



Radio Test Report

Report No.:STS2605048W01

Issued for

SICHUAN YINGMU TECHNOLOGY CO.,LTD

No.3, No.2, 8th Floor, Building 2, No.31, Aerospace Road,
Chenghua District, Chengdu, Sichuan Province, China

Product Name: Wireless Speaker

Brand Name: INMO

Model Name: IMS301

Series Model(s): N/A

Test Standard: Article 2 Paragraph 1 of Item 19
MIC Notice No.88 Appendix No.43

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name : SICHUAN YINGMU TECHNOLOGY CO.,LTD
Address : No.3, No.2, 8th Floor, Building 2, No.31, Aerospace Road,
Chenghua District, Chengdu, Sichuan Province, China
Manufacturer's Name : SICHUAN YINGMU TECHNOLOGY CO.,LTD
Address : No.3, No.2, 8th Floor, Building 2, No.31, Aerospace Road,
Chenghua District, Chengdu, Sichuan Province, China

Test Specification:

Standard : Article 2 Paragraph 1 of Item 19
MIC Notice No.88 Appendix No.43

Product Description

Product Name : Wireless Speaker
Brand Name : INMO
Model Name : IMS301
Series Model(s) : N/A

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with Article 2 Paragraph 1 of Item 19, MIC Notice No.88 Appendix No.43 requirements. And it is applicable only to the tested sample identified in the report. The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Testing

Date of receipt of test item : 13 May 2026
Date (s) of performance of tests : 13 May 2026 ~ 20 May 2026
Date of Issue : 20 May 2026
Test Result : **Pass**

Testing Engineer :

(Aaron Bu)

Technical Manager :

(Skylar Li)

Authorized Signatory :

(Bovey Yang)



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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	20 May 2026	STS2605048W01	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Article 2 Paragraph 1 of Item 19 of the certification Measurement Project		
Ordinance Regulating Radio Equipment	Description of Test	judgement
Article 5	Frequency Error	PASS
Article 6	Occupied Bandwidth (99%)	PASS
Article 7	Unwanted Emission Intensity	PASS
Article 14&49-20	Power Error	PASS
Article 24.2	Limitation of Collateral Emission of Receiver	PASS
Article 49-20	Transmission Radiation power	PASS
Article 49-20	Transmission Radiation Angle Width (3DB Beamwidth)	N/A
Article 9-4.5	Radio Interference Prevention Capability	PASS
Article 49-20	Dwell Time	PASS
Article 49-20	Construction Protection Confirmation	PASS

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) Article 2 Paragraph 1 of Item 19, MIC Notice No.88 Appendix No.43



1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.751\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.888\text{dB}$
3	Frequency tolerance	$\pm 0.03\text{ppm}$
4	Occupied Bandwidth	$\pm 3.6\%$
5	Dwell Time	$\pm 3.2\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Equipment	Wireless Speaker	
Brand Name	INMO	
Model Name	IMS301	
Series Model(s)	N/A	
Serial model describing	N/A	
Product Description	The EUT is a Wireless Speaker	
	Operation Frequency:	2402~2480 MHz
	Modulation Type:	GFSK/ $\pi/4$ -DQPSK/8DPSK
	Bit Rate of Transmitter:	BT BR(1Mbps): GFSK BT EDR(2Mbps): $\pi/4$ -DQPSK BT EDR(3Mbps): 8DPSK
	Number Of Channel:	79 CH
	Antenna Designation:	Please refer to the Note 3.
	Antenna Gain(Peak):	2.07dBi
Based on the application, features, or specification exhibited in User Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User Manual.		
Channel List	Please refer to the Note 2.	
Adapter	N/A	
Battery	Model: 702030-400mAh Rated Voltage: 3.7V Charge Limit Voltage: 4.2V Capacity: 400mAh	
Hardware version	V1.0	
Software version	V1.0	
Connecting I/O Port(s)	Please refer to the Note 1.	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.



2. Channel List

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

3. Table for Filed Antenna

Ant.	Antenna Brand	Antenna Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	SHENZHEN MIZIT TECHNOLOGY CO.,LTD	IMS301	PCB	N/A	2.07	BT Antenna

Note: The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report. Due to the incorrect antenna information, a series of problems such as the accuracy of the test results will be borne by the customer.



2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively

Pretest Mode	Description
Mode 1	GFSK(CH00 CH78)
Mode 2	$\pi/4$ -DQPSK (CH00 CH78)
Mode 3	8DPSK(CH00 CH78)
Mode 4	GFSK(Hopping)
Mode 5	$\pi/4$ -DQPSK(Hopping)
Mode 6	8DPSK(Hopping)
For Conducted Emission	
Final Test Mode	Description
Mode 1	GFSK(CH00 CH78)
Mode 2	$\pi/4$ -DQPSK (CH00 CH78)
Mode 3	8DPSK(CH00 CH78)
Mode 4	GFSK(Hopping)
Mode 5	$\pi/4$ -DQPSK(Hopping)
Mode 6	8DPSK(Hopping)



2.3 TEST CONDITIONS

The BT module was tested while in a continuous transmitter/receiver mode.

The EUT was tuned to a low, middle, and high channel for all tests. For all test case pre/scans were completed in all Modes to determine worst case levels

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

- Temperature: 22°C
- Humidity: 52 %
- Atmospheric pressure: 93 kpa

Power Supply Voltage Fluctuation Test

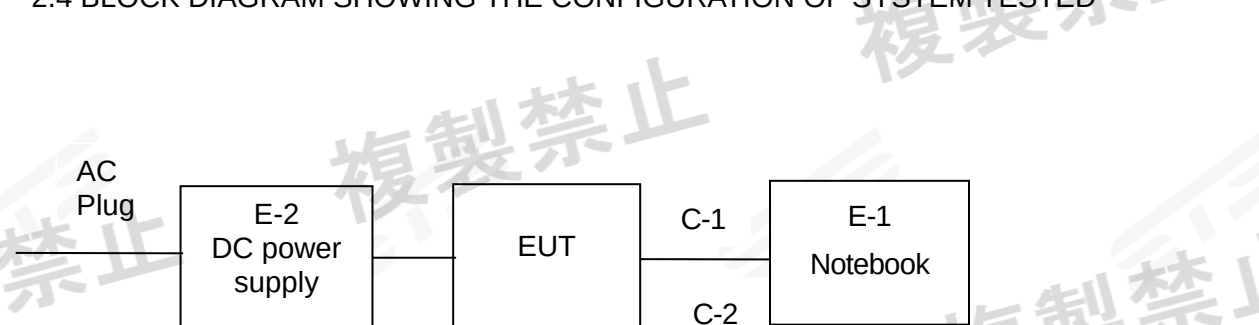
Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input DC Power(V)	3.7	4.07	3.33

2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS.

RF Function	Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
BT	BR+EDR	GFSK	2.07	7	BT_Tool V1.0.5
		$\pi/4$ -DQPSK		7	
		8DPSK		7	

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.



Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Notebook	DELL	Inspiron 3501	N/A
E-2	DC power supply	HONGSHENG FENG	DPS-305AF	N/A
C-1	Serial port board	XES	WTYZK	N/A
C-2	USB Cable	MI	RYEW3A	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-2	Shielded	NO	150cm	N/A

Note: For detachable type I/O cable should be specified the length in cm in 'Length' column.

2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

RF Connected Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Signal Generator	Keysight	N5182B	MY57301448	2025.09.26	2026.09.25
Signal Analyzer	Agilent	N9020A	MY51510623	2026.02.04	2027.02.03
Temperature & Humidity	SW-108	SuWei	N/A	2026.02.04	2027.02.03
Digital Oscilloscope	Tektronix	TDS1012B	C062149	2025.09.22	2026.09.21
Power Sensor	Keysight	U2021XA	MY55520005	2025.09.25	2026.09.24
Power Divider	eastsheep	PD-0.5/0.6-2 S	B519	2026.02.24	2027.02.23
Attenuator	Agilent	8494B	DC-18G	2026.02.24	2027.02.23
DC power supply	HONGSHEN GFENG	DPS-305AF	17064939	2025.09.22	2026.09.21
Switch control box	TST	TSCB562R2	N/A	2025.09.26	2026.09.25
Test SW	TST	TST-PASS_2.0.1			

Test Equipment Calibration

All of the test equipment is effective use and calibration certification institution, GRGT, the address is No.8 Chuangyun Rd, Panyu District, Guangzhou, Guangdong, China

Note: The calibration agency listed on the table corresponds to item ii c) of Article 24-2 paragraph 4.

3. CONSTRUCTION PROTECTION CONFIRMATION

Our products apply for Japanese radio frequency (rf) certification. We use the following methods to prevent unauthorized access and modification of RF and modulation parts. The high-frequency section and modulation section use SMT technology, not easy to change(The chip have more than 10 chip pins, less than 1.5mm pin distance.) , see the following photo.





4. FREQUENCY ERROR

4.1 LIMIT

Item	Limits
Frequency Error	$\pm 50\text{ppm}$

4.2 TEST PROCEDURES

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- (1) In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a spectrum analyzer.
- (2) In the case of burst waves, the measurement shall be done for enough time in order to obtain the enough measuring accuracy, and the average of the measured values becomes the final value.
- (3) In the case of a test mode with a specific frequency spectrum, measure the frequency of the specific spectrum by a spectrum analyzer.
- (4) In the cases above, if the frequency equivalent to the test frequency is not directly measured in principle, it shall be obtained by necessary calculation.

In the case of modulated signal, if there is no specific spectrum measurable by a spectrum analyzer but a specific dip is observed, it is allowed to measure the frequency with the signal generator (synthesized). That is, observe a signal of the signal generator concurrently (or alternately) with the tested signal using the spectrum analyzer while setting the frequency of the signal generator to the position of the dip on the screen of the spectrum analyzer, and determine the frequency of the signal generator at the time as a measured value.

4.3 TEST SETUP



4.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.



5. ANTENNA POWER

5.1 LIMIT

Item	Limits
Antenna Power Density	$\leq 3\text{mW/MHz}$ (FH from 2400 – 2483.5 MHz) $\leq 10\text{mW/MHz}$ (FH 2400 – 2483.5 MHz except 2427-2470.75 MHz) $\leq 10\text{mW/MHz}$ (OFDM,DS from 2400~2483.5MHz, 802.11b/g/n HT20) $\leq 5\text{mW/MHz}$ (OFDM,DS from 2400~2483.5MHz, 802.11n HT40) $\leq 10\text{mW}$ (Other from 2400~2483.5MHz)
Power Error	+20%, No lower limit (Base on manufacturer declare power)

5.2 TEST PROCEDURE

1. A power meter is connected on the IF output port of the spectrum analyzer.
2. EUT turn to test frequency channel and keep continuous transmitting.
3. Connected the equipment to be measured. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operation frequency; RBW & VBW: 1 MHz:3MHz; detector mode: positive peak; averGaing: off; span: 83.5MHz; amplitude: adjust for middle of the instrument' range.
4. Connected the equipment to be measured. Using the following settings of the spectrum analyzer in combination with "Clear" function, The center frequency is equal to the highest frequency point in Step 3; RBW & VBW: 3 MHz:3MHz; detector mode: RMS; span: 0MHz;
5. The antenna power of EUT is "P".
6. EIRP power="P"+antenna gain.
Antenna Power mW/MHz= Antenna Power (mW)/Spreading Bandwidth.

5.3 TEST SETUP



5.3 TEST DEVIATION

There is no deviation with the original standard.



5.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.

6. RADIATION POWER

6.1 LIMIT

Item	Limits
Radiation power EIRP	FH from 2427 - 2470.75 MHz ,EIRP $\leq$ 6.91dBm/MHz CCK/OFDM/DBPSK (2400~2483.5MHz) OFDM or DS other than (802.11b/g/n HT20) EIRP $\leq$ 12.14 dBm/MHz OFDM or DS other than (802.11n HT40) EIRP $\leq$ 9.13dBm/MHz Other from 2400~2483.5MHz: 12.14 dBm or less

6.2 TEST RESULT

Note: The test data please refer to APPENDIX 1.



7. OCCUPIED BANDWITH (99%)

7.1 LIMIT

Item	Limits
Occupied Band Width:	$\leq 83.5\text{MHz}$ (FH;FH+DS;FH+OFDM) $\leq 26\text{MHz}$ (Others) 26MHz-40MHz (for 40M)

7.2 TEST PROCEDURE

1. Setting of SA is following as: RB: 1MHz / VB: 1MHz / SPAN: Auto / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
2. 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 26MHz (For FH or OFDM Device) or 83.5MHz (For FHSS Device).

7.3 TEST SETUP



7.4 TEST DEVIATION

There is no deviation with the original standard.

7.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULT

Note: The test data please refer to APPENDIX 1.



8. UNWANTED EMISSION INTENSITY MEASUREMENT

8.1 LIMIT

Item	Limits
TX Spurious Emission	$\leq 2.5 \mu\text{W/MHz}$ ($30\text{MHz} \leq f \leq 1000\text{MHz}$)
	$\leq 2.5 \mu\text{W/MHz}$ ($1000\text{MHz} < f \leq 2387\text{MHz}$)
	$\leq 25 \mu\text{W/MHz}$ ($2387\text{MHz} < f \leq 2400\text{MHz}$)
	$\leq 25 \mu\text{W/MHz}$ ($2483.5\text{MHz} \leq f < 2496.5\text{MHz}$)
	$\leq 2.5 \mu\text{W/MHz}$ ($2496.5\text{MHz} \leq f < 12500\text{MHz}$)

8.2 TEST PROCEDURE

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1 MHz/1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: RB: 1MHz / VB: 1MHz / Sweep time: Auto/ Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
3. Setting of SA is following as 30MHz and stop frequency 1000MHz. Then to mark peak reading value + cable loss shall be less than 2.5 $\mu\text{W/MHz}$.
4. Setting of SA is following as 1000MHz and stop frequency 2387MHz. Then to mark peak reading value + cable loss shall be less than 2.5 $\mu\text{W/MHz}$.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25 $\mu\text{W/MHz}$.
6. SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz. Then to mark peak reading value + cable loss shall be less than 25 $\mu\text{W/MHz}$.
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12750MHz. Then to mark peak reading value + cable loss shall be less than 2.5 $\mu\text{W/MHz}$.
8. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like ACLP measurement as Result_Value.



8.3 TEST SETUP



8.4 TEST DEVIATION

There is no deviation with the original standard.

8.5 TEST RESULT

Note: 1. SA set to from 2.4965GHz to 13GHz, plot shows from 2.497GHz to 13GHz as of SA's default format. The test data please refer to APPENDIX 1.



9. DWELL TIME

9.1 LIMIT

Item	Limits
Hopping Freq. Dwell Time	$\leq 0.4 \text{ sec (In } 0.4 \text{ sec} \times \text{spreading rate)}$

9.2 TEST PROCEDURES

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	0 MHz
RB	1 MHz
VB	1 MHz
Detector	Peak
Trace	Max Hold
Sweep	Continuous

- The transmitter output (antenna port) was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- Use a video trigger with the trigger level set to enable triggering only on full pulses.
- Sweep Time is more than once pulse time.
- Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- Measure the maximum time duration of one single pulse.
- Set the EUT for packet transmitting.
- Measure the maximum time duration of one single pulse.
- Dwell time = pulse time (ms) x pulse number in 31.6s

9.3 TEST SETUP



9.4 TEST RESULT

Note: The test data please refer to APPENDIX 1.



10. IMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

10.1 LIMIT

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

10.2 TEST PROCEDURES

Spectrum Parameter	Setting
Attenuation	Auto
RB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
VB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. EUT have the continuous reception mode and fixed only one channelize.
2. Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz (above 1GHz emissions) / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
3. SA set RB: 100kHz and VB: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW.
4. SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12500MHz. Search to mark peak reading value + cable loss shall be less than 20nW.
5. If power level of lower emissions are more than 1/10 of limit (.0.4nW for $f < 1\text{GHz}$, 2nW 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.

10.3 TEST RESULT

Note: The test data please refer to APPENDIX 1.



11. TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH) MEASUREMENT

11.1 LIMIT

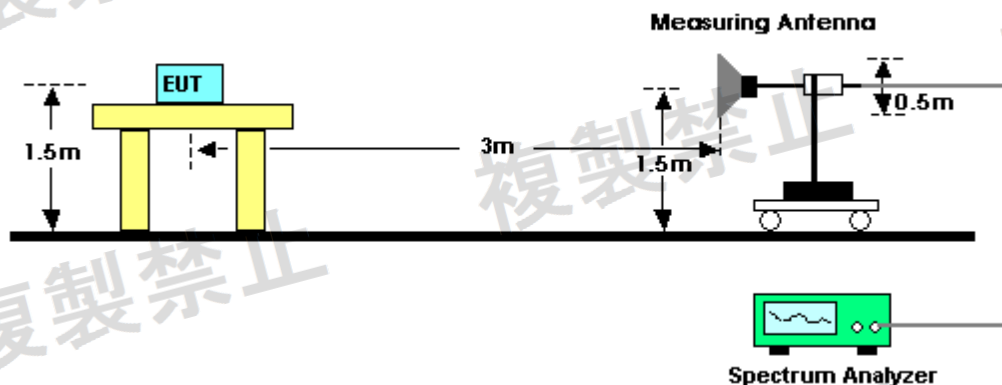
Item	Limits
3dB antenna beam width	$e \leq 360/A$ (The A is 10 in maximum) $A = \{EIRP \text{ Power [mW/MHz]} / \{2.14\text{dBi} + \text{output power (10mW /MHz, 3mW/MHz)}\}\}$ Shall be 1 when A is lower than 1
Note: This test item is not applied for radio equipment with equivalent isotropic radiation power lower than 12.14dBm/MHz, but Antenna Power(Conducted) limit is 10 mW/MHz (10 dBm/MHz), So the test item will not be applied to the transmission antenna which has a gain of 2.14dBi or less	

11.2 TEST PROCEDURES

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	0 MHz
RB	1 MHz
VB	1 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. Set EUT and measuring antenna at the same height and roughly facing each other.
2. Set spectrum analyzer with condition in section 11.2 and tune reference level to observe receiving signal position.
3. Rotate directions of the EUT horizontally and vertically to find the maximum receiving power.
4. Move the measuring antenna height up and down within $\pm 50\text{cm}$ of EUT height and swing it to find the maximum output of measuring antenna. "E" is the half-power beam width (angle between two points at which radiated power becomes 1/2)
5. Calculate permitted radiation angle in horizontal and vertical using EIRP measured in another test method.
6. Calculate 3dB antenna beam width by the formula below $360/A$ (If $A < 1$; then $A = 1$).
 $A = \{EIRP \text{ Power [mW/MHz]} / \{2.14\text{dBi} + \text{output power (10mW /MHz, 3mW/MHz)}\}\}$
Shall be 1 when A is lower than 1

11.3 TEST SETUP



11.4 TEST DEVIATION

There is no deviation with the original standard.

11.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

11.6 TEST RESULT

Note: The Max EIRP is less than 6.91dBm/MHz, not applicable.

12. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

12.1 LIMIT

Item	Limits
Identification code	≥ 48 bits

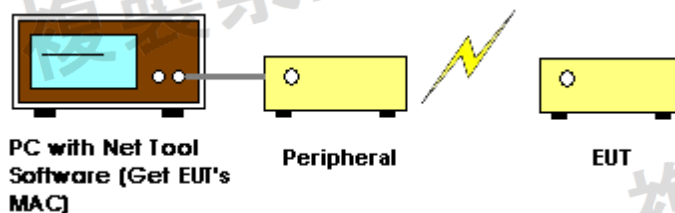
12.2 MEASURING ID CODE SOFTWARE

Item	Limits
MAC IP List	MAC Scan

12.3 TEST PROCEDURES

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

12.4 TEST SETUP



12.5 TEST DEVIATION

There is no deviation with the original standard.

12.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.



12.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILITY

Note: The MAC Address is 41:42:6C:7E:B4:17

**APPENDIX 1-TEST DATA****1. FREQUENCY ERROR****1.1 TEST RESULT****1.1.1 ANT1**

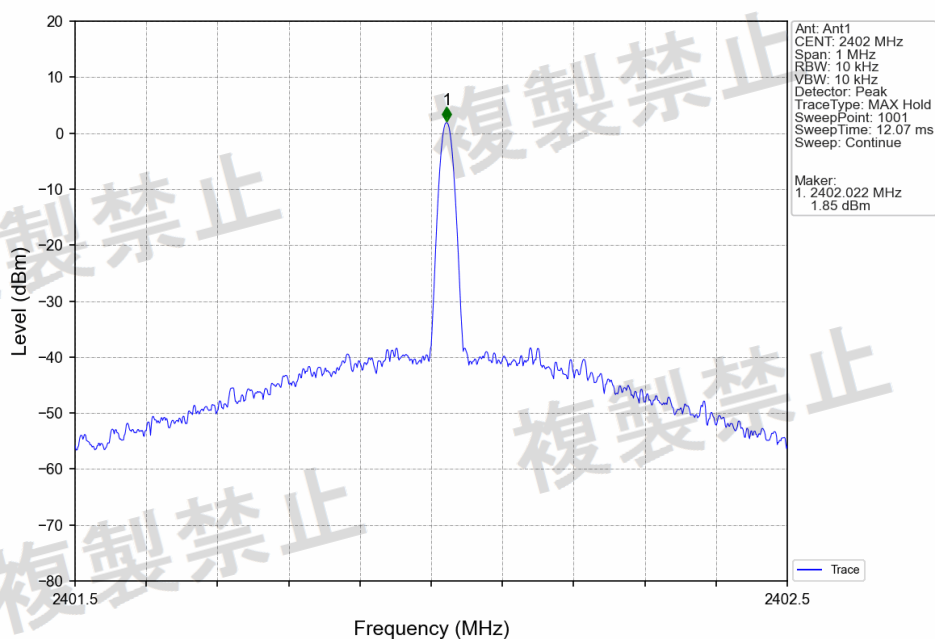
Ant1								
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Measured Frequency (MHz)	Tolerance (ppm)		Verdict
						Result	Limit	
NTNV	Carrier Wave	SISO	2402	DH5	2402.022	9.16	-50 to 50	Pass
			2441	DH5	2441.022	9.01	-50 to 50	Pass
			2480	DH5	2480.022	8.87	-50 to 50	Pass
NTLV	Carrier Wave	SISO	2402	DH5	2402.022	9.16	-50 to 50	Pass
			2441	DH5	2441.022	9.01	-50 to 50	Pass
			2480	DH5	2480.022	8.87	-50 to 50	Pass
NTHV	Carrier Wave	SISO	2402	DH5	2402.022	9.16	-50 to 50	Pass
			2441	DH5	2441.022	9.01	-50 to 50	Pass
			2480	DH5	2480.022	8.87	-50 to 50	Pass



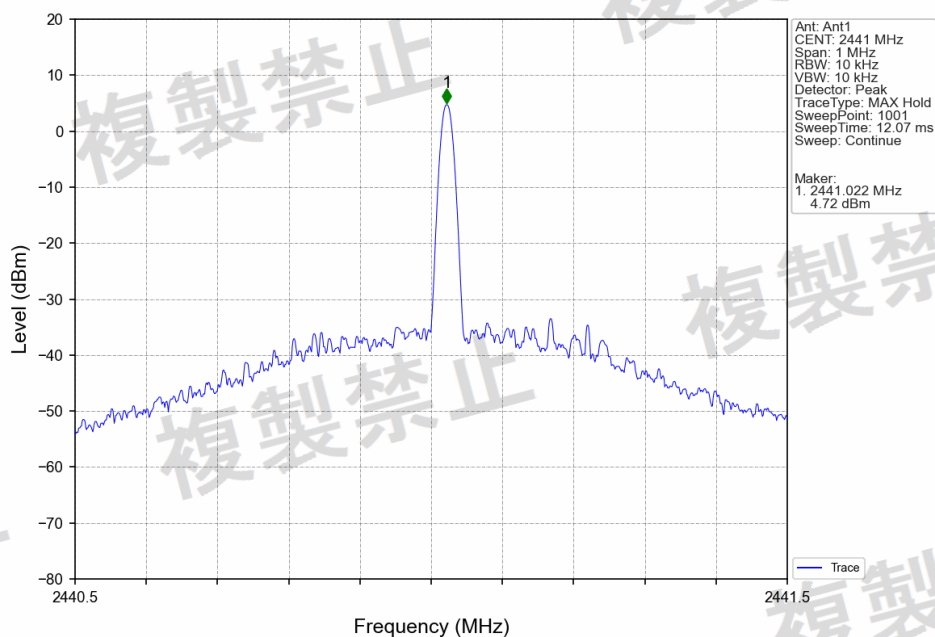
1.2 TEST GRAPH

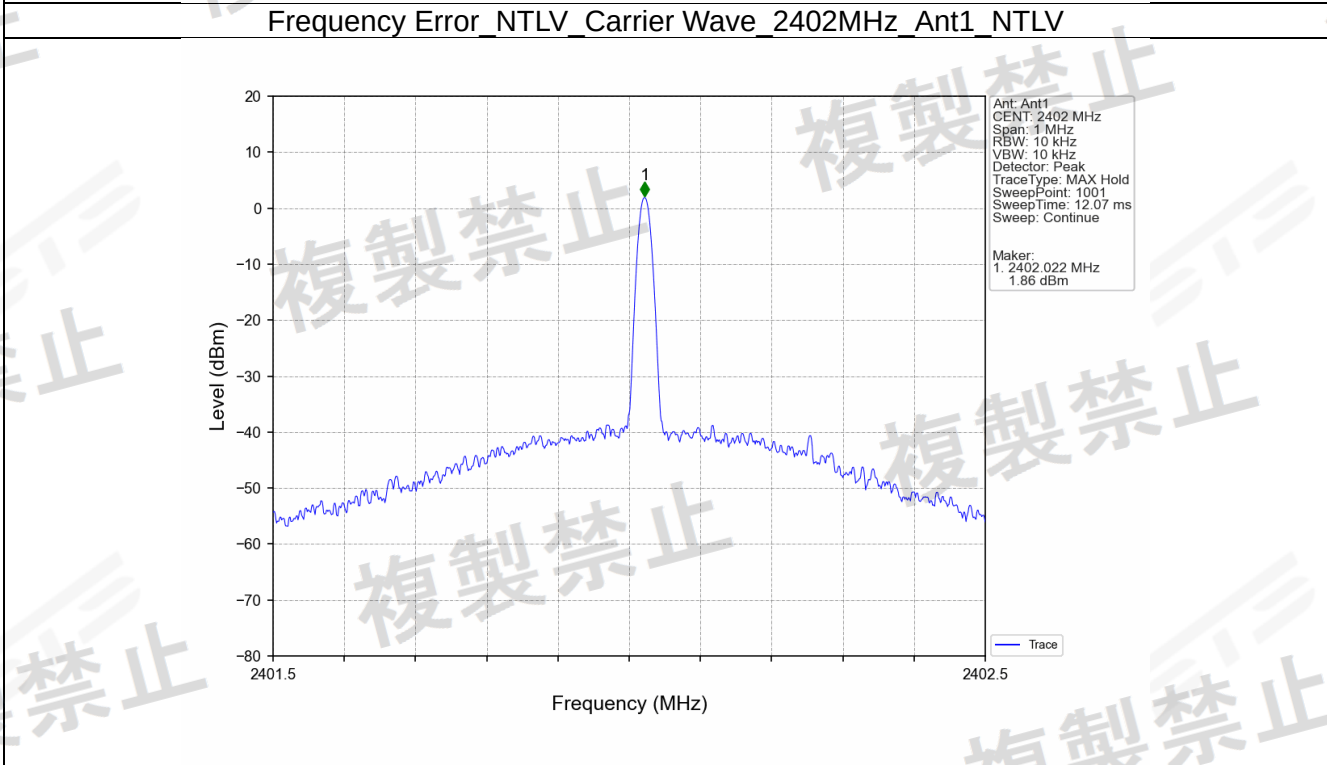
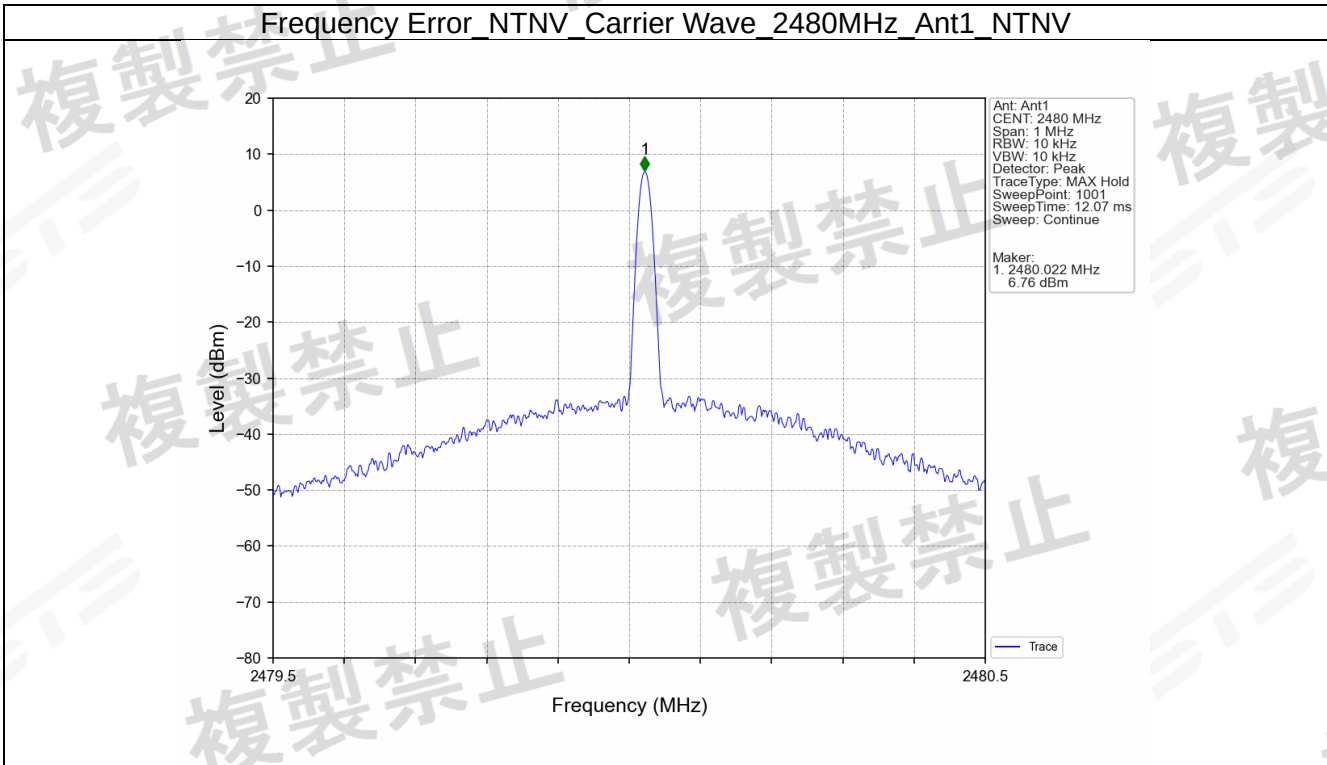
1.2.1 ANT1

Frequency Error_NTNV_Carrier Wave_2402MHz_Ant1_NTNV



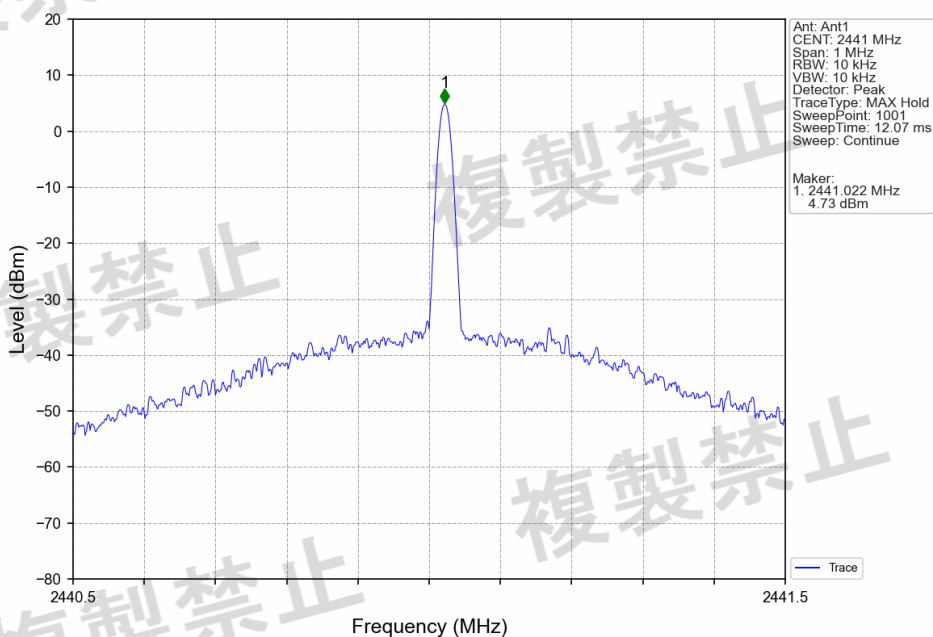
Frequency Error_NTNV_Carrier Wave_2441MHz_Ant1_NTNV



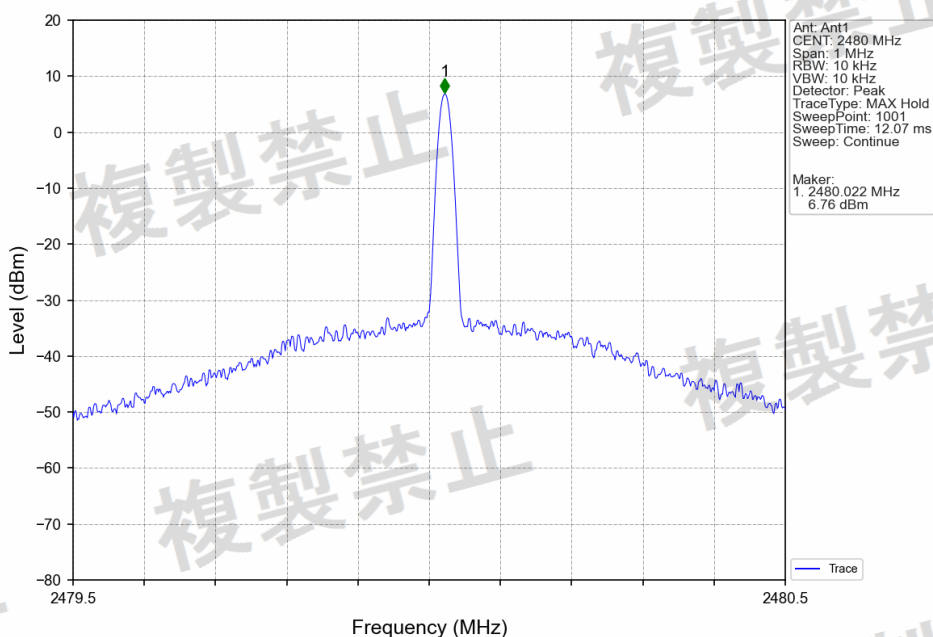




Frequency Error_NTLV_Carrier Wave_2441MHz_Ant1_NTLV

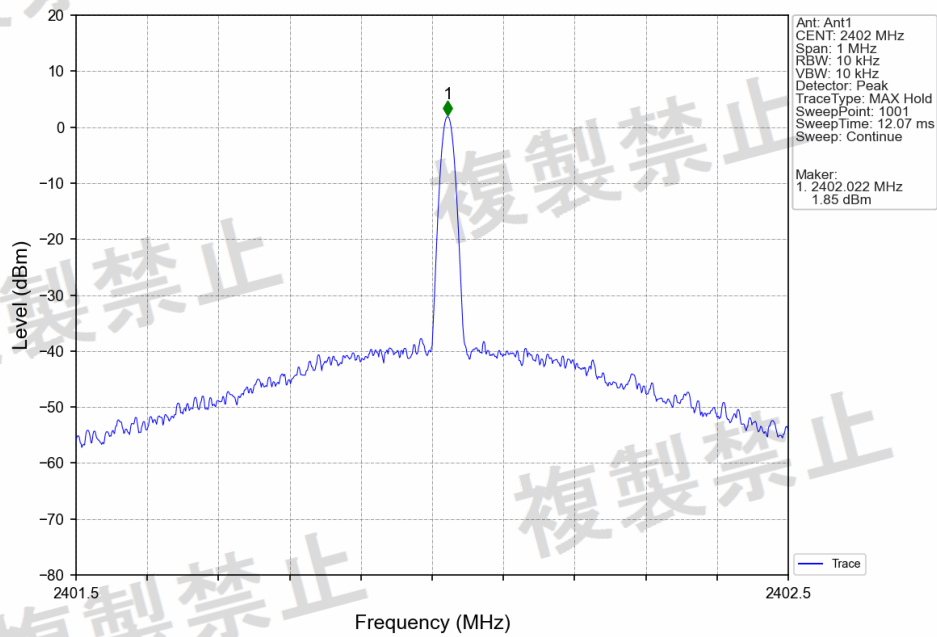


Frequency Error_NTLV_Carrier Wave_2480MHz_Ant1_NTLV

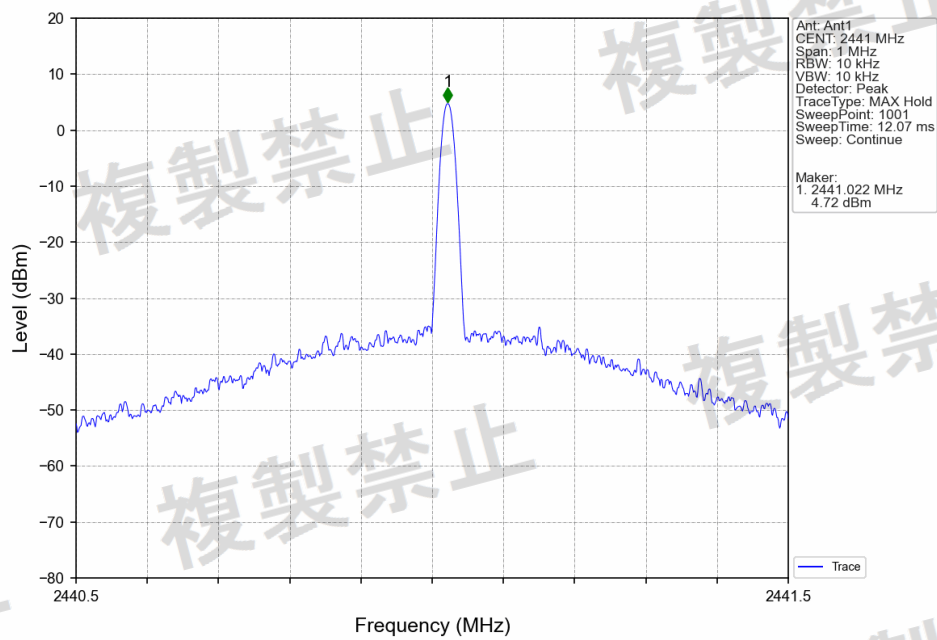


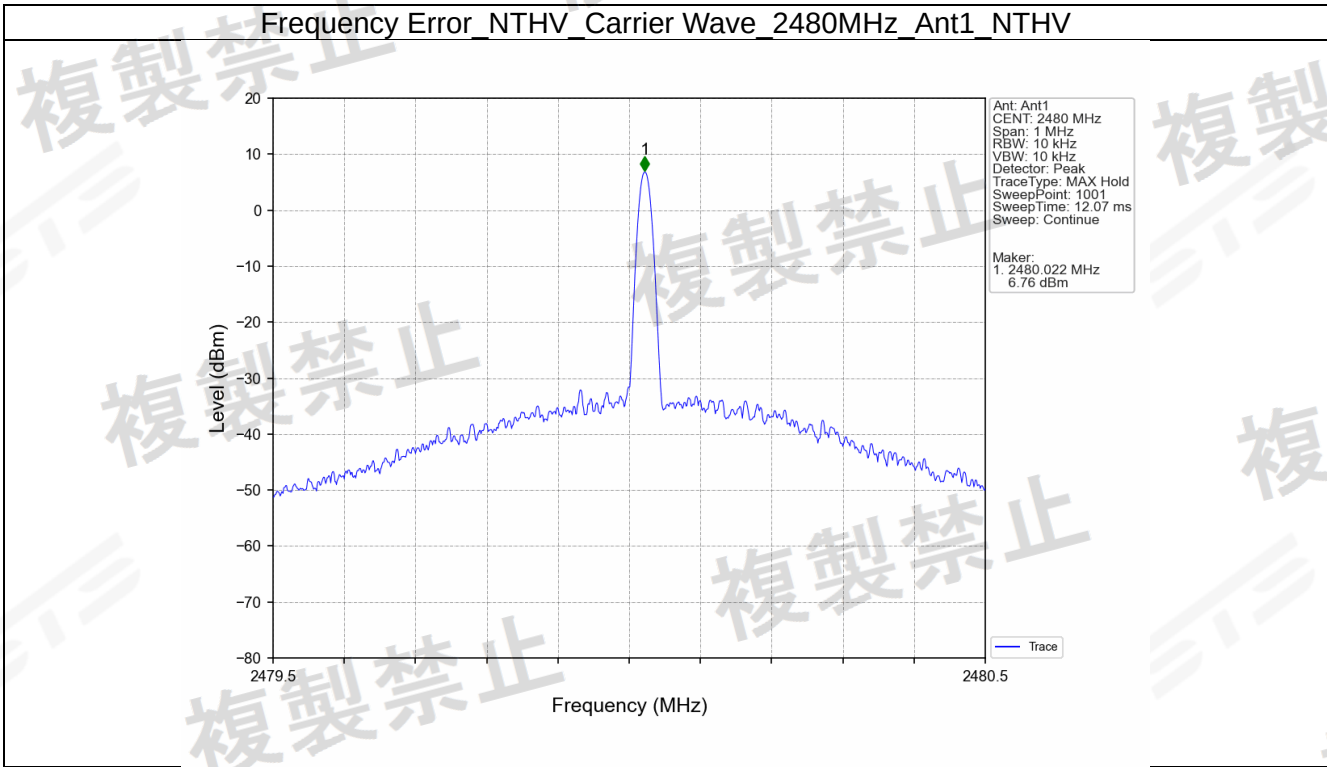


Frequency Error_NTHV_Carrier Wave_2402MHz_Ant1_NTHV



Frequency Error_NTHV_Carrier Wave_2441MHz_Ant1_NTHV







2. OCCUPIED BANDWIDTH

2.1 TEST RESULT

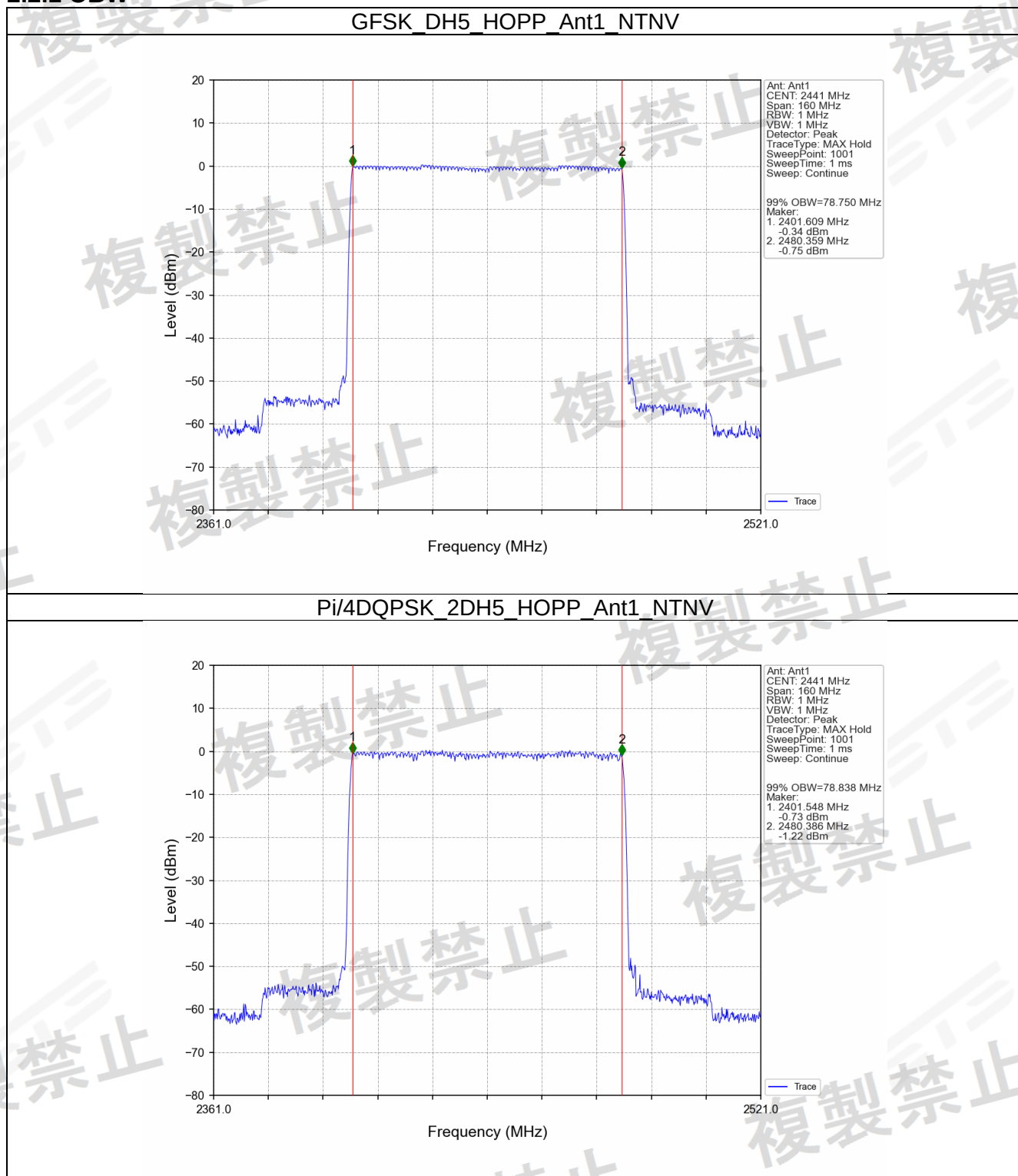
2.1.1 OBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	99% Occupied Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	78.750	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.838	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.775	<=83.5	Pass
NTLV	GFSK	SISO	HOPP	DH5	78.750	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.819	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.807	<=83.5	Pass
NTHV	GFSK	SISO	HOPP	DH5	78.744	<=83.5	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	78.761	<=83.5	Pass
	8DPSK	SISO	HOPP	3DH5	78.811	<=83.5	Pass



