



Test Report

Application No.: DNT2603300584R01887-03185
Applicant: Oddball Studios Ltd.
Address of Applicant: 71 Francis Road, Edgbaston, Birmingham, United KINGDOM, B16 8SP.
EUT Description: ODD ball
Model No.: 1.0
Trade Mark: ODD®
Standards: Item 19 of Article 2 Paragraph 1
MIC Notice No.88 Appendix No.43
Date of Receipt: 2026/3/30
Date of Test: 2026/3/30 to 2026/4/20
Date of Issue: 2026/4/30
Test Result: PASS *

Prepared By: Galk. Lin (Testing Engineer)

Reviewed By: Wayne. Lin (Project Engineer)

Approved By: Yense Shen (Manager)



Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

Dongguan DN Testing Co., Ltd.

Add: No. 1, West Fourth Street, Xingfa South Road, Wusha Community, Chang 'an Town, Dongguan City, Guangdong P.R.China

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Date: April 30, 2026

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	April 30, 2026	Valid	Original Report



1 Test Summary

Test	Test Method	Limit/Severity	Result
Antenna Requirement	MIC Notice No.88 Appendix No.43	Notice 88 Appendix 43, B-1 (1) & (2)	PASS
Test frequency	MIC Notice No.88 Appendix No.43	Notice 88 Appendix 43, A-3	PASS
Frequency Error	MIC Notice No.88 Appendix No.43	$\leq \pm 50$ ppm	PASS
Occupied Bandwidth	MIC Notice No.88 Appendix No.43	Others: ≤ 26 MHz	PASS
Spread Bandwidth	MIC Notice No.88 Appendix No.43	≥ 0.5 MHz	PASS
Antenna Power and Tolerance	MIC Notice No.88 Appendix No.43 MIC Notice No.88 Appendix No.43	Others: ≤ 10 mW Tolerance: $+20\%$	PASS
Spurious Emission of Tx	MIC Notice No.88 Appendix No.43	< 2387 MHz $\leq 2.5\mu$ W/MHz 2387 ~ 2400MHz $\leq 25\mu$ W/MHz 2483.5 ~ 2496.5MHz $\leq 25\mu$ W/MHz >2496.5MHz $\leq 2.5\mu$ W/MHz	PASS
Interference prevention capability	MIC Notice No.88 Appendix No.43	Notice 88 Appendix 43, 44, 45	PASS
Spurious Emission of Rx	MIC Notice No.88 Appendix No.43	(1) Below 1 GHz: ≤ 4 nW (2) Above 1 GHz: ≤ 20 nW	PASS

Remark:

EUT: In this whole report EUT means Equipment Under Test.

Tx: In this whole report Tx (or tx) means Transmitter.

Rx: In this whole report Rx (or rx) means Receiver.

RF: In this whole report RF means Radio Frequency.

Item 19 of Article 2 Paragraph 1



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2 General Information

2.1 General Description of E.U.T.

Manufacturer:	Royal Enterprizes LLC.		
Address of Manufacturer:	No.1341 Yuyuan Road, Shanghai China		
Factory:	Shenzhen Comiso Digital Technology Limited		
Address of Factory:	Area A,12/F,XinLong Technology Park,SongGang Town,Baoan,Shenzhen,China.		
Product Name:	ODD ball		
Model No.:	1.0		
Additional Model:	/		
Trade Mark:	ODD®		
Hardware Version:	V1.6		
Software Version:	V1.0		
Operating Frequency:	2402MHz to 2480MHz		
Bluetooth version:	V5.0		
Declared Antenna Power:	1mW		
Type of Modulation:	GFSK		
Number of Channels:	40 Channels		
Antenna Type:	☐ External, ☒ Integrated		
Antenna Gain*:	☒ Provided by client		
	0dBi		
RF Cable*:	☒ Provided by client		
	0.5dB(0.6~1GHz)	0.8dB(1.4~2GHz)	1.0dB(2.1~2.7GHz)
	1.5dB(3~4GHz)	1.8dB(4.4~6GHz)	
power supply:	Input DC 5V; DC 3.7V From Battery		
Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.			



2.2 Description of Support Units

The EUT has been tested as an independent unit.

2.3 Test Location

Company:	Dongguan DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xinfu Road, Wusha Liwu, Chang' an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Gali Lin

Remark: Our test report is under the quality assurance system according to ISO17025.

- **FCC, USA**

Designation Number: CN1348

- **A2LA (Certificate No. 7050.01)**

DONGGUAN DN TESTING CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 7050.01.

- **Innovation, Science and Economic Development Canada**

DONGGUAN DN TESTING CO., LTD. EMC Laboratory has been recognized by ISED as an accredited testing laboratory. CAB identifier is CN0149.

IC#: 30755.



2.4 Channel List

Operation Frequency of each channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz

2.5 Test Environment and Mode

Operating Environment:	
Temperature:	20~25.0 °C
Humidity:	45~56 % RH
Atmospheric Pressure:	101.0~101.30 KPa
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

2.6 Power Setting of Test Software

Software Name	nrfconnect-setup-5.2.1-x64		
Frequency(MHz)	2402	2440	2480
BLE 1M Setting	0	0	0
BLE 2M Setting	0	0	0

2.7 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Frequency Error	±1.9%
2	Antenna Power	±0.743dB
3	Occupied Bandwidth	±0.0196%
4	Spread Bandwidth	±0.0196%
5	Transmitter Spurious Emission Strength and Unwanted Emission Intensity	30MHz-1GHz:±0.746dB 1GHz-13GHz: ±1.328dB



2.8 Equipment List

For Connect EUT Antenna Terminal Test						
Description	Manufacturer	Model	Serial Number	Cal date	Due date	correcting mechanism
Signal Generator	Keysight	N5181A-6G	MY48180415	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Signal Generator	Keysight	N5182B	MY57300617	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Power supply	Keysight	E3640A	ZB2022656	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Radio Communication Tester	R&S	CMW500	105082	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Spectrum Analyzer	Aglient	N9010A	MY52221458	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
BT/WIFI Test Software	Tonscend	JS1120 V3.1.83	NA	NA	NA	NA
RF Control Unit	Tonscend	JS0806-2	22F8060581	NA	NA	NA
Power Sensor	Anritsu	ML2495A	2129005	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Pulse Power Sensor	Anritsu	MA2411B	1911397	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
temperature and humidity box	SCOTEK	SCD-C40-80PRO	6866682020008	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.
Voltmetre	FLUKE	F15B PRO	59755315WS	2025-10-21	2026-10-20	Dongguan DN Testing Co.,Ltd.

Note:

1. Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law.

☐ (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.

☐ (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.



3 Test Results

3.1 Radio Technical Requirements Specification

Table 1: Radio Technical Requirements Specification for 2.4 GHz band wide-band low-power data communication system (Item 19 of Article 2-1)

Items	Technical standard
Assigned frequency or designated frequency	2400-2483.5MHz
Communication method	One-way communication, simplex, semi-duplex, or duplex operation of digital signal transmission including spread spectrum
Tolerance of frequency ($\times 10^{-6}$)	$\leq \pm 50$ ppm
Tolerance of occupied bandwidth	Others: 26MHz or less
Antenna power	Others: ≤ 10 mW Tolerance: +20%
Antenna gain	1) 12.14 dBi or less in principle 2) In case of directional antenna (1) FH, FH+DS or FH+OFDM using 2427-2470.75 MHz EIRP ≤ 16.91 dBm/MHz (2) OFDM or DS other than (1) EIRP ≤ 22.14 dBm/MHz (3) Other than (1) and (2): 22.14 dBm or less (4) OFDM OBW 26 - 40MHz: 19.14dBm/MHz (5) Half-power angle of directional antenna (e) in case of the item 2): $e \leq 360/A$ (The A is 10 in maximum.)
Tolerance of spurious emission intensity	(< 2387 MHz: 2.5 μ W/MHz 2387 to 2400 MHz: 25 μ W/MHz 2483.5 through 2496.5 MHz: 25 μ W/MHz > 2496.5 MHz: 2.5 μ W/MHz
Spreading bandwidth	DS, FH, FH+DS, FH+OFDM: 500kHz or more
Spreading rate of spectrum	For DS system; (Spreading bandwidth) / (Frequency corresponding to transmission rate) ≥ 5
Limit of secondary radiated emissions	(1) Below 1 GHz: 4nW (2) 1 GHz or higher: 20nW
Interference prevention function	Shall have the function of automatic transmission and reception of identification sign.
Structure	Shall be of the structure that the RF and modulator sections excluding antenna cannot easily be opened.
Note	DS: Direct spread FH: Frequency hopping OFDM: Orthogonal frequency division multiplexing



3.2 E.U.T. test conditions

Power Supply:	High Voltage	4.07V
	Normal Voltage	3.7V
	Low Voltage	3.33V
Test Frequencies:	If the EUT can be set to 3 or more different (carrier) frequencies in 1 allocated band, testing shall be performed using the Lowest, Middle and the Highest frequency (L, M and H). If there are 2 or fewer frequencies, testing shall be performed with the available frequencies.	



3.3 Antenna Requirement

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.

The antenna is integrated antenna on the main PCB and no consideration of replacement. The best case gain of the antenna is 0dBi.

Result: An antenna connector is available, all relevant tests will be carried out conducted.

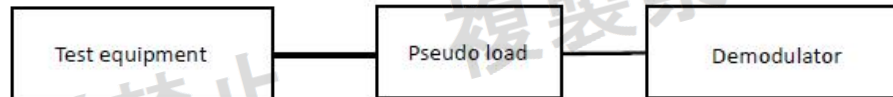


3.4 Interference prevention function

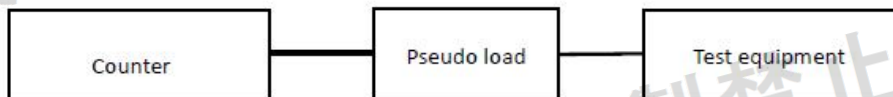
1) Measurement system diagram

(a) When transmitting identification code

If an identification code is transmitted



An identification code is received



2) Condition of measuring instrument

(b) Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.

3) Condition of test equipment The mode of normal use.

4) Measuring operation procedure

(a) When test equipment has the function to transmit identification code automatically:

A) Transmit the predetermined identification code from test equipment.

B) Confirm the transmitted identification code by demodulator.

57:17:3B:52:48:63

5) Test result: The unit does meet the requirements (Good).

PASS



3.5 RF accessibility

Standard requirement

Article 49-20, paragraph 1 (a)

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

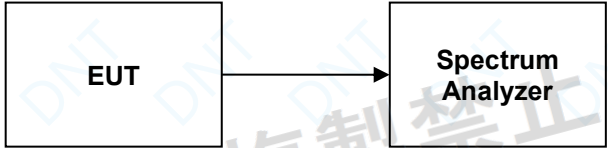
Test Result

RF and Modulation parts are mounted on PCB with surface mount technology





3.6 Frequency Error

Limit:	Tolerance of frequency: $\pm 50 \times 10^{-6}$
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Test the EUT in transmitting mode without modulation.
Temperature:	23.5 °C
Humidity:	47.1 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	 <pre>graph LR; EUT[EUT] --> SA[Spectrum Analyzer]</pre>
Test Procedure:	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

Test Result See: Appendix A



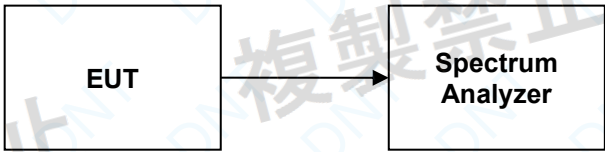
3.7 Occupied Bandwidth (99%)

Limit:	Other: 26 MHz or less
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5 °C
Humidity:	48.2 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	 <pre>graph LR; EUT[EUT] --> SA[Spectrum Analyzer]</pre>
Test Procedure:	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: Frequency: Test Frequency Span 4 MHz RBW 300 KHz VBW 300 KHz Sweep Time Auto detector mode Sample Indication mode Max hold OBW 99%

Test Result See: Appendix B



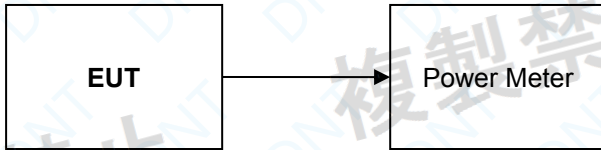
3.8 Spread Bandwidth(90%)

Limit:	DS,FH, FH+DS,FH+OFDM: $\geq 500\text{KHz}$
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5 °C
Humidity:	48.2 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	 <pre>graph LR; EUT[EUT] --> SA[Spectrum Analyzer]</pre>
Test Procedure:	- Test Conditions: Spectrum Analyzer is used for measurement. - EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. - Spectrum Analyzer conditions: Frequency: Test Frequency Span 4 MHz RBW 300 KHz VBW 300 KHz Sweep Time Auto detector mode Sample Indication mode Max hold OBW 90%

Test Result See: Appendix C



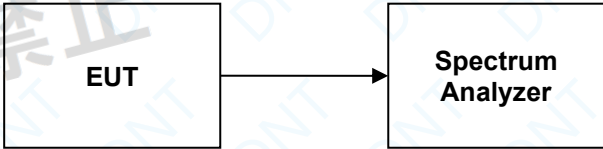
3.9 Antenna Power

Limit:	10mW or less
Text Method:	MIC Notice No.88 Appendix No.43
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5 °C
Humidity:	50 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	 <pre>graph LR; EUT[EUT] --> PM[Power Meter]</pre>
Test Procedure:	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.

Test Result See: Appendix D



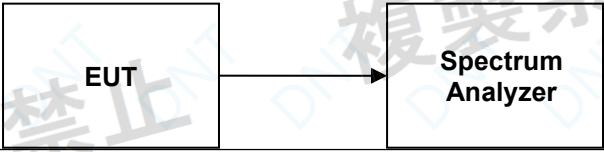
3.10 Spurious Emissions of Tx

Limit:	<table><tr><td>< 2387MHz</td><td>$\leq 2.5\mu\text{W/MHz}$</td></tr><tr><td>2387 ~ 2400MHz</td><td>$\leq 25\mu\text{W/MHz}$</td></tr><tr><td>2483.5 ~ 2496.5MHz</td><td>$\leq 25\mu\text{W/MHz}$</td></tr><tr><td>>2496.5MHz</td><td>$\leq 2.5\mu\text{W/MHz}$</td></tr></table>	< 2387MHz	$\leq 2.5\mu\text{W/MHz}$	2387 ~ 2400MHz	$\leq 25\mu\text{W/MHz}$	2483.5 ~ 2496.5MHz	$\leq 25\mu\text{W/MHz}$	>2496.5MHz	$\leq 2.5\mu\text{W/MHz}$
< 2387MHz	$\leq 2.5\mu\text{W/MHz}$								
2387 ~ 2400MHz	$\leq 25\mu\text{W/MHz}$								
2483.5 ~ 2496.5MHz	$\leq 25\mu\text{W/MHz}$								
>2496.5MHz	$\leq 2.5\mu\text{W/MHz}$								
Text Method:	MIC Notice No.88 Appendix No.43								
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.								
Temperature:	23.5°C								
Humidity:	51 % RH								
Atmospheric Pressure:	101.0kPa -101.3 kPa								
Test Configuration:	 <pre>graph LR; EUT[EUT] --> SA[Spectrum Analyzer]</pre>								
Test Procedure:	- Test Conditions: Spectrum Analyzer is used for measurement. - EUT conditions: Modulation/Spread/Hopping ON For equipment using diffusion code, set to the test diffusion code and modulate with standard coding test signal. - 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: 30MHz~2400MHz, 2483.5MHz~13GHz 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								

Test Result See: Appendix E



3.11 Spurious Emissions of Rx

Test Requirement:	MIC Notice No.88 Appendix No.43
Limit:	(1) Below 1 GHz: ≤ 4 nW (2) Above 1 GHz: ≤ 20 nW
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Temperature:	23.5 °C
Humidity:	56 % RH
Atmospheric Pressure:	101.0kPa -101.3 kPa
Test Configuration:	 <pre>graph LR; EUT[EUT] --> SA[Spectrum Analyzer]</pre>
Test Procedure:	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 – 1000 MHz , 1000 MHz –12.5 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

Test Result See: Appendix F



4 Appendix

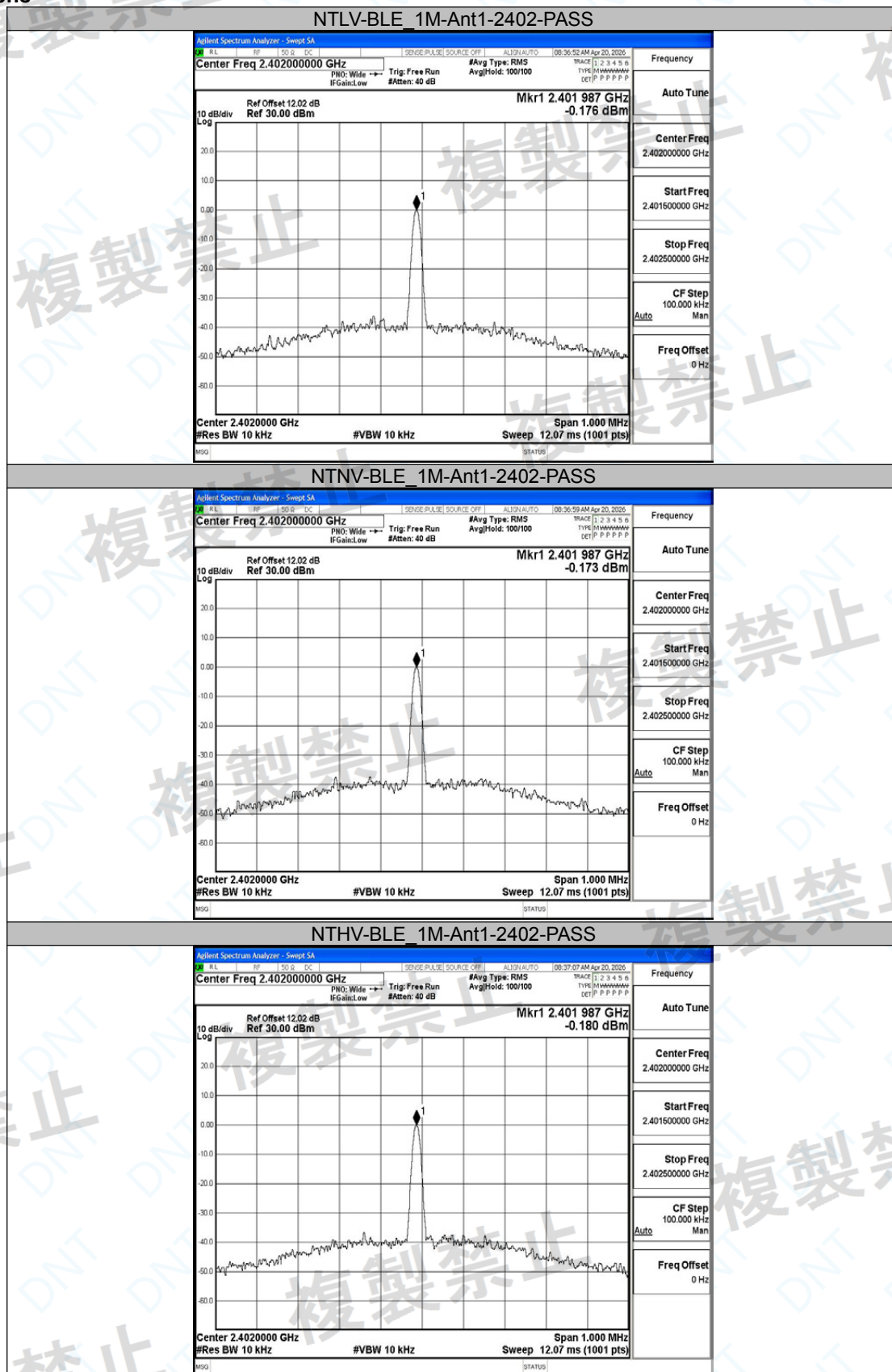
Appendix A: Frequency Error

Test Result

Test Condition	Test Mode	Antenna	Freq(MHz)	Center Freq [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTLV	BLE_1M	Ant1	2402	2401.987	-5.41216	±50	PASS
NTNV	BLE_1M	Ant1	2402	2401.987	-5.41216	±50	PASS
NTHV	BLE_1M	Ant1	2402	2401.987	-5.41216	±50	PASS
NTLV	BLE_1M	Ant1	2440	2439.986	-5.73771	±50	PASS
NTNV	BLE_1M	Ant1	2440	2439.986	-5.73771	±50	PASS
NTHV	BLE_1M	Ant1	2440	2439.986	-5.73771	±50	PASS
NTLV	BLE_1M	Ant1	2480	2479.986	-5.64516	±50	PASS
NTNV	BLE_1M	Ant1	2480	2479.986	-5.64516	±50	PASS
NTHV	BLE_1M	Ant1	2480	2479.986	-5.64516	±50	PASS
NTLV	BLE_2M	Ant1	2402	2401.986	-5.82848	±50	PASS
NTNV	BLE_2M	Ant1	2402	2401.987	-5.41216	±50	PASS
NTHV	BLE_2M	Ant1	2402	2401.987	-5.41216	±50	PASS
NTLV	BLE_2M	Ant1	2440	2439.986	-5.73771	±50	PASS
NTNV	BLE_2M	Ant1	2440	2439.986	-5.73771	±50	PASS
NTHV	BLE_2M	Ant1	2440	2439.986	-5.73771	±50	PASS
NTLV	BLE_2M	Ant1	2480	2479.986	-5.64516	±50	PASS
NTNV	BLE_2M	Ant1	2480	2479.986	-5.64516	±50	PASS
NTHV	BLE_2M	Ant1	2480	2479.986	-5.64516	±50	PASS

