



TEST REPORT

Report No.	:	TBR-C-202512-0138-1	
Applicant	:	Shenzhen Etoe Technology Co., Ltd	
Equipment Under Test (EUT)			
EUT Name	:	Bluetooth voice remote control	
Model No.	:	B078-01-X4	
Series Model No.	:	N/A	
Brand Name	:	ETOE	
Receipt Date	:	2024-05-29	
Test Date	:	2024-05-29 to 2024-06-29	
Issue Date	:	2026-01-05	
Rule Part(s)	:	MIC Notice No.88 Annex 43	
Test Standards	:	ARIB STD-T66 Article 2 paragraph 1 item 19	
Conclusions	:	PASS	
		In the configuration tested, the EUT complied with the standards specified above.	
Tested By	:	Lily Zhang	Lily Zhang
Reviewed By	:	Henry Huang	Henry Huang
Approved By	:	Ivan Su	Ivan Su
This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.			

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Revision History

Report No.	Version	Description	Issued Date
TBR-C-202405-0109-8	Rev.01	Initial issue of report	2024-06-29
TBR-C-202512-0138-1	Rev.02	The second release has changed the name and address of the applicant manufacturer, altered the product name, model, trademark, and added series photos. This does not involve any changes to the test data.	2026-01-05



1. General Information

1.1 Description of Device (EUT)

EUT	:	Bluetooth voice remote control
Model(s) No.	:	B078-01-X4
Model Difference	:	N/A
Power supply	:	3V DC (powered by 2pcs AAA batteries)
Radio Technology	:	Bluetooth
Operation frequency	:	2402MHz -2480MHz
Modulation	:	GFSK
Data Rate	:	1Mbps
Antenna Type	:	PCB Antenna, Maximum Gain: 2.2dBi
Declared Output Power	:	Normal Operation (40 Channels): 3.0mW
Applicant	:	Shenzhen Etoe Technology Co., Ltd
Address	:	201, No.36,Hezhou Road ,Hangcheng Street ,Baoan District , Shenzhen ,Guangdong ,China
Manufacturer	:	Shenzhen Etoe Technology Co., Ltd
Address	:	201, No.36,Hezhou Road ,Hangcheng Street ,Baoan District , Shenzhen ,Guangdong ,China
Software Version	:	0.0.4
Hardware Version	:	N/A
Remark: (1)The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab. (2)The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.		



1.2 Channle List

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	14	2430	28	2458
01	2404	15	2432	29	2460
02	2406	16	2434	30	2462
03	2408	17	2436	31	2464
04	2410	18	2438	32	2466
05	2412	19	2440	33	2468
06	2414	20	2442	34	2470
07	2416	21	2444	35	2472
08	2418	22	2446	36	2474
09	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		



2. Description of Test

2.1 Summary of Test

CLAUSE (ARIB STD-T66)	TEST PARAMETER	RESULTS
Transmitter Parameters		
3.2 (2)	Antenna Power	PASS
3.2 (3)	Tolerances for Antenna Power	PASS
3.2 (4)	Frequency Tolerance	PASS
3.2 (5)	Transmission Rate	PASS
3.2 (7)	Occupied Frequency Bandwidth	PASS
3.2 (8)	Spread Bandwidth	PASS
3.2 (9)	Process Gain	PASS
3.2 (10)	Number of Carriers	N/A
3.2 (11)	Dwell Time	N/A
3.2 (6)	Spurious Emissions	PASS
/	Interference prevention function	PASS
/	Carrier Sensing function	N/A
Receiver Parameters		
3.3 (1)	Secondary Radiated Emissions	PASS
Note: N/A is an abbreviation for Not Applicable.		



2.2 Assistant Equipment Used for Test

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.

Equipment	Model No.	Serial No.	Trade Name
Notebook	161301-FC	18407/00001136	Xiaomi

2.3 Block Diagram of Test Setup



Test PC run test software provided by client to control EUT work in test mode as described in clause 2.4

2.4 Test Mode Description

The test software (**Airoha Tool .Kit**) was used to control EUT work in Continuous TX mode, and select test channel, wireless mode:

Tested Mode, Channel and Data Rate Information		
Mode	Channel	Frequency (MHz)
Tx Mode	CH00	2402
	CH19	2440
	CH39	2480
Rx Mode	CH00	2402
	CH19	2440
	CH39	2480

Test Voltage Information			
Voltage Fluctuation Test	Power supply voltage DC (Normal)	Power supply voltage DC (+10%)	Power supply voltage DC (-10%)
Input To EUT	DC 3.0V	DC 3.3V	DC 2.7V
Output To RF Module	DC 3.3V	DC 3.334V	DC 3.234V
Voltage Variation (%)	----	+1%	-2%

During the input supply voltage to the EUT from the external power source is varied by $\pm 10\%$, the fluctuation of input voltage to the circuit of RF unit of test equipment is exceed $\pm 1\%$. So, all measurement has been conducted by normal and limit voltage.



Equipment No.	Factory number	Instrument name in English	Test range	Name of manufacturer and model	uncertainty	Calibration time	next time the calibration time
TB-079	C011238	Digital Oscilloscope	100MHz, 1.25GS/s	Tektronix TDS3014B	U=0.4% (K=2) U=0.2% (K=2) U=3.7% (K=2) U=0.2S (K=2)	2023-06-21	2024-06-20
TB-079	C011238	Digital Oscilloscope	100MHz, 1.25GS/s	Tektronix TDS3014B	U=0.4% (K=2) U=0.2% (K=2) U=3.7% (K=2) U=0.2S (K=2)	2024-06-19	2025-06-18
TB-183	W21091606020P01	DC power supply	DC 0-60V, 0-20A	WTKS POWER WSD-6020	DCV:Urel=0.5% DCA:Urel=0.5%	2023-11-28	2024-11-27
Calibration agencies:				Guangzhou LiSai Metrology & Test Co., Ltd. CCIC (Shenzhen) Metrology & Testing Service Co.,Ltd			
Note: Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law.							

2.5 Test Conditions

Temperature	24.2°C
Humidity	42%
Pressure	102kPa

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

Item	MU	Remark
Bandwidth	0.2KHz	/
Antenna Power	0.33dB	/
Frequency Tolerance	2.8×10^{-4} MHz	/
Conducted spurious emission	0.13dB	/

2.7 Test Lab Information

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F.,Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.



IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.

2.8 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde&Schwarz	FSV40-N	102197	Jun. 20, 2023	Jun. 19, 2024
Spectrum Analyzer	Rohde&Schwarz	FSV40-N	102197	Jun. 17, 2024	Jun. 16, 2025
RF Control Unit	Tonsced	JS0806-2	21F8060439	Aug. 30, 2023	Aug. 29, 2024
Calibration agencies:			Guangzhou LiSai Metrology & Test Co., Ltd. CCIC (Shenzhen) Metrology & Testing Service Co.,Ltd		
Note: Calibration by the calibration agencies listed in the table correspond to paragraph 4 (ii) (c) of Article 24-2 in the Radio Law.					



3. Transmitter Test

3.1 Frequency Error

3.1.1 Test Limit

+/- 50×10^{-6} or less (50ppm)

3.1.2 Block Diagram of Test Setup



3.1.3 Test Procedure

- (1) Configure EUT and assistant system according clause 2.4 and 4.3
- (2) Set EUT work in carrier Tx mode as described in clause 2.4
- (3) Connected the EUT's antenna port to the Spectrum Analyzer by suitable

attenuator, set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the channel under test.

Resolution BW: 10 KHz.

Video BW: 10 KHz.

Span: 1MHz.

Detector: Peak.

Trace Mode: Max Hold.

- (4) When the trace is complete, find the peak value of the power envelope and record the frequency.

3.1.4 Deviation From Test Standard

No deviation

3.1.5 Test Result

Please refer to the Appendix A.

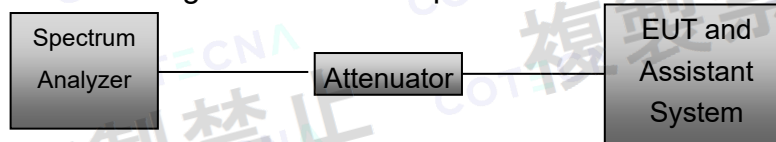


3.2 Antenna Power

3.2.1 Test Limit

Limit	10mW
Tolerance	+20%

3.2.2 Block Diagram of Test Setup



3.2.3 Test Procedure

Connect the UUT to the spectrum analyzer and use the following settings:

Centre Frequency: The centre frequency of the channel under test.

RBW: 1 MHz/VBW: 1 MHz/ Span: Wide enough to cover the complete power envelope of the signal of the EUT. / Detector: Peak. / Trace Mode: Max Hold.

3.2.4 Deviation From Test Standard

No deviation

3.2.5 Test Result

Please refer to the Appendix B.

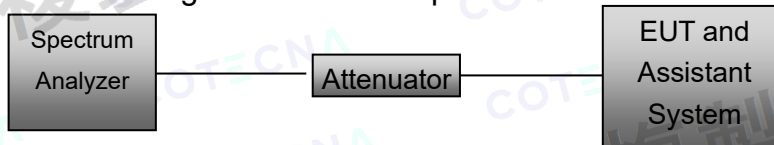


3.3 Occupied Bandwidth

3.3.1 Test Limit

Permissible value for occupied bandwidth using the FH system, a hybrid system combining DS and FH systems, or a hybrid system combining FH and OFDM systems shall be 83.5 MHz or less, while necessary bandwidth (minimum occupied bandwidth sufficient to ensure information transmission of required quality at a required transmission rate for the system used under specified conditions for a given emission type) using a system other than any of the above shall be 26 MHz or less.

3.3.2 Block Diagram of Test Setup



3.3.3 Test Procedure

Setting of SA is following as: RBW:300 kHz / VBW: 300 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold

EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode (For FHSS Device). SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26 MHz (For DSSS or OFDM Device) or 83.5 MHz (For FHSS Device).

3.3.4 Deviation From Test Standard

No deviation

3.3.5 Test Result

Please refer to the Appendix C.

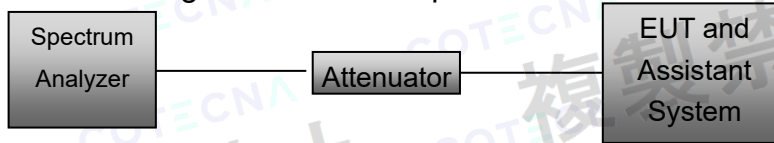


3.4 Spread Bandwidth

3.4.1 Test Limit

≥ 500 kHz

3.4.2 Block Diagram of Test Setup



3.4.3 Test Procedure

Setting of SA is following as: RBW:300 kHz / VBW: 300 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold

EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode (For FHSS Device). SA set to 90% of occupied bandwidth to measure Spread Spectrum Bandwidth and must greater than 500 kHz.

3.4.4 Deviation From Test Standard

No deviation

3.4.5 Test Result

Please refer to the Appendix D.



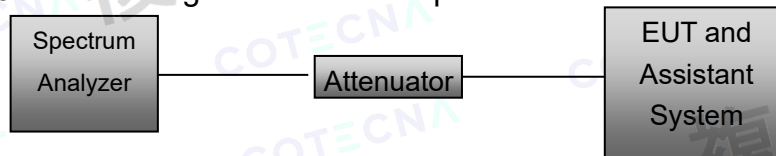
3.5 Spurious Emission of TX

3.5.1 Test Limit

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

FREQUENCIES (MHz)	LIMIT
30.0MHz to 1000MHz	$\leq 2.5\mu\text{W}/\text{MHz}$
1000MHz to 2387MHz	$\leq 2.5\mu\text{W}/\text{MHz}$
2387.0MHz to 2400.0MHz	$\leq 25\mu\text{W}/\text{MHz}$
2483.5MHz to 2496.5MHz	$\leq 25\mu\text{W}/\text{MHz}$
2496.5MHz to 13000.0MHz	$\leq 2.5\mu\text{W}/\text{MHz}$

3.5.2 Block Diagram of Test Setup



3.5.3 Test Procedure

- (1) Configure EUT and assistant system according clause 2.4 and 8.3
- (2) Set EUT work in test mode as described in clause 2.4
- (3) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:
 Below 1G: BW: 100kHz. Video BW: 100kHz.
 Above 1G: BW: 1MHz. Video BW: 1MHz.
 Detector: Peak. Trace Mode: Max Hold.
- (4) All the emissions from 30MHz to 13.0GHz were measured and record.

3.5.4 Deviation From Test Standard

No deviation

3.5.5 Test Result

Please refer to the Appendix E.



3.6 Interference Prevention Function

3.6.1 Test Limit

Item	Limits
Identification	≥48 bits
MAC IP List	MAC Scan

3.6.2 Block Diagram of Test Setup



3.6.3 Test Procedure

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

3.6.4 Deviation From Test Standard

No deviation

3.6.5 Test Result

Temperature:	24.2℃	Humidity:	42%RH
Mac:	70:f7:54:c3:84:d0		
Test result:	CONFORM		
Tested by:	Mike Yan		



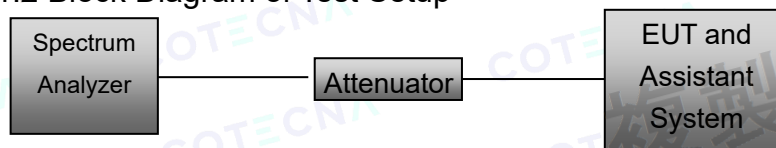
4. Receiver Test

4.1 Secondary Radiated Emissions

4.1.1 Test Limit

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

4.1.2 Block Diagram of Test Setup



4.1.3 Test Procedure

- (1) Configure EUT and assistant system according clause 2.4 and 8.3
- (2) Set EUT work in test mode as described in clause 2.4
- (3) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, set the Spectrum Analyzer as below:

Below 1G: BW: 100kHz. Video BW: 100kHz.

Above 1G: BW: 1MHz. Video BW: 1MHz.

Detector: Peak. Trace Mode: Max Hold.

- (4) All the emissions from 30MHz to 13.0GHz were measured and record.

4.1.4 Deviation From Test Standard

No deviation

4.1.5 Test Result

Please refer to the Appendix F.



