



JAPAN RF REPORT

Report Number : 66.740.22.0007.01 Date of Issue: 2022-01-29

Model : SS-T-18A

Product Type : Bluetooth speaker

Applicant : Shanghai Sincol Furniture Products Co., LTD

Address : No.21 Lane 8358, HuTai Road, BaoShan District, Shanghai, China

Test Result : ☒ Positive ☐ Negative



Total pages including Appendices : 93

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1 General Information

1.1 Notes

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Sample Received Date: January 19, 2022

Testing Start Date: January 20, 2019

Testing End Date: January 25, 2019

- TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch -

Reviewed by:

Prepared by:

Peter Jia

Matt Zhang



1.2 Testing Laboratory

■ - JianYan Testing Group Co.,Ltd.

Address: No.760, Fengling Road, Tong'an District, Xiamen, Fujian, China

1.3 Test Item

Refer to table 1

1.4 Applied Standard

APPLIED PRODUCT STANDARD

ARIB STD-T66 Version 5.0

1.5 Test Summary

Table 1. Summary of results

Conformance requirement according to ARIB STD-T66 Version 5.0		Result
Essential parameter	Corresponding technical requirements	
Transmitter requirements	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	N/A*
	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	PASS
	3.4 (1) Interference prevention function	PASS
	3.2 (6) Spurious Emissions	PASS
Receiver requirements	3.3 (1) Secondary Radiated Emissions	PASS

NOTE 1 Measurement taken is within the measurement uncertainty of measurement system.

NOTE 2 "N/A" is an abbreviation for Not Applicable.

2 Equipment Specification

2.1 General Description

EUT is a Bluetooth speaker with Bluetooth which operated at 2.4GHz ISM band.

2.2 Technical Data

Description	Bluetooth speaker
Model	SS-T-18A
Brand Name	N/A
Rated Voltage	5.0Vdc
Modulation	GFSK, $\pi/4$ DQPSK
Antenna gain	-0.58dBi
Antenna Type	PCB antenna

Table 2. Work Frequency

Mode	Work Frequency	
	Transmitting Frequency	Receiving Frequency
Bluetooth	2402MHz-2480MHz	2402MHz-2480MHz



Figure 1 SS-T-18A Appearance

2.3 Test conditions and test Connections

2.3.1 Test Conditions

The EUT will be connected to test system in order to simulate normal operating conditions (with reference to the guidance given in the standard for this type of equipment).

2.3.2 Test Connections

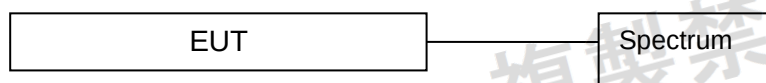


Figure 2. Test Configuration 1

2.4 Auxiliary Equipment Used during Test

Table 3. Auxiliary Equipment Used during Test

NAME	MODEL	MANUFACTURER	S/N	CAL DATE	CAL INTERVAL (MONTH)
---	---	---	---	---	---

2.5 Lists of Test Instruments

Table 4. Lists of Test Instruments

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Spectrum Analyzer	R&S	FSV40	102175	2022-04-11

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

Uncertainty for Radiated Spurious Emission test in RF chamber	4.1dB (30M ~ 1000MHz)
	5.8dB (1000M ~ 2500MHz)
Uncertainty for Conduction Spurious Emission test	1.90dB
Uncertainty for Output Power test	1.90dB
Uncertainty for Power Density test	1.90dB
Uncertainty for Frequency Range test	2.0 * 10 ⁻⁸ MHz
Uncertainty for Bandwidth test	2.2%



3 Measurements Result

3.1 Antenna Power

3.1.1 Test condition

Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.1.2 Limit (ARIB STD-T66, Clause 3.2 (2)-a)

- The antenna power of a transmitting equipment (with a frequency band of 2,427 – 2,470.75 MHz, for spread spectrum systems using FH systems, hybrid systems of DS and FH, or hybrid systems of FH and OFDM) shall be such that the mean power within a bandwidth of 1 MHz is 3 mW or less in the case of modulation using a standard coding test signal with the same transmission rate as that of the modulation signal.
- The antenna power of a transmitting equipment using a spread spectrum system other than any of those in “a” and the OFDM system shall be such that the mean power within a bandwidth of 1 MHz is 10 mW or less in the case of modulation using a standard coding test signal with the same transmission rate as that of the modulation signal.

3.1.3 Test result

Normal voltage: +5.0V

Cable loss: 1.0dBi			Attenuator loss: 0dBi	Antenna Gain: -0.58dBi	
Mode	Frequency (MHz)	Voltage (DC)	Reding (dBm/MHz)	Result B (mW/MHz)	Limit (mW/MHz)
DH5	2402	5.0	2.17	1.65	3
	2440	5.0	2.33	1.71	3
	2480	5.0	2.53	1.79	3
2DH5	2402	5.0	2.76	1.89	3
	2440	5.0	2.68	1.85	3
	2480	5.0	2.92	1.96	3
Conclusion: PASS					



Extreme voltage: +5.75V

Cable loss: 1.0dBi			Attenuator loss: 0dBi	Antenna Gain: -0.58dBi	
Mode	Frequency (MHz)	Voltage (DC)	Reding (dBm/MHz)	Result B (mW/MHz)	Limit (mW/MHz)
DH5	2402	5.75	2.19	1.66	3
	2440	5.75	2.28	1.69	3
	2480	5.75	2.49	1.77	3
2DH5	2402	5.75	2.81	1.91	3
	2440	5.75	2.82	1.91	3
	2480	5.75	3.06	2.02	3
Conclusion: PASS					

Extreme voltage: +4.0V

Cable loss: 1.0dBi			Attenuator loss: 0dBi	Antenna Gain: -0.58dBi	
Mode	Frequency (MHz)	Voltage (DC)	Reding (dBm/MHz)	Result B (mW/MHz)	Limit (mW/MHz)
DH5	2402	4.0	2.14	1.64	3
	2440	4.0	2.32	1.71	3
	2480	4.0	2.51	1.78	3
2DH5	2402	4.0	2.69	1.86	3
	2440	4.0	2.79	1.90	3
	2480	4.0	3.1	2.04	3
Conclusion: PASS					



3.2 Tolerances for Antenna Power

3.2.1 Test condition

Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.2.2 Limit (ARIB STD-T66, Clause 3.2 (3))

Upper and lower limits of the tolerance for antenna power shall be 20% and 80%, respectively. Note that they represent the tolerance for the maximum rated antenna power and that no upper and lower limits of the tolerance are regulated in the case of antenna power reduction for communications reasons.

3.2.3 Test result

Normal voltage: +5.0V

Cable loss: 1.0dBi		Attenuator loss: 0dBi		Antenna Gain: -0.58dBi	
Mode	Frequency (MHz)	Declared Output Power (mW/MHz)	Output Power (mW/MHz)	Tolerances (%)	Limit
DH5	2402	3.0	1.65	-45.00	+20% to -80%
	2440	3.0	1.71	-43.00	+20% to -80%
	2480	3.0	1.79	-40.33	+20% to -80%
2DH5	2402	3.0	1.89	-37.00	+20% to -80%
	2440	3.0	1.85	-38.33	+20% to -80%
	2480	3.0	1.96	-34.67	+20% to -80%
Conclusion: PASS					



Extreme voltage: +4.0V

Cable loss: 1.0dBi		Attenuator loss: 0dBi		Antenna Gain: -0.58dBi	
Mode	Frequency (MHz)	Declared Output Power (mW/MHz)	Output Power (mW/MHz)	Tolerances (%)	Limit
DH5	2402	3.0	1.64	-45.33	+20% to -80%
	2440	3.0	1.71	-43.00	+20% to -80%
	2480	3.0	1.78	-40.67	+20% to -80%
2DH5	2402	3.0	1.86	-38.00	+20% to -80%
	2440	3.0	1.90	-36.67	+20% to -80%
	2480	3.0	2.04	-32.00	+20% to -80%
Conclusion: PASS					

Extreme voltage: +5.75V

Cable loss: 1.0dBi		Attenuator loss: 0dBi		Antenna Gain: -0.58dBi	
Mode	Frequency (MHz)	Declared Output Power (mW/MHz)	Output Power (mW/MHz)	Tolerances (%)	Limit
DH5	2402	3.0	1.66	-44.67	+20% to -80%
	2440	3.0	1.69	-43.67	+20% to -80%
	2480	3.0	1.77	-41.00	+20% to -80%
2DH5	2402	3.0	1.91	-36.33	+20% to -80%
	2440	3.0	1.91	-36.33	+20% to -80%
	2480	3.0	2.02	-32.67	+20% to -80%
Conclusion: PASS					

Note: Deviation = (Output power – Declared Output Power) / Declared Output Power * 100%



3.3 Frequency Tolerance

3.3.1 Test condition

Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.3.2 Limit (ARIB STD-T66, Clause 3.2 (4))

Tolerance of frequency: $\pm 50 \times 10^{-6}$.

3.3.3 Test Result

Test Frequency (MHz)	Voltage (DC)	Result (MHz)	Tolerance (kHz)	Tolerance (ppm)	Limit (ppm)
2402	5.75	2402.0098	9.8	4.08	± 50
	5.0	2402.0098	9.8	4.08	± 50
	4.0	2402.0098	9.8	4.08	± 50
2441	5.75	2441.0098	9.8	4.01	± 50
	5.0	2441.0098	9.8	4.01	± 50
	4.0	2441.0098	9.8	4.01	± 50
2480	5.75	2480.0101	10.1	4.07	± 50
	5.0	2480.0101	10.1	4.07	± 50
	4.0	2480.0101	10.1	4.07	± 50
Conclusion: PASS					



3.4 Occupied Frequency Bandwidth

3.4.1 Test condition

Channel:	Hopping
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.4.2 Limit (ARIB STD-T66, Clause 3.2 (7))

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.

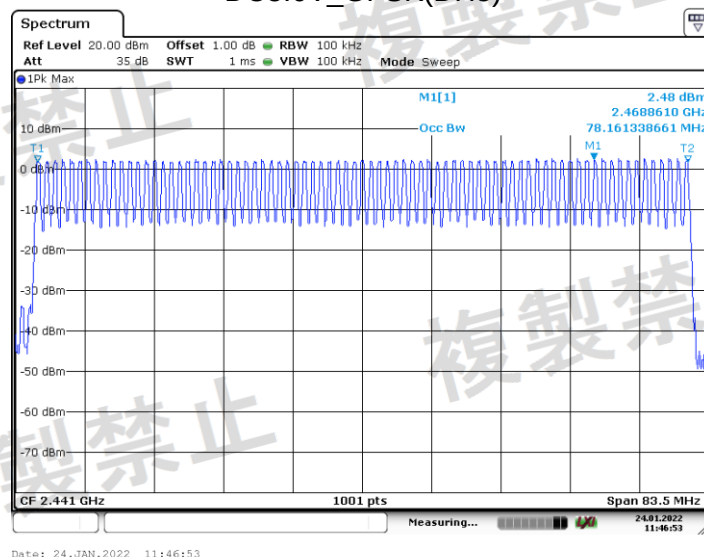
3.4.3 Test Result

Modulation type	Voltage (DC/V)	Channel	Result (MHz)	Limit (MHz)
DH5	5.0	Hop	78.161	<83.5MHz
2DH5	5.0	Hop	78.328	<83.5MHz
DH5	4.0	Hop	78.078	<83.5MHz
2DH5	4.0	Hop	78.328	<83.5MHz
DH5	5.75	Hop	78.078	<83.5MHz
2DH5	5.75	Hop	78.245	<83.5MHz
Conclusion: PASS				

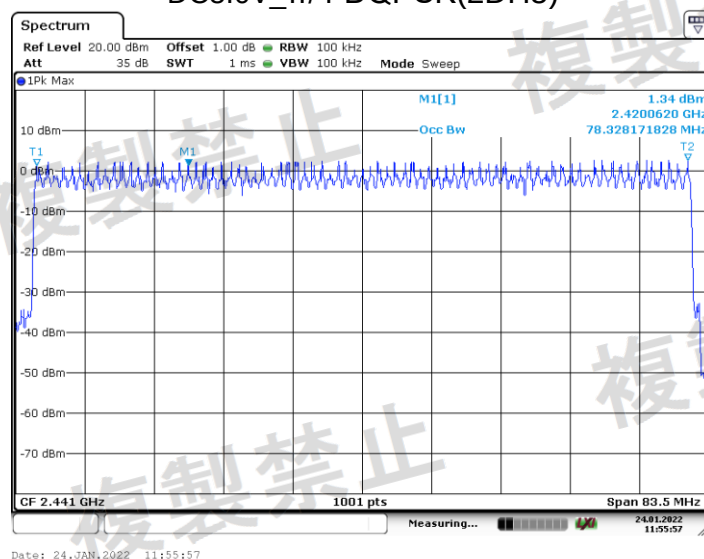


Plot:

DC5.0V_GFSK(DH5)

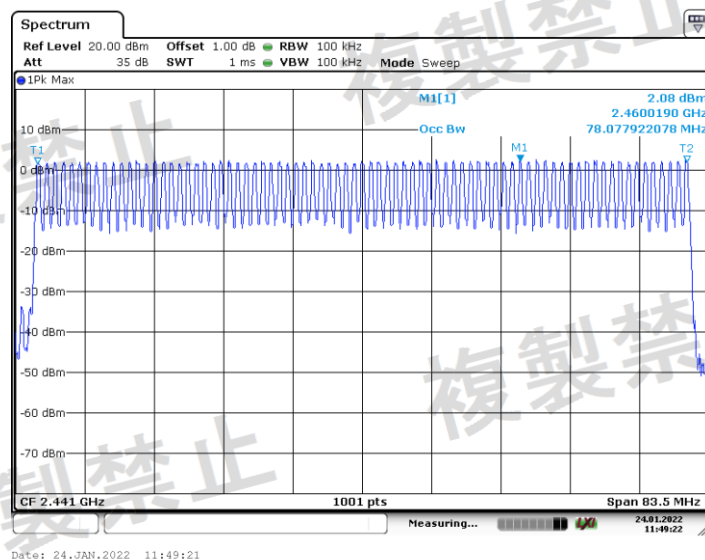


DC5.0V_π/4 DQPSK(2DH5)

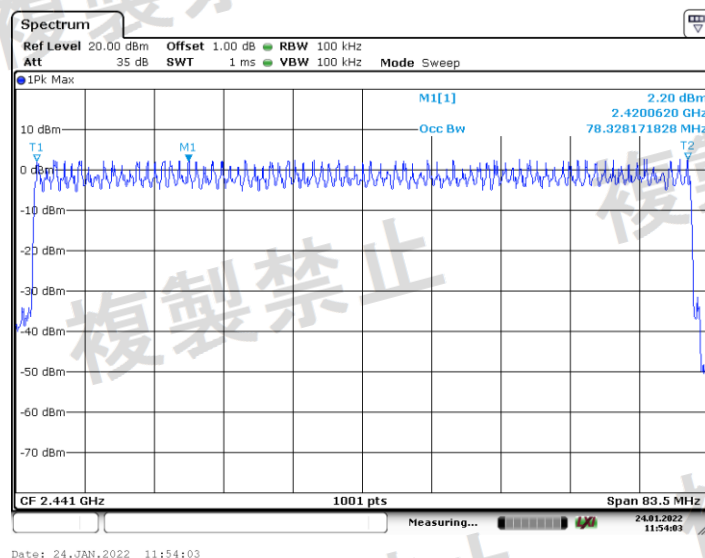




DC4.0V_GFSK(DH5)

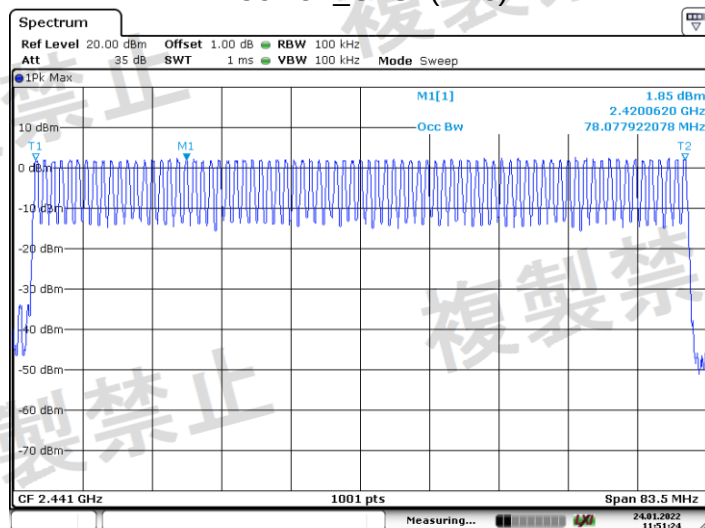


DC4.0V_π/4 DQPSK(2DH5)



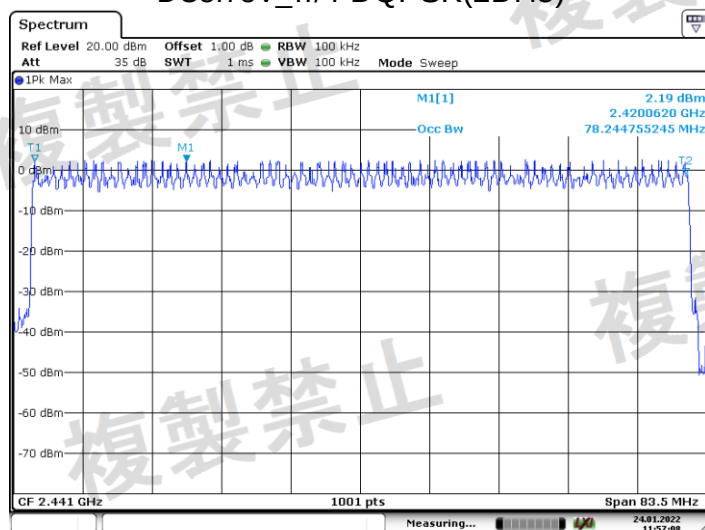


DC5.75V_GFSK(DH5)



Date: 24.JAN.2022 11:51:23

DC5.75V_π/4 DQPSK(2DH5)



Date: 24.JAN.2022 11:57:08



3.5 Spread Bandwidth

3.5.1 Test condition

Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.5.2 Limit (ARIB STD-T66, Clause 3.2 (8))

In spread spectrum systems, spread bandwidth (which refers to a frequency bandwidth with an upper limit and lower limit such that each of the mean powers radiated above the upper frequency limit and below the lower frequency limit is equal to 5 % of the total mean power radiated; this also applies hereafter) shall be 500 kHz or more

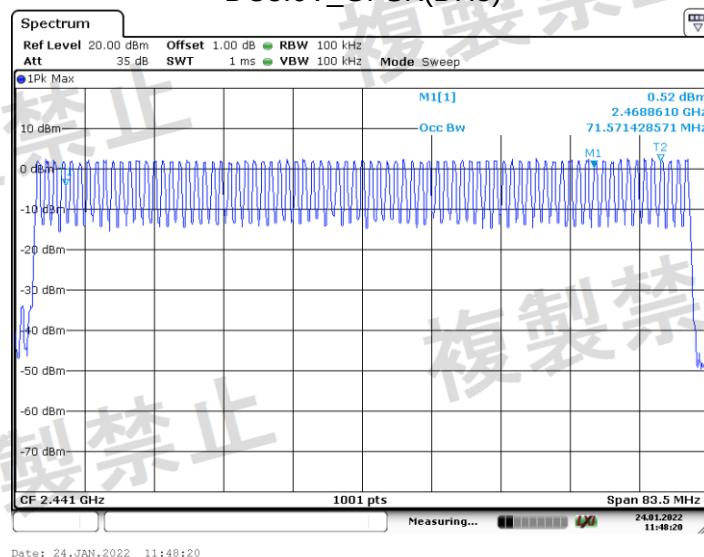
3.5.3 Test Result

Modulation type	Voltage (DC/V)	Channel	Result (MHz)	Limit (KHz)
DH5	5.0	Hop	71.571	> 500
2DH5	5.0	Hop	70.904	> 500
DH5	4.0	Hop	71.071	> 500
2DH5	4.0	Hop	70.988	> 500
DH5	5.75	Hop	71.071	> 500
2DH5	5.75	Hop	71.071	> 500
Conclusion: PASS				

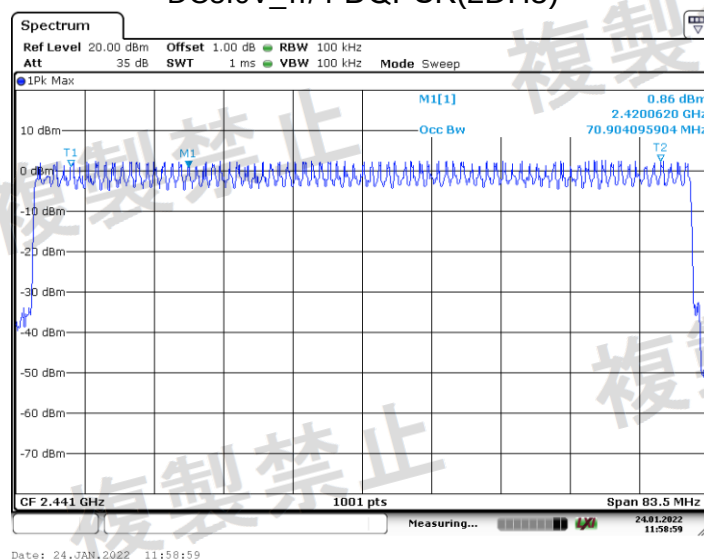


Plot:

DC5.0V_GFSK(DH5)

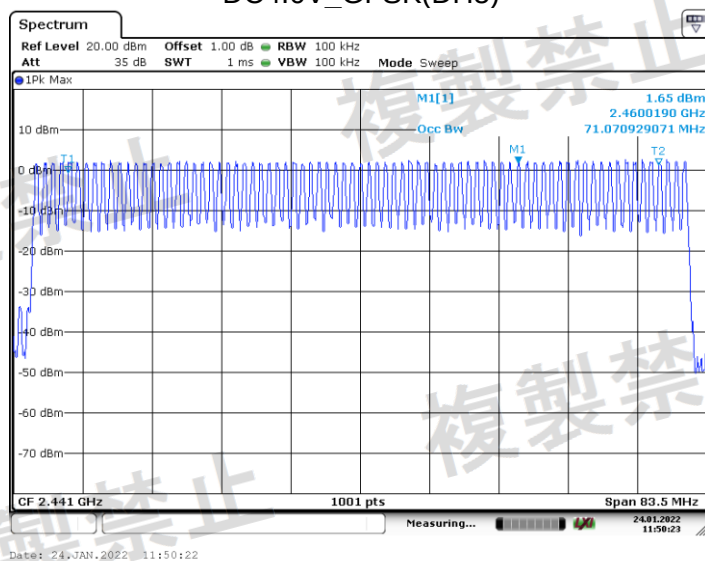


DC5.0V_π/4 DQPSK(2DH5)