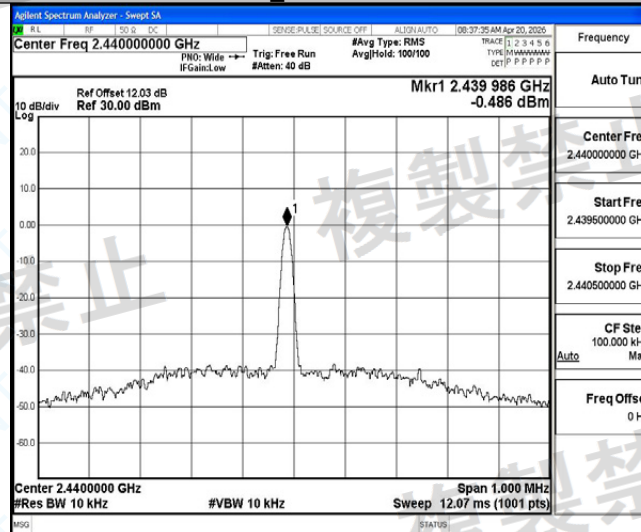


Test Graphs

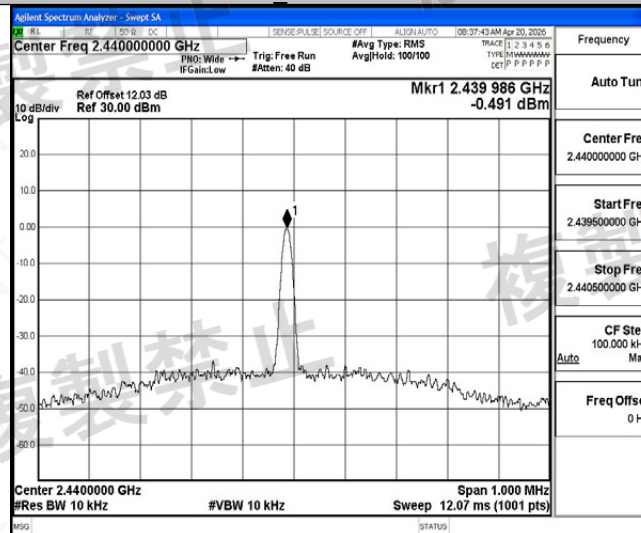




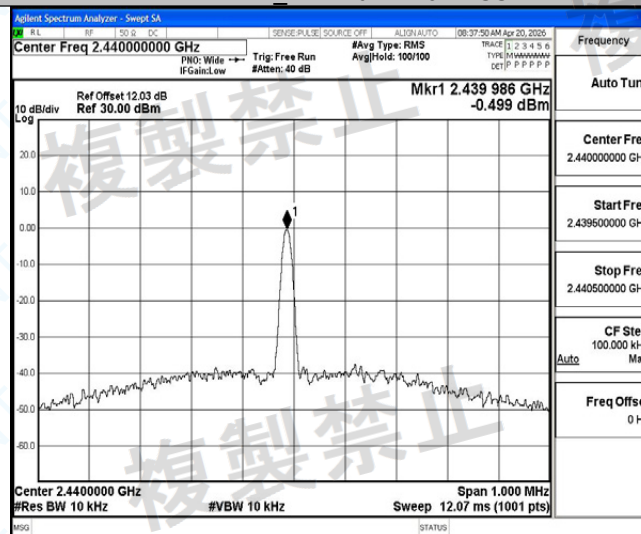
NTLV-BLE_1M-Ant1-2440-PASS



NTNV-BLE_1M-Ant1-2440-PASS

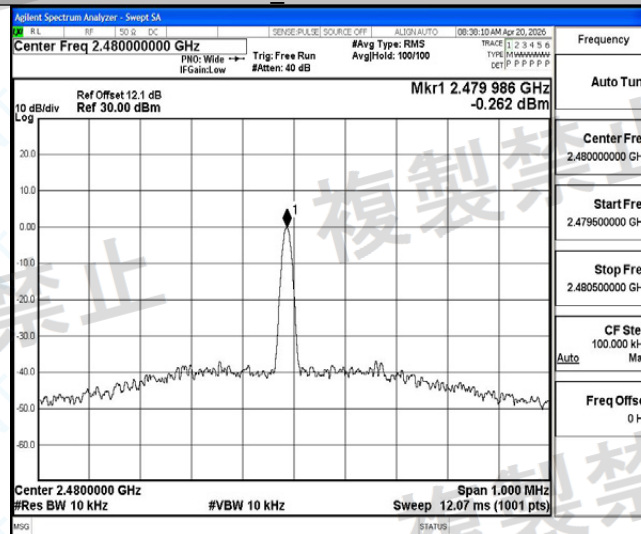


NTHV-BLE_1M-Ant1-2440-PASS

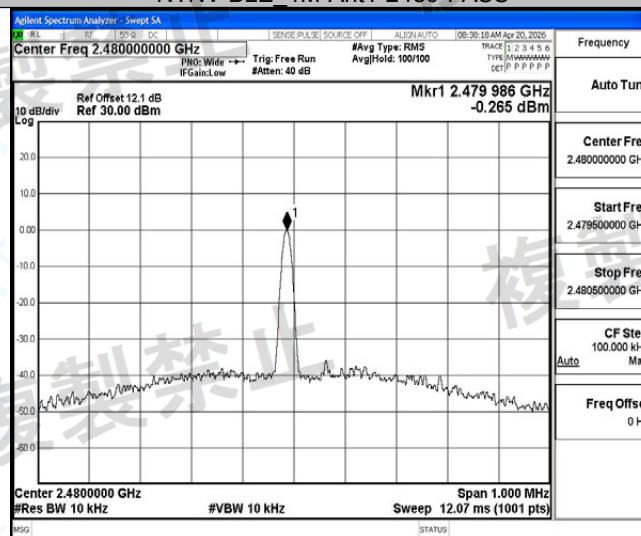




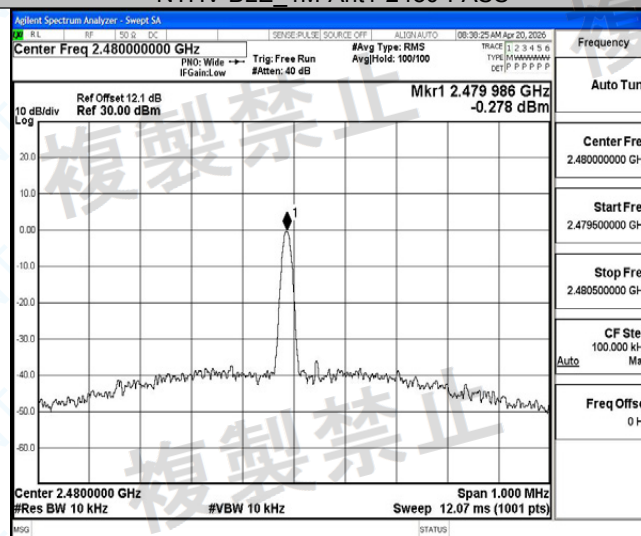
NTLV-BLE_1M-Ant1-2480-PASS



NTNV-BLE_1M-Ant1-2480-PASS

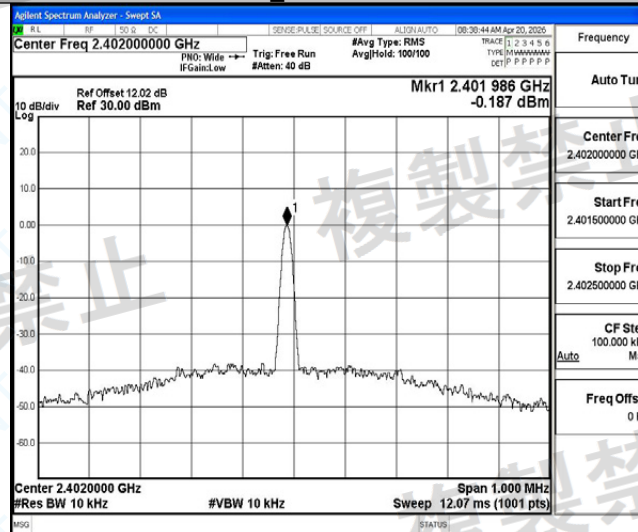


NTHV-BLE_1M-Ant1-2480-PASS

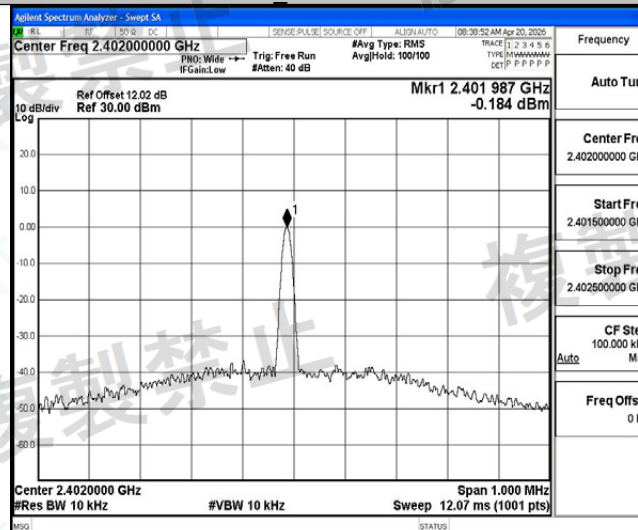




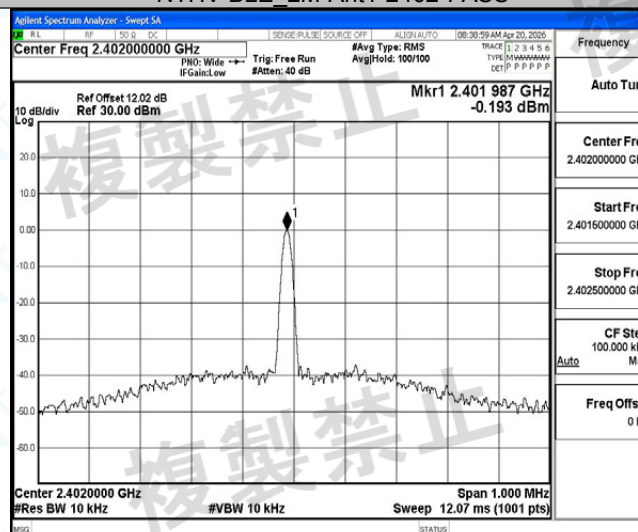
NTLV-BLE_2M-Ant1-2402-PASS



NTNV-BLE_2M-Ant1-2402-PASS

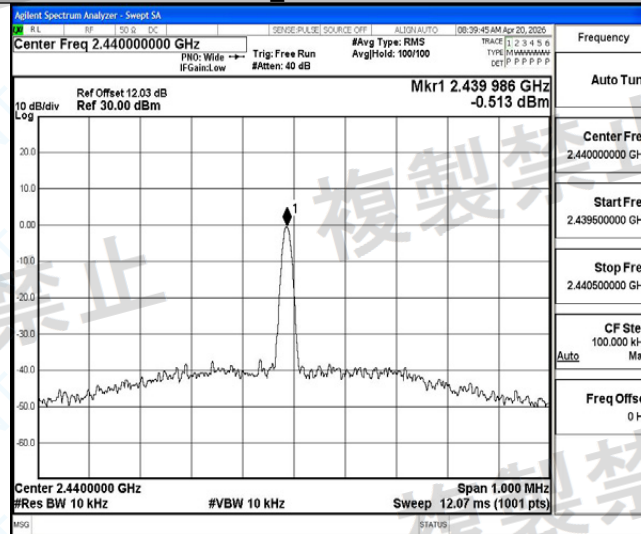


NTHV-BLE_2M-Ant1-2402-PASS

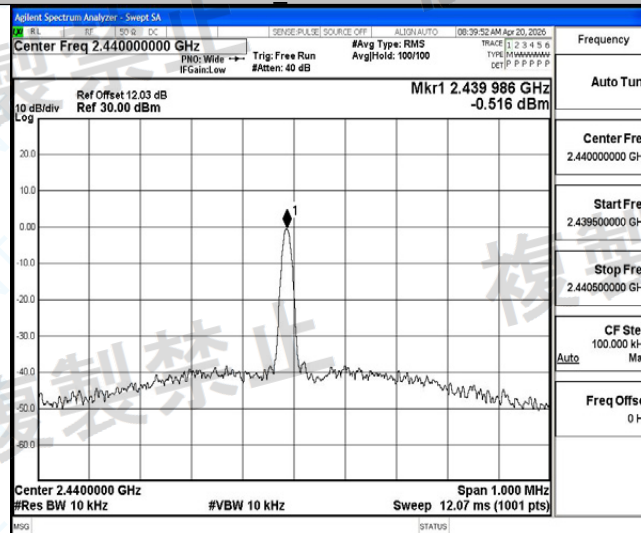




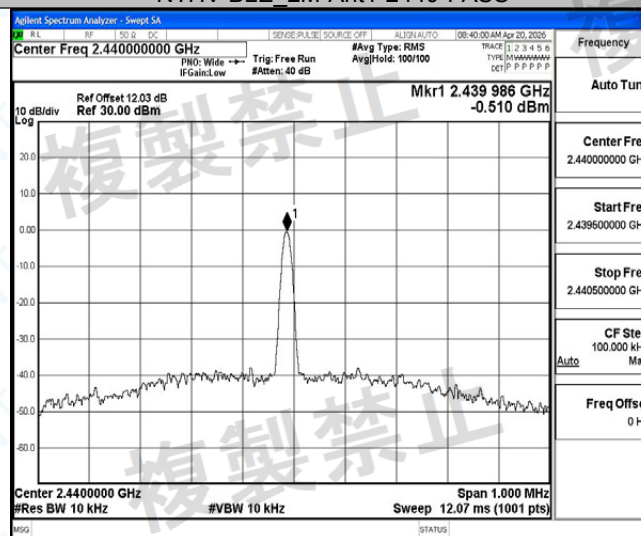
NTLV-BLE_2M-Ant1-2440-PASS

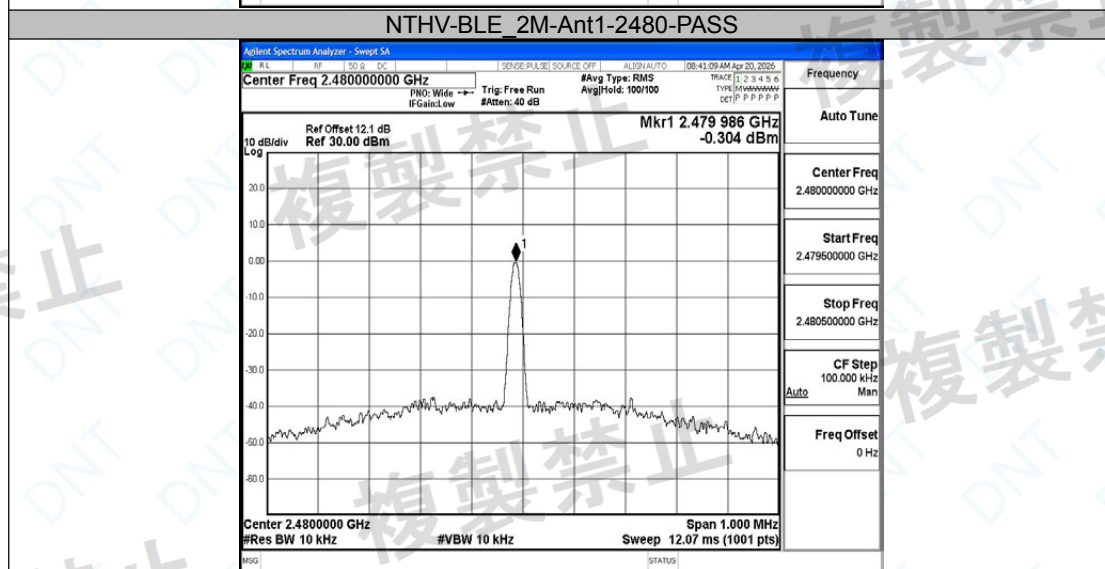
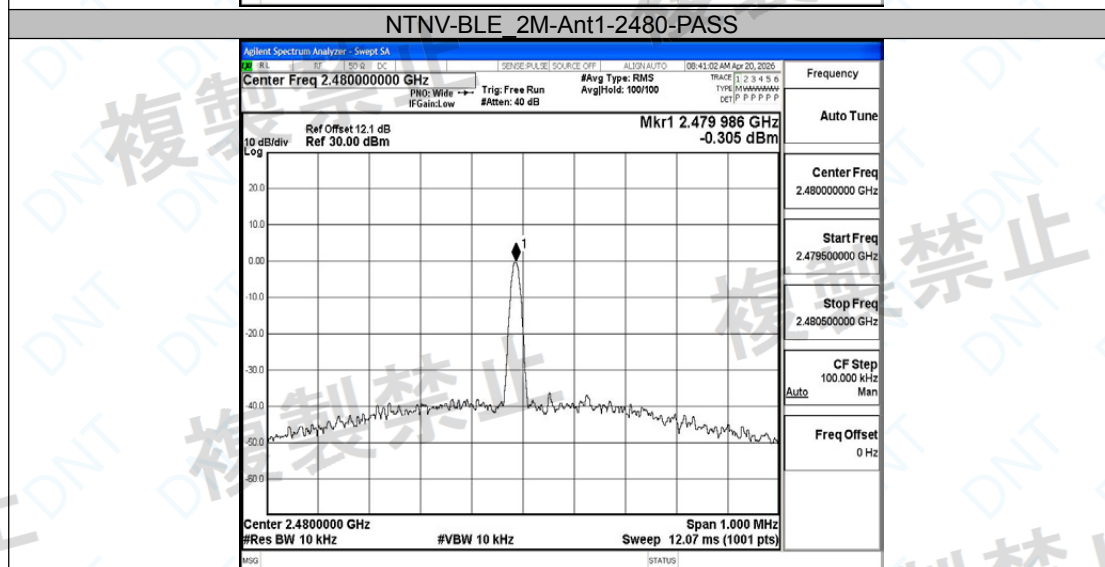
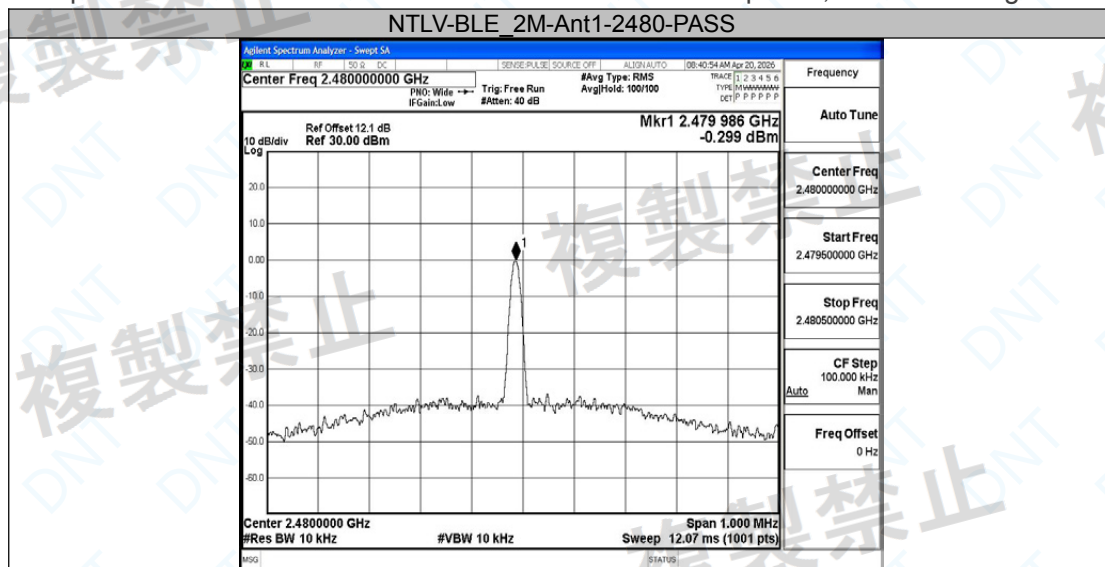


NTNV-BLE_2M-Ant1-2440-PASS



NTHV-BLE_2M-Ant1-2440-PASS



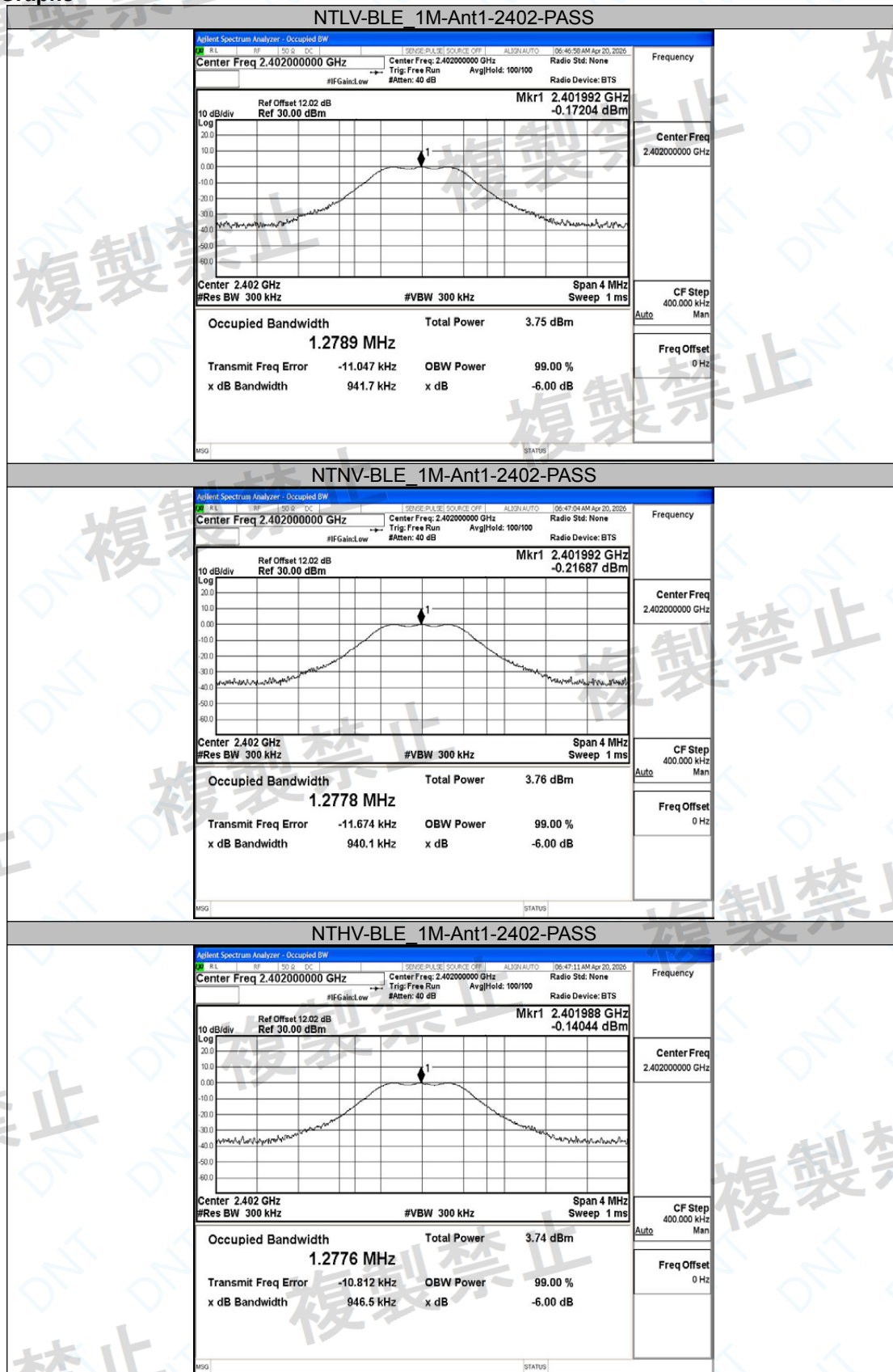


**Appendix B: Occupied Bandwidth****Test Result**

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	1.279	≤26	PASS
NTNV	BLE_1M	Ant1	2402	1.278	≤26	PASS
NTHV	BLE_1M	Ant1	2402	1.278	≤26	PASS
NTLV	BLE_1M	Ant1	2440	1.286	≤26	PASS
NTNV	BLE_1M	Ant1	2440	1.286	≤26	PASS
NTHV	BLE_1M	Ant1	2440	1.284	≤26	PASS
NTLV	BLE_1M	Ant1	2480	1.290	≤26	PASS
NTNV	BLE_1M	Ant1	2480	1.289	≤26	PASS
NTHV	BLE_1M	Ant1	2480	1.289	≤26	PASS
NTLV	BLE_2M	Ant1	2402	2.176	≤26	PASS
NTNV	BLE_2M	Ant1	2402	2.188	≤26	PASS
NTHV	BLE_2M	Ant1	2402	2.170	≤26	PASS
NTLV	BLE_2M	Ant1	2440	2.192	≤26	PASS
NTNV	BLE_2M	Ant1	2440	2.172	≤26	PASS
NTHV	BLE_2M	Ant1	2440	2.178	≤26	PASS
NTLV	BLE_2M	Ant1	2480	2.193	≤26	PASS
NTNV	BLE_2M	Ant1	2480	2.197	≤26	PASS
NTHV	BLE_2M	Ant1	2480	2.204	≤26	PASS