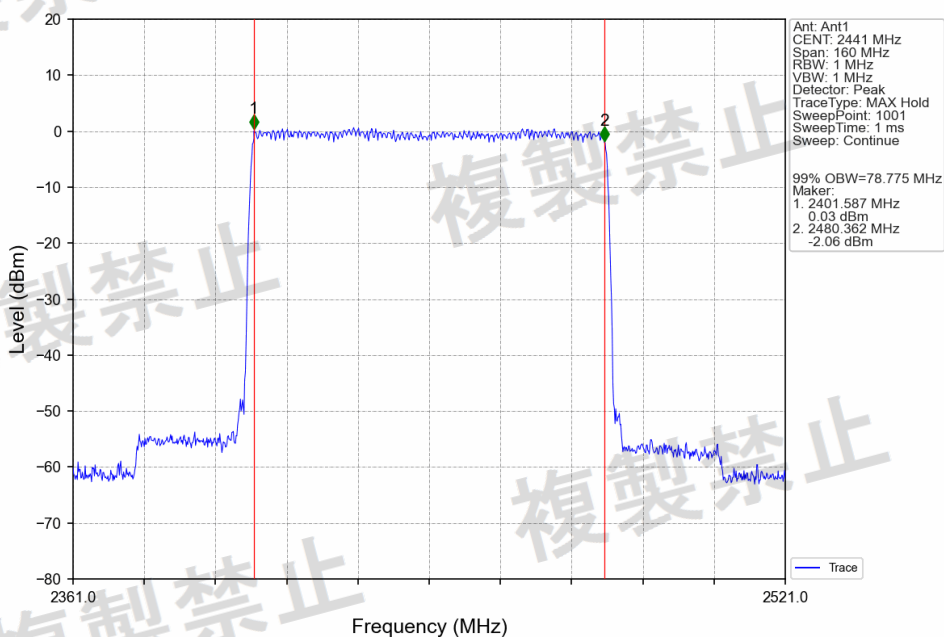
2.2 TEST GRAPH

2.2.1 OBW

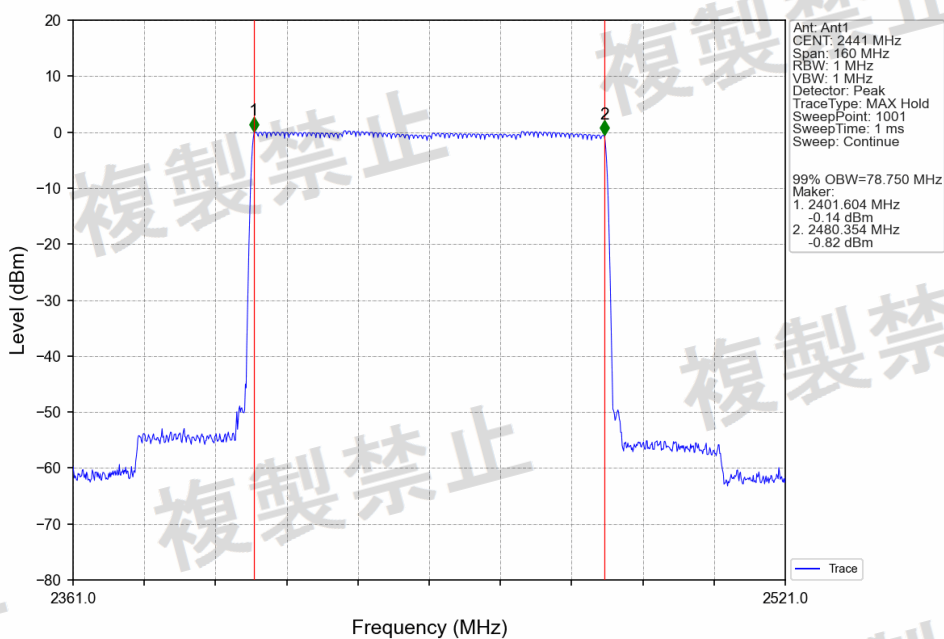


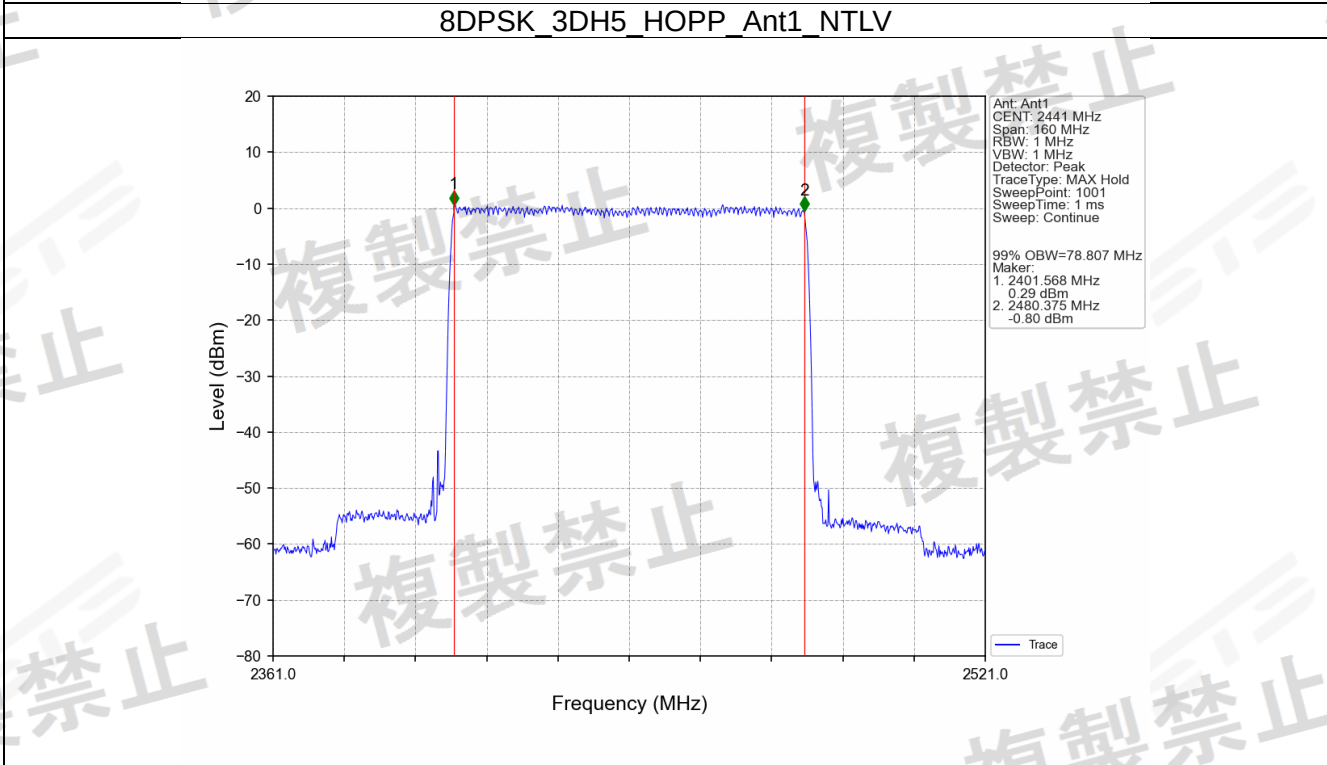
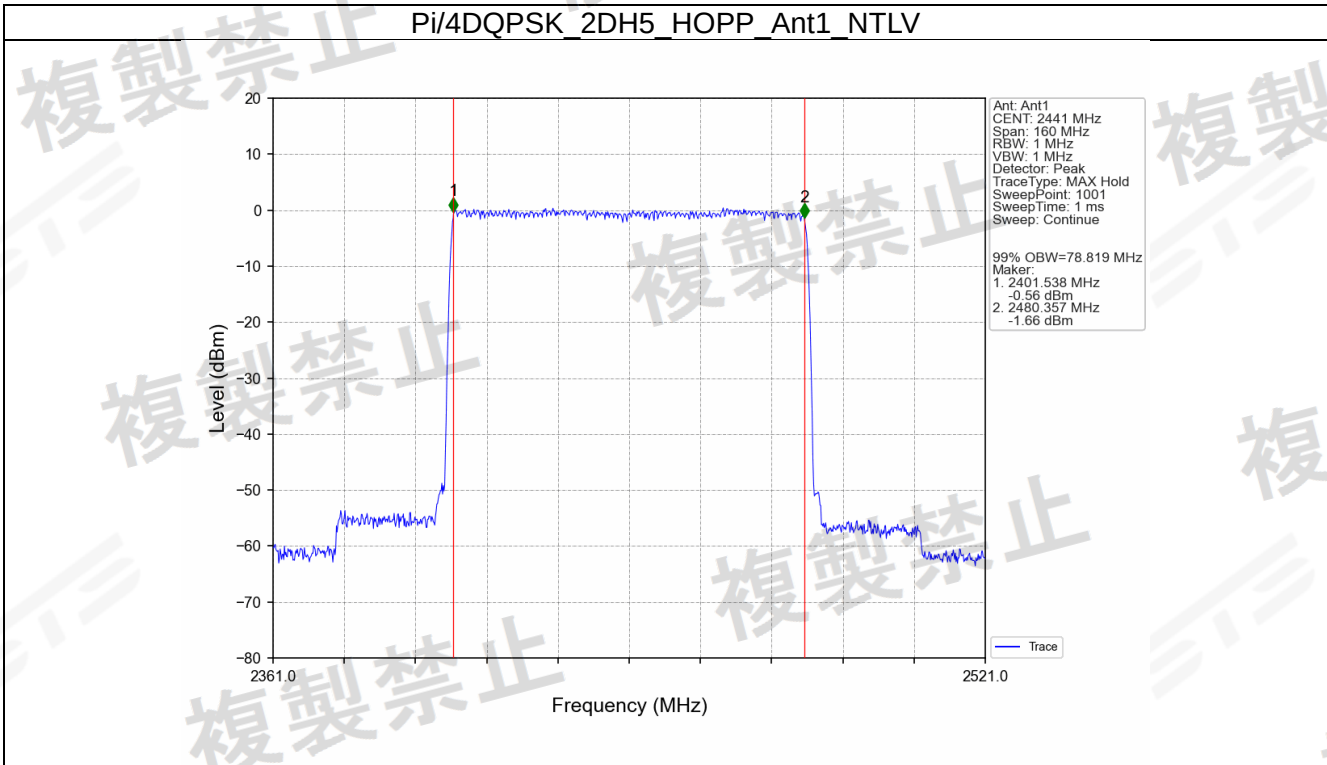


8DPSK_3DH5_HOPP_Ant1_NTNV



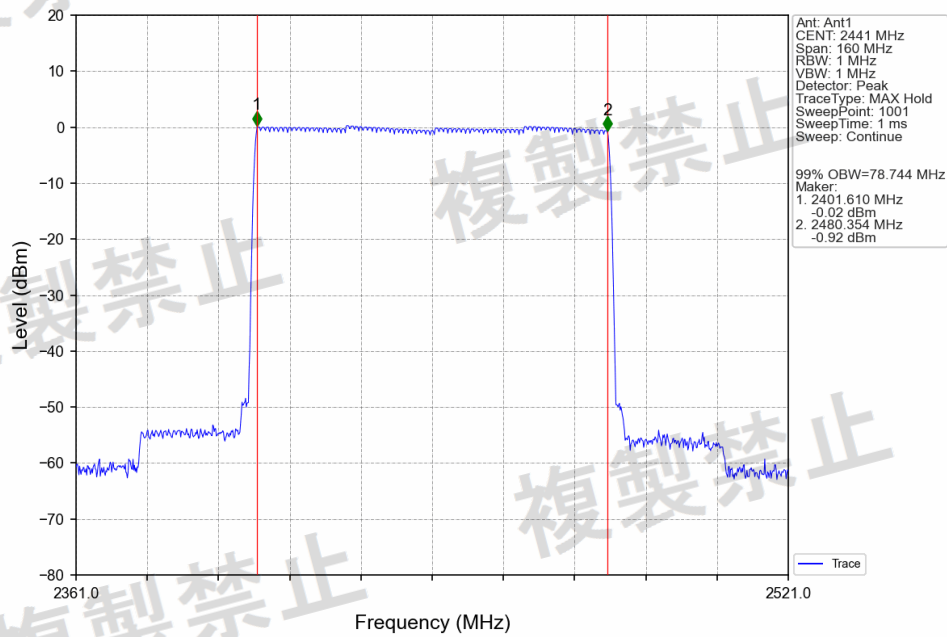
GFSK_DH5_HOPP_Ant1_NTLV



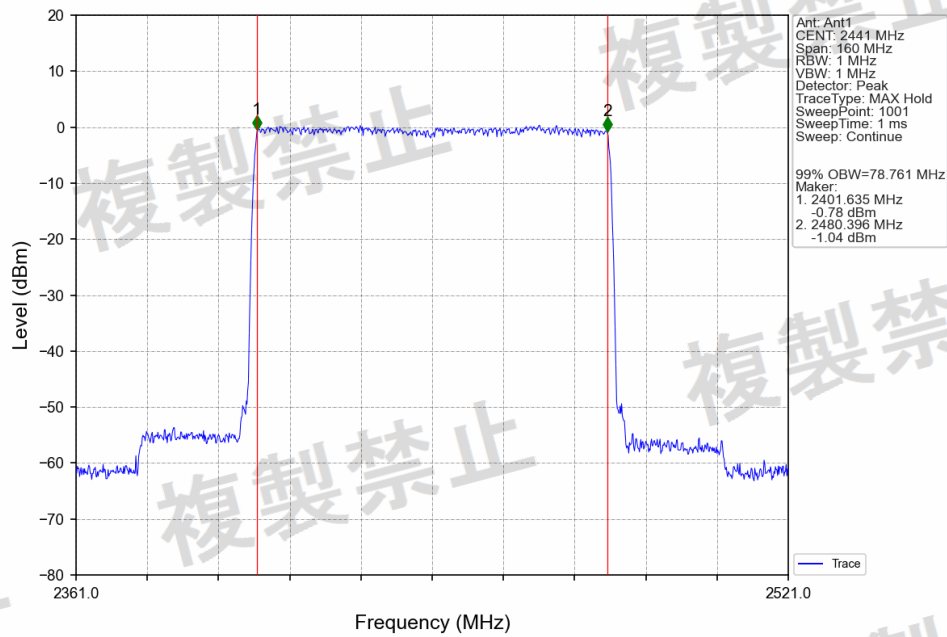


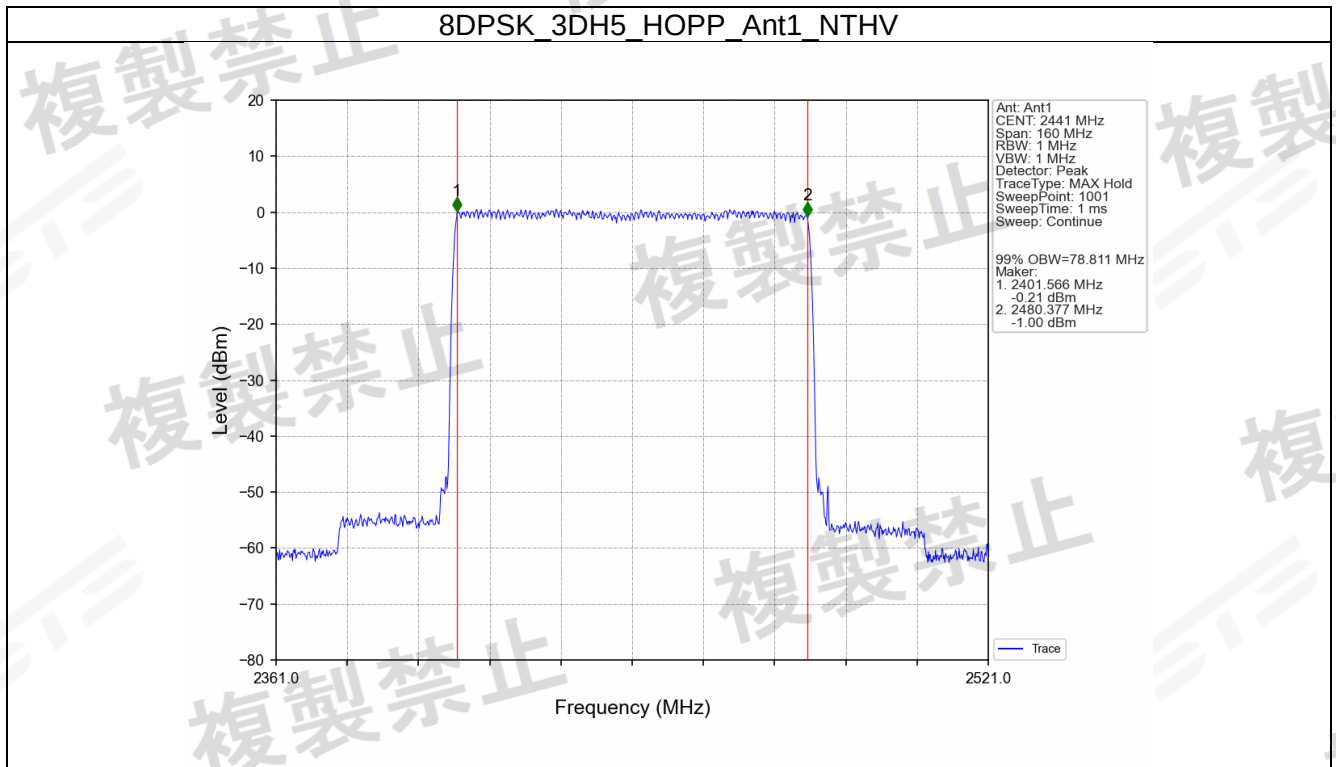


GFSK_DH5_HOPP_Ant1_NTHV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV







3. SPREAD BANDWIDTH

3.1 TEST RESULT

3.1.1 SPBW

ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Bandwidth (MHz)		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.483	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.589	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.628	/	Only For Report
NTLV	GFSK	SISO	HOPP	DH5	71.477	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.565	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.656	/	Only For Report
NTHV	GFSK	SISO	HOPP	DH5	71.495	/	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.585	/	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.488	/	Only For Report

3.1.2 SPREADFACTOR

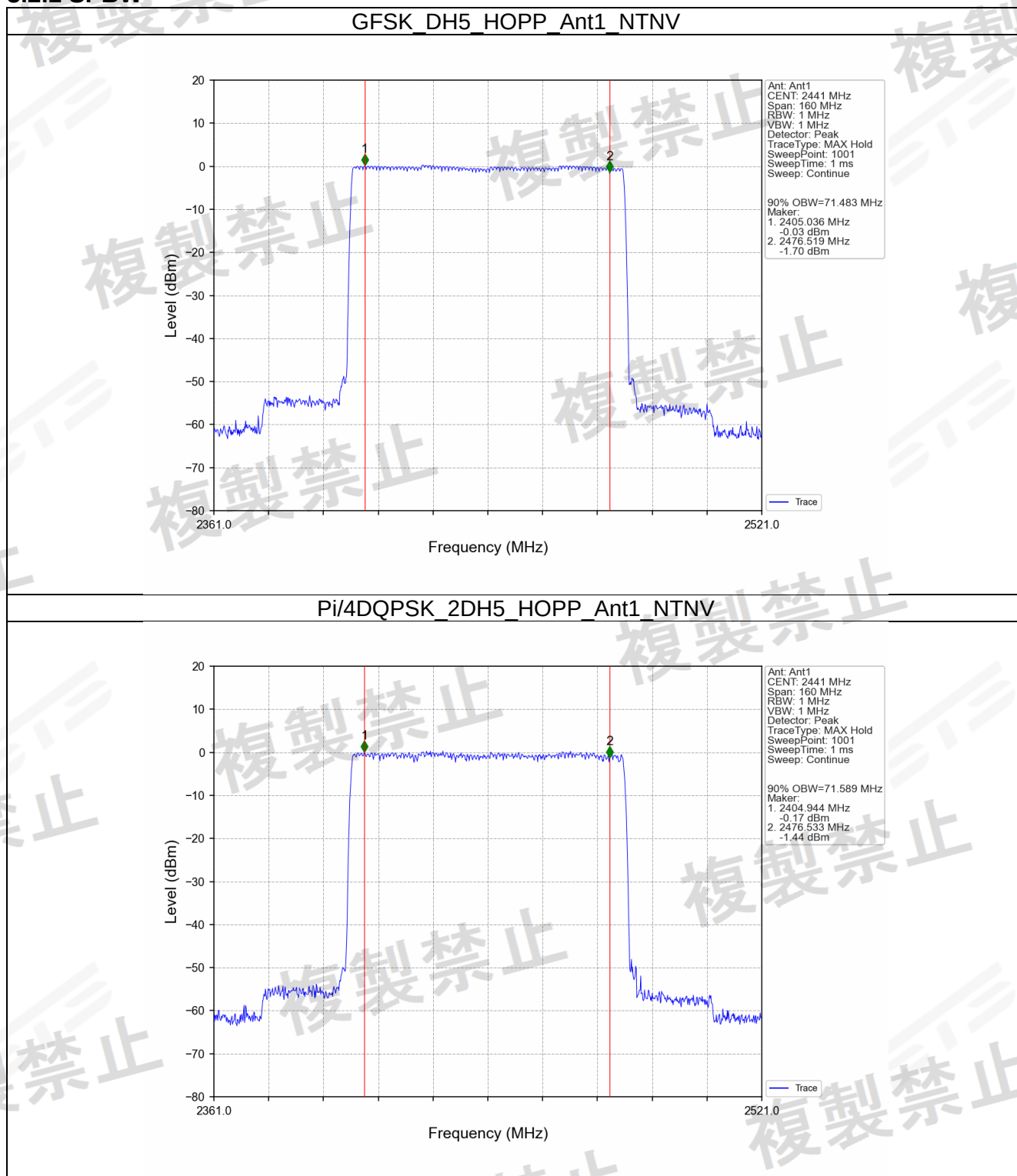
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spread Factor		Verdict
					ANT1	Limit	
NTNV	GFSK	SISO	HOPP	DH5	71.483	≥ 5	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.589	≥ 5	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.628	≥ 5	Only For Report
NTLV	GFSK	SISO	HOPP	DH5	71.477	≥ 5	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.565	≥ 5	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.656	≥ 5	Only For Report
NTHV	GFSK	SISO	HOPP	DH5	71.495	≥ 5	Only For Report
	Pi/4DQPSK	SISO	HOPP	2DH5	71.585	≥ 5	Only For Report
	8DPSK	SISO	HOPP	3DH5	71.488	≥ 5	Only For Report

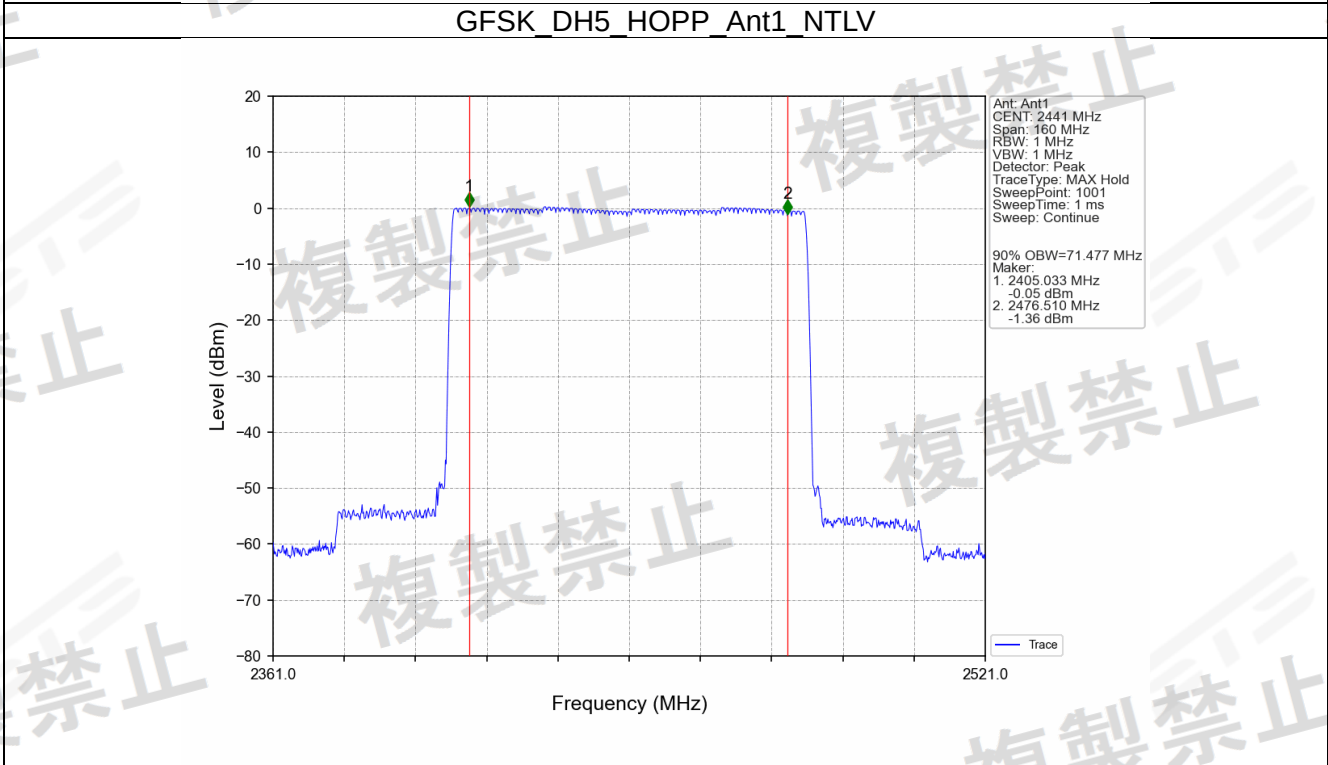
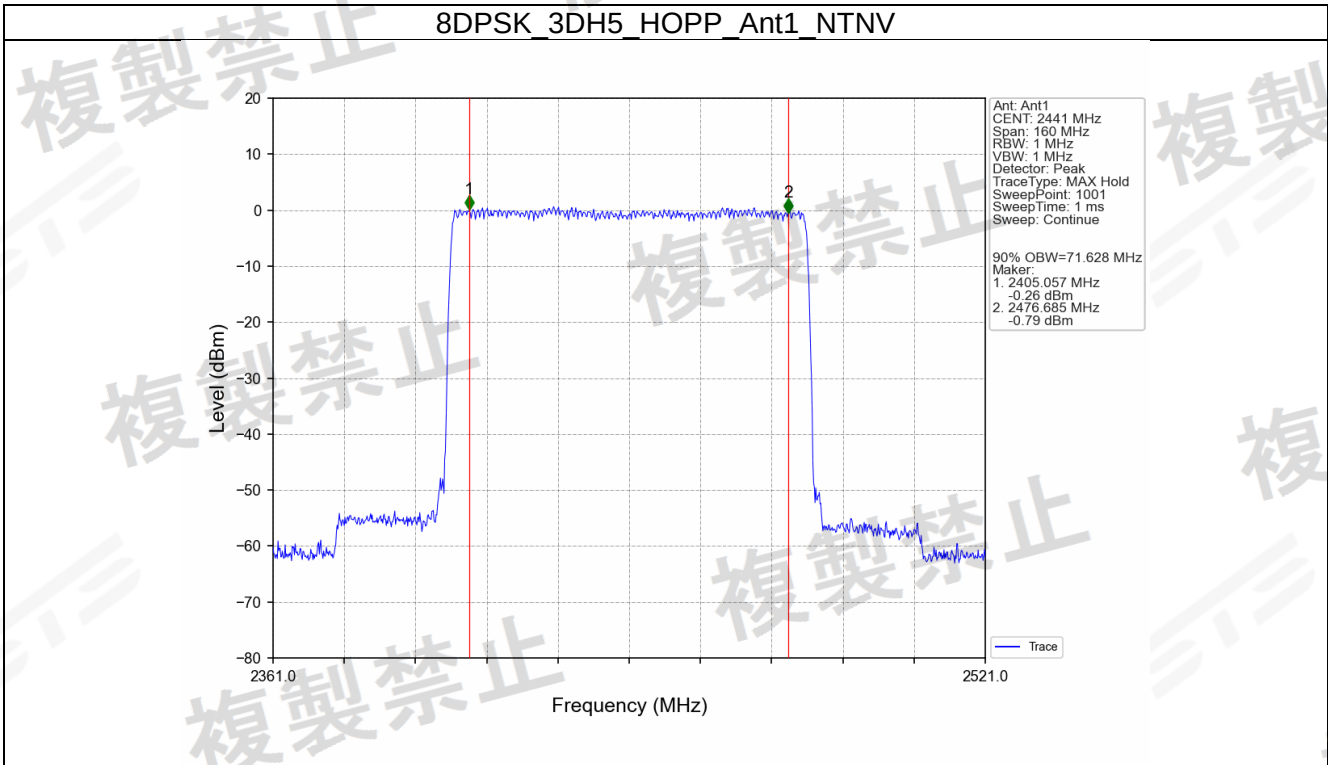
Note1: Spread Factor = Spread Bandwidth / Symbol Rate, For Bluetooth, Symbol Rate = 1



3.2 TEST GRAPH

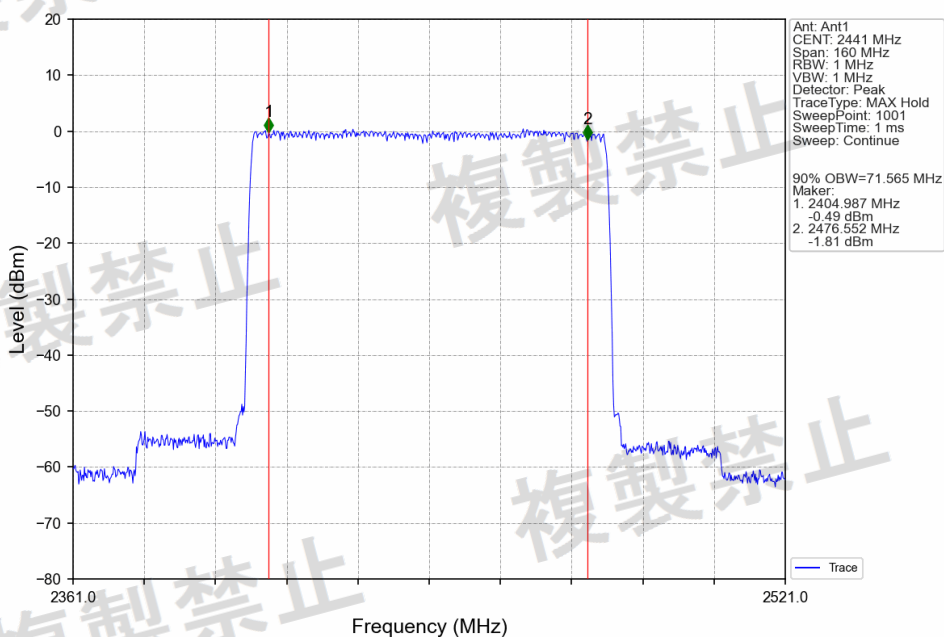
3.2.1 SPBW



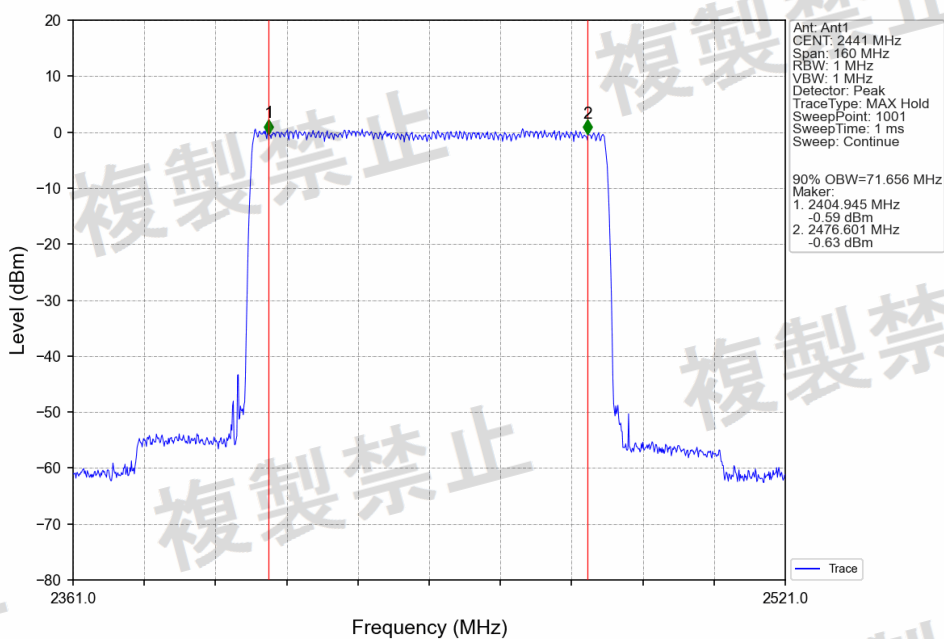




Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

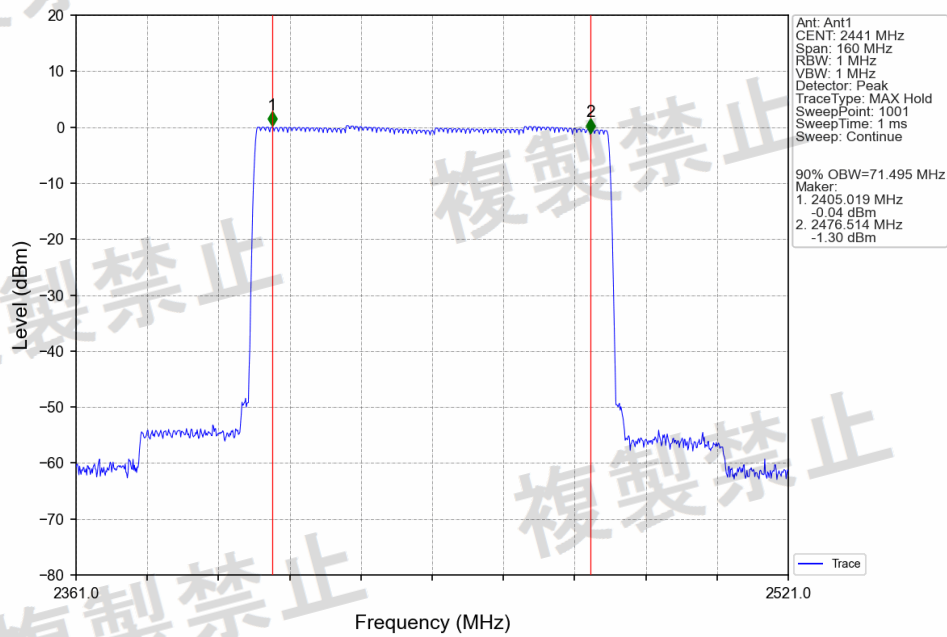


8DPSK_3DH5_HOPP_Ant1_NTLV

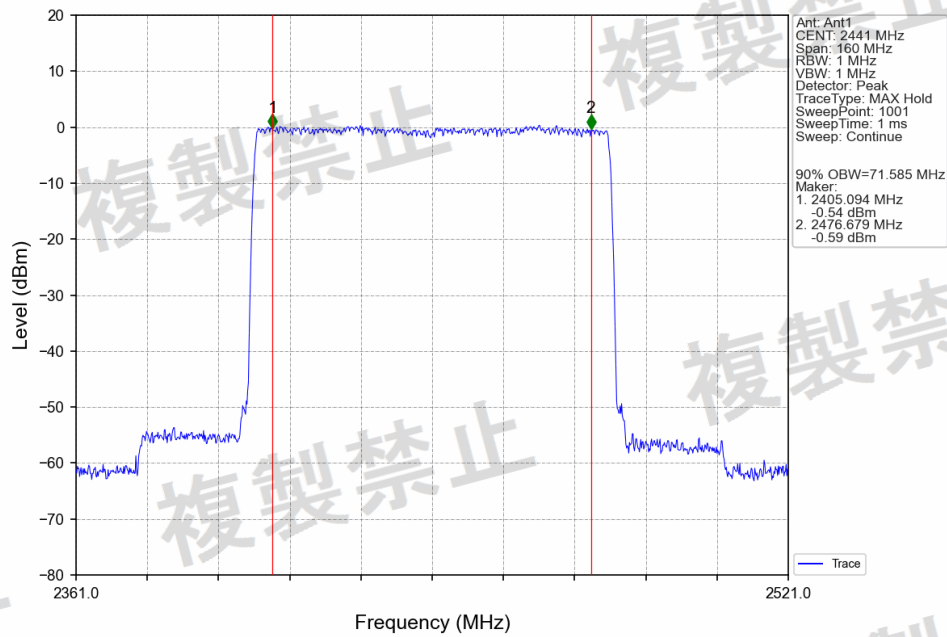


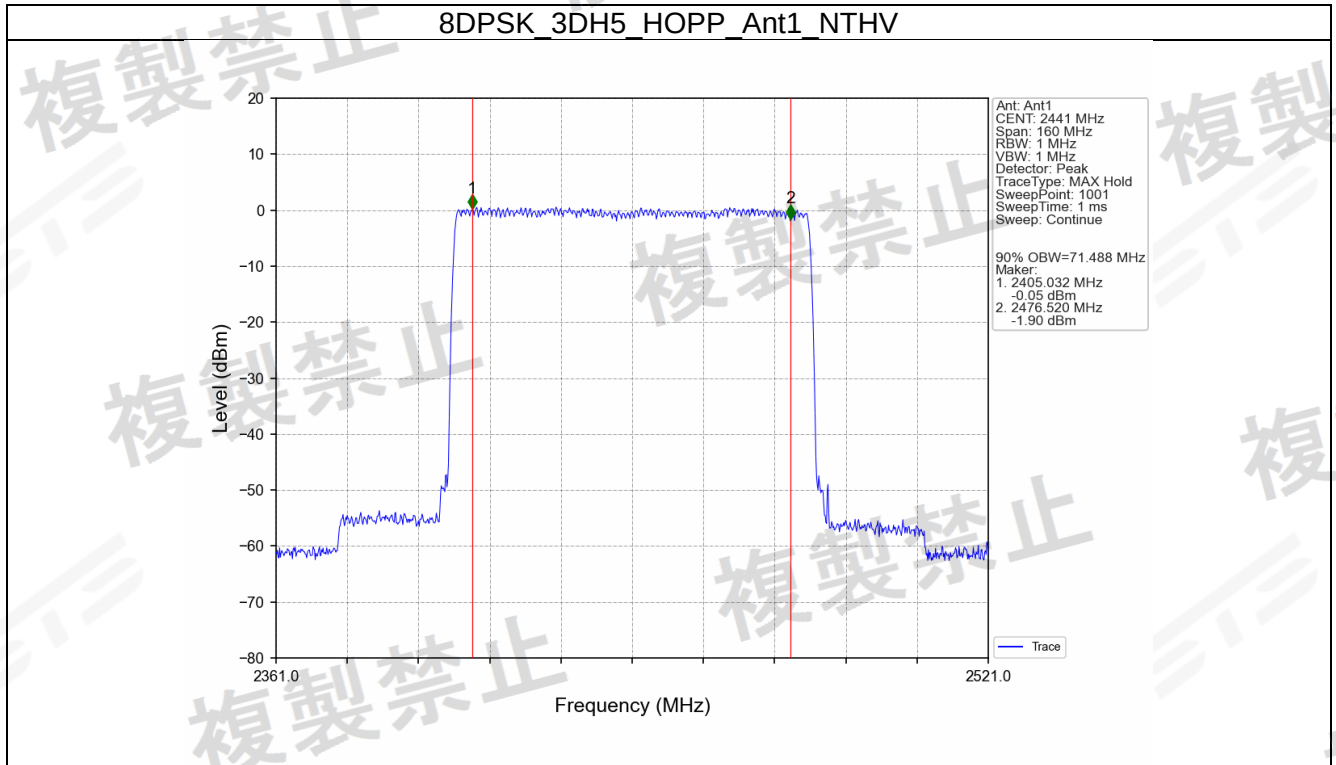


GFSK_DH5_HOPP_Ant1_NTHV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTHV







4. ANTENNA POWER

4.1 TEST RESULT

4.1.1 POWER

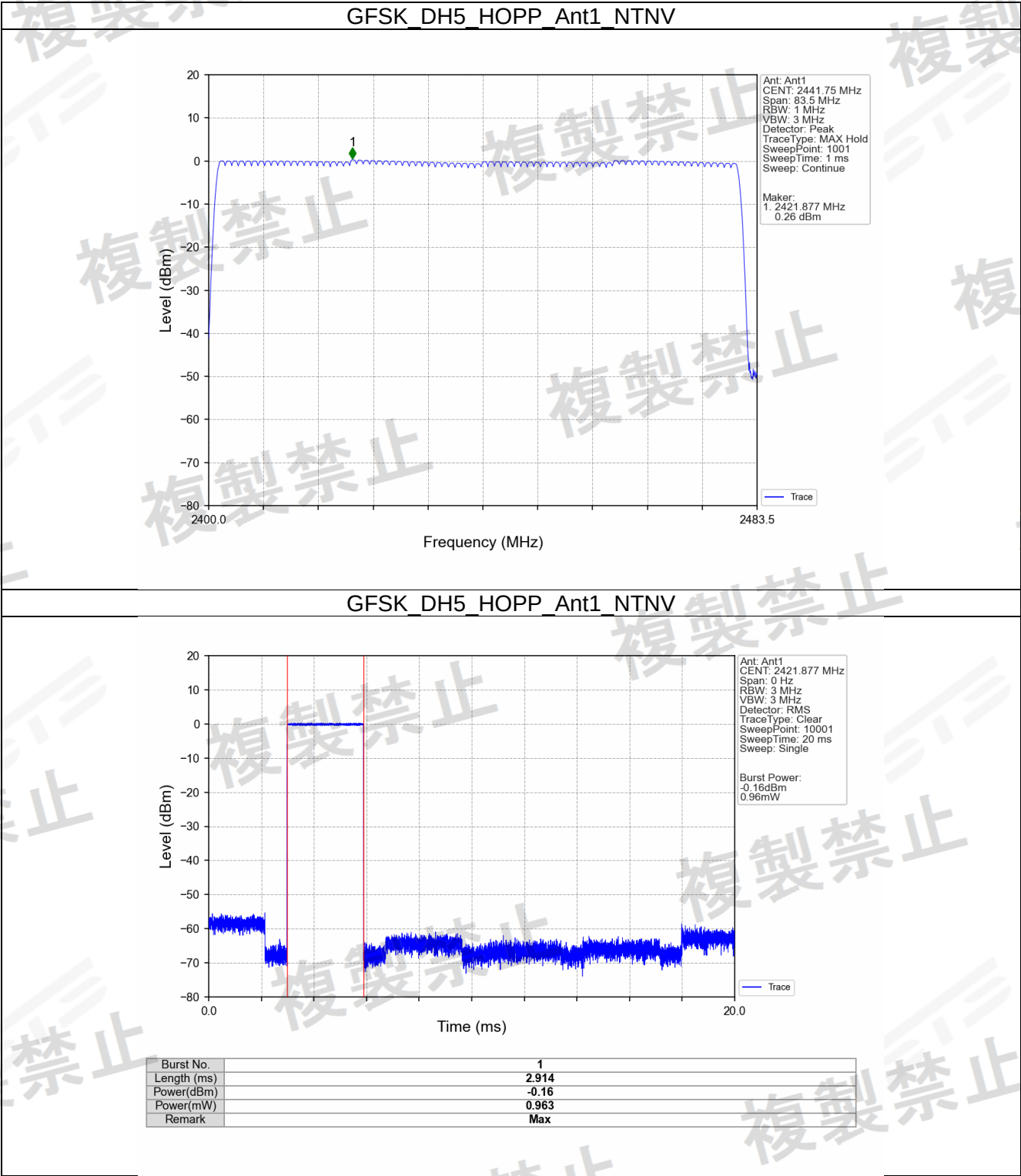
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Burst Power (mW)	Antenna Power (mW/MHz)		Nominal Power (mW/MHz)	Tolerance (%)		Verdict
							Measured	Limit		Measured	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	0.96	0.013	<=3.00	0.015	-13.33	20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.63	0.009	<=3.00	0.010	-10.00	20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.46	0.006	<=3.00	0.010	-40.00	20	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	0.96	0.013	<=3.00	0.015	-13.33	20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.64	0.009	<=3.00	0.010	-10.00	20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.46	0.006	<=3.00	0.010	-40.00	20	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	0.96	0.013	<=3.00	0.015	-13.33	20	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	0.51	0.007	<=3.00	0.010	-30.00	20	Pass
	8DPSK	SISO	HOPP	3DH5	1	0.62	0.009	<=3.00	0.010	-10.00	20	Pass

