

TEST REPORT

Application No.: GZCR2604000651AT
Applicant: TDK SensEI (Dongguan) Ltd.
Address of Applicant: Room 2502-2505, Building 9A, Universal Commerce Center, Dongguan City, Guangdong, China
Manufacturer: TDK SensEI (Dongguan) Ltd.
Address of Manufacturer: Room 2502-2505, Building 9A, Universal Commerce Center, Dongguan City, Guangdong, China
Factory: VEXOS
Address of Factory: 5th Floor, Building 1, OLiPower Industrial Park, No.2 Qianmei Road, Dongkeng Town Dongguan, Guangdong Province, China 523455
Product Name: edgeRX Pro
Model No.: SE3116308G-01
Trade Mark: 
Standard(s): MIC Item 19 of Article 2 Paragraph 1
Date of Receipt: 2026-04-09
Date of Test: 2026-05-19 to 2026-05-19
Date of Issue: 2026-06-02

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



Revision Record			
Version	Report No.	Date	Remark
01	GZCR260400065101	2026-06-02	Original

Authorized for issue by:			
		Pank Feng	
		Pank Feng/Project Engineer	
Approved By		Terry Lai	
		Terry Lai/Reviewer	



2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	MIC Item 19 of Article 2 Paragraph 1	N/A	MIC Item 19 of Article 2 Paragraph 1	Pass
RF accessibility		N/A	MIC Item 19 of Article 2 Paragraph 1	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Interference prevention capability	MIC Item 19 of Article 2 Paragraph 1	Article 2, Item (19) Notice 88 Appendix 43, 44, 45	MIC Item 19 of Article 2 Paragraph 1	Pass
Frequency Error		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Occupied Bandwidth(99%)		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Antenna Power and EIRP		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Spurious emission Intensity		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Limit of secondary radiated emissions		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Transmitting Antenna Absolute Gain		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass
Half Power Beam Angle		MIC Notice No.88 Appendix No.43	MIC Item 19 of Article 2 Paragraph 1	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

N/A means Not applicable, please find the detailed decision rule in the report relative section.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 5V power by USB
	Battery operation: DC 3V internal battery
Cable(s):	USB cable: 0.6m
Operation Frequency:	2402MHz to 2480MHz
Modulation Type:	GFSK
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Gain:	1.4 dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Environment Parameter

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	25	DC 5.5 V
NTHV	25	DC 5 V
NTLV	25	DC 4.5 V
Note:		
NV:Normal Voltage	LV:Low Extreme Test Voltage	HV:High Extreme Test Voltage
NT:Normal Temperature	LT:Low Extreme Test Temperature	HT:High Extreme Test Temperature

Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2404MHz	10	2424MHz	20	2446MHz	30	2466MHz
1	2406MHz	11	2428MHz	21	2448MHz	31	2468MHz
2	2408MHz	12	2430MHz	22	2450MHz	32	2470MHz
3	2410MHz	13	2432MHz	23	2452MHz	33	2472MHz
4	2412MHz	14	2434MHz	24	2454MHz	34	2474MHz
5	2414MHz	15	2436MHz	25	2456MHz	35	2476MHz
6	2416MHz	16	2438MHz	26	2458MHz	36	2478MHz
7	2418MHz	17	2440MHz	27	2460MHz	37	2480MHz
8	2420MHz	18	2442MHz	28	2462MHz	38	2482MHz
9	2422MHz	19	2444MHz	29	2464MHz	39	2484MHz



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Using test software was control EUT work in continuous transmitter and receiver mode.and select test channel as below:

Channel	Frequency
The lowest channel (CH37)	2402MHz
The middle channel (CH17)	2440MHz
The highest channel (CH39)	2480MHz

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ

4.4 Measurement Uncertainty

Test Item	Measurement Uncertainty
Frequency Error	$\pm 7.25 \text{ E-8}$
Occupied Bandwidth(99%)	$\pm 0.274\%$
Antenna Power and EIRP	$\pm 0.75\text{dB}$
Spurious emission Intensity	$\pm 0.75\text{dB}$
Limit of secondary radiated emissions	$\pm 0.75\text{dB}$
Remark: The U_{lab} (lab Uncertainty) is less than U_{CISPR} (CISPR Uncertainty) or U_{ETSI}(ETSI Uncertainty). Emission decision rule: – Compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit, marked as Pass in the report. – Non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit, marked as Fail in the report. Immunity decision rule: – Pass means the observation meets the Performance Criterion requirement. – Fail means the observation doesn't meet the Performance Criterion requirement.	

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,
Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.

4.6 Test Facility

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

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

RF conducted test								
Equipment	Manufacturer	Model No.	Inventory No.	Serial No.	Cal Date	Cal Due Date	Cal. Site	Cal. Law
MI CABLE	SGS-EMC	0.8M	EMC2136	1102098	2025-11-02	2026-11-01	SGS	Article 24-2, Paragraph 4 of the Radio Act
EXA Signal Analyzer	Agilent Technologies	N9010A	EMC2222	MY533005511	2025-08-12	2026-08-11	GRG TEST	
4X4 Power sensor Unit	TST	TSPS2023R	EMC2257	T2022.008	2025-08-12	2026-08-11	GRG TEST	
Test Software	TST	V2.0	GZE100-78	N/A	N/A	N/A	N/A	N/A

General used equipment								
Equipment	Manufacturer	Model No	Inventory No	Serial No.	Cal Date	Cal Due Date	Cal. Site	Cal. Law
DMM	Fluke	73	EMC0006	70681569	2026-05-14	2027-05-13	CEPREI	Article 24-2, Paragraph 4 of the Radio Act

Remark:

(a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act

(Note: The following URL shows the list of designated calibration agencies:

<https://www.tele.soumu.go.jp/j/sys/others/kan/>)

(b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act

(c) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act

(d) Calibration, etc. conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in

(a) through (c) above

For each measuring instrument, it is not sufficient to include the calibration agency, calibration date, and calibration deadline in the test report. It is also necessary to sufficiently confirm whether the calibration was done in line with (a), (b), (c), or (d) above.



6 Radio Spectrum Technical Requirement

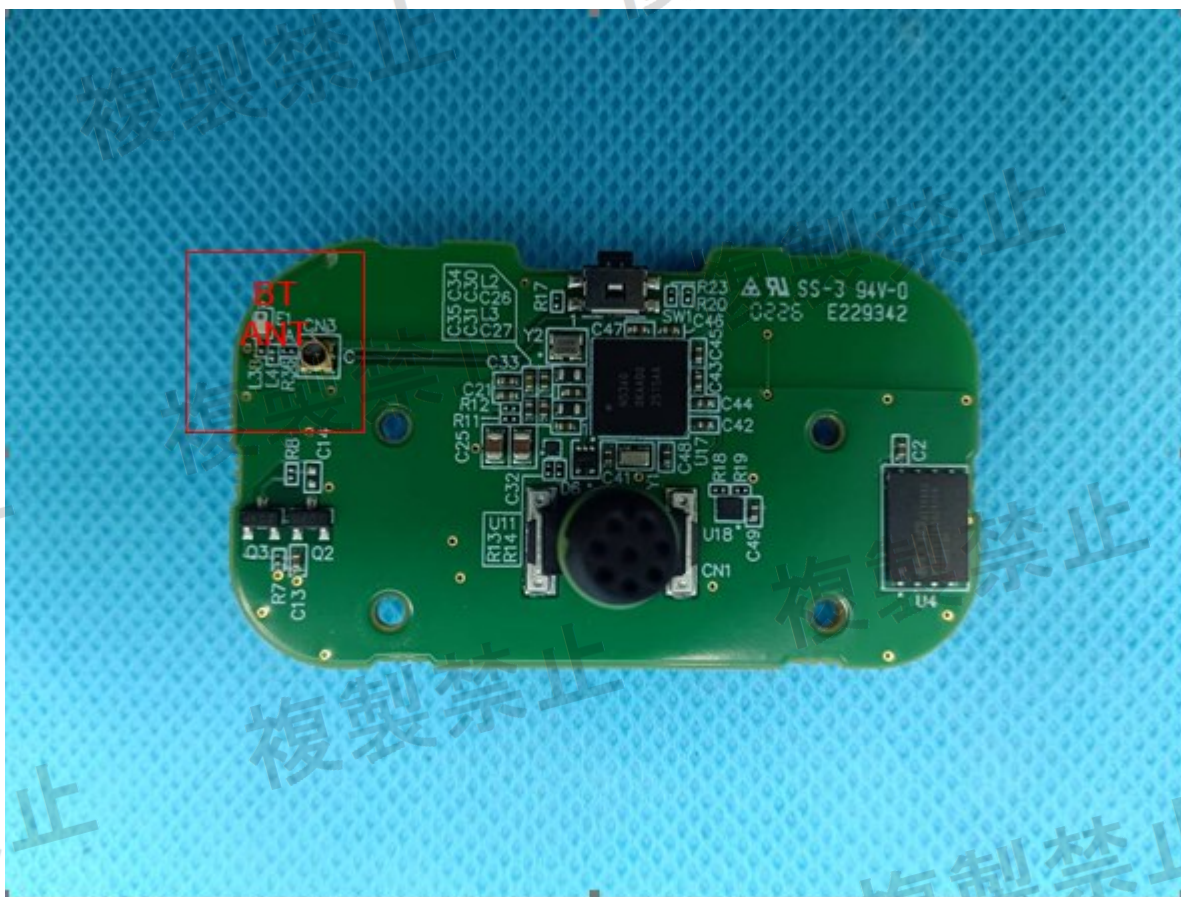
6.1 Antenna Requirement

6.1.1 Test Requirement:

MIC Item 19 of Article 2 Paragraph 1

6.1.2 Conclusion

Standard requirement:Applicable for equipment with an antenna terminal, including testing terminals. If an antenna connector is available, all relevant tests will be carried out conducted. If not, tests will be carried out in an anechoic room or with a suitable test-fixture.EUT Details:The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.4 dBi.Result:An antenna connector is available, all relevant tests will be carried out conducted.



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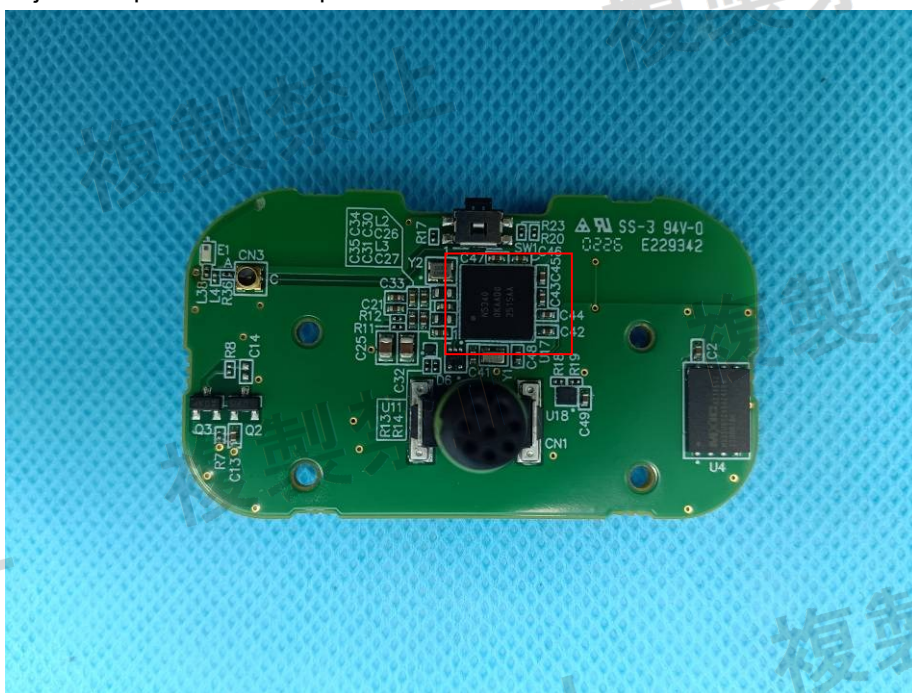
6.2 RF accessibility

6.2.1 Test Requirement:

MIC Item 19 of Article 2 Paragraph 1

6.2.2 Conclusion

Standard Requirement: 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.[Photo of RF parts]EUT Details: 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.



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7 Radio Spectrum Matter Test Results

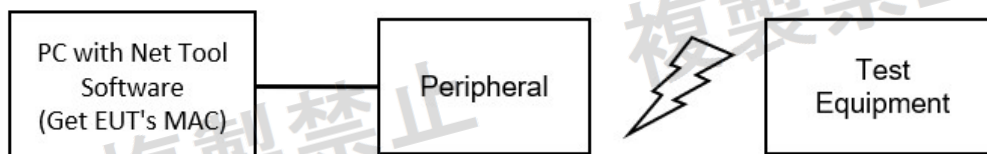
7.1 Interference prevention capability

Test Requirement: MIC Item 19 of Article 2 Paragraph 1
 Test Method: Article 2, Item (19) Notice 88 Appendix 43, 44, 45
 Test Engineer: Banna Ban
 Limit:

7.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 21.6 °C Humidity: 64.3 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Setup Diagram



7.1.3 Measurement Procedure and Data

Standard Requirement:

Test Procedure:

- 1) in the case that the EUT has the function of automatically transmitting the identification code.
 - a. Transmit the predetermined identification codes form EUT.
 - b. Check the transmitted identification codes with the demodulator.
- 2) In the case of receiving the identification code.
 - a. Transmit the predetermined identification codes form the counterpart.
 - b. Check if communication is normal.
 - c. Transmit the signals other than predetermined ID codes form the counterpart.
 - d. check if the EUT stops the transmission. or if it displays that identification codes are different from the predetermined ones.

MAC address:

Please refer to blow photo.

EUT Details: The unit does meet the requirements (Good).

DF:D1:3B:C9:41:71



7.2 Frequency Error

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Test Engineer:	Banna Ban
Limit:	Tolerance of frequency: $\pm 50 \times 10^{-6}$

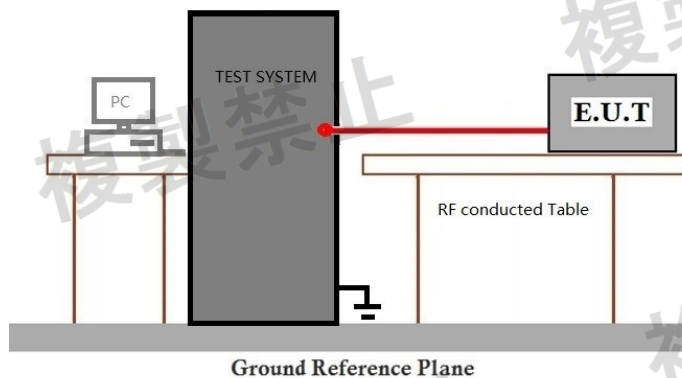
7.2.1 E.U.T. Operation

Operating Environment:					
Temperature:	21.6 °C	Humidity:	64.3 % RH	Atmospheric Pressure:	1010 mbar

7.2.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	
Final test 00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation

7.2.3 Test Setup Diagram



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7.2.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping OFF, CW Tx

3. Spectrum Analyzer conditions:

Frequency: Test Frequency

Span 1MHz

RBW 10 kHz (Modulation OFF),

VBW 10 kHz (Modulation OFF),

Sweep Time Auto

Detector mode Positive peak

Indication mode Max hold

Alternative method:

Frequency: Test Frequency

Span 2 times channel bandwidth

RBW 100 kHz (Modulation ON),

VBW 100 kHz (Modulation ON),

Sweep Time Auto

Detector mode Positive peak

Indication mode Max hold

Please Refer to Appendix for Details



7.3 Occupied Bandwidth(99%)

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Test Engineer:	Banna Ban
Limit:	
	FH: 83.5MHz or less
	OFDM: within 26MHz and 26-40 MHz
	Others: 26MHz or less

7.3.1 E.U.T. Operation

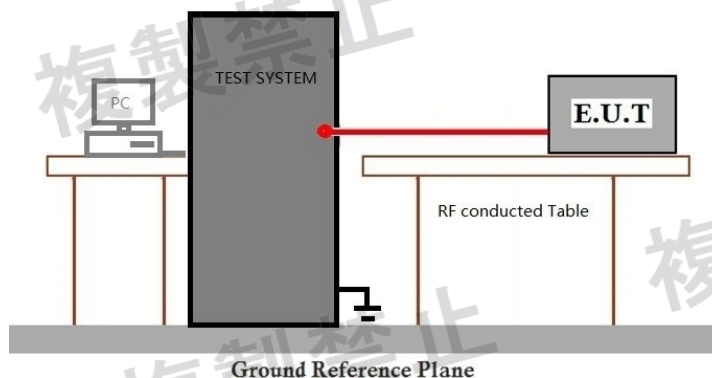
Operating Environment:

Temperature: 21.6 °C Humidity: 64.3 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	
Final test 00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation

7.3.3 Test Setup Diagram



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7.3.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, Modulation Tx

For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.

3. Spectrum Analyzer conditions:

Frequency: Test Frequency

Span 83.5 MHz (FHSS); 40/60 MHz (OFDM; DSSS); 2-5 times OBW (Others)

RBW 1 MHz (FHSS); 300kHz (OFDM; DSSS); 3% OBW (Others)

VBW 1 MHz (FHSS); 300kHz (OFDM; DSSS); 3 times RBW (Others)

Sweep Time Auto

detector mode Positive peak

Indication mode Max hold

OBW 99%

Please Refer to Appendix for Details



7.4 Antenna Power and EIRP

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Test Engineer:	Banna Ban
Limit:	Designated value
	(1) FH, FH+DS, FH+OFDM: 3mW/MHz
	(used in the range of 2427 - 2470.75 MHz)
	(2) OFDM, DS other than (1) 10mW/MHz
	(3) Other than (1) & (2) 10mW
	(4) OFDM OBW within 26MHz and 26-40 MHz: 5mW/MHz
	Tolerance:<=20%
	EIRP: Above upper limit for DSSS, OFDM, FHSS and GFSK + 2.14dBi or less

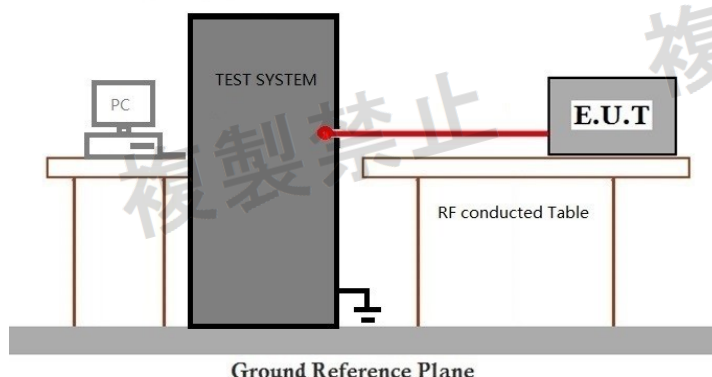
7.4.1 E.U.T. Operation

Operating Environment:	
Temperature:	21.6 °C
Humidity:	64.3 % RH
Atmospheric Pressure:	1010 mbar

7.4.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation

7.4.3 Test Setup Diagram



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7.4.4 Measurement Procedure and Data

1. Test Conditions:

Power meter is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, Modulation Tx

For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.

3. Test Procedures:

1). The EUT was directly connected to the power meter.

2). The EUT was set to fixed frequency mode.

Please Refer to Appendix for Details



7.5 Spurious emission Intensity

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Test Engineer:	Banna Ban
Limit:	(1) Below 2387 MHz: 2.5 μ W/MHz (2) 2387 to 2400 MHz: 25 μ W/MHz (3) 2483.5 through 2496.5 MHz: 25 μ W/MHz (4) Over 2496.5 MHz: 2.5 μ W/MHz

7.5.1 E.U.T. Operation

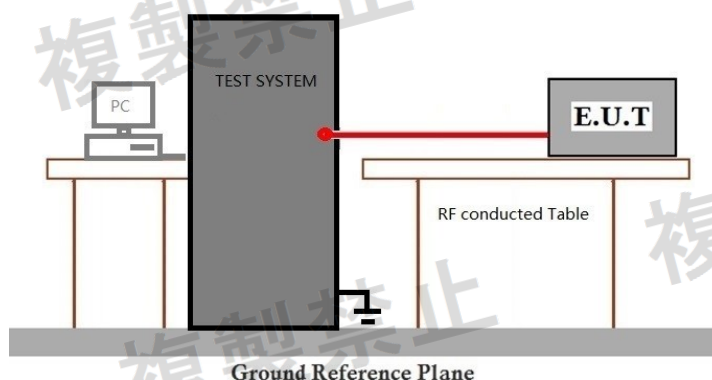
Operating Environment:

Temperature: 21.6 °C Humidity: 64.3 % RH Atmospheric Pressure: 1010 mbar

7.5.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation

7.5.3 Test Setup Diagram



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7.5.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON, Modulation Tx

For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.

3. Spectrum Analyzer conditions:

Step 1

All spurious are measured from 30 MHz to 13 GHz by peak mode.

Step 2

If the value measured by Step1 is 2 dB or less, measure in average mode.

Test setup for Step 1:

Frequency: 30 MHz - 2400 MHz, 2483.5 MHz -13 GHz

RBW 1 MHz

VBW 1 MHz

Sweep Time Auto

detector mode Positive peak

Indication mode Max hold

Test setup for Step 2:

Frequency: Spurious Frequency

RBW 1 MHz

VBW 1 MHz

Sweep Time Auto

detector mode Sample

Indication mode Max hold

Please Refer to Appendix for Details



7.6 Limit of secondary radiated emissions

Test Requirement	MIC Item 19 of Article 2 Paragraph 1
Test Method:	MIC Notice No.88 Appendix No.43
Test Engineer:	Banna Ban
Limit:	(1) Below 1 GHz: 4 nW or less (2) 1 GHz and over: 20 nW or less

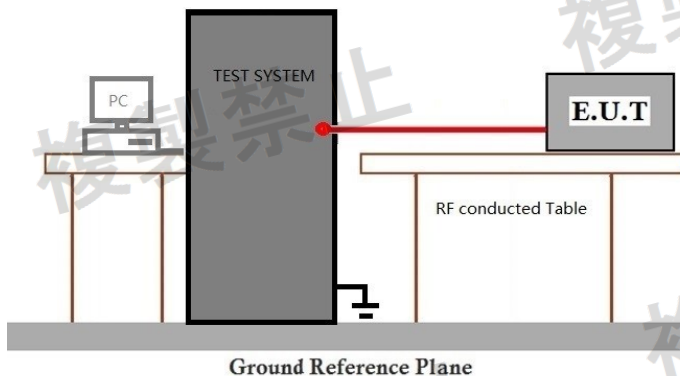
7.6.1 E.U.T. Operation

Operating Environment:					
Temperature:	21.6 °C	Humidity:	64.3 % RH	Atmospheric Pressure:	1010 mbar

7.6.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	
Final test	01	RX_Keep the EUT in receiving mode

7.6.3 Test Setup Diagram



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7.6.4 Measurement Procedure and Data

1. Test Conditions:

Spectrum Analyzer is used for measurement.

2. EUT conditions:

Modulation/Spread/Hopping ON

For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal.

3. Spectrum Analyzer conditions:

Step 1

All spurious are measured from 30 MHz to 13 GHz by peak mode.

Step 2

If the value measured by Step1 is 2 dB or less, measure in average mode.

Test setup for Step 1:

Frequency: 30 MHz - 2400 MHz, 2483.5 MHz -13 GHz

RBW 100 kHz (30 - 1GHz), 1 MHz (over 1GHz)

VBW 100 kHz (30 - 1GHz), 1 MHz (over 1GHz)

Sweep Time Auto

detector mode Positive peak

Indication mode Max hold

Test setup for Step 2:

Frequency: Spurious Frequency

Span 0 Hz

RBW 100 kHz (30 - 1GHz), 1 MHz (over 1GHz)

VBW 100 kHz (30 - 1GHz), 1 MHz (over 1GHz)

Sweep Time Auto

detector mode Sample

Indication mode Max hold

Please Refer to Appendix for Details



7.7 Transmitting Antenna Absolute Gain

Test Requirement MIC Item 19 of Article 2 Paragraph 1

Test Method: MIC Notice No.88 Appendix No.43

Test Engineer: Banna Ban

Limit:

(1) FHSS, FHSS+DSSS, FHSS+OFDM with a frequency range that includes 2427 MHz to 2470.75 MHz

Limit [dBi] = 12.14 [dBi] + 10log3 [dBm/MHz] – 10log P [dBm/MHz]

(2) OFDM where OBW ranges from 26 MHz to 40 MHz.

Limit [dBi] = 12.14 [dBi] + 10log5 [dBm/MHz] – 10log P [dBm/MHz]

(3) Other than (1) and (2)

Limit [dBi] = 12.14 [dBi] + 10log10 [dBm/MHz] – 10log P [dBm/MHz]

Where:

P is the rated output power declared in the construction design document [mW]

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 21.6 °C

Humidity: 64.3 % RH

Atmospheric Pressure: 1010 mbar

7.7.2 Test Mode Description

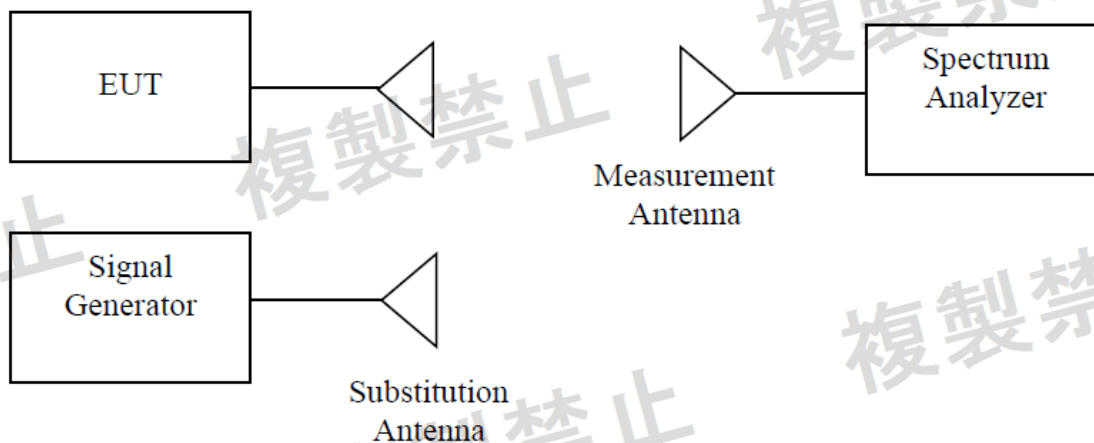
Pre-scan / Mode

Final test Code

Description

Final test 00 TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation

7.7.3 Test Setup Diagram



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7.7.4 Measurement Procedure and Data

- (1) Set the EUT on the turntable, positioned at the same height as the measurement antenna. Enable EUT transmit mode.
- (2) To find the EUT's maximum EIRP(E), rotate the EUT using the turntable and move the height of the measurement antenna (approximately +/-50cm)
- (3) Replace the EUT with the substitution antenna and point the substitution antenna towards the measurement antenna. Enable the signal generator's RF output and check the measurement antenna is receiving the generator's signal
- (4) To find the direction of the peak output level, rotate the substitution antenna and lock it at the position of maximum received signal
- (5) To find the peak output level, move the height of the measurement antenna (approximately +/-50cm) and lock it at the position of maximum received signal
- (6) To find the same EIRP level as found in (2), adjust the Output Level (Ps) of the signal generator
- (7) Calculate the EUT's Antenna Gain using the following formula:

Antenna Gain = GS – LF + PS – PE

Where:

GS: substitution antenna gain [dBi]

LF: cable loss [dB]

PS: signal generator output level [dBm]

PE: EUT measured output power at RF feed point

Conclusion:

The max EIRP refers to section 3.1.2 of appendix ≤ 12.14dBm, so the Transmitting Antenna Absolute Gain exemption testing.



7.8 Half Power Beam Angle

Test Requirement MIC Item 19 of Article 2 Paragraph 1

Test Method: MIC Notice No.88 Appendix No.43

Test Engineer: Banna Ban

Limit:

Antenna Beamwidth Limit = $360 / A$ (in degrees)

Where:

A is a dimensionless value calculated using the formula below.