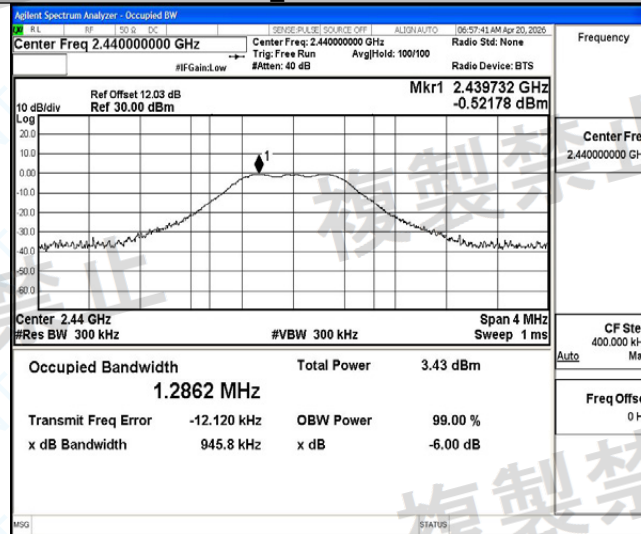


Test Graphs

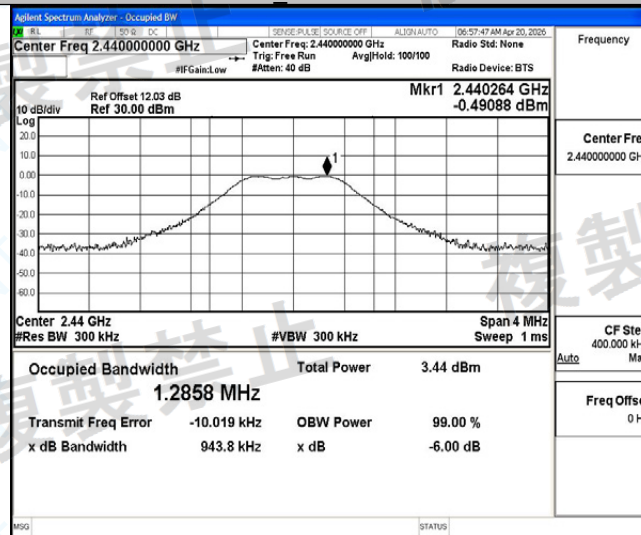




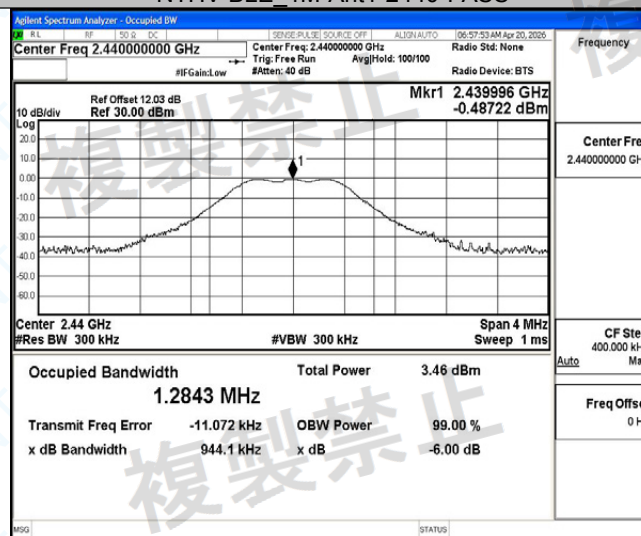
NTLV-BLE_1M-Ant1-2440-PASS



NTNV-BLE_1M-Ant1-2440-PASS

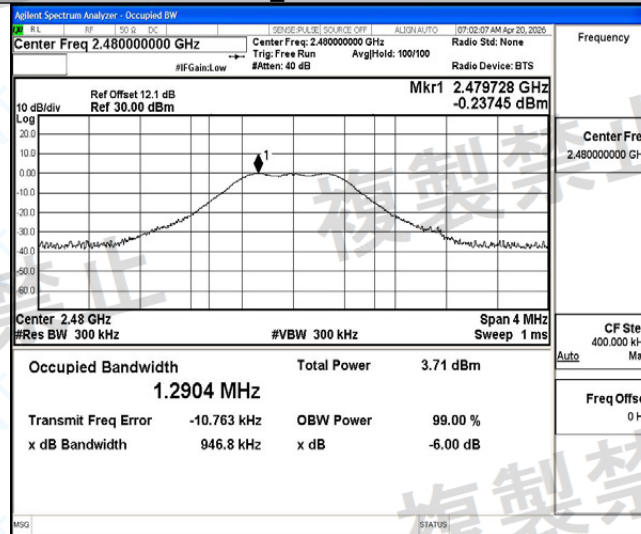


NTHV-BLE_1M-Ant1-2440-PASS

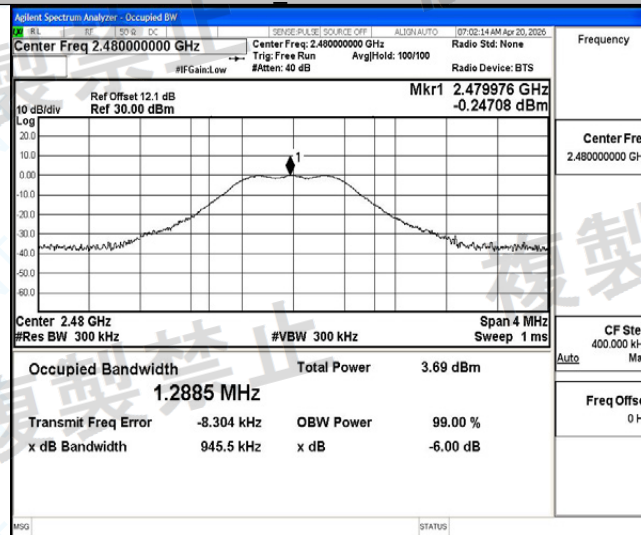




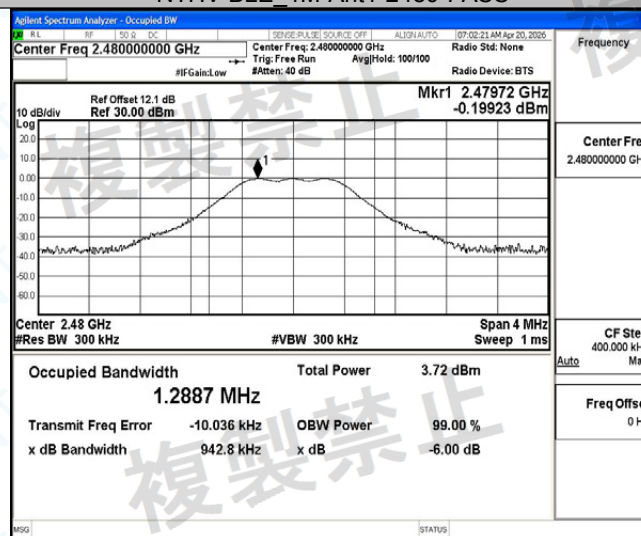
NTLV-BLE_1M-Ant1-2480-PASS



NTNV-BLE_1M-Ant1-2480-PASS

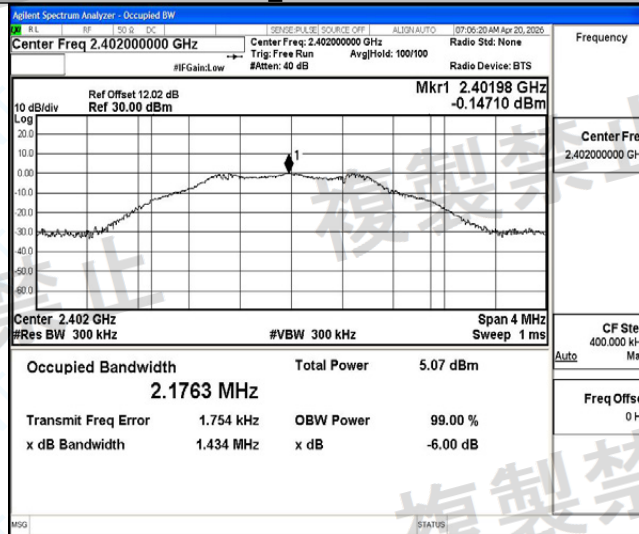


NTHV-BLE_1M-Ant1-2480-PASS

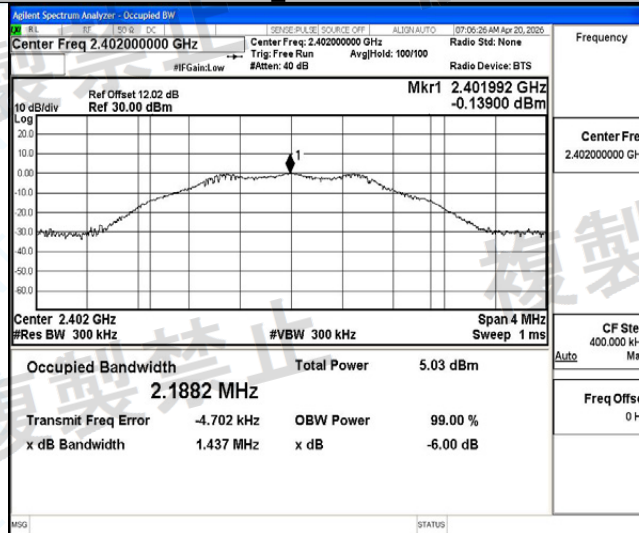




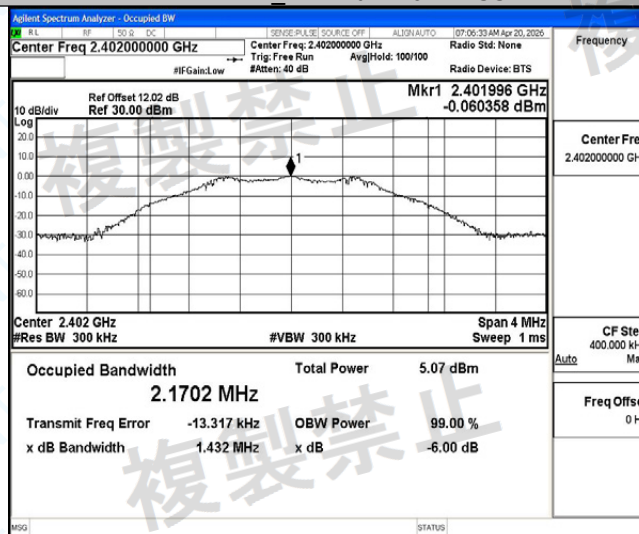
NTLV-BLE_2M-Ant1-2402-PASS



NTNV-BLE_2M-Ant1-2402-PASS

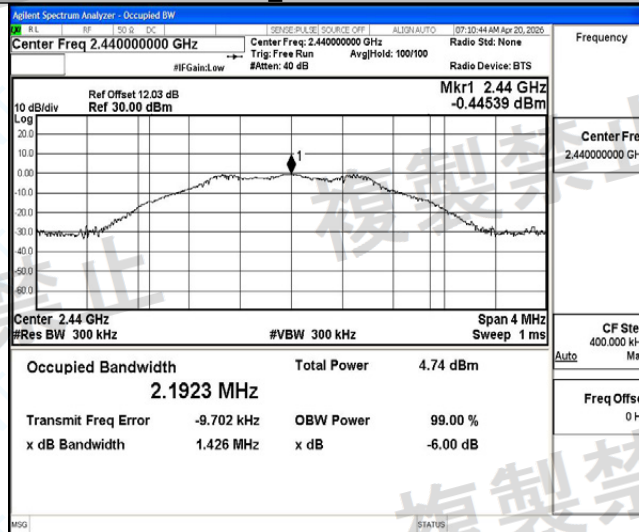


NTHV-BLE_2M-Ant1-2402-PASS

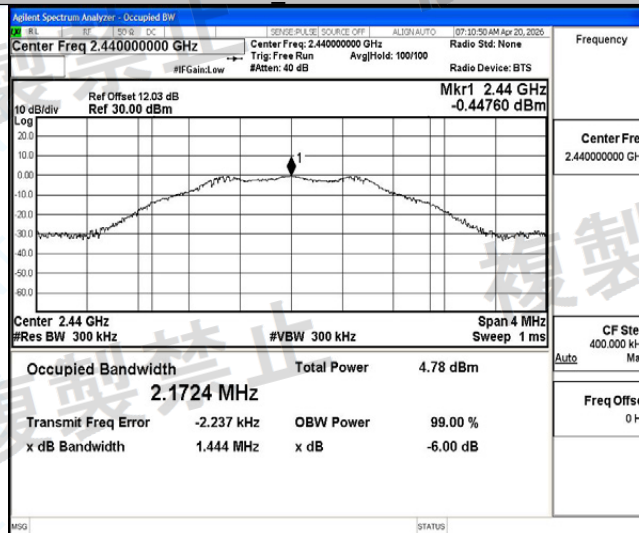




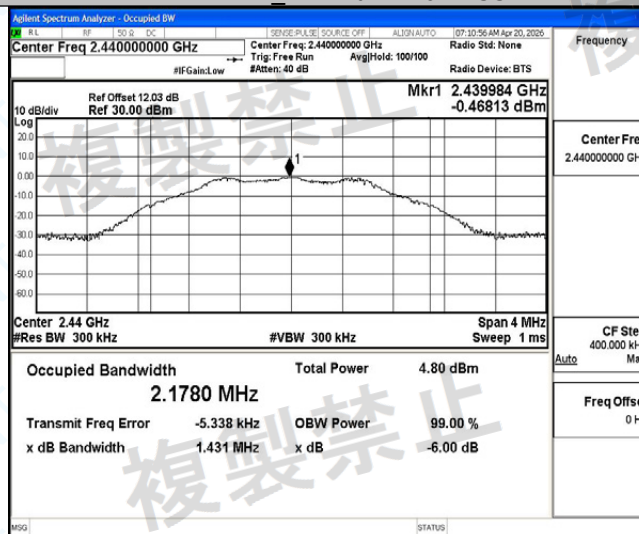
NTLV-BLE_2M-Ant1-2440-PASS



NTNV-BLE_2M-Ant1-2440-PASS

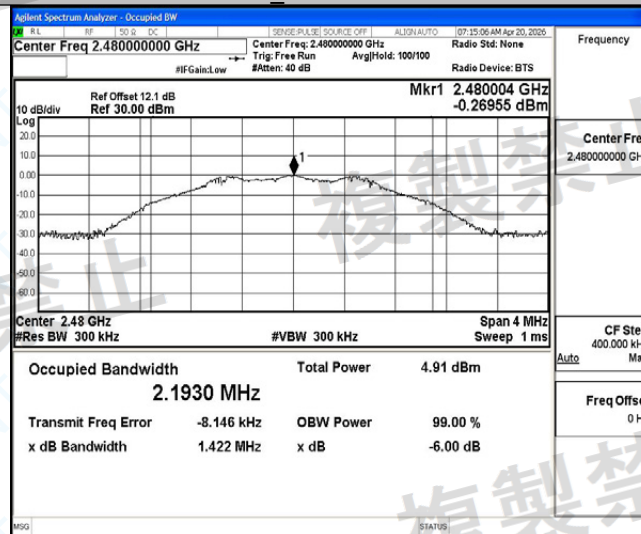


NTHV-BLE_2M-Ant1-2440-PASS

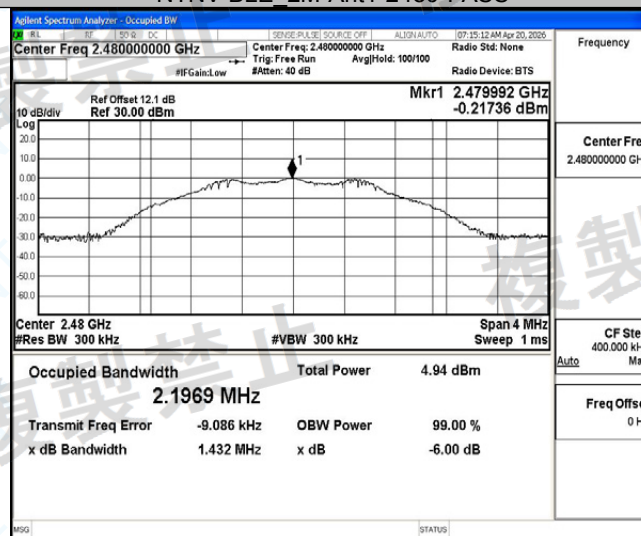




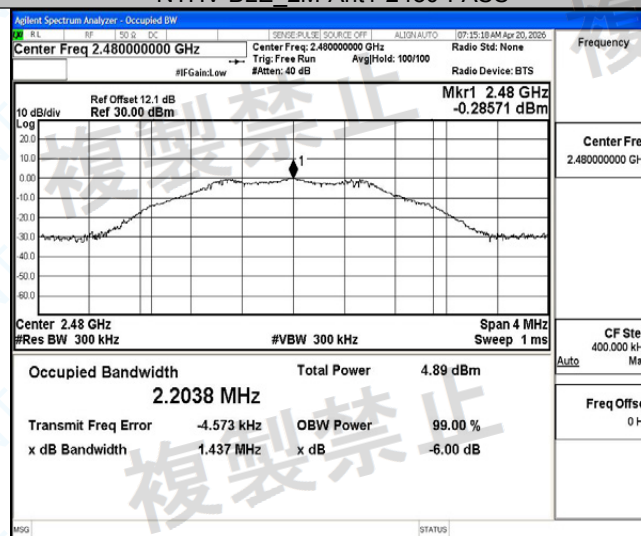
NTLV-BLE 2M-Ant1-2480-PASS



NTNV-BLE 2M-Ant1-2480-PASS



NTHV-BLE 2M-Ant1-2480-PASS

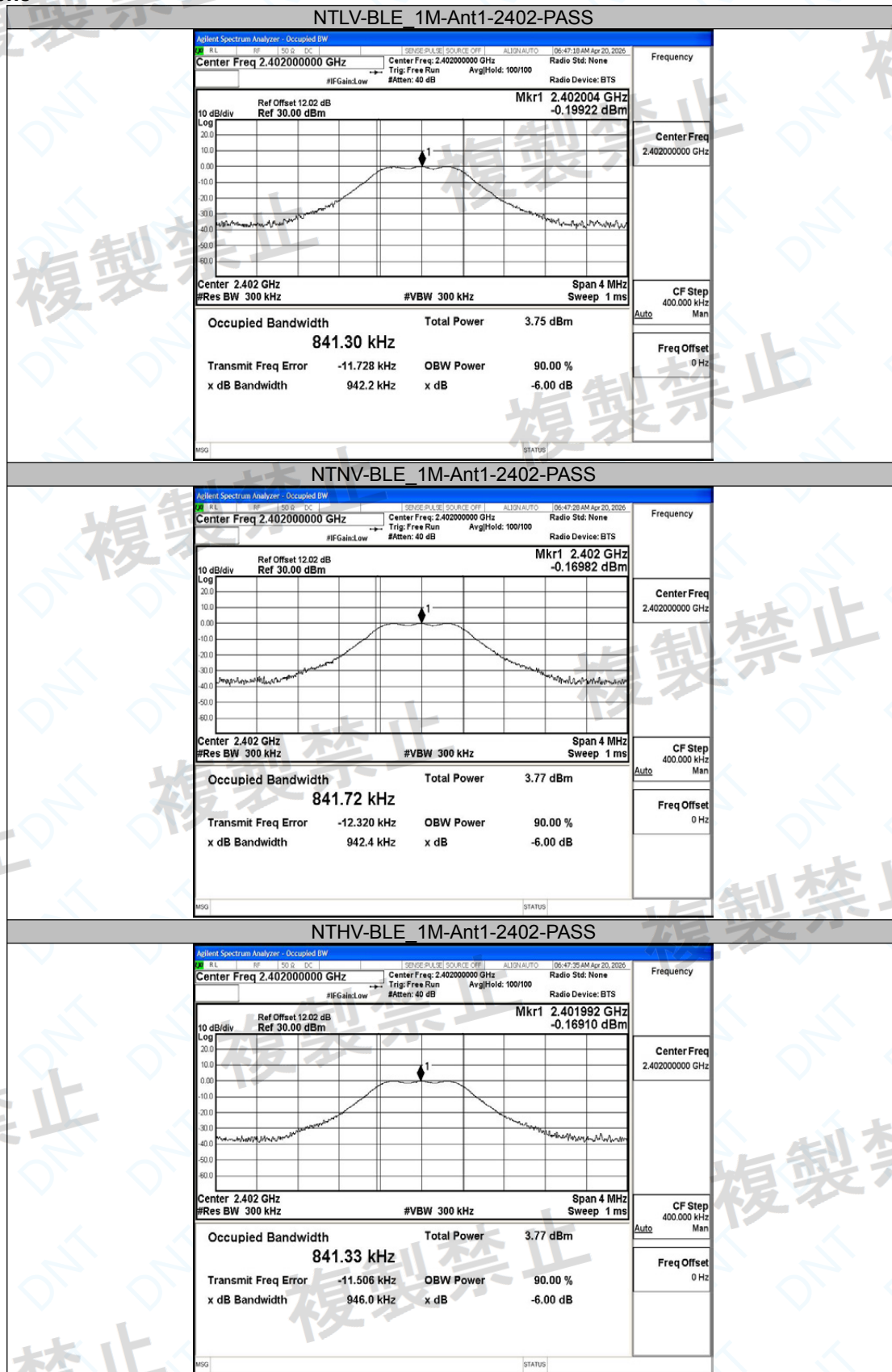


**Appendix C: Spread Bandwidth****Test Result**

Test Condition	Test Mode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	0.841	≥0.5	PASS
NTNV	BLE_1M	Ant1	2402	0.842	≥0.5	PASS
NTHV	BLE_1M	Ant1	2402	0.841	≥0.5	PASS
NTLV	BLE_1M	Ant1	2440	0.843	≥0.5	PASS
NTNV	BLE_1M	Ant1	2440	0.846	≥0.5	PASS
NTHV	BLE_1M	Ant1	2440	0.847	≥0.5	PASS
NTLV	BLE_1M	Ant1	2480	0.845	≥0.5	PASS
NTNV	BLE_1M	Ant1	2480	0.846	≥0.5	PASS
NTHV	BLE_1M	Ant1	2480	0.846	≥0.5	PASS
NTLV	BLE_2M	Ant1	2402	1.389	≥0.5	PASS
NTNV	BLE_2M	Ant1	2402	1.380	≥0.5	PASS
NTHV	BLE_2M	Ant1	2402	1.382	≥0.5	PASS
NTLV	BLE_2M	Ant1	2440	1.401	≥0.5	PASS
NTNV	BLE_2M	Ant1	2440	1.385	≥0.5	PASS
NTHV	BLE_2M	Ant1	2440	1.390	≥0.5	PASS
NTLV	BLE_2M	Ant1	2480	1.383	≥0.5	PASS
NTNV	BLE_2M	Ant1	2480	1.396	≥0.5	PASS
NTHV	BLE_2M	Ant1	2480	1.396	≥0.5	PASS

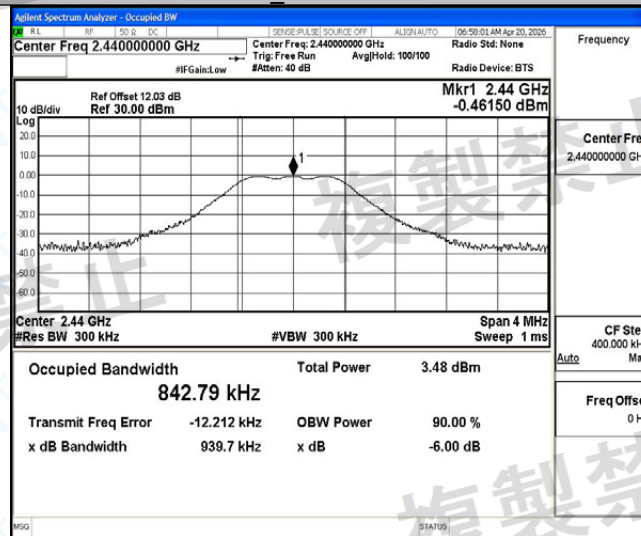


Test Graphs

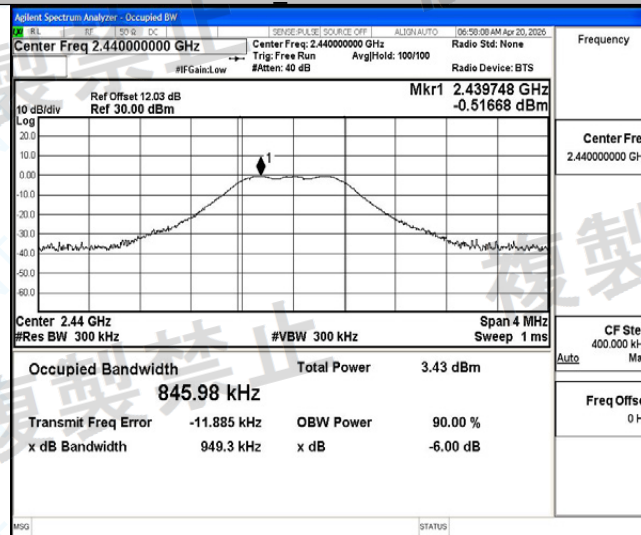




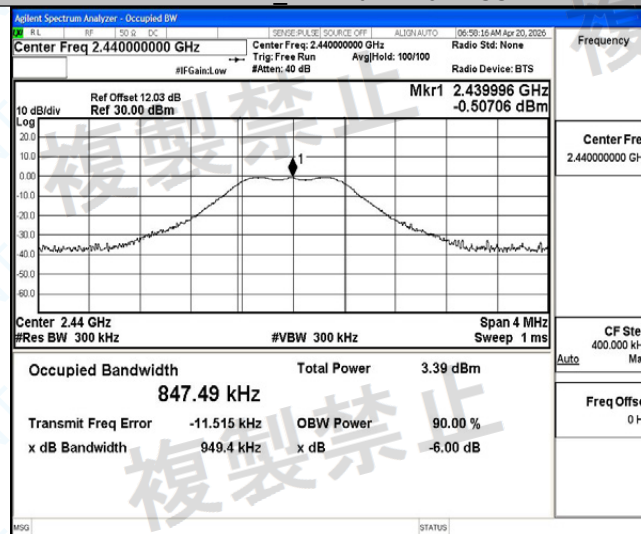
NTLV-BLE_1M-Ant1-2440-PASS



NTNV-BLE_1M-Ant1-2440-PASS

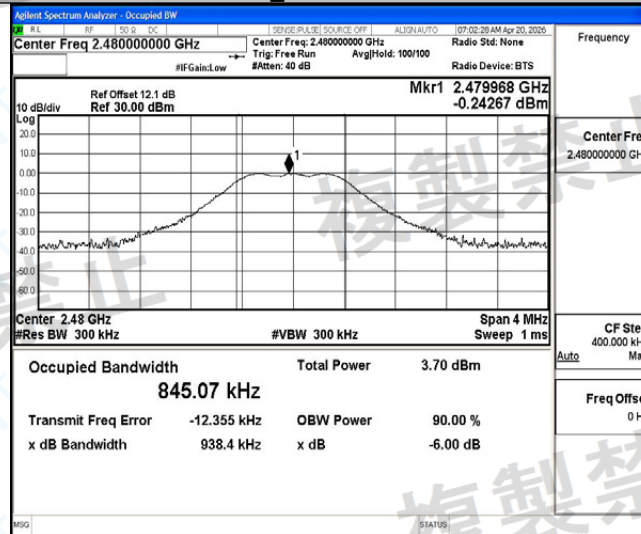


NTHV-BLE_1M-Ant1-2440-PASS

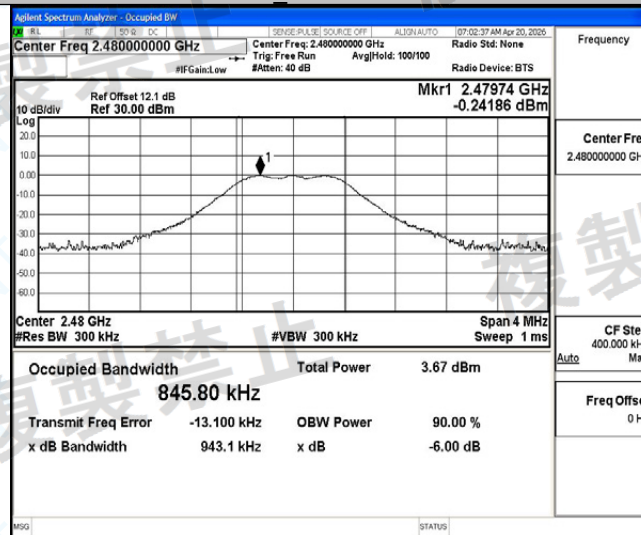




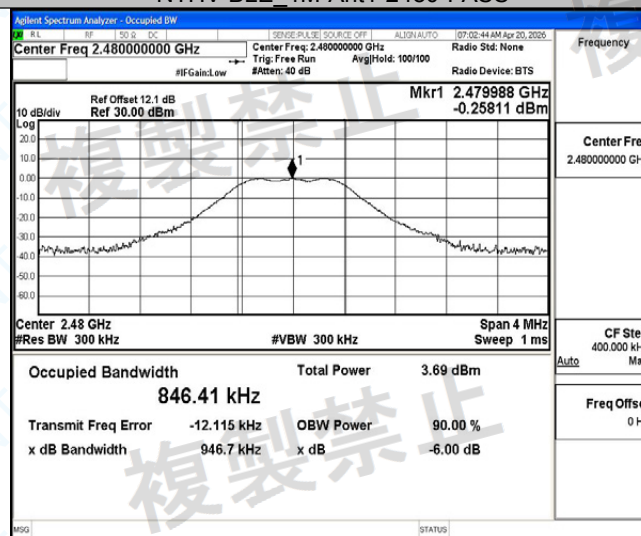
NTLV-BLE_1M-Ant1-2480-PASS



NTNV-BLE_1M-Ant1-2480-PASS

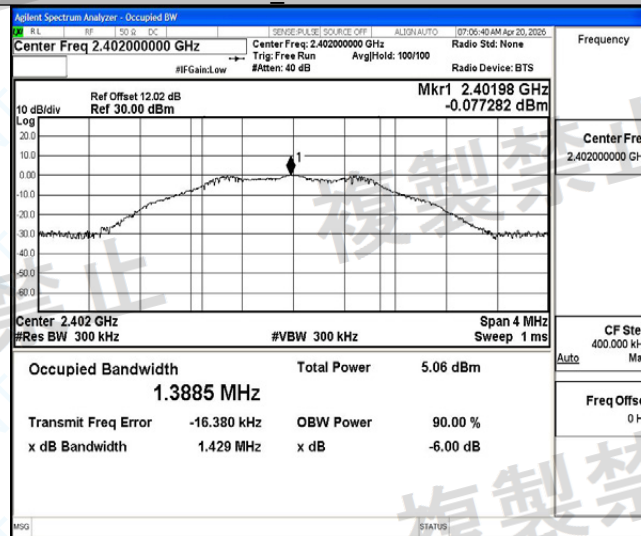


NTHV-BLE_1M-Ant1-2480-PASS

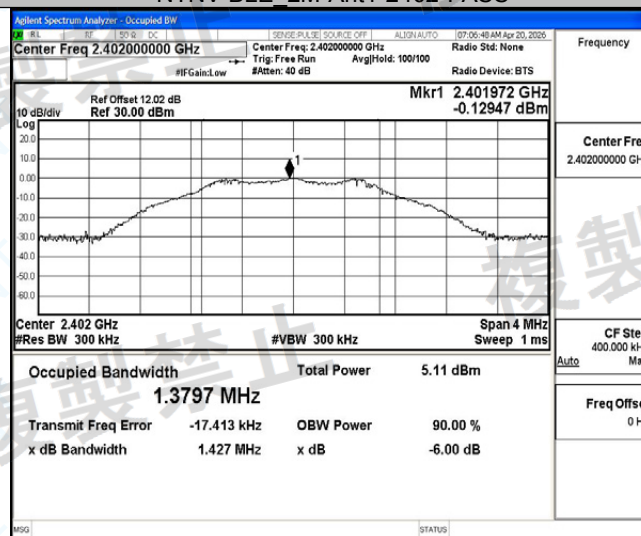




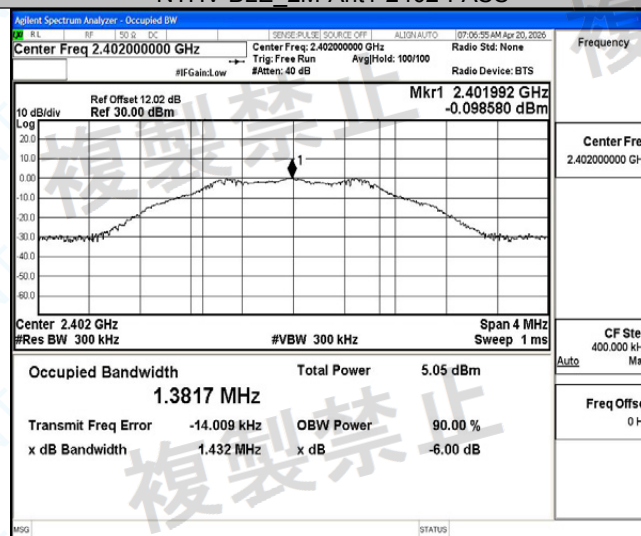
NTLV-BLE_2M-Ant1-2402-PASS



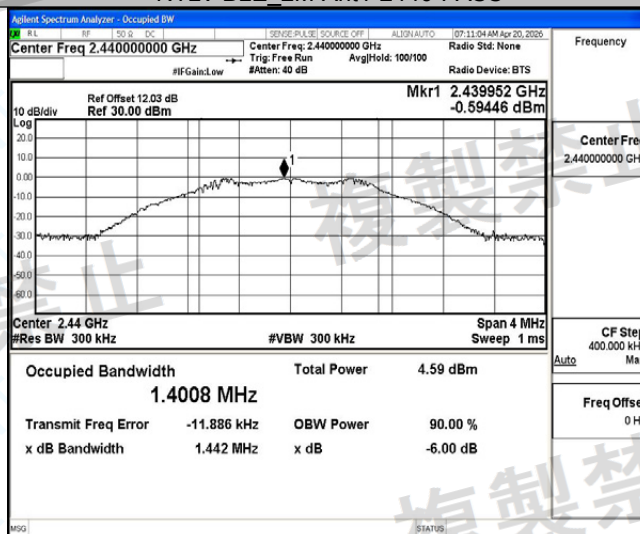
NTNV-BLE_2M-Ant1-2402-PASS



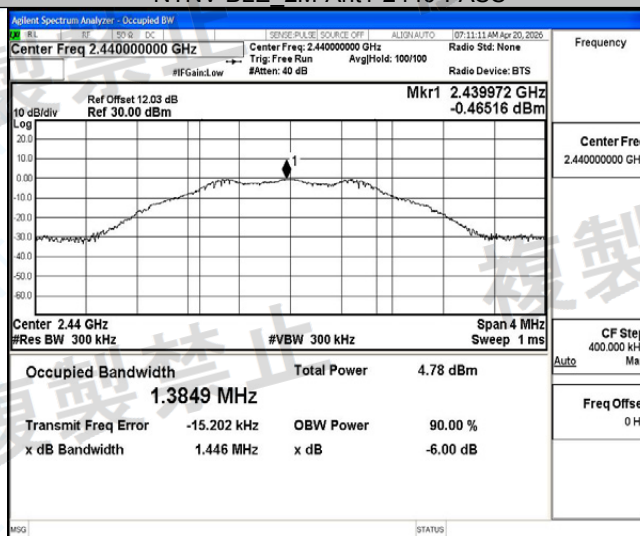
NTHV-BLE_2M-Ant1-2402-PASS



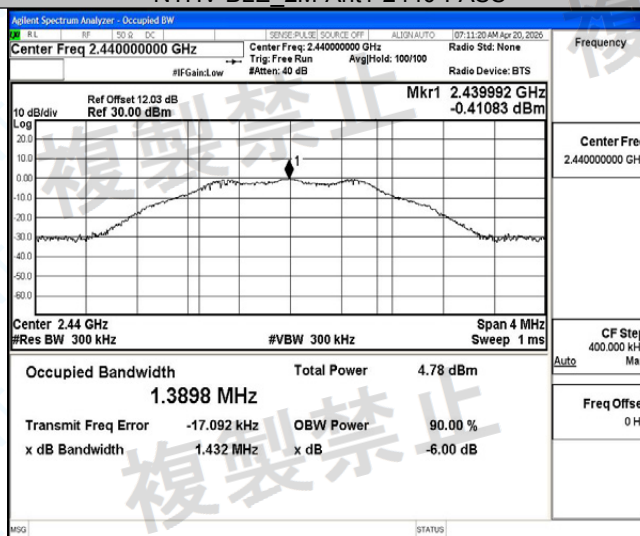
NTLV-BLE 2M-Ant1-2440-PASS



NTNV-BLE 2M-Ant1-2440-PASS

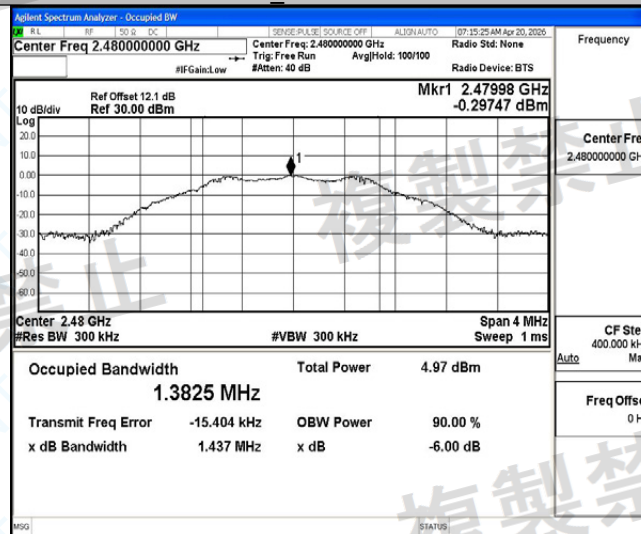


NTHV-BLE 2M-Ant1-2440-PASS

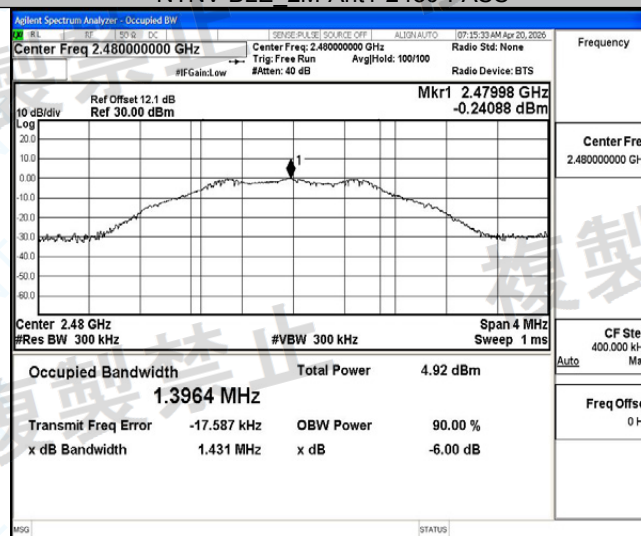




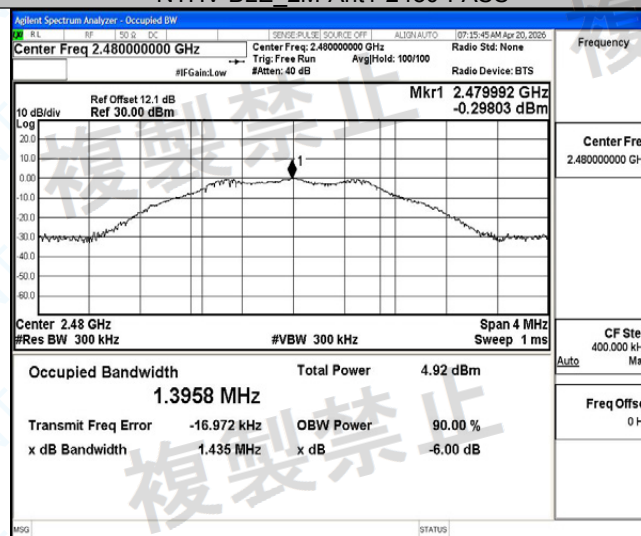
NTLV-BLE_2M-Ant1-2480-PASS



NTNV-BLE_2M-Ant1-2480-PASS



NTHV-BLE_2M-Ant1-2480-PASS



**Appendix D: Antenna Power****Test Result**

Antenna Power							
Test Condition	Test Mode	Antenna	Freq (MHz)	Result (dBm)	Result (mW)	Limit (mW)	Verdict
NTNV	BLE_1M	Ant1	2402	-1.31	0.7396	≤10	PASS
NTHV	BLE_1M	Ant1	2402	-1.35	0.7328	≤10	PASS
NTLV	BLE_1M	Ant1	2402	-1.22	0.7551	≤10	PASS
NTLV	BLE_1M	Ant1	2440	-1.66	0.6823	≤10	PASS
NTNV	BLE_1M	Ant1	2440	-1.57	0.6966	≤10	PASS
NTHV	BLE_1M	Ant1	2440	-1.52	0.7047	≤10	PASS
NTLV	BLE_1M	Ant1	2480	-1.63	0.6871	≤10	PASS
NTNV	BLE_1M	Ant1	2480	-1.57	0.6966	≤10	PASS
NTHV	BLE_1M	Ant1	2480	-1.53	0.7031	≤10	PASS
NTLV	BLE_2M	Ant1	2402	-2.20	0.6026	≤10	PASS
NTNV	BLE_2M	Ant1	2402	-2.16	0.6081	≤10	PASS
NTHV	BLE_2M	Ant1	2402	-2.16	0.6081	≤10	PASS
NTLV	BLE_2M	Ant1	2440	-2.43	0.5715	≤10	PASS
NTNV	BLE_2M	Ant1	2440	-2.44	0.5702	≤10	PASS
NTHV	BLE_2M	Ant1	2440	-2.26	0.5943	≤10	PASS
NTLV	BLE_2M	Ant1	2480	-1.82	0.6577	≤10	PASS
NTNV	BLE_2M	Ant1	2480	-2.42	0.5728	≤10	PASS
NTHV	BLE_2M	Ant1	2480	-2.42	0.5728	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq (MHz)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTNV	BLE_1M	Ant1	2402	0.7396	1	-26.04	+20	PASS
NTHV	BLE_1M	Ant1	2402	0.7328	1	-26.72	+20	PASS
NTLV	BLE_1M	Ant1	2402	0.7551	1	-24.49	+20	PASS
NTLV	BLE_1M	Ant1	2440	0.6823	1	-31.77	+20	PASS
NTNV	BLE_1M	Ant1	2440	0.6966	1	-30.34	+20	PASS
NTHV	BLE_1M	Ant1	2440	0.7047	1	-29.53	+20	PASS
NTLV	BLE_1M	Ant1	2480	0.6871	1	-31.29	+20	PASS
NTNV	BLE_1M	Ant1	2480	0.6966	1	-30.34	+20	PASS
NTHV	BLE_1M	Ant1	2480	0.7031	1	-29.69	+20	PASS
NTLV	BLE_2M	Ant1	2402	0.6026	1	-39.74	+20	PASS
NTNV	BLE_2M	Ant1	2402	0.6081	1	-39.19	+20	PASS
NTHV	BLE_2M	Ant1	2402	0.6081	1	-39.19	+20	PASS
NTLV	BLE_2M	Ant1	2440	0.5715	1	-42.85	+20	PASS
NTNV	BLE_2M	Ant1	2440	0.5702	1	-42.98	+20	PASS
NTHV	BLE_2M	Ant1	2440	0.5943	1	-40.57	+20	PASS
NTLV	BLE_2M	Ant1	2480	0.6577	1	-34.23	+20	PASS
NTNV	BLE_2M	Ant1	2480	0.5728	1	-42.72	+20	PASS
NTHV	BLE_2M	Ant1	2480	0.5728	1	-42.72	+20	PASS