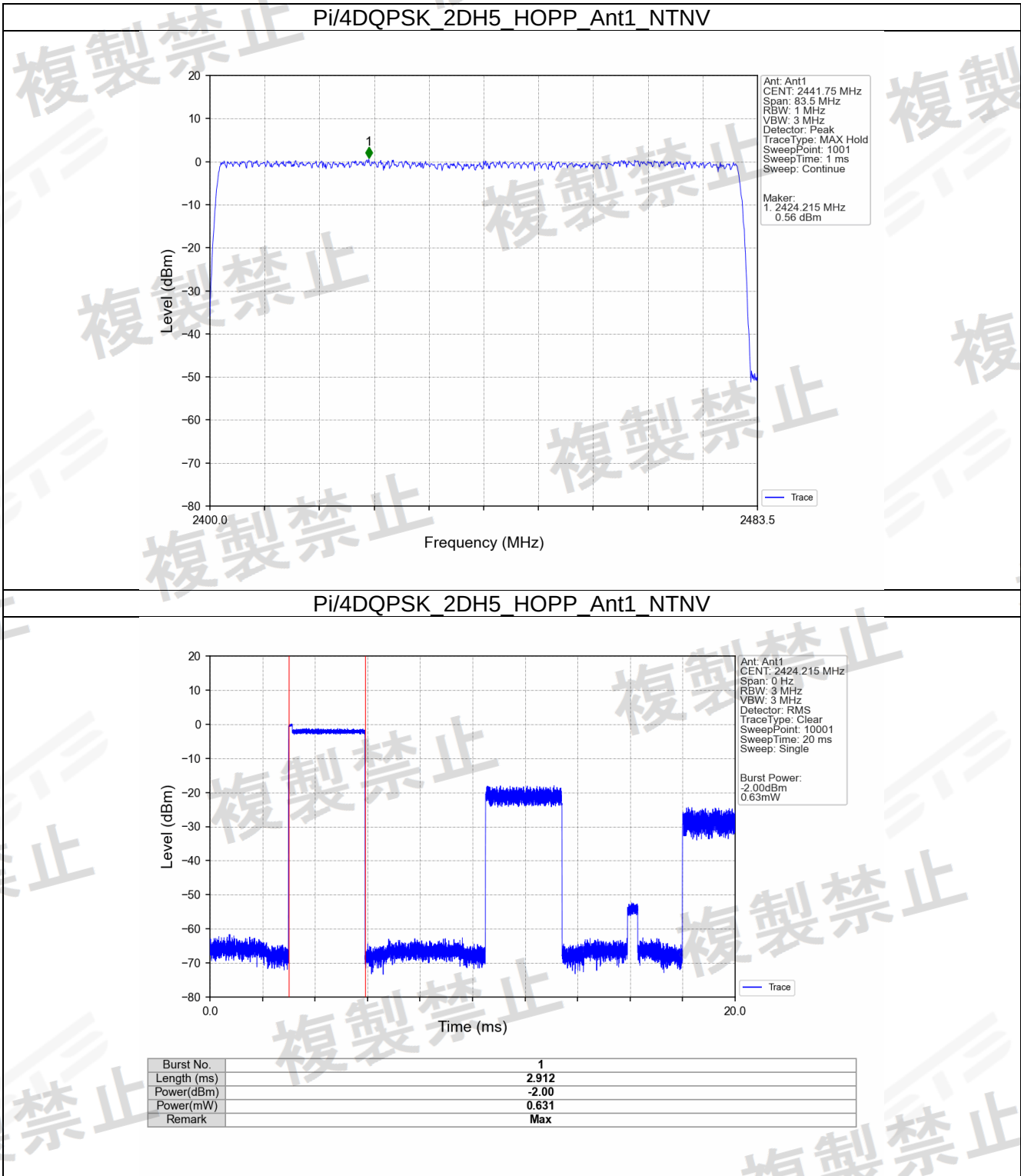
4.1.2 EIRP

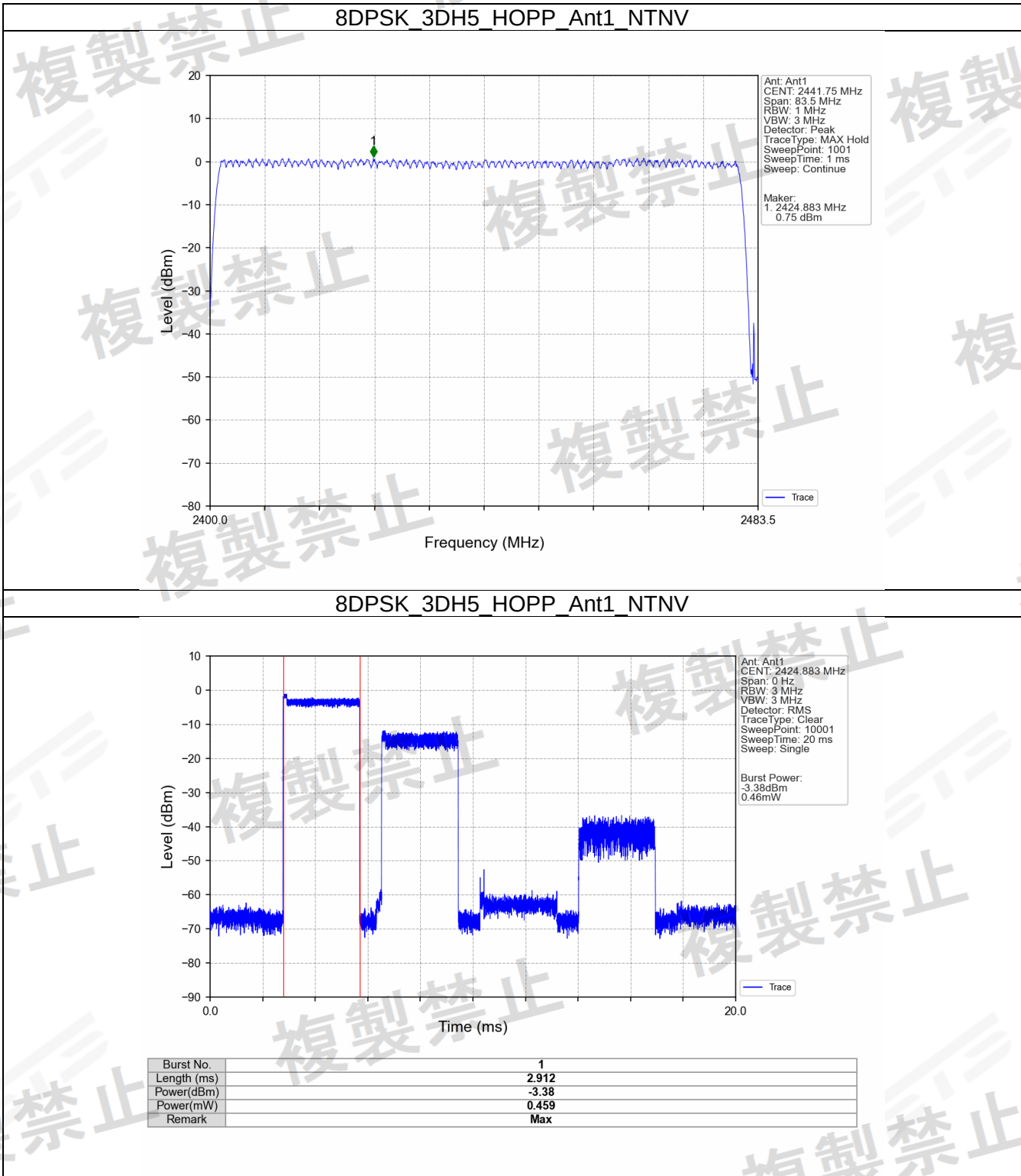
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Gain (dBi)	EIRP (dBm/MHz)		Verdict
							Result	Limit	
NTNV	GFSK	SISO	HOPP	DH5	1	2.07	-16.63	6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.07	-18.48	6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.07	-19.86	6.91	Pass
NTLV	GFSK	SISO	HOPP	DH5	1	2.07	-16.63	6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.07	-18.39	6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.07	-19.88	6.91	Pass
NTHV	GFSK	SISO	HOPP	DH5	1	2.07	-16.66	6.91	Pass
	Pi/4DQPSK	SISO	HOPP	2DH5	1	2.07	-19.43	6.91	Pass
	8DPSK	SISO	HOPP	3DH5	1	2.07	-18.56	6.91	Pass



4.2 TEST GRAPH
4.2.1 POWER

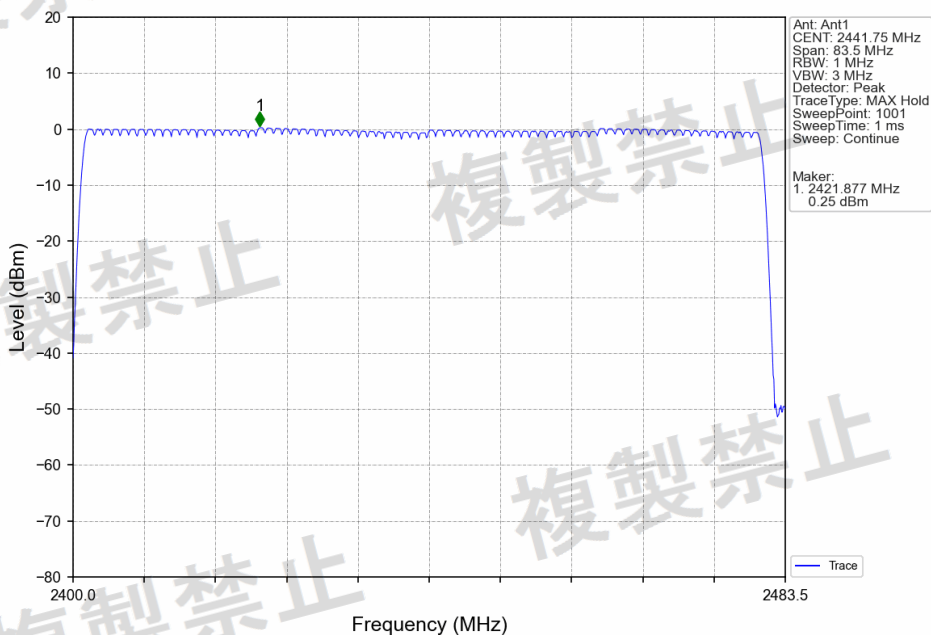




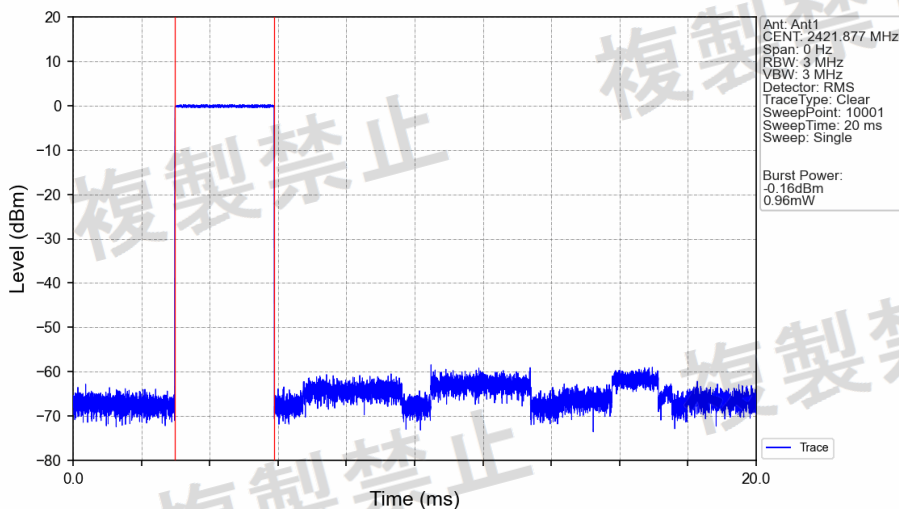




GFSK_DH5_HOPP_Ant1_NTLV



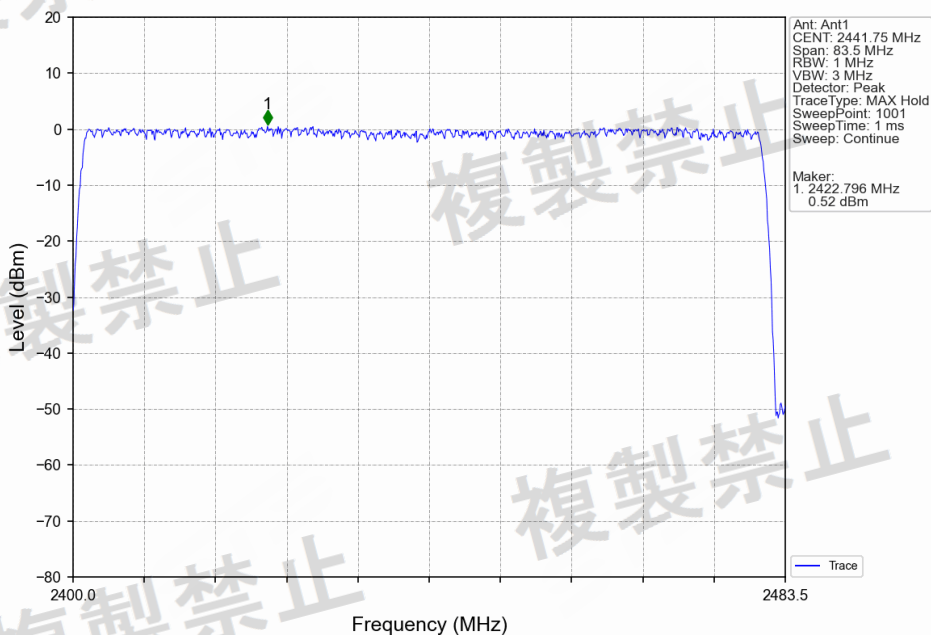
GFSK_DH5_HOPP_Ant1_NTLV



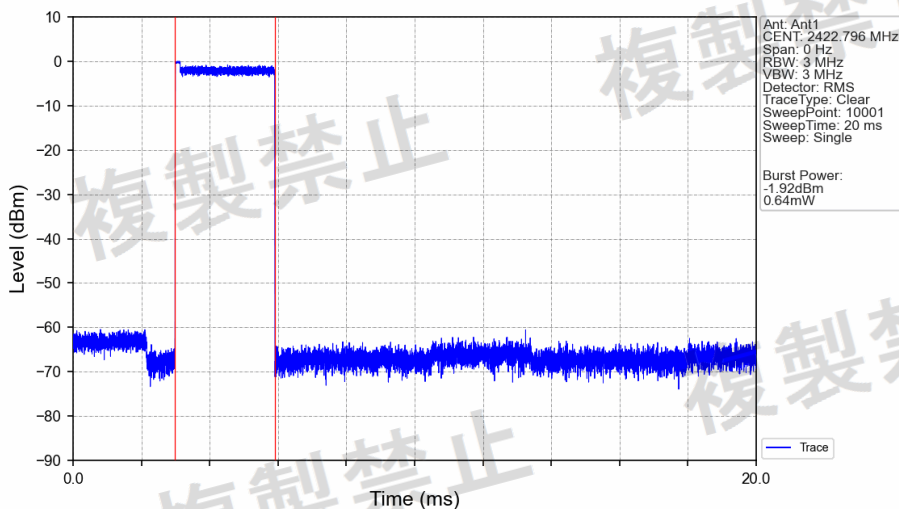
Burst No.	1
Length (ms)	2.914
Power(dBm)	-0.16
Power(mW)	0.963
Remark	Max



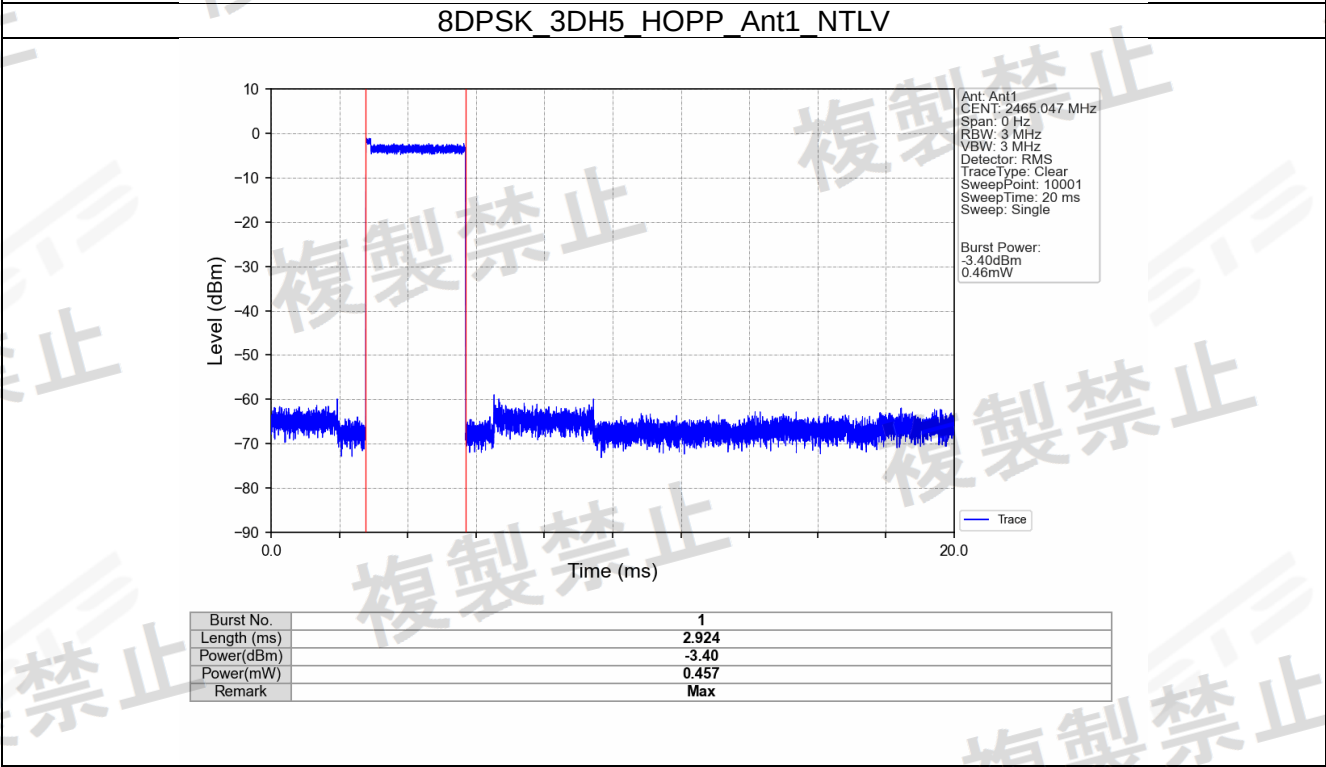
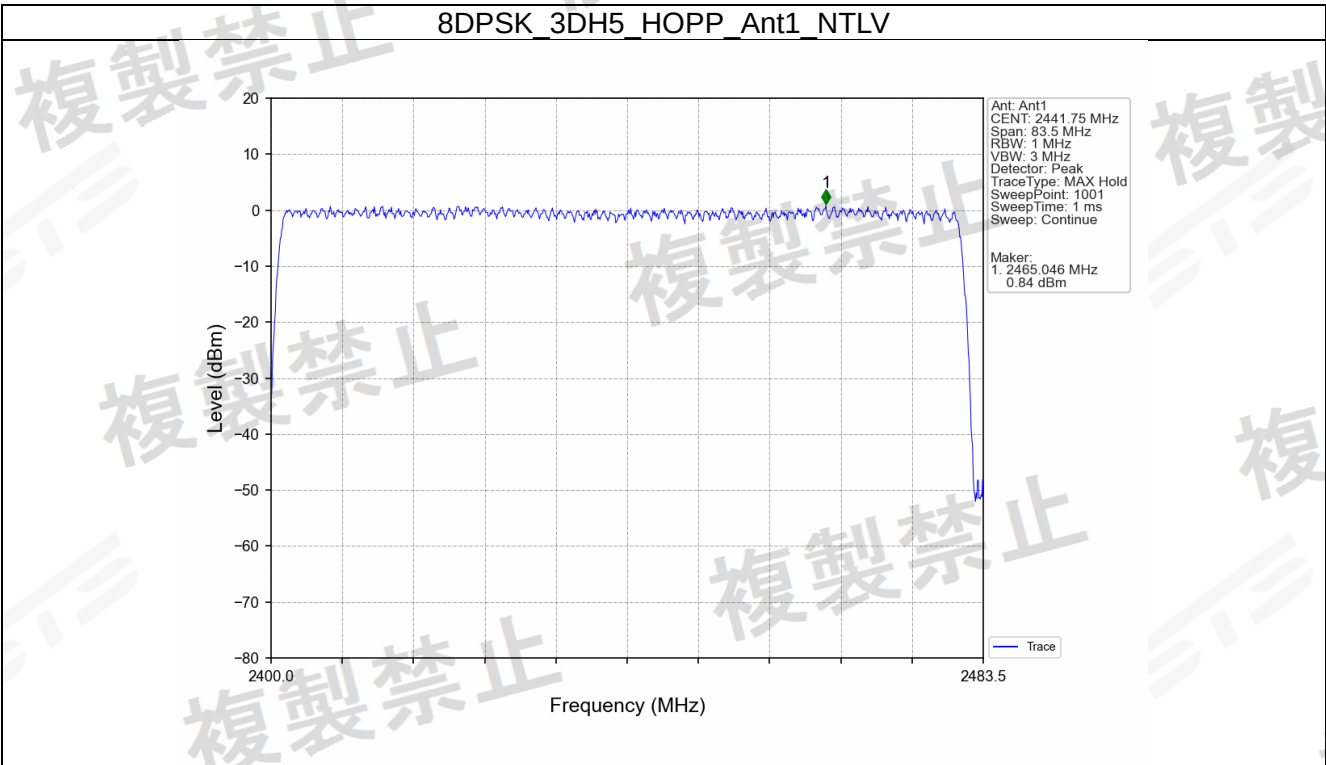
Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

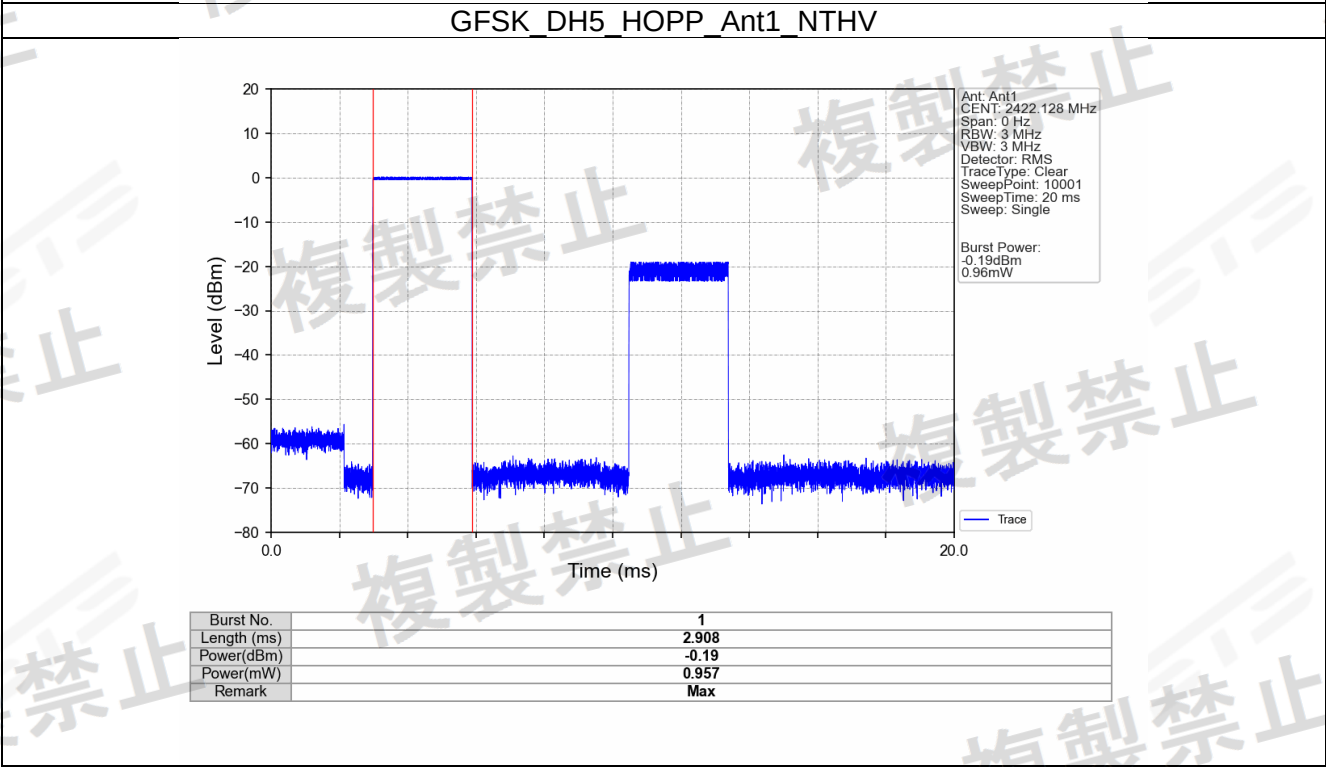
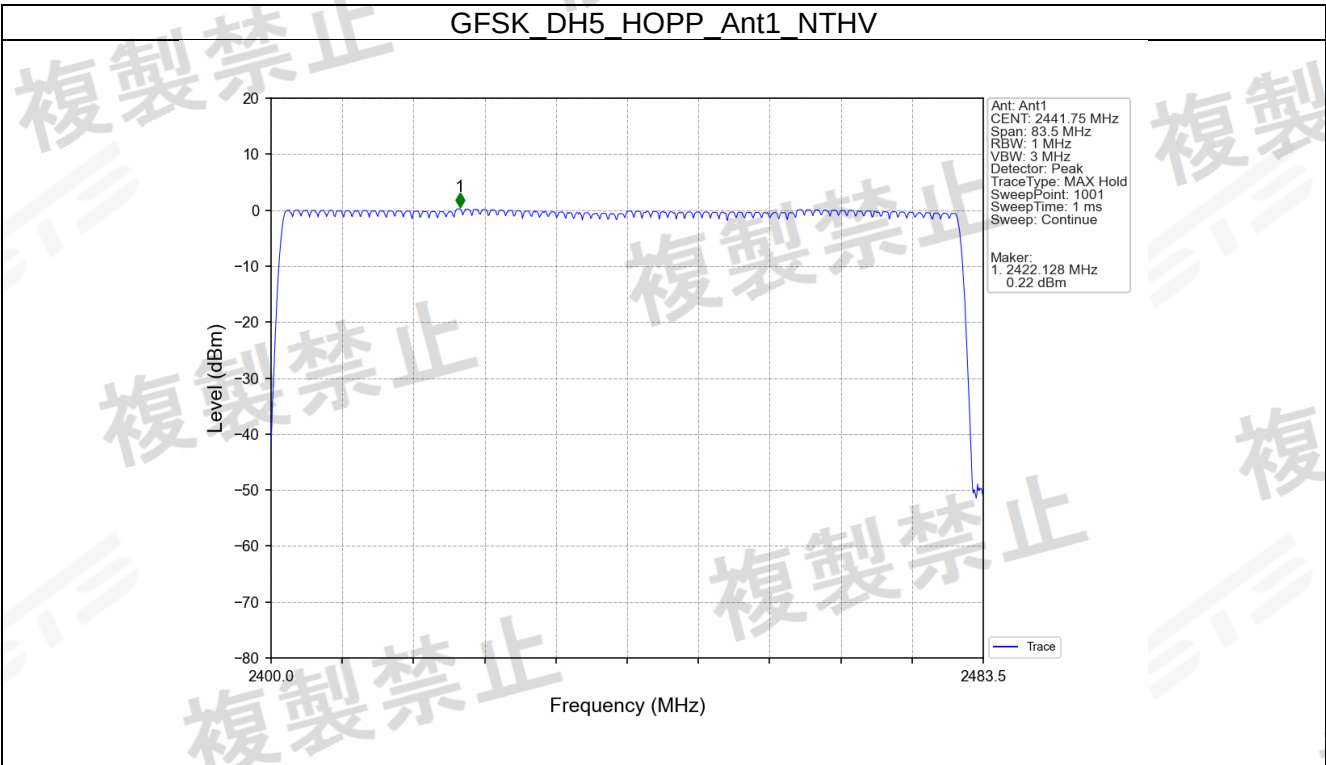


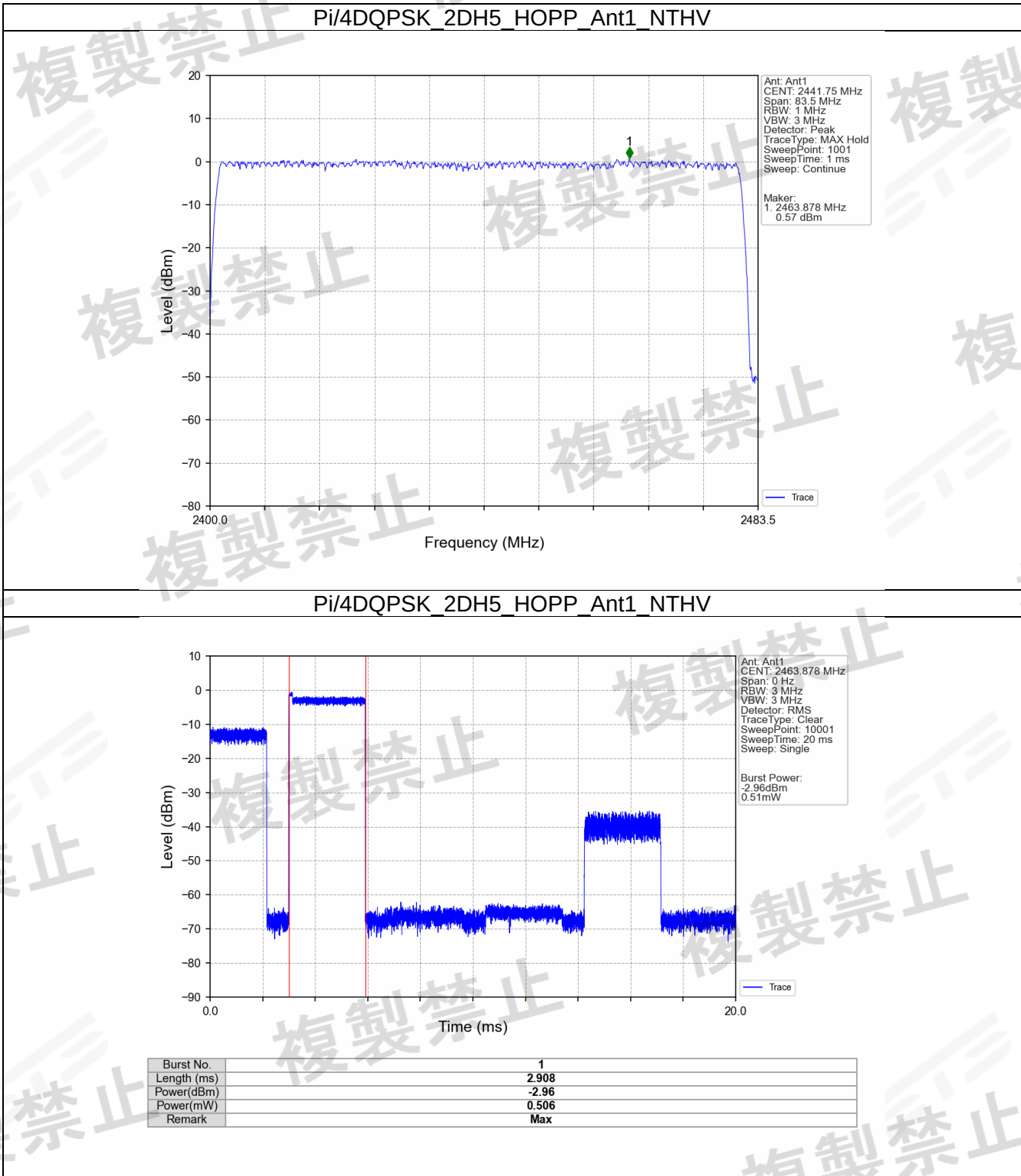
Pi/4DQPSK_2DH5_HOPP_Ant1_NTLV

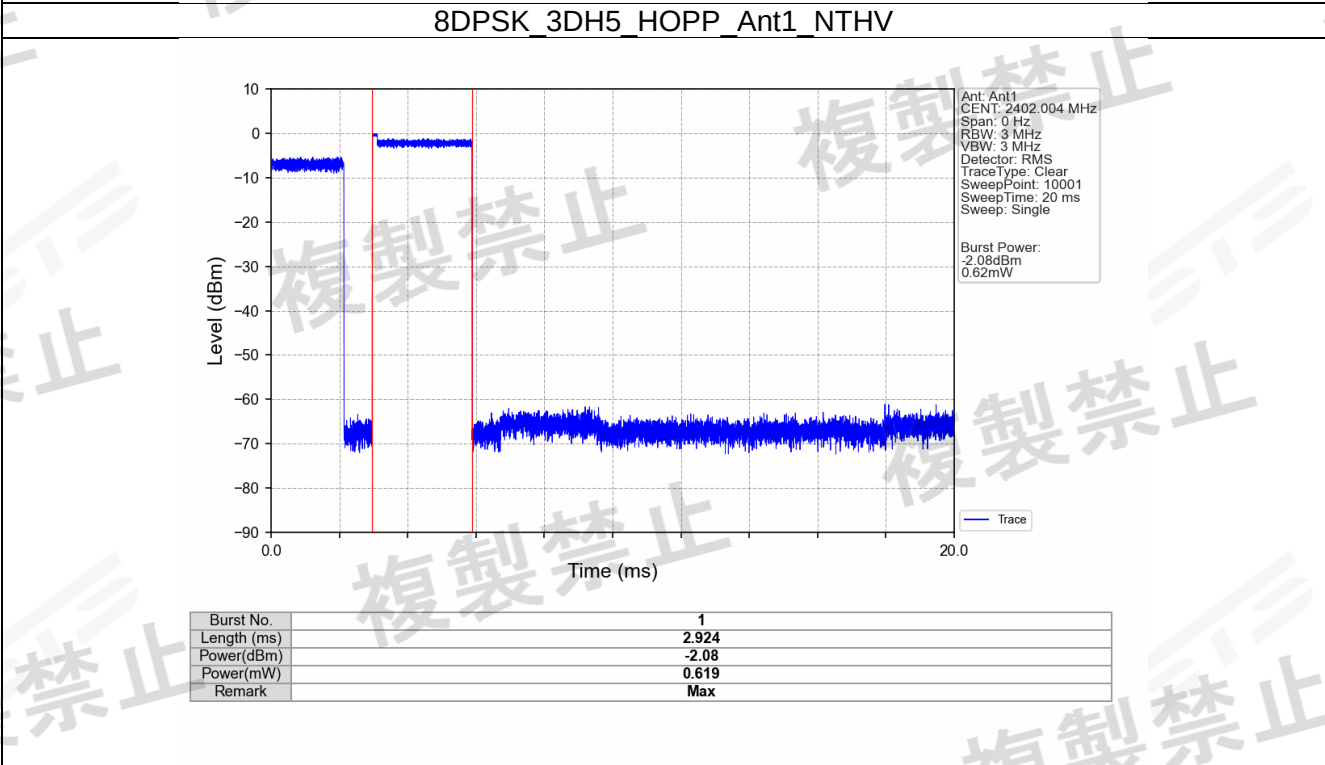
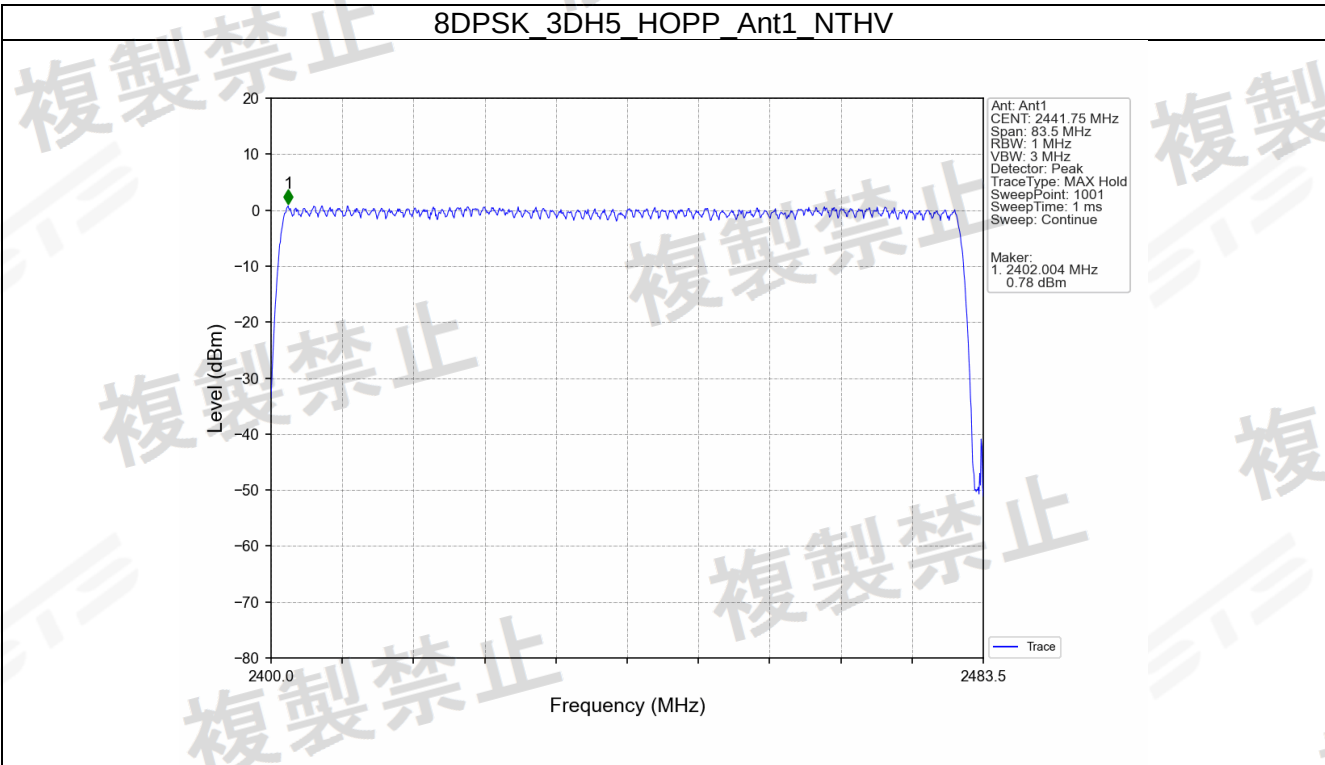


Burst No.	1
Length (ms)	2.920
Power(dBm)	-1.92
Power(mW)	0.643
Remark	Max











5. DWELL TIME

5.1 TEST RESULT

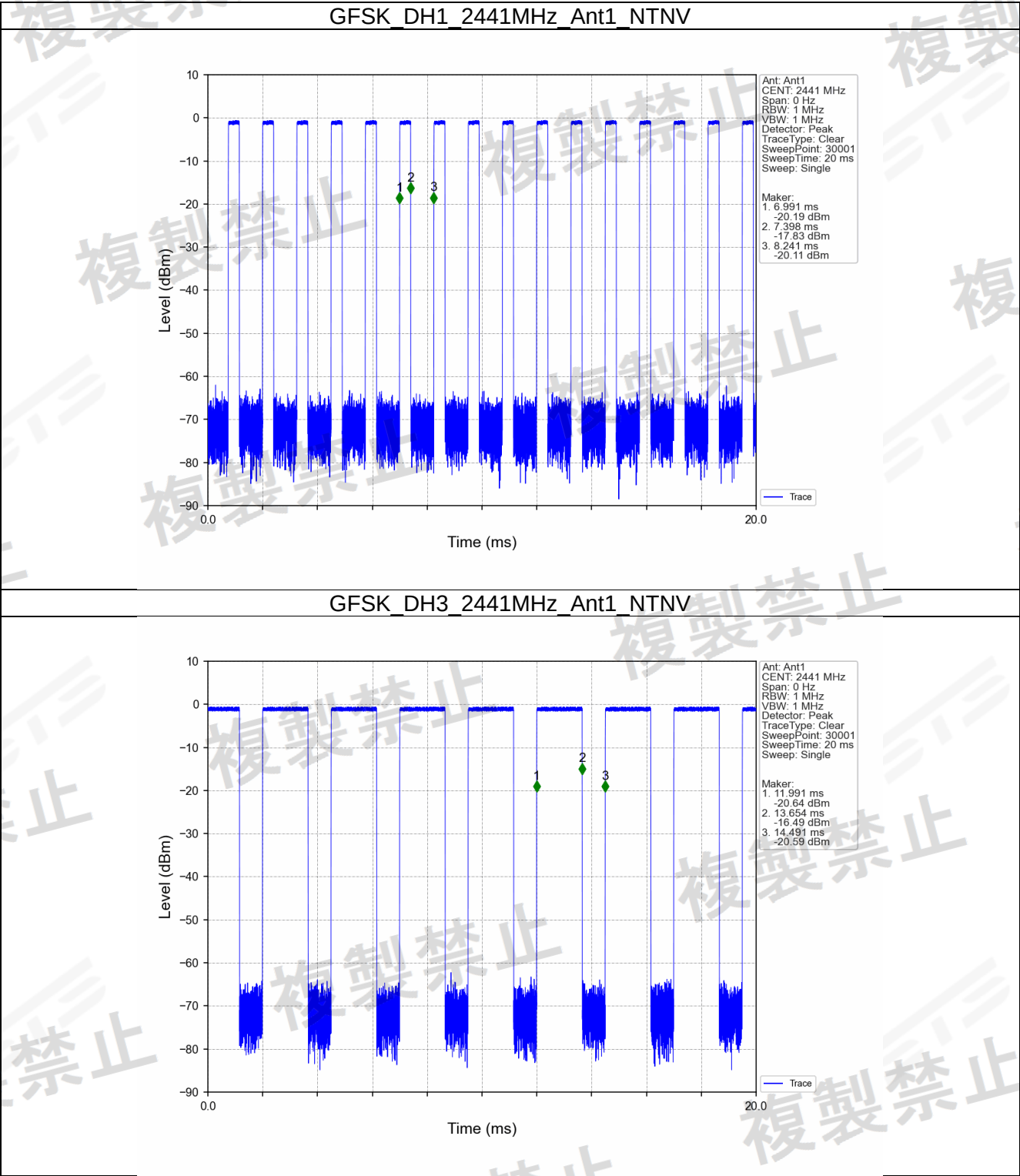
5.1.1 ANT1

Ant1											
ENV	Mode	TX Type	Frequency (MHz)	Packet Type	Spreading Rate	T _{on} (ms)	Period (ms)	Hopp Number	Dwell Time (ms)		Verdict
NTNV	GFSK	SISO	2441	DH1	71.483	0.407	1.250	79	117.847	<=400	Pass
				DH3	71.483	1.663	2.500	79	240.762	<=400	Pass
				DH5	71.483	2.912	3.750	79	281.058	<=400	Pass
	Pi/4DQPSK	SISO	2441	2DH1	71.589	0.418	1.250	79	121.212	<=400	Pass
				2DH3	71.589	1.669	2.500	79	241.989	<=400	Pass
				2DH5	71.589	2.917	3.750	79	281.958	<=400	Pass
	8DPSK	SISO	2441	3DH1	71.628	0.419	1.250	79	121.568	<=400	Pass
				3DH3	71.628	1.669	2.500	79	242.121	<=400	Pass
				3DH5	71.628	2.920	3.750	79	282.402	<=400	Pass
NTLV	GFSK	SISO	2441	DH1	71.477	0.408	1.250	79	118.127	<=400	Pass
				DH3	71.477	1.664	2.500	79	240.887	<=400	Pass
				DH5	71.477	2.911	3.750	79	280.938	<=400	Pass
	Pi/4DQPSK	SISO	2441	2DH1	71.565	0.418	1.250	79	121.171	<=400	Pass
				2DH3	71.565	1.669	2.500	79	241.908	<=400	Pass
				2DH5	71.565	2.916	3.750	79	281.767	<=400	Pass
	8DPSK	SISO	2441	3DH1	71.656	0.418	1.250	79	121.325	<=400	Pass
				3DH3	71.656	1.669	2.500	79	242.215	<=400	Pass
				3DH5	71.656	2.920	3.750	79	282.512	<=400	Pass
NTHV	GFSK	SISO	2441	DH1	71.495	0.408	1.250	79	118.157	<=400	Pass
				DH3	71.495	1.663	2.500	79	240.802	<=400	Pass
				DH5	71.495	2.911	3.750	79	281.009	<=400	Pass
	Pi/4DQPSK	SISO	2441	2DH1	71.585	0.417	1.250	79	120.915	<=400	Pass
				2DH3	71.585	1.669	2.500	79	241.975	<=400	Pass
				2DH5	71.585	2.917	3.750	79	281.942	<=400	Pass
	8DPSK	SISO	2441	3DH1	71.488	0.419	1.250	79	121.331	<=400	Pass
				3DH3	71.488	1.668	2.500	79	241.503	<=400	Pass
				3DH5	71.488	2.920	3.750	79	281.850	<=400	Pass