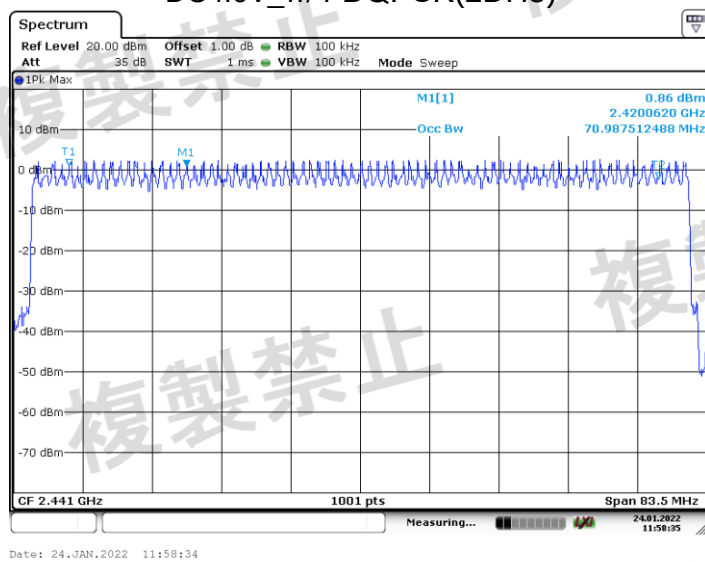




DC4.0V_GFSK(DH5)

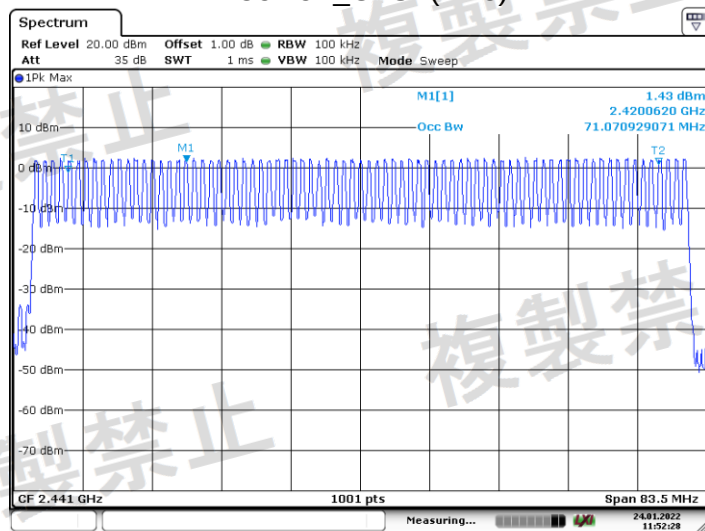


DC4.0V_π/4 DQPSK(2DH5)



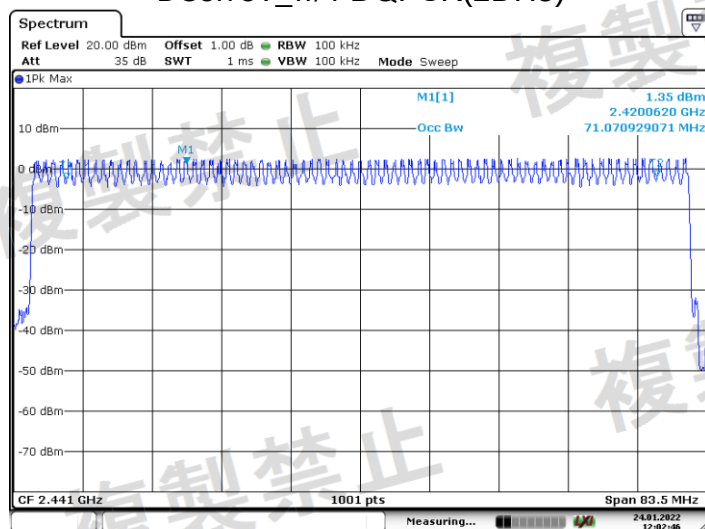


DC5.75V_GFSK(DH5)



Date: 24.JAN.2022 11:52:27

DC5.75V_π/4 DQPSK(2DH5)



Date: 24.JAN.2022 12:02:46



3.6 Process gain

3.6.1 Test condition

Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.6.2 Limit (ARIB STD-T66, Clause 3.2 (9))

Process gain (value obtained by dividing the spread bandwidth by a frequency equal to the transmission rate of the modulation signal; this also applies hereafter) in the spread spectrum system shall be 5 or more.

3.6.3 Test Result

GFSK:

Spread Bandwidth(MHz)	Symbol rate (Mbps)	Process gain	Limit
71.571	1	71.571	>5

$\pi/4$ DQPSK:

Spread Bandwidth(MHz)	Symbol rate (Mbps)	Process gain	Limit
70.904	2	35.452	>5

Note: Process gain = Spread bandwidth / Transmission rate



3.7 Interference prevention function

3.7.1 Test condition

Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.7.2 Limit

Item	Limits
Identification Code	≥48 bits

Measured Result:

Test Conditions	Operation Frequency		
	2402 MHz	2441MHz	2480 MHz
Normal Voltage (5.0V)	48	48	48
Extreme Voltage (5.75V)	48	48	48
Extreme Voltage (4.0V)	48	48	48

3.7.3 Result

The equipment met the requirement of this clause



3.8 Dwell Time

3.8.1 Test condition

Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.8.2 Limit (ARIB STD-T66, Clause 3.2 (11))

Frequency dwell time (time during which radio waves continue to be emitted at a specified frequency) of a transmitting equipment using the FH system shall be 0.4 seconds or less.



3.8.3 Test Result

TestCondition	TestMode	Channel	BurstWidth	Period	Result	Limit	Verdict
DC5.0V	DH5	2402	2.86	6.21	0.17	0.4	PASS
		2441	2.86	6.21	0.17	0.4	PASS
		2480	2.85	6.21	0.17	0.4	PASS
	2DH5	2402	2.86	6.22	0.08	0.4	PASS
		2441	2.86	6.23	0.08	0.4	PASS
		2480	2.86	6.21	0.08	0.4	PASS
DC4.0V	DH5	2402	2.86	6.21	0.17	0.4	PASS
		2441	2.86	6.21	0.17	0.4	PASS
		2480	2.86	6.22	0.17	0.4	PASS
	2DH5	2402	2.85	6.21	0.08	0.4	PASS
		2441	2.86	6.21	0.08	0.4	PASS
		2480	2.86	6.21	0.08	0.4	PASS
DC5.75V	DH5	2402	2.86	6.21	0.17	0.4	PASS
		2441	2.86	6.21	0.17	0.4	PASS
		2480	2.86	6.21	0.17	0.4	PASS
	2DH5	2402	2.86	6.21	0.08	0.4	PASS
		2441	2.85	6.21	0.08	0.4	PASS
		2480	2.85	6.21	0.08	0.4	PASS

Note:

Dwell time = $(0.4(s) \times [\text{spreading rate}] \times [\text{Transmission time of 1 burst(s)}]) / ([\text{burst cycle(s)}] \times [\text{No. of hopping channel}])$

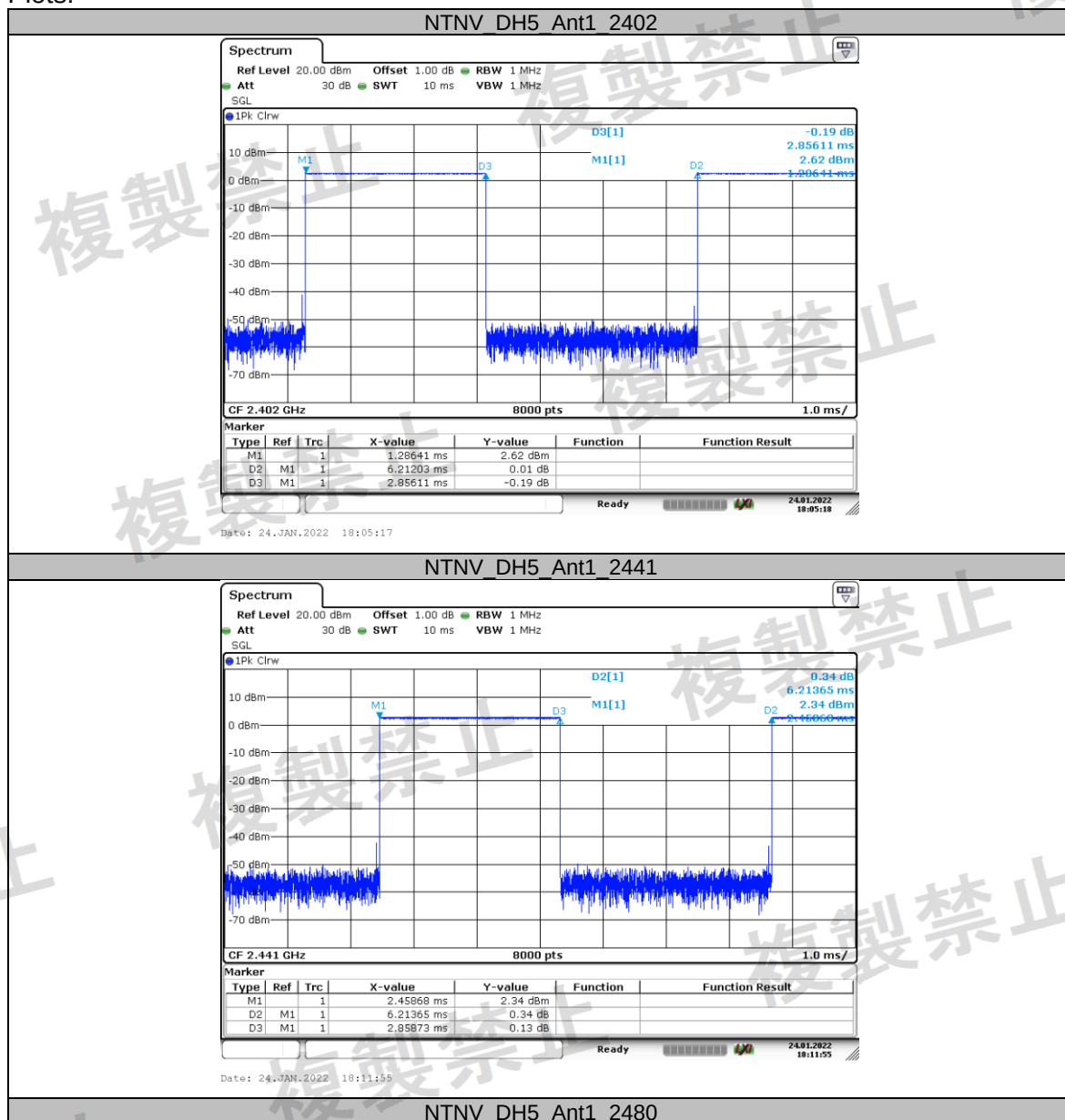
Note:

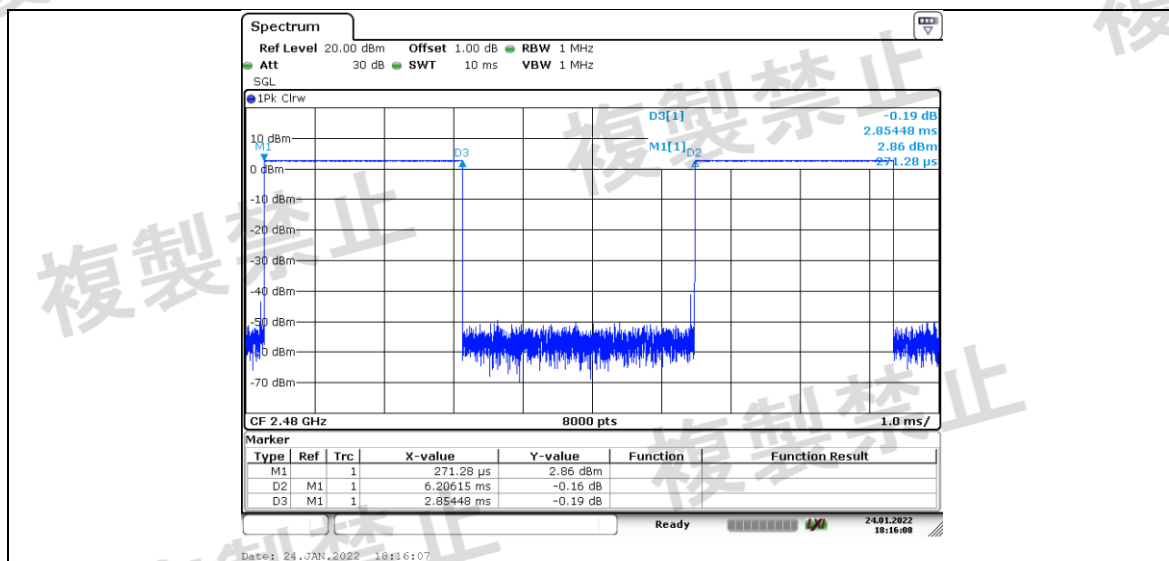
* Spreading rate = $[\text{Spread bandwidth (actual measurement value)}] / [\text{Transmission rate}]$

**Transmission rate is 1.0Msps for Bluetooth equipment

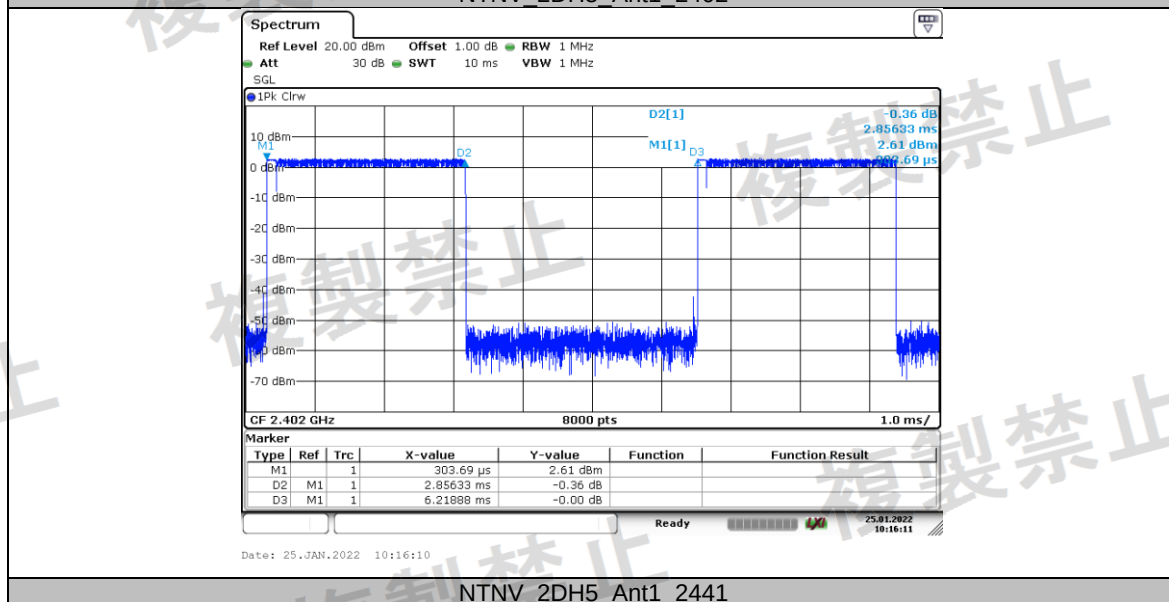


Plots:

