



RF TEST REPORT

Report No......: 20260302G10902X-W1
Product Name.....: Walulu AI Bionic Plush Pet
Model No......: WLC_JP1
Applicant.....: Chengdu Rainy Dynamic Technology Co., Ltd.
Applicant Address.....: Unit 1, 5/F, Building 2, No. 81 Tuoxin East Street, Chengdu
High-tech District, China (Sichuan) Pilot Free Trade Zone
Dates of Testing.....: 2026-03-25 to 2026-04-22
Issued by.....: CCIC Southern Testing Co., Ltd.
Lab Location.....: Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan
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Test Report

Product Name.....: Walulu AI Bionic Plush Pet
Trade Name.....: Walulu
Applicant.....: Chengdu Rainy Dynamic Technology Co., Ltd.
Applicant Address.....: Unit 1, 5/F, Building 2, No. 81 Tuoxin East Street, Chengdu
High-tech District, China (Sichuan) Pilot Free Trade Zone
Manufacturer.....: Chengdu Rainy Dynamic Technology Co., Ltd.
Manufacturer Address.....: Unit 1, 5/F, Building 2, No. 81 Tuoxin East Street, Chengdu
High-tech District, China (Sichuan) Pilot Free Trade Zone
Test Standards.....: Article 2 paragraph 1 item (19)
MIC Notice No.88 Appendix No.43
Test Result.....: Pass

Tested by.....: Chuiwang Zhang 2026-04-22
Chuiwang Zhang, Test Engineer

Reviewed by.....: Sun Jiaohui 2026-04-22
Sun Jiaohui, Senior Engineer

Approved by.....: Wang Shijie 2026-04-22
Wang Shijie, Manager

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Change History		
Issue	Date	Reason for change
1.0	2026-04-22	First edition

1. General Information

1.1. Description of EUT

Product Name	Walulu AI Bionic Plush Pet
Model No.	WLC_JP1
Hardware Version	V1.1
Software Version	1.1.25
Power Supply	Rechargeable Li-ion Battery DC3.7V/4000mAh
EUT supports Radios application	WLAN 2.4 GHz 802.11b/g/n/ax
Modulation technology	DSSS, OFDM, OFDMA
Modulation Type	CCK, DBPSK, DQPSK for DSSS 1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK, OFDM for OFDMA
Transfer Rate	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n: up to 150 Mbps 802.11ax: up to 286.765 Mbps
Frequency Range	802.11b/g/n-HT20/ax-HE20: 2.412GHz ~ 2.472GHz 802.11n-HT40/ax-HE40: 2.422GHz ~ 2.462GHz
Number of channel	802.11b/g/n-HT20/ax-HE20: 13 802.11n-HT40/ax-HE40: 9
Antenna Type	PCB antenna
Antenna Gain	3.25 dBi

Note 1: The information of antenna gain and cable loss is provided by the manufacturer and our lab is not responsible for the accuracy of the antenna gain and cable loss information.

1.2. Test Standards and Results

The EUT has been tested according to MIC Notice No.88 Appendix No.43.

No.	Identity	Document Title
1	MIC Notice No.88 Appendix No.43	Radio Frequency Devices

Test detailed items/section required by MIC rules and results are as below:

Part	Section in MIC	Description	Result
2.1	3	Frequency Error	PASS
2.2	4	Occupied Bandwidth	PASS
2.3	6	Antenna Power and deviation Measurement	PASS
2.4	5	Unwanted Emission Intensity	PASS
2.5	7	Secondary Radiated Rmissions of Receiver	PASS
2.6	10	Transmitting antenna absolute gain	N/A
2.7	11	Main lobe width of transmitting antenna	N/A
2.8	12	Radio Interference Prevention Capability	PASS
2.9	8	Carrier Sense Capability	PASS ^{Note 1}
2.10	Note 2	Construction Protection Confirmation	PASS

Note 1: Testing is only required OFDM system with occupied frequency bandwidth below 40 MHz and exceed 26 MHz.

Note 2: MIC Ordinance Regulating Radio Equipment Section 4.17 of Article 49.20.

Note 3: N/A means not applicable.

1.3. Table for Carrier Frequency

13 channels are provided for 802.11b, 802.11g, 802.11n-HT20 and 802.11ax-HE20.

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	/	/

9 channels for 802.11n-HT40 and 802.11ax-HE40.

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

Select test channel and data rate for WLAN 2.4GHz.

For Frequency band 2412 ~ 2472 MHz				
Test Mode	Low Channel	Mid Channel	High Channel	Data rate
802.11b	1	7	13	1 Mbps
802.11g	1	7	13	6 Mbps
802.11n-HT20	1	7	13	MCS 0
802.11ax-HE20	1	7	13	MCS 0
802.11n-HT40	3	7	11	MCS 0
802.11ax-HE40	3	7	11	MCS 0

Note 1: After scanning all modulation types and data rates for all test patterns, the above list was found to be the worst case.

RU type and bandwidth configuration:

RU Types	802.11ax-HE20	802.11ax-HE40
26-Tone RU	26-Tone_0, 26-Tone_8	26-Tone_0, 26-Tone_8
52-Tone RU	52-Tone_37, 52-Tone_40	52-Tone_37, 52-Tone_40
106-Tone RU	106-Tone_53, 106-Tone_54	106-Tone_53, 106-Tone_54
242-Tone RU	/	242-Tone_61, 242-Tone_62

Note 1: All partial RU modes of 802.11ax were tested, but only the worst case (26-Tone RU) was reported.

1.4. Test environment

Operating Environment	
Temperature	23.5℃
Humidity	57 % RH
Atmospheric Pressure	1010 mbar

For extreme voltage test, we have tested the relationship between the external power supply and RF IC powersupply. Base on the test results, only the normal voltage was selected to perform all items. The details information as below:

External power supply	Test Point	Deviation from normal	Deviation
3.70 Vdc	3.3 Vdc	---	---
3.33 Vdc	3.3 Vdc	0.00 Vdc	0.00%
4.07 Vdc	3.3 Vdc	0.00 Vdc	0.00%

Note: The chip voltage regulation is 3.3 Vdc.

1.5. Measurement Uncertainty

Test Items	Uncertainty	Remark
Frequency Error / 99% & 90% Bandwidth	$\pm 1.75 \times 10^{-6}$	Confidence levels of 95%
Antenna Power	± 0.849 dB	Confidence levels of 95%
TX-RX Spurious Emissions	± 0.614 dB	Confidence levels of 95%
Transmission Antenna Gain	± 2.49 dB	Confidence levels of 95%
Temperature	± 0.8 ℃	Confidence levels of 95%
Humidity	± 4.1 %	Confidence levels of 95%
DC / AC Power Source	± 0.04 %	Confidence levels of 95%



1.6. Accreditation Certificate

☒ CCIC-SET Lab 1

Address: Electronic Testing Building, No.43, Shahe Road, Xili Street, Nanshan District, Shenzhen, Guangdong, China

ISED Registration: 11185A, CAB number: CN0064

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A.

A2LA Code: 5721.01

CCIC-SET is a third party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

CNAS L1659

CCIC Southern Testing Co., Ltd. CCIC is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

☐ CCIC-SET Lab 4

Address: No.125, Hongmei Section, Wangsha Road, Hongmei Town, Dongguan City, Guangdong Province, China

CNAS L1659

CCIC Southern Testing Co., Ltd. CCIC is a third party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

2. Transmitter Results

2.1. Frequency Error Measurement

2.1.1. Limits

Item	Limits
Frequency Tolerance	$\leq \pm 50$ ppm

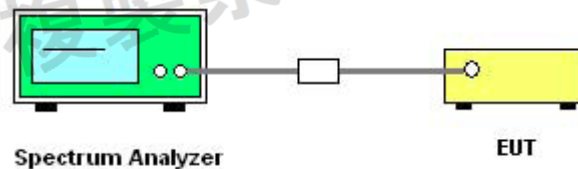
2.1.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.1.3. Test Procedures

- 1 Frequency accuracy of SA shall be less than 10% of limits tolerance (5 ppm).
- 2 Setting of SA is following as: RBW: 10 kHz / VBW: 10 kHz / Span: 1 MHz.
- 3 Center Frequency: The center frequency of testing for EUT.
- 4 Sweep time: Auto.
- 5 Sweep mode: Continuous sweep.
- 6 Detect mode: Positive peak.
- 7 Trace mode: Max hold.
- 8 EUT have transmitted absence of modulation signal and fixed channelize. f is using the mark cursor to mark the peak frequency value, f_c is declaring of channel frequency. Then the frequency error formula is $(f-f_c)/f_c \times 10^6$ ppm and the limit is less than ± 50 ppm.

2.1.4. Test Setup Layout



2.1.5. Test Setup Deviation

There is no deviation with the original standard.

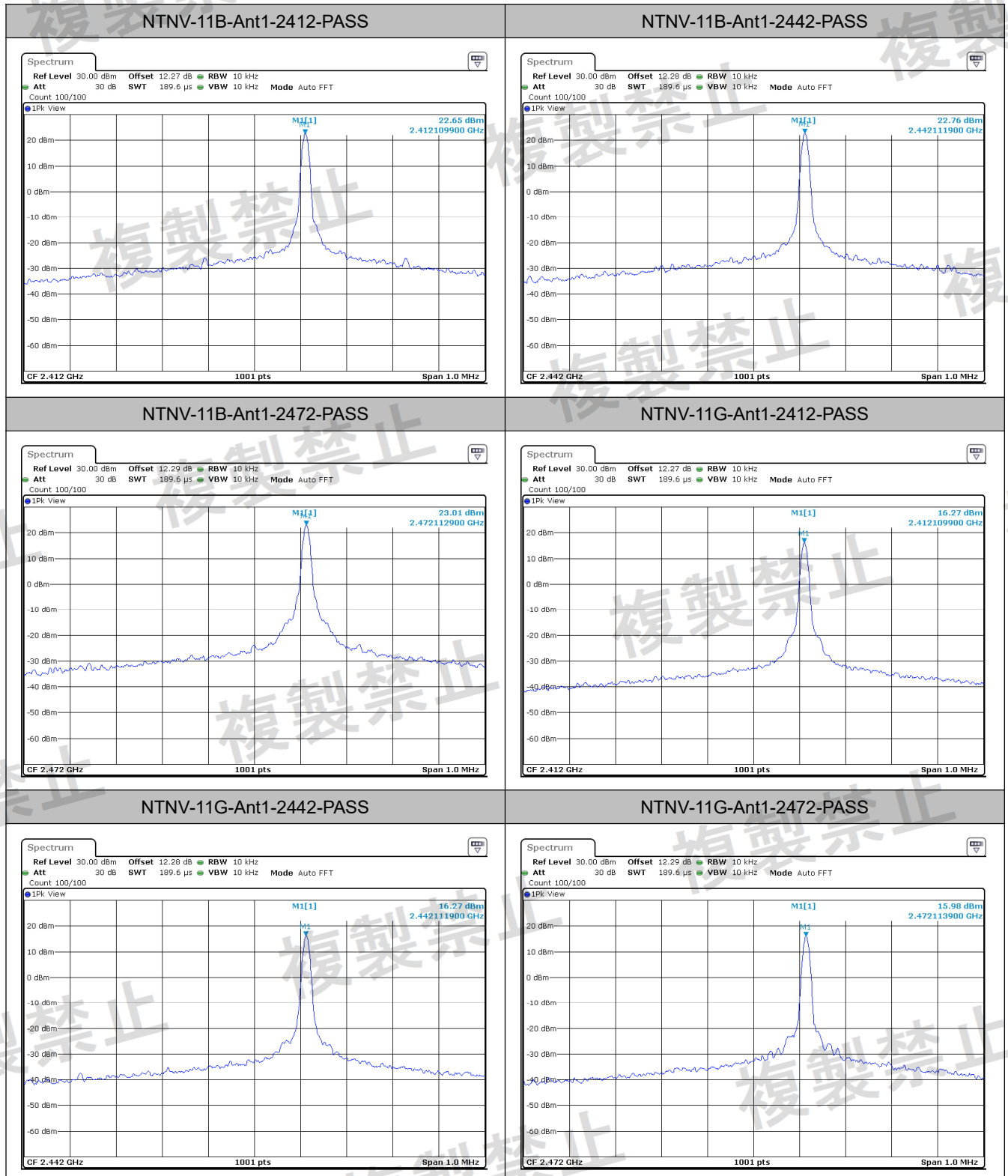
2.1.6. Test Setup Deviation

The EUT was placed on the test table and programmed in un-modulation function.

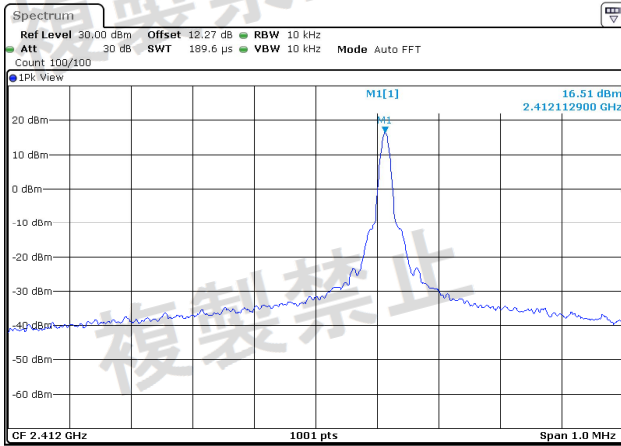
**2.1.7. Test Results of Frequency Error**

Test Mode	Antenna	Freq. [MHz]	Center Freq [MHz]	Result [ppm]	Limit [ppm]	Verdict
11B	Ant1	2412	2412.1099	45.56385	±50	PASS
11B	Ant1	2442	2442.1119	45.82310	±50	PASS
11B	Ant1	2472	2472.1129	45.67152	±50	PASS
11G	Ant1	2412	2412.1099	45.56385	±50	PASS
11G	Ant1	2442	2442.1119	45.82310	±50	PASS
11G	Ant1	2472	2472.1139	46.07605	±50	PASS
11N20SISO	Ant1	2412	2412.1129	46.80763	±50	PASS
11N20SISO	Ant1	2442	2442.1139	46.64210	±50	PASS
11N20SISO	Ant1	2472	2472.1159	46.88511	±50	PASS
11N40SISO	Ant1	2422	2422.1129	46.61437	±50	PASS
11N40SISO	Ant1	2442	2442.1139	46.64210	±50	PASS
11N40SISO	Ant1	2462	2462.1149	46.66937	±50	PASS
11AX20SISO	Ant1	2412	2412.1129	46.80763	±50	PASS
11AX20SISO	Ant1	2442	2442.1139	46.64210	±50	PASS
11AX20SISO	Ant1	2472	2472.1159	46.88511	±50	PASS
11AX40SISO	Ant1	2422	2422.1129	46.61437	±50	PASS
11AX40SISO	Ant1	2442	2442.1139	46.64210	±50	PASS
11AX40SISO	Ant1	2462	2462.1149	46.66937	±50	PASS

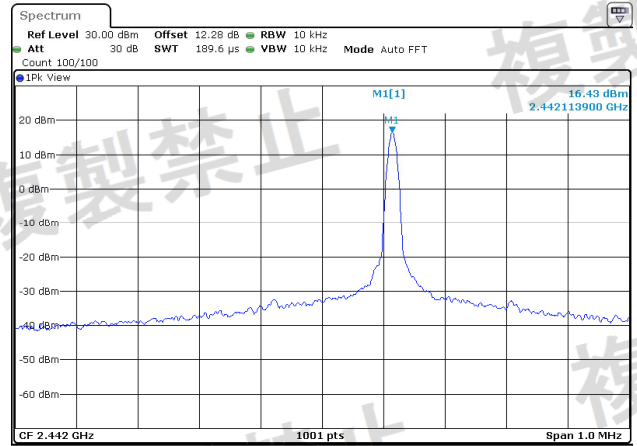
Test Graphs



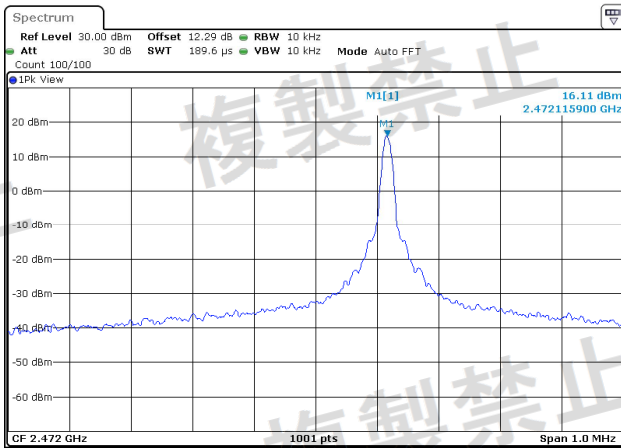
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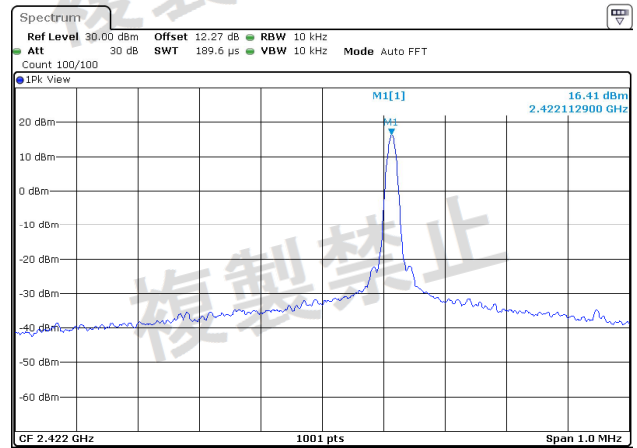
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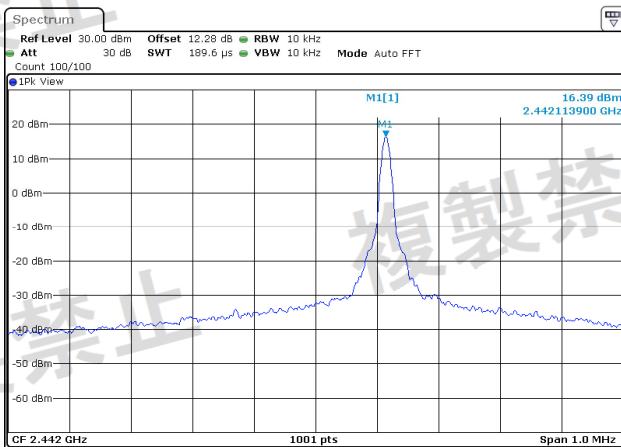
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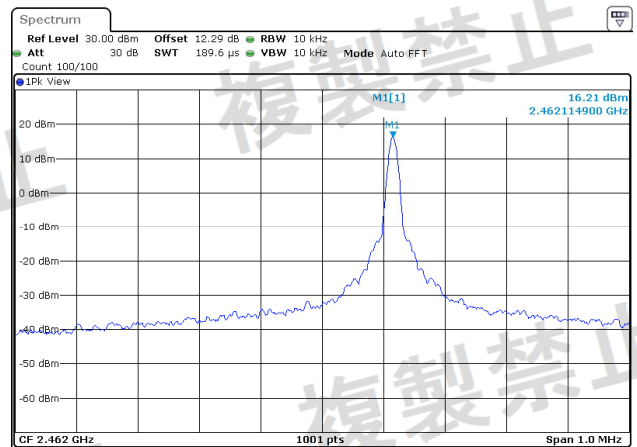
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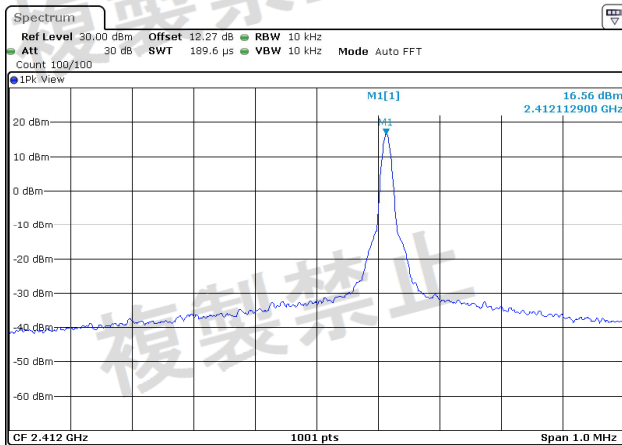
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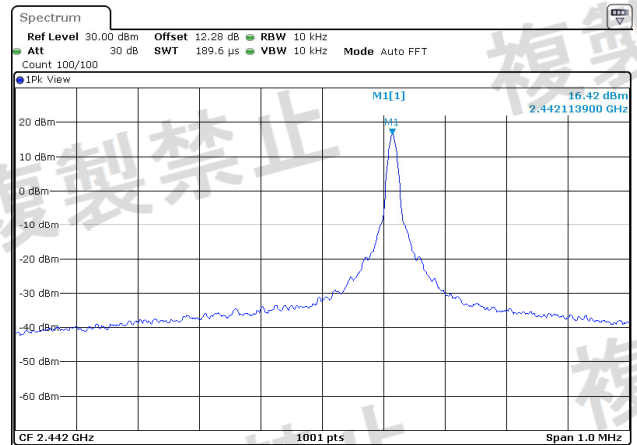
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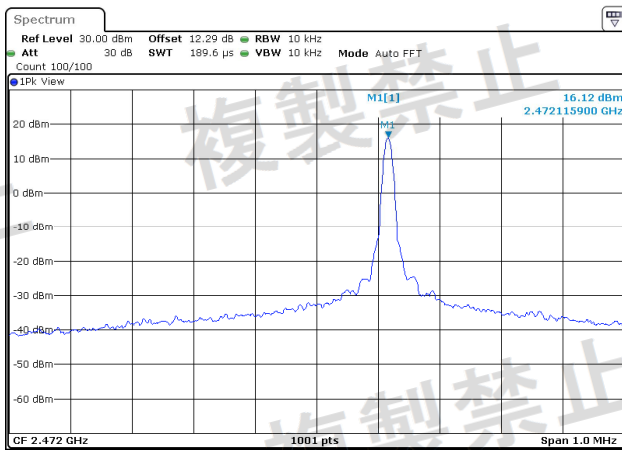
NTNV-11AX20SISO-Ant1-2412-PASS



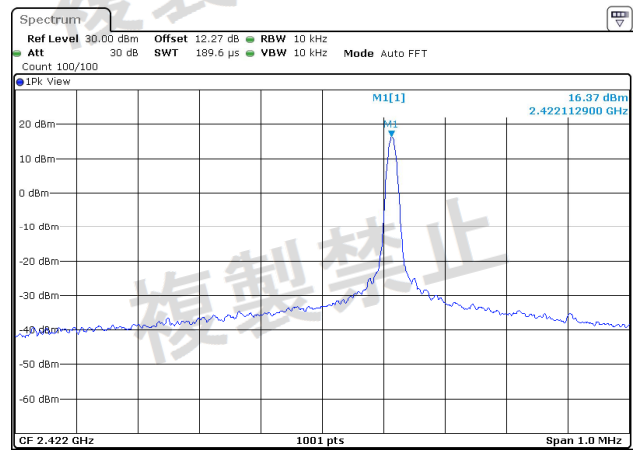
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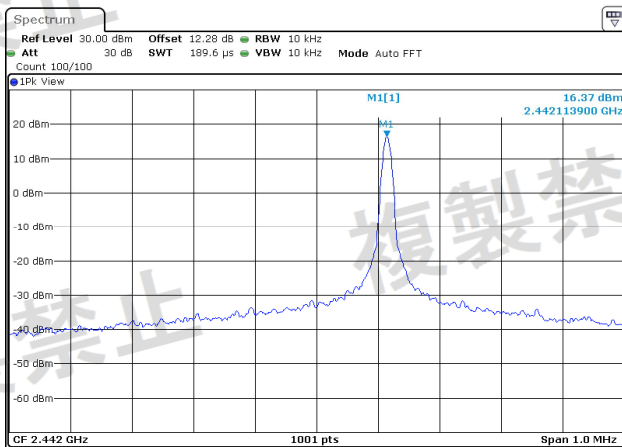
NTNV-11AX20SISO-Ant1-2472-PASS



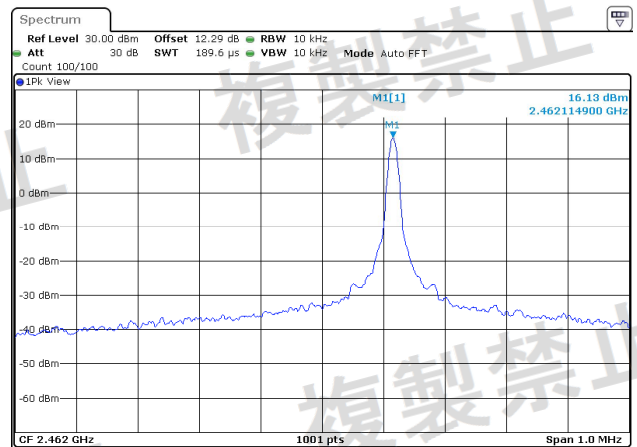
NTNV-11AX40SISO-Ant1-2422-PASS



NTNV-11AX40SISO-Ant1-2442-PASS



NTNV-11AX40SISO-Ant1-2462-PASS



2.2. Occupied Bandwidth

2.2.1. Limits

Item	Limits
Occupied Bandwidth	OFDM, DS $\leq$ 26 MHz (Narrow Bandwidth); OFDM, DS $\geq$ 26 MHz, $\leq$ 40 MHz (Wide Bandwidth)

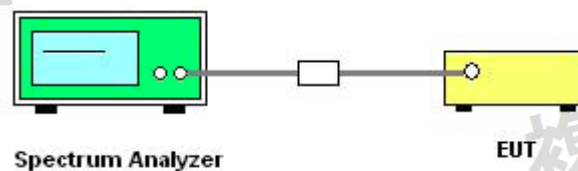
2.2.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.2.3. Test Procedures

- Setting of SA is following as: RBW: 300kHz / VBW: 300kHz / SPAN: 52MHz or 80MHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
- EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode (For FHSS Device). SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26 MHz (For DSSS or OFDM Device) or 83.5 MHz (For FHSS Device).

2.2.4. Test Setup Layout



2.2.5. Test Deviation

There is no deviation with the original standard.