Note: Result = spreading rate / 79 * duty cycle * 400ms
duty cycle = T_{on} / Period

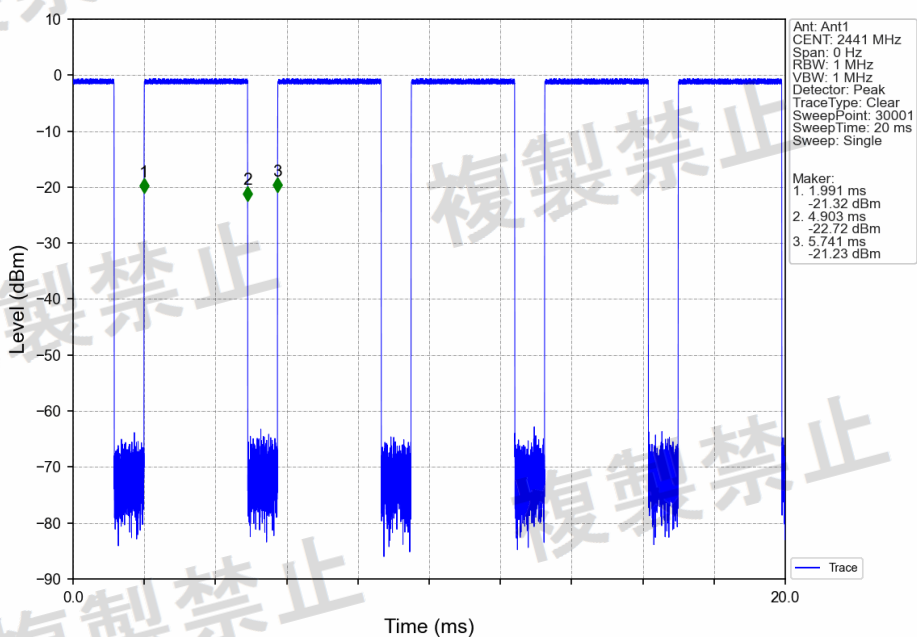


5.2 TEST GRAPH
5.2.1 ANT1

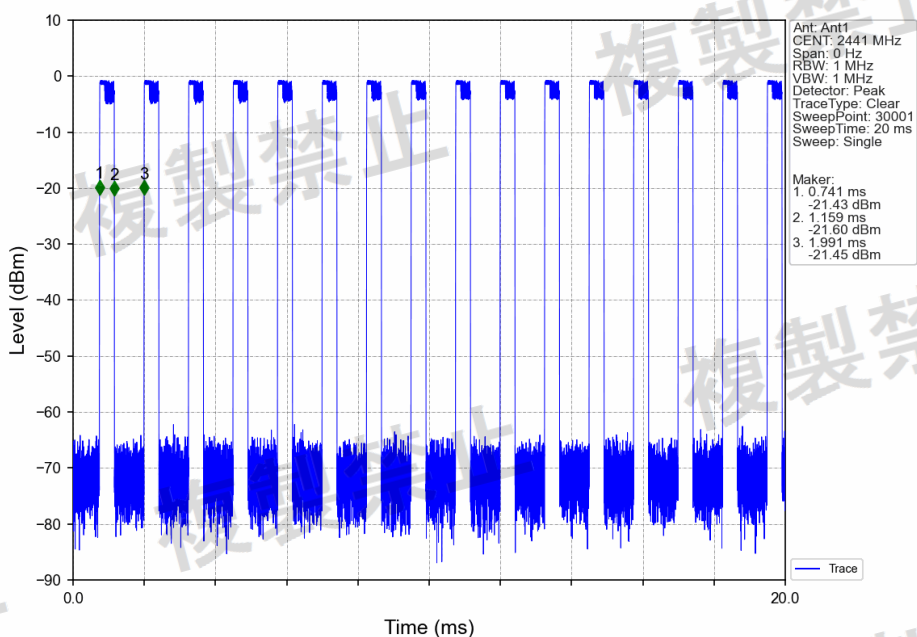




GFSK_DH5_2441MHz_Ant1_NTNV

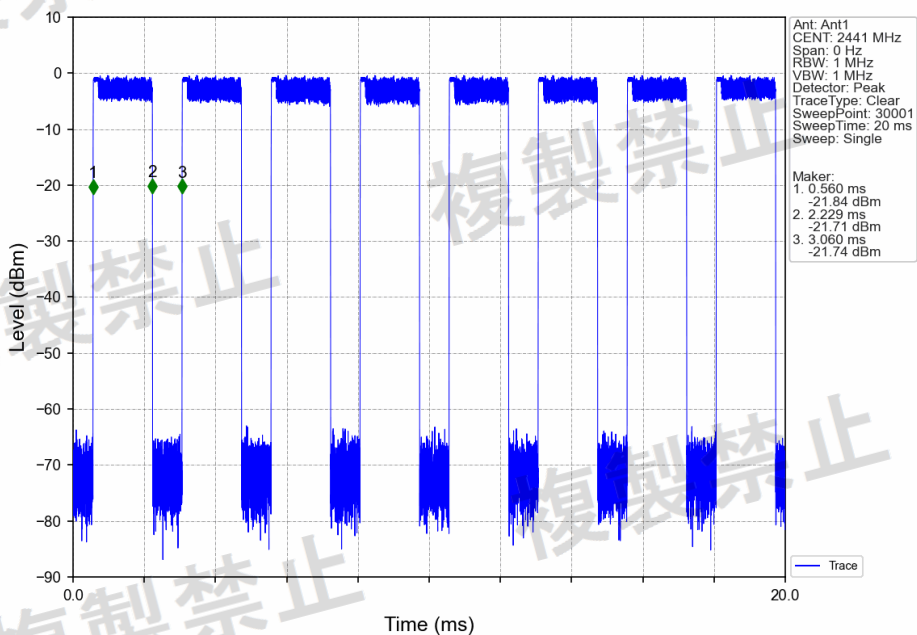


Pi/4DQPSK_2DH1_2441MHz_Ant1_NTNV

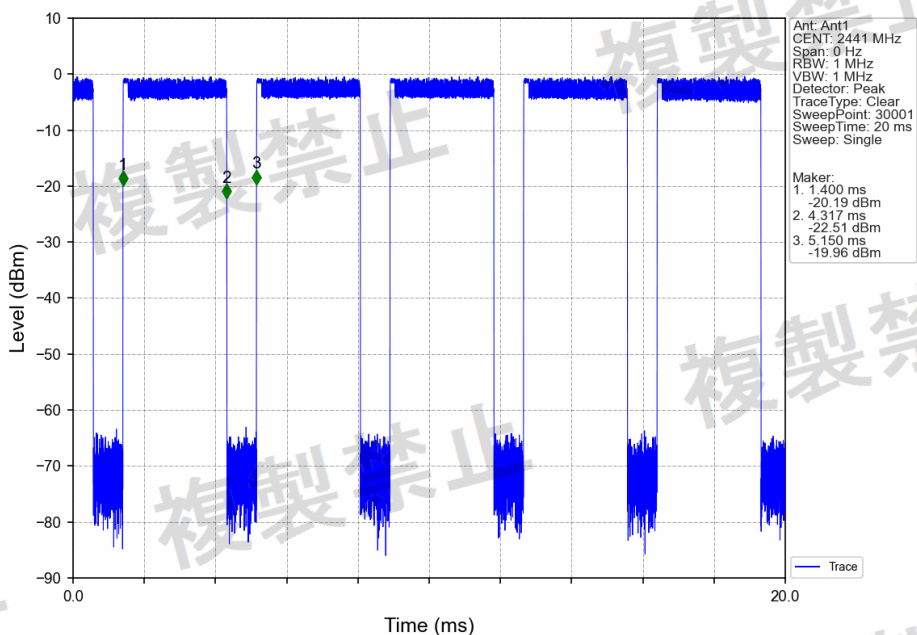




Pi/4DQPSK_2DH3_2441MHz_Ant1_NTNV

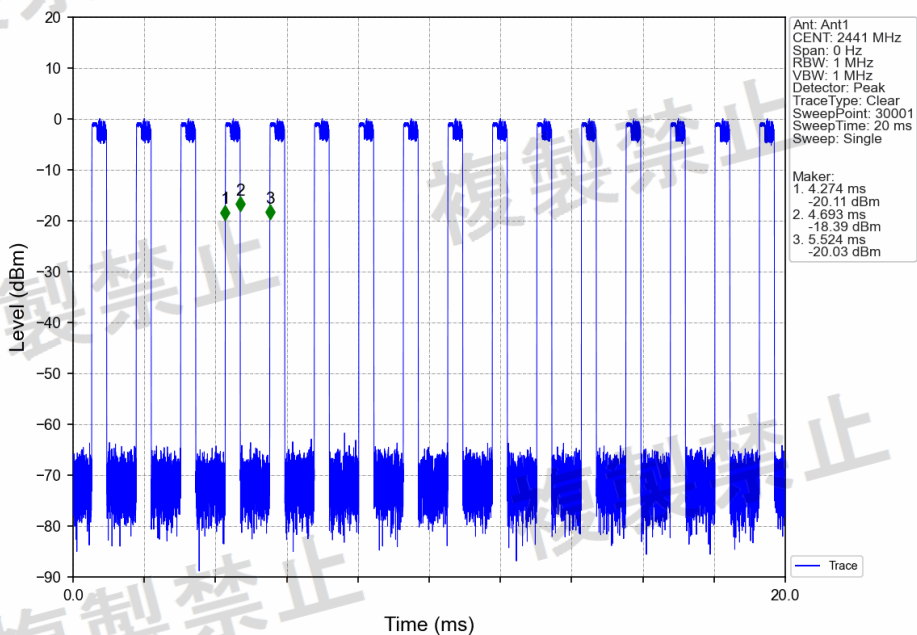


Pi/4DQPSK_2DH5_2441MHz_Ant1_NTNV

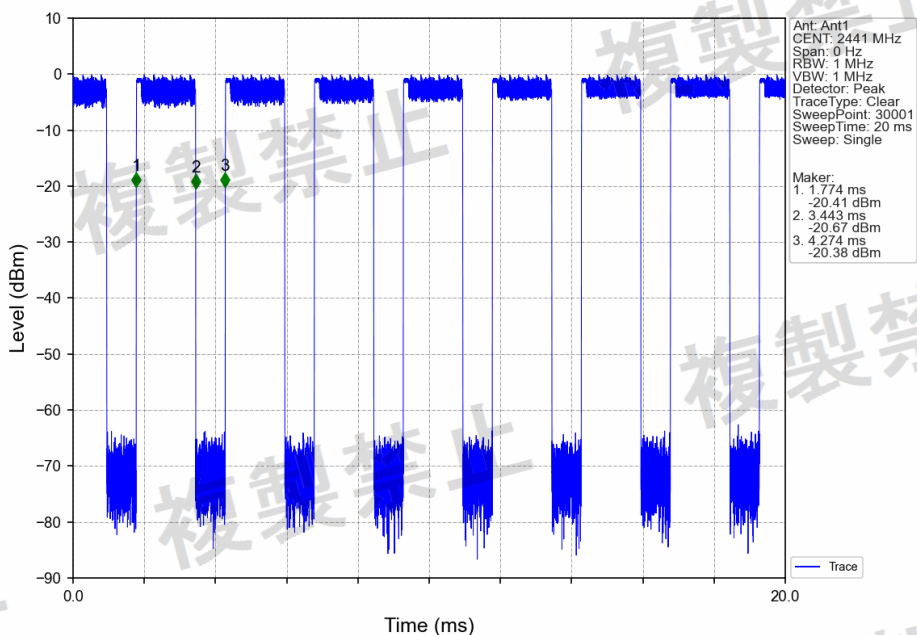




8DPSK_3DH1_2441MHz_Ant1_NTNV

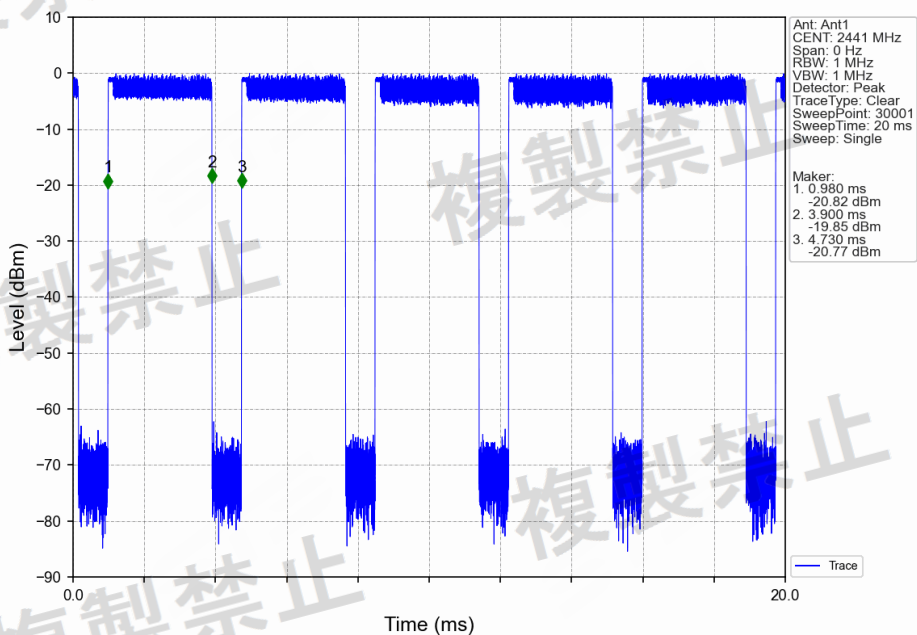


8DPSK_3DH3_2441MHz_Ant1_NTNV

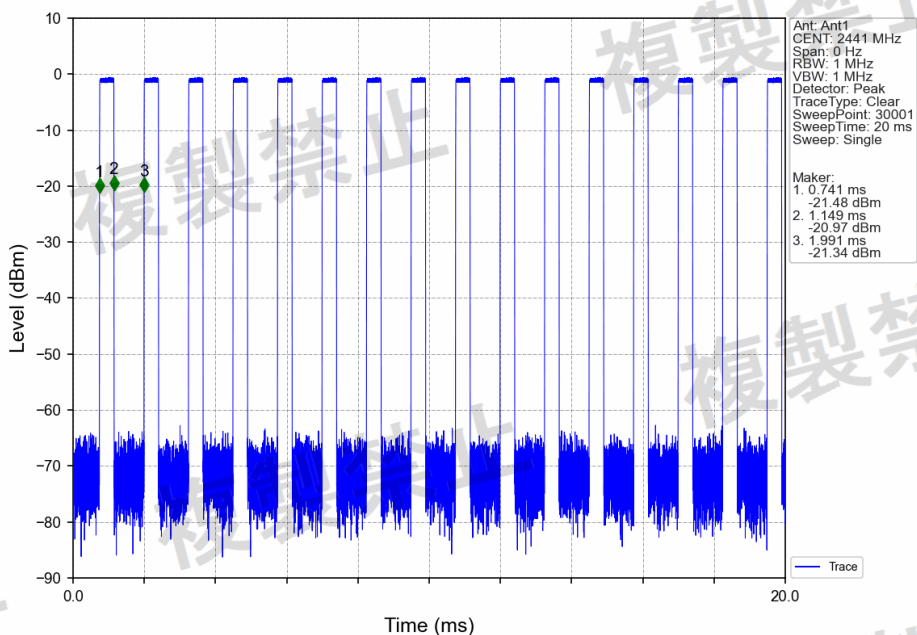




8DPSK_3DH5_2441MHz_Ant1_NTNV

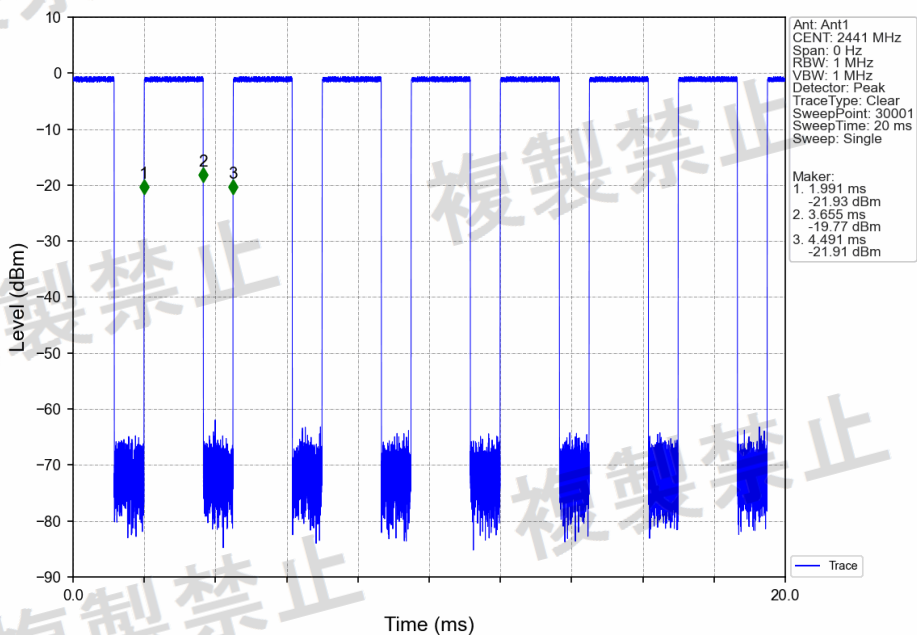


GFSK_DH1_2441MHz_Ant1_NTLV

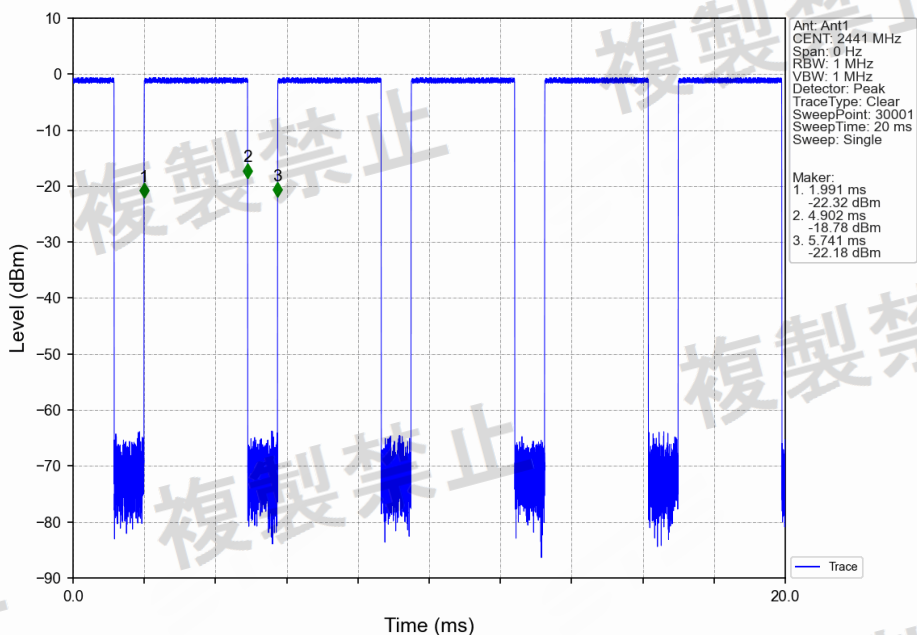




GFSK_DH3_2441MHz_Ant1_NTLV

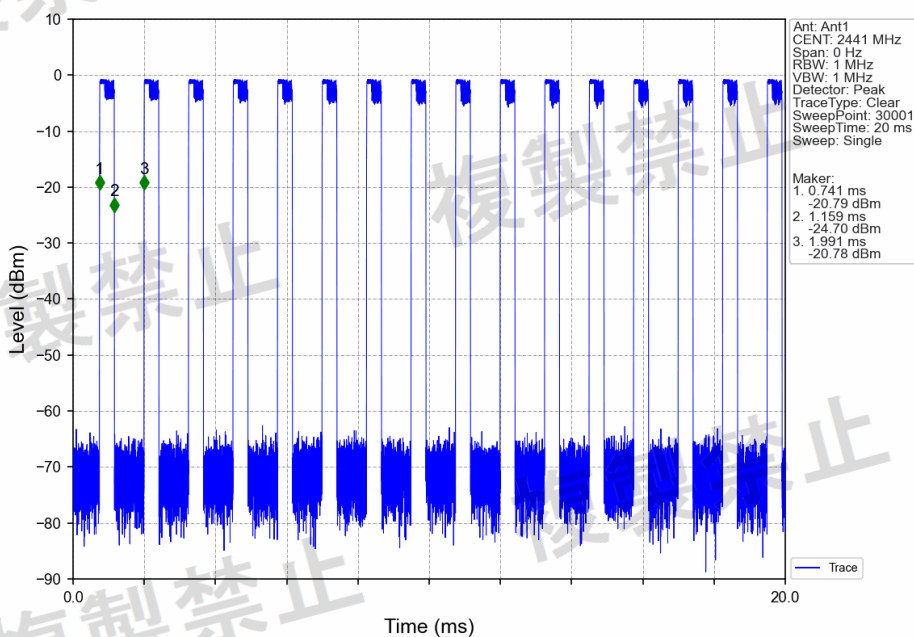


GFSK_DH5_2441MHz_Ant1_NTLV

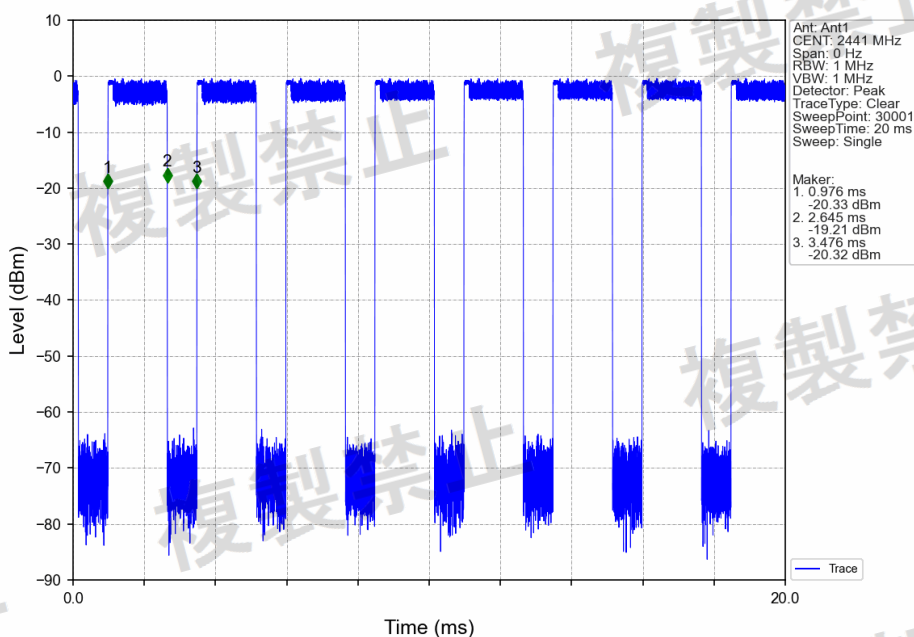




Pi/4DQPSK_2DH1_2441MHz_Ant1_NTLV

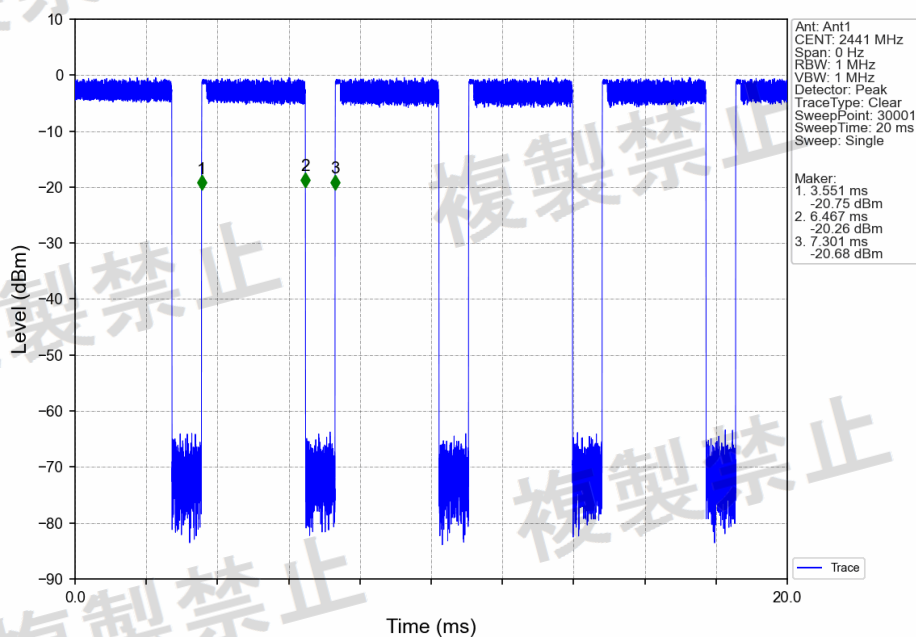


Pi/4DQPSK_2DH3_2441MHz_Ant1_NTLV

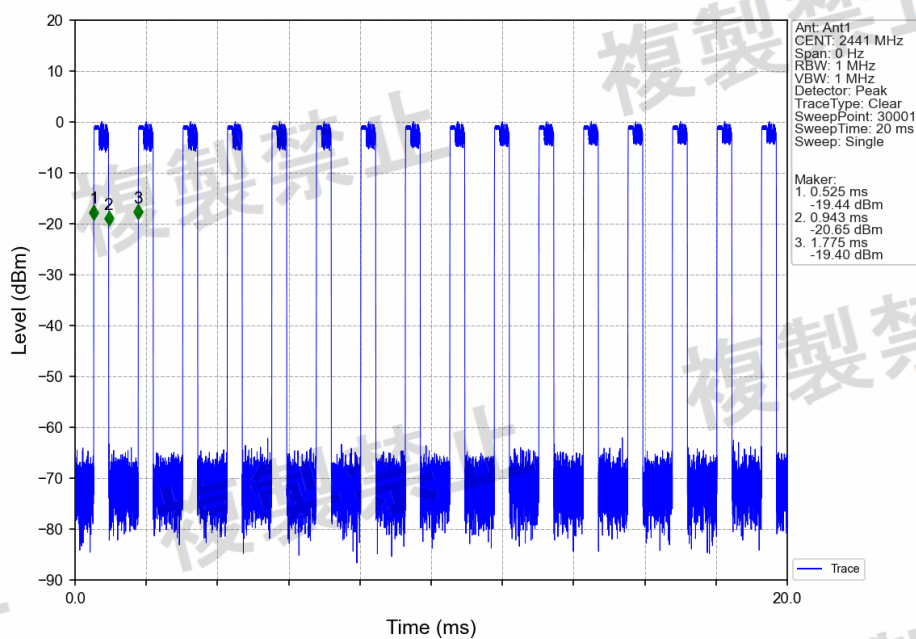




Pi/4DQPSK_2DH5_2441MHz_Ant1_NTLV

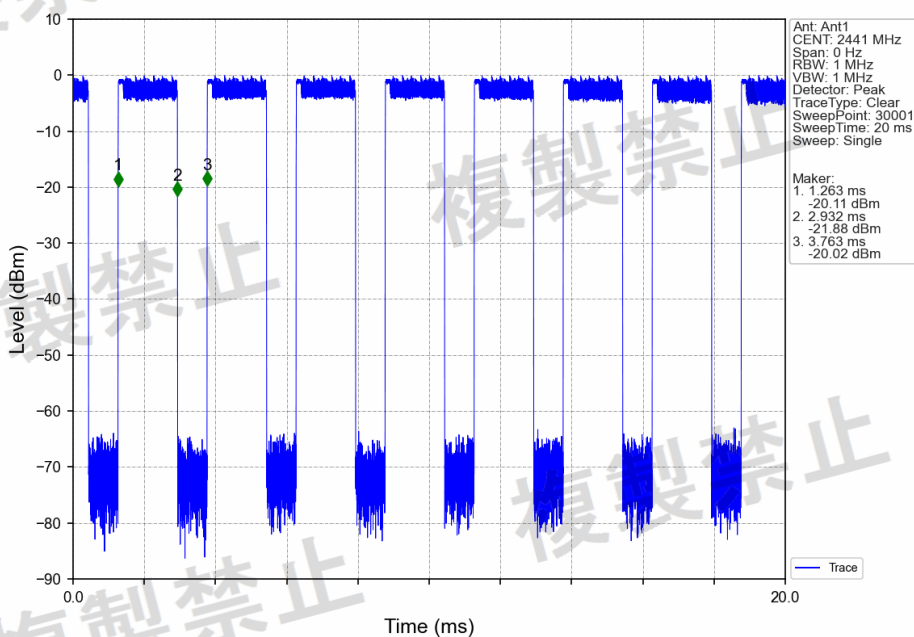


8DPSK_3DH1_2441MHz_Ant1_NTLV

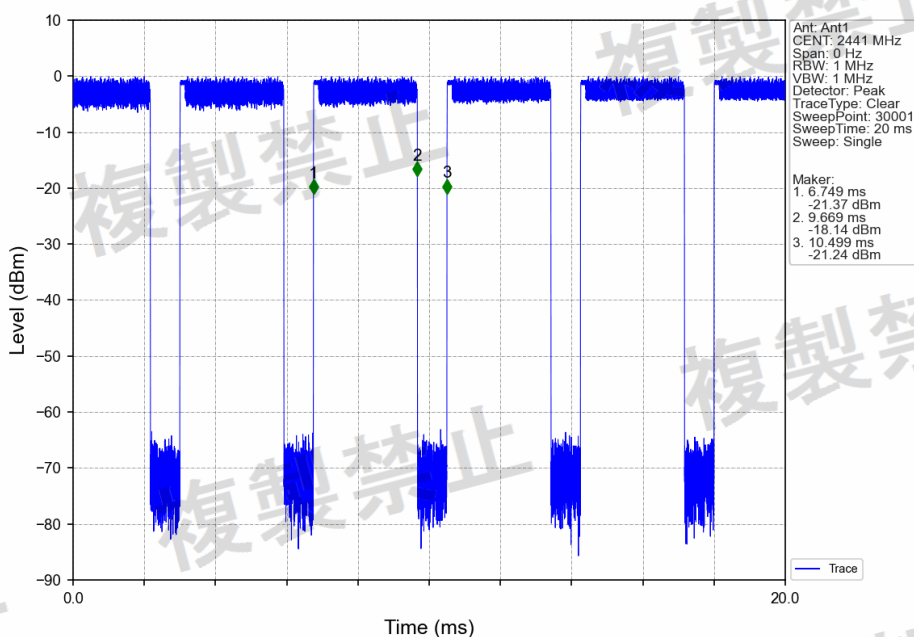




8DPSK_3DH3_2441MHz_Ant1_NTLV

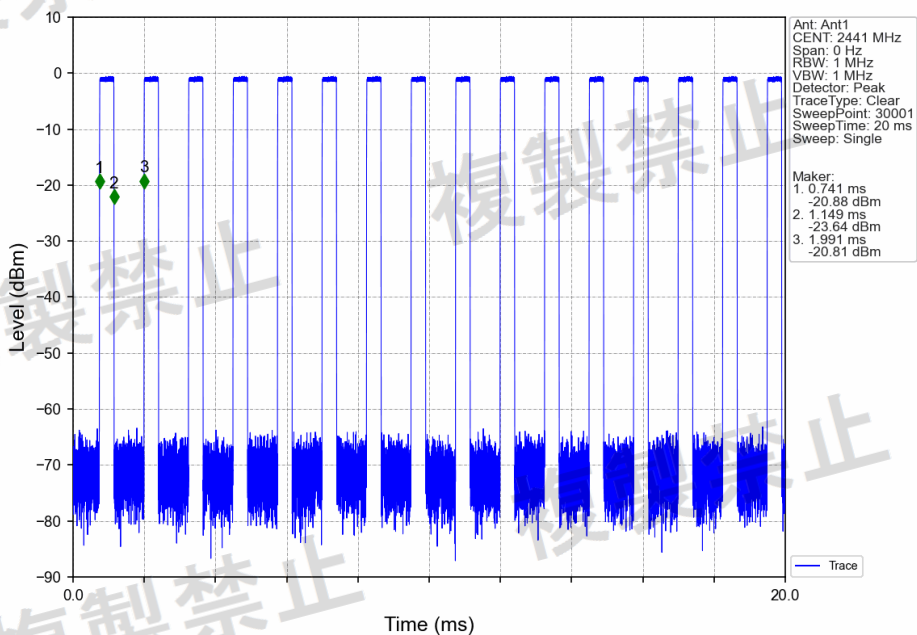


8DPSK_3DH5_2441MHz_Ant1_NTLV

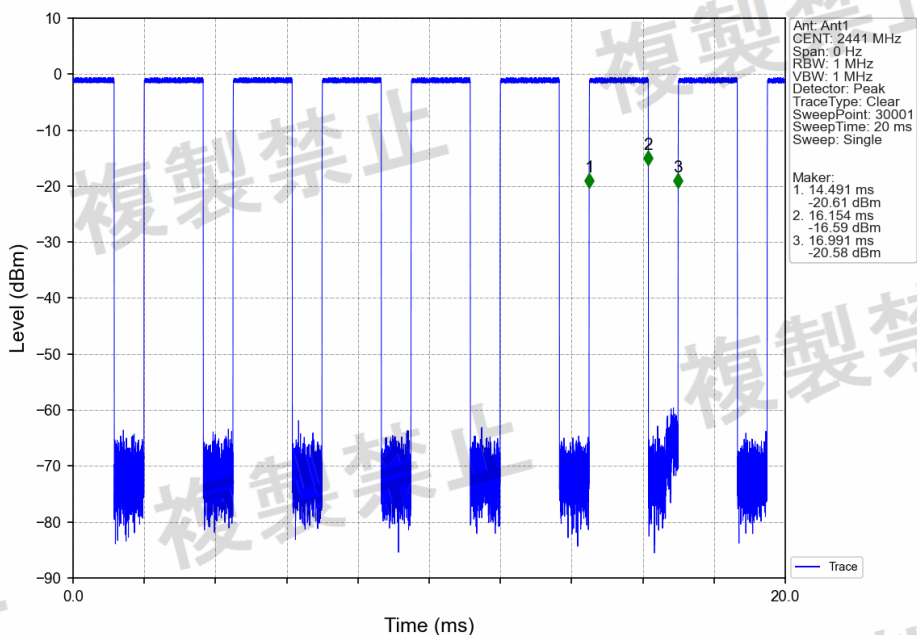




GFSK_DH1_2441MHz_Ant1_NTHV

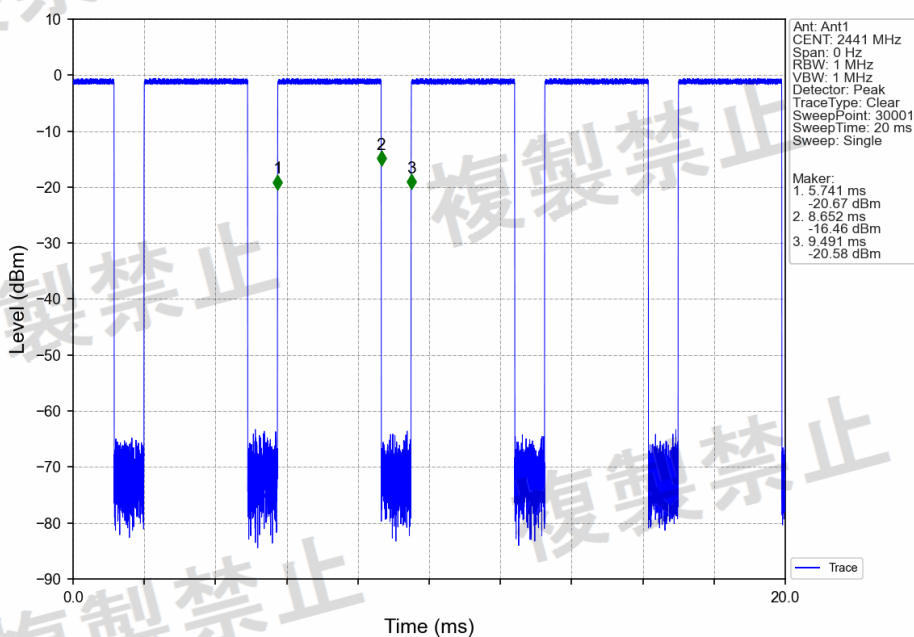


GFSK_DH3_2441MHz_Ant1_NTHV

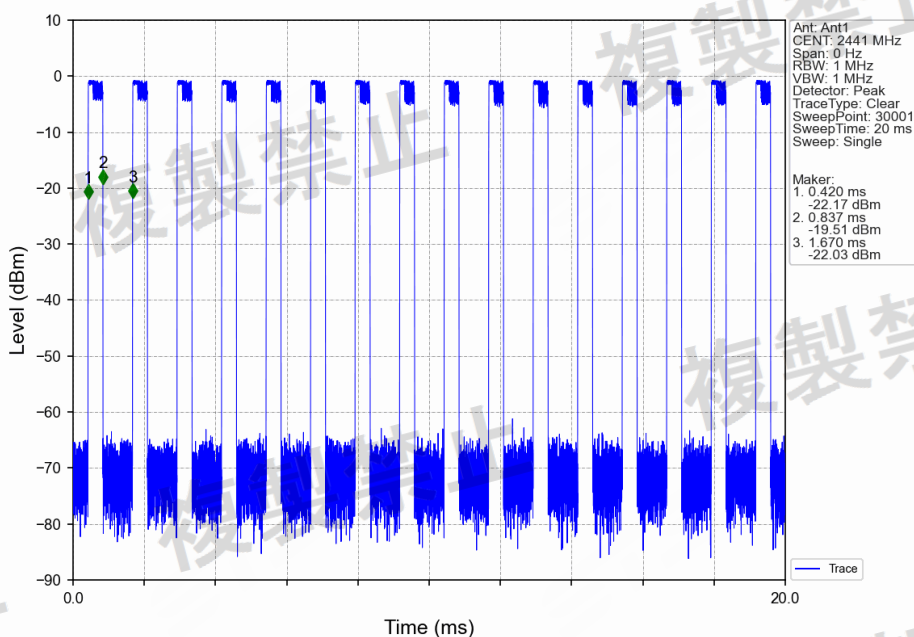




GFSK_DH5_2441MHz_Ant1_NTHV

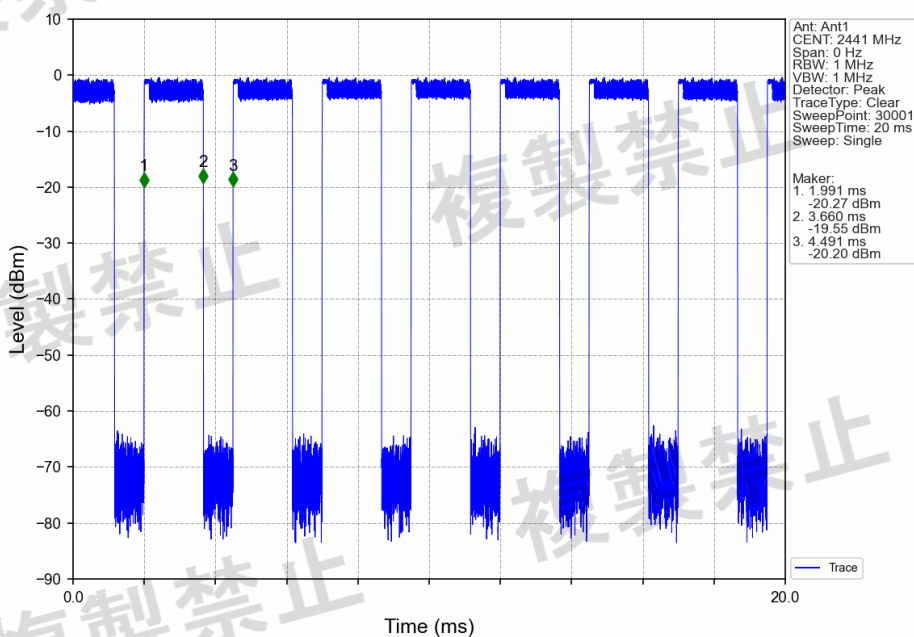


Pi/4DQPSK_2DH1_2441MHz_Ant1_NTHV

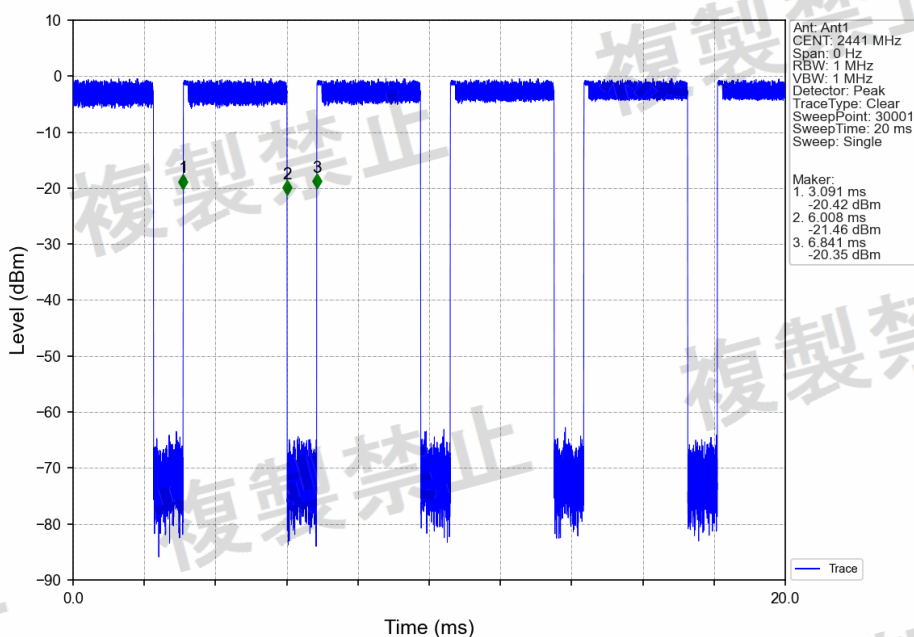




Pi/4DQPSK_2DH3_2441MHz_Ant1_NTHV

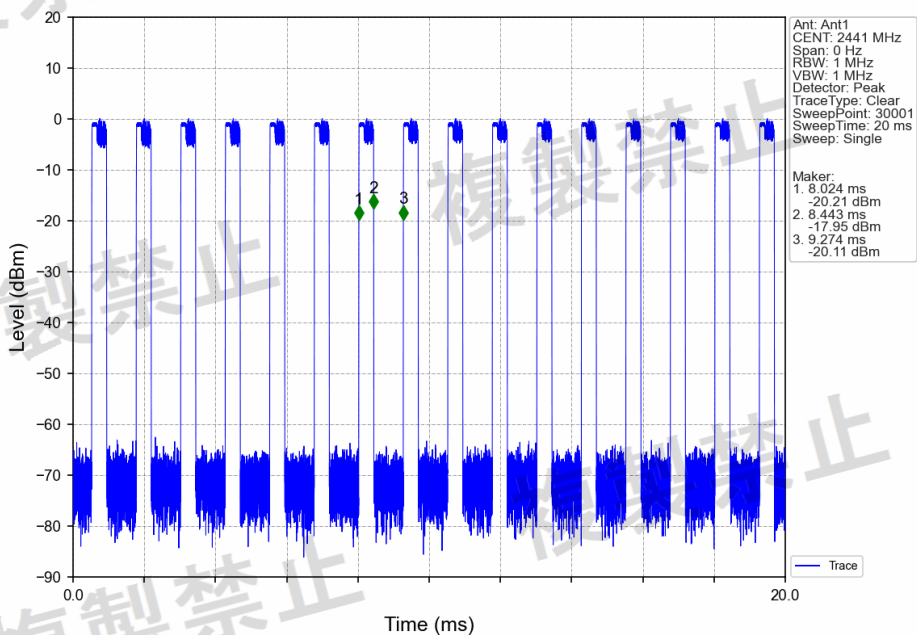


Pi/4DQPSK_2DH5_2441MHz_Ant1_NTHV

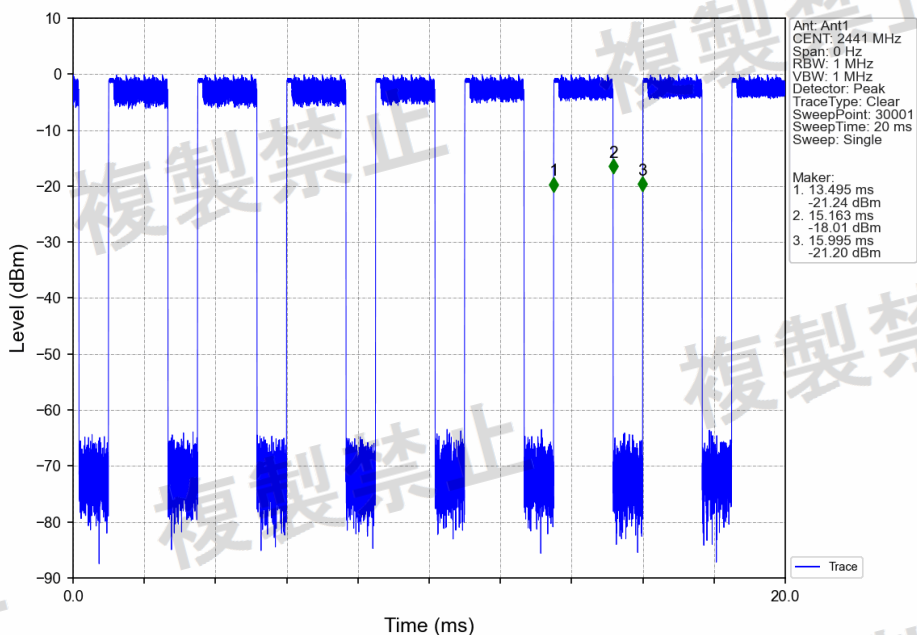




8DPSK_3DH1_2441MHz_Ant1_NTHV

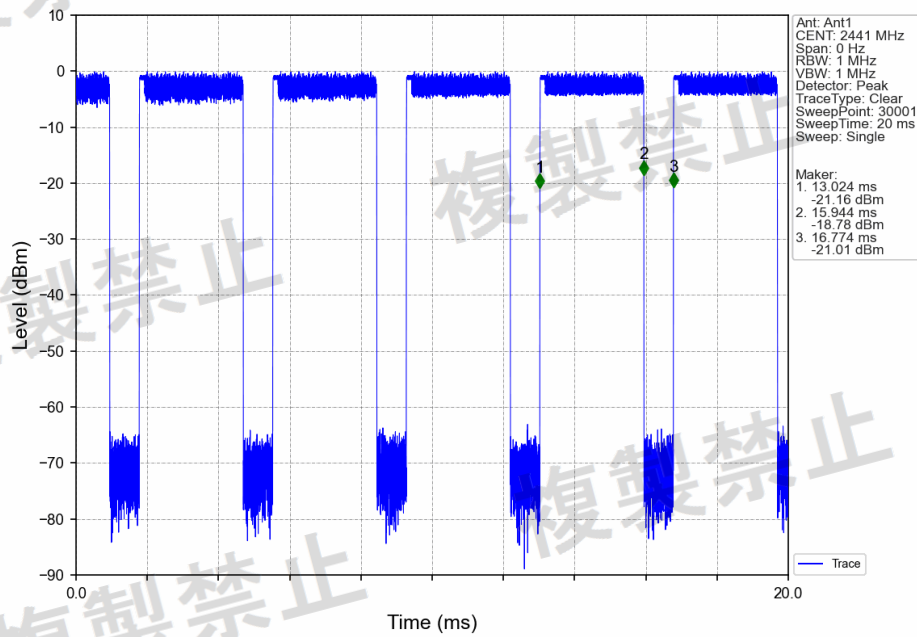


8DPSK_3DH3_2441MHz_Ant1_NTHV





8DPSK_3DH5_2441MHz_Ant1_NTHV





6. SPURIOUS EMISSION INTENSITY

6.1 TEST RESULT

6.1.1 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)		
GFSK	SISO	2402	1	30	2387	2376	-52.85	0.005	/	/	2.5	Pass
				2387	2400	2399.779	-39.78	0.105	/	/	25	Pass
				2483.5	2496.5	2484.787	-59.87	0.001	/	/	25	Pass
				2496.5	12500	4804	-32.30	0.589	/	/	2.5	Pass
		2480	1	30	2387	2377	-58.57	0.001	/	/	2.5	Pass
				2387	2400	2396.672	-60.45	0.001	/	/	25	Pass
				2483.5	2496.5	2484.839	-48.27	0.015	/	/	25	Pass
				2496.5	12500	4960.5	-35.26	0.298	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2376	-52.83	0.005	/	/	2.5	Pass
				2387	2400	2399.935	-33.63	0.434	/	/	25	Pass
				2483.5	2496.5	2484.163	-58.78	0.001	/	/	25	Pass
				2496.5	12500	4803.5	-32.79	0.526	/	/	2.5	Pass
		2480	1	30	2387	2342.5	-59.33	0.001	/	/	2.5	Pass
				2387	2400	2393.604	-60.60	0.001	/	/	25	Pass
				2483.5	2496.5	2483.526	-42.88	0.052	/	/	25	Pass
				2496.5	12500	4959.5	-36.55	0.221	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2375.5	-53.99	0.004	/	/	2.5	Pass
				2387	2400	2399.987	-35.19	0.303	/	/	25	Pass
				2483.5	2496.5	2483.513	-59.54	0.001	/	/	25	Pass
				2496.5	12500	4803.5	-33.29	0.469	/	/	2.5	Pass
		2480	1	30	2387	2378.5	-59.24	0.001	/	/	2.5	Pass
				2387	2400	2396.347	-60.59	0.001	/	/	25	Pass
				2483.5	2496.5	2483.799	-41.27	0.075	/	/	25	Pass
				2496.5	12500	4960	-36.11	0.245	/	/	2.5	Pass

