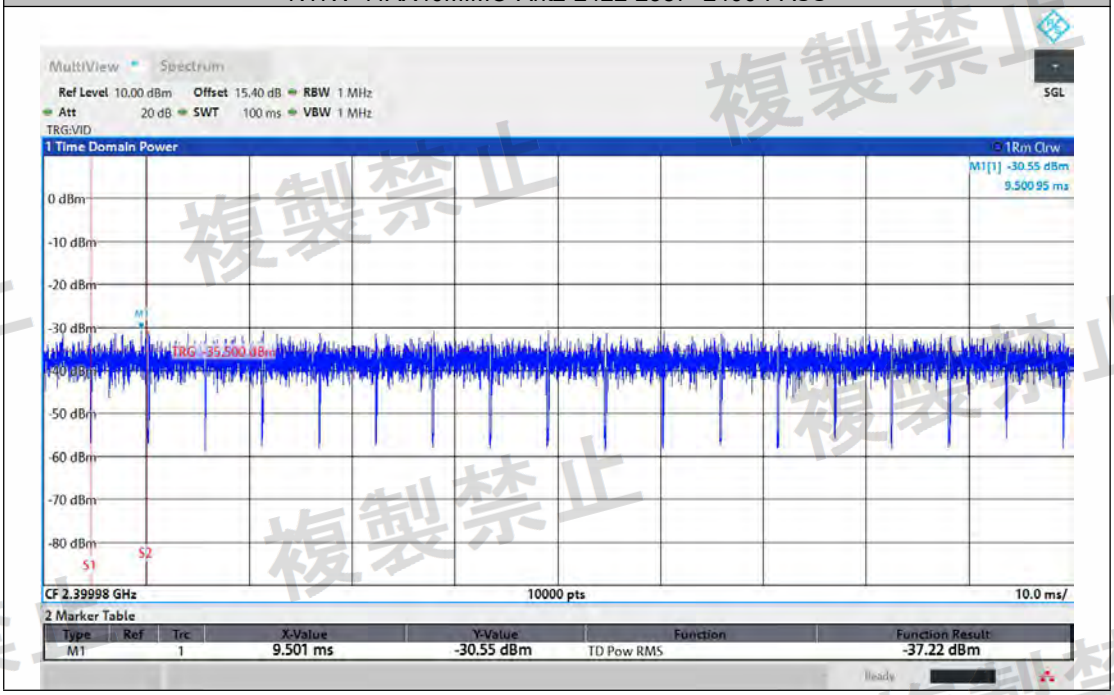


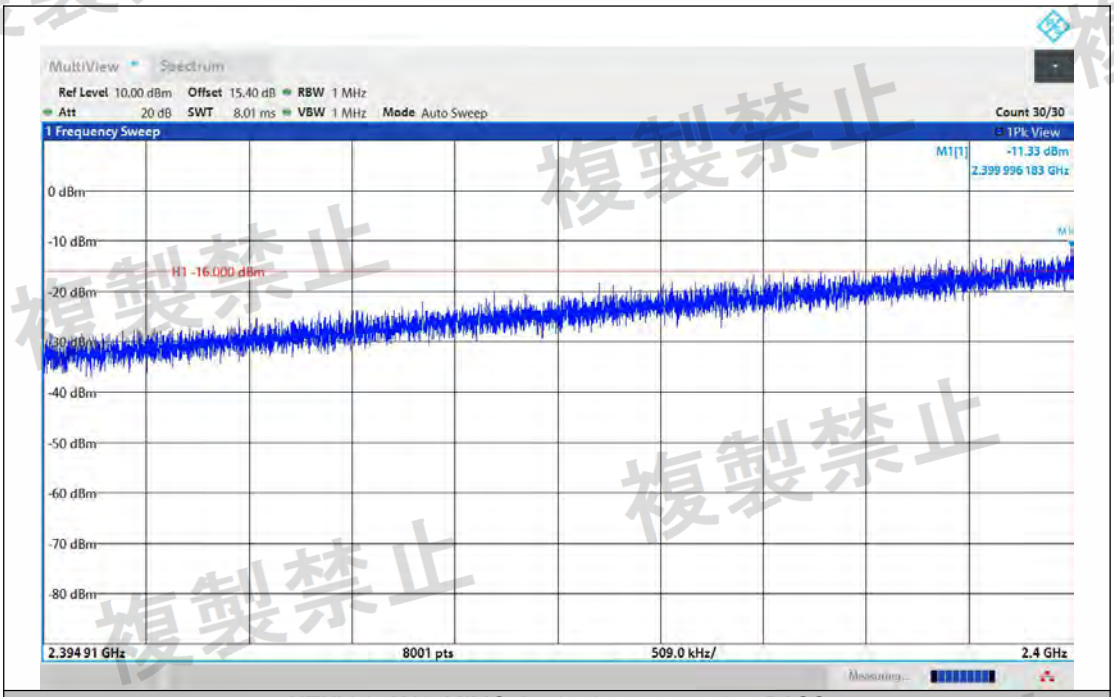
NTNV-11AX40MIMO-Ant1-2422-2387~2400-PASS



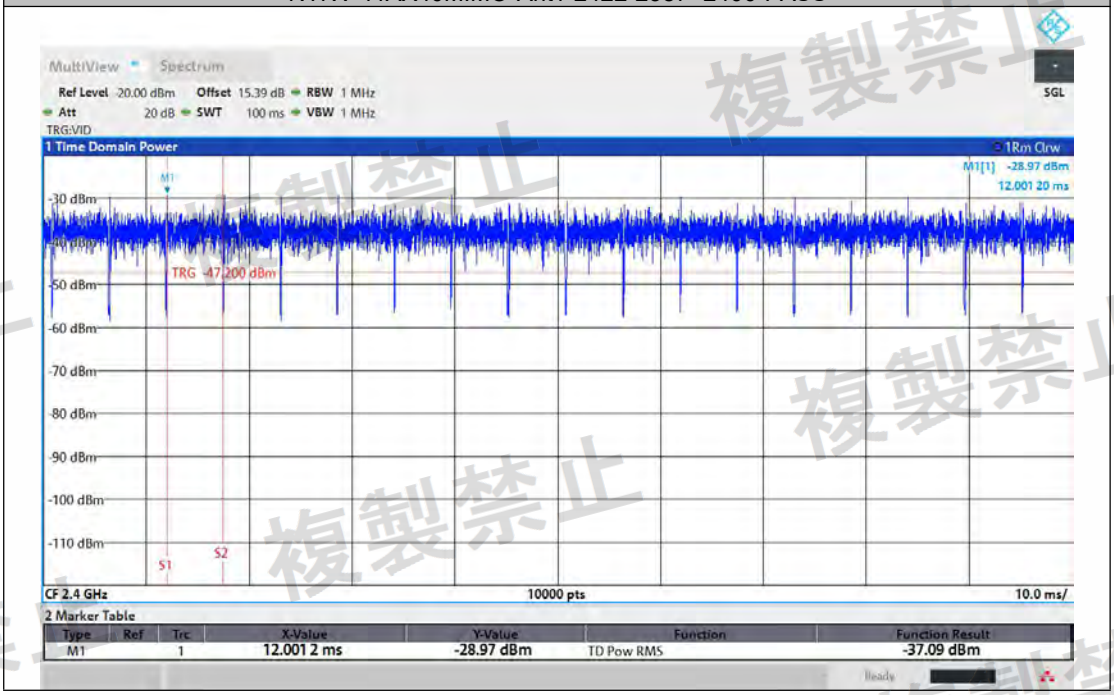


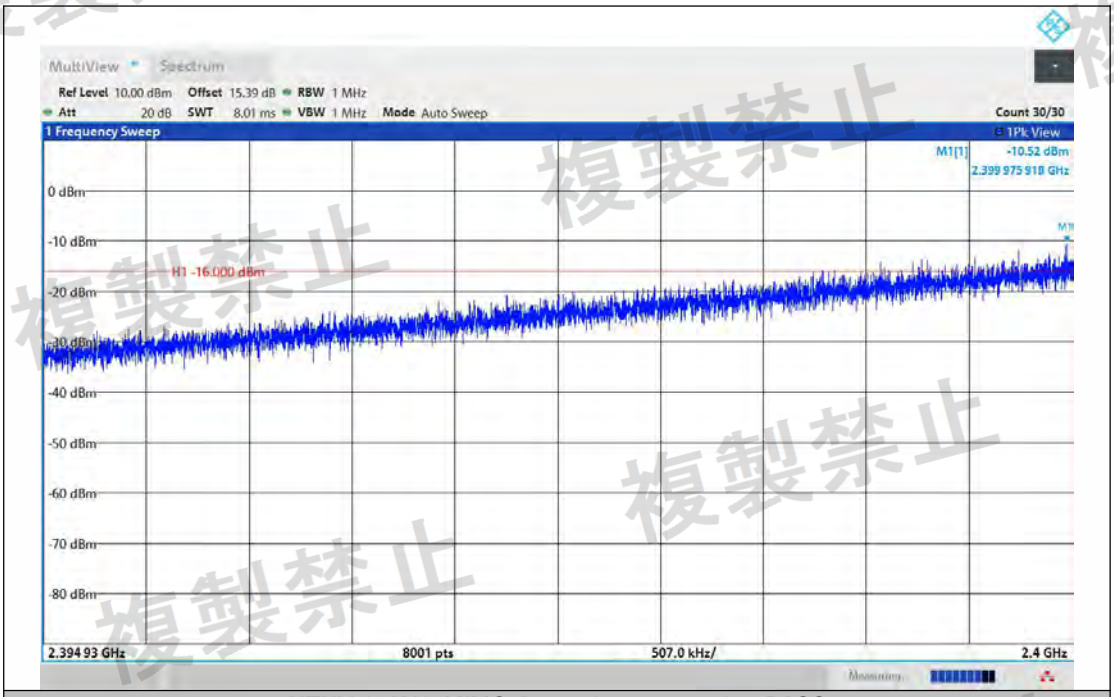
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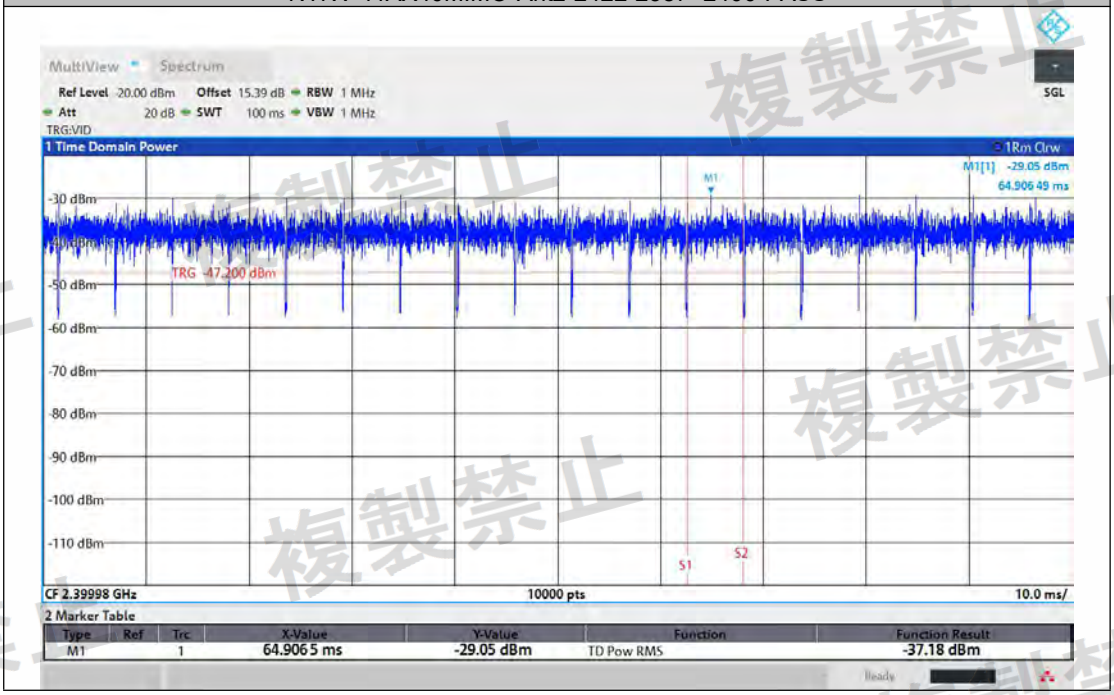


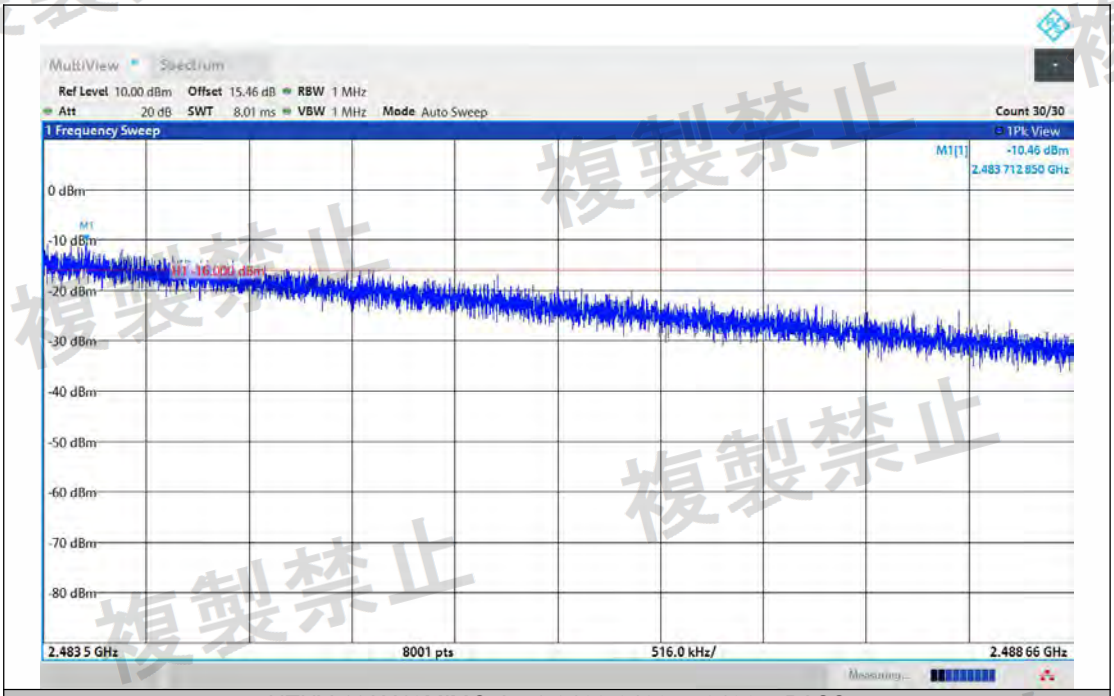
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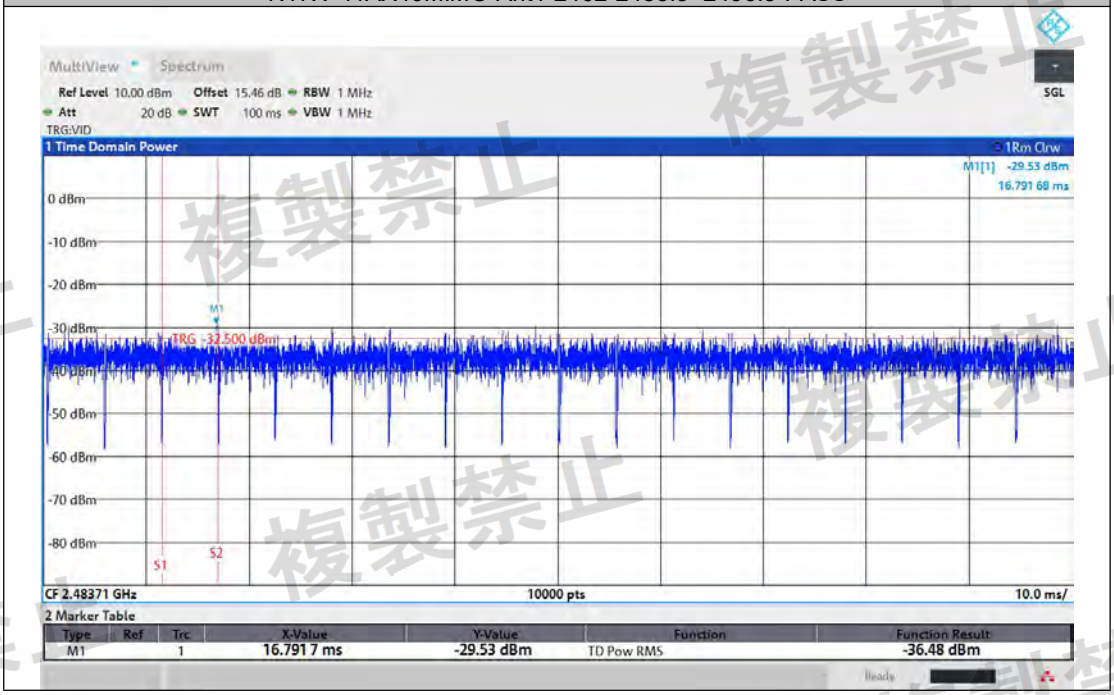


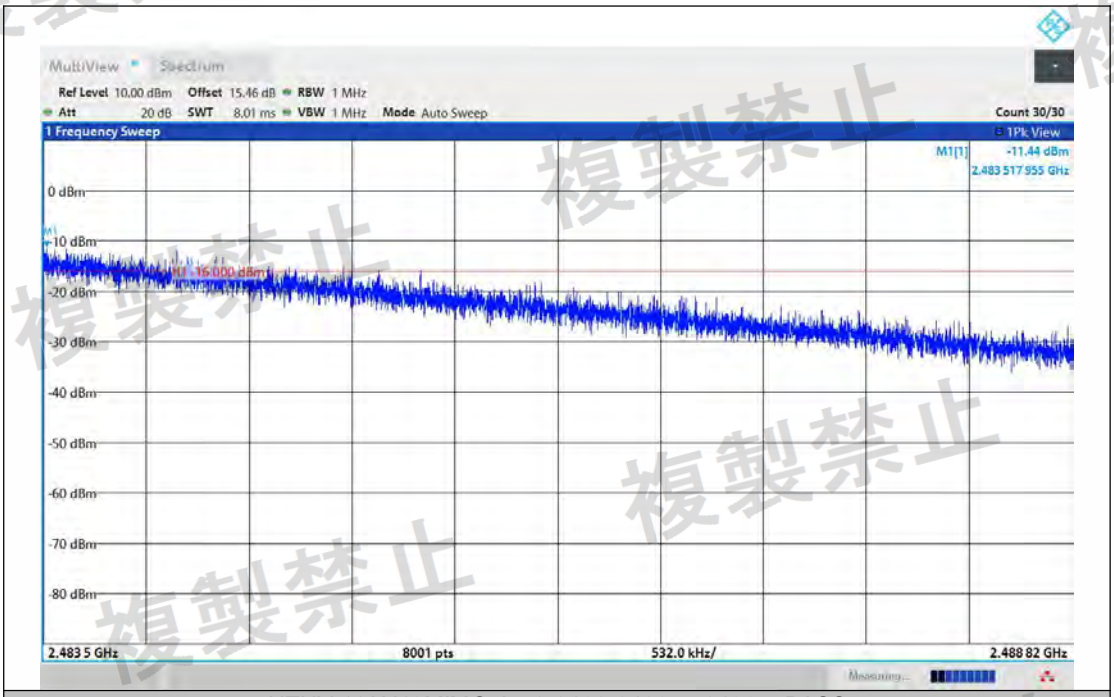
NTNV-11AX40MIMO-Ant2-2422-2387~2400-PASS



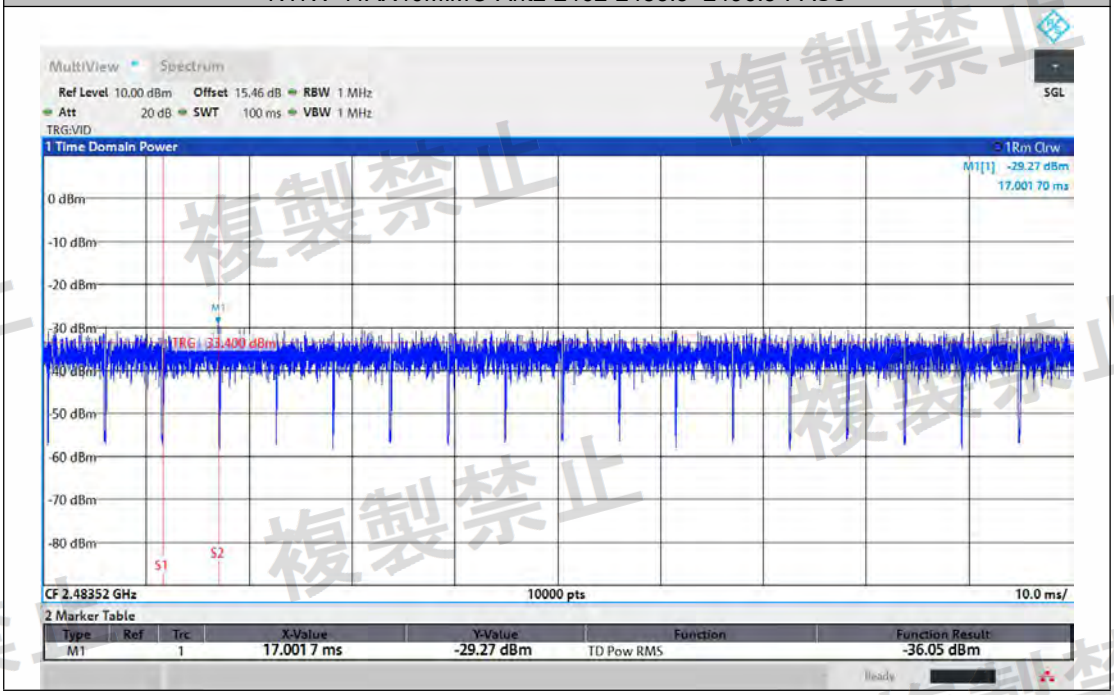


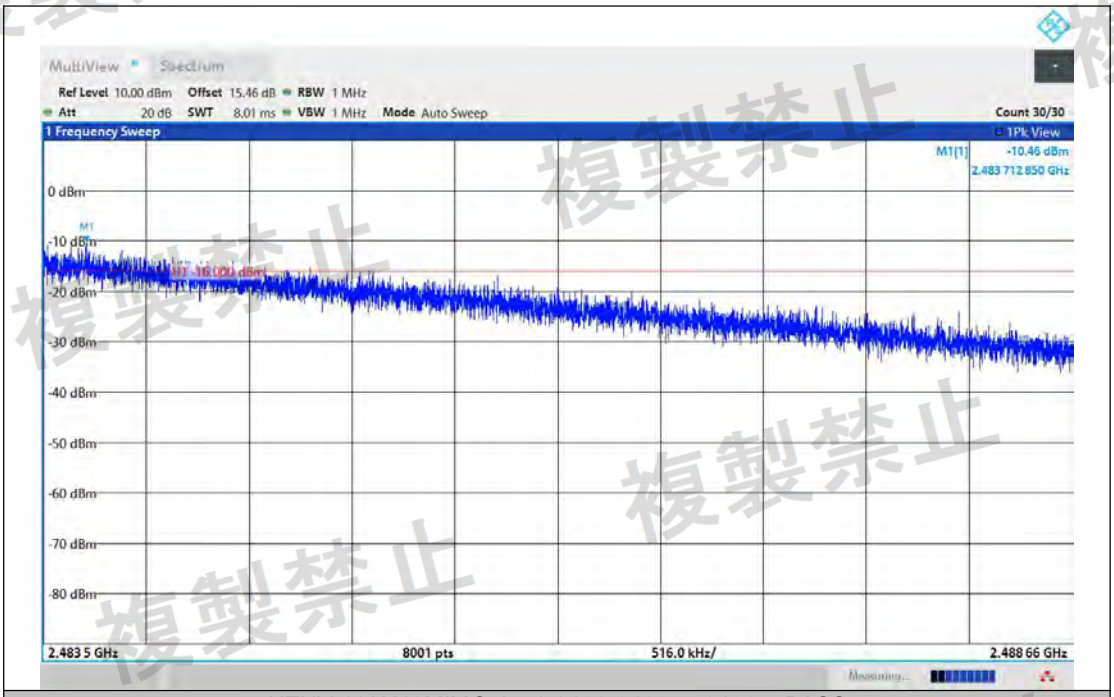
NTNV-11AX40MIMO-Ant1-2462-2483.5~2496.5-PASS



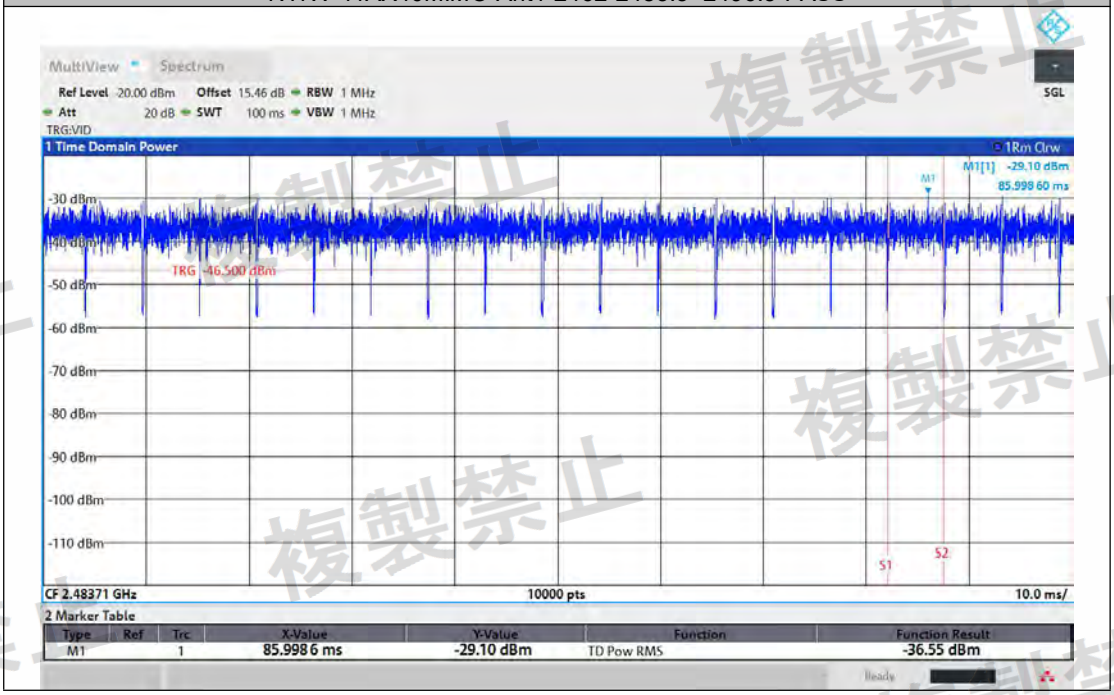


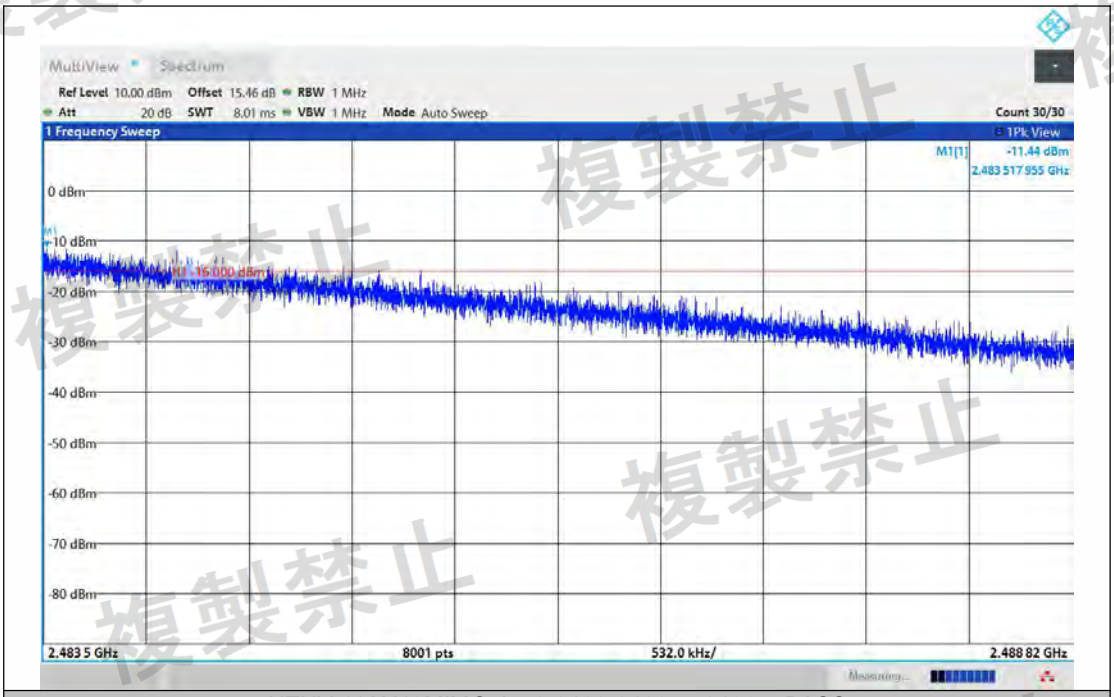
NTNV-11AX40MIMO-Ant2-2462-2483.5~2496.5-PASS



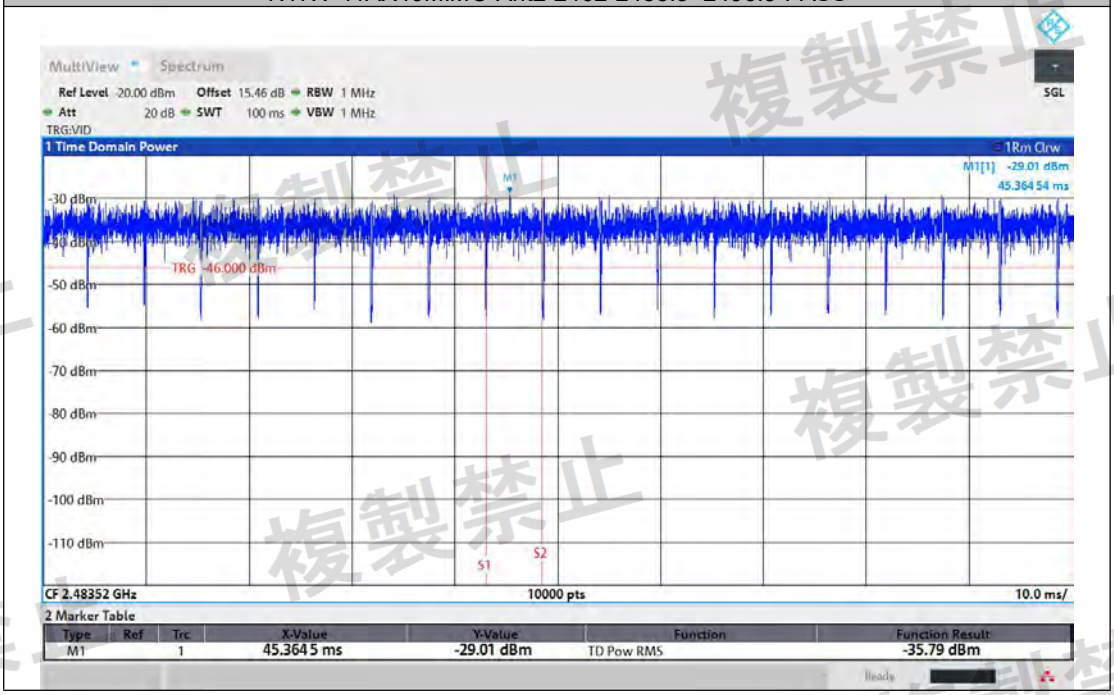


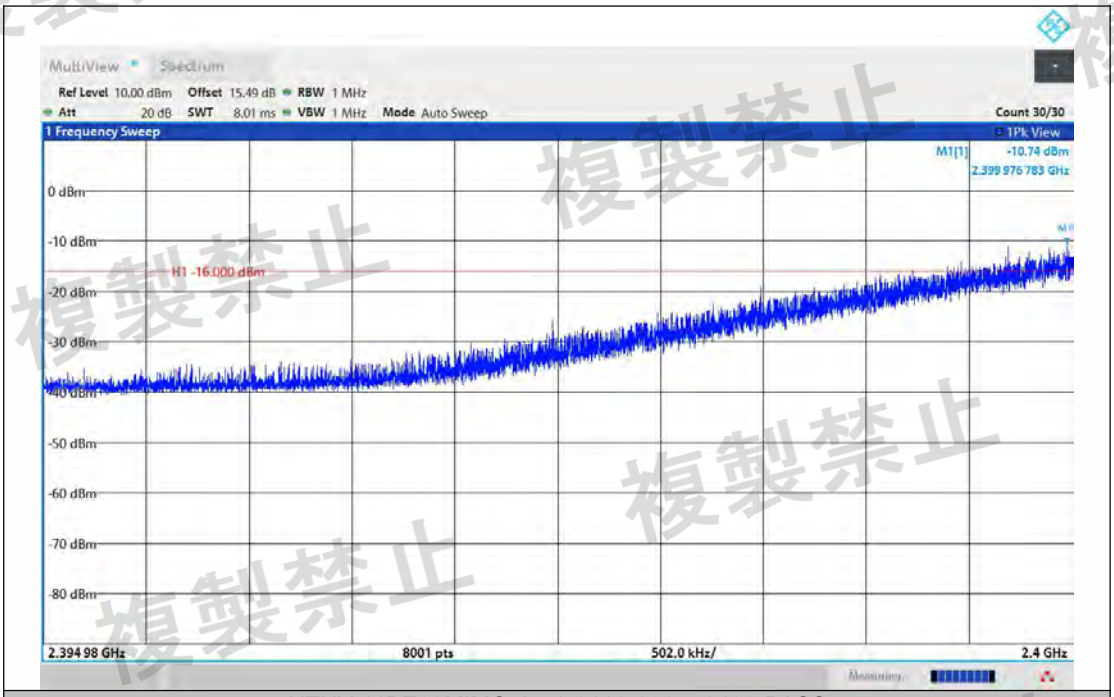
NTNV-11AX40MIMO-Ant1-2462-2483.5~2496.5-PASS



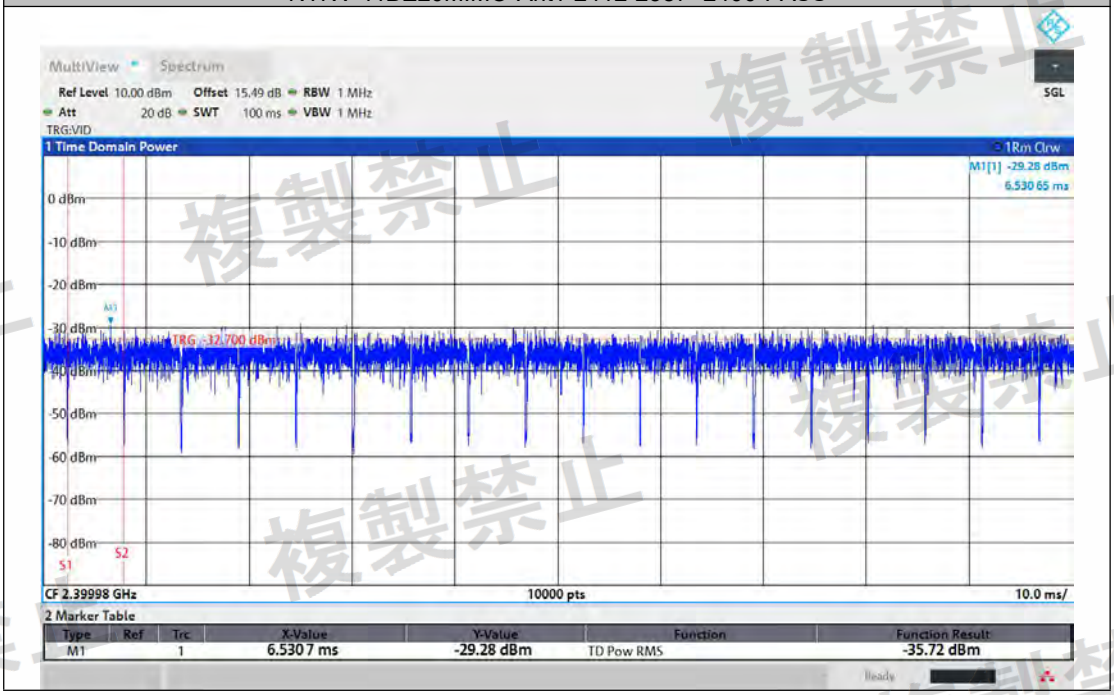


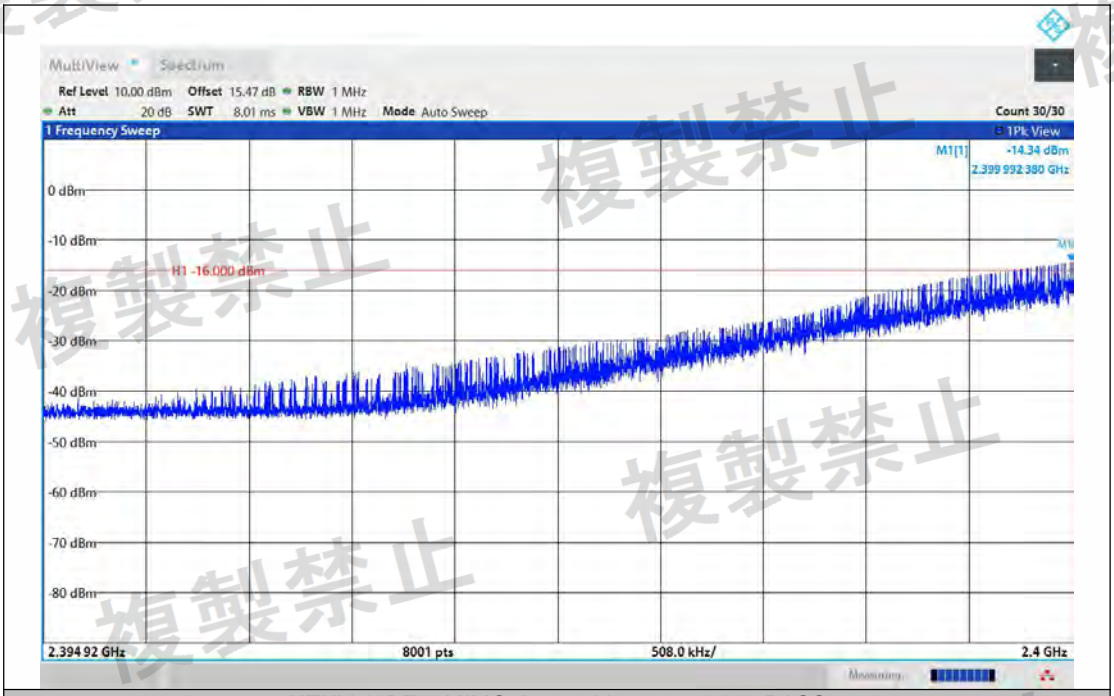
NTNV-11AX40MIMO-Ant2-2462-2483.5~2496.5-PASS



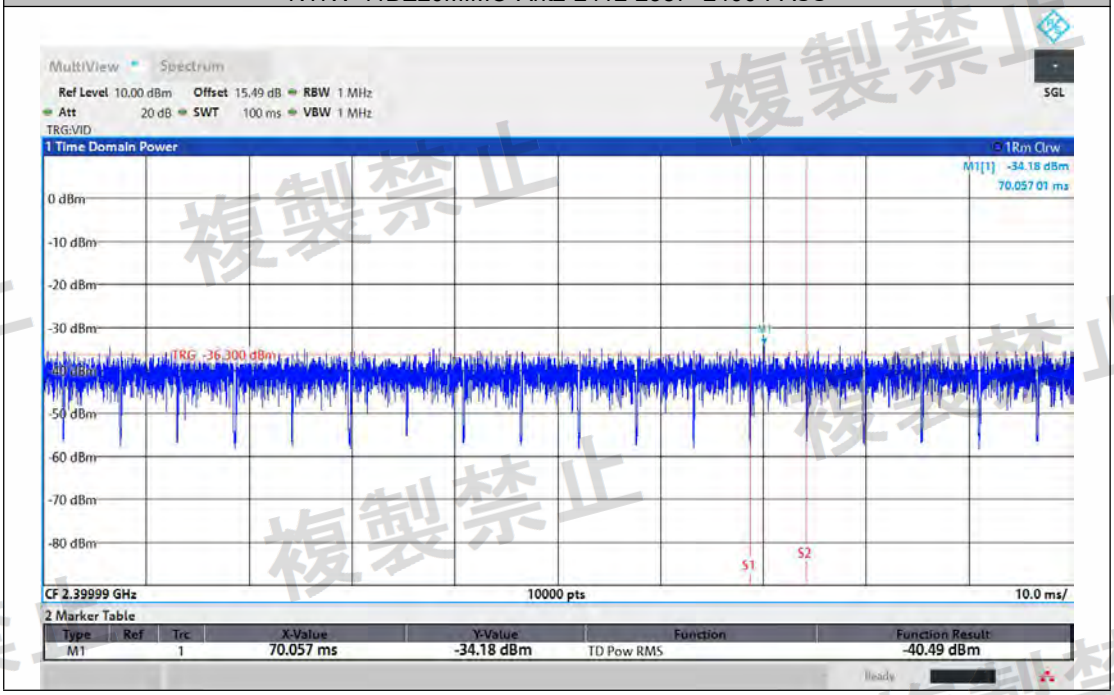


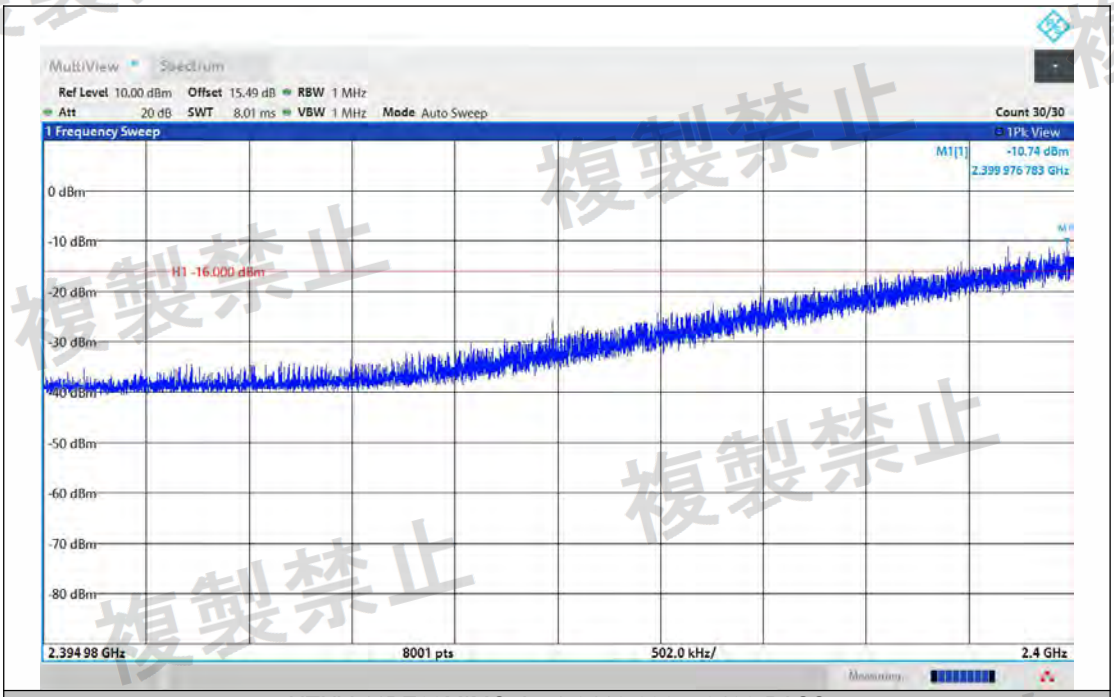
NTNV-11BE20MIMO-Ant1-2412-2387~2400-PASS