– Note: if the calculated value of A is less than 1, then set $A = 1$ $A = (P \times G) / \text{EIRP}_{\text{ref}}$

Where:

P - Rated output power declared in the construction design document [mW]

G - Measured Antenna Gain [dimensionless multiplier]

EIRP_{ref} - An absolute value categorized by the three cases shown below:

(1) FHSS, FHSS+DSSS, FHSS+OFDM, ranging from 2427 MHz to 2470.75 MHz

4.91 mW/MHz (6.91 dBm/MHz)

(2) DSSS, OFDM, FHSS, FHSS+DSSS, FHSS+OFDM

16.36 mW/MHz (12.14 dBm/MHz)

(3) Other than (1), (2)

16.36 mW (12.14 dBm)

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21.6 °C

Humidity: 64.3 % RH

Atmospheric Pressure: 1010 mbar

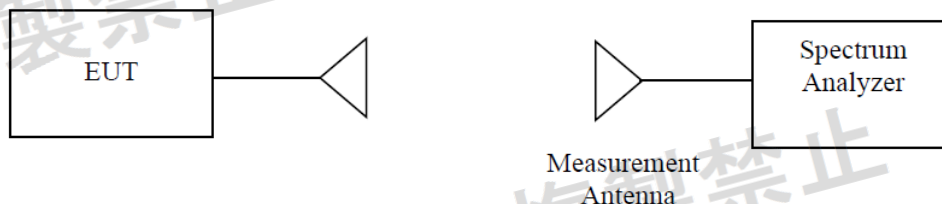
7.8.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	
Final test 00	TX mode_Keep the EUT in continuously transmitting mode with GFSK modulation

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7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

- (1) Set the EUT on the turntable, positioned at the same height as the measurement antenna. Enable EUT transmit mode.
- (2) Configure the spectrum analyzer to [Setting 1]
- (3) To find the EUT's maximum EIRP (E), rotate the EUT using the turntable and move the height of the measurement antenna (approximately +/-50cm)
- (4) Rotate the EUT, both sides of the maximum EIRP point, to find the positions (offset angles) that are 3dB below
- (E); the Measured Antenna Beamwidth is the sum of these two angles
- (5) Check the Measured Antenna Beamwidth is less than the Calculated Antenna Beamwidth Limit defined in Section 14.7
- (6) Rotate the EUT to measure the EIRP at all angles other than the Measured Antenna Beamwidth calculated in (4). Check that the EIRPs are all at least 3dB less than (E)
- (7) To change the polarization of EUT's antenna, rotate the EUT 90 degrees about the plane pointing towards the measurement antenna. Then repeat the same procedure in steps (3) through (5).

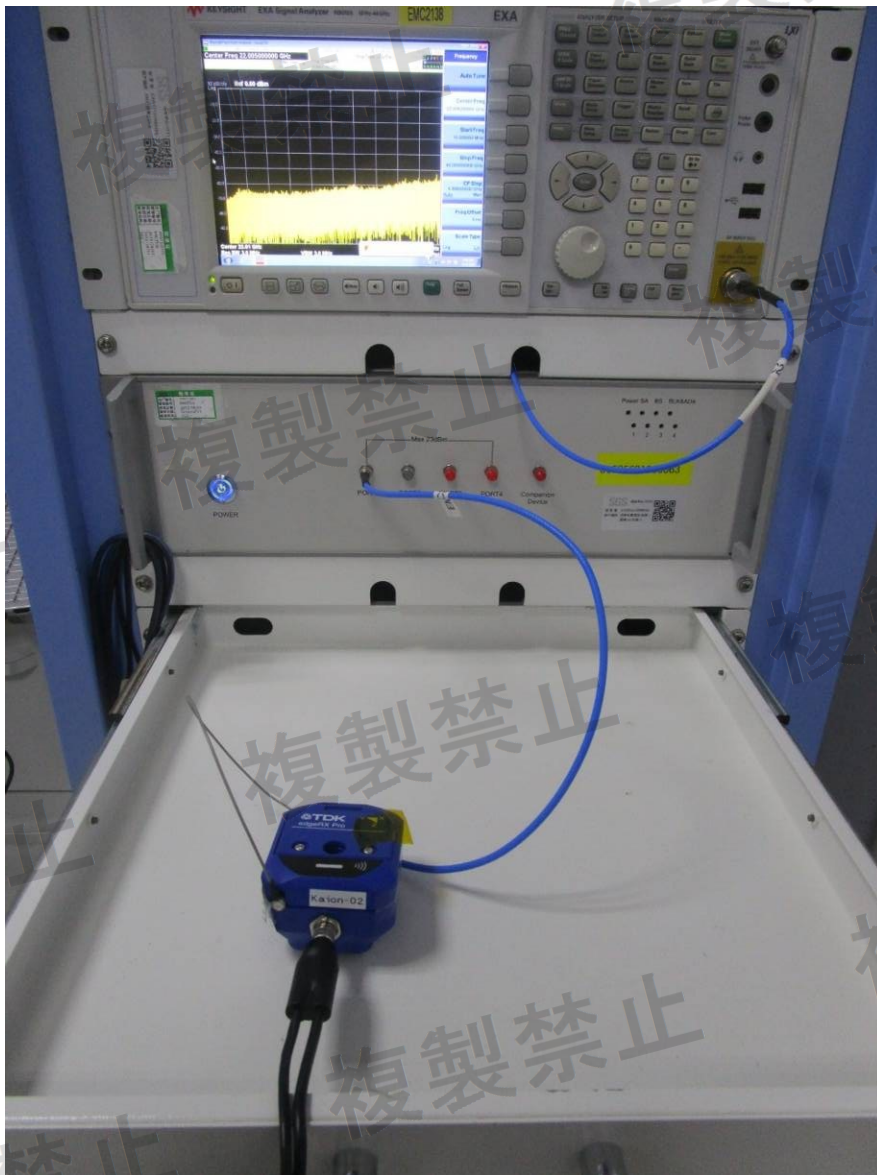
Conclusion:

The max EIRP refers to section 3.1.2 of appendix $\leq 12.14\text{dBm}$, so the Half Power Beam Angle exemption testing.



8 Test Setup Photo

Antenna Power and EIRP



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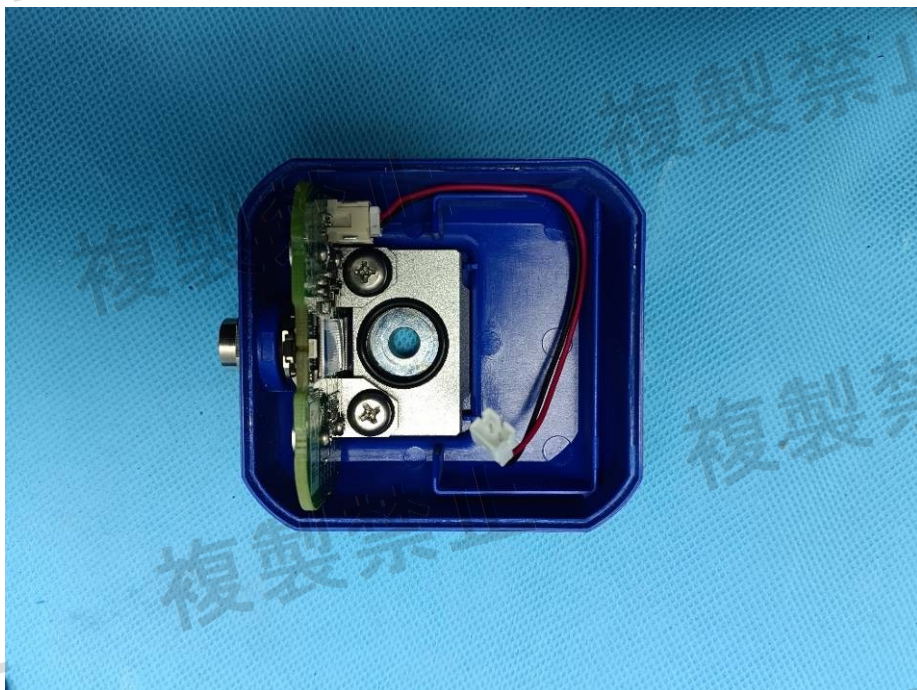
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9 EUT Constructional Details (EUT Photos)



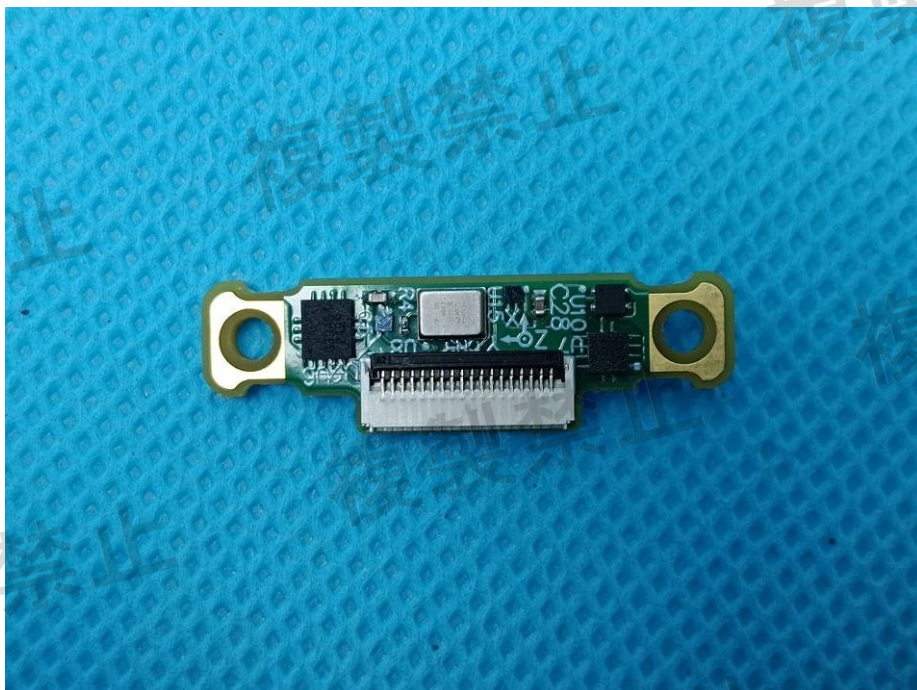
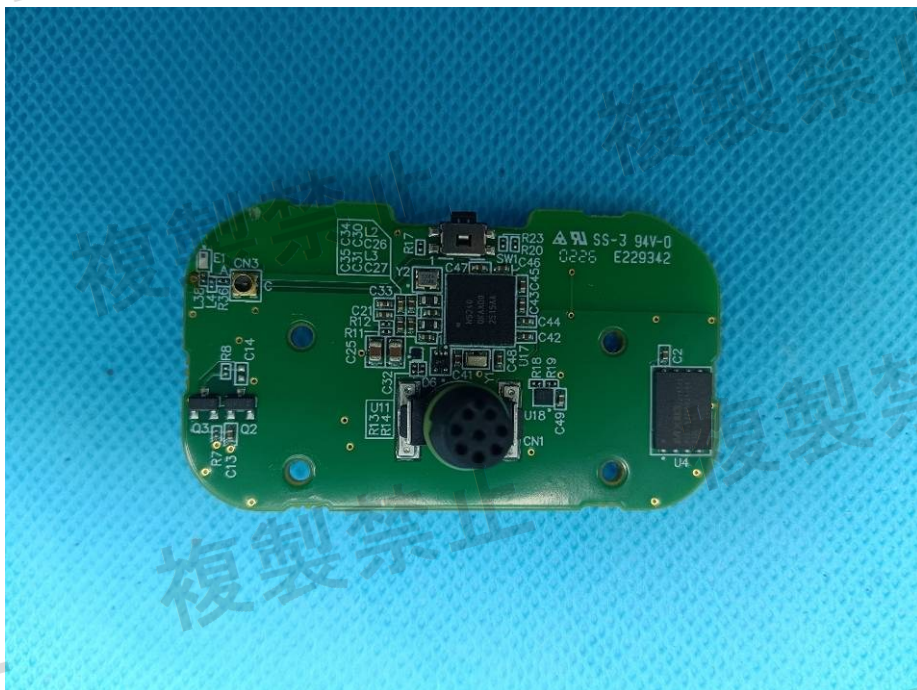
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10 Appendix

1. Frequency Error

1.1 Test Result

1.1.1 Ant1

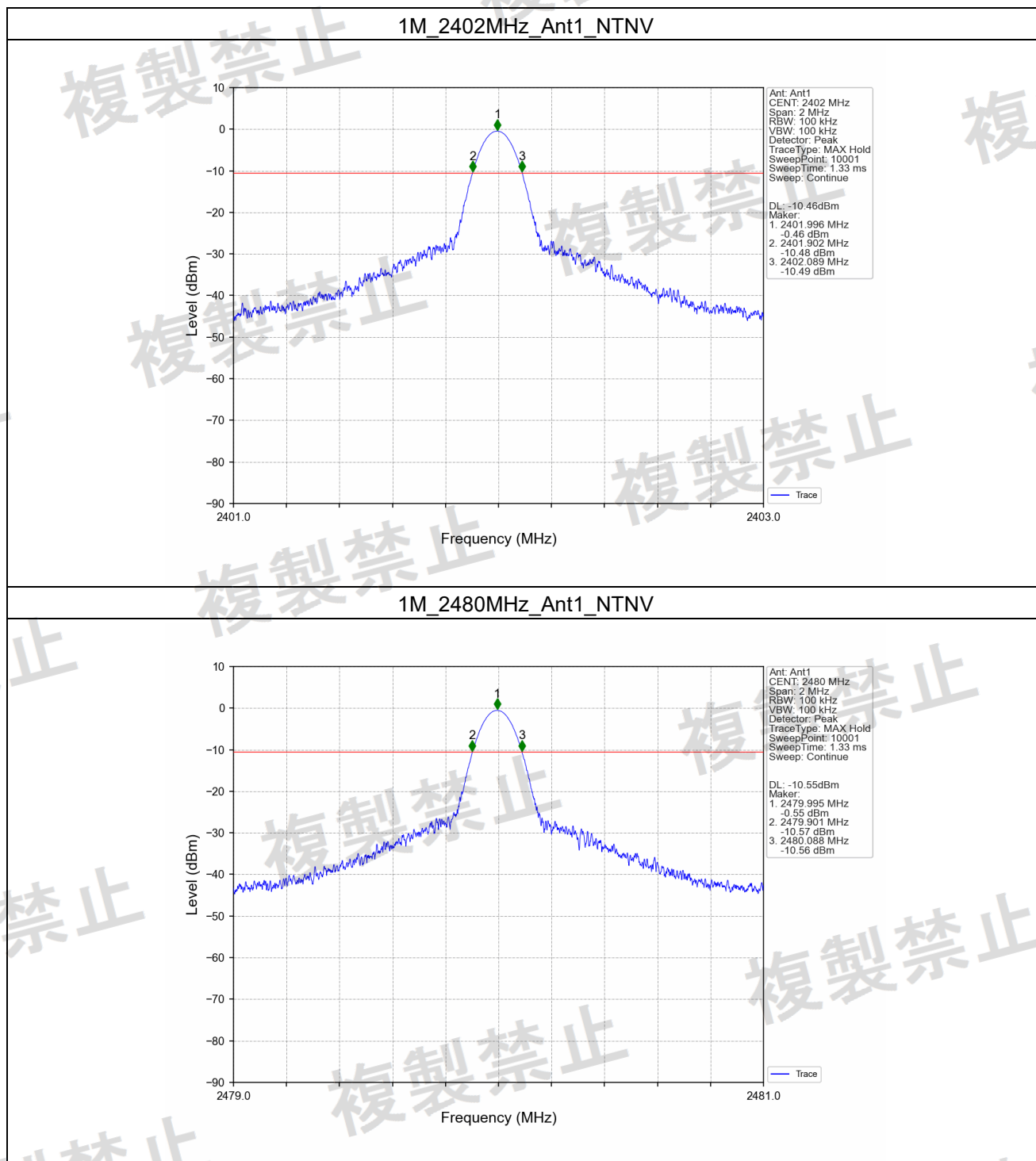
Ant1							
ENV	Mode	TX Type	Frequency (MHz)	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
					Result	Limit	
NTNV	1M	SISO	2402	2401.996	-1.75	-50 to 50	Pass
			2480	2479.995	-2.10	-50 to 50	Pass
	2M	SISO	2402	2401.999	-0.58	-50 to 50	Pass
			2480	2479.996	-1.53	-50 to 50	Pass
NTLV	1M	SISO	2402	2401.995	-2.00	-50 to 50	Pass
			2480	2479.995	-1.90	-50 to 50	Pass
	2M	SISO	2402	2401.996	-1.83	-50 to 50	Pass
			2480	2479.996	-1.53	-50 to 50	Pass
NTHV	1M	SISO	2402	2401.996	-1.83	-50 to 50	Pass
			2480	2479.995	-1.90	-50 to 50	Pass
	2M	SISO	2402	2401.996	-1.67	-50 to 50	Pass
			2480	2479.997	-1.37	-50 to 50	Pass

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1.2 Test Graph

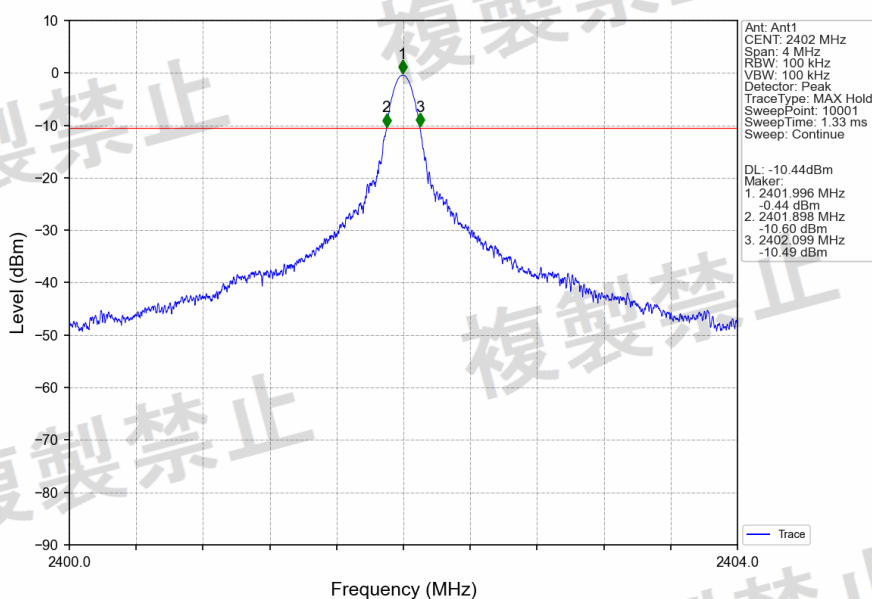
1.2.1 Ant1



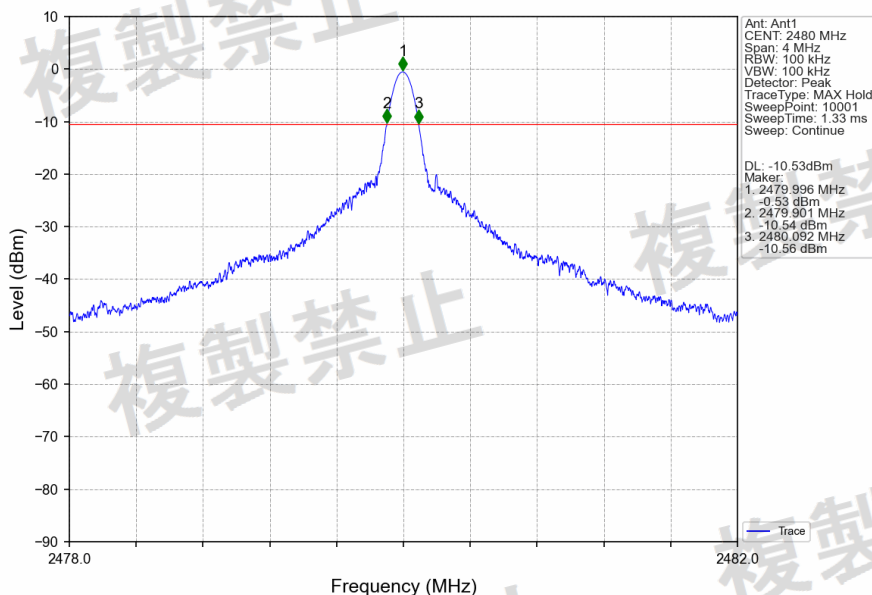
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2M_2402MHz_Ant1_NTNV



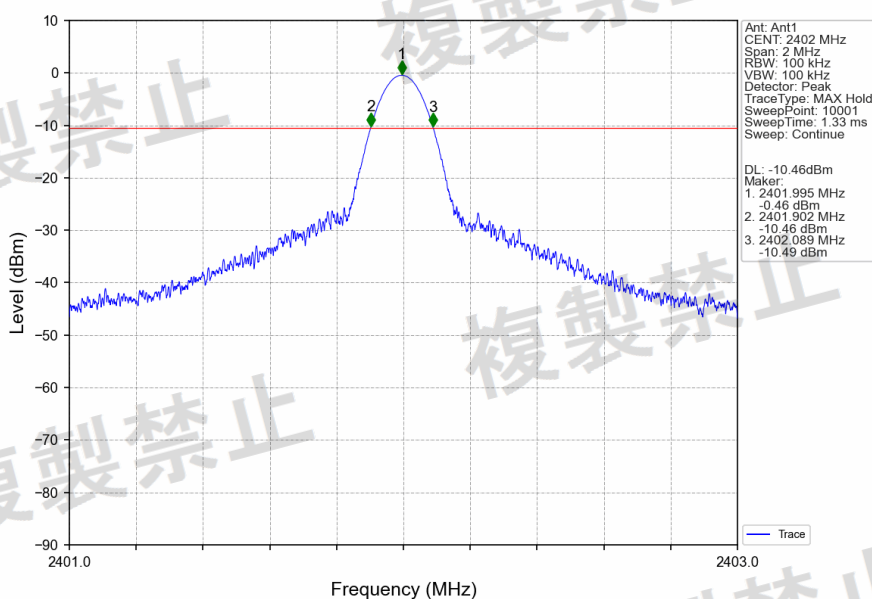
2M_2480MHz_Ant1_NTNV



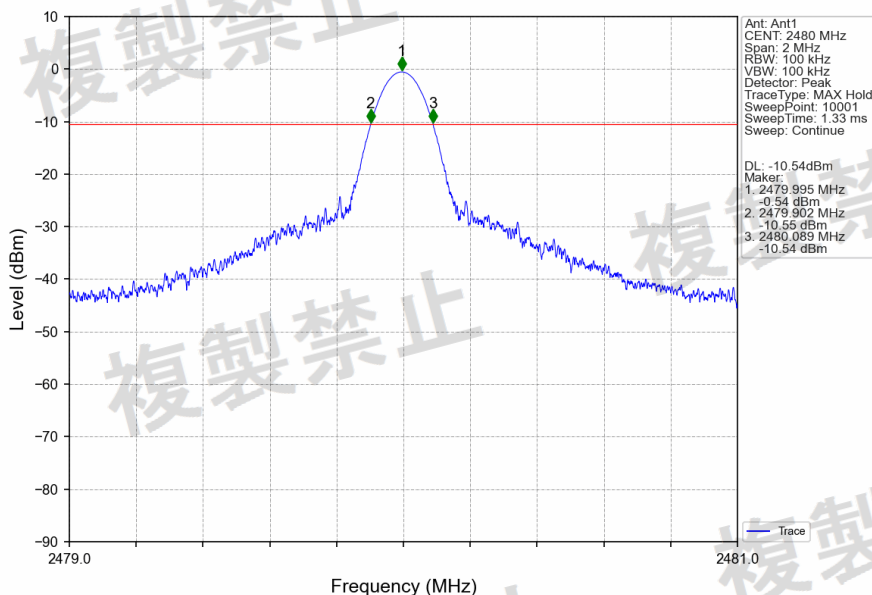
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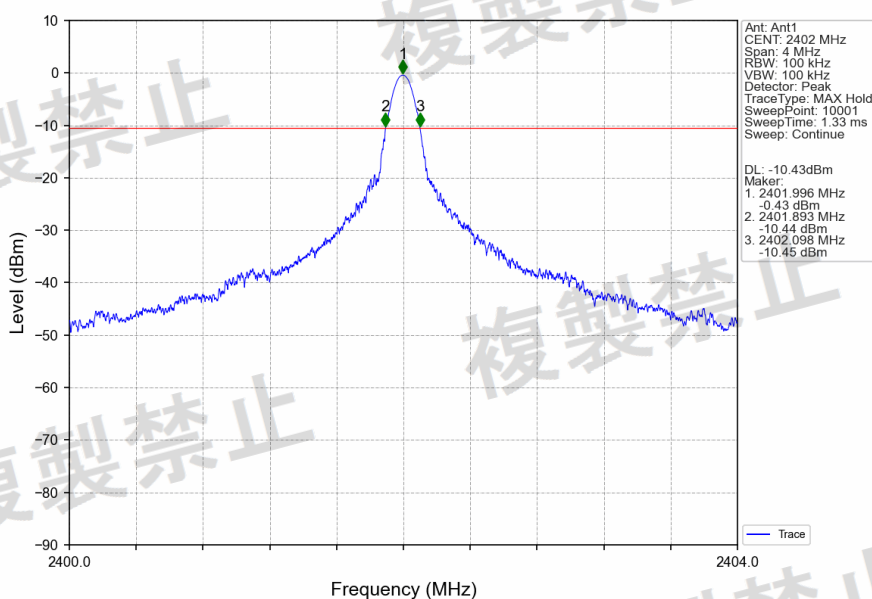
1M_2402MHz_Ant1_NTLV