5. Test Setup Photos



6. EUT Photos

Photo 1 Appearance of EUT

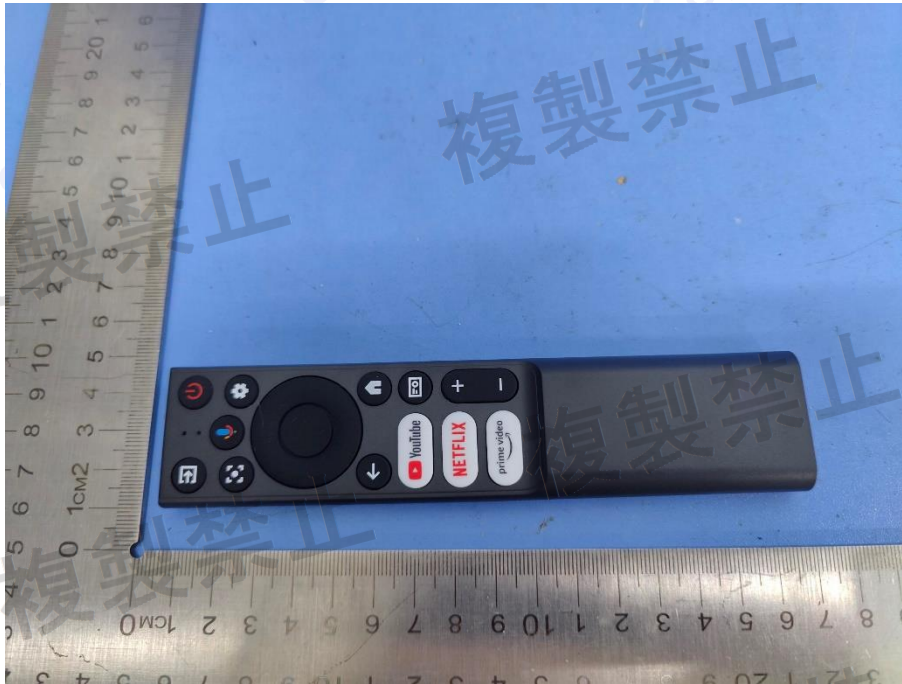


Photo 2 Appearance of EUT



Photo 3 Appearance of EUT

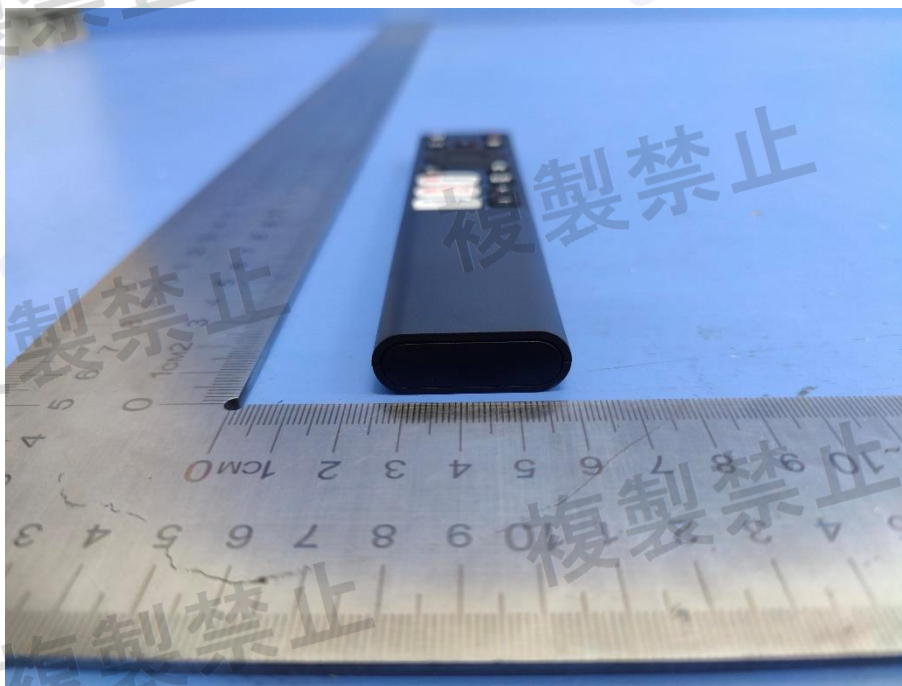


Photo 4 Appearance of EUT



Photo 5 Appearance of EUT



Photo 6 Appearance of EUT

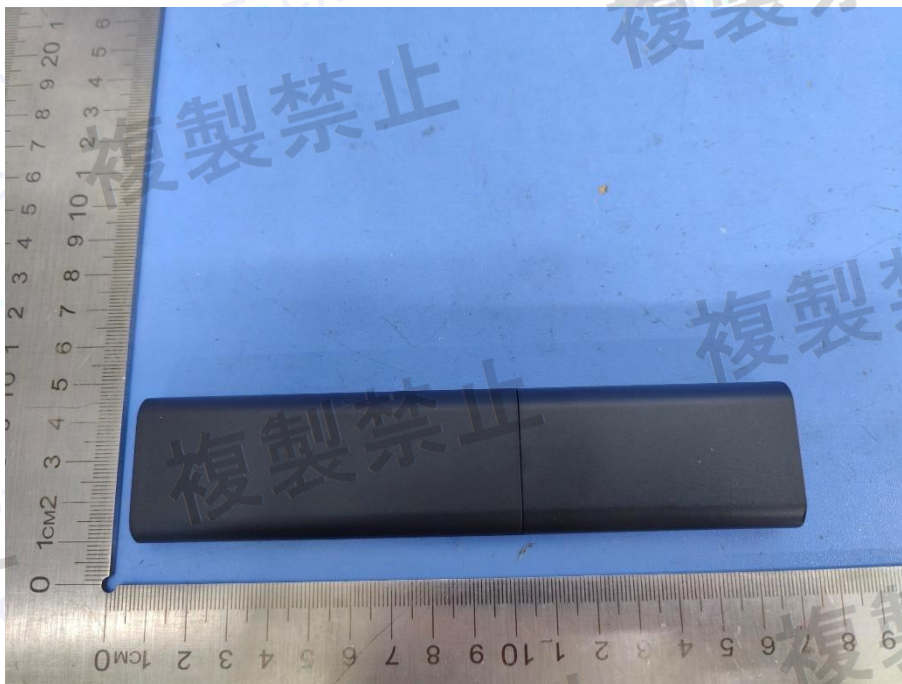


Photo 7 Appearance of EUT



Photo 8 Internal of EUT



Photo 9 Appearance of PCB

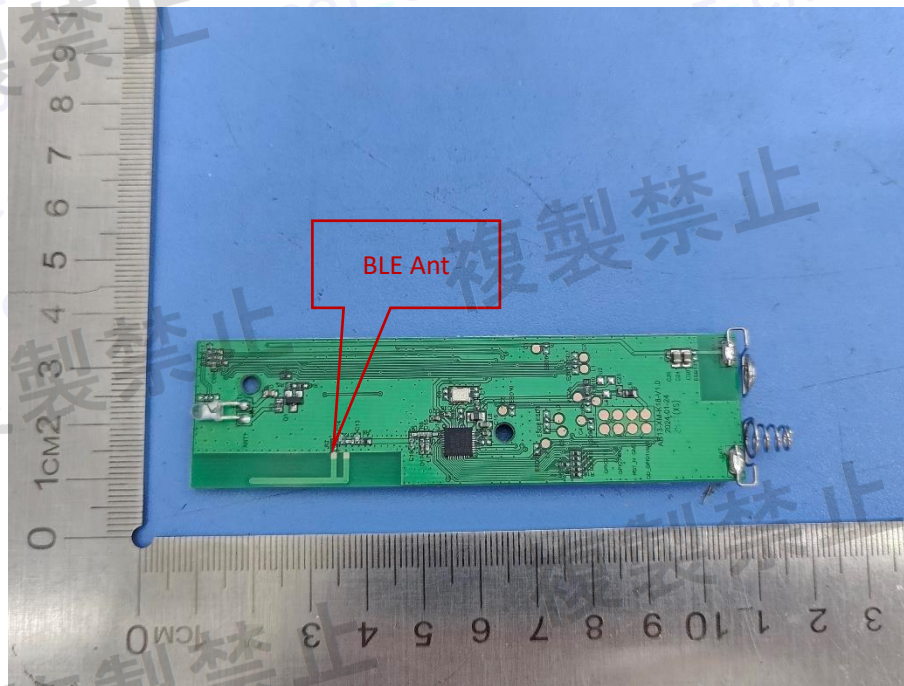
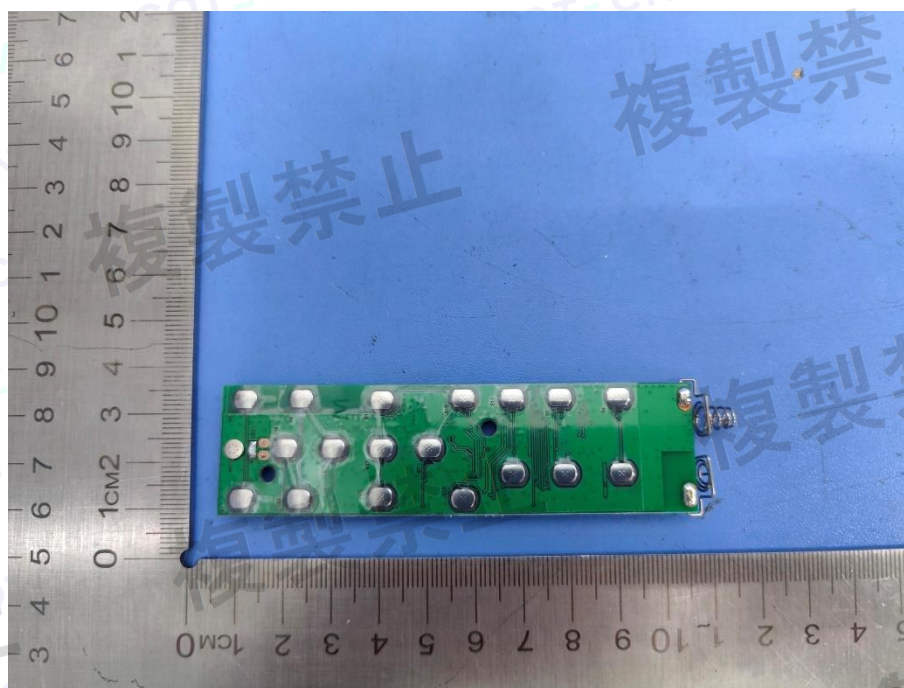


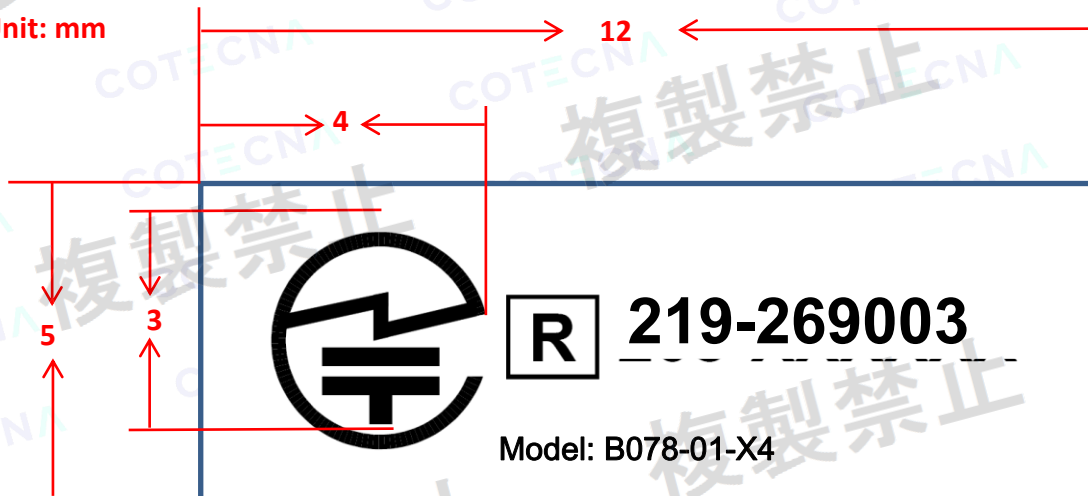
Photo 10 Appearance of PCB



7. Label Information

Label

Unit: mm



Label Location



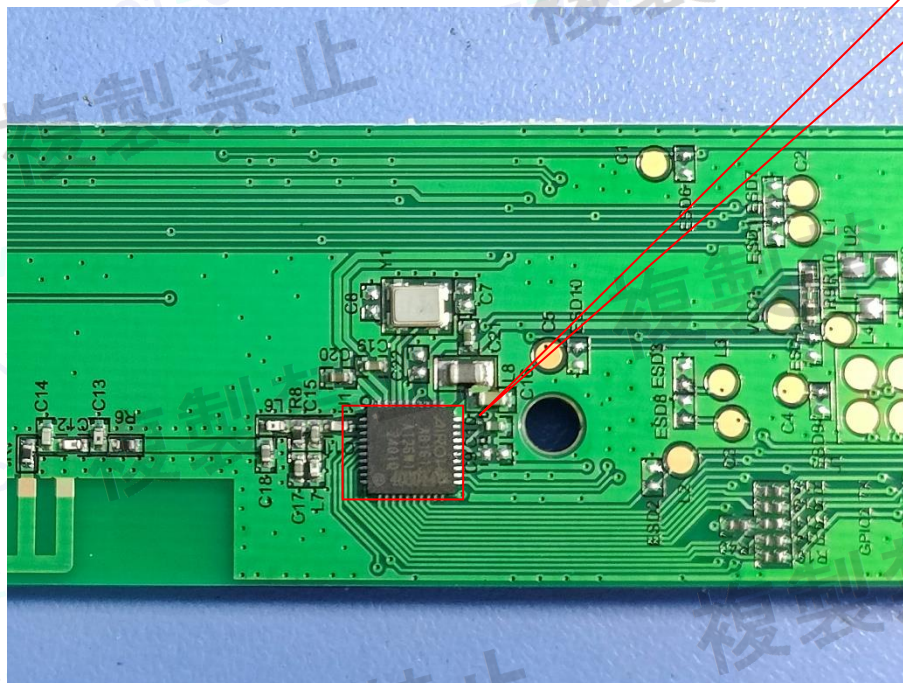
8. Construction Protection Confirmation Method

8.1 Requirement

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

8.2 Confirmation Method

RF module is welded directly to PCB board. So the end user can not to modify or change the RF Parts easily.



RF MODULE



Appendix A: Frequency Error

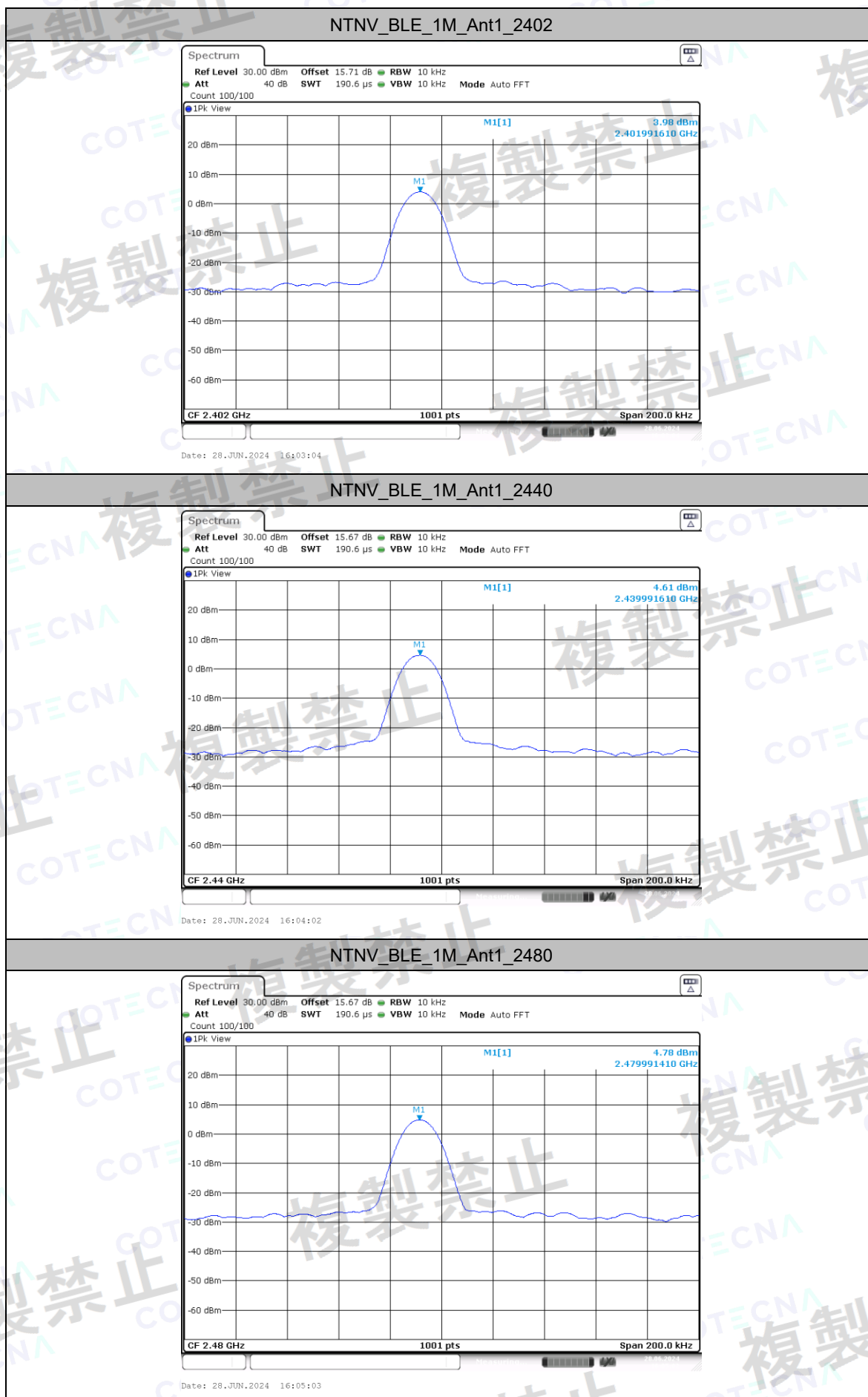
Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	Carrier mode	Ant1	2402	-3.49292	±50	PASS
			2440	-3.43853	±50	PASS
			2480	-3.46371	±50	PASS
NTLV	Carrier mode	Ant1	2402	-3.49292	±50	PASS
			2440	-3.43853	±50	PASS
			2480	-3.46371	±50	PASS
NTHV	Carrier mode	Ant1	2402	-3.40966	±50	PASS
			2440	-3.52049	±50	PASS
			2480	-3.46371	±50	PASS

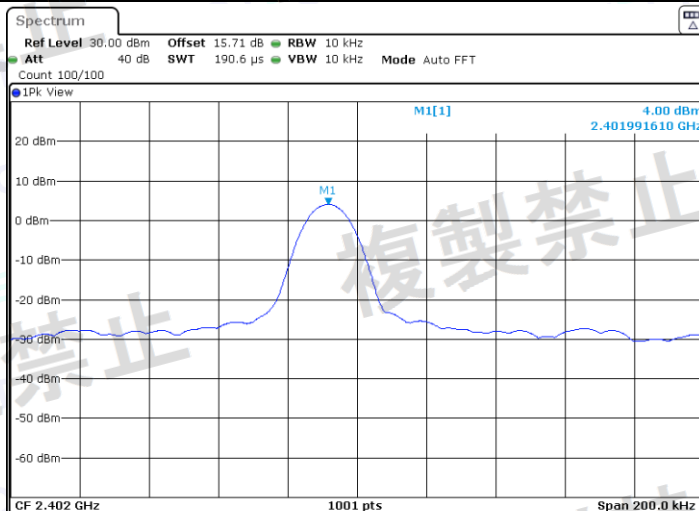
Remark: Only show the test data of worst condition.



Test Graphs

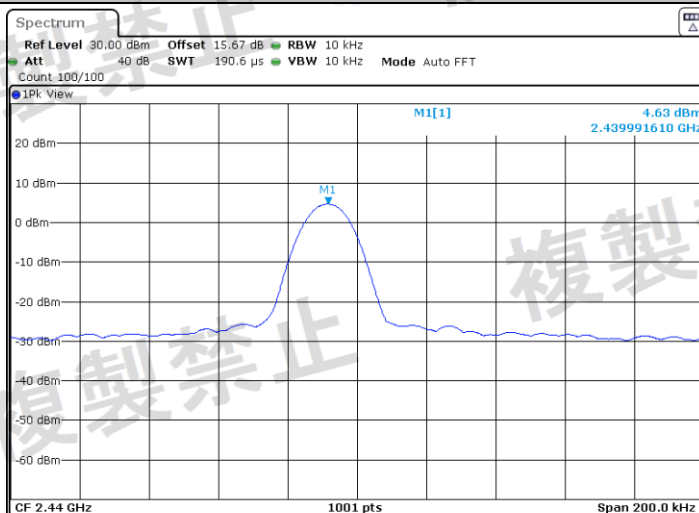


NTLV_BLE_1M_Ant1_2402



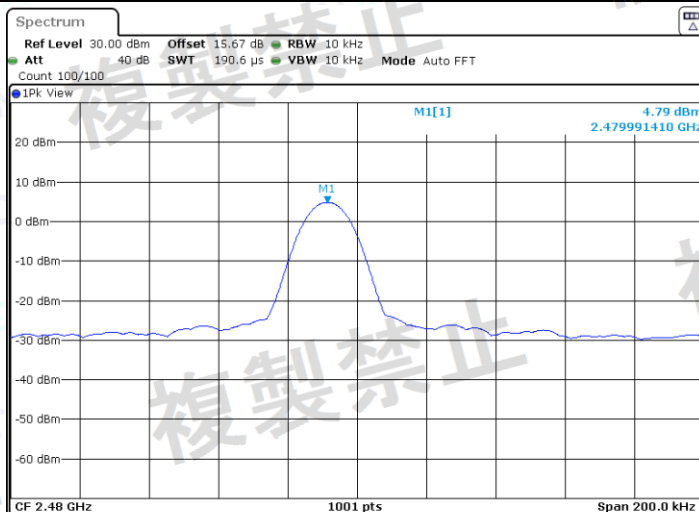
Date: 28 JUN 2024 16:02:55

NTLV_BLE_1M_Ant1_2440



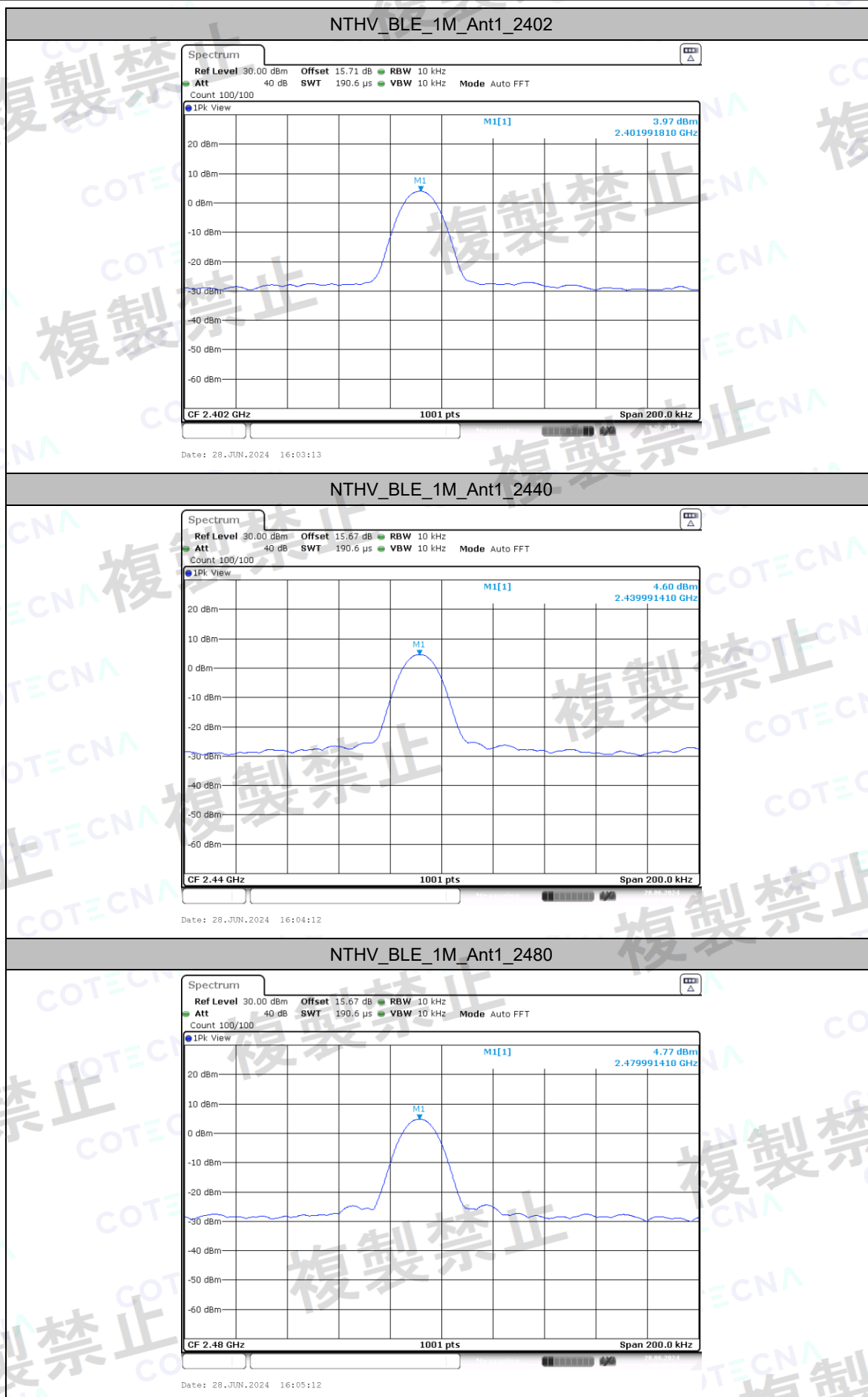
Date: 28 JUN 2024 16:03:53

NTLV_BLE_1M_Ant1_2480



Date: 28 JUN 2024 16:04:53





Appendix B: Antenna Power

Test Result

Remark: Only show the test data of worst condition.