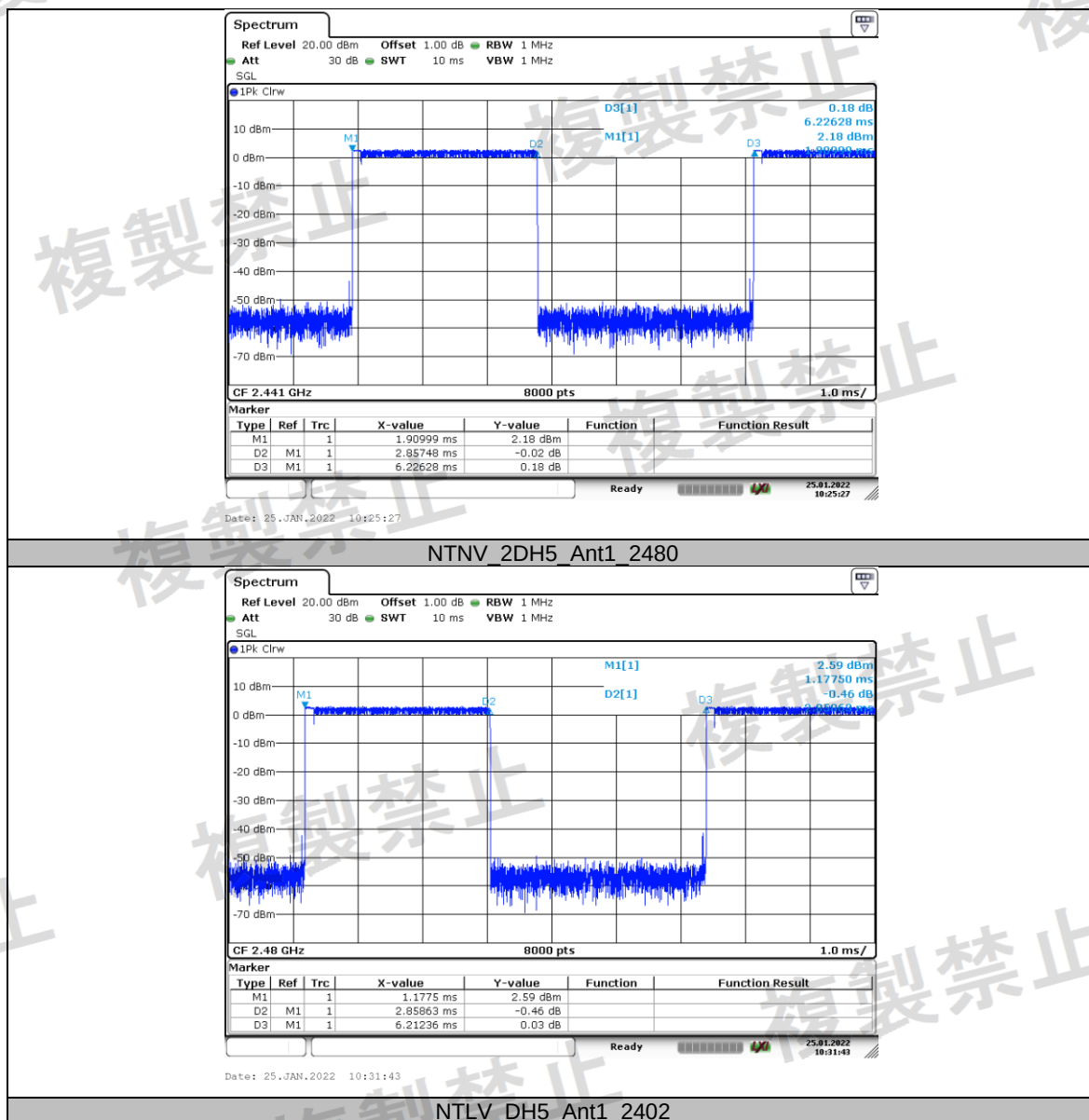


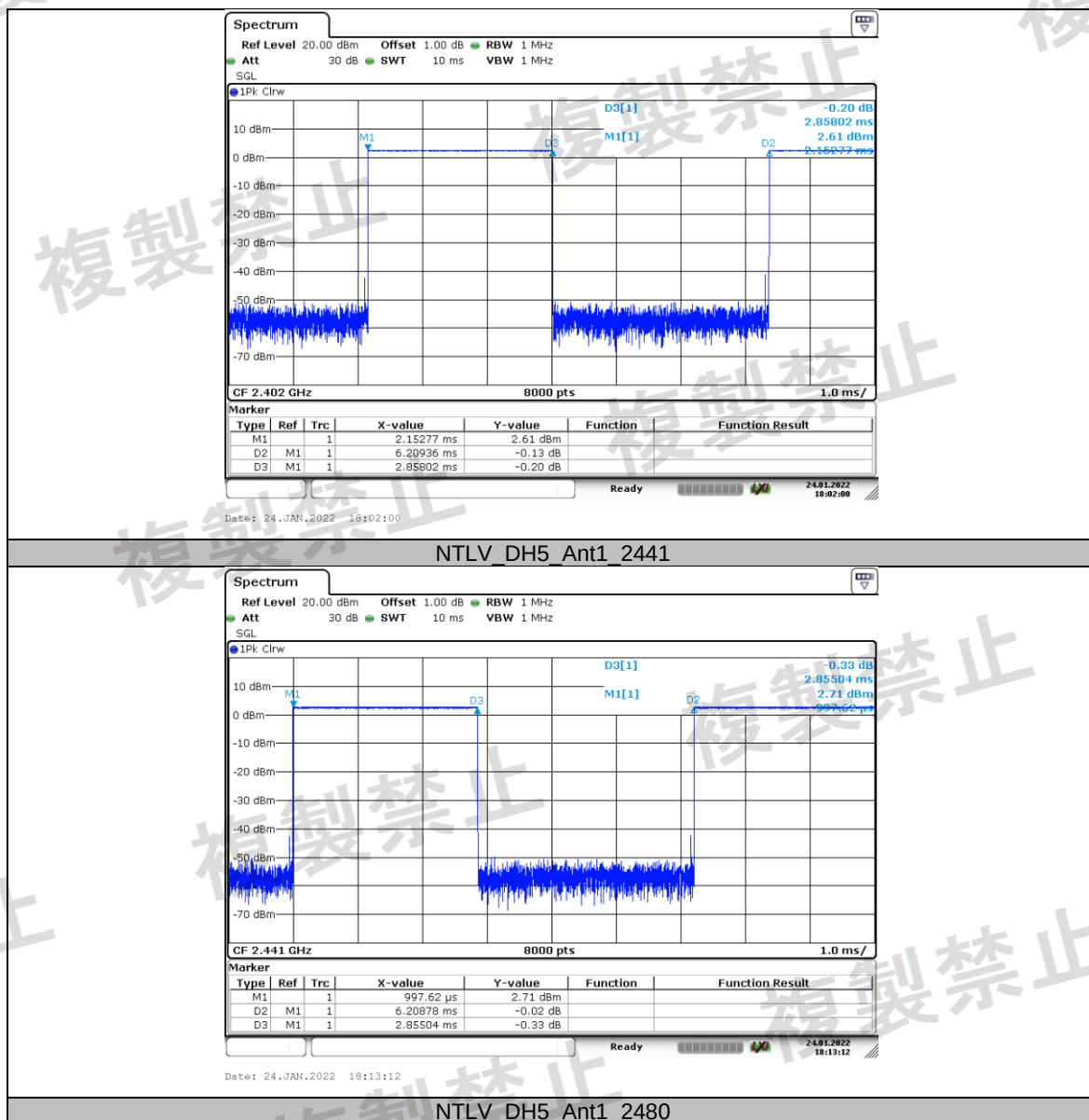


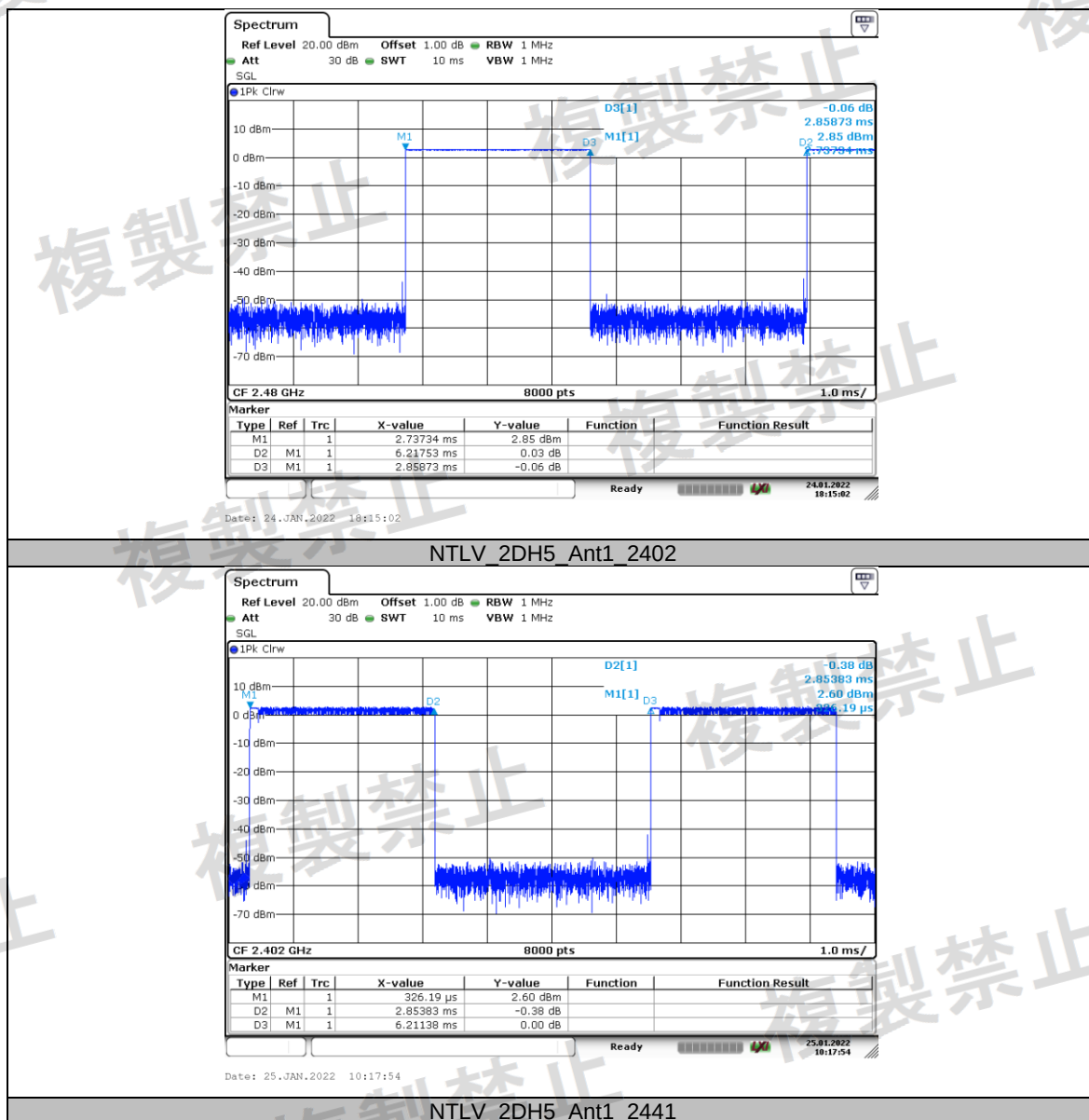
NTNV_2DH5_Ant1_2402

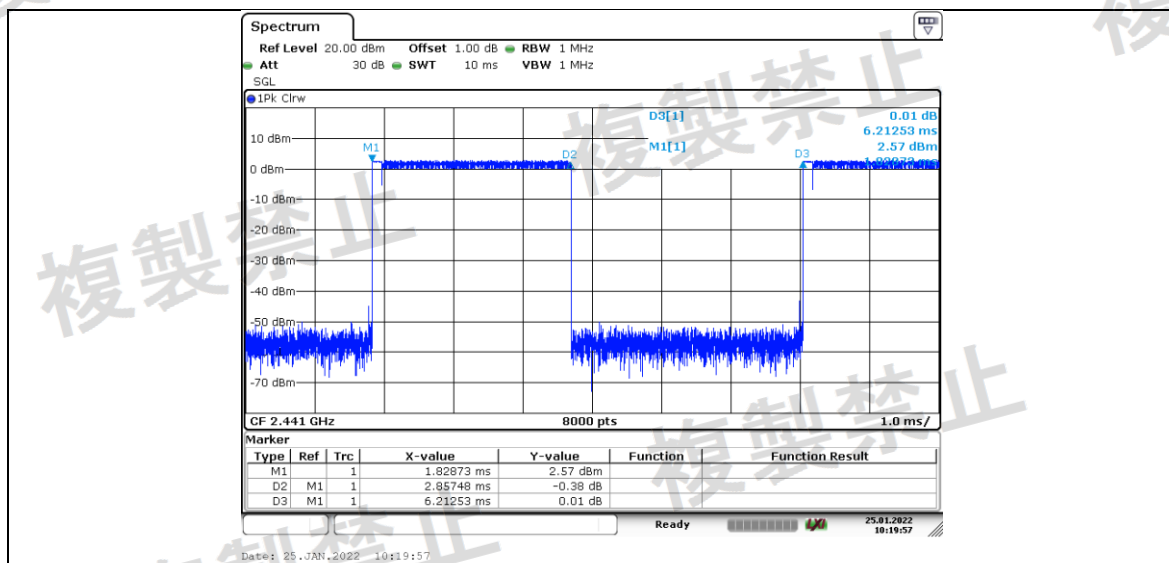


NTNV_2DH5_Ant1_2441

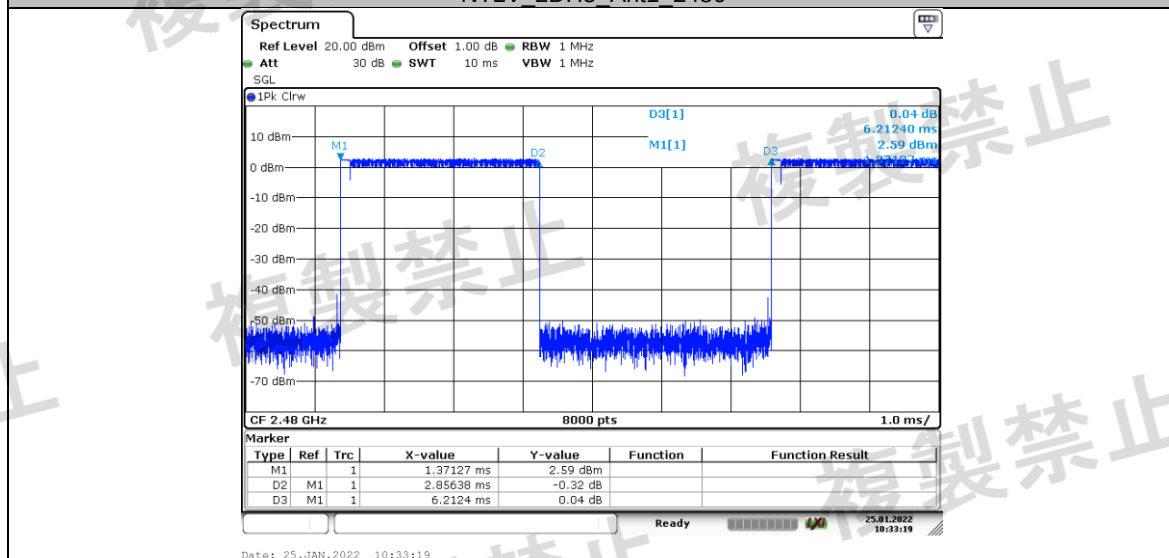




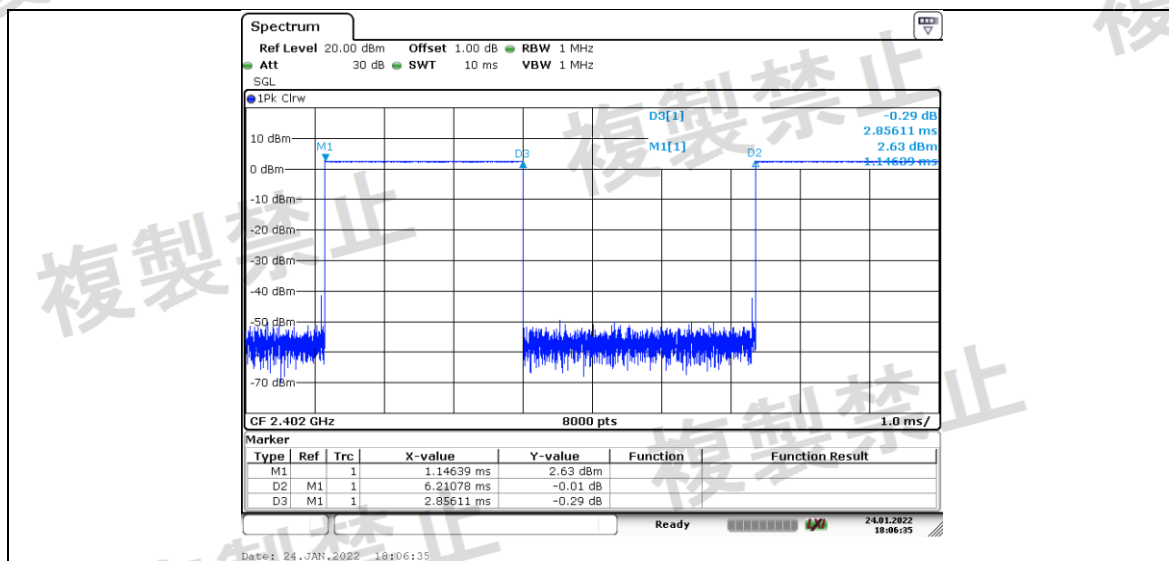




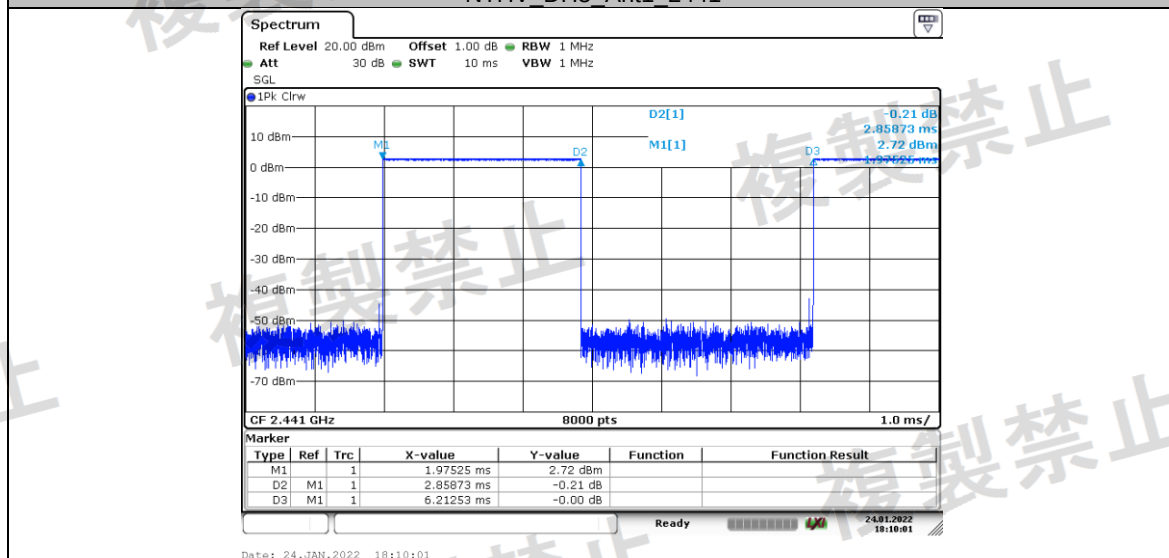
NTLV_2DH5_Ant1_2480



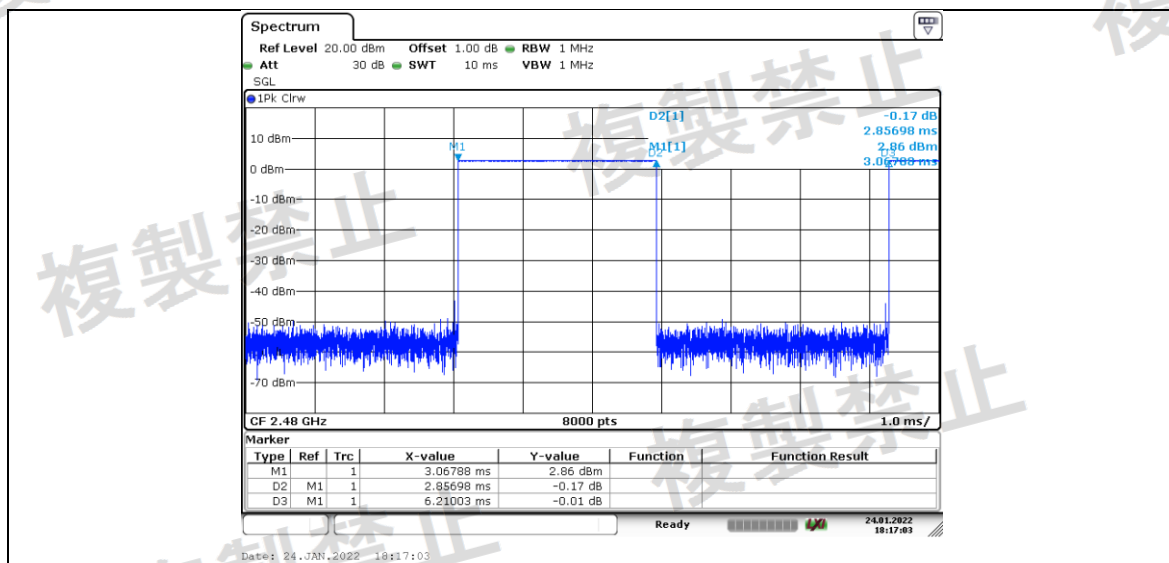
NTHV_DH5_Ant1_2402



NTHV_DH5_Ant1_2441



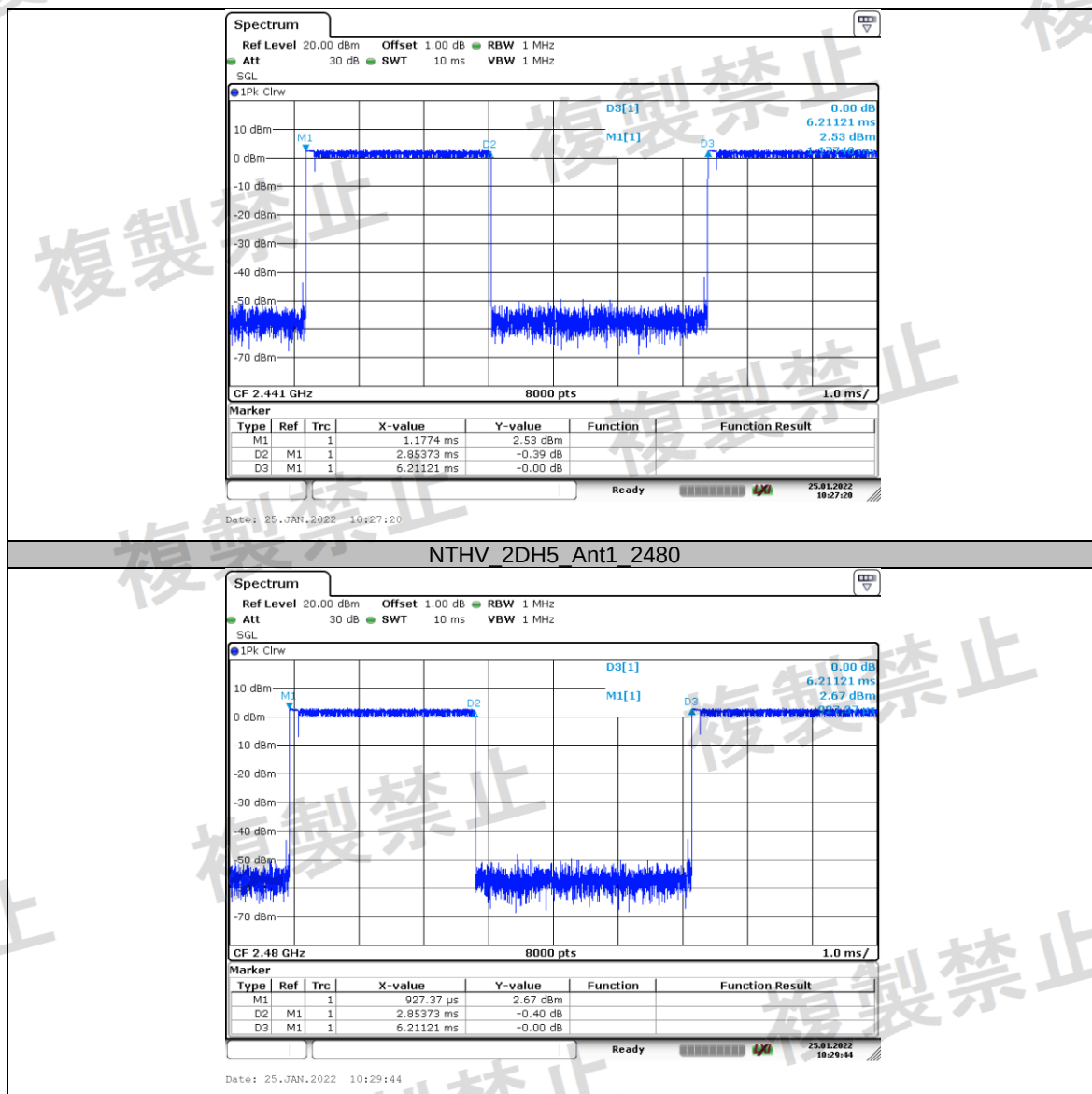
NTHV_DH5_Ant1_2480



NTHV_2DH5_Ant1_2402



NTHV_2DH5_Ant1_2441





3.9 Transmitter Spurious Emissions (Conducted)

3.9.1 Test condition

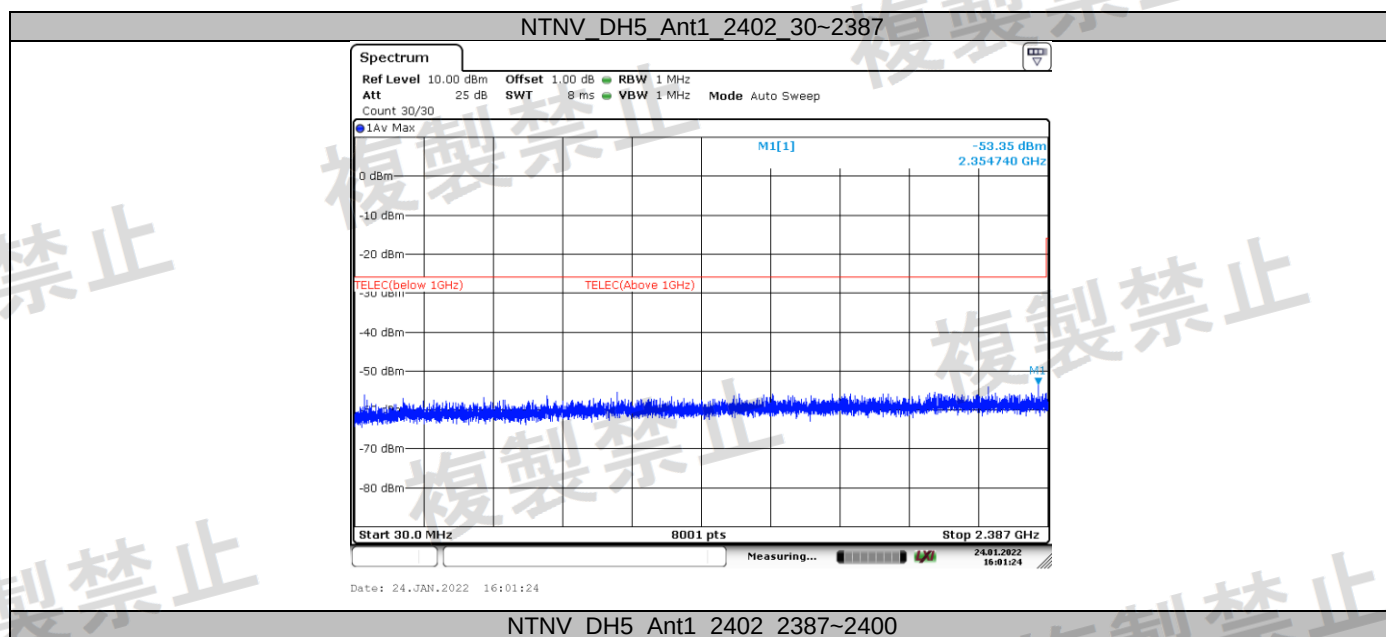
Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Transmitting
Ambient temperature:	24.6 °C
Relative humidity:	50 %