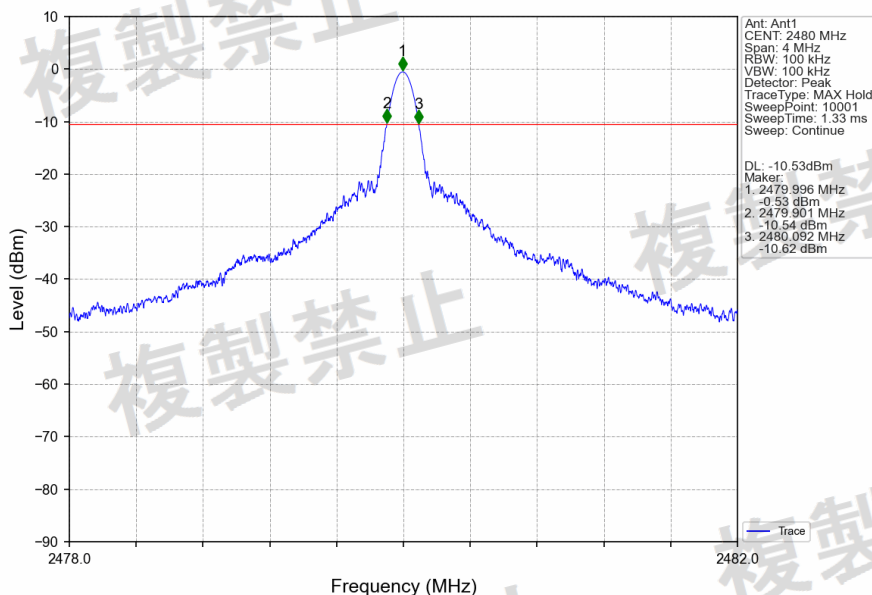
1M_2480MHz_Ant1_NTLV



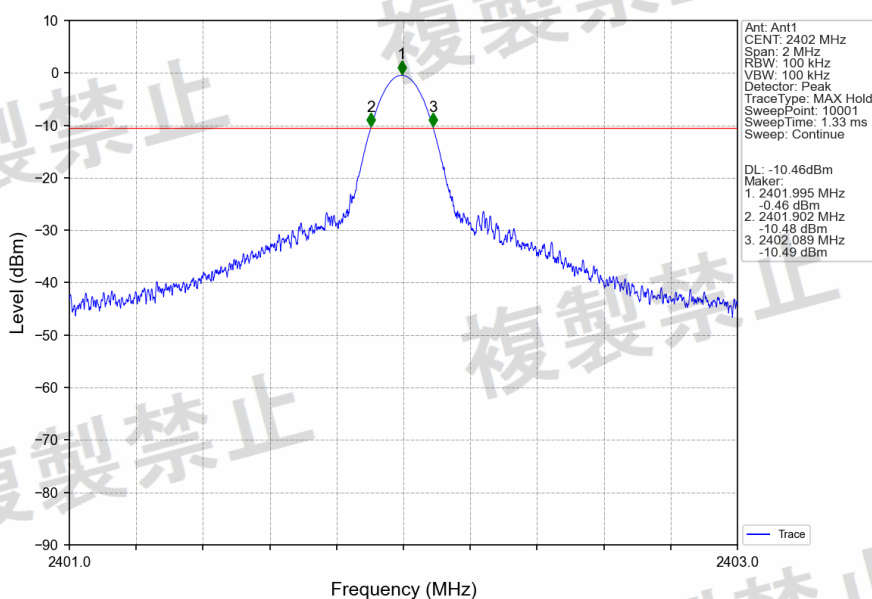
2M_2402MHz_Ant1_NTLV



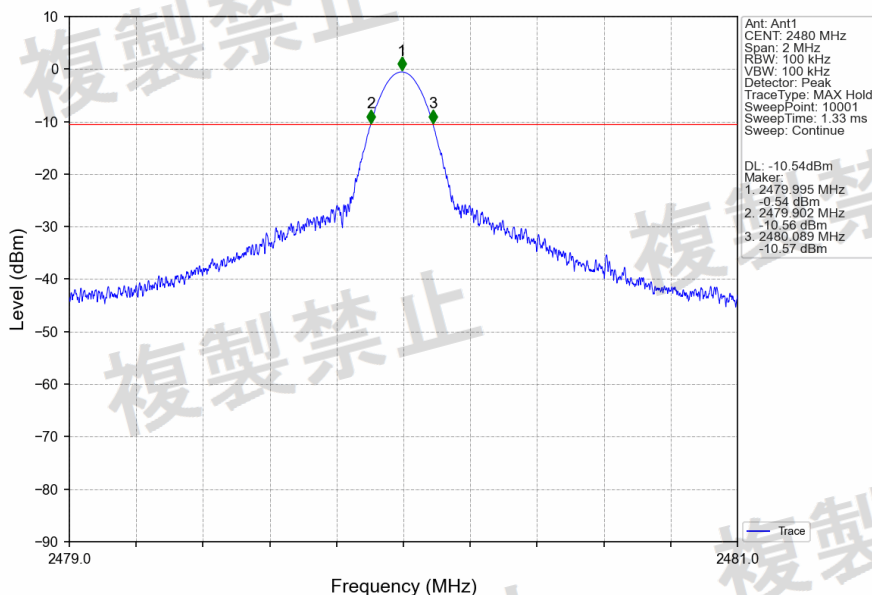
2M_2480MHz_Ant1_NTLV



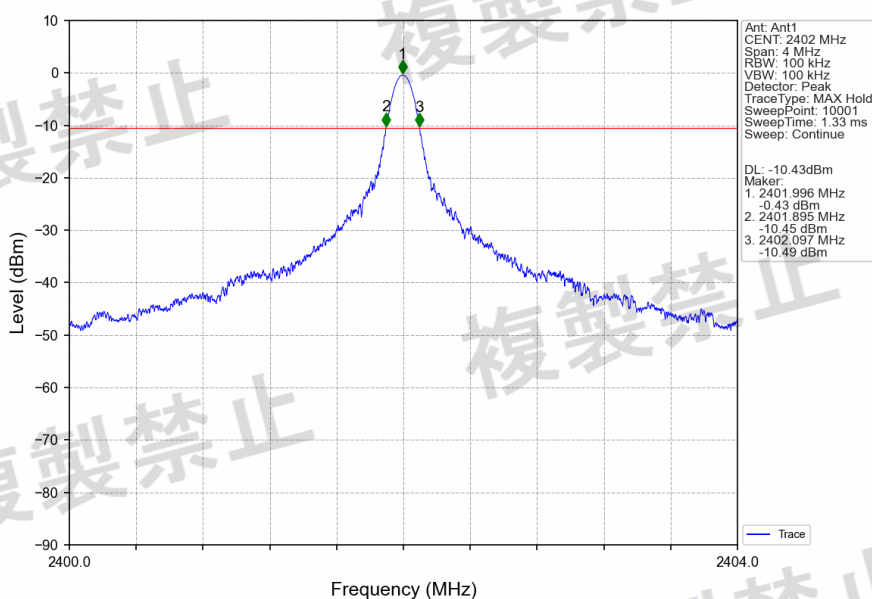
1M_2402MHz_Ant1_NTHV



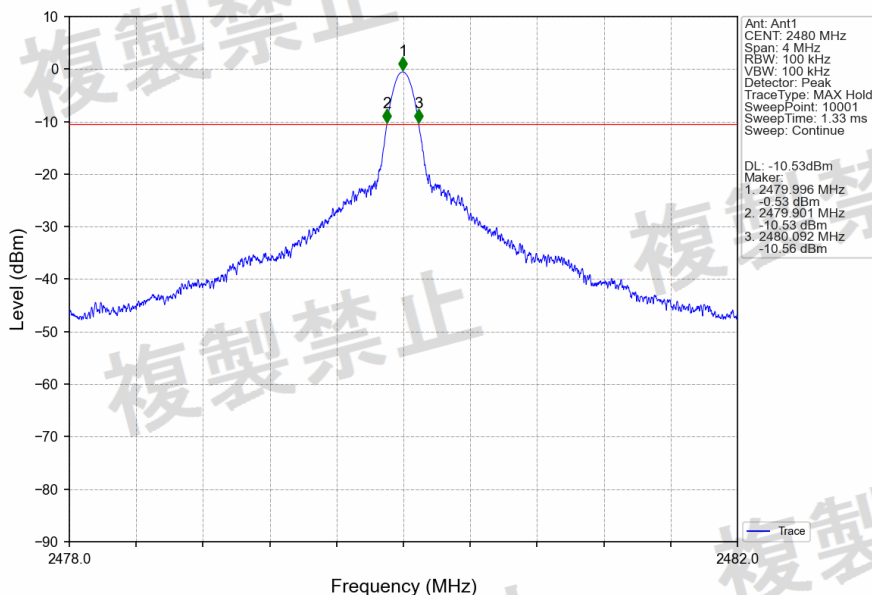
1M_2480MHz_Ant1_NTHV



2M_2402MHz_Ant1_NTHV



2M_2480MHz_Ant1_NTHV



2. Occupied Bandwidth

2.1 Test Result

2.1.1 OBW

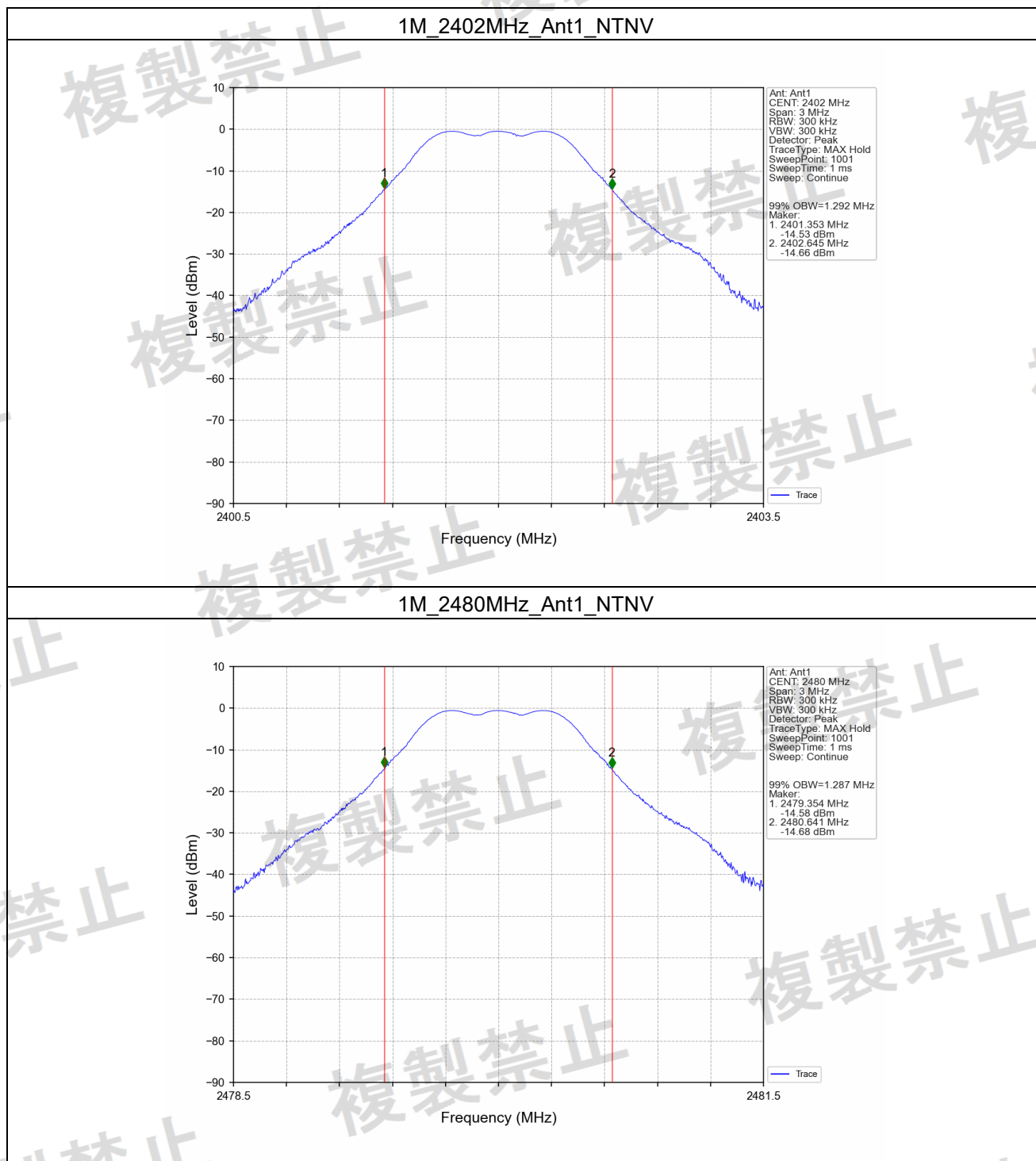
ENV	Mode	TX Type	Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
				ANT1	Limit	
NTNV	1M	SISO	2402	1.292	<=26	Pass
			2480	1.287	<=26	Pass
	2M	SISO	2402	2.222	<=26	Pass
			2480	2.222	<=26	Pass
NTLV	1M	SISO	2402	1.293	<=26	Pass
			2480	1.287	<=26	Pass
	2M	SISO	2402	2.222	<=26	Pass
			2480	2.222	<=26	Pass
NTHV	1M	SISO	2402	1.291	<=26	Pass
			2480	1.287	<=26	Pass
	2M	SISO	2402	2.223	<=26	Pass
			2480	2.222	<=26	Pass

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2.2 Test Graph

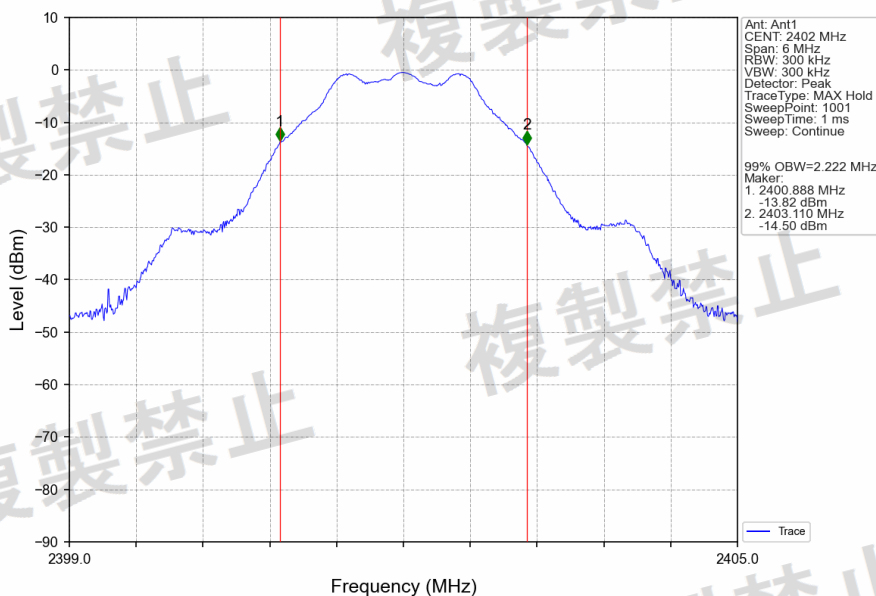
2.2.1 OBW



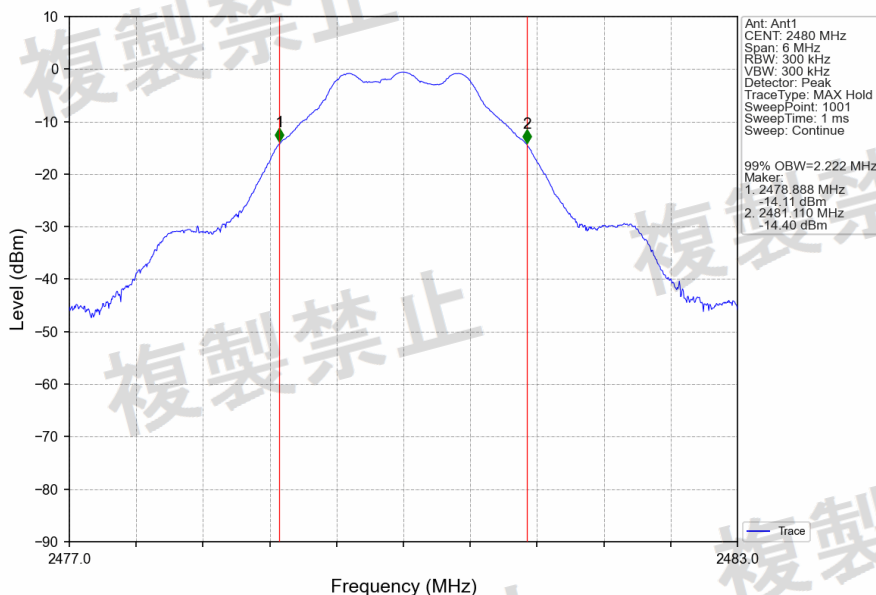
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2M_2402MHz_Ant1_NTNV



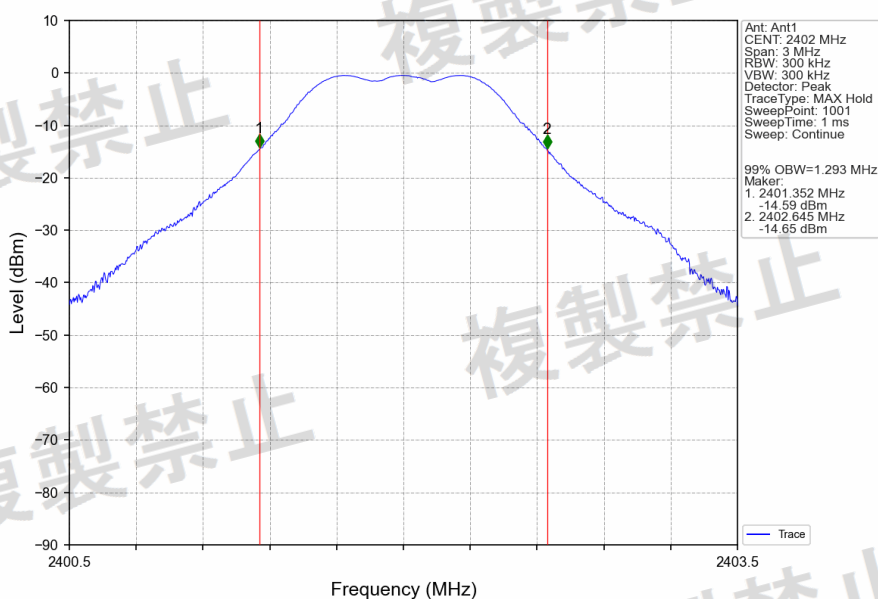
2M_2480MHz_Ant1_NTNV



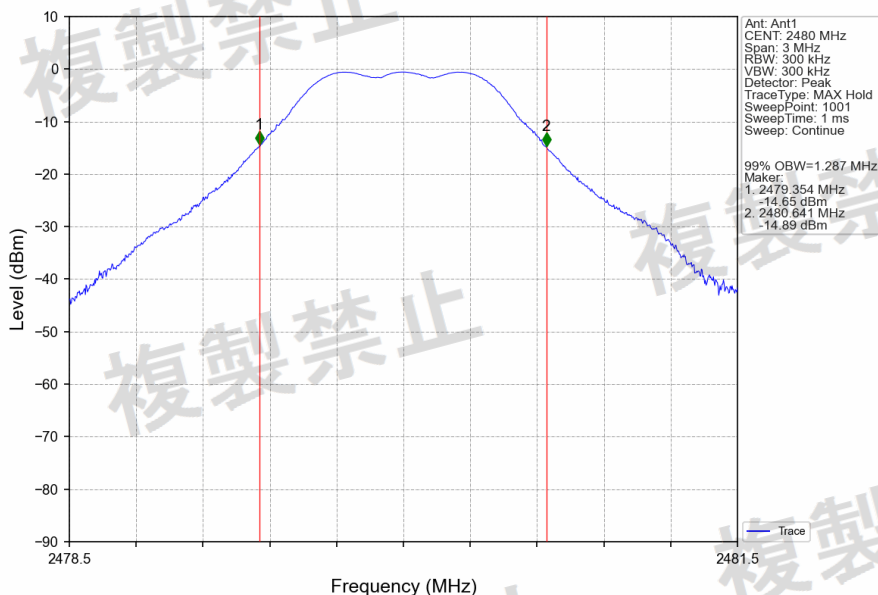
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1M_2402MHz_Ant1_NTLV



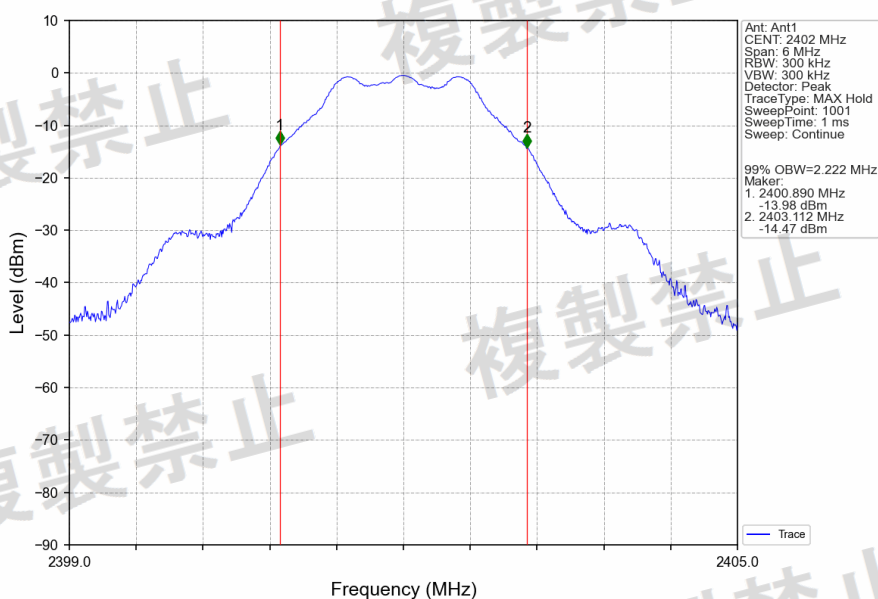
1M_2480MHz_Ant1_NTLV



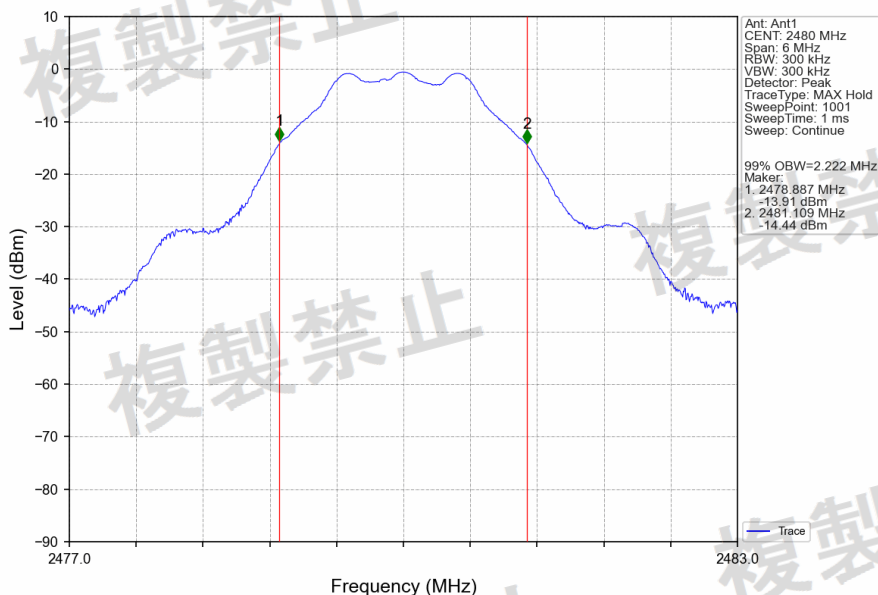
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2M_2402MHz_Ant1_NTLV



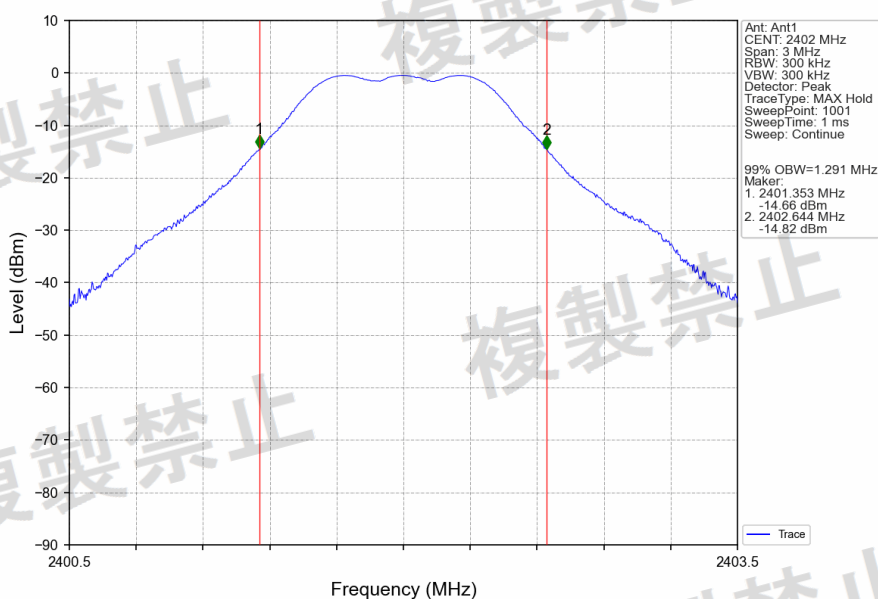
2M_2480MHz_Ant1_NTLV



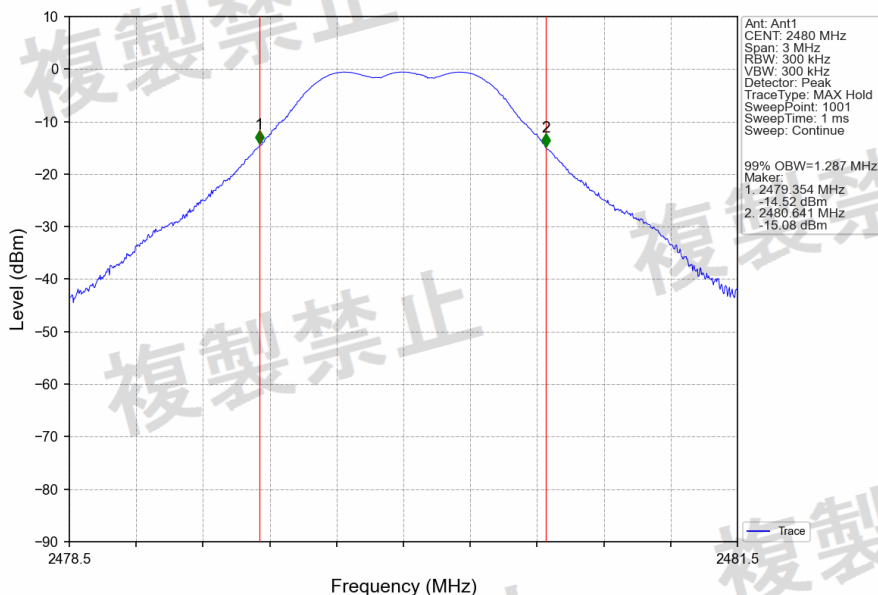
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1M_2402MHz_Ant1_NTHV



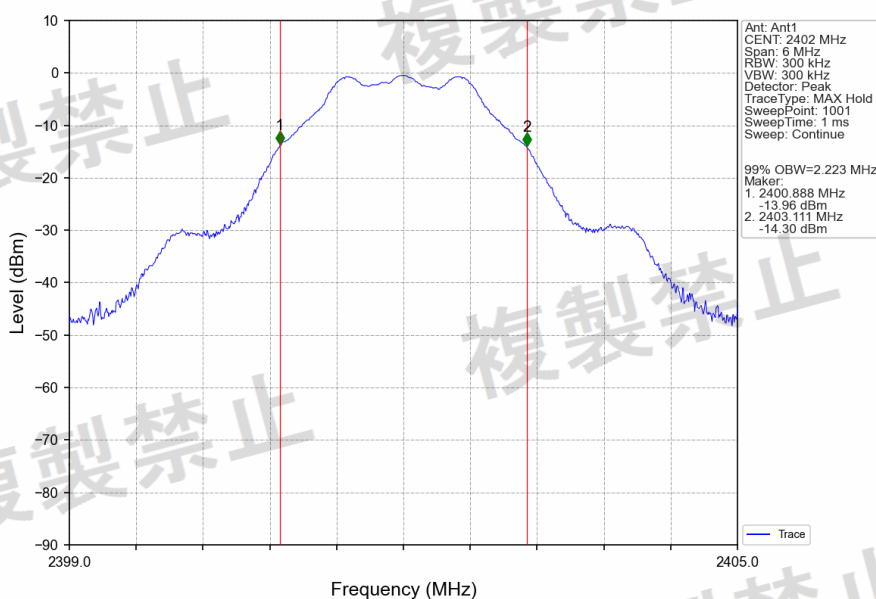
1M_2480MHz_Ant1_NTHV



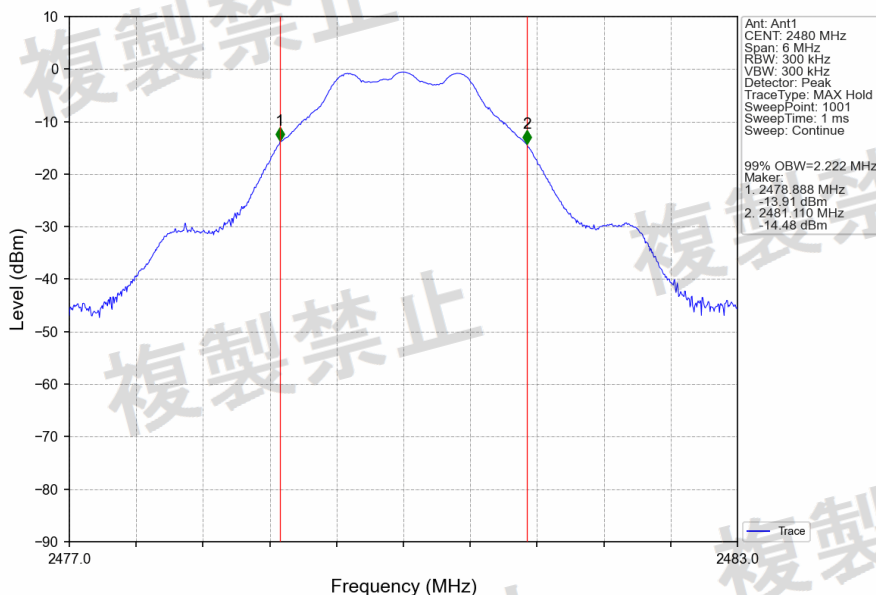
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2M_2402MHz_Ant1_NTHV



2M_2480MHz_Ant1_NTHV



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3. Antenna Power

3.1 Test Result

3.1.1 Power

ENV	Mode	TX Type	Frequency (MHz)	ANT	Antenna Power (mW)		Nominal Power (mW)	Tolerance (%)		Verdict
					Measured	Limit		Measured	Limit	
NTNV	1M	SISO	2402	1	0.874	<=10.00	0.870	0.46	<=20	Pass
			2480	1	0.847	<=10.00	0.850	-0.35	<=20	Pass
	2M	SISO	2402	1	0.833	<=10.00	0.830	0.36	<=20	Pass
			2480	1	0.826	<=10.00	0.830	-0.48	<=20	Pass
NTLV	1M	SISO	2402	1	0.851	<=10.00	0.850	0.12	<=20	Pass
			2480	1	0.833	<=10.00	0.830	0.36	<=20	Pass
	2M	SISO	2402	1	0.836	<=10.00	0.840	-0.48	<=20	Pass
			2480	1	0.822	<=10.00	0.820	0.24	<=20	Pass
NTHV	1M	SISO	2402	1	0.824	<=10.00	0.820	0.49	<=20	Pass
			2480	1	0.825	<=10.00	0.820	0.61	<=20	Pass
	2M	SISO	2402	1	0.845	<=10.00	0.850	-0.59	<=20	Pass
			2480	1	0.822	<=10.00	0.820	0.24	<=20	Pass