2.2.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

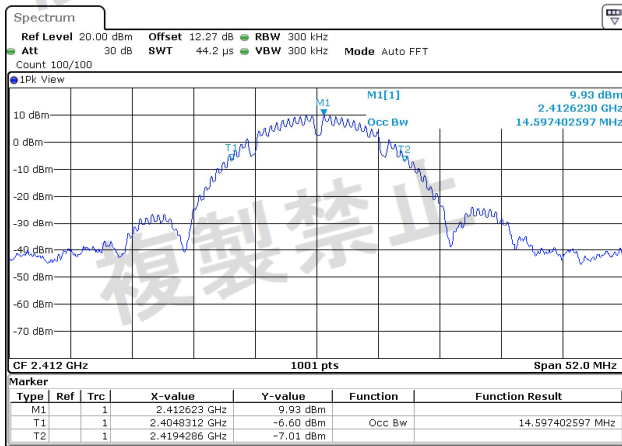
2.2.7. Test Result of Occupied Bandwidth

Test Mode	Antenna	Freq. [MHz]	Result [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	14.597	≤26	PASS
11B	Ant1	2442	14.026	≤26	PASS
11B	Ant1	2472	13.974	≤26	PASS
11G	Ant1	2412	16.468	≤26	PASS
11G	Ant1	2442	16.675	≤26	PASS
11G	Ant1	2472	16.779	≤26	PASS
11N20SISO	Ant1	2412	17.922	≤26	PASS
11N20SISO	Ant1	2442	17.818	≤26	PASS
11N20SISO	Ant1	2472	17.870	≤26	PASS
11N40SISO	Ant1	2422	34.845	26-40	PASS
11N40SISO	Ant1	2442	34.765	26-40	PASS
11N40SISO	Ant1	2462	34.925	26-40	PASS
11AX20SISO	Ant1	2412	18.338	≤26	PASS
11AX20SISO	Ant1	2442	18.494	≤26	PASS
11AX20SISO	Ant1	2472	18.545	≤26	PASS
11AX40SISO	Ant1	2422	36.044	26-40	PASS
11AX40SISO	Ant1	2442	36.044	26-40	PASS
11AX40SISO	Ant1	2462	36.044	26-40	PASS

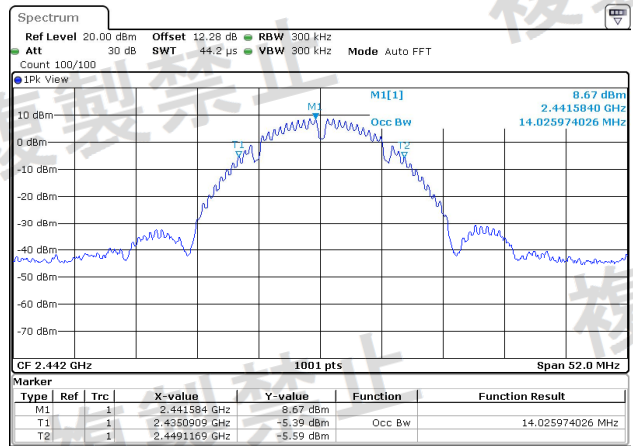
Test Mode	Antenna	Freq. [MHz]	Ru Size	Ru Index	Result [MHz]	Limit [MHz]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	18.494	≤26	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	18.701	≤26	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	18.597	≤26	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	18.701	≤26	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	18.597	≤26	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	18.701	≤26	PASS

Test Graphs

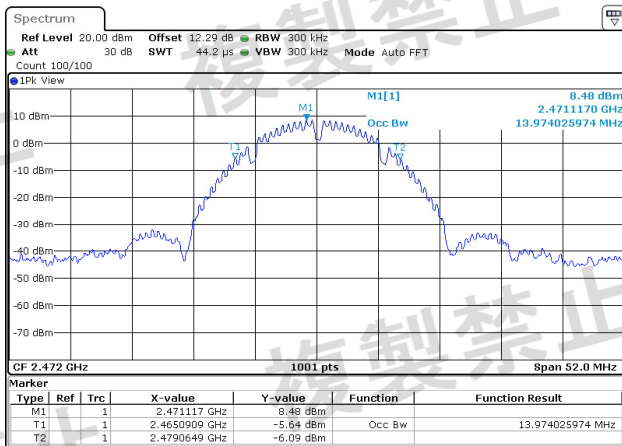
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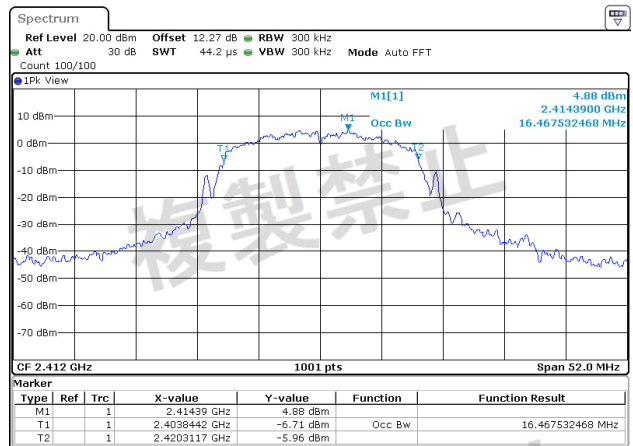
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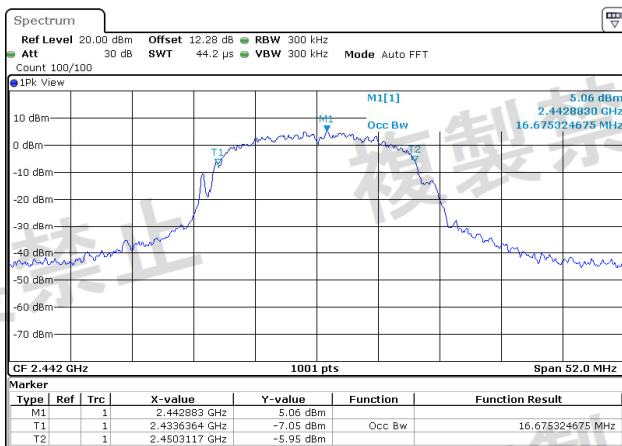
NTNV-11B-Ant1-2472-PASS



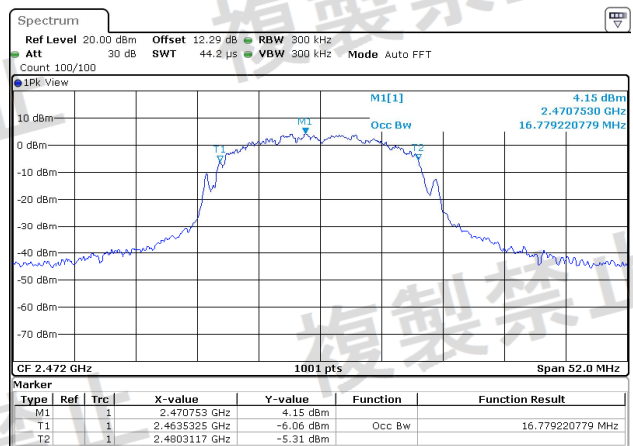
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NTNV-11G-Ant1-2442-PASS

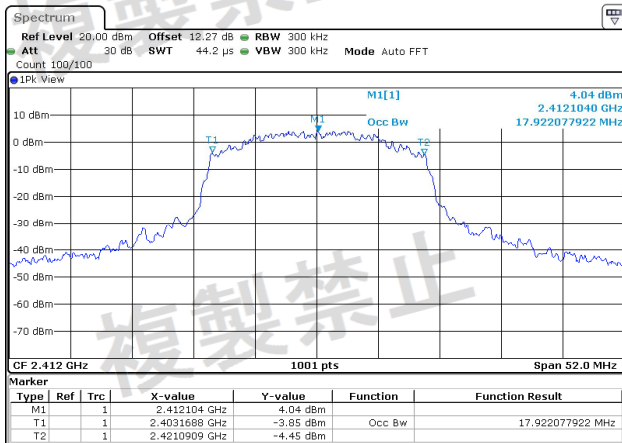


NTNV-11G-Ant1-2472-PASS

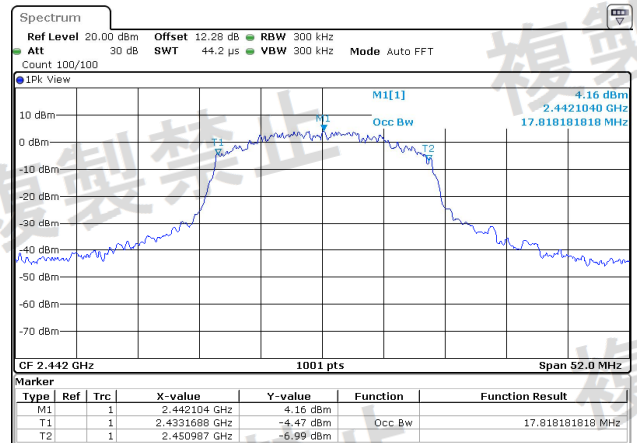




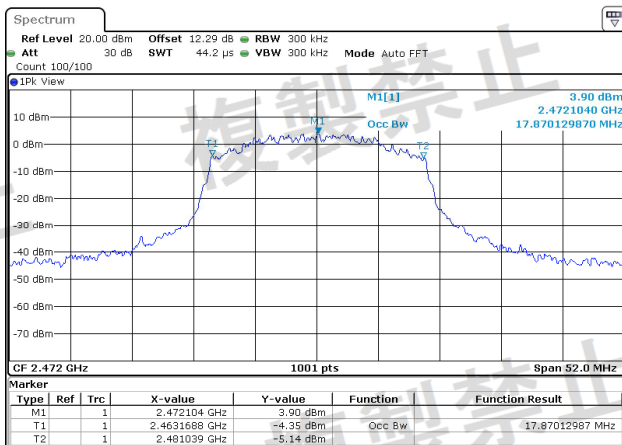
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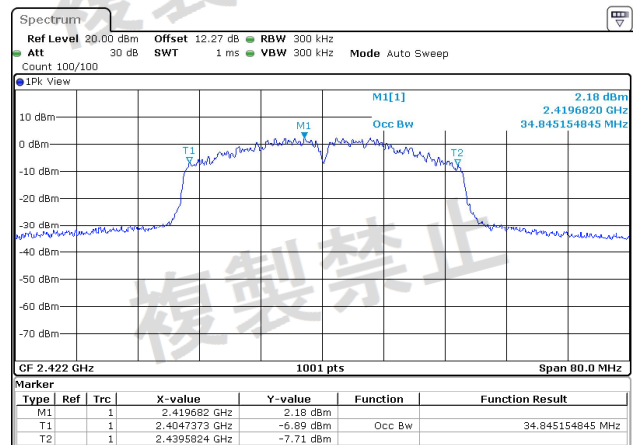
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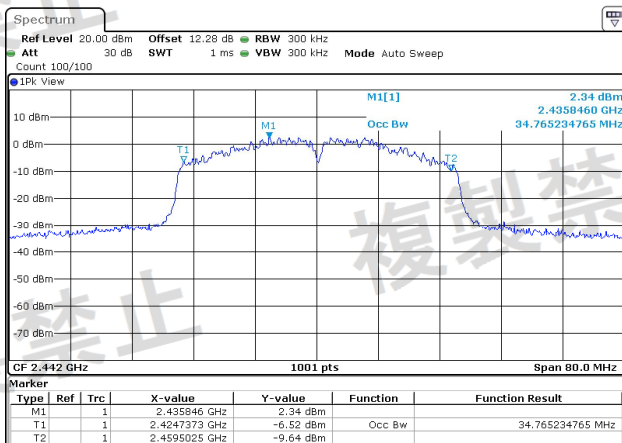
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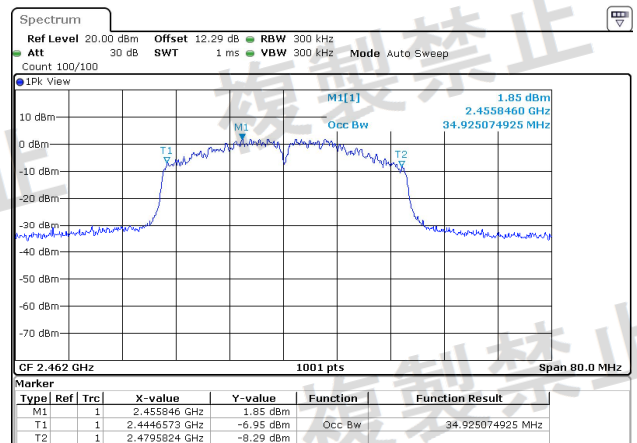
NTNV-11N40SISO-Ant1-2422-PASS



NTNV-11N40SISO-Ant1-2442-PASS

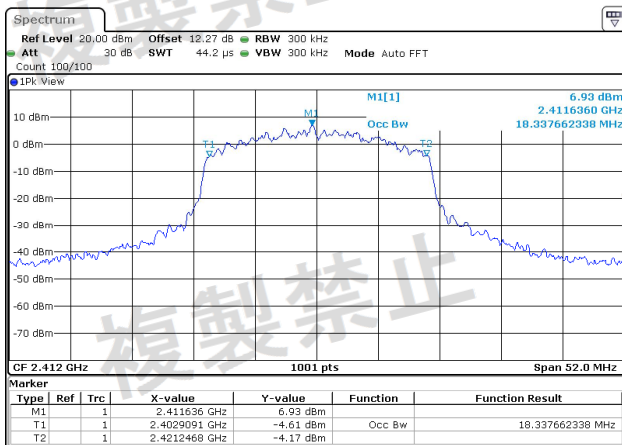


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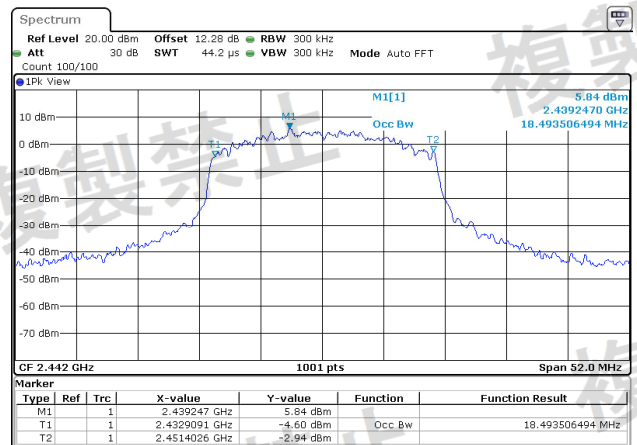




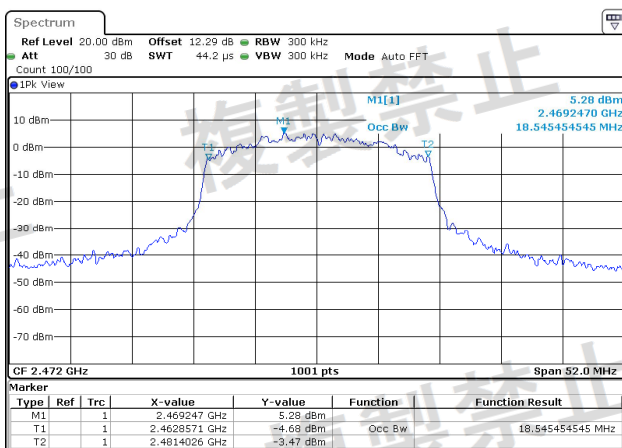
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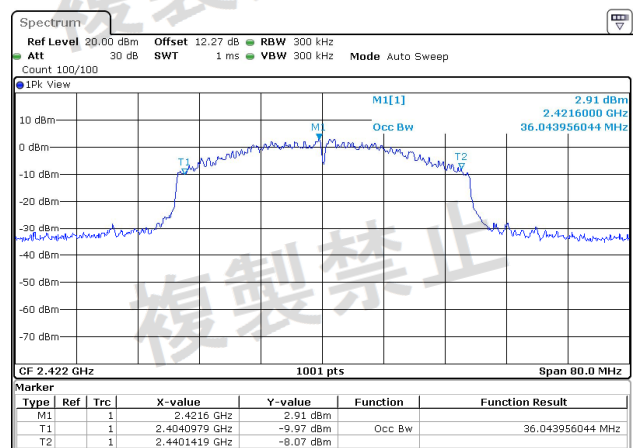
NTNV-11AX20SISO-Ant1-2442-PASS



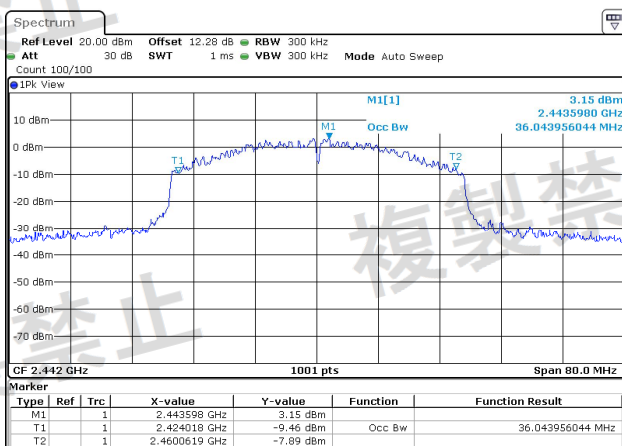
NTNV-11AX20SISO-Ant1-2472-PASS



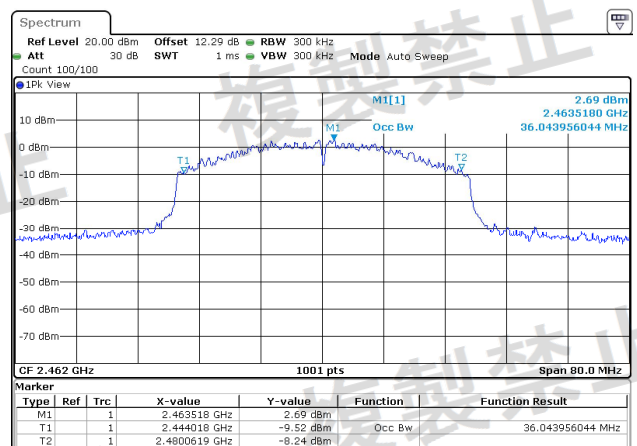
NTNV-11AX40SISO-Ant1-2422-PASS



NTNV-11AX40SISO-Ant1-2442-PASS

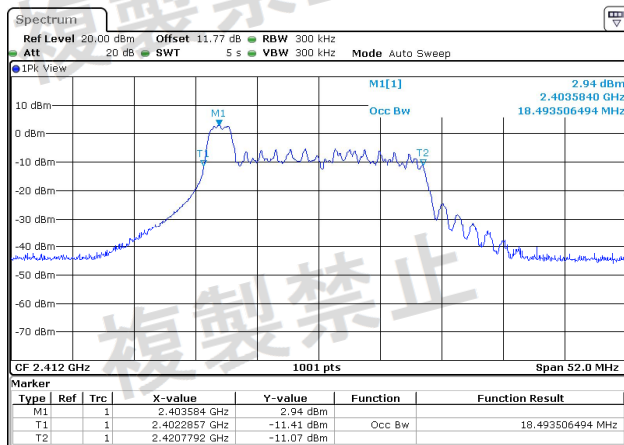


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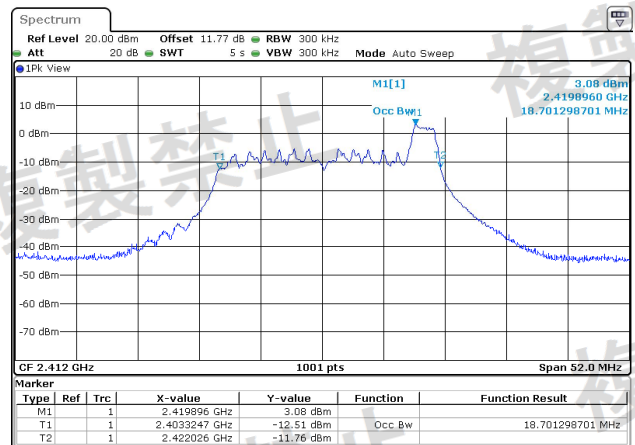




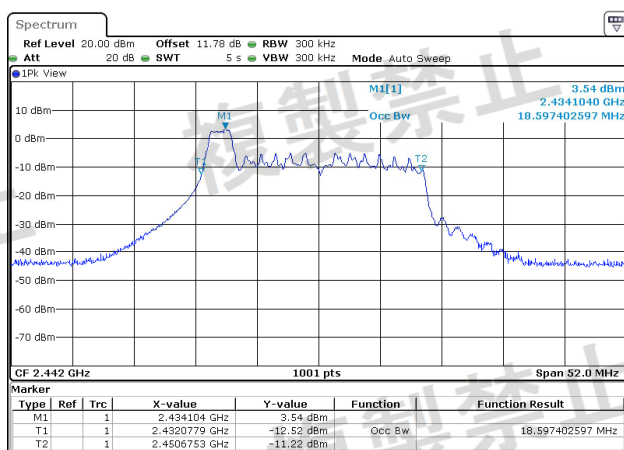
NTNV-11AX20SISO-Ant1-2412-26Tone-RU0-PASS



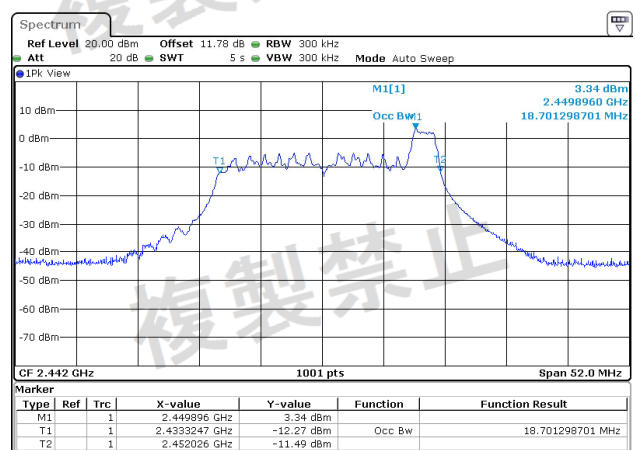
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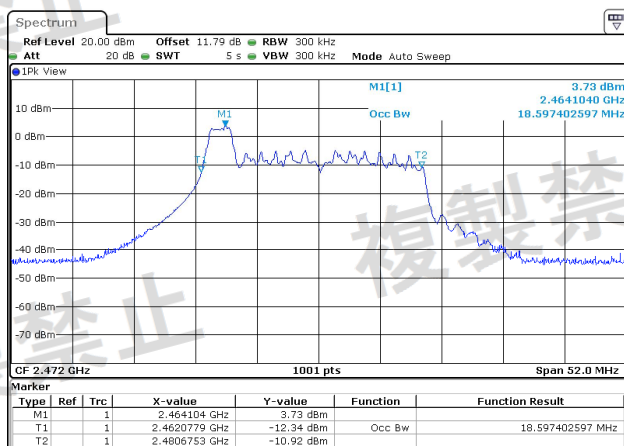
NTNV-11AX20SISO-Ant1-2442-26Tone-RU0-PASS



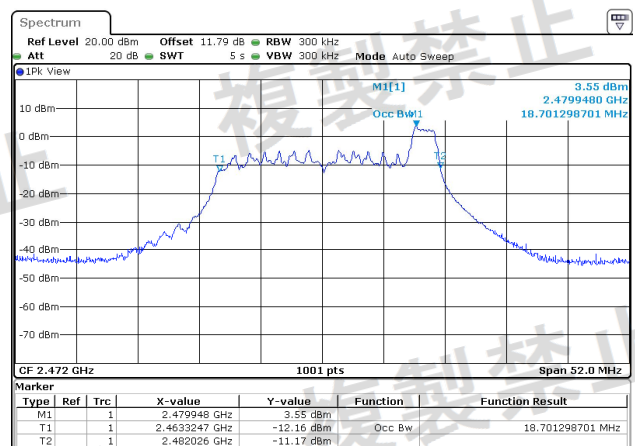
NTNV-11AX20SISO-Ant1-2442-26Tone-RU8-PASS



NTNV-11AX20SISO-Ant1-2472-26Tone-RU0-PASS



NTNV-11AX20SISO-Ant1-2472-26Tone-RU8-PASS



2.3. Antenna Power and Deviation Measurement

2.3.1. Limits

Item	Limits
Antenna Power	$\leq 10 \text{ mW/MHz}$ (OFDM, DS OBW less than 26 MHz) $\leq 5 \text{ mW/MHz}$ (OFDM for OBW between 26 MHz and 40 MHz)
Antenna Power deviation	+20%

2.3.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.3.3. Test Procedure

- 1 Search out the frequency when the antenna power is maximum and the spectrum analyzer is set as follows:

RBW: 1 MHz / VBW: 1 MHz / Span: Approximately twice the occupied frequency bandwidth. / Sweep time: Auto / Detector: Peak. / Trace Mode: Max Hold.

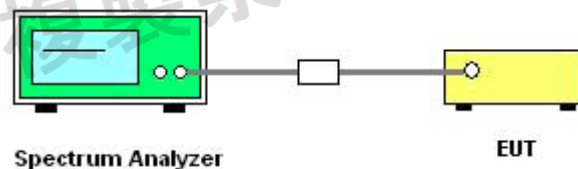
- 2 Measure the maximum antenna power and set the spectrum analyzer as follows.:

Center Frequency: The frequency that provides the maximum power in step 1 / RBW: 1 MHz. / VBW: 1 MHz. / Span: 0 Hz. / Scan Mode: Continuous Scan. / Detector: RMS. / Trace Mode: Average.

- 3 Calculated the Maximum deviation and recorded the results.

Deviation = (Antenna Power - Rated Output Power) / Rated Output Power * 100%.

2.3.4. Test Setup



2.3.5. Test Deviation

There is no deviation with the original standard.