Antenna Power						
Test Condition	TestMode	Antenna	Channel	Result(mW)	Limit(mW)	Verdict
NTNV	BLE_1M	Ant1	2402	1.5031	≤10	PASS
			2440	2.1528	≤10	PASS
			2480	2.2387	≤10	PASS
NTLV	BLE_1M	Ant1	2402	1.8621	≤10	PASS
			2440	2.0989	≤10	PASS
			2480	2.2387	≤10	PASS
NTHV	BLE_1M	Ant1	2402	1.8793	≤10	PASS
			2440	2.1330	≤10	PASS
			2480	2.2439	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Channel	Power (mW)	RatedPower (mW)	Result (%)	Limit (%)	Verdict
NTNV	BLE_1M	Ant1	2402	1.5031	3	-49.90	+20	PASS
			2440	2.1528	3	-28.24	+20	PASS
			2480	2.2387	3	-25.38	+20	PASS
NTLV	BLE_1M	Ant1	2402	1.8621	3	-37.93	+20	PASS
			2440	2.0989	3	-30.04	+20	PASS
			2480	2.2387	3	-25.38	+20	PASS
NTHV	BLE_1M	Ant1	2402	1.8793	3	-37.36	+20	PASS
			2440	2.1330	3	-28.90	+20	PASS
			2480	2.2439	3	-25.20	+20	PASS



EIRP									
TestCondition	TestMode	Antenna	Channel	Result (mW)	Result (dBm)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Verdict
NTNV	BLE_1M	Ant1	2402	1.5031	1.77	2.2	3.97	≤12.14	PASS
			2440	2.1528	3.33	2.2	5.53	≤12.14	PASS
			2480	2.2387	3.50	2.2	5.70	≤12.14	PASS
NTLV	BLE_1M	Ant1	2402	1.8621	2.70	2.2	4.90	≤12.14	PASS
			2440	2.0989	3.22	2.2	5.42	≤12.14	PASS
			2480	2.2387	3.50	2.2	5.70	≤12.14	PASS
NTHV	BLE_1M	Ant1	2402	1.8793	2.74	2.2	4.94	≤12.14	PASS
			2440	2.1330	3.29	2.2	5.49	≤12.14	PASS
			2480	2.2439	3.51	2.2	5.71	≤12.14	PASS



Appendix C: Occupied Bandwidth

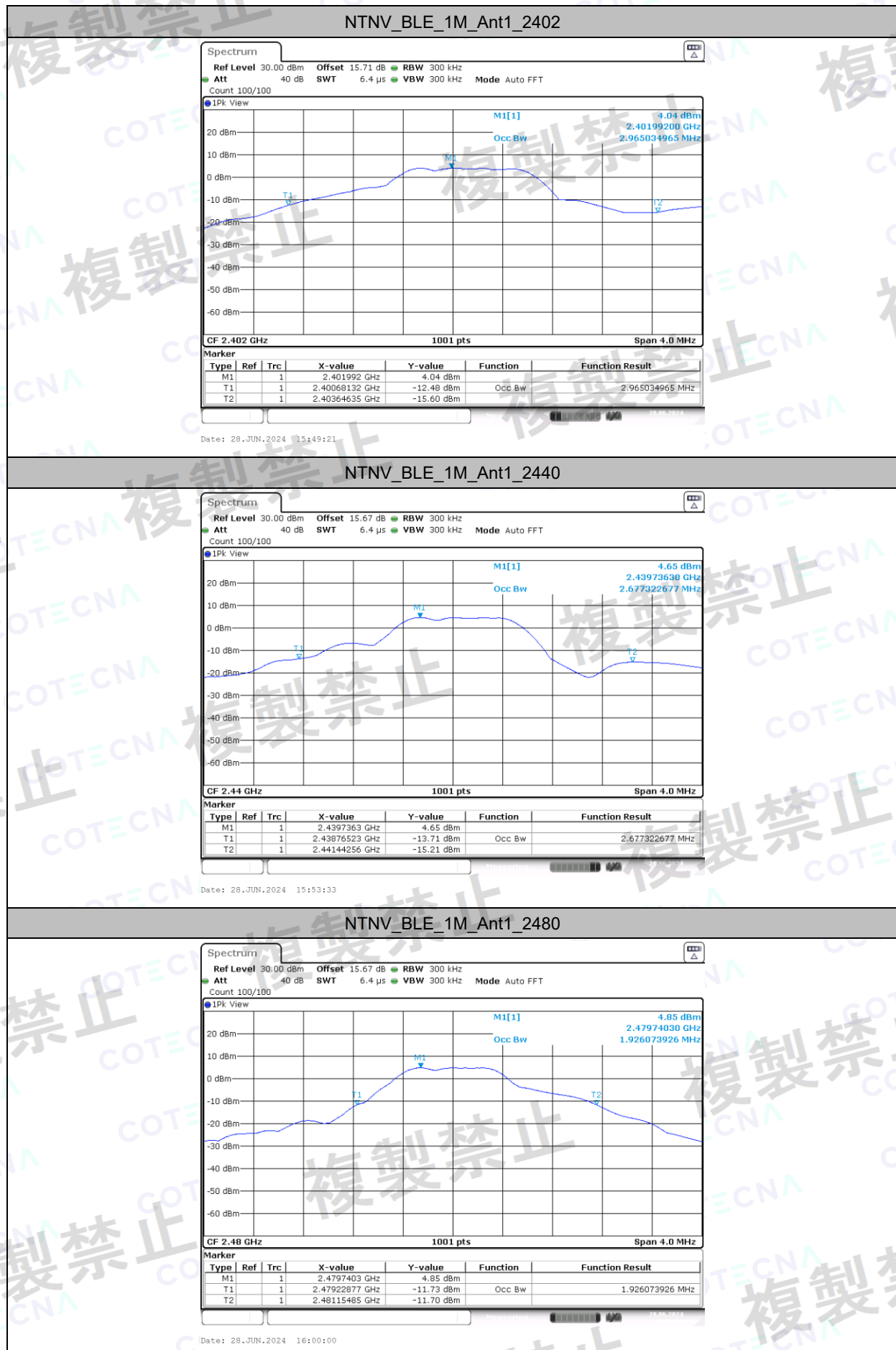
Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	2.965	≤26	PASS
			2440	2.677	≤26	PASS
			2480	1.926	≤26	PASS
NTLV	BLE_1M	Ant1	2402	2.897	≤26	PASS
			2440	3.065	≤26	PASS
			2480	2.150	≤26	PASS
NTHV	BLE_1M	Ant1	2402	2.182	≤26	PASS
			2440	2.521	≤26	PASS
			2480	2.122	≤26	PASS

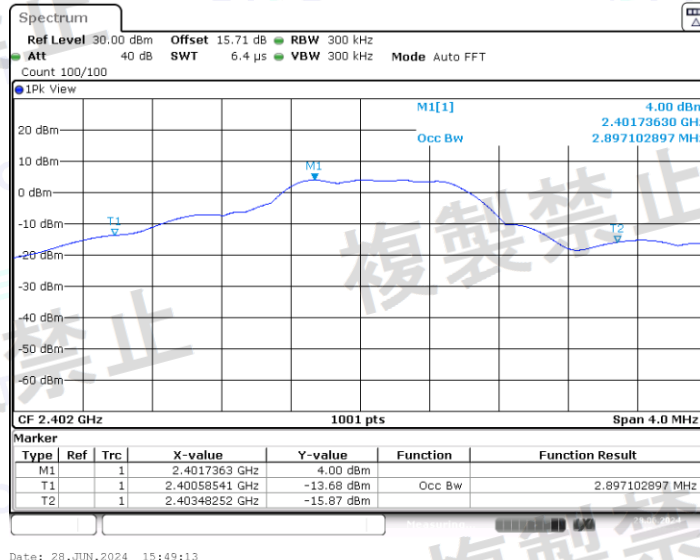
Remark: Only show the test data of worst condition.



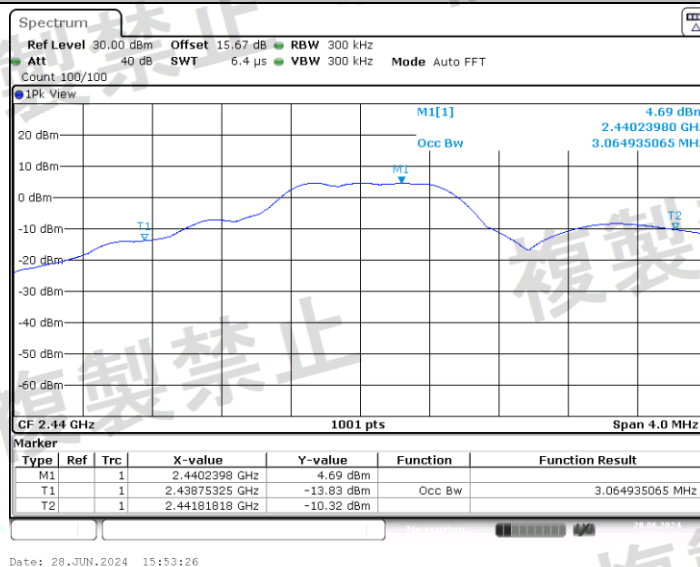
Test Graphs



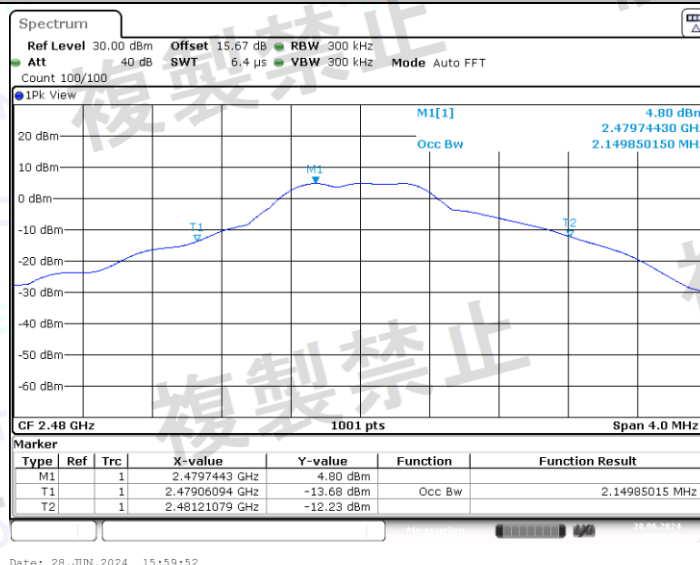
NTLV_BLE_1M_Ant1_2402



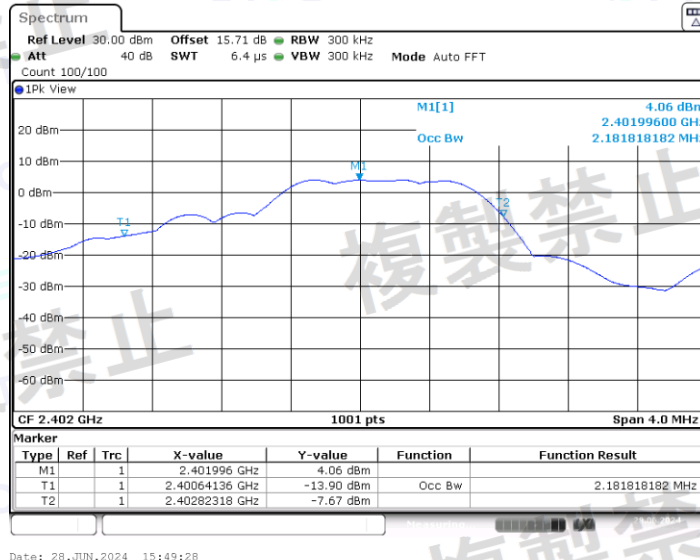
NTLV_BLE_1M_Ant1_2440



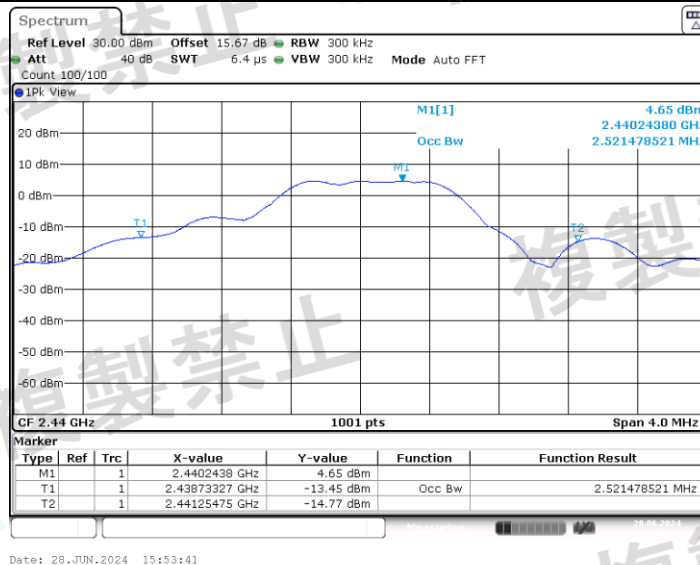
NTLV_BLE_1M_Ant1_2480



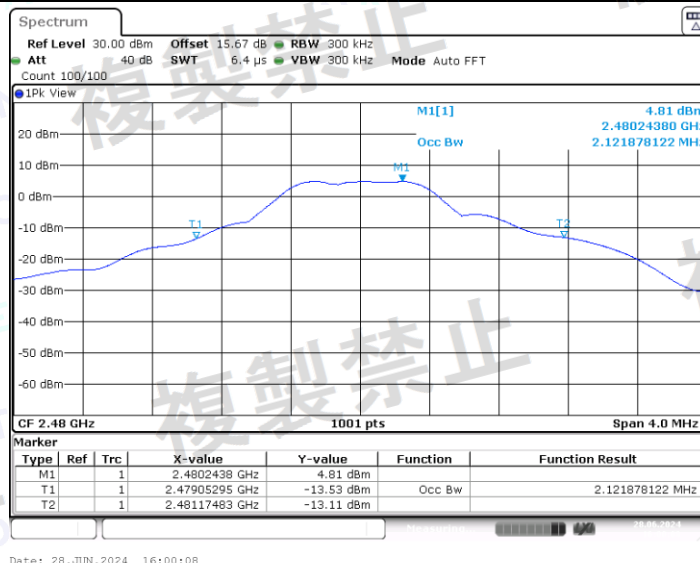
NTHV_BLE_1M_Ant1_2402



NTHV_BLE_1M_Ant1_2440



NTHV_BLE_1M_Ant1_2480



Appendix D: Spread Bandwidth

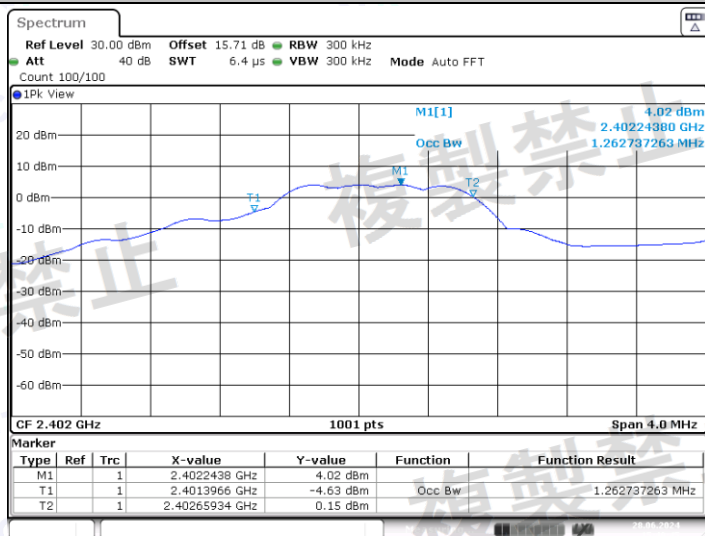
Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.263	≥0.5	PASS
			2440	1.135	≥0.5	PASS
			2480	0.931	≥0.5	PASS
NTLV	BLE_1M	Ant1	2402	1.251	≥0.5	PASS
			2440	1.091	≥0.5	PASS
			2480	1.043	≥0.5	PASS
NTHV	BLE_1M	Ant1	2402	1.291	≥0.5	PASS
			2440	1.023	≥0.5	PASS
			2480	1.035	≥0.5	PASS