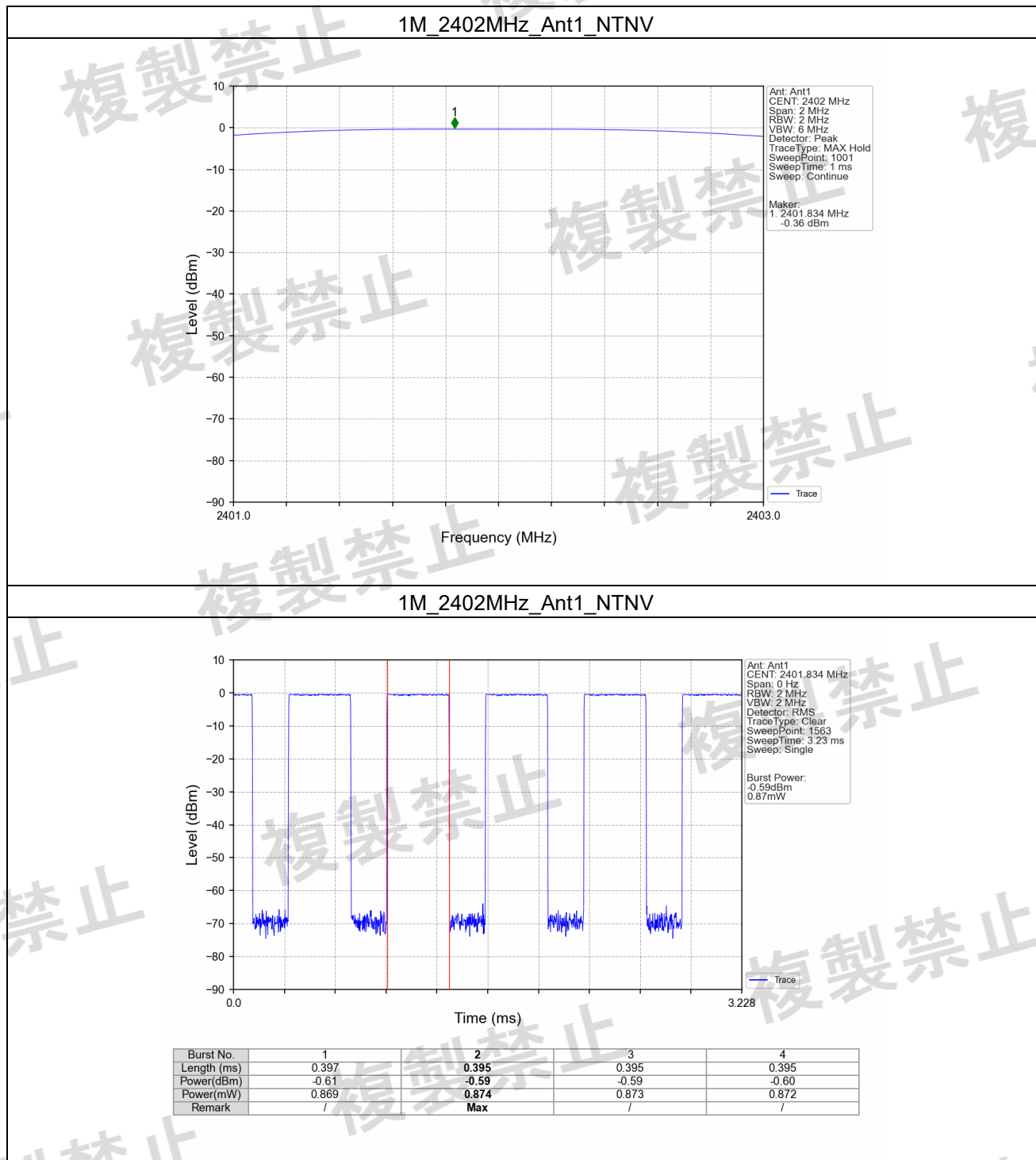
3.1.2 EIRP

ENV	Mode	TX Type	Frequency (MHz)	ANT	Gain (dBi)	EIRP (dBm)		Verdict
						Result	Limit	
NTNV	1M	SISO	2402	1	1.40	0.81	<=12.14	Pass
			2480	1	1.40	0.68	<=12.14	Pass
	2M	SISO	2402	1	1.40	0.61	<=12.14	Pass
			2480	1	1.40	0.57	<=12.14	Pass
NTLV	1M	SISO	2402	1	1.40	0.7	<=12.14	Pass
			2480	1	1.40	0.6	<=12.14	Pass
	2M	SISO	2402	1	1.40	0.62	<=12.14	Pass
			2480	1	1.40	0.55	<=12.14	Pass
NTHV	1M	SISO	2402	1	1.40	0.56	<=12.14	Pass
			2480	1	1.40	0.56	<=12.14	Pass
	2M	SISO	2402	1	1.40	0.67	<=12.14	Pass
			2480	1	1.40	0.55	<=12.14	Pass



3.2 Test Graph

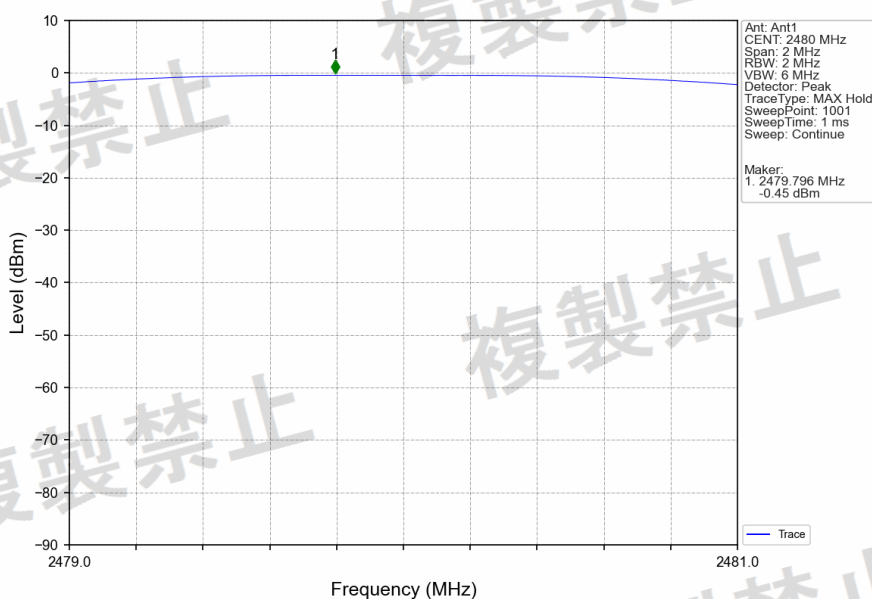
3.2.1 Power



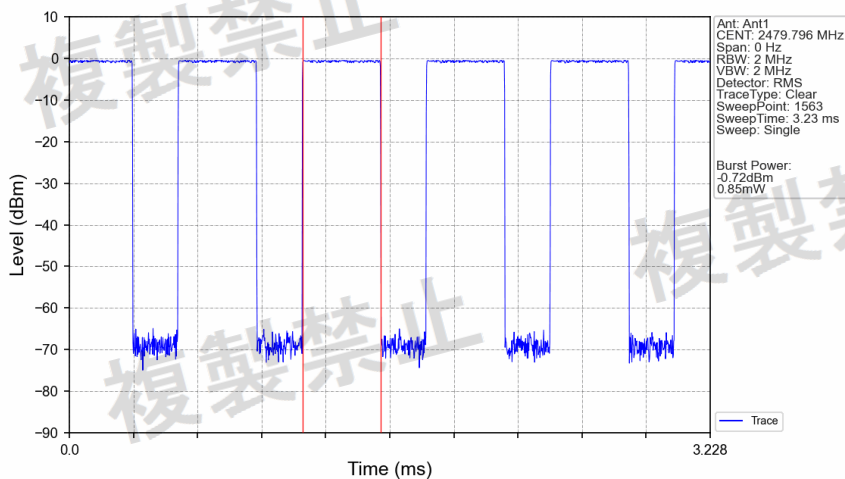
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1M_2480MHz_Ant1_NTNV



1M_2480MHz_Ant1_NTNV

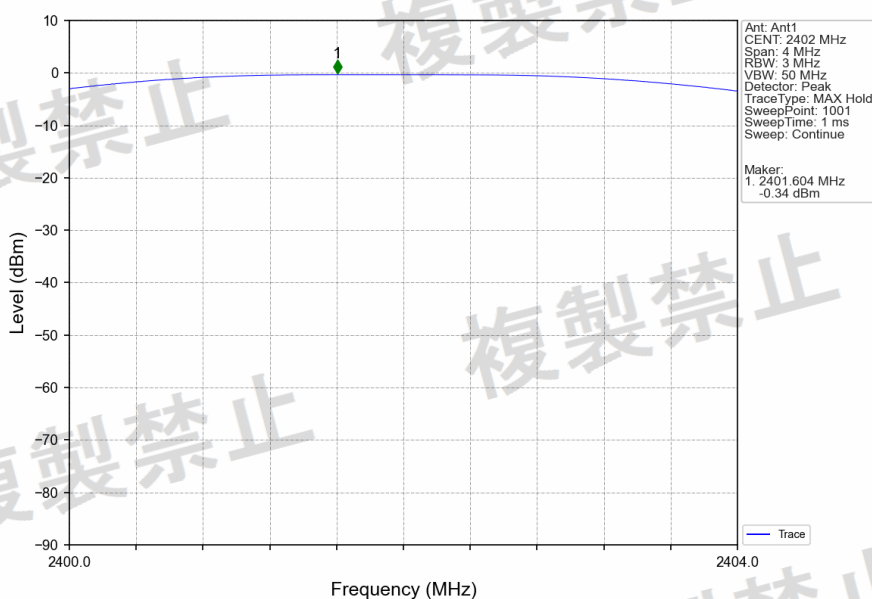


Burst No.	1	2	3	4
Length (ms)	0.397	0.395	0.395	0.397
Power(dBm)	-0.74	-0.72	-0.72	-0.74
Power(mW)	0.843	0.847	0.847	0.843
Remark	/	Max	/	/

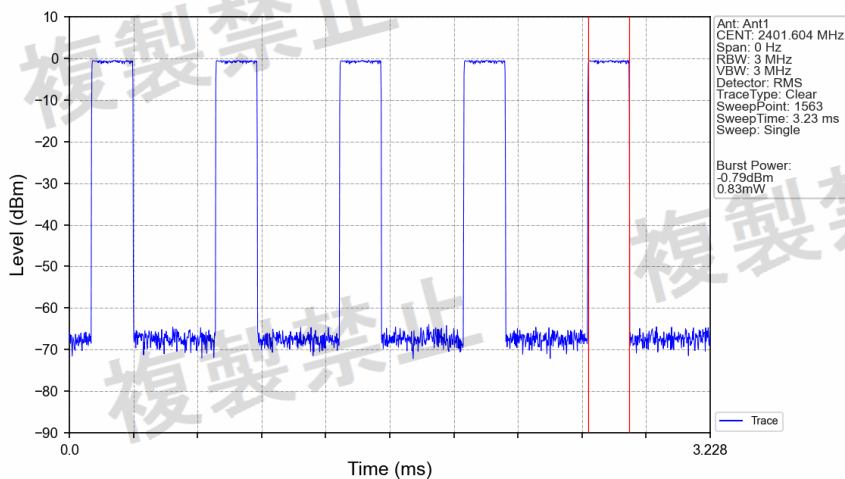
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2M_2402MHz_Ant1_NTNV



2M_2402MHz_Ant1_NTNV

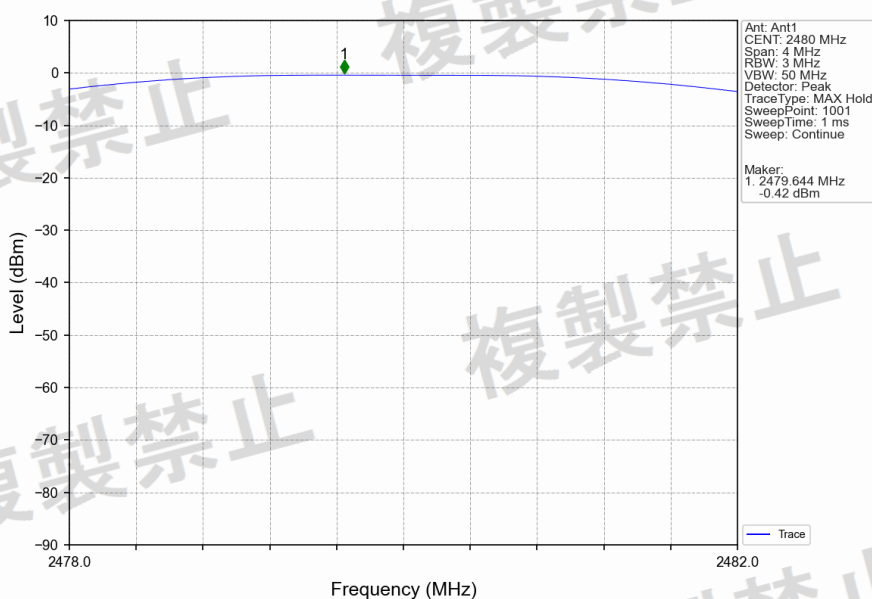


Burst No.	1	2	3	4	5
Length (ms)	0.209	0.209	0.209	0.211	0.209
Power(dBm)	-0.81	-0.80	-0.80	-0.84	-0.79
Power(mW)	0.831	0.832	0.832	0.825	0.833
Remark	/	/	/	/	Max

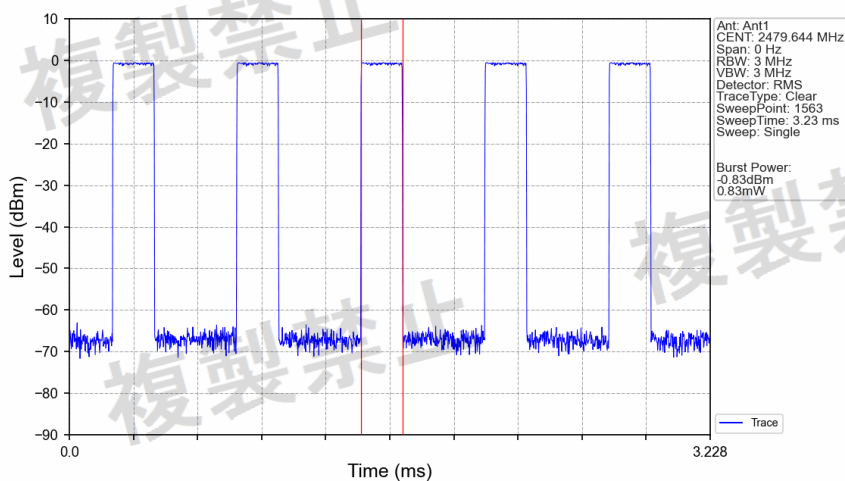
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2M_2480MHz_Ant1_NTNV



2M_2480MHz_Ant1_NTNV

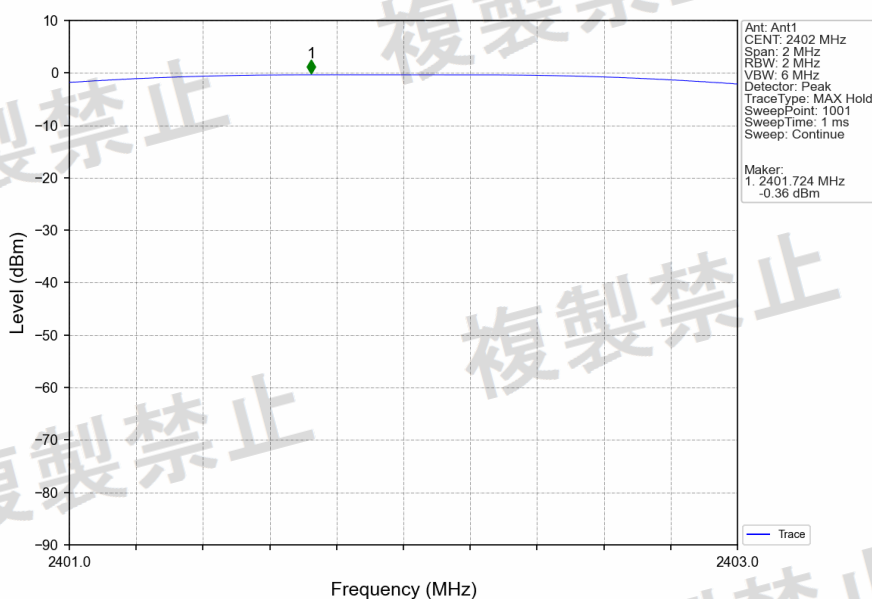


Burst No.	1	2	3	4	5
Length (ms)	0.209	0.211	0.209	0.209	0.209
Power(dBm)	-0.83	-0.87	-0.83	-0.83	-0.84
Power(mW)	0.826	0.818	0.826	0.826	0.825
Remark	/	/	Max	/	/

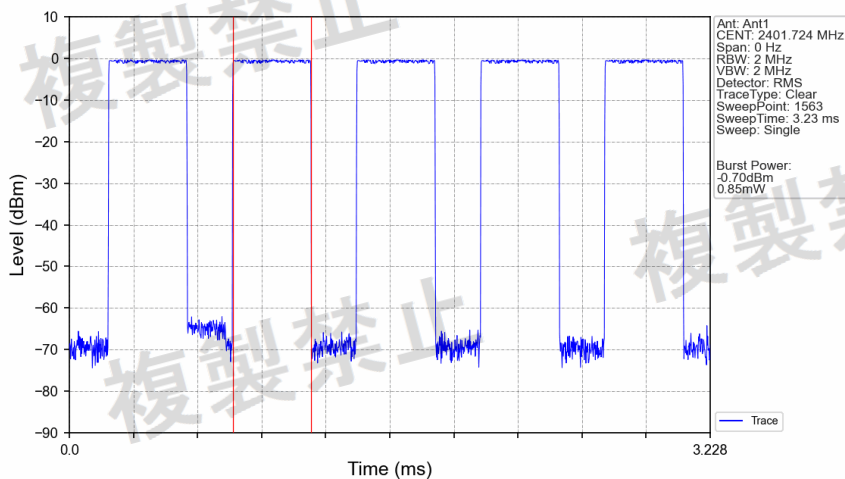
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1M_2402MHz_Ant1_NTLV



1M_2402MHz_Ant1_NTLV

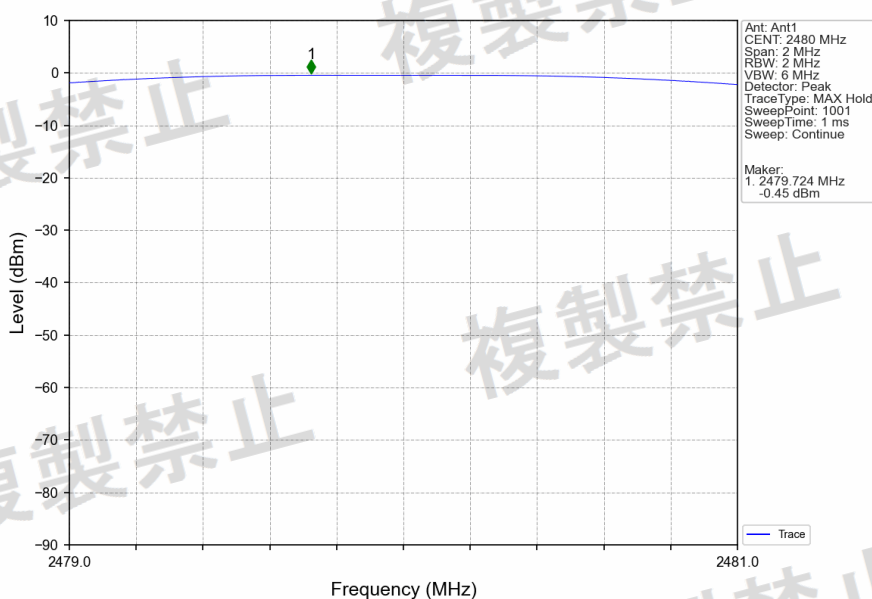


Burst No.	1	2	3	4	5
Length (ms)	0.397	0.395	0.397	0.395	0.395
Power(dBm)	-0.72	-0.70	-0.73	-0.71	-0.71
Power(mW)	0.846	0.851	0.846	0.850	0.850
Remark	/	Max	/	/	/

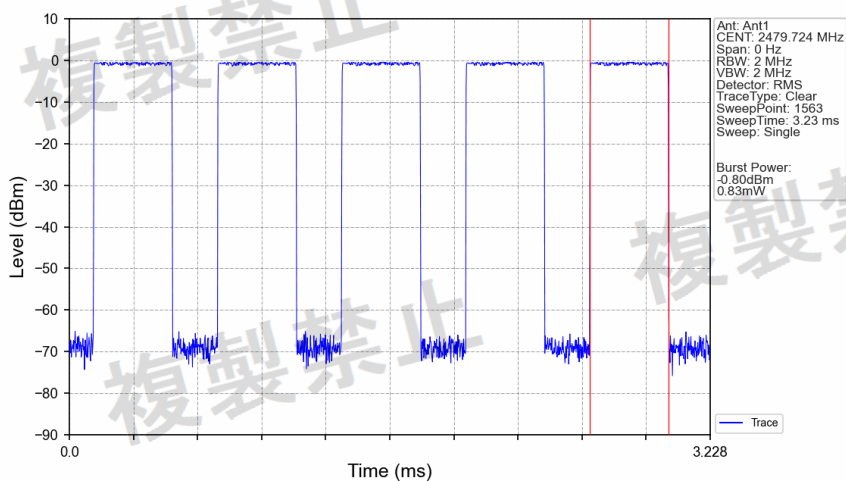
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1M_2480MHz_Ant1_NTLV



1M_2480MHz_Ant1_NTLV

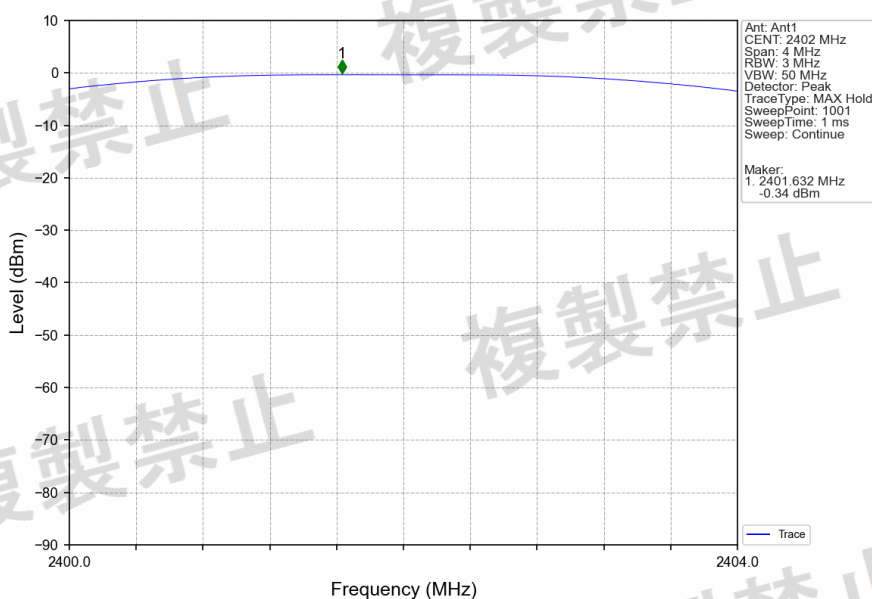


Burst No.	1	2	3	4	5
Length (ms)	0.397	0.395	0.397	0.395	0.395
Power(dBm)	-0.82	-0.80	-0.82	-0.80	-0.80
Power(mW)	0.828	0.832	0.828	0.832	0.833
Remark	/	/	/	/	Max

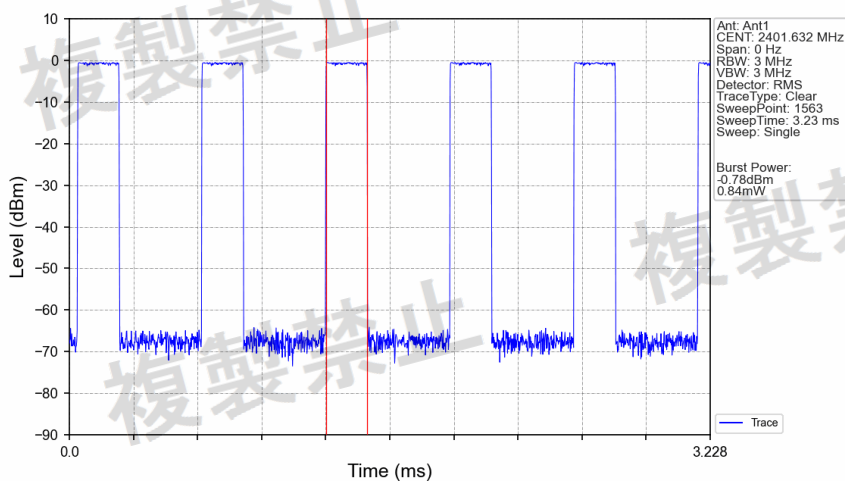
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2M_2402MHz_Ant1_NTLV



2M_2402MHz_Ant1_NTLV

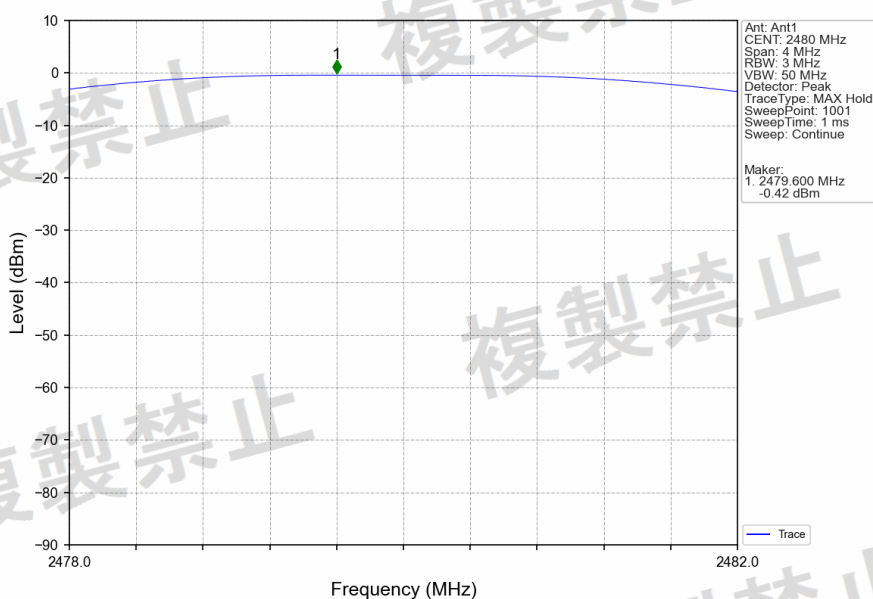


Burst No.	1	2	3	4	5
Length (ms)	0.211	0.209	0.209	0.209	0.209
Power(dBm)	-0.83	-0.78	-0.78	-0.78	-0.79
Power(mW)	0.826	0.836	0.836	0.835	0.834
Remark	/	/	Max	/	/

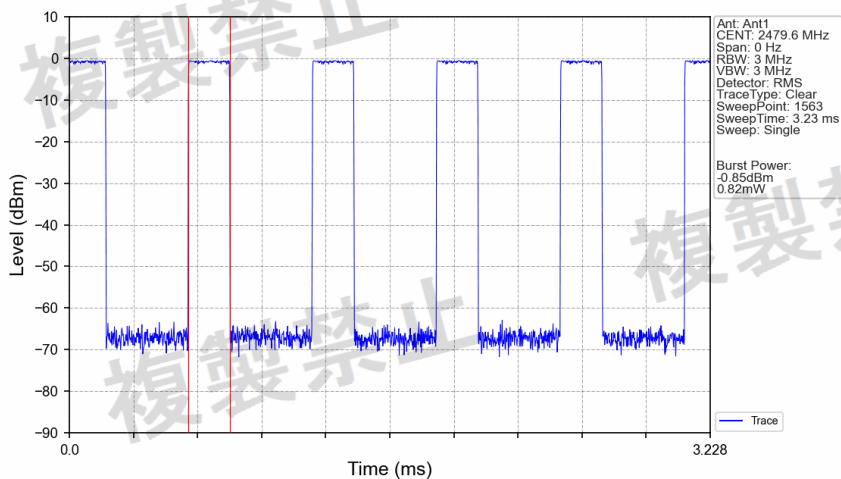
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2M_2480MHz_Ant1_NTLV