2.3.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.3.7. Test Result of Antenna Power and Deviation

Antenna Power:

Test Mode	Antenna	Freq. [MHz]	Power [dBm/MHz]	Power [mW/MHz]	Limit [mW/MHz]	Verdict
11B	Ant1	2412	8.14	6.5163	≤10	PASS
11B	Ant1	2442	8.24	6.6681	≤10	PASS
11B	Ant1	2472	8.05	6.3826	≤10	PASS
11G	Ant1	2412	2.94	1.9679	≤10	PASS
11G	Ant1	2442	2.94	1.9679	≤10	PASS
11G	Ant1	2472	2.10	1.6218	≤10	PASS
11N20SISO	Ant1	2412	2.72	1.8707	≤10	PASS
11N20SISO	Ant1	2442	2.69	1.8578	≤10	PASS
11N20SISO	Ant1	2472	2.32	1.7061	≤10	PASS
11N40SISO	Ant1	2422	0.14	1.0328	≤5	PASS
11N40SISO	Ant1	2442	0.66	1.1641	≤5	PASS
11N40SISO	Ant1	2462	0.05	1.0116	≤5	PASS
11AX20SISO	Ant1	2412	2.31	1.7022	≤10	PASS
11AX20SISO	Ant1	2442	2.49	1.7742	≤10	PASS
11AX20SISO	Ant1	2472	2.34	1.7140	≤10	PASS
11AX40SISO	Ant1	2422	-0.80	0.8318	≤5	PASS
11AX40SISO	Ant1	2442	-0.42	0.9078	≤5	PASS
11AX40SISO	Ant1	2462	-0.76	0.8395	≤5	PASS

Test Mode	Antenna	Freq. [MHz]	Ru Size	Ru Index	Power [mW/MHz]	Limit [mW/MHz]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	0.8995	≤10	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	0.8954	≤10	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	0.9354	≤10	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	0.9484	≤10	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	0.9705	≤10	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	1.0069	≤10	PASS

Antenna Power Deviation:

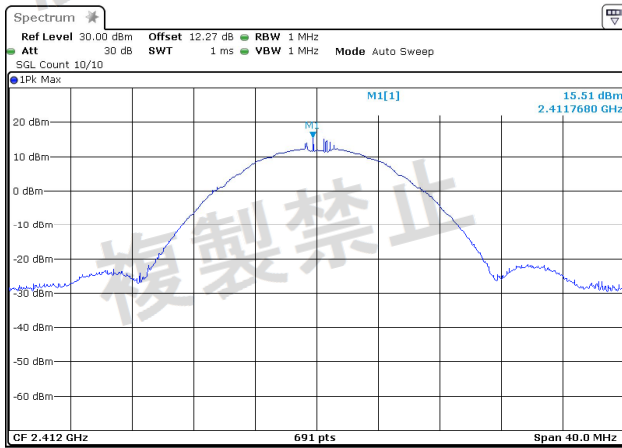
Test Mode	Antenna	Freq. [MHz]	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
11B	Ant1	2412	6.5163	7	-6.91	+20	PASS
11B	Ant1	2442	6.6681	7	-4.74	+20	PASS
11B	Ant1	2472	6.3826	7	-8.82	+20	PASS
11G	Ant1	2412	1.9679	2	-1.61	+20	PASS
11G	Ant1	2442	1.9679	2	-1.61	+20	PASS
11G	Ant1	2472	1.6218	2	-18.91	+20	PASS
11N20SISO	Ant1	2412	1.8707	2	-6.47	+20	PASS
11N20SISO	Ant1	2442	1.8578	2	-7.11	+20	PASS
11N20SISO	Ant1	2472	1.7061	2	-14.70	+20	PASS
11N40SISO	Ant1	2422	1.0328	1	3.28	+20	PASS
11N40SISO	Ant1	2442	1.1641	1	16.41	+20	PASS
11N40SISO	Ant1	2462	1.0116	1	1.16	+20	PASS
11AX20SISO	Ant1	2412	1.7022	2	-14.89	+20	PASS
11AX20SISO	Ant1	2442	1.7742	2	-11.29	+20	PASS
11AX20SISO	Ant1	2472	1.7140	2	-14.30	+20	PASS
11AX40SISO	Ant1	2422	0.8318	1	-16.82	+20	PASS
11AX40SISO	Ant1	2442	0.9078	1	-9.22	+20	PASS
11AX40SISO	Ant1	2462	0.8395	1	-16.05	+20	PASS

Test Mode	Antenna	Freq. [MHz]	Ru Size	Ru Index	Power [mW/MHz]	Rated Power [mW/MHz]	Result [%]	Limit [%]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	0.8995	1	-10.05	+20	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	0.8954	1	-10.46	+20	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	0.9354	1	-6.46	+20	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	0.9484	1	-5.16	+20	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	0.9705	1	-2.95	+20	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	1.0069	1	0.69	+20	PASS

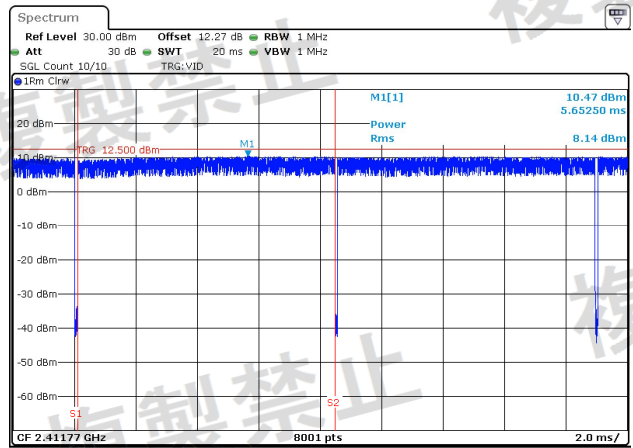
Note: The rated power is declared by the manufacturer.

Test Graphs

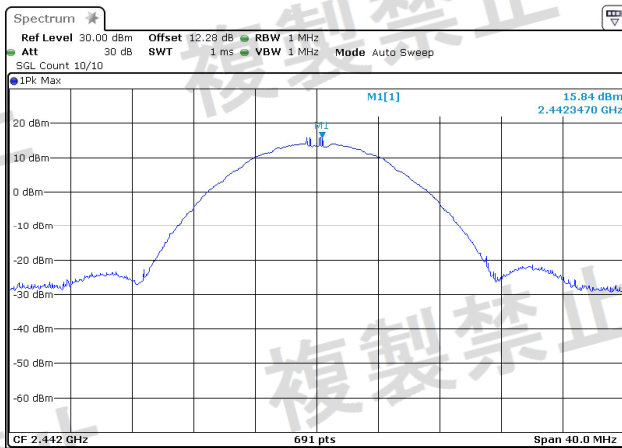
NTNV-11B-Ant1-2412-PASS



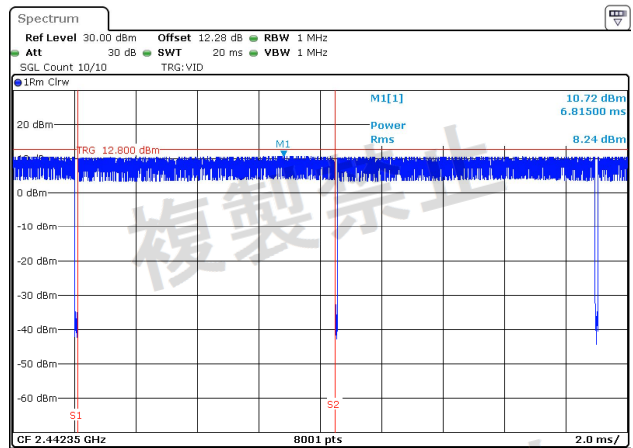
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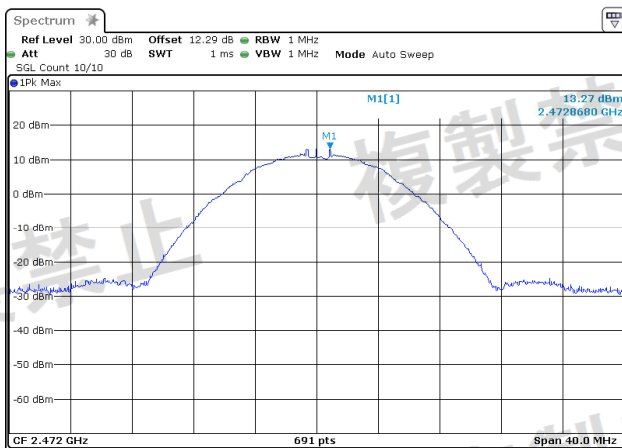
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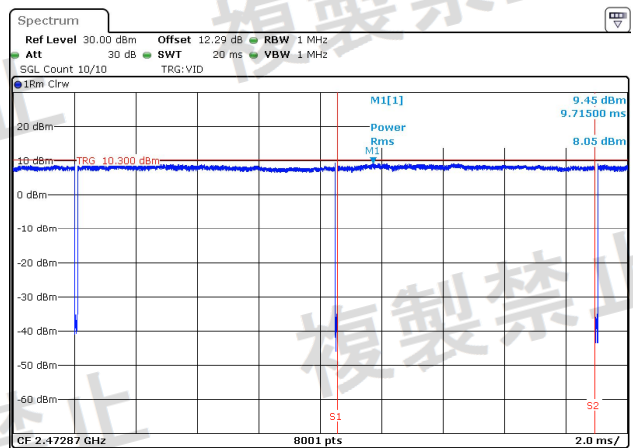
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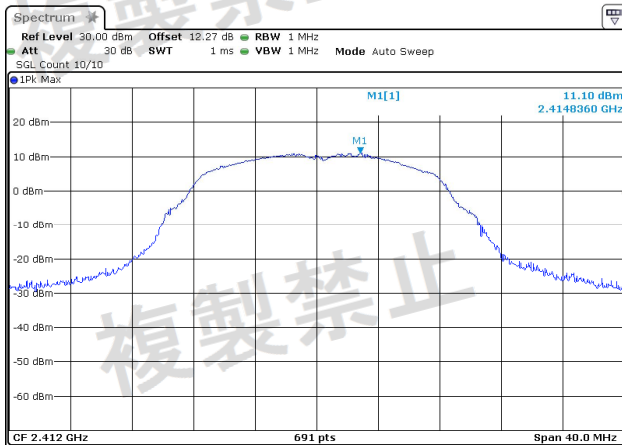
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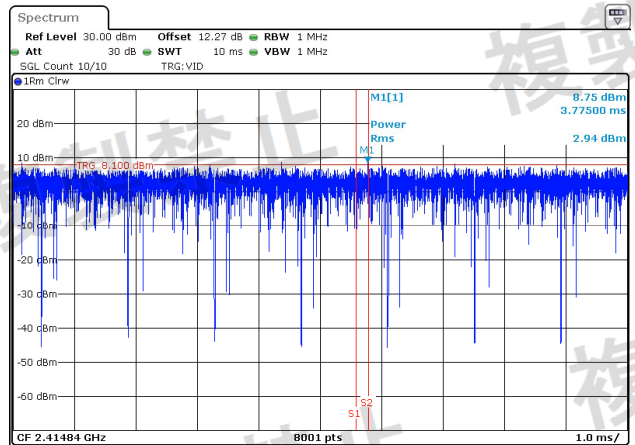
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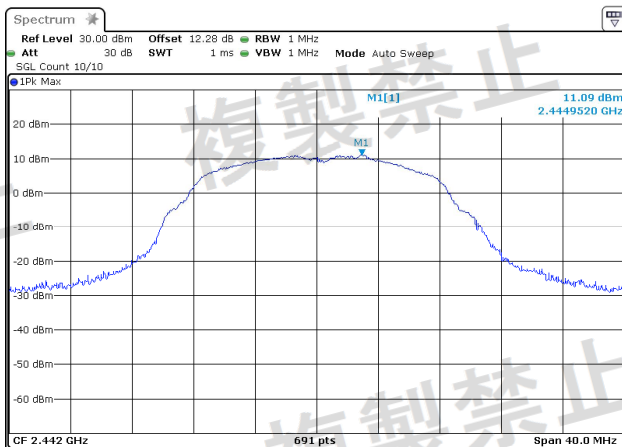
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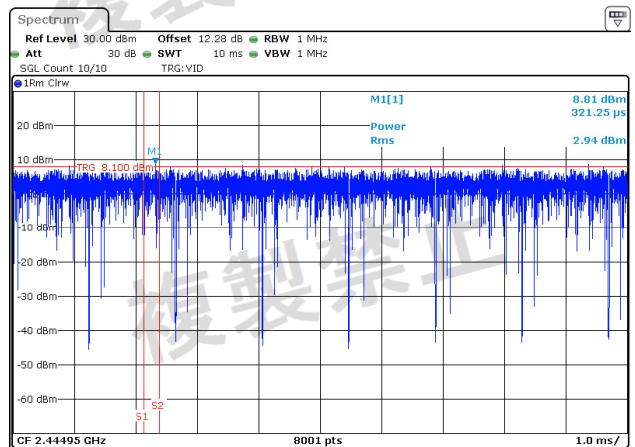
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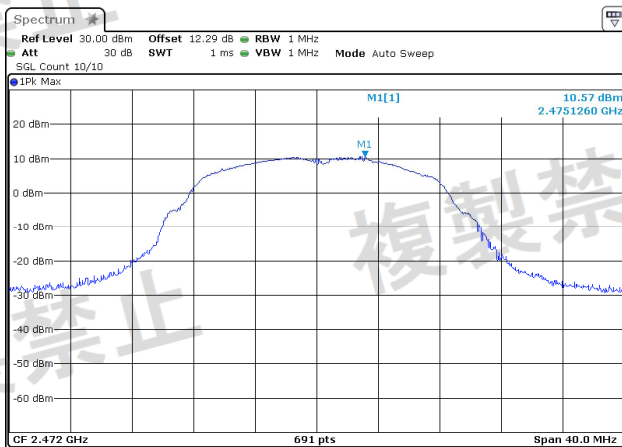
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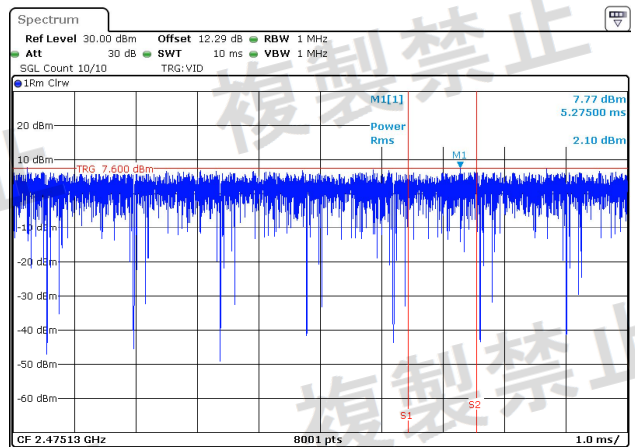
NTNV-11G-Ant1-2442-PASS



NTNV-11G-Ant1-2472-PASS



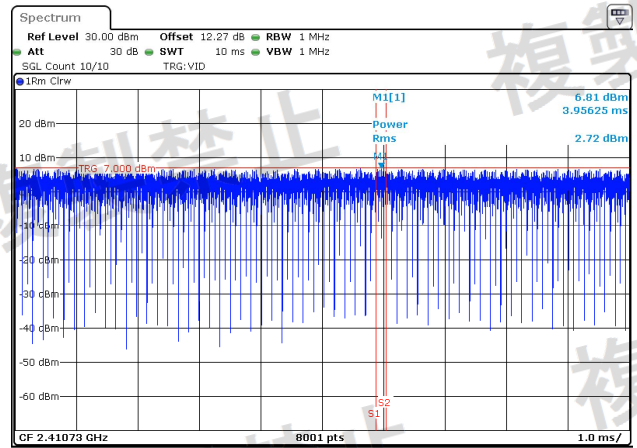
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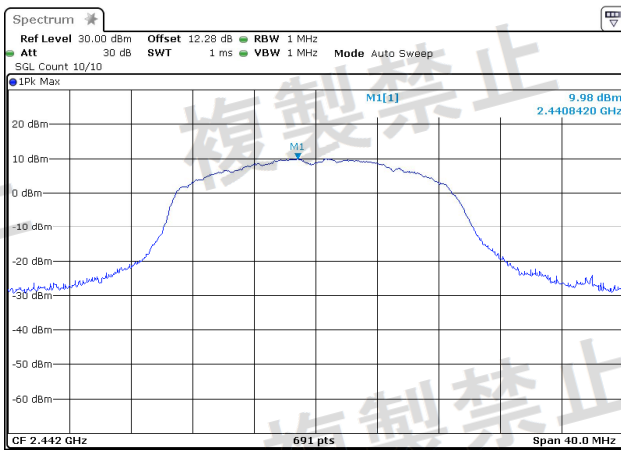
NTNV-11N20SISO-Ant1-2412-PASS



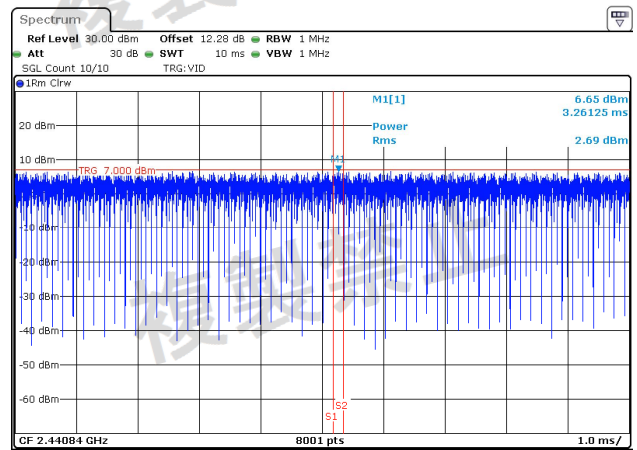
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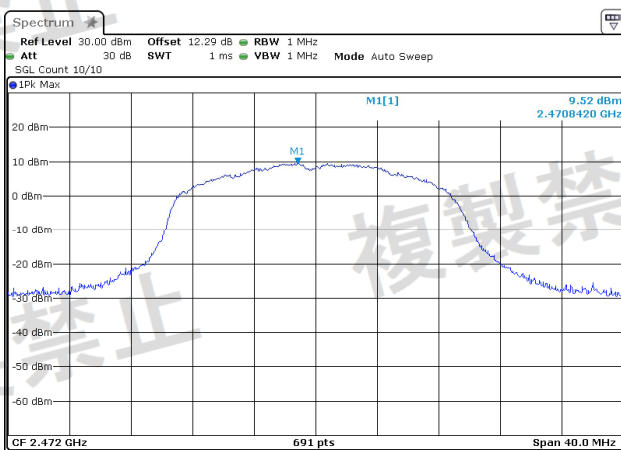
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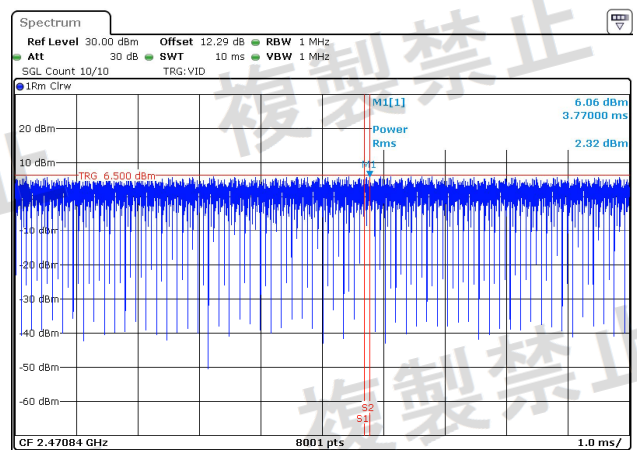
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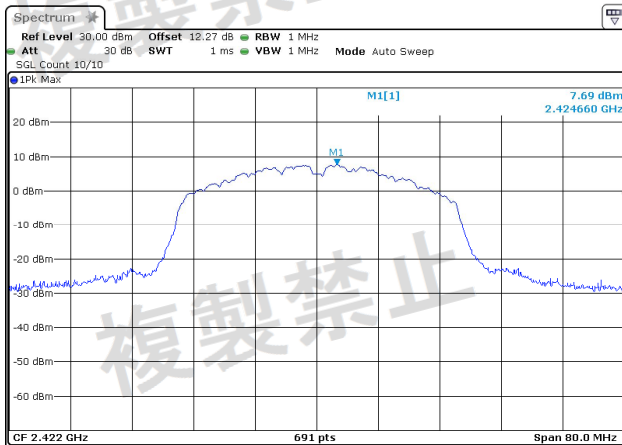
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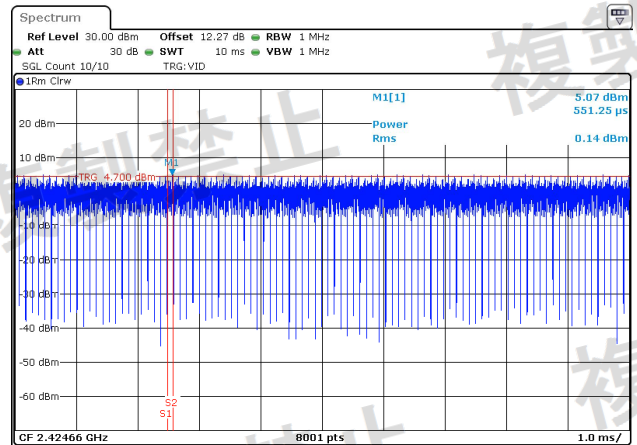
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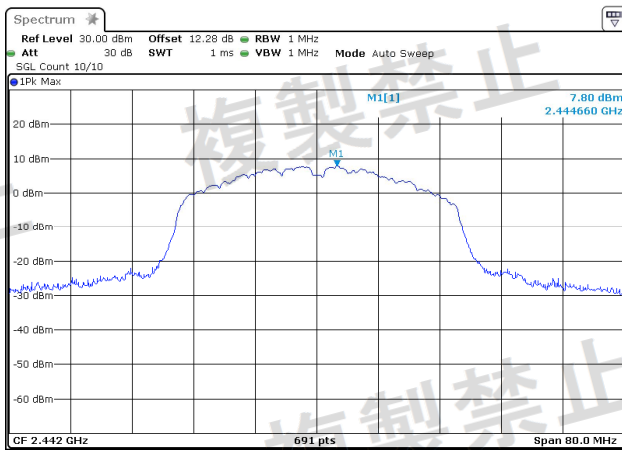
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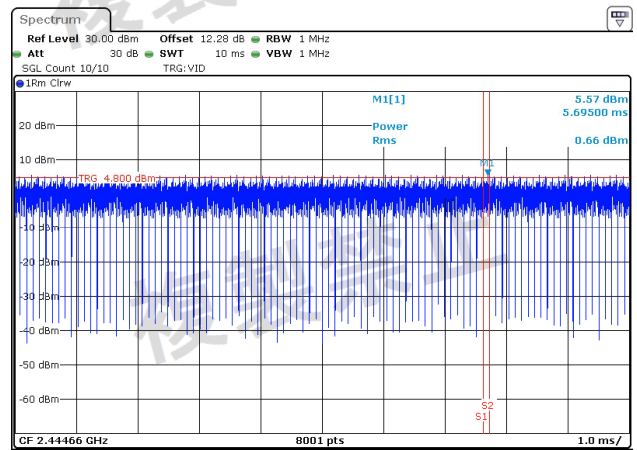
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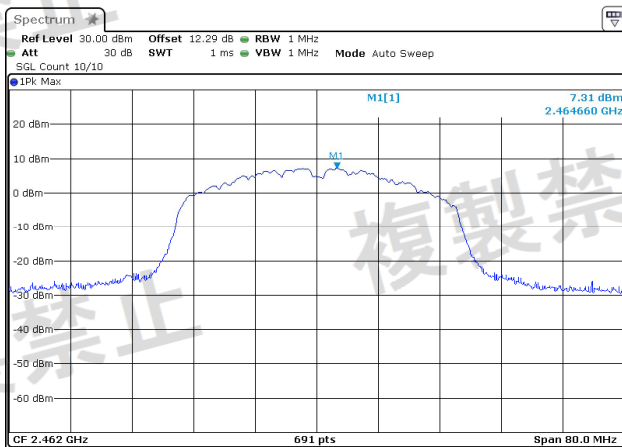
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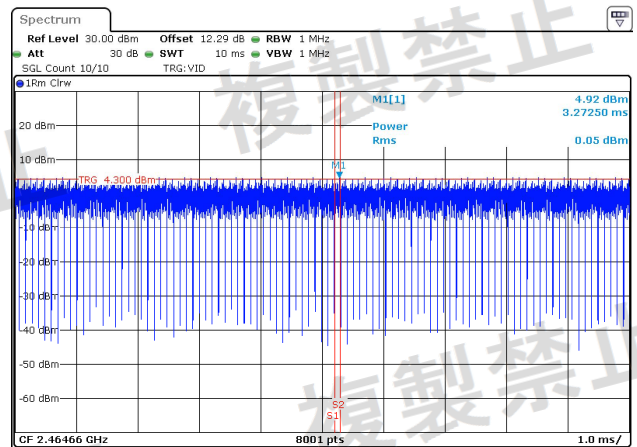
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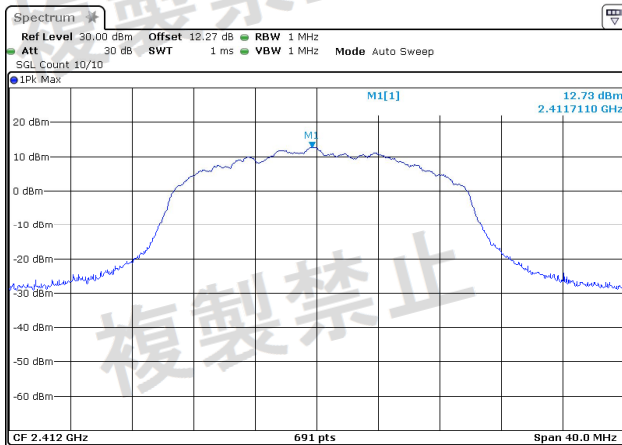
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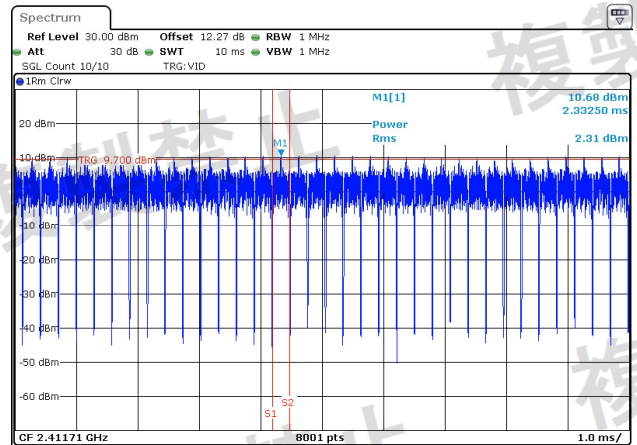
NTNV-11N40SISO-Ant1-2462-PASS