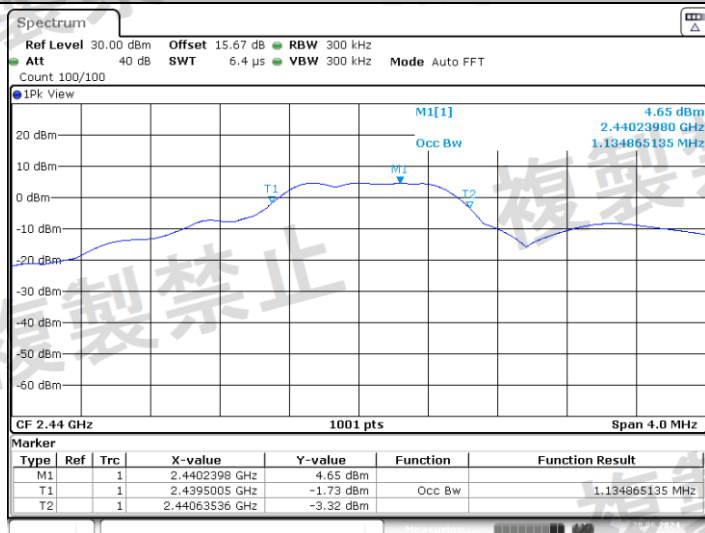
Test Graphs

NTNV_BLE_1M_Ant1_2402



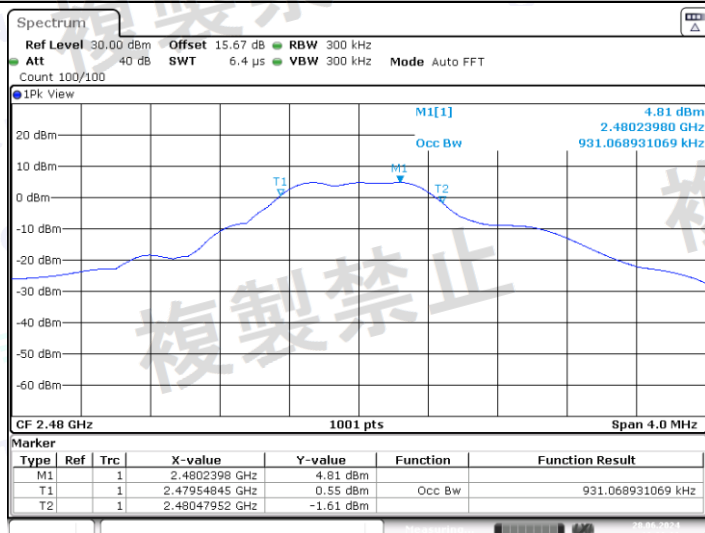
Date: 28.JUN.2024 15:49:46

NTNV_BLE_1M_Ant1_2440



Date: 28.JUN.2024 15:53:59

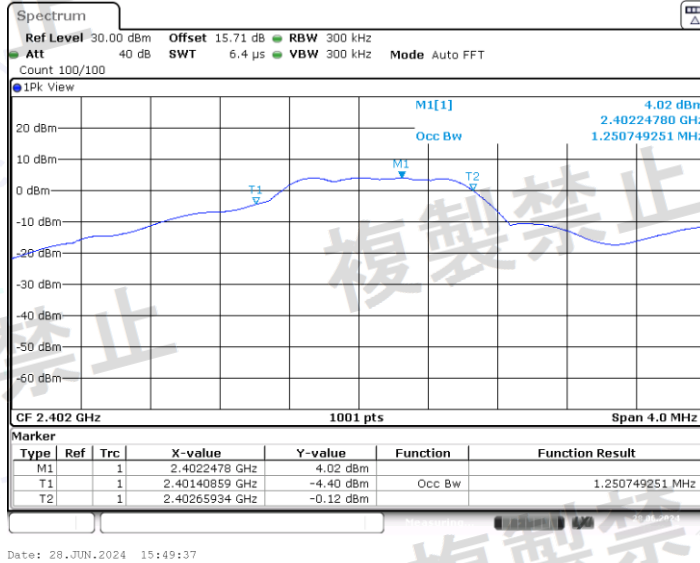
NTNV_BLE_1M_Ant1_2480



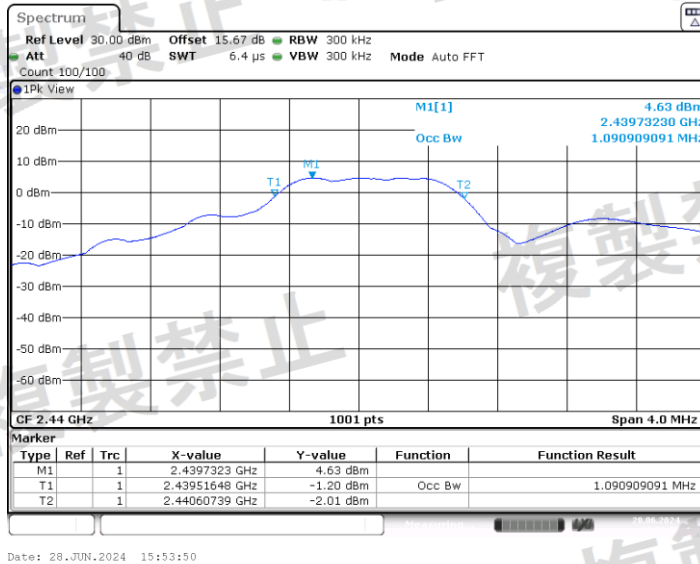
Date: 28.JUN.2024 16:00:25



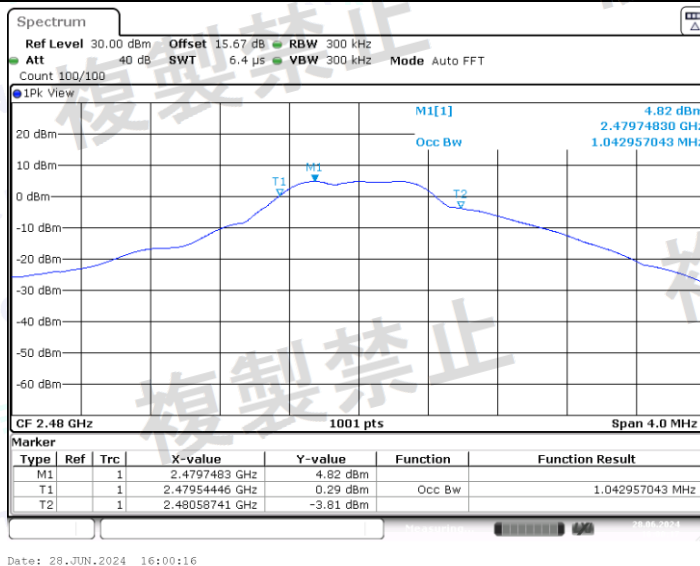
NTLV_BLE_1M_Ant1_2402



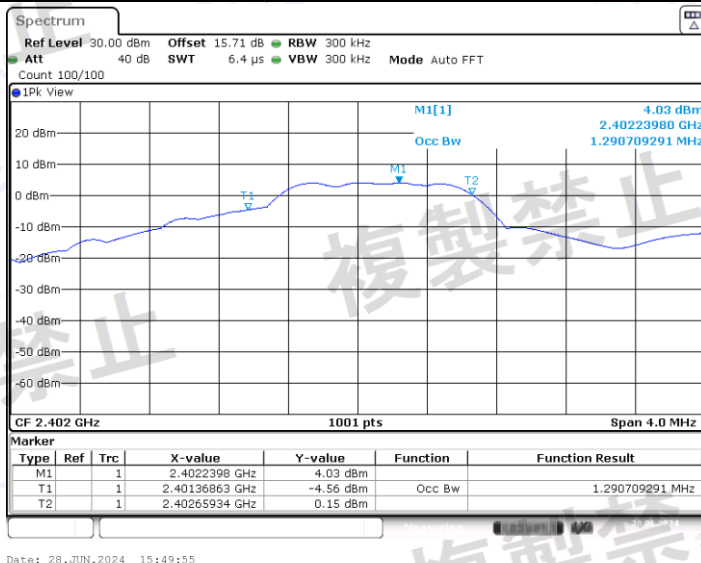
NTLV_BLE_1M_Ant1_2440



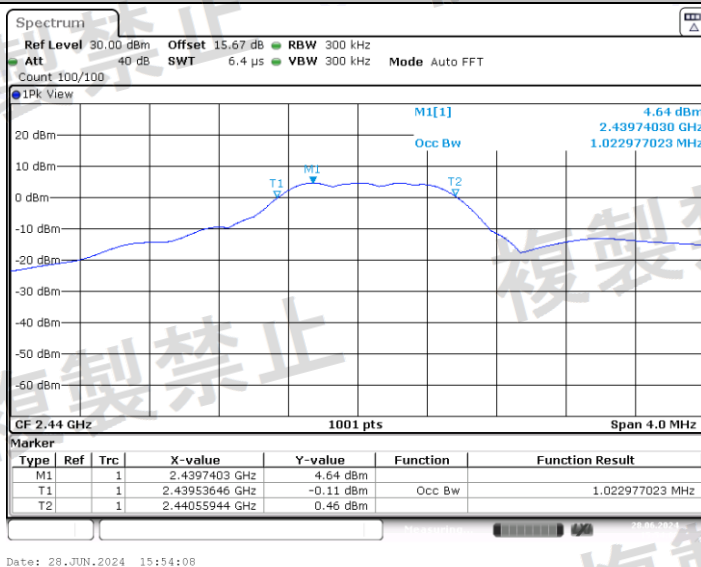
NTLV_BLE_1M_Ant1_2480



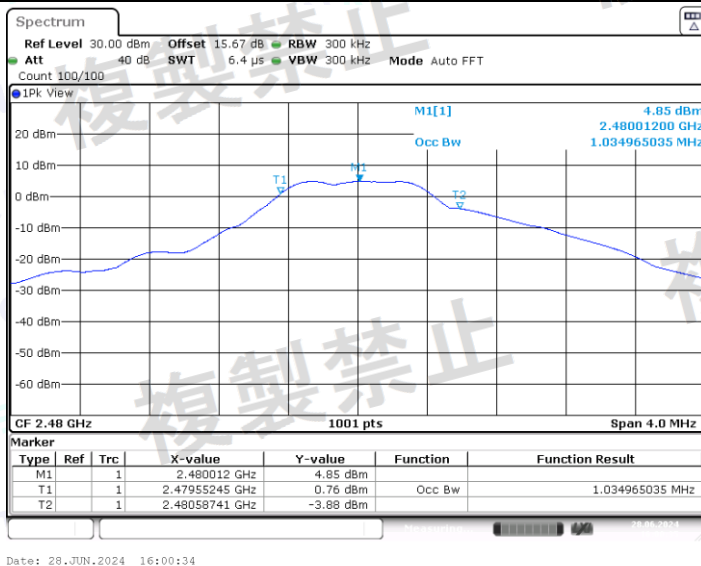
NTHV_BLE_1M_Ant1_2402



NTHV_BLE_1M_Ant1_2440



NTHV_BLE_1M_Ant1_2480



Appendix E: Spurious Emission of TX

Test Result

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	-46.94	≤-26	0.02023	≤2.5	PASS
				1000~2387	-50.14	≤-26	0.00968	≤2.5	PASS
				2387~2400	-24.45	≤-16	3.58922	≤25	PASS
				2483.5~2496.5	-42.43	≤-16	0.05715	≤25	PASS
				2496.5~13000	-30.07	≤-26	0.98401	≤2.5	PASS
			2440	30~1000	-46.32	≤-26	0.02333	≤2.5	PASS
				1000~2387	-51.83	≤-26	0.00656	≤2.5	PASS
				2387~2400	-42.68	≤-16	0.05395	≤25	PASS
				2483.5~2496.5	-42.37	≤-16	0.05794	≤25	PASS
				2496.5~13000	-31.12	≤-26	0.77268	≤2.5	PASS
			2480	30~1000	-47.03	≤-26	0.01982	≤2.5	PASS
				1000~2387	-50.97	≤-26	0.00800	≤2.5	PASS
				2387~2400	-42.57	≤-16	0.05534	≤25	PASS
				2483.5~2496.5	-41.49	≤-16	0.07096	≤25	PASS
				2496.5~13000	-31.02	≤-26	0.79068	≤2.5	PASS
NTLV	BLE_1M	Ant1	2402	30~1000	-46.92	≤-26	0.02032	≤2.5	PASS
				1000~2387	-50.13	≤-26	0.00971	≤2.5	PASS
				2387~2400	-24.47	≤-16	3.57273	≤25	PASS
				2483.5~2496.5	-42.00	≤-16	0.06310	≤25	PASS
				2496.5~13000	-30.17	≤-26	0.96161	≤2.5	PASS
			2440	30~1000	-47.05	≤-26	0.01972	≤2.5	PASS
				1000~2387	-51.57	≤-26	0.00697	≤2.5	PASS
				2387~2400	-42.74	≤-16	0.05321	≤25	PASS
				2483.5~2496.5	-42.37	≤-16	0.05794	≤25	PASS
				2496.5~13000	-31.23	≤-26	0.75336	≤2.5	PASS
			2480	30~1000	-46.66	≤-26	0.02158	≤2.5	PASS
				1000~2387	-51.44	≤-26	0.00718	≤2.5	PASS
				2387~2400	-42.59	≤-16	0.05508	≤25	PASS
				2483.5~2496.5	-41.21	≤-16	0.07568	≤25	PASS
				2496.5~13000	-30.24	≤-26	0.94624	≤2.5	PASS
NTHV	BLE_1M	Ant1	2402	30~1000	-46.99	≤-26	0.02000	≤2.5	PASS
				1000~2387	-50.58	≤-26	0.00875	≤2.5	PASS
				2387~2400	-24.26	≤-16	3.74973	≤25	PASS
				2483.5~2496.5	-42.25	≤-16	0.05957	≤25	PASS
				2496.5~13000	-30.79	≤-26	0.83368	≤2.5	PASS
			2440	30~1000	-46.45	≤-26	0.02265	≤2.5	PASS
				1000~2387	-51.63	≤-26	0.00687	≤2.5	PASS
				2387~2400	-42.83	≤-16	0.05212	≤25	PASS
				2483.5~2496.5	-42.35	≤-16	0.05821	≤25	PASS
				2496.5~13000	-31.37	≤-26	0.72946	≤2.5	PASS

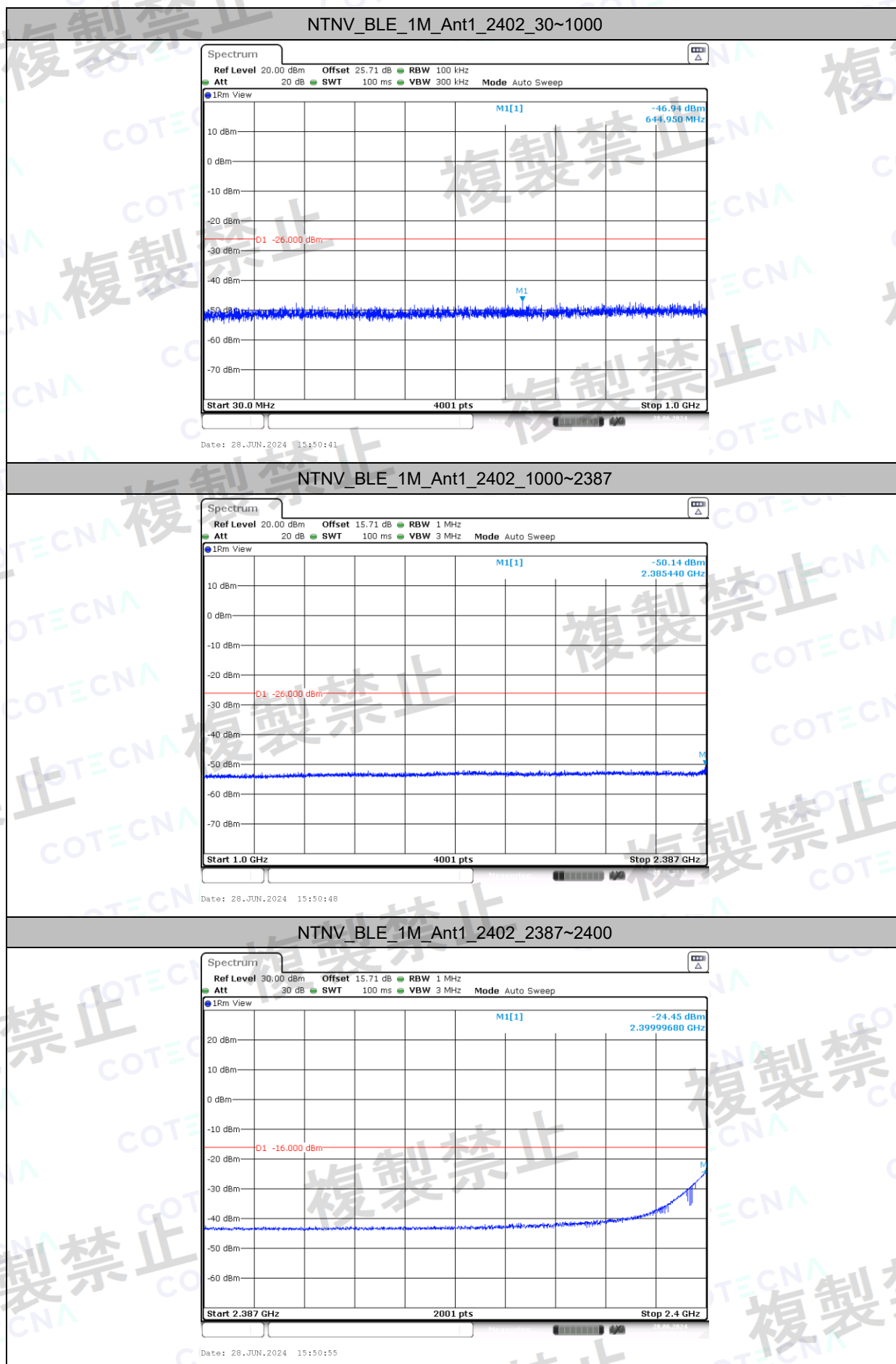


			2480	30~1000	-46.76	≤-26	0.02109	≤2.5	PASS
				1000~2387	-51.62	≤-26	0.00689	≤2.5	PASS
				2387~2400	-42.62	≤-16	0.05470	≤25	PASS
				2483.5~2496.5	-41.08	≤-16	0.07798	≤25	PASS
				2496.5~13000	-31.39	≤-26	0.72611	≤2.5	PASS

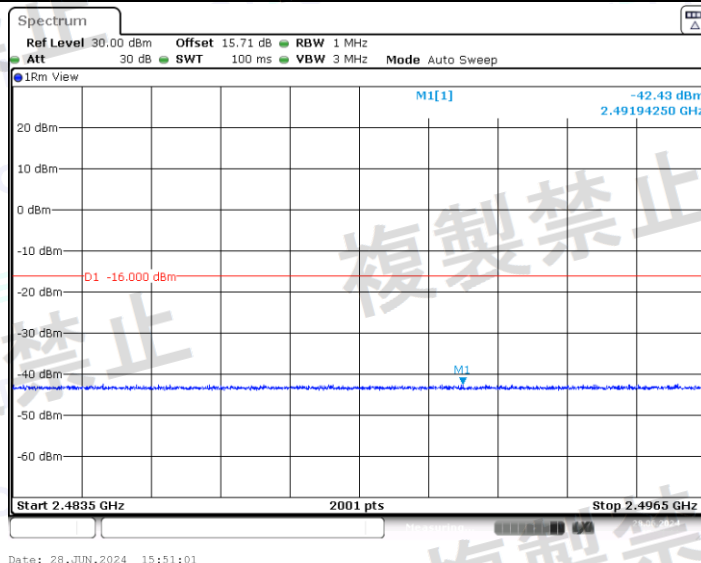
Remark: Only show the test data of worst condition.