**Appendix E: Spurious Emission of TX****Test Result**

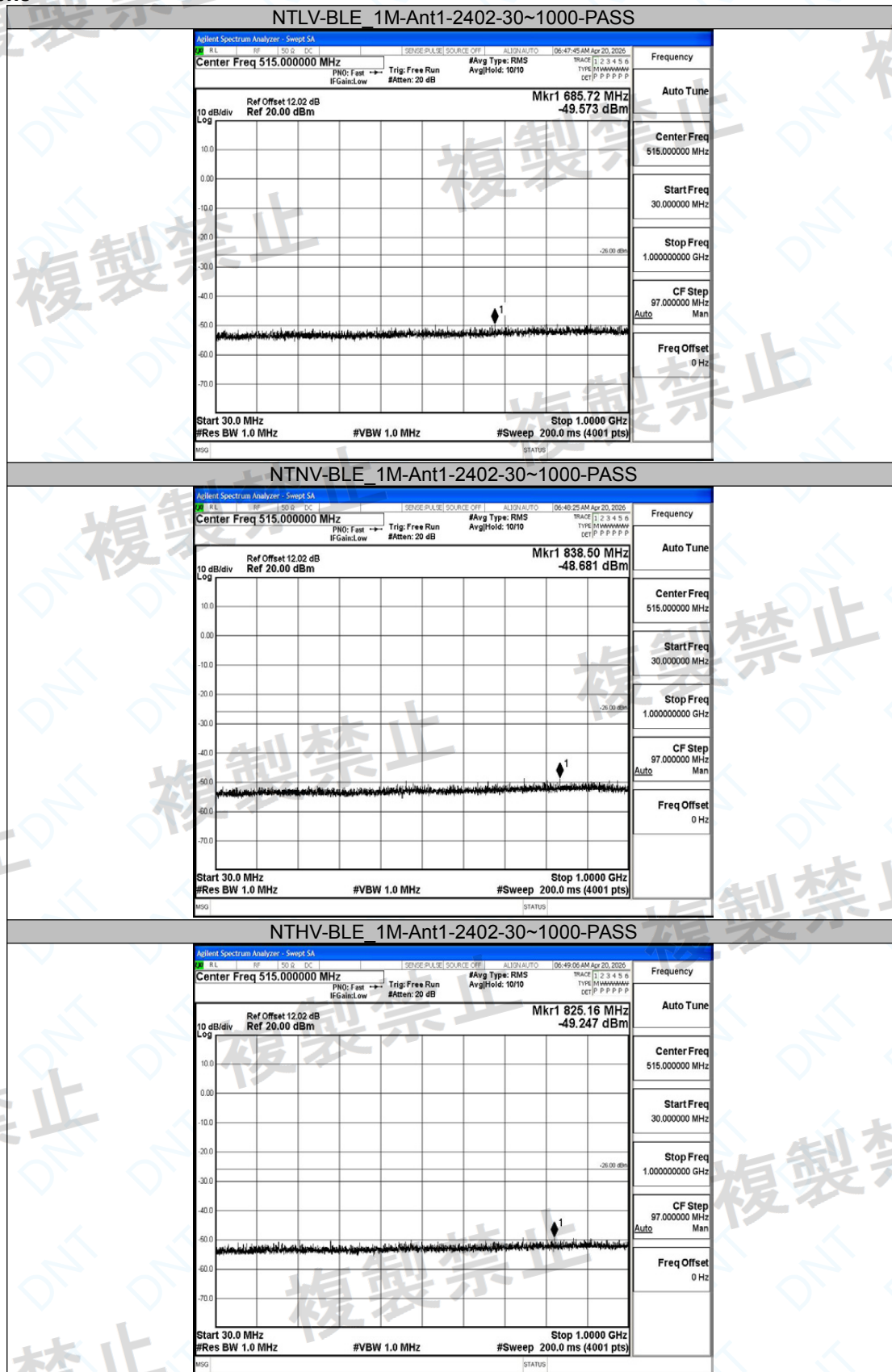
Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [μW/MHz]	Limit [μW/MHz]	Verdict
NTLV	BLE_1M	Ant1	2402	30~1000	685.72	-49.57	≤-26	0.01104	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	30~1000	838.50	-48.68	≤-26	0.01355	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	30~1000	825.16	-49.25	≤-26	0.01189	≤2.5	PASS
NTLV	BLE_1M	Ant1	2402	1000~2387	2273.96	-39.70	≤-26	0.10715	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	1000~2387	2273.61	-40.11	≤-26	0.09750	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	1000~2387	2274.31	-40.13	≤-26	0.09705	≤2.5	PASS
NTLV	BLE_1M	Ant1	2402	2387~2400	2399.96	-28.84	≤-16	1.30617	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2387~2400	2399.88	-28.86	≤-16	1.30017	≤25	PASS
NTHV	BLE_1M	Ant1	2402	2387~2400	2399.97	-28.66	≤-16	1.36144	≤25	PASS
NTLV	BLE_1M	Ant1	2402	2483.5~2496.5	2491.85	-36.11	≤-16	0.24491	≤25	PASS
NTNV	BLE_1M	Ant1	2402	2483.5~2496.5	2493.09	-36.18	≤-16	0.24099	≤25	PASS
NTHV	BLE_1M	Ant1	2402	2483.5~2496.5	2493.67	-36.13	≤-16	0.24378	≤25	PASS
NTLV	BLE_1M	Ant1	2402	2496.5~13000	4803.59	-34.89	≤-26	0.32434	≤2.5	PASS
NTNV	BLE_1M	Ant1	2402	2496.5~13000	4804.12	-34.50	≤-26	0.35481	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	2496.5~13000	4804.64	-35.12	≤-26	0.30761	≤2.5	PASS
NTLV	BLE_1M	Ant1	2440	30~1000	717.00	-46.77	≤-26	0.02104	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	986.18	-49.06	≤-26	0.01242	≤2.5	PASS
NTHV	BLE_1M	Ant1	2440	30~1000	943.01	-49.10	≤-26	0.01230	≤2.5	PASS
NTLV	BLE_1M	Ant1	2440	1000~2387	2312.10	-38.60	≤-26	0.13804	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	1000~2387	2311.76	-39.51	≤-26	0.11194	≤2.5	PASS
NTHV	BLE_1M	Ant1	2440	1000~2387	2312.10	-39.46	≤-26	0.11324	≤2.5	PASS
NTLV	BLE_1M	Ant1	2440	2387~2400	2394.46	-36.90	≤-16	0.20417	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2387~2400	2389.85	-36.67	≤-16	0.21528	≤25	PASS
NTHV	BLE_1M	Ant1	2440	2387~2400	2396.97	-36.94	≤-16	0.20230	≤25	PASS
NTLV	BLE_1M	Ant1	2440	2483.5~2496.5	2490.19	-36.52	≤-16	0.22284	≤25	PASS
NTNV	BLE_1M	Ant1	2440	2483.5~2496.5	2484.83	-36.51	≤-16	0.22336	≤25	PASS
NTHV	BLE_1M	Ant1	2440	2483.5~2496.5	2490.28	-36.52	≤-16	0.22284	≤25	PASS
NTLV	BLE_1M	Ant1	2440	2496.5~13000	4879.74	-35.05	≤-26	0.31261	≤2.5	PASS
NTNV	BLE_1M	Ant1	2440	2496.5~13000	4880.79	-35.44	≤-26	0.28576	≤2.5	PASS
NTHV	BLE_1M	Ant1	2440	2496.5~13000	4880.79	-34.95	≤-26	0.31989	≤2.5	PASS
NTLV	BLE_1M	Ant1	2480	30~1000	942.53	-49.11	≤-26	0.01227	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	719.19	-45.79	≤-26	0.02636	≤2.5	PASS
NTHV	BLE_1M	Ant1	2480	30~1000	871.96	-49.21	≤-26	0.01199	≤2.5	PASS
NTLV	BLE_1M	Ant1	2480	1000~2387	2351.98	-39.57	≤-26	0.11041	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	1000~2387	2351.98	-39.55	≤-26	0.11092	≤2.5	PASS
NTHV	BLE_1M	Ant1	2480	1000~2387	2351.98	-39.68	≤-26	0.10765	≤2.5	PASS
NTLV	BLE_1M	Ant1	2480	2387~2400	2393.12	-35.67	≤-16	0.27102	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2387~2400	2389.81	-35.89	≤-16	0.25763	≤25	PASS
NTHV	BLE_1M	Ant1	2480	2387~2400	2392.94	-36.31	≤-16	0.23388	≤25	PASS
NTLV	BLE_1M	Ant1	2480	2483.5~2496.5	2483.75	-34.98	≤-16	0.31769	≤25	PASS
NTNV	BLE_1M	Ant1	2480	2483.5~2496.5	2483.62	-34.24	≤-16	0.37670	≤25	PASS
NTHV	BLE_1M	Ant1	2480	2483.5~2496.5	2483.64	-34.67	≤-16	0.34119	≤25	PASS
NTLV	BLE_1M	Ant1	2480	2496.5~13000	4960.10	-32.99	≤-26	0.50234	≤2.5	PASS
NTNV	BLE_1M	Ant1	2480	2496.5~13000	4960.10	-35.56	≤-26	0.27797	≤2.5	PASS
NTHV	BLE_1M	Ant1	2480	2496.5~13000	4960.10	-35.72	≤-26	0.26792	≤2.5	PASS
NTLV	BLE_2M	Ant1	2402	30~1000	864.20	-48.66	≤-26	0.01361	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	588.96	-49.38	≤-26	0.01153	≤2.5	PASS
NTHV	BLE_2M	Ant1	2402	30~1000	781.02	-49.69	≤-26	0.01074	≤2.5	PASS
NTLV	BLE_2M	Ant1	2402	1000~2387	2273.27	-40.40	≤-26	0.09120	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	1000~2387	2274.31	-40.73	≤-26	0.08453	≤2.5	PASS
NTHV	BLE_2M	Ant1	2402	1000~2387	2273.61	-40.03	≤-26	0.09931	≤2.5	PASS
NTLV	BLE_2M	Ant1	2402	2387~2400	2400.00	-20.99	≤-16	7.96159	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2387~2400	2400.00	-20.99	≤-16	7.96159	≤25	PASS
NTHV	BLE_2M	Ant1	2402	2387~2400	2400.00	-21.24	≤-16	7.51623	≤25	PASS
NTLV	BLE_2M	Ant1	2402	2483.5~2496.5	2488.62	-36.61	≤-16	0.21827	≤25	PASS
NTNV	BLE_2M	Ant1	2402	2483.5~2496.5	2488.92	-35.91	≤-16	0.25645	≤25	PASS
NTHV	BLE_2M	Ant1	2402	2483.5~2496.5	2488.24	-36.52	≤-16	0.22284	≤25	PASS
NTLV	BLE_2M	Ant1	2402	2496.5~13000	4804.64	-36.11	≤-26	0.24491	≤2.5	PASS
NTNV	BLE_2M	Ant1	2402	2496.5~13000	4803.07	-36.11	≤-26	0.24491	≤2.5	PASS



NTHV	BLE_2M	Ant1	2402	2496.5~13000	4803.07	-35.68	≤-26	0.27040	≤2.5	PASS
NTLV	BLE_2M	Ant1	2440	30~1000	829.04	-48.49	≤-26	0.01416	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	966.54	-48.79	≤-26	0.01321	≤2.5	PASS
NTHV	BLE_2M	Ant1	2440	30~1000	942.29	-48.95	≤-26	0.01274	≤2.5	PASS
NTLV	BLE_2M	Ant1	2440	1000~2387	2312.10	-39.64	≤-26	0.10864	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	1000~2387	2312.45	-39.53	≤-26	0.11143	≤2.5	PASS
NTHV	BLE_2M	Ant1	2440	1000~2387	2312.10	-39.05	≤-26	0.12445	≤2.5	PASS
NTLV	BLE_2M	Ant1	2440	2387~2400	2392.03	-36.87	≤-16	0.20559	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2387~2400	2396.46	-37.34	≤-16	0.18450	≤25	PASS
NTHV	BLE_2M	Ant1	2440	2387~2400	2397.43	-36.81	≤-16	0.20845	≤25	PASS
NTLV	BLE_2M	Ant1	2440	2483.5~2496.5	2489.95	-36.29	≤-16	0.23496	≤25	PASS
NTNV	BLE_2M	Ant1	2440	2483.5~2496.5	2495.68	-37.22	≤-16	0.18967	≤25	PASS
NTHV	BLE_2M	Ant1	2440	2483.5~2496.5	2486.89	-36.55	≤-16	0.22131	≤25	PASS
NTLV	BLE_2M	Ant1	2440	2496.5~13000	4879.22	-34.52	≤-26	0.35318	≤2.5	PASS
NTNV	BLE_2M	Ant1	2440	2496.5~13000	4879.22	-35.30	≤-26	0.29512	≤2.5	PASS
NTHV	BLE_2M	Ant1	2440	2496.5~13000	4880.27	-32.28	≤-26	0.59156	≤2.5	PASS
NTLV	BLE_2M	Ant1	2480	30~1000	783.93	-49.26	≤-26	0.01186	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	848.20	-49.34	≤-26	0.01164	≤2.5	PASS
NTHV	BLE_2M	Ant1	2480	30~1000	901.06	-49.25	≤-26	0.01189	≤2.5	PASS
NTLV	BLE_2M	Ant1	2480	1000~2387	2351.98	-39.35	≤-26	0.11614	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	1000~2387	2351.63	-39.46	≤-26	0.11324	≤2.5	PASS
NTHV	BLE_2M	Ant1	2480	1000~2387	2351.63	-39.82	≤-26	0.10423	≤2.5	PASS
NTLV	BLE_2M	Ant1	2480	2387~2400	2388.24	-36.30	≤-16	0.23442	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2387~2400	2389.16	-36.62	≤-16	0.21777	≤25	PASS
NTHV	BLE_2M	Ant1	2480	2387~2400	2388.86	-36.18	≤-16	0.24099	≤25	PASS
NTLV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.55	-35.19	≤-16	0.30269	≤25	PASS
NTNV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.63	-34.48	≤-16	0.35645	≤25	PASS
NTHV	BLE_2M	Ant1	2480	2483.5~2496.5	2483.57	-34.30	≤-16	0.37154	≤25	PASS
NTLV	BLE_2M	Ant1	2480	2496.5~13000	4961.15	-36.32	≤-26	0.23335	≤2.5	PASS
NTNV	BLE_2M	Ant1	2480	2496.5~13000	4961.15	-36.09	≤-26	0.24604	≤2.5	PASS
NTHV	BLE_2M	Ant1	2480	2496.5~13000	4959.05	-35.82	≤-26	0.26182	≤2.5	PASS

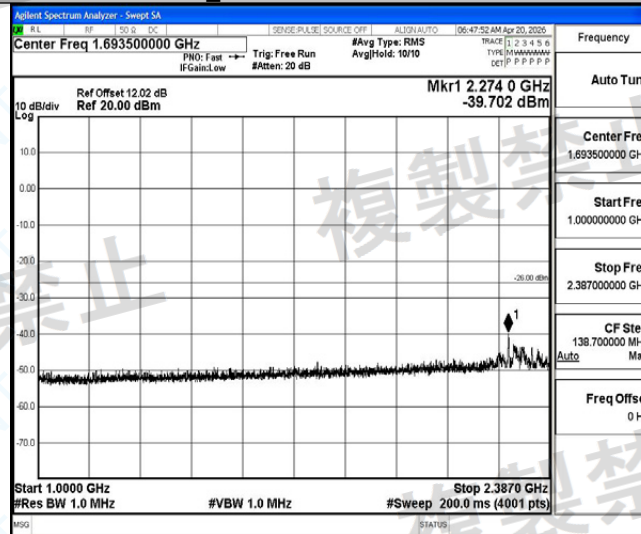


Test Graphs

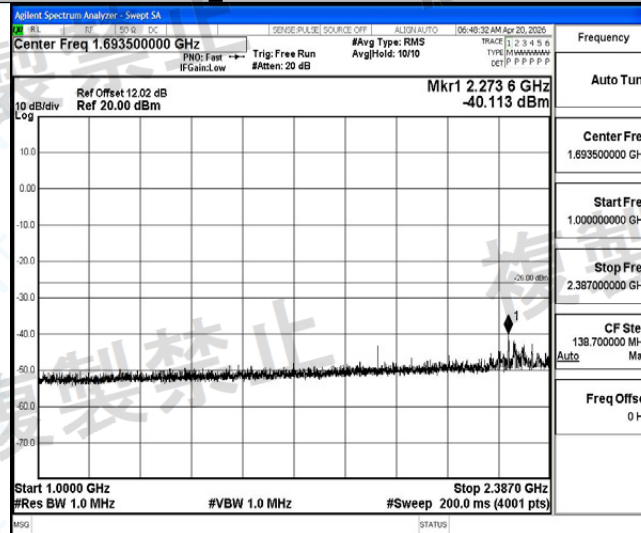




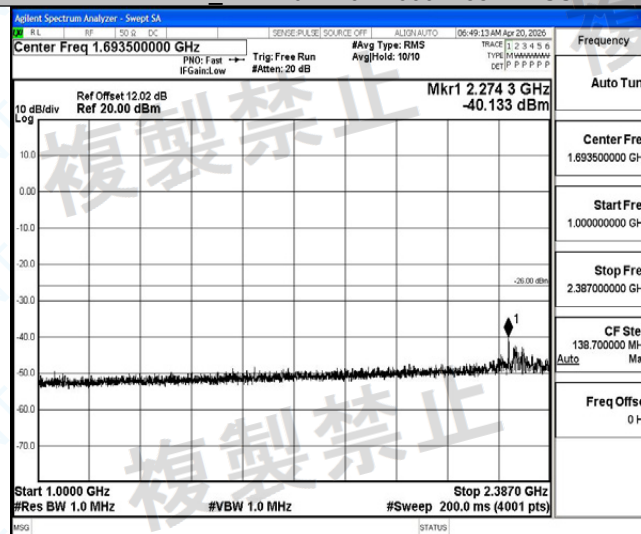
NTLV-BLE 1M-Ant1-2402-1000~2387-PASS



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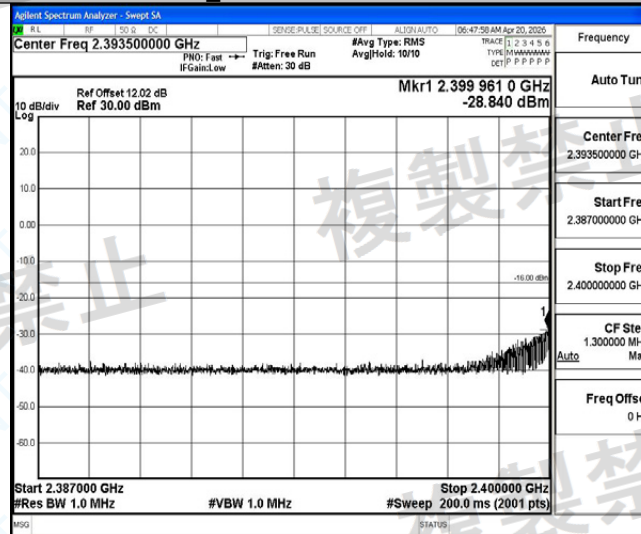


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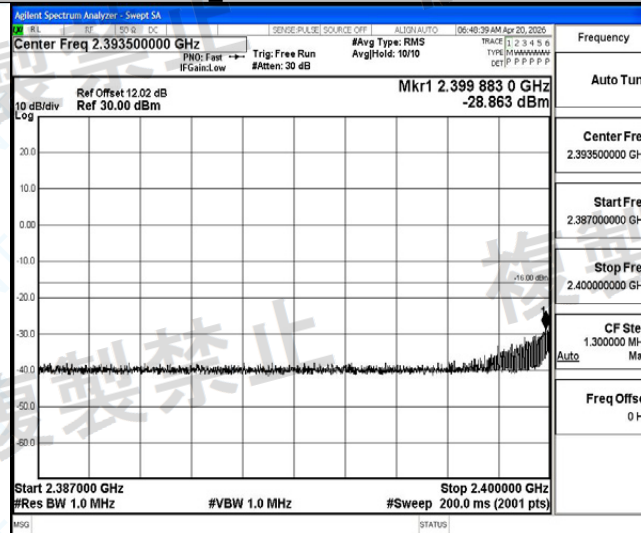




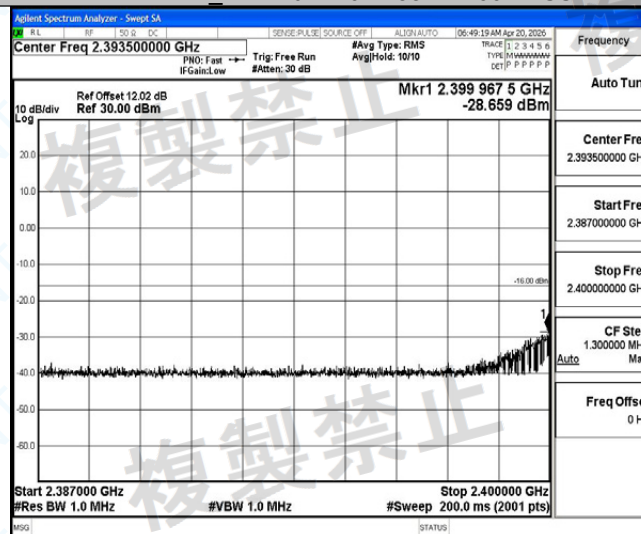
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NTNV-BLE 1M-Ant1-2402-2387~2400-PASS

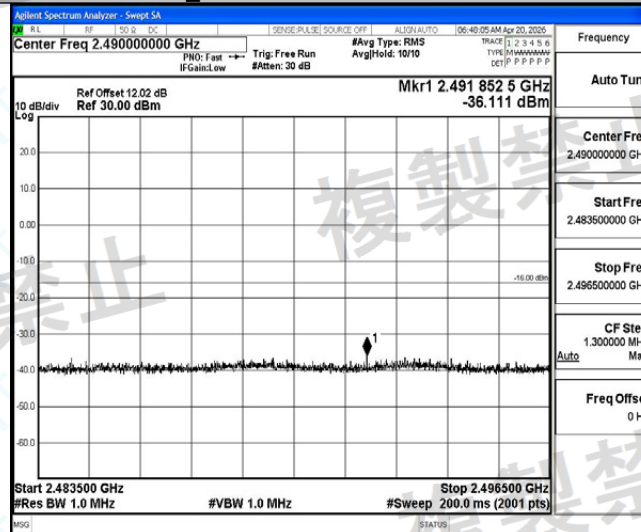


NTHV-BLE 1M-Ant1-2402-2387~2400-PASS

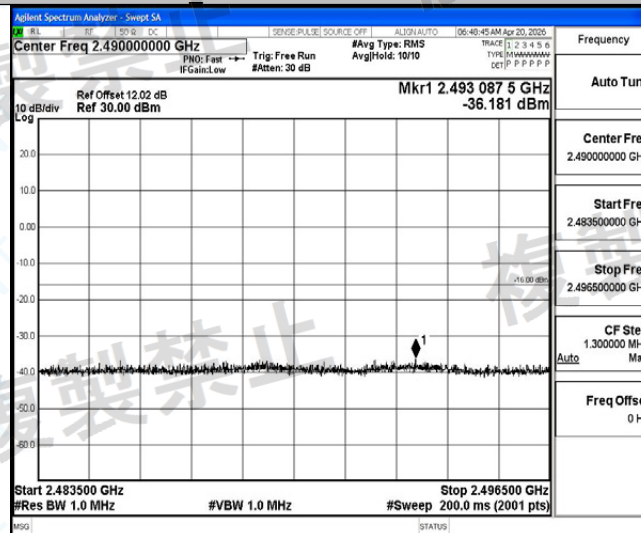




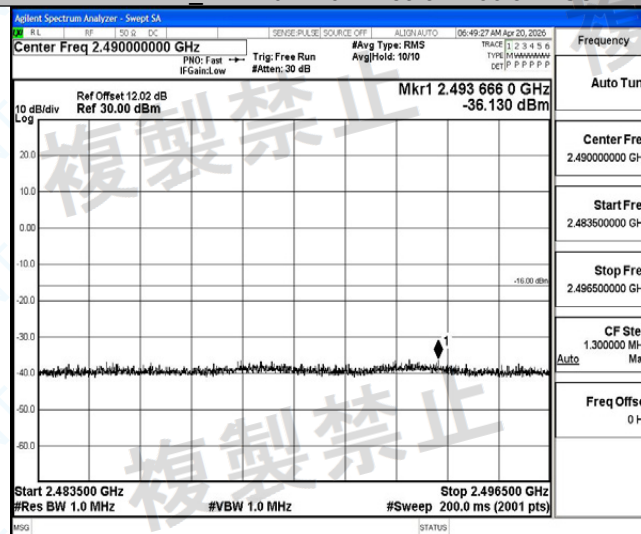
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NTNV-BLE_1M-Ant1-2402-2483.5~2496.5-PASS

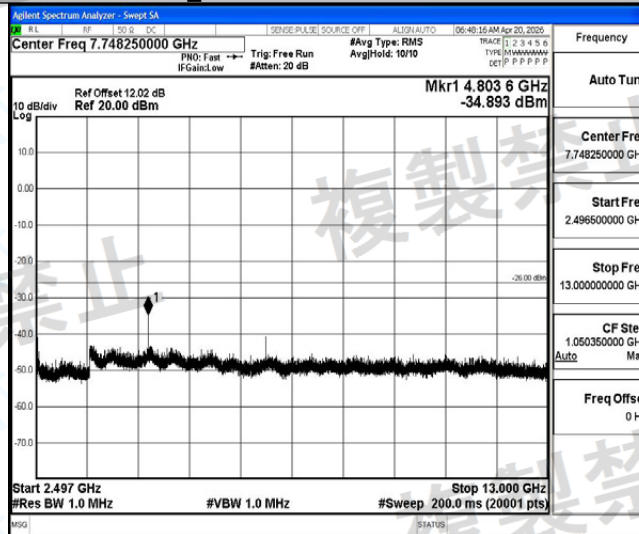


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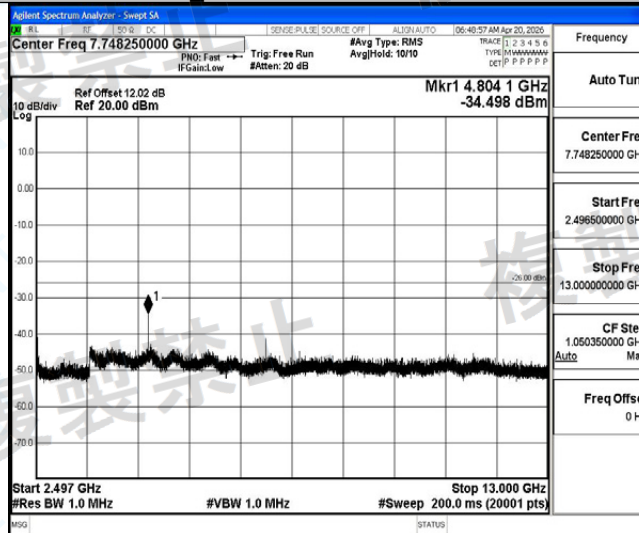




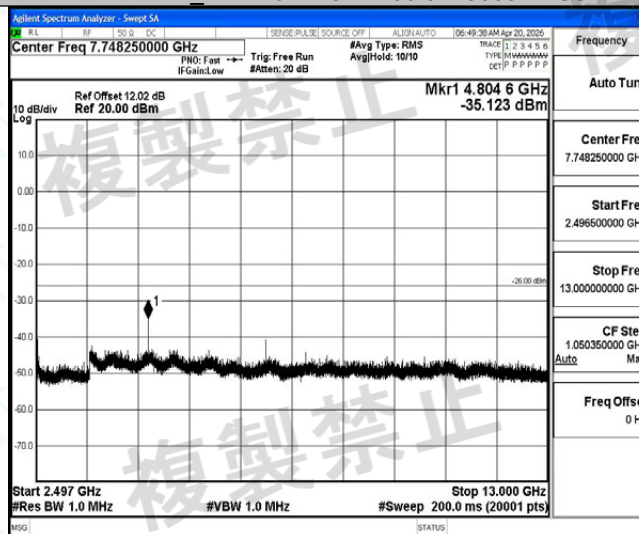
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NTNV-BLE 1M-Ant1-2402-2496.5~13000-PASS

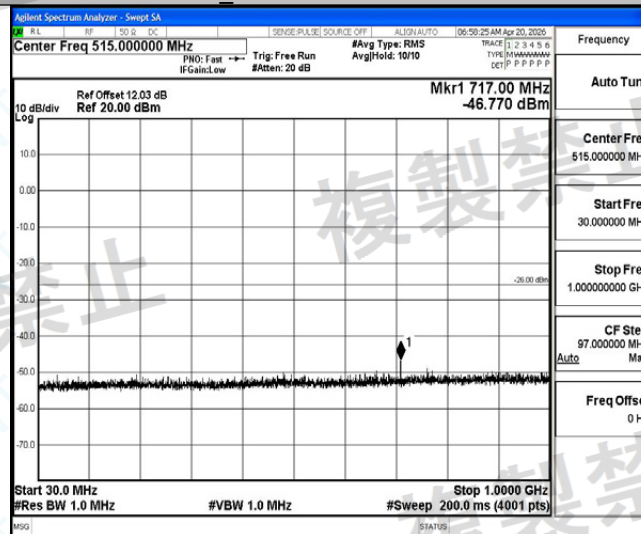


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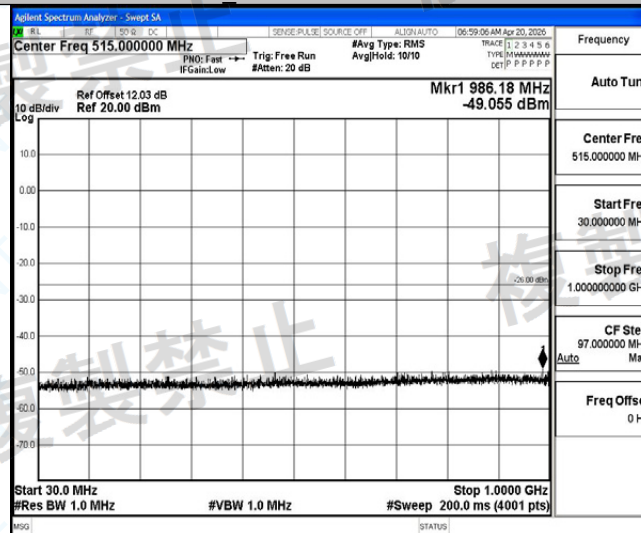




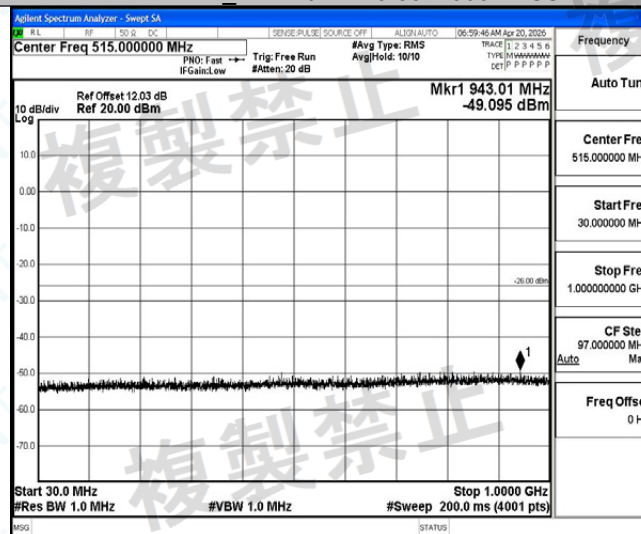
NTLV-BLE_1M-Ant1-2440-30~1000-PASS



NTNV-BLE_1M-Ant1-2440-30~1000-PASS

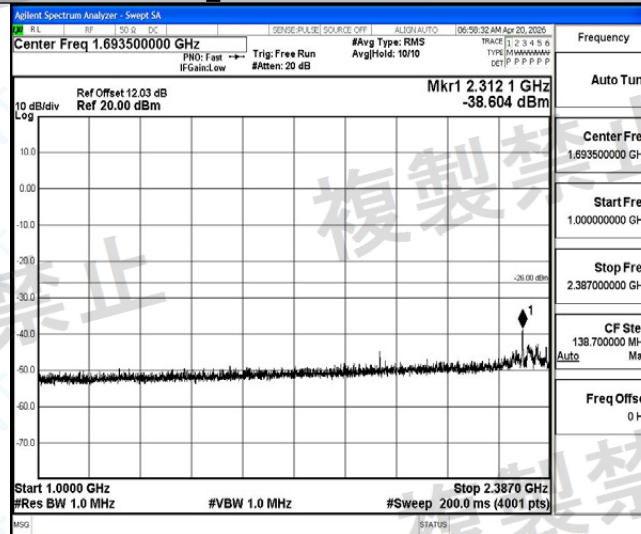


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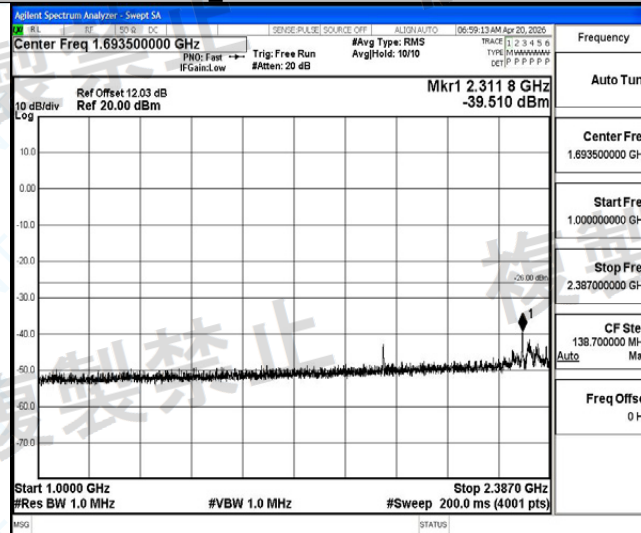