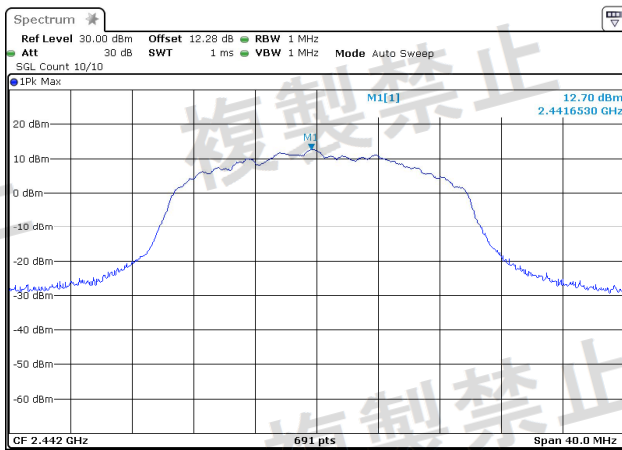
NTNV-11AX20SISO-Ant1-2412-PASS



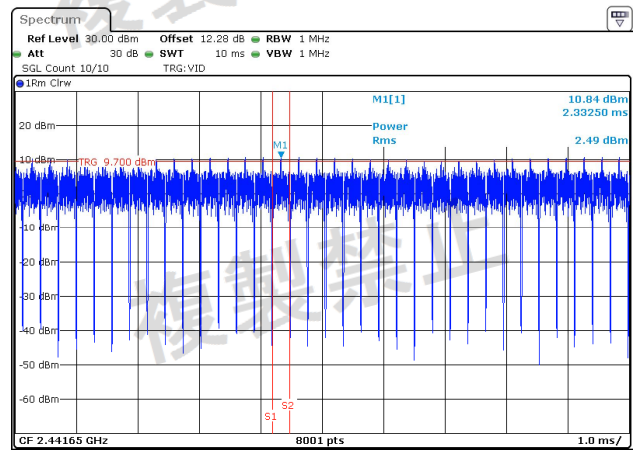
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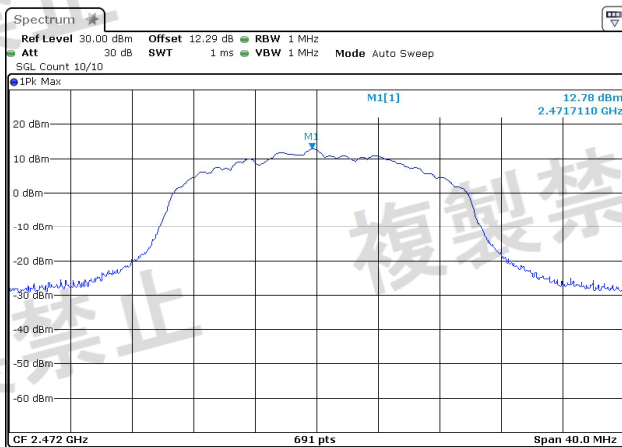
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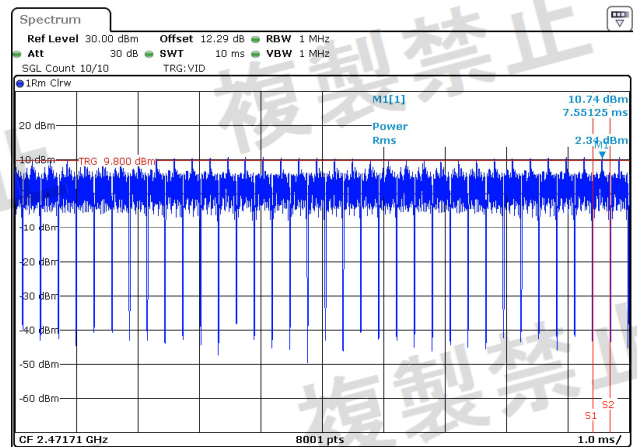
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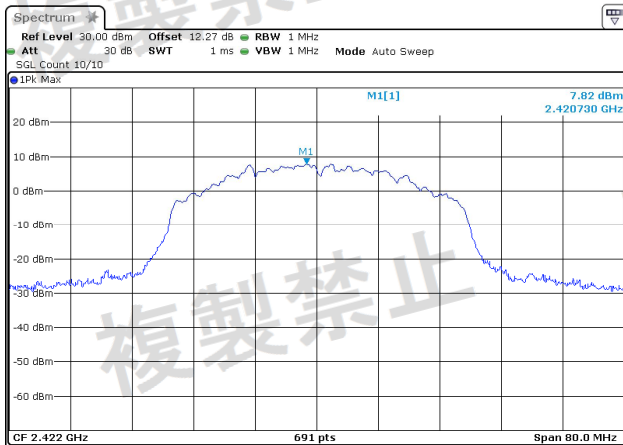
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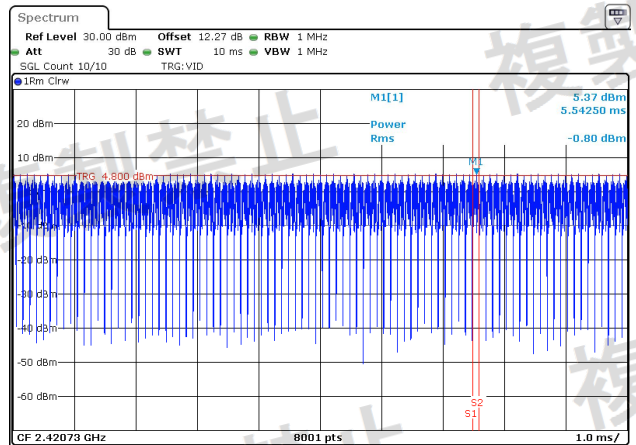
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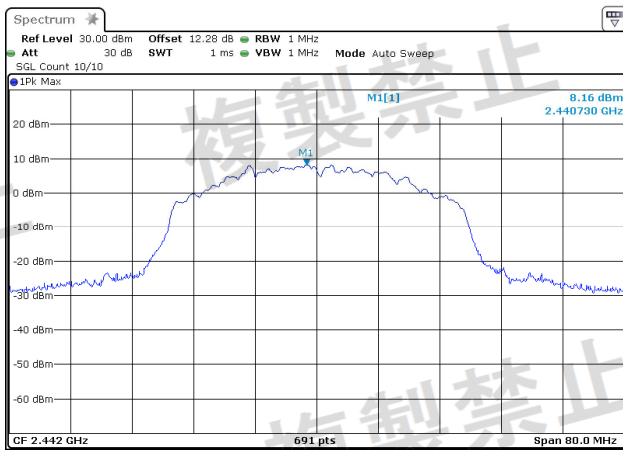
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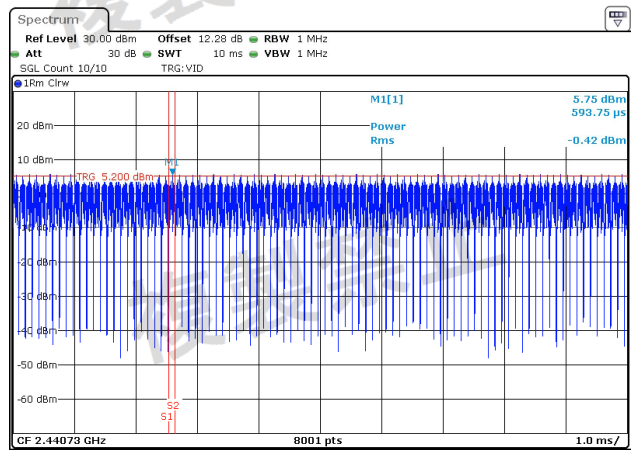
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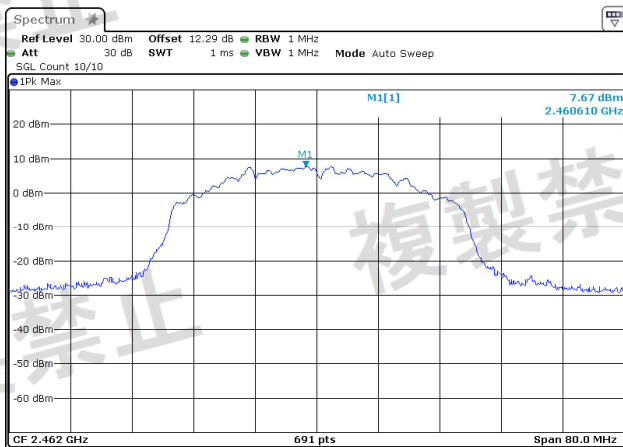
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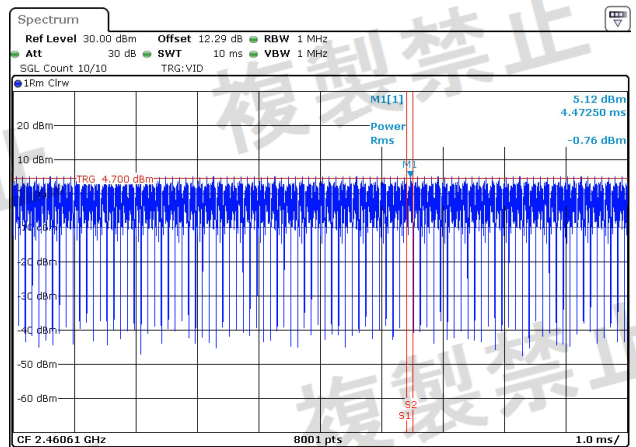
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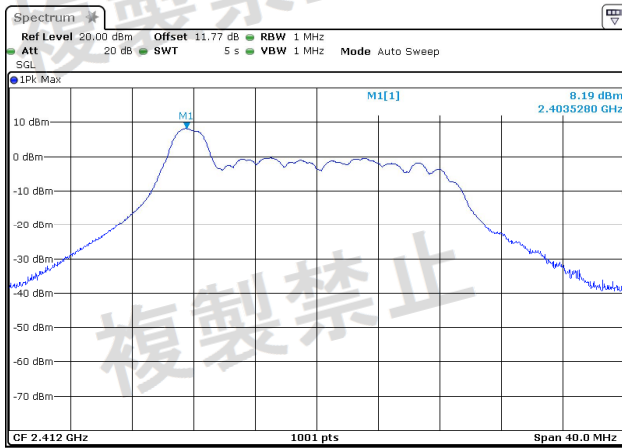
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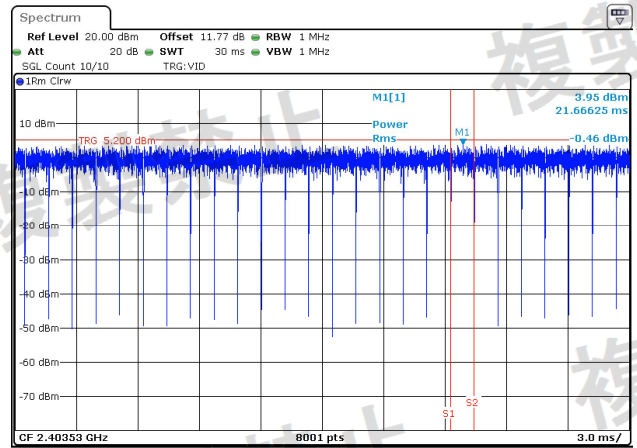
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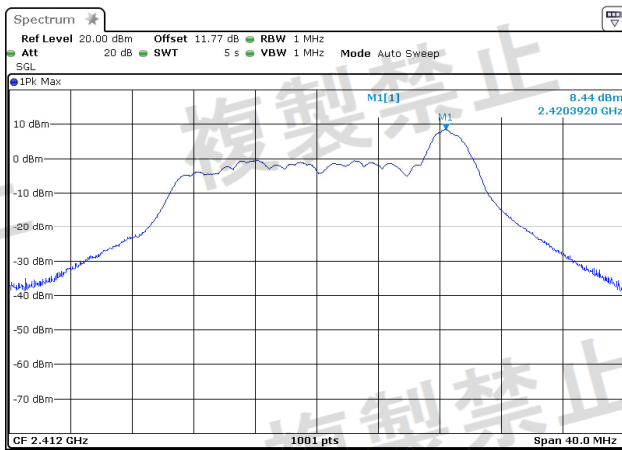
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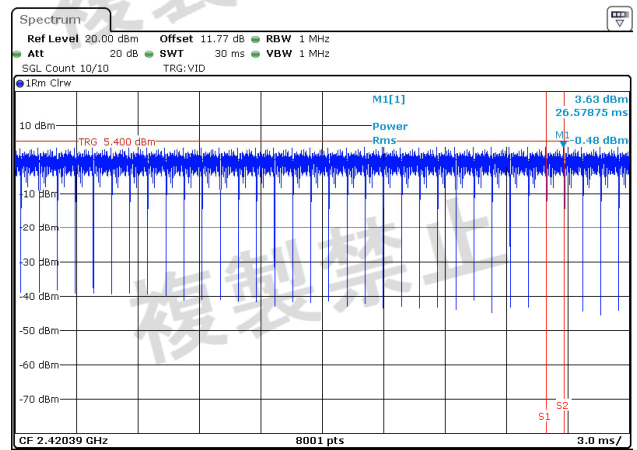
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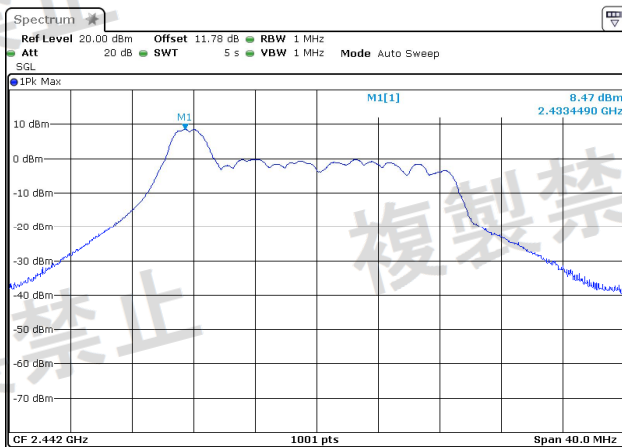
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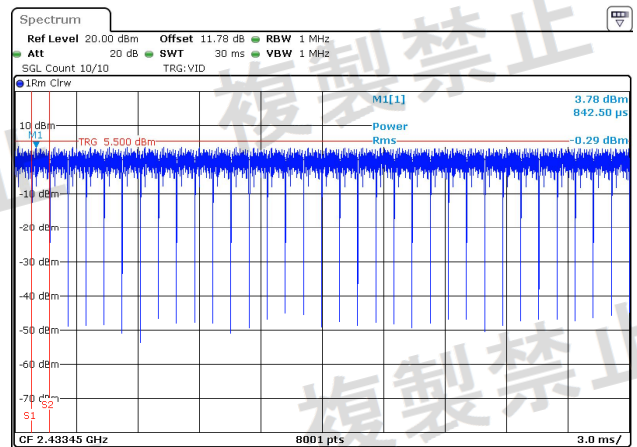
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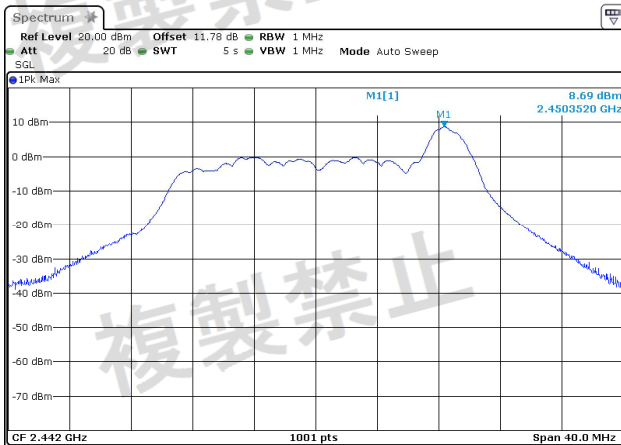
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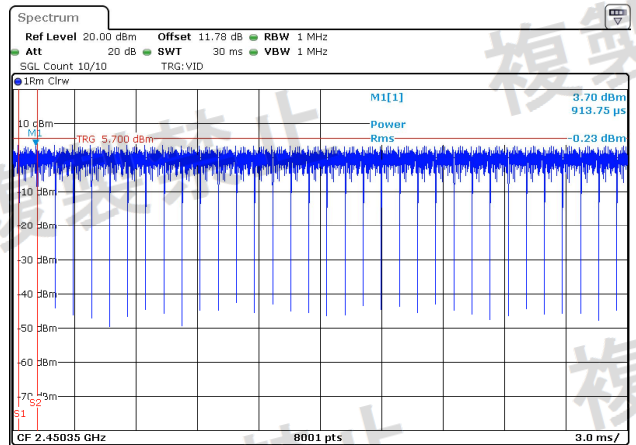
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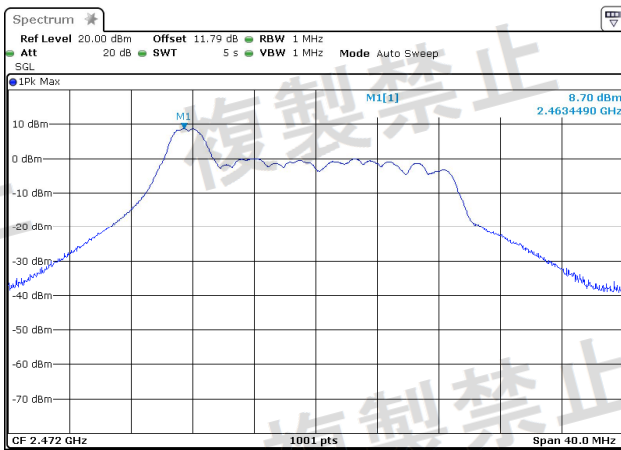
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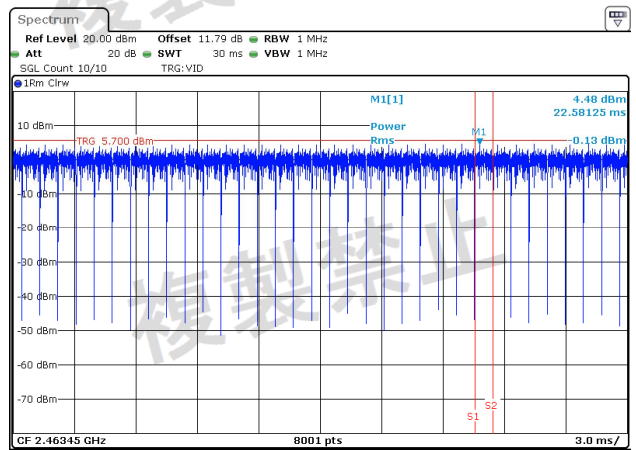
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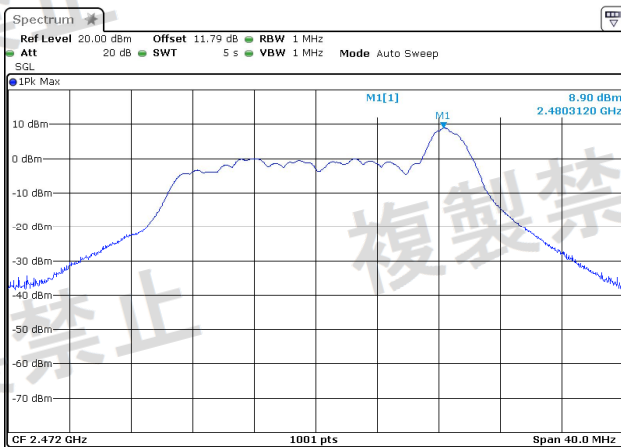
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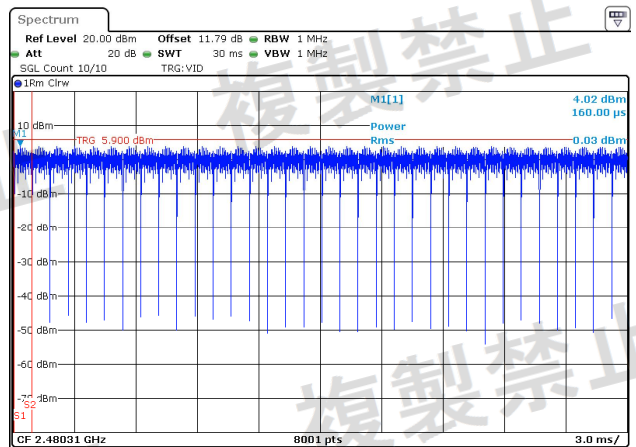
NTNV-11AX20SISO-Ant1-2472-26Tone-RU0-PASS



NTNV-11AX20SISO-Ant1-2472-26Tone-RU8-PASS



NTNV-11AX20SISO-Ant1-2472-26Tone-RU8-PASS



2.4. Unwanted Emission Intensity Measurement

2.4.1. Limits

Item	Limits
Unwanted Emission Intensity	$\leq 2.5 \mu\text{W}$ ($f < 2387 \text{ MHz}$; $f > 2496.5 \text{ MHz}$) $\leq 25 \mu\text{W}$ ($2387 \text{ MHz} \leq f < 2400 \text{ MHz}$) and ($2483.5 \text{ MHz} < f \leq 2496.5 \text{ MHz}$)

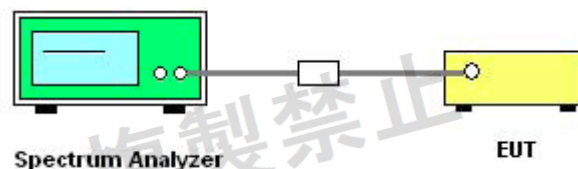
2.4.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.4.3. Test Procedures

- 1 EUT have transmitted the maximum modulation signal and fixed channelize.
- 2 Setting of SA is following as: RBW:1 MHz / VBW:1 MHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
- 3 Setting of SA is following as 30 MHz and stop frequency 1000 MHz Then to mark peak reading value + cable loss shall be less than 2.5 μW .
- 4 Setting of SA is following as 1000 MHz and stop frequency 2387 MHz Then to mark peak reading value + cable loss shall be less than 2.5 μW .
- 5 SA adjusted to start frequency 2387 MHz and stop frequency 2400 MHz. Then to mark peak reading value + cable loss shall be less than 25 μW .
- 6 SA adjusted to start frequency 2483.5 MHz and stop frequency 2496.5 MHz Then to mark peak reading value + cable loss shall be less than 25 μW .
- 7 SA adjusted to start frequency 2496.5 MHz and stop frequency 13000 MHz Then to mark peak reading value + cable loss shall be less than 2.5 μW .
- 8 If the Result Value is over the requirement, take total sum of 1 MHz band centered at the spur frequency like ACLP measurement as Result Value.

2.4.4. Test Setup Layout



2.4.5. Test Deviation

There is no deviation with the original standard.

2.4.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4.7. Test Result of Unwanted Emission Intensity

Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
11B	Ant1	2412	30~2387	753.89	-34.42	0.36141	≤2.5	PASS
11B	Ant1	2412	2387~2400	2398.47	-23.98	3.99945	≤25	PASS
11B	Ant1	2412	2483.5~2496.5	2485.83	-35.69	0.26977	≤25	PASS
11B	Ant1	2412	2496.5~13000	6933.93	-33.49	0.44771	≤2.5	PASS
11B	Ant1	2442	30~2387	1150.16	-34.54	0.35156	≤2.5	PASS
11B	Ant1	2442	2387~2400	2387.64	-36.26	0.23659	≤25	PASS
11B	Ant1	2442	2483.5~2496.5	2494.01	-35.97	0.25293	≤25	PASS
11B	Ant1	2442	2496.5~13000	5431.85	-33.63	0.43351	≤2.5	PASS
11B	Ant1	2472	30~2387	910.04	-35.43	0.28642	≤2.5	PASS
11B	Ant1	2472	2387~2400	2387.69	-35.98	0.25235	≤25	PASS
11B	Ant1	2472	2483.5~2496.5	2483.54	-26.51	2.23357	≤25	PASS
11B	Ant1	2472	2496.5~13000	6928.67	-33.88	0.40926	≤2.5	PASS
11G	Ant1	2412	30~2387	769.80	-35.06	0.31189	≤2.5	PASS
11G	Ant1	2412	2387~2400	2399.92	-20.72	8.47227	≤25	PASS
11G	Ant1	2412	2483.5~2496.5	2492.44	-35.88	0.25823	≤25	PASS
11G	Ant1	2412	2496.5~13000	11162.85	-33.76	0.42073	≤2.5	PASS
11G	Ant1	2442	30~2387	990.48	-35.77	0.26485	≤2.5	PASS
11G	Ant1	2442	2387~2400	2393.76	-35.83	0.26122	≤25	PASS
11G	Ant1	2442	2483.5~2496.5	2493.79	-36.11	0.24491	≤25	PASS
11G	Ant1	2442	2496.5~13000	10636.59	-32.47	0.56624	≤2.5	PASS
11G	Ant1	2472	30~2387	1090.94	-35.10	0.30903	≤2.5	PASS
11G	Ant1	2472	2387~2400	2388.17	-35.28	0.29648	≤25	PASS
11G	Ant1	2472	2483.5~2496.5	2483.51	-16.49	22.43882	≤25	PASS
11G	Ant1	2472	2496.5~13000	12611.88	-33.51	0.44566	≤2.5	PASS
11N20SISO	Ant1	2412	30~2387	848.17	-35.31	0.29444	≤2.5	PASS
11N20SISO	Ant1	2412	2387~2400	2399.97	-22.59	5.50808	≤25	PASS
11N20SISO	Ant1	2412	2483.5~2496.5	2493.40	-35.83	0.26122	≤25	PASS
11N20SISO	Ant1	2412	2496.5~13000	6927.10	-32.22	0.59979	≤2.5	PASS
11N20SISO	Ant1	2442	30~2387	1028.48	-35.29	0.29580	≤2.5	PASS
11N20SISO	Ant1	2442	2387~2400	2393.42	-36.23	0.23823	≤25	PASS
11N20SISO	Ant1	2442	2483.5~2496.5	2491.55	-35.10	0.30903	≤25	PASS
11N20SISO	Ant1	2442	2496.5~13000	6897.16	-33.84	0.41305	≤2.5	PASS
11N20SISO	Ant1	2472	30~2387	950.41	-34.82	0.32961	≤2.5	PASS
11N20SISO	Ant1	2472	2387~2400	2390.49	-36.56	0.22080	≤25	PASS
11N20SISO	Ant1	2472	2483.5~2496.5	2483.51	-18.41	14.42115	≤25	PASS