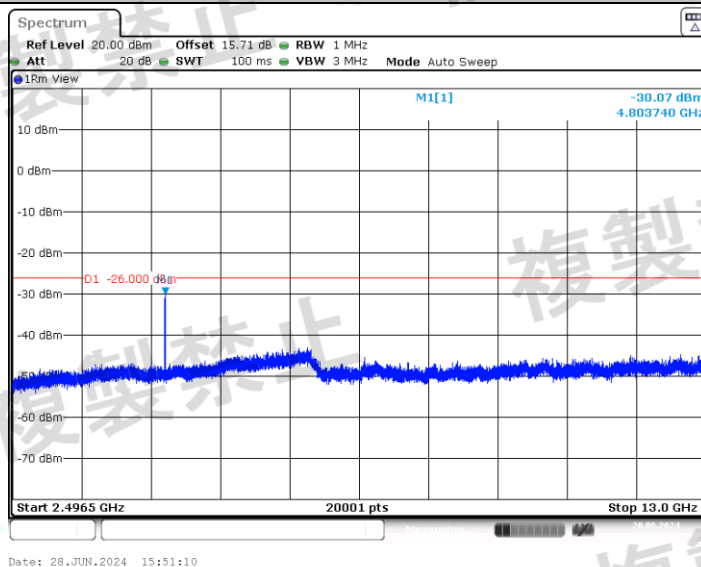
Test Graphs



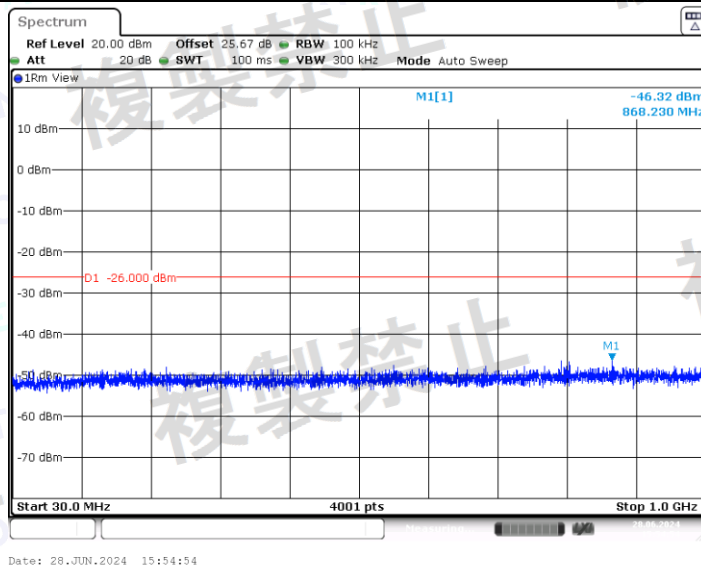
NTNV_BLE_1M_Ant1_2402_2483.5~2496.5



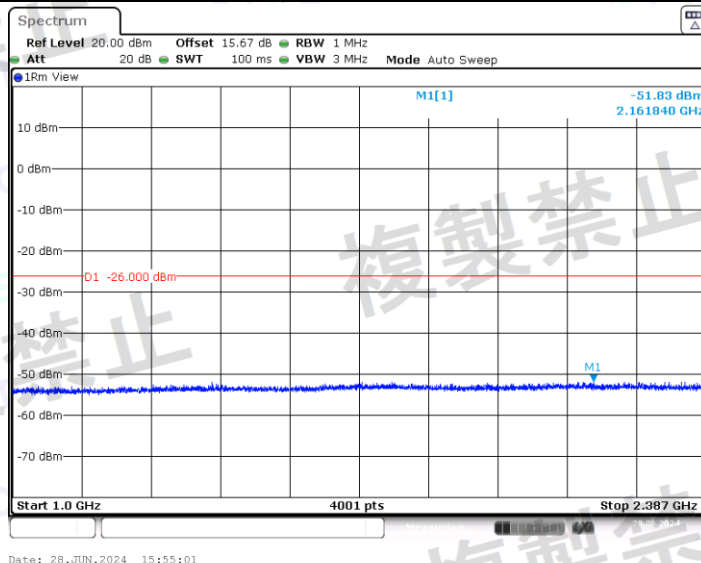
NTNV_BLE_1M_Ant1_2402_2496.5~13000



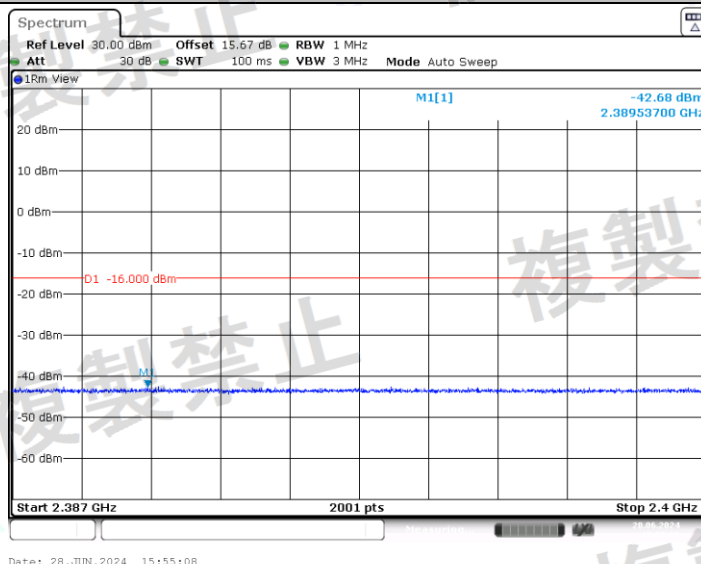
NTNV_BLE_1M_Ant1_2440_30~1000



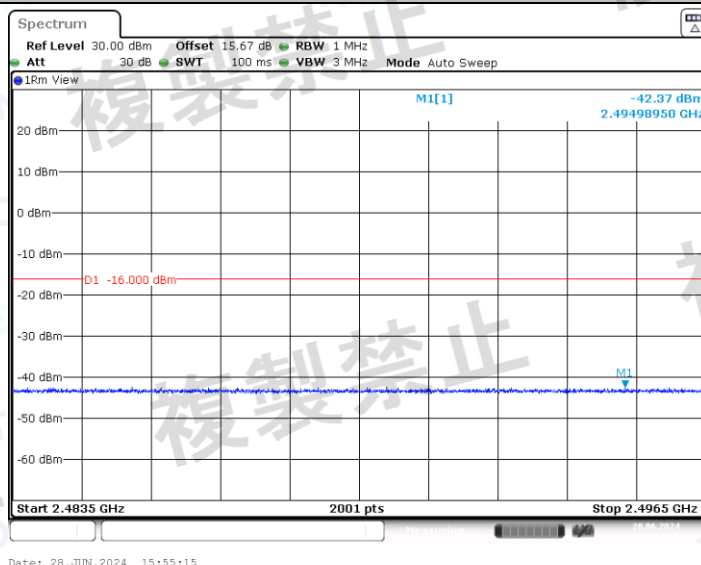
NTNV_BLE_1M_Ant1_2440_1000~2387



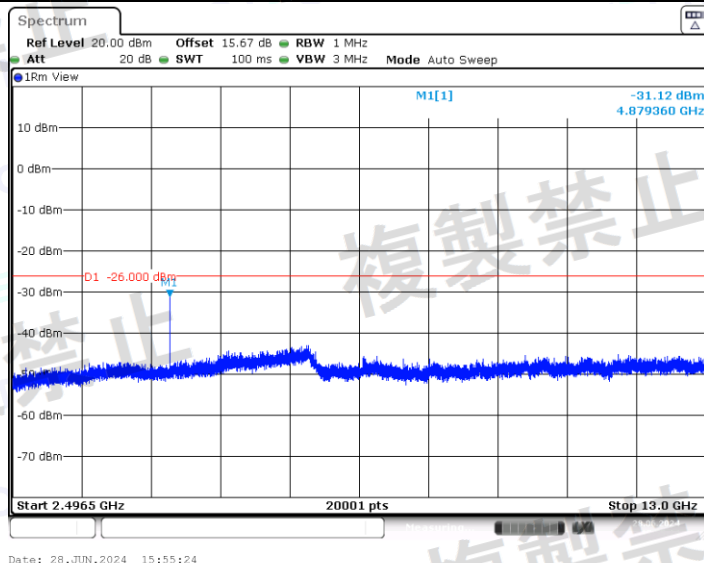
NTNV_BLE_1M_Ant1_2440_2387~2400



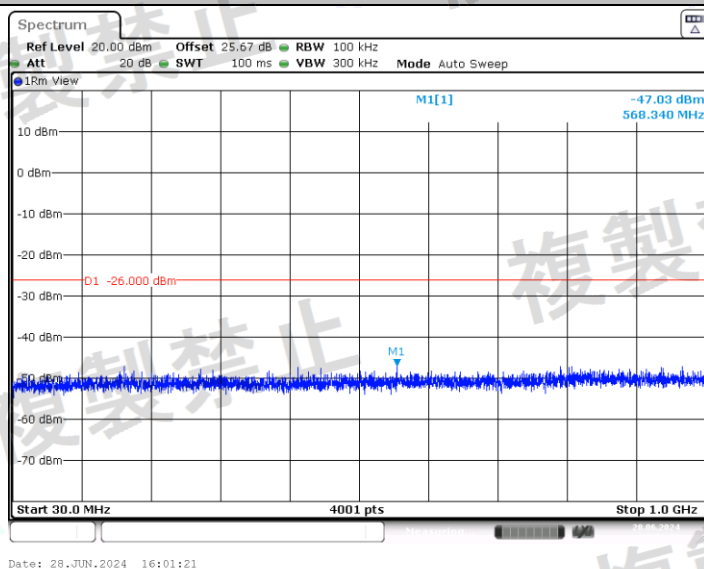
NTNV_BLE_1M_Ant1_2440_2483.5~2496.5



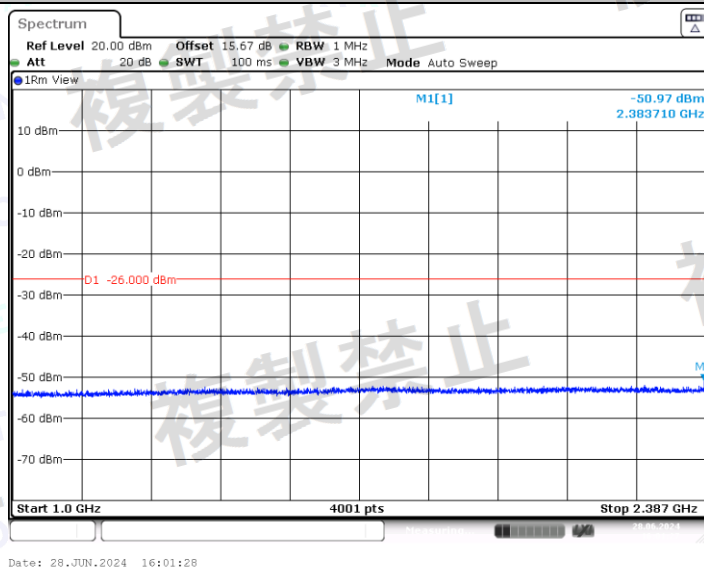
NTNV_BLE_1M_Ant1_2440_2496.5~13000



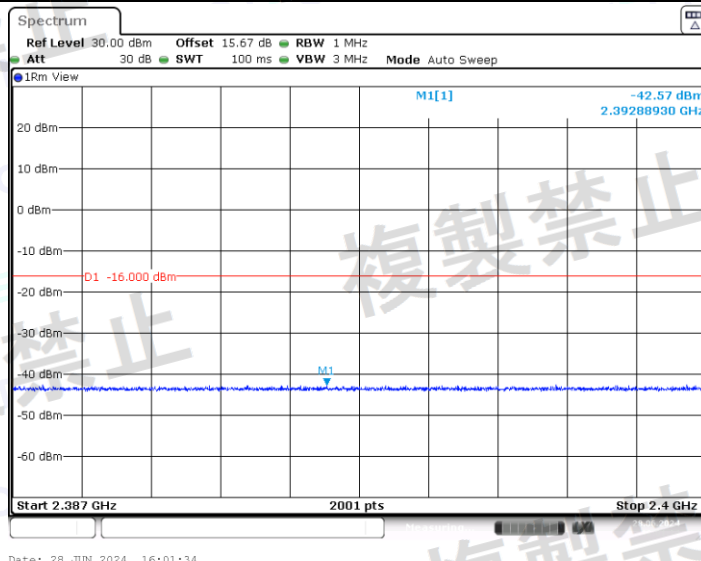
NTNV_BLE_1M_Ant1_2480_30~1000



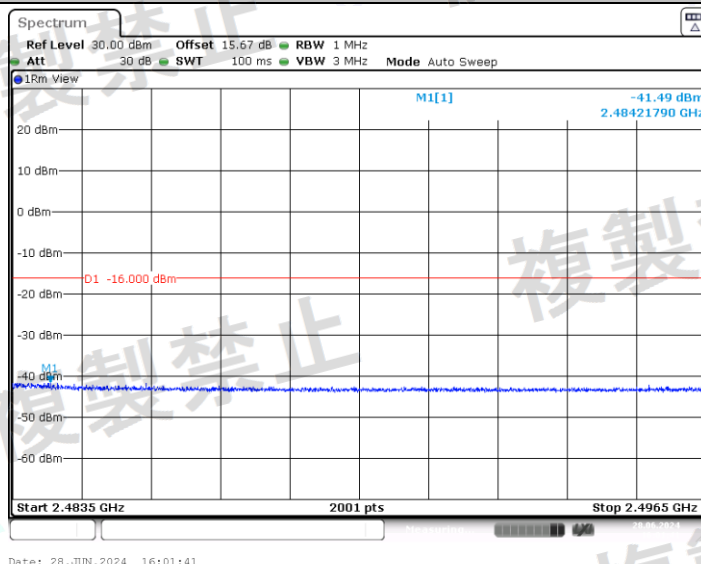
NTNV_BLE_1M_Ant1_2480_1000~2387



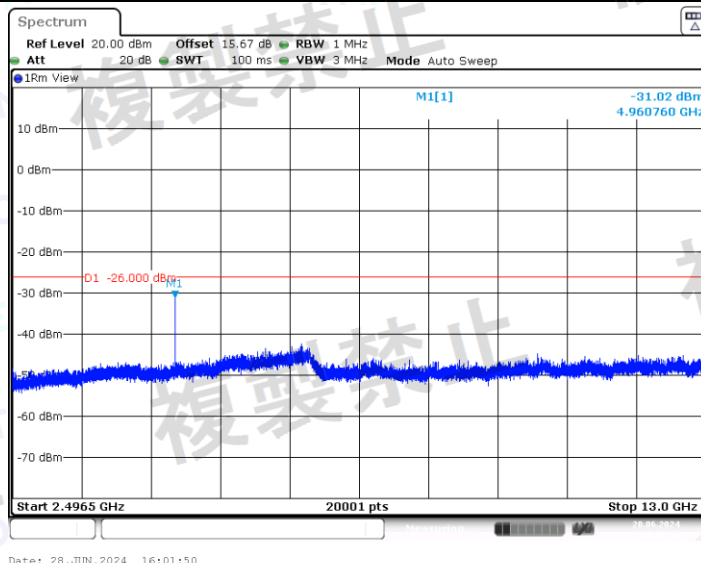
NTNV_BLE_1M_Ant1_2480_2387~2400



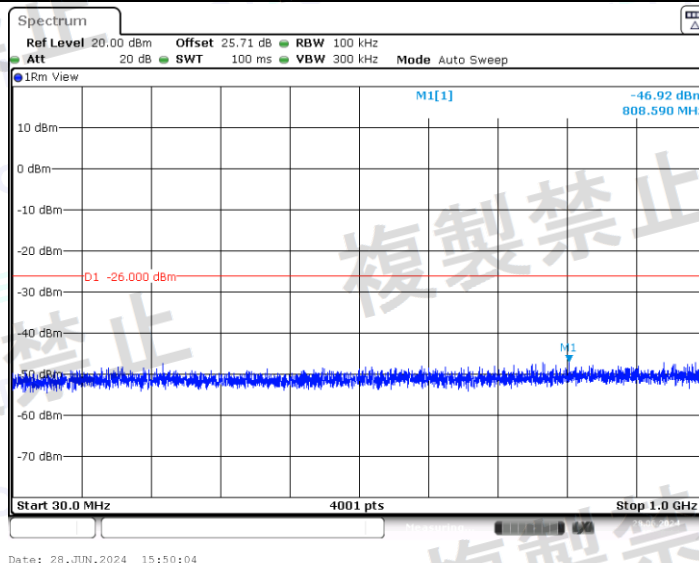
NTNV_BLE_1M_Ant1_2480_2483.5~2496.5



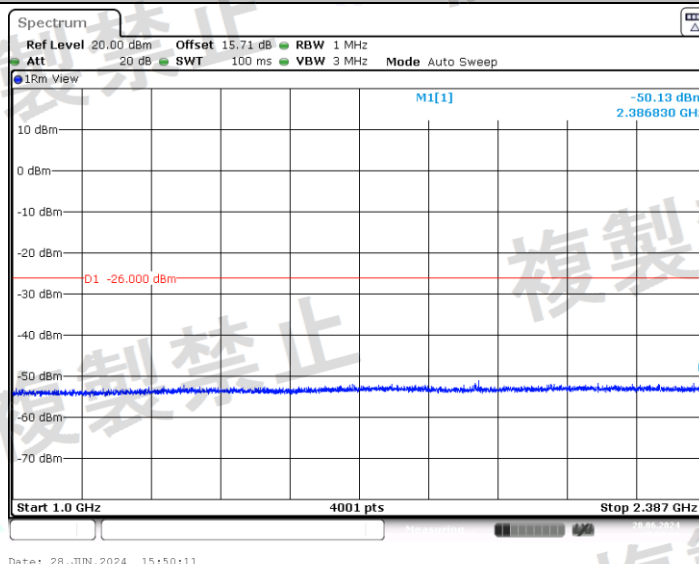
NTNV_BLE_1M_Ant1_2480_2496.5~13000



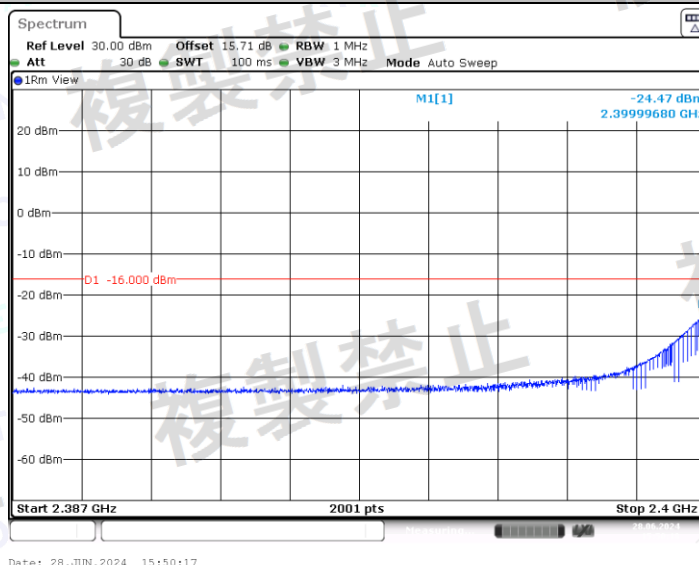
NTLV_BLE_1M_Ant1_2402_30~1000



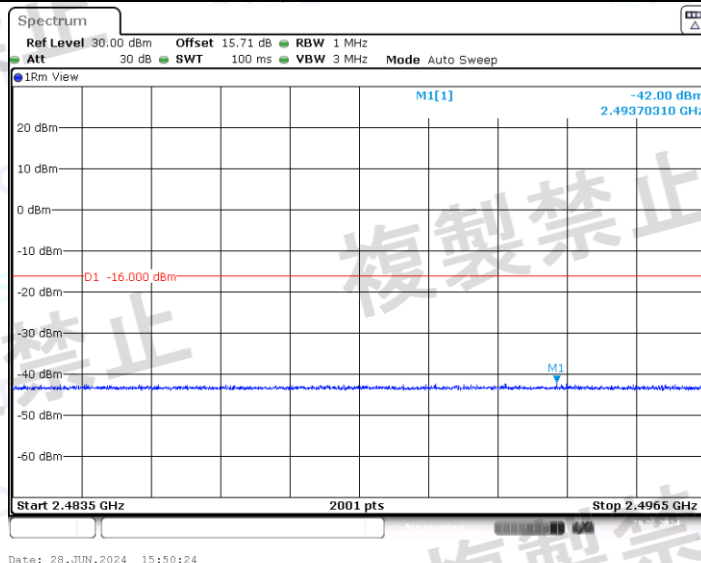
NTLV_BLE_1M_Ant1_2402_1000~2387



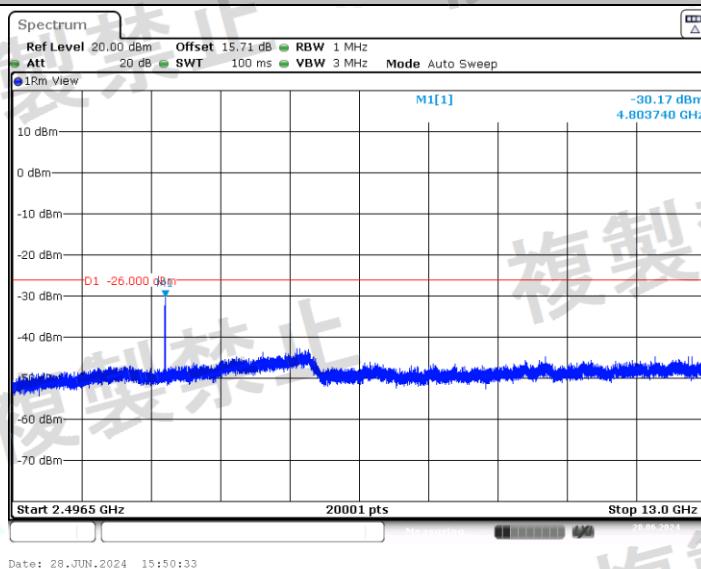
NTLV_BLE_1M_Ant1_2402_2387~2400



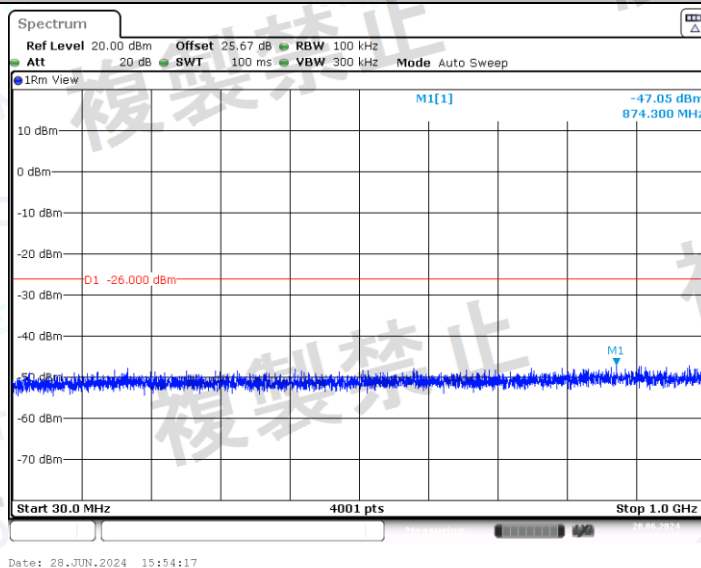
NTLV_BLE_1M_Ant1_2402_2483.5~2496.5



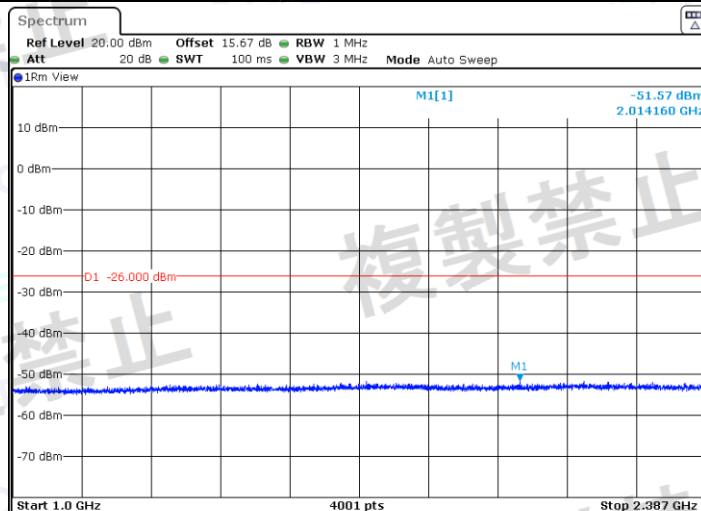
NTLV_BLE_1M_Ant1_2496.5~13000



NTLV_BLE_1M_Ant1_2440_30~1000

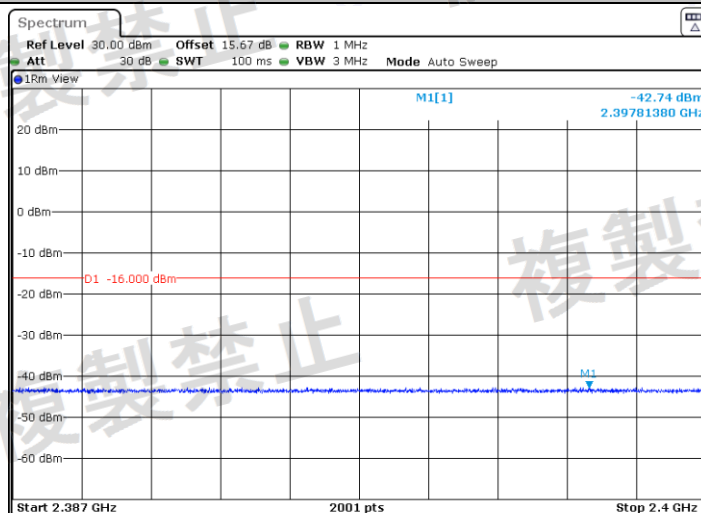


NTLV_BLE_1M_Ant1_2440_1000~2387