6.1.2 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)		
GFSK	SISO	2402	1	30	2387	2376	-53.16	0.005	/	/	2.5	Pass
				2387	2400	2399.974	-36.65	0.216	/	/	25	Pass
				2483.5	2496.5	2484.046	-59.49	0.001	/	/	25	Pass
				2496.5	12500	4804.5	-32.53	0.558	/	/	2.5	Pass
		2480	1	30	2387	2369	-59.00	0.001	/	/	2.5	Pass
				2387	2400	2388.3	-60.30	0.001	/	/	25	Pass
				2483.5	2496.5	2483.63	-48.78	0.013	/	/	25	Pass
				2496.5	12500	4960	-35.19	0.303	/	/	2.5	Pass
PI/4DQPSK	SISO	2402	1	30	2387	2376	-54.25	0.004	/	/	2.5	Pass
				2387	2400	2399.987	-34.03	0.395	/	/	25	Pass
				2483.5	2496.5	2483.955	-59.45	0.001	/	/	25	Pass
				2496.5	12500	4803.5	-32.20	0.603	/	/	2.5	Pass
		2480	1	30	2387	2381	-58.74	0.001	/	/	2.5	Pass



8DPSK	SISO	2402	1	2387	2400	2388.3	-60.44	0.001	/	/	25	Pass
				2483.5	2496.5	2483.656	-42.25	0.060	/	/	25	Pass
				2496.5	12500	4959.5	-35.41	0.288	/	/	2.5	Pass
				30	2387	2376	-53.25	0.005	/	/	2.5	Pass
		2480	1	2387	2400	2399.987	-34.87	0.326	/	/	25	Pass
				2483.5	2496.5	2486.412	-59.24	0.001	/	/	25	Pass
				2496.5	12500	4803.5	-32.47	0.566	/	/	2.5	Pass
				30	2387	2354	-58.72	0.001	/	/	2.5	Pass
				2387	2400	2391.875	-60.31	0.001	/	/	25	Pass
				2483.5	2496.5	2483.799	-41.97	0.064	/	/	25	Pass
				2496.5	12500	4960.5	-35.43	0.286	/	/	2.5	Pass

6.1.3 TXSE_NTHV

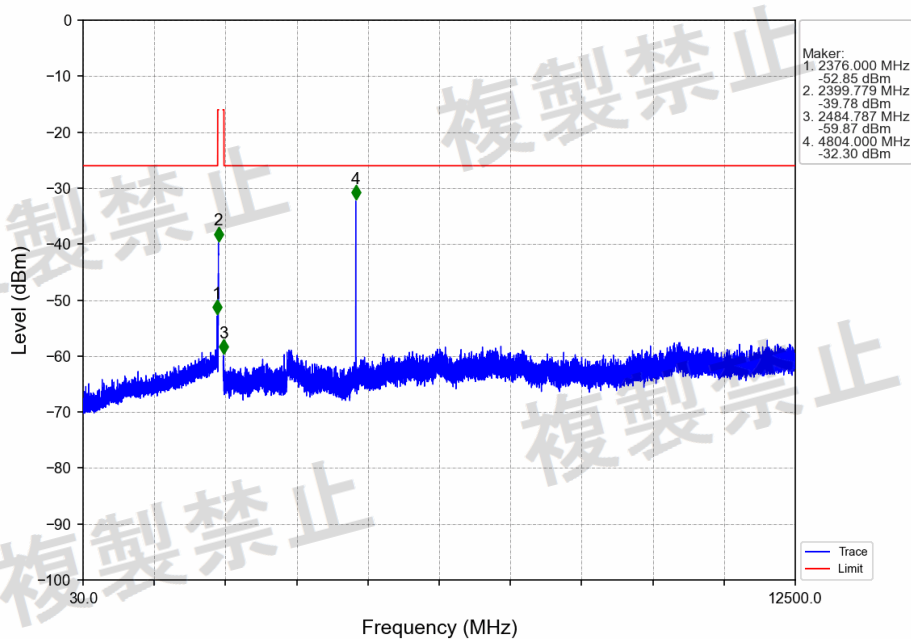
NTHV												
Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (uW /MHz)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm /MHz)	PK Power (uW /MHz)	AV Power (dBm /MHz)	AV Power (uW /MHz)		
GFSK	SISO	2402	1	30	2387	2376	-52.65	0.005	/	/	2.5	Pass
				2387	2400	2399.896	-37.81	0.166	/	/	25	Pass
				2483.5	2496.5	2483.591	-59.69	0.001	/	/	25	Pass
				2496.5	12500	4804	-32.51	0.561	/	/	2.5	Pass
		2480	1	30	2387	2315	-58.93	0.001	/	/	2.5	Pass
				2387	2400	2399.337	-60.73	0.001	/	/	25	Pass
				2483.5	2496.5	2483.578	-48.28	0.015	/	/	25	Pass
				2496.5	12500	4959.5	-35.36	0.291	/	/	2.5	Pass
Pi/4DQPSK	SISO	2402	1	30	2387	2376.5	-53.36	0.005	/	/	2.5	Pass
				2387	2400	2399.987	-33.86	0.411	/	/	25	Pass
				2483.5	2496.5	2483.591	-59.82	0.001	/	/	25	Pass
				2496.5	12500	4803.5	-32.47	0.566	/	/	2.5	Pass
		2480	1	30	2387	2376	-58.90	0.001	/	/	2.5	Pass
				2387	2400	2391.966	-60.14	0.001	/	/	25	Pass
				2483.5	2496.5	2483.591	-42.35	0.058	/	/	25	Pass
				2496.5	12500	4959.5	-36.13	0.244	/	/	2.5	Pass
8DPSK	SISO	2402	1	30	2387	2376	-53.79	0.004	/	/	2.5	Pass
				2387	2400	2399.987	-35.00	0.316	/	/	25	Pass
				2483.5	2496.5	2483.669	-59.52	0.001	/	/	25	Pass
				2496.5	12500	4804	-31.66	0.682	/	/	2.5	Pass
		2480	1	30	2387	2180.5	-58.91	0.001	/	/	2.5	Pass
				2387	2400	2392.941	-60.65	0.001	/	/	25	Pass
				2483.5	2496.5	2483.604	-40.92	0.081	/	/	25	Pass
				2496.5	12500	4959.5	-35.94	0.255	/	/	2.5	Pass



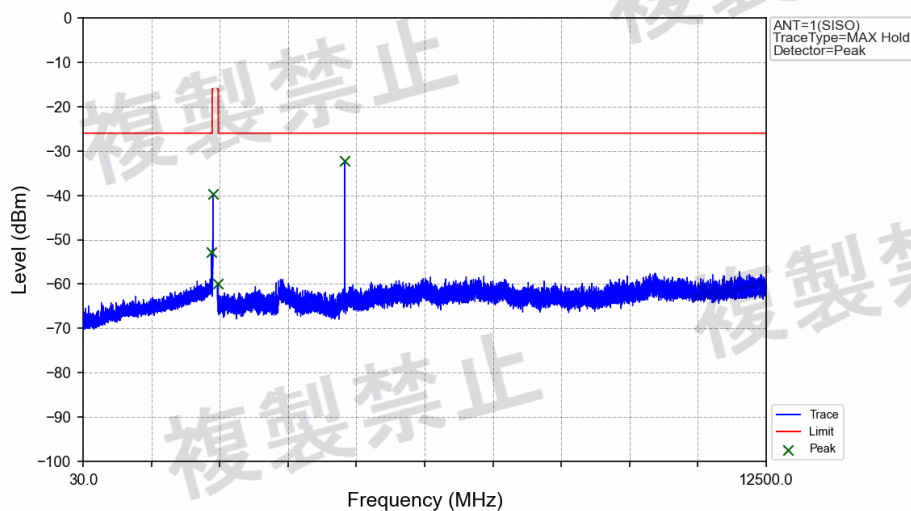
6.2 TEST GRAPH

6.2.1 TXSE_NTNV

GFSK_DH5_2402MHz_Ant1_NTNV



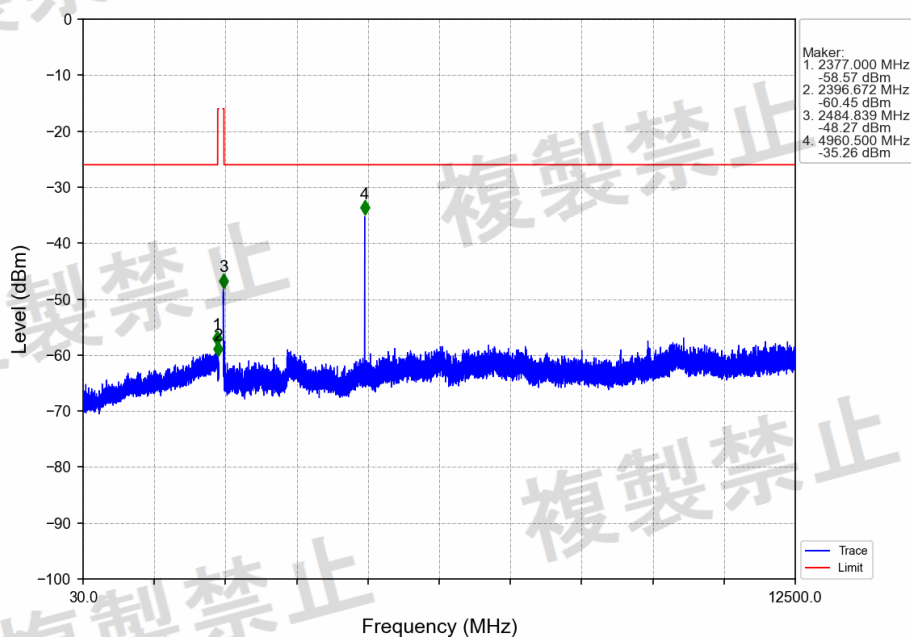
GFSK_DH5_2402MHz_Ant1_NTNV



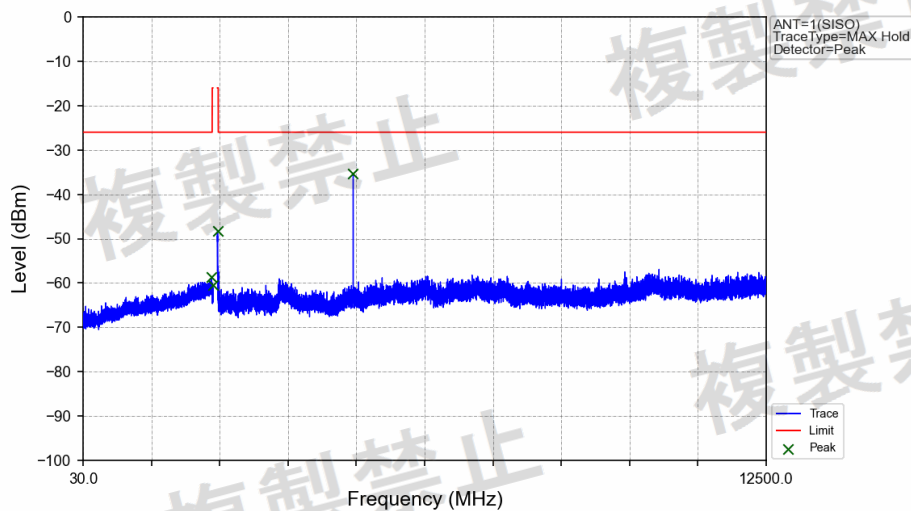
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2376.000	-52.85	/	-26	Pass
2387	2400	1	1	2399.779	-39.78	/	-16	Pass
2483.5	2496.5	1	1	2484.787	-59.87	/	-16	Pass
2496.5	12500	1	1	4804.000	-32.30	/	-26	Pass



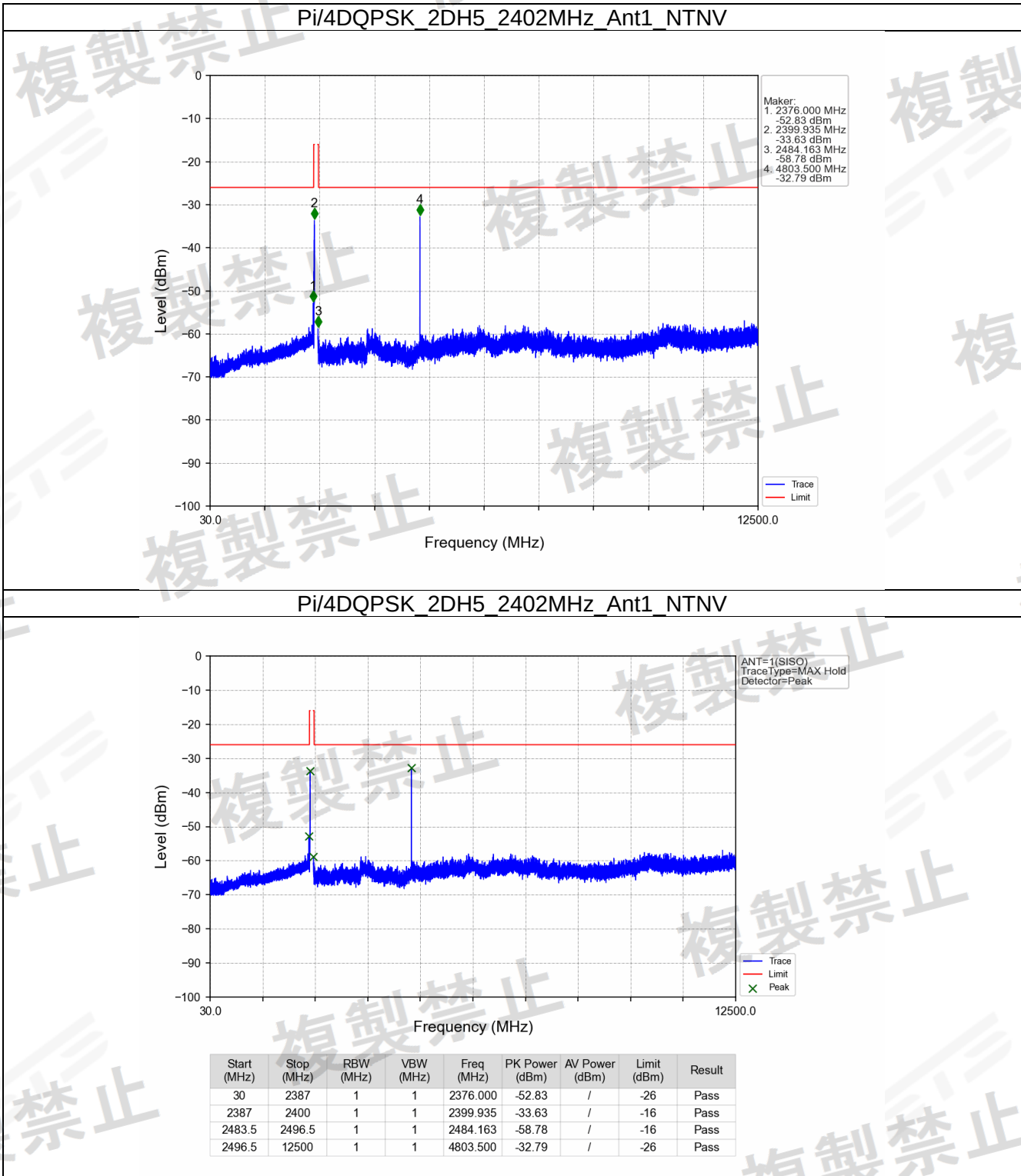
GFSK_DH5_2480MHz_Ant1_NTNV

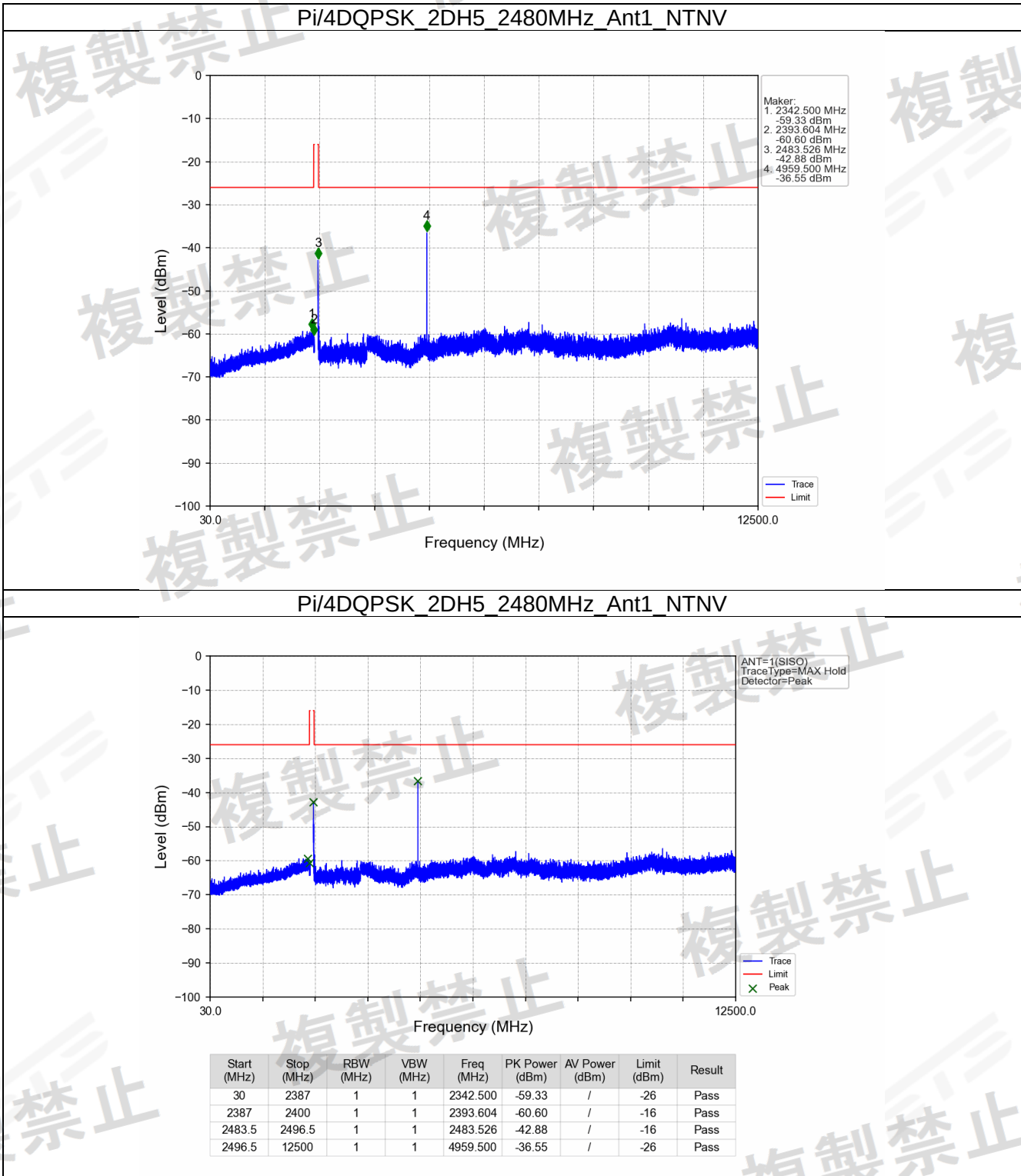


GFSK_DH5_2480MHz_Ant1_NTNV



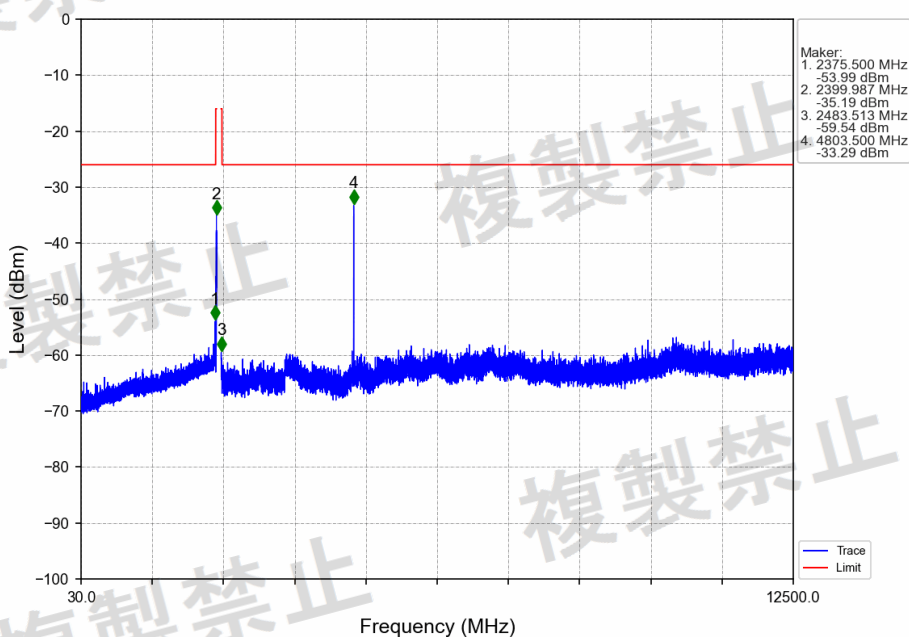
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2377.000	-58.57	/	-26	Pass
2387	2400	1	1	2396.672	-60.45	/	-16	Pass
2483.5	2496.5	1	1	2484.839	-48.27	/	-16	Pass
2496.5	12500	1	1	4960.500	-35.26	/	-26	Pass



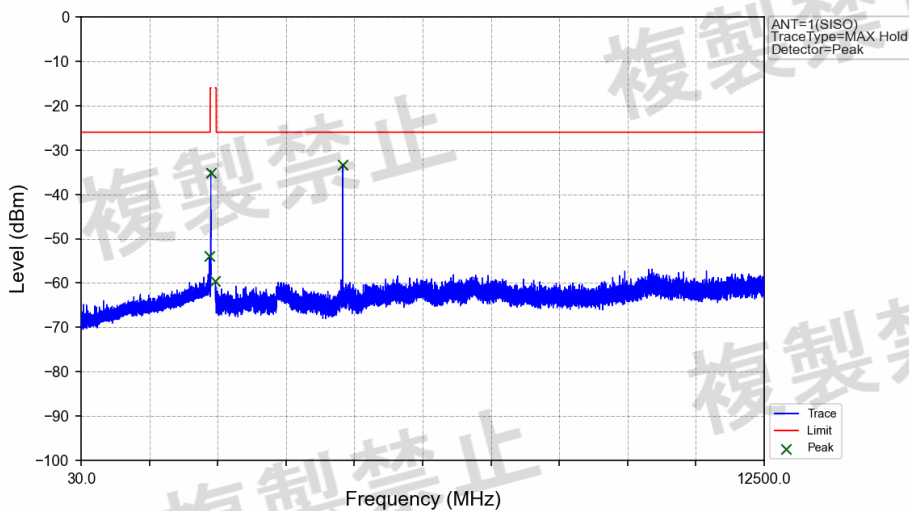




8DPSK_3DH5_2402MHz_Ant1_NTNV



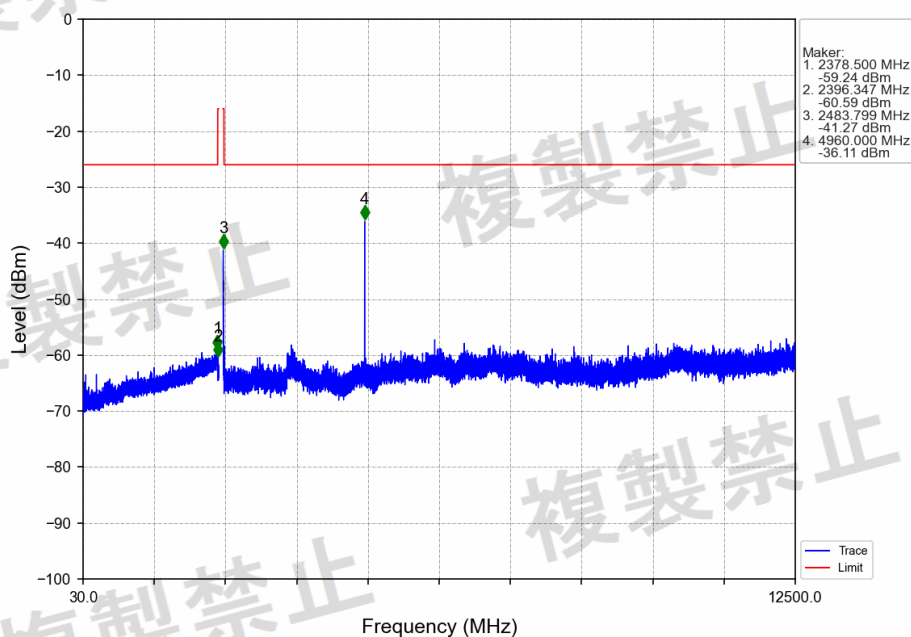
8DPSK_3DH5_2402MHz_Ant1_NTNV



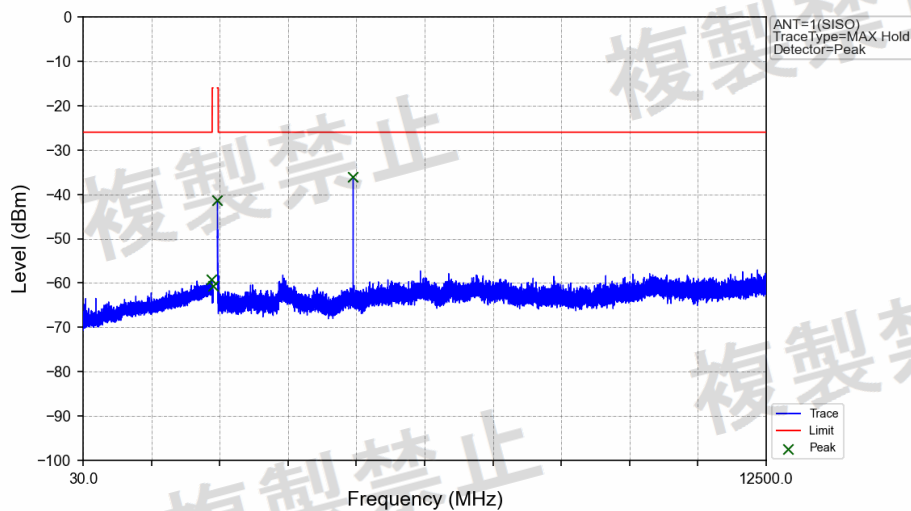
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2375.500	-53.99	/	-26	Pass
2387	2400	1	1	2399.987	-35.19	/	-16	Pass
2483.5	2496.5	1	1	2483.513	-59.54	/	-16	Pass
2496.5	12500	1	1	4803.500	-33.29	/	-26	Pass



8DPSK_3DH5_2480MHz_Ant1_NTNV



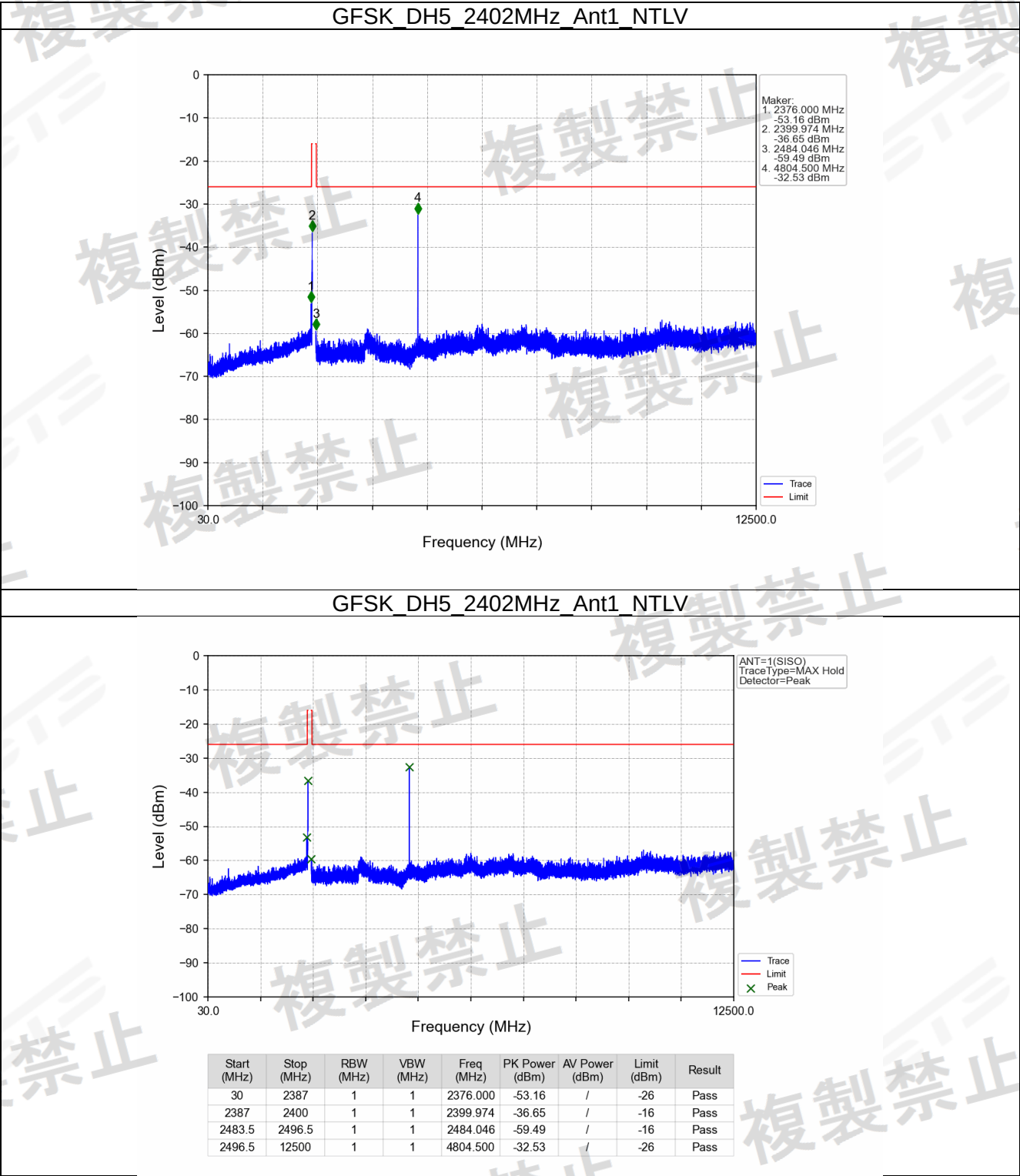
8DPSK_3DH5_2480MHz_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2378.500	-59.24	/	-26	Pass
2387	2400	1	1	2396.347	-60.59	/	-16	Pass
2483.5	2496.5	1	1	2483.799	-41.27	/	-16	Pass
2496.5	12500	1	1	4960.000	-36.11	/	-26	Pass

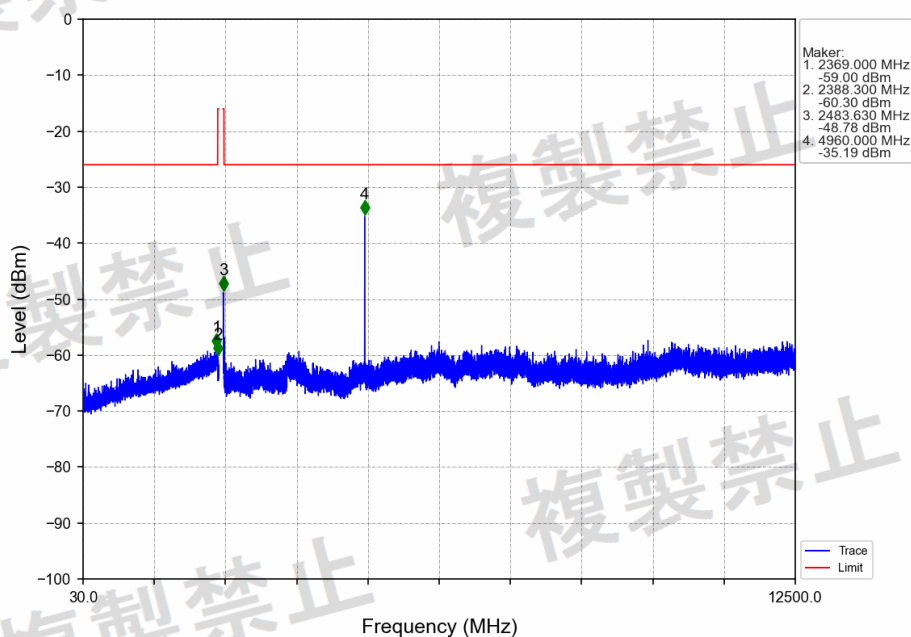


6.2.2 TXSE NTLV

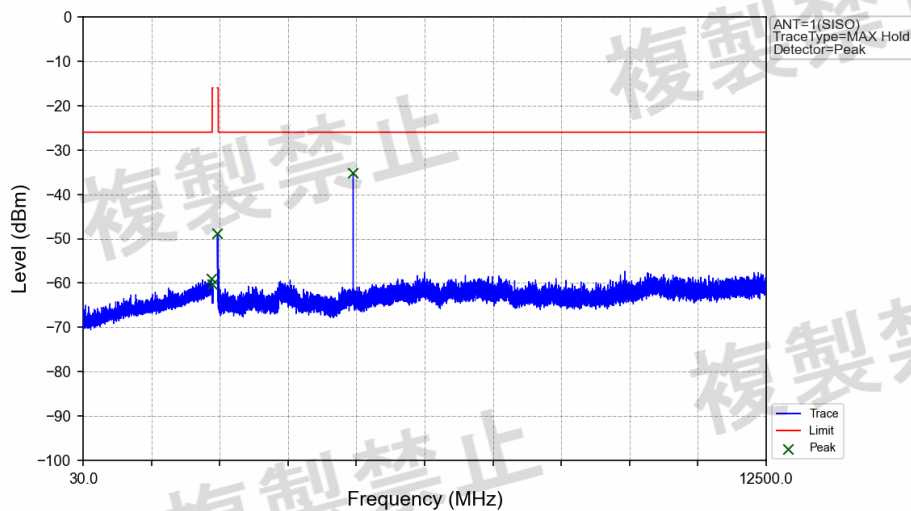




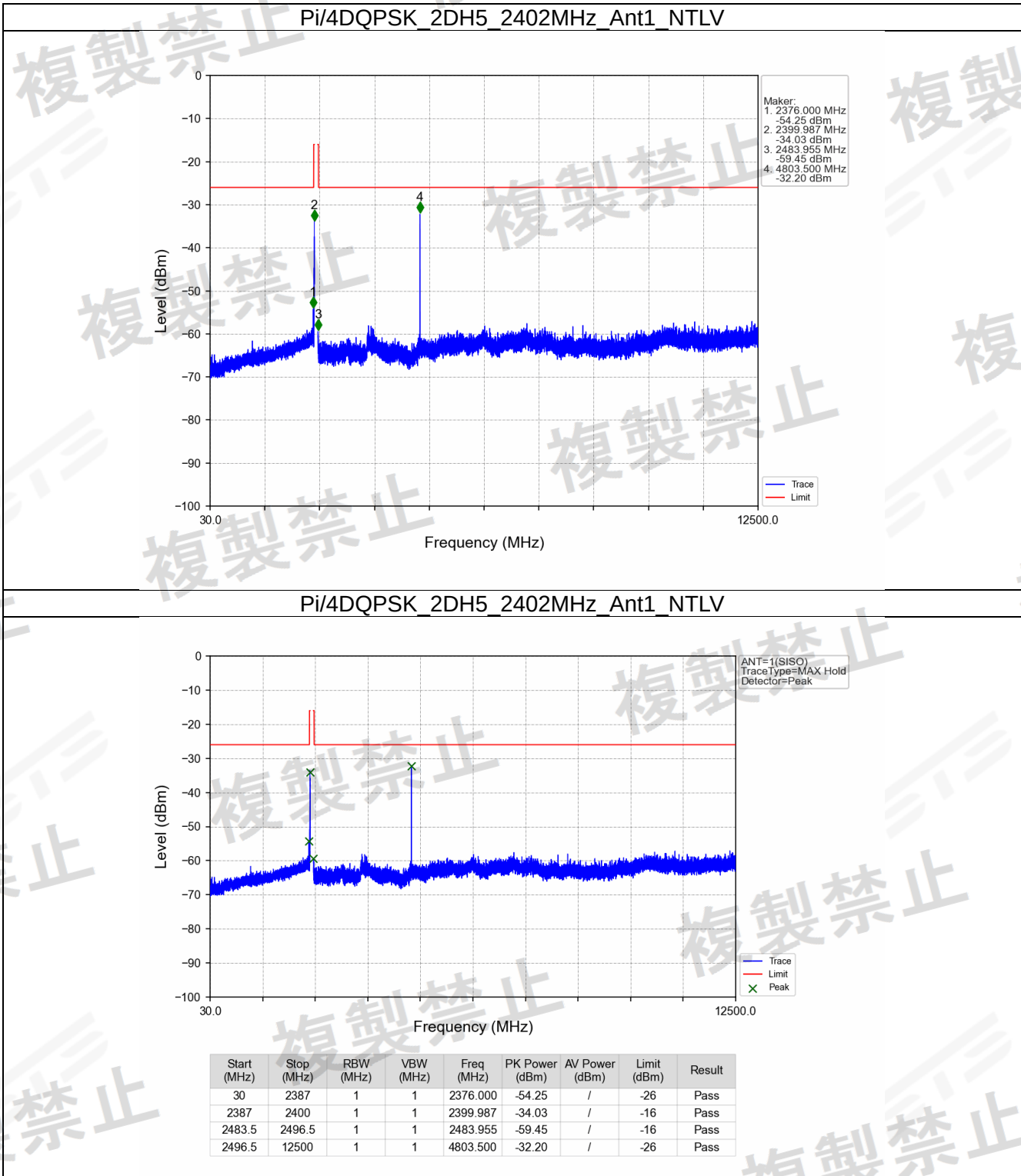
GFSK_DH5_2480MHz_Ant1_NTLV



GFSK_DH5_2480MHz_Ant1_NTLV

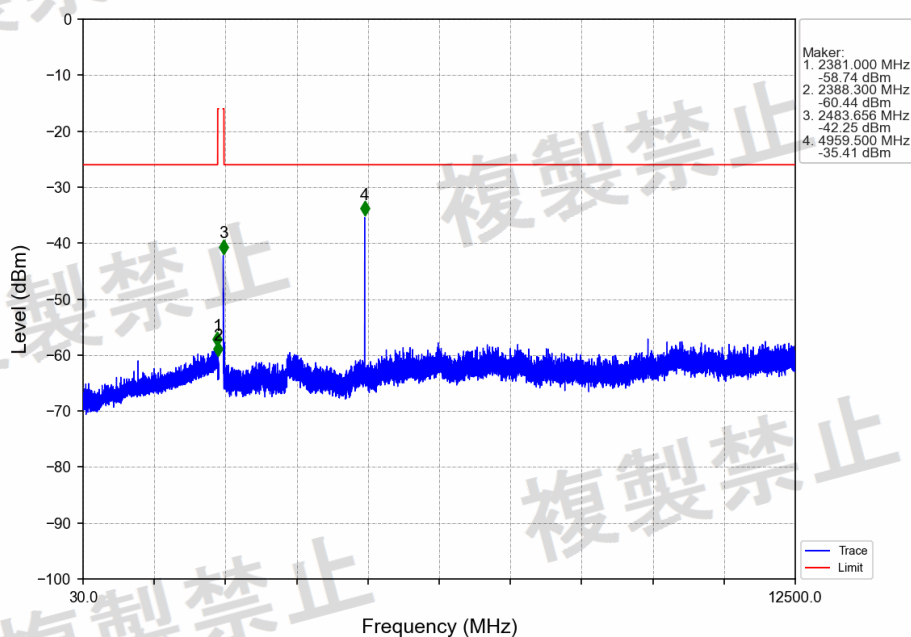


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2369.000	-59.00	/	-26	Pass
2387	2400	1	1	2388.300	-60.30	/	-16	Pass
2483.5	2496.5	1	1	2483.630	-48.78	/	-16	Pass
2496.5	12500	1	1	4960.000	-35.19	/	-26	Pass