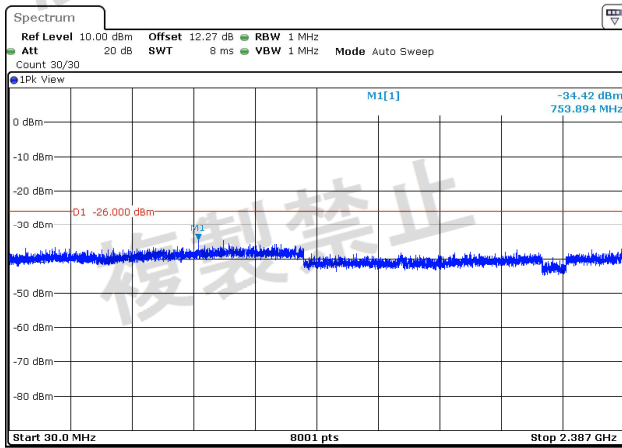
11N20SISO	Ant1	2472	2496.5~13000	6898.74	-33.44	0.45290	≤2.5	PASS
11N40SISO	Ant1	2422	30~2387	2384.94	-32.76	0.52966	≤2.5	PASS
11N40SISO	Ant1	2422	2387~2400	2397.72	-24.71	3.38065	≤25	PASS
11N40SISO	Ant1	2422	2483.5~2496.5	2485.92	-35.69	0.26977	≤25	PASS
11N40SISO	Ant1	2422	2496.5~13000	6163.98	-32.78	0.52723	≤2.5	PASS
11N40SISO	Ant1	2442	30~2387	821.66	-35.30	0.29512	≤2.5	PASS
11N40SISO	Ant1	2442	2387~2400	2397.53	-34.41	0.36224	≤25	PASS
11N40SISO	Ant1	2442	2483.5~2496.5	2486.02	-34.14	0.38548	≤25	PASS
11N40SISO	Ant1	2442	2496.5~13000	6972.79	-32.68	0.53951	≤2.5	PASS
11N40SISO	Ant1	2462	30~2387	715.30	-35.48	0.28314	≤2.5	PASS
11N40SISO	Ant1	2462	2387~2400	2392.26	-35.49	0.28249	≤25	PASS
11N40SISO	Ant1	2462	2483.5~2496.5	2483.55	-24.39	3.63915	≤25	PASS
11N40SISO	Ant1	2462	2496.5~13000	11154.44	-33.38	0.45920	≤2.5	PASS
11AX20SISO	Ant1	2412	30~2387	1041.15	-35.27	0.29717	≤2.5	PASS
11AX20SISO	Ant1	2412	2387~2400	2399.94	-21.33	7.36207	≤25	PASS
11AX20SISO	Ant1	2412	2483.5~2496.5	2491.24	-36.38	0.23014	≤25	PASS
11AX20SISO	Ant1	2412	2496.5~13000	6903.99	-32.93	0.50933	≤2.5	PASS
11AX20SISO	Ant1	2442	30~2387	836.68	-35.57	0.27733	≤2.5	PASS
11AX20SISO	Ant1	2442	2387~2400	2391.72	-36.27	0.23605	≤25	PASS
11AX20SISO	Ant1	2442	2483.5~2496.5	2485.54	-36.05	0.24831	≤25	PASS
11AX20SISO	Ant1	2442	2496.5~13000	6925.52	-33.32	0.46559	≤2.5	PASS
11AX20SISO	Ant1	2472	30~2387	633.39	-35.71	0.26853	≤2.5	PASS
11AX20SISO	Ant1	2472	2387~2400	2390.82	-35.89	0.25763	≤25	PASS
11AX20SISO	Ant1	2472	2483.5~2496.5	2483.50	-17.02	19.86095	≤25	PASS
11AX20SISO	Ant1	2472	2496.5~13000	6181.31	-33.42	0.45499	≤2.5	PASS
11AX40SISO	Ant1	2422	30~2387	2386.71	-31.32	0.73790	≤2.5	PASS
11AX40SISO	Ant1	2422	2387~2400	2399.98	-22.94	5.08159	≤25	PASS
11AX40SISO	Ant1	2422	2483.5~2496.5	2487.92	-35.77	0.26485	≤25	PASS
11AX40SISO	Ant1	2422	2496.5~13000	6936.03	-33.34	0.46345	≤2.5	PASS
11AX40SISO	Ant1	2442	30~2387	872.92	-34.81	0.33037	≤2.5	PASS
11AX40SISO	Ant1	2442	2387~2400	2399.30	-34.61	0.34594	≤25	PASS
11AX40SISO	Ant1	2442	2483.5~2496.5	2485.93	-34.21	0.37931	≤25	PASS
11AX40SISO	Ant1	2442	2496.5~13000	5373.55	-33.01	0.50003	≤2.5	PASS
11AX40SISO	Ant1	2462	30~2387	794.26	-34.68	0.34041	≤2.5	PASS
11AX40SISO	Ant1	2462	2387~2400	2397.34	-35.54	0.27925	≤25	PASS
11AX40SISO	Ant1	2462	2483.5~2496.5	2483.55	-21.32	7.37904	≤25	PASS
11AX40SISO	Ant1	2462	2496.5~13000	6951.26	-32.84	0.52000	≤2.5	PASS



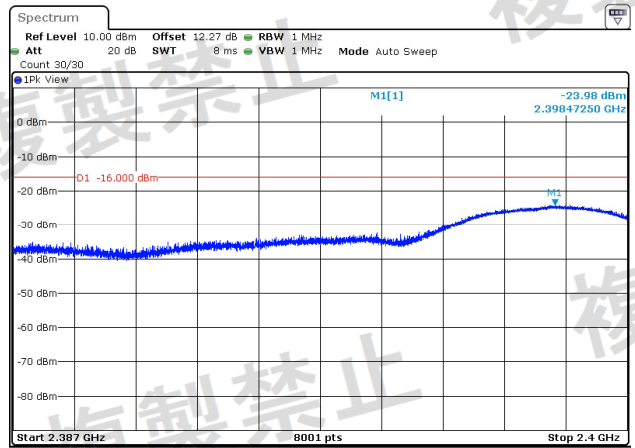
Test Mode	Antenna	Freq. [MHz]	Ru Size	Ru Index	Freq.Range [MHz]	Result [dBm/MHz]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	30~2387	-35.88	0.25823	≤2.5	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	30~2387	-35.27	0.29717	≤2.5	PASS
11AX20SISO	Ant1	2412	26Tone	RU0	2387~2400	-16.78	20.98940	≤25	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	2387~2400	-23.29	4.68813	≤25	PASS
11AX20SISO	Ant1	2412	26Tone	RU0	2483.5~2496.5	-36.75	0.21135	≤25	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	2483.5~2496.5	-36.55	0.22131	≤25	PASS
11AX20SISO	Ant1	2412	26Tone	RU0	2496.5~13000	-34.27	0.37411	≤2.5	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	2496.5~13000	-32.44	0.57016	≤2.5	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	30~2387	-35.41	0.28774	≤2.5	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	30~2387	-35.90	0.25704	≤2.5	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	2387~2400	-36.34	0.23227	≤25	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	2387~2400	-36.58	0.21979	≤25	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	2483.5~2496.5	-36.88	0.20512	≤25	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	2483.5~2496.5	-36.96	0.20137	≤25	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	2496.5~13000	-33.67	0.42954	≤2.5	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	2496.5~13000	-34.02	0.39628	≤2.5	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	30~2387	-34.32	0.36983	≤2.5	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	30~2387	-35.28	0.29648	≤2.5	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	2387~2400	-36.24	0.23768	≤25	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	2387~2400	-36.94	0.20230	≤25	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	2483.5~2496.5	-21.66	6.82339	≤25	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	2483.5~2496.5	-18.40	14.45440	≤25	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	2496.5~13000	-33.84	0.41305	≤2.5	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	2496.5~13000	-34.36	0.36644	≤2.5	PASS

Test Graphs

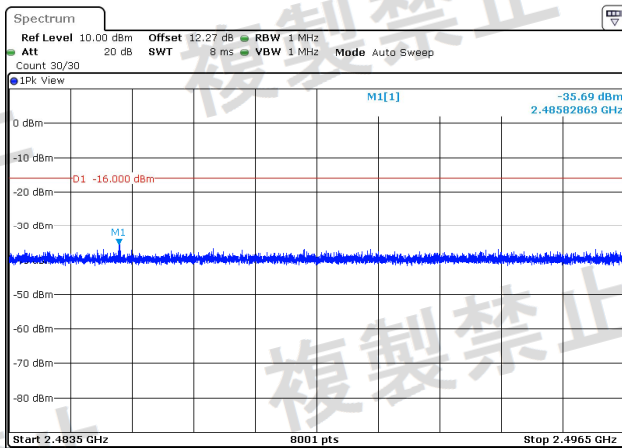
NTNV-11B-Ant1-2412-30~2387-PASS



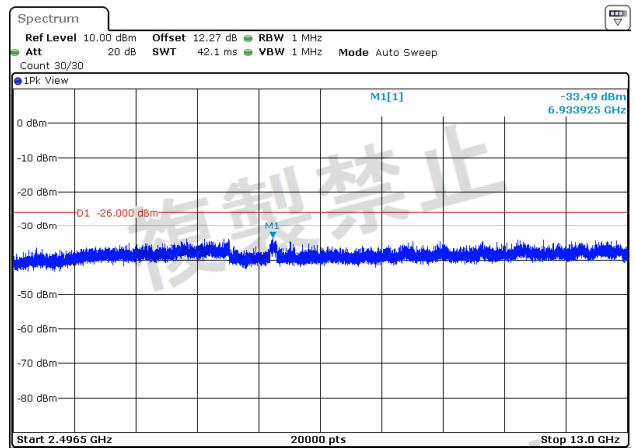
NTNV-11B-Ant1-2412-2387~2400-PASS



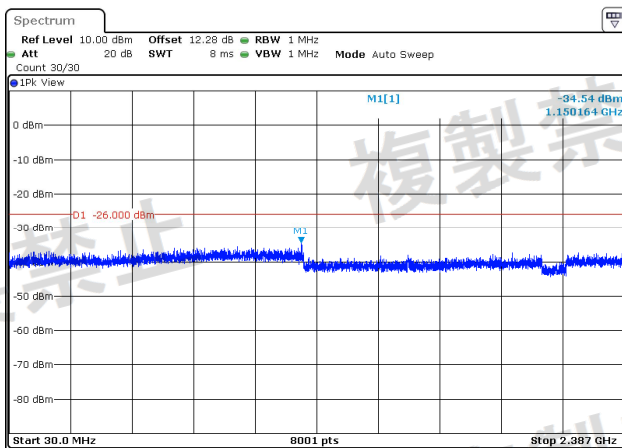
NTNV-11B-Ant1-2412-2483.5~2496.5-PASS



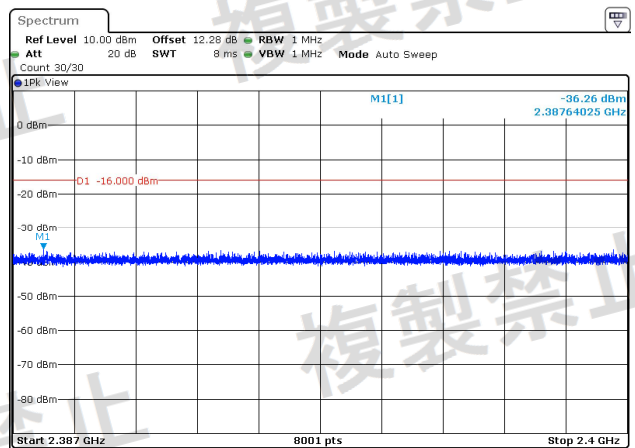
NTNV-11B-Ant1-2412-2496.5~13000-PASS



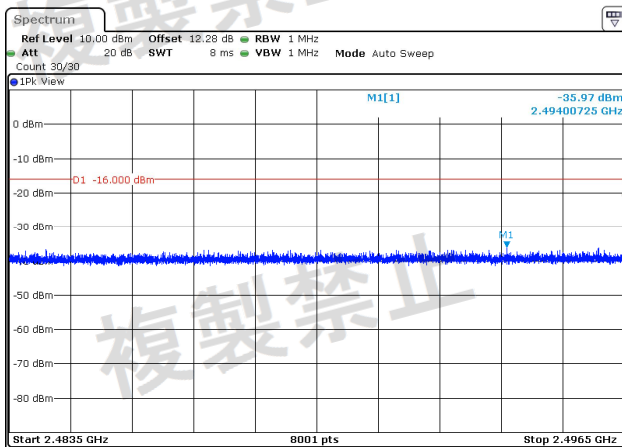
NTNV-11B-Ant1-2442-30~2387-PASS



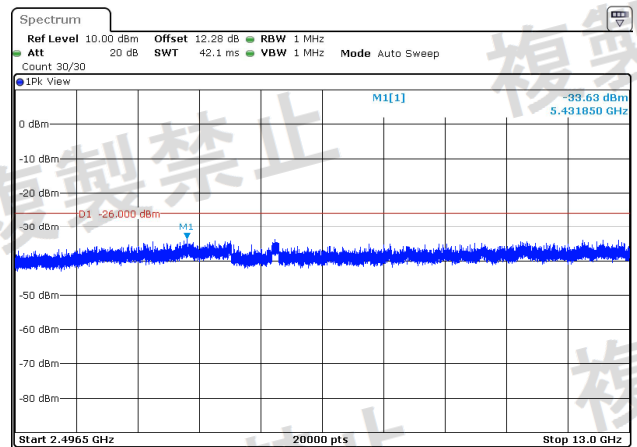
NTNV-11B-Ant1-2442-2387~2400-PASS



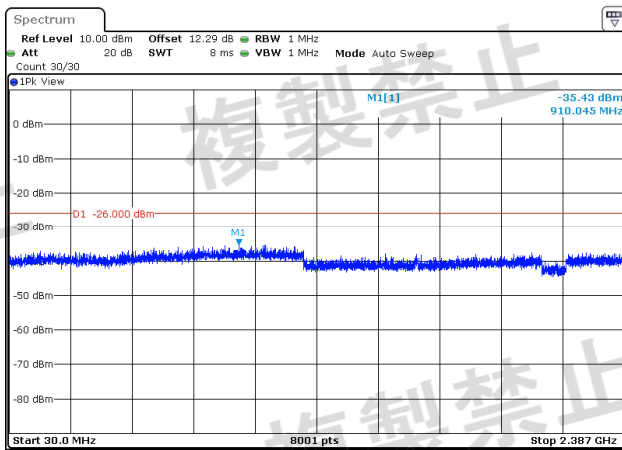
NTNV-11B-Ant1-2442-2483.5~2496.5-PASS



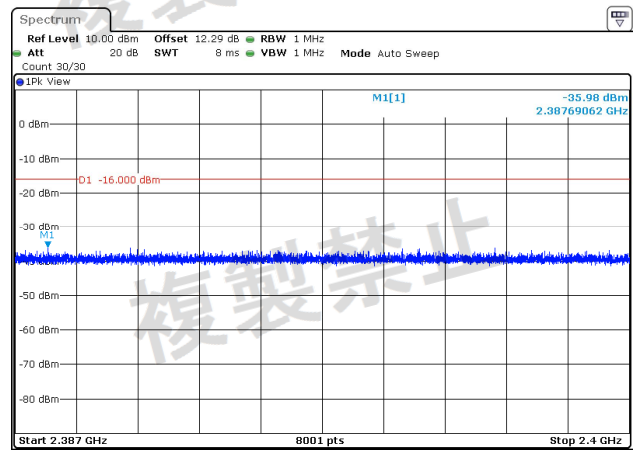
NTNV-11B-Ant1-2442-2496.5~13000-PASS



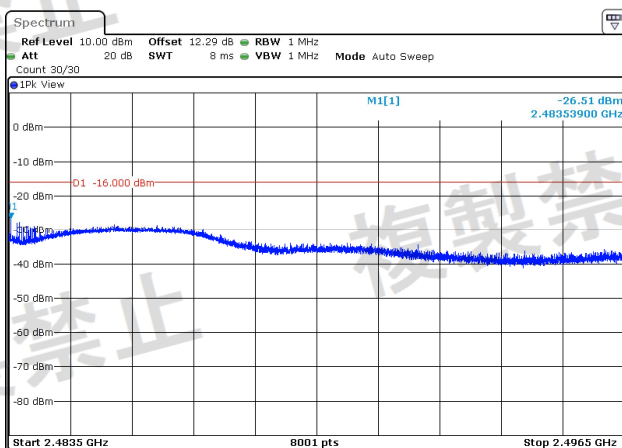
NTNV-11B-Ant1-2472-30~2387-PASS



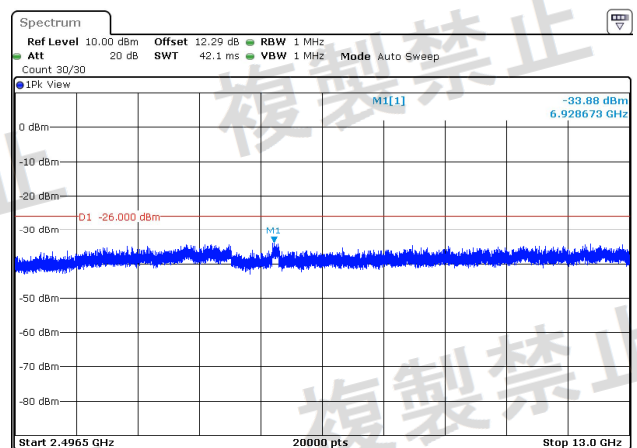
NTNV-11B-Ant1-2472-2387~2400-PASS



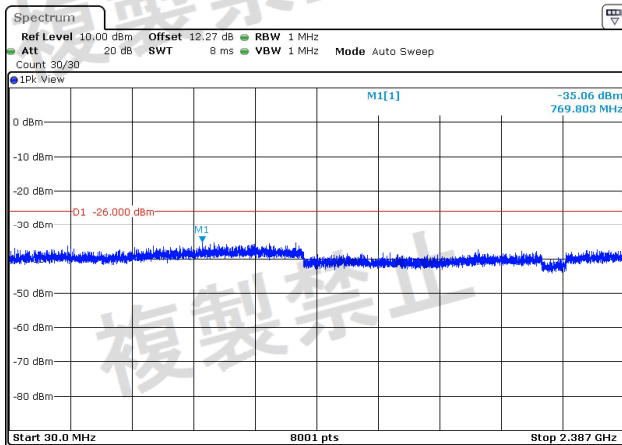
NTNV-11B-Ant1-2472-2483.5~2496.5-PASS



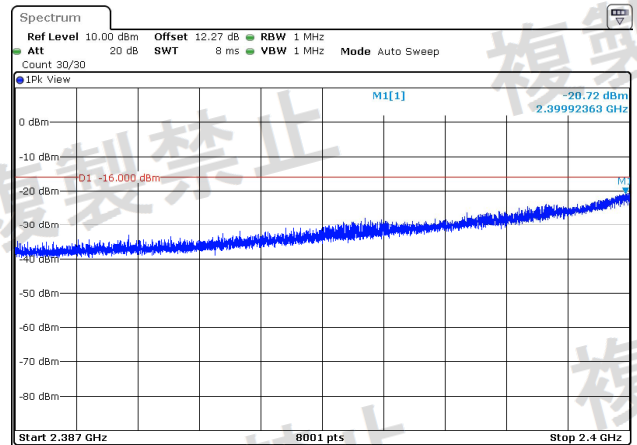
NTNV-11B-Ant1-2472-2496.5~13000-PASS



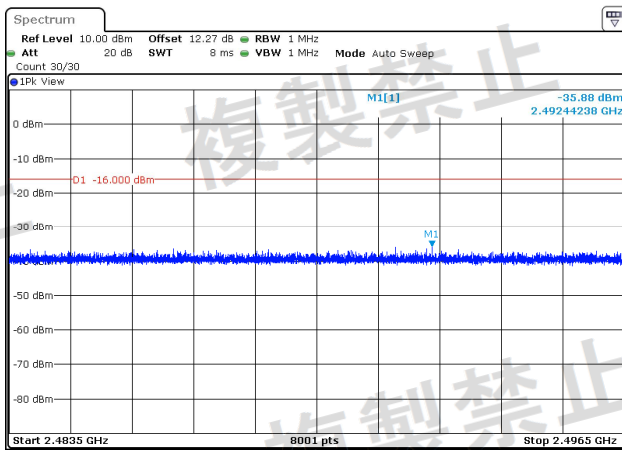
NTNV-11G-Ant1-2412-30~2387-PASS



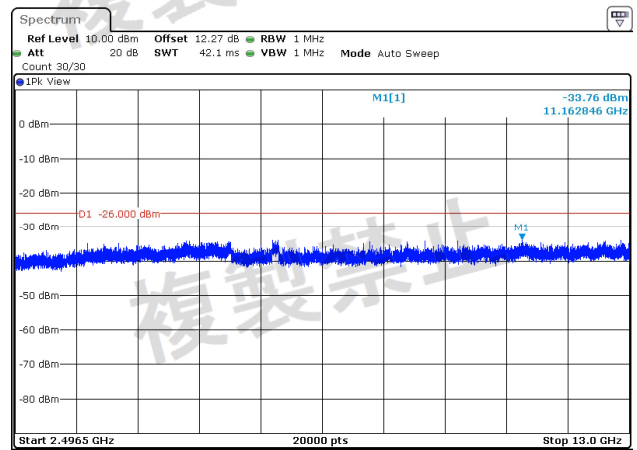
NTNV-11G-Ant1-2412-2387~2400-PASS



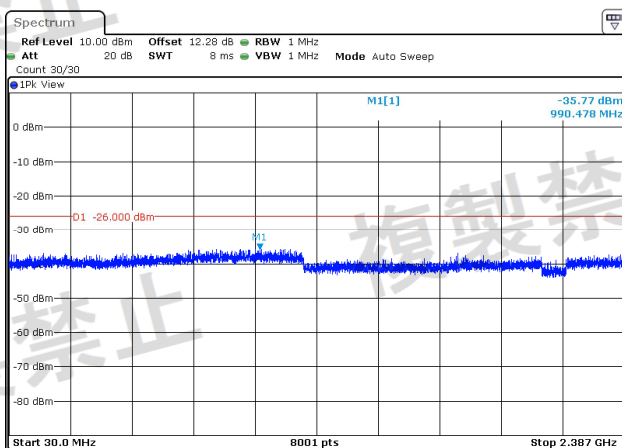
NTNV-11G-Ant1-2412-2483.5~2496.5-PASS



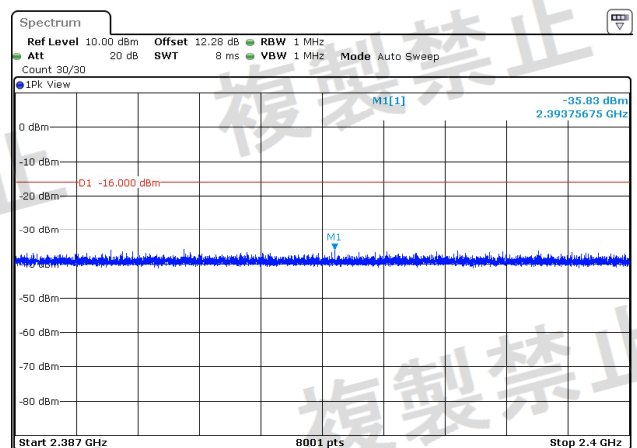
NTNV-11G-Ant1-2412-2496.5~13000-PASS



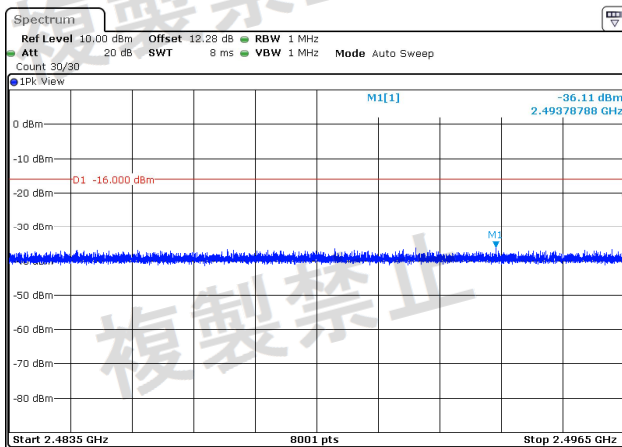
NTNV-11G-Ant1-2442-30~2387-PASS



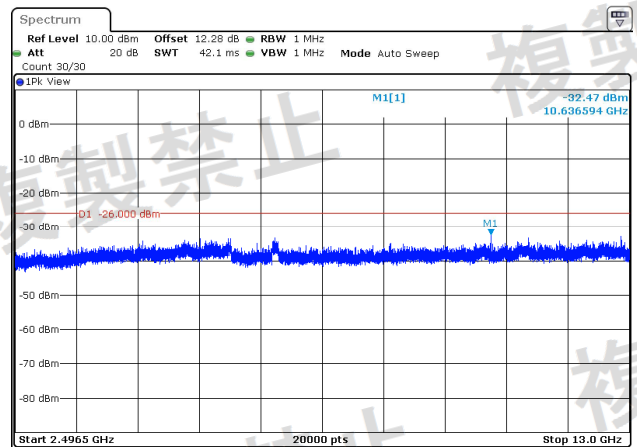
NTNV-11G-Ant1-2442-2387~2400-PASS



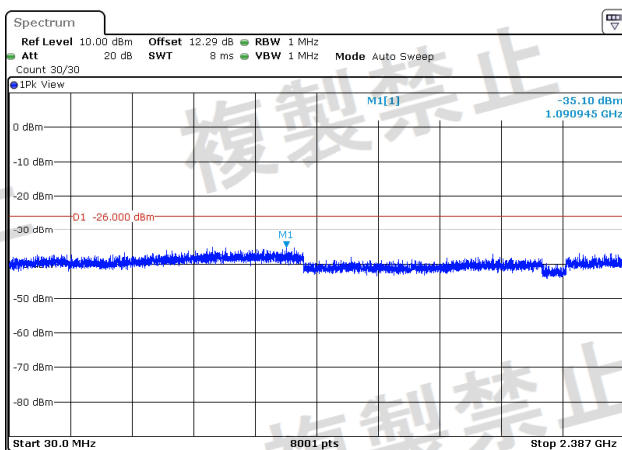
NTNV-11G-Ant1-2442-2483.5~2496.5-PASS



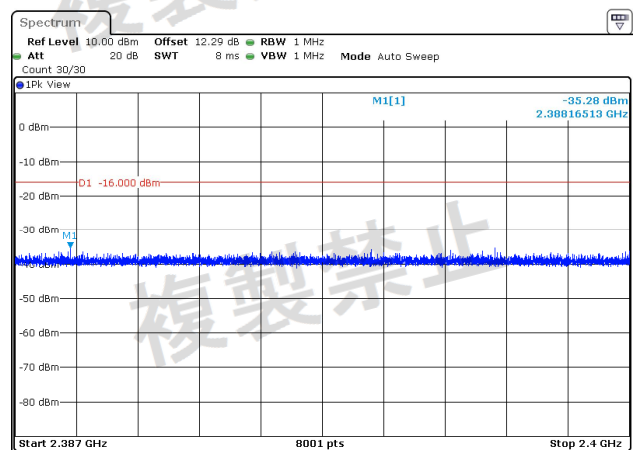
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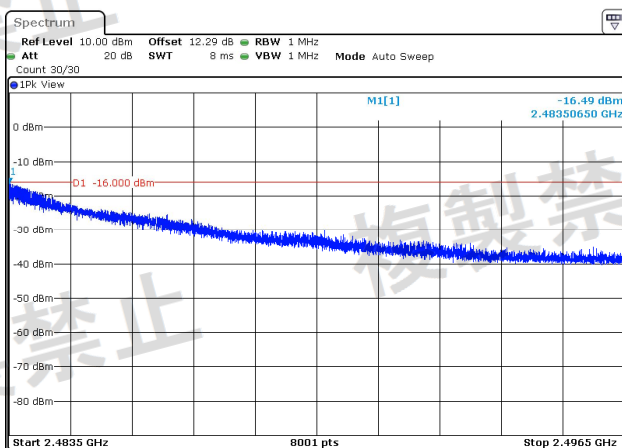
NTNV-11G-Ant1-2472-30~2387-PASS