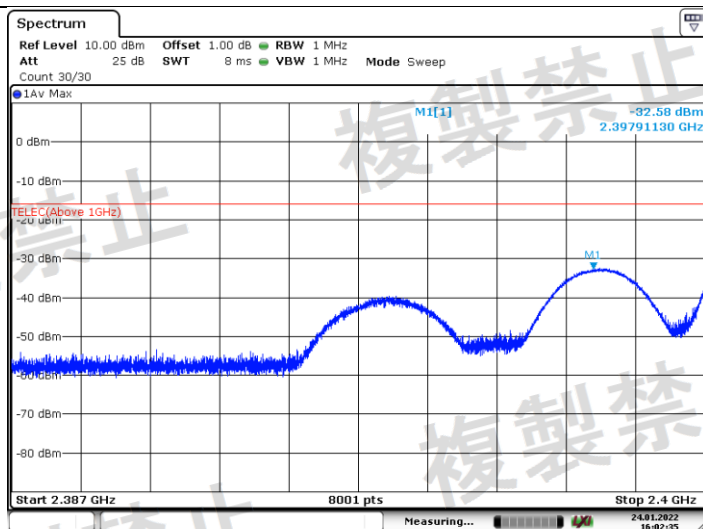
3.9.2 Limit (ARIB STD-T66, Clause 3.2 (6))

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:

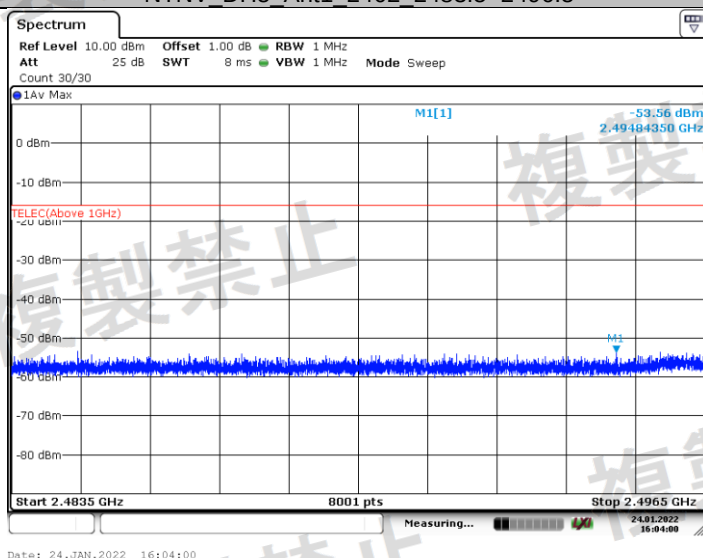
- $2,387\text{MHz} \leq f \leq 2,400\text{MHz}$ and $2,483.5\text{MHz} < f \leq 2,496.5\text{MHz}$, 25 μW or less
- $2,387\text{MHz} > f$ and $2,496.5\text{MHz} < f$ 2.5 μW or less