2M_2480MHz_Ant1_NTLV

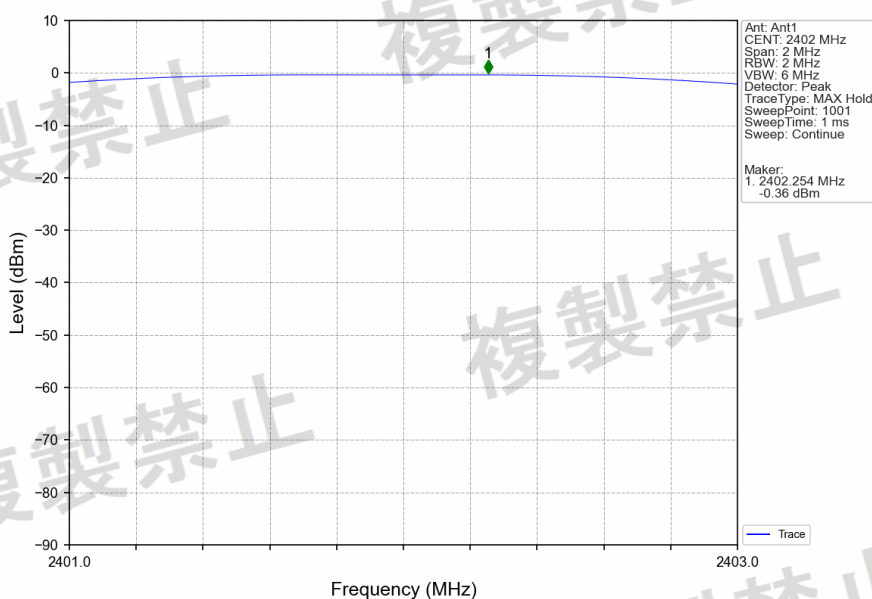


Burst No.	1	2	3	4
Length (ms)	0.209	0.211	0.209	0.211
Power(dBm)	-0.85	-0.90	-0.86	-0.91
Power(mW)	0.822	0.813	0.820	0.811
Remark	Max	/	/	/

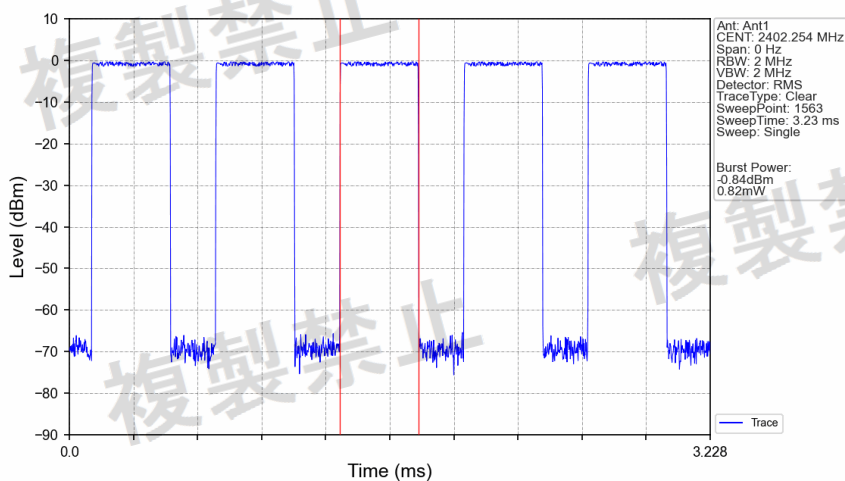
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1M_2402MHz_Ant1_NTHV



1M_2402MHz_Ant1_NTHV

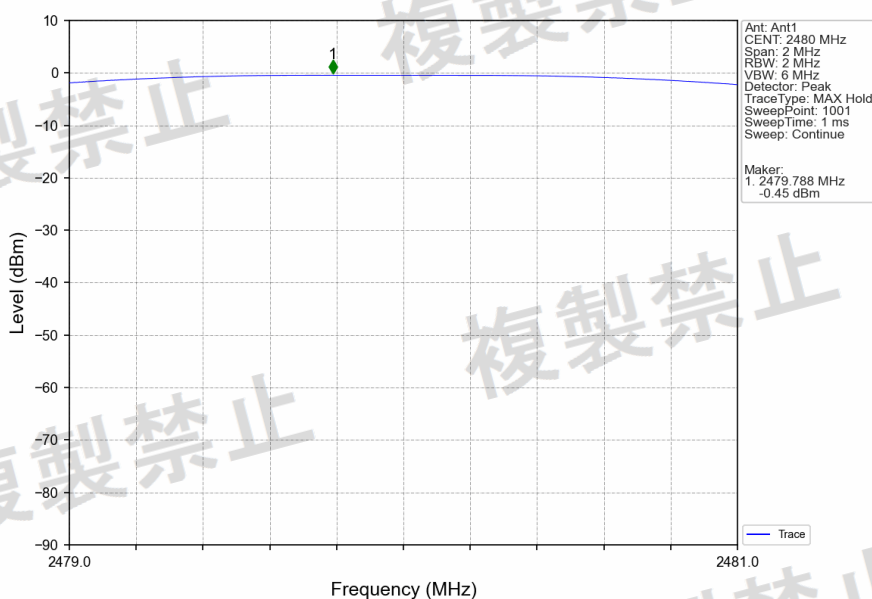


Burst No.	1	2	3	4	5
Length (ms)	0.395	0.397	0.395	0.395	0.395
Power(dBm)	-0.84	-0.87	-0.84	-0.84	-0.84
Power(mW)	0.824	0.819	0.824	0.824	0.824
Remark	/	/	Max	/	/

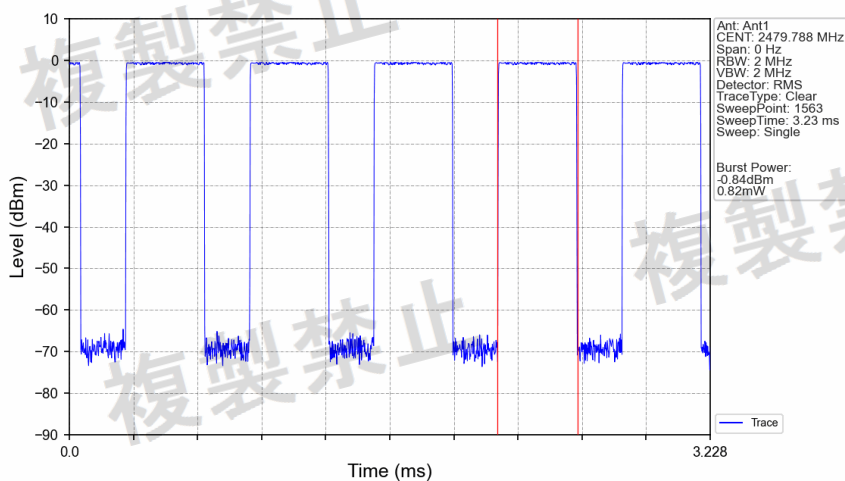
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1M_2480MHz_Ant1_NTHV



1M_2480MHz_Ant1_NTHV

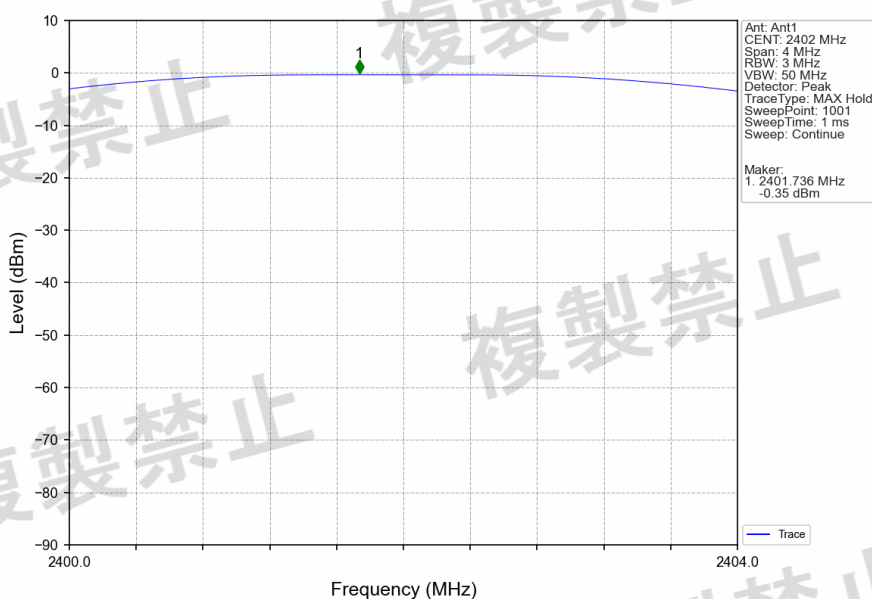


Burst No.	1	2	3	4	5
Length (ms)	0.405	0.405	0.405	0.405	0.405
Power(dBm)	-0.84	-0.84	-0.84	-0.84	-0.84
Power(mW)	0.824	0.824	0.824	0.825	0.824
Remark	/	/	/	Max	/

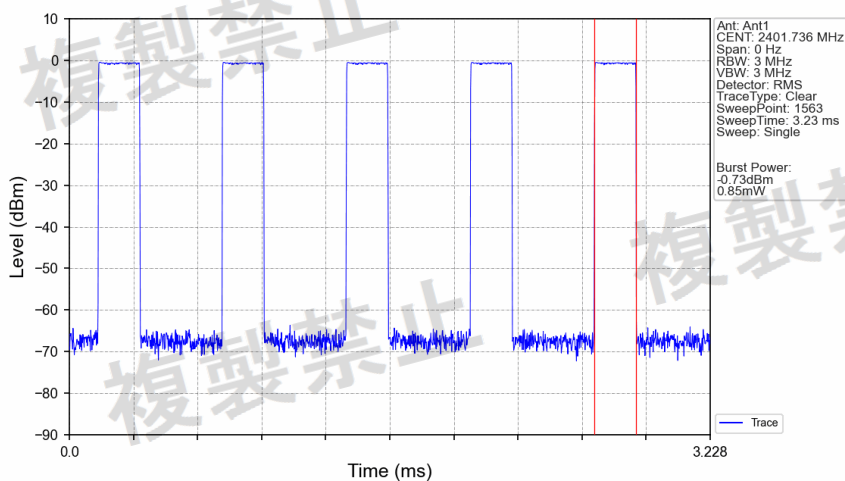
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2M_2402MHz_Ant1_NTHV



2M_2402MHz_Ant1_NTHV

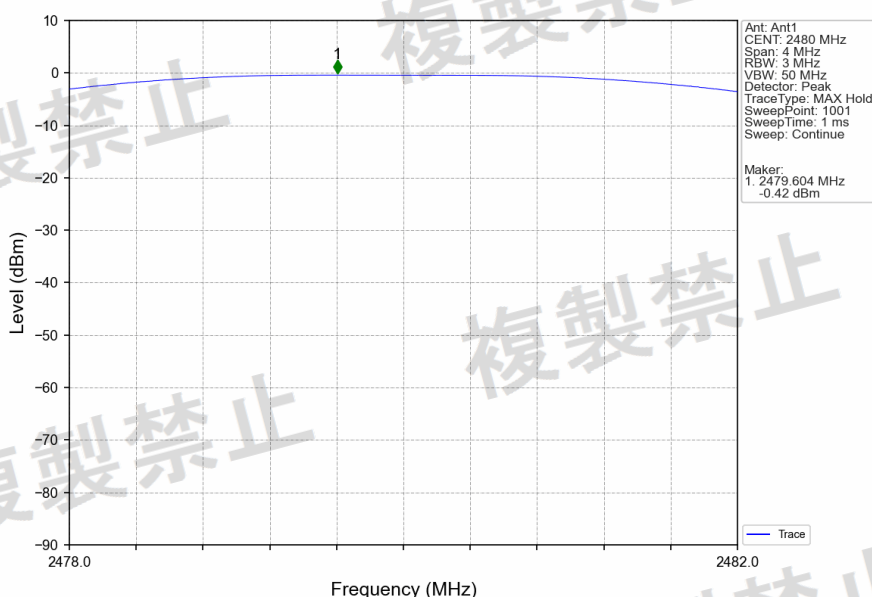


Burst No.	1	2	3	4	5
Length (ms)	0.209	0.209	0.211	0.209	0.209
Power(dBm)	-0.74	-0.74	-0.78	-0.74	-0.73
Power(mW)	0.844	0.844	0.836	0.844	0.845
Remark	/	/	/	/	Max

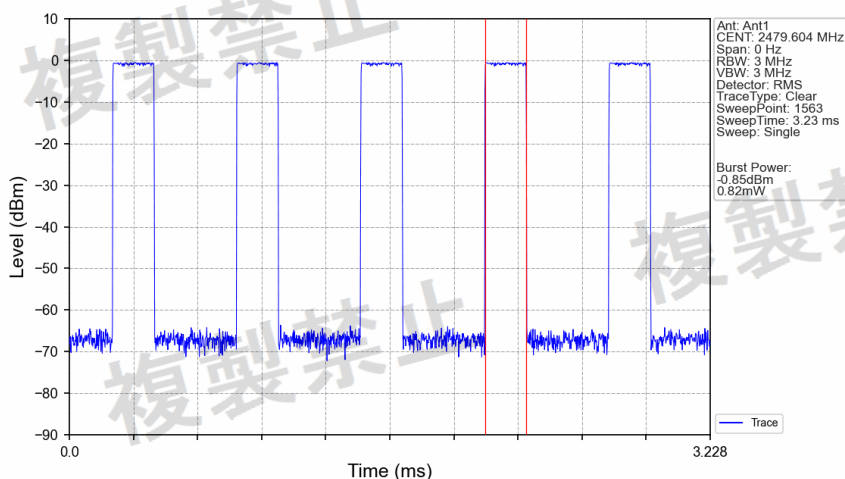
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2M_2480MHz_Ant1_NTHV



2M_2480MHz_Ant1_NTHV



Burst No.	1	2	3	4	5
Length (ms)	0.209	0.209	0.211	0.209	0.211
Power(dBm)	-0.86	-0.85	-0.89	-0.85	-0.90
Power(mW)	0.821	0.822	0.814	0.822	0.813
Remark	/	/	/	Max	/

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4. Spurious Emission Intensity

4.1 Test Result

4.1.1 TxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
1M	SISO	2402	1	30	2387	2338	-43.14	0.049	/	/	2.5	Pass
				2387	2400	2399.987	-35.14	0.306	/	/	25	Pass
				2483.5	2496.5	2490.312	-56.22	0.002	/	/	25	Pass
				2496.5	12500	7207	-43.52	0.044	/	/	2.5	Pass
		2480	1	30	2387	2352.5	-50.96	0.008	/	/	2.5	Pass
				2387	2400	2399.506	-53.78	0.004	/	/	25	Pass
				2483.5	2496.5	2487.738	-48.84	0.013	/	/	25	Pass
				2496.5	12500	7439.5	-44.15	0.038	/	/	2.5	Pass
2M	SISO	2402	1	30	2387	2338.5	-43.68	0.043	/	/	2.5	Pass
				2387	2400	2399.987	-21.50	7.079	/	/	25	Pass
				2483.5	2496.5	2489.974	-56.69	0.002	/	/	25	Pass
				2496.5	12500	7207.5	-44.29	0.037	/	/	2.5	Pass
		2480	1	30	2387	2352.5	-51.30	0.007	/	/	2.5	Pass
				2387	2400	2399.974	-53.80	0.004	/	/	25	Pass
				2483.5	2496.5	2483.539	-41.42	0.072	/	/	25	Pass
				2496.5	12500	7440	-44.18	0.038	/	/	2.5	Pass

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4.1.2 TxSe_NTLV

NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
1M	SISO	2402	1	30	2387	2338.5	-43.12	0.049	/	/	2.5	Pass
				2387	2400	2399.987	-35.28	0.296	/	/	25	Pass
				2483.5	2496.5	2490.533	-56.05	0.002	/	/	25	Pass
				2496.5	12500	7205.5	-43.42	0.045	/	/	2.5	Pass
		2480	1	30	2387	2352.5	-51.44	0.007	/	/	2.5	Pass
				2387	2400	2399.974	-53.93	0.004	/	/	25	Pass
				2483.5	2496.5	2488.154	-48.99	0.013	/	/	25	Pass
				2496.5	12500	7441	-43.80	0.042	/	/	2.5	Pass
2M	SISO	2402	1	30	2387	2338	-42.43	0.057	/	/	2.5	Pass
				2387	2400	2399.987	-21.55	6.998	/	/	25	Pass
				2483.5	2496.5	2489.792	-56.09	0.002	/	/	25	Pass
				2496.5	12500	7204.5	-43.46	0.045	/	/	2.5	Pass
		2480	1	30	2387	2352	-50.69	0.009	/	/	2.5	Pass
				2387	2400	2399.636	-54.67	0.003	/	/	25	Pass
				2483.5	2496.5	2483.539	-41.12	0.077	/	/	25	Pass
				2496.5	12500	7441.5	-44.49	0.036	/	/	2.5	Pass

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4.1.3 TxSe_NTHV

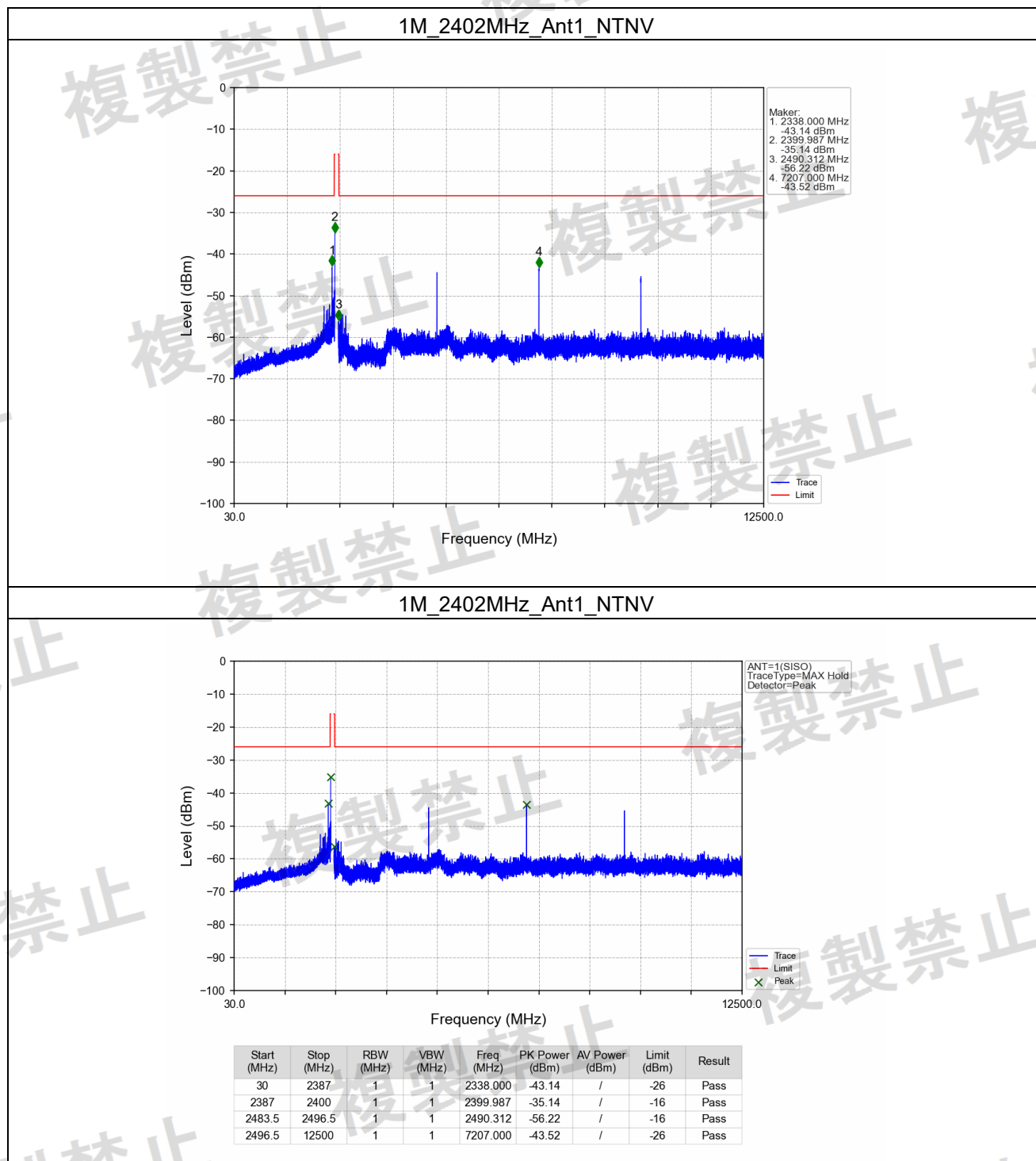
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
1M	SISO	2402	1	30	2387	2338	-43.12	0.049	/	/	2.5	Pass
				2387	2400	2399.987	-35.04	0.313	/	/	25	Pass
				2483.5	2496.5	2490.065	-54.69	0.003	/	/	25	Pass
				2496.5	12500	7207	-43.16	0.048	/	/	2.5	Pass
		2480	1	30	2387	2352.5	-50.79	0.008	/	/	2.5	Pass
				2387	2400	2399.402	-53.75	0.004	/	/	25	Pass
				2483.5	2496.5	2488.141	-49.25	0.012	/	/	25	Pass
				2496.5	12500	7439.5	-44.15	0.038	/	/	2.5	Pass
2M	SISO	2402	1	30	2387	2338.5	-43.66	0.043	/	/	2.5	Pass
				2387	2400	2399.987	-21.35	7.328	/	/	25	Pass
				2483.5	2496.5	2490.455	-56.30	0.002	/	/	25	Pass
				2496.5	12500	7204.5	-43.62	0.043	/	/	2.5	Pass
		2480	1	30	2387	2352	-50.98	0.008	/	/	2.5	Pass
				2387	2400	2399.818	-54.22	0.004	/	/	25	Pass
				2483.5	2496.5	2483.539	-41.03	0.079	/	/	25	Pass
				2496.5	12500	7438.5	-44.39	0.036	/	/	2.5	Pass

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4.2 Test Graph

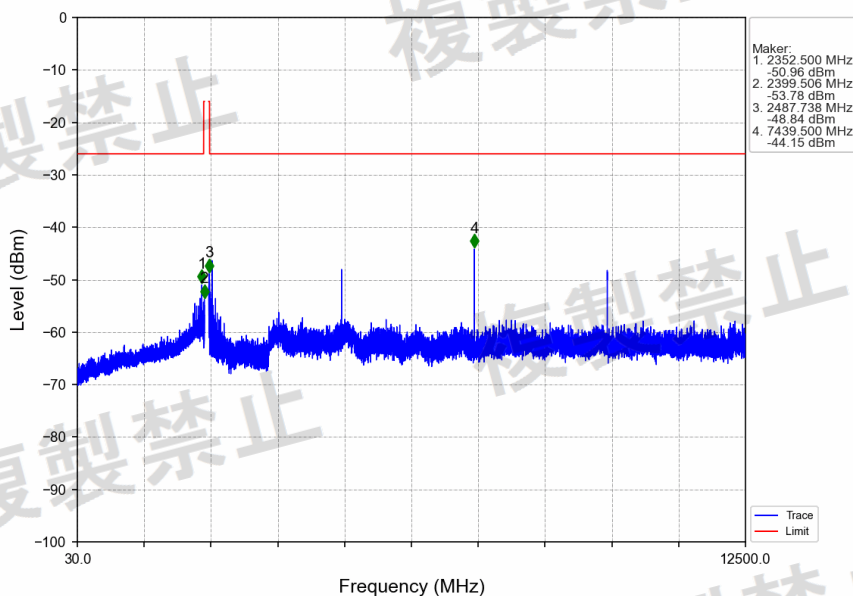
4.2.1 TxSe_NTNV



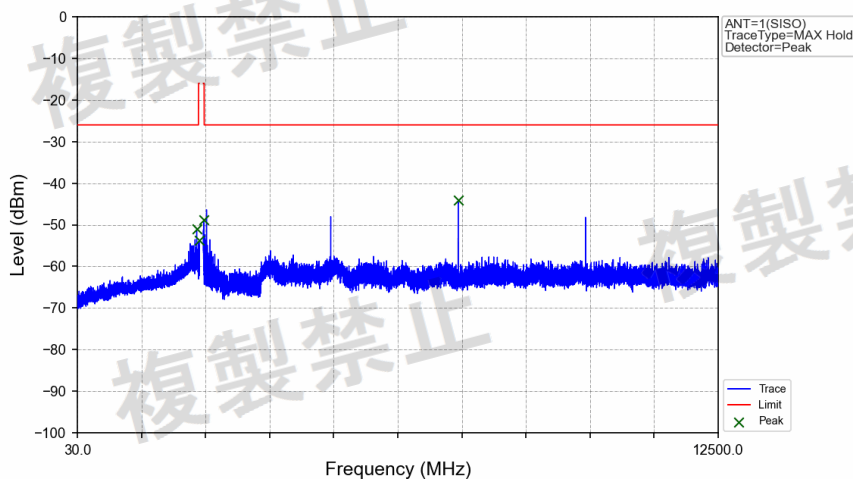
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1M_2480MHz_Ant1_NTNV



1M_2480MHz_Ant1_NTNV

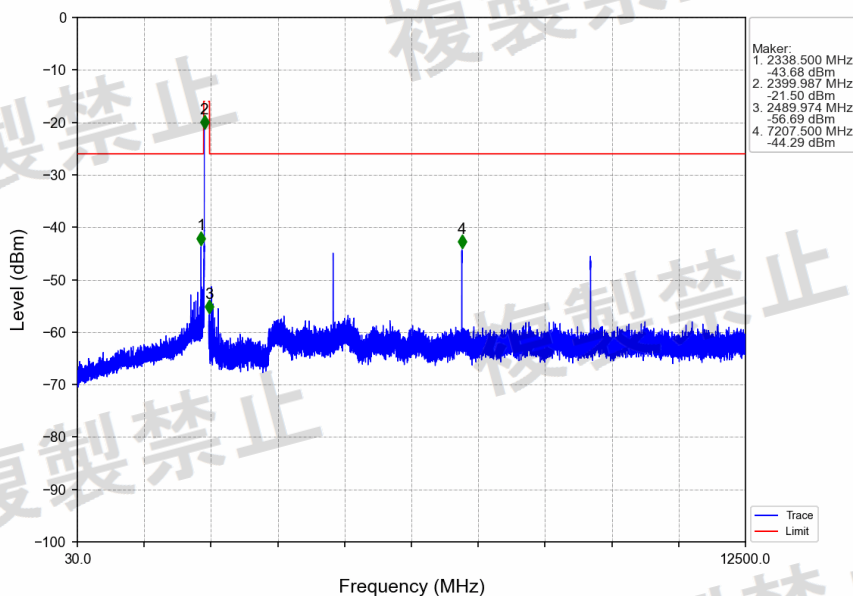


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2352.500	-50.96	/	-26	Pass
2387	2400	1	1	2399.506	-53.78	/	-16	Pass
2483.5	2496.5	1	1	2487.738	-48.84	/	-16	Pass
2496.5	12500	1	1	7439.500	-44.15	/	-26	Pass