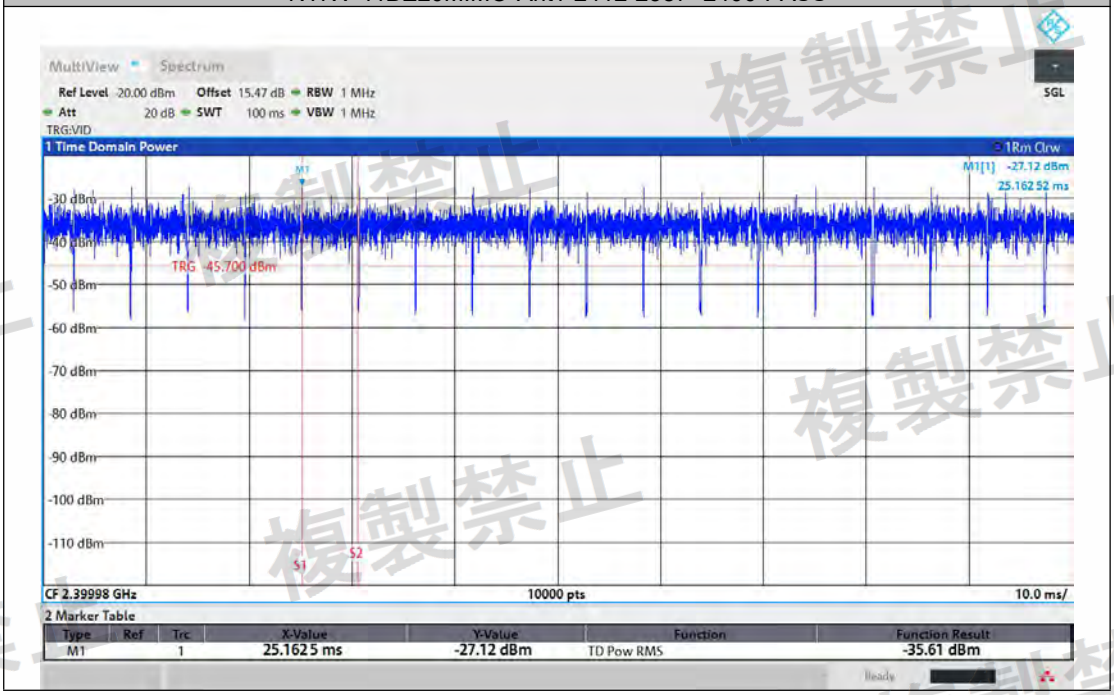


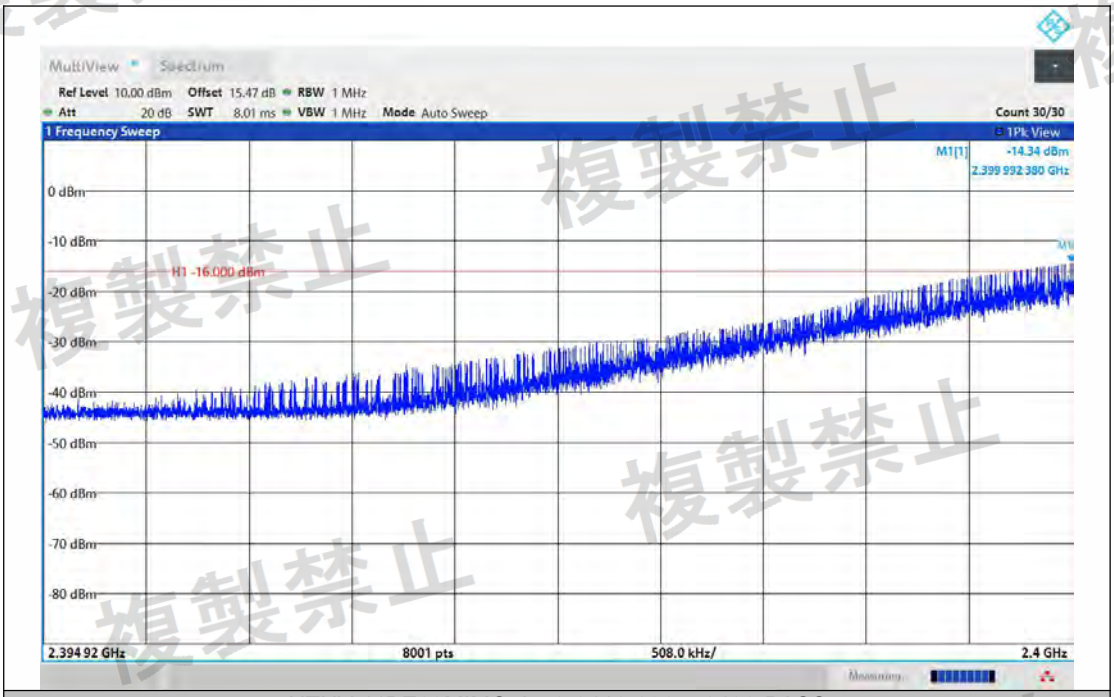
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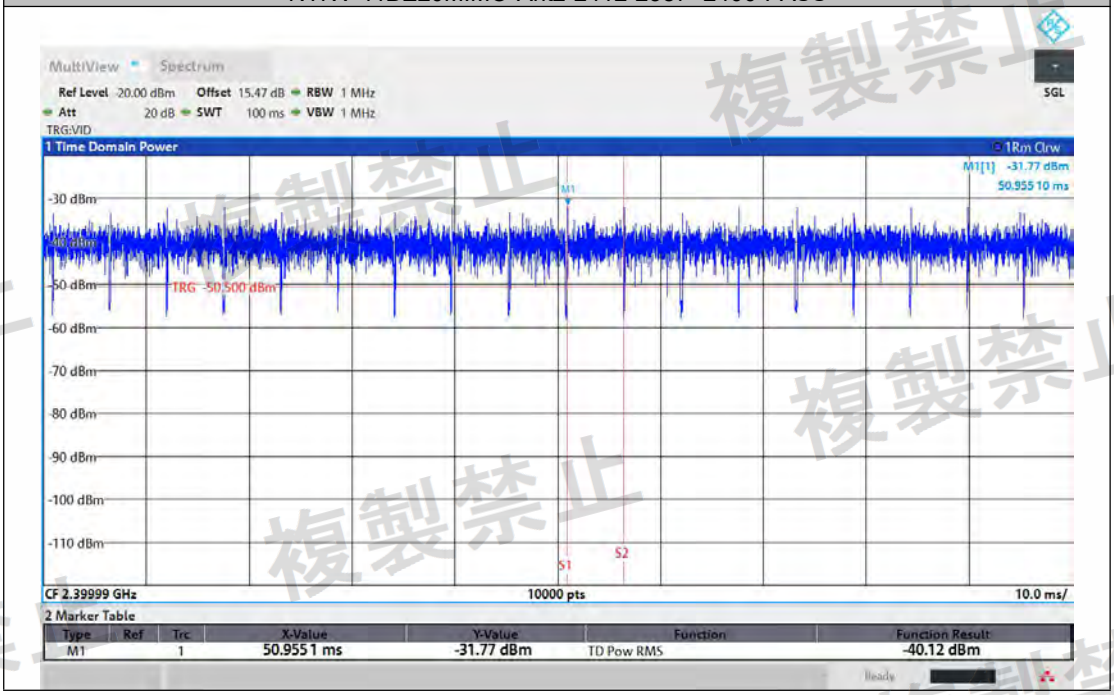


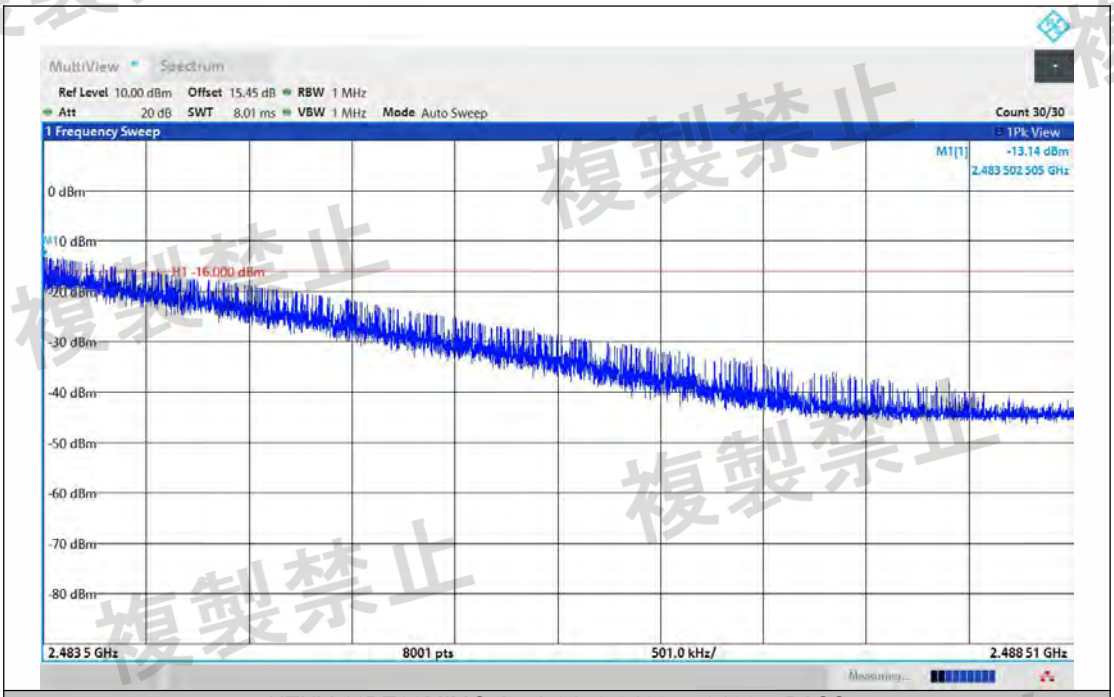
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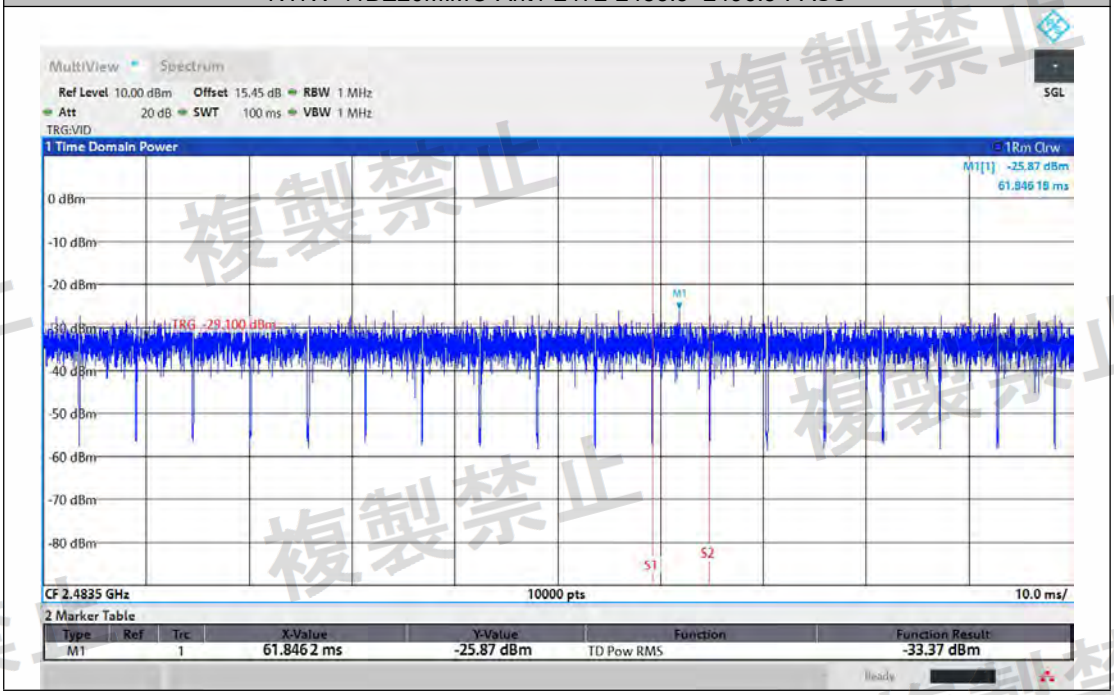


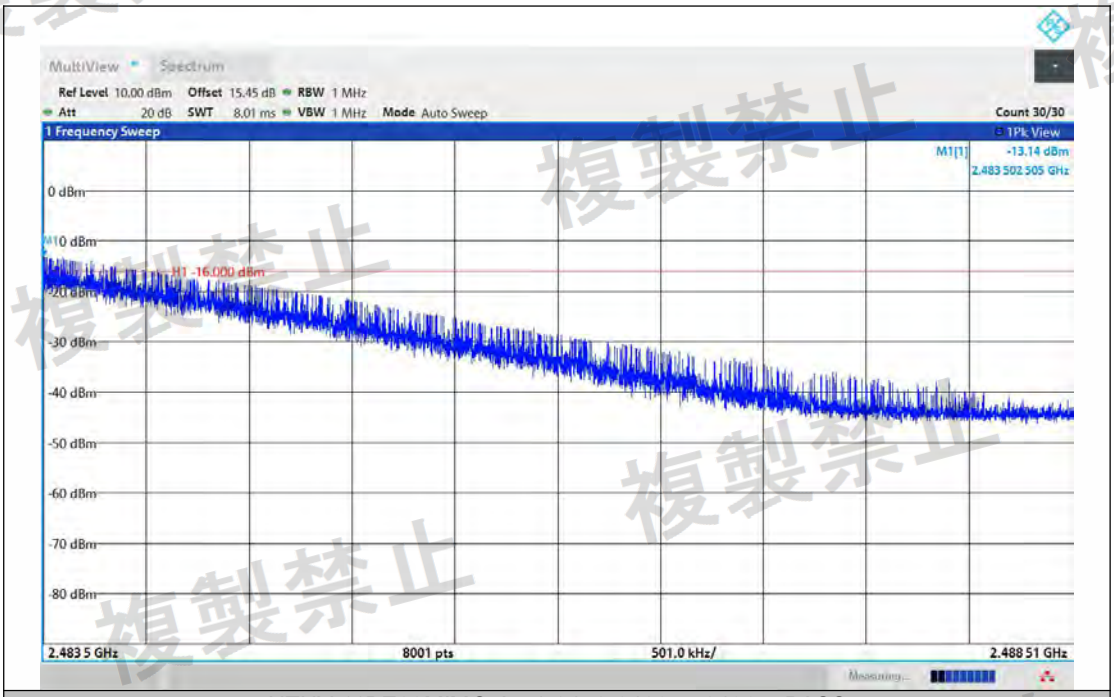
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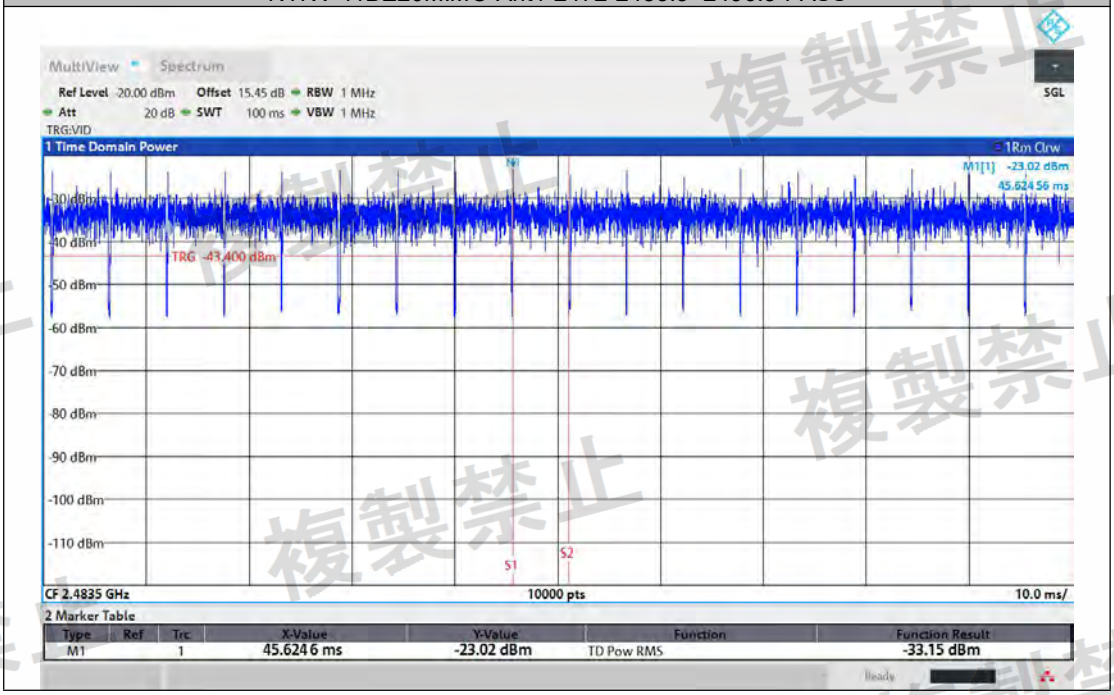


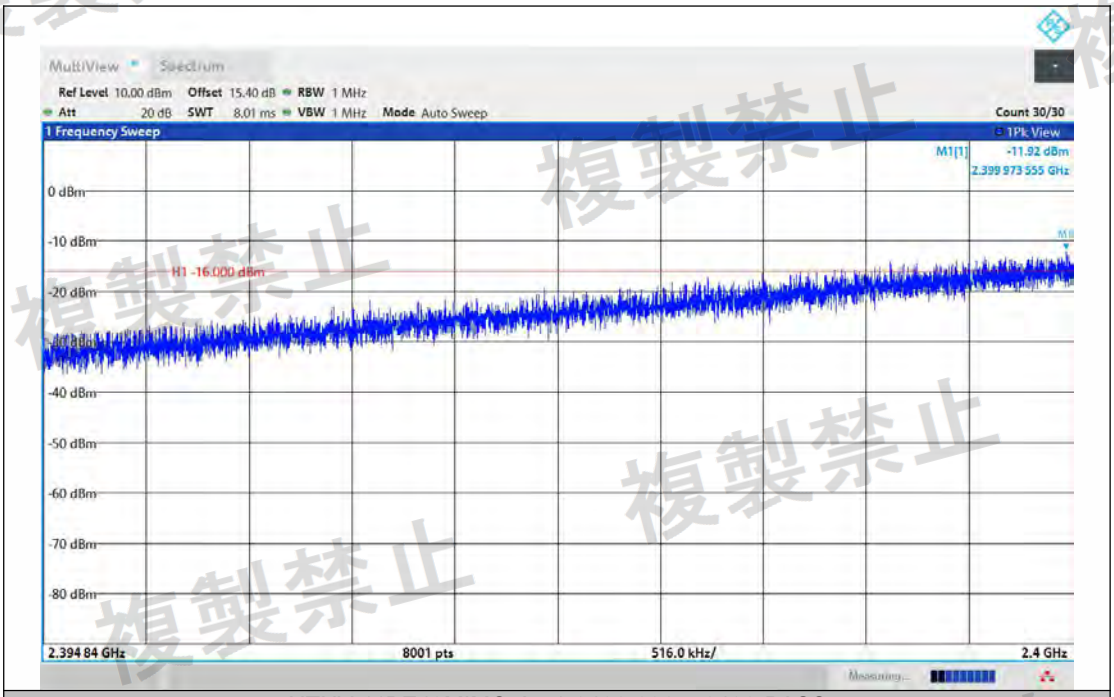
NTNV-11BE20MIMO-Ant1-2472-2483.5~2496.5-PASS



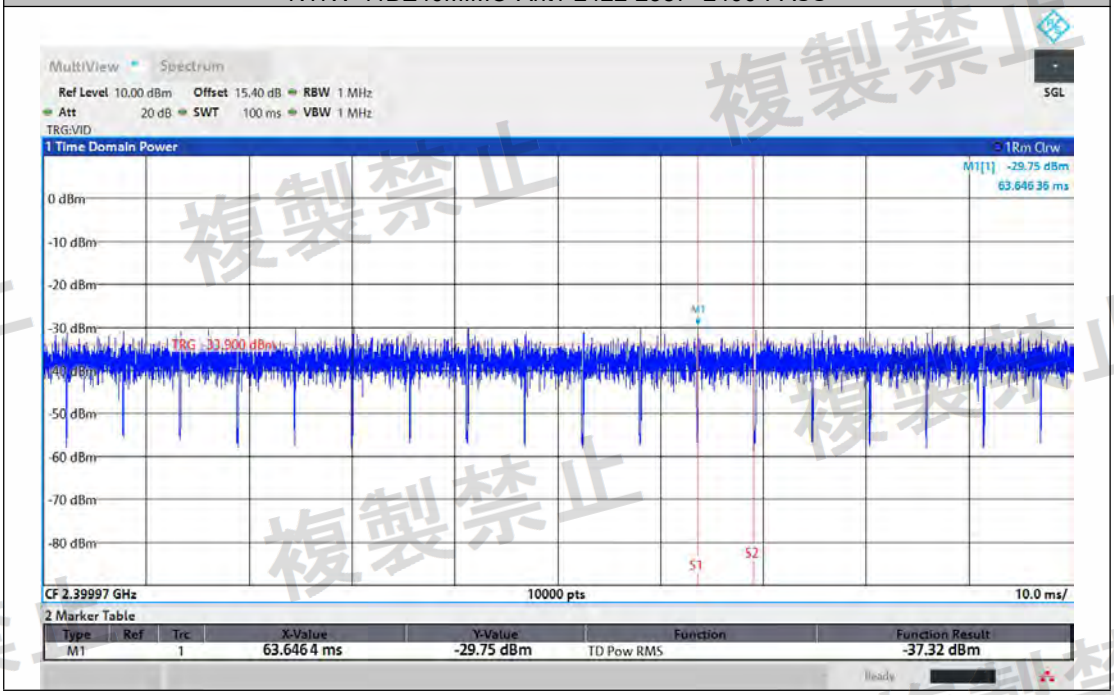


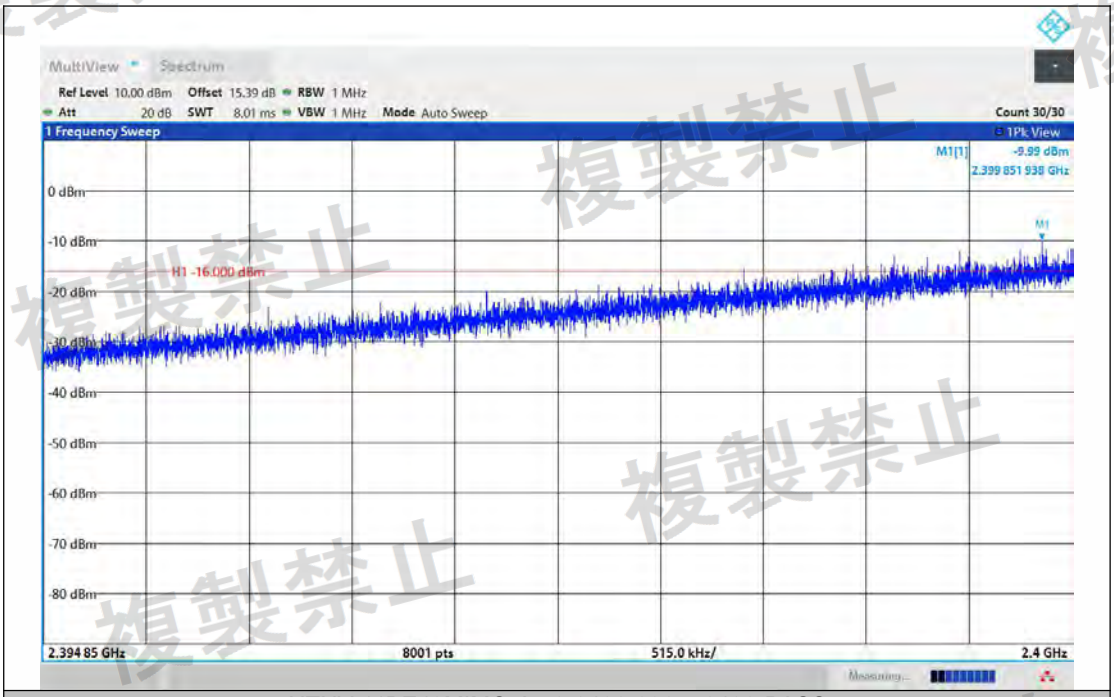
NTNV-11BE20MIMO-Ant1-2472-2483.5~2496.5-PASS



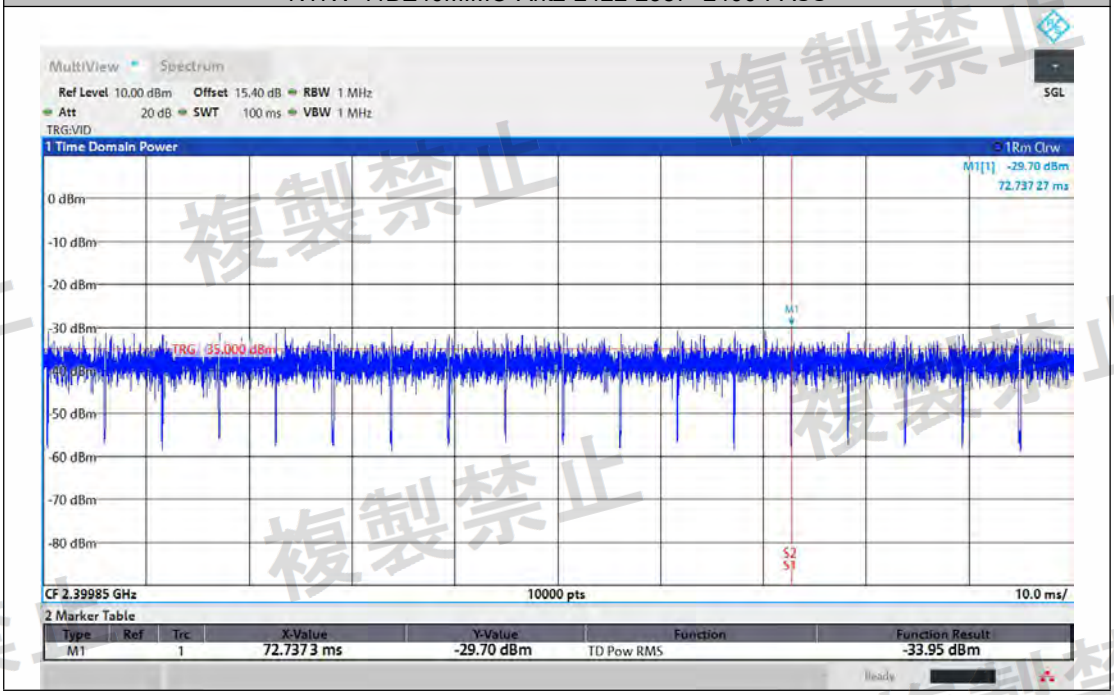


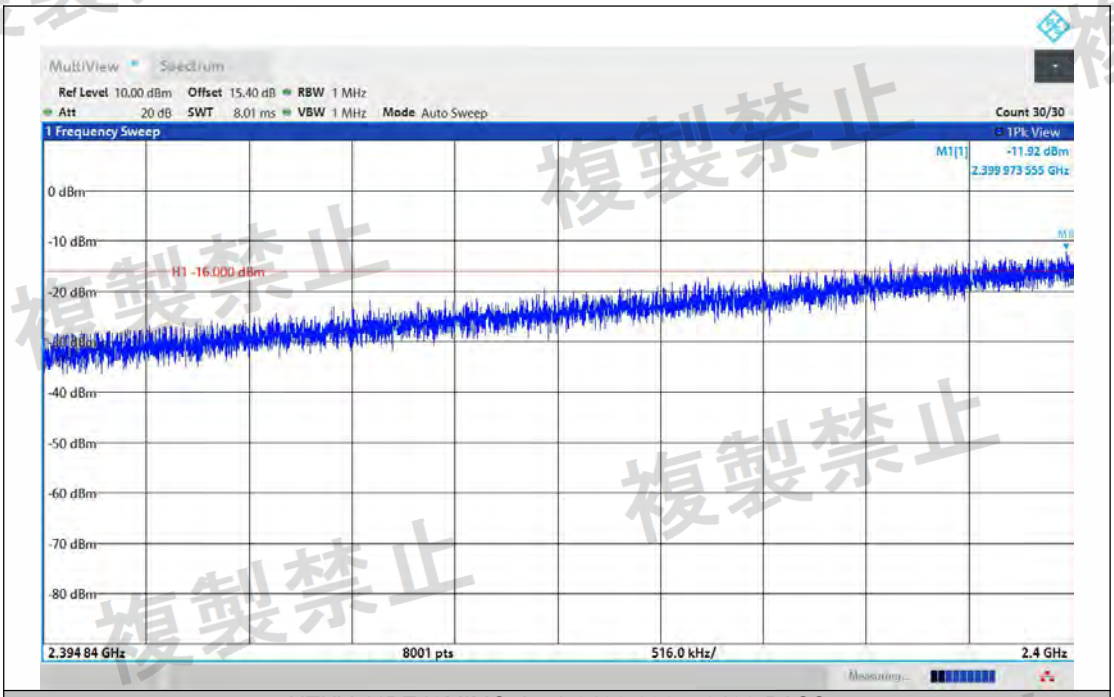
NTNV-11BE40MIMO-Ant1-2422-2387~2400-PASS



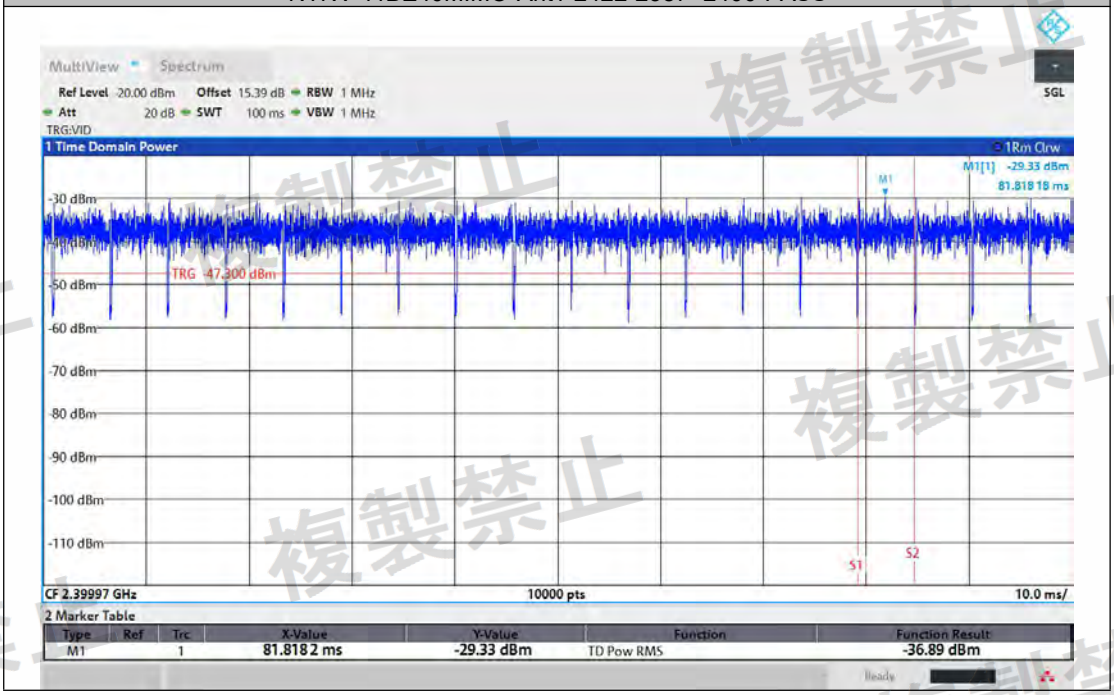


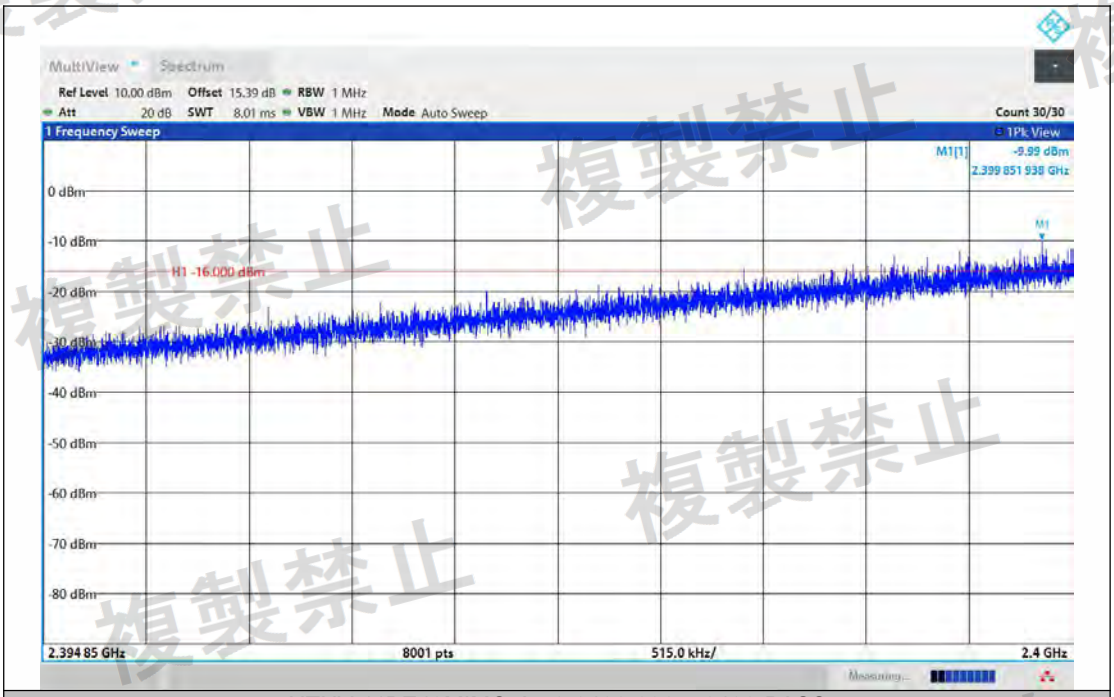
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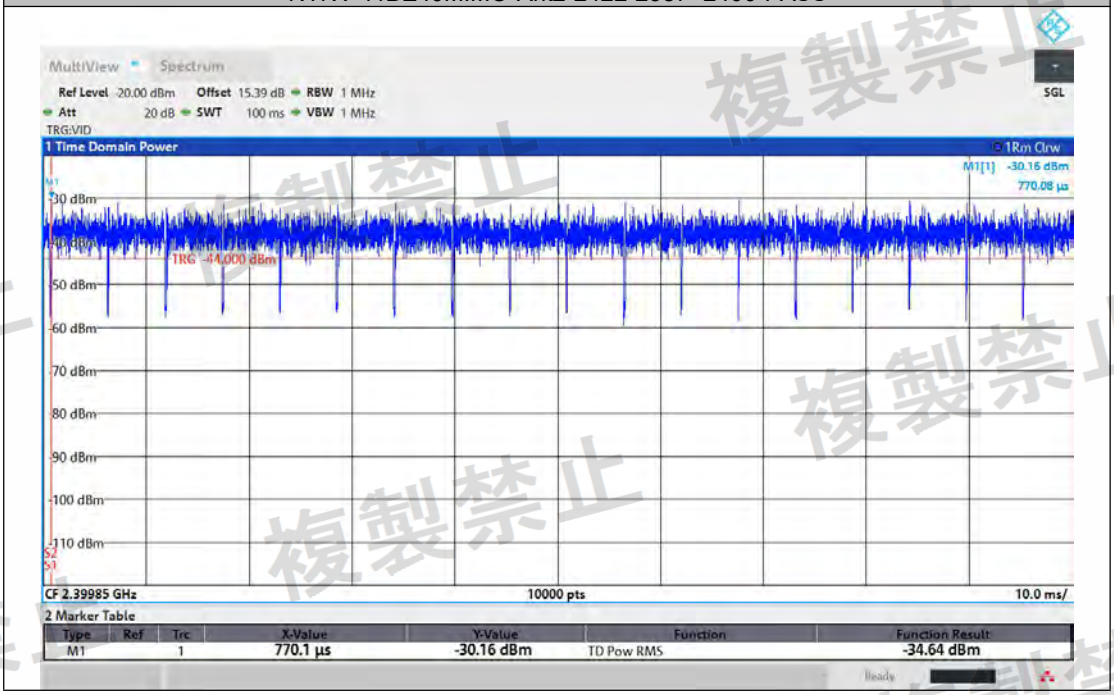


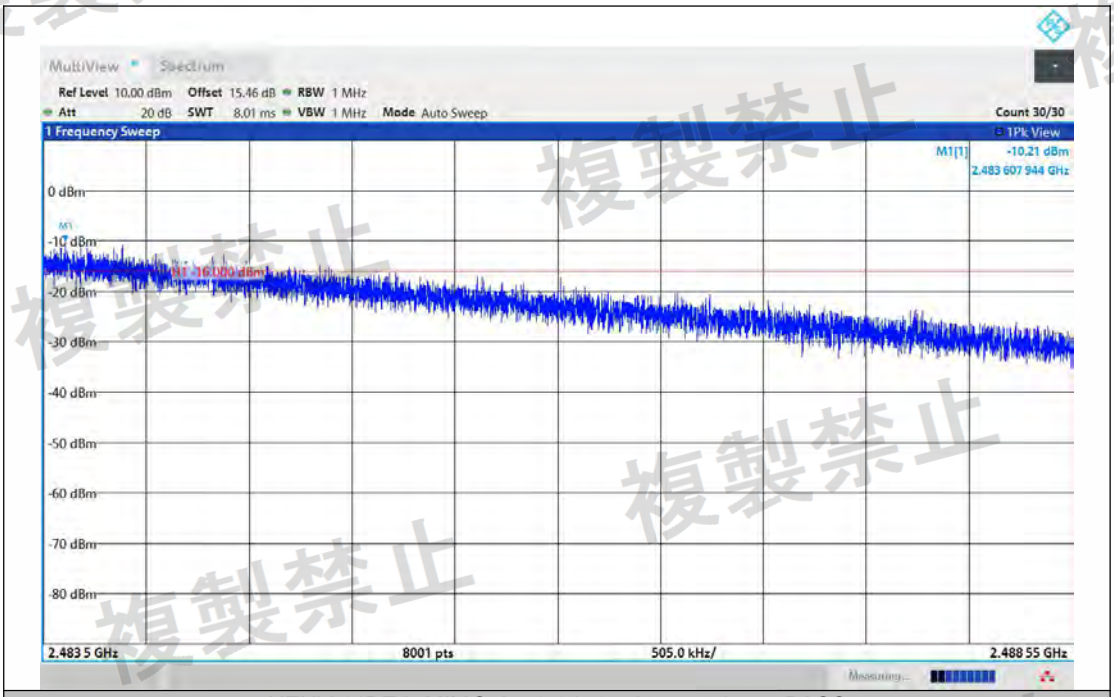
NTNV-11BE40MIMO-Ant1-2422-2387~2400-PASS



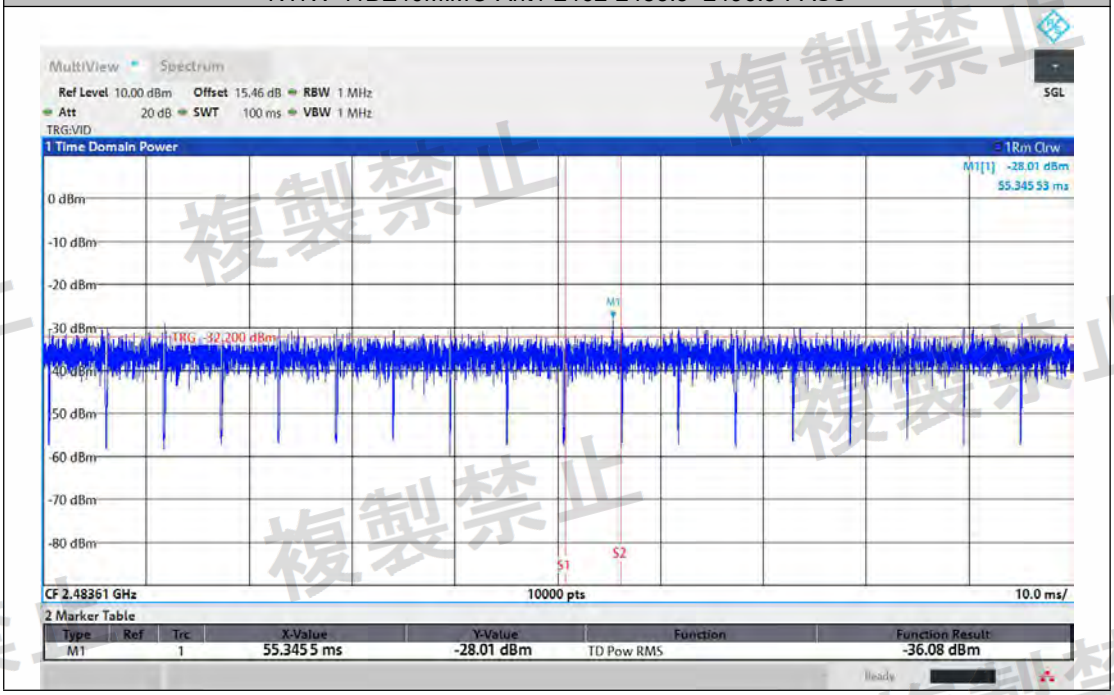


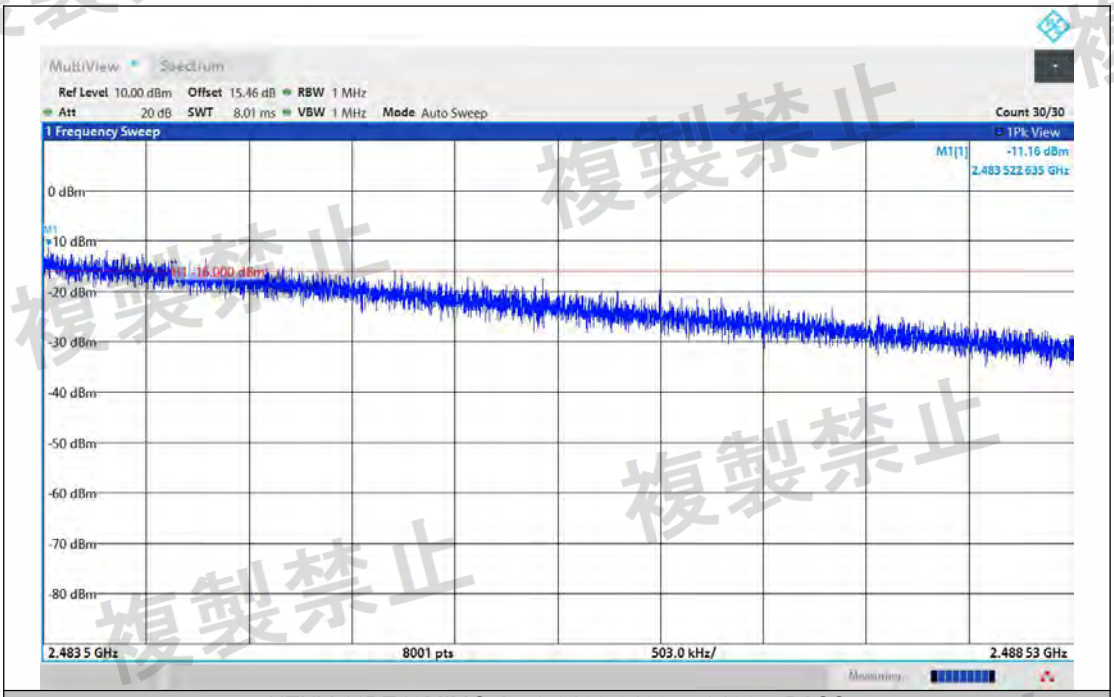
NTNV-11BE40MIMO-Ant2-2422-2387~2400-PASS