3.9.3 Test Result

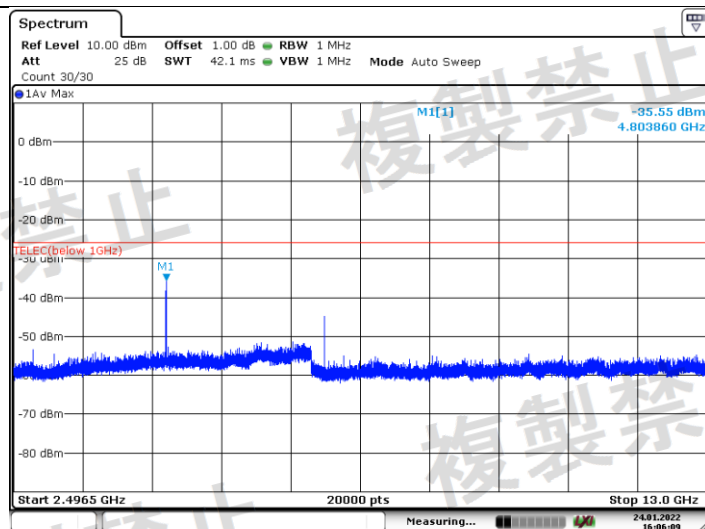




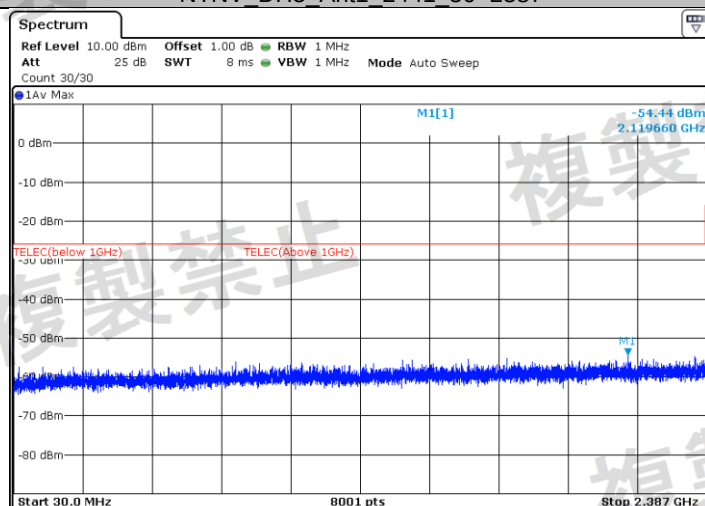
NTNV DH5 Ant1 2402 2483.5~2496.5



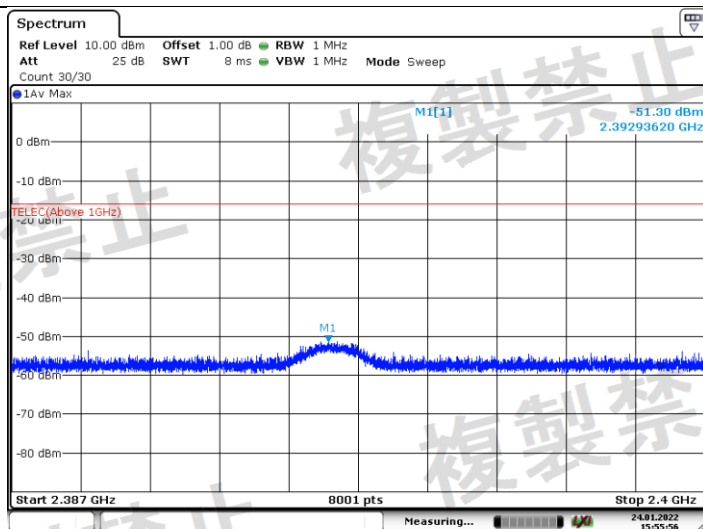
NTNV DH5 Ant1 2402 2496.5~13000



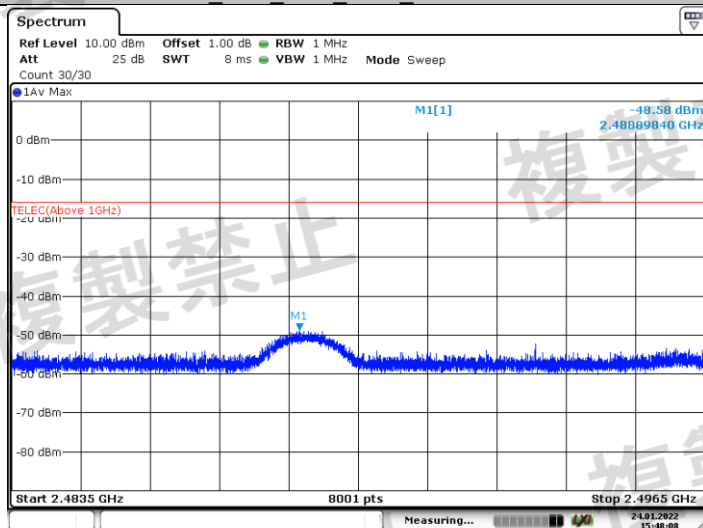
NTNV DH5 Ant1 2441 30~2387



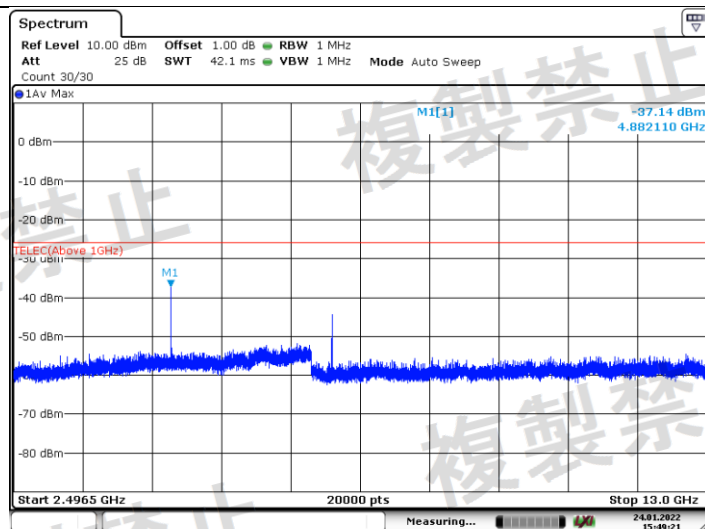
NTNV DH5 Ant1 2441 2387~2400



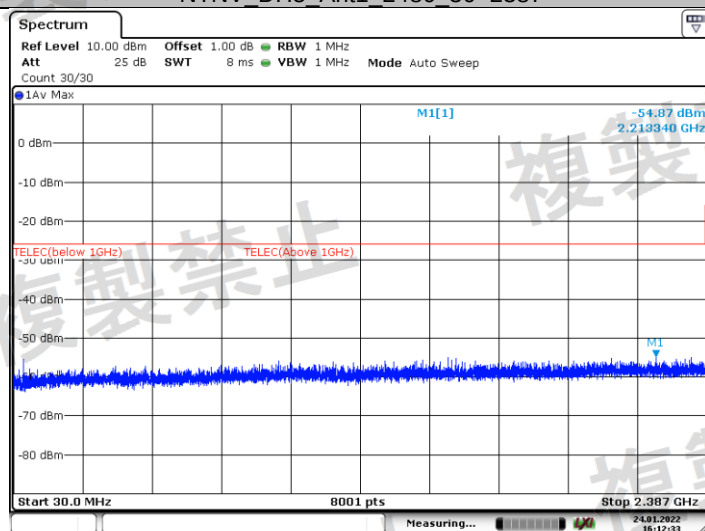
NTNV DH5 Ant1 2441 2483.5~2496.5



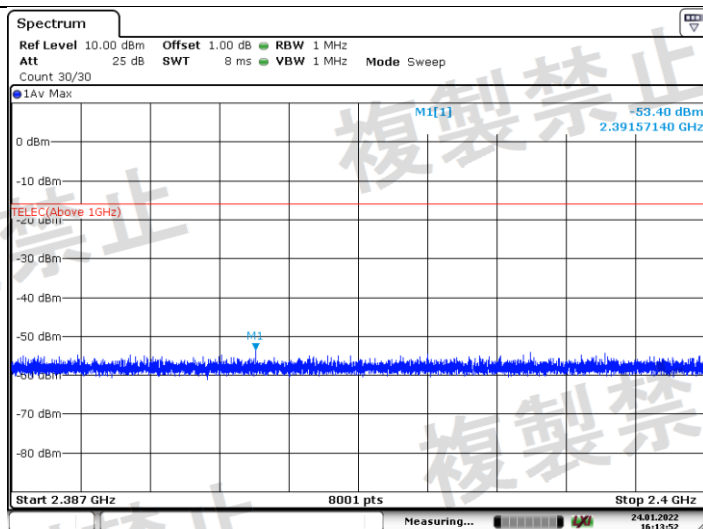
NTNV DH5 Ant1 2441 2496.5~13000



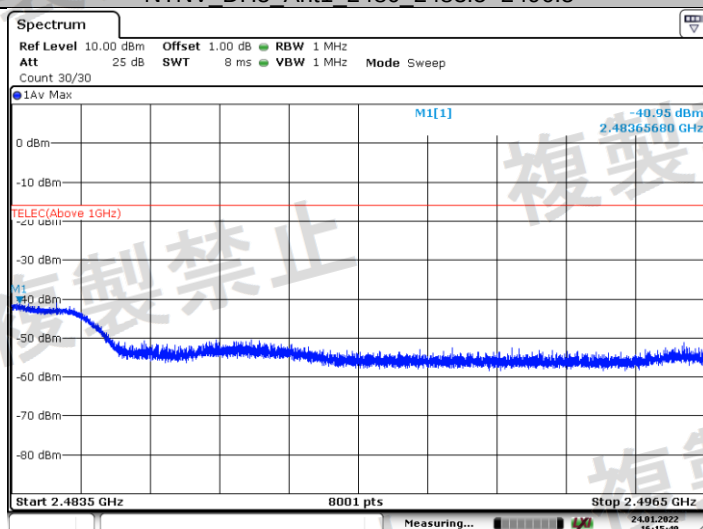
NTNV DH5 Ant1 2480 30~2387



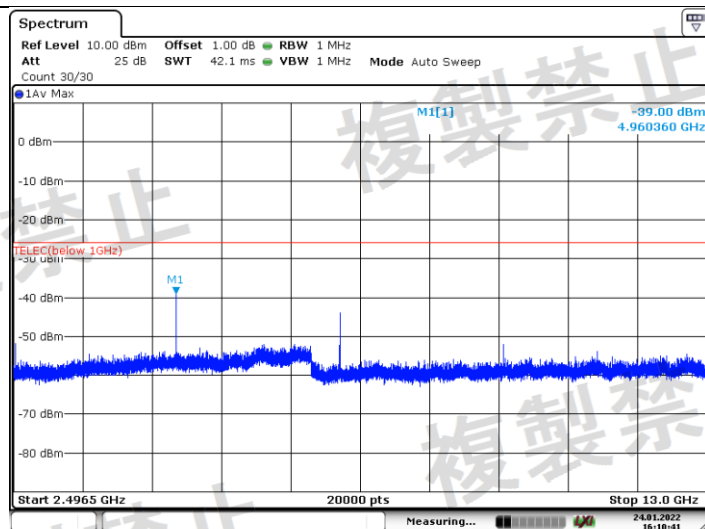
NTNV DH5 Ant1 2480 2387~2400



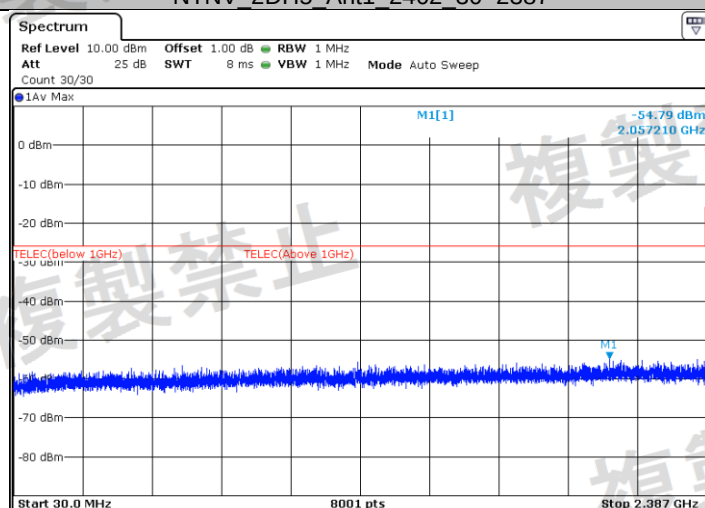
NTNV DH5 Ant1 2480 2483.5~2496.5



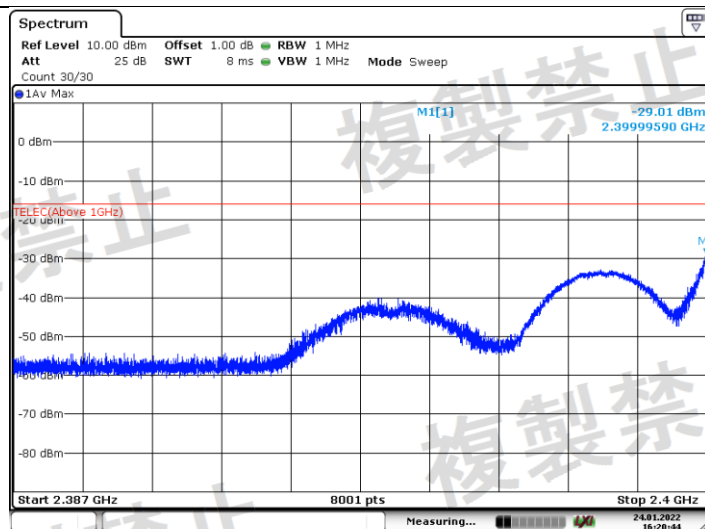
NTNV DH5 Ant1 2480 2496.5~13000



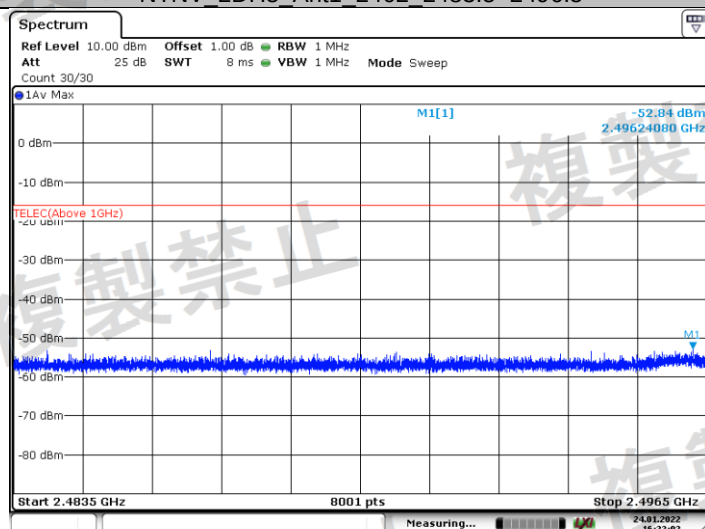
NTNV_2DH5_Ant1_2402_30~2387



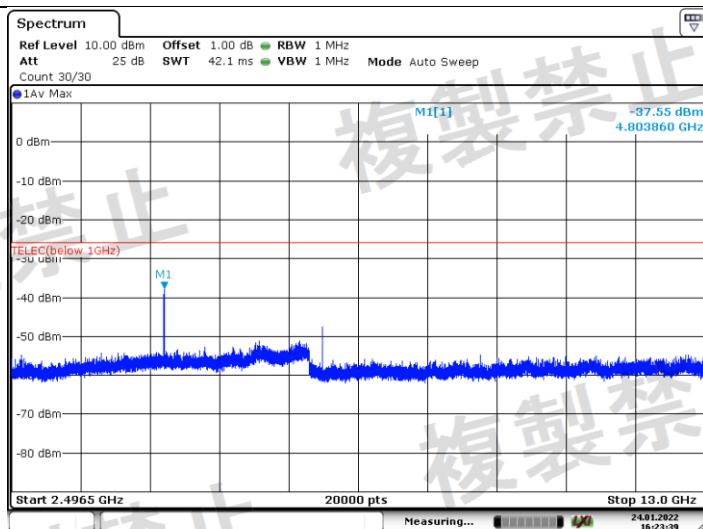
NTNV_2DH5_Ant1_2402_2387~2400



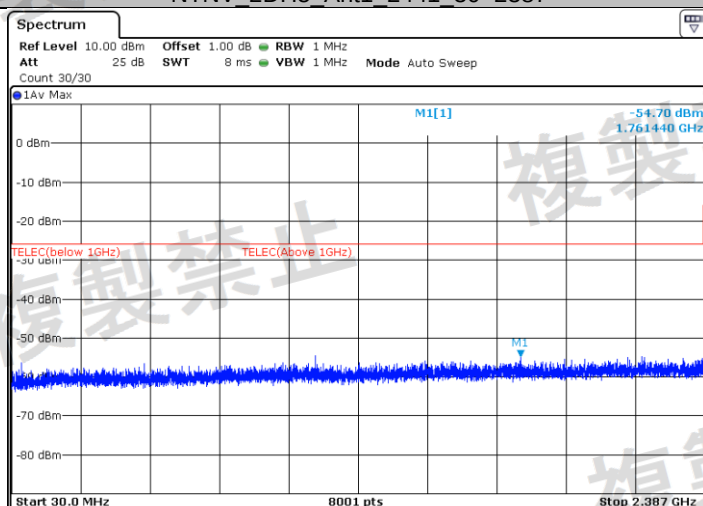
NTNV_2DH5_Ant1_2402_2483.5~2496.5



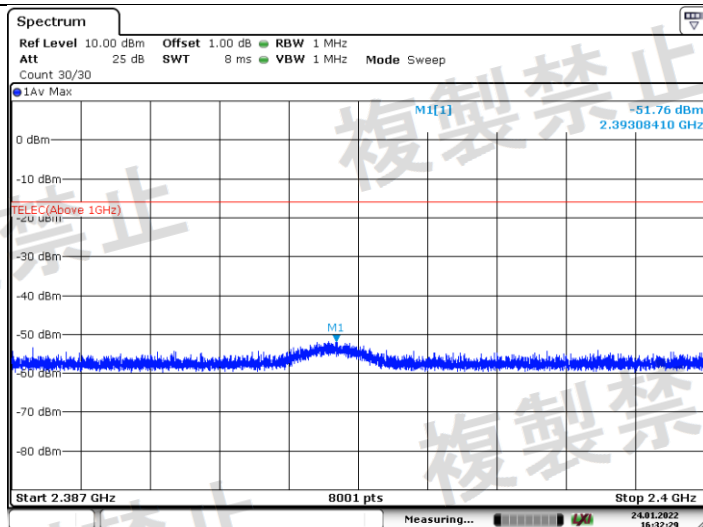
NTNV_2DH5_Ant1_2402_2496.5~13000



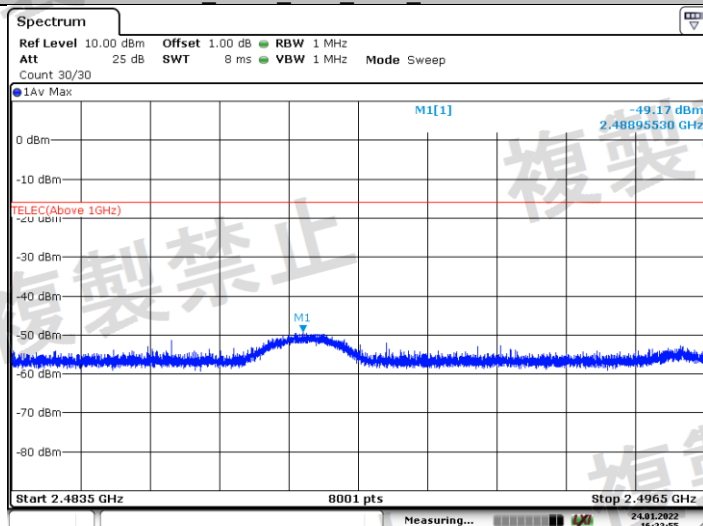
NTNV_2DH5_Ant1_2441_30~2387



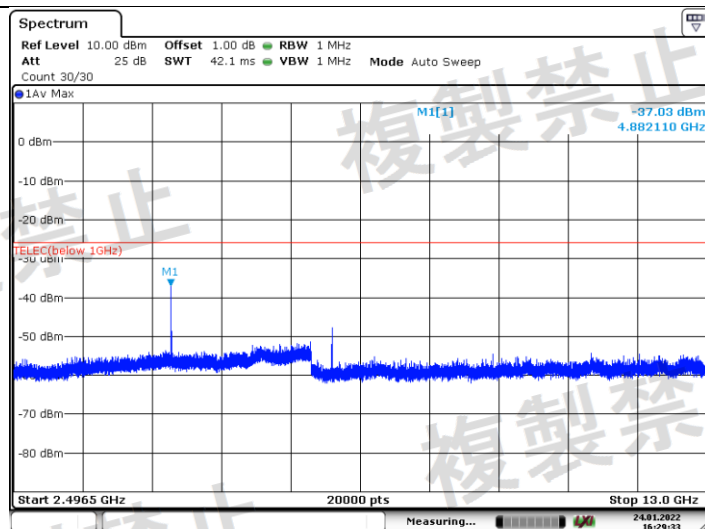
NTNV_2DH5_Ant1_2441_2387~2400



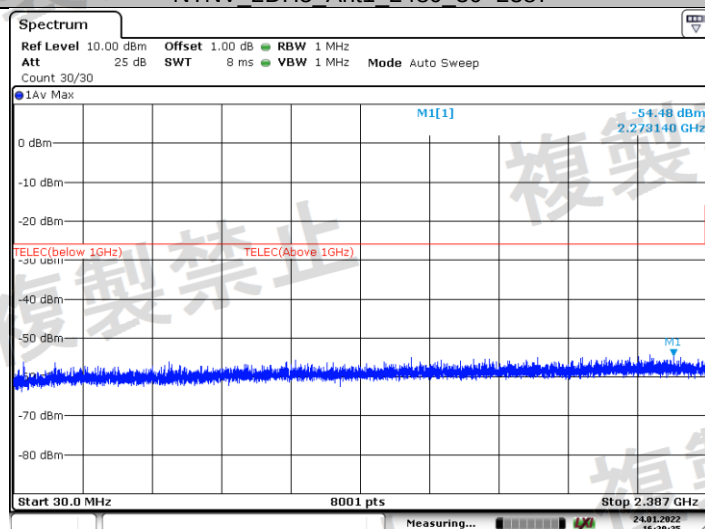
NTNV_2DH5_Ant1_2441_2483.5~2496.5



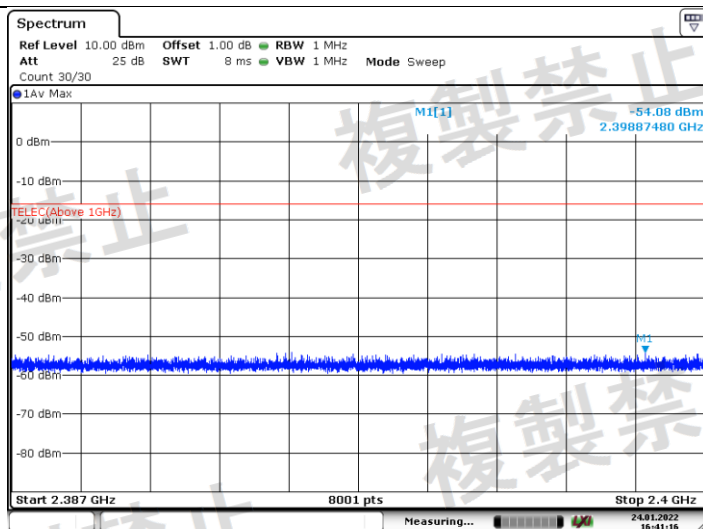
NTNV_2DH5_Ant1_2441_2496.5~13000



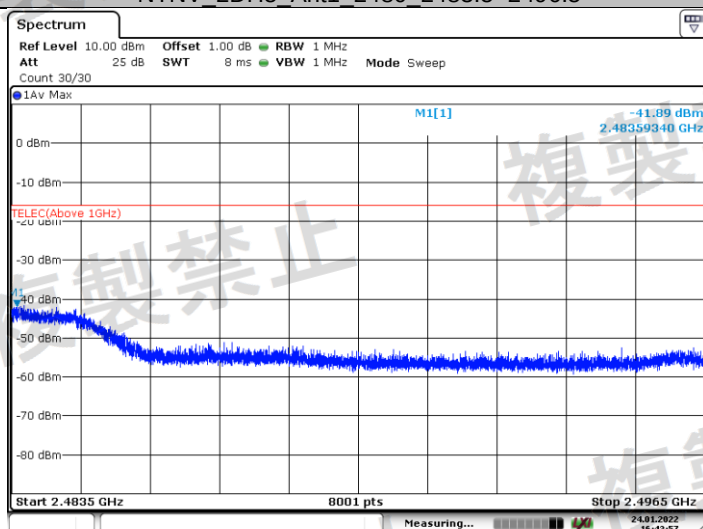
NTNV_2DH5_Ant1_2480_30~2387



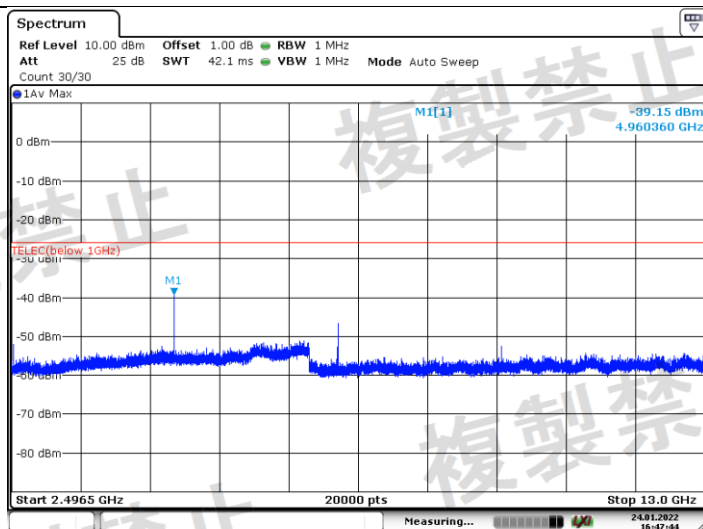
NTNV_2DH5_Ant1_2480_2387~2400



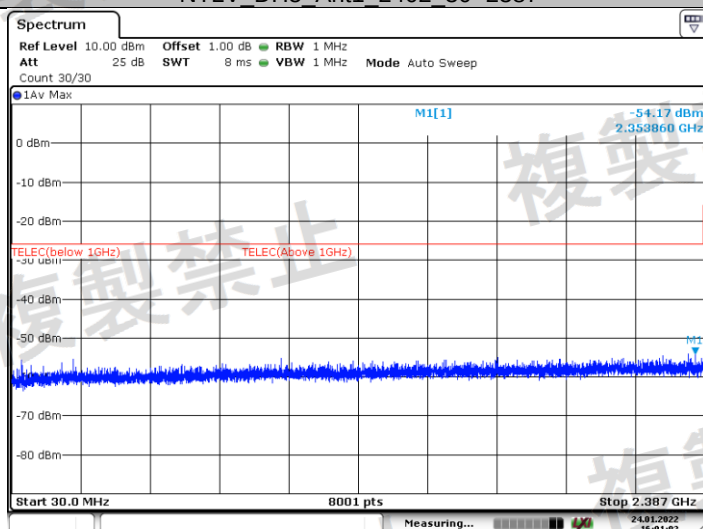
NTNV 2DH5 Ant1 2480 2483.5~2496.5



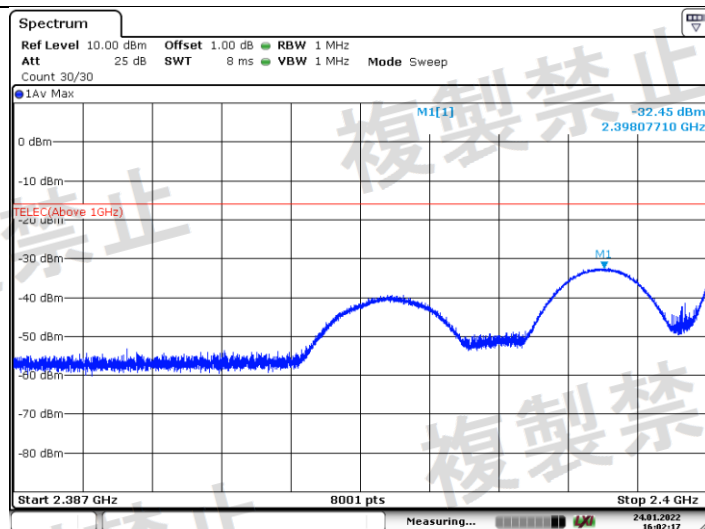
NTNV 2DH5 Ant1 2480 2496.5~13000