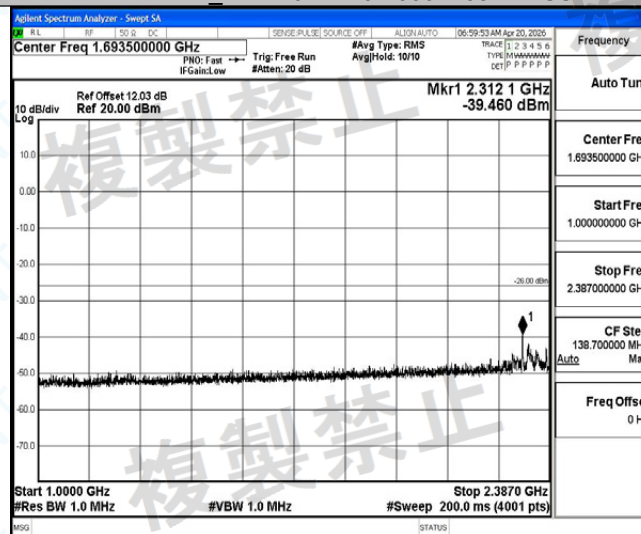
NTLV-BLE 1M-Ant1-2440-1000~2387-PASS



NTNV-BLE 1M-Ant1-2440-1000~2387-PASS

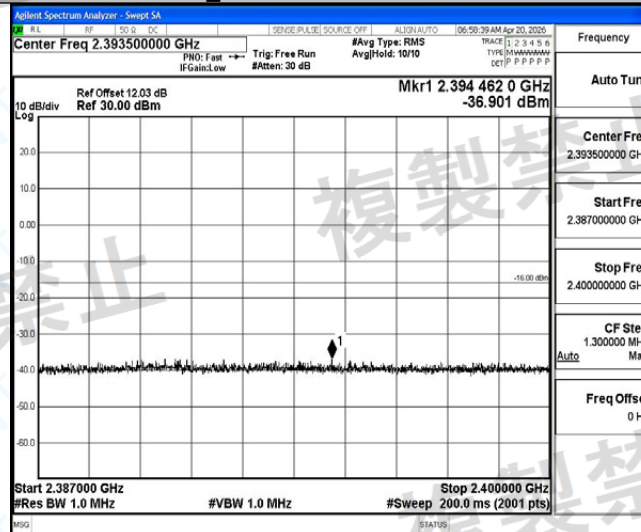


NTHV-BLE 1M-Ant1-2440-1000~2387-PASS

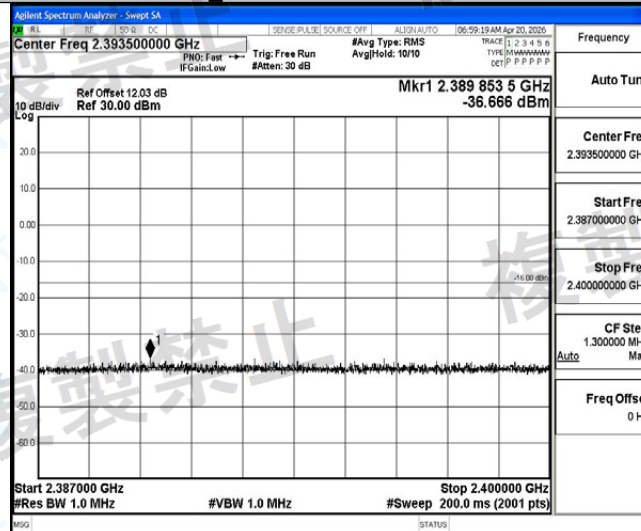




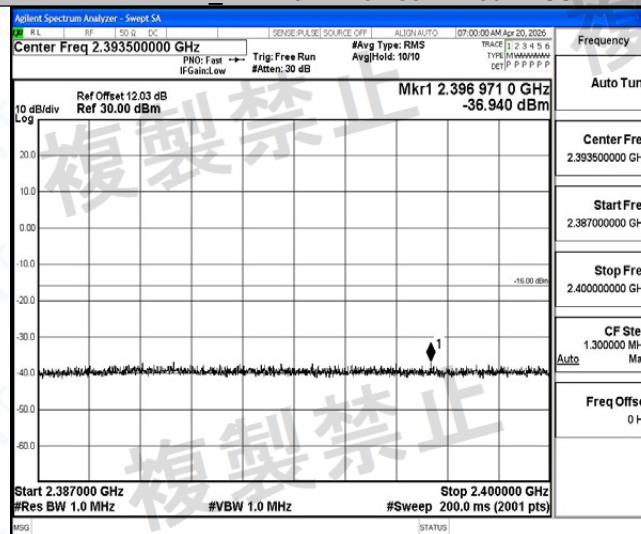
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NTNV-BLE 1M-Ant1-2440-2387~2400-PASS

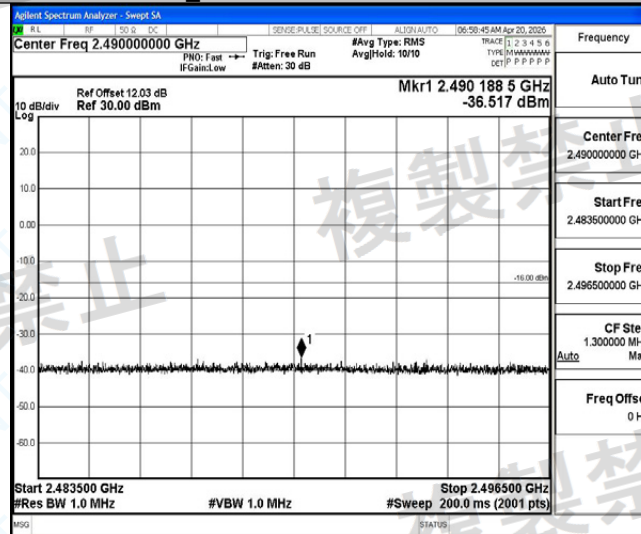


NTHV-BLE 1M-Ant1-2440-2387~2400-PASS

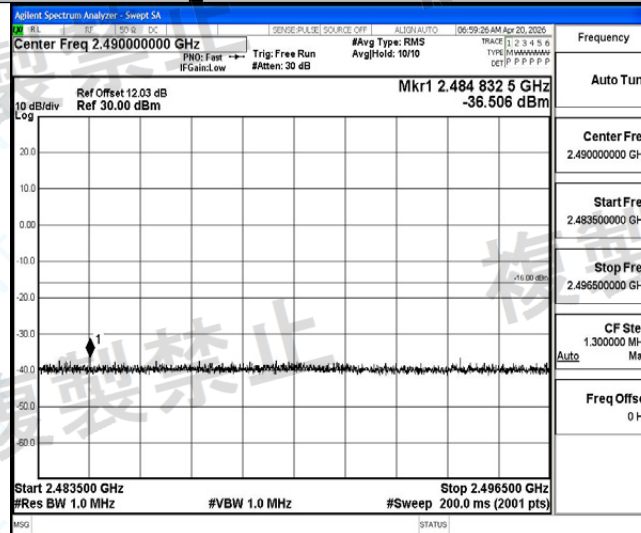




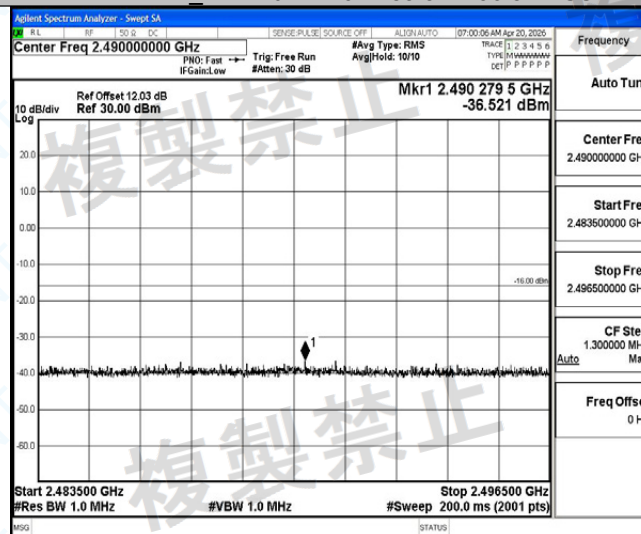
NTLV-BLE_1M-Ant1-2440-2483.5~2496.5-PASS



NTNV-BLE_1M-Ant1-2440-2483.5~2496.5-PASS

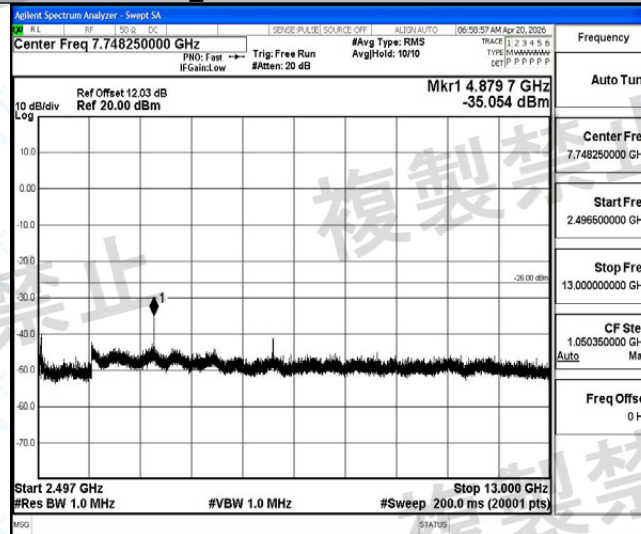


NTHV-BLE_1M-Ant1-2440-2483.5~2496.5-PASS

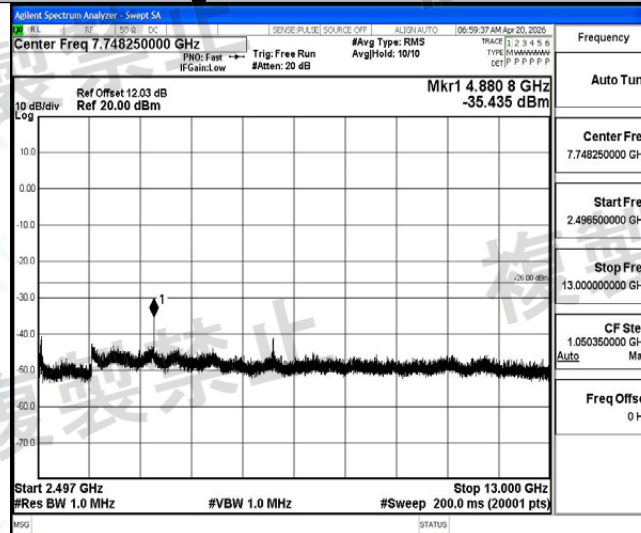




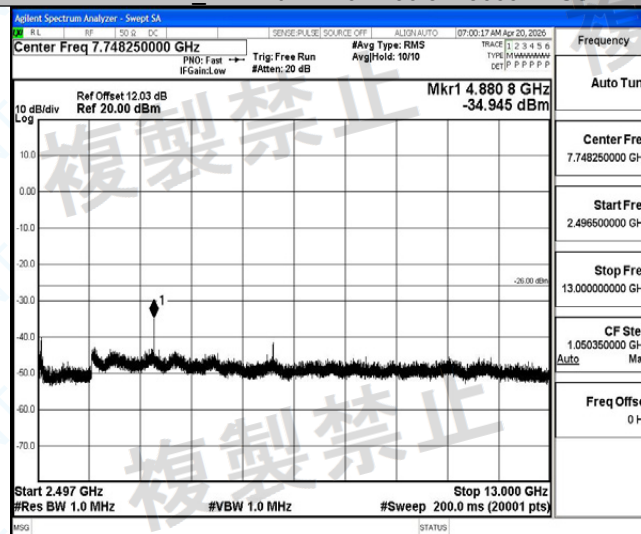
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NTNV-BLE 1M-Ant1-2440-2496.5~13000-PASS

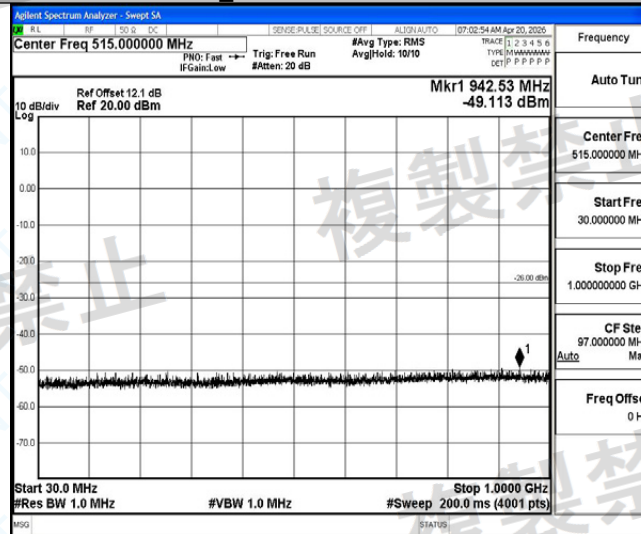


NTHV-BLE 1M-Ant1-2440-2496.5~13000-PASS

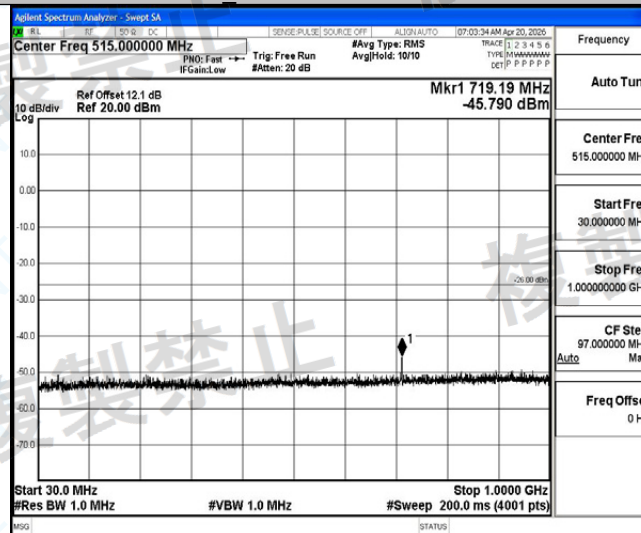




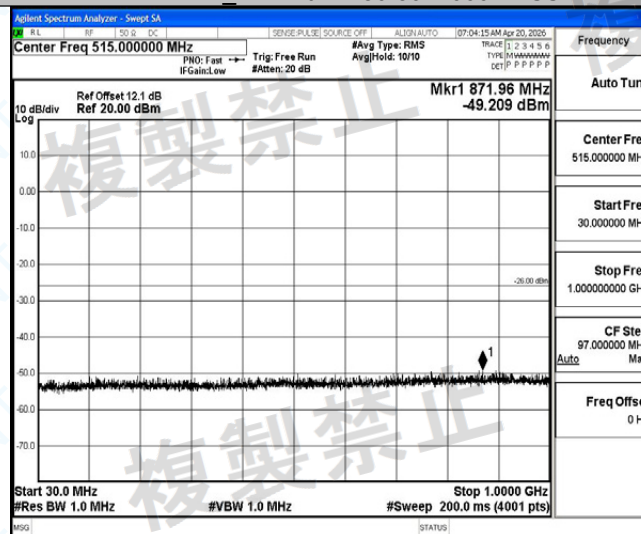
NTLV-BLE_1M-Ant1-2480-30~1000-PASS



NTNV-BLE_1M-Ant1-2480-30~1000-PASS

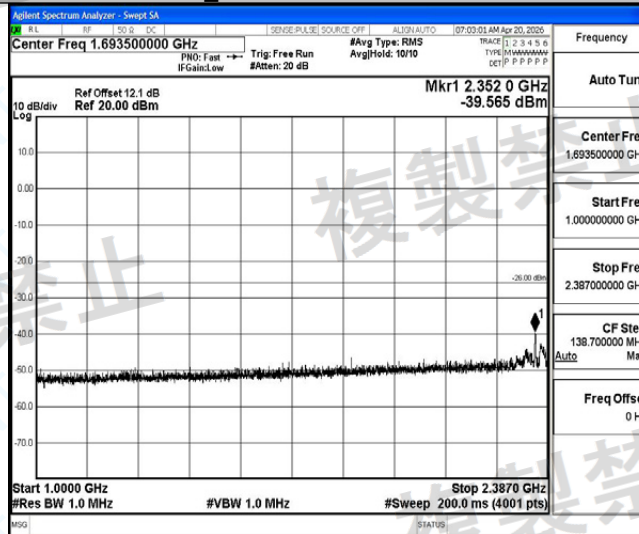


NTHV-BLE_1M-Ant1-2480-30~1000-PASS

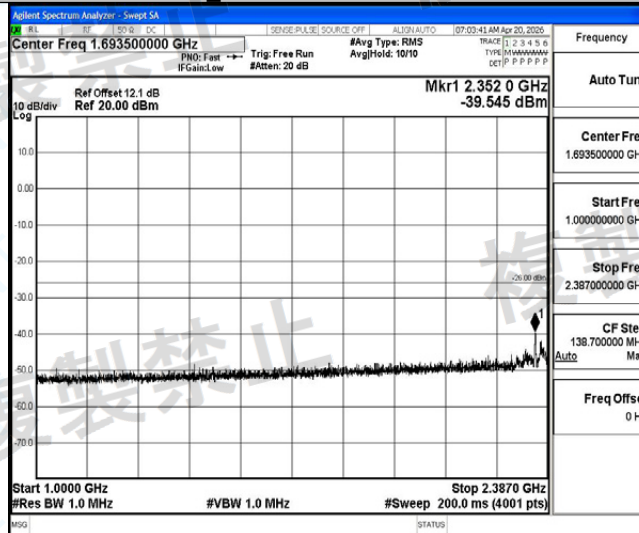




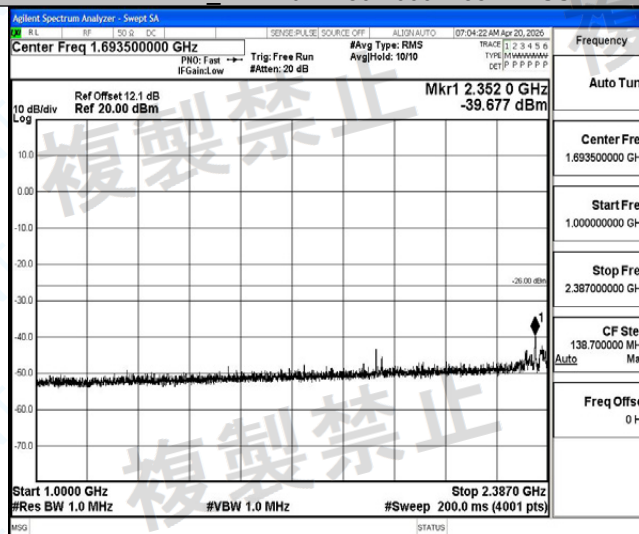
NTLV-BLE 1M-Ant1-2480-1000~2387-PASS



NTNV-BLE 1M-Ant1-2480-1000~2387-PASS

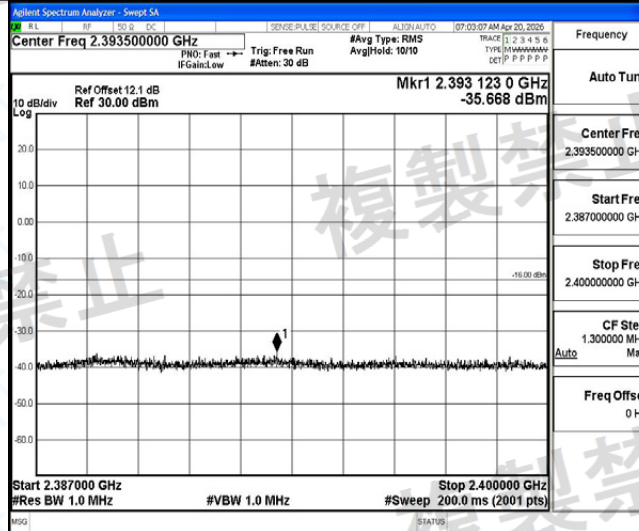


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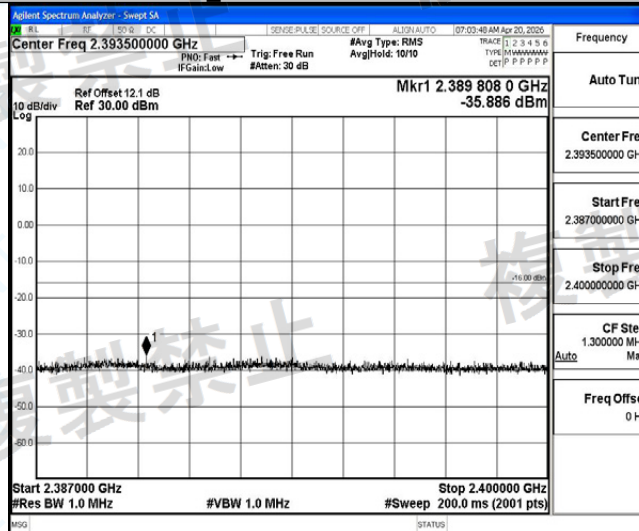




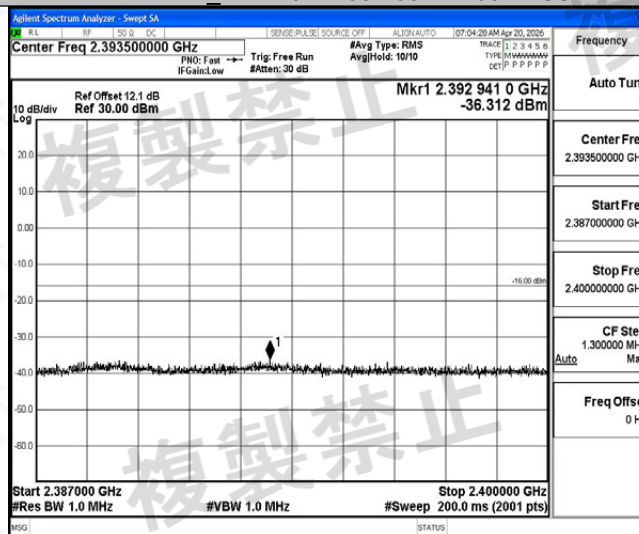
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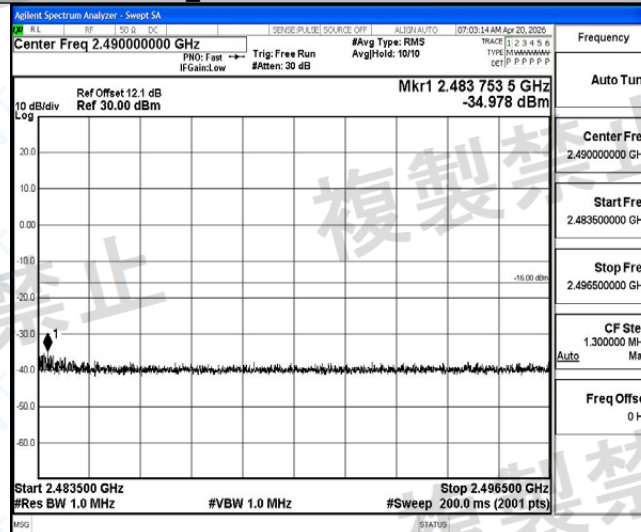


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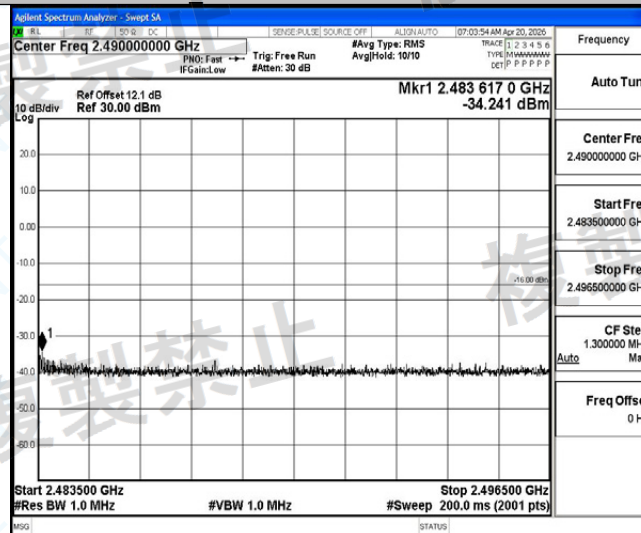




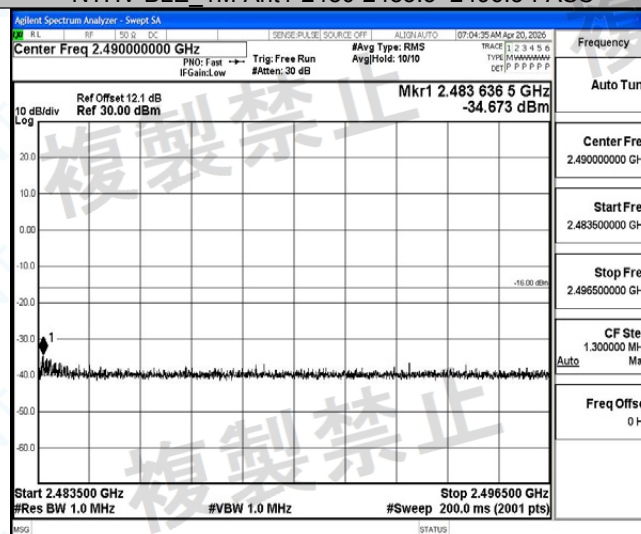
NTLV-BLE_1M-Ant1-2480-2483.5~2496.5-PASS



NTNV-BLE_1M-Ant1-2480-2483.5~2496.5-PASS

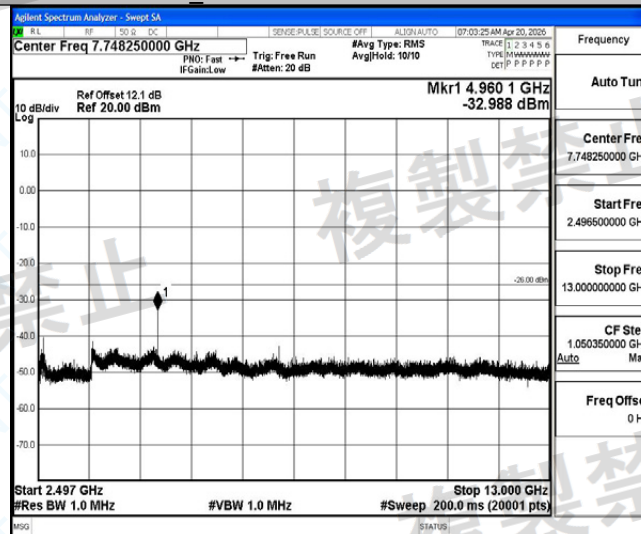


NTHV-BLE_1M-Ant1-2480-2483.5~2496.5-PASS

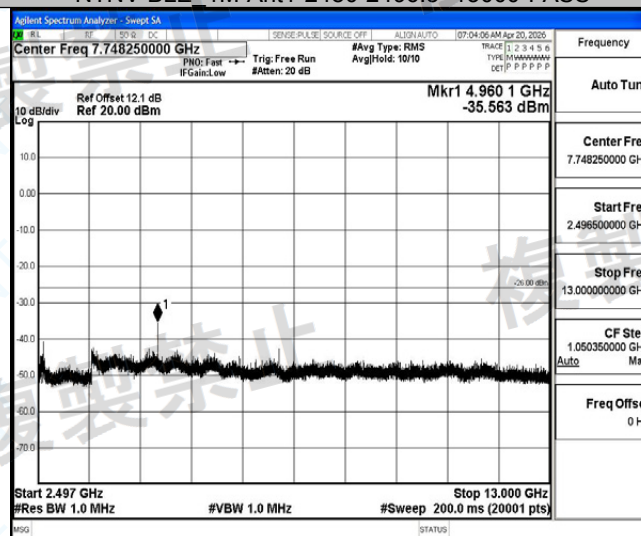




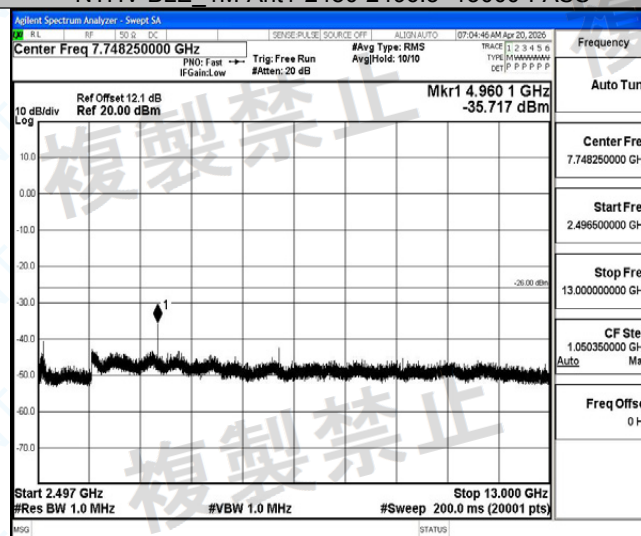
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NTNV-BLE 1M-Ant1-2480-2496.5~13000-PASS