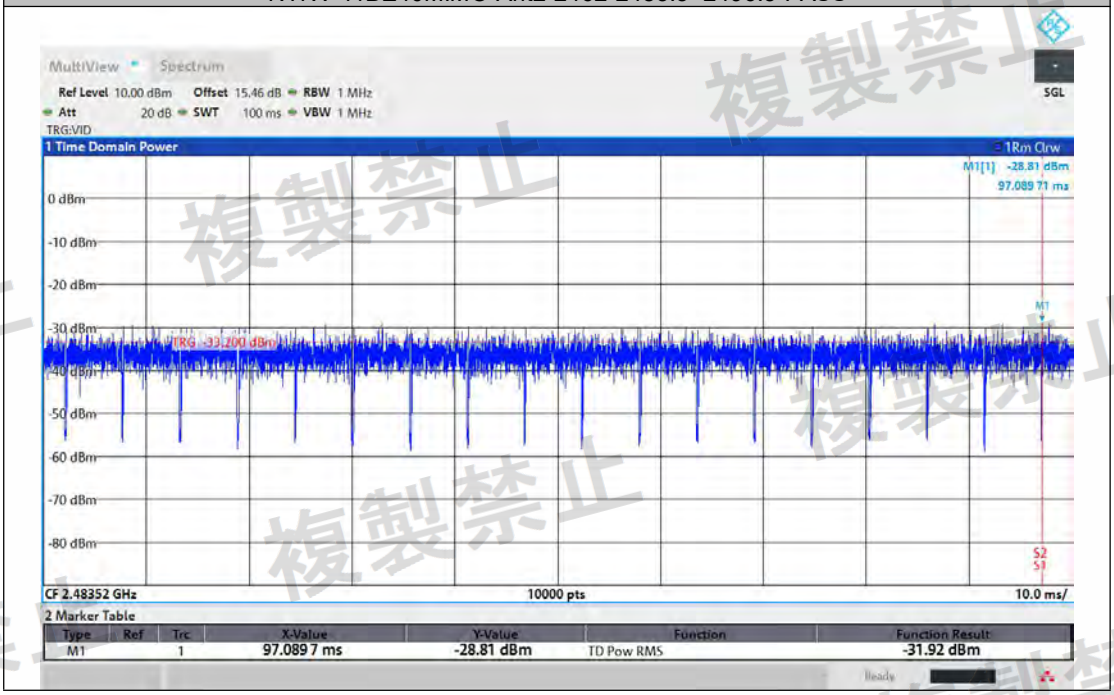


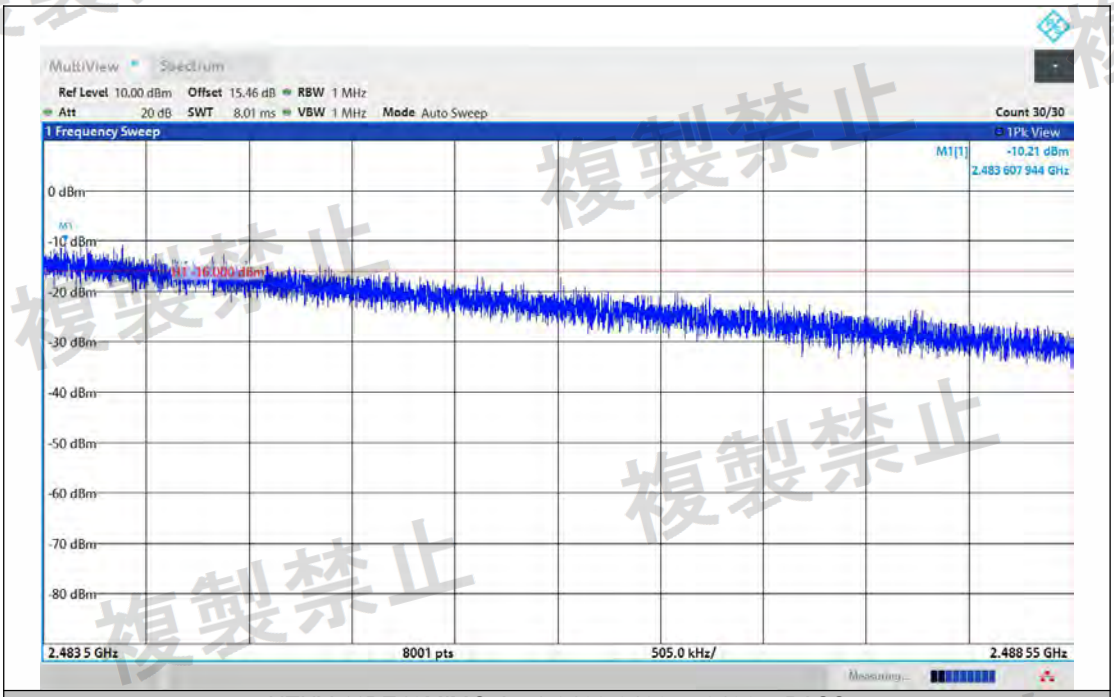
NTNV-11BE40MIMO-Ant1-2462-2483.5~2496.5-PASS



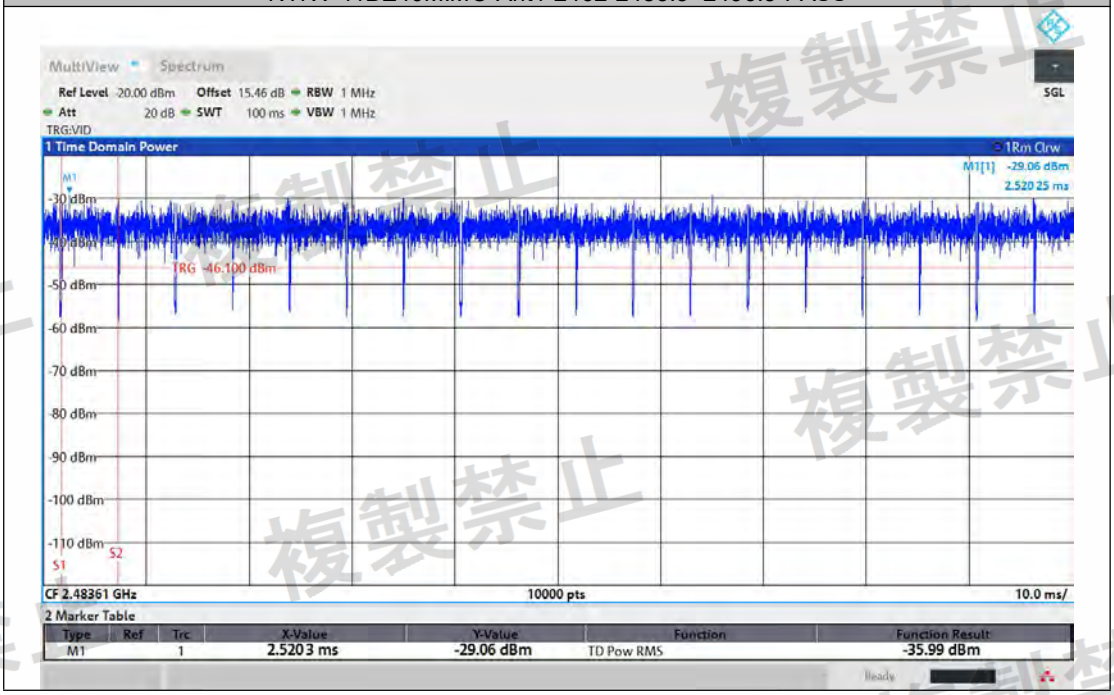


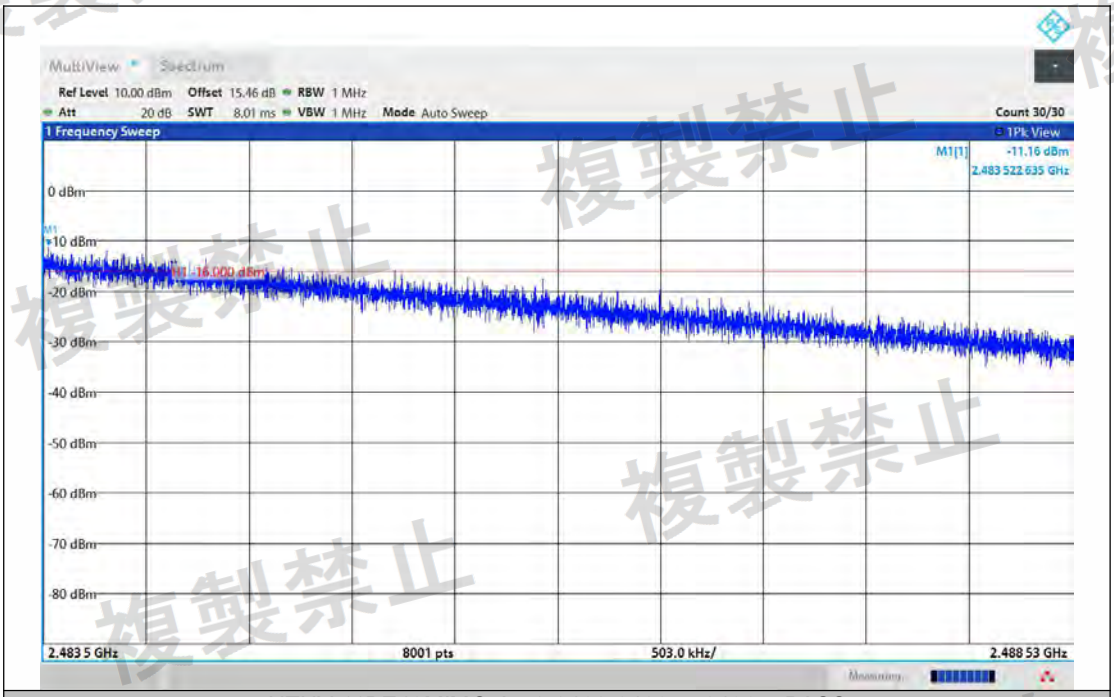
NTNV-11BE40MIMO-Ant2-2462-2483.5~2496.5-PASS



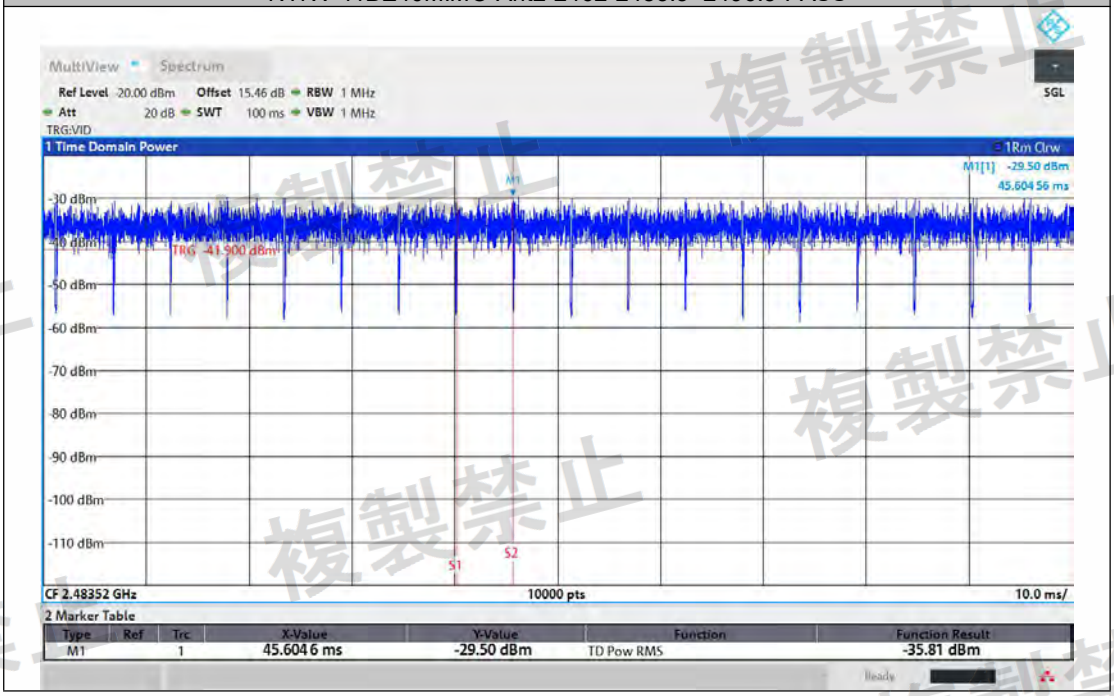


NTNV-11BE40MIMO-Ant1-2462-2483.5~2496.5-PASS





NTNV-11BE40MIMO-Ant2-2462-2483.5~2496.5-PASS



7.5 Spurious Emissions of Rx

7.5.1 Applicable Standard

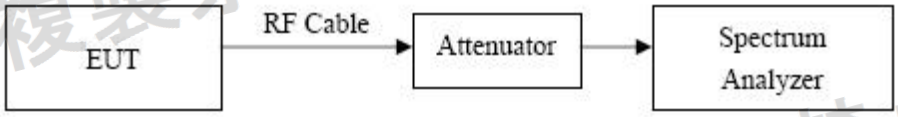
According to Item 19 of Article 2 Paragraph 1.

7.5.2 Conformance Limit

The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4nW (-54dBm) or less at a frequency below 1 GHz and 20 nW(-47dBm) or less at a frequency of 1 GHz or higher as measured using the circuit.

a. 30 MHz - 1000 MHz	4 nW (-54dBm) or less
b. 1GHz – 12.5 GHz	20 nW(-47dBm) or less

7.5.3 Test Setup Block Diagram



7.5.4 Test Procedure

Set the EUT so that the test frequency is can be measured receipt consecutively all the time.
(1) Set the attenuation value of the dummy load lowest as possible, due to low level of the measured object.
(2) Set Spectrum analyzer for seeking the collateral emission is set as below.

Sweeping Bandwidth	30MHz to 5 times of carrier frequency
Resolution Bandwidth	In case of frequency lower than 1 GHz, 100 kHz In case of frequency higher than 1 MHz
Video Bandwidth	Same level as the resolution bandwidth
Sweep Time	Minimum time to assure the measurement accuracy
Y-Axis Scale	10 dB/Div
Sweep Mode	Single sweep
Phase-Detection Mode	Positive peak

(3) Spectrum analyzer for measuring the collateral emission is set as below.

Central Frequency	Collateral emission frequency
Sweeping Bandwidth	0 Hz
Resolution Bandwidth	In case of frequency lower than 1 GHz, 100 kHz In case of frequency higher than 1 MHz
Video Bandwidth	Same level as the resolution bandwidth
Sweep Mode	Single sweep
Detection Mode	Sample

Set the spectrum analyzer as (2), seek the maximum amplitude of the collateral emission.
In case of sought result lower than 1/10 limit value, employ the sought value as the measured value.
In case the sought value exceeds 1/10 limit value, seek the collateral emission frequency by narrowing the sweeping band sequentially to 1/10 for the purpose of higher accuracy of the spectrum analyzer. Set the spectrum analyzer as (3).

7.5.5 Environmental Conditions

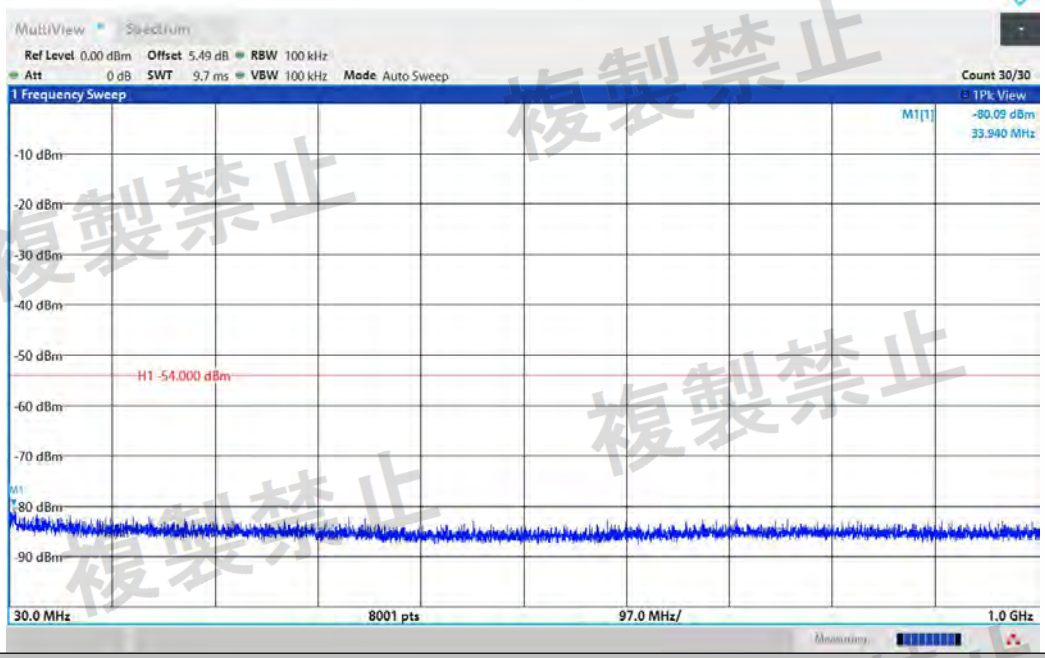
Temperature:	24.5°C
Relative Humidity:	45%
ATM Pressure:	1011 mbar

7.5.6 Test Results

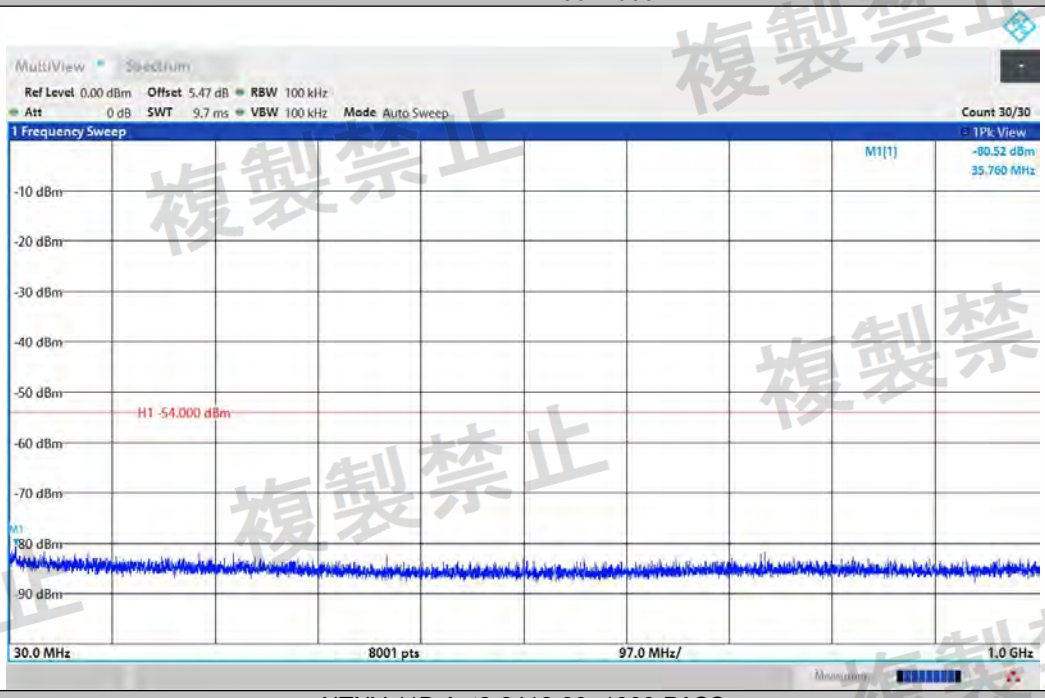
TestCondition	TestMode	Antenna	Frequency [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2412	30~1000	33.94	-80.09	≤-54	0.00979	≤4	PASS
NTNV	11B	Ant2	2412	30~1000	35.76	-80.52	≤-54	0.00887	≤4	PASS
NTNV	11B	Ant1	2412	1000~13000	7374.10	-66.62	≤-47	0.21777	≤20	PASS
NTNV	11B	Ant2	2412	1000~13000	6474.70	-67.34	≤-47	0.18450	≤20	PASS
NTNV	11B	Ant1	2442	30~1000	35.88	-80.99	≤-54	0.00796	≤4	PASS
NTNV	11B	Ant2	2442	30~1000	43.52	-80.40	≤-54	0.00912	≤4	PASS
NTNV	11B	Ant1	2442	1000~13000	6435.10	-66.64	≤-47	0.21677	≤20	PASS
NTNV	11B	Ant2	2442	1000~13000	7481.50	-67.41	≤-47	0.18155	≤20	PASS
NTNV	11B	Ant1	2472	30~1000	33.70	-80.29	≤-54	0.00935	≤4	PASS
NTNV	11B	Ant2	2472	30~1000	35.27	-81.45	≤-54	0.00716	≤4	PASS
NTNV	11B	Ant1	2472	1000~13000	2415.70	-66.23	≤-47	0.23823	≤20	PASS
NTNV	11B	Ant2	2472	1000~13000	7465.30	-67.58	≤-47	0.17458	≤20	PASS
NTNV	11G	Ant1	2412	30~1000	31.27	-80.79	≤-54	0.00834	≤4	PASS
NTNV	11G	Ant2	2412	30~1000	34.67	-80.47	≤-54	0.00897	≤4	PASS
NTNV	11G	Ant1	2412	1000~13000	6977.50	-66.83	≤-47	0.20749	≤20	PASS
NTNV	11G	Ant2	2412	1000~13000	2416.30	-67.40	≤-47	0.18197	≤20	PASS
NTNV	11G	Ant1	2442	30~1000	38.43	-81.29	≤-54	0.00743	≤4	PASS
NTNV	11G	Ant2	2442	30~1000	59.04	-81.24	≤-54	0.00752	≤4	PASS
NTNV	11G	Ant1	2442	1000~13000	7485.10	-66.45	≤-47	0.22646	≤20	PASS
NTNV	11G	Ant2	2442	1000~13000	8769.70	-67.42	≤-47	0.18113	≤20	PASS
NTNV	11G	Ant1	2472	30~1000	34.91	-79.81	≤-54	0.01045	≤4	PASS
NTNV	11G	Ant2	2472	30~1000	31.27	-81.04	≤-54	0.00787	≤4	PASS
NTNV	11G	Ant1	2472	1000~13000	7473.10	-67.05	≤-47	0.19724	≤20	PASS
NTNV	11G	Ant2	2472	1000~13000	6504.70	-67.60	≤-47	0.17378	≤20	PASS
NTNV	11N20MIMO	Ant1	2412	30~1000	31.88	-81.12	≤-54	0.00773	≤4	PASS
NTNV	11N20MIMO	Ant2	2412	30~1000	34.67	-80.52	≤-54	0.00887	≤4	PASS
NTNV	11N20MIMO	Ant1	2412	1000~13000	7494.10	-66.68	≤-47	0.21478	≤20	PASS
NTNV	11N20MIMO	Ant2	2412	1000~13000	6408.70	-67.06	≤-47	0.19679	≤20	PASS
NTNV	11N20MIMO	Ant1	2442	30~1000	34.43	-81.04	≤-54	0.00787	≤4	PASS
NTNV	11N20MIMO	Ant2	2442	30~1000	31.76	-81.37	≤-54	0.00729	≤4	PASS
NTNV	11N20MIMO	Ant1	2442	1000~13000	3514.90	-65.06	≤-47	0.31189	≤20	PASS
NTNV	11N20MIMO	Ant2	2442	1000~13000	3574.30	-58.65	≤-47	1.36458	≤20	PASS
NTNV	11N20MIMO	Ant1	2472	30~1000	35.03	-81.10	≤-54	0.00776	≤4	PASS
NTNV	11N20MIMO	Ant2	2472	30~1000	33.94	-80.56	≤-54	0.00879	≤4	PASS
NTNV	11N20MIMO	Ant1	2472	1000~13000	2598.70	-64.08	≤-47	0.39084	≤20	PASS
NTNV	11N20MIMO	Ant2	2472	1000~13000	3445.90	-64.91	≤-47	0.32285	≤20	PASS
NTNV	11N40MIMO	Ant1	2422	30~1000	47.28	-81.22	≤-54	0.00755	≤4	PASS
NTNV	11N40MIMO	Ant2	2422	30~1000	36.00	-79.67	≤-54	0.01079	≤4	PASS
NTNV	11N40MIMO	Ant1	2422	1000~13000	2585.50	-66.19	≤-47	0.24044	≤20	PASS
NTNV	11N40MIMO	Ant2	2422	1000~13000	2579.28	-54.41	≤-47	3.62243	≤20	See table below
NTNV	11N40MIMO	Ant1	2442	30~1000	34.55	-80.47	≤-54	0.00897	≤4	PASS
NTNV	11N40MIMO	Ant2	2442	30~1000	33.21	-80.59	≤-54	0.00873	≤4	PASS
NTNV	11N40MIMO	Ant1	2442	1000~13000	6955.90	-66.83	≤-47	0.20749	≤20	PASS
NTNV	11N40MIMO	Ant2	2442	1000~13000	6500.50	-66.29	≤-47	0.23496	≤20	PASS
NTNV	11N40MIMO	Ant1	2462	30~1000	31.39	-80.97	≤-54	0.00800	≤4	PASS
NTNV	11N40MIMO	Ant2	2462	30~1000	36.00	-79.74	≤-54	0.01062	≤4	PASS
NTNV	11N40MIMO	Ant1	2462	1000~13000	2533.30	-64.47	≤-47	0.35727	≤20	PASS
NTNV	11N40MIMO	Ant2	2462	1000~13000	3505.90	-64.69	≤-47	0.33963	≤20	PASS
NTNV	11AX20MIMO	Ant1	2412	30~1000	32.12	-80.80	≤-54	0.00832	≤4	PASS
NTNV	11AX20MIMO	Ant2	2412	30~1000	35.39	-80.62	≤-54	0.00867	≤4	PASS
NTNV	11AX20MIMO	Ant1	2412	1000~13000	3406.90	-66.51	≤-47	0.22336	≤20	PASS
NTNV	11AX20MIMO	Ant2	2412	1000~13000	6432.10	-67.07	≤-47	0.19634	≤20	PASS
NTNV	11AX20MIMO	Ant1	2442	30~1000	33.82	-80.48	≤-54	0.00895	≤4	PASS

NTNV	11AX20MIMO	Ant2	2442	30~1000	44.61	-81.22	≤-54	0.00755	≤4	PASS
NTNV	11AX20MIMO	Ant1	2442	1000~13000	6353.50	-66.82	≤-47	0.20797	≤20	PASS
NTNV	11AX20MIMO	Ant2	2442	1000~13000	6408.70	-67.23	≤-47	0.18923	≤20	PASS
NTNV	11AX20MIMO	Ant1	2472	30~1000	34.43	-80.90	≤-54	0.00813	≤4	PASS
NTNV	11AX20MIMO	Ant2	2472	30~1000	756.98	-80.74	≤-54	0.00843	≤4	PASS
NTNV	11AX20MIMO	Ant1	2472	1000~13000	6486.70	-67.18	≤-47	0.19143	≤20	PASS
NTNV	11AX20MIMO	Ant2	2472	1000~13000	3418.30	-58.02	≤-47	1.57761	≤20	PASS
NTNV	11AX40MIMO	Ant1	2422	30~1000	70.55	-81.12	≤-54	0.00773	≤4	PASS
NTNV	11AX40MIMO	Ant2	2422	30~1000	31.15	-80.91	≤-54	0.00811	≤4	PASS
NTNV	11AX40MIMO	Ant1	2422	1000~13000	8697.70	-67.04	≤-47	0.19770	≤20	PASS
NTNV	11AX40MIMO	Ant2	2422	1000~13000	7457.50	-66.88	≤-47	0.20512	≤20	PASS
NTNV	11AX40MIMO	Ant1	2442	30~1000	35.27	-80.93	≤-54	0.00807	≤4	PASS
NTNV	11AX40MIMO	Ant2	2442	30~1000	33.33	-80.83	≤-54	0.00826	≤4	PASS
NTNV	11AX40MIMO	Ant1	2442	1000~13000	7487.50	-67.51	≤-47	0.17742	≤20	PASS
NTNV	11AX40MIMO	Ant2	2442	1000~13000	7490.50	-67.61	≤-47	0.17338	≤20	PASS
NTNV	11AX40MIMO	Ant1	2462	30~1000	35.27	-81.21	≤-54	0.00757	≤4	PASS
NTNV	11AX40MIMO	Ant2	2462	30~1000	30.91	-80.90	≤-54	0.00813	≤4	PASS
NTNV	11AX40MIMO	Ant1	2462	1000~13000	3598.90	-60.75	≤-47	0.84140	≤20	PASS
NTNV	11AX40MIMO	Ant2	2462	1000~13000	2611.90	-59.40	≤-47	1.14815	≤20	PASS
NTNV	11BE20MIMO	Ant1	2412	30~1000	60.49	-81.09	≤-54	0.00778	≤4	PASS
NTNV	11BE20MIMO	Ant2	2412	30~1000	30.42	-81.56	≤-54	0.00698	≤4	PASS
NTNV	11BE20MIMO	Ant1	2412	1000~13000	7479.10	-67.14	≤-47	0.19320	≤20	PASS
NTNV	11BE20MIMO	Ant2	2412	1000~13000	6307.90	-67.43	≤-47	0.18072	≤20	PASS
NTNV	11BE20MIMO	Ant1	2442	30~1000	46.31	-80.98	≤-54	0.00798	≤4	PASS
NTNV	11BE20MIMO	Ant2	2442	30~1000	79.16	-80.37	≤-54	0.00918	≤4	PASS
NTNV	11BE20MIMO	Ant1	2442	1000~13000	6405.70	-67.60	≤-47	0.17378	≤20	PASS
NTNV	11BE20MIMO	Ant2	2442	1000~13000	6448.30	-66.78	≤-47	0.20989	≤20	PASS
NTNV	11BE20MIMO	Ant1	2472	30~1000	34.79	-80.81	≤-54	0.00830	≤4	PASS
NTNV	11BE20MIMO	Ant2	2472	30~1000	32.49	-80.95	≤-54	0.00804	≤4	PASS
NTNV	11BE20MIMO	Ant1	2472	1000~13000	7329.10	-67.41	≤-47	0.18155	≤20	PASS
NTNV	11BE20MIMO	Ant2	2472	1000~13000	6503.50	-67.15	≤-47	0.19275	≤20	PASS
NTNV	11BE40MIMO	Ant1	2422	30~1000	35.03	-81.14	≤-54	0.00769	≤4	PASS
NTNV	11BE40MIMO	Ant2	2422	30~1000	39.27	-81.16	≤-54	0.00766	≤4	PASS
NTNV	11BE40MIMO	Ant1	2422	1000~13000	6997.30	-67.59	≤-47	0.17418	≤20	PASS
NTNV	11BE40MIMO	Ant2	2422	1000~13000	6987.70	-67.37	≤-47	0.18323	≤20	PASS
NTNV	11BE40MIMO	Ant1	2442	30~1000	32.73	-80.84	≤-54	0.00824	≤4	PASS
NTNV	11BE40MIMO	Ant2	2442	30~1000	34.30	-79.83	≤-54	0.01040	≤4	PASS
NTNV	11BE40MIMO	Ant1	2442	1000~13000	7431.70	-67.51	≤-47	0.17742	≤20	PASS
NTNV	11BE40MIMO	Ant2	2442	1000~13000	6437.50	-66.42	≤-47	0.22803	≤20	PASS
NTNV	11BE40MIMO	Ant1	2462	30~1000	56.73	-80.45	≤-54	0.00902	≤4	PASS
NTNV	11BE40MIMO	Ant2	2462	30~1000	35.88	-80.45	≤-54	0.00902	≤4	PASS
NTNV	11BE40MIMO	Ant1	2462	1000~13000	7448.50	-67.06	≤-47	0.19679	≤20	PASS
NTNV	11BE40MIMO	Ant2	2462	1000~13000	6306.10	-66.54	≤-47	0.22182	≤20	PASS