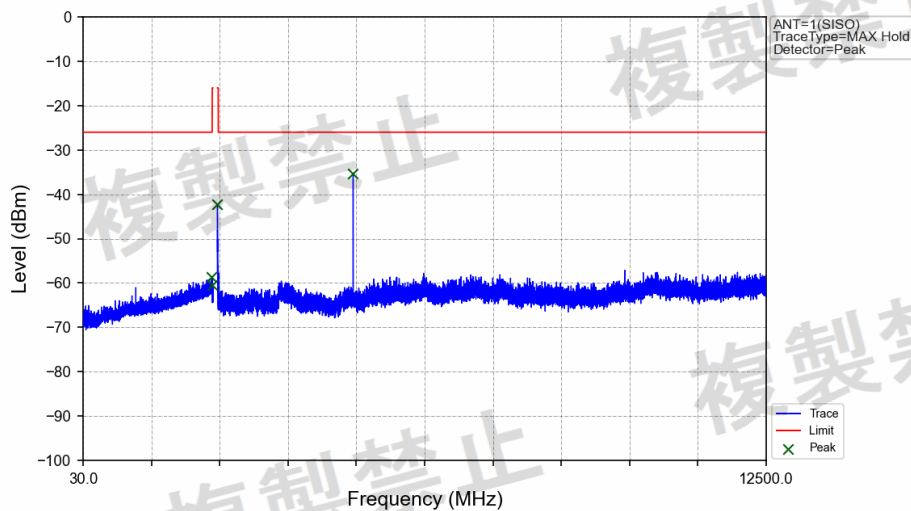




Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV



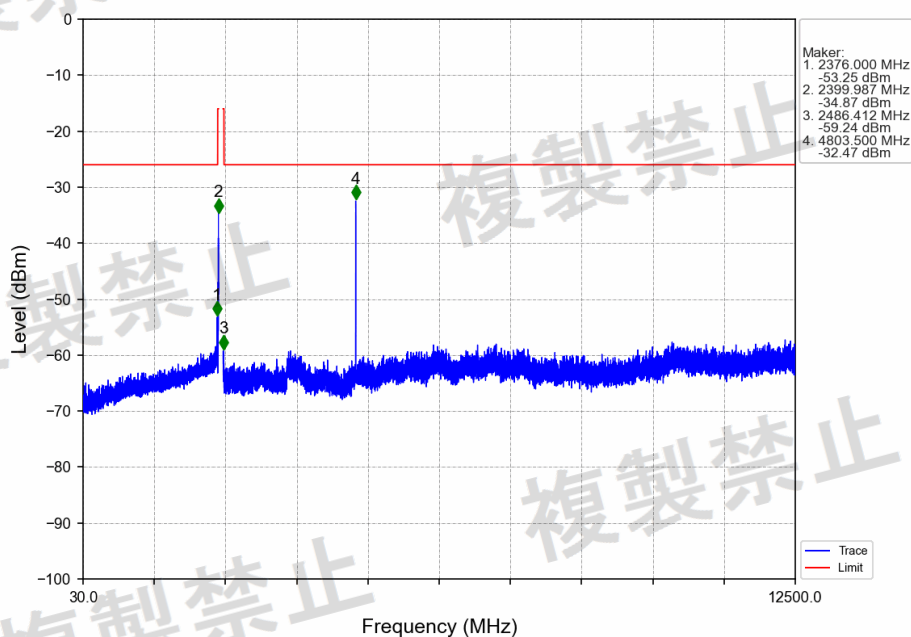
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV



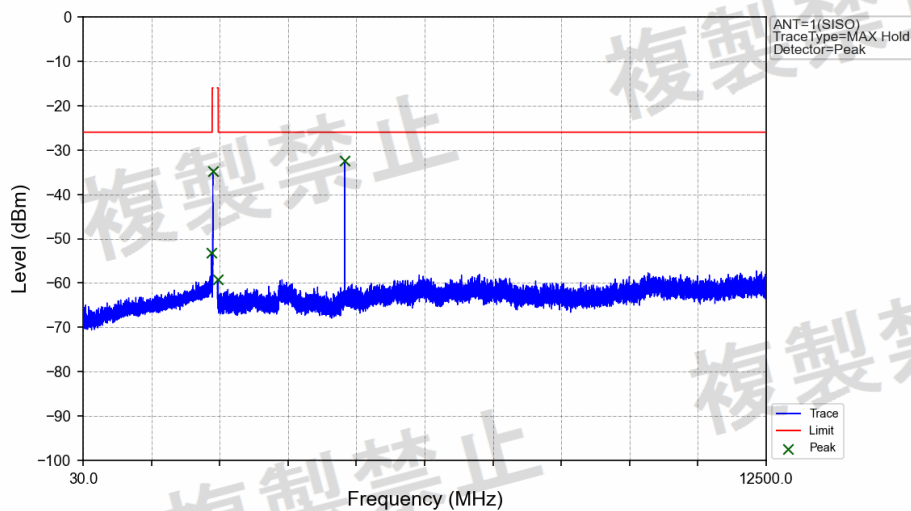
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2381.000	-58.74	/	-26	Pass
2387	2400	1	1	2388.300	-60.44	/	-16	Pass
2483.5	2496.5	1	1	2483.656	-42.25	/	-16	Pass
2496.5	12500	1	1	4959.500	-35.41	/	-26	Pass



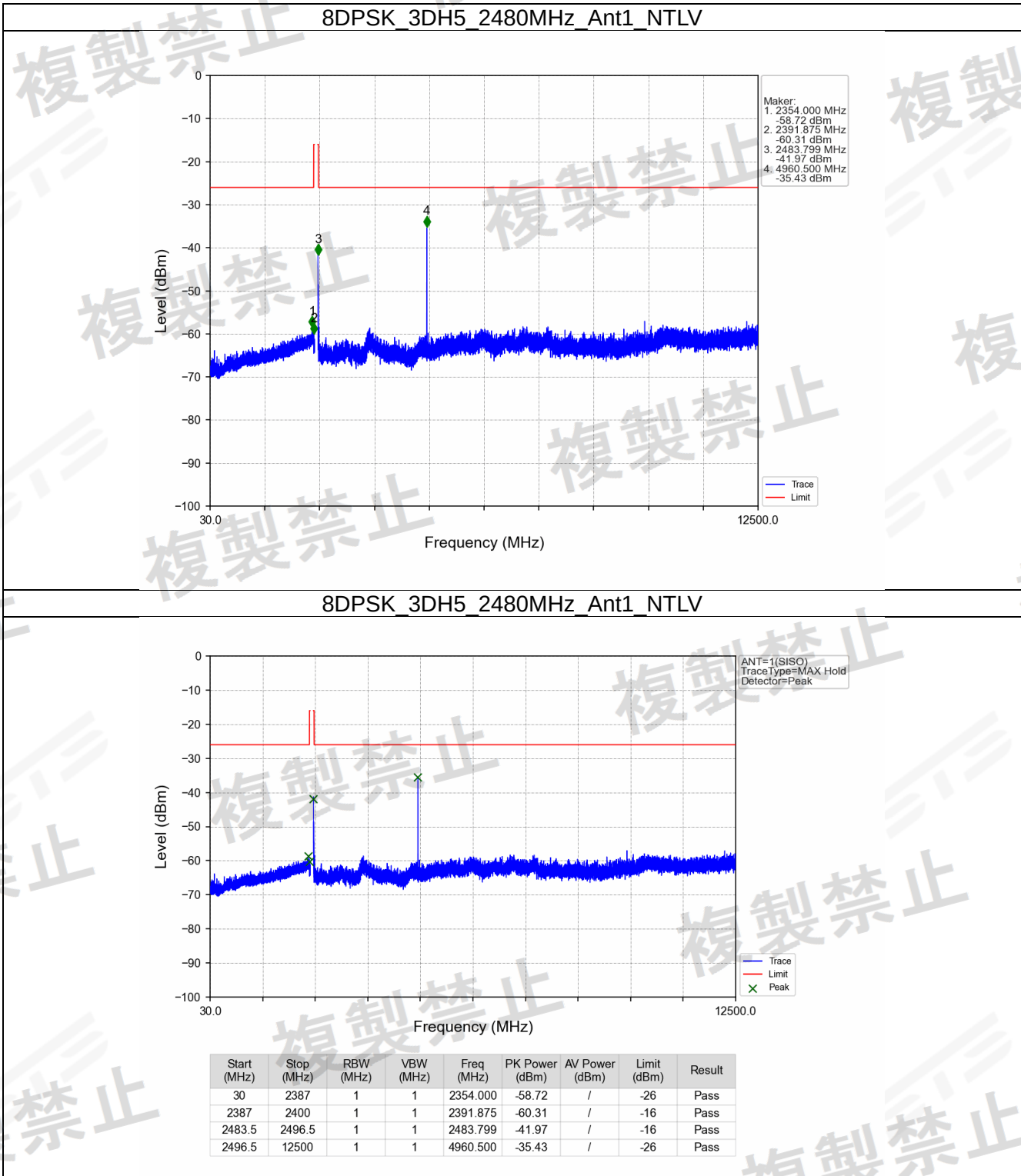
8DPSK_3DH5_2402MHz_Ant1_NTLV



8DPSK_3DH5_2402MHz_Ant1_NTLV

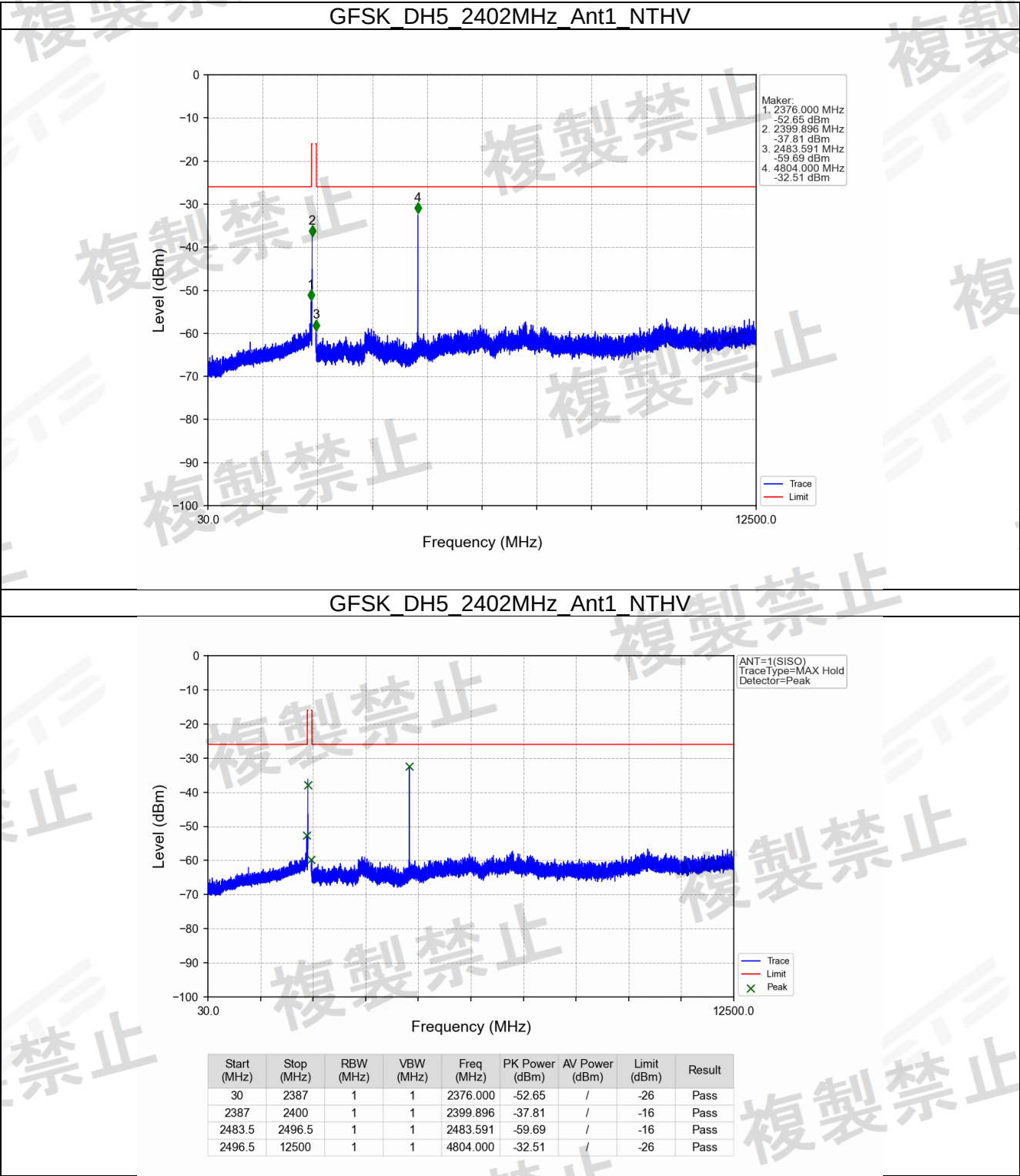


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2376.000	-53.25	/	-26	Pass
2387	2400	1	1	2399.987	-34.87	/	-16	Pass
2483.5	2496.5	1	1	2486.412	-59.24	/	-16	Pass
2496.5	12500	1	1	4803.500	-32.47	/	-26	Pass



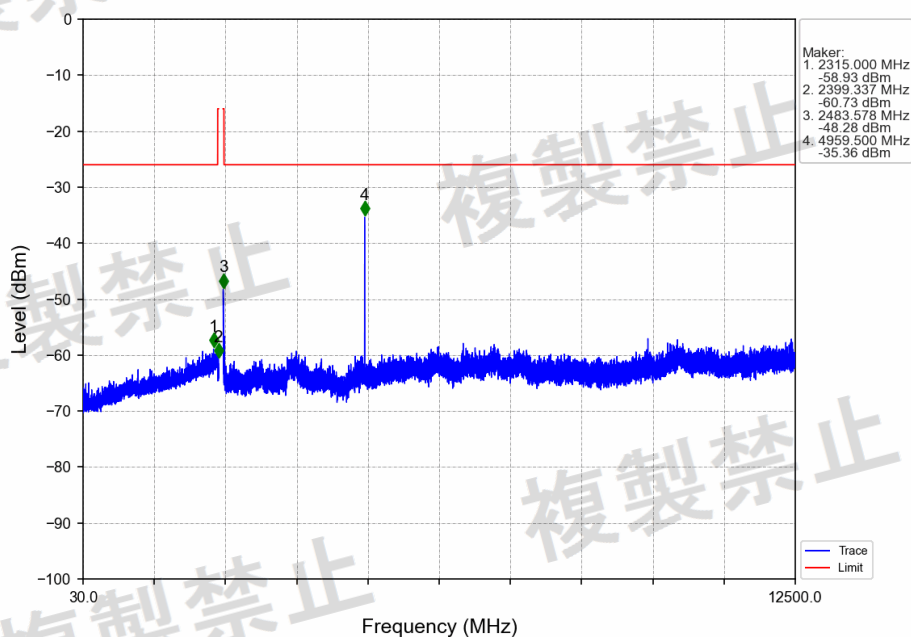


6.2.3 TXSE NTHV

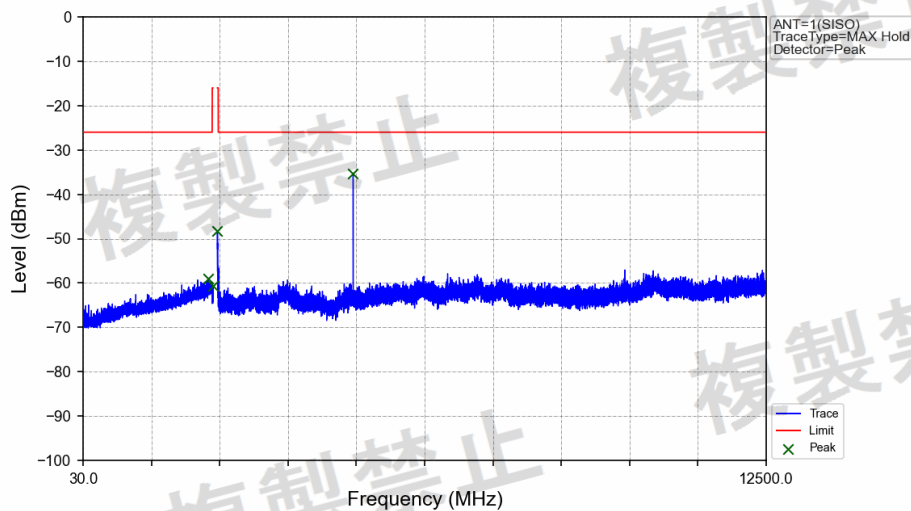




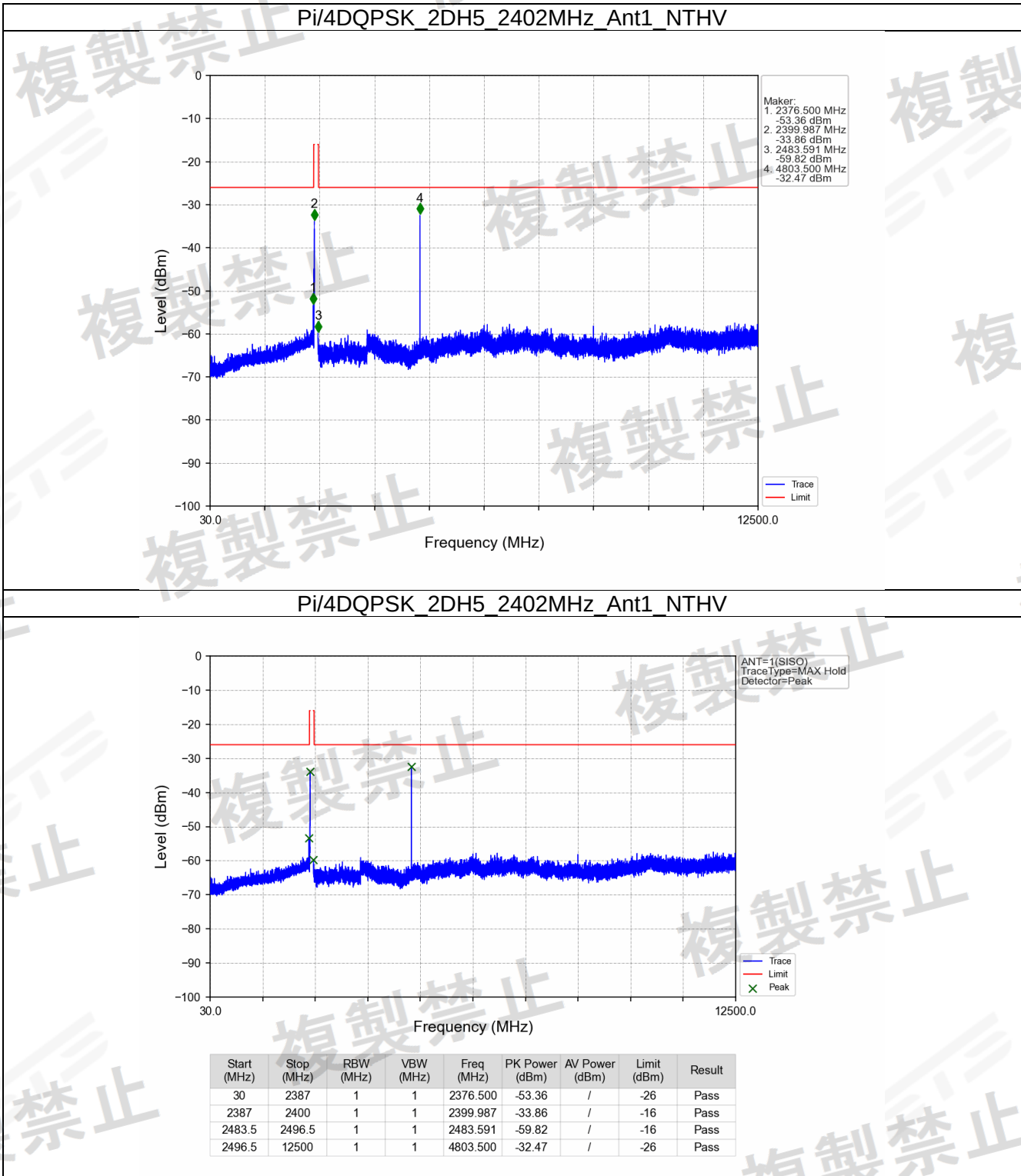
GFSK_DH5_2480MHz_Ant1_NTHV

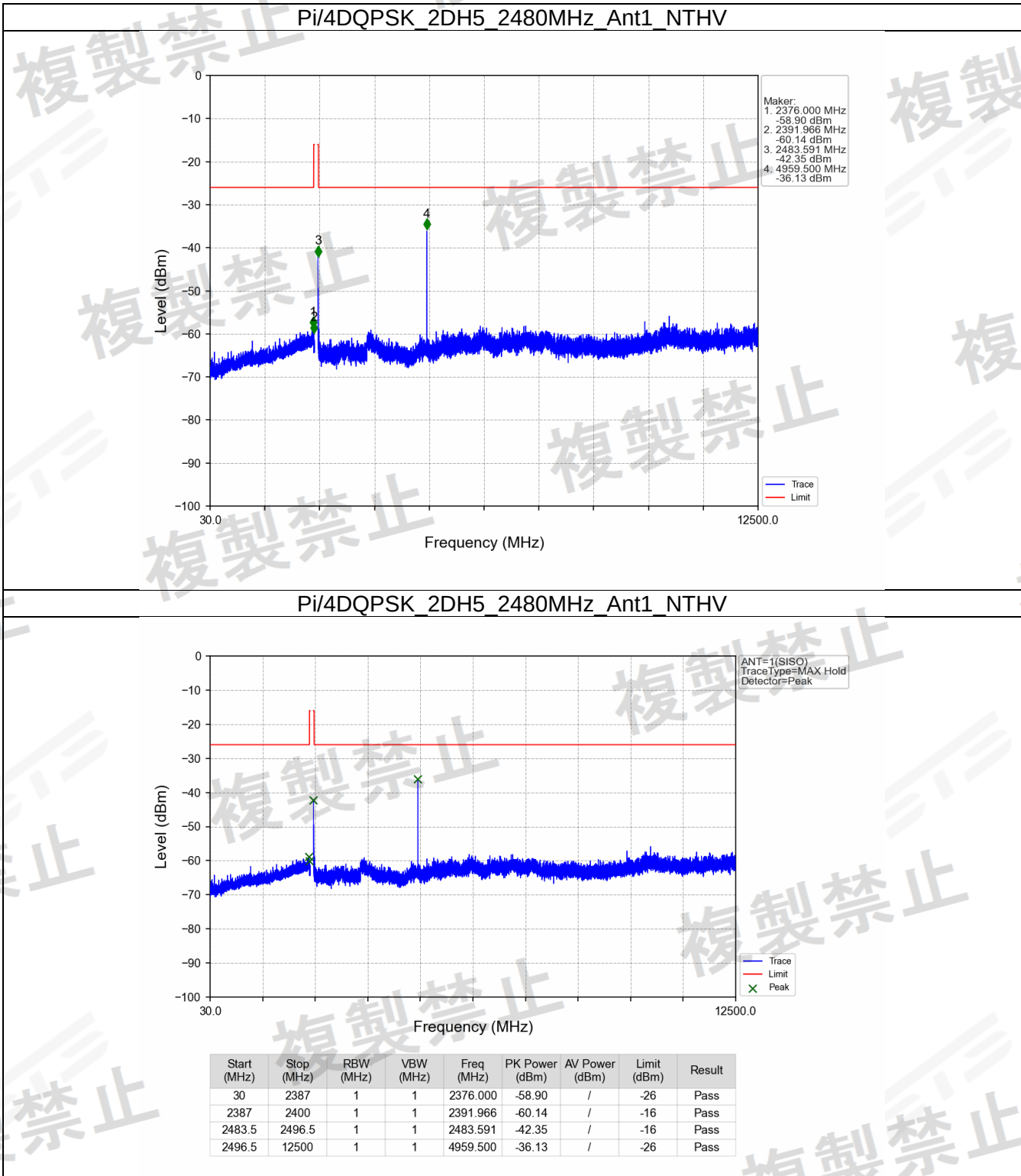


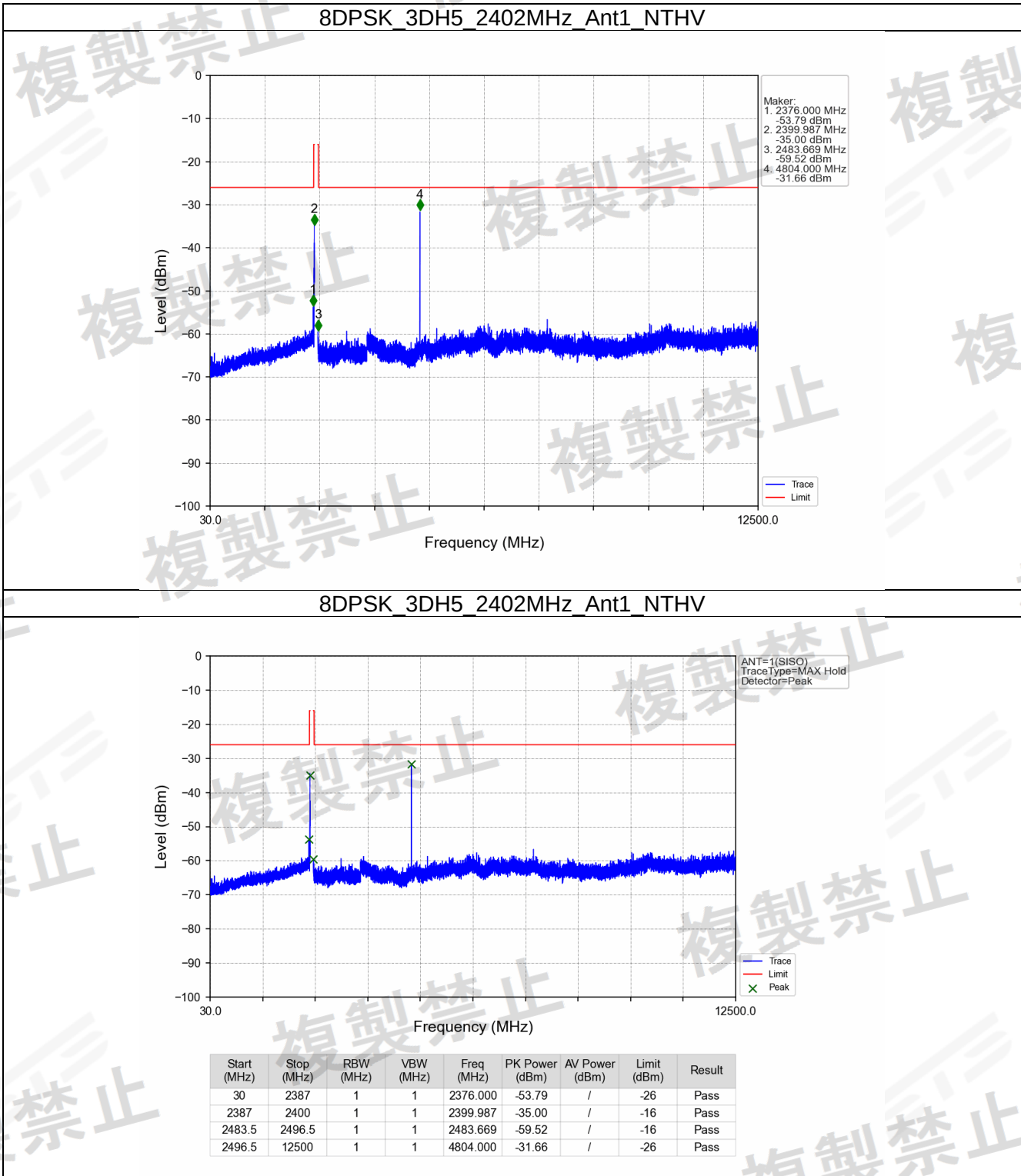
GFSK_DH5_2480MHz_Ant1_NTHV

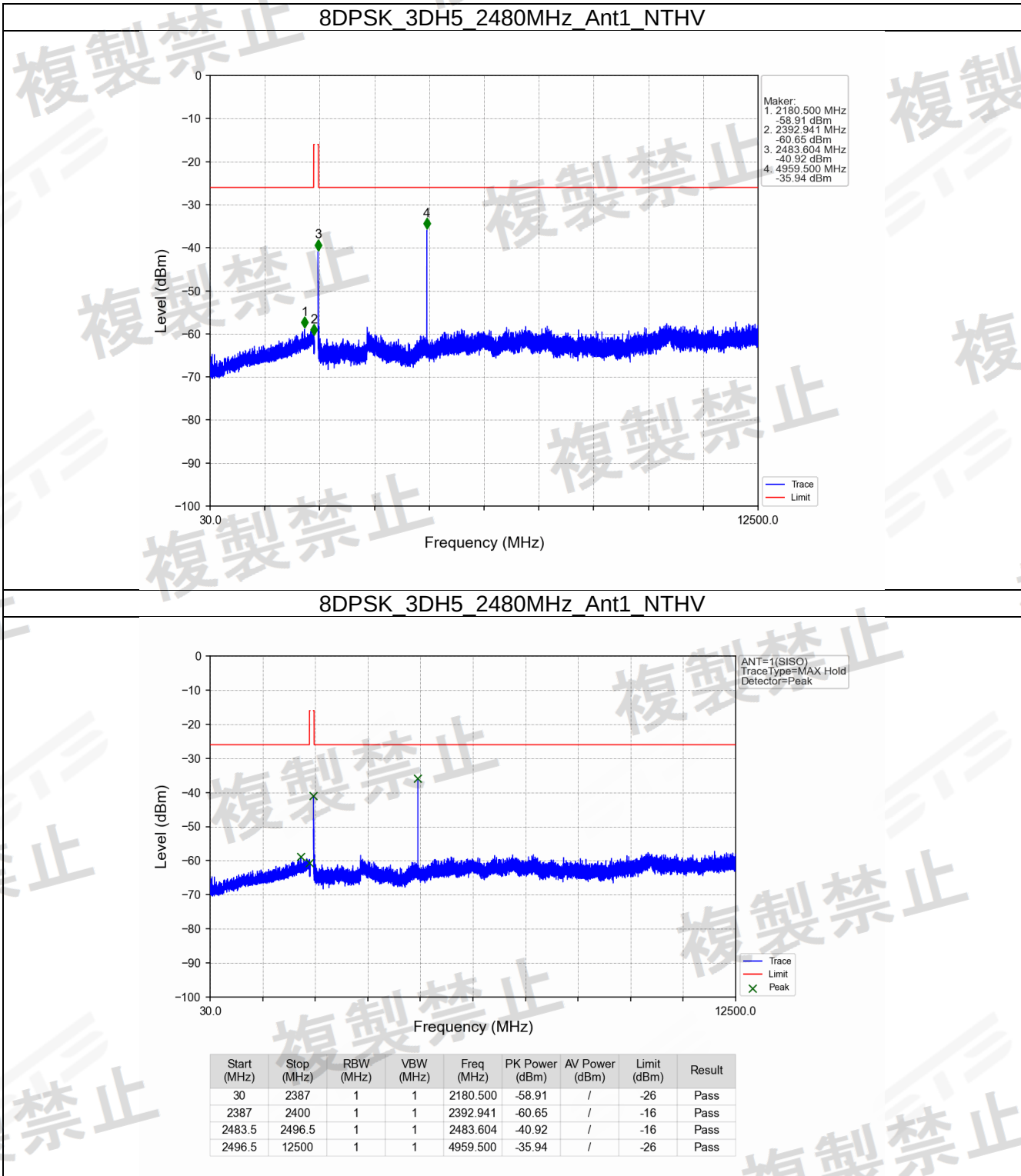


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	2387	1	1	2315.000	-58.93	/	-26	Pass
2387	2400	1	1	2399.337	-60.73	/	-16	Pass
2483.5	2496.5	1	1	2483.578	-48.28	/	-16	Pass
2496.5	12500	1	1	4959.500	-35.36	/	-26	Pass











7. SECONDARY RADIATED EMISSION

7.1 TEST RESULT

7.1.1 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)		
GFSK	SISO	2402	1	30	1000	963.15	-77.19	0.019	/	/	4	Pass
				1000	12500	10390	-63.00	0.501	/	/	20	Pass
		2441	1	30	1000	838.55	-78.91	0.013	/	/	4	Pass
				1000	12500	10483	-62.63	0.546	/	/	20	Pass
		2480	1	30	1000	803.7	-79.13	0.012	/	/	4	Pass
				1000	12500	12147	-62.60	0.550	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	973.95	-79.19	0.012	/	/	4	Pass
				1000	12500	12124.5	-62.86	0.518	/	/	20	Pass
		2441	1	30	1000	848.65	-79.66	0.011	/	/	4	Pass
				1000	12500	12325	-63.17	0.482	/	/	20	Pass
		2480	1	30	1000	887.5	-79.17	0.012	/	/	4	Pass
				1000	12500	12113.5	-62.50	0.562	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	836.25	-78.44	0.014	/	/	4	Pass
				1000	12500	10512.5	-62.65	0.543	/	/	20	Pass
		2441	1	30	1000	711.4	-79.03	0.013	/	/	4	Pass
				1000	12500	10375	-63.03	0.498	/	/	20	Pass
		2480	1	30	1000	960.45	-78.83	0.013	/	/	4	Pass
				1000	12500	7237.5	-63.06	0.494	/	/	20	Pass

7.1.2 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)		
GFSK	SISO	2402	1	30	1000	795.3	-78.88	0.013	/	/	4	Pass
				1000	12500	12337.5	-62.65	0.543	/	/	20	Pass
		2441	1	30	1000	892.75	-79.11	0.012	/	/	4	Pass
				1000	12500	12195.5	-62.99	0.502	/	/	20	Pass
		2480	1	30	1000	876.9	-79.46	0.011	/	/	4	Pass
				1000	12500	10388.5	-62.79	0.526	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	925	-79.42	0.011	/	/	4	Pass
				1000	12500	10370.5	-63.22	0.476	/	/	20	Pass
		2441	1	30	1000	917.7	-78.99	0.013	/	/	4	Pass
				1000	12500	10477.5	-62.83	0.521	/	/	20	Pass
		2480	1	30	1000	788.9	-79.44	0.011	/	/	4	Pass
				1000	12500	12196	-62.19	0.604	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	795.6	-78.73	0.013	/	/	4	Pass
				1000	12500	12414.5	-63.48	0.449	/	/	20	Pass
		2441	1	30	1000	825	-78.27	0.015	/	/	4	Pass
				1000	12500	12479.5	-62.96	0.506	/	/	20	Pass
		2480	1	30	1000	898	-79.08	0.012	/	/	4	Pass
				1000	12500	12220.5	-62.92	0.511	/	/	20	Pass

7.1.3 RXSE_NTHV

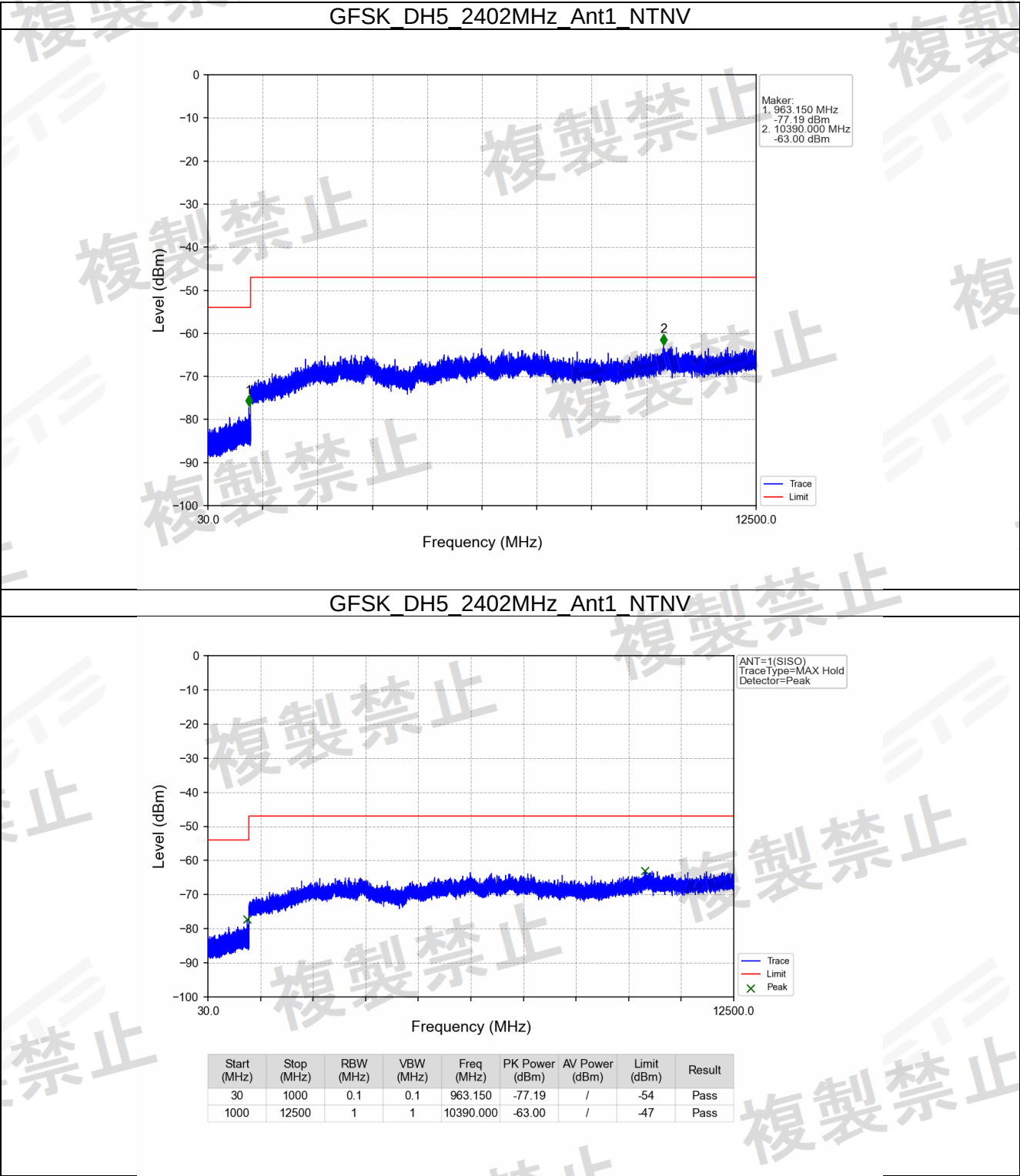
NTHV												
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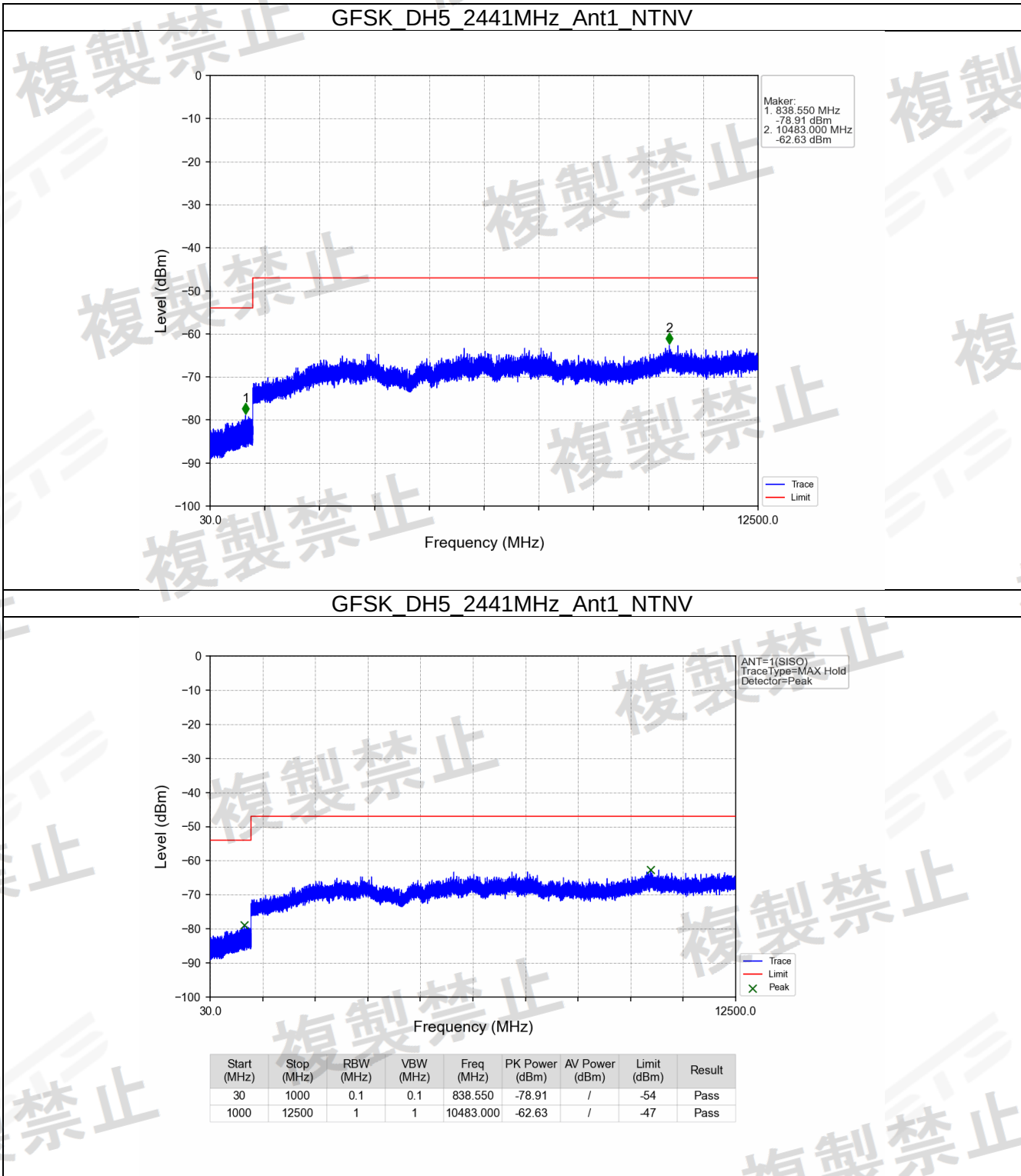


Mode	TX Type	Freq. (MHz)	ANT	Freq. Range		Marker					Limit (nW)	Verdict
				Start (MHz)	Stop (MHz)	Freq. (MHz)	PK Power (dBm)	PK Power (nW)	AV Power (dBm)	AV Power (nW)		
GFSK	SISO	2402	1	30	1000	900.45	-78.05	0.016	/	/	4	Pass
				1000	12500	10952.5	-62.58	0.552	/	/	20	Pass
		2441	1	30	1000	847.85	-79.66	0.011	/	/	4	Pass
				1000	12500	10438	-62.38	0.578	/	/	20	Pass
		2480	1	30	1000	998.2	-78.69	0.014	/	/	4	Pass
				1000	12500	11079	-62.19	0.604	/	/	20	Pass
Pi/4DQPSK	SISO	2402	1	30	1000	987.4	-78.85	0.013	/	/	4	Pass
				1000	12500	11549	-63.18	0.481	/	/	20	Pass
		2441	1	30	1000	843.3	-79.07	0.012	/	/	4	Pass
				1000	12500	12434.5	-62.56	0.555	/	/	20	Pass
		2480	1	30	1000	914.7	-79.19	0.012	/	/	4	Pass
				1000	12500	11838	-62.84	0.520	/	/	20	Pass
8DPSK	SISO	2402	1	30	1000	975.6	-79.07	0.012	/	/	4	Pass
				1000	12500	10552.5	-63.48	0.449	/	/	20	Pass
		2441	1	30	1000	905.45	-79.14	0.012	/	/	4	Pass
				1000	12500	12036.5	-62.54	0.557	/	/	20	Pass
		2480	1	30	1000	911.7	-79.32	0.012	/	/	4	Pass
				1000	12500	12414.5	-63.25	0.473	/	/	20	Pass