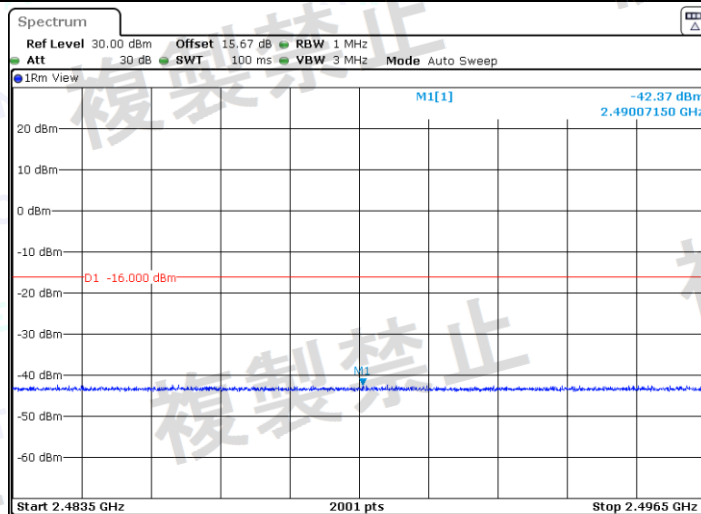
Date: 28 JUN 2024 15:54:24

NTLV_BLE_1M_Ant1_2440_2387~2400



Date: 28 JUN 2024 15:54:30

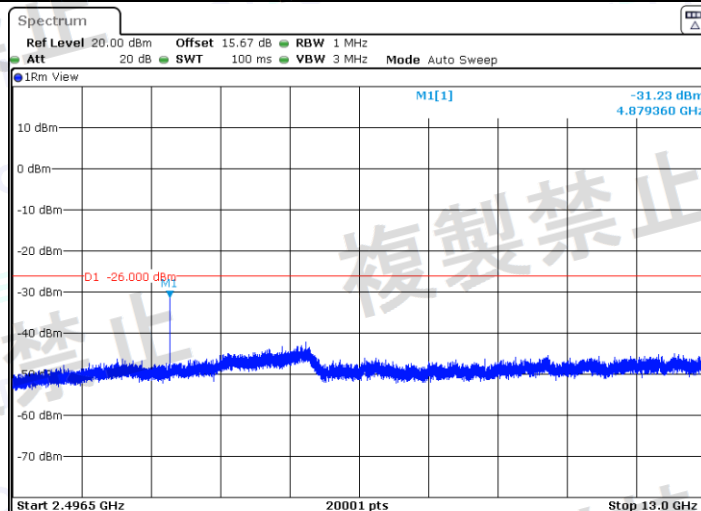
NTLV_BLE_1M_Ant1_2440_2483.5~2496.5



Date: 28 JUN 2024 15:54:37

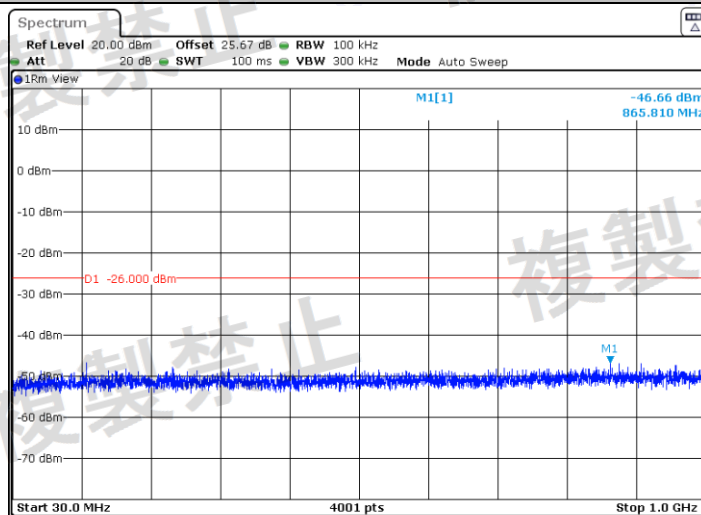


NTLV_BLE_1M_Ant1_2440_2496.5~13000



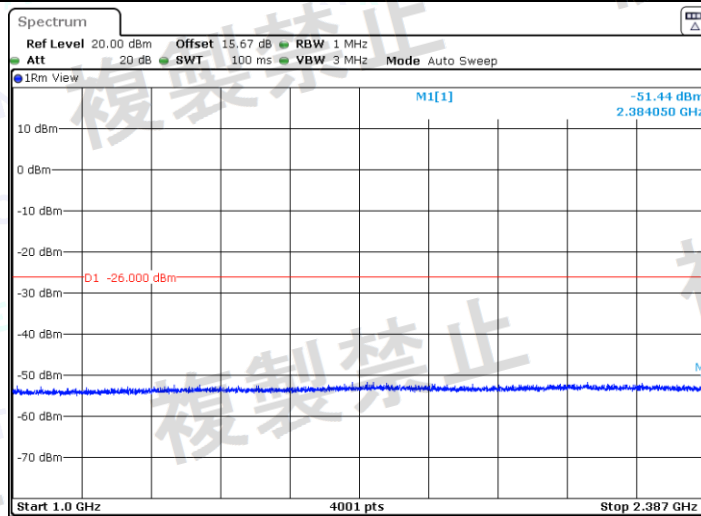
Date: 28 JUN 2024 15:54:46

NTLV_BLE_1M_Ant1_2480_30~1000



Date: 28 JUN 2024 16:00:43

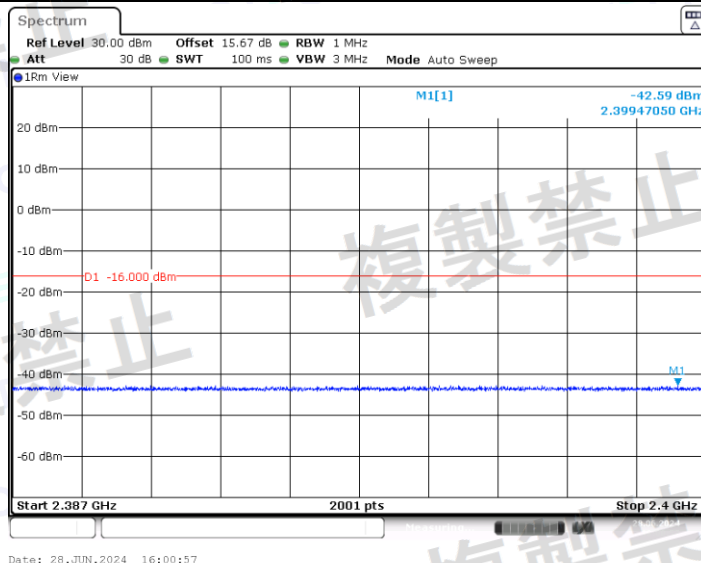
NTLV_BLE_1M_Ant1_2480_1000~2387



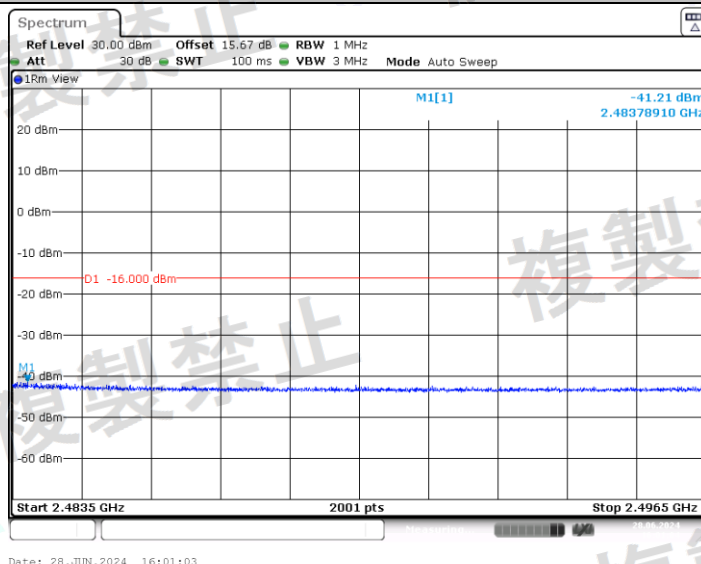
Date: 28 JUN 2024 16:00:50



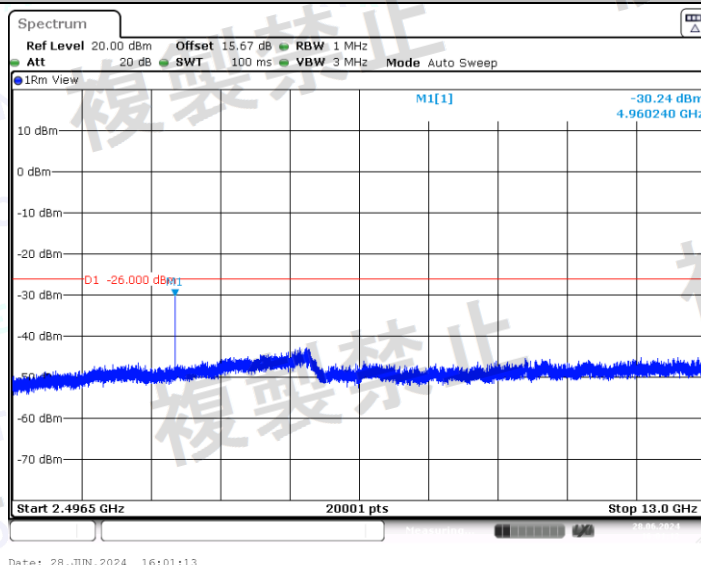
NTLV_BLE_1M_Ant1_2480_2387~2400



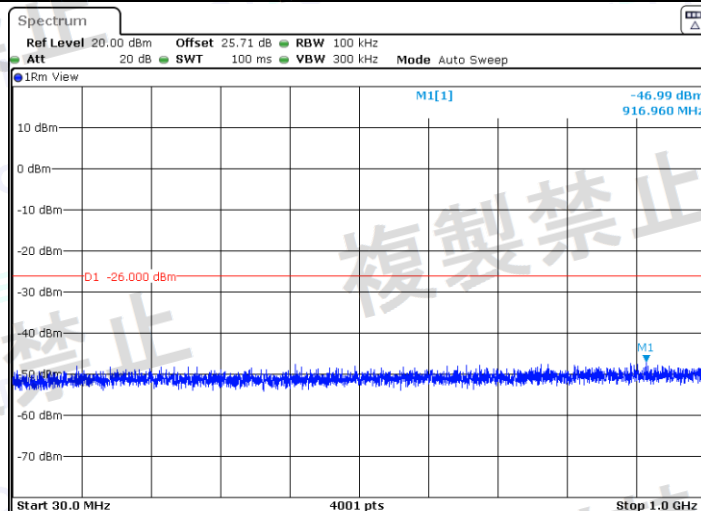
NTLV_BLE_1M_Ant1_2480_2483.5~2496.5



NTLV_BLE_1M_Ant1_2480_2496.5~13000

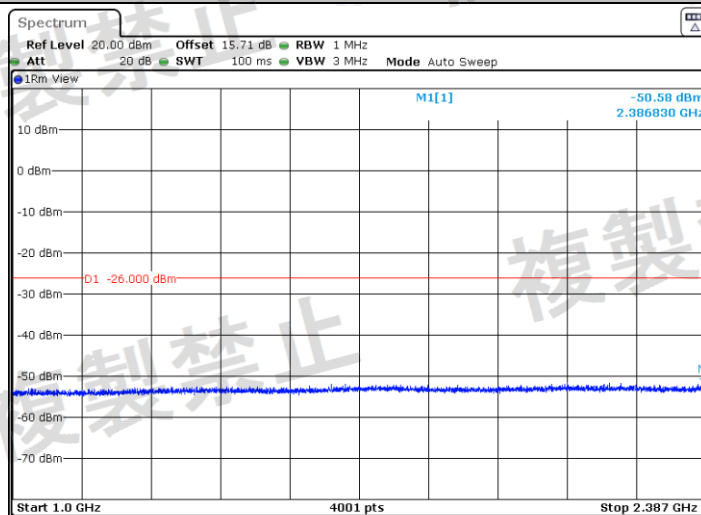


NTHV_BLE_1M_Ant1_2402_30~1000



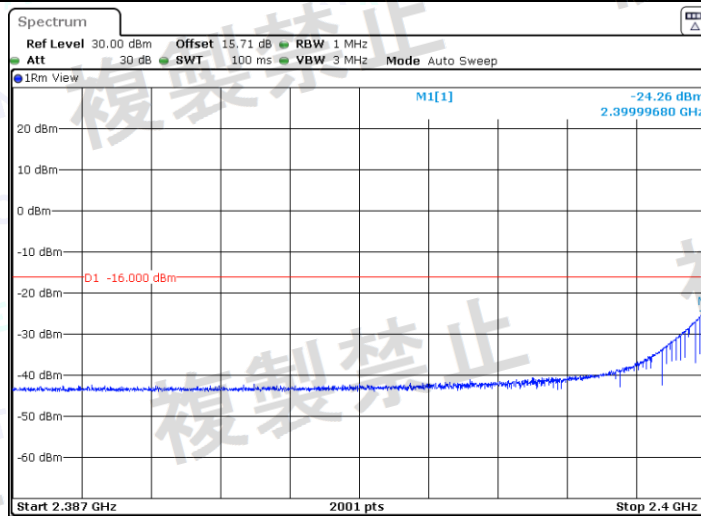
Date: 28 JUN 2024 15:51:19

NTHV_BLE_1M_Ant1_2402_1000~2387



Date: 28 JUN 2024 15:51:26

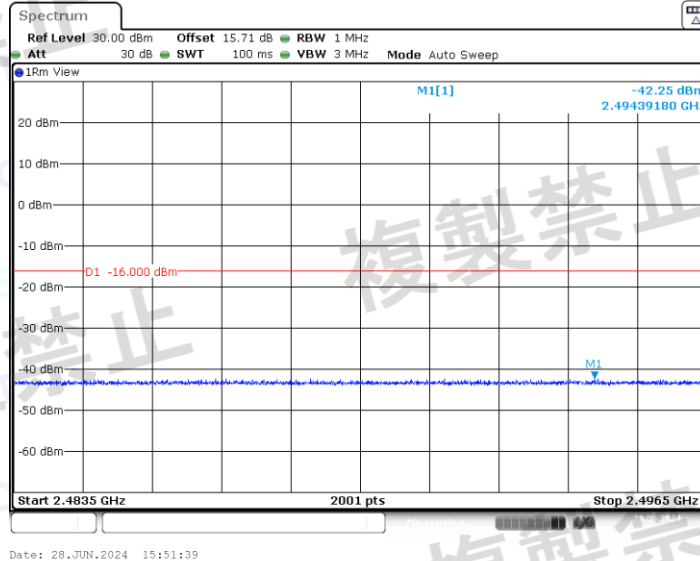
NTHV_BLE_1M_Ant1_2402_2387~2400



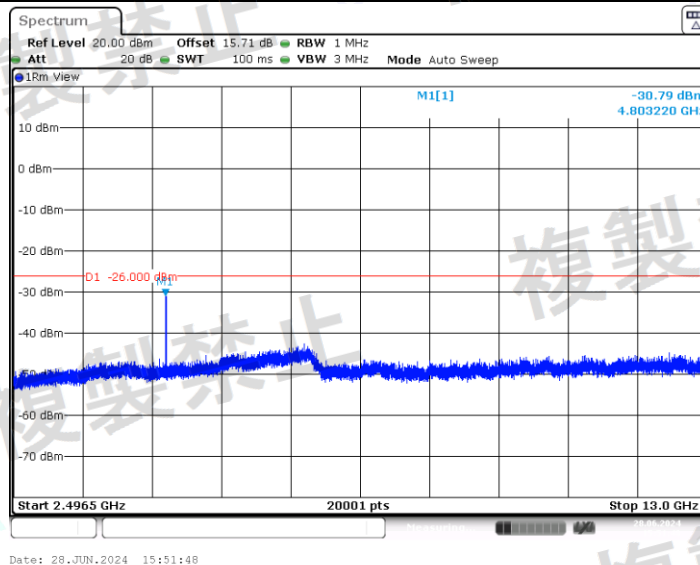
Date: 28 JUN 2024 15:51:32



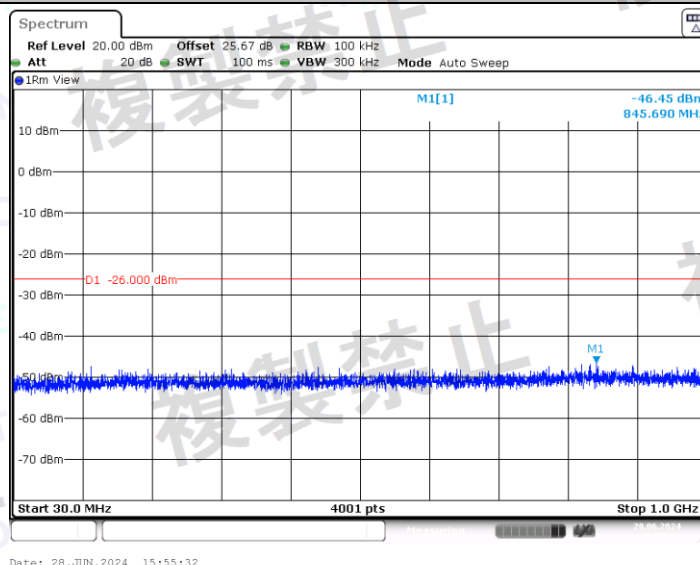
NTHV_BLE_1M_Ant1_2402_2483.5~2496.5



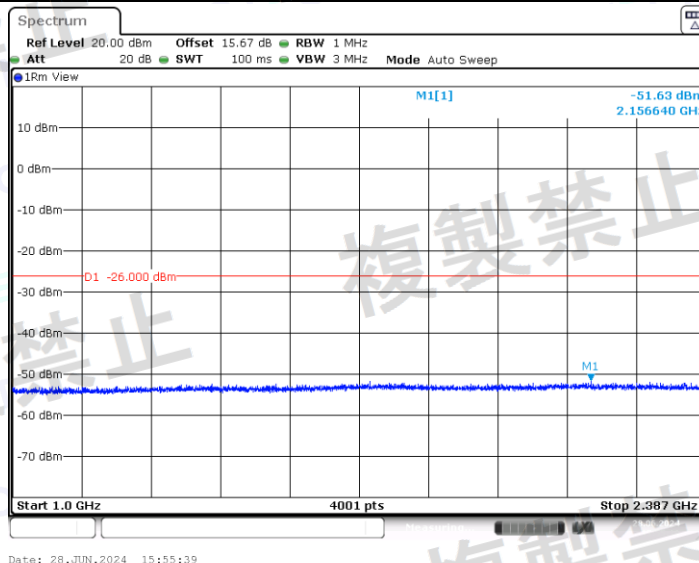
NTHV_BLE_1M_Ant1_2402_2496.5~13000



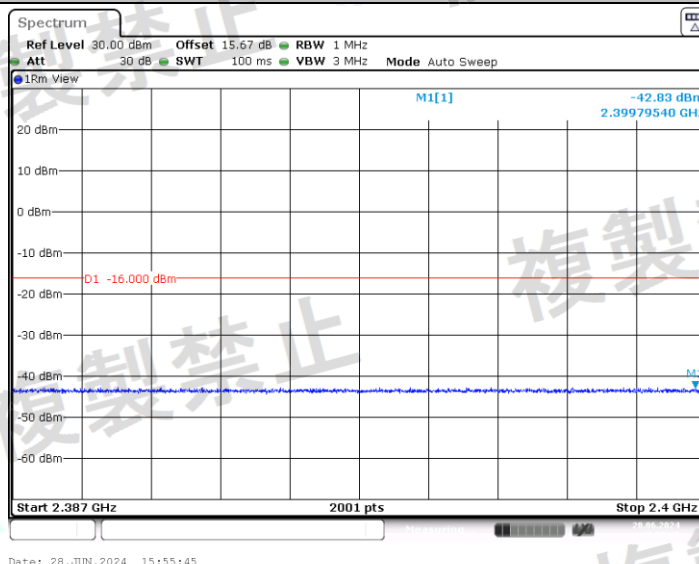
NTHV_BLE_1M_Ant1_2440_30~1000



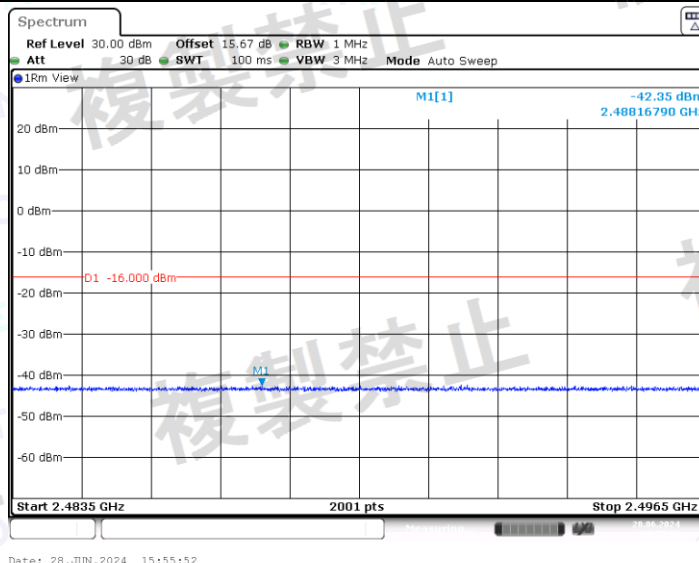
NTHV_BLE_1M_Ant1_2440_1000~2387



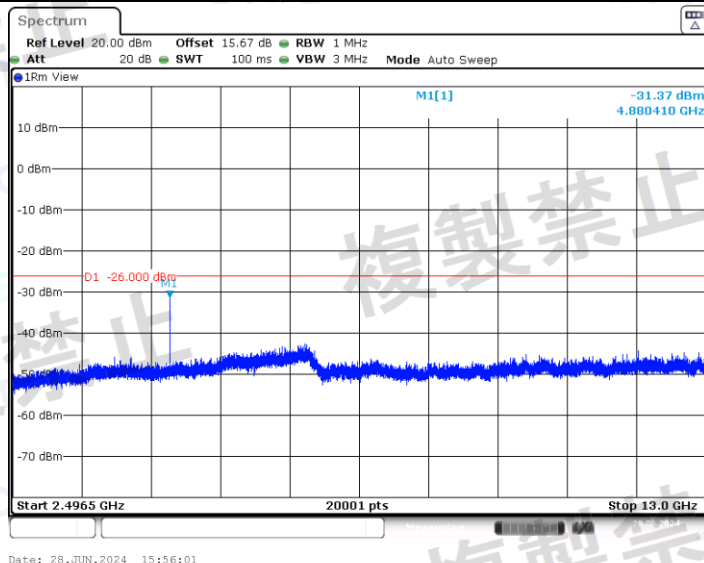