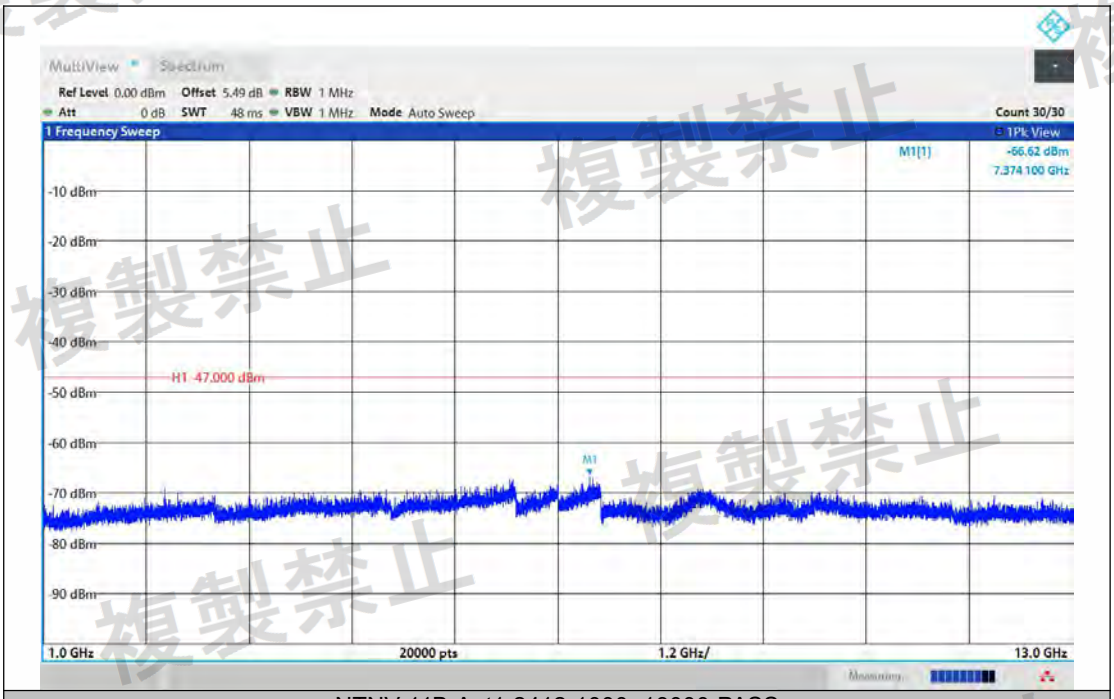
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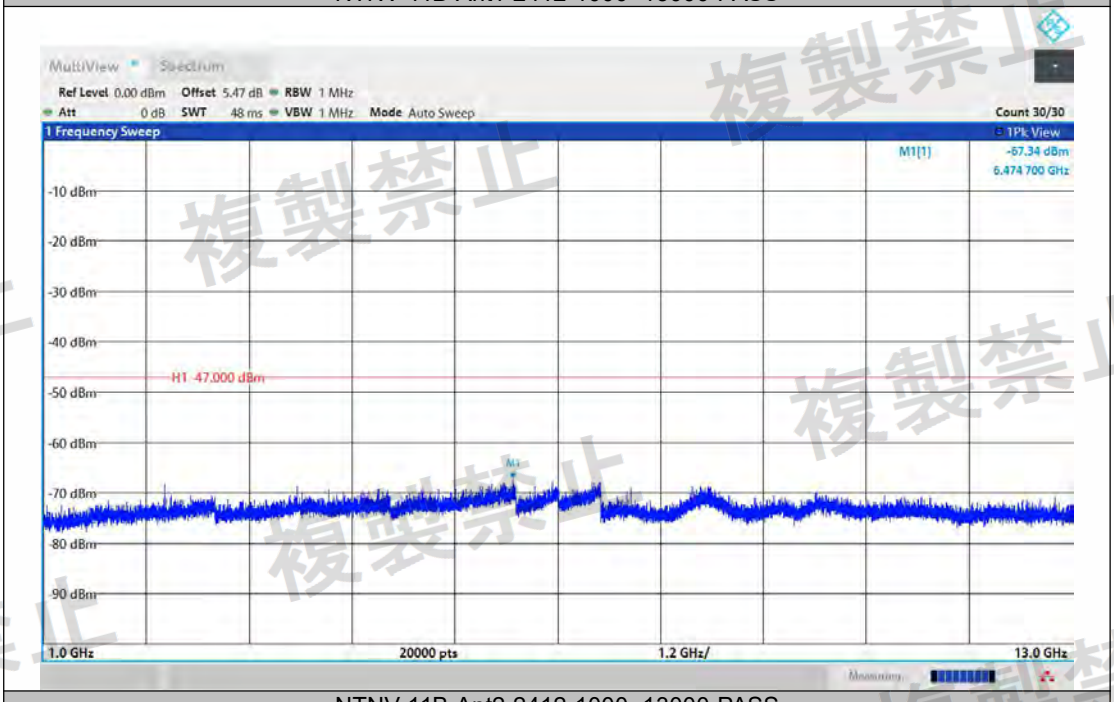
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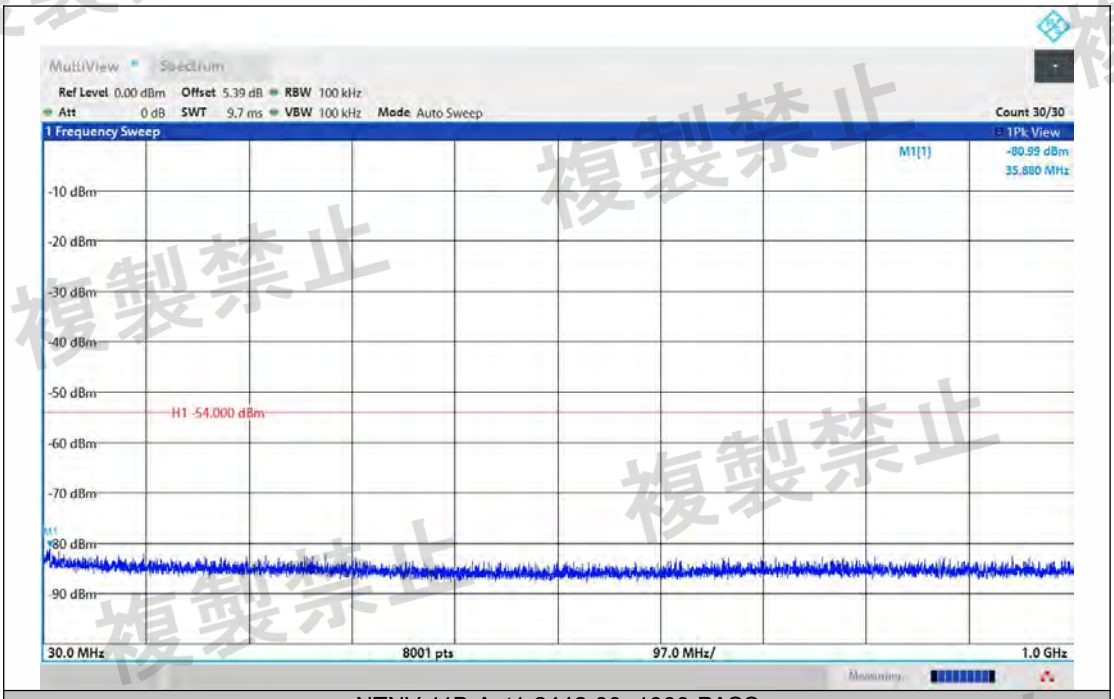
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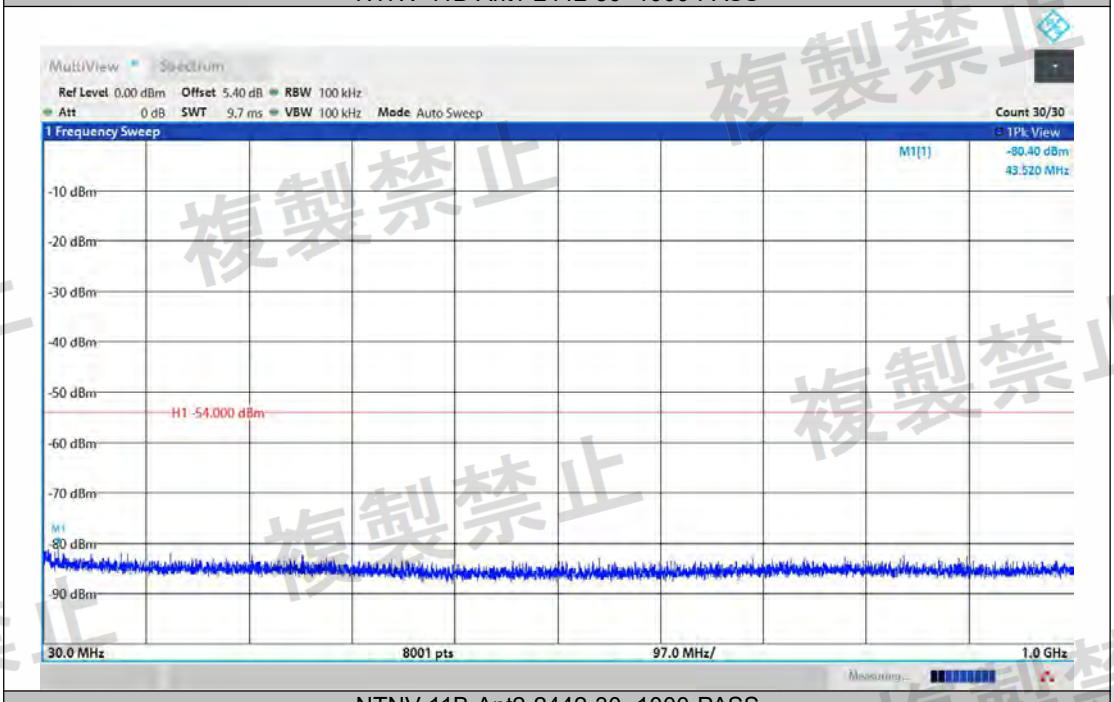
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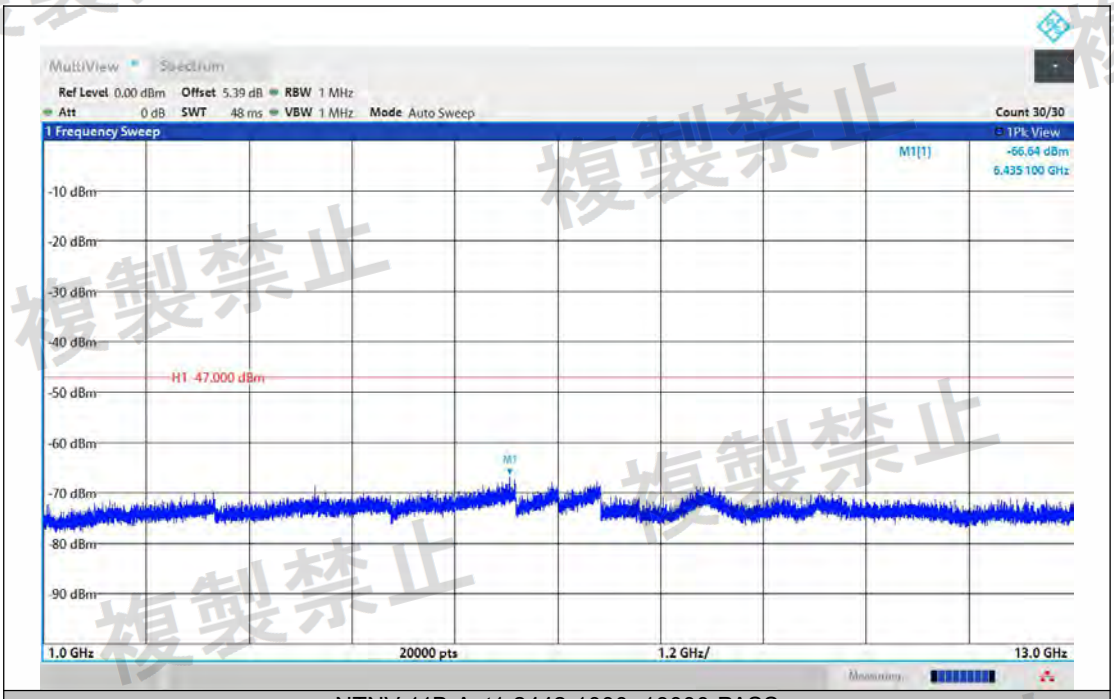
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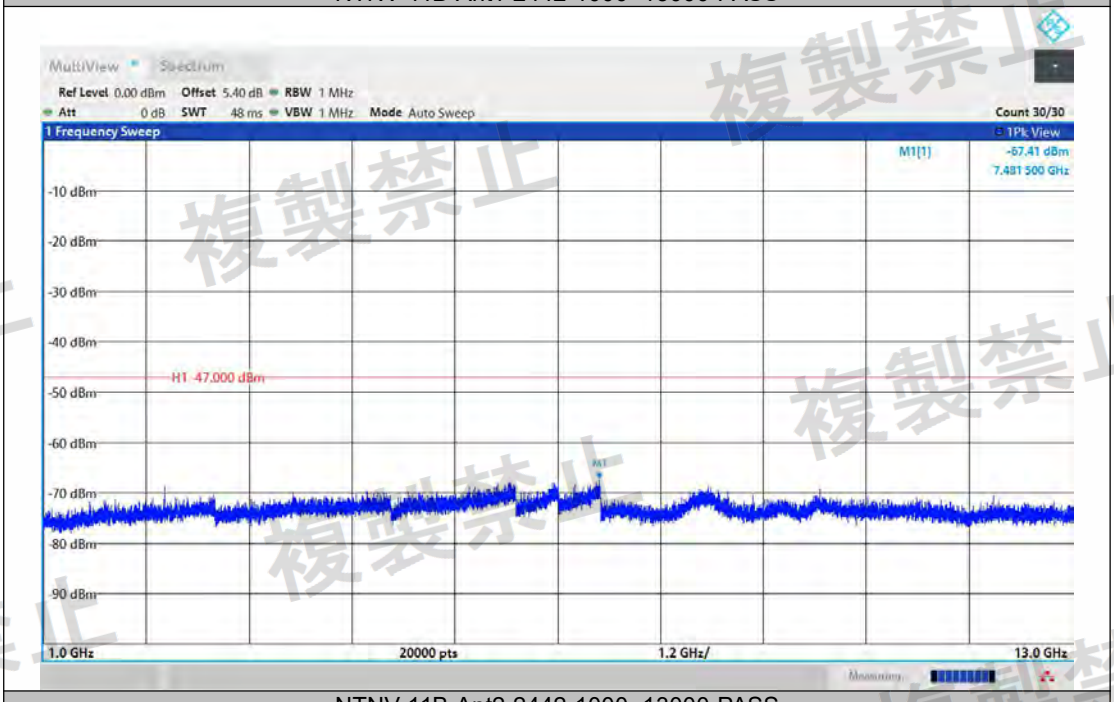
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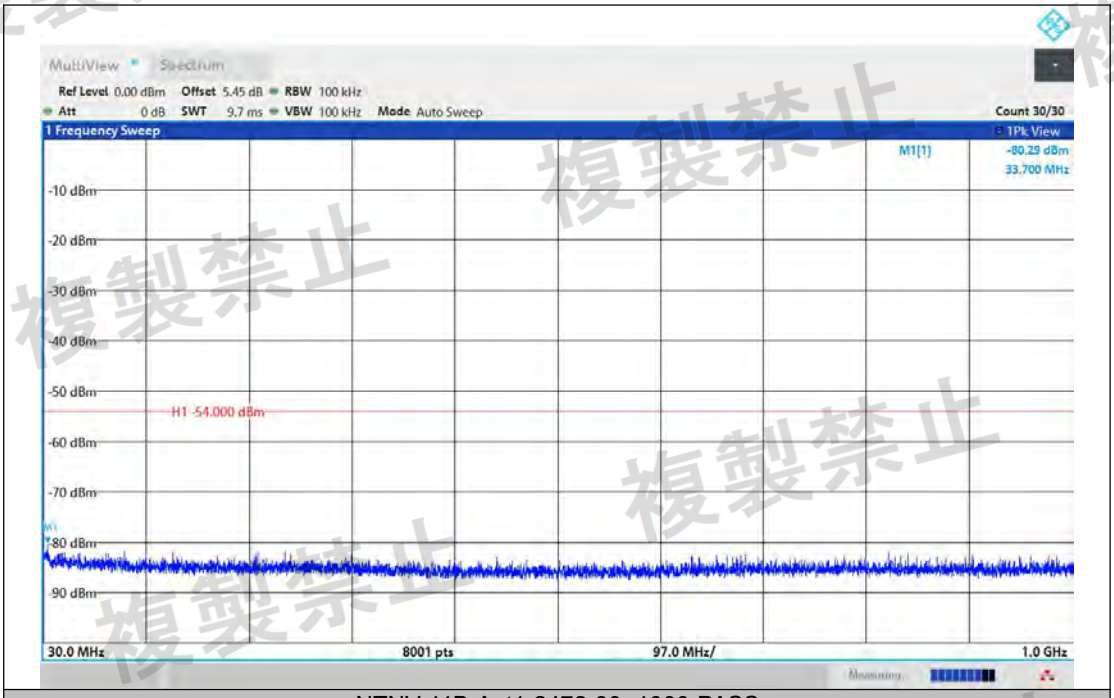
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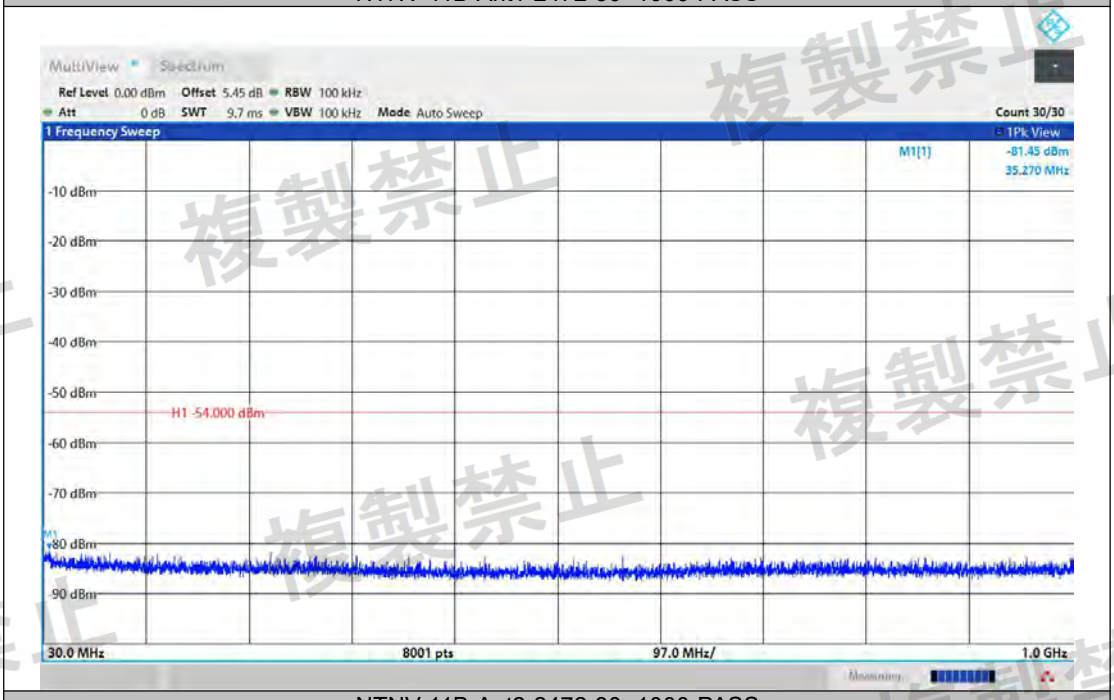
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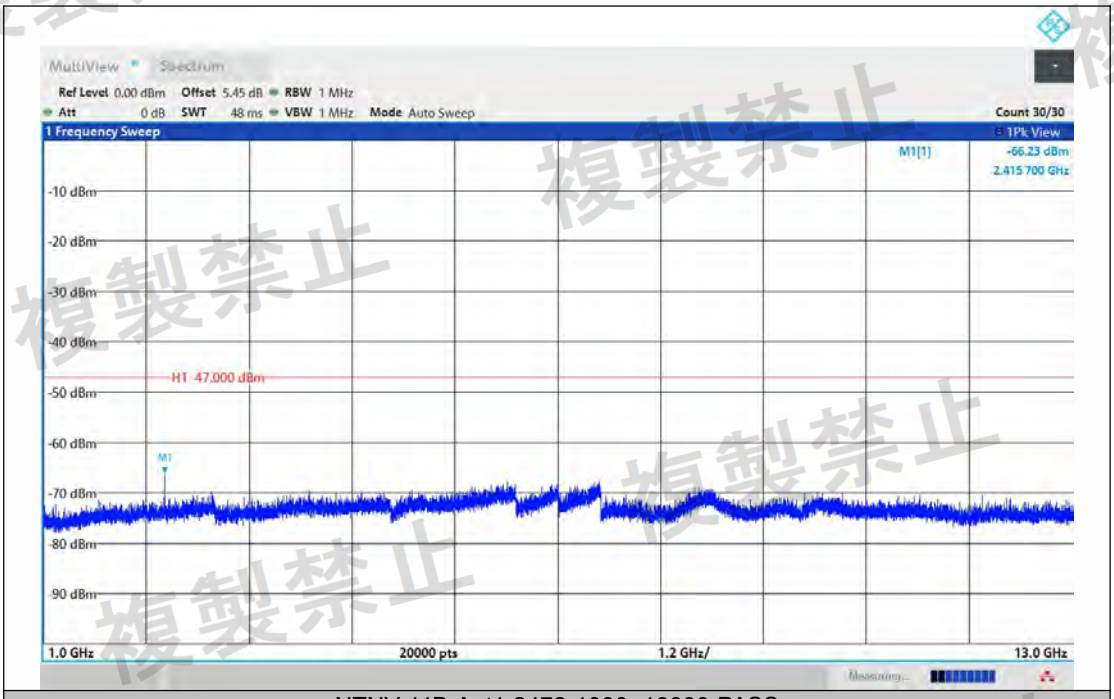
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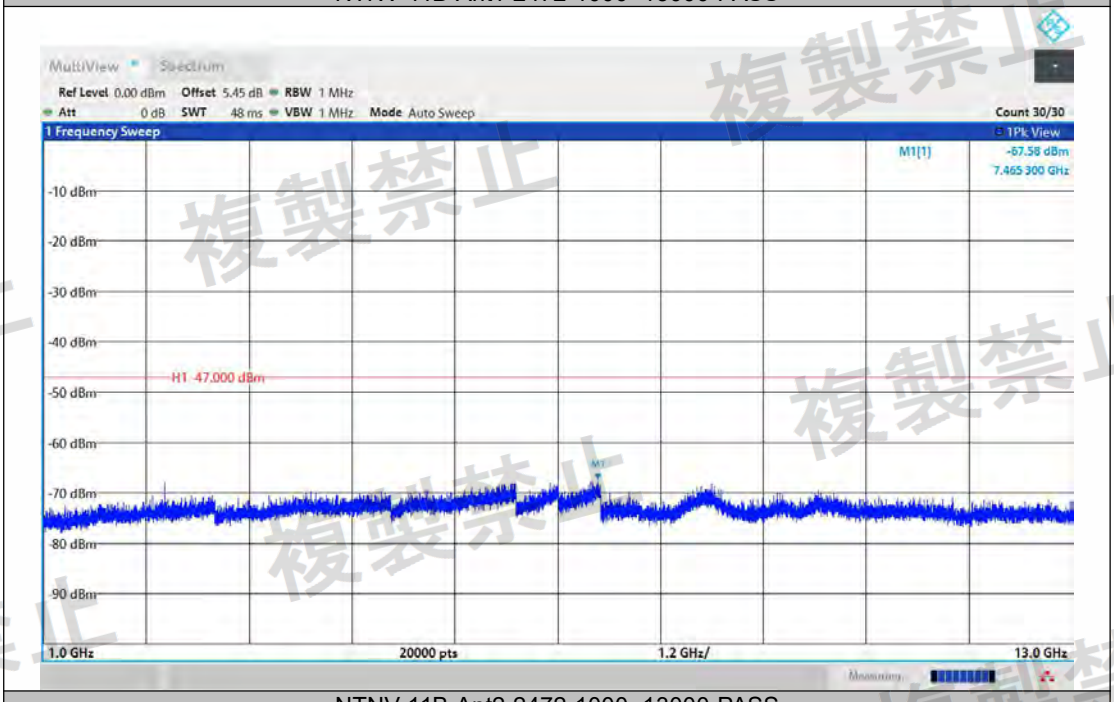
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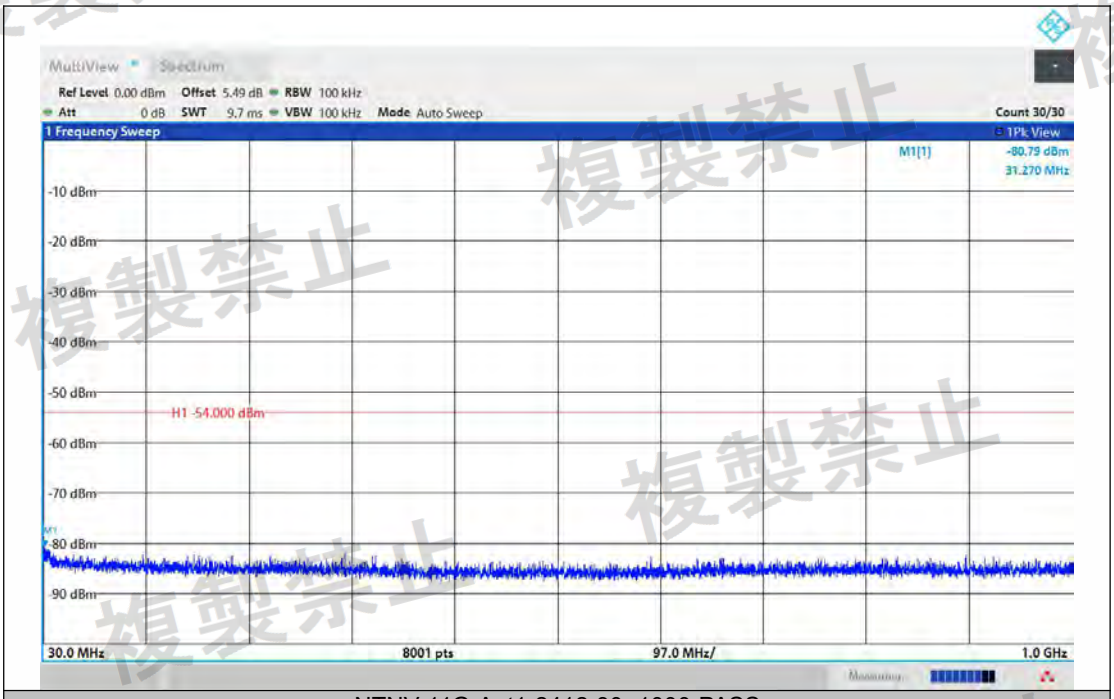
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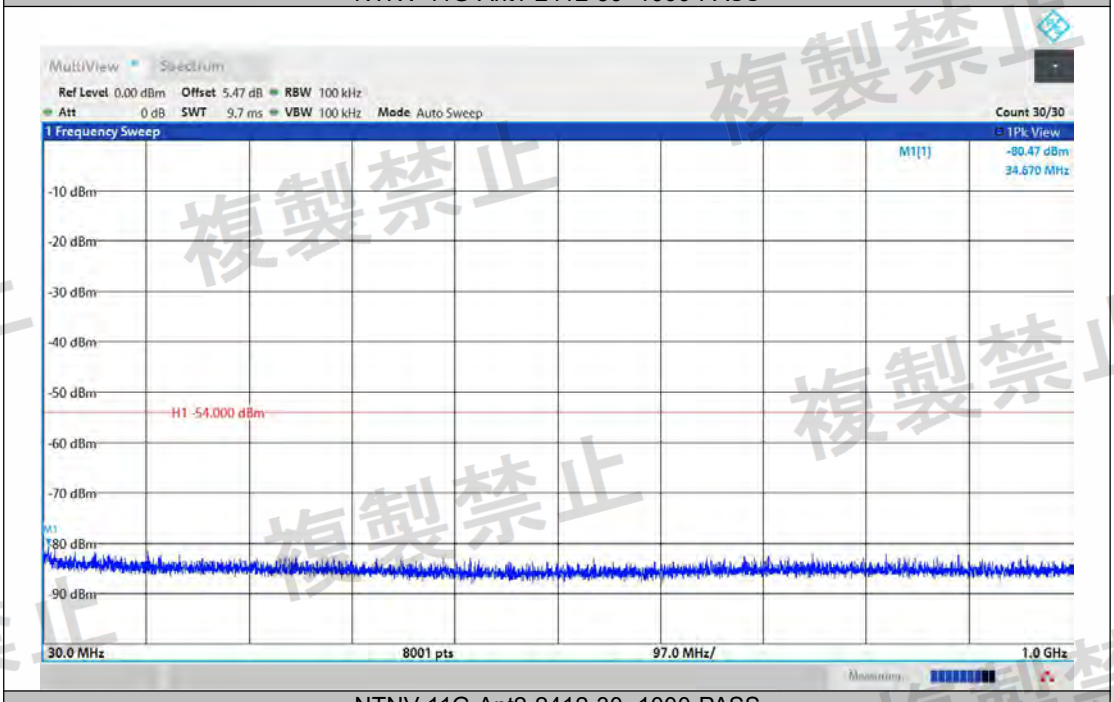
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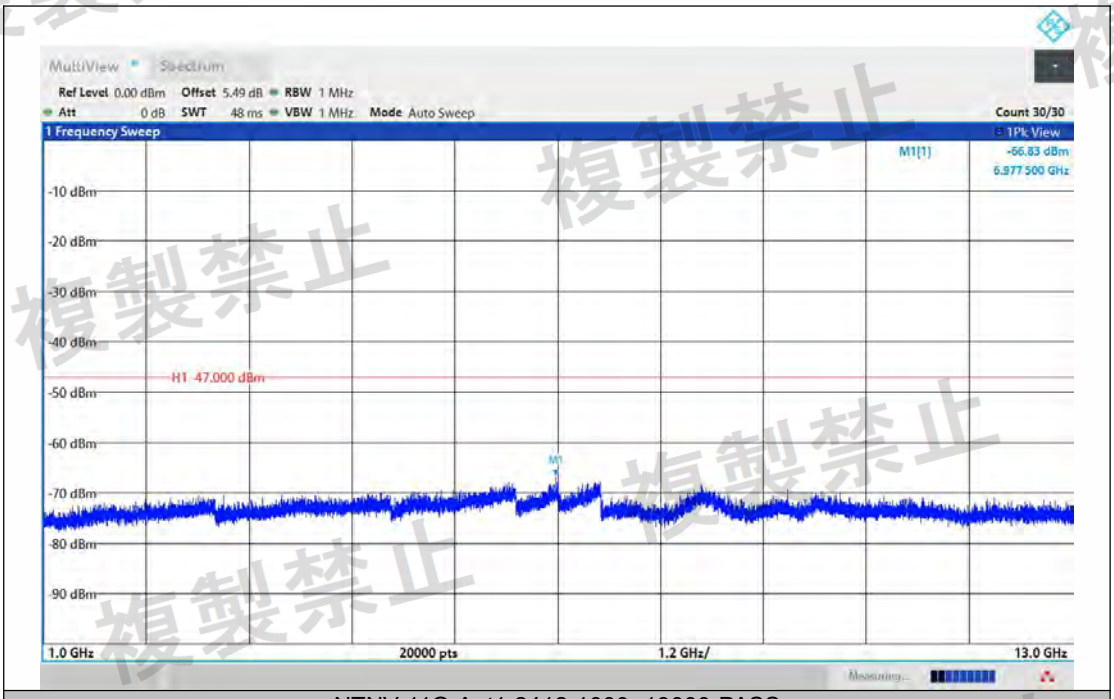
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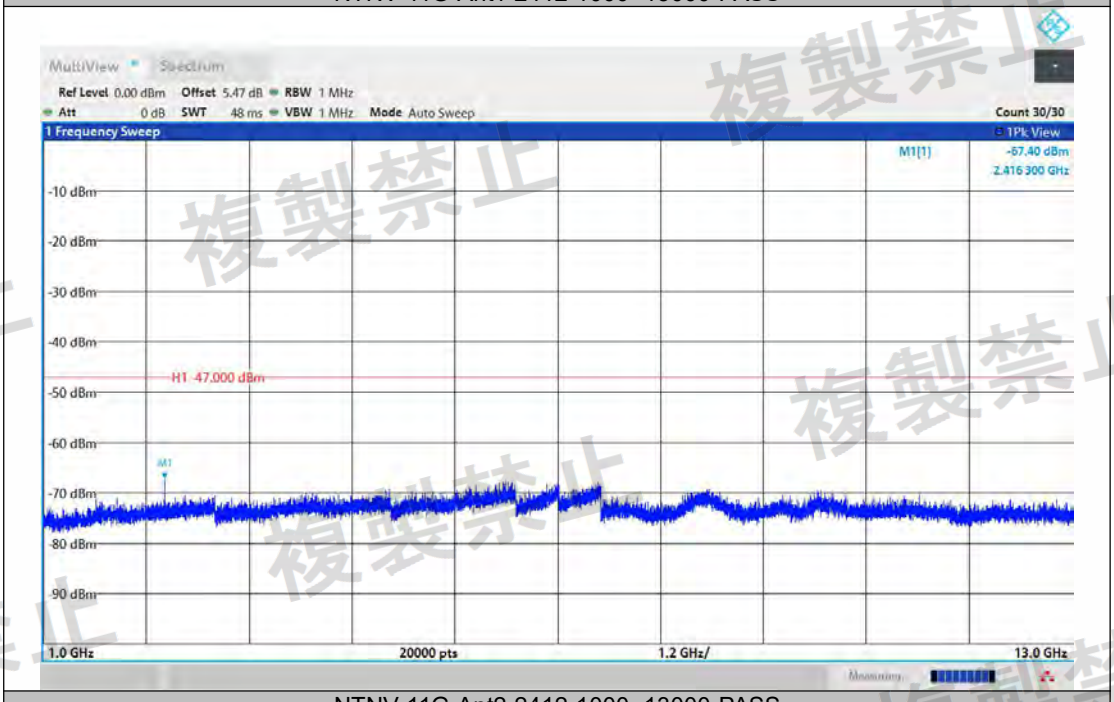
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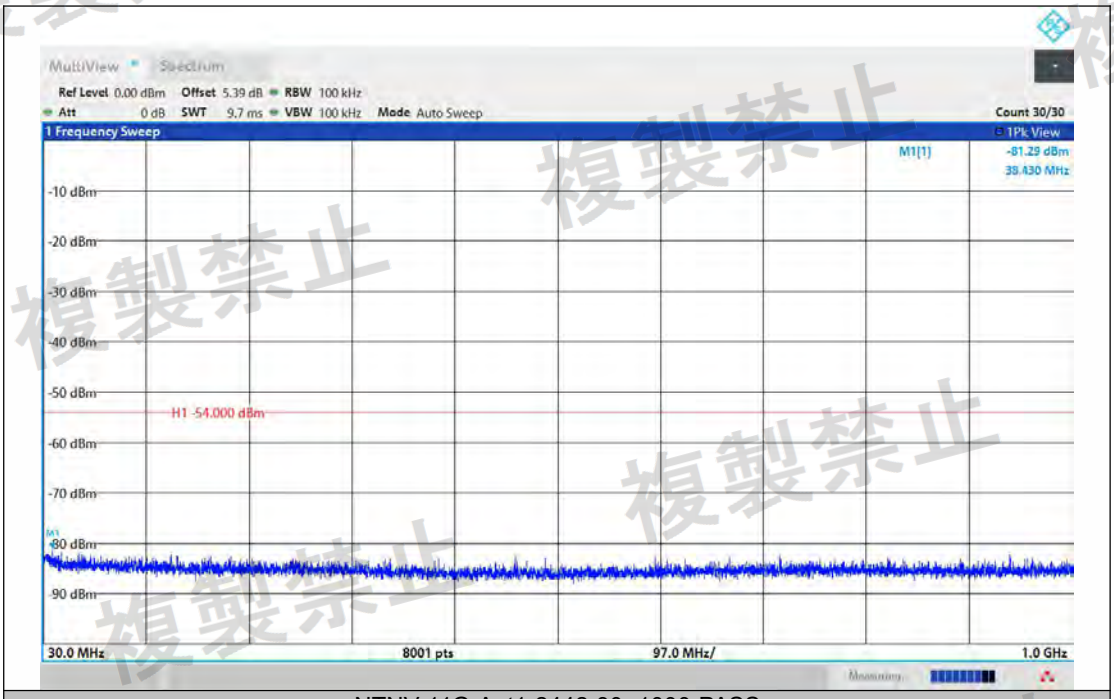
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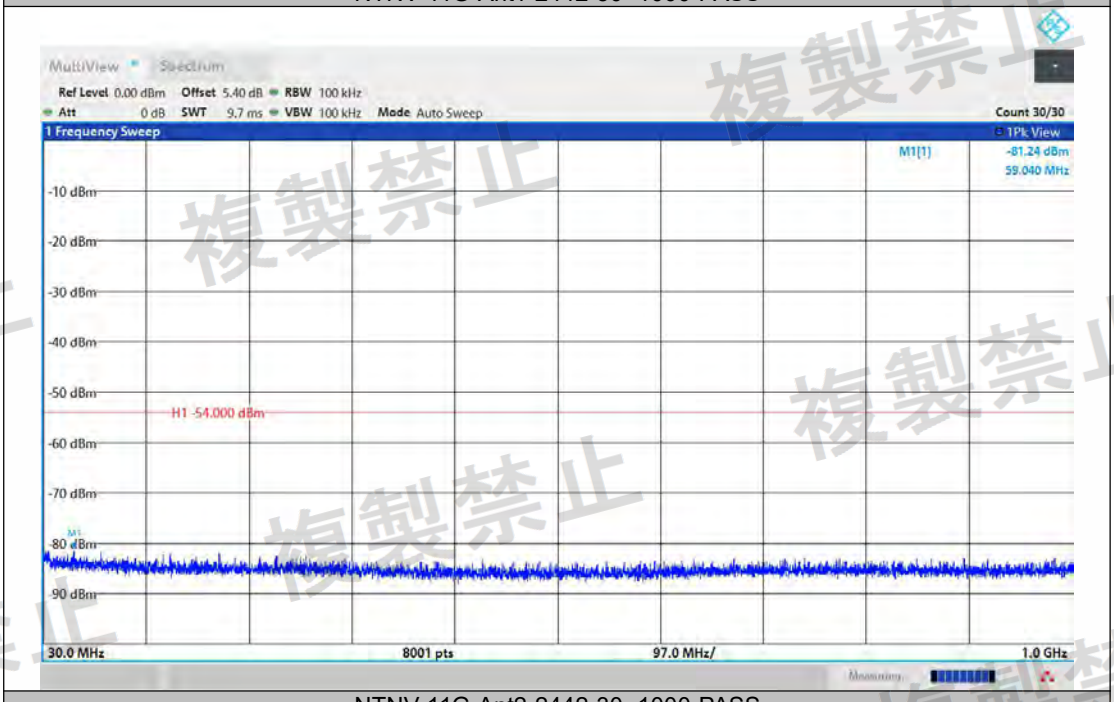
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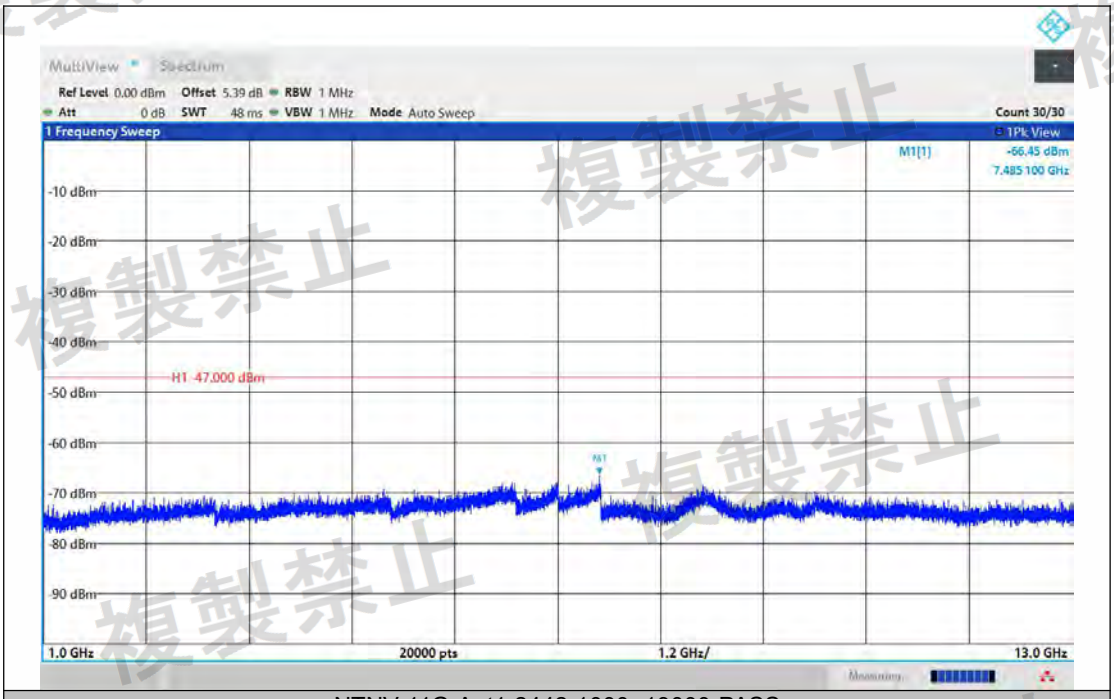
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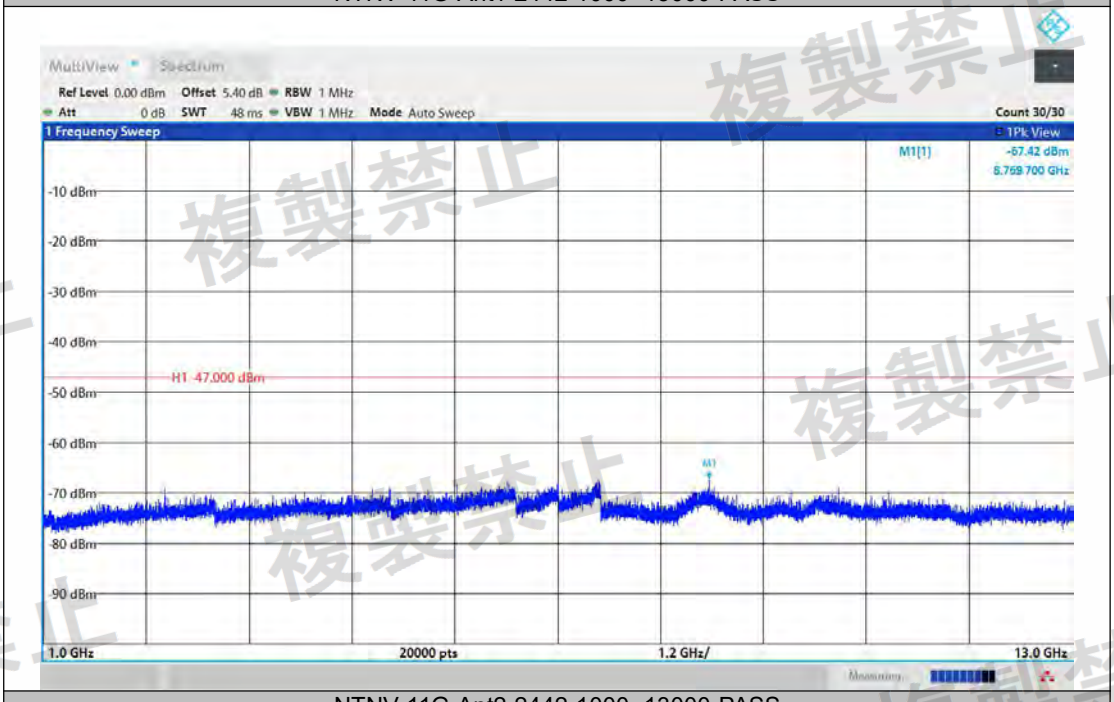
NTNV-11G-Ant1-2442-30~1000-PASS