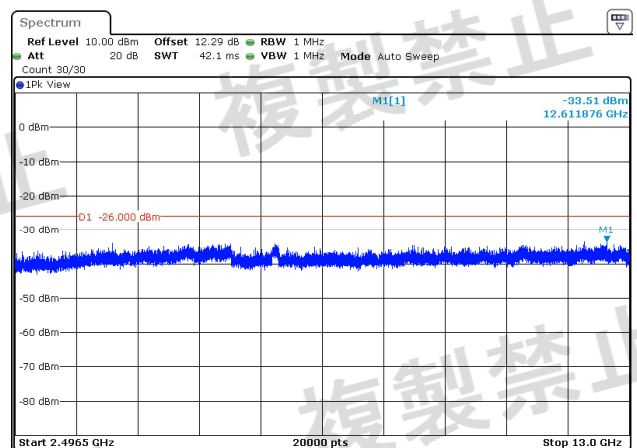
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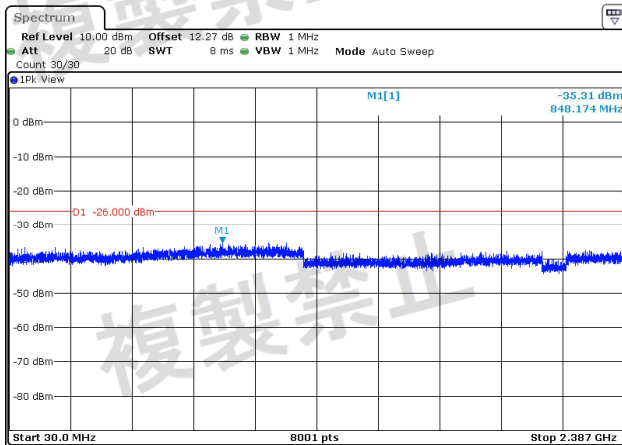
NTNV-11G-Ant1-2472-2483.5~2496.5-PASS



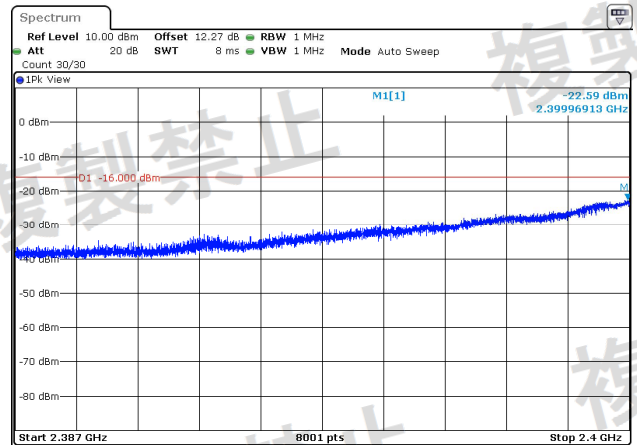
NTNV-11G-Ant1-2472-2496.5~13000-PASS



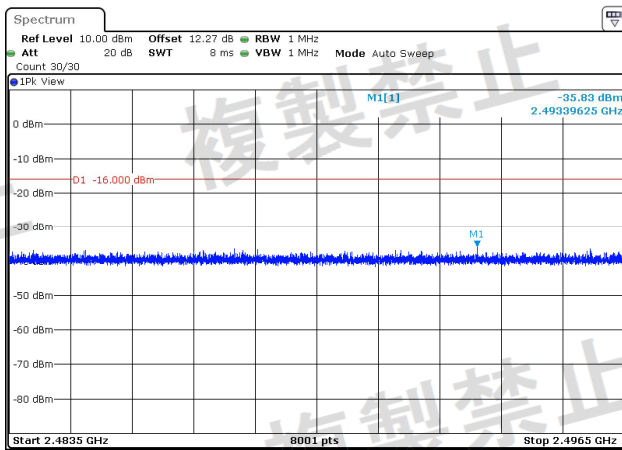
NTNV-11N20SISO-Ant1-2412-30~2387-PASS



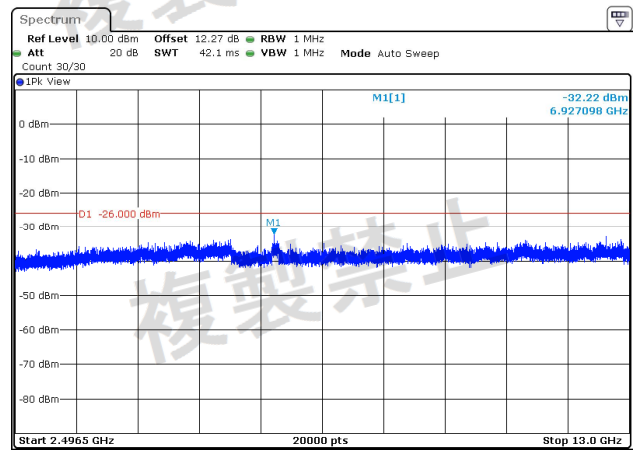
NTNV-11N20SISO-Ant1-2412-2387~2400-PASS



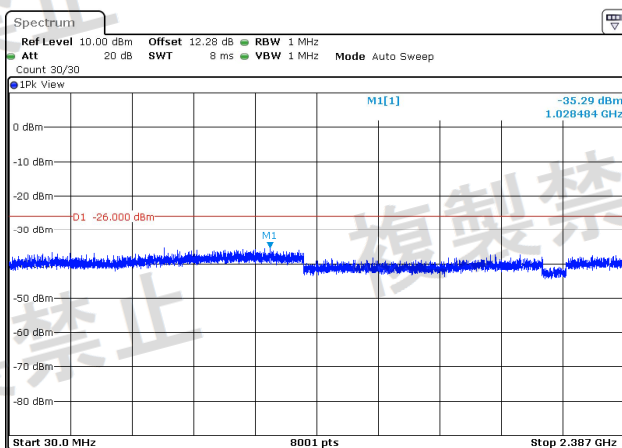
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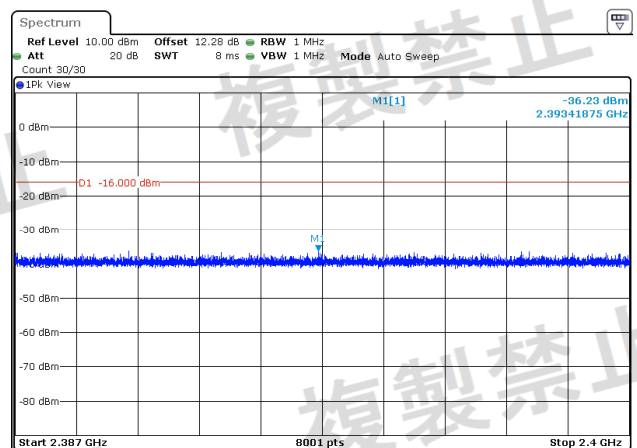
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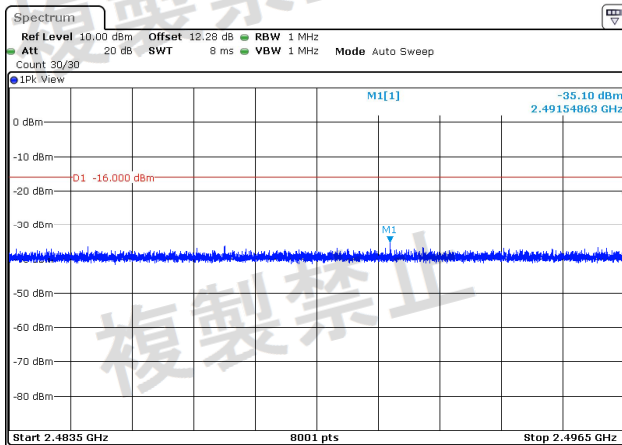
NTNV-11N20SISO-Ant1-2442-30~2387-PASS



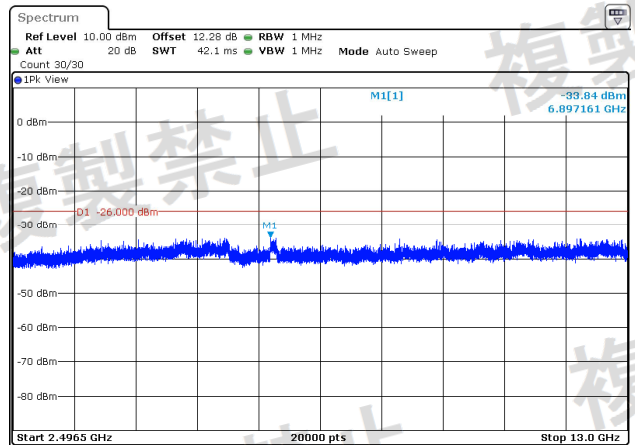
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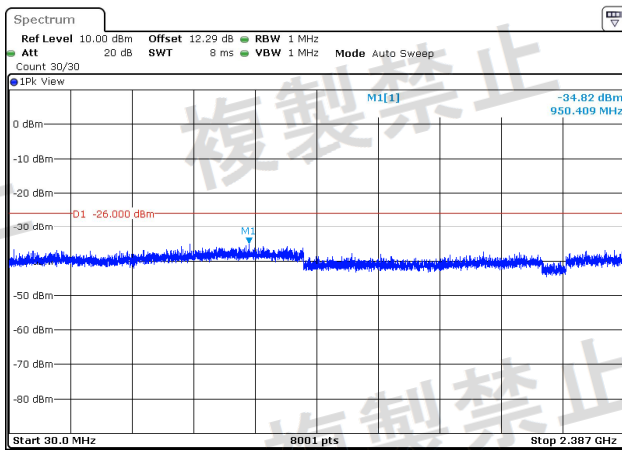
NTNV-11N20SISO-Ant1-2442-2483.5~2496.5-PASS



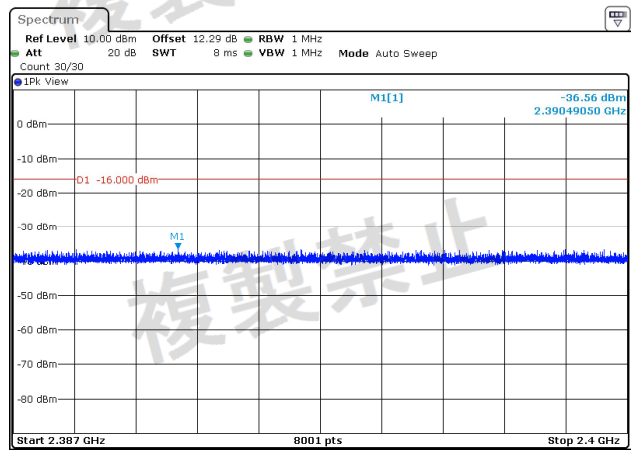
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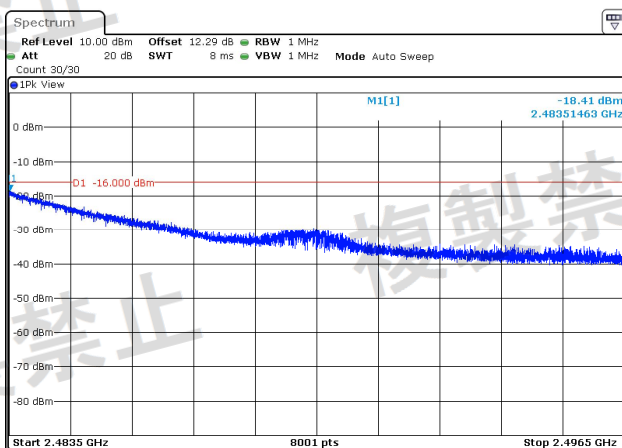
NTNV-11N20SISO-Ant1-2472-30~2387-PASS



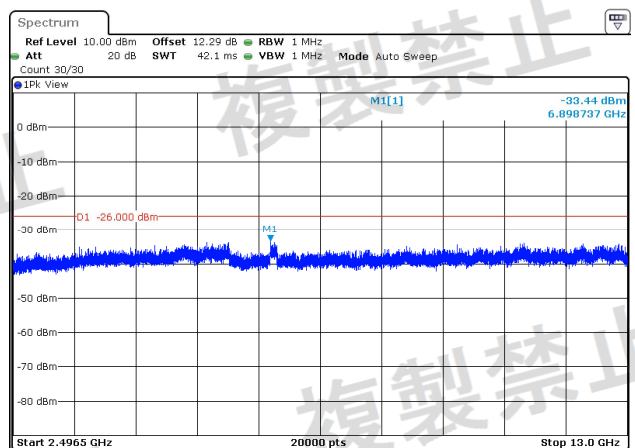
NTNV-11N20SISO-Ant1-2472-2387~2400-PASS



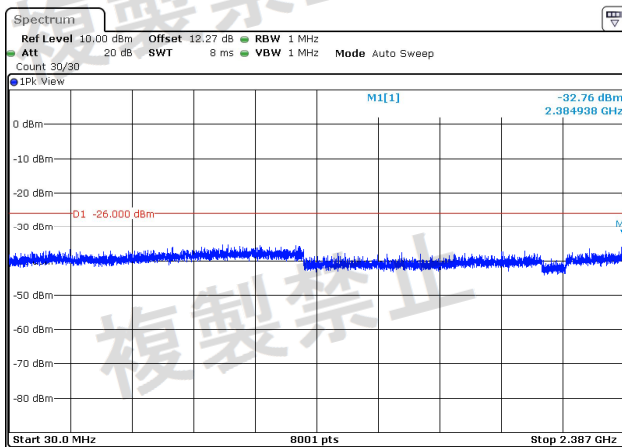
NTNV-11N20SISO-Ant1-2472-2483.5~2496.5-PASS



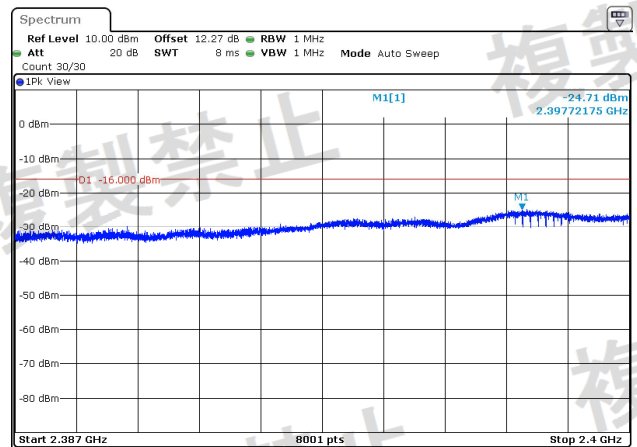
NTNV-11N20SISO-Ant1-2472-2496.5~13000-PASS



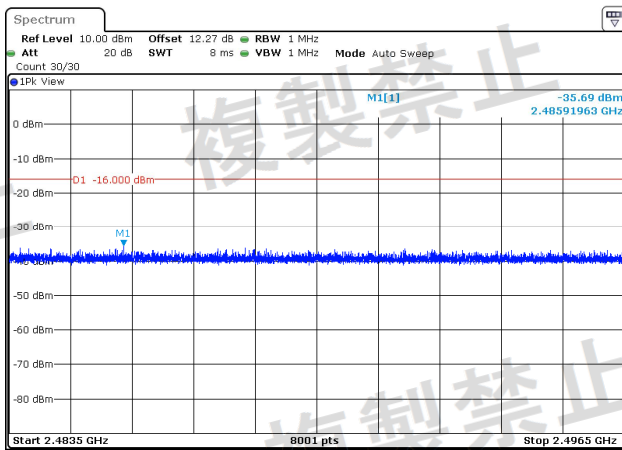
NTNV-11N40SISO-Ant1-2422-30~2387-PASS



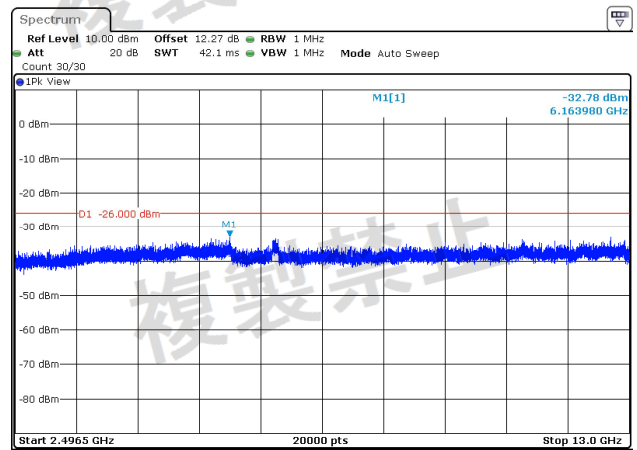
NTNV-11N40SISO-Ant1-2422-2387~2400-PASS



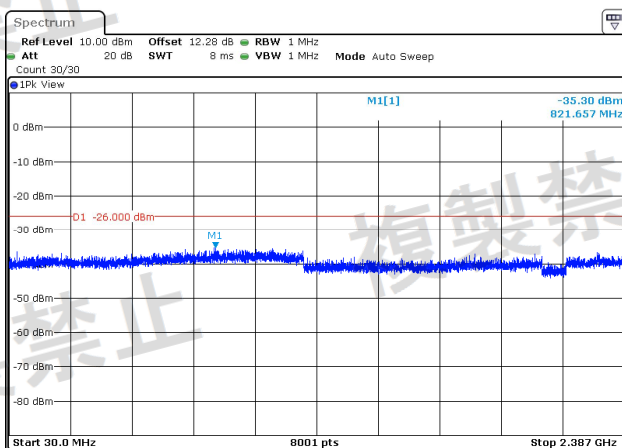
NTNV-11N40SISO-Ant1-2422-2483.5~2496.5-PASS



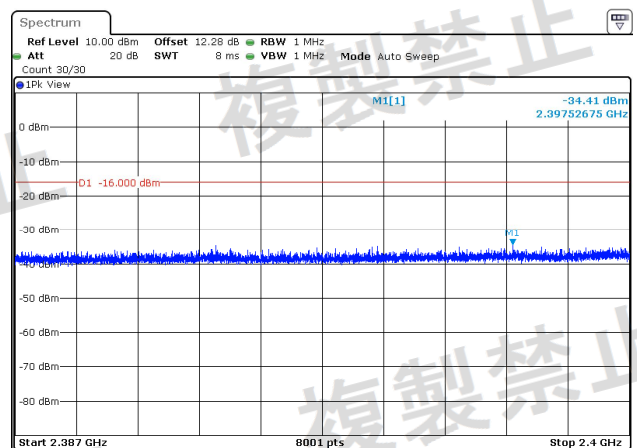
NTNV-11N40SISO-Ant1-2422-2496.5~13000-PASS



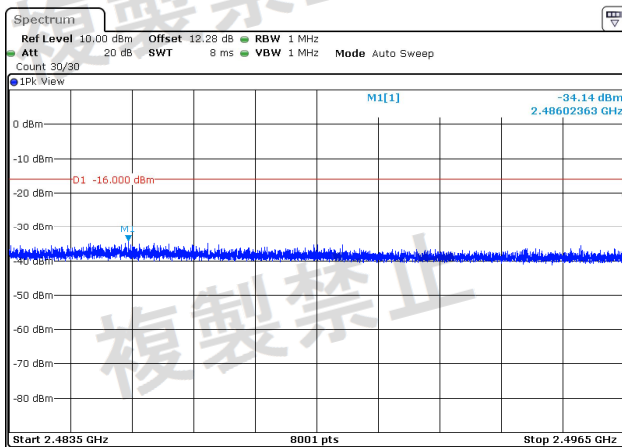
NTNV-11N40SISO-Ant1-2442-30~2387-PASS



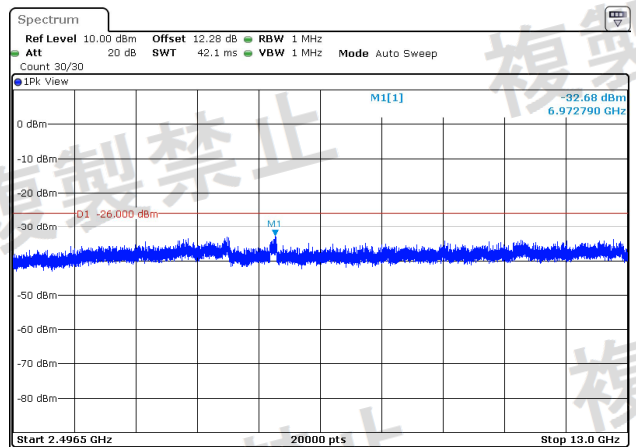
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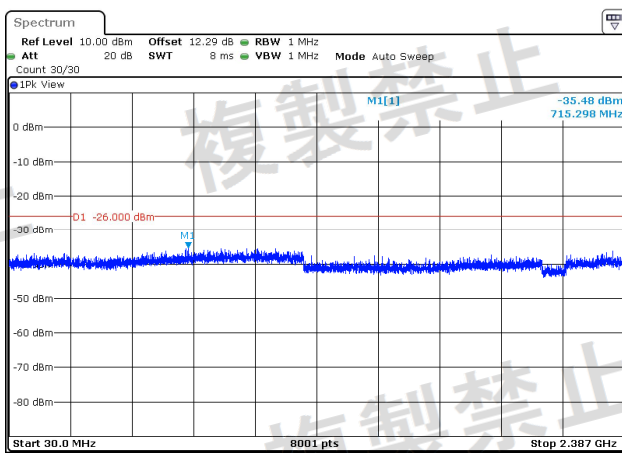
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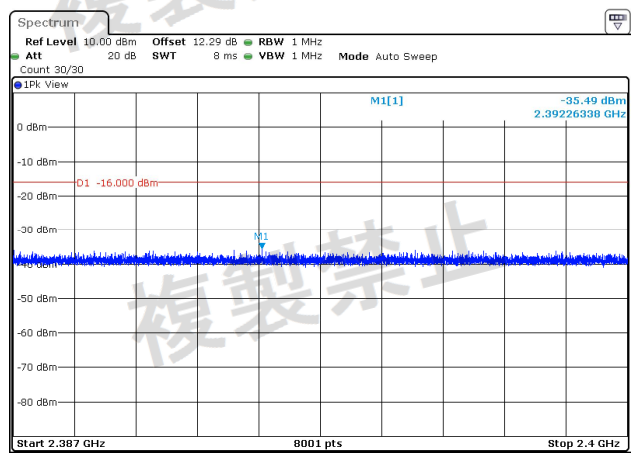
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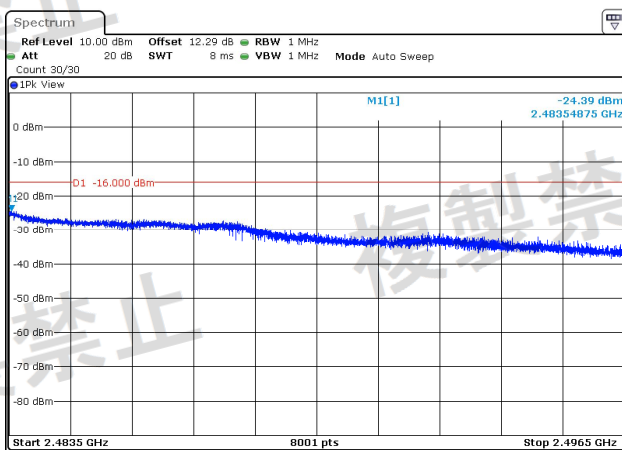
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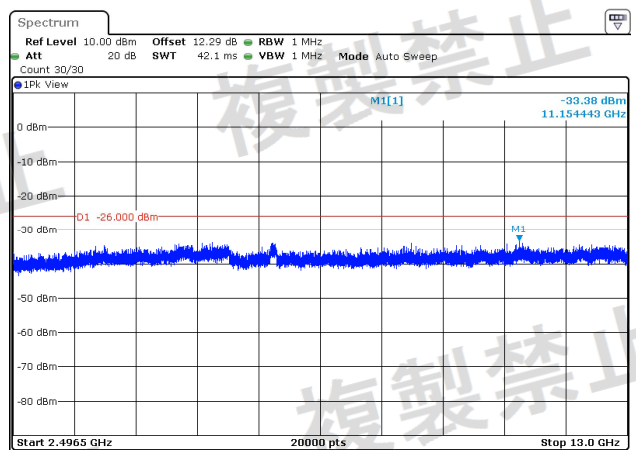
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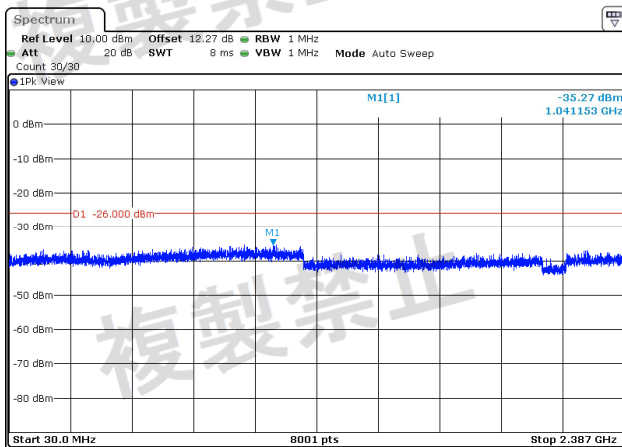
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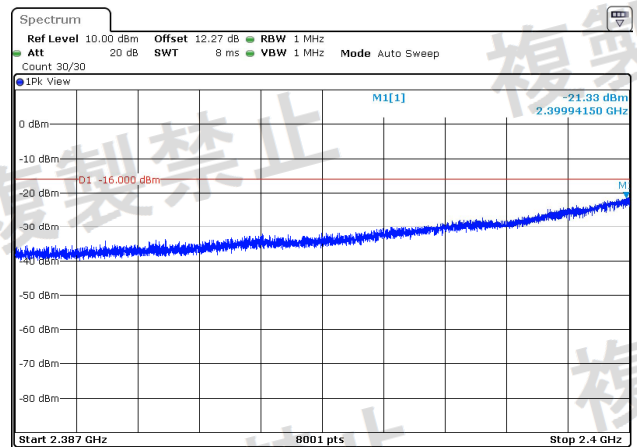
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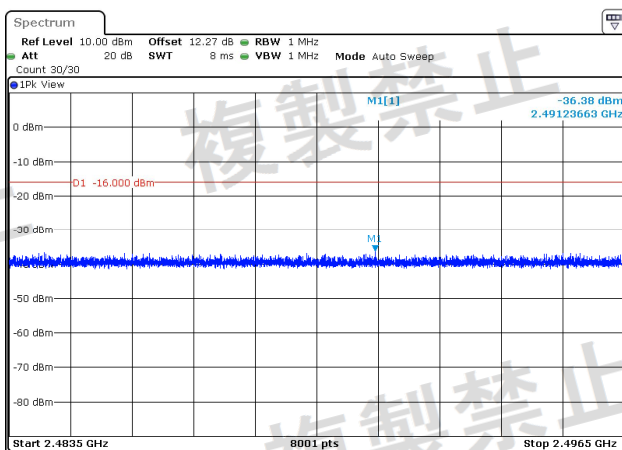
NTNV-11AX20SISO-Ant1-2412-30~2387-PASS