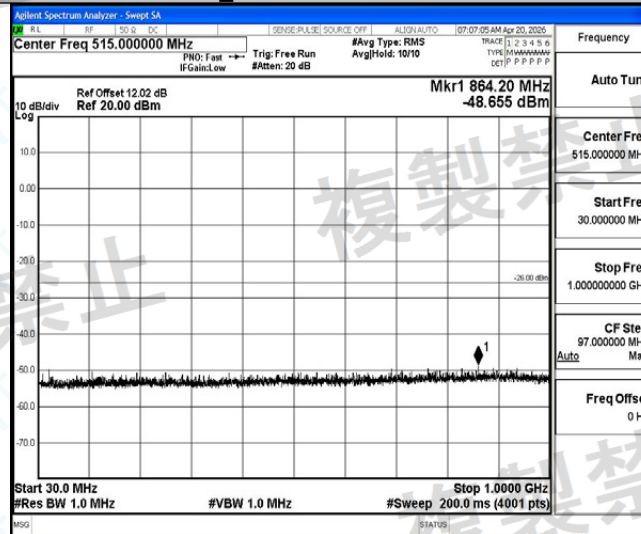


NTHV-BLE 1M-Ant1-2480-2496.5~13000-PASS

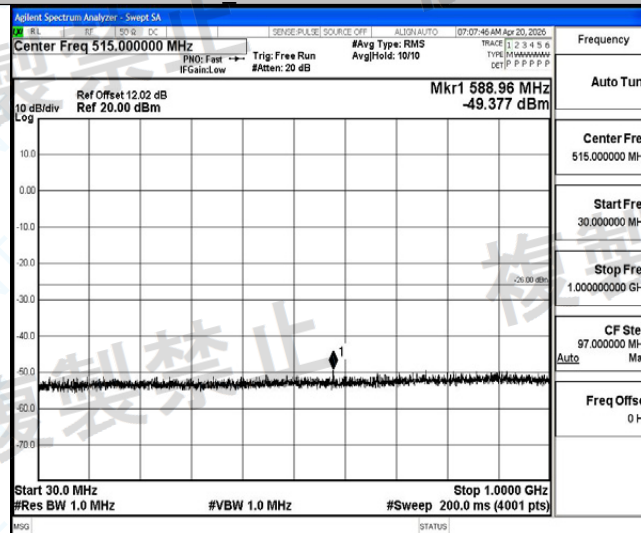




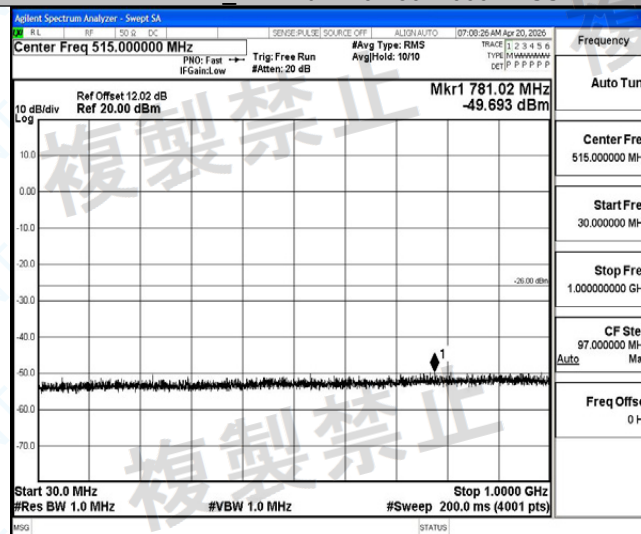
NTLV-BLE_2M-Ant1-2402-30~1000-PASS



NTNV-BLE_2M-Ant1-2402-30~1000-PASS

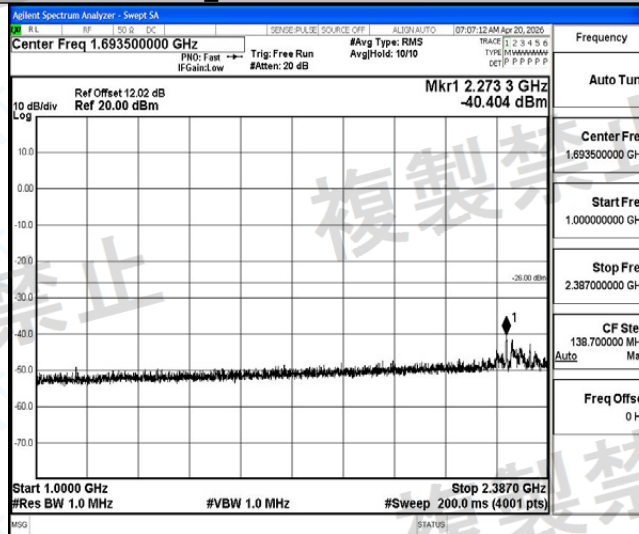


NTHV-BLE_2M-Ant1-2402-30~1000-PASS

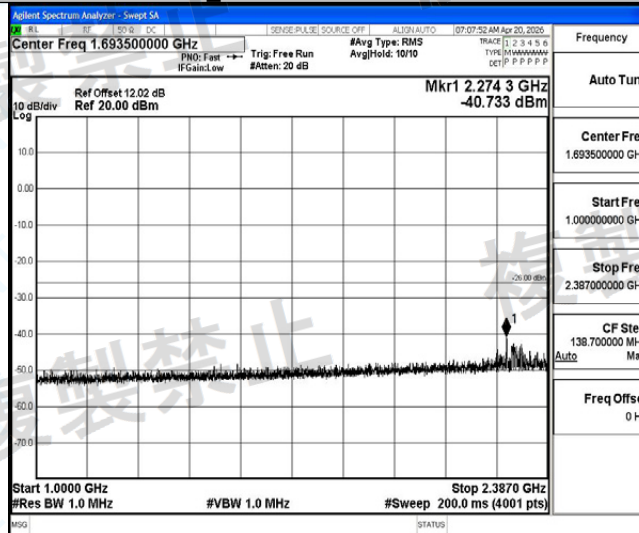




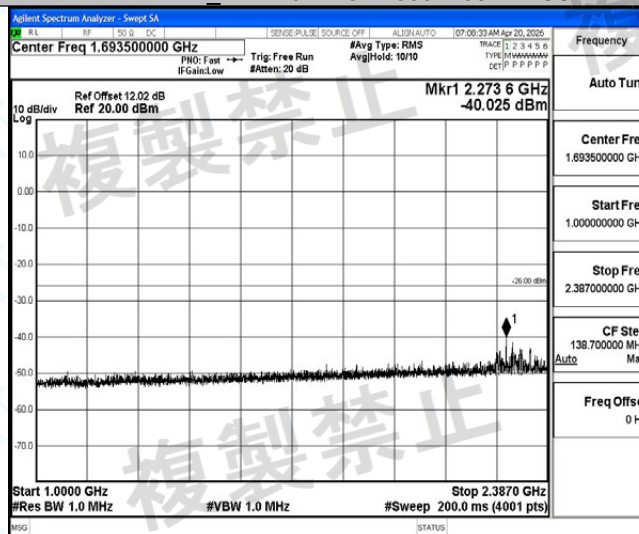
NTLV-BLE 2M-Ant1-2402-1000~2387-PASS



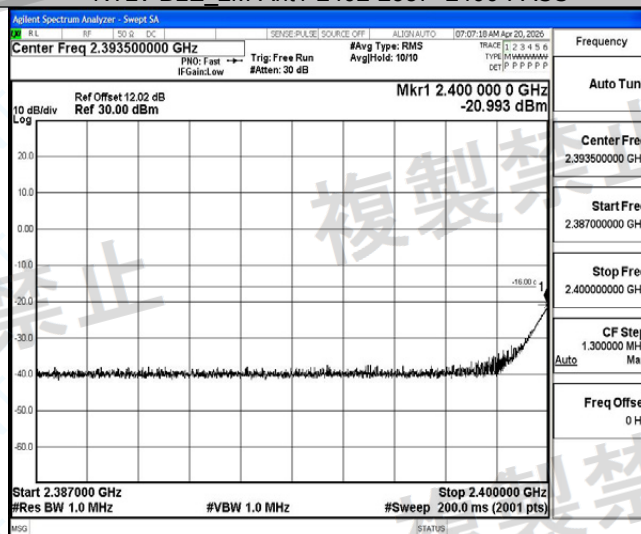
NTNV-BLE 2M-Ant1-2402-1000~2387-PASS



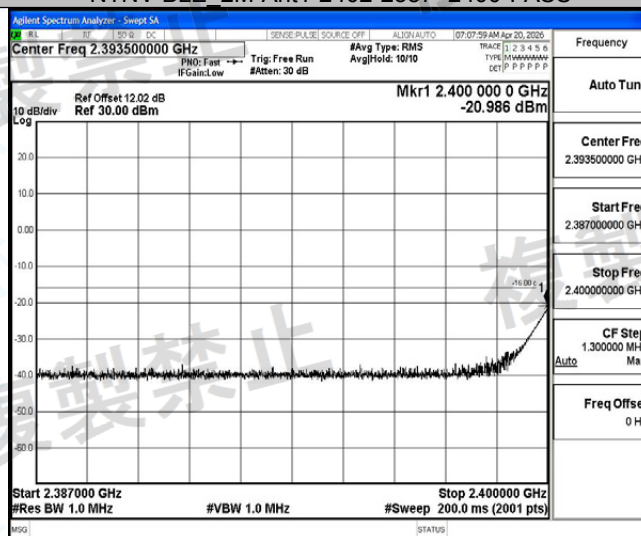
NTHV-BLE 2M-Ant1-2402-1000~2387-PASS



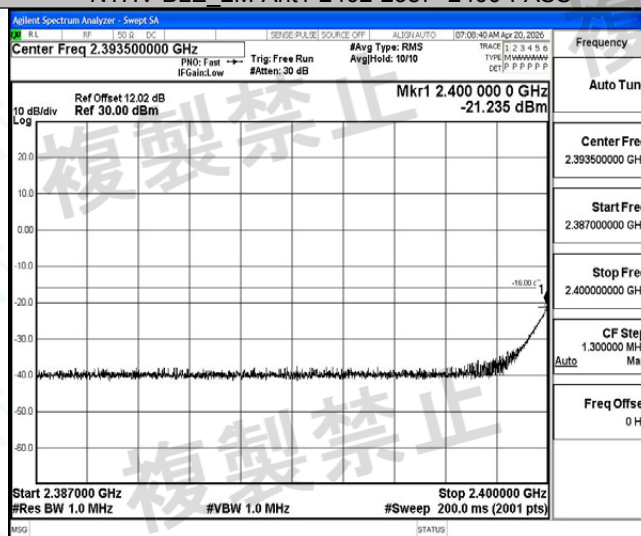
NTLV-BLE 2M-Ant1-2402-2387~2400-PASS



NTNV-BLE 2M-Ant1-2402-2387~2400-PASS

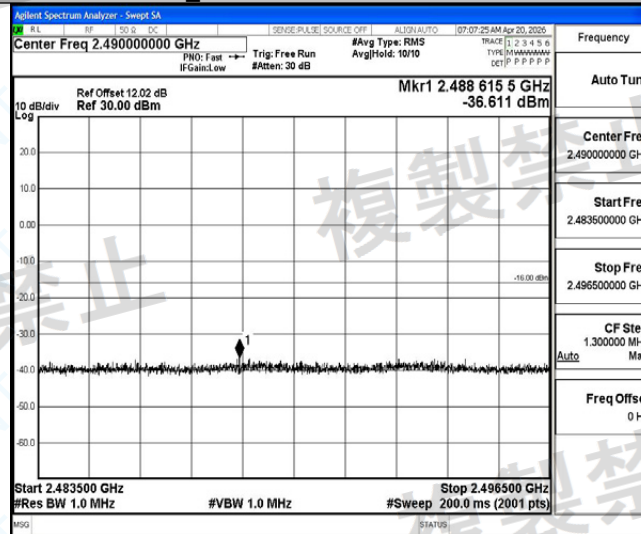


NTHV-BLE 2M-Ant1-2402-2387~2400-PASS

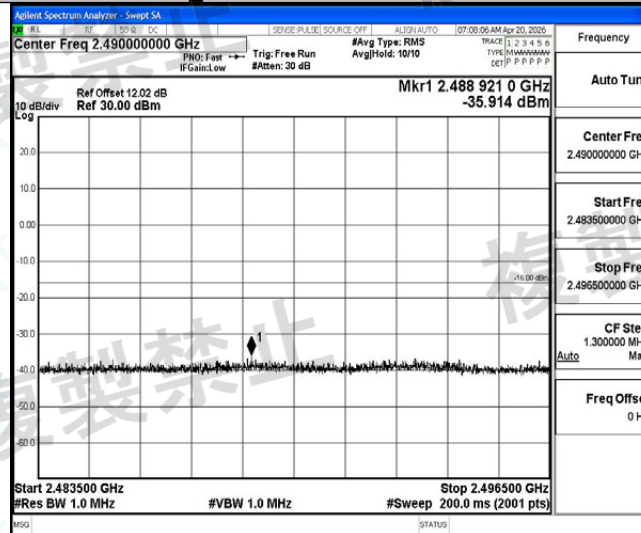




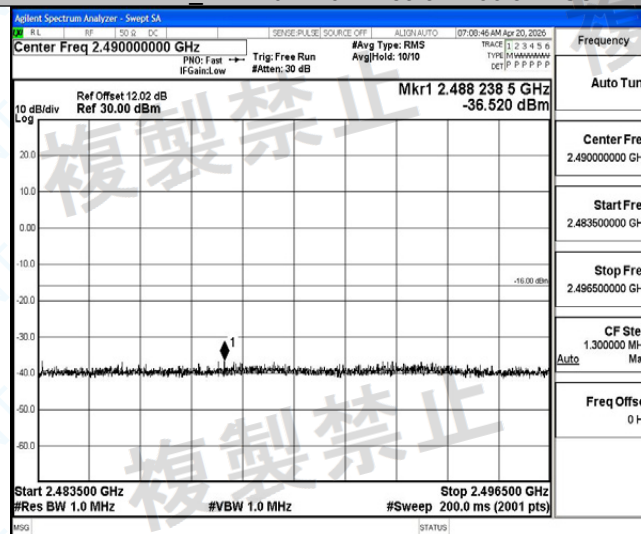
NTLV-BLE_2M-Ant1-2402-2483.5~2496.5-PASS



NTNV-BLE_2M-Ant1-2402-2483.5~2496.5-PASS

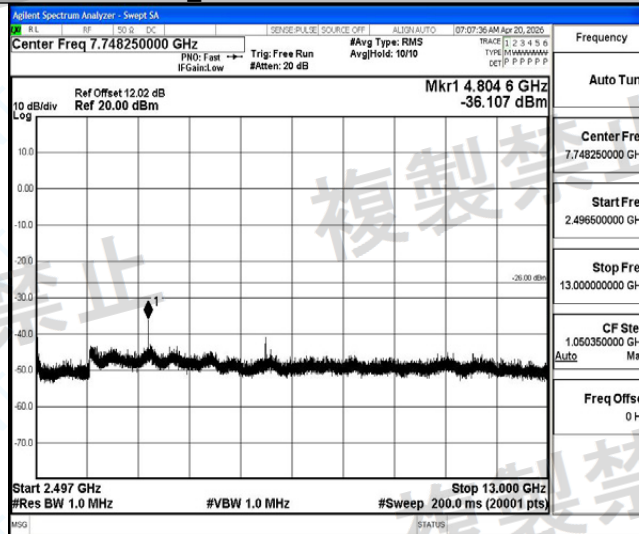


NTHV-BLE_2M-Ant1-2402-2483.5~2496.5-PASS

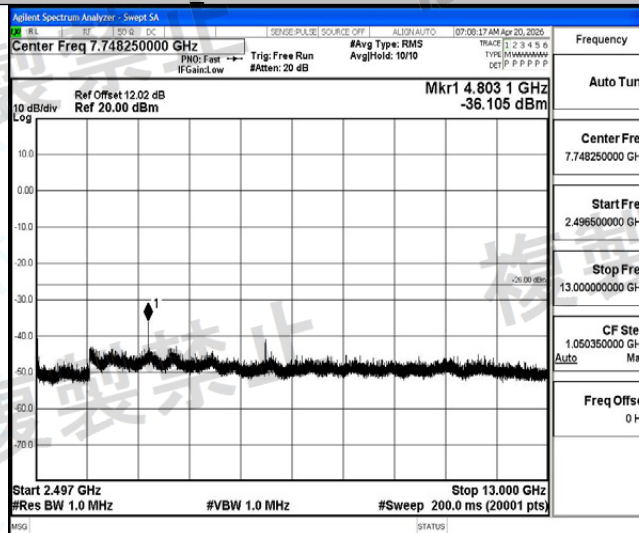




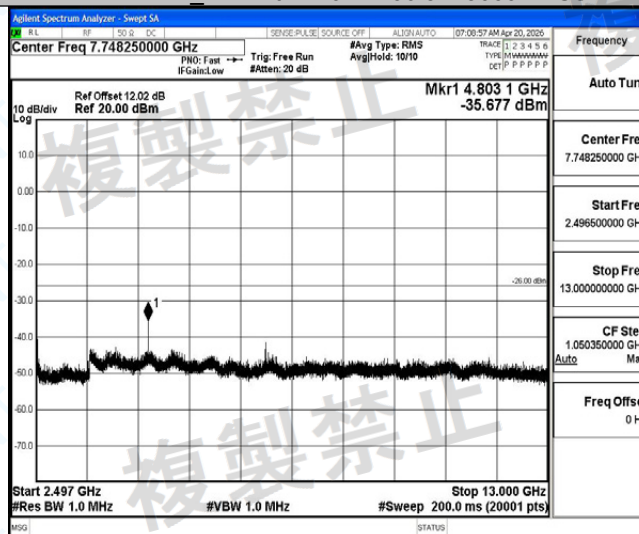
NTLV-BLE 2M-Ant1-2402-2496.5~13000-PASS



NTNV-BLE 2M-Ant1-2402-2496.5~13000-PASS

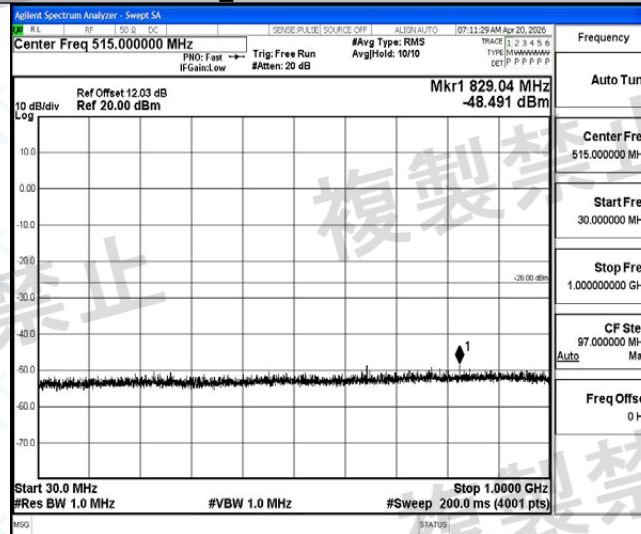


NTHV-BLE 2M-Ant1-2402-2496.5~13000-PASS

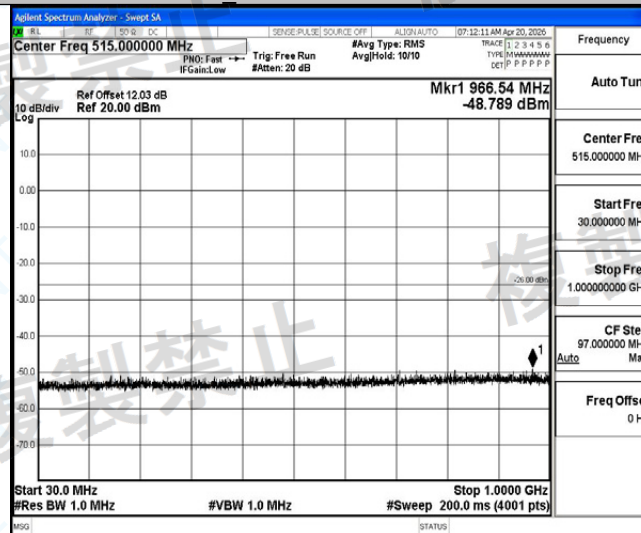




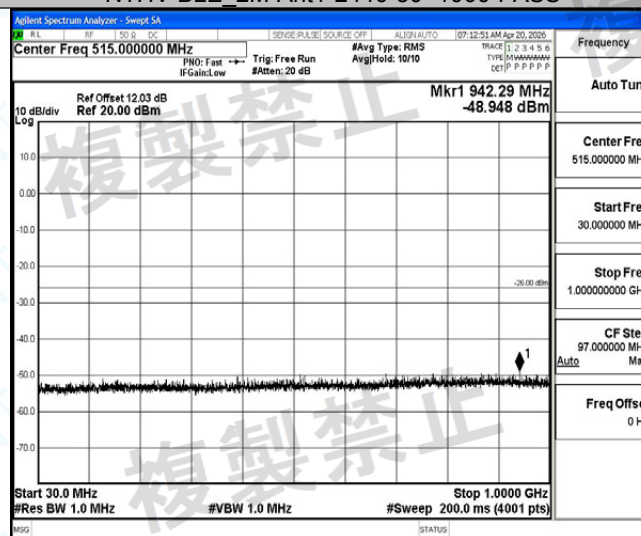
NTLV-BLE_2M-Ant1-2440-30~1000-PASS



NTNV-BLE_2M-Ant1-2440-30~1000-PASS

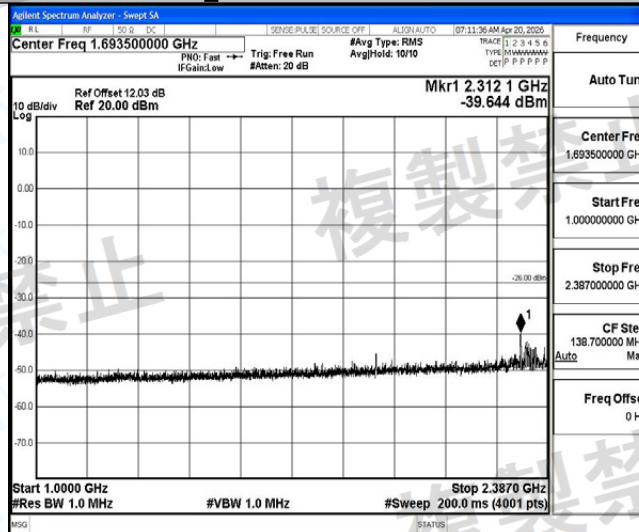


NTHV-BLE_2M-Ant1-2440-30~1000-PASS

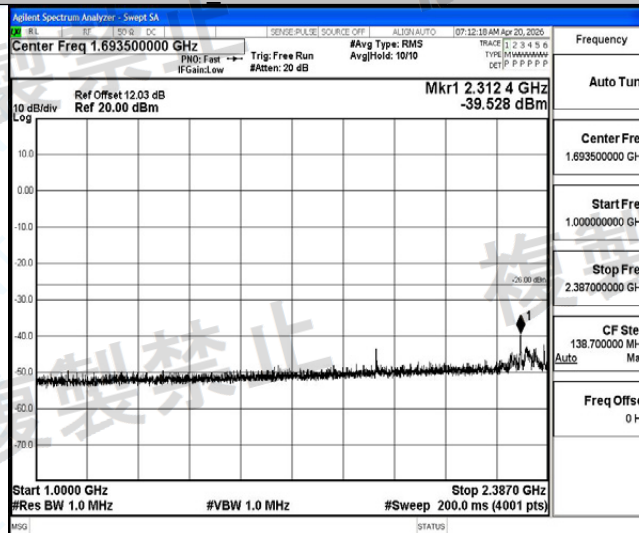




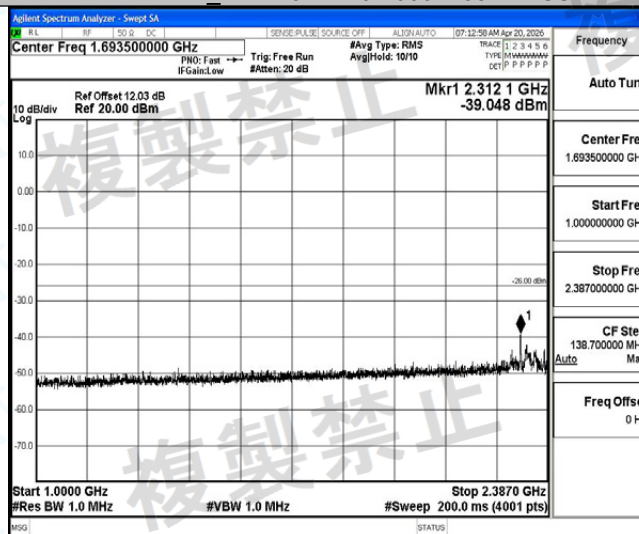
NTLV-BLE 2M-Ant1-2440-1000~2387-PASS



NTNV-BLE 2M-Ant1-2440-1000~2387-PASS

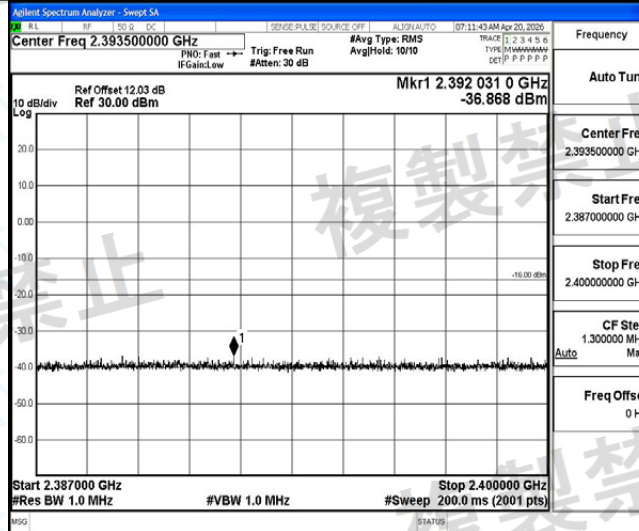


NTHV-BLE 2M-Ant1-2440-1000~2387-PASS

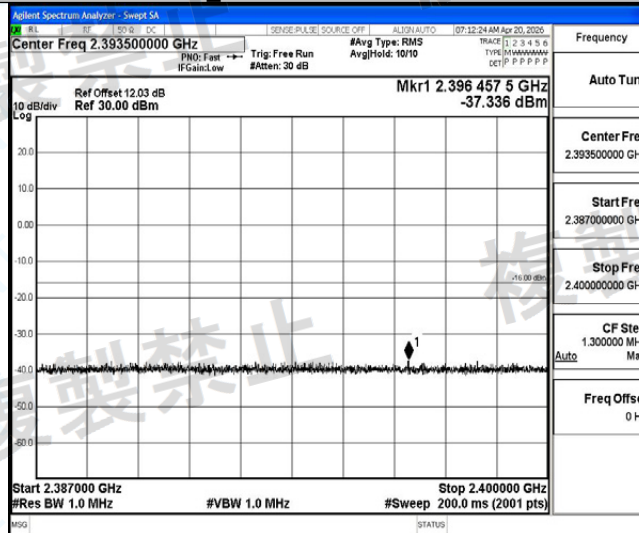




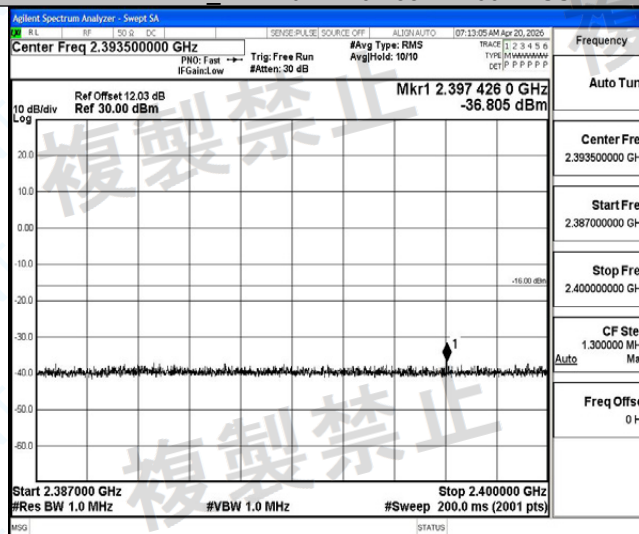
NTLV-BLE 2M-Ant1-2440-2387~2400-PASS



NTNV-BLE 2M-Ant1-2440-2387~2400-PASS

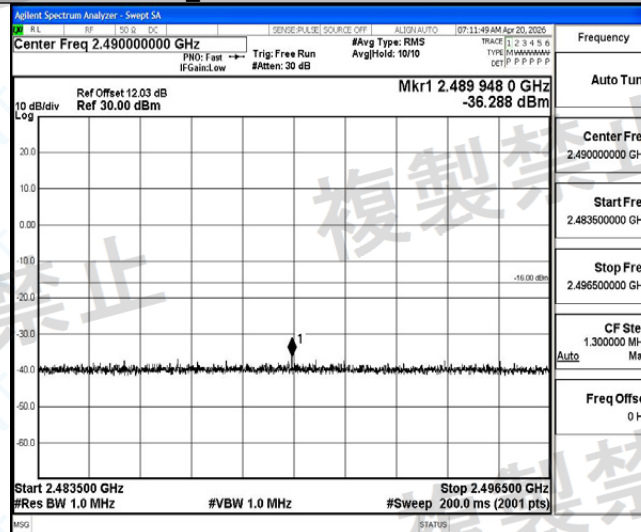


NTHV-BLE 2M-Ant1-2440-2387~2400-PASS

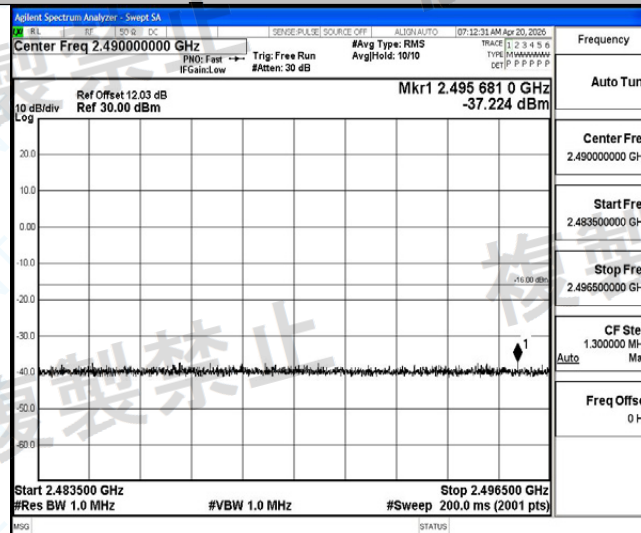




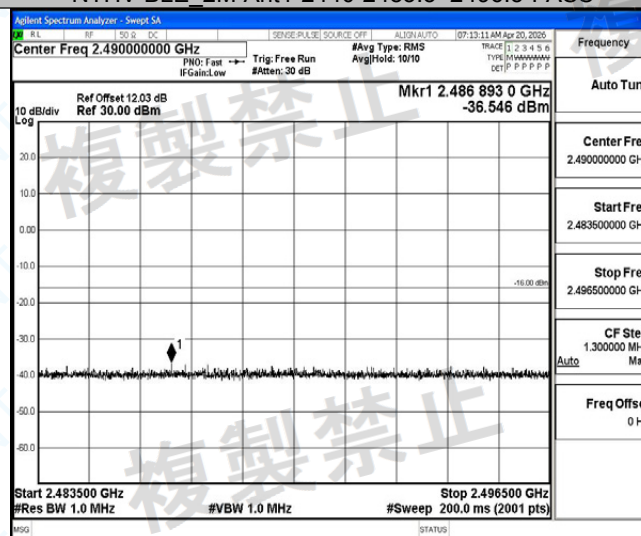
NTLV-BLE_2M-Ant1-2440-2483.5~2496.5-PASS