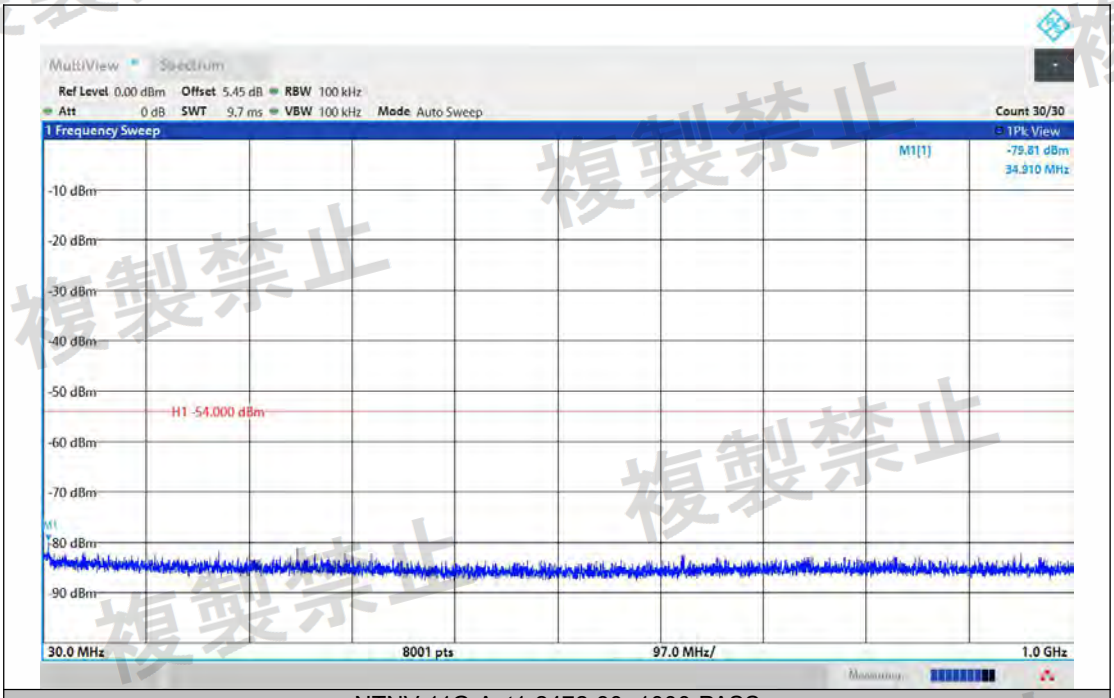
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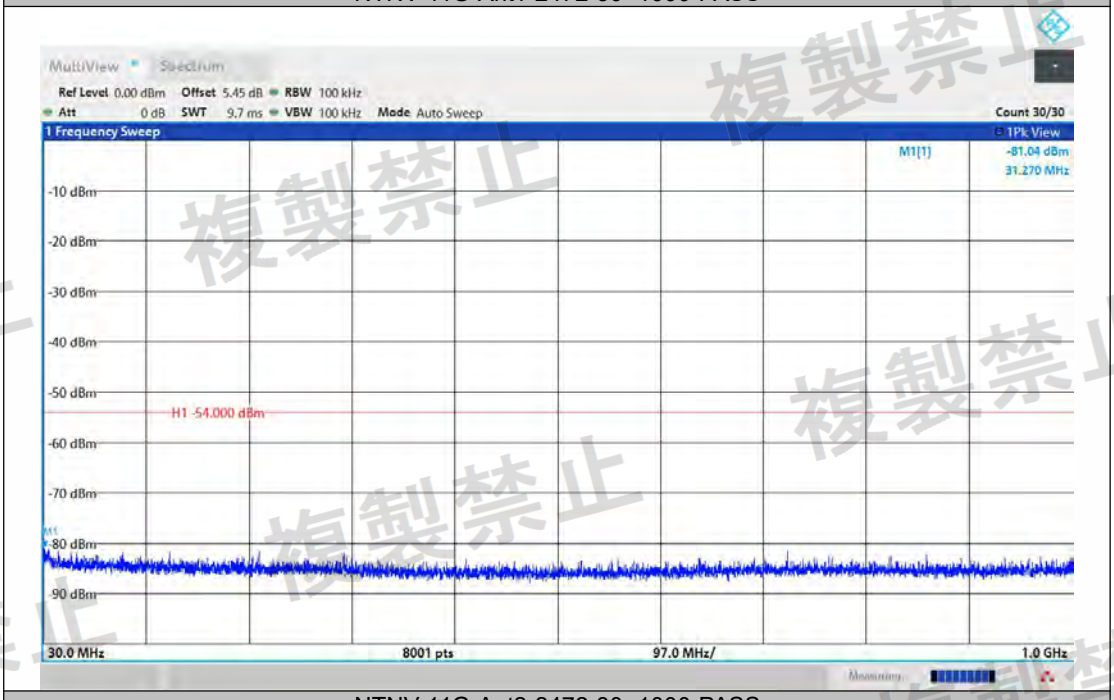
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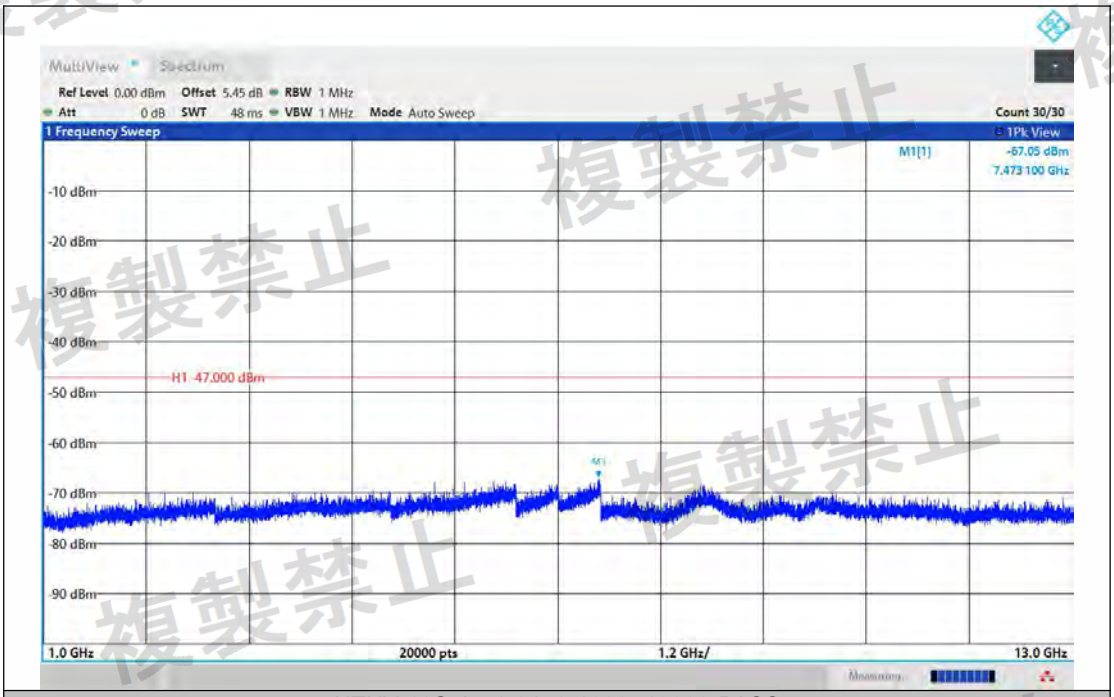
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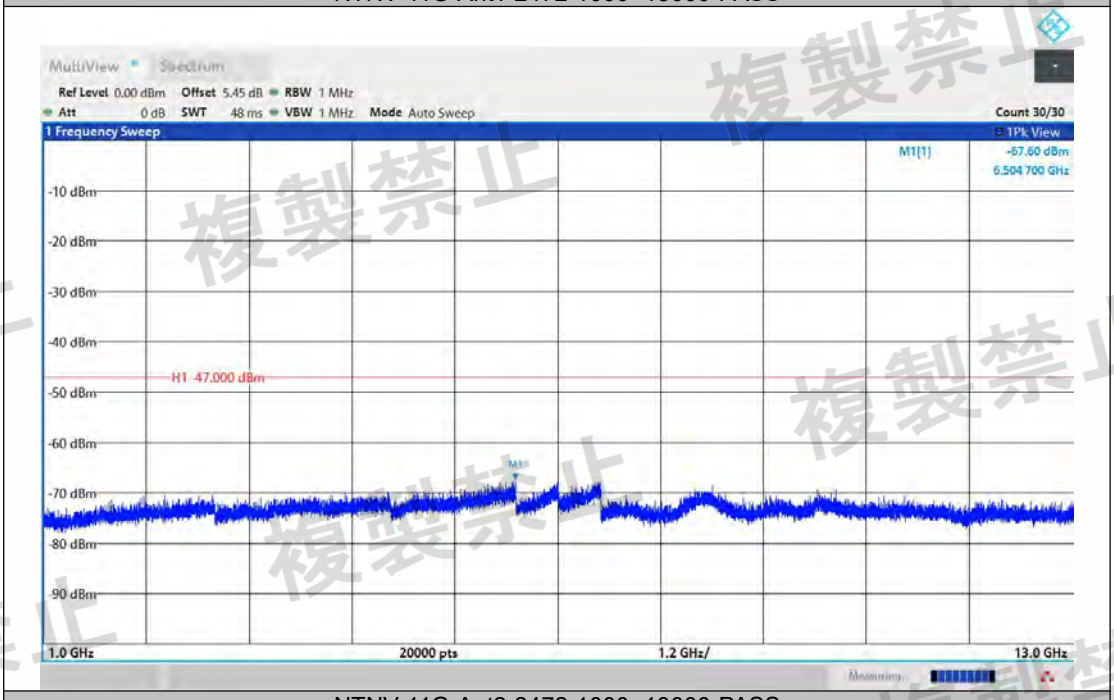
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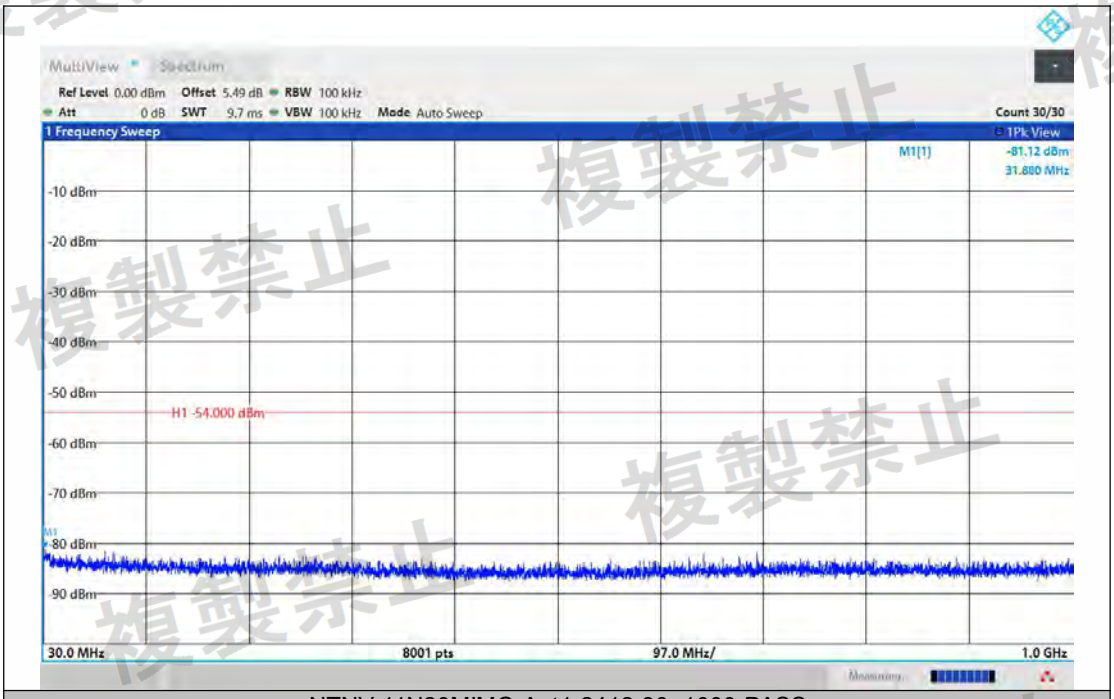
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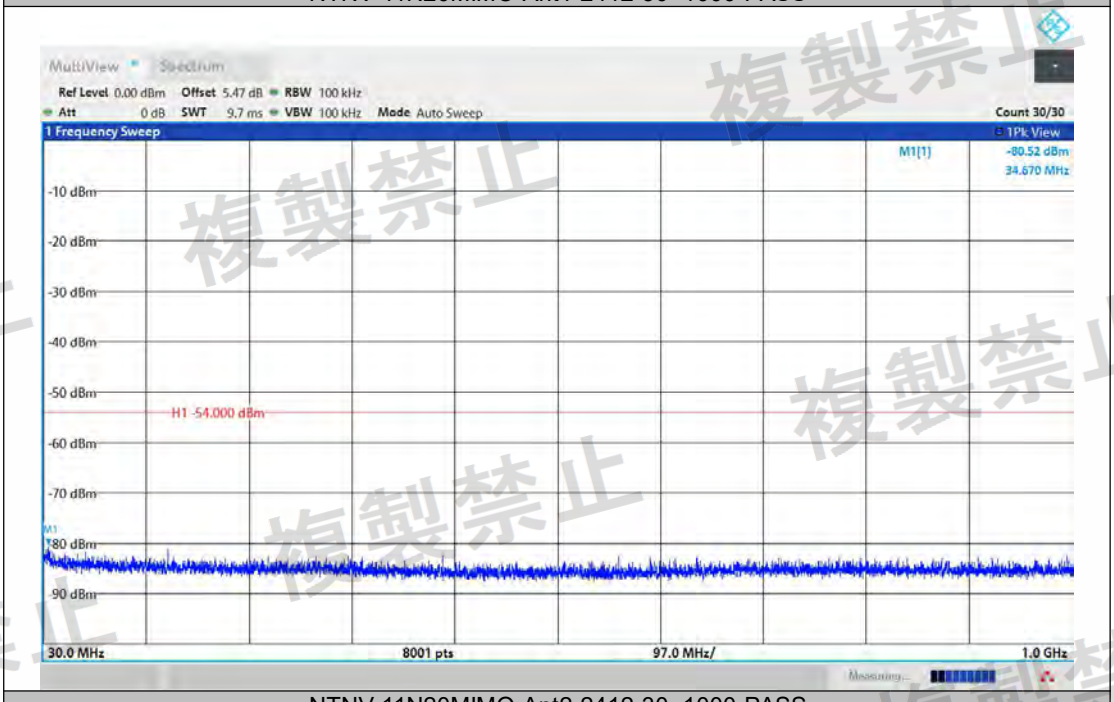
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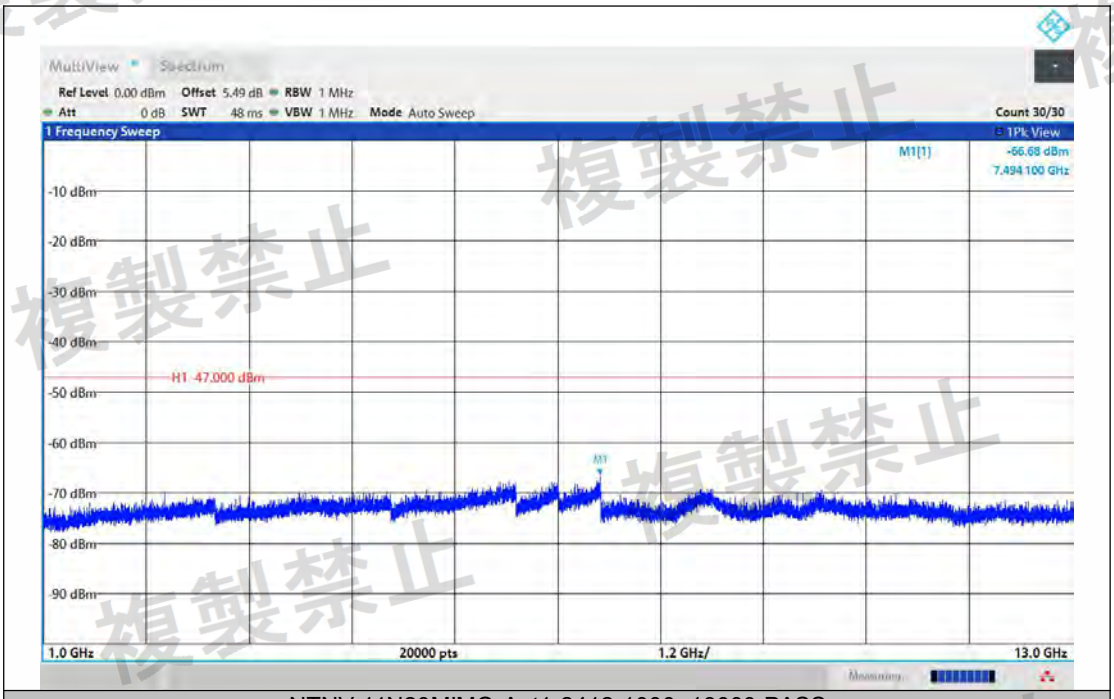
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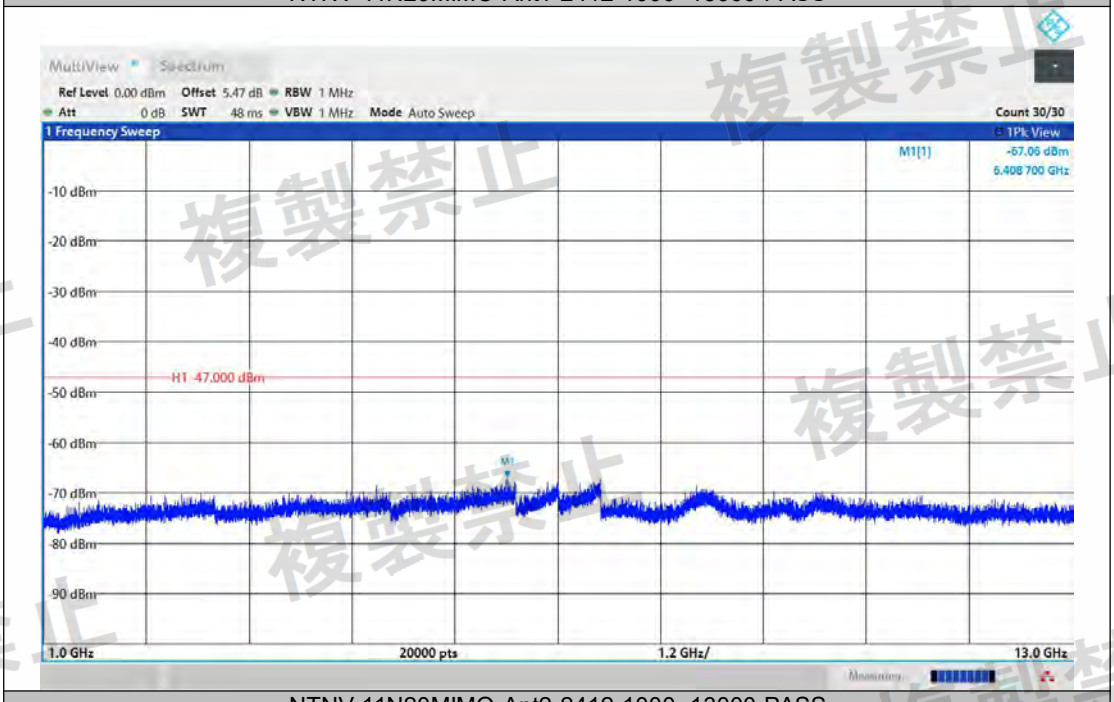
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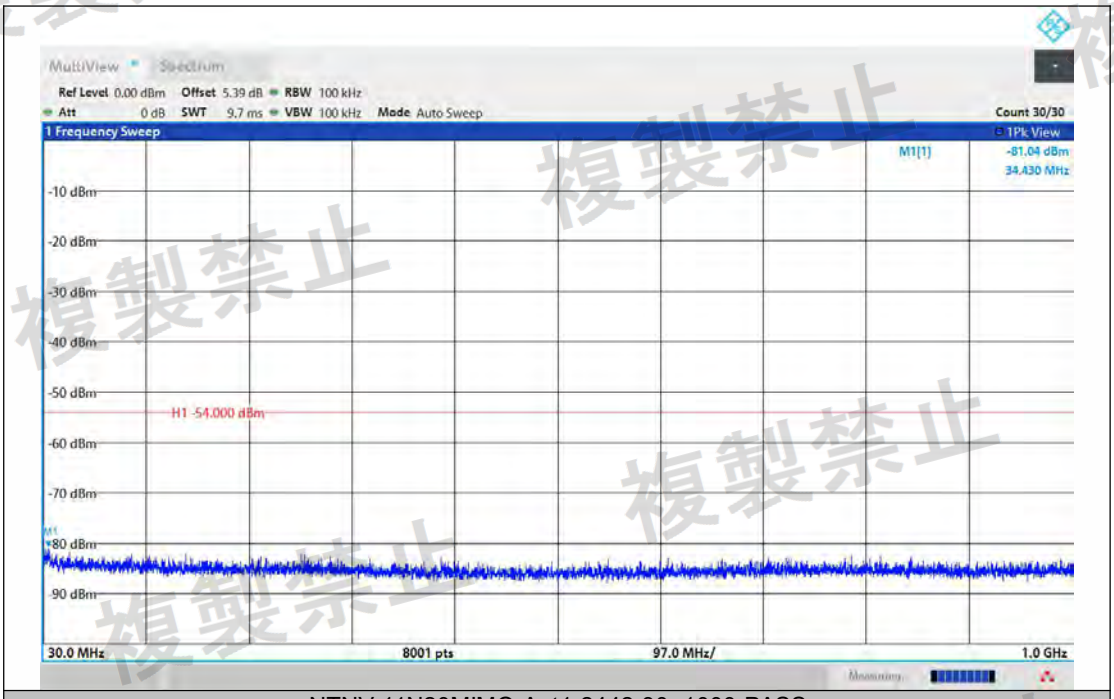
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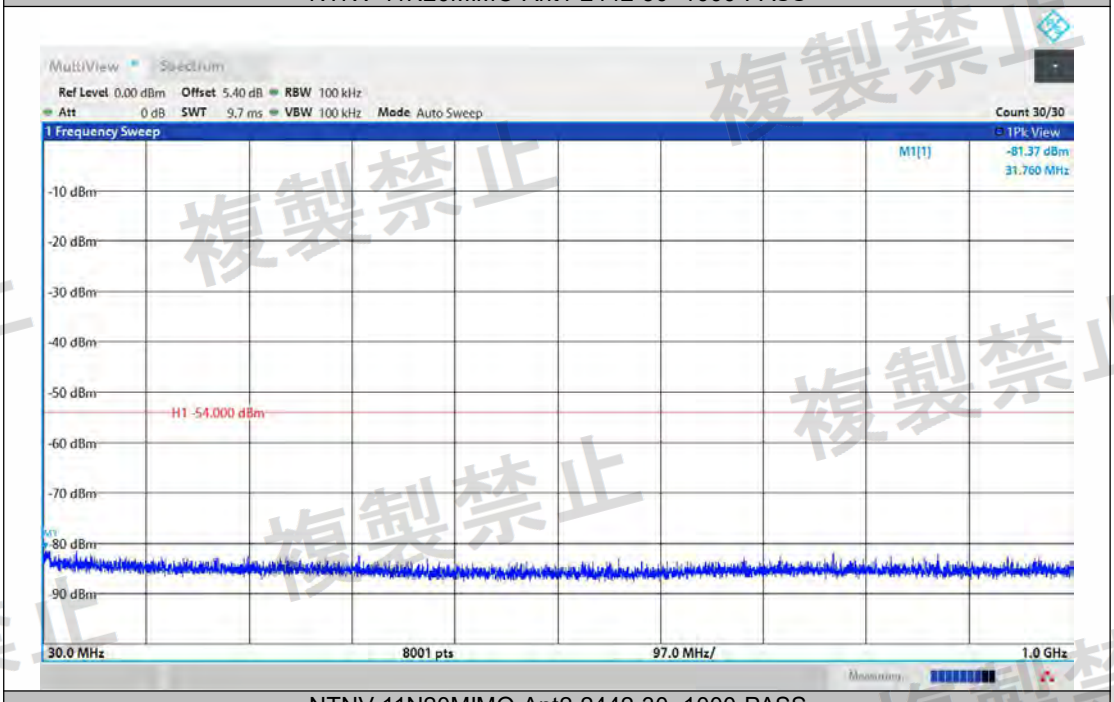
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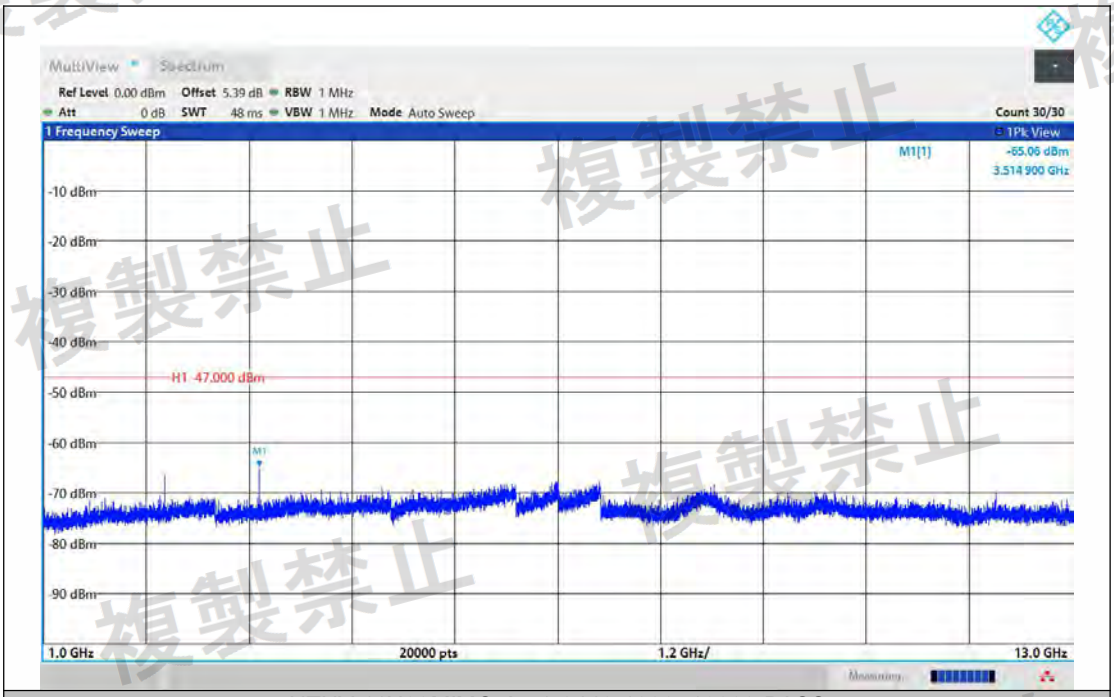
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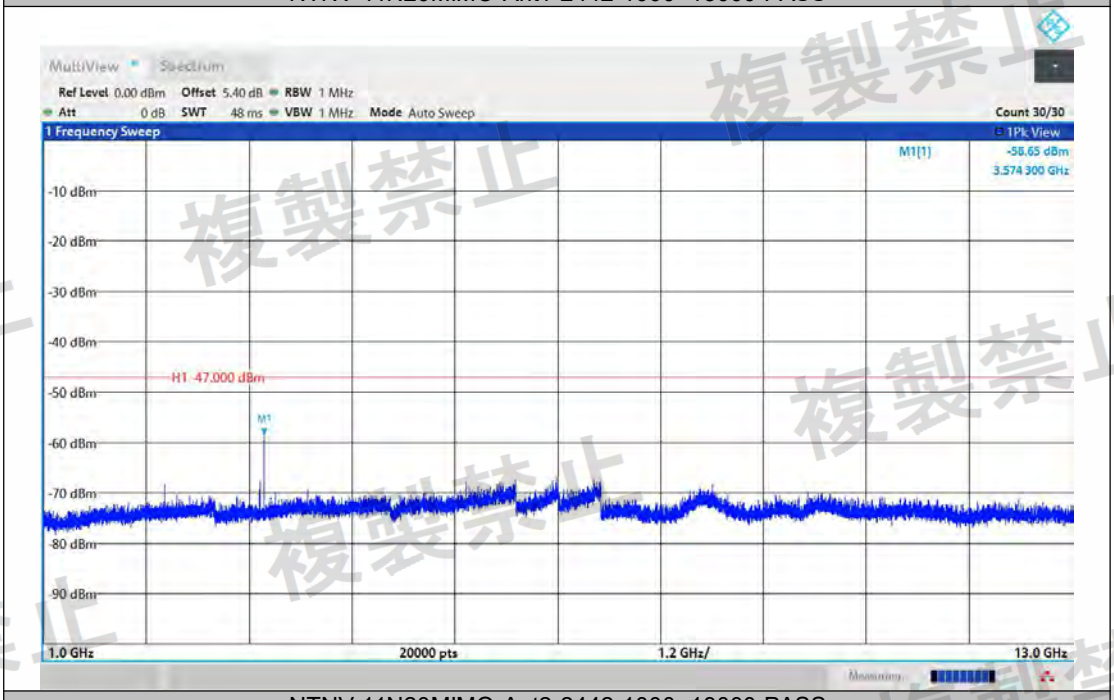
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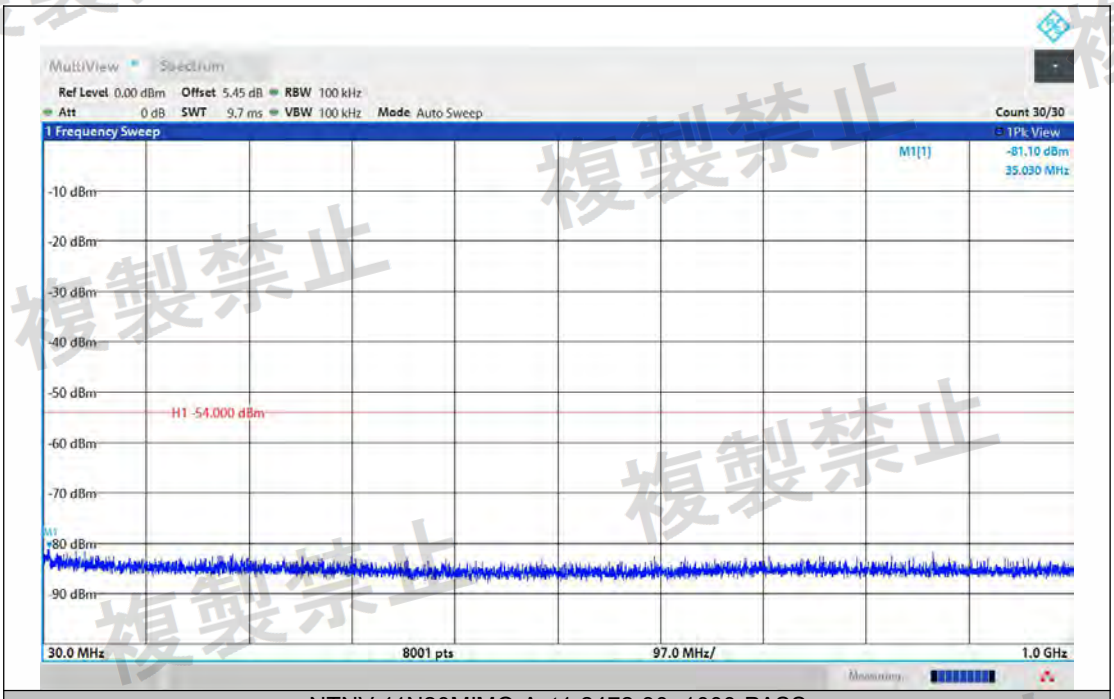
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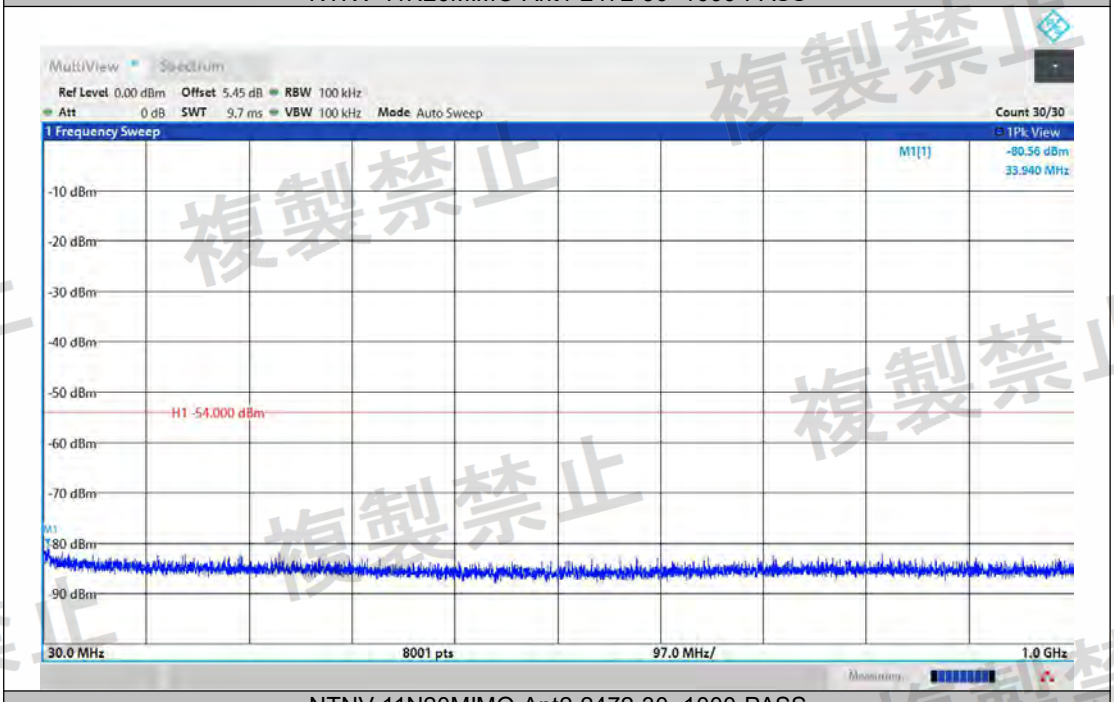
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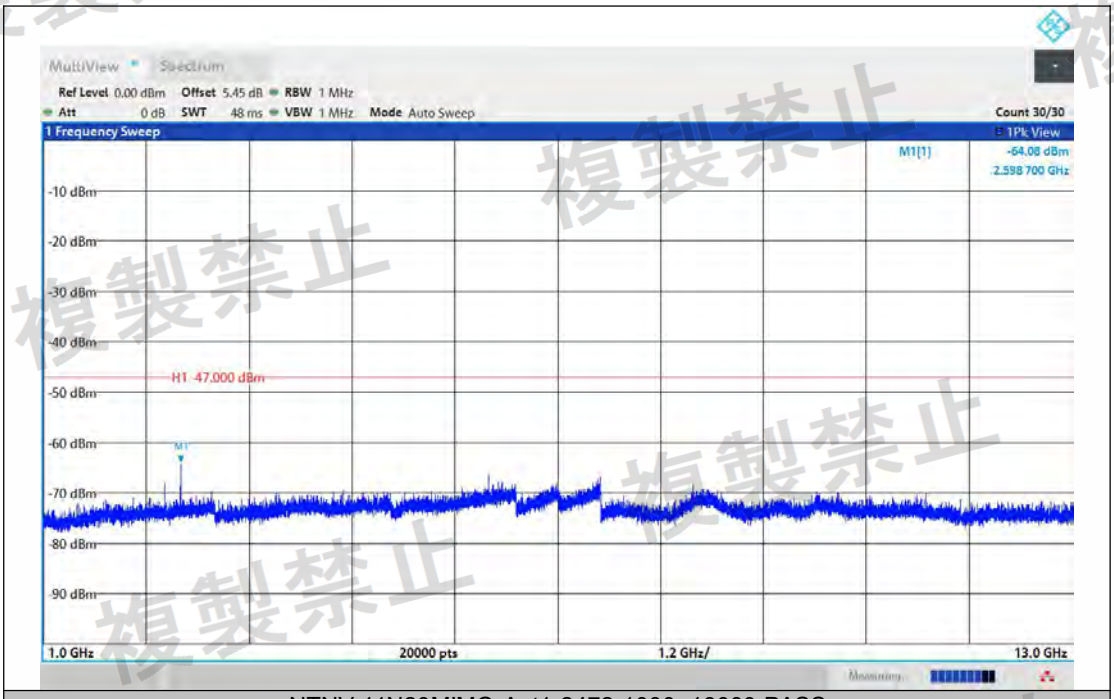
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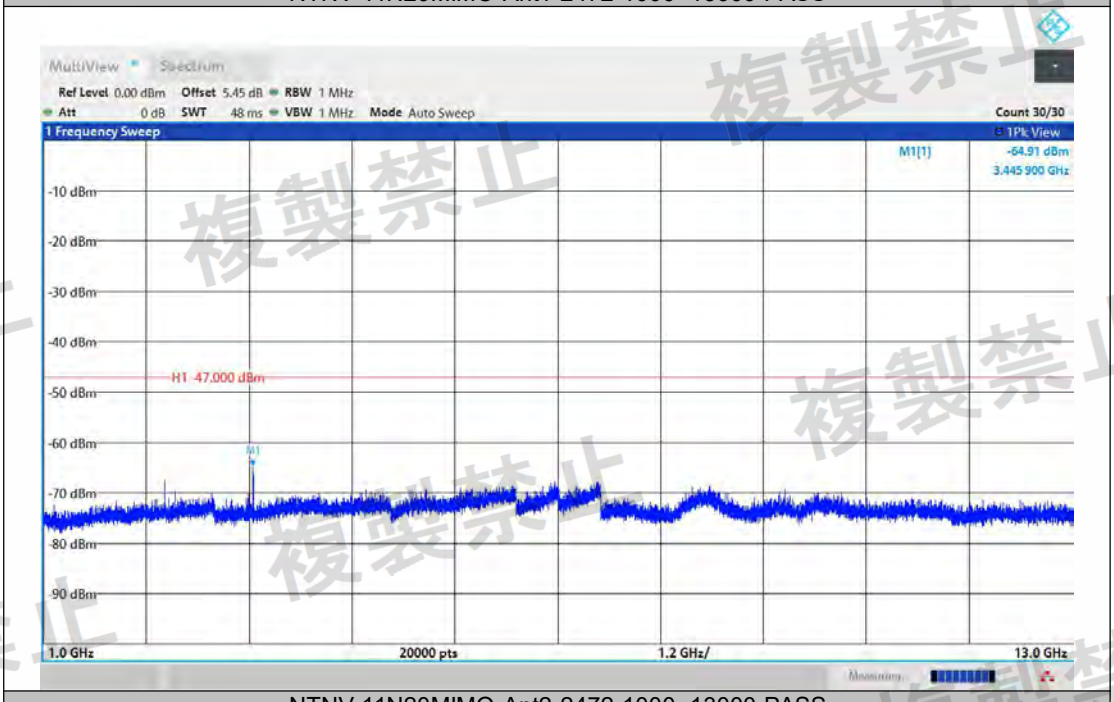
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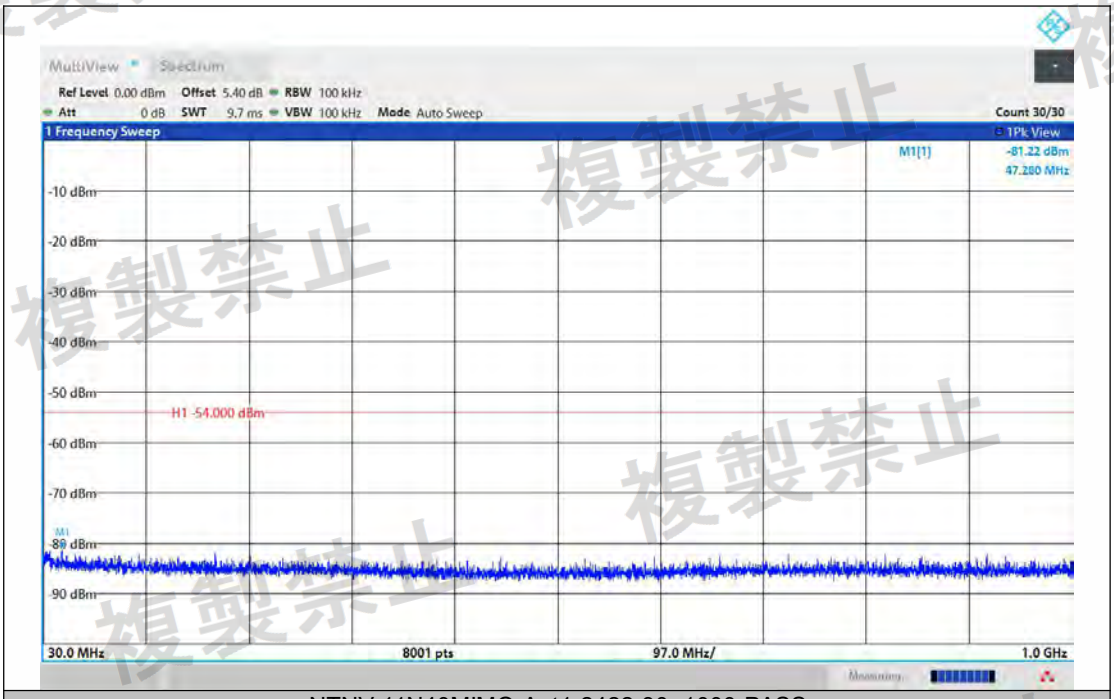
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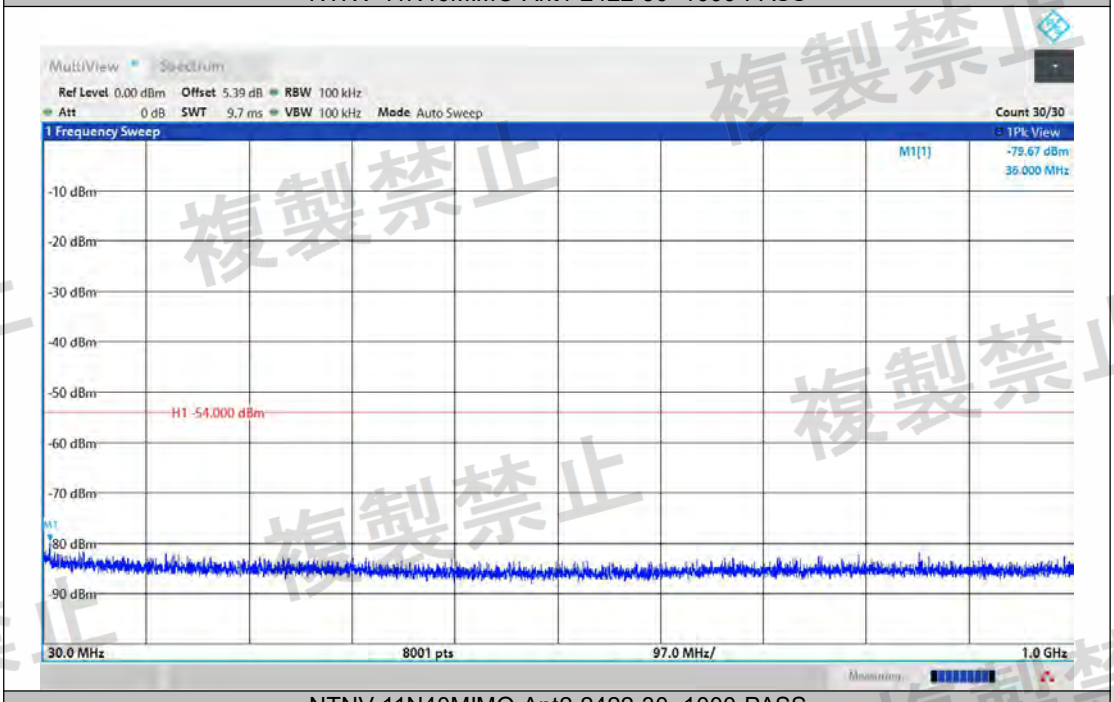
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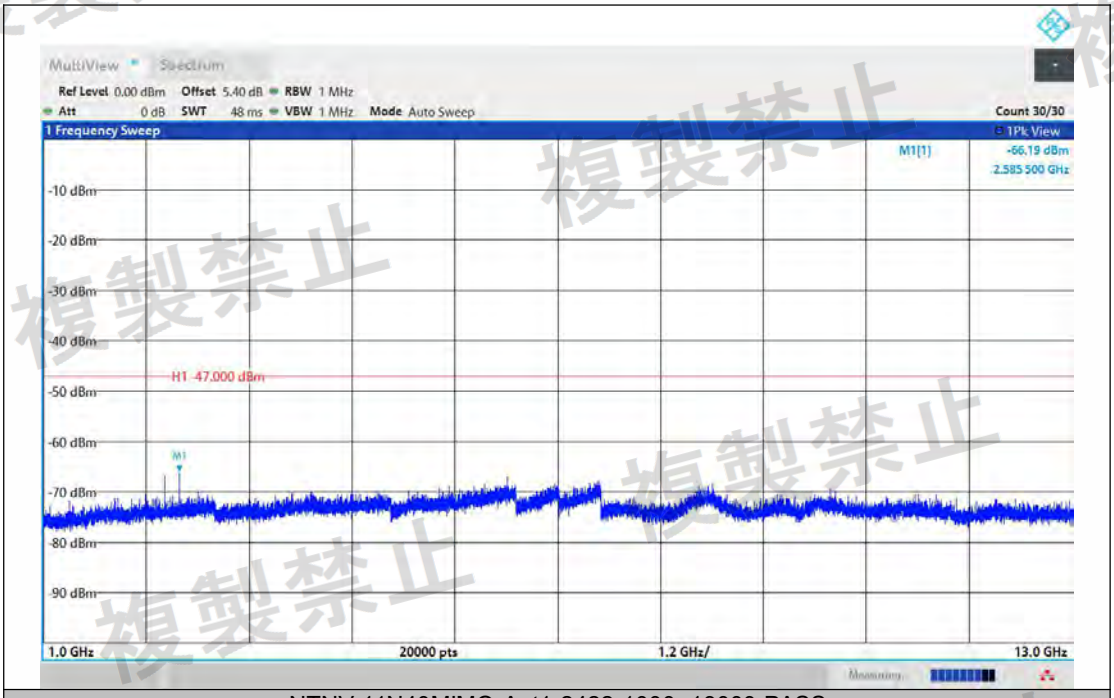
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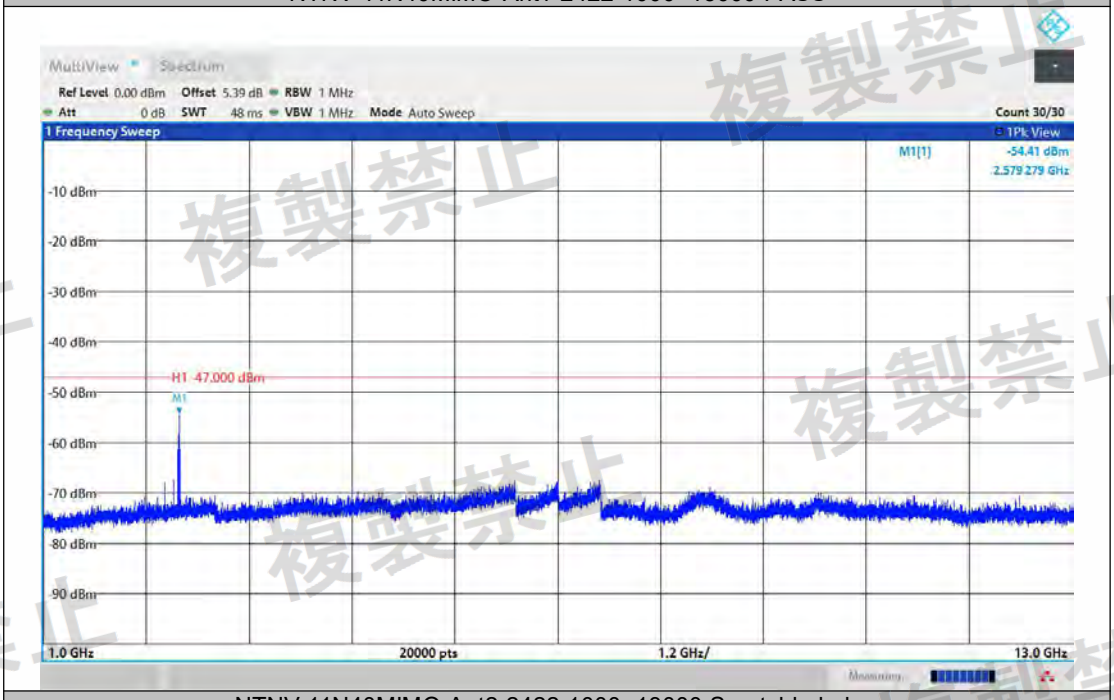
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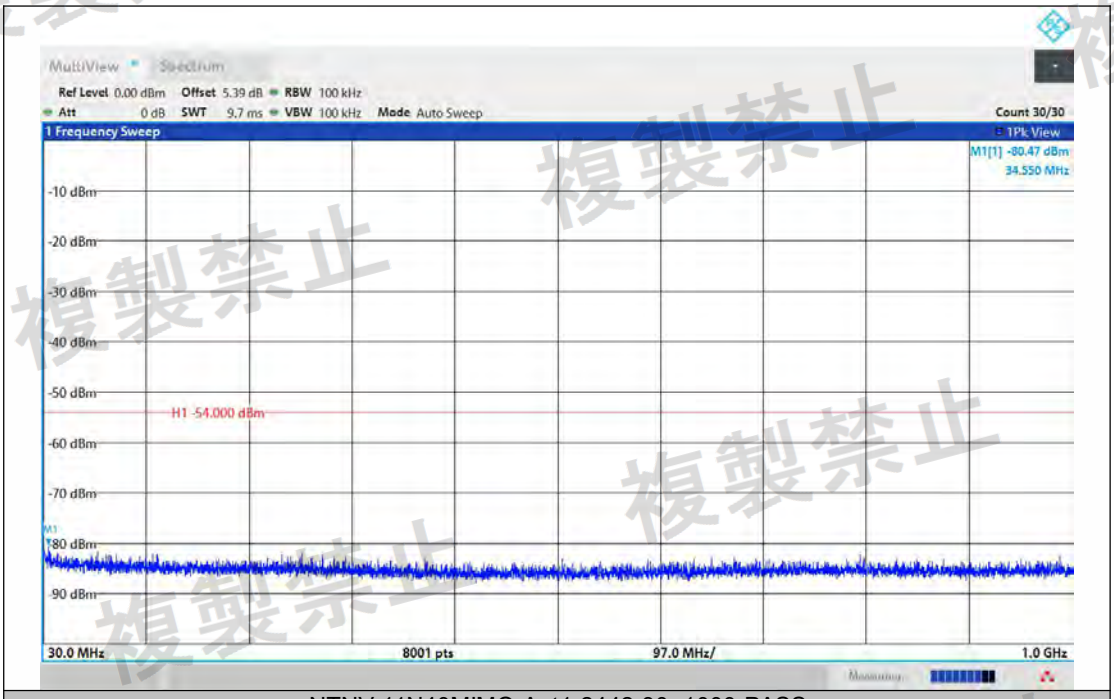
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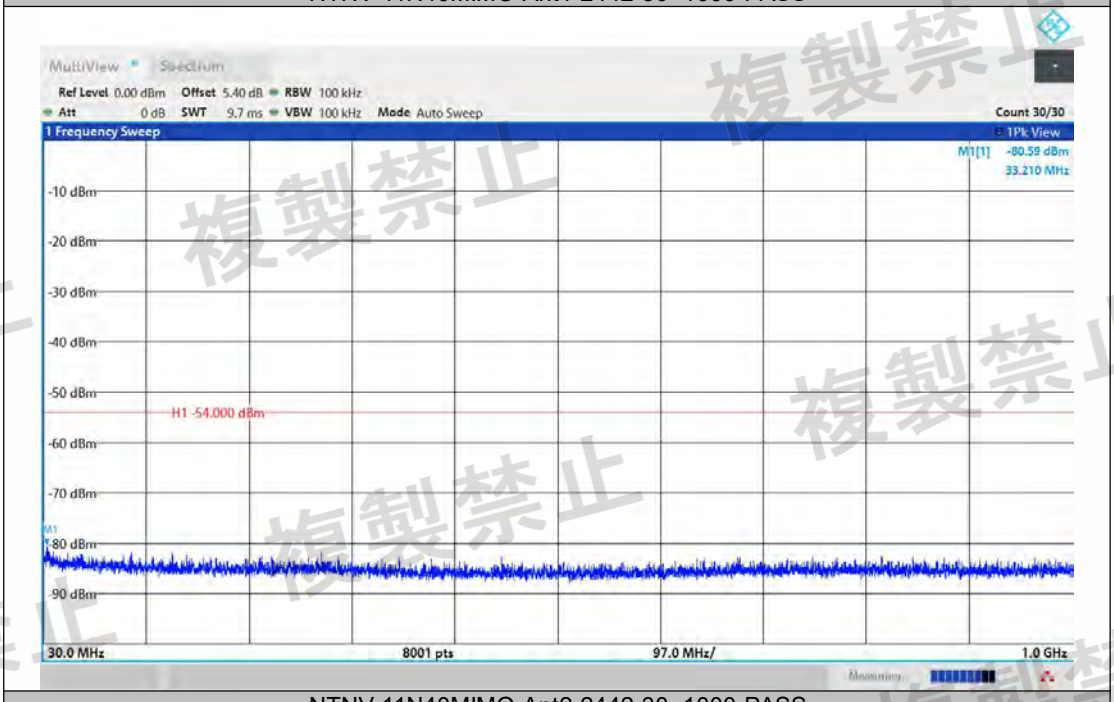
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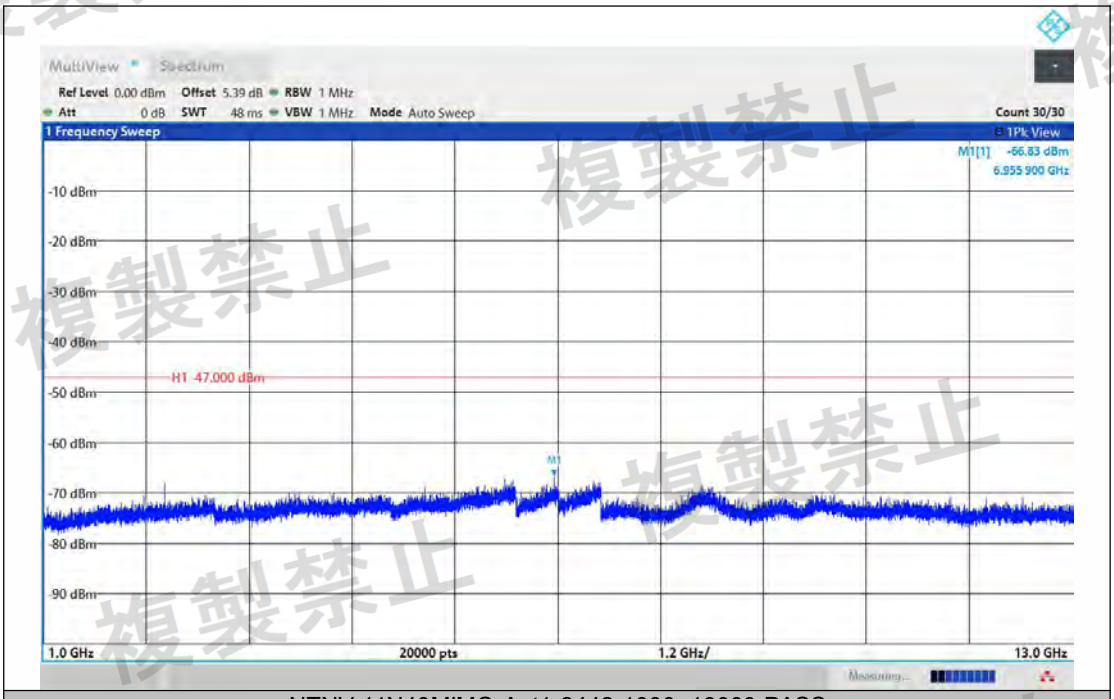
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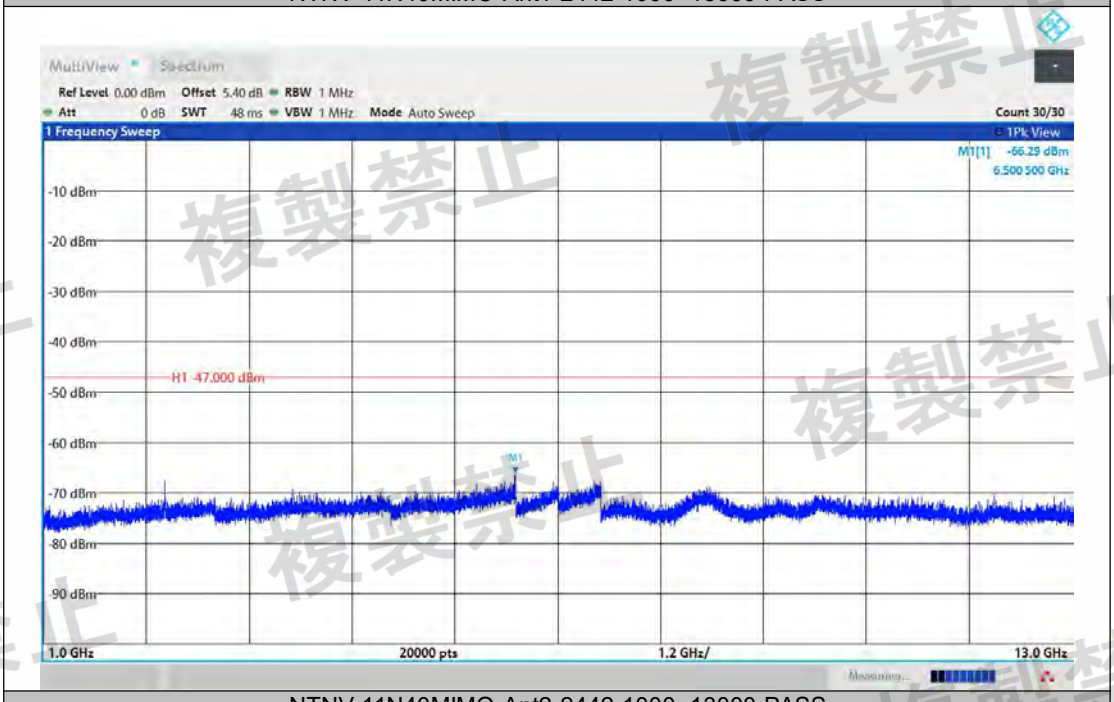
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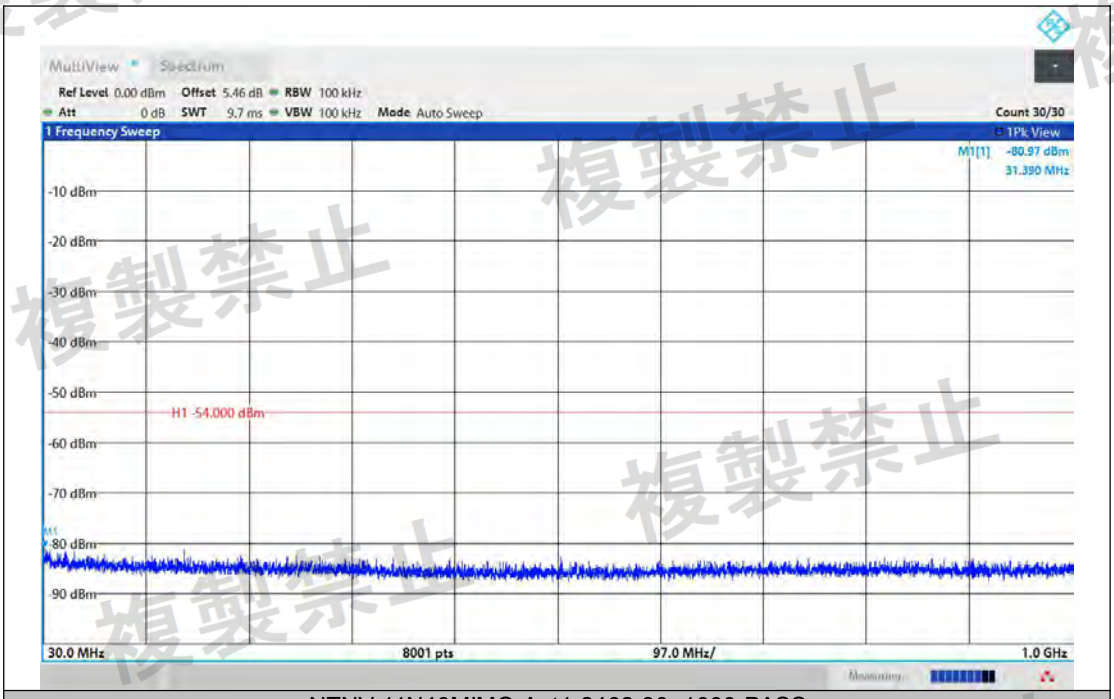
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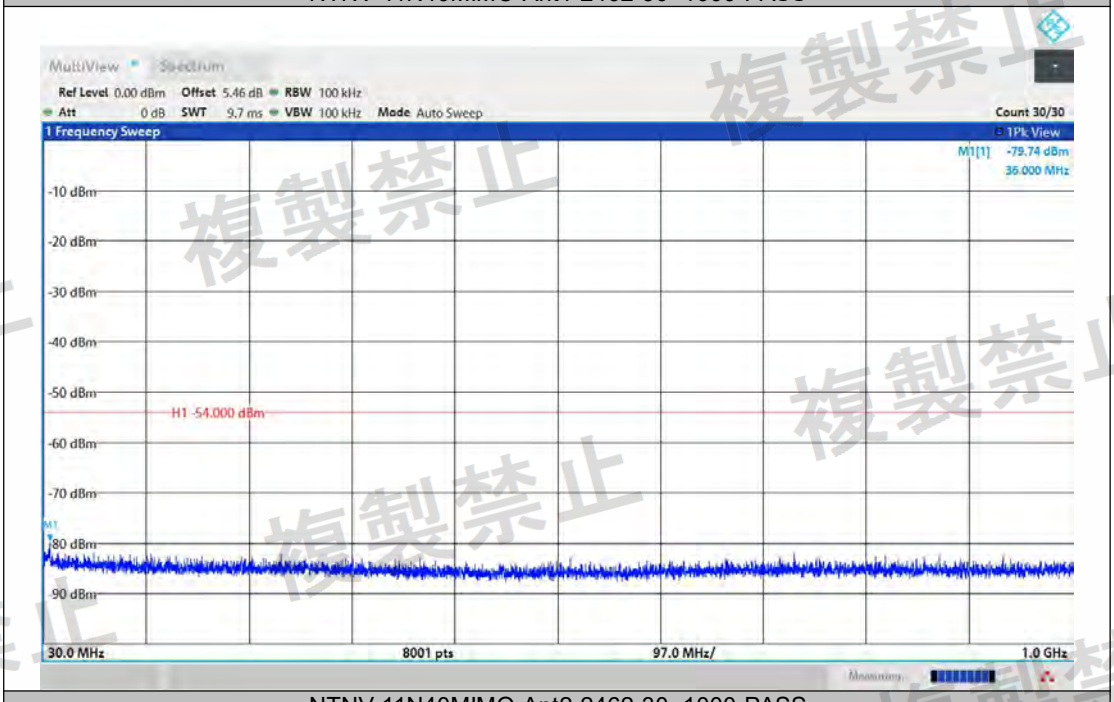