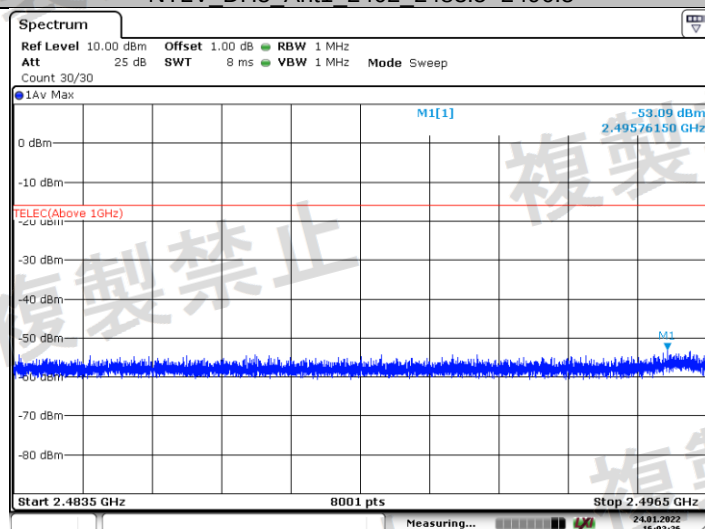
NTLV DH5 Ant1 2402 30~2387



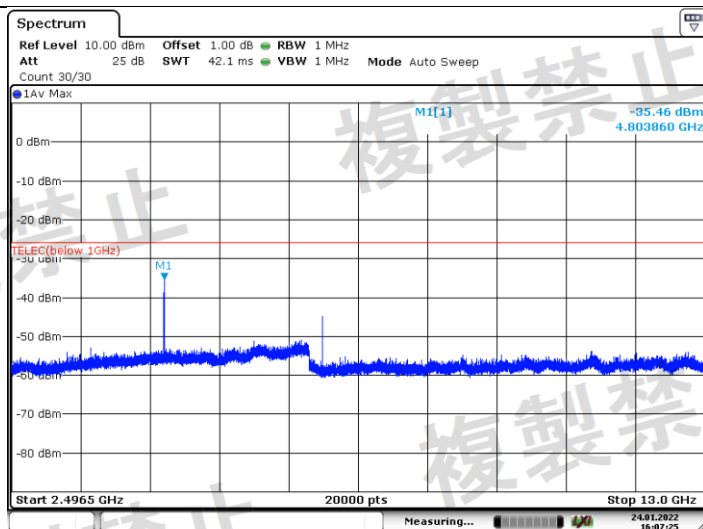
NTLV DH5 Ant1 2402 2387~2400



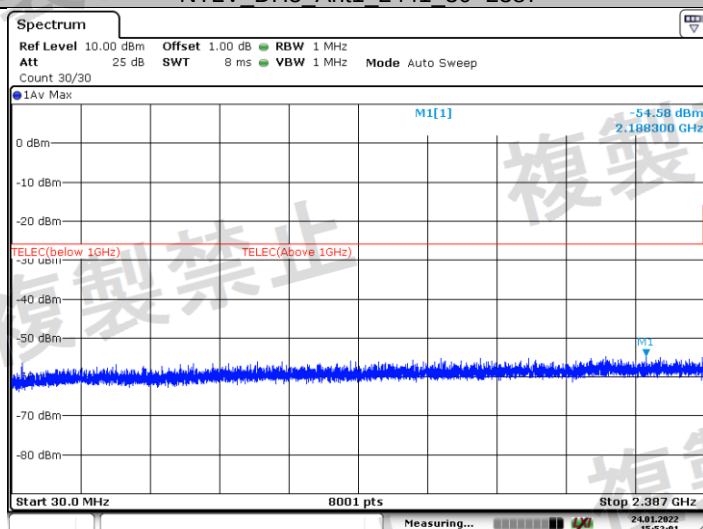
NTLV_DH5_Ant1_2402_2483.5~2496.5



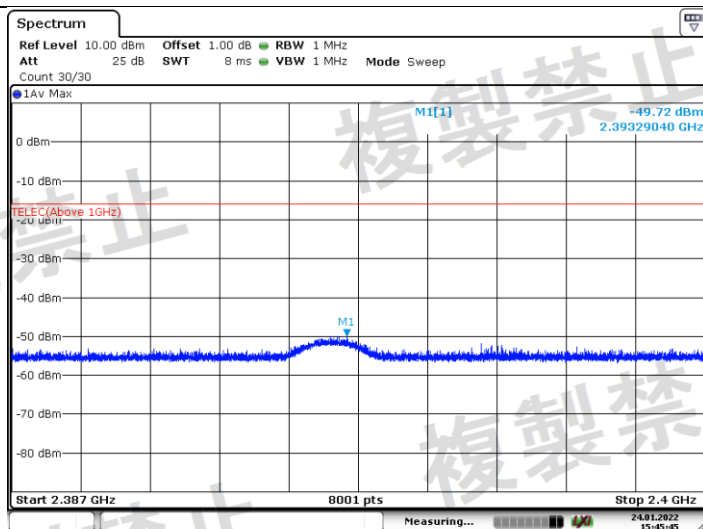
NTLV_DH5_Ant1_2402_2496.5~13000



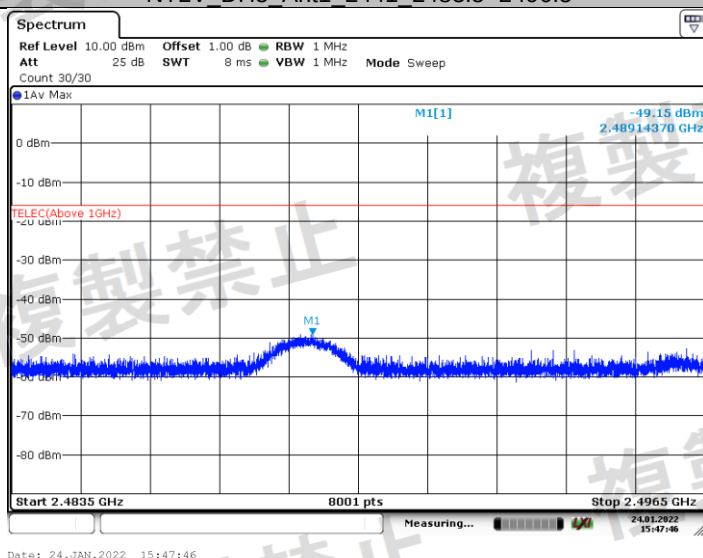
NTLV DH5 Ant1 2441 30~2387



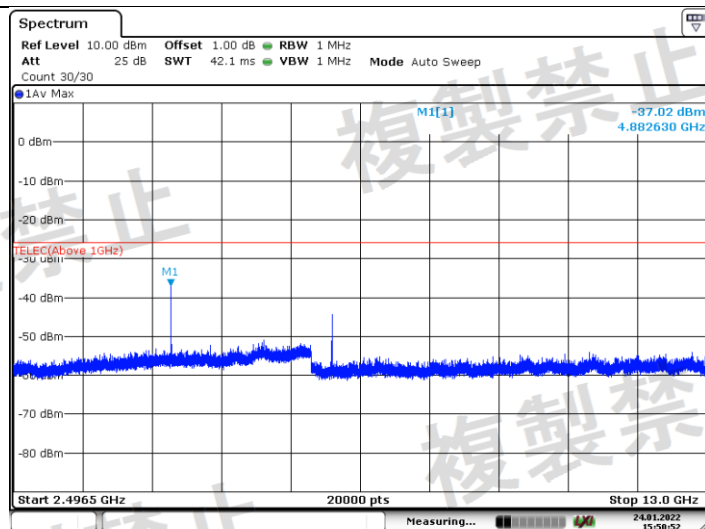
NTLV DH5 Ant1 2441 2387~2400



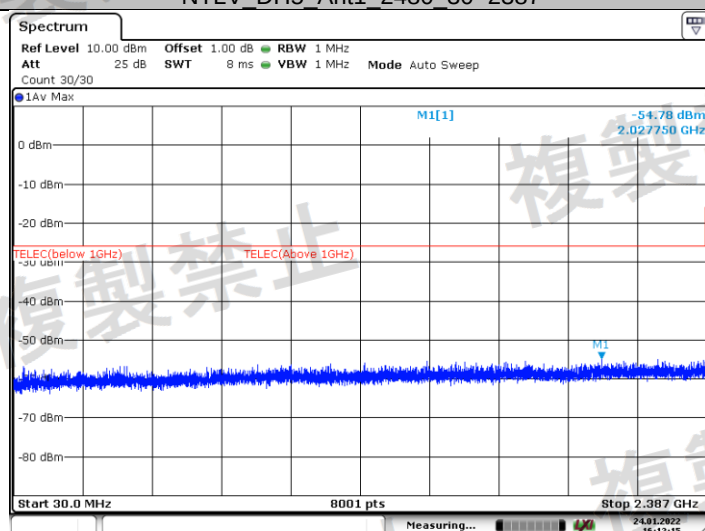
NTLV_DH5_Ant1_2441_2483.5~2496.5



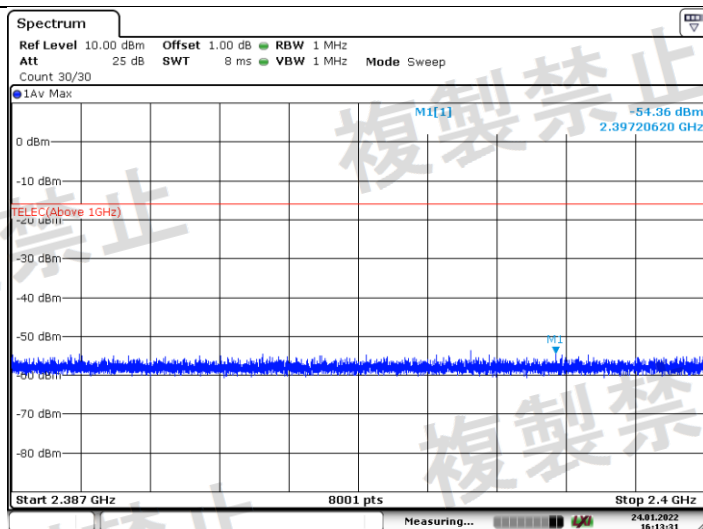
NTLV_DH5_Ant1_2441_2496.5~13000



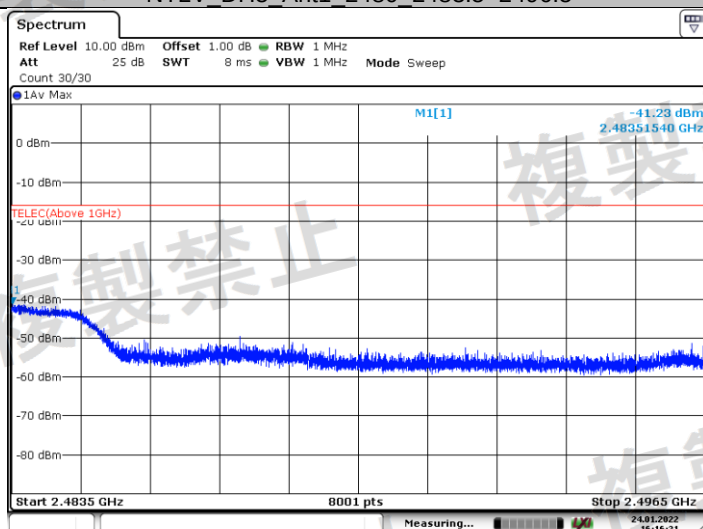
NTLV DH5 Ant1 2480 30~2387



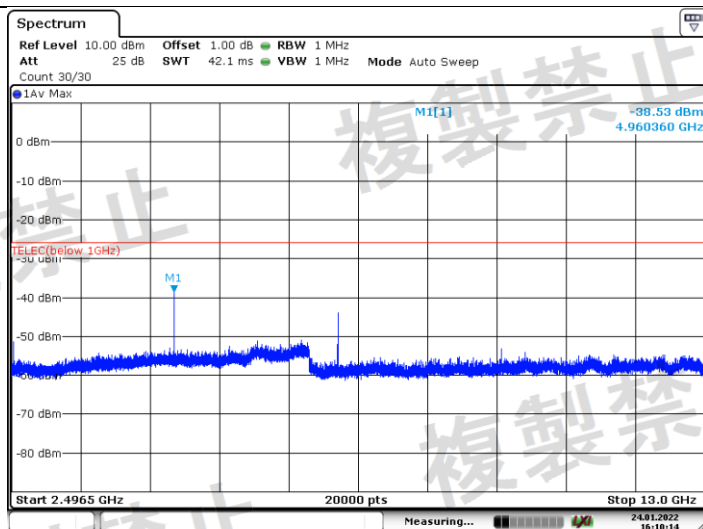
NTLV DH5 Ant1 2480 2387~2400



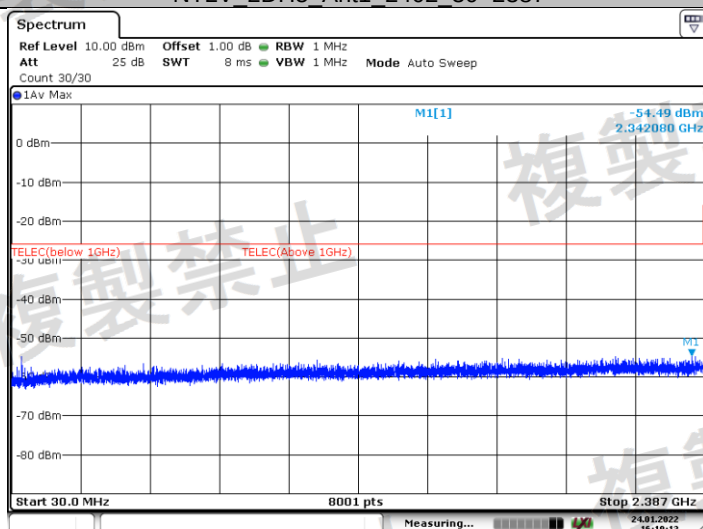
NTLV_DH5_Ant1_2480_2483.5~2496.5



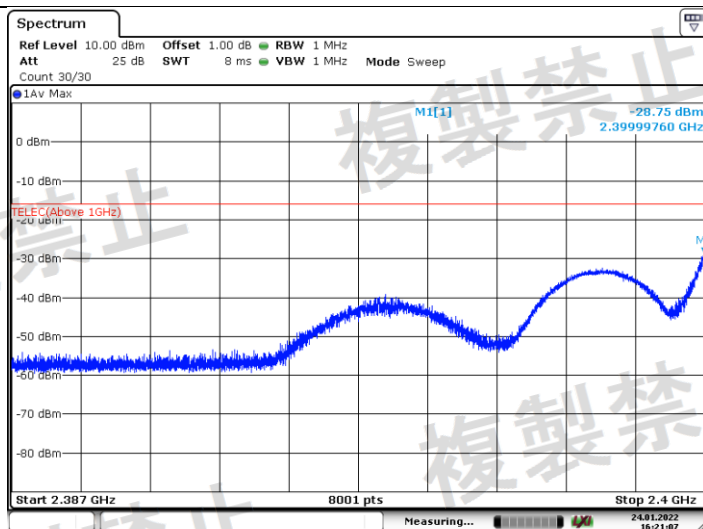
NTLV_DH5_Ant1_2480_2496.5~13000



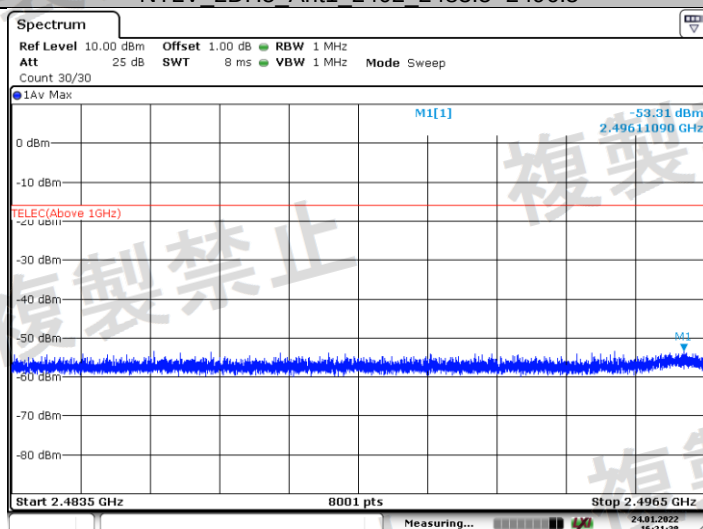
NTLV_2DH5_Ant1_2402_30~2387



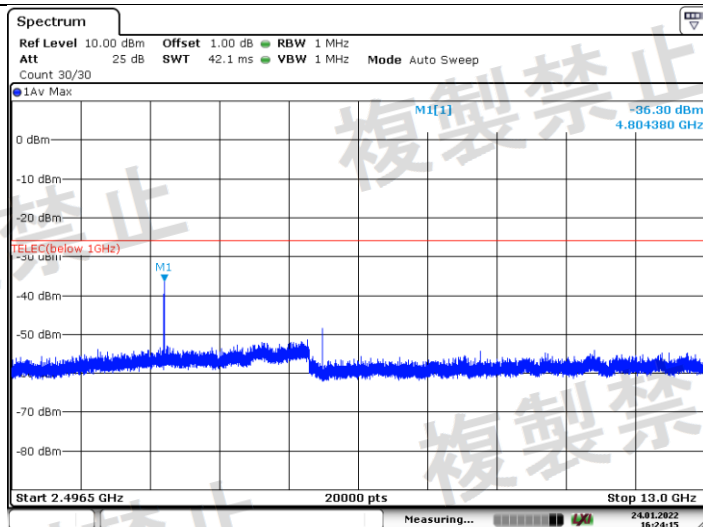
NTLV_2DH5_Ant1_2402_2387~2400



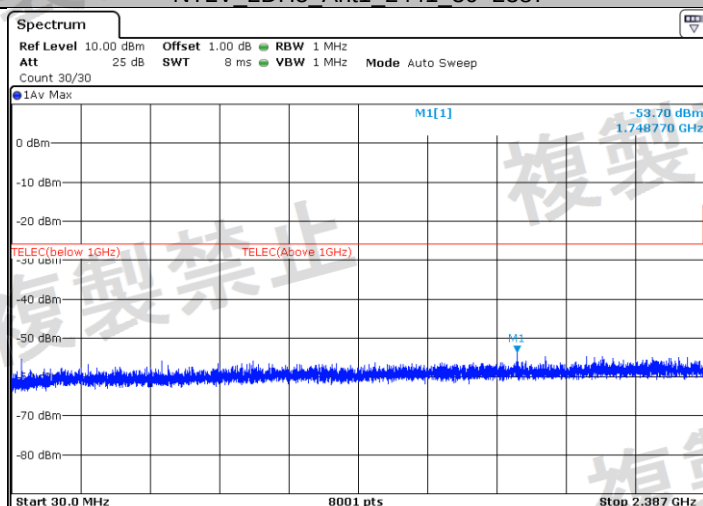
NTLV_2DH5_Ant1_2402_2483.5~2496.5



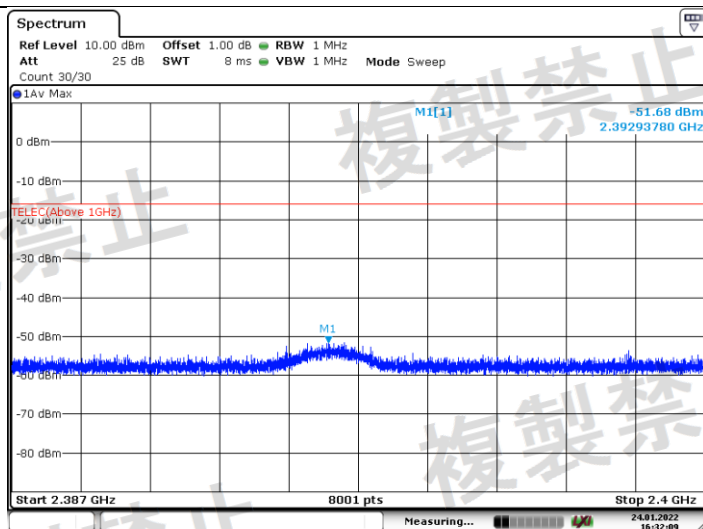
NTLV_2DH5_Ant1_2402_2496.5~13000



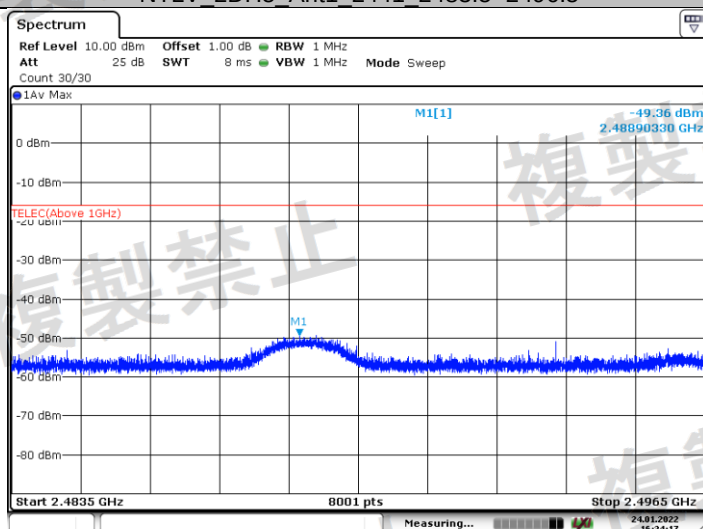
NTLV_2DH5_Ant1_2441_30~2387



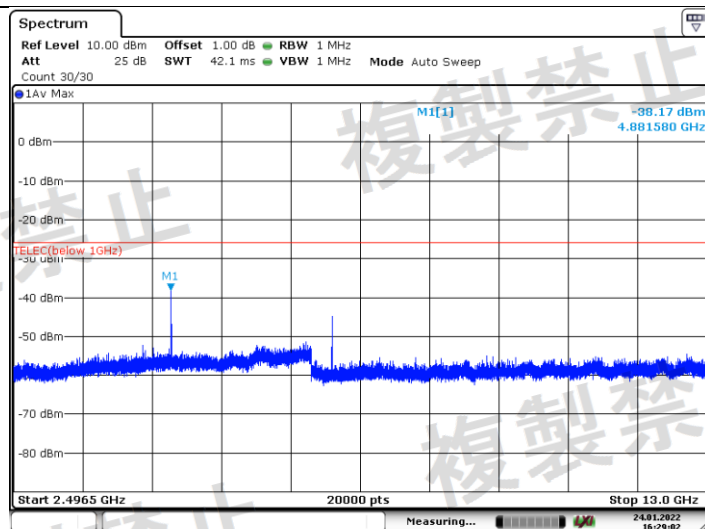
NTLV_2DH5_Ant1_2441_2387~2400



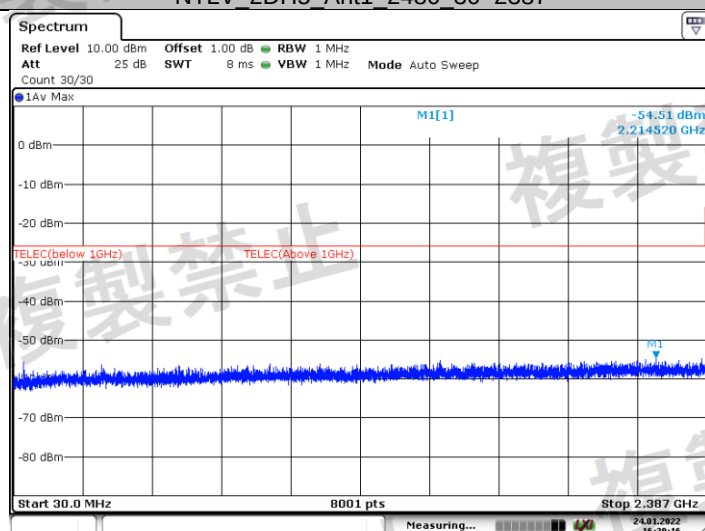
NTLV_2DH5_Ant1_2441_2483.5~2496.5



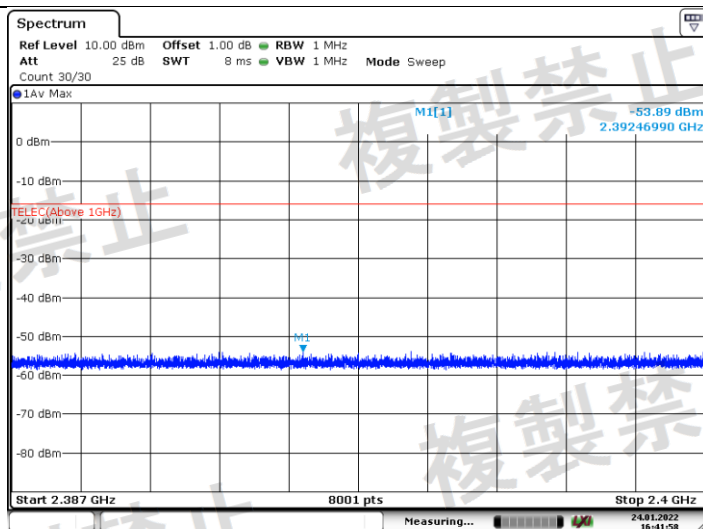
NTLV_2DH5_Ant1_2441_2496.5~13000



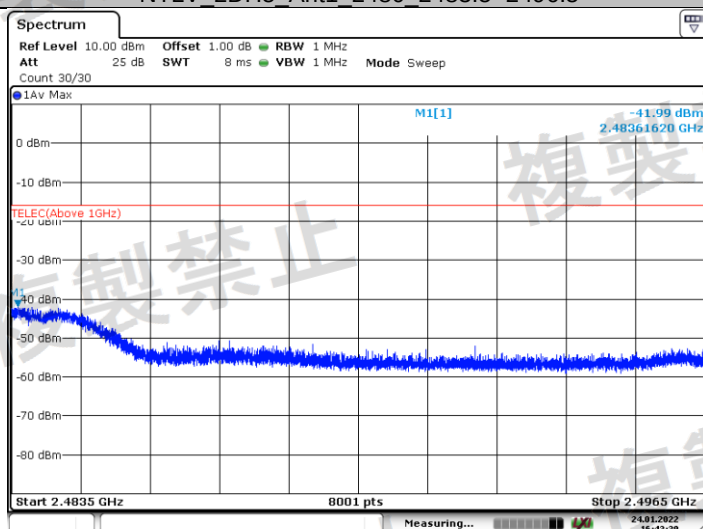
NTLV_2DH5_Ant1_2480_30~2387



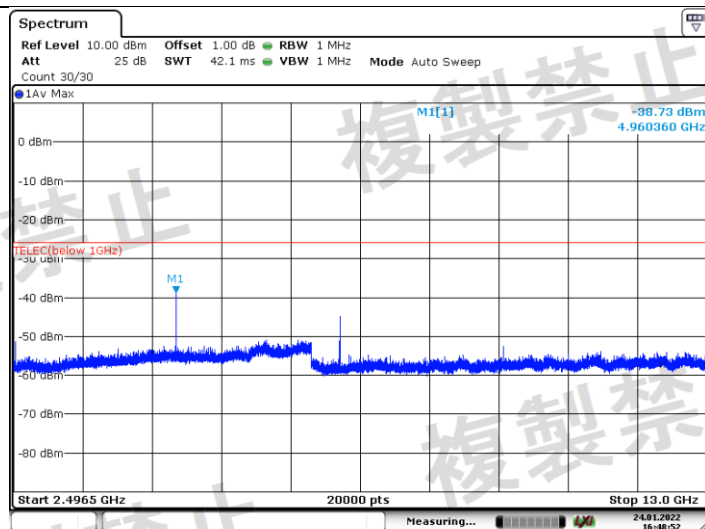
NTLV_2DH5_Ant1_2480_2387~2400



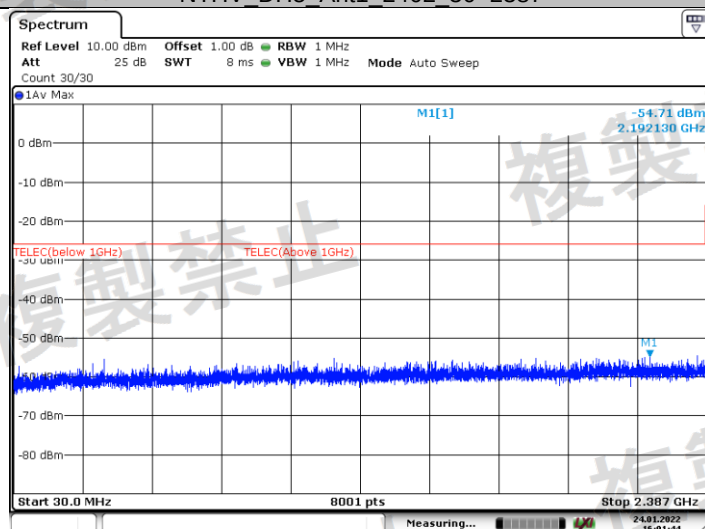
NTLV_2DH5_Ant1_2480_2483.5~2496.5