NTNV-BLE_2M-Ant1-2440-2483.5~2496.5-PASS

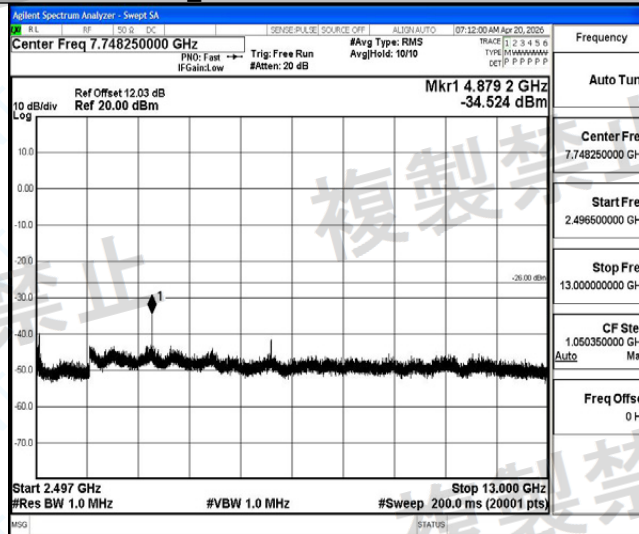


NTHV-BLE_2M-Ant1-2440-2483.5~2496.5-PASS

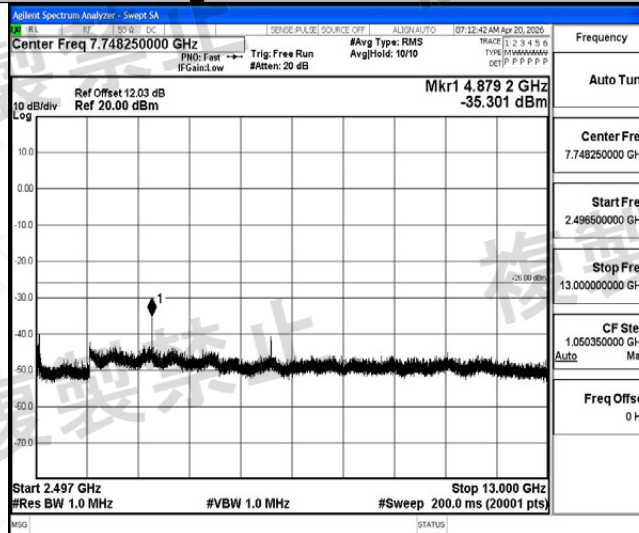




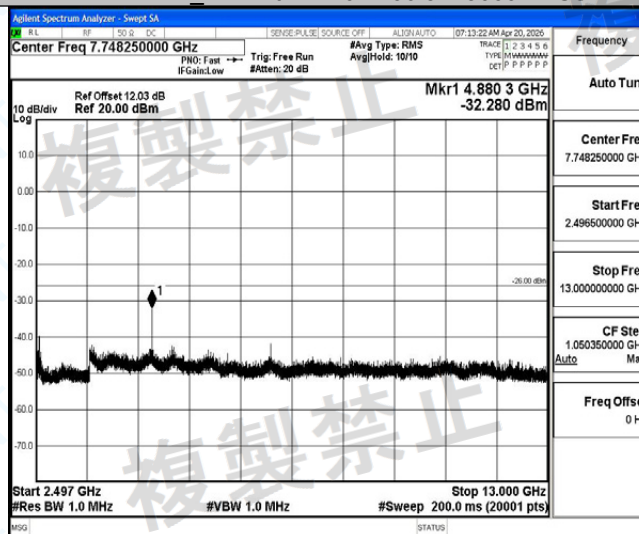
NTLV-BLE 2M-Ant1-2440-2496.5~13000-PASS



NTNV-BLE 2M-Ant1-2440-2496.5~13000-PASS

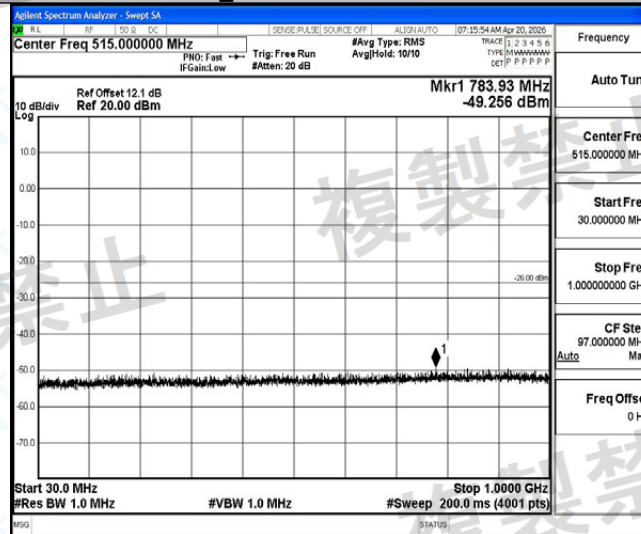


NTHV-BLE 2M-Ant1-2440-2496.5~13000-PASS

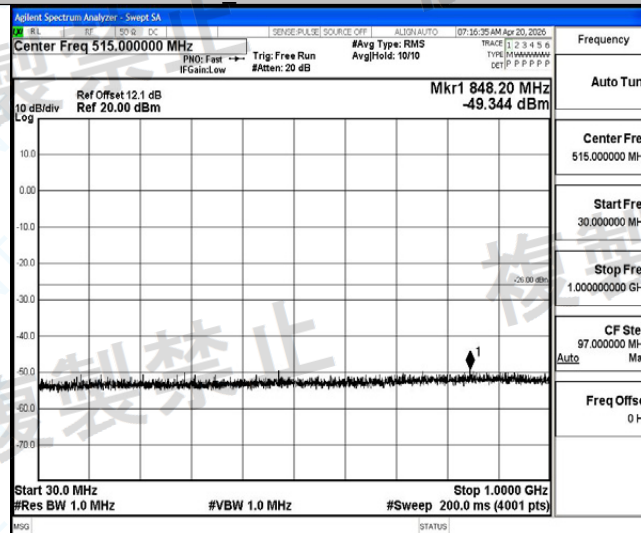




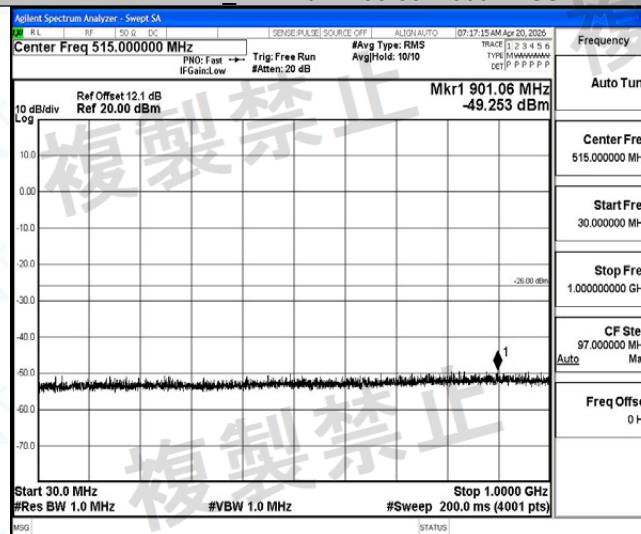
NTLV-BLE_2M-Ant1-2480-30~1000-PASS



NTNV-BLE_2M-Ant1-2480-30~1000-PASS

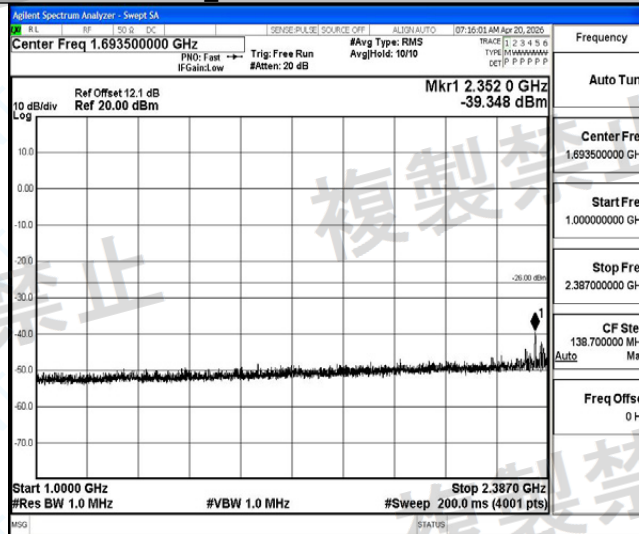


NTHV-BLE_2M-Ant1-2480-30~1000-PASS

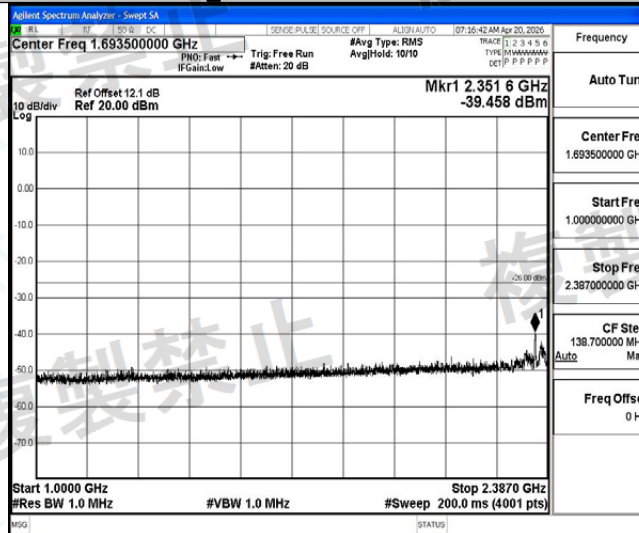




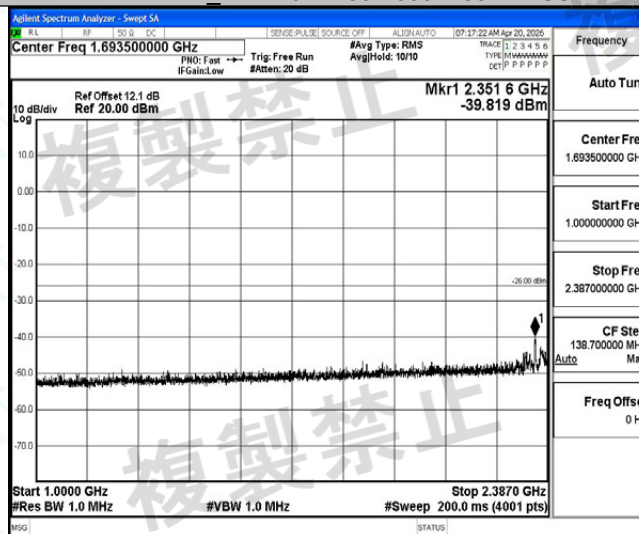
NTLV-BLE 2M-Ant1-2480-1000~2387-PASS



NTNV-BLE 2M-Ant1-2480-1000~2387-PASS

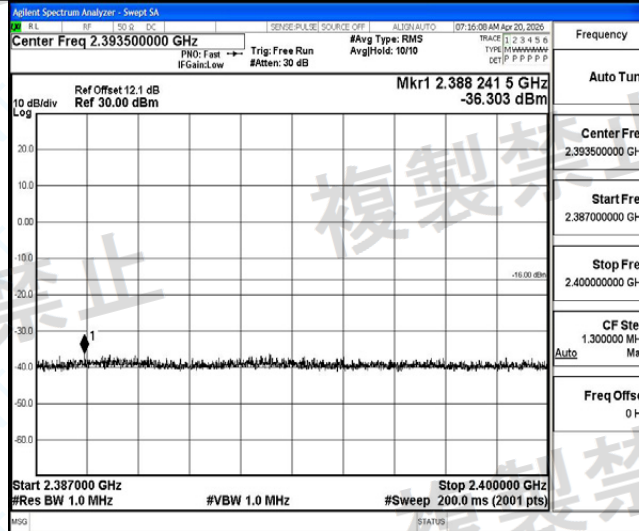


NTHV-BLE 2M-Ant1-2480-1000~2387-PASS

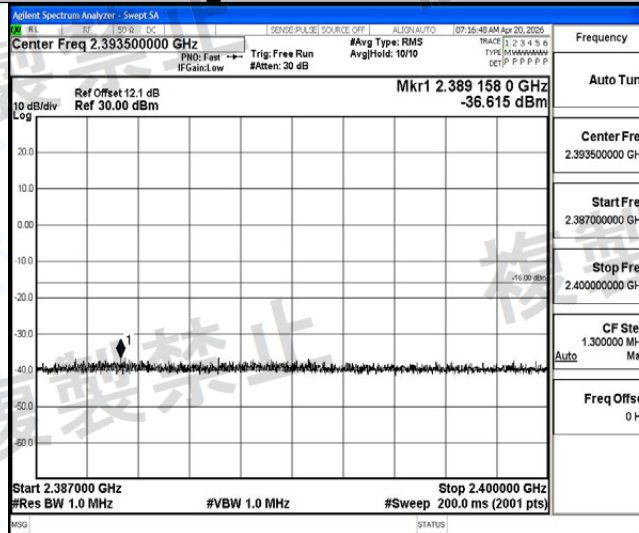




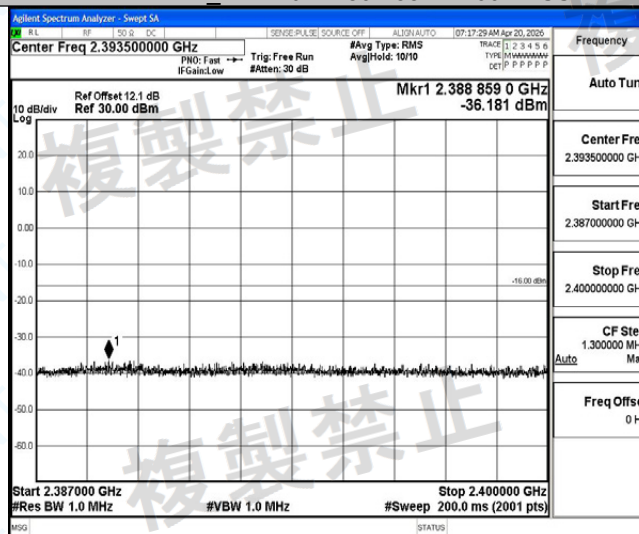
NTLV-BLE 2M-Ant1-2480-2387~2400-PASS



NTNV-BLE 2M-Ant1-2480-2387~2400-PASS

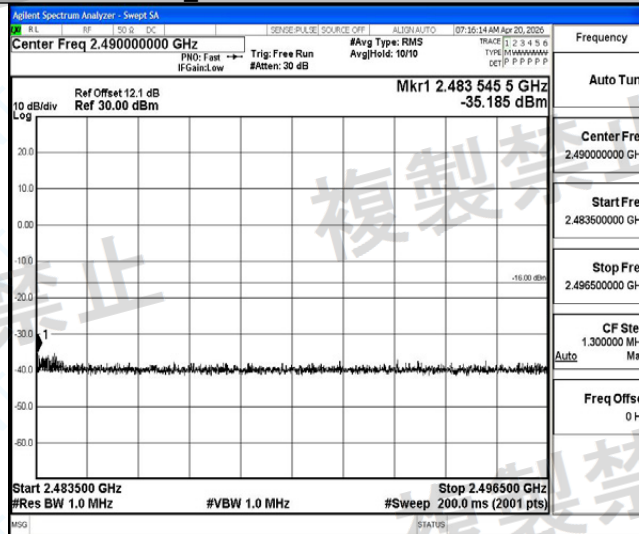


NTHV-BLE 2M-Ant1-2480-2387~2400-PASS

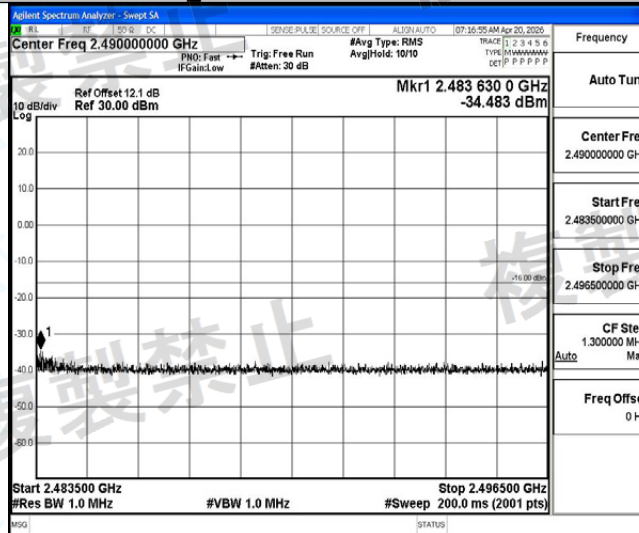




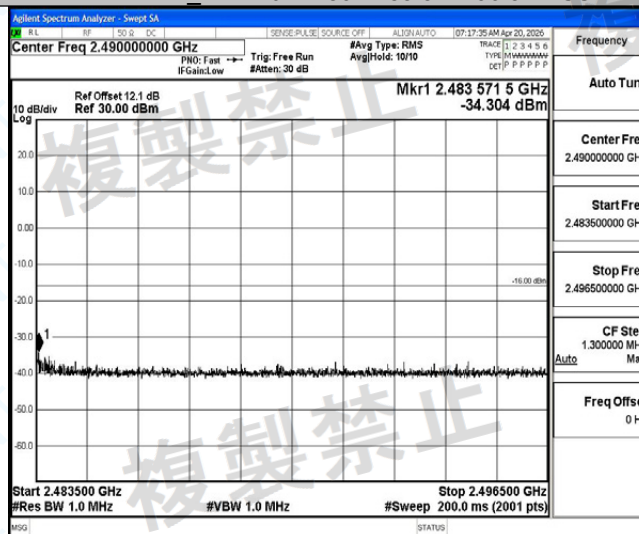
NTLV-BLE_2M-Ant1-2480-2483.5~2496.5-PASS



NTNV-BLE_2M-Ant1-2480-2483.5~2496.5-PASS

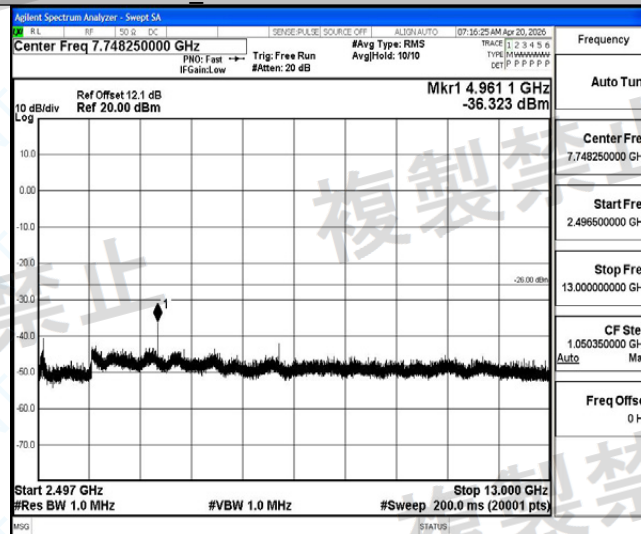


NTHV-BLE_2M-Ant1-2480-2483.5~2496.5-PASS

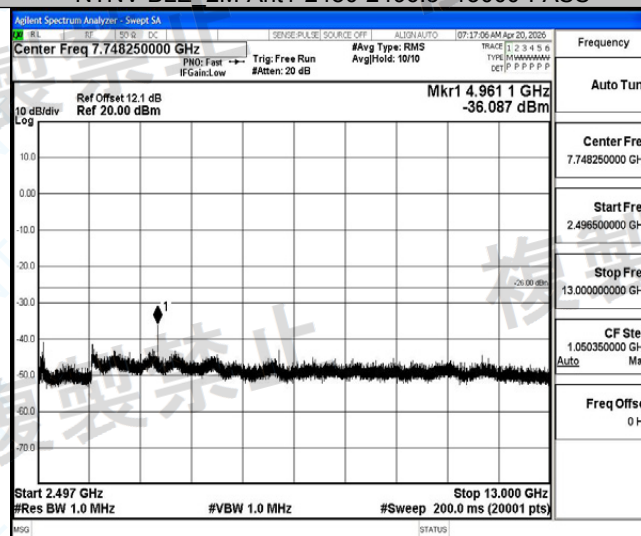




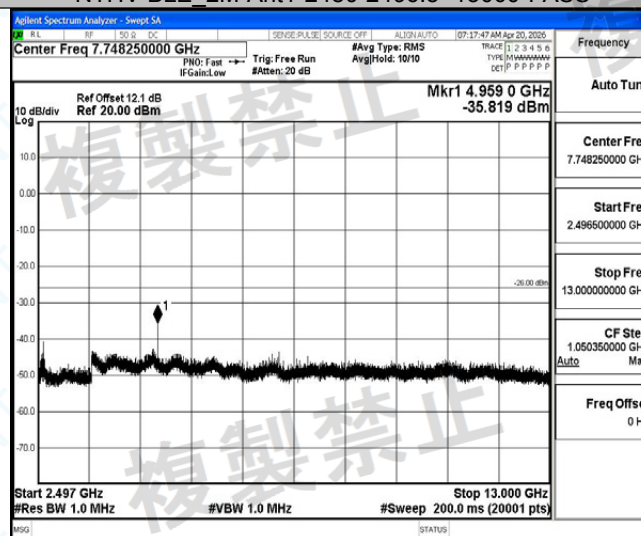
NTLV-BLE 2M-Ant1-2480-2496.5~13000-PASS



NTNV-BLE 2M-Ant1-2480-2496.5~13000-PASS



NTHV-BLE 2M-Ant1-2480-2496.5~13000-PASS



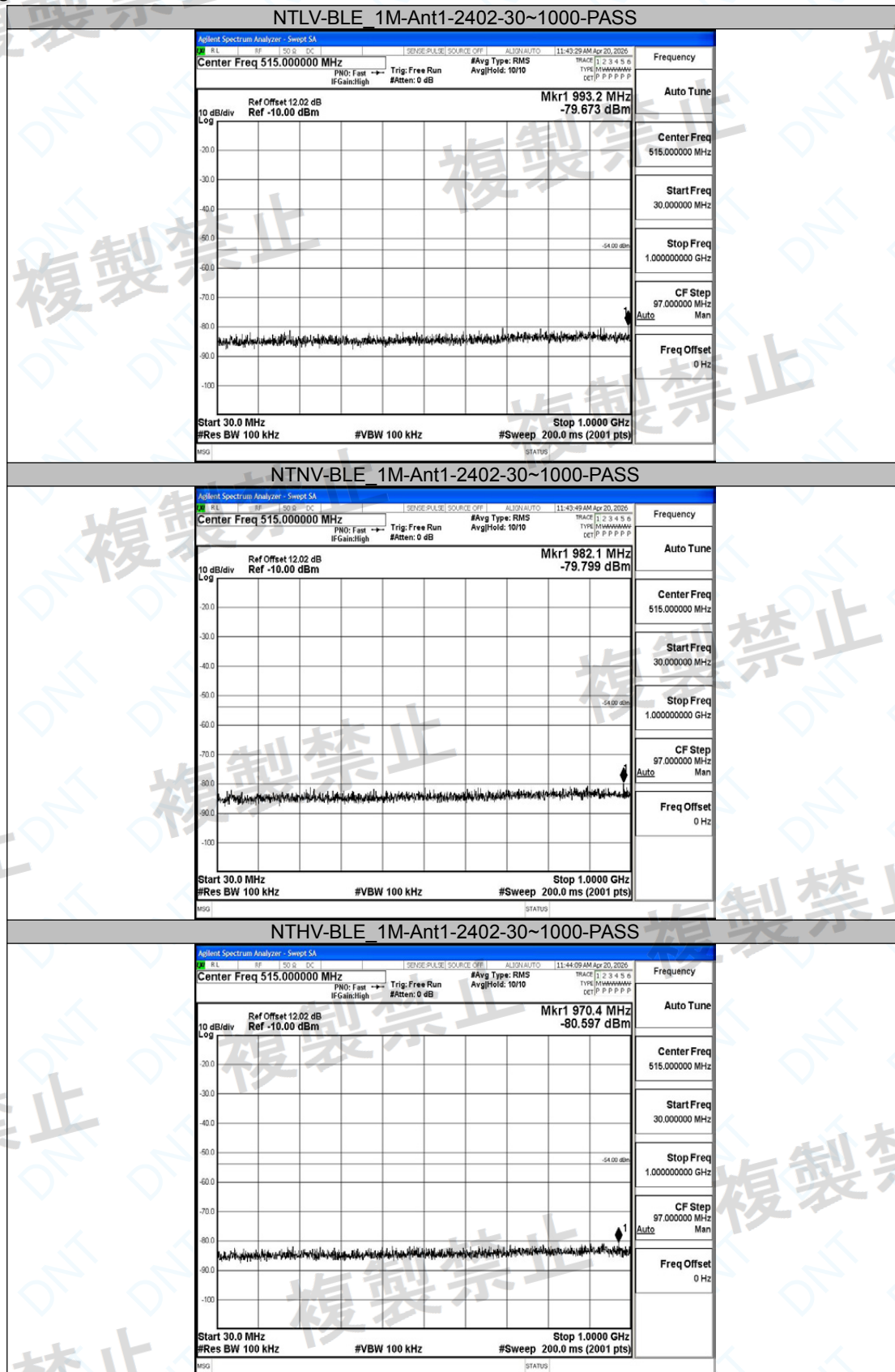
Note: SA set to from 2.4965GHz to 13GHz, plot shows from 2.497GHz to 13GHz as of SA's default format.

**Appendix F: Spurious Emission of RX****Test Result**

Test Condition	Test Mode	Antenna	Freq (MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTLV	BLE_1M	Ant1	2402	30~1000	993.21	-79.67	≤-54	0.01079	≤4	PASS
NTNV	BLE_1M	Ant1	2402	30~1000	982.06	-79.80	≤-54	0.01047	≤4	PASS
NTHV	BLE_1M	Ant1	2402	30~1000	970.42	-80.60	≤-54	0.00871	≤4	PASS
NTLV	BLE_1M	Ant1	2402	1000~12500	3627.75	-62.54	≤-47	0.55719	≤20	PASS
NTNV	BLE_1M	Ant1	2402	1000~12500	4072.80	-63.24	≤-47	0.47424	≤20	PASS
NTHV	BLE_1M	Ant1	2402	1000~12500	3613.38	-62.34	≤-47	0.58345	≤20	PASS
NTLV	BLE_1M	Ant1	2440	30~1000	812.31	-80.40	≤-54	0.00912	≤4	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	749.74	-79.70	≤-54	0.01072	≤4	PASS
NTHV	BLE_1M	Ant1	2440	30~1000	823.95	-80.03	≤-54	0.00993	≤4	PASS
NTLV	BLE_1M	Ant1	2440	1000~12500	4107.30	-62.47	≤-47	0.56624	≤20	PASS
NTNV	BLE_1M	Ant1	2440	1000~12500	3619.13	-62.14	≤-47	0.61094	≤20	PASS
NTHV	BLE_1M	Ant1	2440	1000~12500	3632.93	-62.95	≤-47	0.50699	≤20	PASS
NTLV	BLE_1M	Ant1	2480	30~1000	800.18	-80.60	≤-54	0.00871	≤4	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	967.51	-80.52	≤-54	0.00887	≤4	PASS
NTHV	BLE_1M	Ant1	2480	30~1000	741.50	-80.27	≤-54	0.00940	≤4	PASS
NTLV	BLE_1M	Ant1	2480	1000~12500	3668.58	-62.54	≤-47	0.55719	≤20	PASS
NTNV	BLE_1M	Ant1	2480	1000~12500	3616.25	-62.76	≤-47	0.52966	≤20	PASS
NTHV	BLE_1M	Ant1	2480	1000~12500	4887.58	-62.65	≤-47	0.54325	≤20	PASS
NTLV	BLE_2M	Ant1	2402	30~1000	832.68	-80.12	≤-54	0.00973	≤4	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	904.94	-80.35	≤-54	0.00923	≤4	PASS
NTHV	BLE_2M	Ant1	2402	30~1000	884.57	-80.55	≤-54	0.00881	≤4	PASS
NTLV	BLE_2M	Ant1	2402	1000~12500	3686.40	-62.90	≤-47	0.51286	≤20	PASS
NTNV	BLE_2M	Ant1	2402	1000~12500	4841.58	-62.76	≤-47	0.52966	≤20	PASS
NTHV	BLE_2M	Ant1	2402	1000~12500	3687.55	-63.05	≤-47	0.49545	≤20	PASS
NTLV	BLE_2M	Ant1	2440	30~1000	867.11	-80.86	≤-54	0.00820	≤4	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	766.72	-80.18	≤-54	0.00959	≤4	PASS
NTHV	BLE_2M	Ant1	2440	30~1000	922.40	-80.20	≤-54	0.00955	≤4	PASS
NTLV	BLE_2M	Ant1	2440	1000~12500	3604.75	-62.97	≤-47	0.50466	≤20	PASS
NTNV	BLE_2M	Ant1	2440	1000~12500	3604.18	-62.89	≤-47	0.51404	≤20	PASS
NTHV	BLE_2M	Ant1	2440	1000~12500	4870.33	-62.71	≤-47	0.53580	≤20	PASS
NTLV	BLE_2M	Ant1	2480	30~1000	953.44	-80.02	≤-54	0.00995	≤4	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	675.54	-79.87	≤-54	0.01030	≤4	PASS
NTHV	BLE_2M	Ant1	2480	30~1000	852.56	-80.32	≤-54	0.00929	≤4	PASS
NTLV	BLE_2M	Ant1	2480	1000~12500	4836.40	-62.81	≤-47	0.52360	≤20	PASS
NTNV	BLE_2M	Ant1	2480	1000~12500	3644.43	-62.75	≤-47	0.53088	≤20	PASS
NTHV	BLE_2M	Ant1	2480	1000~12500	4837.55	-62.62	≤-47	0.54702	≤20	PASS