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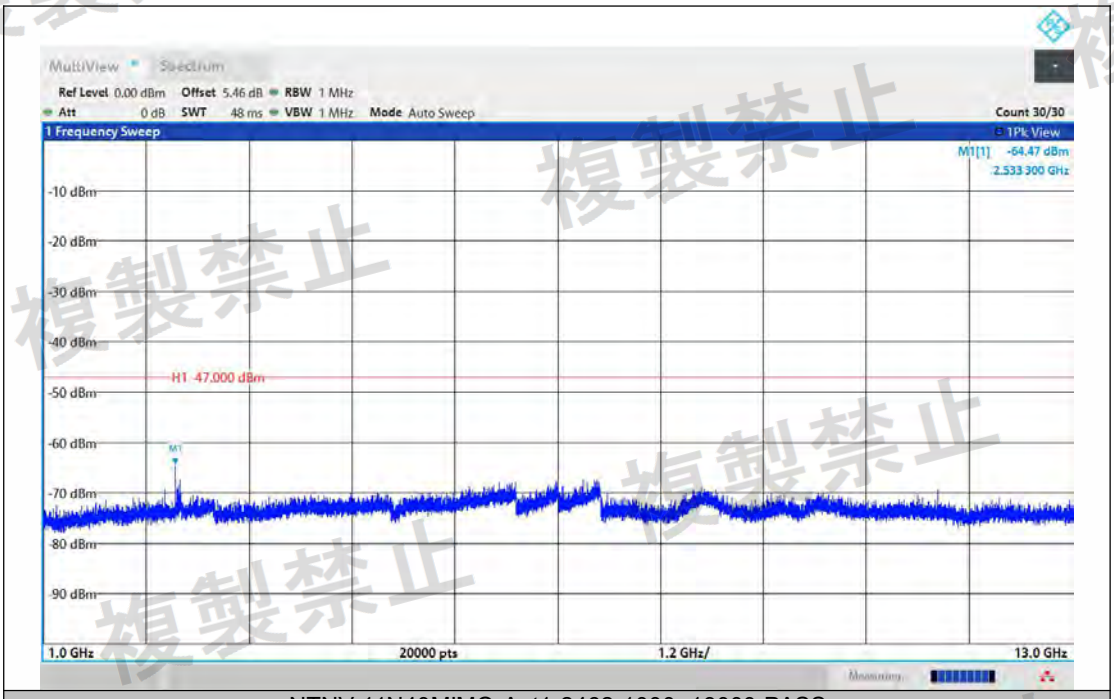
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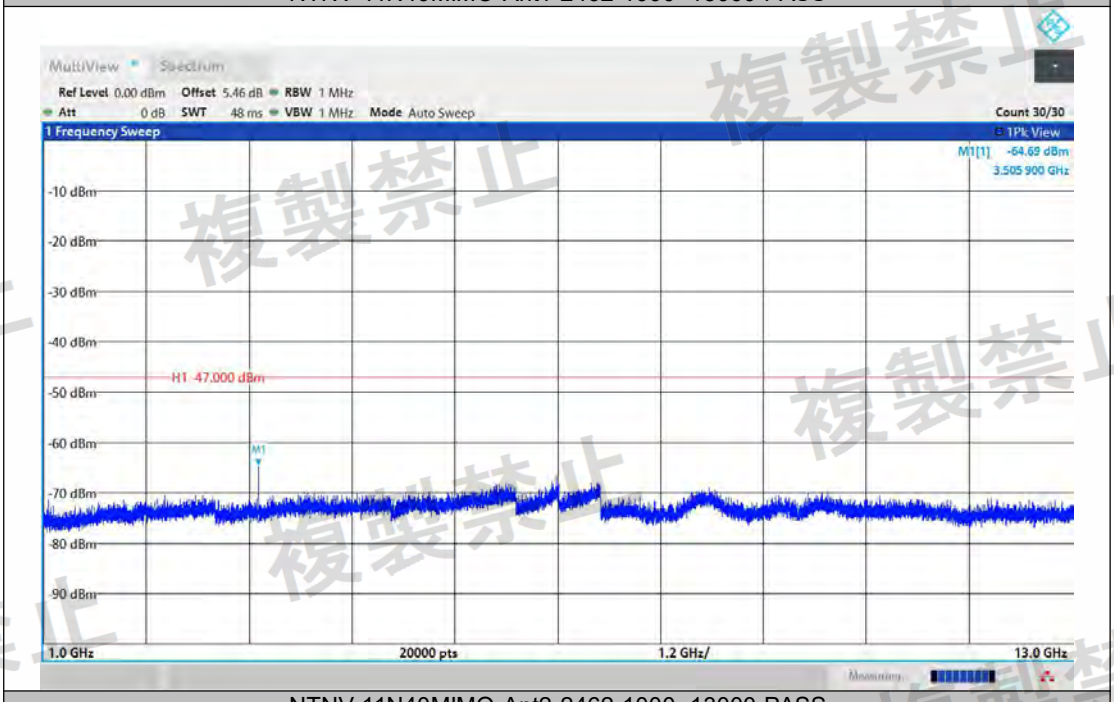
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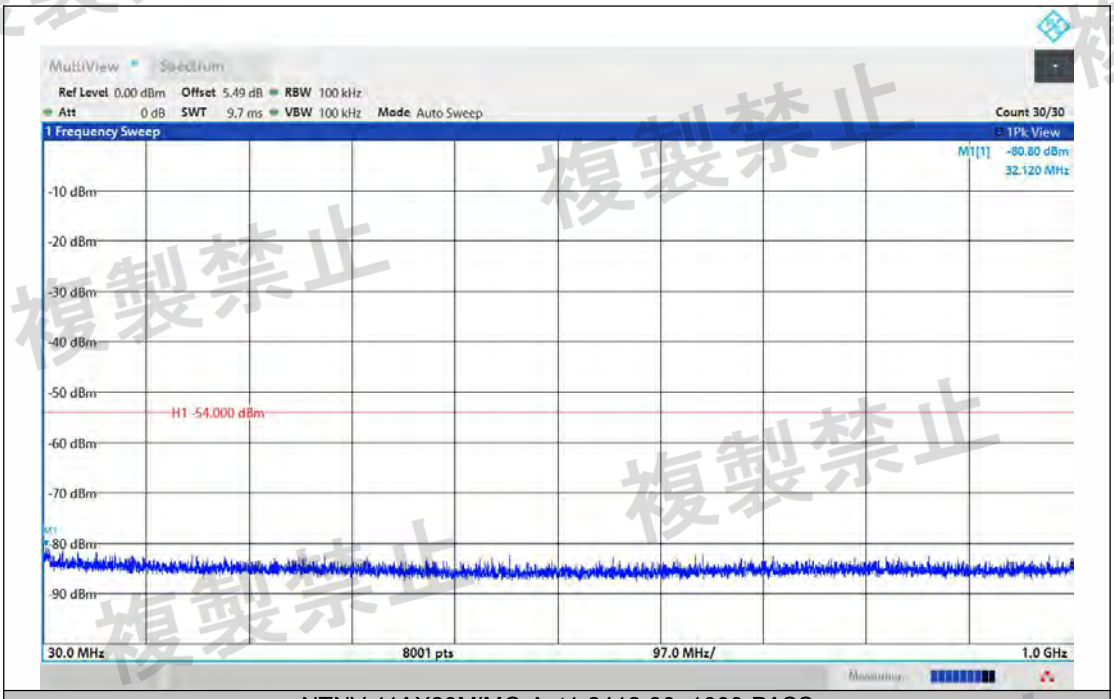
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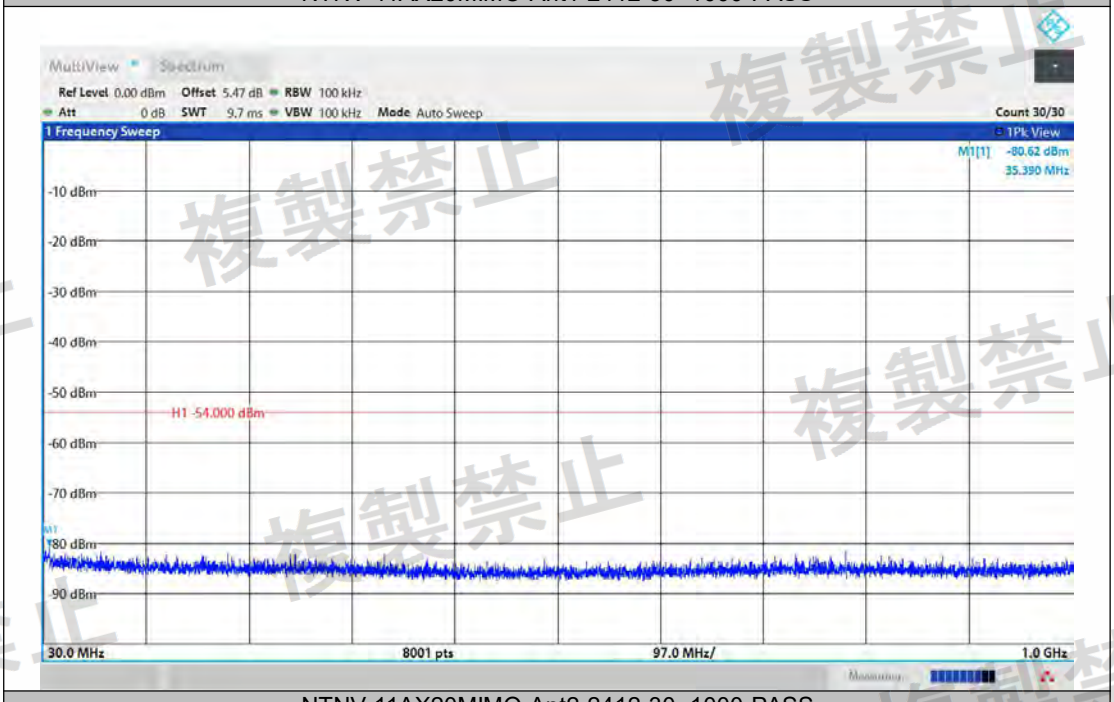
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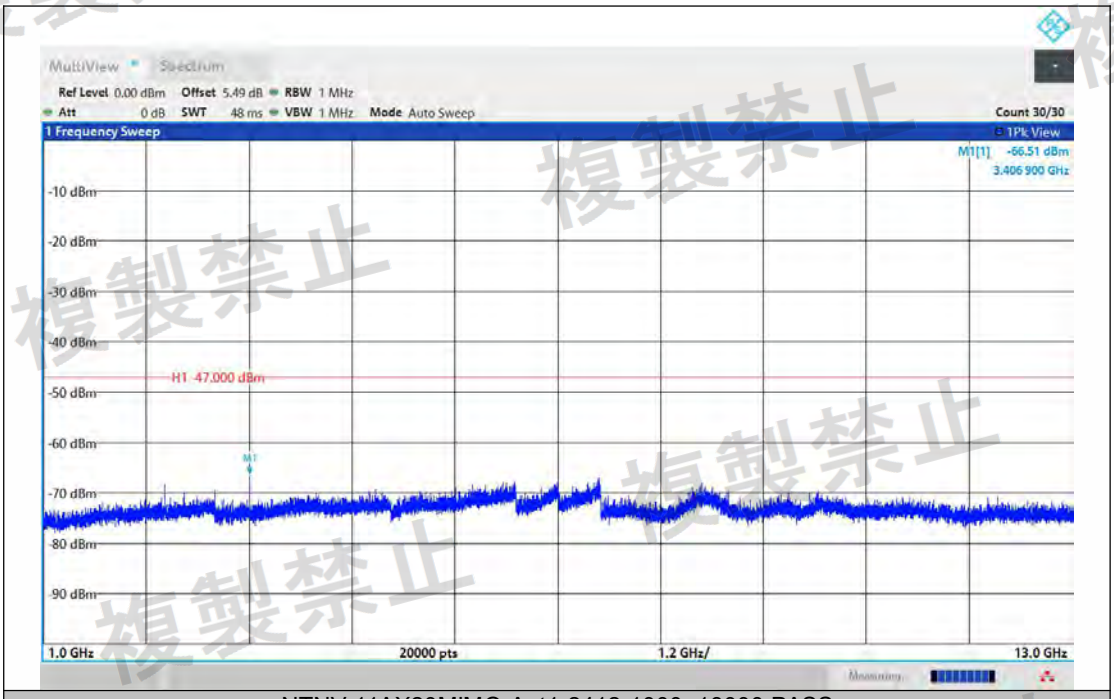
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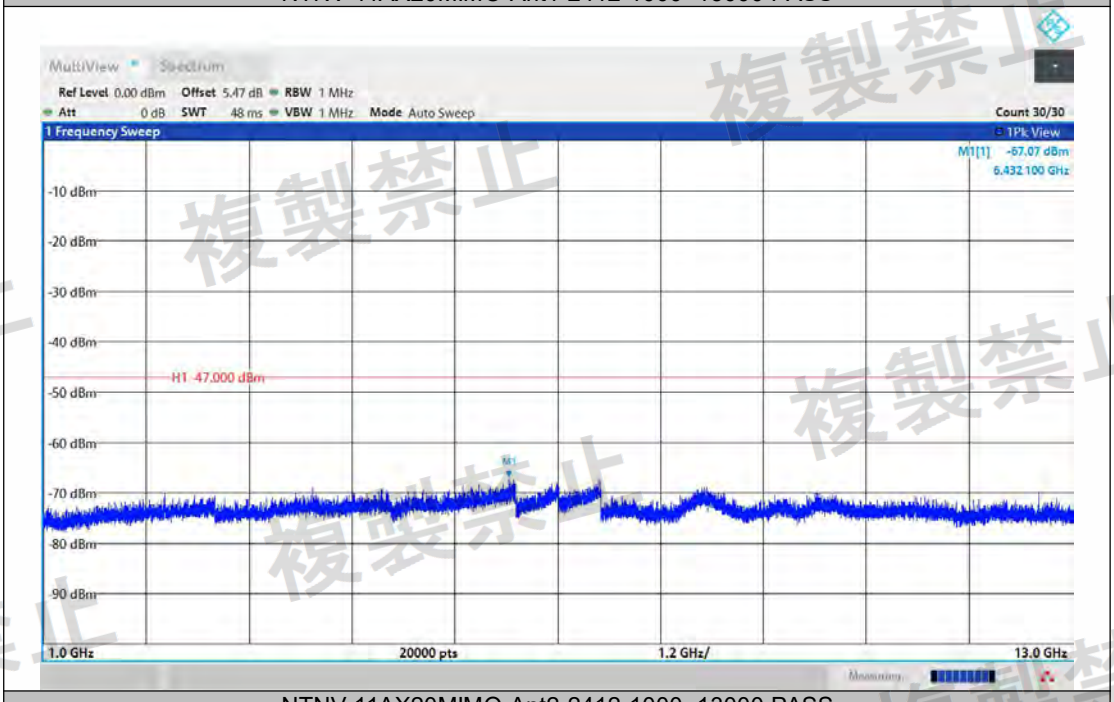
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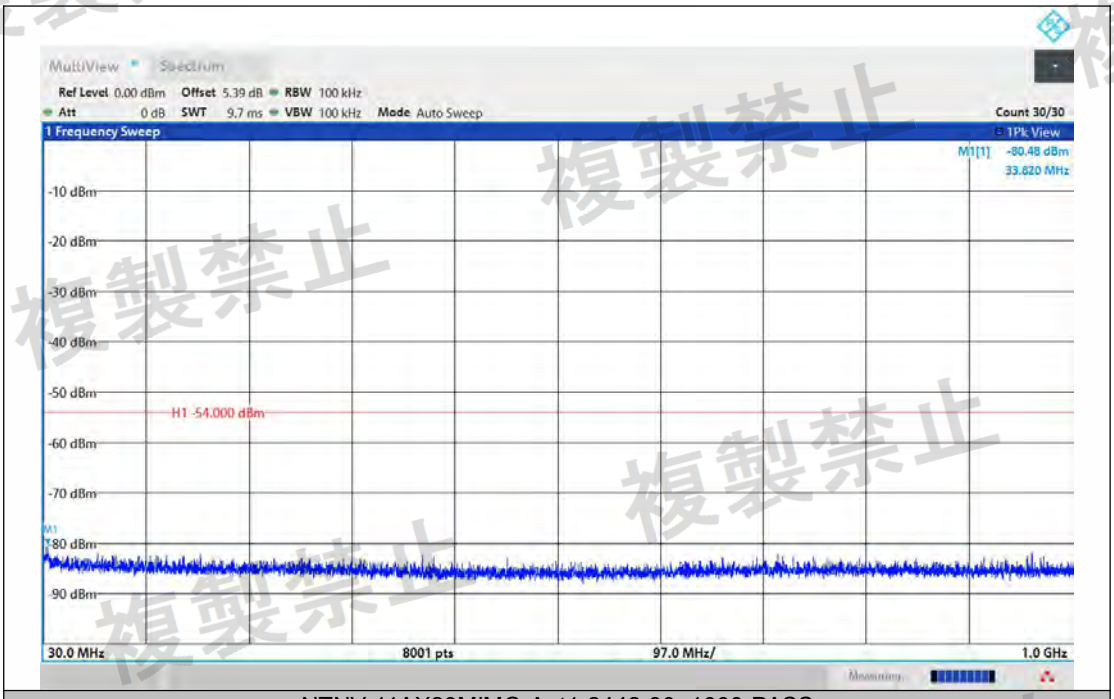
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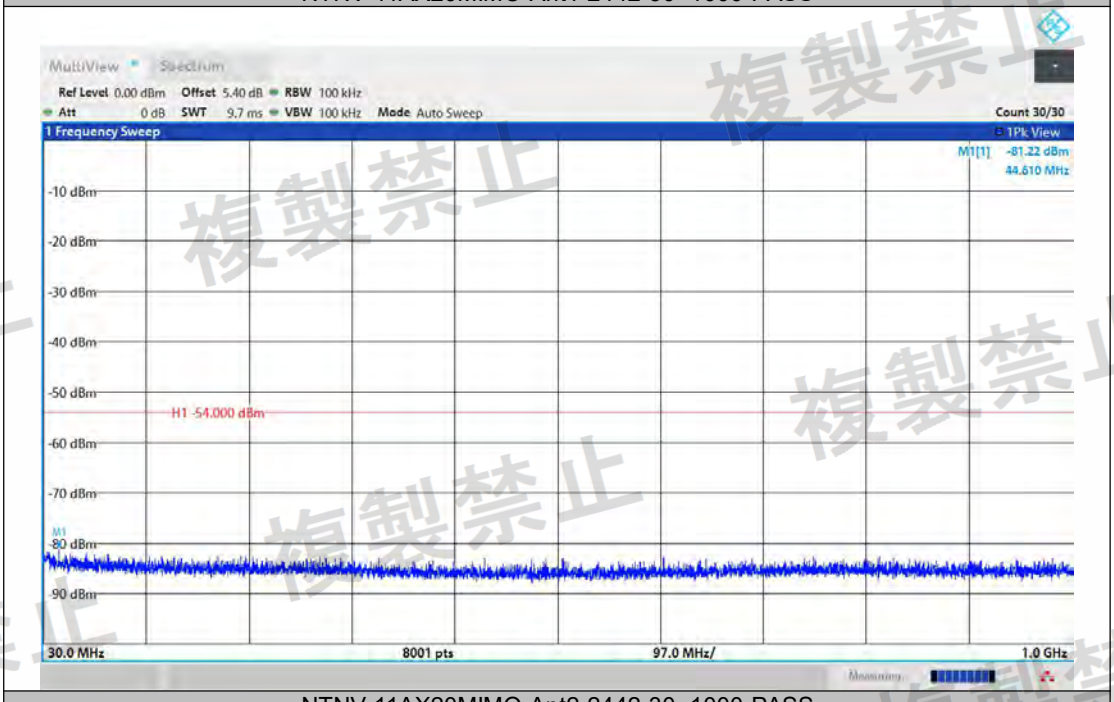
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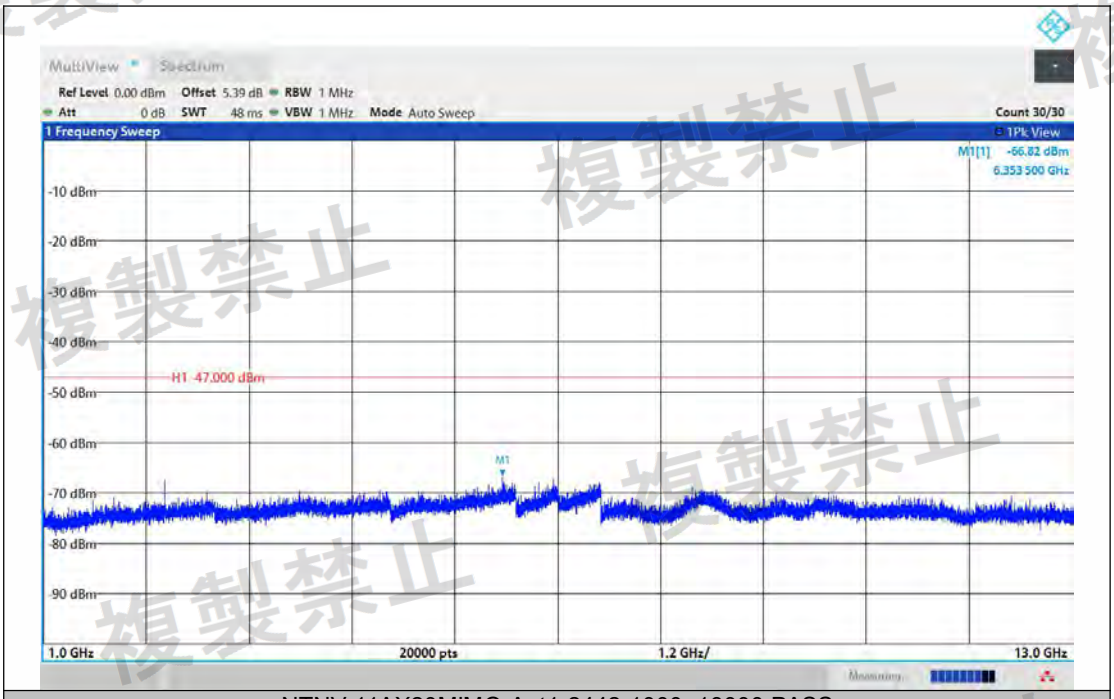
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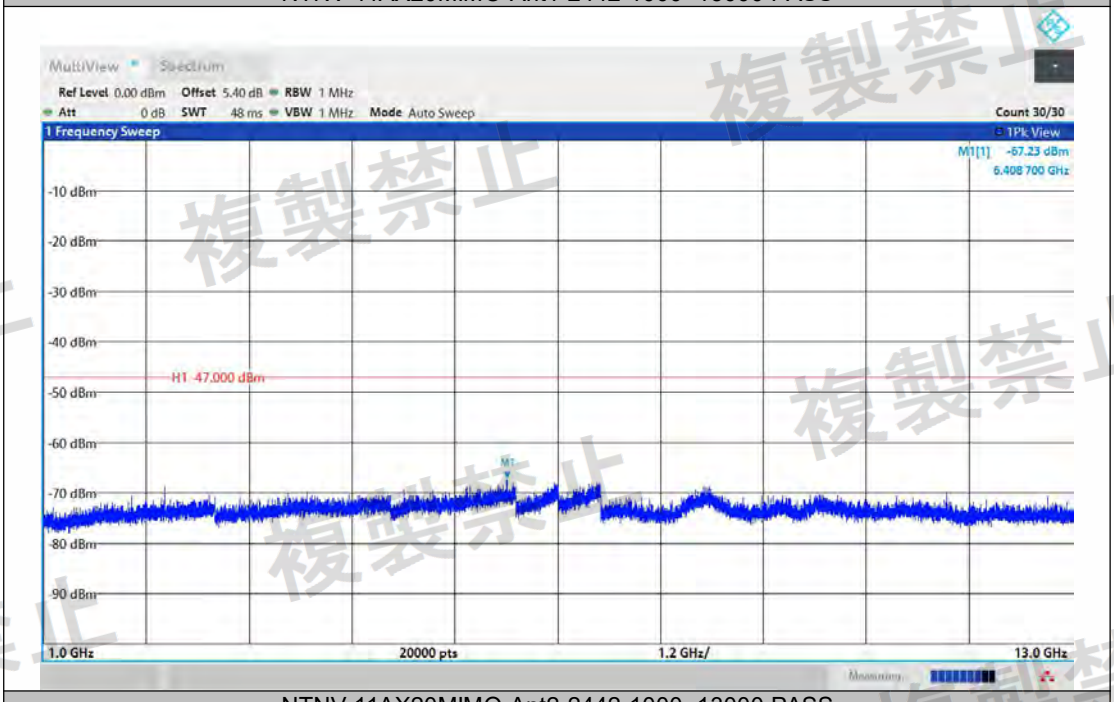
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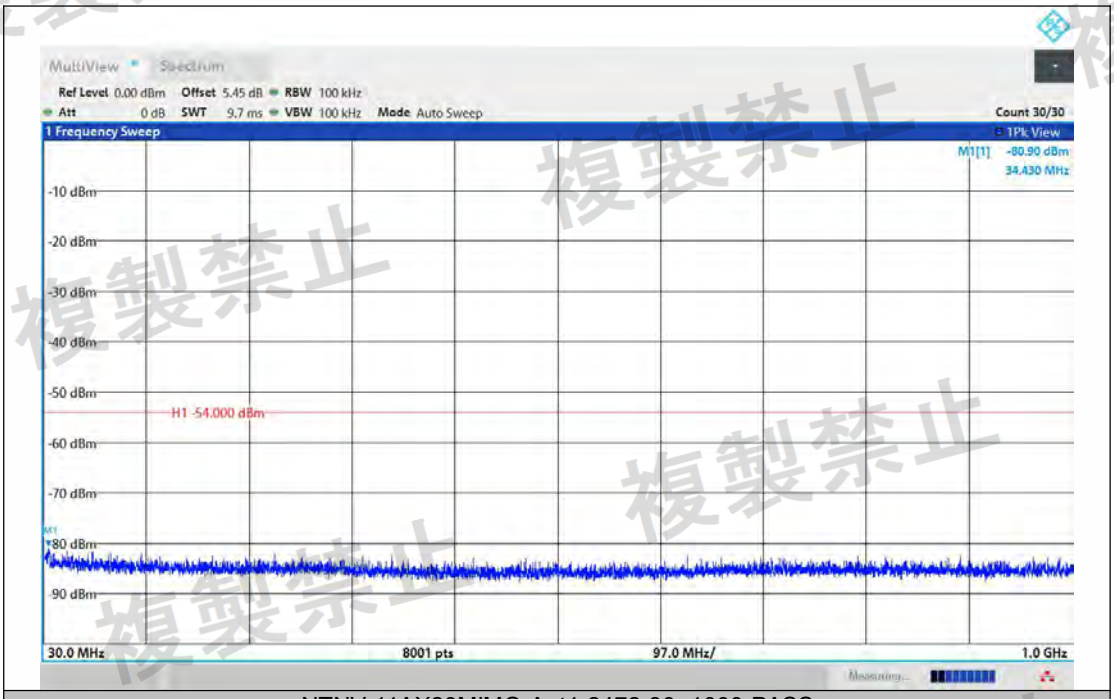
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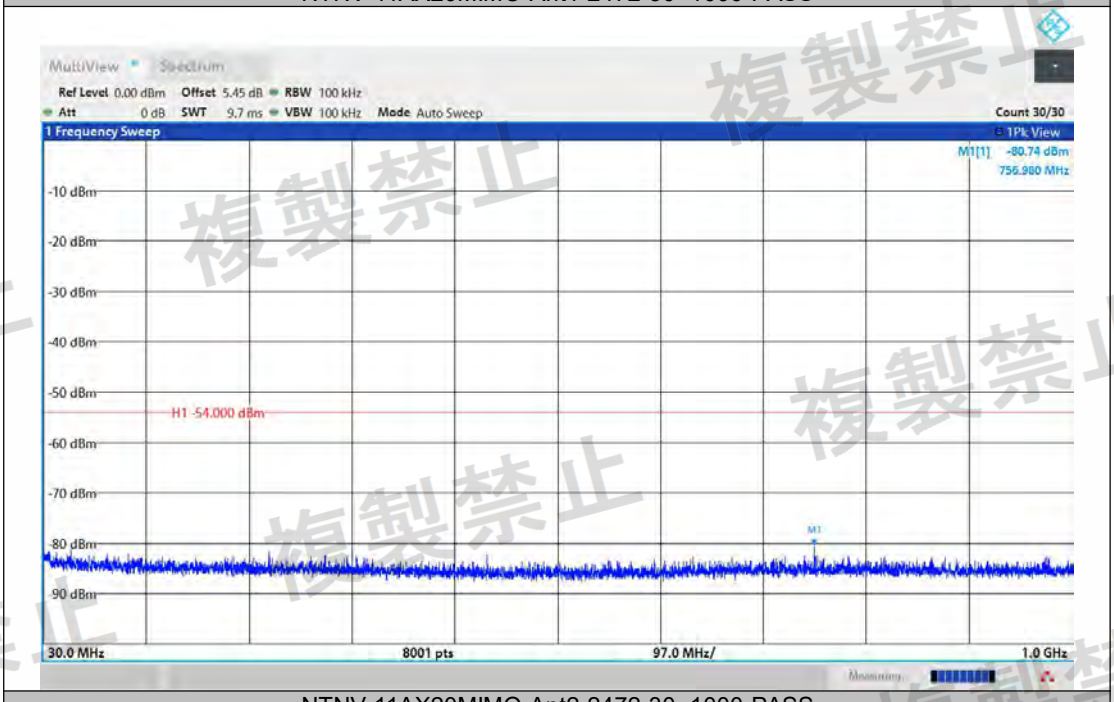
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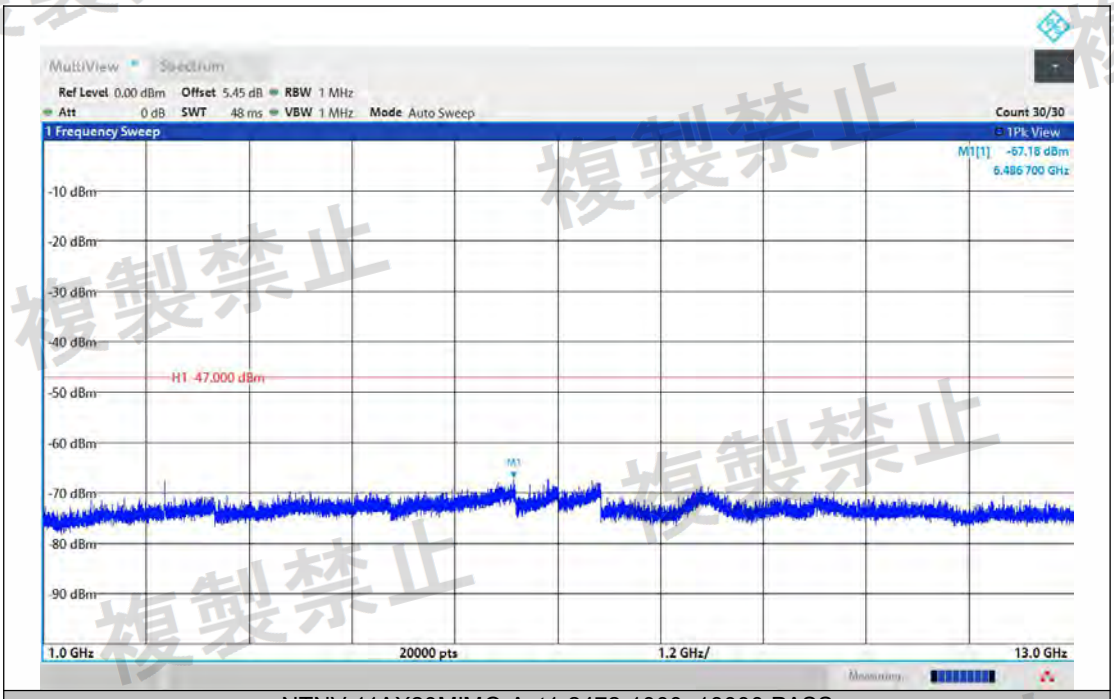
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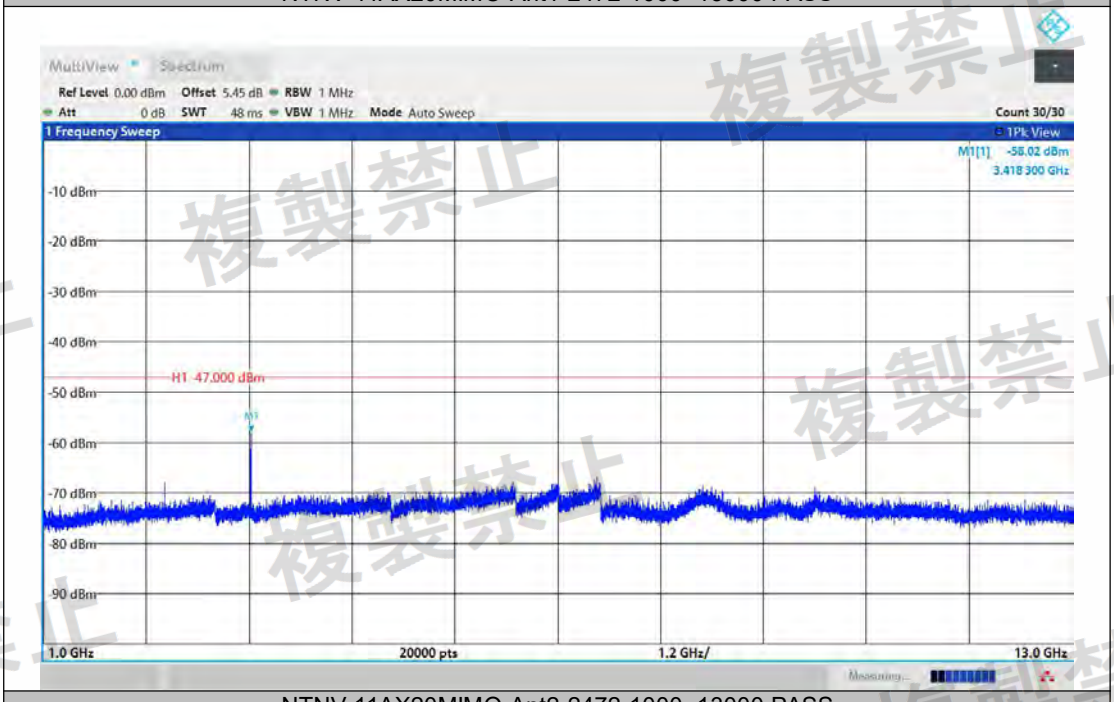
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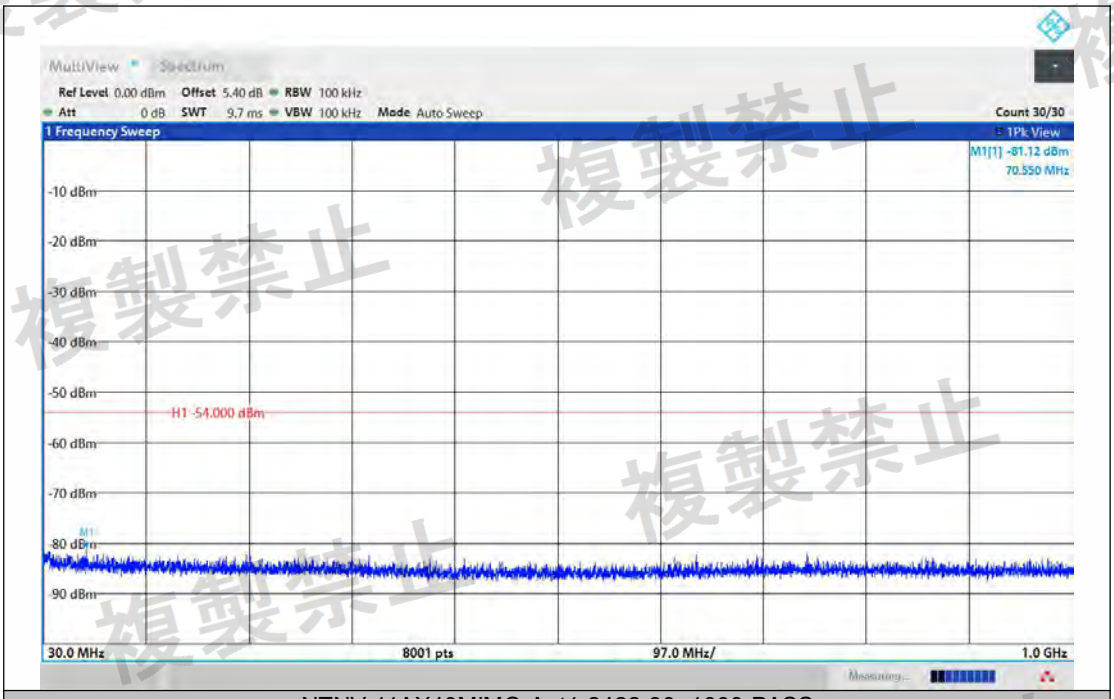
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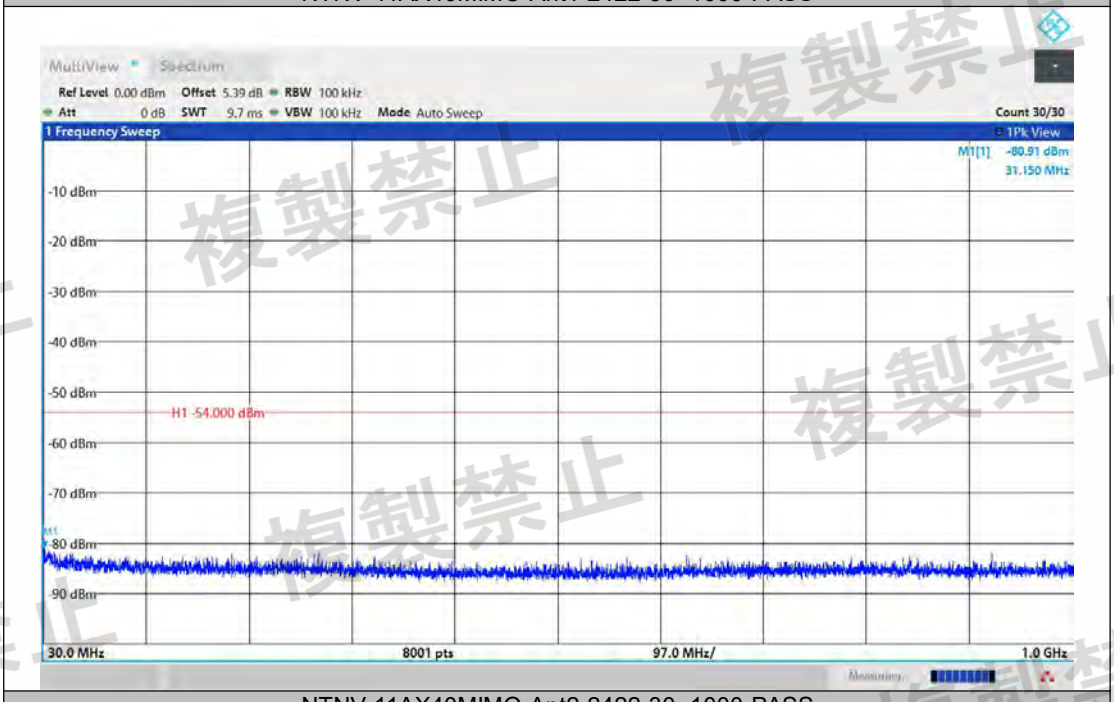
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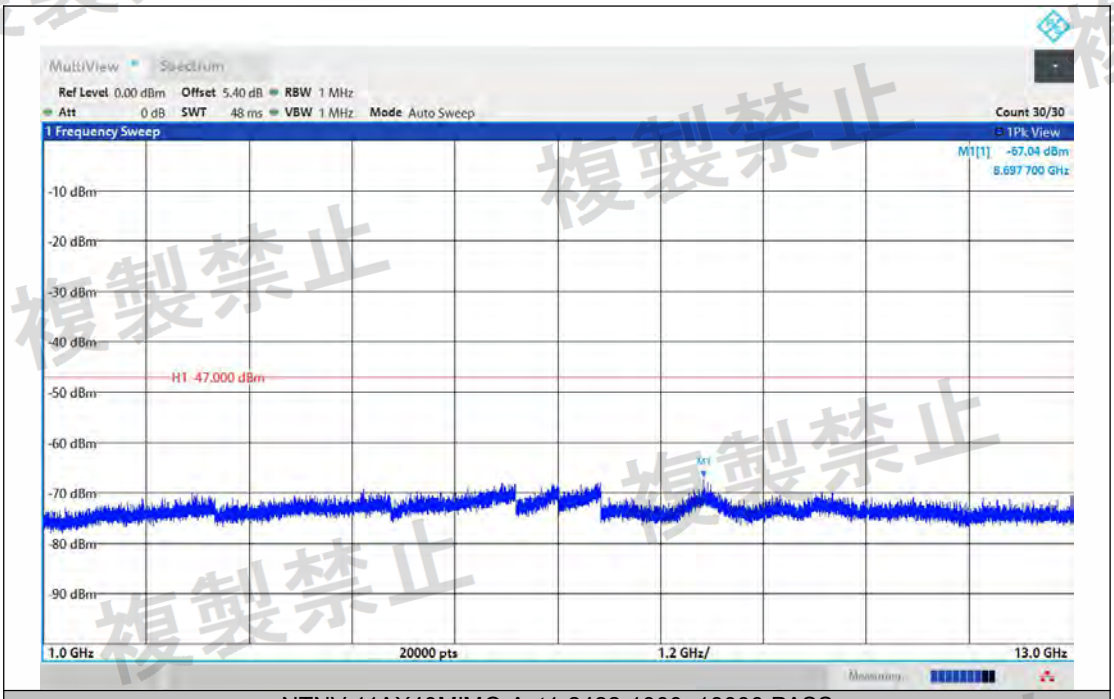
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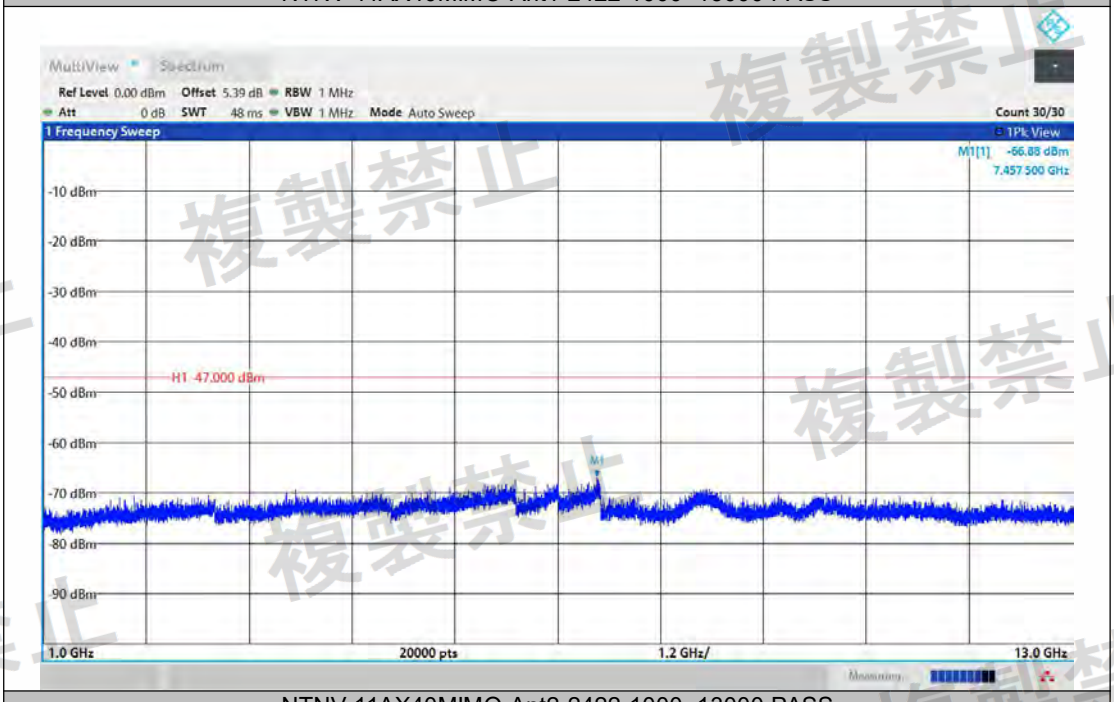
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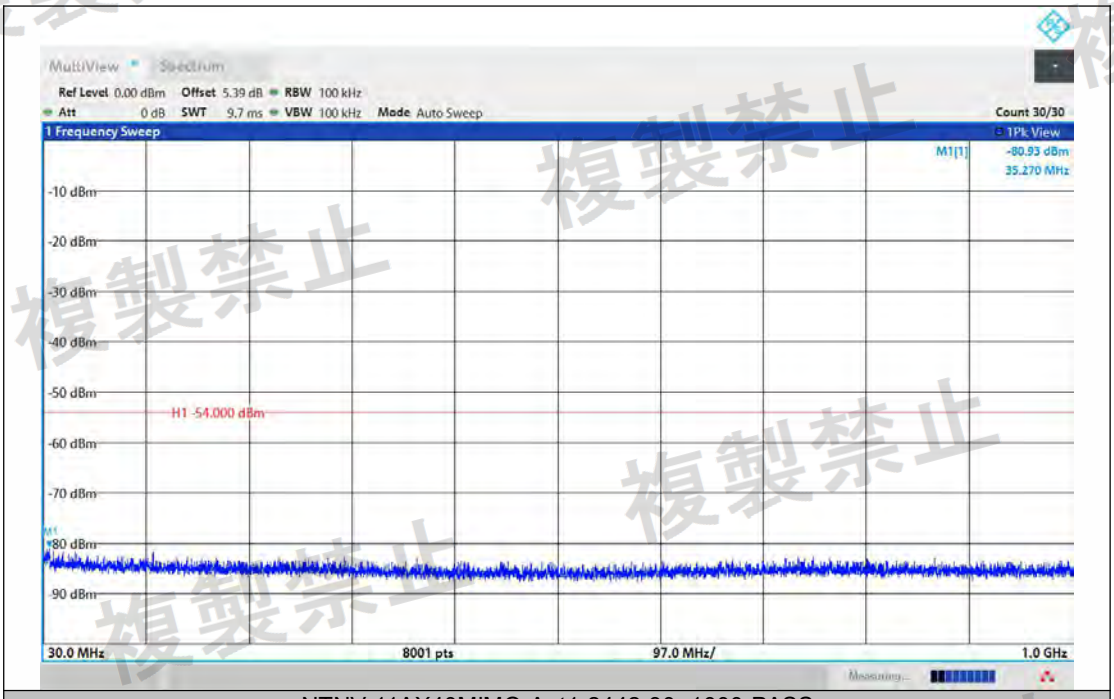
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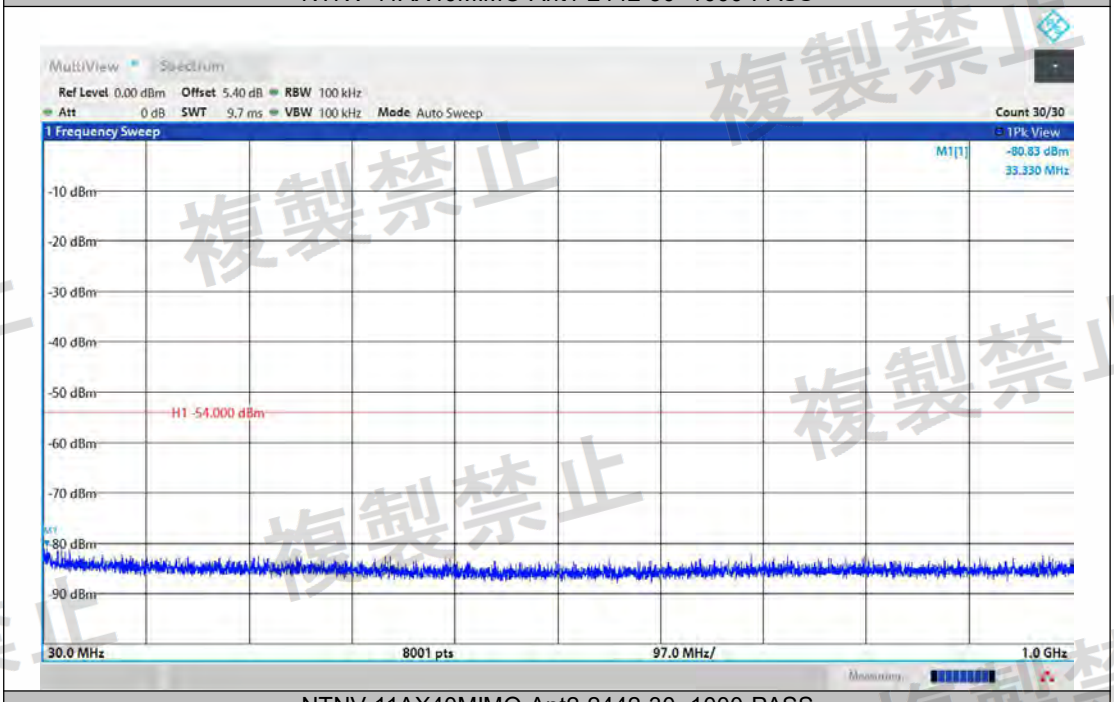
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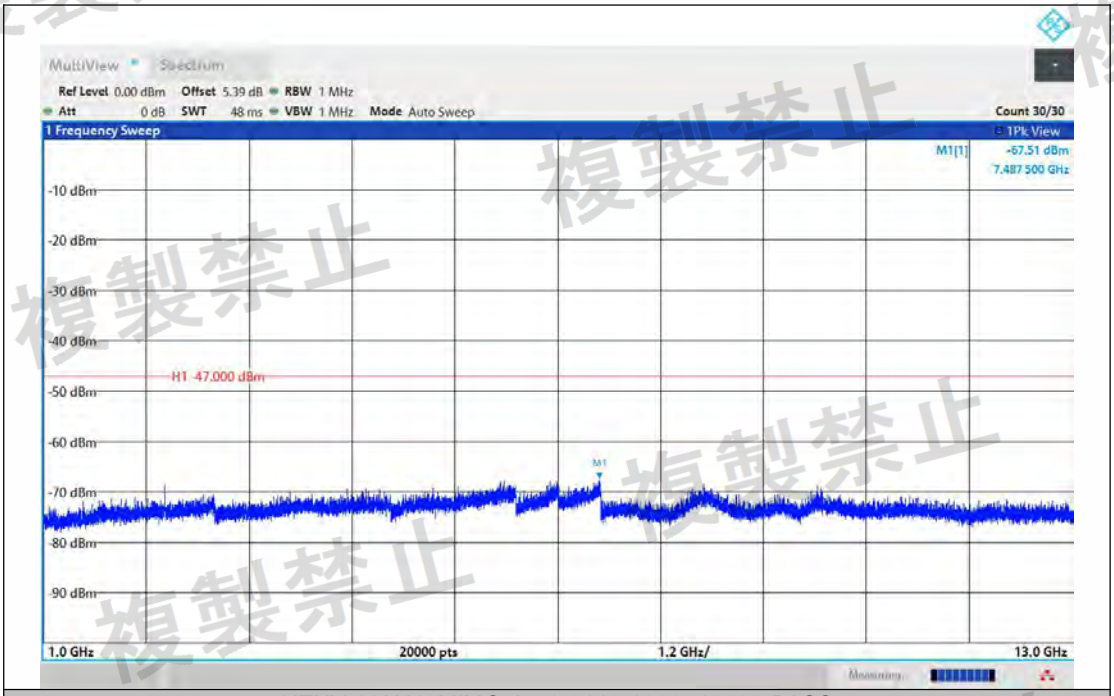
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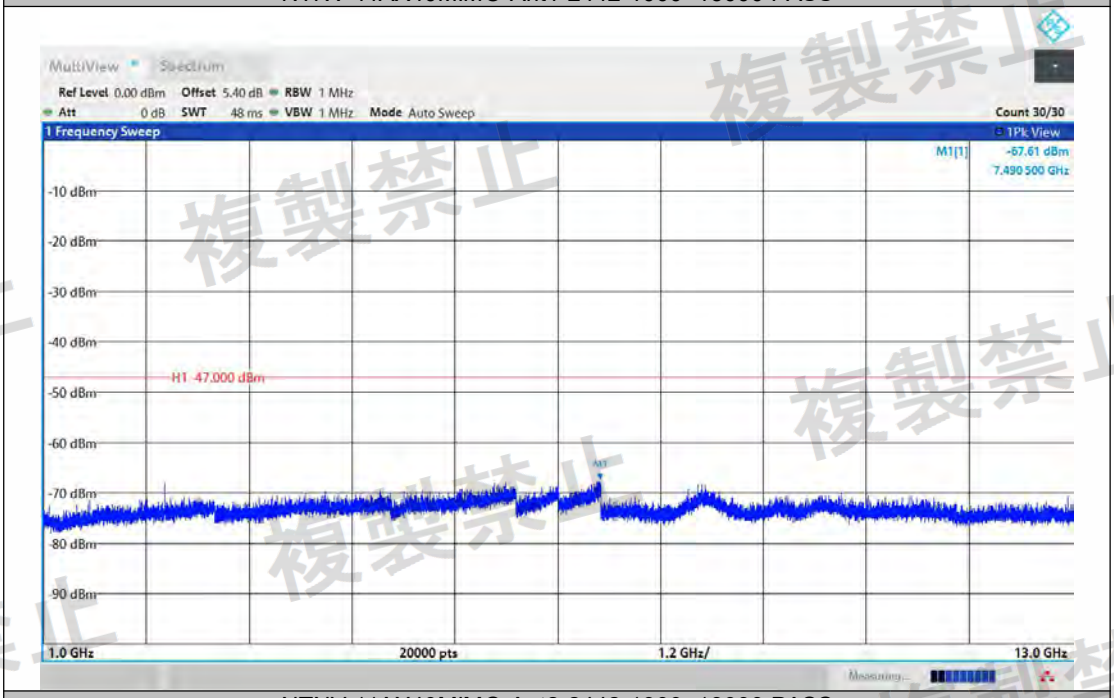
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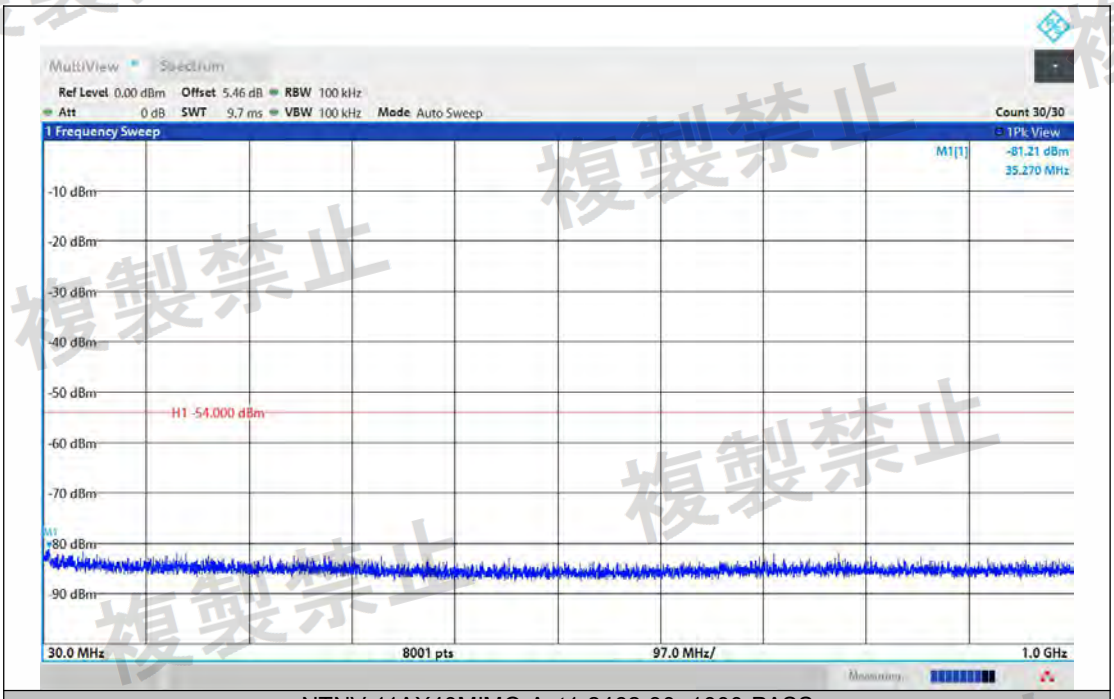
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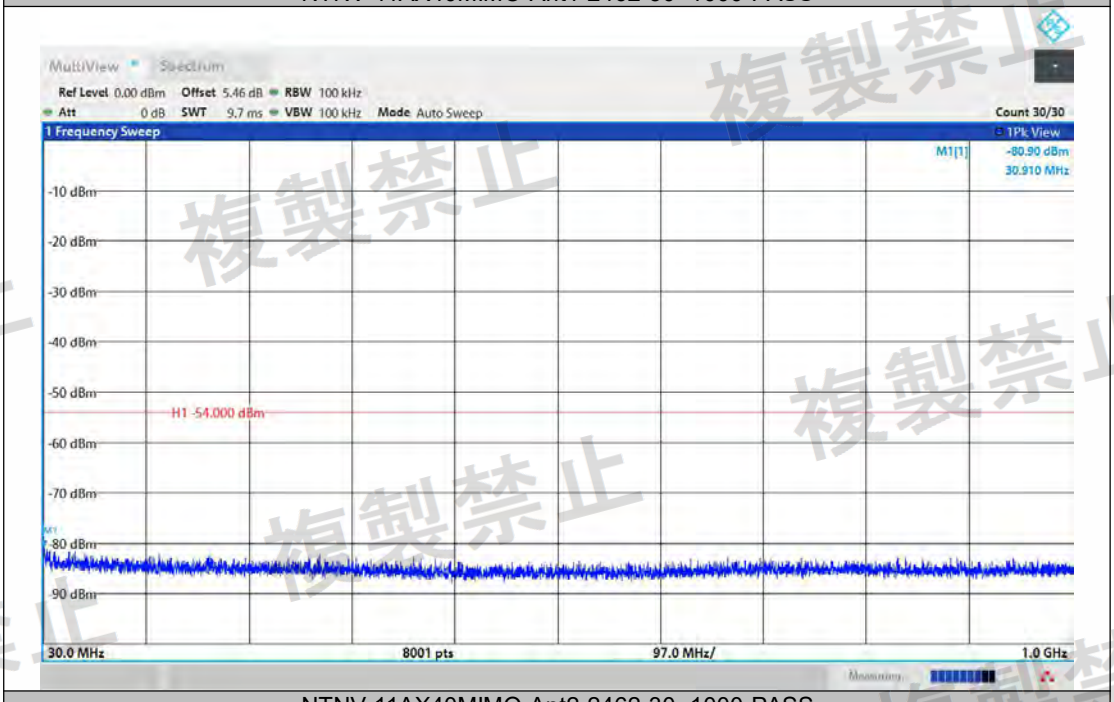
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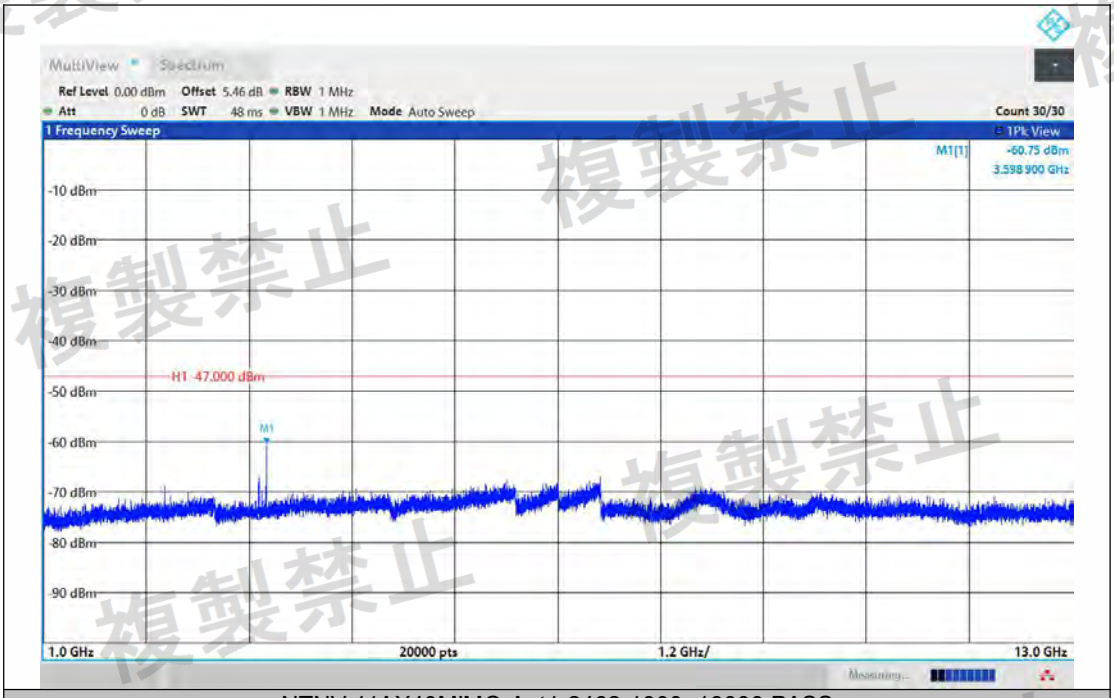