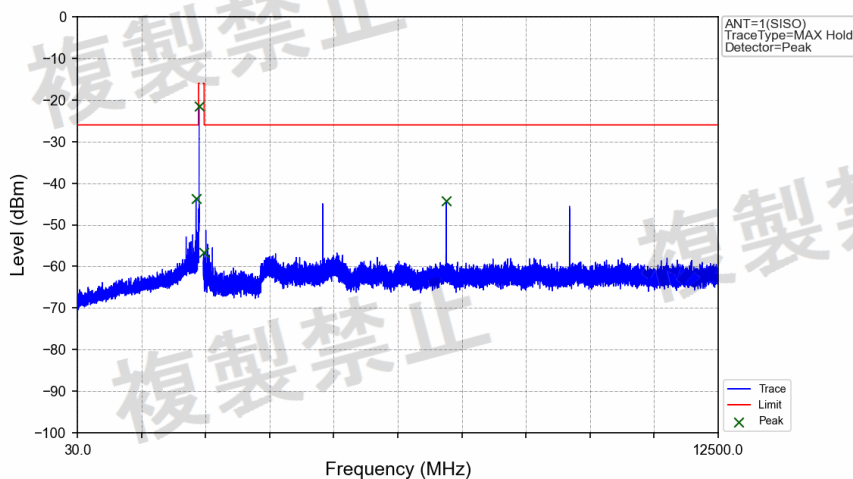
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2M_2402MHz_Ant1_NTNV



2M_2402MHz_Ant1_NTNV

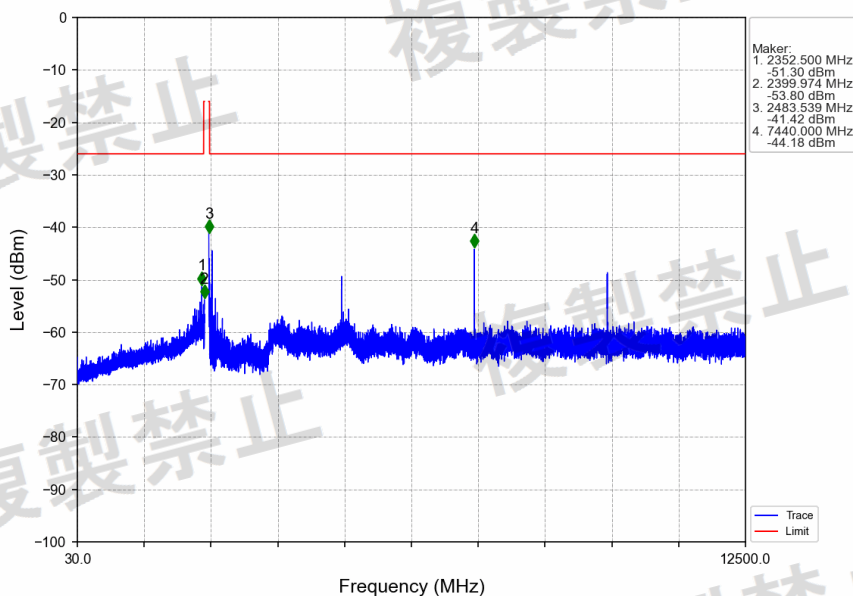


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2338.500	-43.68	/	-26	Pass
2387	2400	1	1	2399.987	-21.50	/	-16	Pass
2483.5	2496.5	1	1	2489.974	-56.69	/	-16	Pass
2496.5	12500	1	1	7207.500	-44.29	/	-26	Pass

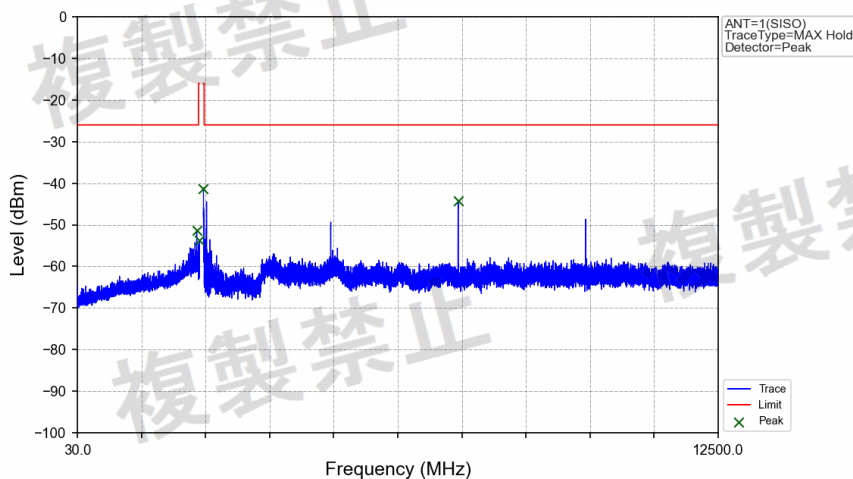
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2M_2480MHz_Ant1_NTNV



2M_2480MHz_Ant1_NTNV

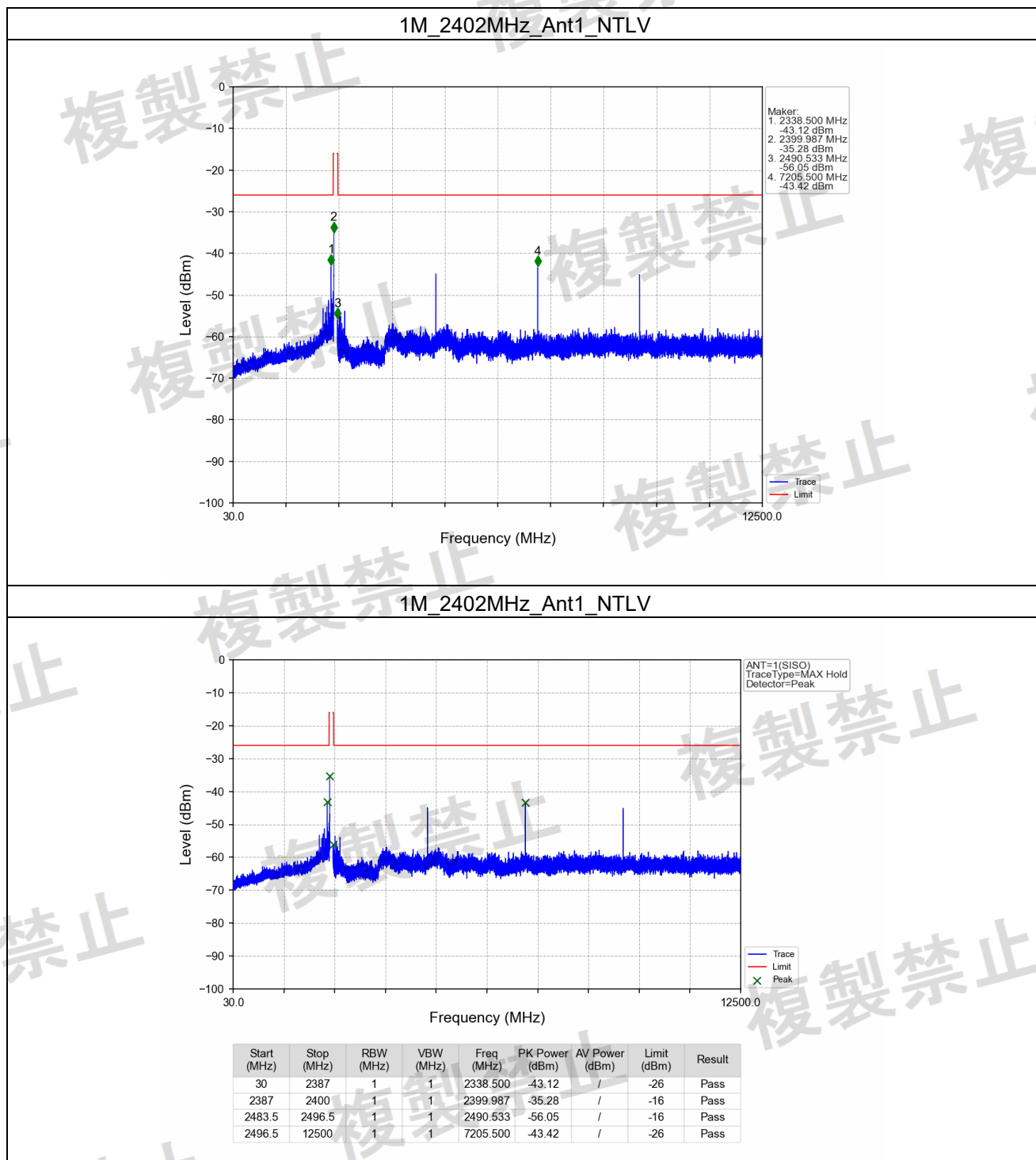


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2352.500	-51.30	/	-26	Pass
2387	2400	1	1	2399.974	-53.80	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-41.42	/	-16	Pass
2496.5	12500	1	1	7440.000	-44.18	/	-26	Pass

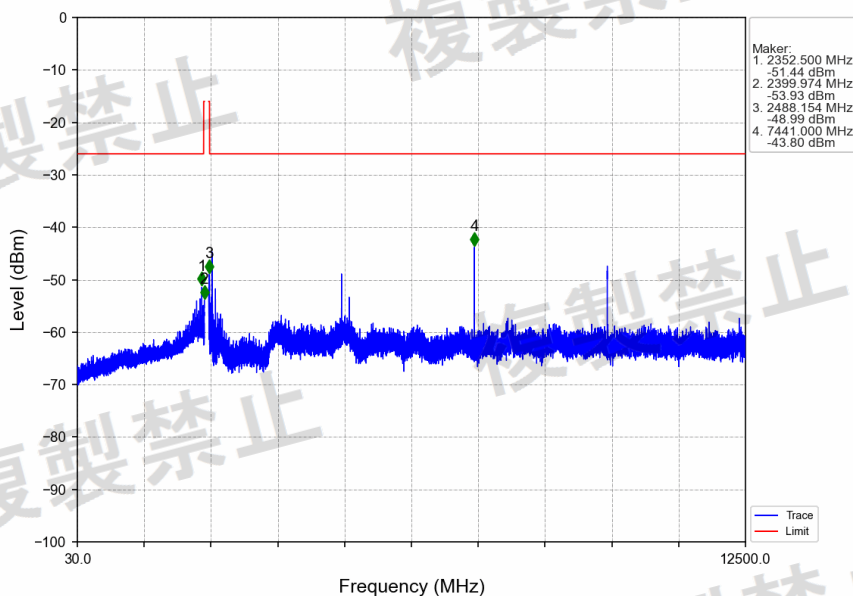
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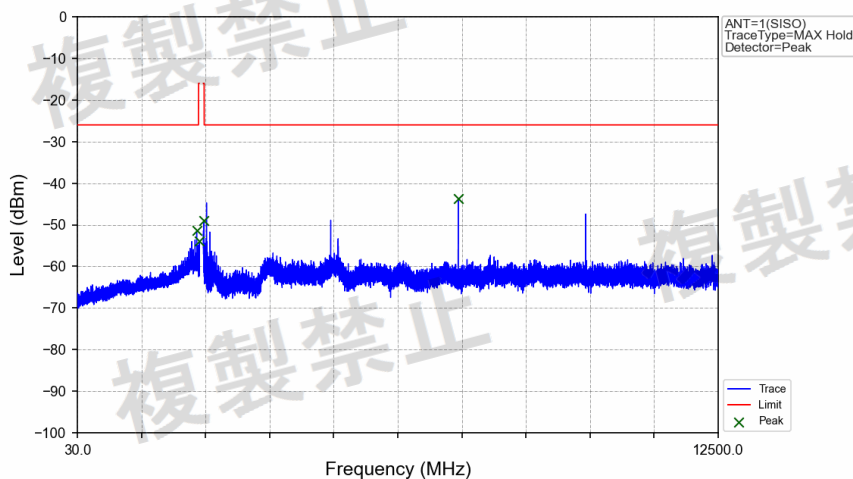
4.2.2 TxSe_NTLV



1M_2480MHz_Ant1_NTLV



1M_2480MHz_Ant1_NTLV

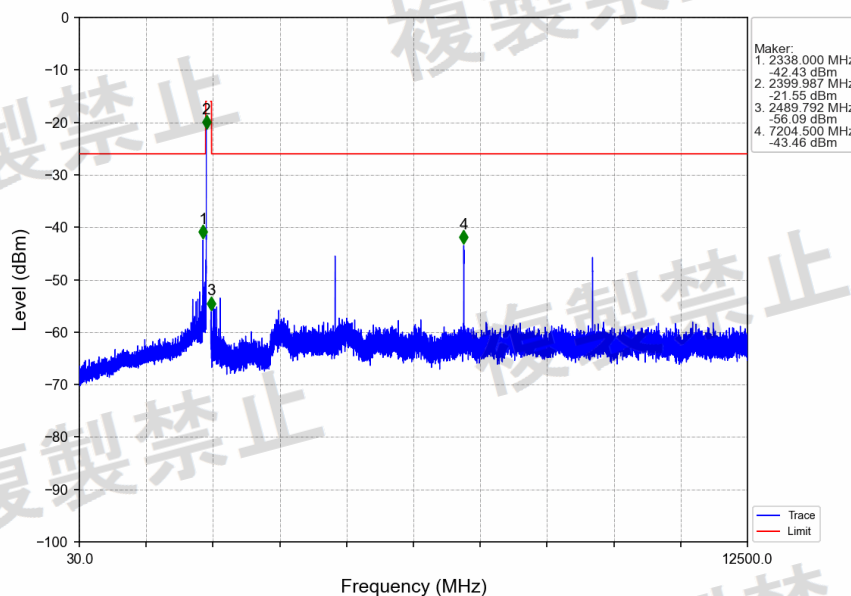


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2352.500	-51.44	/	-26	Pass
2387	2400	1	1	2399.974	-53.93	/	-16	Pass
2483.5	2496.5	1	1	2488.154	-48.99	/	-16	Pass
2496.5	12500	1	1	7441.000	-43.80	/	-26	Pass

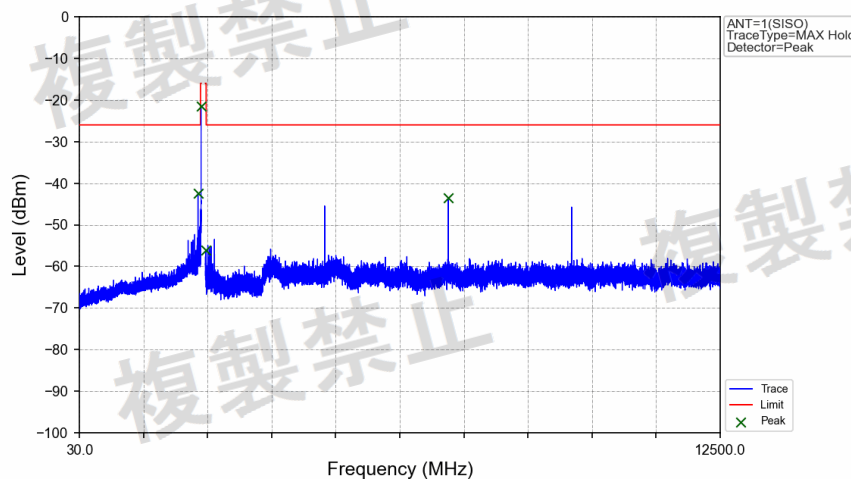
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2M_2402MHz_Ant1_NTLV



2M_2402MHz_Ant1_NTLV

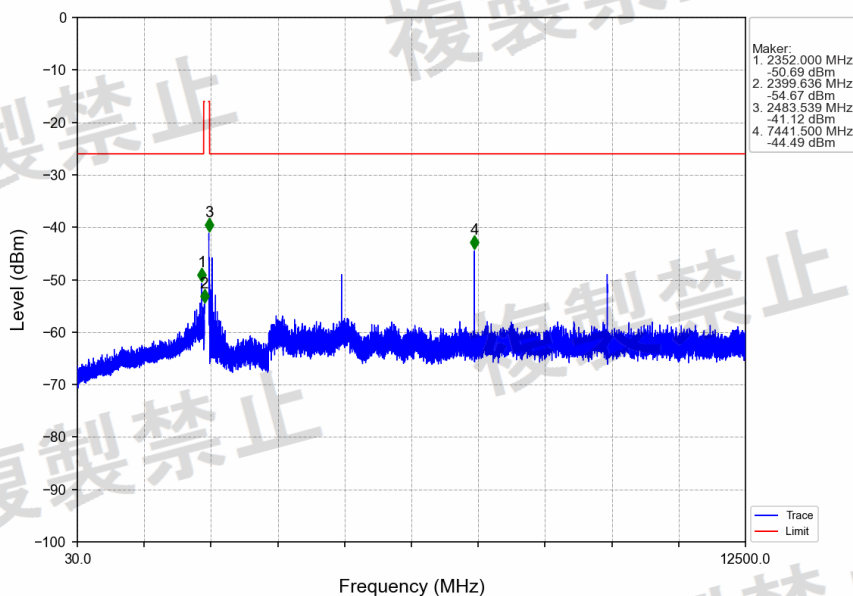


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2338.000	-42.43	/	-26	Pass
2387	2400	1	1	2399.987	-21.55	/	-16	Pass
2483.5	2496.5	1	1	2489.792	-56.09	/	-16	Pass
2496.5	12500	1	1	7204.500	-43.46	/	-26	Pass

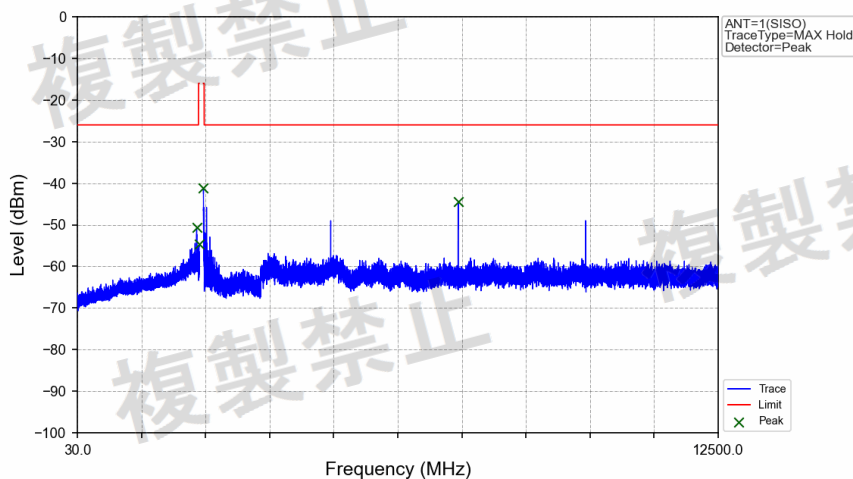
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2M_2480MHz_Ant1_NTLV



2M_2480MHz_Ant1_NTLV

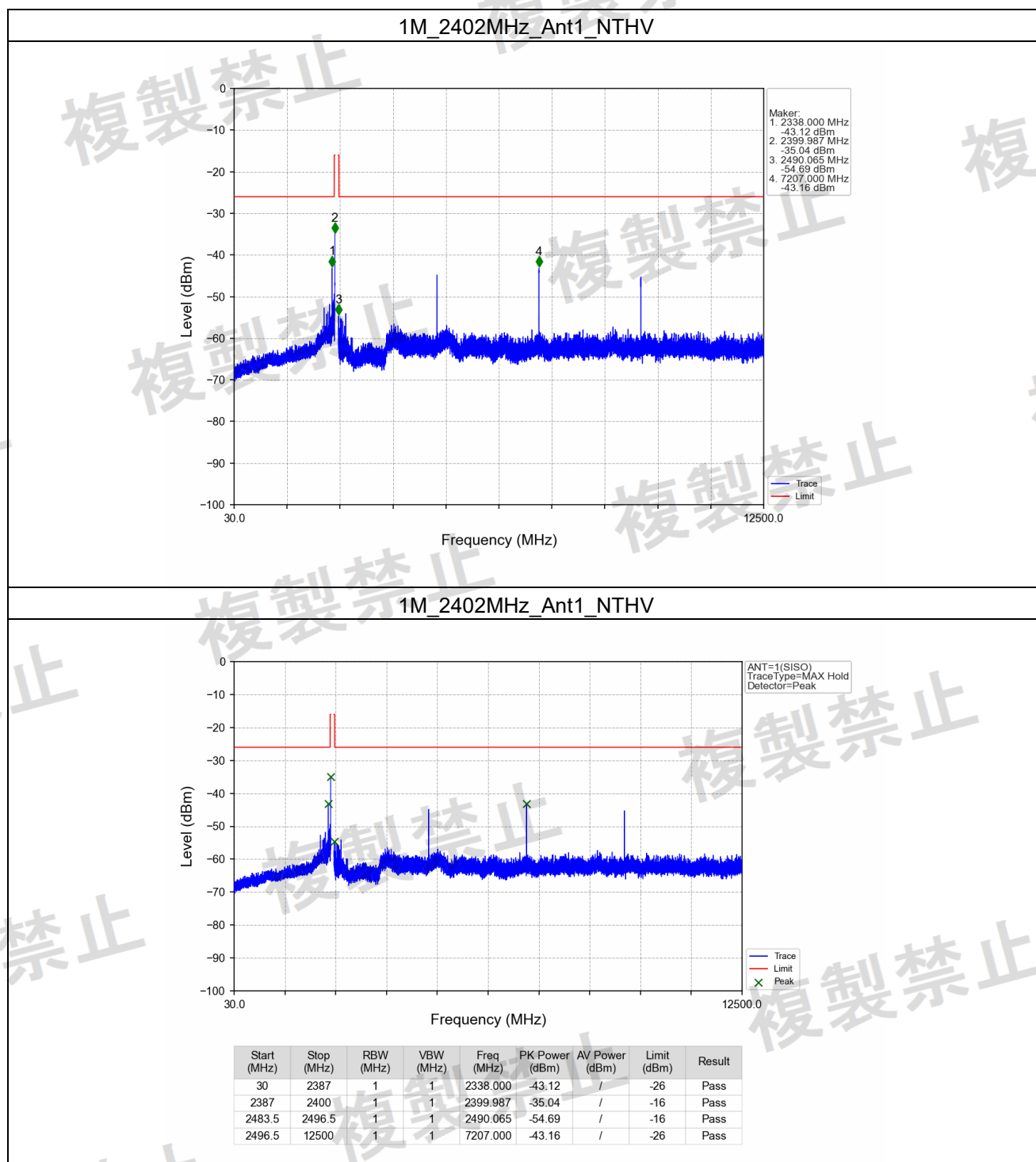


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2352.000	-50.69	/	-26	Pass
2387	2400	1	1	2399.636	-54.67	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-41.12	/	-16	Pass
2496.5	12500	1	1	7441.500	-44.49	/	-26	Pass

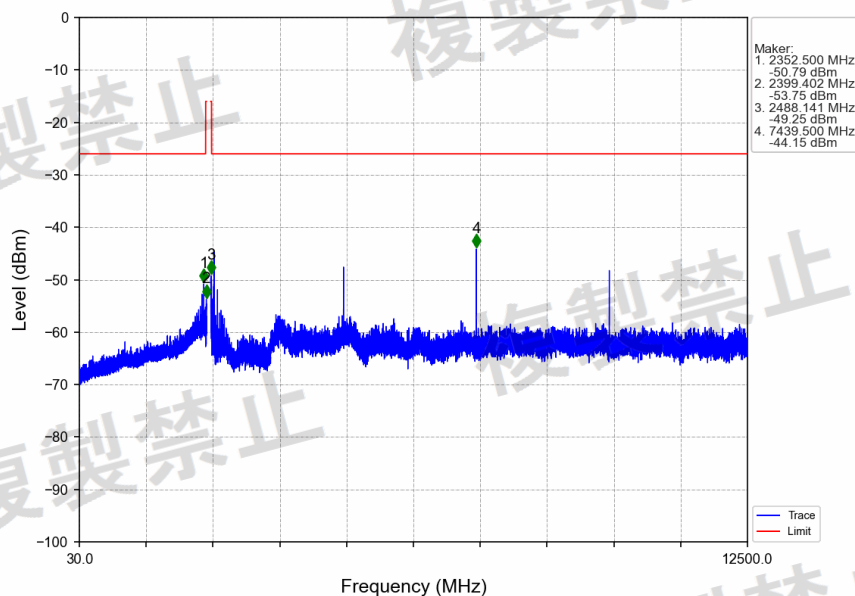
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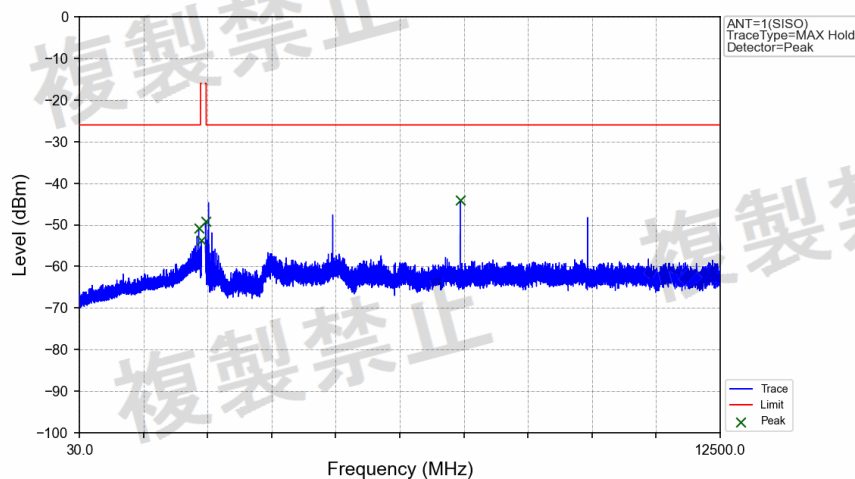
4.2.3 TxSe_NTHV



1M_2480MHz_Ant1_NTHV



1M_2480MHz_Ant1_NTHV

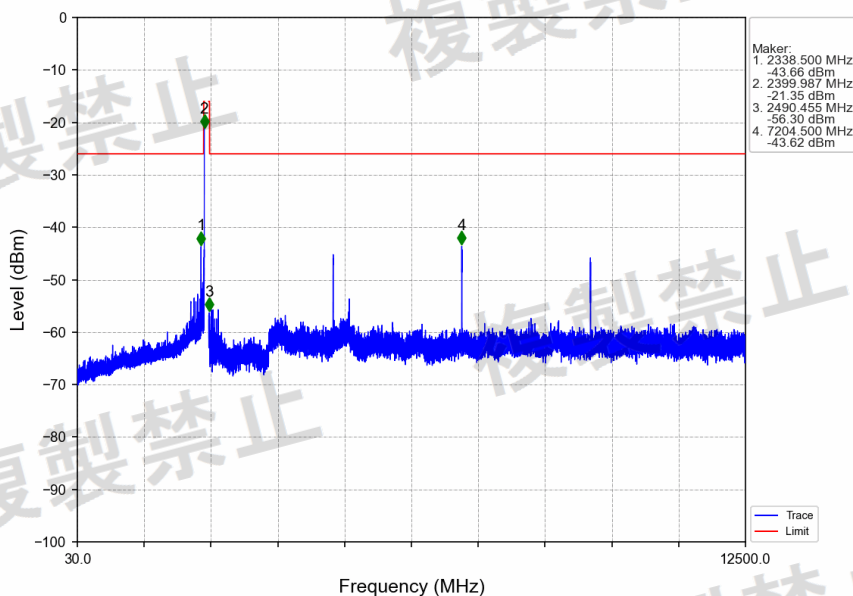


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2352.500	-50.79	/	-26	Pass
2387	2400	1	1	2399.402	-53.75	/	-16	Pass
2483.5	2496.5	1	1	2488.141	-49.25	/	-16	Pass
2496.5	12500	1	1	7439.500	-44.15	/	-26	Pass

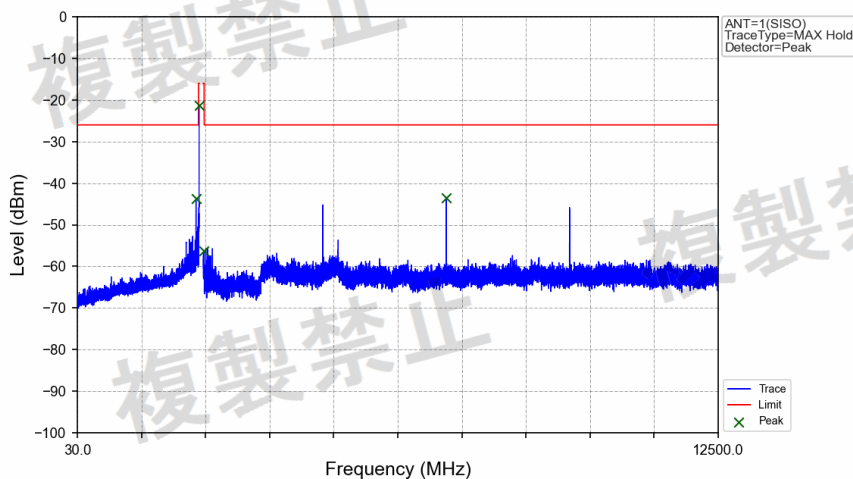
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2M_2402MHz_Ant1_NTHV