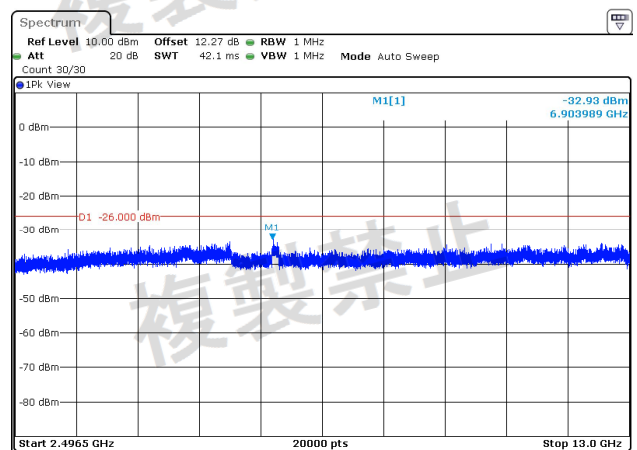
NTNV-11AX20SISO-Ant1-2412-2387~2400-PASS



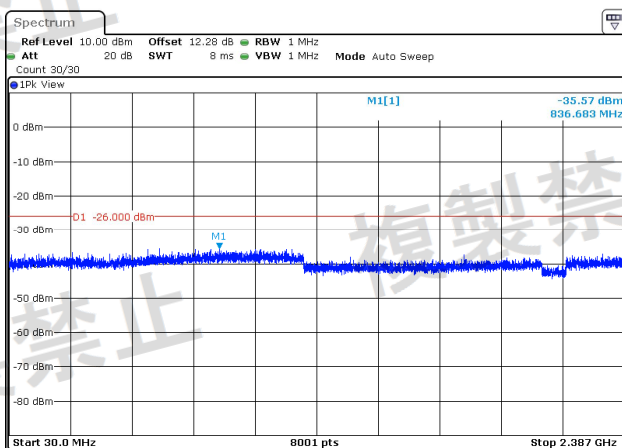
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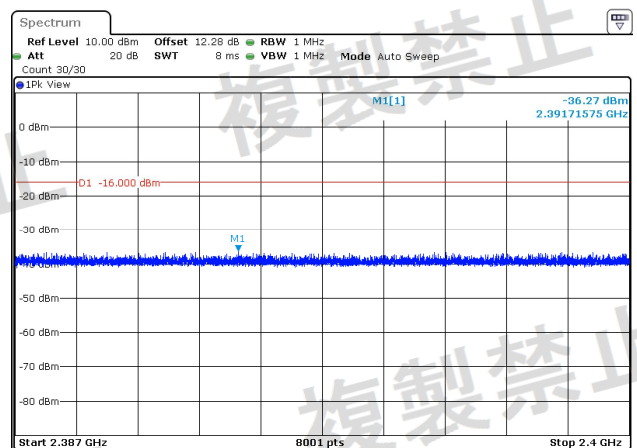
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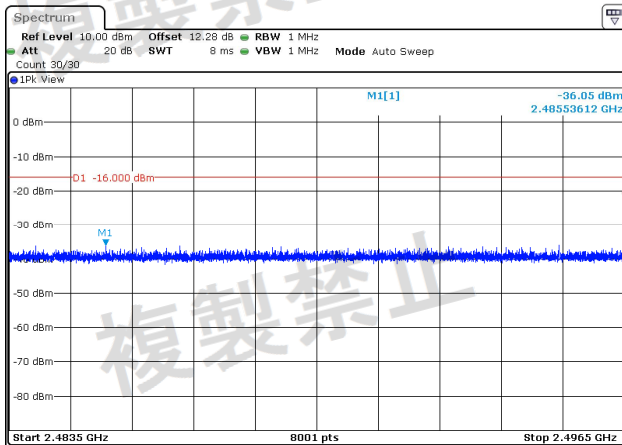
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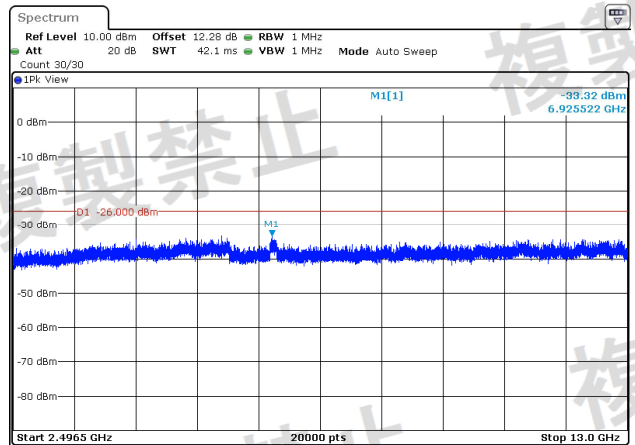
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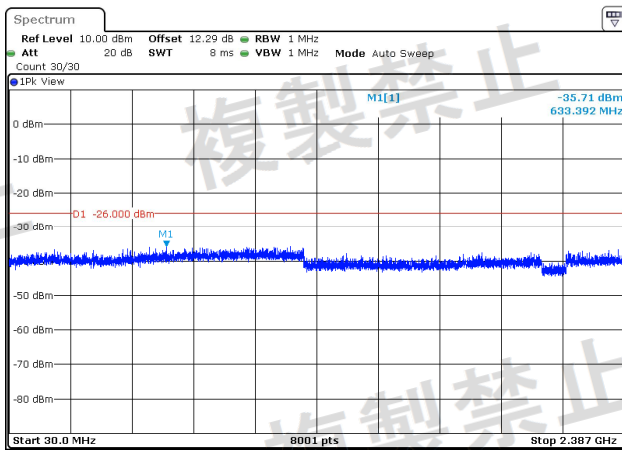
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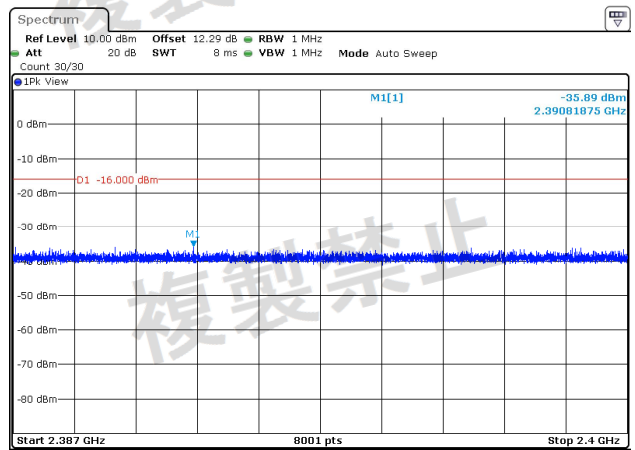
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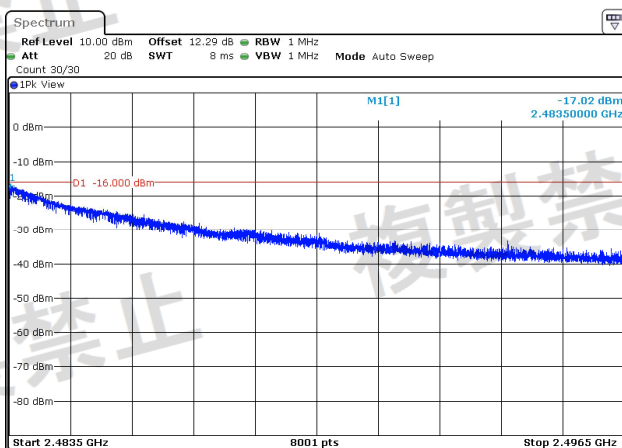
NTNV-11AX20SISO-Ant1-2472-30~2387-PASS



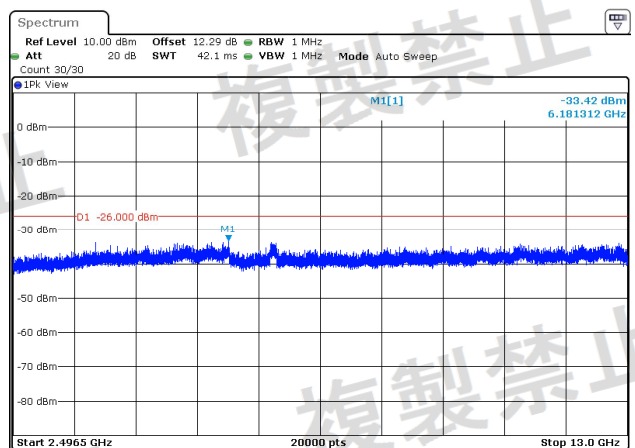
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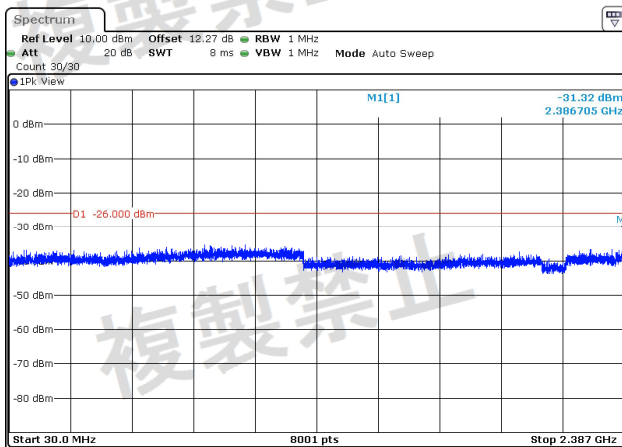
NTNV-11AX20SISO-Ant1-2472-2483.5~2496.5-PASS



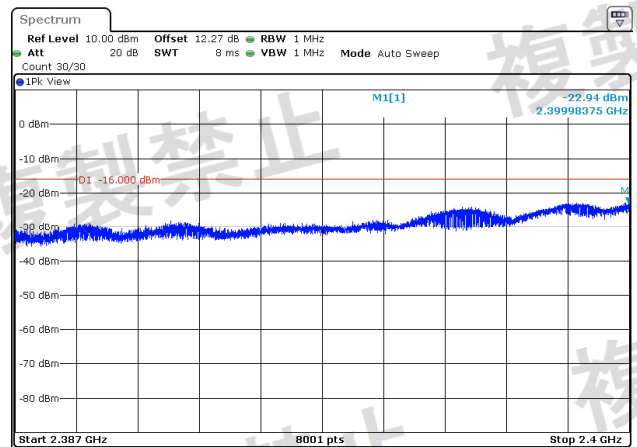
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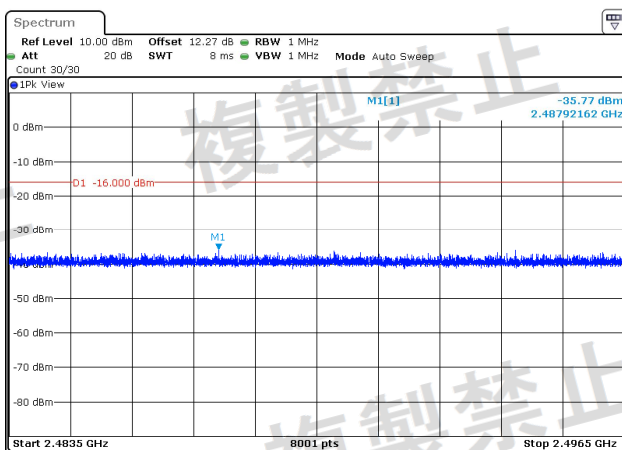
NTNV-11AX40SISO-Ant1-2422-30~2387-PASS



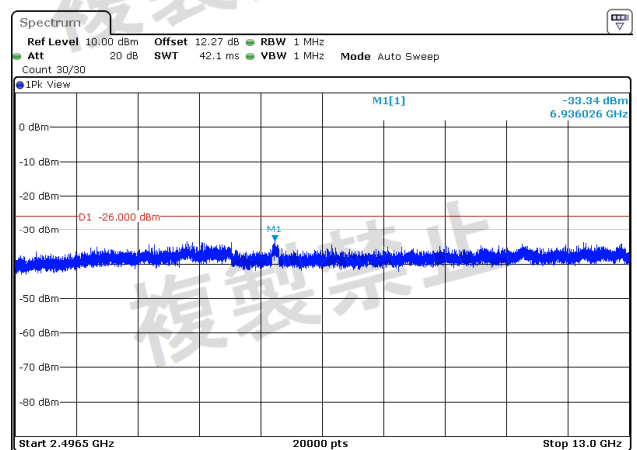
NTNV-11AX40SISO-Ant1-2422-2387~2400-PASS



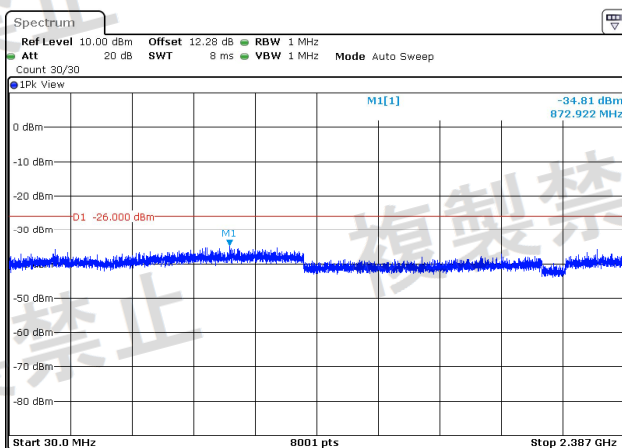
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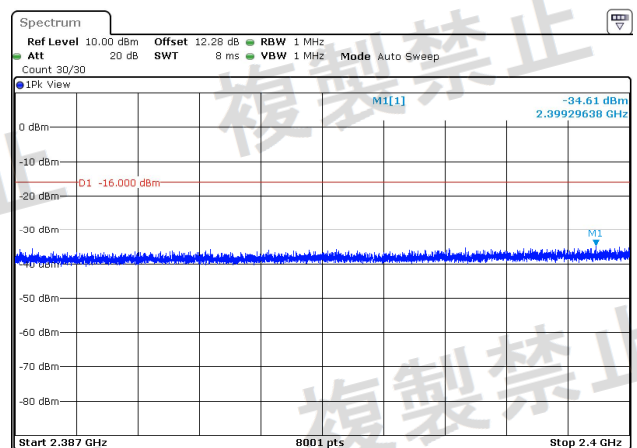
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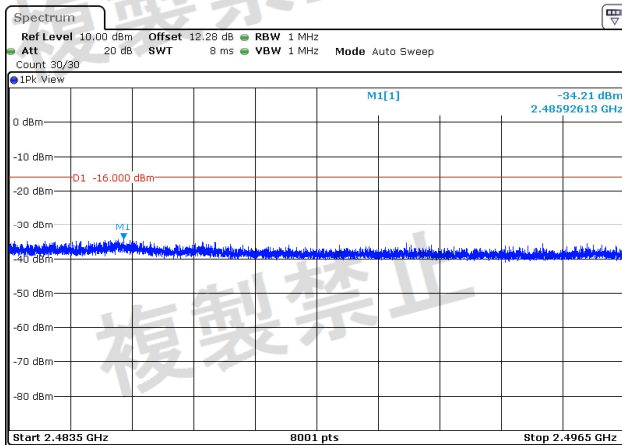
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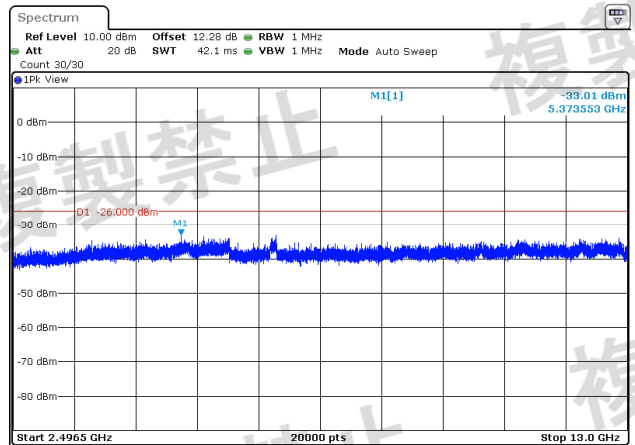
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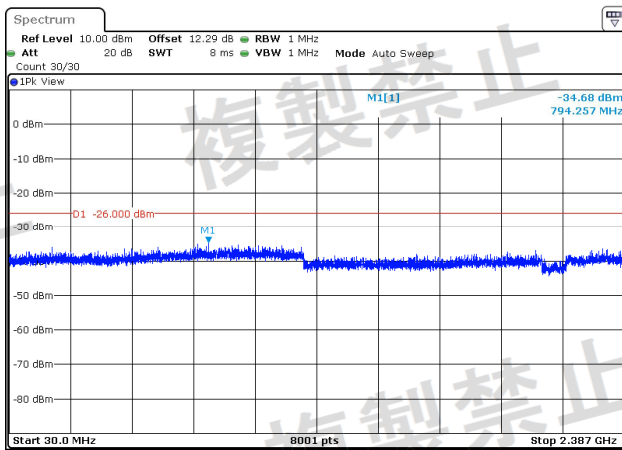
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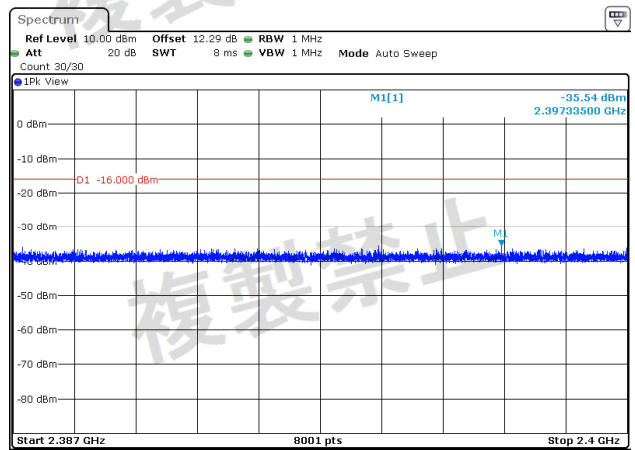
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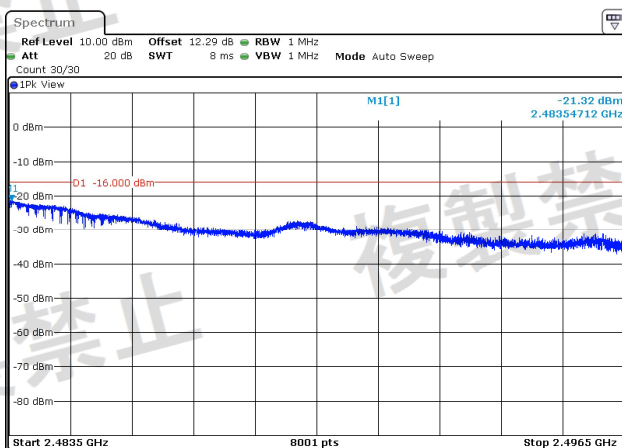
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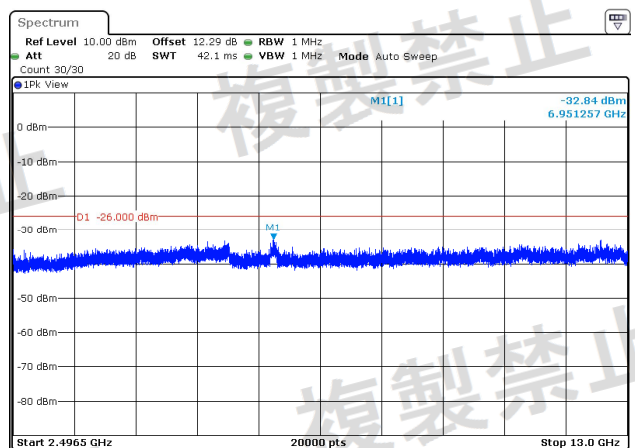
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NTNV-11AX40SISO-Ant1-2462-2483.5~2496.5-PASS

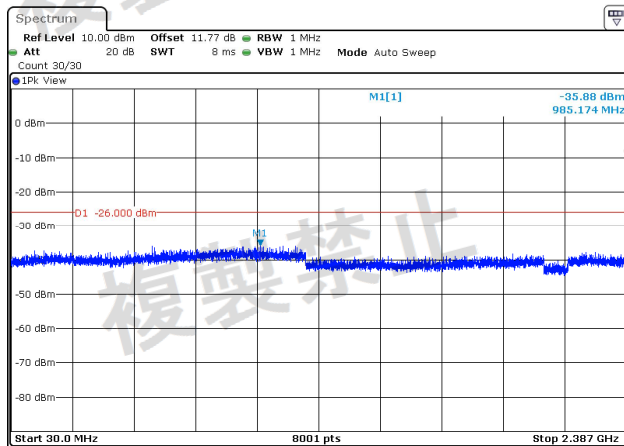


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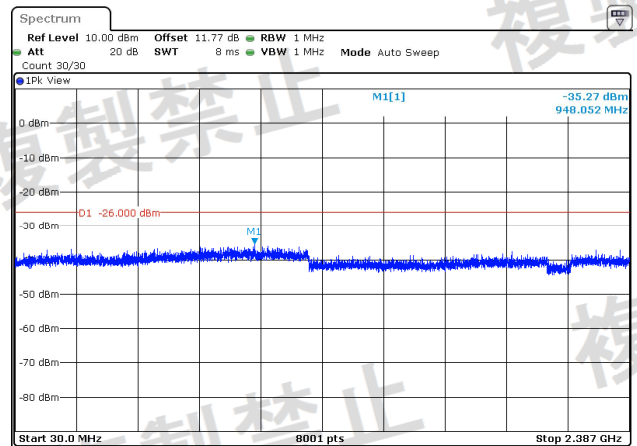
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S



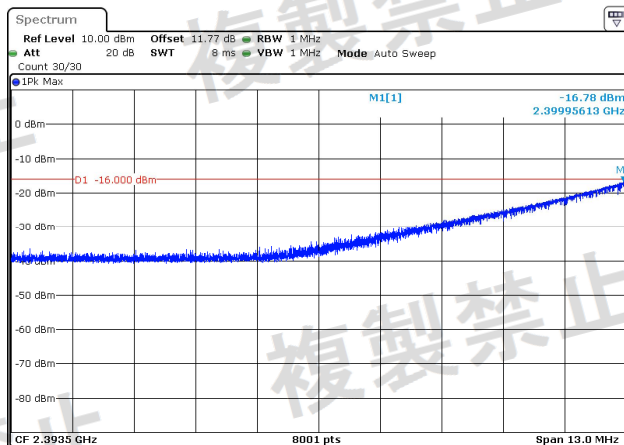
NTNV-11AX20SISO-Ant1-2412-26Tone-RU8-30~2387-PAS

S



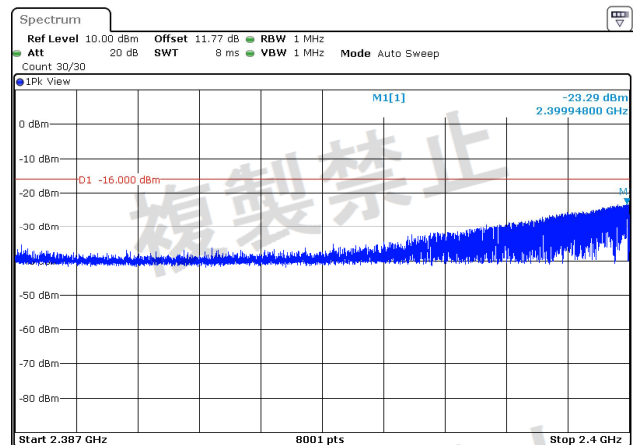
NTNV-11AX20SISO-Ant1-2412-26Tone-RU0-2387~2400-P

ASS



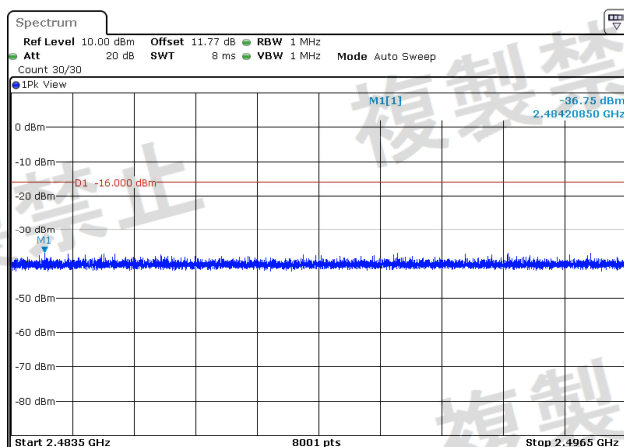
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ASS



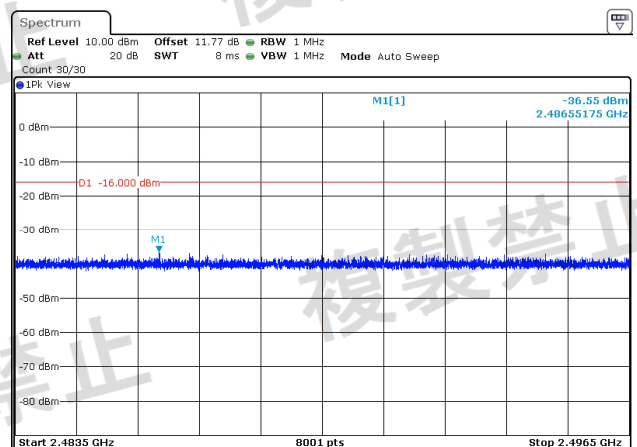
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5-PASS