NTHV_BLE_1M_Ant1_2440_2387~2400



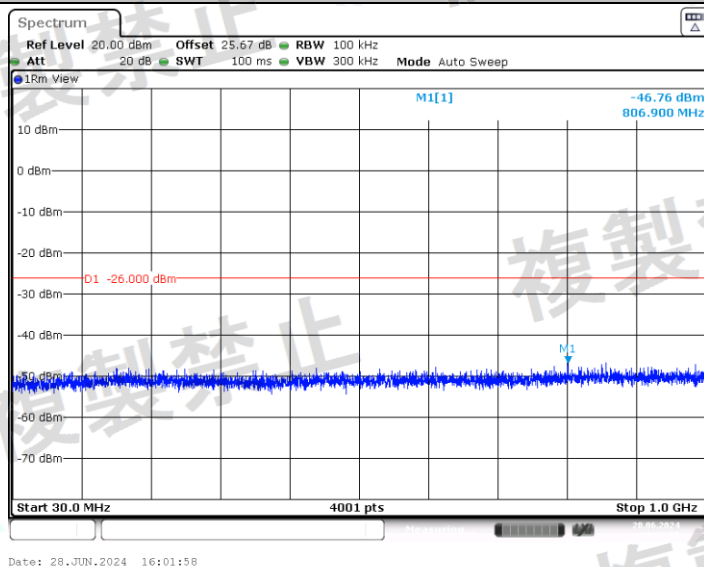
NTHV_BLE_1M_Ant1_2440_2483.5~2496.5



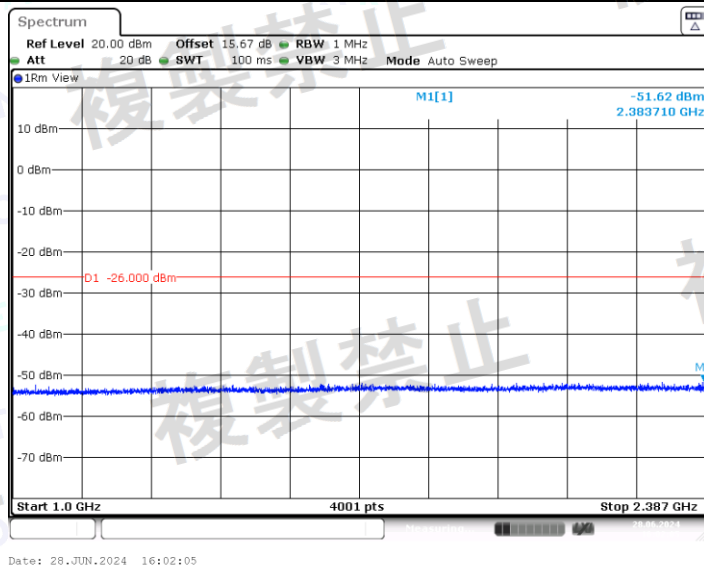
NTHV_BLE_1M_Ant1_2440_2496.5~13000



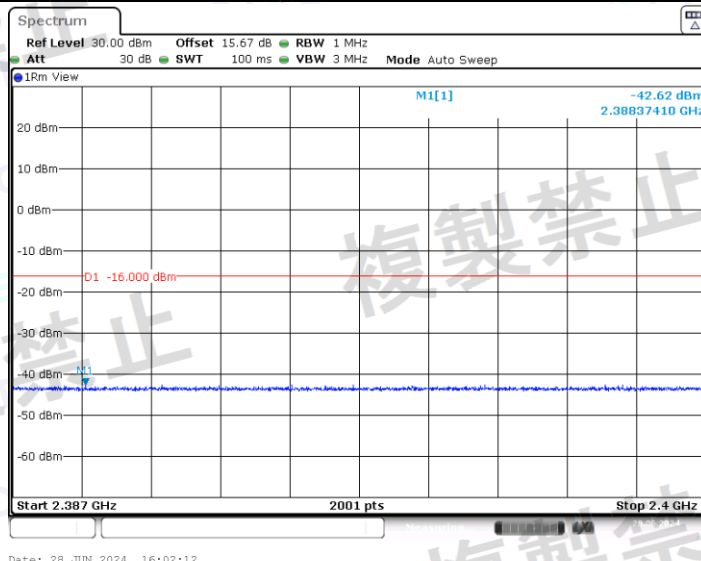
NTHV_BLE_1M_Ant1_2480_30~1000



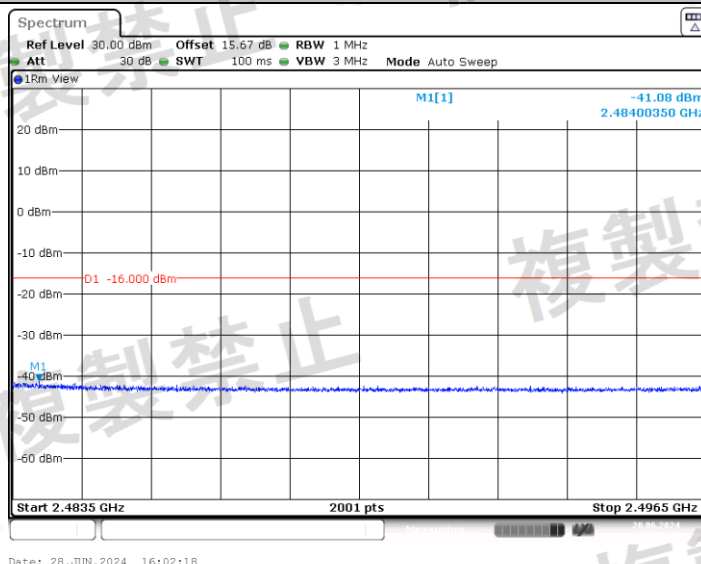
NTHV_BLE_1M_Ant1_2480_1000~2387



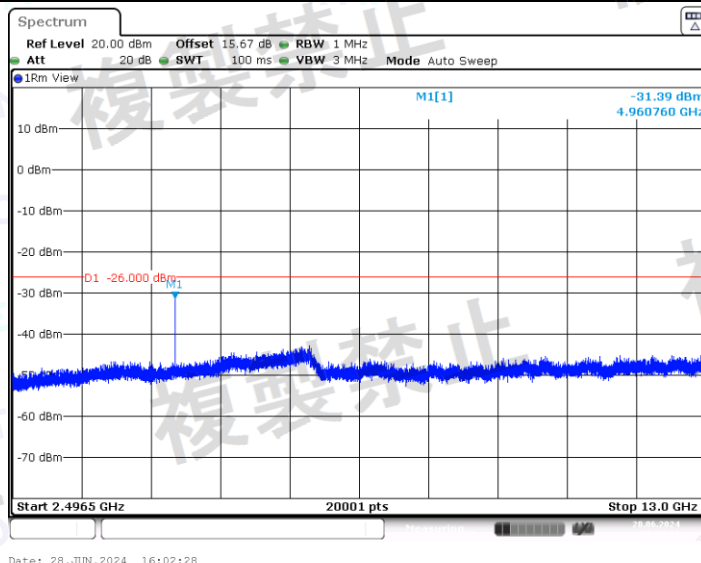
NTHV_BLE_1M_Ant1_2480_2387~2400



NTHV_BLE_1M_Ant1_2480_2483.5~2496.5



NTHV_BLE_1M_Ant1_2480_2496.5~13000



Appendix F: Spurious Emission of RX

Test Result

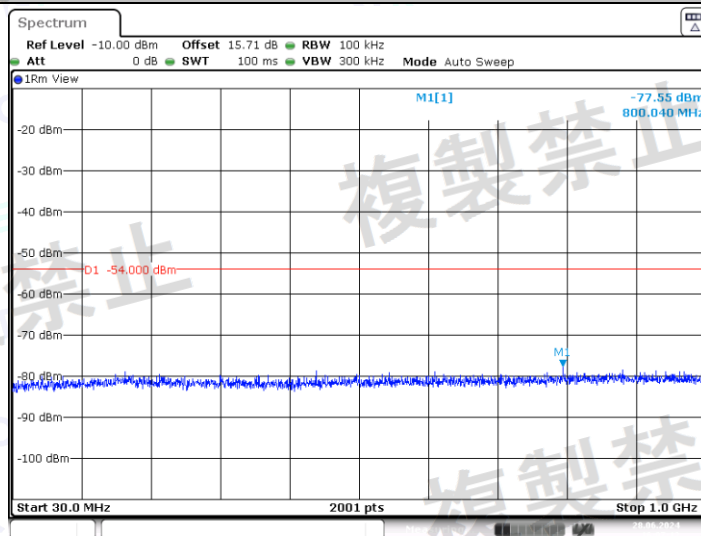
TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	-77.55	≤-54	0.01758	≤4	PASS
				1000~13000	-62.55	≤-47	0.55590	≤20	PASS
			2440	30~1000	-78.6	≤-54	0.01380	≤4	PASS
				1000~13000	-62.19	≤-47	0.60395	≤20	PASS
			2480	30~1000	-78.51	≤-54	0.01409	≤4	PASS
				1000~13000	-63.03	≤-47	0.49774	≤20	PASS
NTLV	BLE_1M	Ant1	2402	30~1000	-78.83	≤-54	0.01309	≤4	PASS
				1000~13000	-62.83	≤-47	0.52119	≤20	PASS
			2440	30~1000	-77.49	≤-54	0.01782	≤4	PASS
				1000~13000	-62.26	≤-47	0.59429	≤20	PASS
			2480	30~1000	-77.76	≤-54	0.01675	≤4	PASS
				1000~13000	-62.49	≤-47	0.56364	≤20	PASS
NTHV	BLE_1M	Ant1	2402	30~1000	-78.2	≤-54	0.01514	≤4	PASS
				1000~13000	-61.88	≤-47	0.64863	≤20	PASS
			2440	30~1000	-78.6	≤-54	0.01380	≤4	PASS
				1000~13000	-62.72	≤-47	0.53456	≤20	PASS
			2480	30~1000	-78.2	≤-54	0.01514	≤4	PASS
				1000~13000	-63.13	≤-47	0.48641	≤20	PASS

Remark: Only show the test data of worst condition.