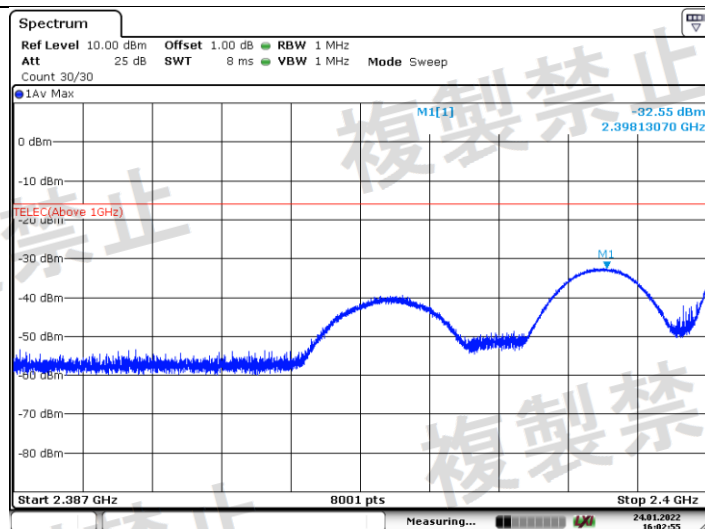
NTLV_2DH5_Ant1_2480_2496.5~13000



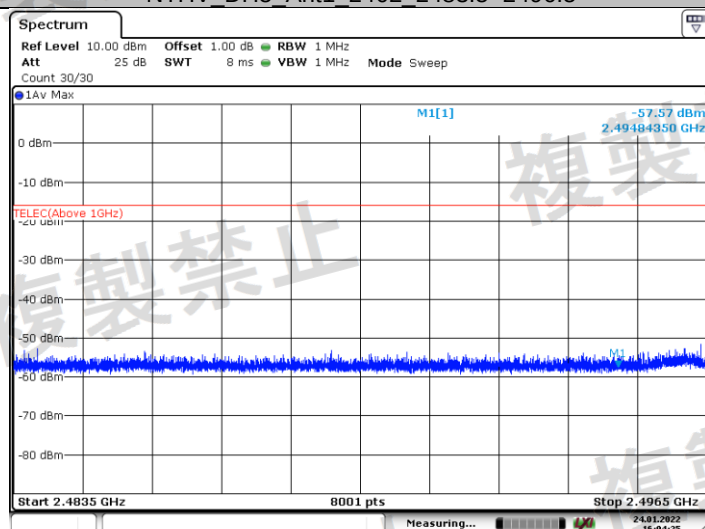
NTHV DH5 Ant1 2402 30~2387



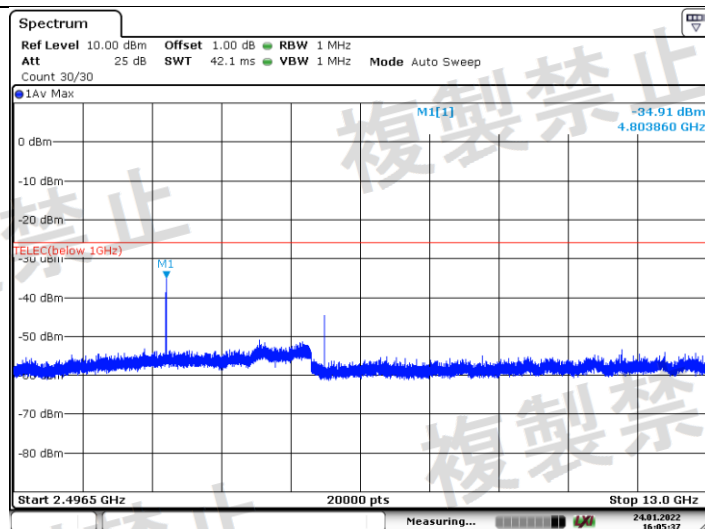
NTHV DH5 Ant1 2402 2387~2400



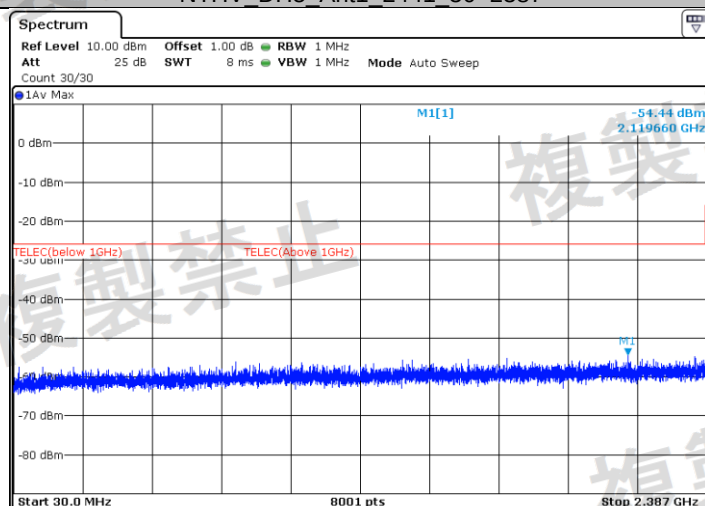
NTHV_DH5_Ant1_2402_2483.5~2496.5



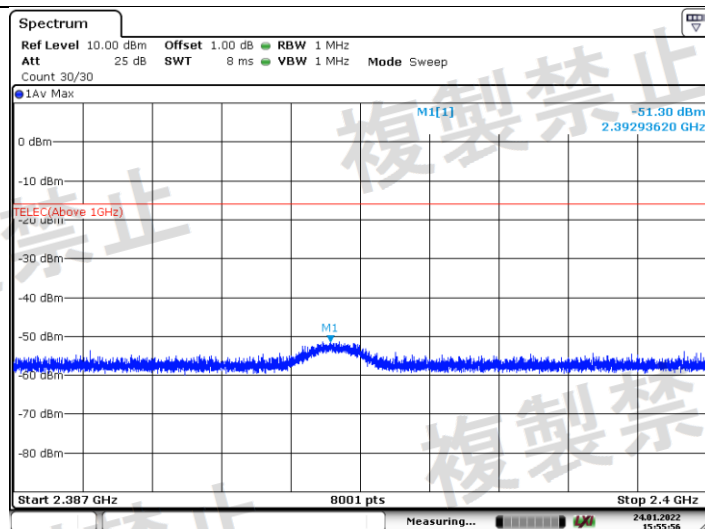
NTHV_DH5_Ant1_2402_2496.5~13000



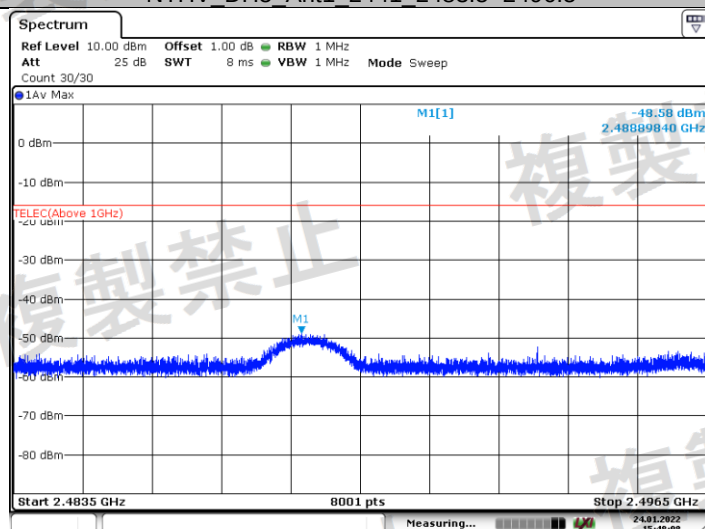
NTHV DH5 Ant1 2441 30~2387



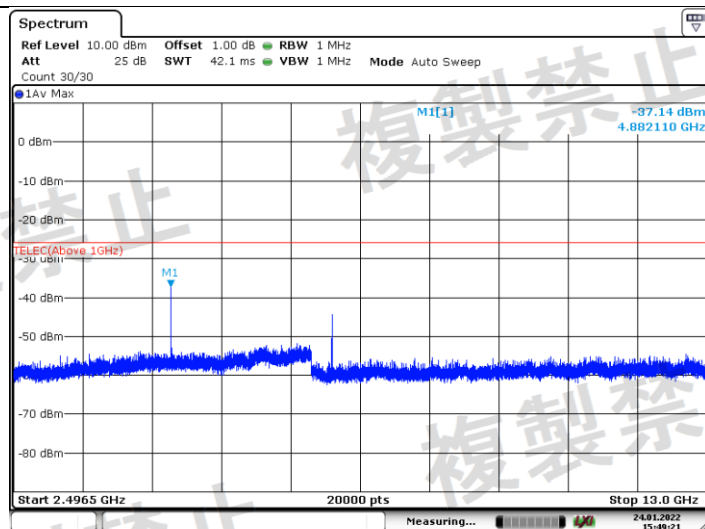
NTHV DH5 Ant1 2441 2387~2400



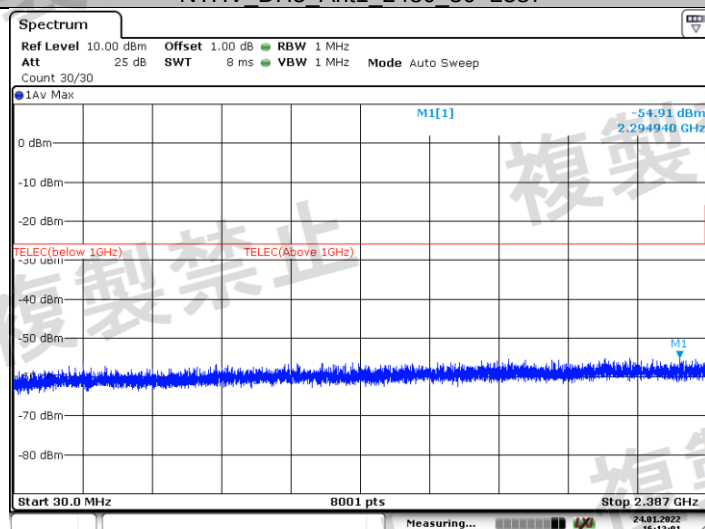
NTHV DH5 Ant1 2441 2483.5~2496.5



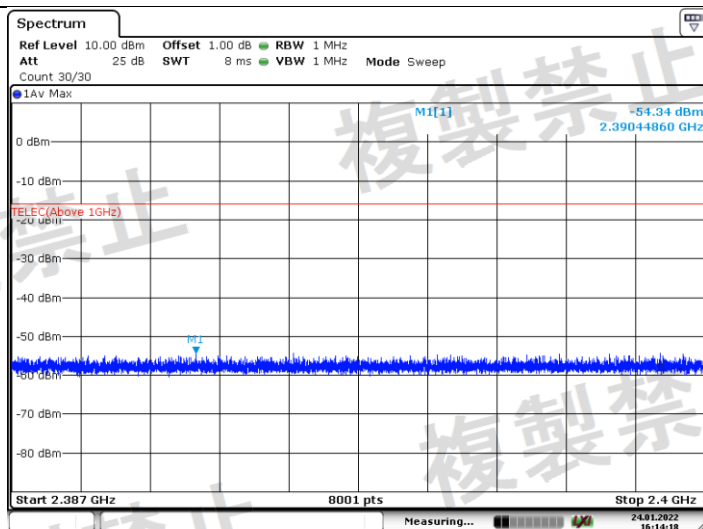
NTHV DH5 Ant1 2441 2496.5~13000



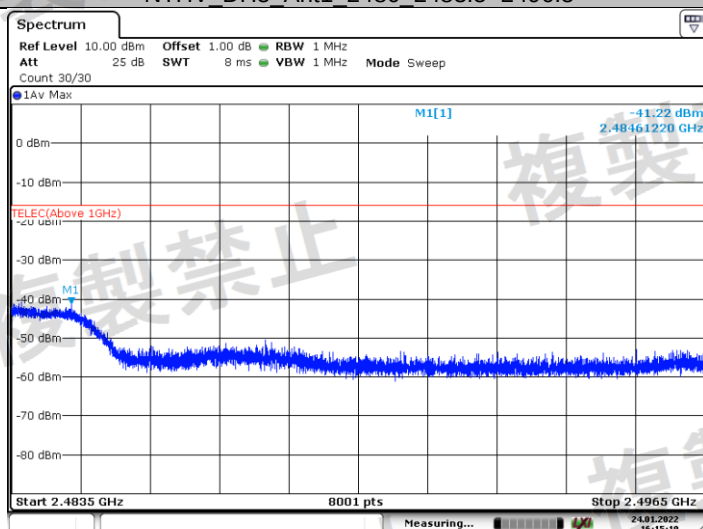
NTHV DH5 Ant1 2480 30~2387



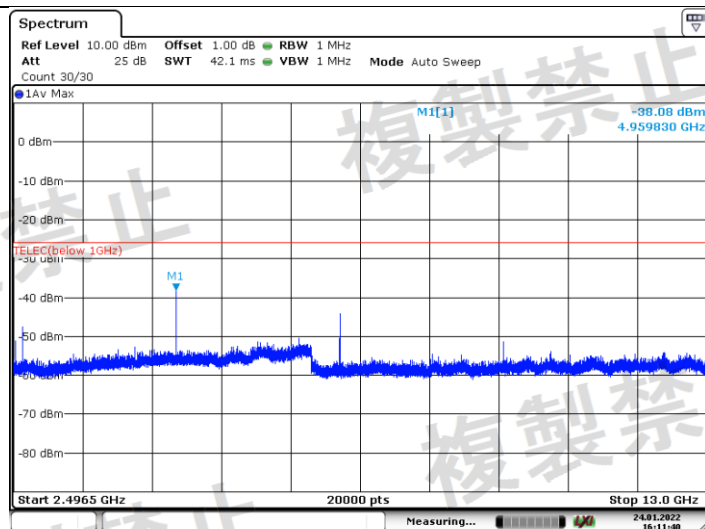
NTHV DH5 Ant1 2480 2387~2400



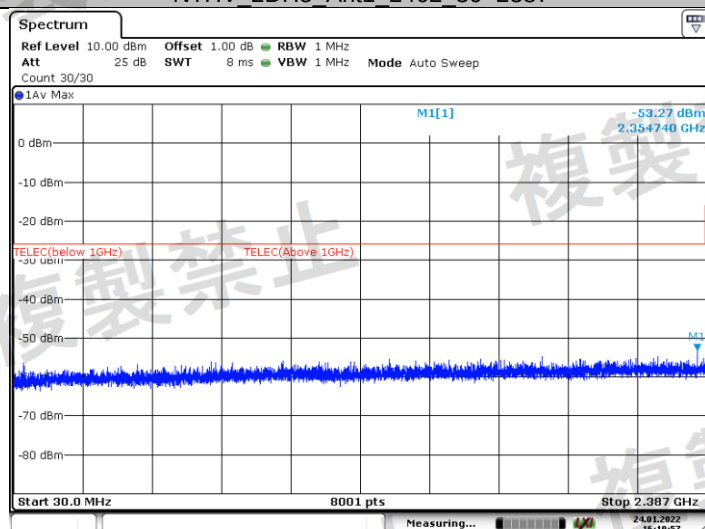
NTHV DH5 Ant1 2480 2483.5~2496.5



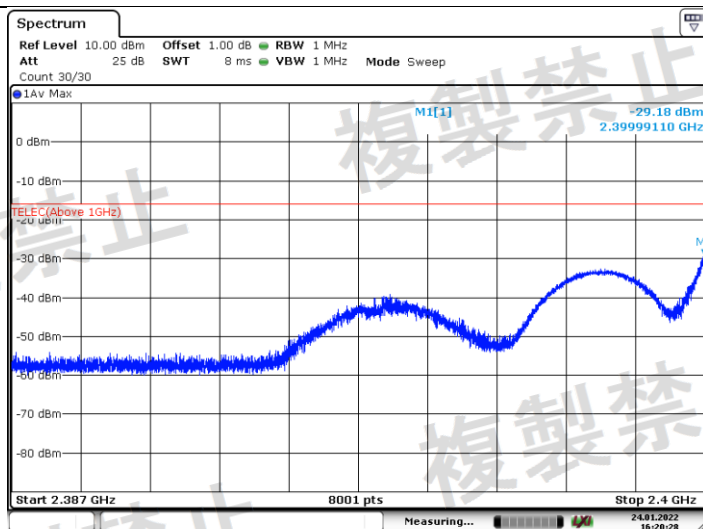
NTHV DH5 Ant1 2480 2496.5~13000



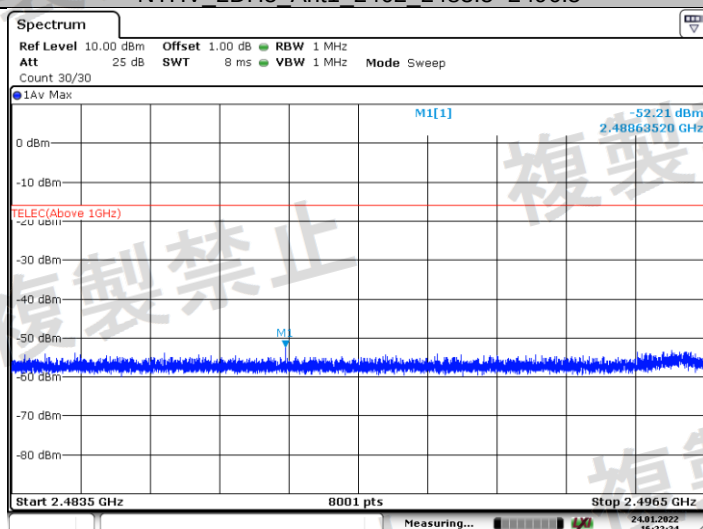
NTHV_2DH5_Ant1_2402_30~2387



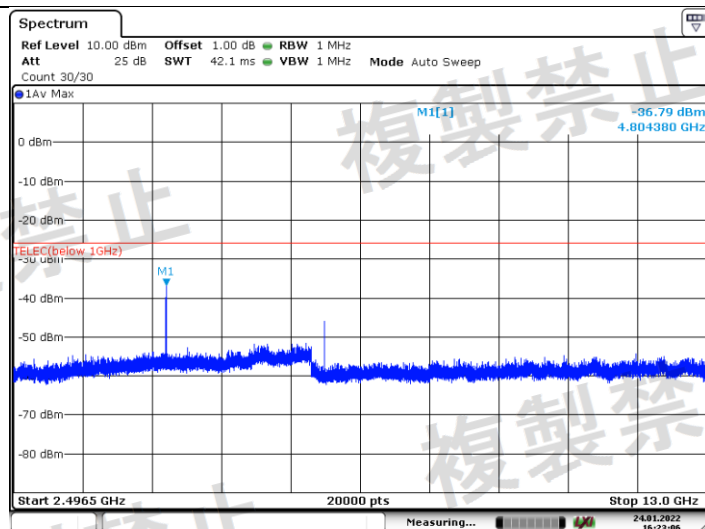
NTHV_2DH5_Ant1_2402_2387~2400



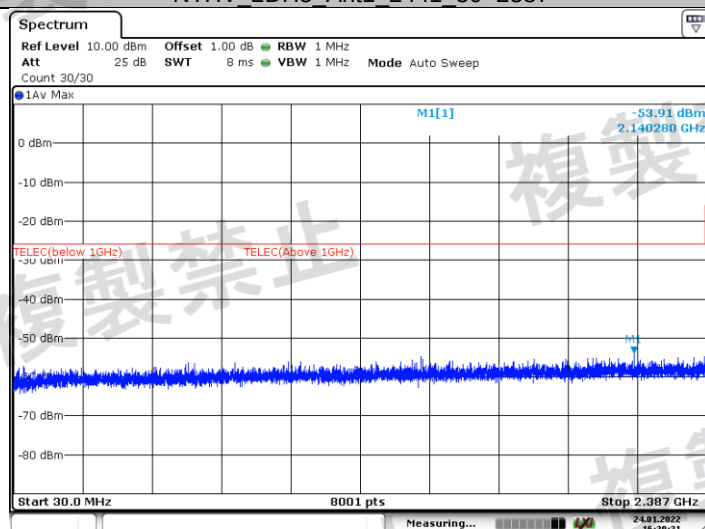
NTHV_2DH5_Ant1_2402_2483.5~2496.5



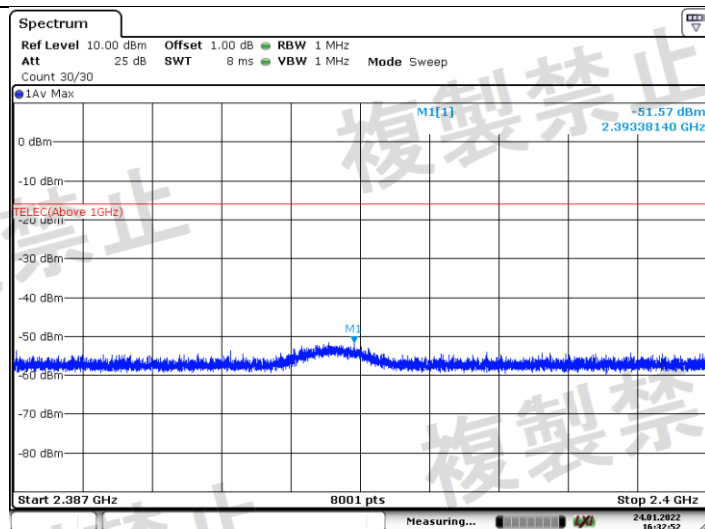
NTHV_2DH5_Ant1_2402_2496.5~13000



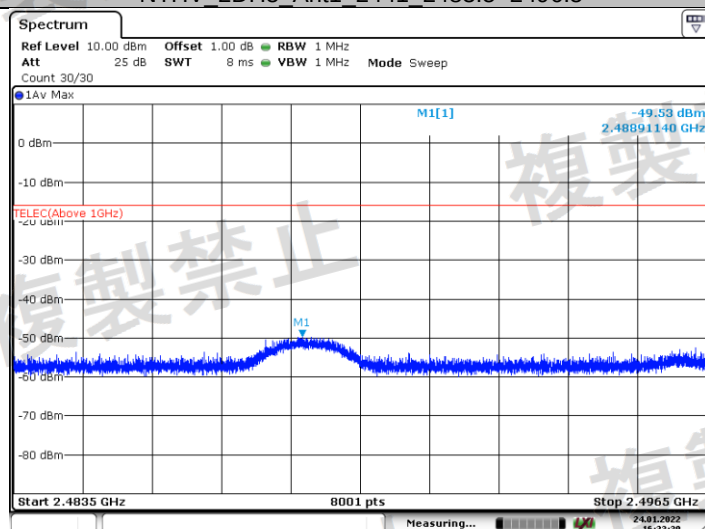
NTHV_2DH5_Ant1_2441_30~2387



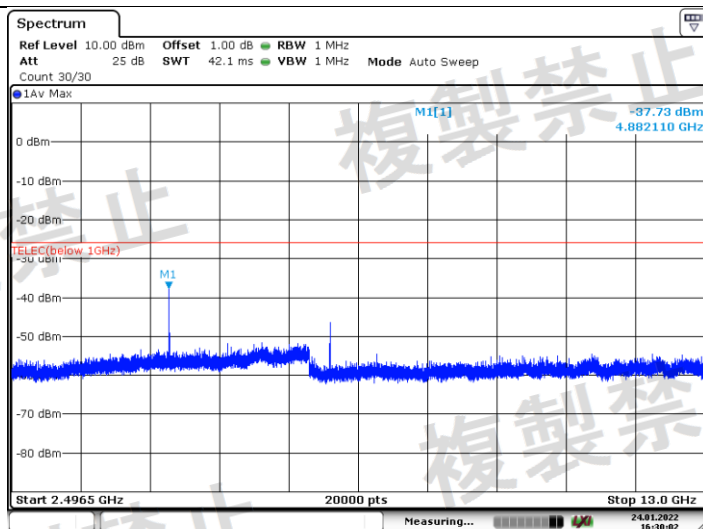
NTHV_2DH5_Ant1_2441_2387~2400



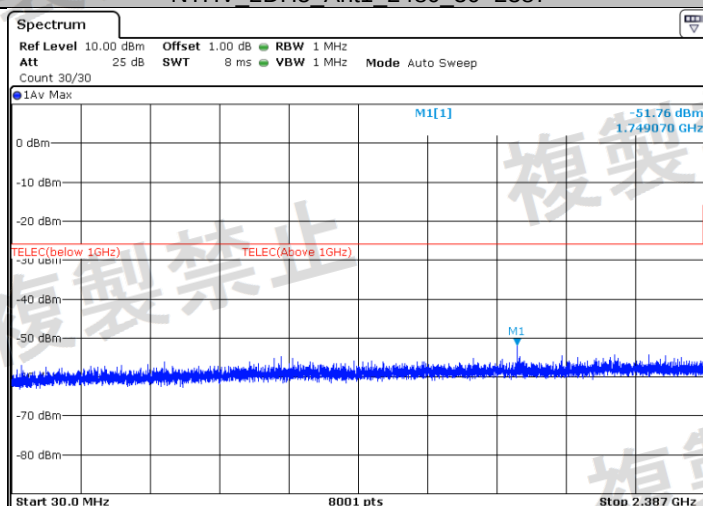
NTHV_2DH5_Ant1_2441_2483.5~2496.5



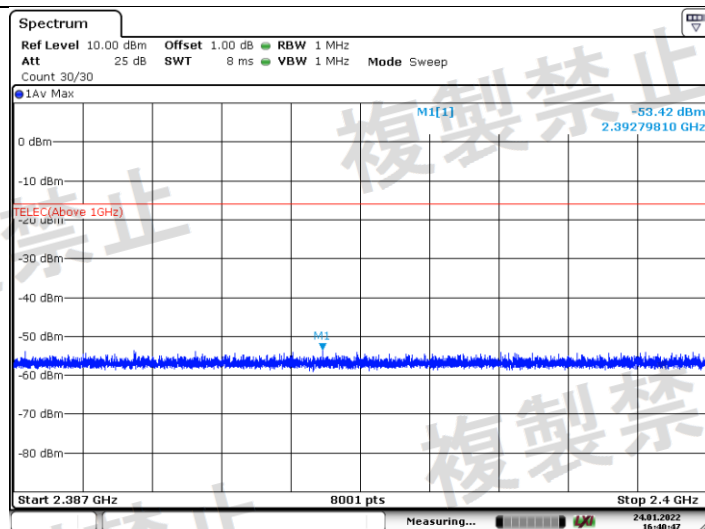
NTHV_2DH5_Ant1_2441_2496.5~13000



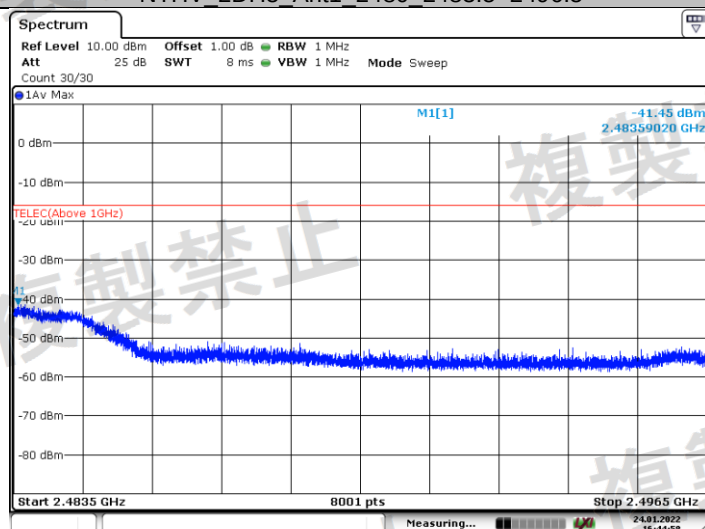
NTHV_2DH5_Ant1_2480_30~2387



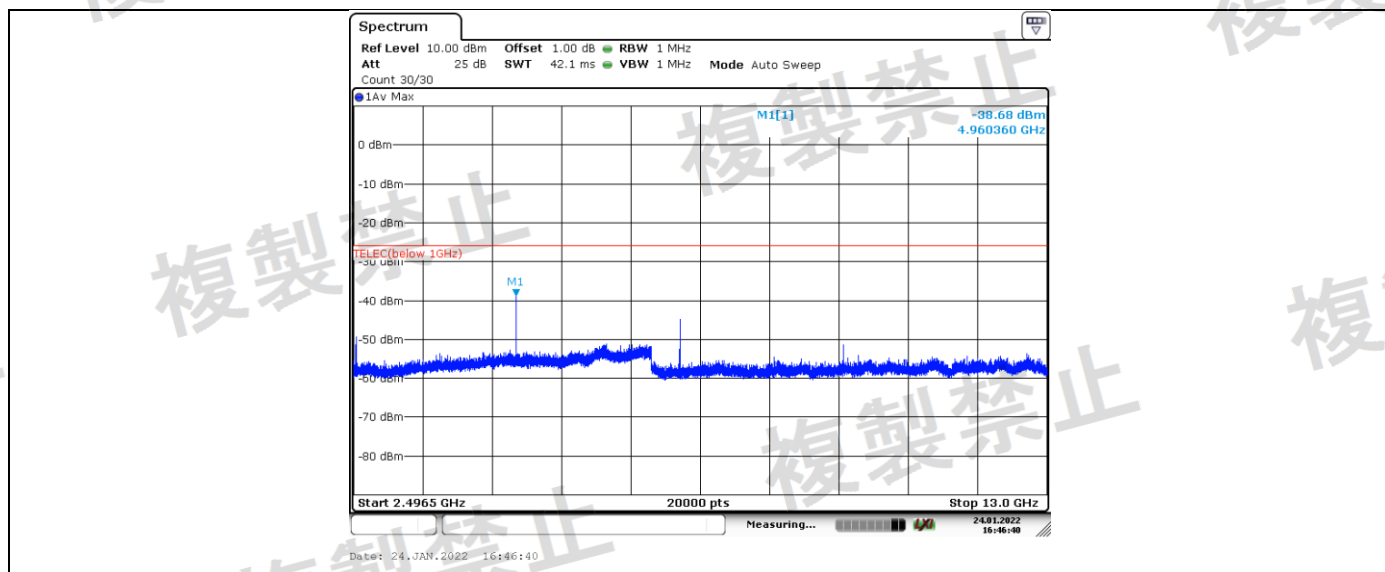