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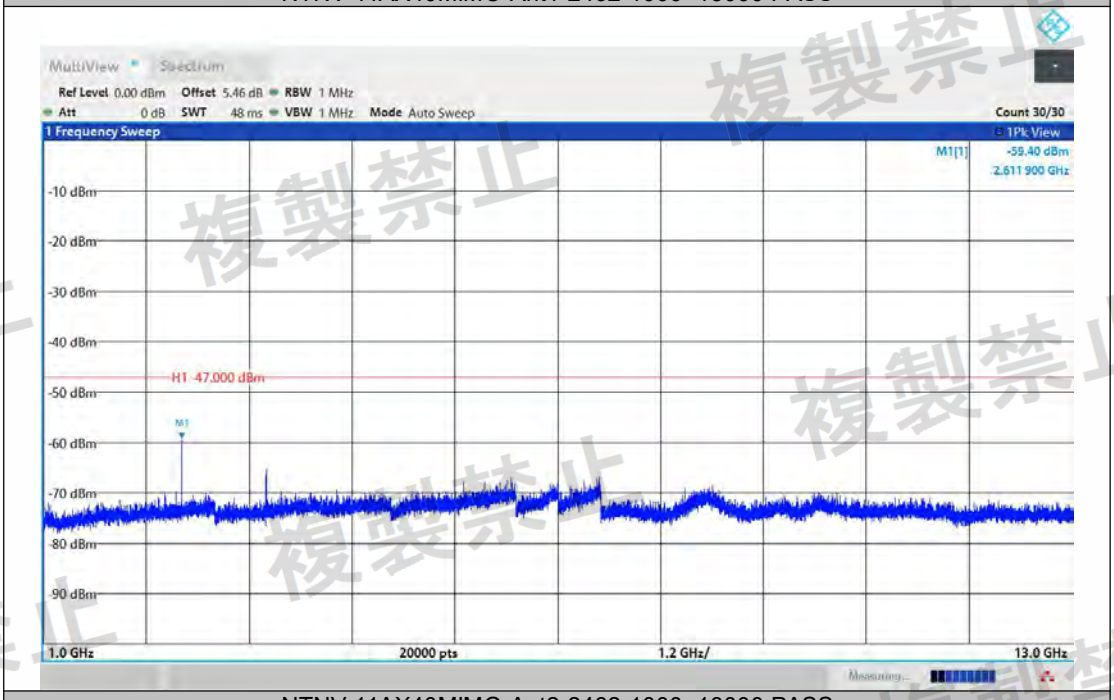
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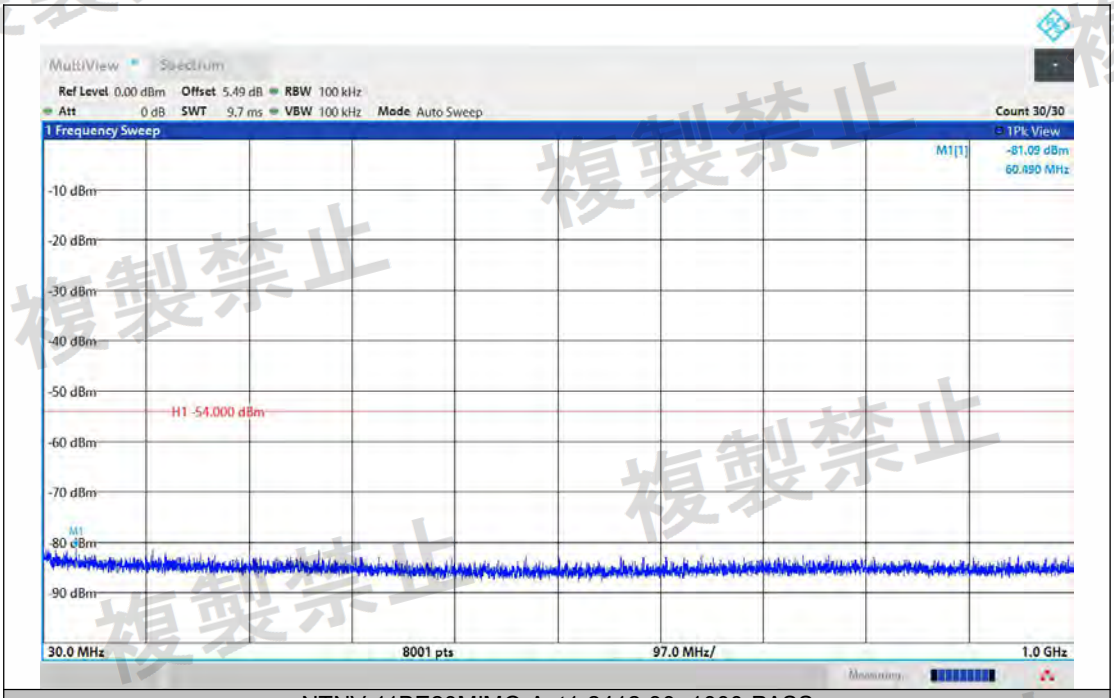
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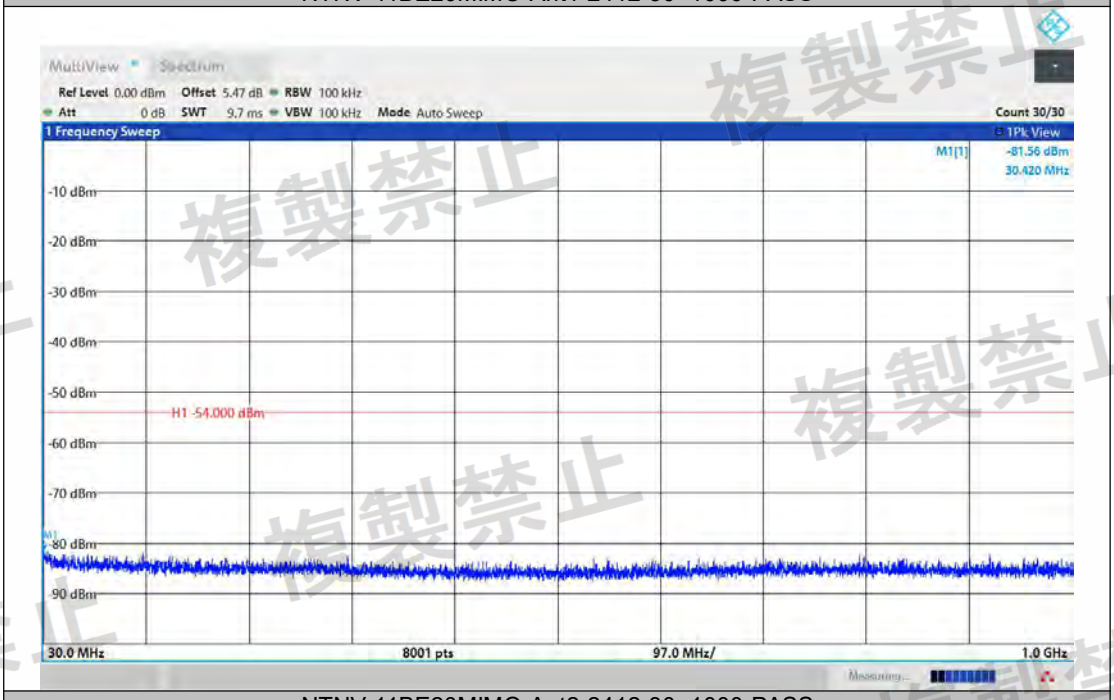
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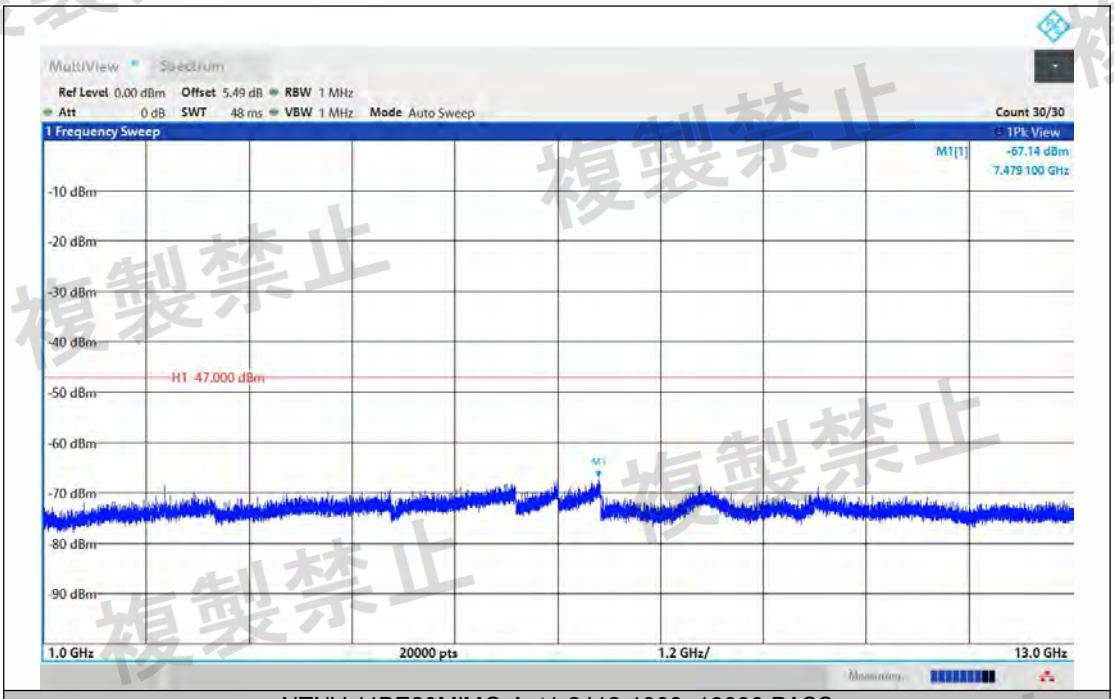
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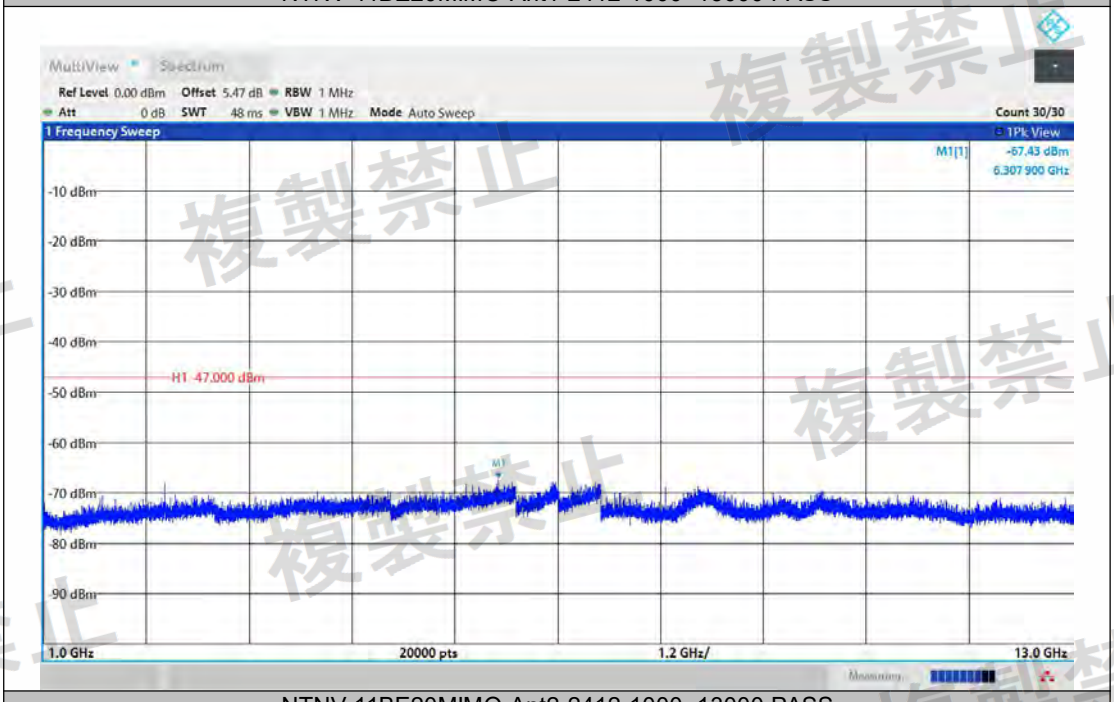
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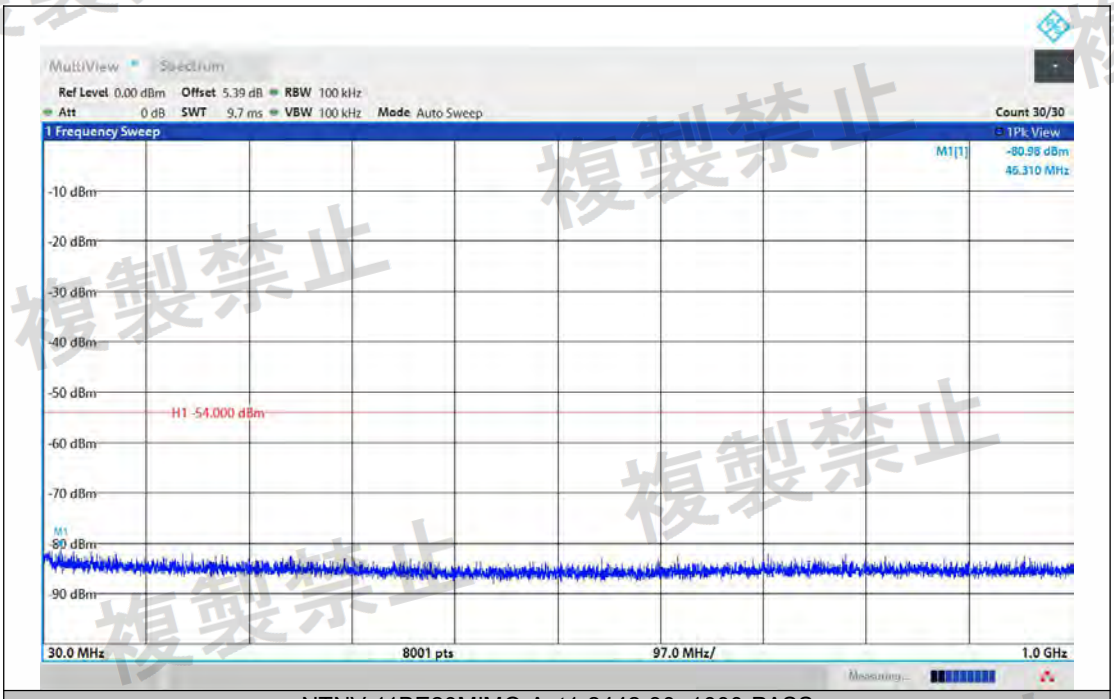
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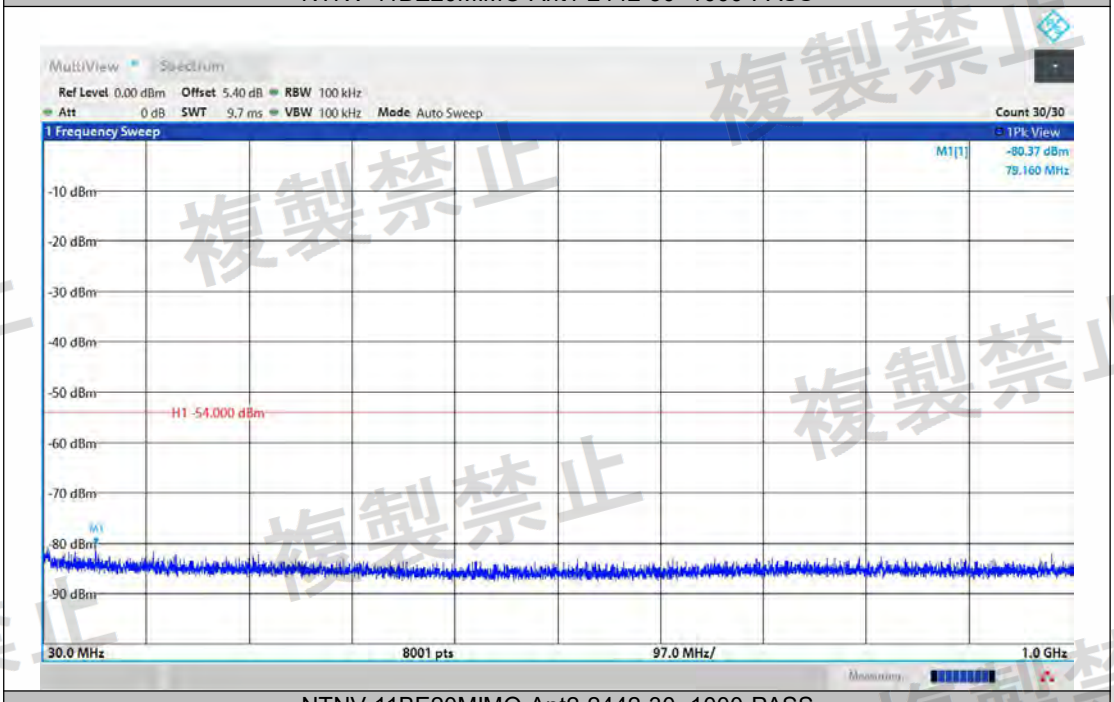
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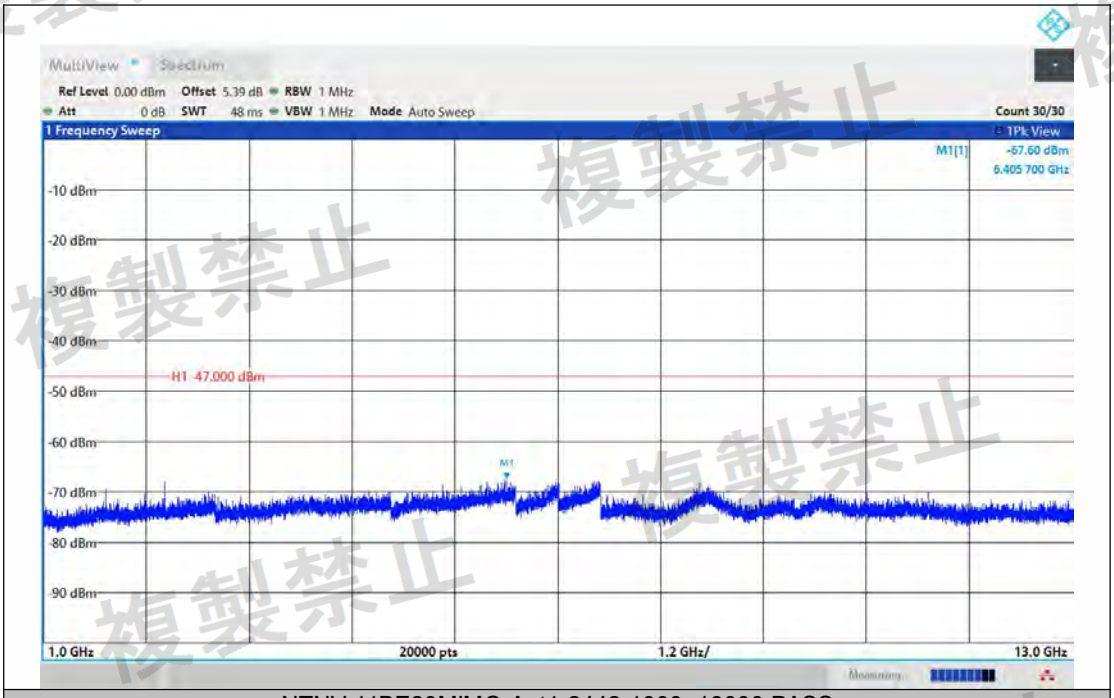
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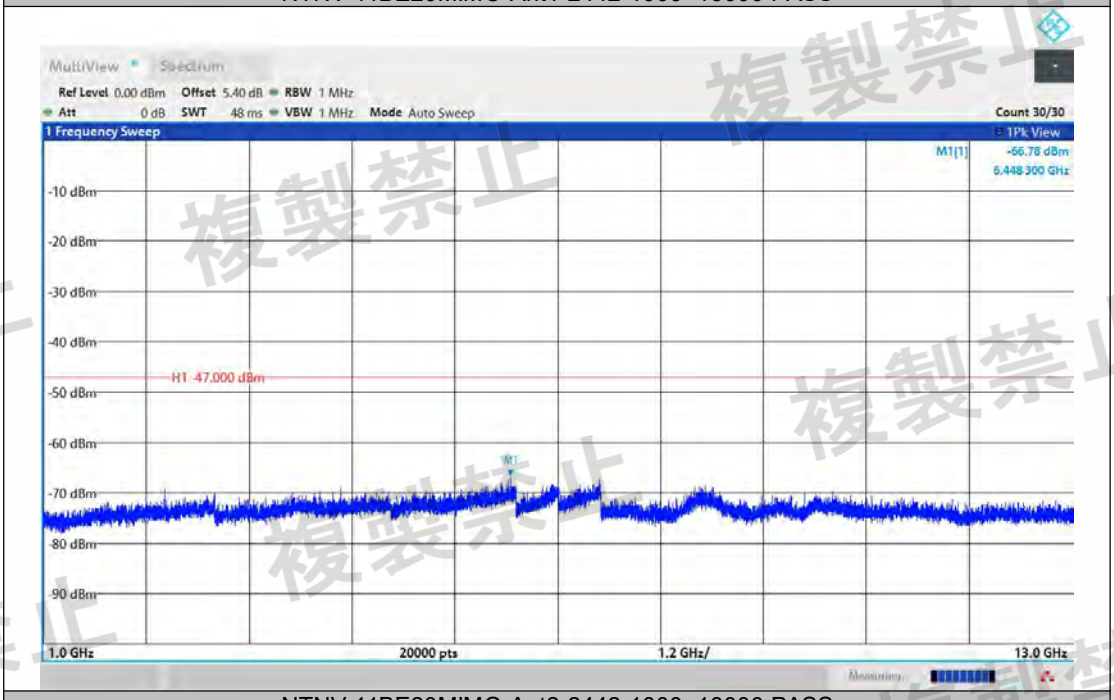
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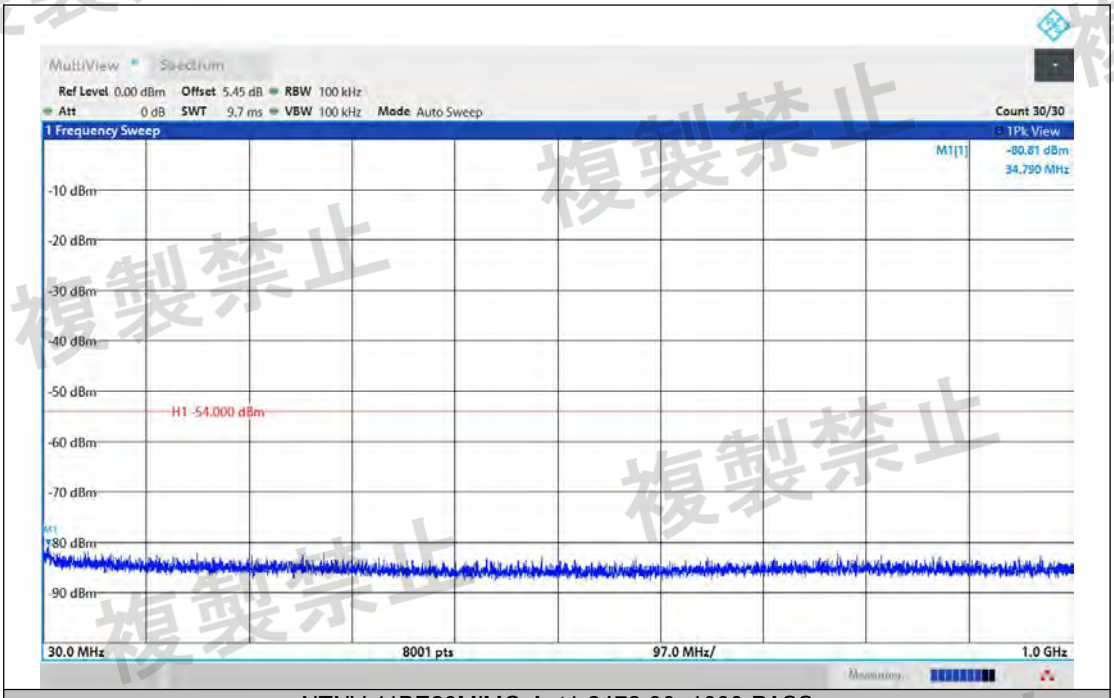
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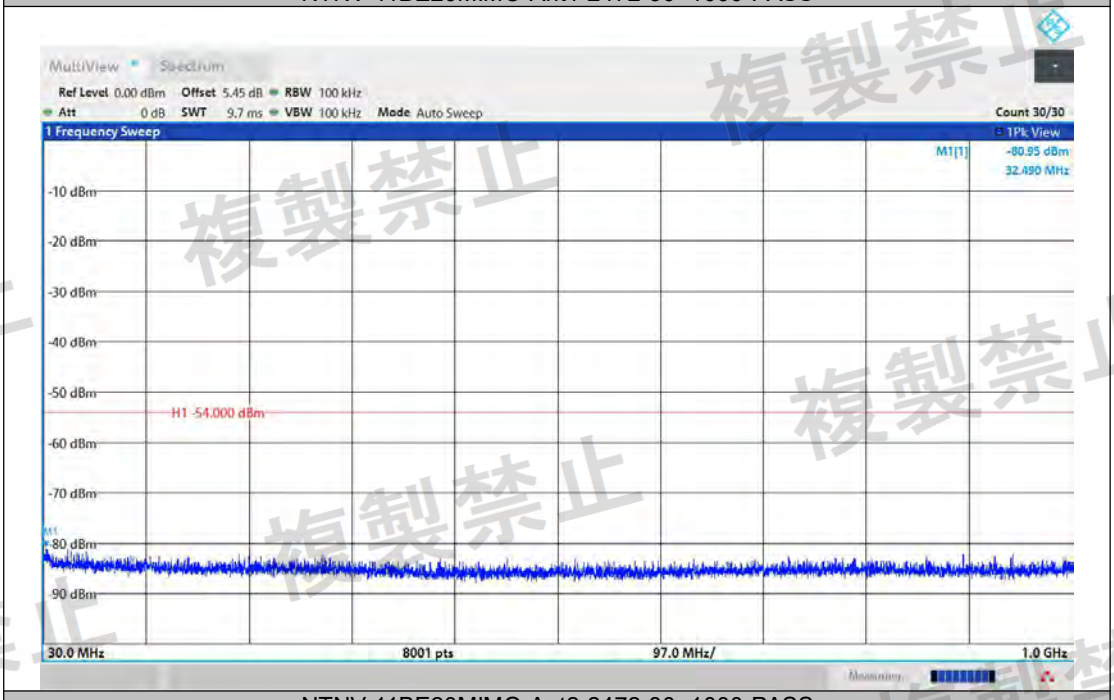
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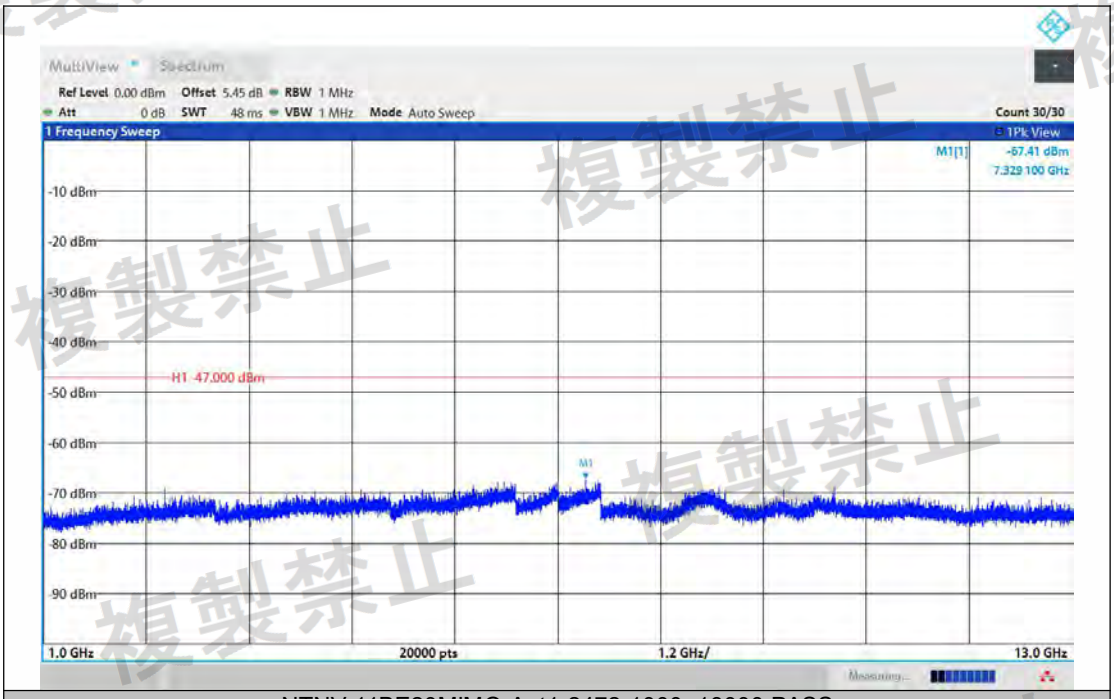
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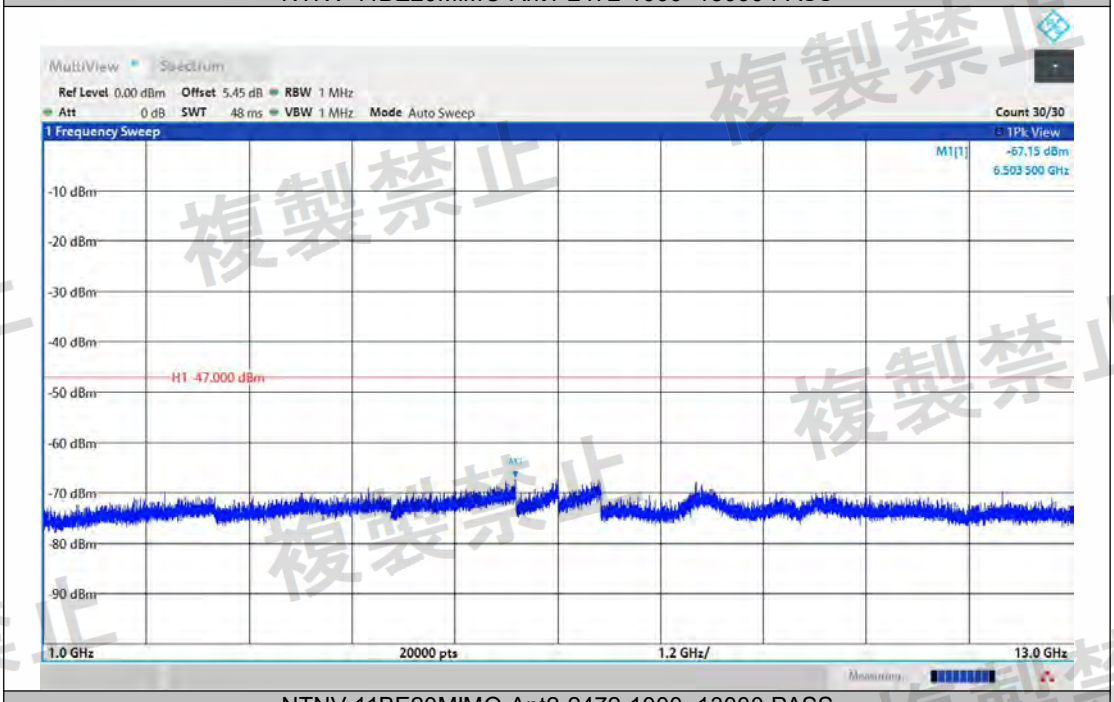
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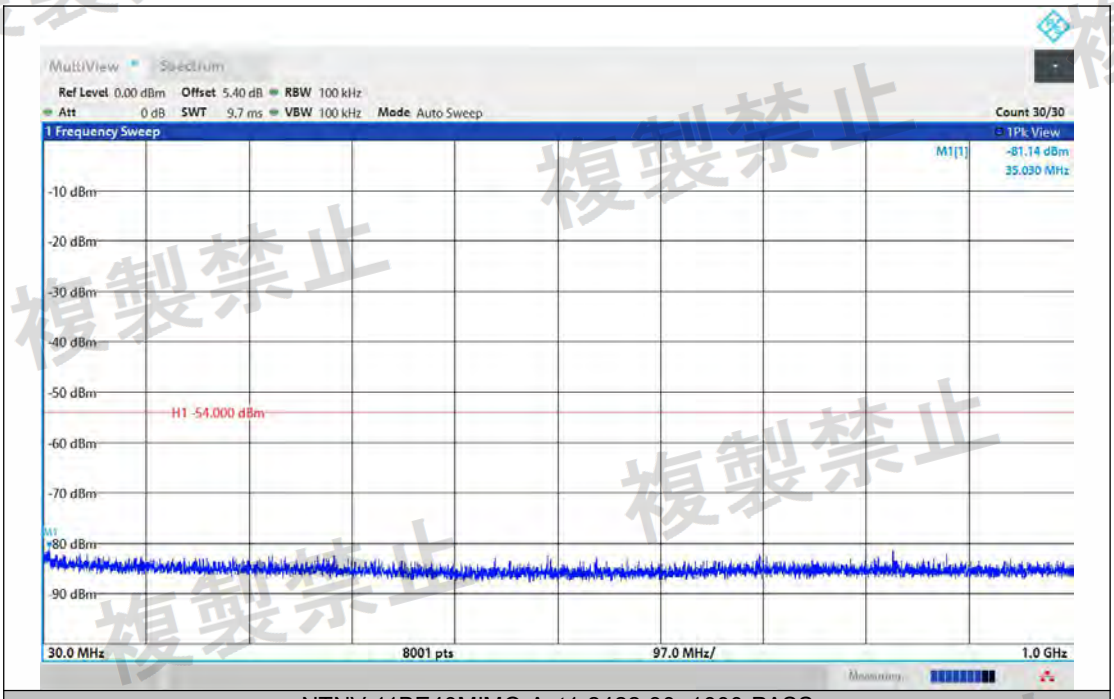
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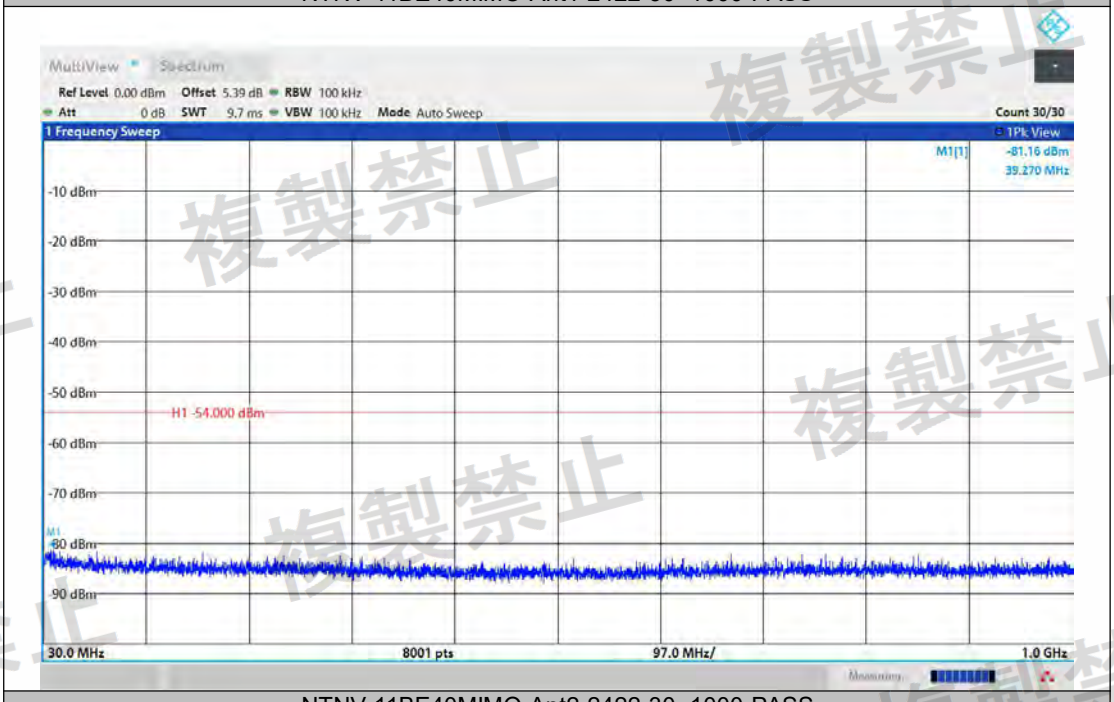
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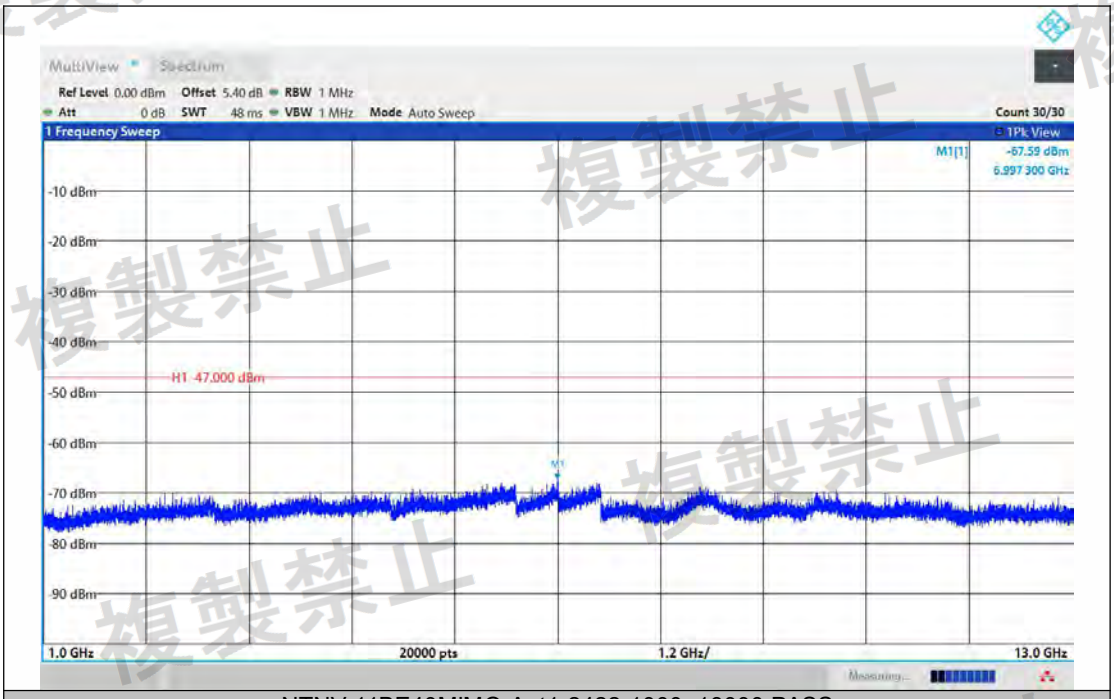
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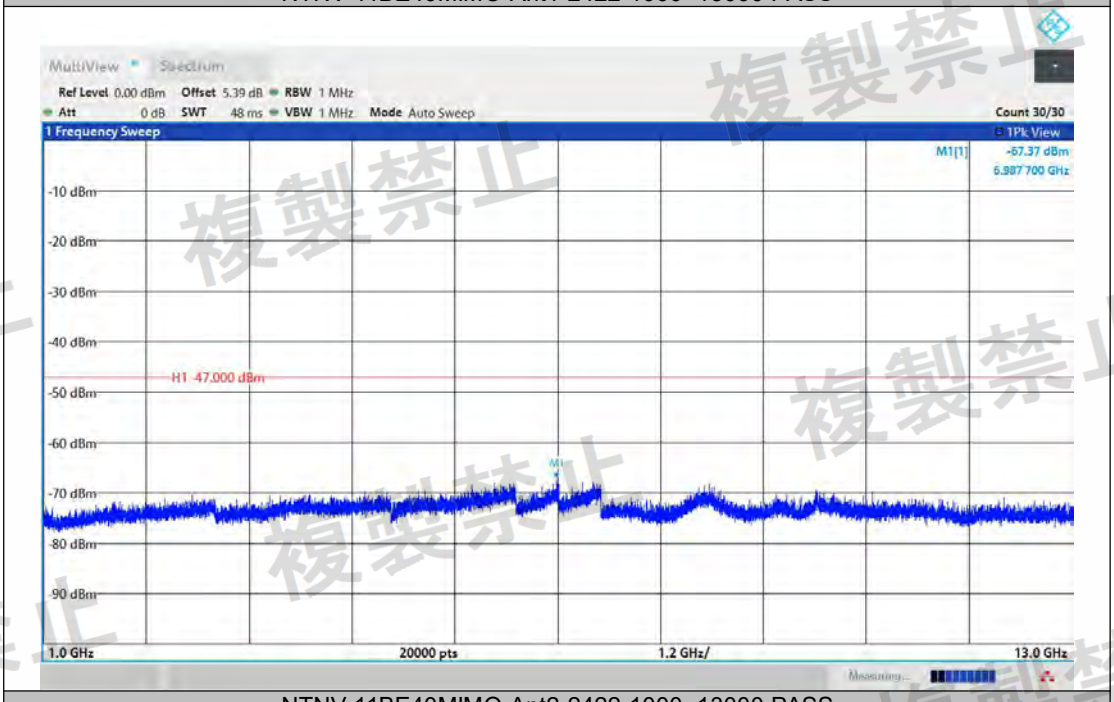
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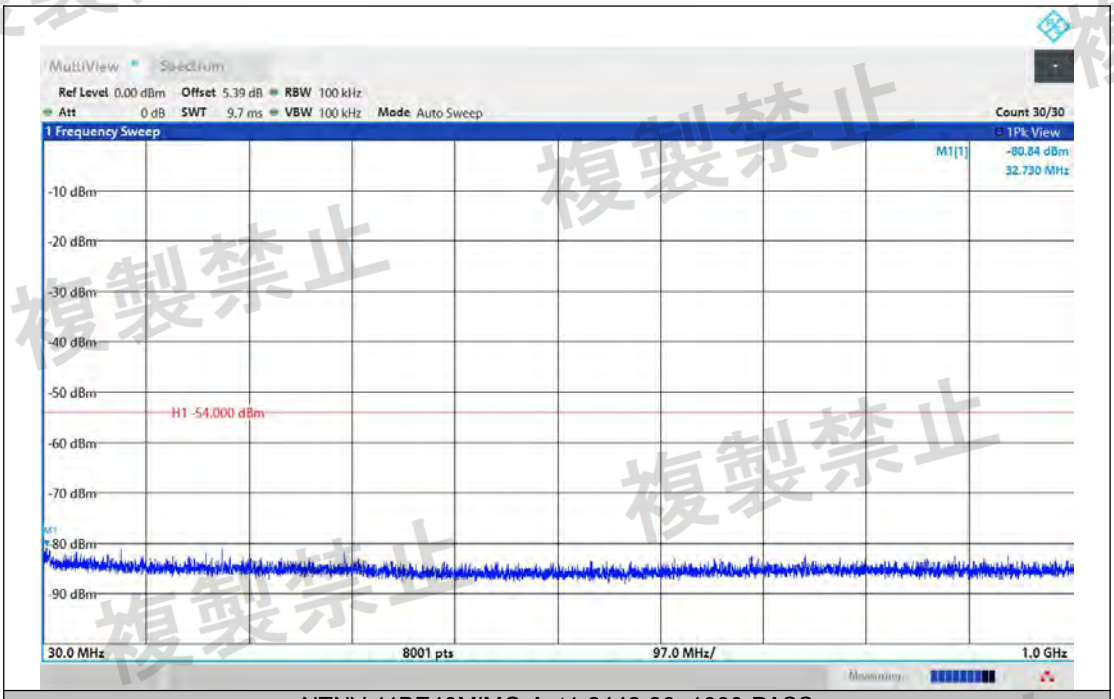
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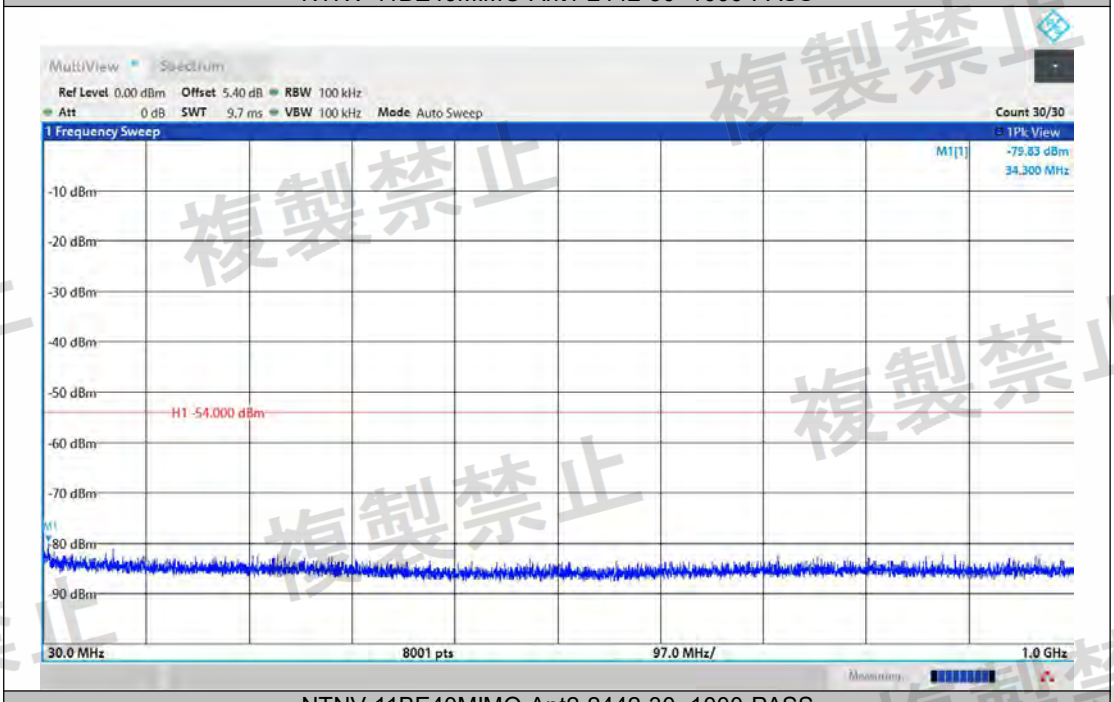
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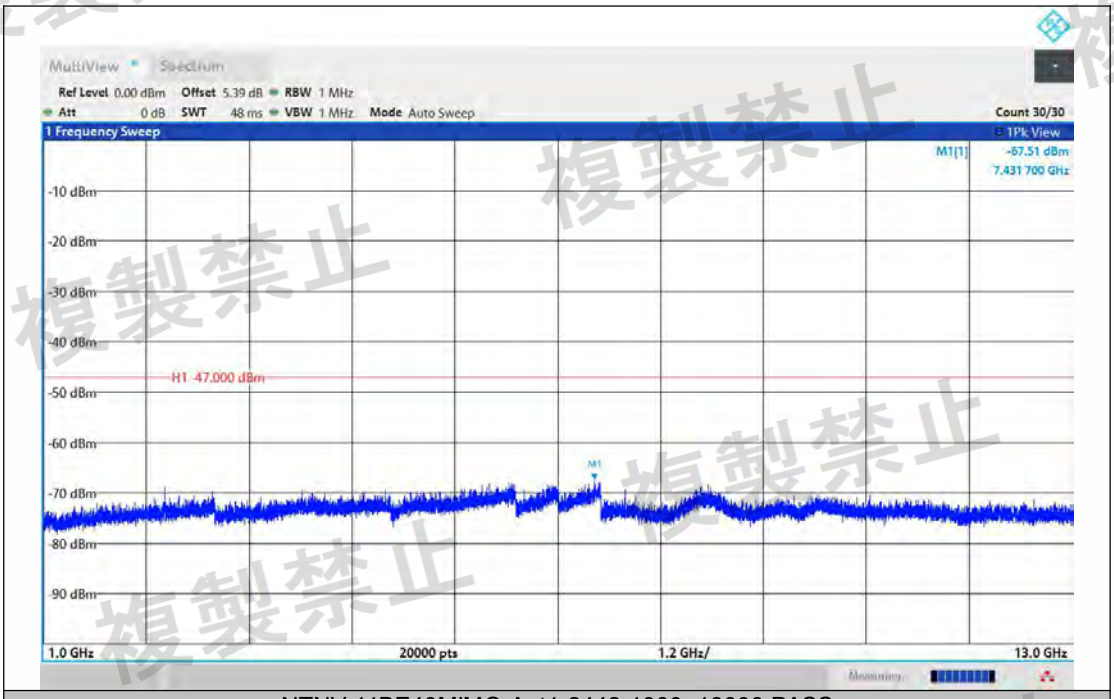
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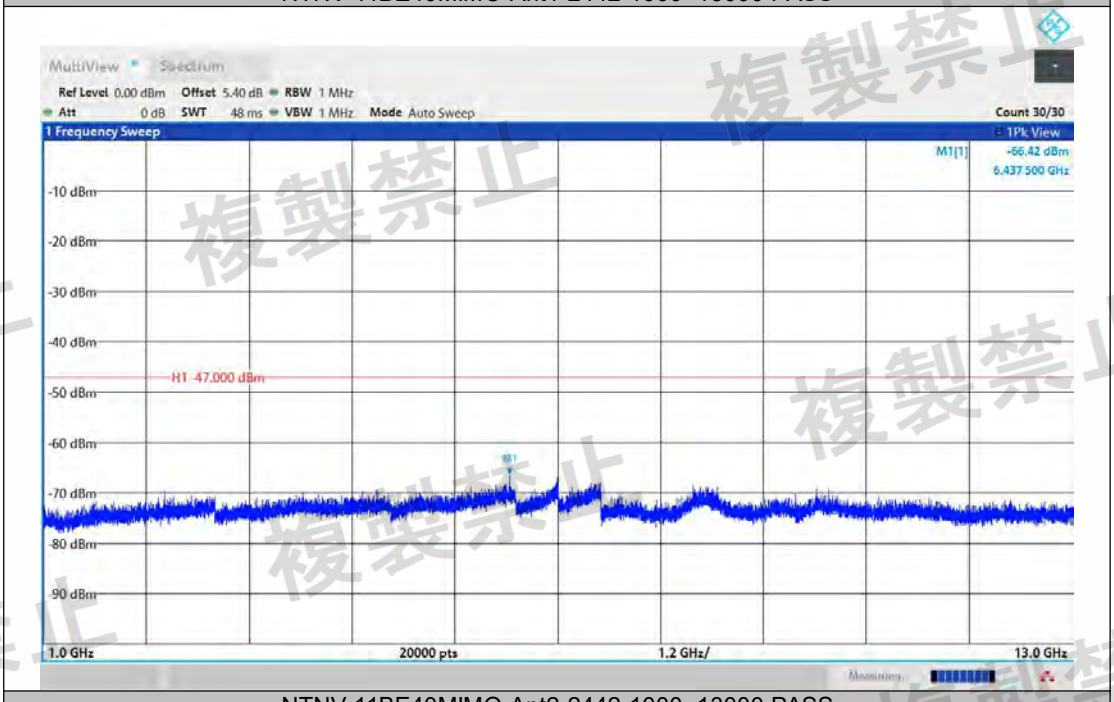
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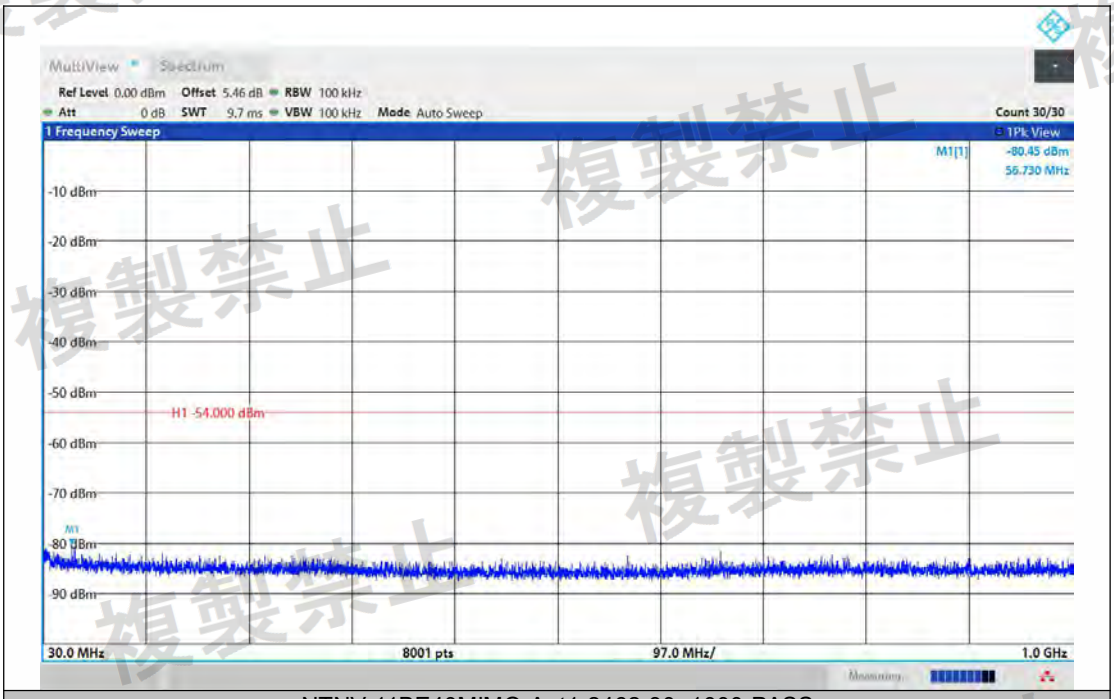
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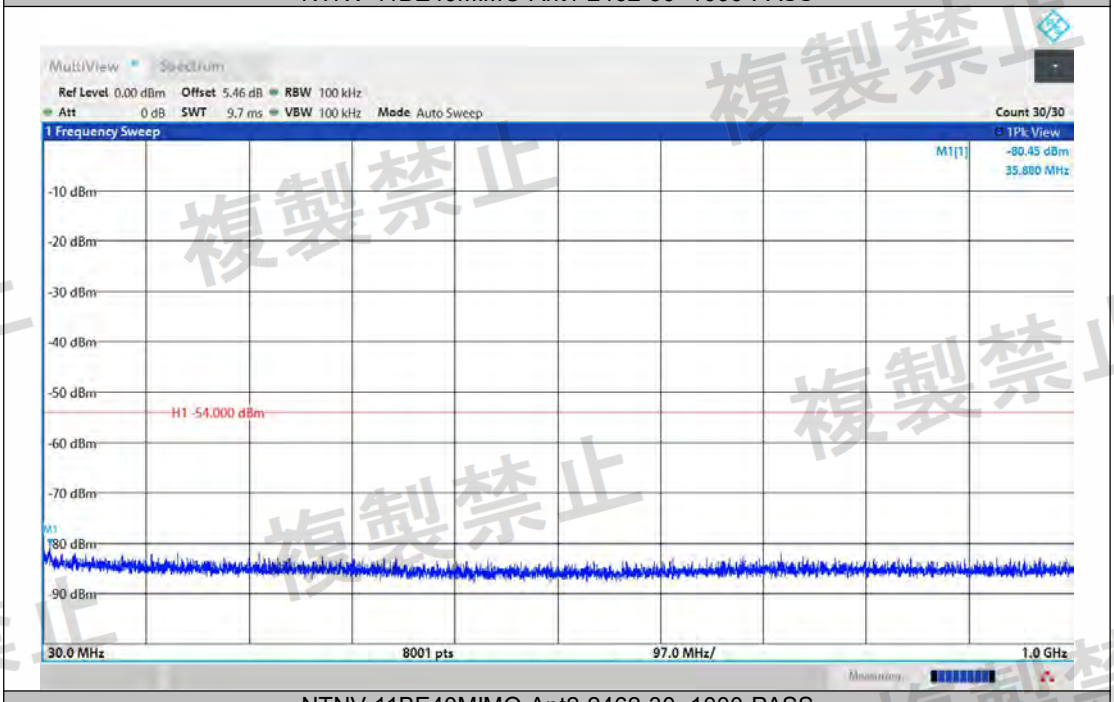
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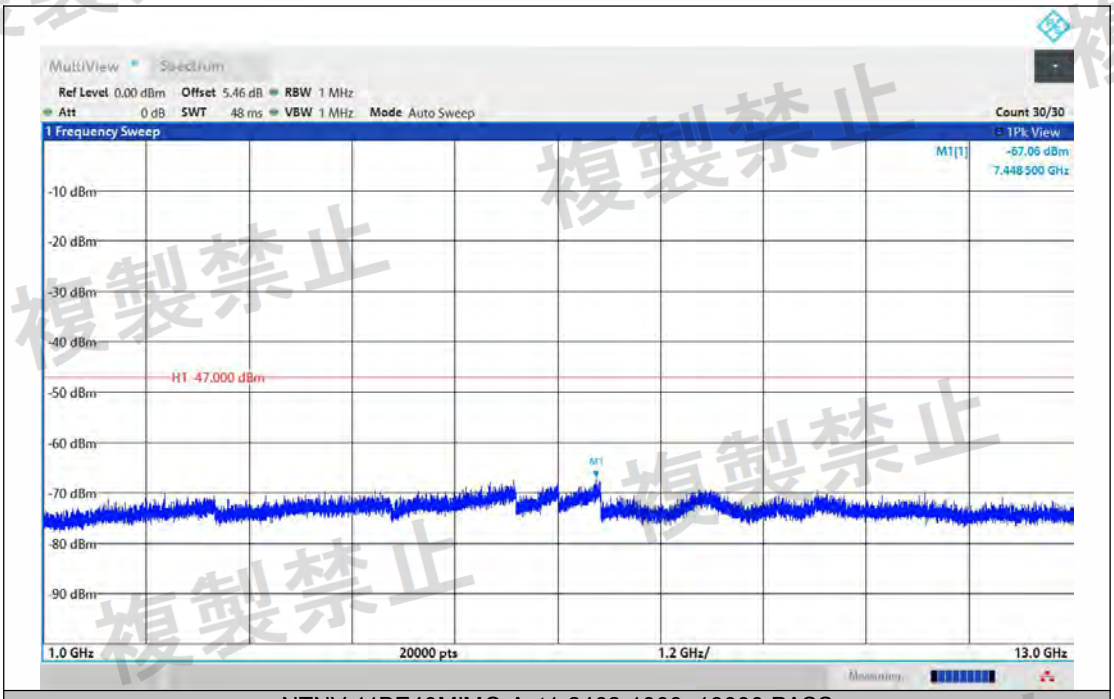
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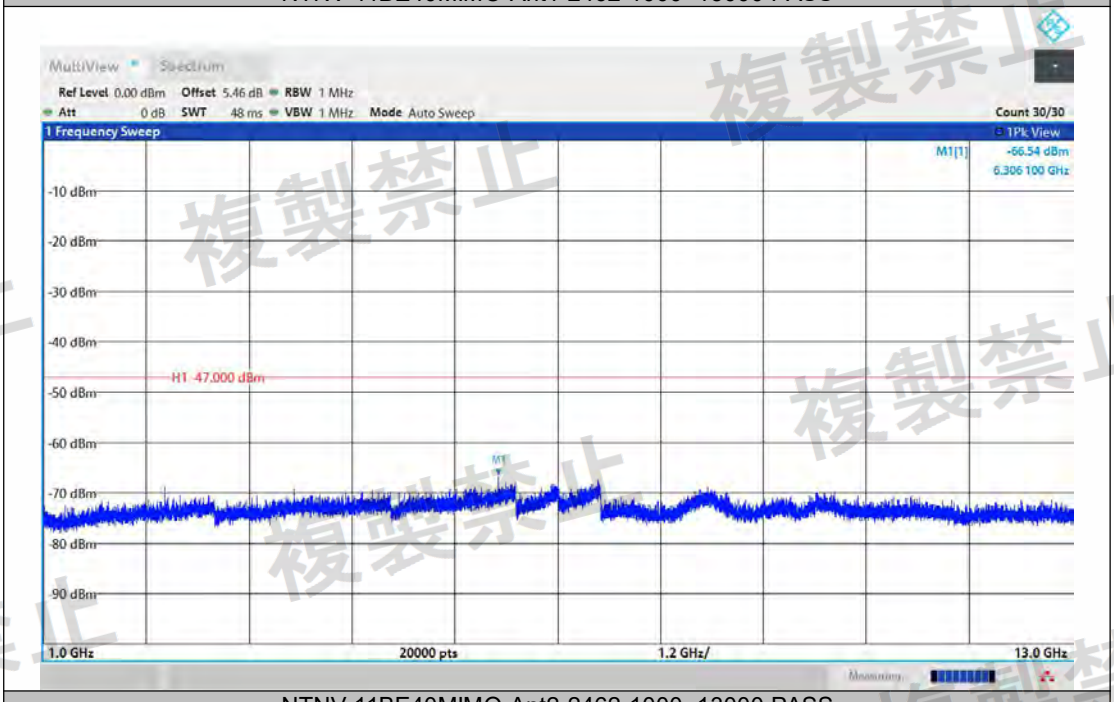
NTNV-11BE40MIMO-Ant1-2462-30~1000-PASS