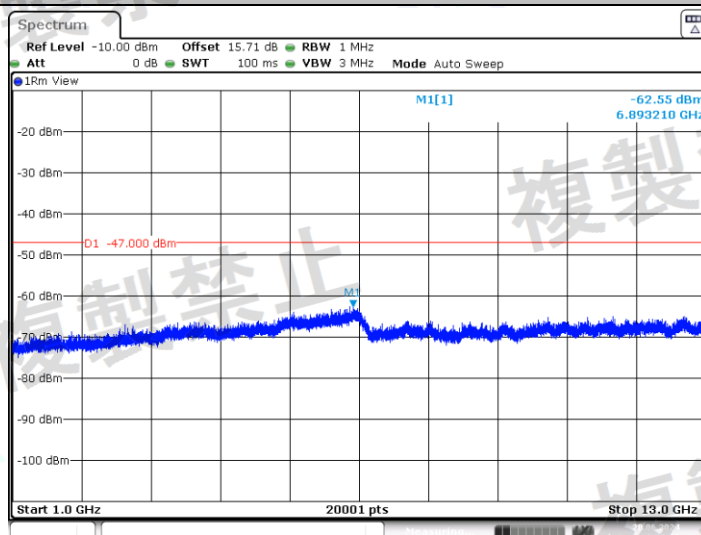
Test Graphs

NTNV_BLE_1M_Ant1_2402_30~1000



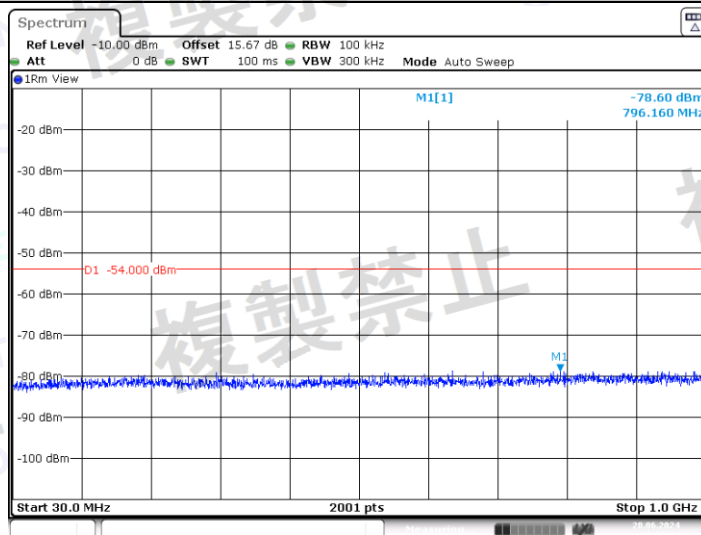
Date: 28.JUN.2024 16:07:12

NTNV_BLE_1M_Ant1_2402_1000~13000



Date: 28.JUN.2024 16:07:23

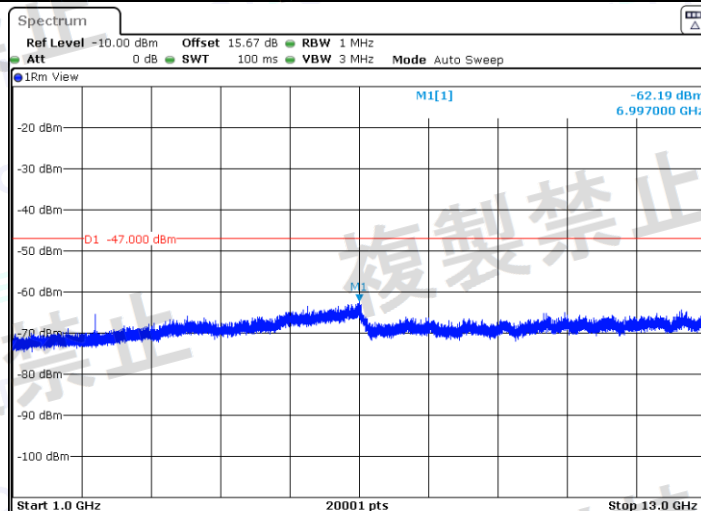
NTNV_BLE_1M_Ant1_2440_30~1000



Date: 28.JUN.2024 16:08:44

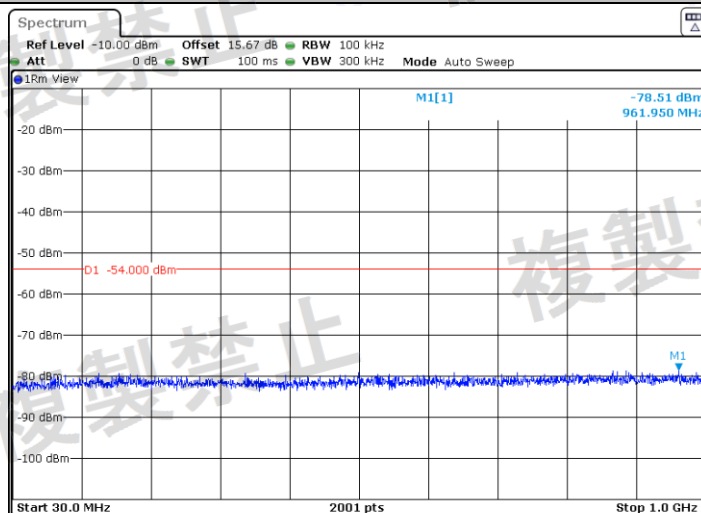


NTNV_BLE_1M_Ant1_2440_1000~13000



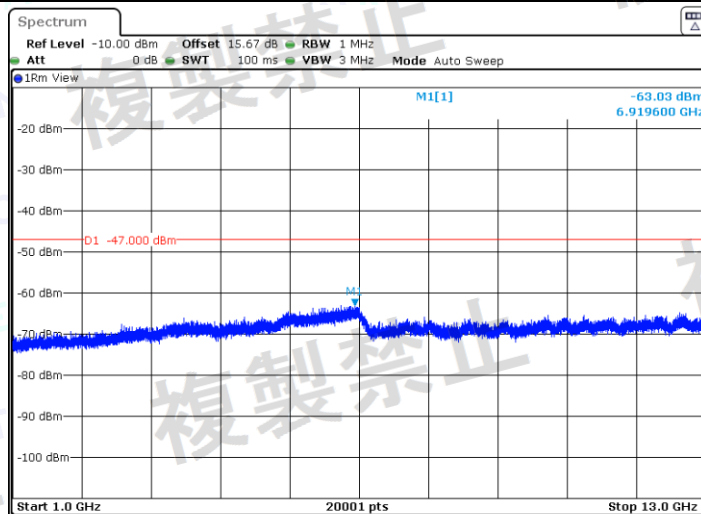
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NTNV_BLE_1M_Ant1_2480_30~1000



Date: 28.JUN.2024 16:11:45

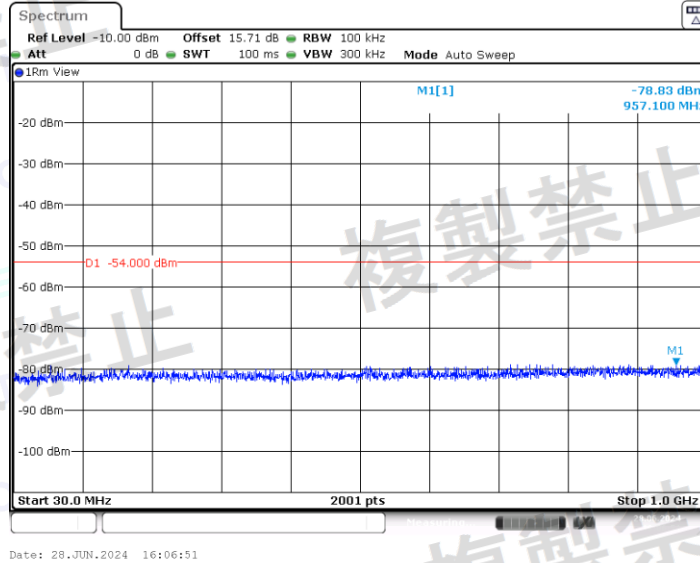
NTNV_BLE_1M_Ant1_2480_1000~13000



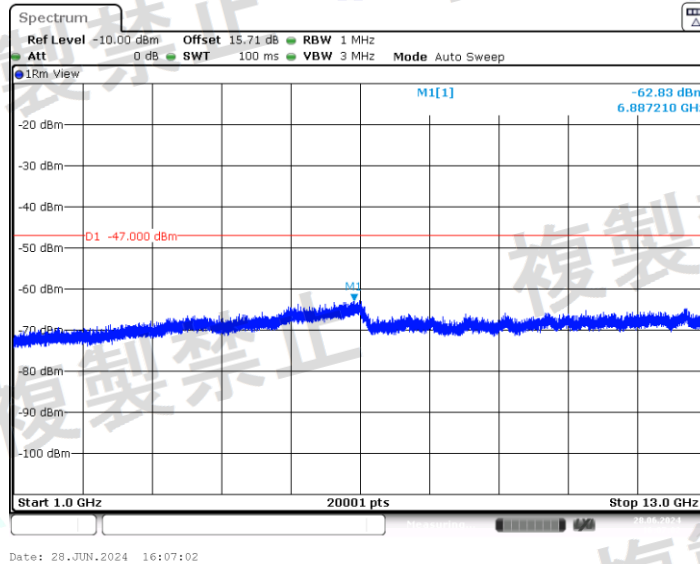
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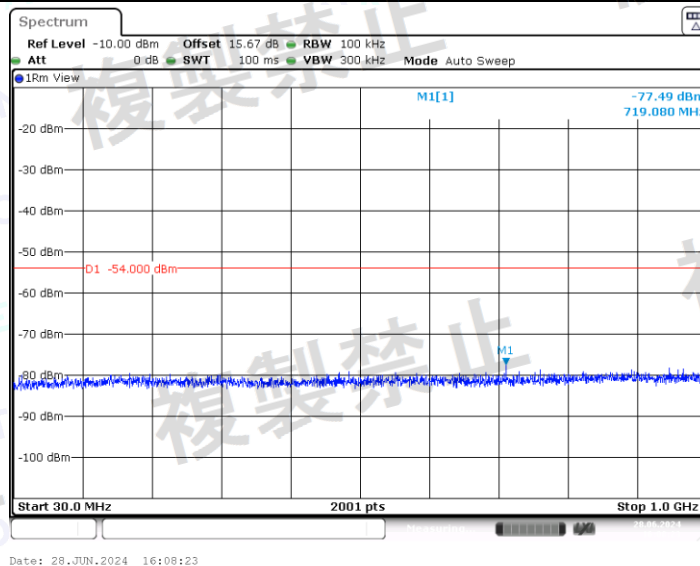
NTLV_BLE_1M_Ant1_2402_30~1000



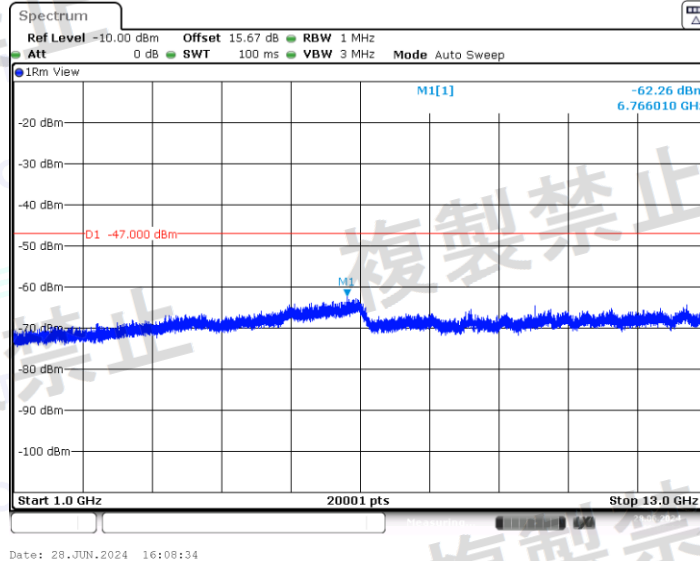
NTLV_BLE_1M_Ant1_2402_1000~13000



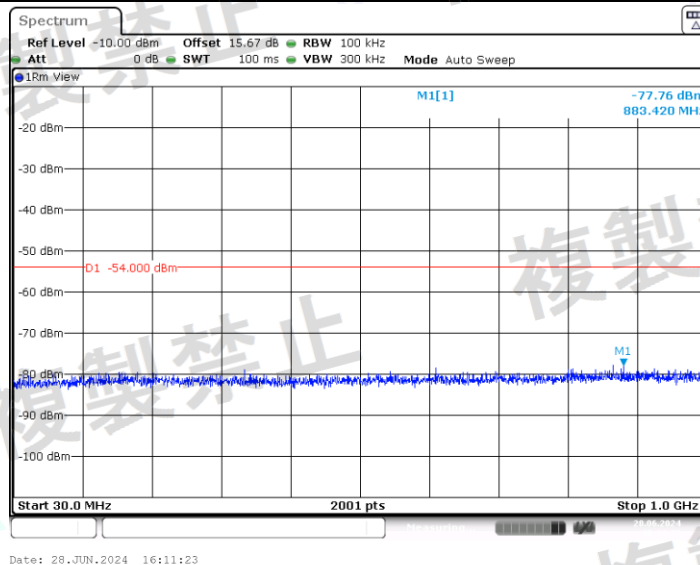
NTLV_BLE_1M_Ant1_2440_30~1000



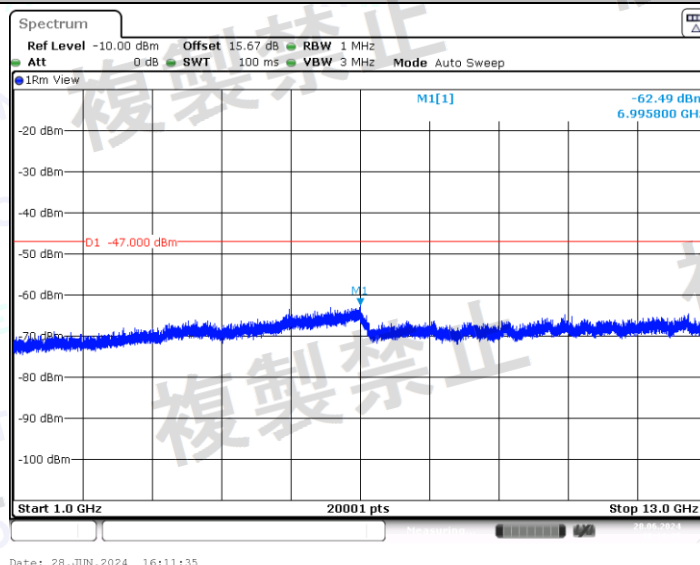
NTLV_BLE_1M_Ant1_2440_1000~13000



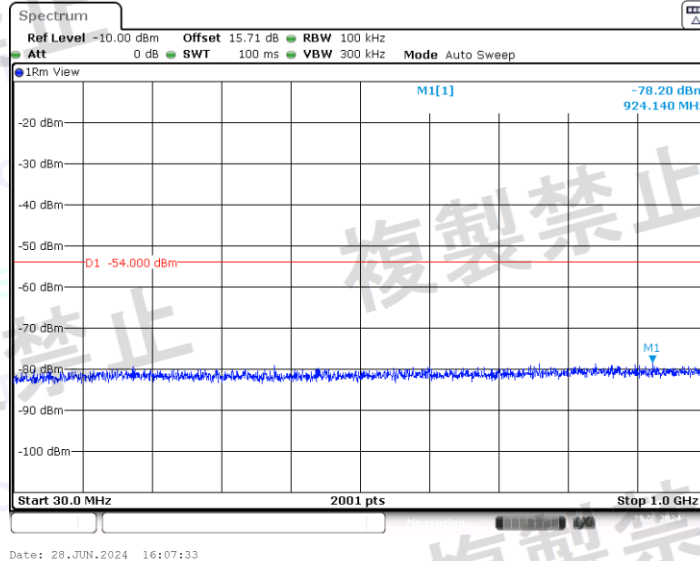
NTLV_BLE_1M_Ant1_2480_30~1000



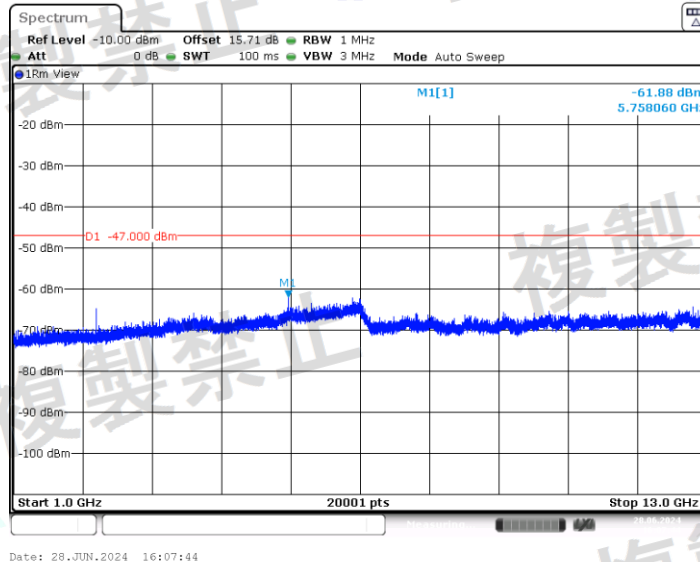
NTLV_BLE_1M_Ant1_2480_1000~13000



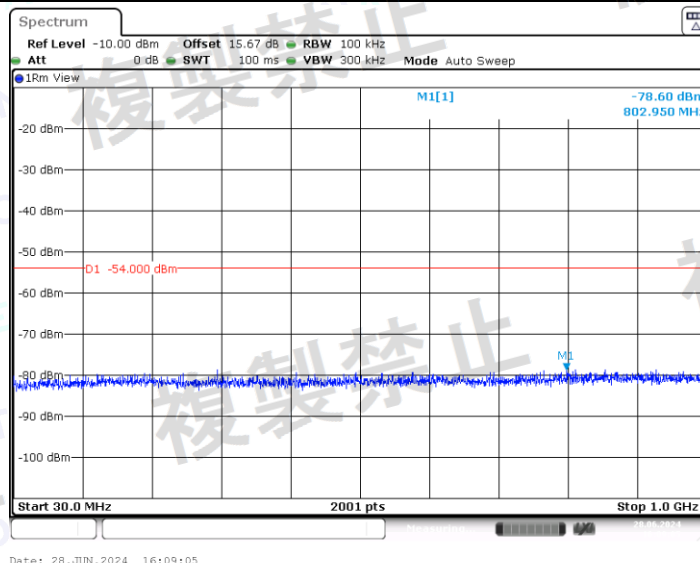
NTHV_BLE_1M_Ant1_2402_30~1000



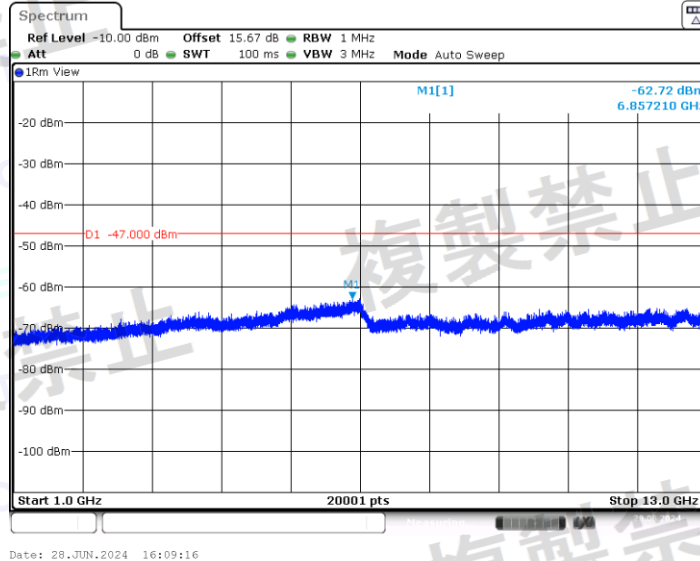
NTHV_BLE_1M_Ant1_2402_1000~13000



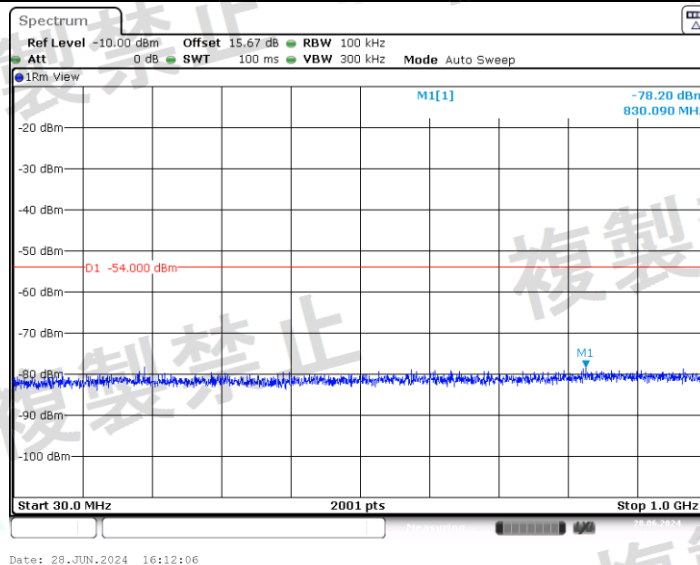
NTHV_BLE_1M_Ant1_2440_30~1000



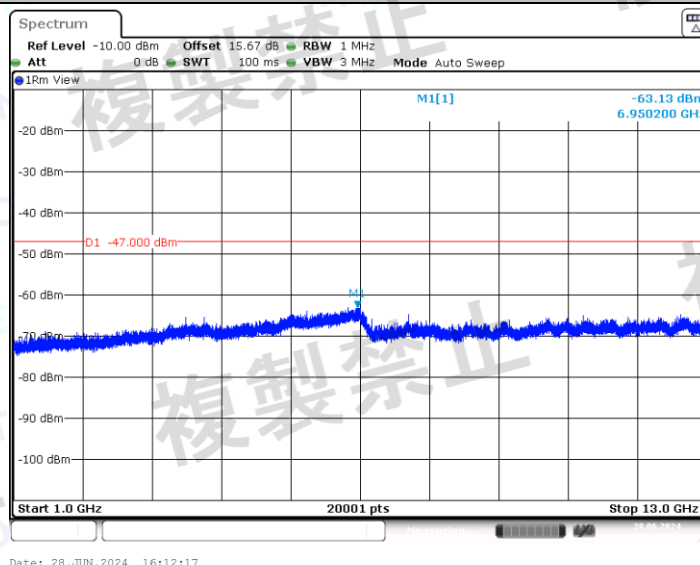
NTHV_BLE_1M_Ant1_2440_1000~13000



NTHV_BLE_1M_Ant1_2480_30~1000



NTHV_BLE_1M_Ant1_2480_1000~13000



-----END OF THE REPORT-----