2M_2402MHz_Ant1_NTHV

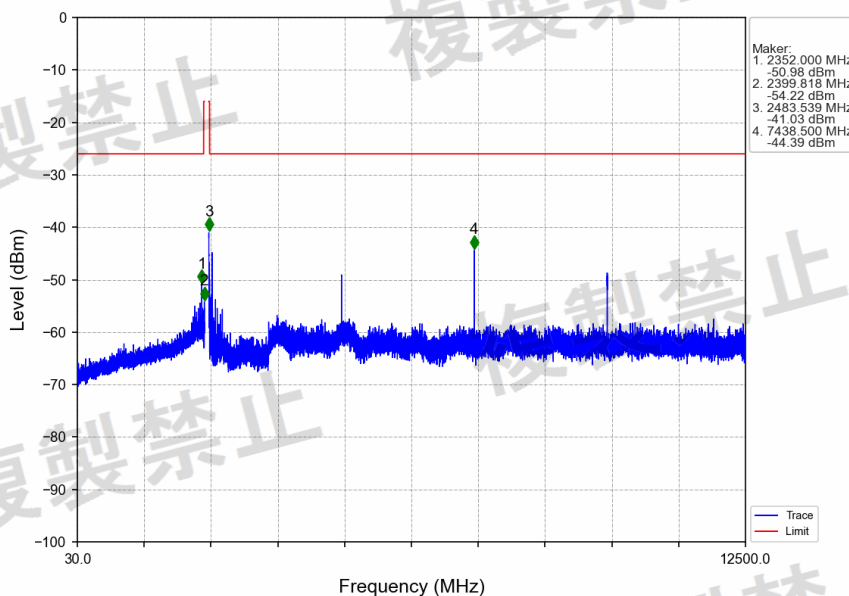


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2338.500	-43.66	/	-26	Pass
2387	2400	1	1	2399.987	-21.35	/	-16	Pass
2483.5	2496.5	1	1	2490.455	-56.30	/	-16	Pass
2496.5	12500	1	1	7204.500	-43.62	/	-26	Pass

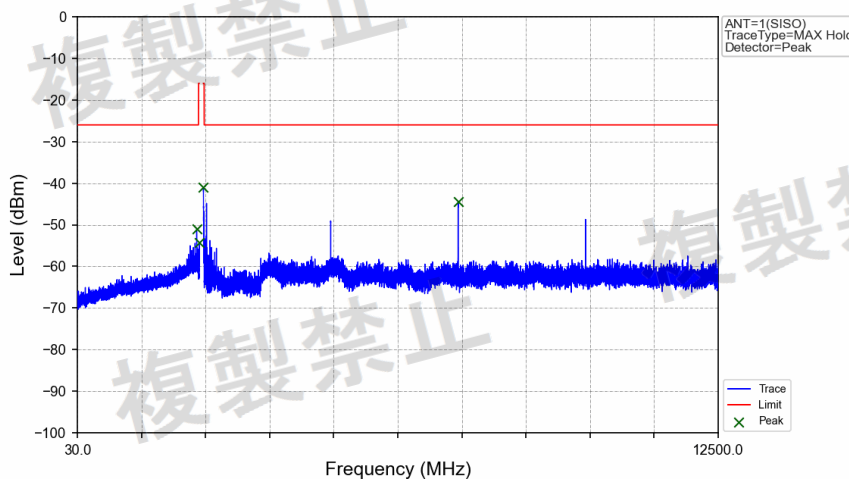
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2M_2480MHz_Ant1_NTHV



2M_2480MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2352.000	-50.98	/	-26	Pass
2387	2400	1	1	2399.818	-54.22	/	-16	Pass
2483.5	2496.5	1	1	2483.539	-41.03	/	-16	Pass
2496.5	12500	1	1	7438.500	-44.39	/	-26	Pass

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5. Secondary Radiated Emission

5.1 Test Result

5.1.1 RxSe_NTNV

NTNV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
1M	SISO	2402	1	30	1000	825.05	-78.37	0.015	/	/	4	Pass
				1000	12500	2458	-51.63	6.871	-80.14	0.010	20	Pass
						2461	-55.77	2.649	-80.11	0.010	20	Pass
		2480	1	30	1000	882.7	-78.13	0.015	/	/	4	Pass
						2455.5	-55.79	2.636	-80.18	0.010	20	Pass
				1000	12500	2458.5	-52.56	5.546	-80.13	0.010	20	Pass
2M	SISO	2402	1			2461.5	-56.13	2.438	-80.12	0.010	20	Pass
				30	1000	874.4	-78.26	0.015	/	/	4	Pass
				1000	12500	3772	-62.33	0.585	/	/	20	Pass
		2480	1	30	1000	936.15	-78.84	0.013	/	/	4	Pass
				1000	12500	2459	-55.03	3.141	-80.15	0.010	20	Pass

5.1.2 RxSe_NTLV

NTLV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
1M	SISO	2402	1	30	1000	858.35	-77.80	0.017	/	/	4	Pass
				1000	12500	3862	-62.09	0.618	/	/	20	Pass
		2480	1	30	1000	867.15	-77.81	0.017	/	/	4	Pass
				1000	12500	5744	-59.07	1.239	/	/	20	Pass
2M	SISO	2402	1	30	1000	871.5	-77.53	0.018	/	/	4	Pass
				1000	12500	5020	-62.25	0.596	/	/	20	Pass
		2480	1	30	1000	883.15	-77.83	0.016	/	/	4	Pass
				1000	12500	2458	-57.86	1.637	/	/	20	Pass

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5.1.3 RxSe_NTHV

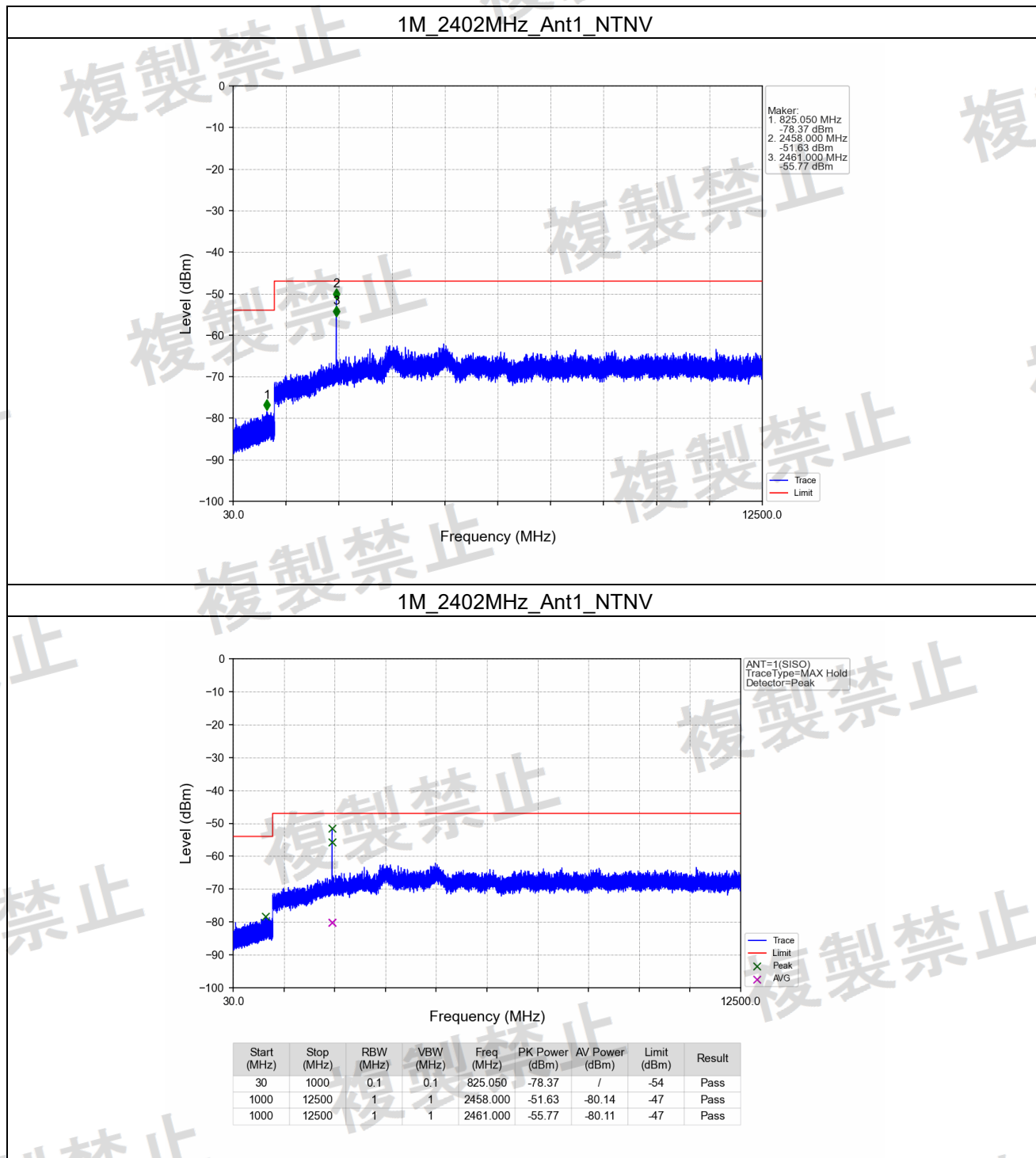
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
1M	SISO	2402	1	30	1000	808.35	-78.27	0.015	/	/	4	Pass
				1000	12500	5218.5	-62.04	0.625	/	/	20	Pass
		2480	1	30	1000	921.35	-78.30	0.015	/	/	4	Pass
				1000	12500	2402.5	-60.52	0.887	/	/	20	Pass
2M	SISO	2402	1	30	1000	991.4	-78.26	0.015	/	/	4	Pass
				1000	12500	5138.5	-61.66	0.682	/	/	20	Pass
		2480	1	30	1000	747.65	-78.46	0.014	/	/	4	Pass
				1000	12500	3701	-61.39	0.726	/	/	20	Pass

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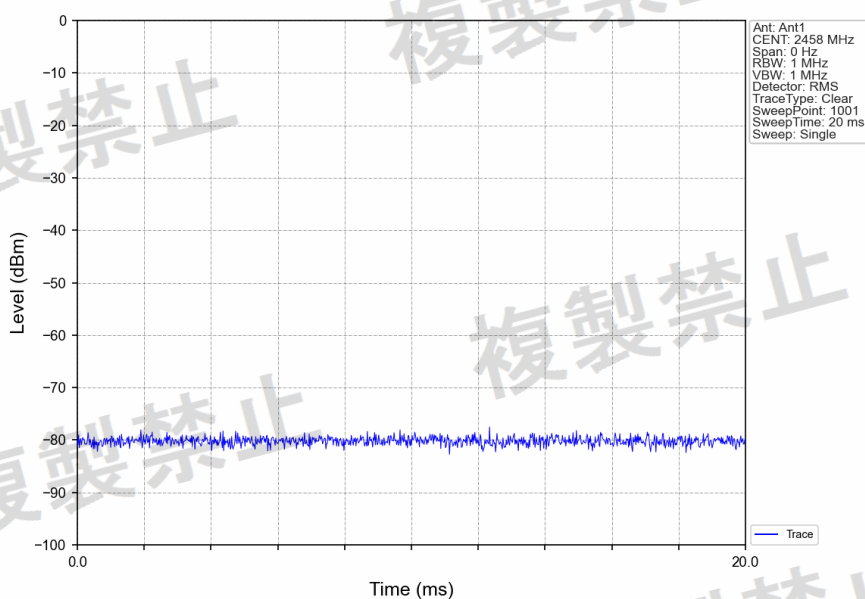
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5.2 Test Graph

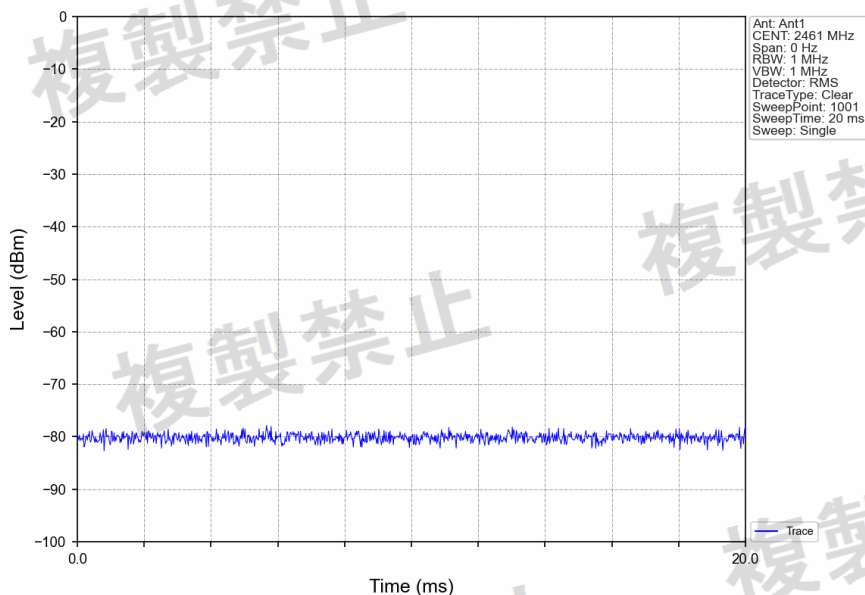
5.2.1 RxSe_NTNV



1M_2402MHz_Ant1_NTNV



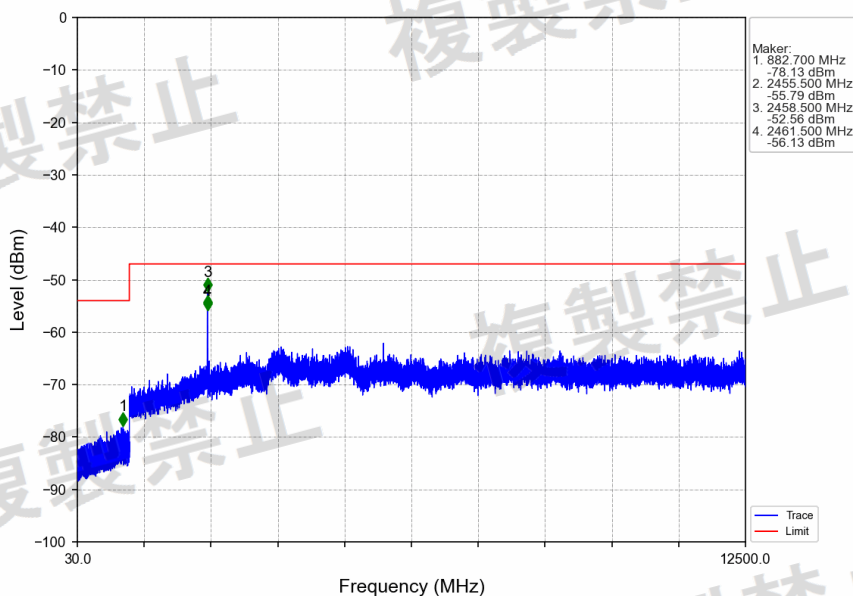
1M_2402MHz_Ant1_NTNV



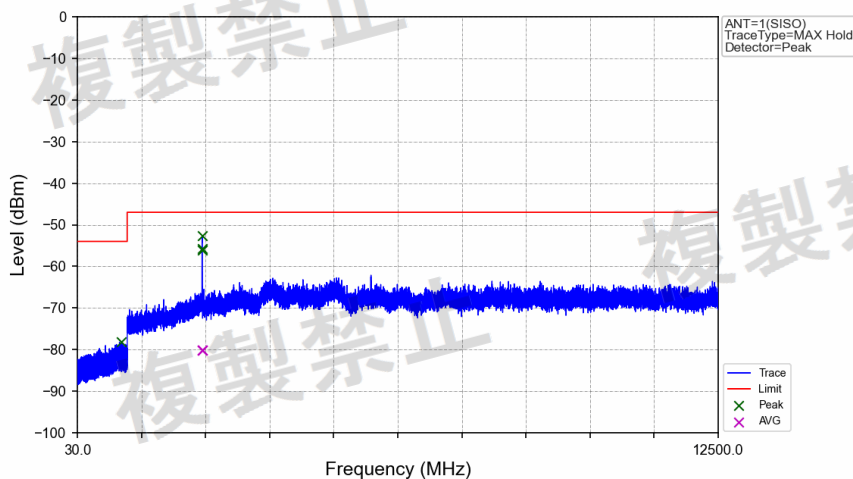
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1M_2480MHz_Ant1_NTNV



1M_2480MHz_Ant1_NTNV

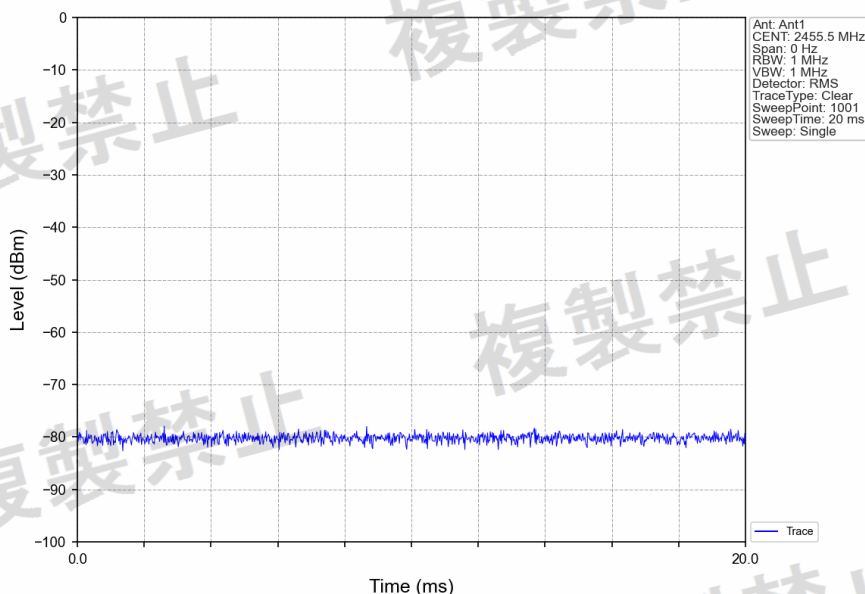


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	882.700	-78.13	/	-54	Pass
1000	12500	1	1	2455.500	-55.79	-80.18	-47	Pass
1000	12500	1	1	2458.500	-52.56	-80.13	-47	Pass
1000	12500	1	1	2461.500	-56.13	-80.12	-47	Pass

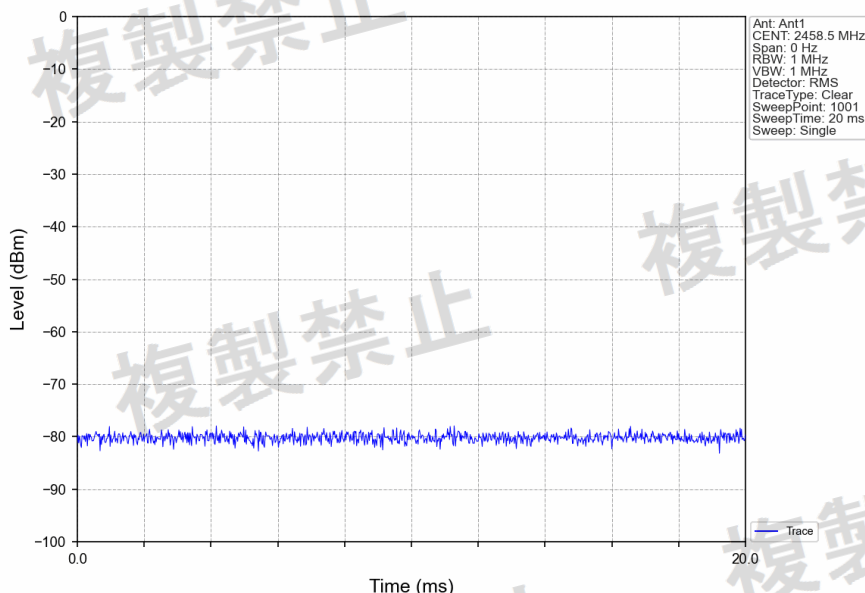
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1M_2480MHz_Ant1_NTNV



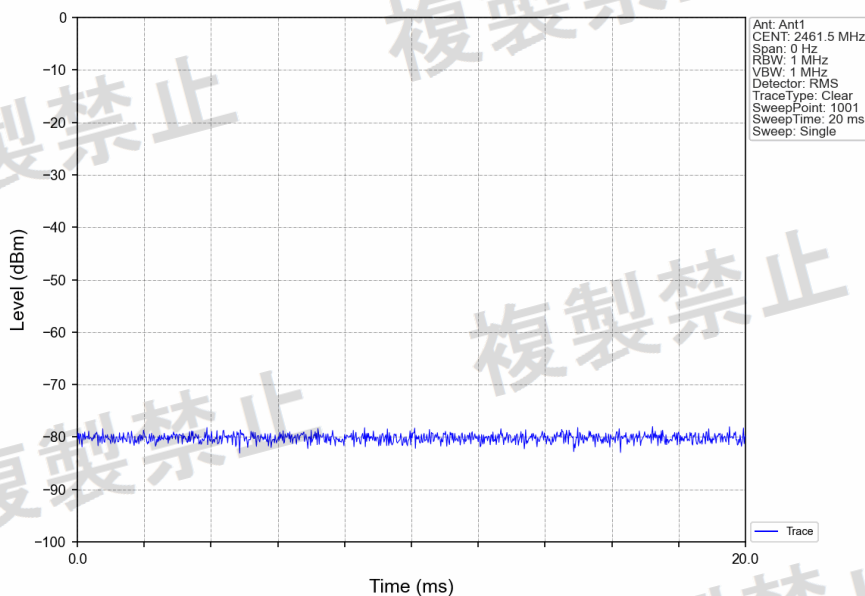
1M_2480MHz_Ant1_NTNV



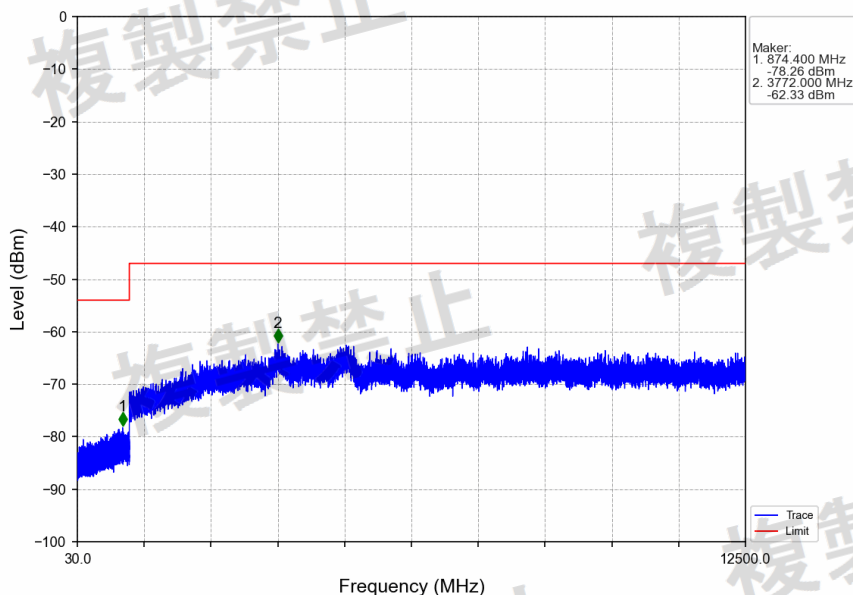
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1M_2480MHz_Ant1_NTNV



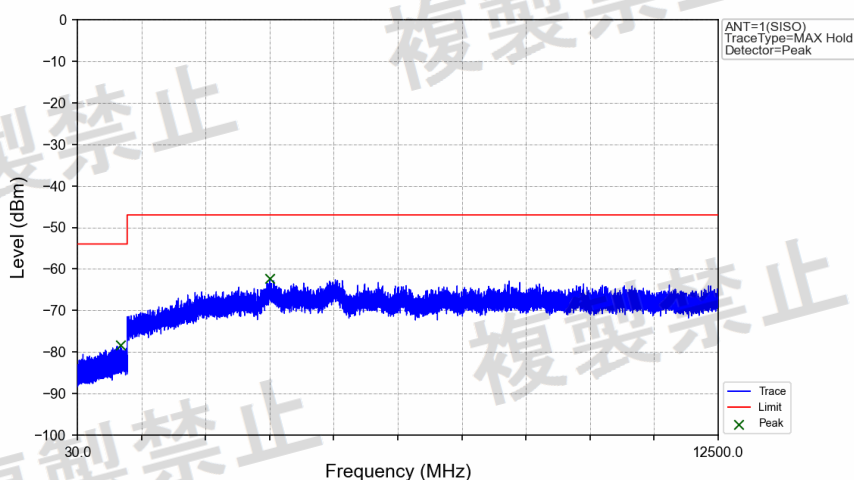
2M_2402MHz_Ant1_NTNV



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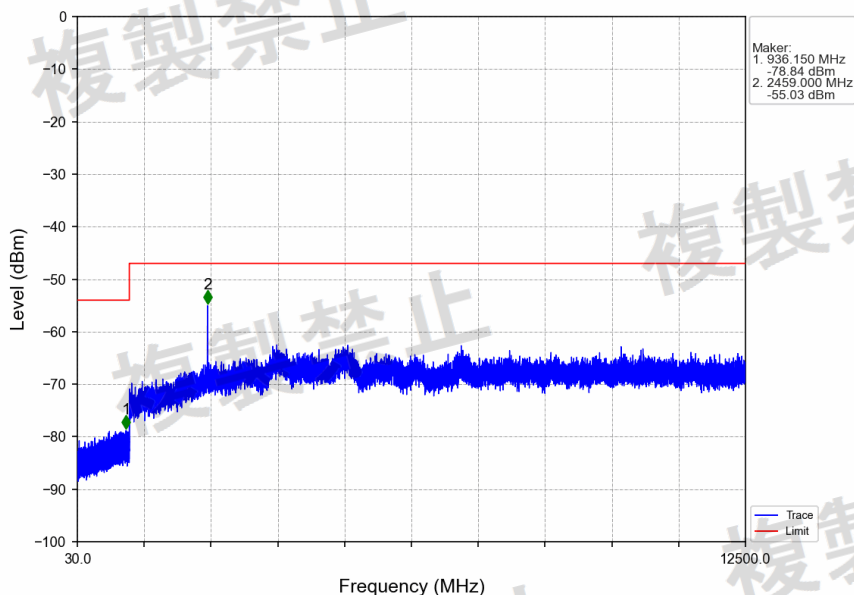
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2M_2402MHz_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	874.400	-78.26	/	-54	Pass
1000	12500	1	1	3772.000	-62.33	/	-47	Pass

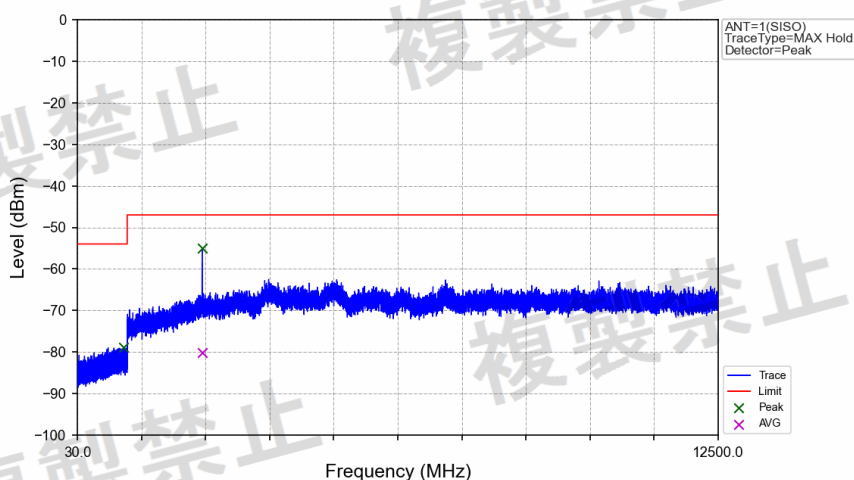
2M_2480MHz_Ant1_NTNV



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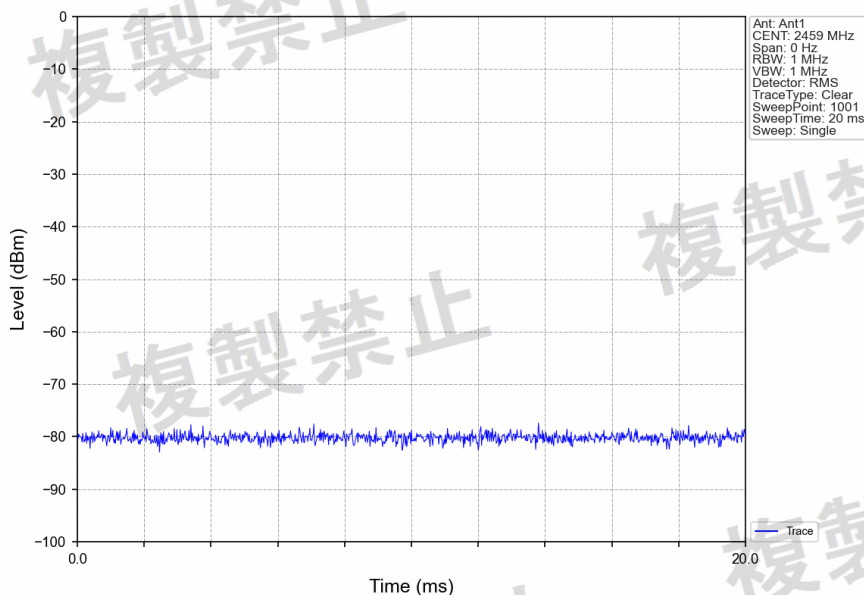
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2M_2480MHz_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	936.150	-78.84	/	-54	Pass
1000	12500	1	1	2459.000	-55.03	-80.15	-47	Pass