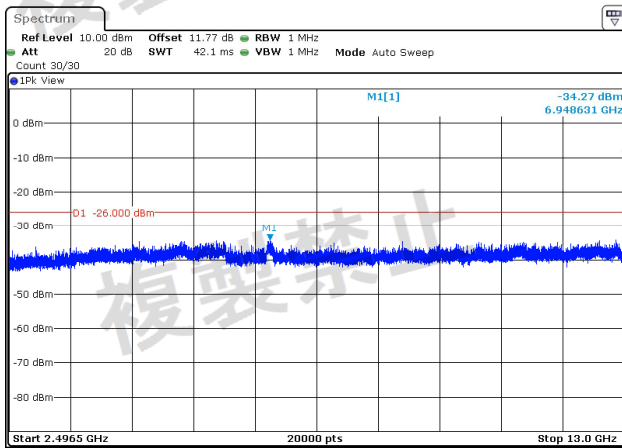
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5-PASS



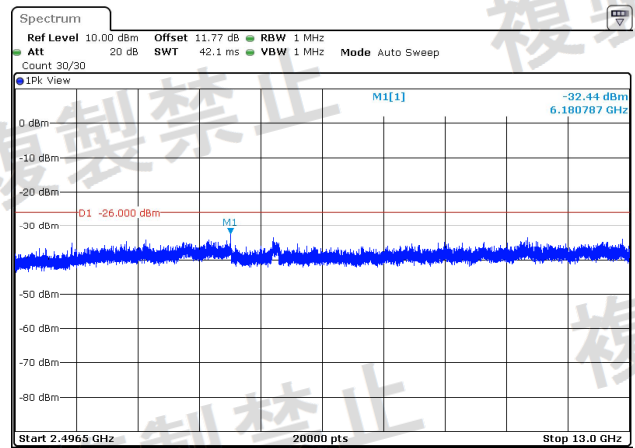
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-PASS



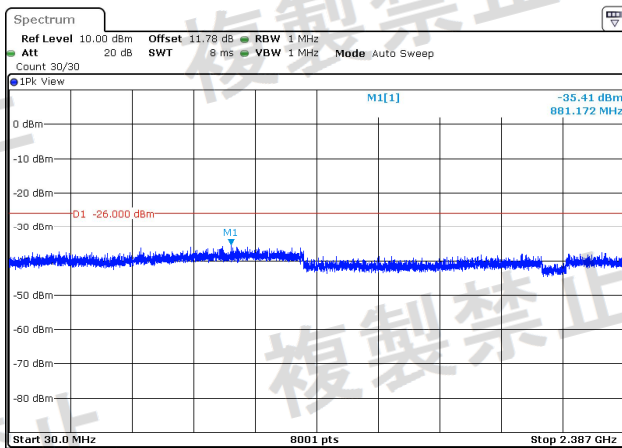
NTNV-11AX20SISO-Ant1-2412-26Tone-RU8-2496.5~13000

-PASS



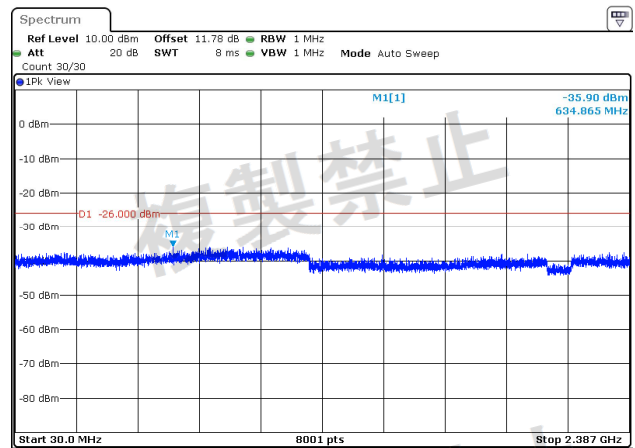
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S



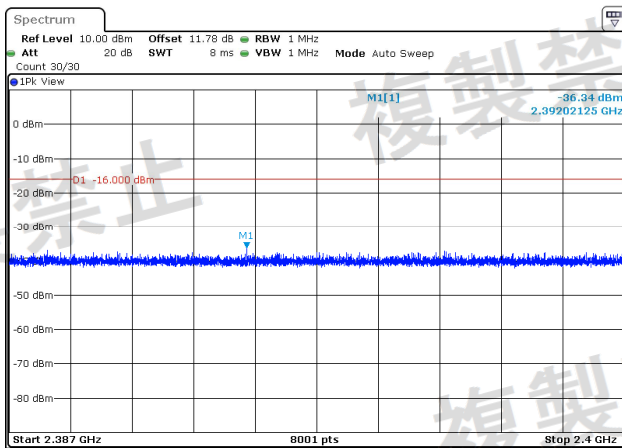
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S



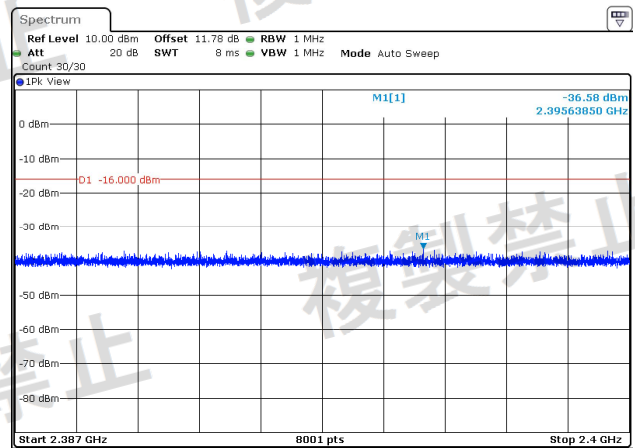
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ASS



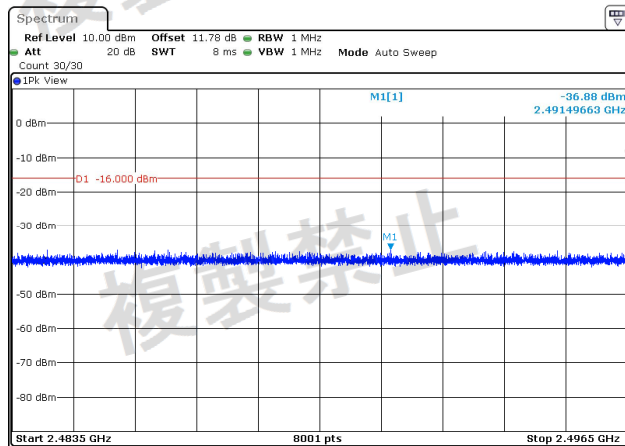
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ASS



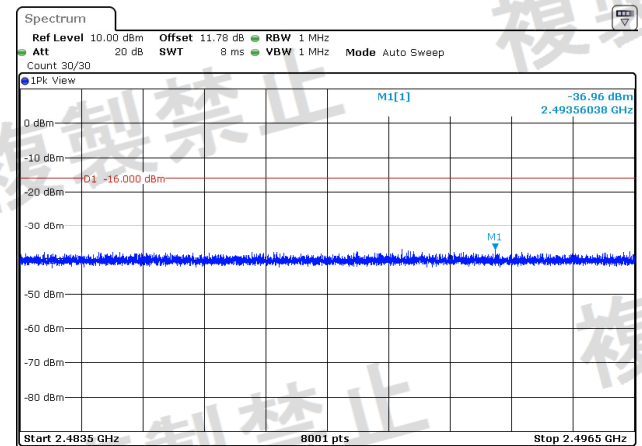
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5-PASS



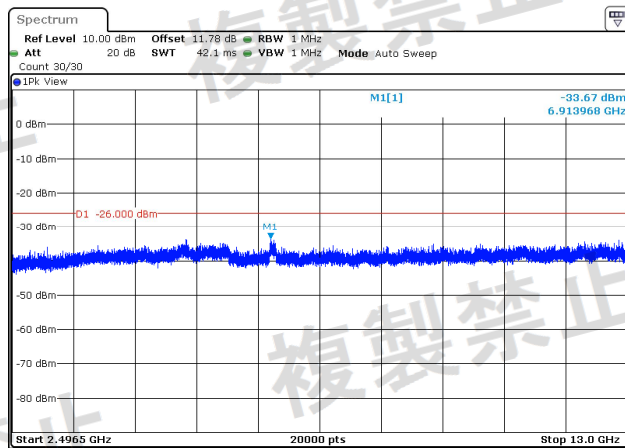
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5-PASS



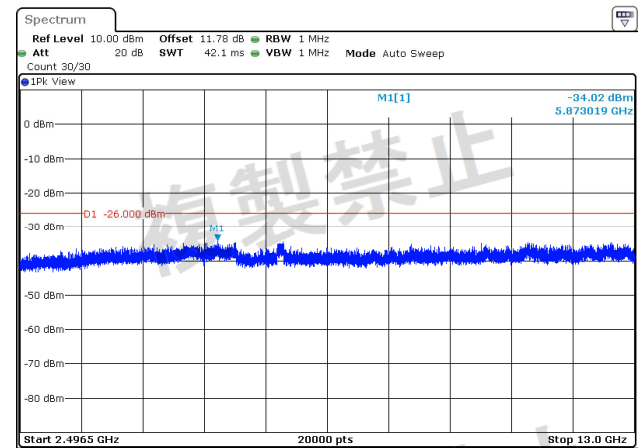
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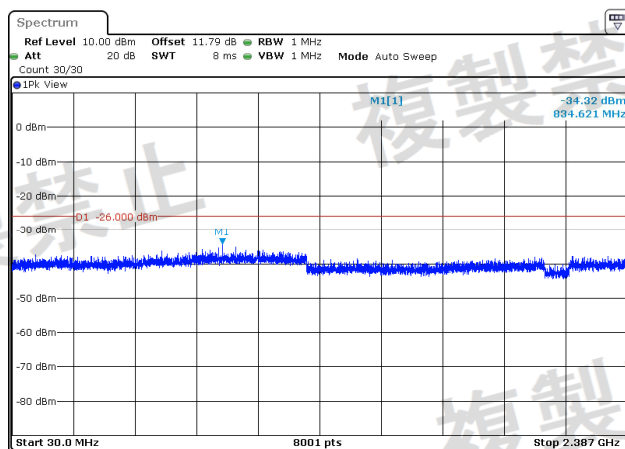
NTNV-11AX20SISO-Ant1-2442-26Tone-RU8-2496.5~13000

-PASS



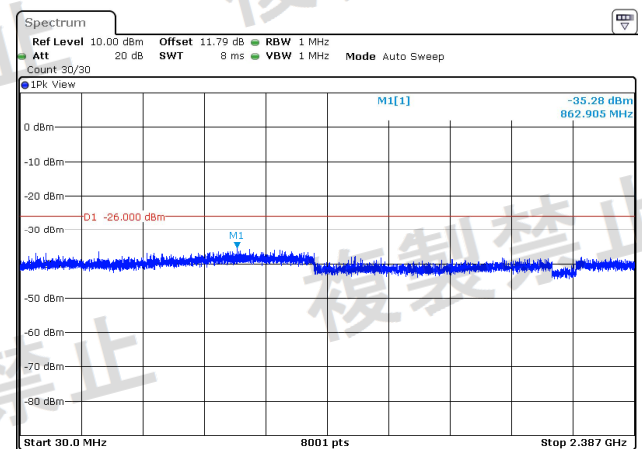
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S



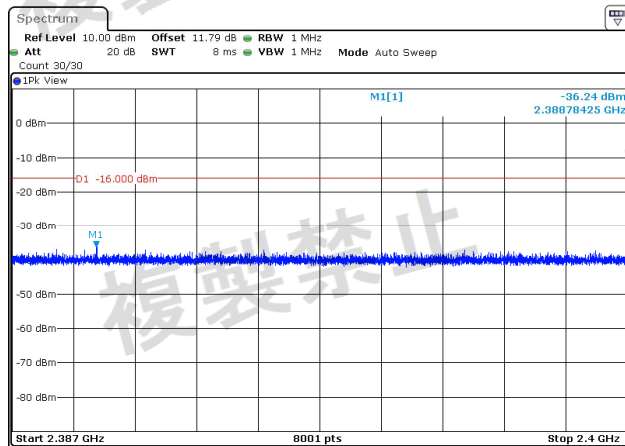
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S



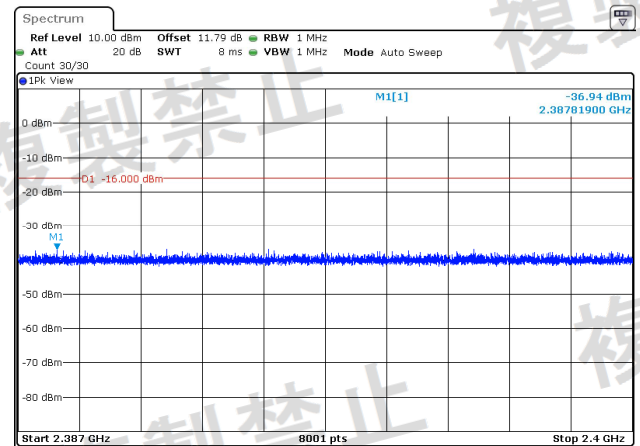
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ASS



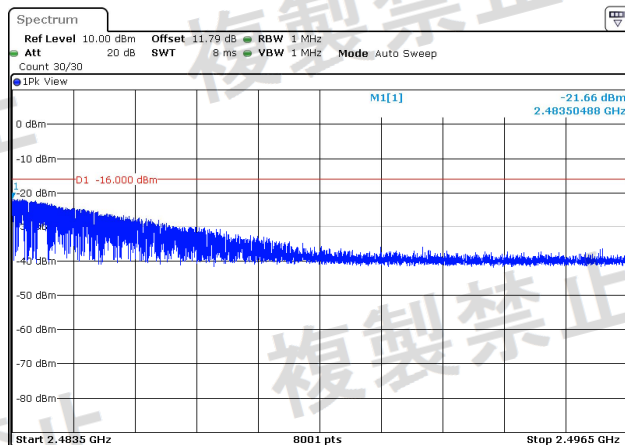
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ASS



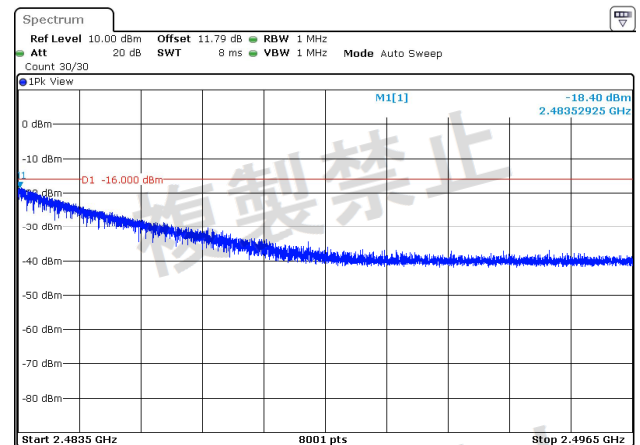
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5-PASS



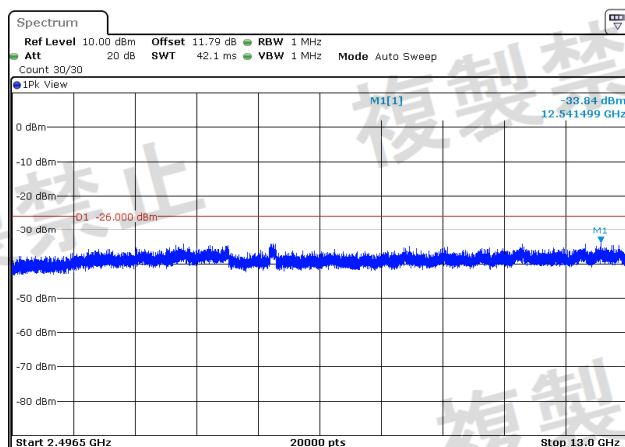
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5-PASS



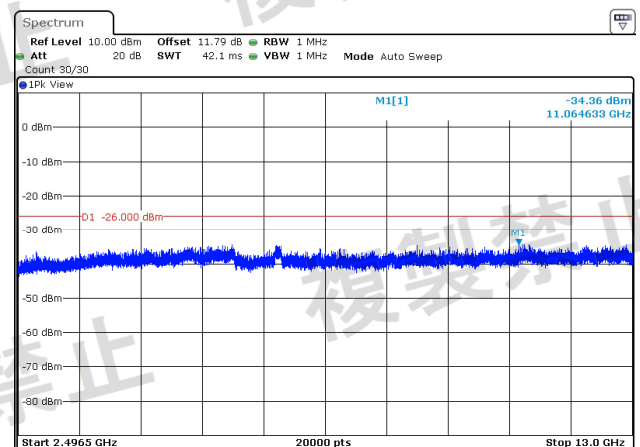
NTNV-11AX20SISO-Ant1-2472-26Tone-RU0-2496.5~13000

-PASS



NTNV-11AX20SISO-Ant1-2472-26Tone-RU8-2496.5~13000

-PASS



2.5. Secondary Radiated Rmissions of Receiver Measurement

2.5.1. Limits

Item	Limits
RX Spurious Emission	$\leq 4 \text{ nW}$ ($f < 1 \text{ GHz}$); $\leq 20 \text{ nW}$ ($1 \text{ GHz} \leq f < 10 \text{ GHz}$); $\leq 20 \text{ nW}$ ($f > 10 \text{ GHz}$)

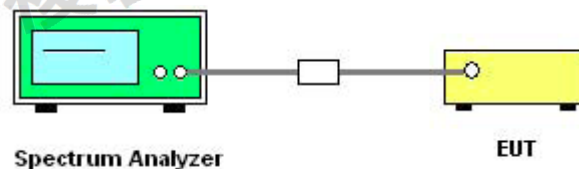
2.5.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.5.3. Test Procedures

- 1 EUT has the continuous reception mode and fixed only one channelize.
- 2 Setting of SA is following as RBW / VBW: 100 kHz (below 1 GHz emissions) / 1 MHz (above 1 GHz emissions) / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
- 3 SA set RBW: 100 kHz and VBW: 100 kHz. Then adjust to start frequency 30 MHz and stop frequency 1000 MHz. Search to mark peak reading value + cable loss shall be less than 4 nW.
- 4 SA set RBW: 1 MHz and VBW: 1 MHz. Then adjust to start frequency 1000 MHz and stop frequency 10000 MHz. Search to mark peak reading value + cable loss shall be less than 20 nW.
- 5 SA set RBW: 1 MHz and VBW: 1 MHz. Then adjust to start frequency 10000 MHz and stop frequency 13000 MHz. Search to mark peak reading value + cable loss shall be less than 20 nW.
- 6 If power level of lower emissions are more than 1/10 of limit (0.4 nW for $f < 1 \text{ GHz}$, 2 nW for $f \geq 1 \text{ GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

2.5.4. Test Setup Layout



2.5.5. Test Deviation

There is no deviation with the original standard.

2.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.5.7. Test Result of Secondary Radiated Rmissions of Receiver

Step1:

Test Mode	Antenna	Freq. [MHz]	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Result [nW]	Limit [nW]	Verdict
11B	Ant1	2412	30~1000	875.31	-64.72	0.33729	≤4	PASS
11B	Ant1	2412	1000~13000	5363.42	-52.11	6.15177	≤20	See table below
11B	Ant1	2442	30~1000	840.76	-64.15	0.38459	≤4	PASS
11B	Ant1	2442	1000~13000	6105.66	-52.68	5.39511	≤20	See table below
11B	Ant1	2472	30~1000	758.44	-64.33	0.36898	≤4	PASS
11B	Ant1	2472	1000~13000	6890.49	-52.22	5.99791	≤20	See table below
11G	Ant1	2412	30~1000	746.68	-64.23	0.37757	≤4	PASS
11G	Ant1	2412	1000~13000	12545.18	-53.66	4.30527	≤20	See table below
11G	Ant1	2442	30~1000	904.89	-64.45	0.35892	≤4	PASS
11G	Ant1	2442	1000~13000	5779.84	-53.43	4.53942	≤20	See table below
11G	Ant1	2472	30~1000	946.11	-64.52	0.35318	≤4	PASS
11G	Ant1	2472	1000~13000	5424.02	-52.96	5.05825	≤20	See table below
11N20SISO	Ant1	2412	30~1000	896.65	-64.42	0.36141	≤4	PASS
11N20SISO	Ant1	2412	1000~13000	6179.46	-53.11	4.88652	≤20	See table below
11N20SISO	Ant1	2442	30~1000	982.00	-64.35	0.36728	≤4	PASS
11N20SISO	Ant1	2442	1000~13000	11223.91	-53.52	4.44631	≤20	See table below
11N20SISO	Ant1	2472	30~1000	833.97	-64.29	0.37239	≤4	PASS
11N20SISO	Ant1	2472	1000~13000	6151.86	-53.34	4.63447	≤20	See table below
11N40SISO	Ant1	2422	30~1000	864.40	-64.09	0.38994	≤4	PASS
11N40SISO	Ant1	2422	1000~13000	12568.58	-52.61	5.48277	≤20	See table



								below
11N40SISO	Ant1	2442	30~1000	897.37	-64.41	0.36224	≤4	PASS
11N40SISO	Ant1	2442	1000~13000	6130.86	-53.10	4.89779	≤20	See table below
11N40SISO	Ant1	2462	30~1000	870.58	-64.57	0.34914	≤4	PASS
11N40SISO	Ant1	2462	1000~13000	6918.1	-52.89	5.14044	≤20	See table below
11AX20SISO	Ant1	2412	30~1000	803.18	-64.49	0.35563	≤4	PASS
11AX20SISO	Ant1	2412	1000~13000	6904.3	-53.22	4.76431	≤20	See table below
11AX20SISO	Ant1	2442	30~1000	777.35	-64.65	0.34277	≤4	PASS
11AX20SISO	Ant1	2442	1000~13000	6960.1	-53.36	4.61318	≤20	See table below
11AX20SISO	Ant1	2472	30~1000	830.70	-64.19	0.38107	≤4	PASS
11AX20SISO	Ant1	2472	1000~13000	5416.82	-53.83	4.14000	≤20	See table below
11AX40SISO	Ant1	2422	30~1000	838.74	-63.79	0.41783	≤4	See table below
11AX40SISO	Ant1	2422	1000~13000	5989.25	-53.37	4.60257	≤20	See table below
11AX40SISO	Ant1	2442	30~1000	941.99	-64.22	0.37844	≤4	PASS
11AX40SISO	Ant1	2442	1000~13000	6967.9	-53.19	4.79733	≤20	See table below
11AX40SISO	Ant1	2462	30~1000	72.37	-64.72	0.33729	≤4	PASS
11AX40SISO	Ant1	2462	1000~13000	6139.86	-53.30	4.67735	≤20	See table below



Test Mode	Antenna	Freq. [MHz]	Ru Size	Ru Index	Freq.Range [MHz]	Result [dBm]	Result [nW]	Limit [nW]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	30~1000	-65.02	0.31477	≤4	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	30~1000	-64.64	0.34356	≤4	PASS
11AX20SISO	Ant1	2412	26Tone	RU0	1000~13000	-53.69	4.27563	≤20	See table below
11AX20SISO	Ant1	2412	26Tone	RU8	1000~13000	-53.89	4.08319	≤20	See table below
11AX20SISO	Ant1	2442	26Tone	RU0	30~1000	-63.86	0.41115	≤4	See table below
11AX20SISO	Ant1	2442	26Tone	RU8	30~1000	-65.21	0.30130	≤4	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	1000~13000	-54.17	3.82825	≤20	See table below
11AX20SISO	Ant1	2442	26Tone	RU8	1000~13000	-53.72	4.24620	≤20	See table below
11AX20SISO	Ant1	2472	26Tone	RU0	30~1000	-65.07	0.31117	≤4	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	30~1000	-62.15	0.60954	≤4	See table below
11AX20SISO	Ant1	2472	26Tone	RU0	1000~13000	-51.95	6.38263	≤20	See table below
11AX20SISO	Ant1	2472	26Tone	RU8	1000~13000	-53.94	4.03645	≤20	See table below



Step2:

Test Mode	Antenna	Freq. [MHz]	Freq. [MHz]	Result [dBm]	Result [nW]	Limit [nW]	Verdict
11B	Ant1	2412	5374.03	-63.69	0.42756	≤20	PASS
11B	Ant1	2442	6146.62	-63.42	0.45499	≤20	PASS
11B	Ant1	2472	6920.57	-63.11	0.48865	≤20	PASS
11G	Ant1	2412	12540.36	-63.87	0.41020	≤20	PASS
11G	Ant1	2442	5756.85	-64.06	0.39264	≤20	PASS
11G	Ant1	2472	5428.76	-63.69	0.42756	≤20	PASS
11N20SISO	Ant1	2412	6159.48	-65.99	0.25177	≤20	PASS
11N20SISO	Ant1	2442	11222.23	-64.23	0.37757	≤20	PASS
11N20SISO	Ant1	2472	6120.57	-63.75	0.42170	≤20	PASS
11N40SISO	Ant1	2422	12568.95	-63.93	0.40458	≤20	PASS
11N40SISO	Ant1	2442	6180.56	-63.44	0.45290	≤20	PASS
11N40SISO	Ant1	2462	6906.09	-62.90	0.51286	≤20	PASS
11AX20SISO	Ant1	2412	6898.29	-62.93	0.50933	≤20	PASS
11AX20SISO	Ant1	2442	6927.70	-63.25	0.47315	≤20	PASS
11AX20SISO	Ant1	2472	5440.49	-63.56	0.44055	≤20	PASS
11AX40SISO	Ant1	2422	798.50	-76.07	0.02472	≤4	PASS
11AX40SISO	Ant1	2422	5958.84	-64.00	0.39811	≤20	PASS
11AX40SISO	Ant1	2442	6927.99	-63.08	0.49204	≤20	PASS
11AX40SISO	Ant1	2462	6169.66	-63.19	0.47973	≤20	PASS

Test Mode	Antenna	Freq. [MHz]	Ru Size	Ru Index	Freq. [MHz]	Result [dBm]	Result [nW]	Limit [nW]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	6962.24	-63.59	0.43752	≤20	PASS
11AX20SISO	Ant1	2412	26Tone	RU8	11936.14	-65.59	0.27606	≤20	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	959.20	-76.20	0.02399	≤4	PASS
11AX20SISO	Ant1	2442	26Tone	RU0	6951.94	-63.83	0.41400	≤20	PASS
11AX20SISO	Ant1	2442	26Tone	RU8	5490.88	-64.29	0.37239	≤20	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	861.98	-75.59	0.02761	≤4	PASS
11AX20SISO	Ant1	2472	26Tone	RU0	1770.22	-68.46	0.14256	≤20	PASS
11AX20SISO	Ant1	2472	26Tone	RU8	5798.02	-64.41	0.36224	≤20	PASS