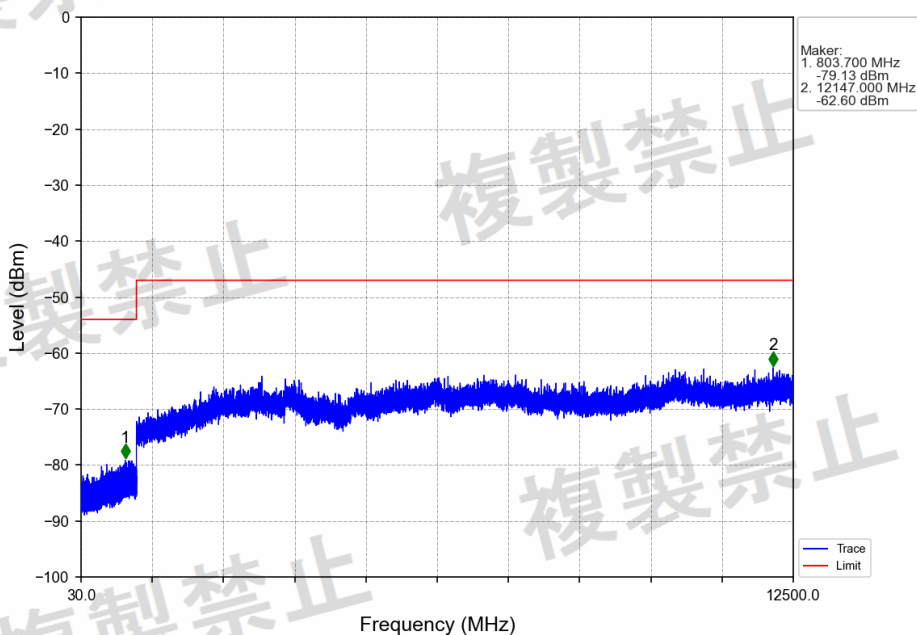
7.2 TEST GRAPH
7.2.1 RXSE NTV



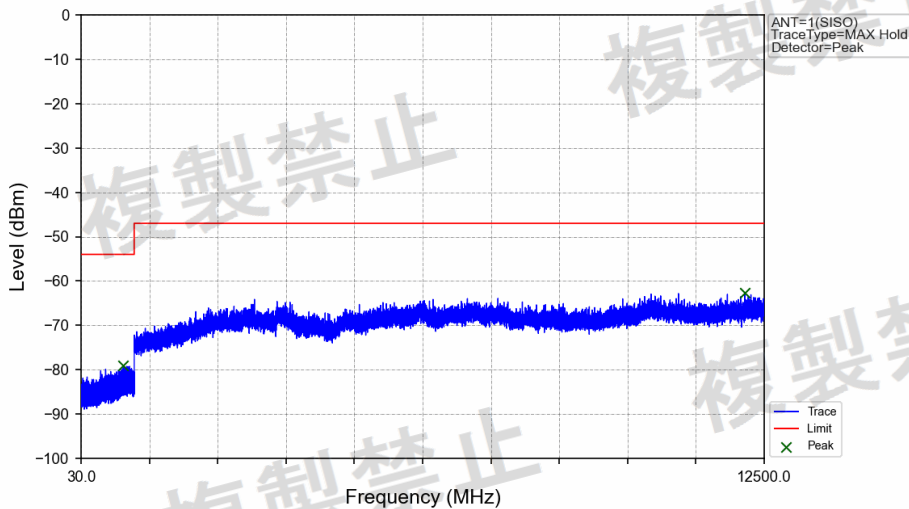




GFSK_DH5_2480MHz_Ant1_NTNV



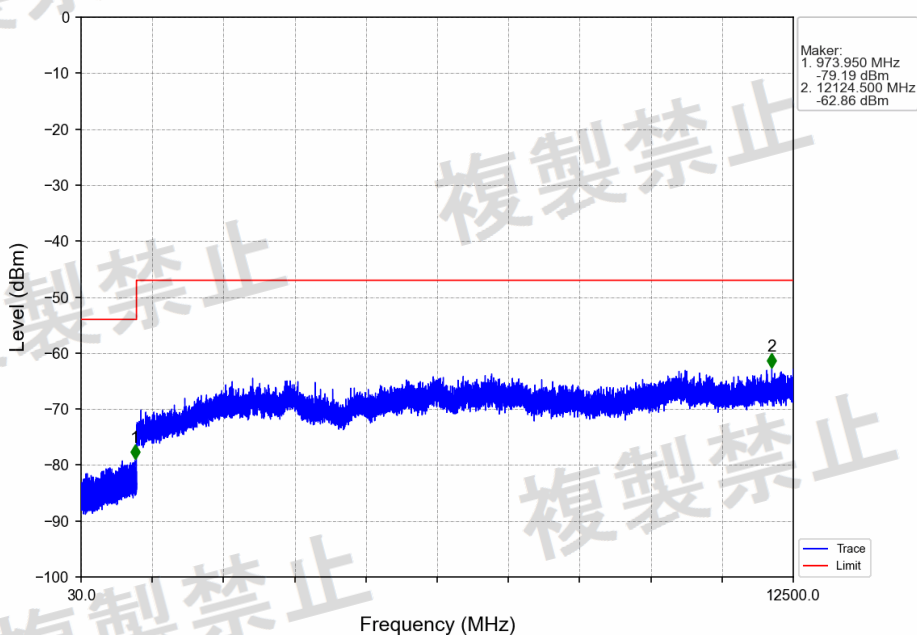
GFSK_DH5_2480MHz_Ant1_NTNV



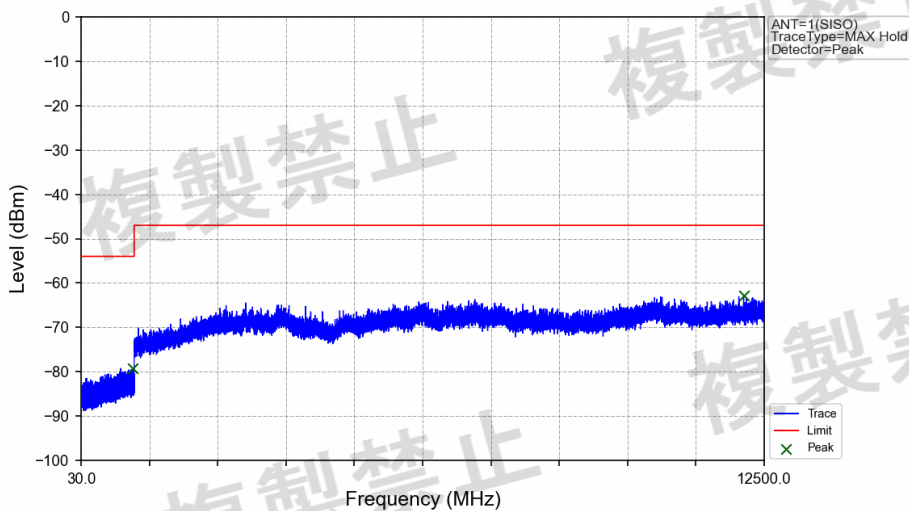
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	803.700	-79.13	/	-54	Pass
1000	12500	1	1	12147.000	-62.60	/	-47	Pass



Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



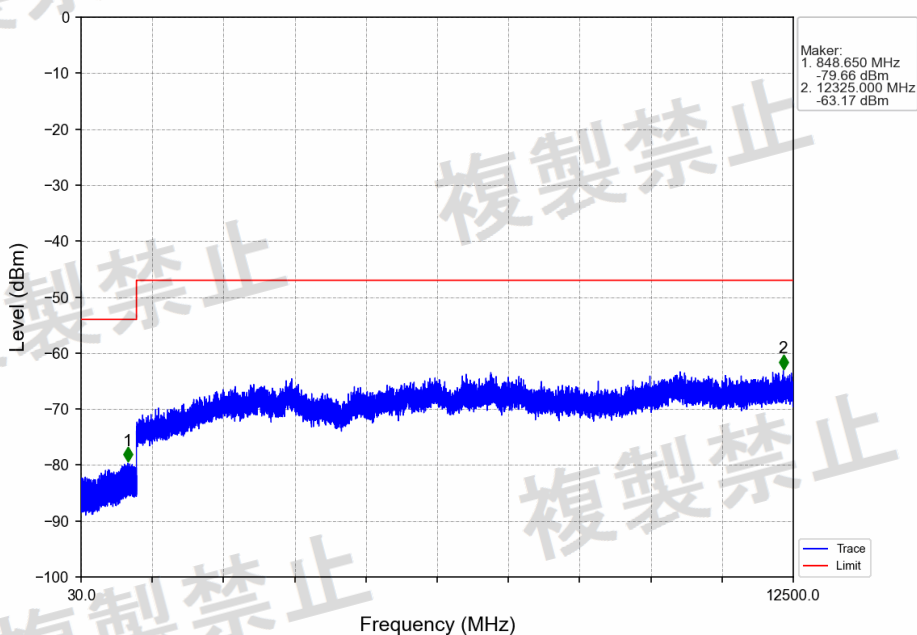
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTNV



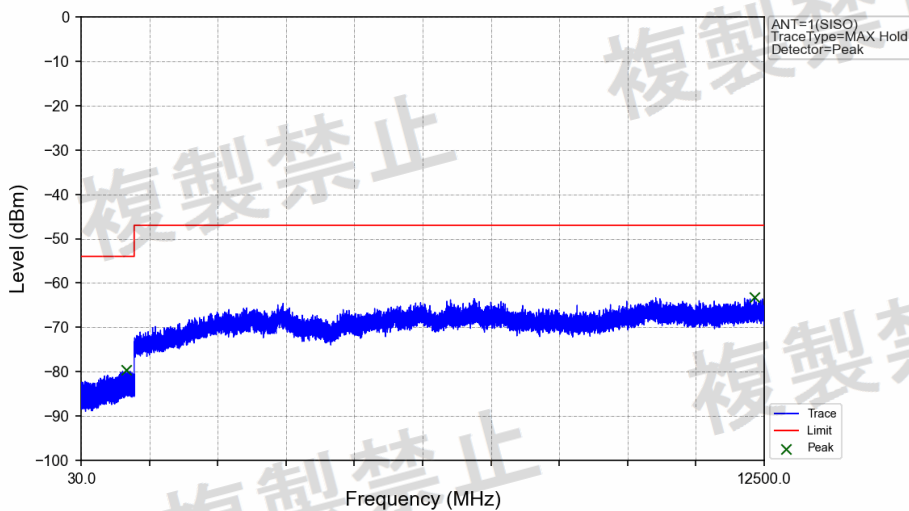
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	973.950	-79.19	/	-54	Pass
1000	12500	1	1	12124.500	-62.86	/	-47	Pass



Pi/4DQPSK_2DH5_2441MHz_Ant1_NTNV



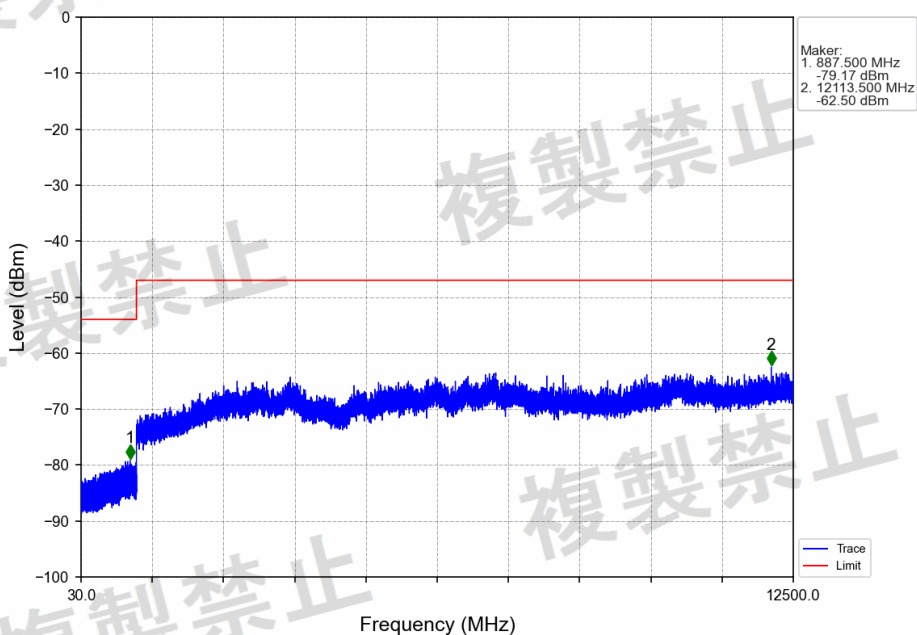
Pi/4DQPSK_2DH5_2441MHz_Ant1_NTNV



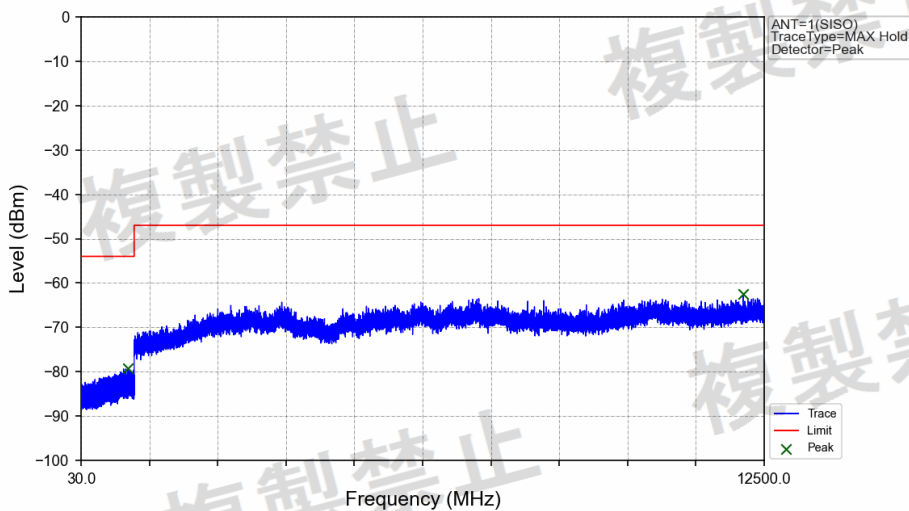
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	848.650	-79.66	/	-54	Pass
1000	12500	1	1	12325.000	-63.17	/	-47	Pass



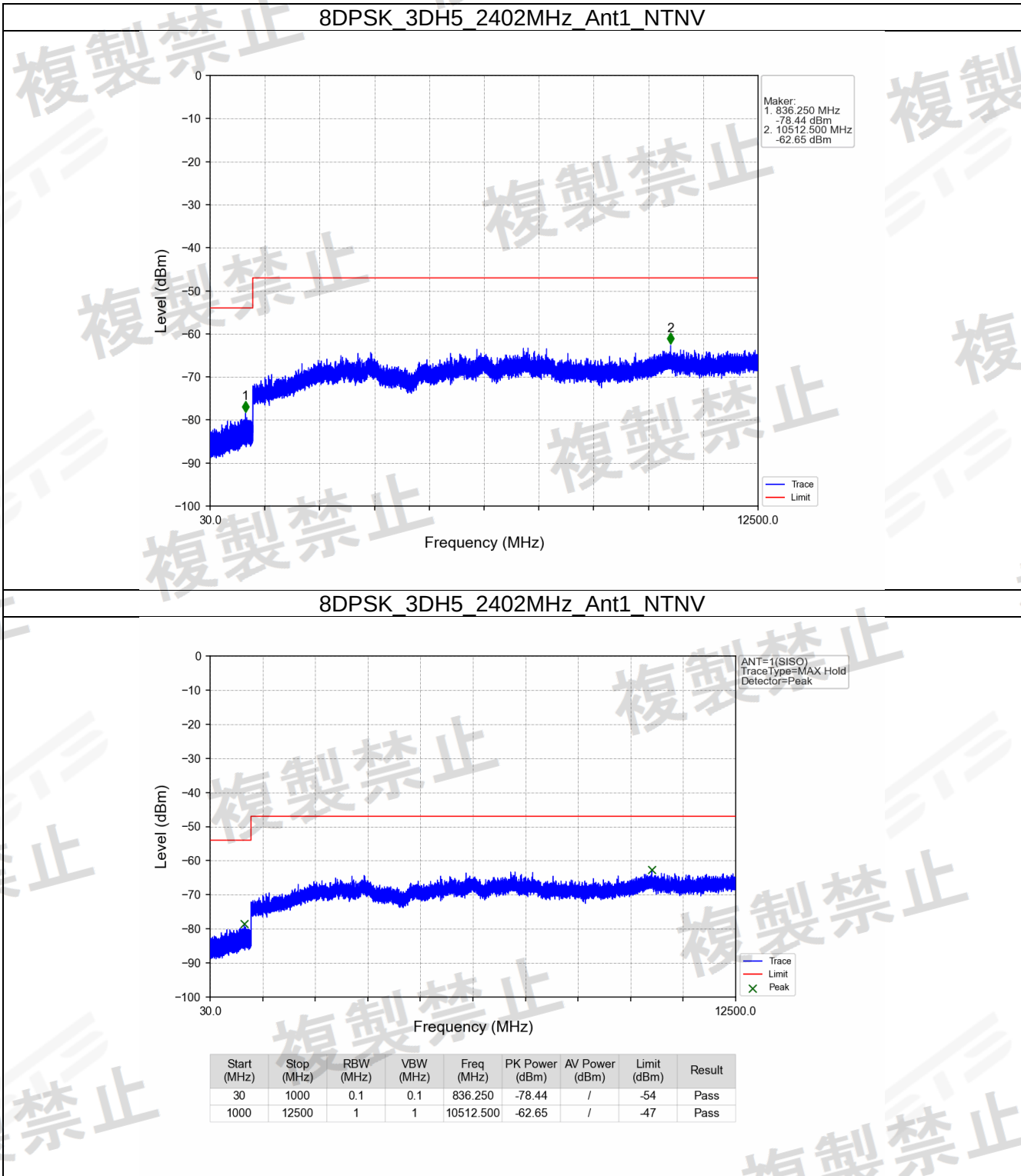
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV

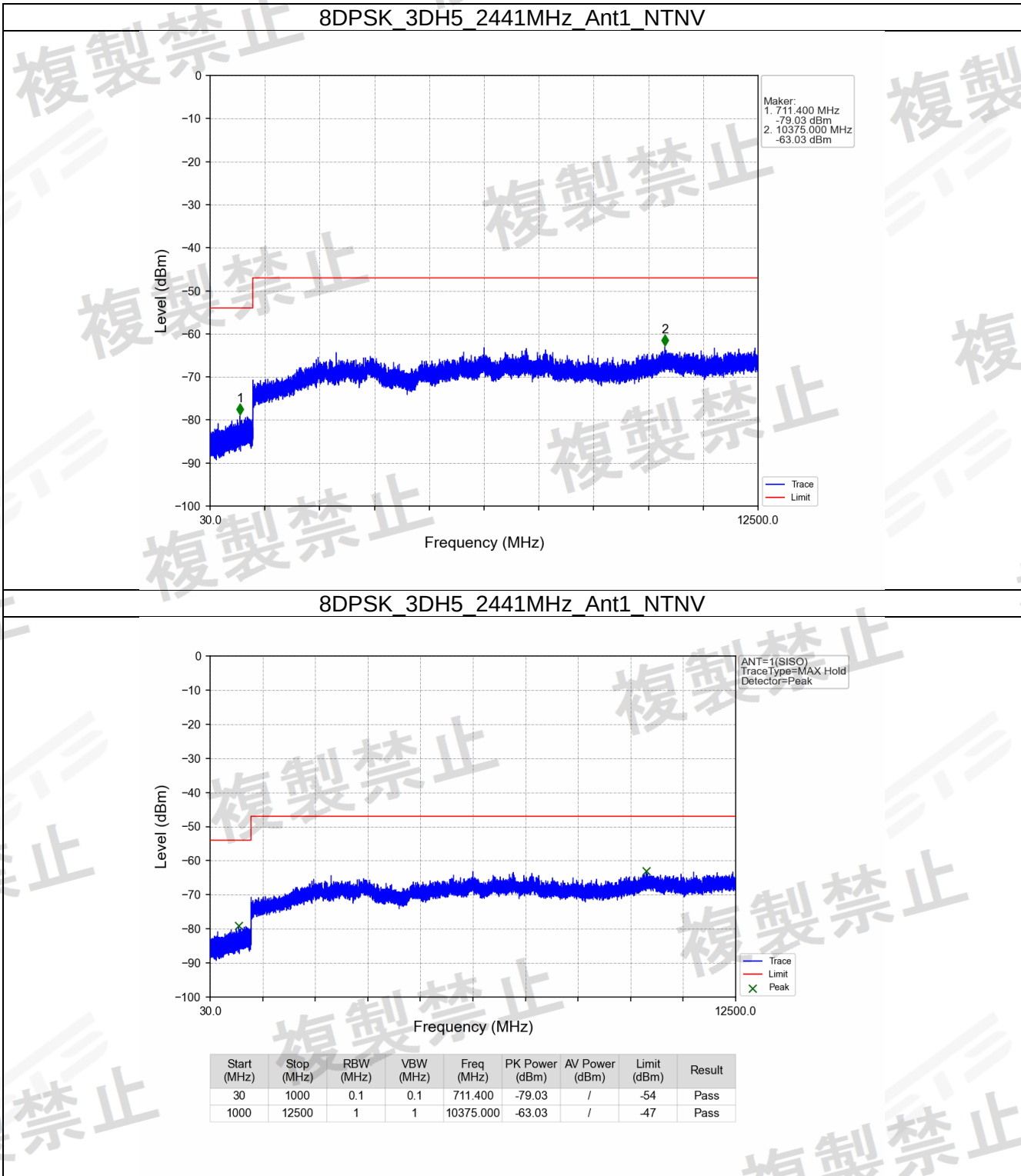


Pi/4DQPSK_2DH5_2480MHz_Ant1_NTNV



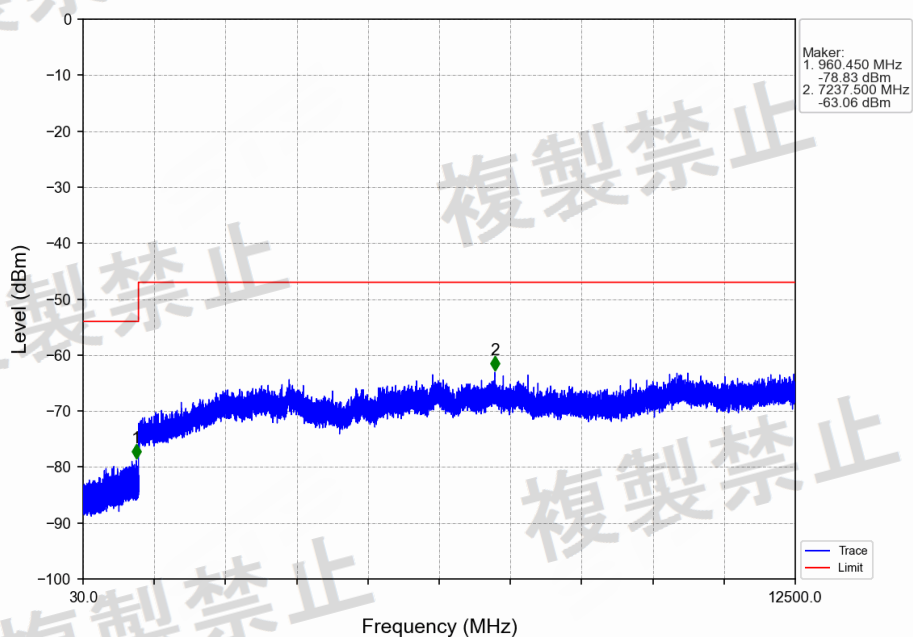
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	887.500	-79.17	/	-54	Pass
1000	12500	1	1	12113.500	-62.50	/	-47	Pass



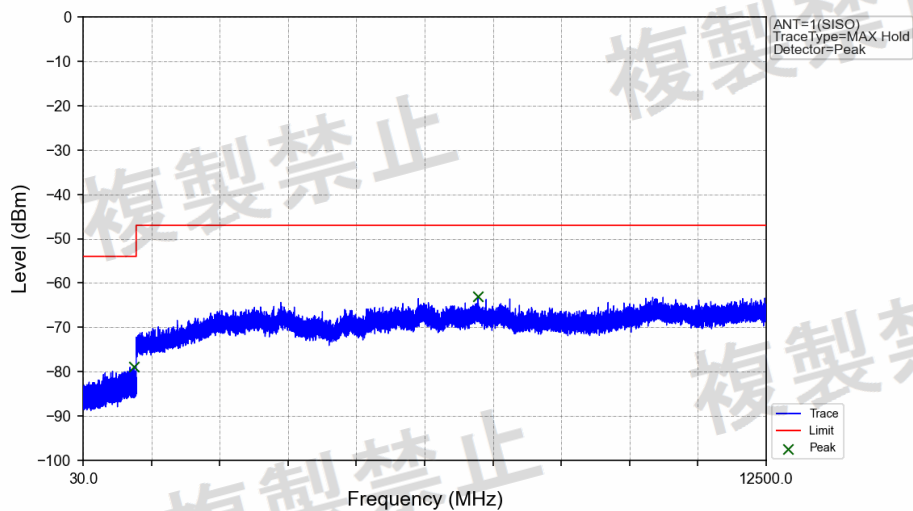




8DPSK_3DH5_2480MHz_Ant1_NTNV



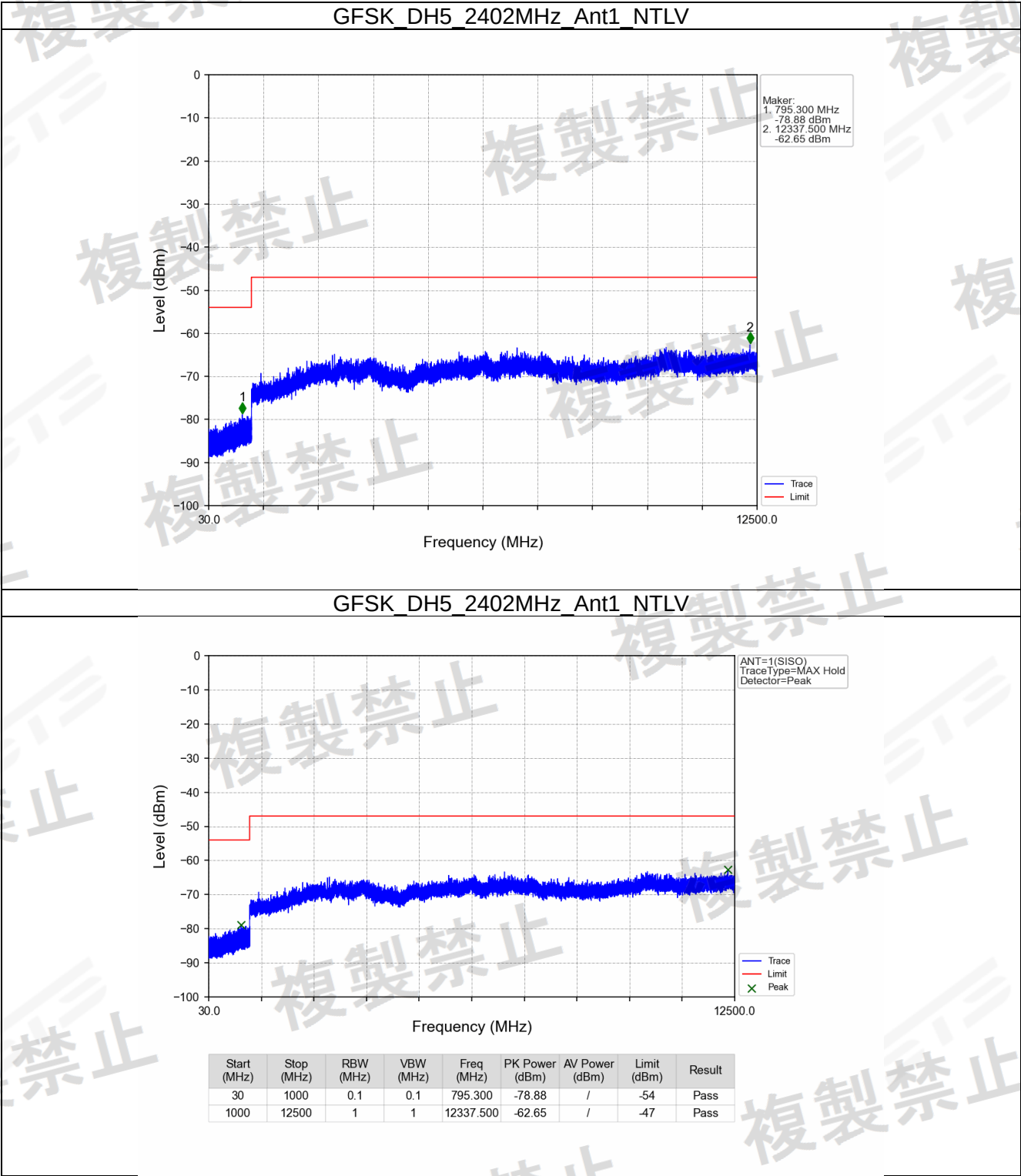
8DPSK_3DH5_2480MHz_Ant1_NTNV

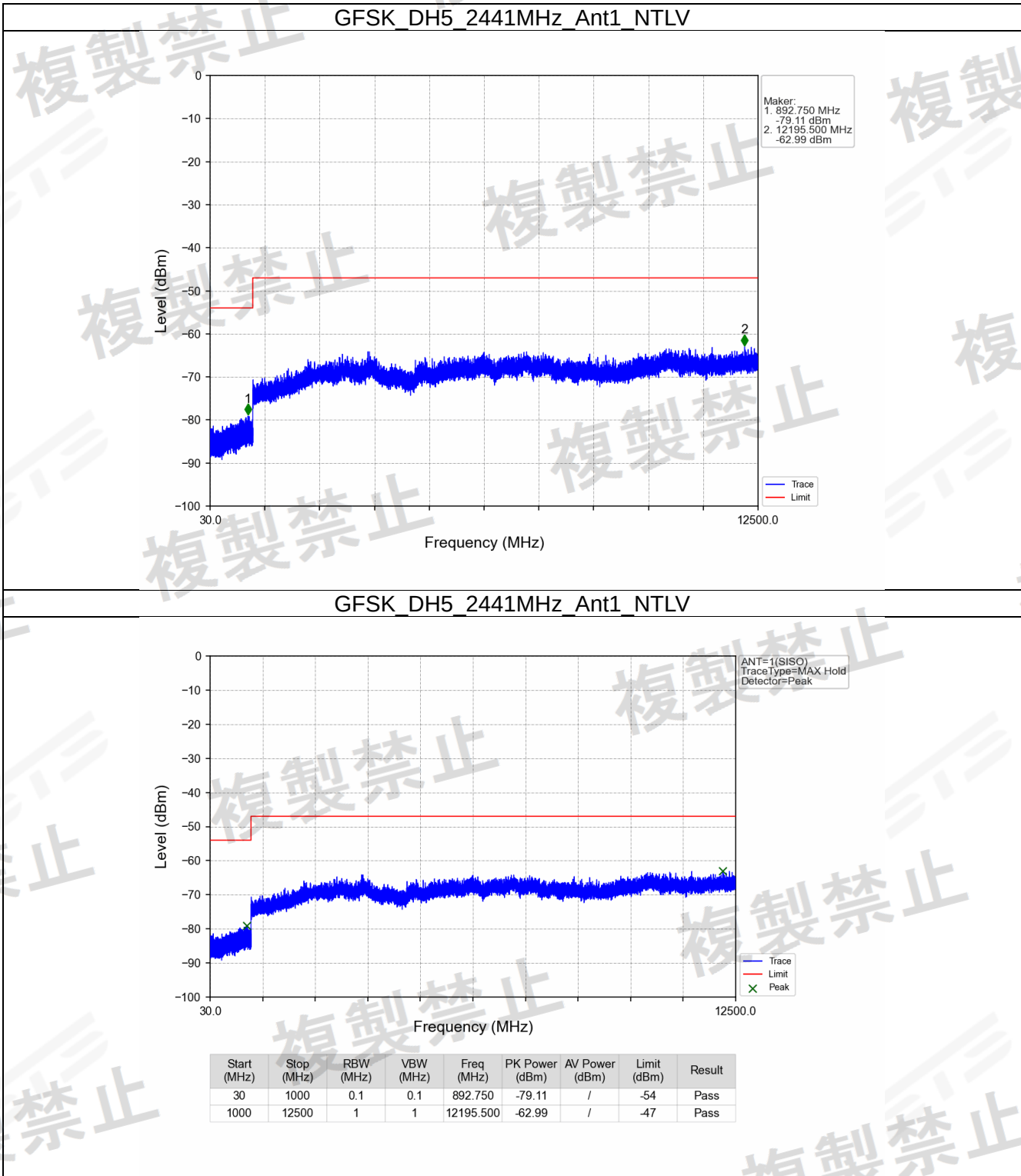


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	960.450	-78.83	/	-54	Pass
1000	12500	1	1	7237.500	-63.06	/	-47	Pass



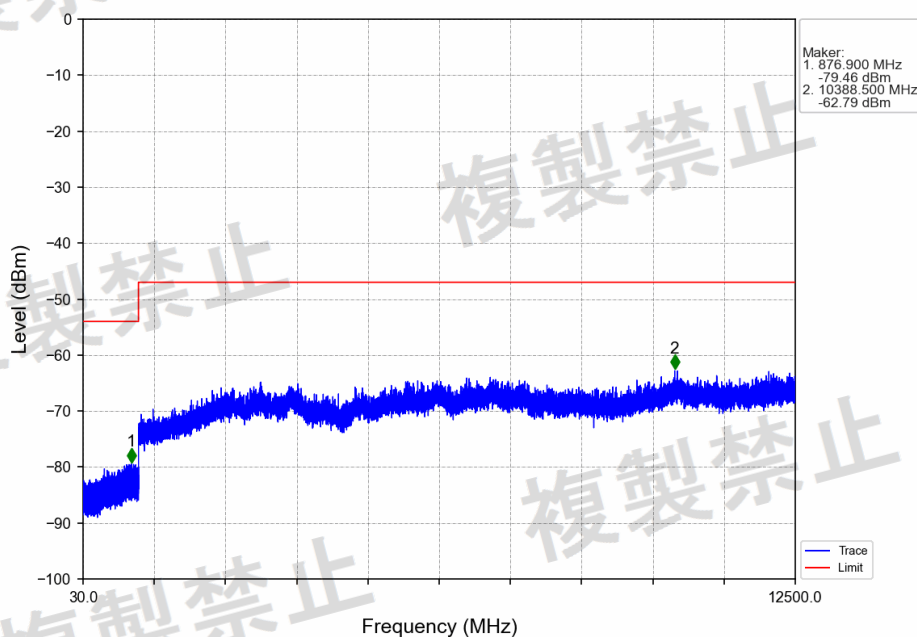
7.2.2 RXSE NTLV



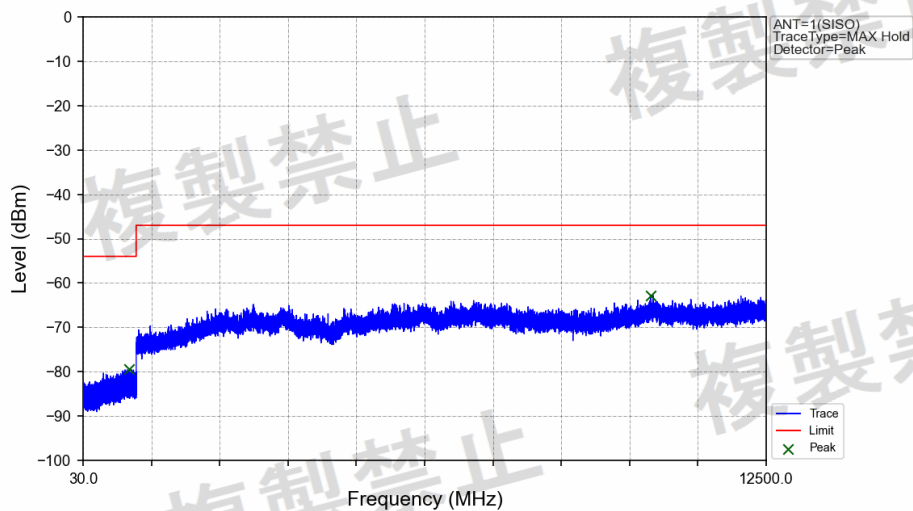




GFSK_DH5_2480MHz_Ant1_NTLV



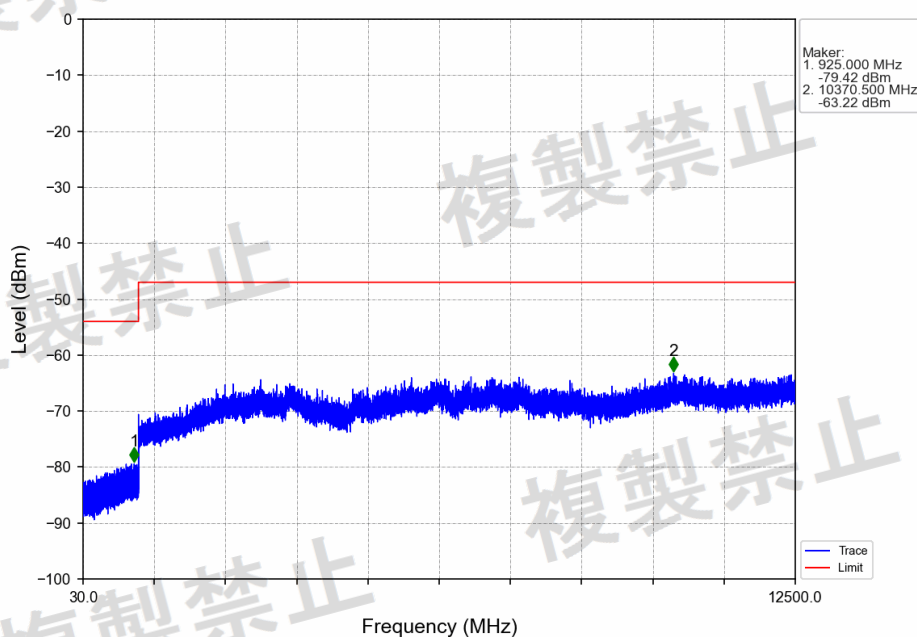
GFSK_DH5_2480MHz_Ant1_NTLV



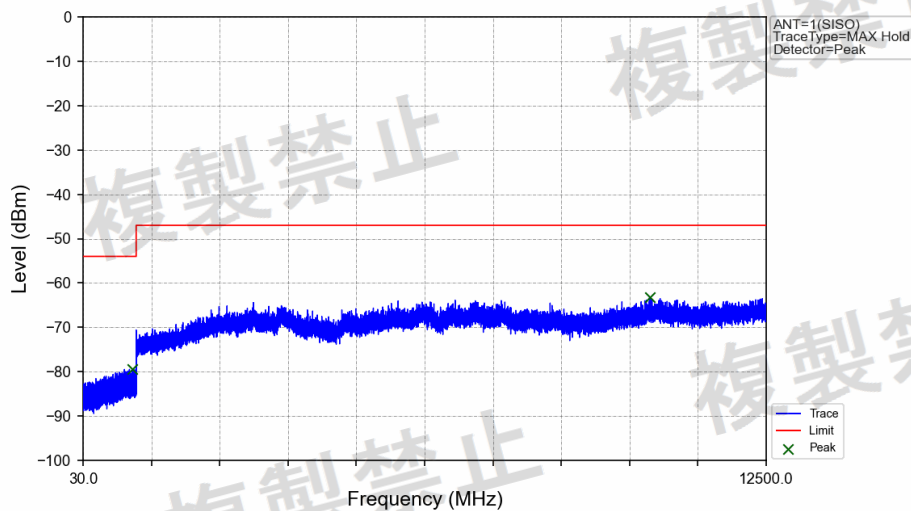
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	876.900	-79.46	/	-54	Pass
1000	12500	1	1	10388.500	-62.79	/	-47	Pass



Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV



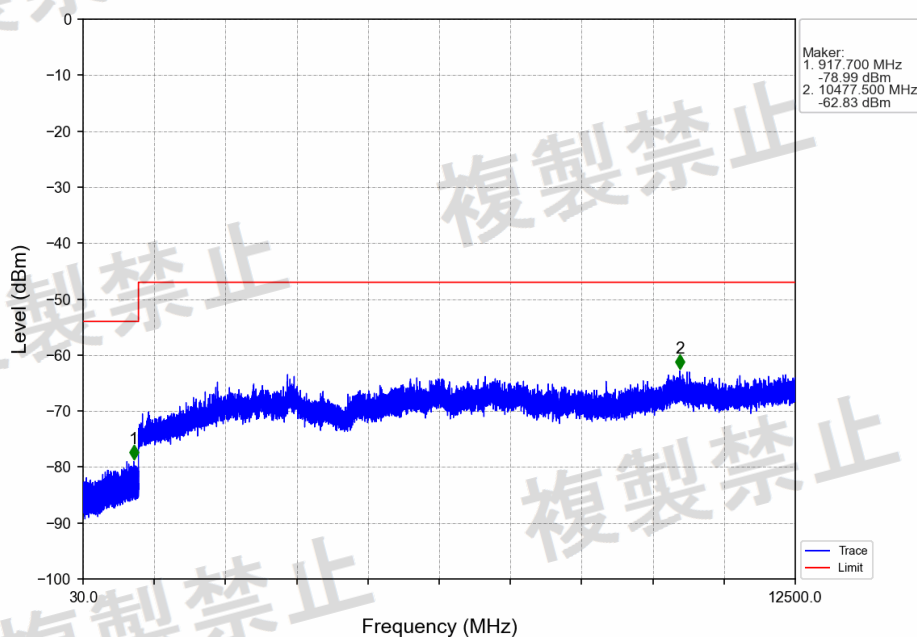
Pi/4DQPSK_2DH5_2402MHz_Ant1_NTLV



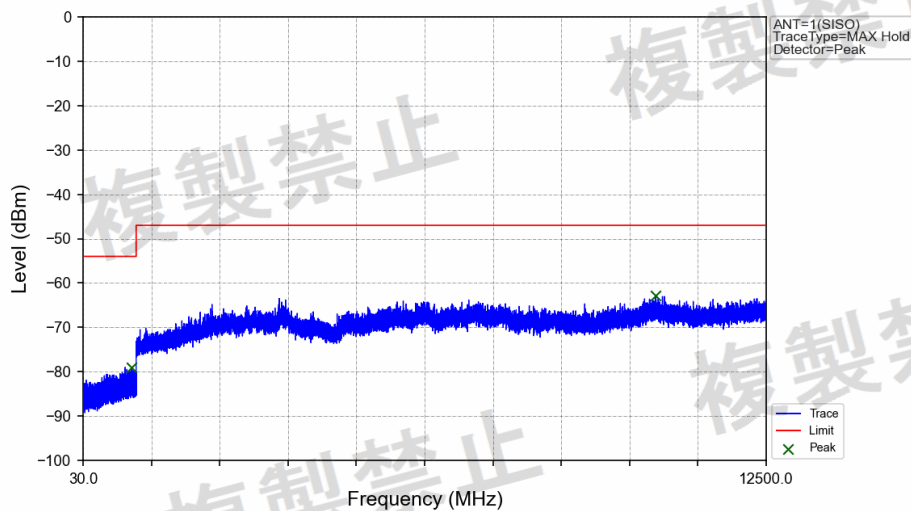
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	925.000	-79.42	/	-54	Pass
1000	12500	1	1	10370.500	-63.22	/	-47	Pass



Pi/4DQPSK_2DH5_2441MHz_Ant1_NTLV



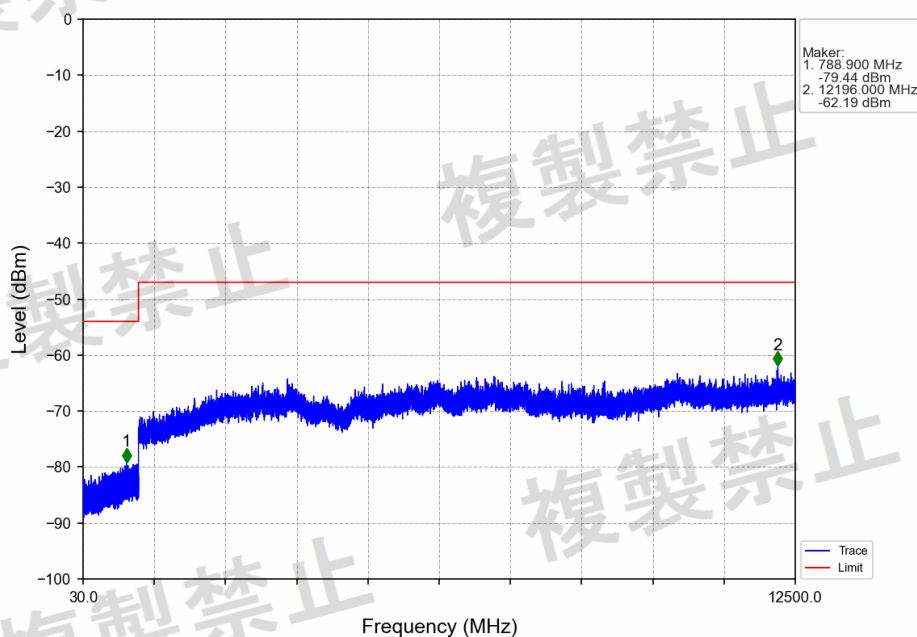
Pi/4DQPSK_2DH5_2441MHz_Ant1_NTLV



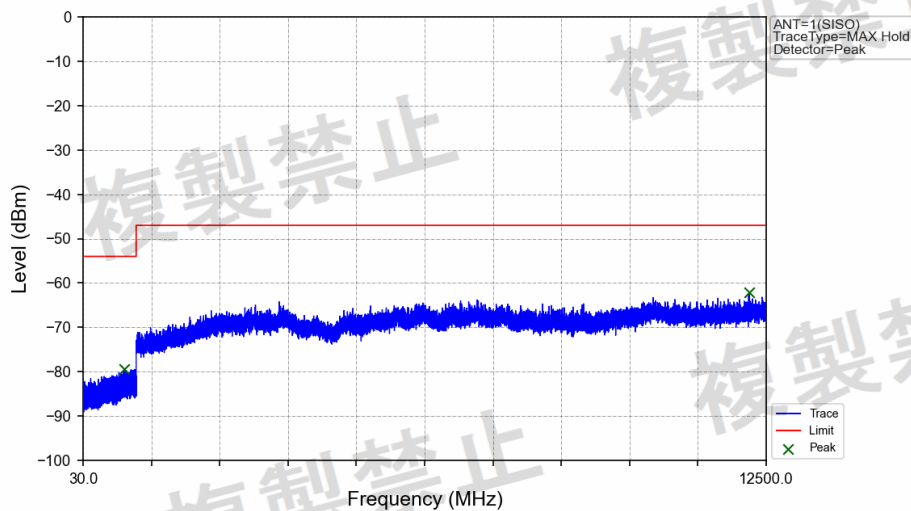
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	917.700	-78.99	/	-54	Pass
1000	12500	1	1	10477.500	-62.83	/	-47	Pass



Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV



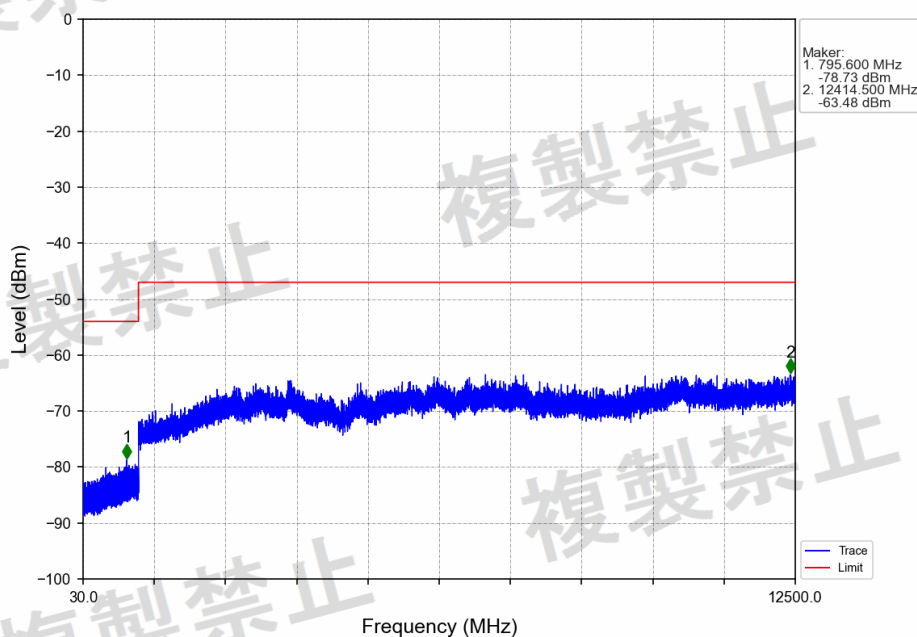
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTLV



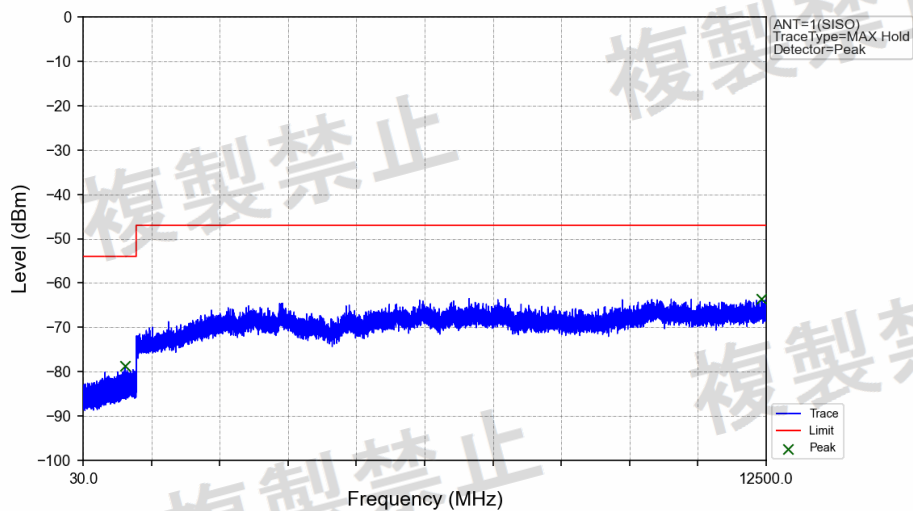
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	788.900	-79.44	/	-54	Pass
1000	12500	1	1	12196.000	-62.19	/	-47	Pass



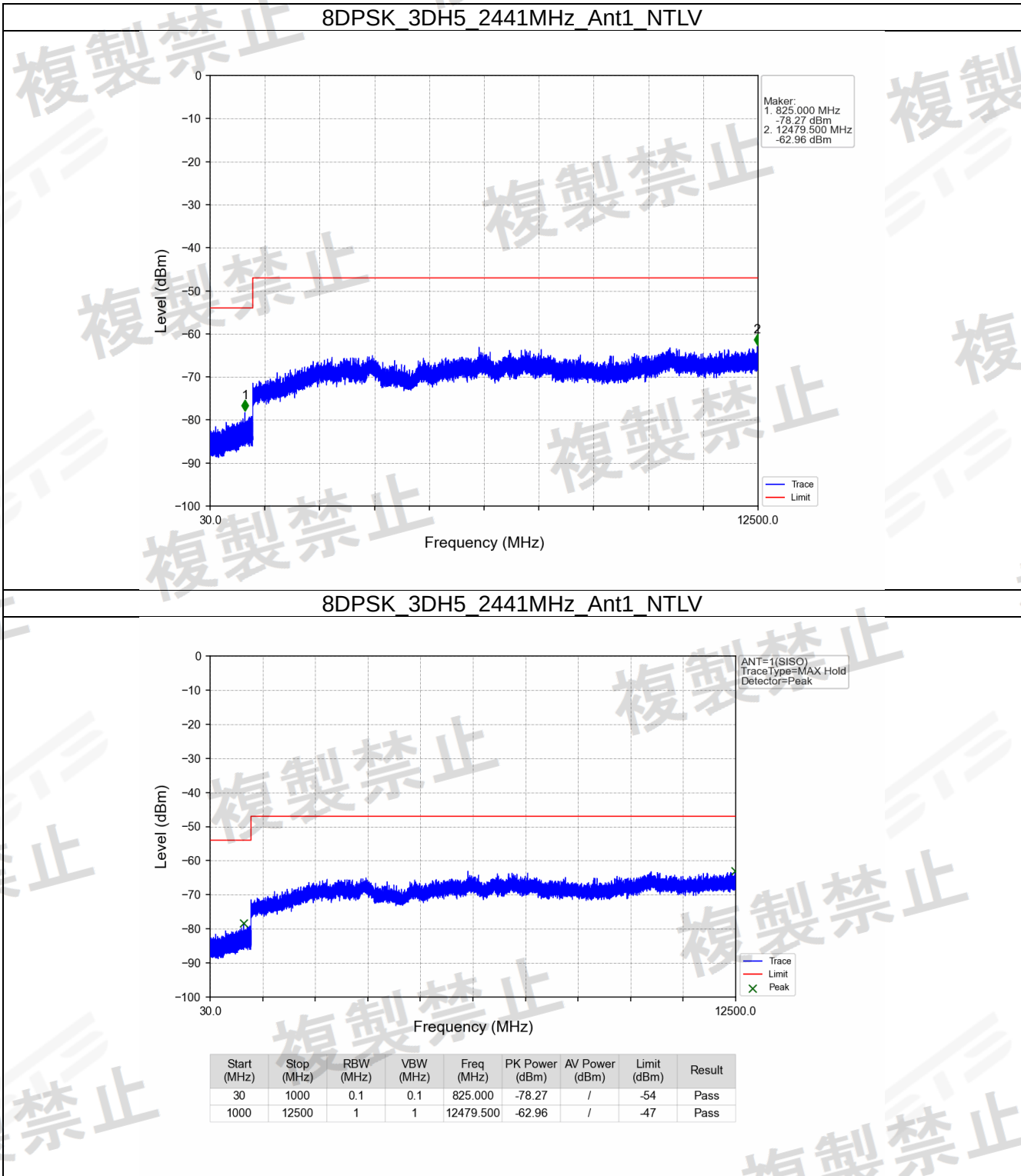
8DPSK_3DH5_2402MHz_Ant1_NTLV



8DPSK_3DH5_2402MHz_Ant1_NTLV

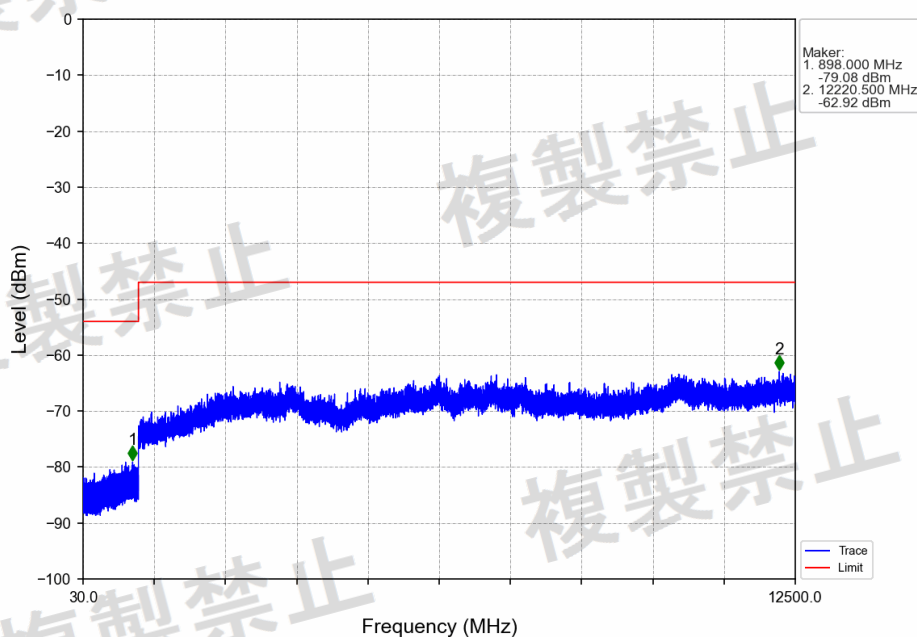


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	795.600	-78.73	/	-54	Pass
1000	12500	1	1	12414.500	-63.48	/	-47	Pass

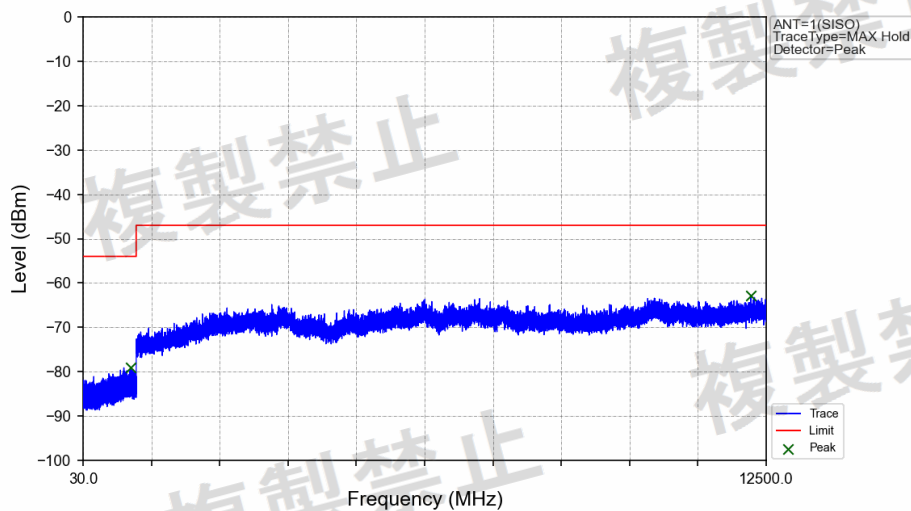




8DPSK_3DH5_2480MHz_Ant1_NTLV



8DPSK_3DH5_2480MHz_Ant1_NTLV

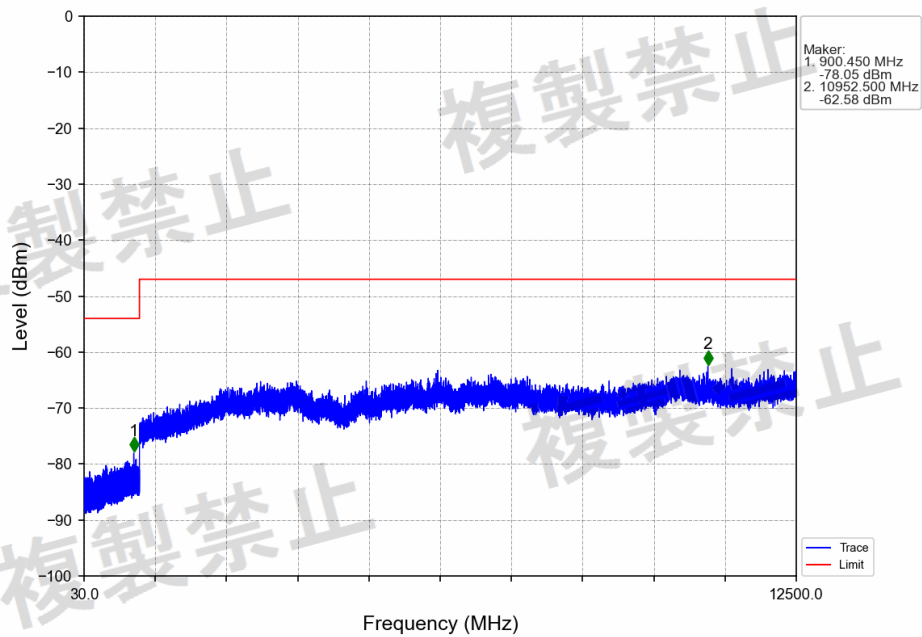


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	898.000	-79.08	/	-54	Pass
1000	12500	1	1	12220.500	-62.92	/	-47	Pass

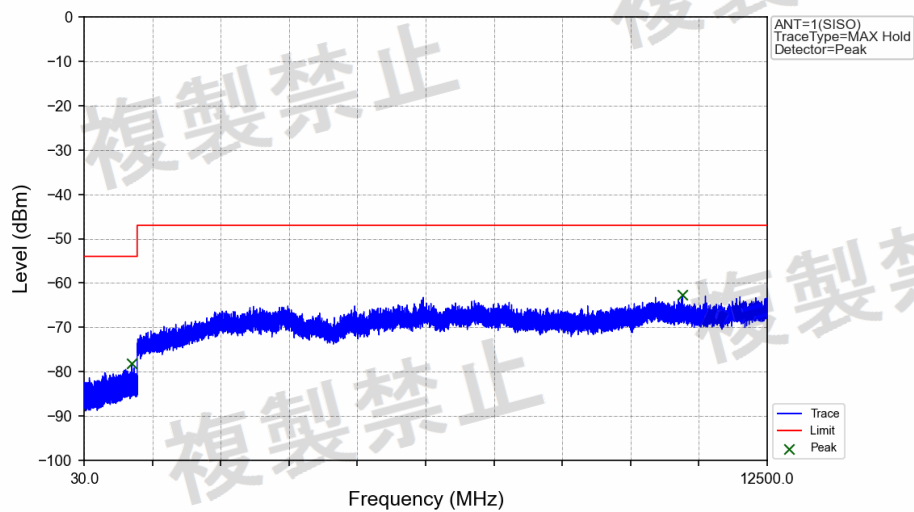


7.2.3 RXSE NTHV

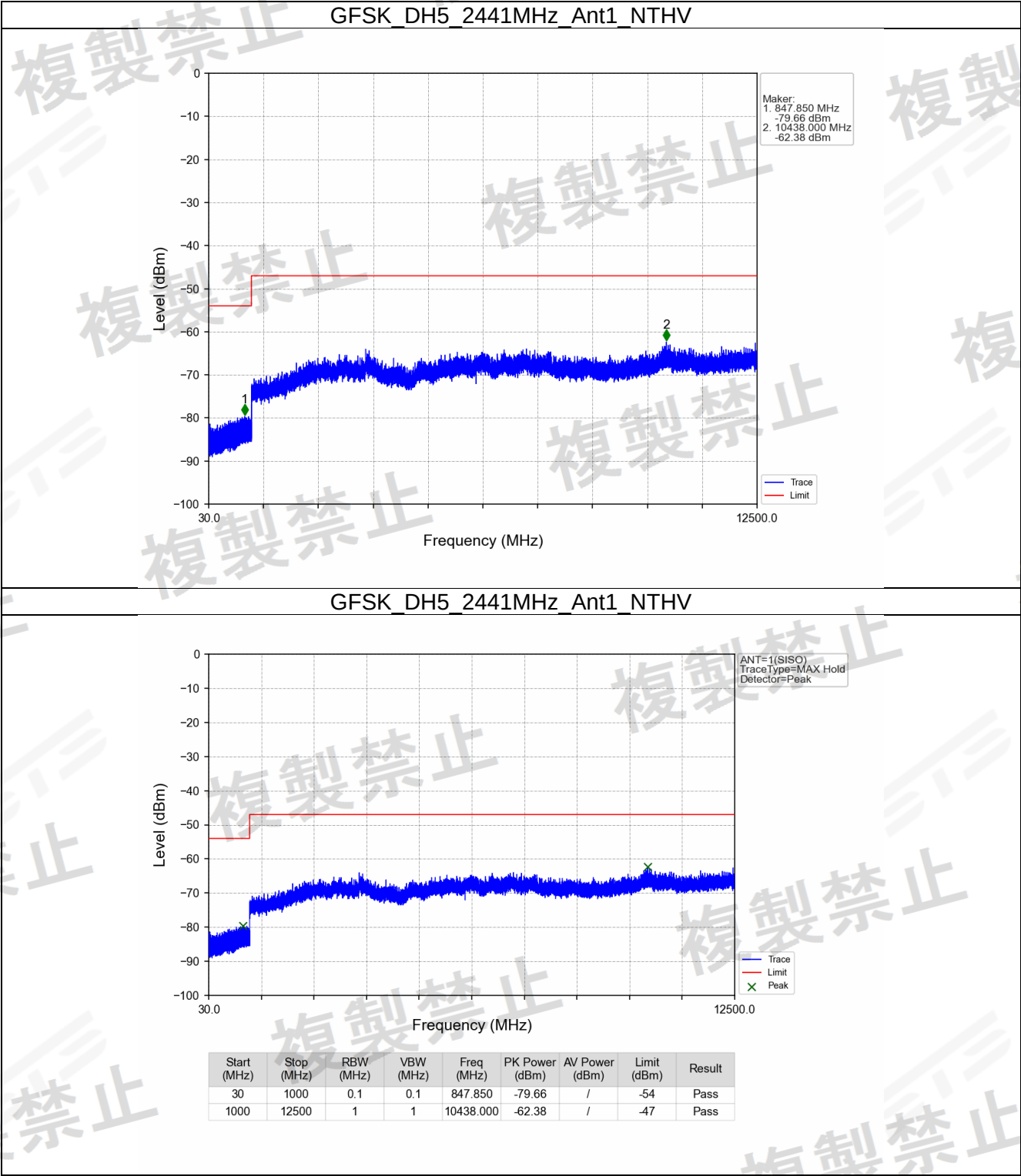
GFSK_DH5_2402MHz_Ant1_NTHV



GFSK_DH5_2402MHz_Ant1_NTHV

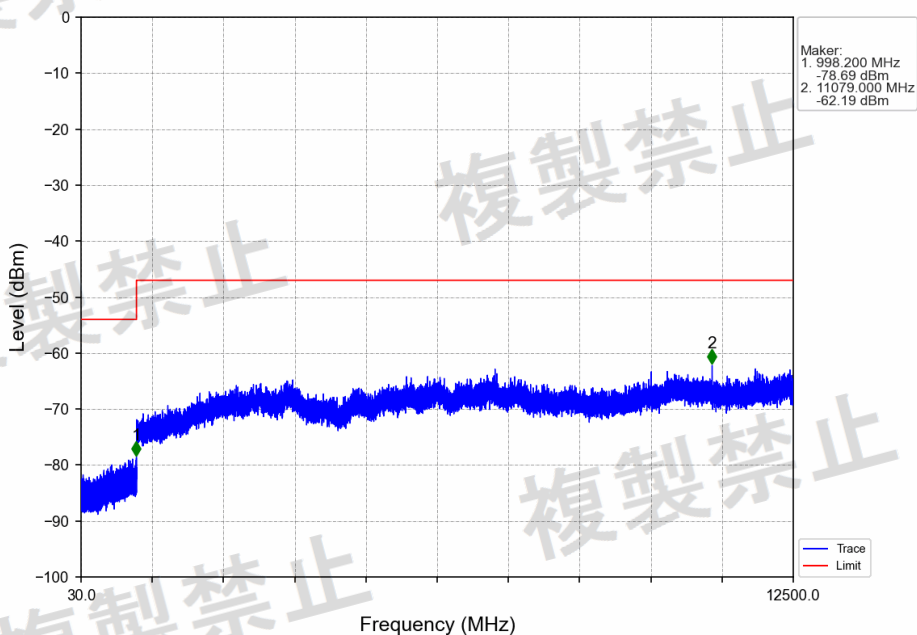


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	900.450	-78.05	/	-54	Pass
1000	12500	1	1	10952.500	-62.58	/	-47	Pass

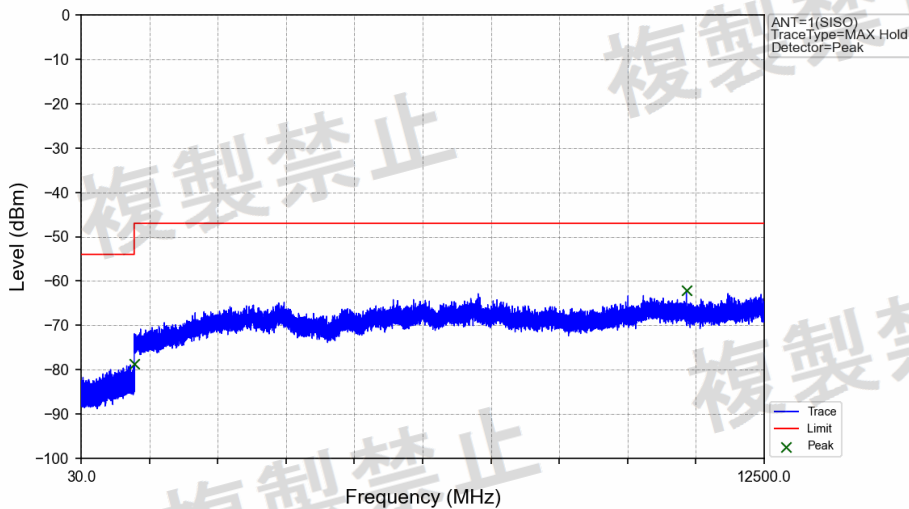




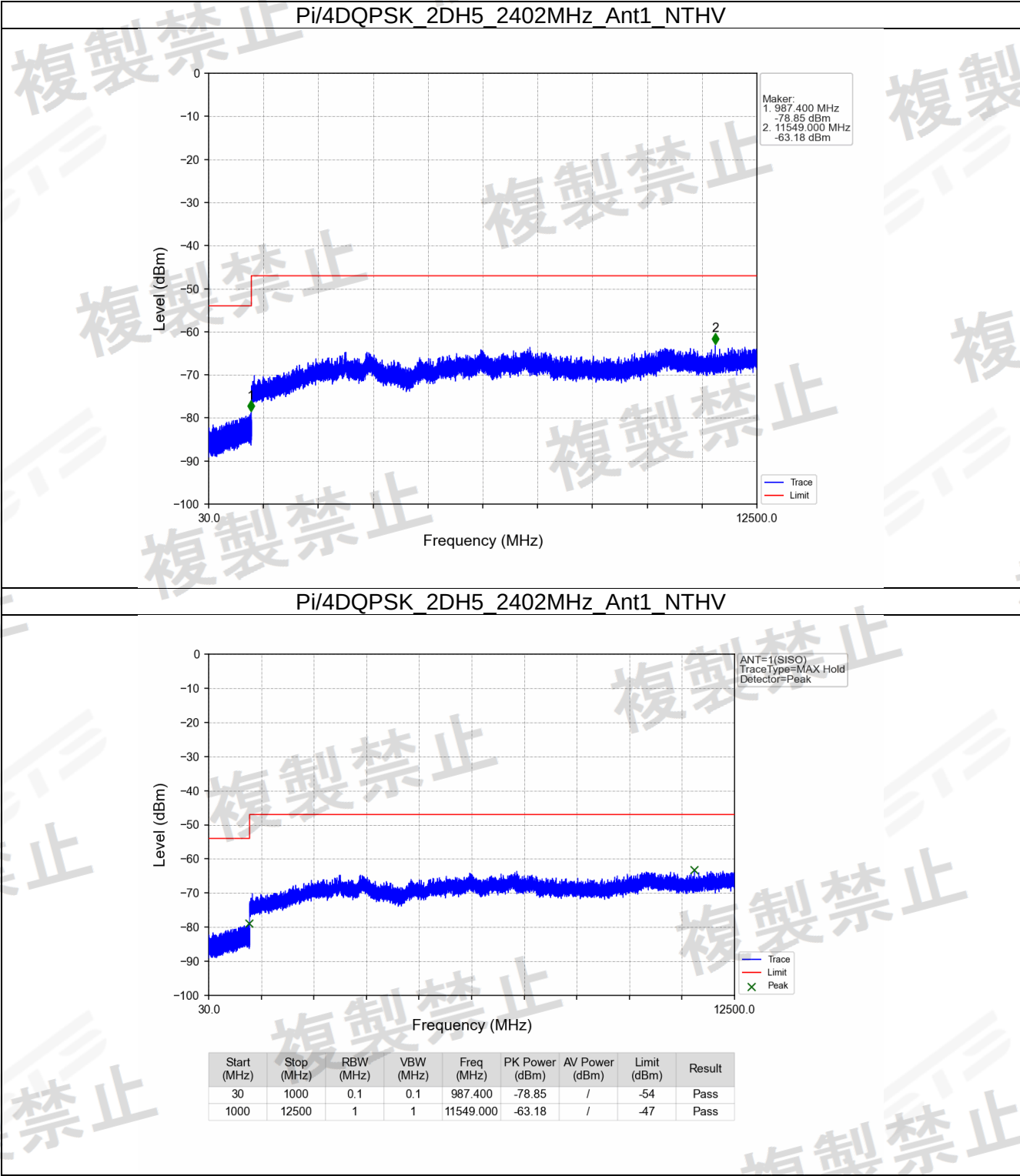
GFSK_DH5_2480MHz_Ant1_NTHV



GFSK_DH5_2480MHz_Ant1_NTHV

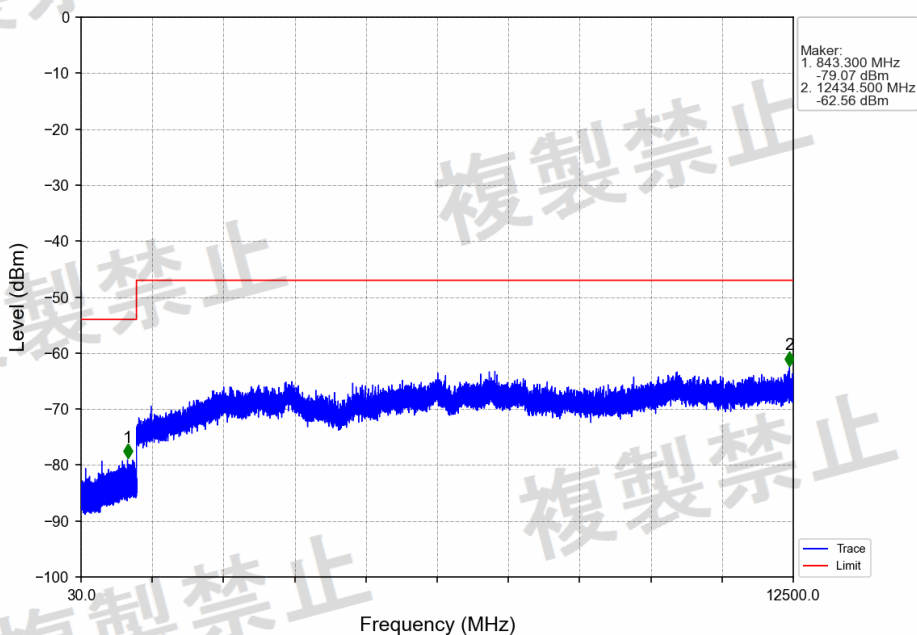


Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	998.200	-78.69	/	-54	Pass
1000	12500	1	1	11079.000	-62.19	/	-47	Pass

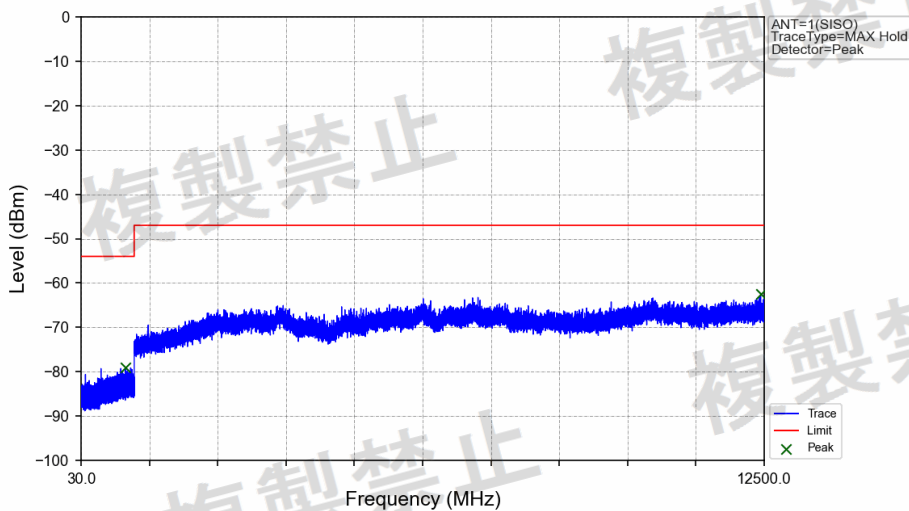




Pi/4DQPSK_2DH5_2441MHz_Ant1_NTHV



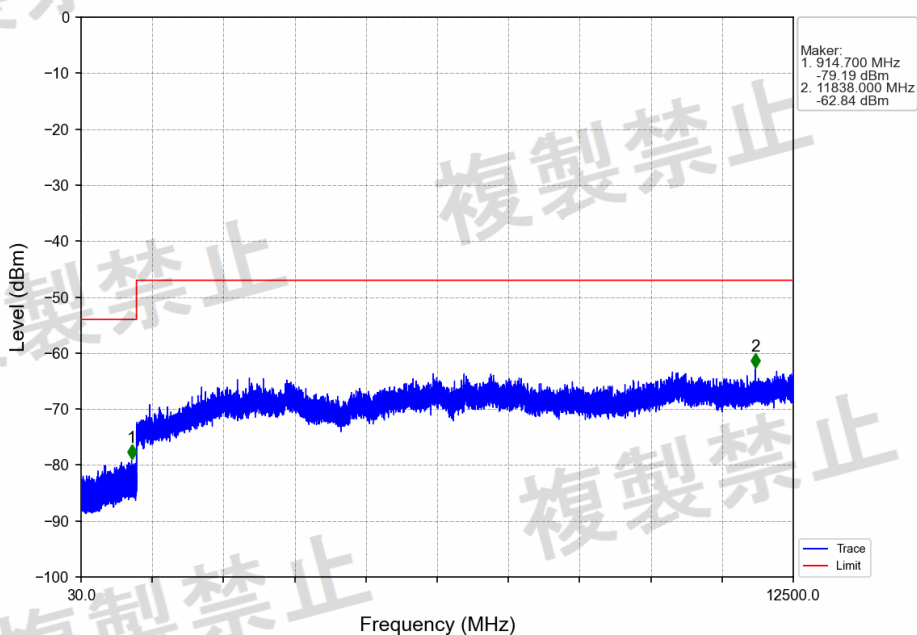
Pi/4DQPSK_2DH5_2441MHz_Ant1_NTHV



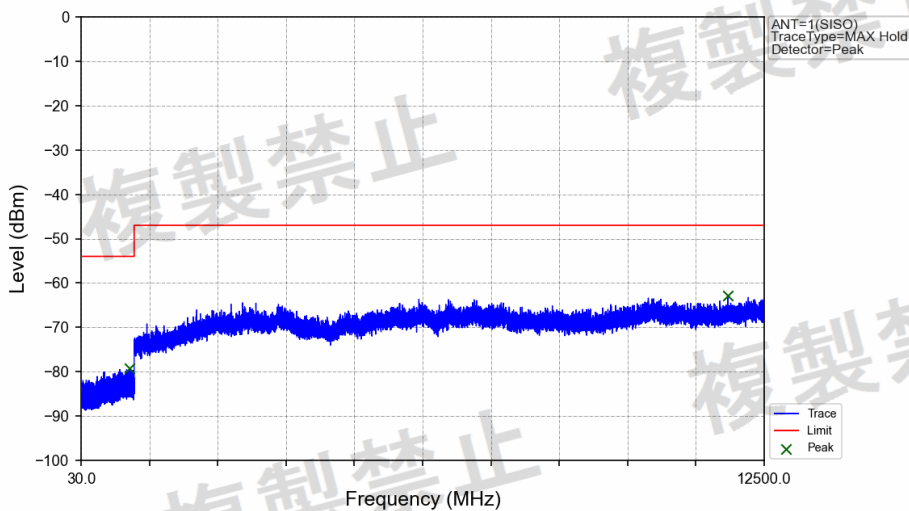
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	843.300	-79.07	/	-54	Pass
1000	12500	1	1	12434.500	-62.56	/	-47	Pass



Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV



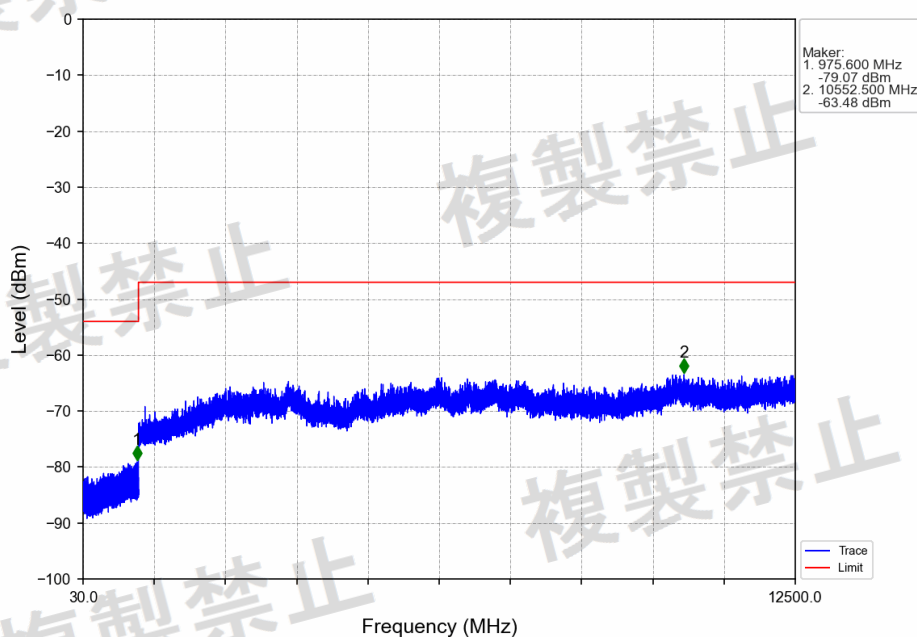
Pi/4DQPSK_2DH5_2480MHz_Ant1_NTHV



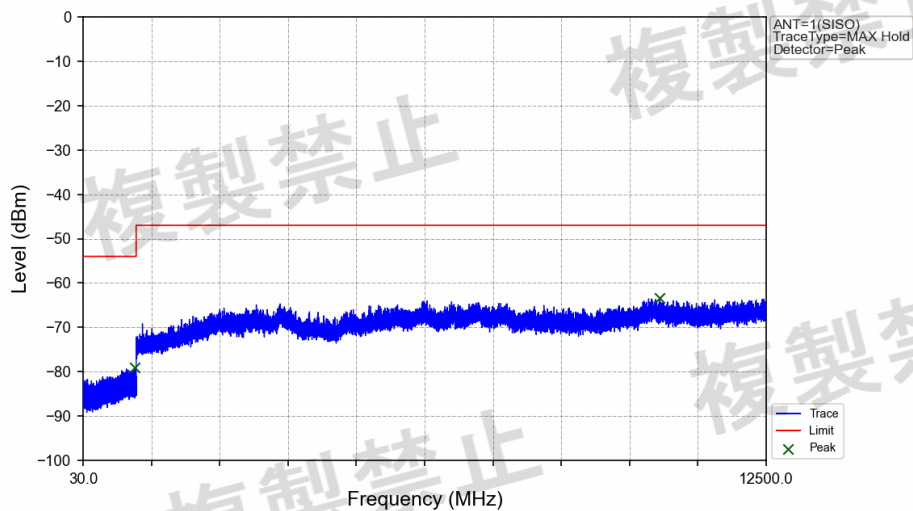
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	914.700	-79.19	/	-54	Pass
1000	12500	1	1	11838.000	-62.84	/	-47	Pass



8DPSK_3DH5_2402MHz_Ant1_NTHV



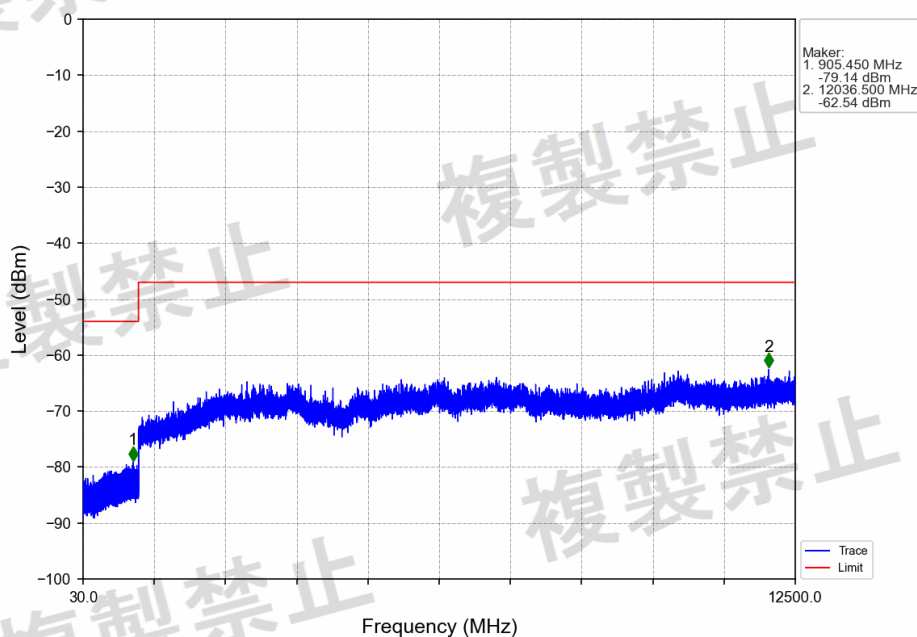
8DPSK_3DH5_2402MHz_Ant1_NTHV



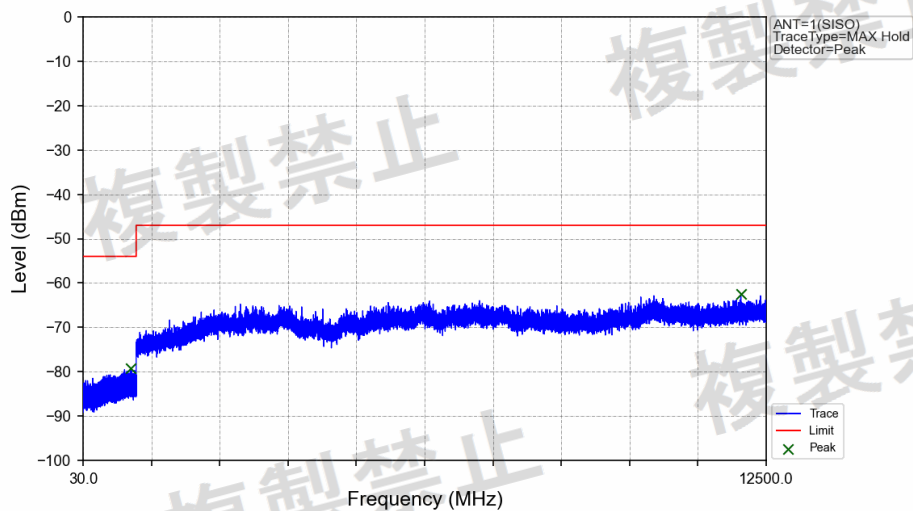
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	975.600	-79.07	/	-54	Pass
1000	12500	1	1	10552.500	-63.48	/	-47	Pass



8DPSK_3DH5_2441MHz_Ant1_NTHV



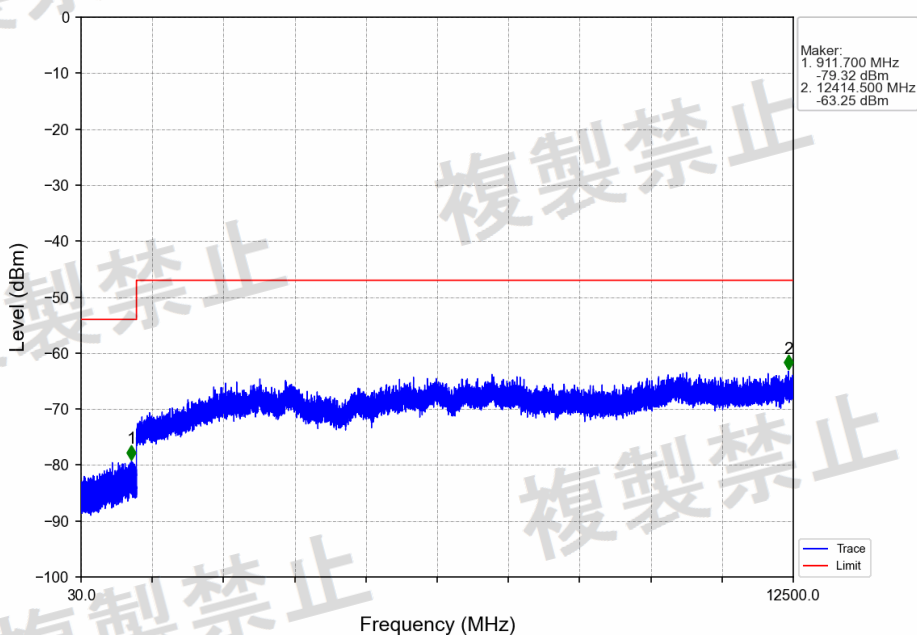
8DPSK_3DH5_2441MHz_Ant1_NTHV



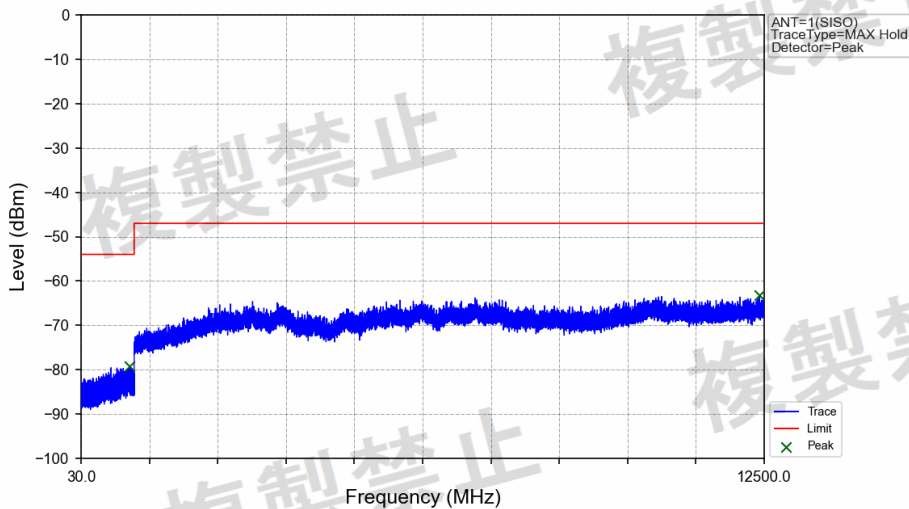
Start (MHz)	Stop (MHz)	RBW (MHz)	VBW (MHz)	Freq (MHz)	PK Power (dBm)	AV Power (dBm)	Limit (dBm)	Result
30	1000	0.1	0.1	905.450	-79.14	/	-54	Pass
1000	12500	1	1	12036.500	-62.54	/	-47	Pass



8DPSK_3DH5_2480MHz_Ant1_NTHV



8DPSK_3DH5_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	911.700	-79.32	/	-54	Pass
1000	12500	1	1	12414.500	-63.25	/	-47	Pass



APPENDIX 2-EUT TEST PHOTO

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※END OF THE REPORT※※※※※