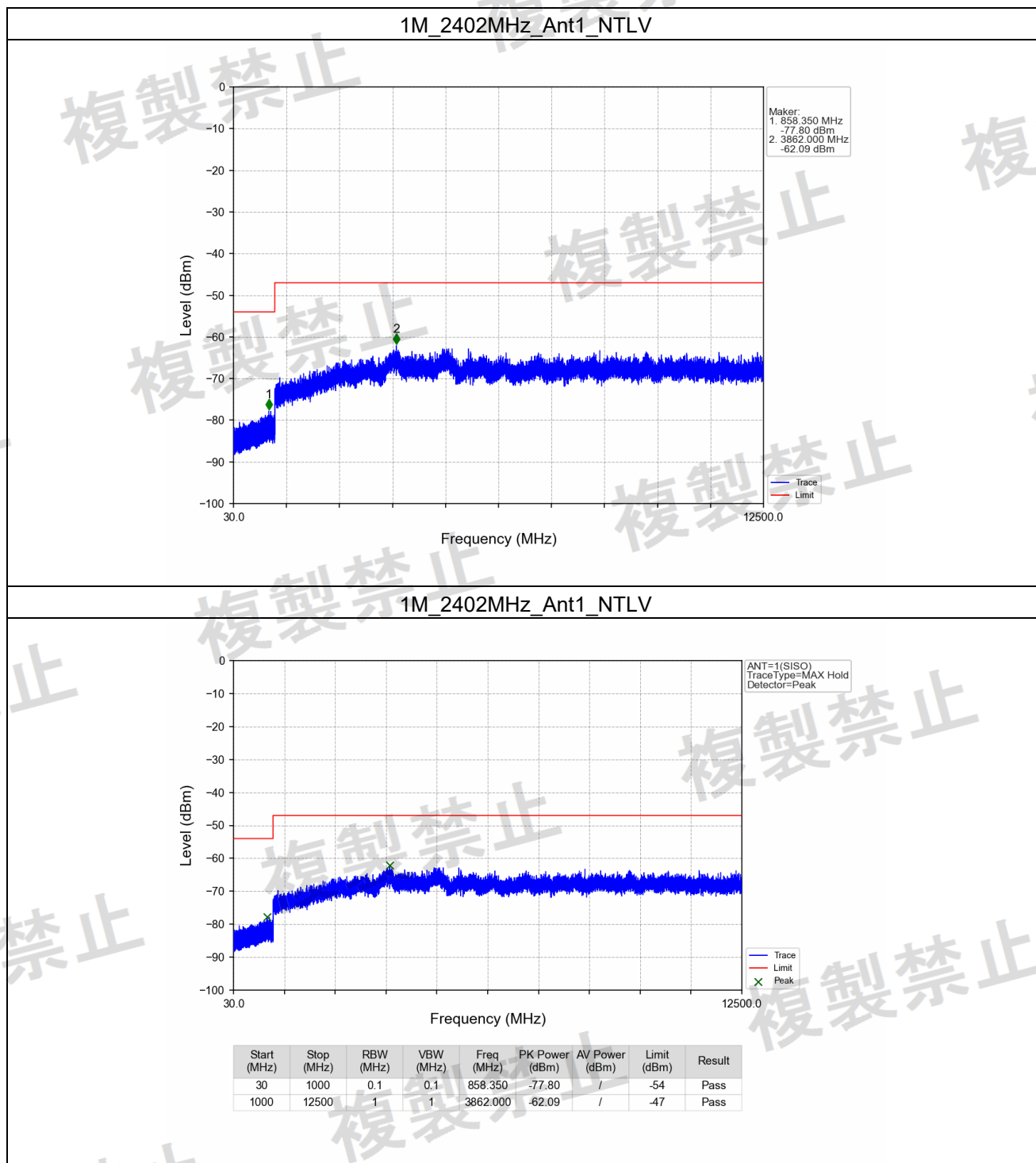
2M_2480MHz_Ant1_NTNV



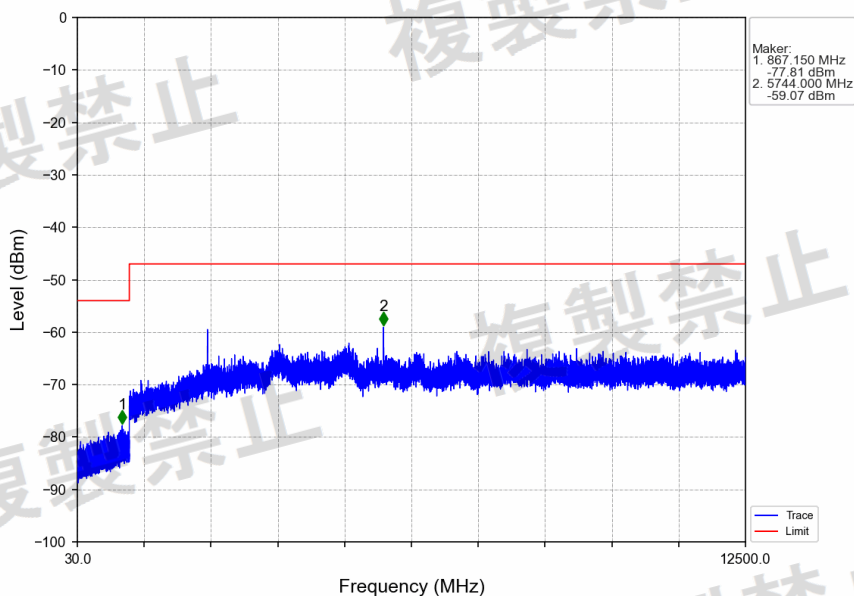
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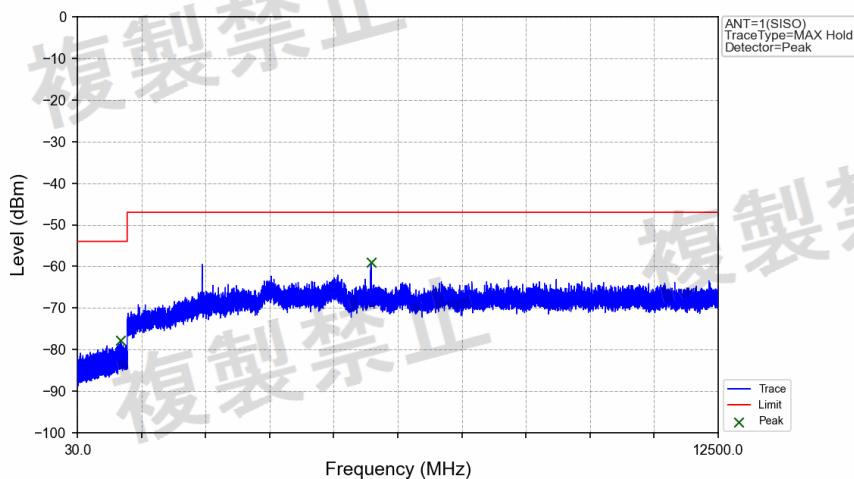
5.2.2 RxSe_NTLV



1M_2480MHz_Ant1_NTLV



1M_2480MHz_Ant1_NTLV

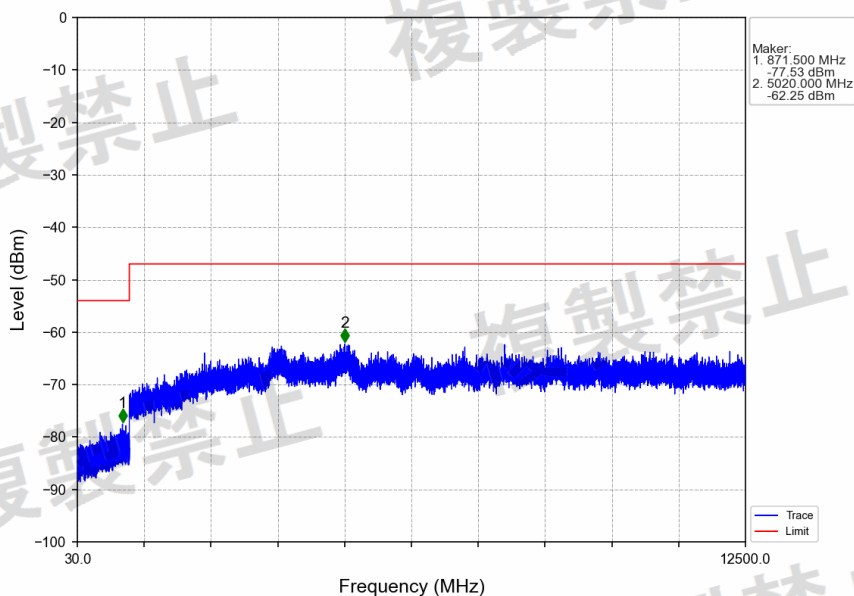


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	867.150	-77.81	/	-54	Pass
1000	12500	1	1	5744.000	-59.07	/	-47	Pass

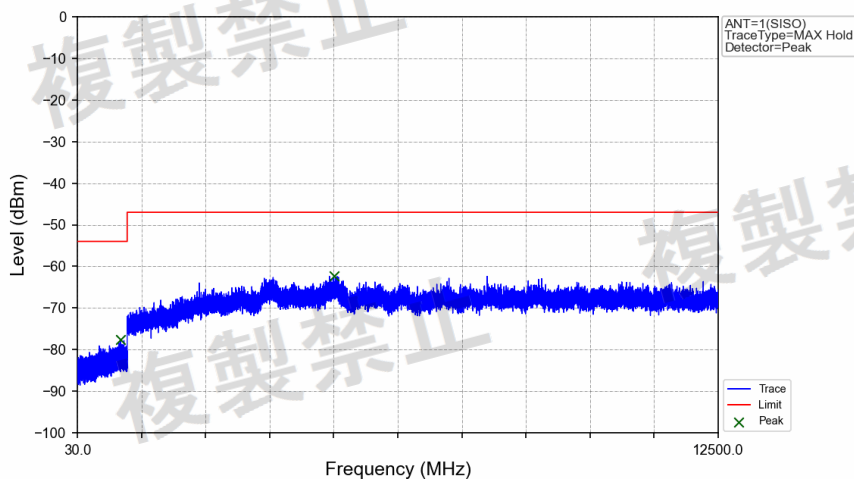
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2M_2402MHz_Ant1_NTLV



2M_2402MHz_Ant1_NTLV

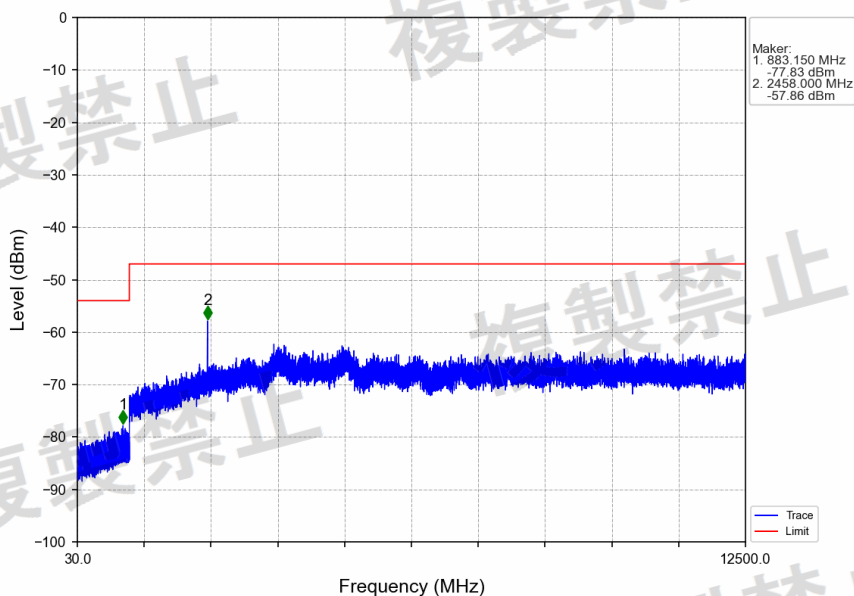


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	871.500	-77.53	/	-54	Pass
1000	12500	1	1	5020.000	-62.25	/	-47	Pass

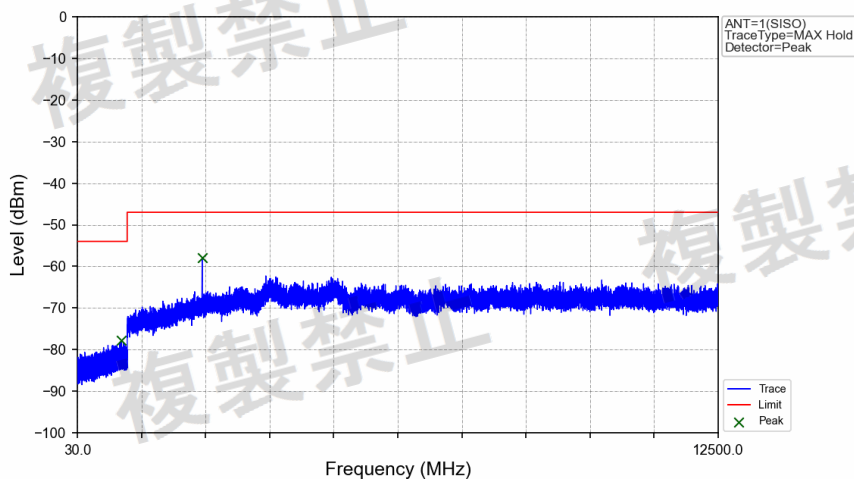
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2M_2480MHz_Ant1_NTLV



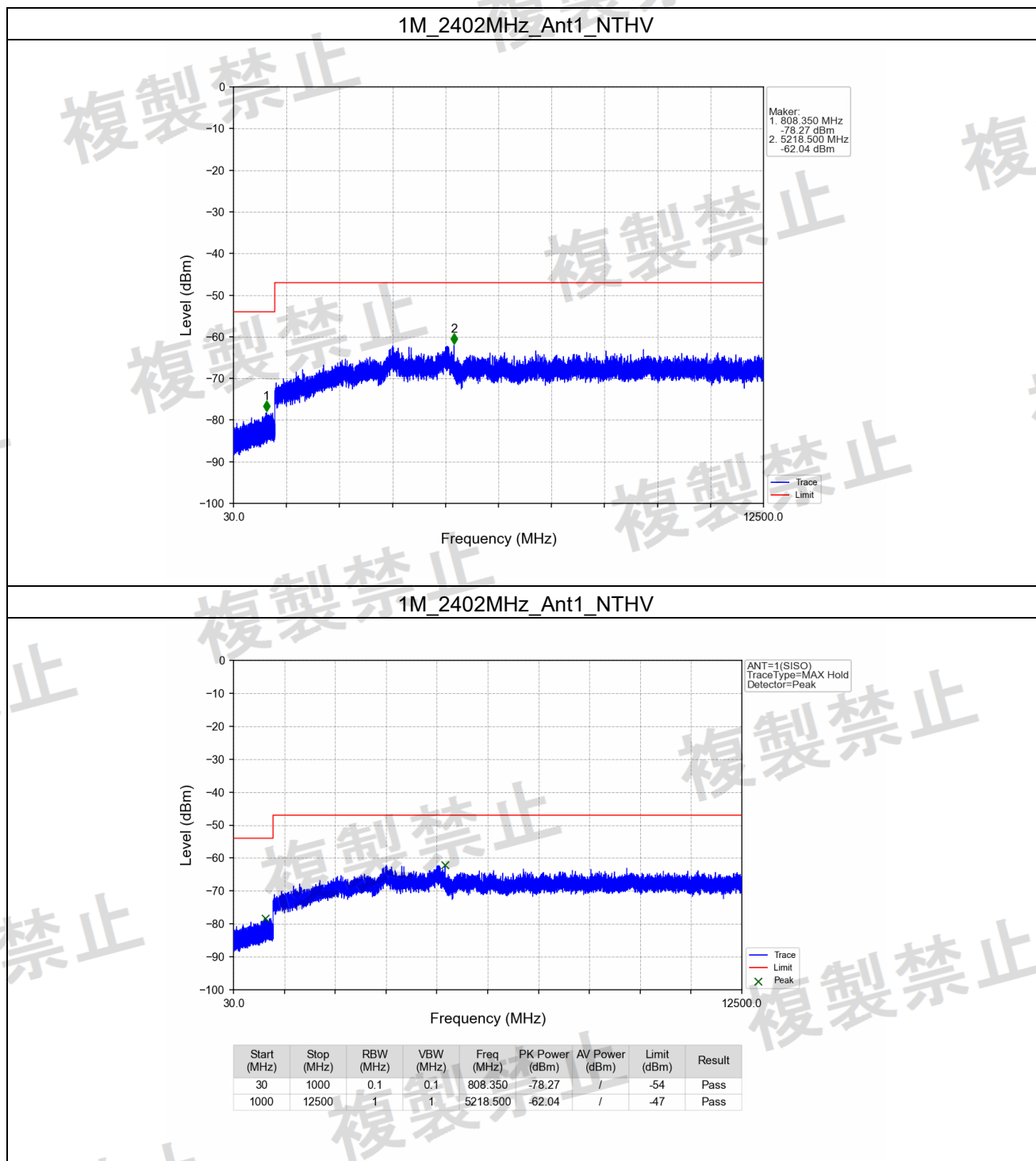
2M_2480MHz_Ant1_NTLV



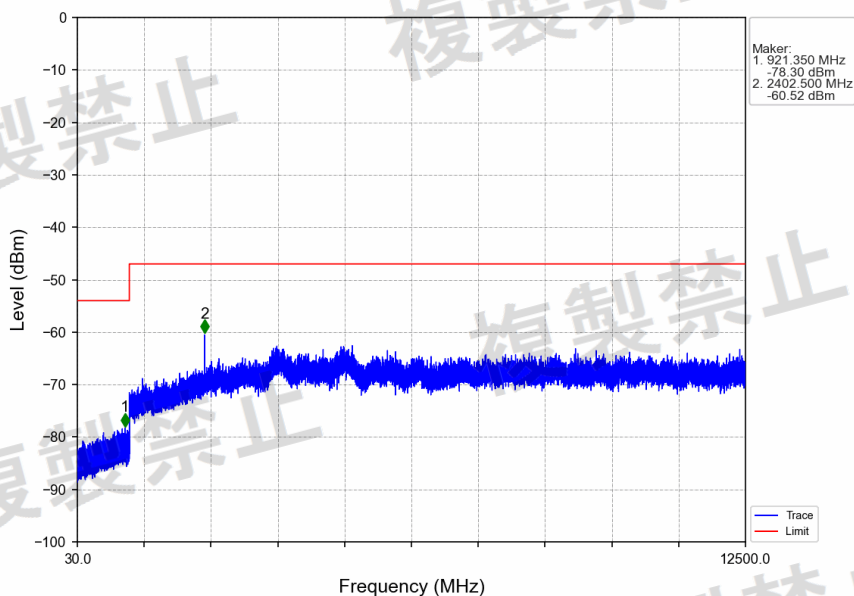
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	883.150	-77.83	/	-54	Pass
1000	12500	1	1	2458.000	-57.86	/	-47	Pass



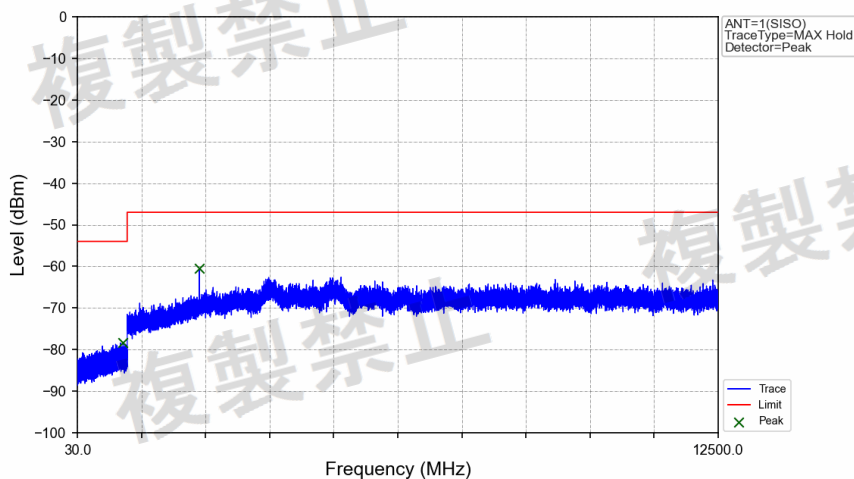
5.2.3 RxSe_NTHV



1M_2480MHz_Ant1_NTHV



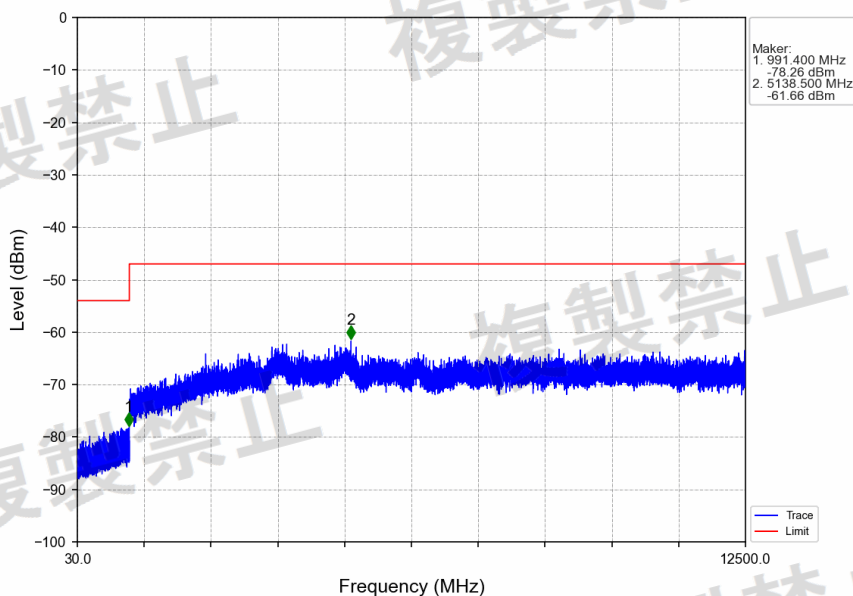
1M_2480MHz_Ant1_NTHV



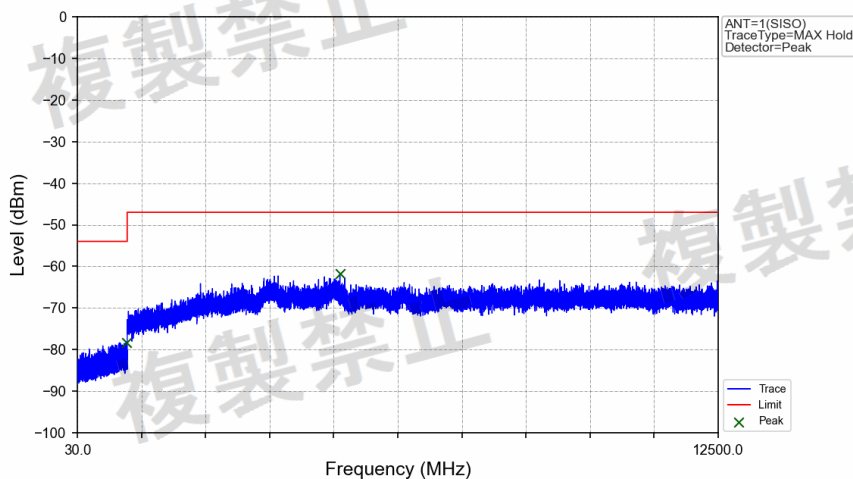
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	921.350	-78.30	/	-54	Pass
1000	12500	1	1	2402.500	-60.52	/	-47	Pass



2M_2402MHz_Ant1_NTHV



2M_2402MHz_Ant1_NTHV

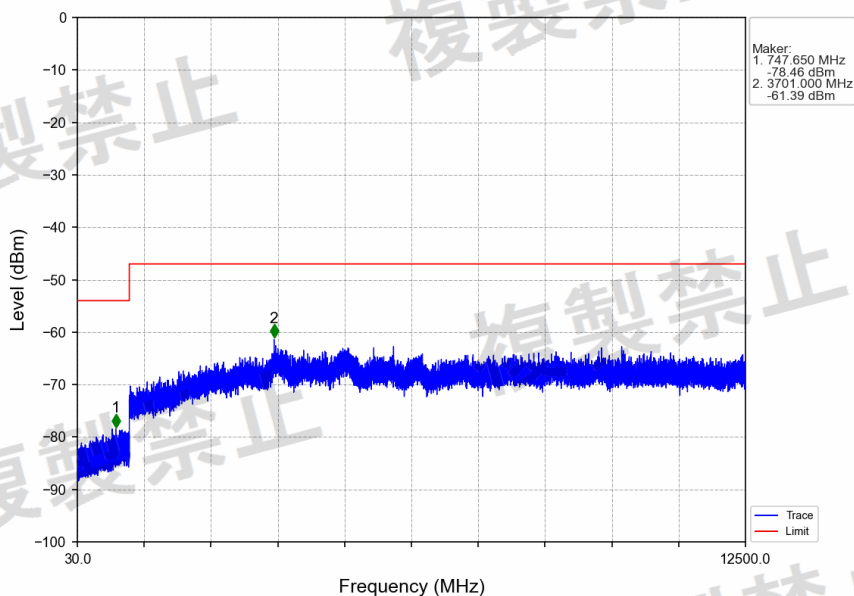


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	991.400	-78.26	/	-54	Pass
1000	12500	1	1	5138.500	-61.66	/	-47	Pass

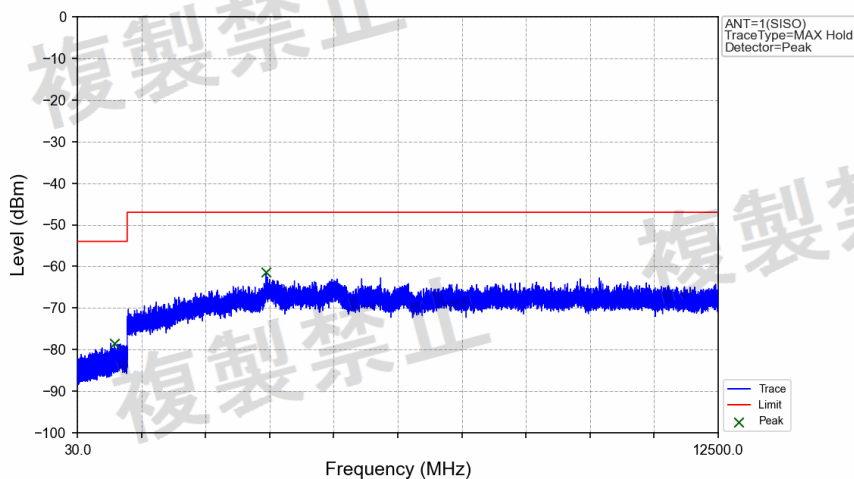
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2M_2480MHz_Ant1_NTHV



2M_2480MHz_Ant1_NTHV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	747.650	-78.46	/	-54	Pass
1000	12500	1	1	3701.000	-61.39	/	-47	Pass

- End of the Report -

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