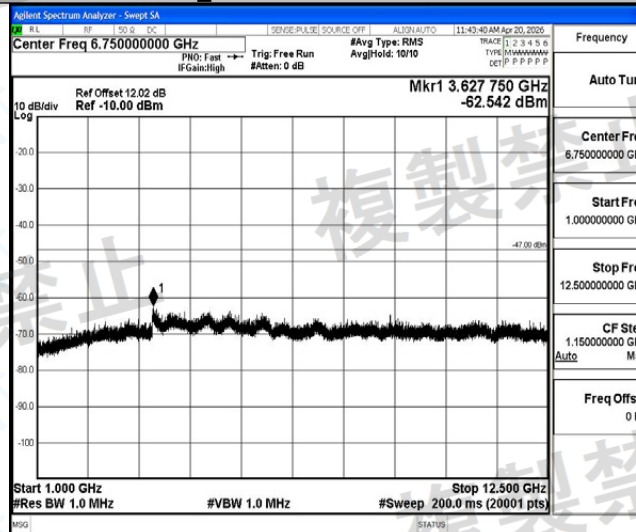


Test Graphs

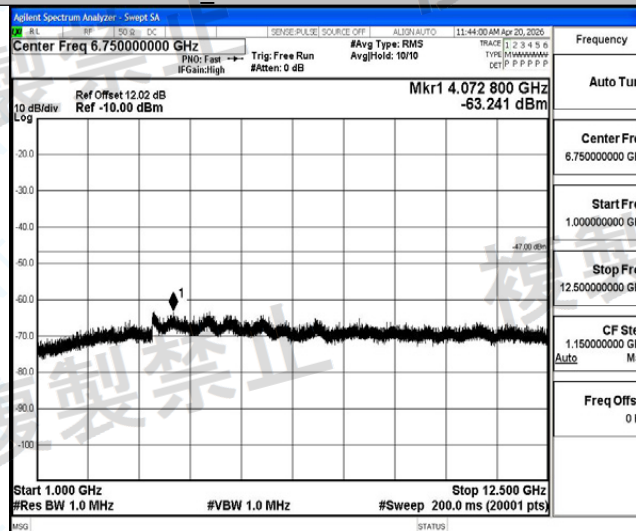




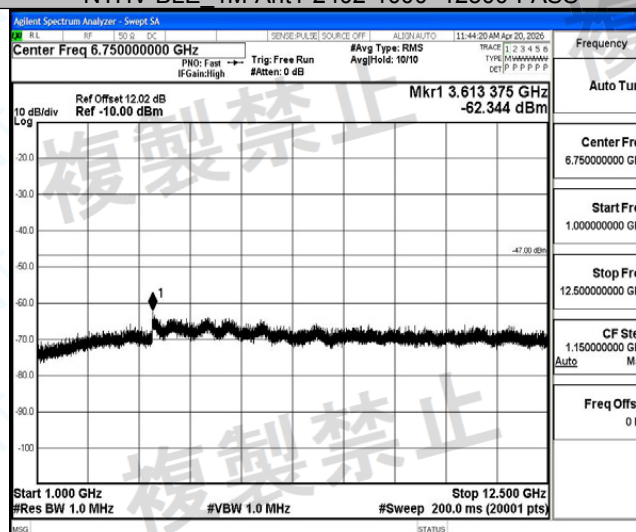
NTLV-BLE_1M-Ant1-2402-1000~12500-PASS



NTNV-BLE_1M-Ant1-2402-1000~12500-PASS

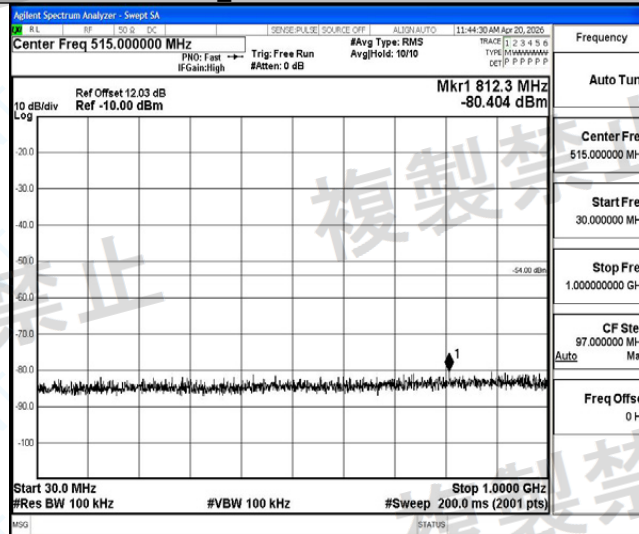


NTHV-BLE_1M-Ant1-2402-1000~12500-PASS

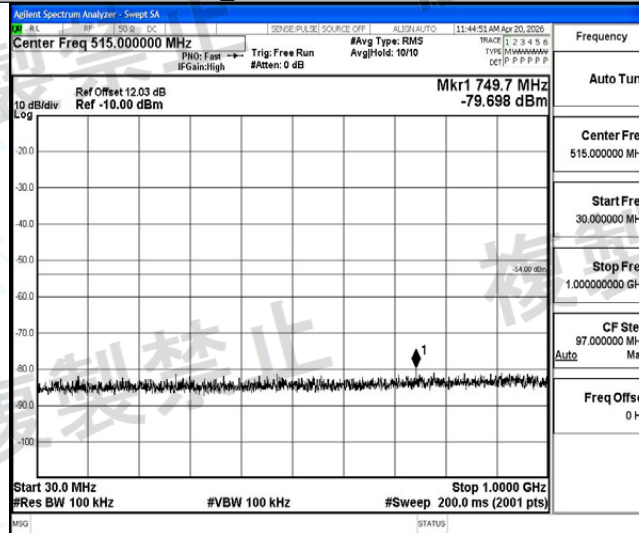




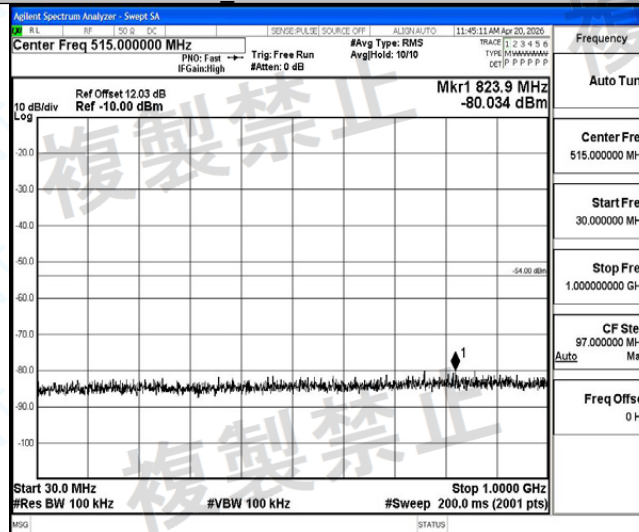
NTLV-BLE_1M-Ant1-2440-30~1000-PASS



NTNV-BLE_1M-Ant1-2440-30~1000-PASS

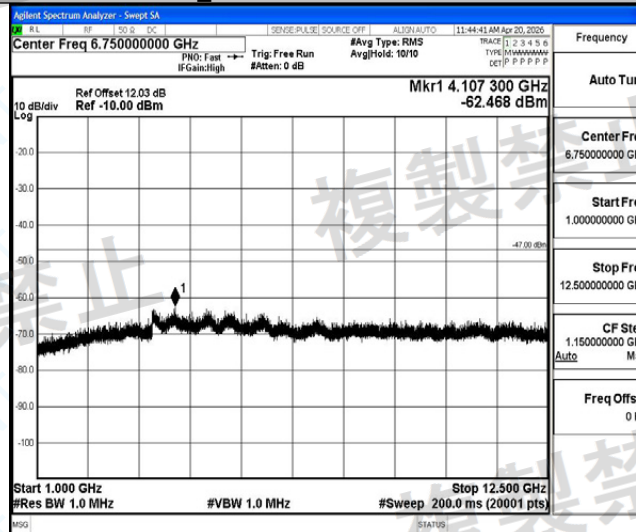


NTHV-BLE_1M-Ant1-2440-30~1000-PASS

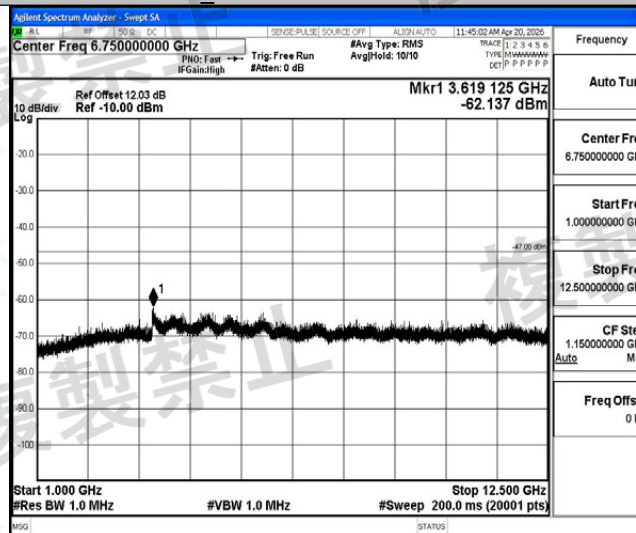




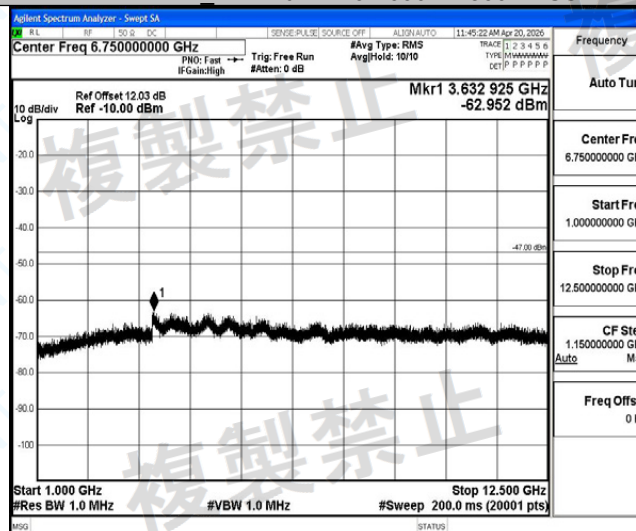
NTLV-BLE_1M-Ant1-2440-1000~12500-PASS



NTNV-BLE_1M-Ant1-2440-1000~12500-PASS

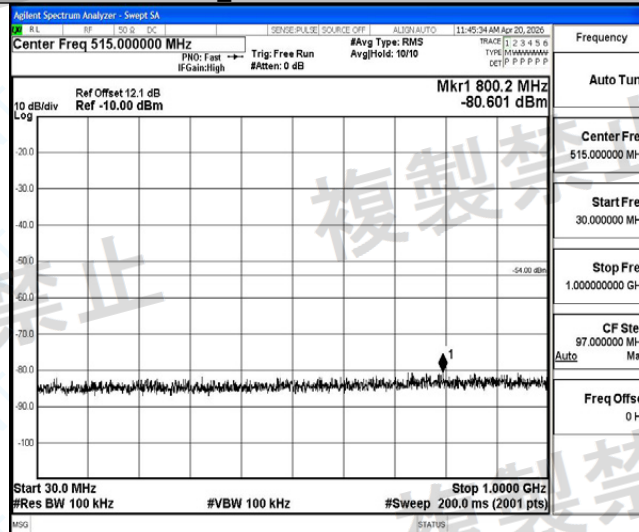


NTHV-BLE_1M-Ant1-2440-1000~12500-PASS

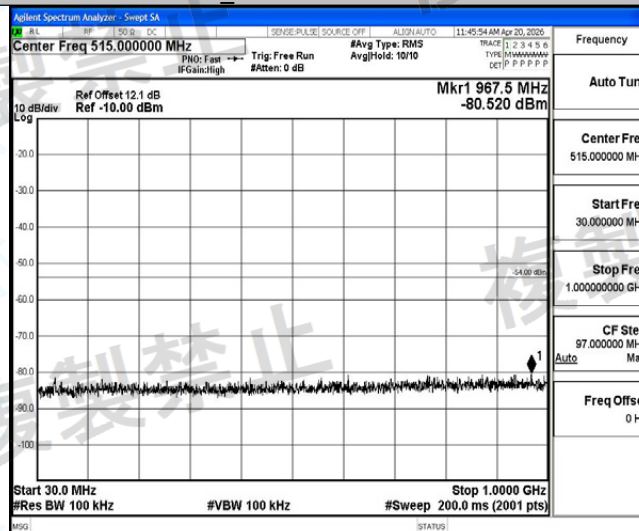




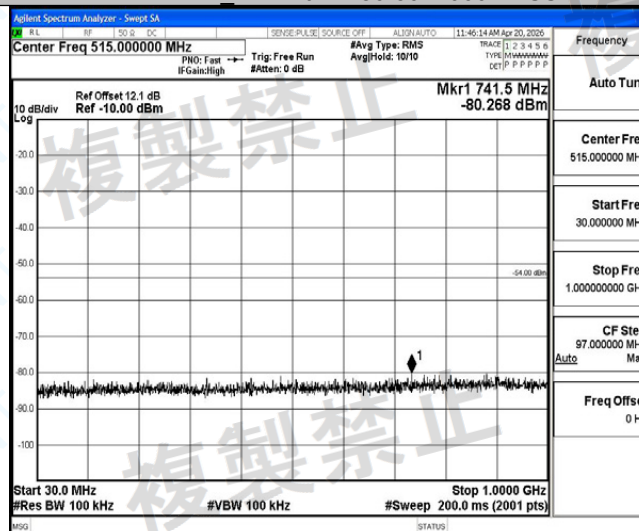
NTLV-BLE_1M-Ant1-2480-30~1000-PASS



NTNV-BLE_1M-Ant1-2480-30~1000-PASS

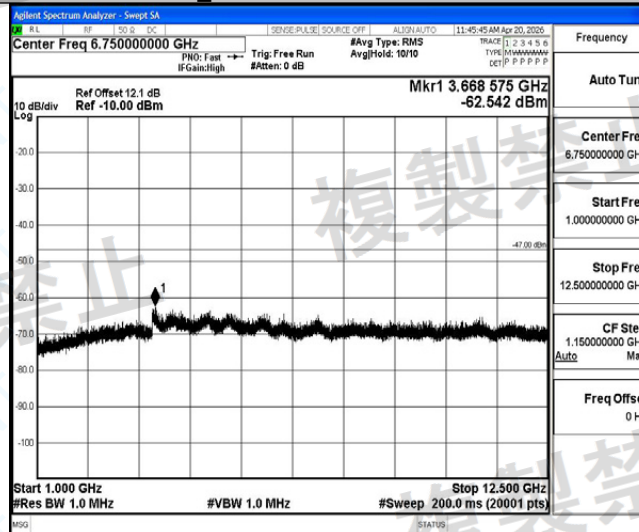


NTHV-BLE_1M-Ant1-2480-30~1000-PASS

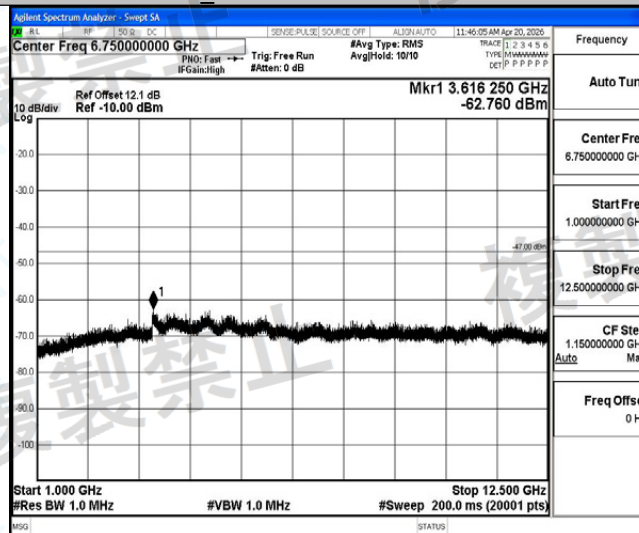




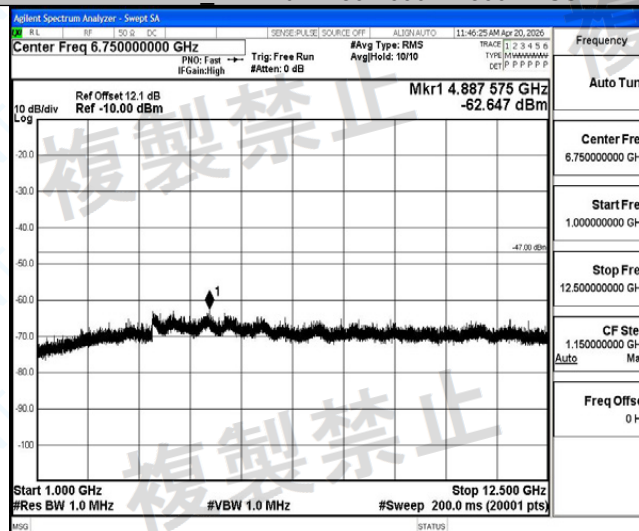
NTLV-BLE_1M-Ant1-2480-1000~12500-PASS



NTNV-BLE_1M-Ant1-2480-1000~12500-PASS

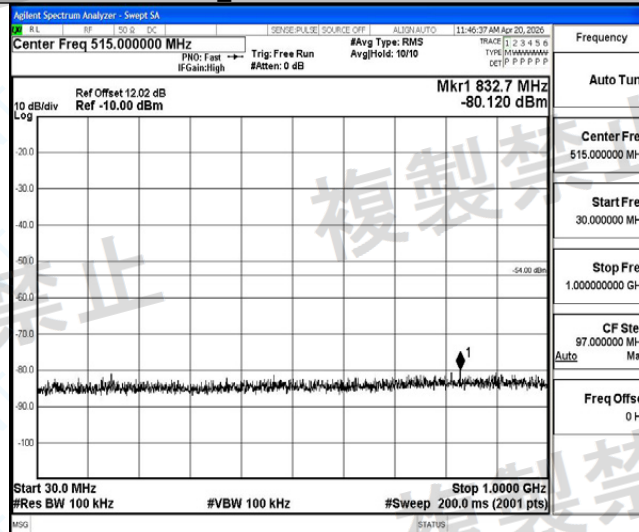


NTHV-BLE_1M-Ant1-2480-1000~12500-PASS

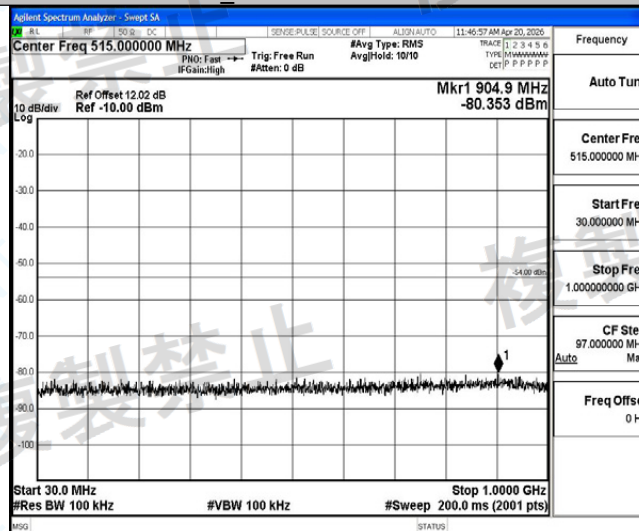




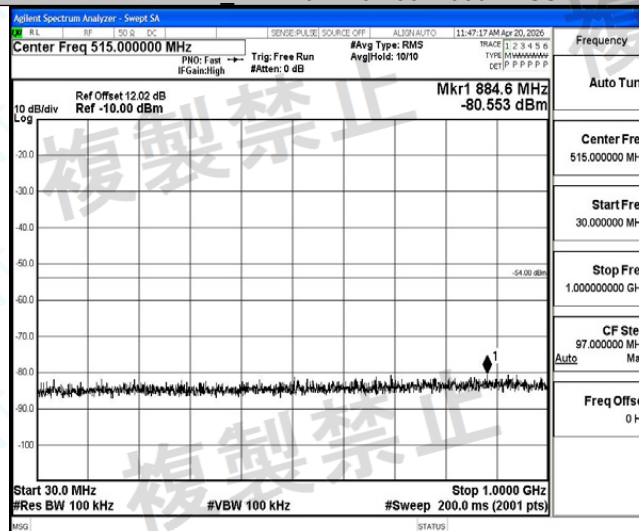
NTLV-BLE_2M-Ant1-2402-30~1000-PASS



NTNV-BLE_2M-Ant1-2402-30~1000-PASS

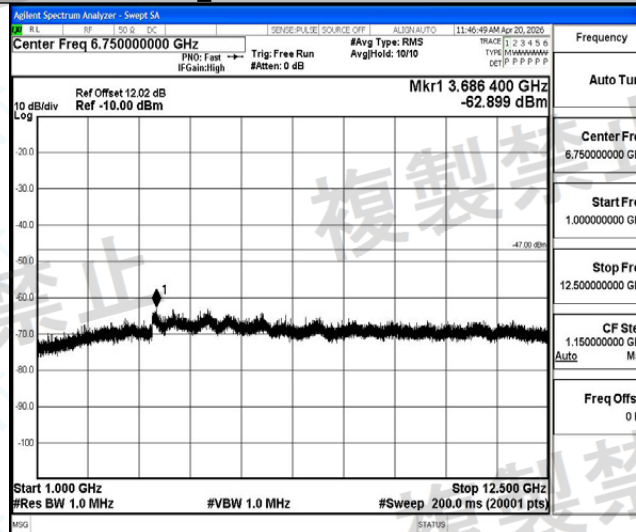


NTHV-BLE_2M-Ant1-2402-30~1000-PASS

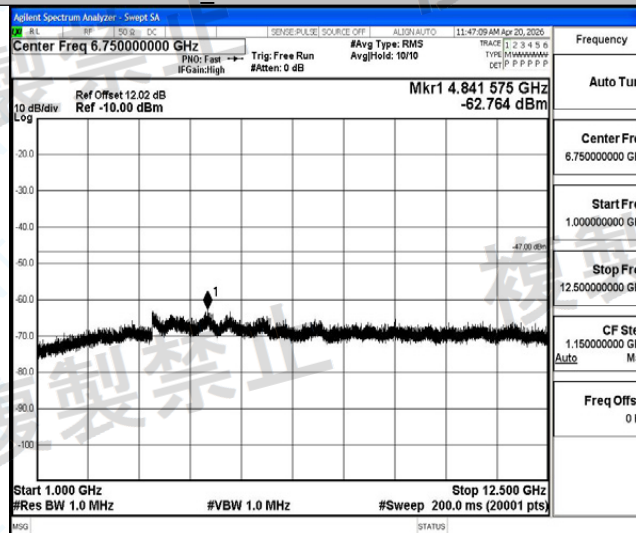




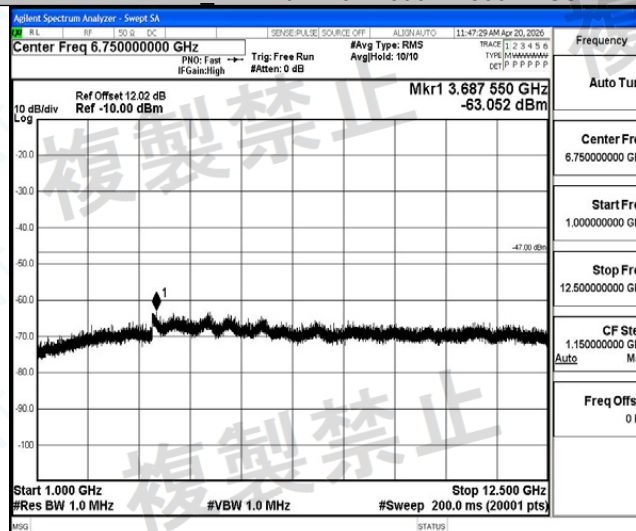
NTLV-BLE_2M-Ant1-2402-1000~12500-PASS



NTNV-BLE_2M-Ant1-2402-1000~12500-PASS

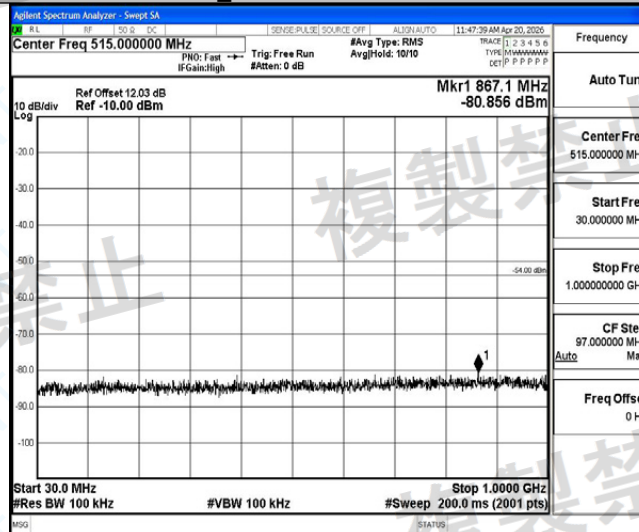


NTHV-BLE_2M-Ant1-2402-1000~12500-PASS

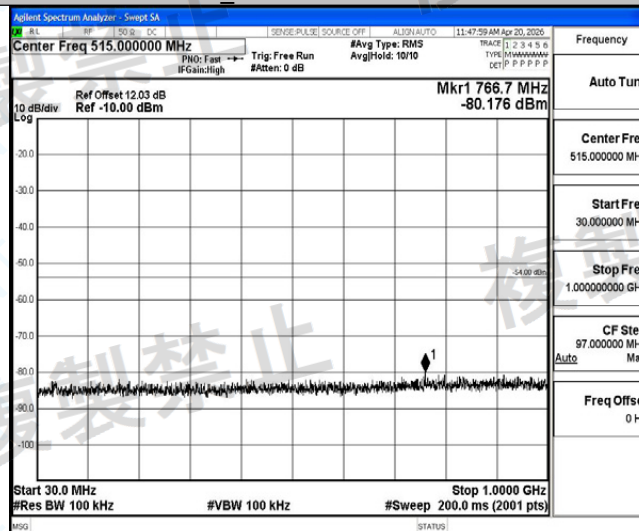




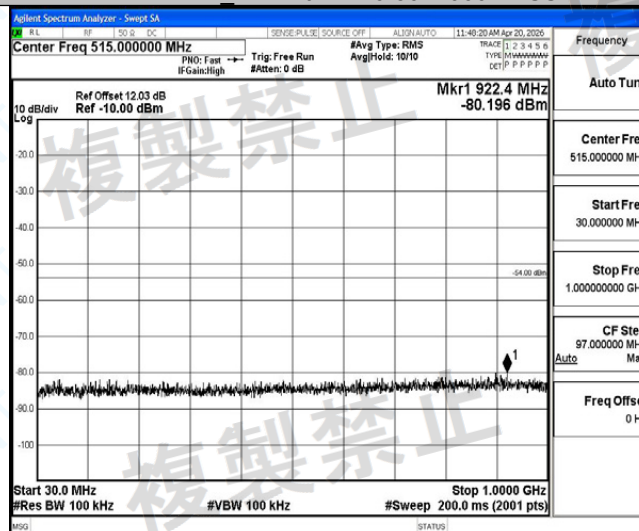
NTLV-BLE_2M-Ant1-2440-30~1000-PASS



NTNV-BLE_2M-Ant1-2440-30~1000-PASS

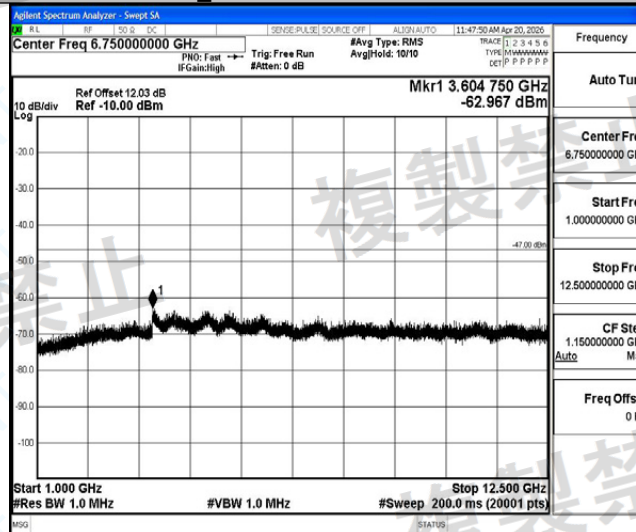


NTHV-BLE_2M-Ant1-2440-30~1000-PASS

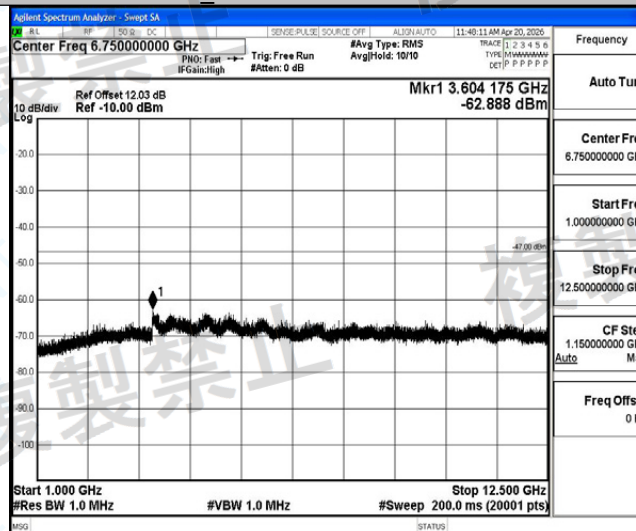




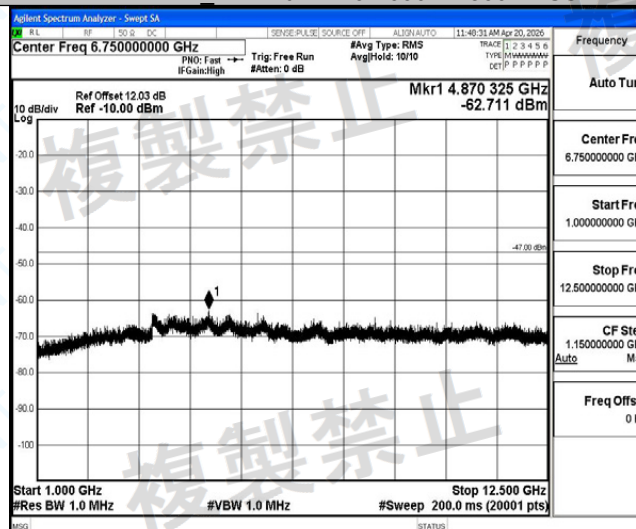
NTLV-BLE_2M-Ant1-2440-1000~12500-PASS



NTNV-BLE_2M-Ant1-2440-1000~12500-PASS

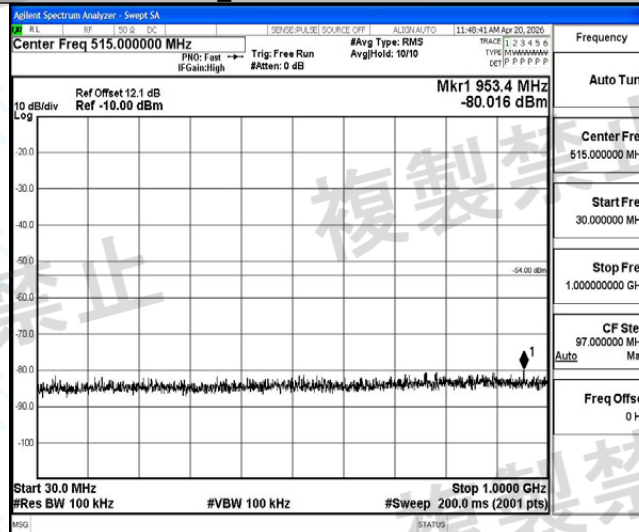


NTHV-BLE_2M-Ant1-2440-1000~12500-PASS

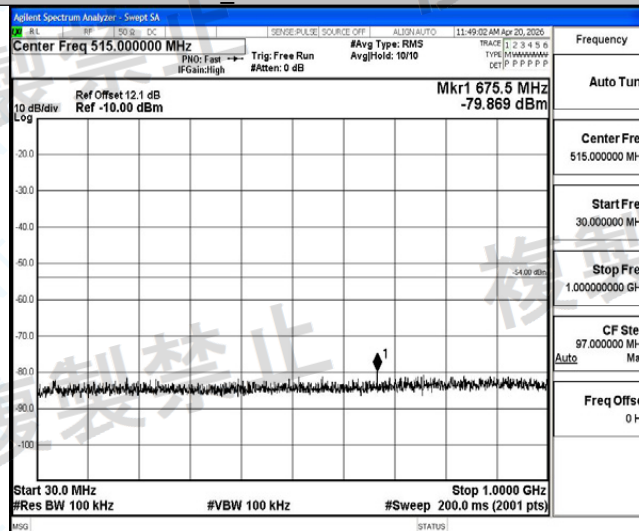




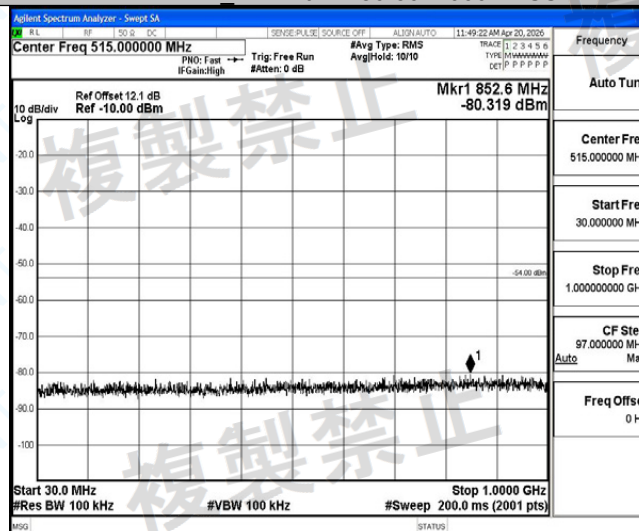
NTLV-BLE_2M-Ant1-2480-30~1000-PASS



NTNV-BLE_2M-Ant1-2480-30~1000-PASS

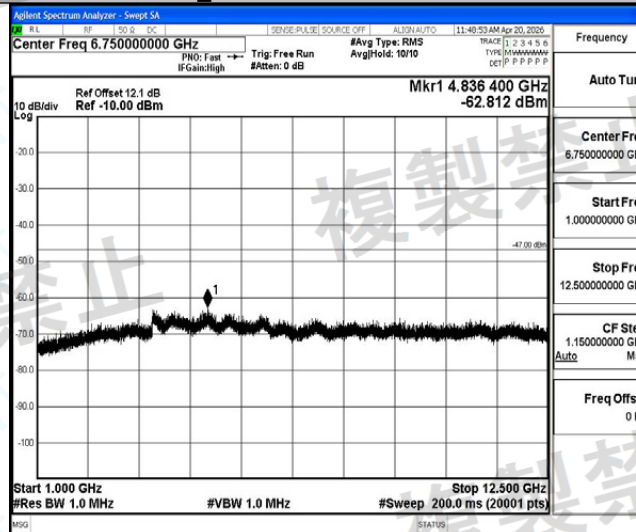


NTHV-BLE_2M-Ant1-2480-30~1000-PASS

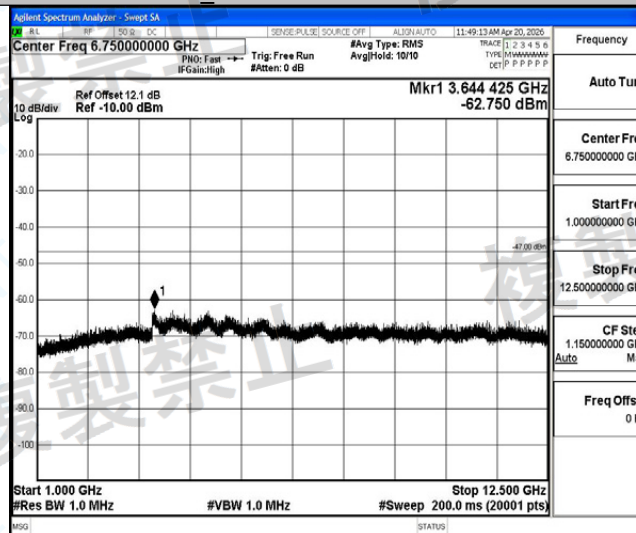




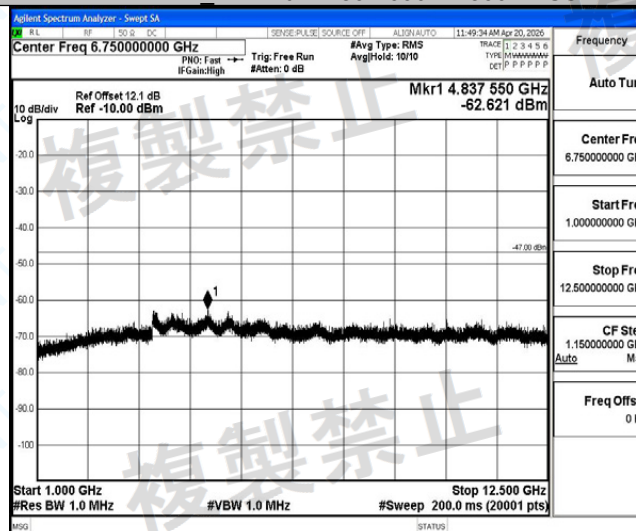
NTLV-BLE_2M-Ant1-2480-1000~12500-PASS



NTNV-BLE_2M-Ant1-2480-1000~12500-PASS



NTHV-BLE_2M-Ant1-2480-1000~12500-PASS



--- END REPORT ---