NTNV-11BE40MIMO-Ant2-2462-30~1000-PASS



NTNV-11BE40MIMO-Ant1-2462-1000~13000-PASS



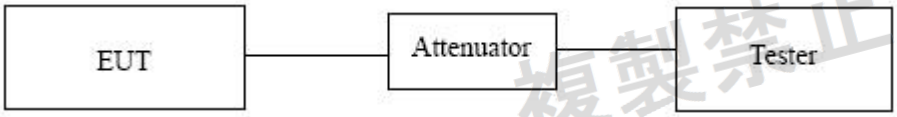
NTNV-11BE40MIMO-Ant2-2462-1000~13000-PASS

7.6 Interference Prevention Function

7.6.1 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.

7.6.2 Test Setup Block Diagram



7.6.3 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”.

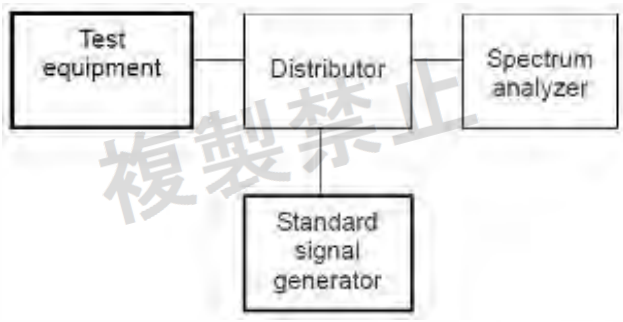
7.6.4 Summary of Test Results/Plots

Pass

Test Item	Test Result	Remark
Transmitting Function of Identification Code	Good	The device have the function of automatic transmission or reception of identification code
Receiving Function of Identification Code	Good	The device have the function of automatic transmission or reception of identification code

7.7 CARRIER SENSE CAPABILITY

7.7.1 Measurement system diagram



7.7.2 Condition of measuring instrument

(1) Set the standard signal generator as follows:
Carrier frequency: Center frequency of receiving frequency band of test equipment
Modulation: No modulation.(note1)
Output level: regulated level on antenna input of test equipment
Note 1: The un-modulated carrier in the center frequency, when the carrier sense function of test equipment is not worked, if necessary, change the frequency or modulate it.
(2) Set the spectrum analyzer as follows:
Center frequency: Center frequency of the bandwidth used.(note2)
Sweep frequency band: 50MHz(note2)
Resolution bandwidth: Approximately 1 MHz
Video bandwidth: Comparable level with resolution bandwidth
Trigger condition: Free-run
Detective mode: Positive peak
Note 2: Under 26MHz of OFDM or other modulated method that with transmit function, set sweep frequency band as 0Hz, detective mode as sample, center frequency as the carrier frequency from 13MHz to 19MHz.

7.7.3 Condition of test equipment

Set the test equipment at the test frequency and the test spread code, and set it to the receiving mode in the beginning. When using external test device, connect with the test equipment by line connection.

7.7.4 Measuring operation procedure

(1) Test with test equipment only:
A) Set the spectrum analyzer according to above (2).
B) 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, by using spectrum analyzer.
C) Set the test equipment to the receiving mode.
D) 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 bandwidth OFDM radio wave, by using spectrum analyzer.

7.7.5 Test result

The unit does meet the requirements (Good).

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result
NTNV	11B	Ant1	2412	Pass
		Ant2	2412	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2472	Pass
		Ant2	2472	Pass
	11G	Ant1	2412	Pass
		Ant2	2412	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2472	Pass
		Ant2	2472	Pass
	11N20	Ant1	2412	Pass
		Ant2	2412	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2472	Pass
		Ant2	2472	Pass
	11N40	Ant1	2422	Pass
		Ant2	2422	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2462	Pass
		Ant2	2462	Pass
	11ax20	Ant1	2412	Pass
		Ant2	2412	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2472	Pass
		Ant2	2472	Pass
	11ax40	Ant1	2422	Pass
		Ant2	2422	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2462	Pass
		Ant2	2462	Pass
	11be20	Ant1	2412	Pass
		Ant2	2412	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2472	Pass
		Ant2	2472	Pass
	11be40	Ant1	2422	Pass
		Ant2	2422	Pass
		Ant1	2442	Pass
		Ant2	2442	Pass
		Ant1	2462	Pass
		Ant2	2462	Pass

7.8 RF ACCESSIBILITY

Standard requirement

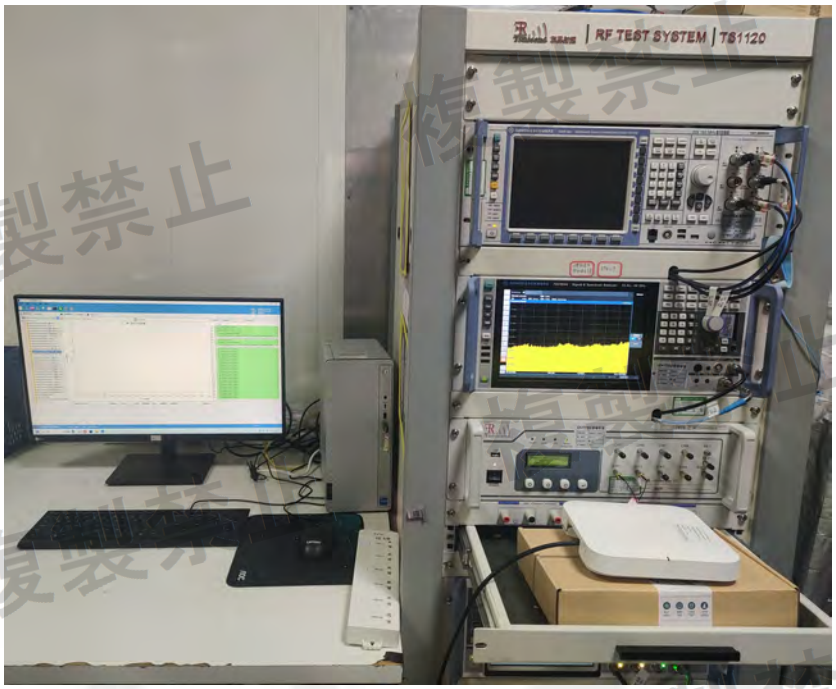
Article 49-20, paragraph 1 (a)

The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.

☐	Sealed with special screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☐	Chassis is glued using a special adhesive.
☐	Metal covers are spot-fused.
☐	Cover is specially interlocked.
☒	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued with anon-transparent laminating agent.
☐	RF and Modulation parts are mounted on PCB with surface mount technology, and there is no any adjustable parts on PCB or adjustable parts are not exposed.

Test result: Pass

8 APPENDIX PHOTOGRAPHS OF TEST SETUP



--- End of Report ---

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