NTHV_2DH5_Ant1_2480_2387~2400



NTHV_2DH5_Ant1_2480_2483.5~2496.5



NTHV_2DH5_Ant1_2480_2496.5~13000





3.10 Secondary Radiated Emissions (Conducted)

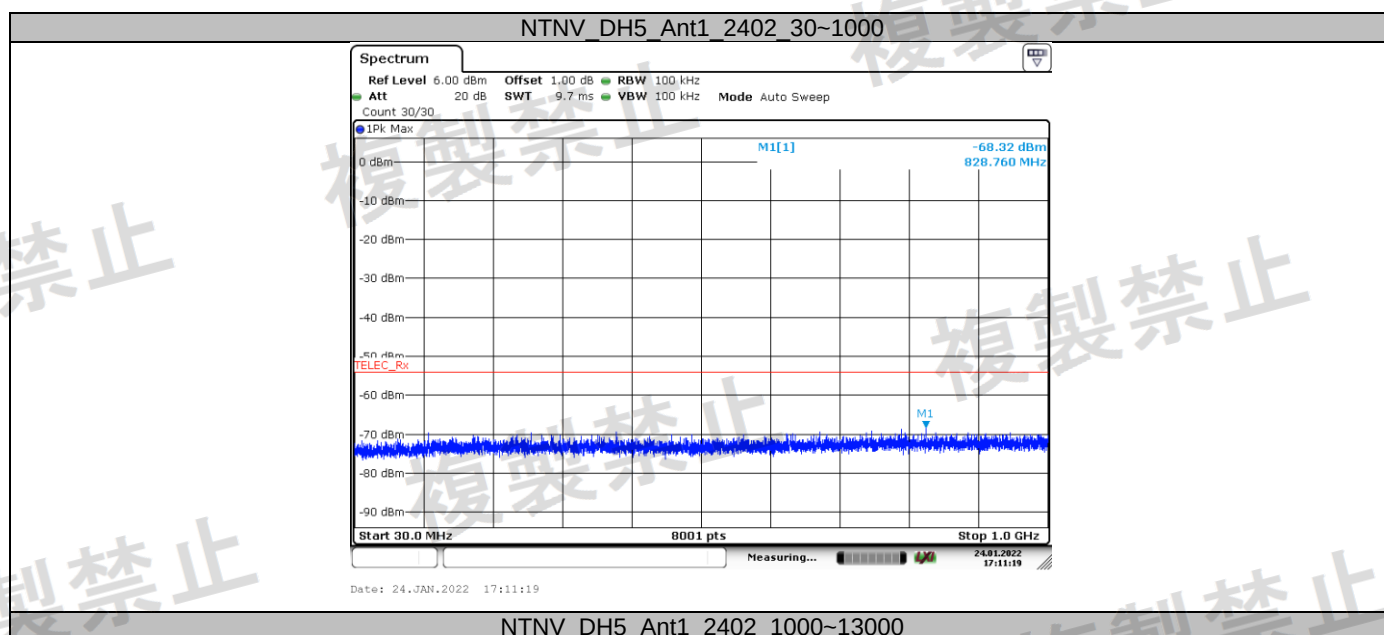
3.10.1 Test condition

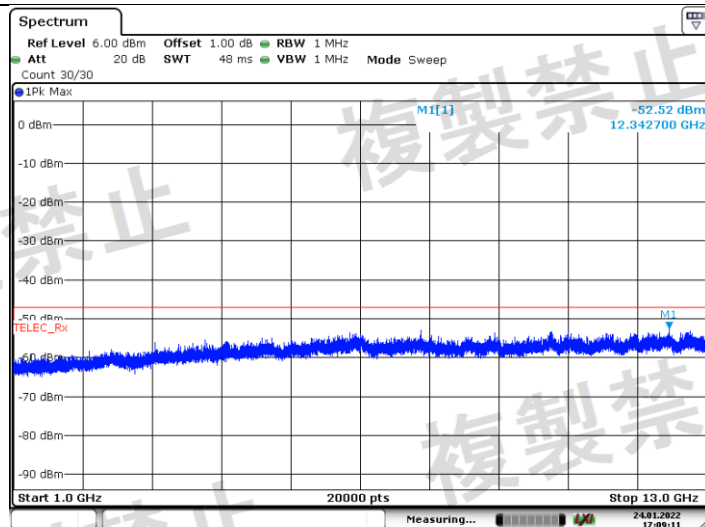
Channel:	Low: 2402MHz; Middle: 2441MHz; High: 2480MHz
Test position:	Receiving
Ambient temperature:	24.6 °C
Relative humidity:	50 %

3.10.2 Limit (ARIB STD-T66, Clause 3.3 (1))

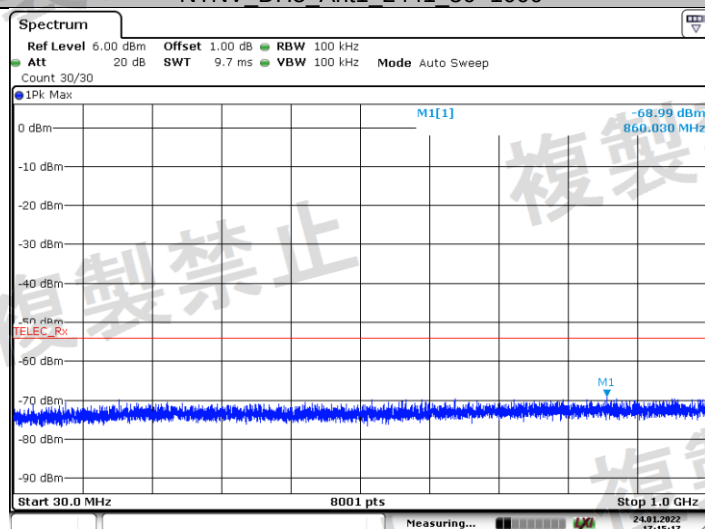
The limit on secondary emissions radiated from the receiving equipment within which the function of other radio equipment will not be impaired shall be, in terms of the power of a dummy antenna circuit that has the same electrical constant as the receiving antenna, 4 nW or less at a frequency below 1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

3.10.3 Test Result

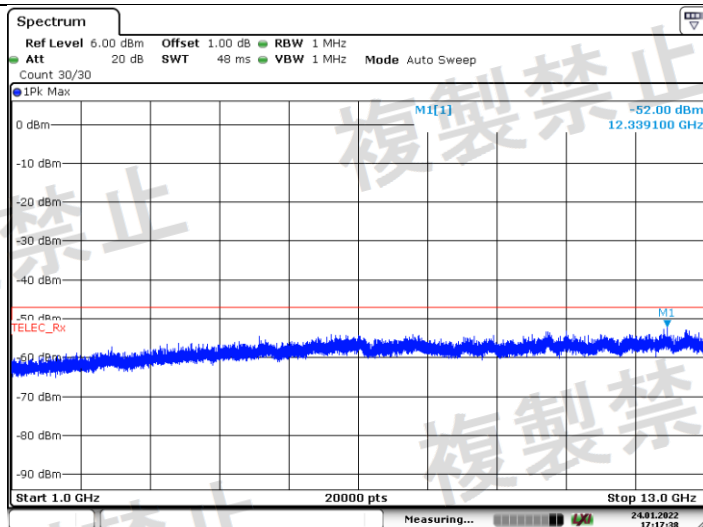




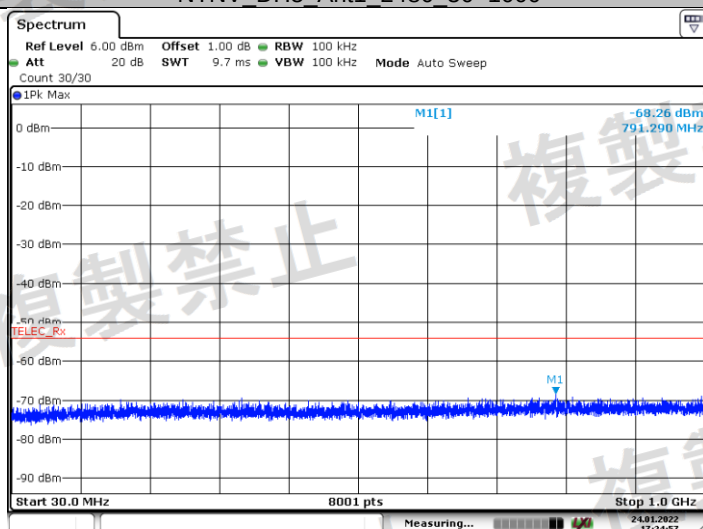
NTNV_DH5_Ant1_2441_30~1000



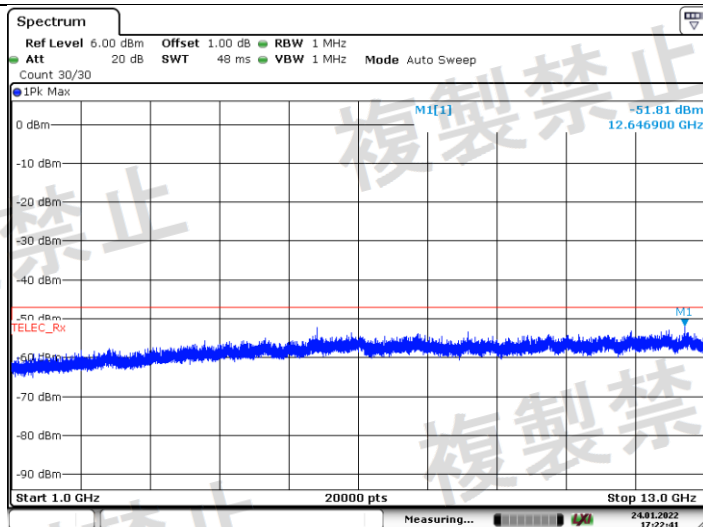
NTNV_DH5_Ant1_2441_1000~13000



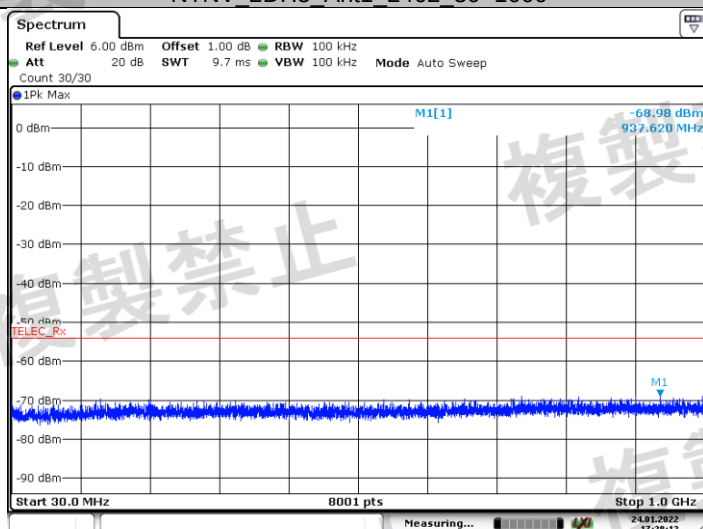
NTNV_DH5_Ant1_2480_30~1000



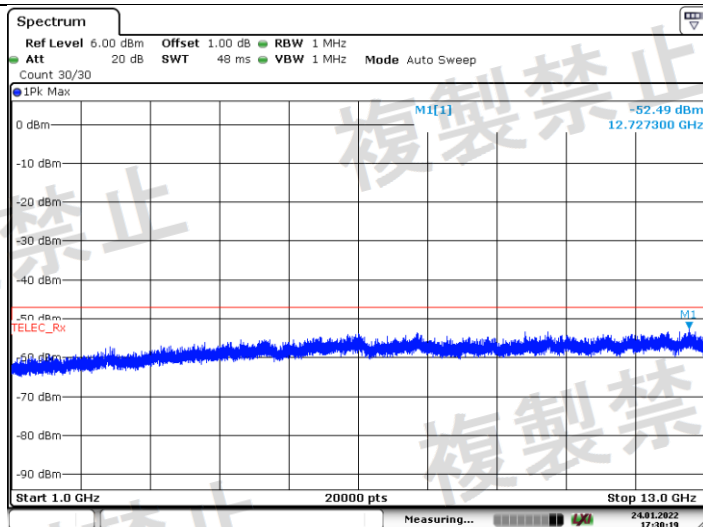
NTNV_DH5_Ant1_2480_1000~13000



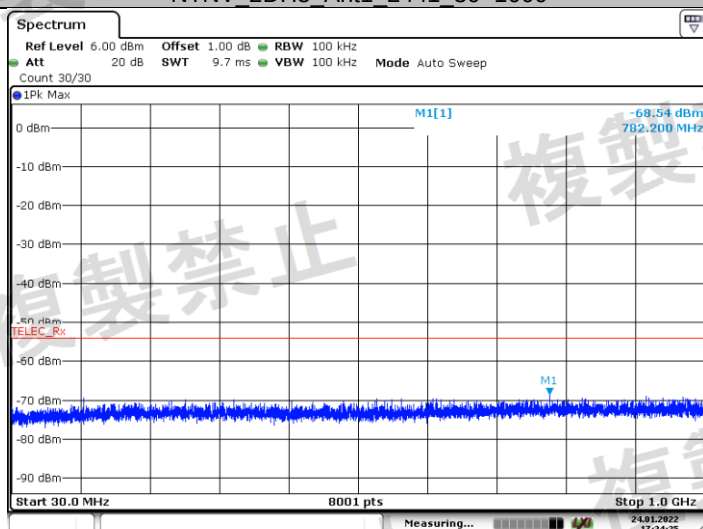
NTNV_2DH5_Ant1_2402_30~1000



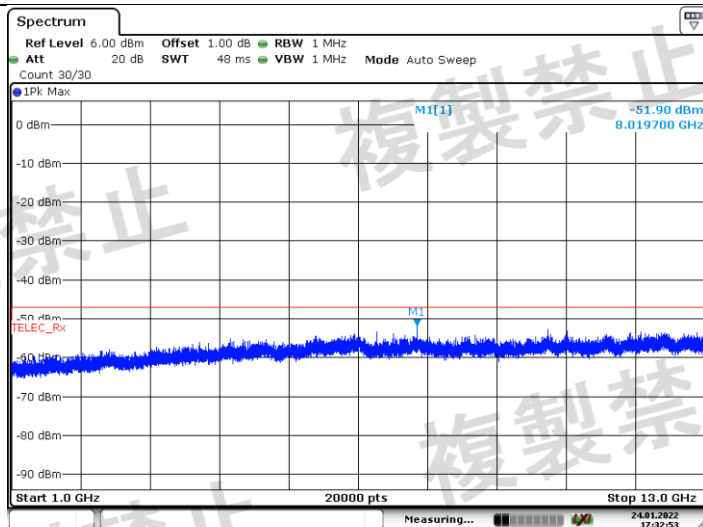
NTNV_2DH5_Ant1_2402_1000~13000



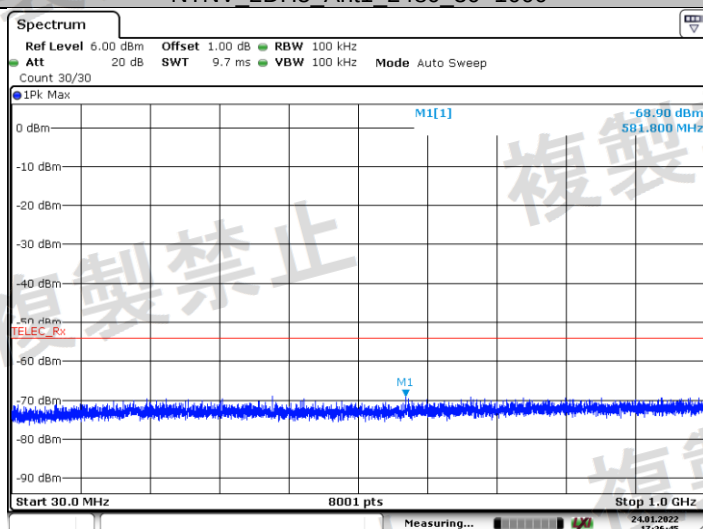
NTNV_2DH5_Ant1_2441_30~1000



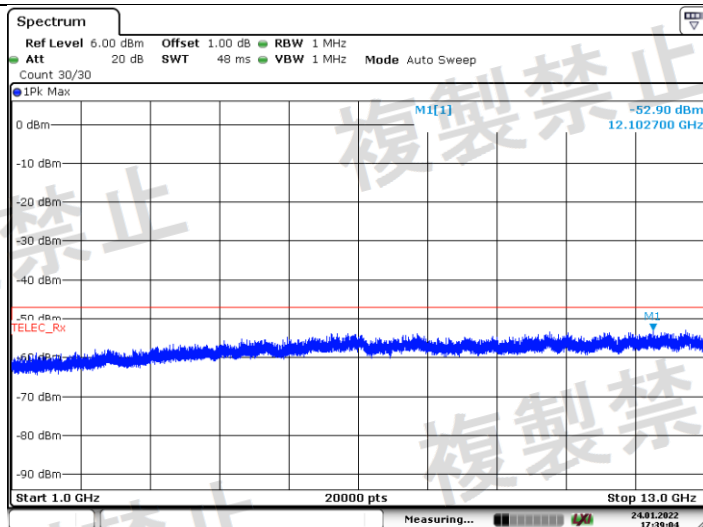
NTNV_2DH5_Ant1_2441_1000~13000



NTNV_2DH5_Ant1_2480_30~1000

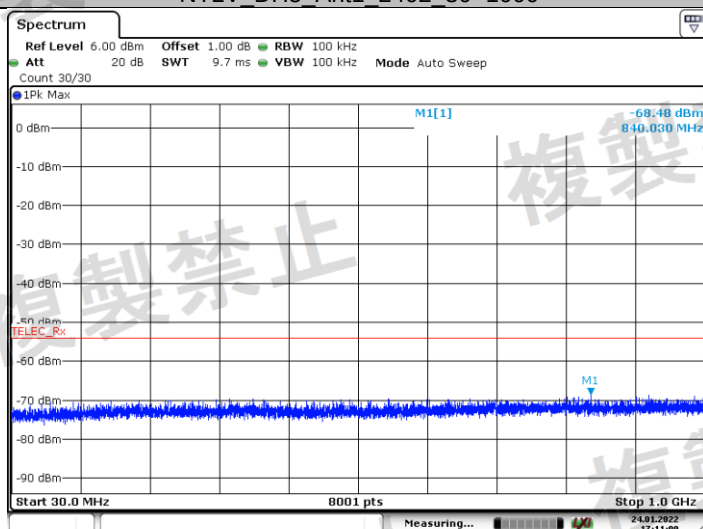


NTNV_2DH5_Ant1_2480_1000~13000



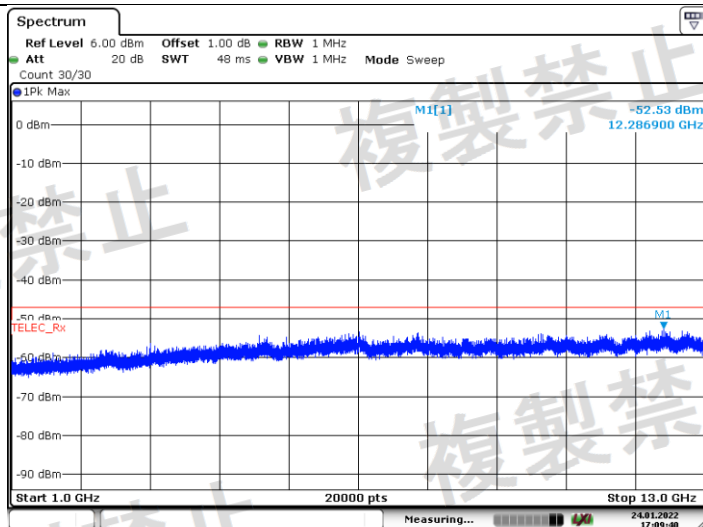
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NTLV_DH5_Ant1_2402_30~1000

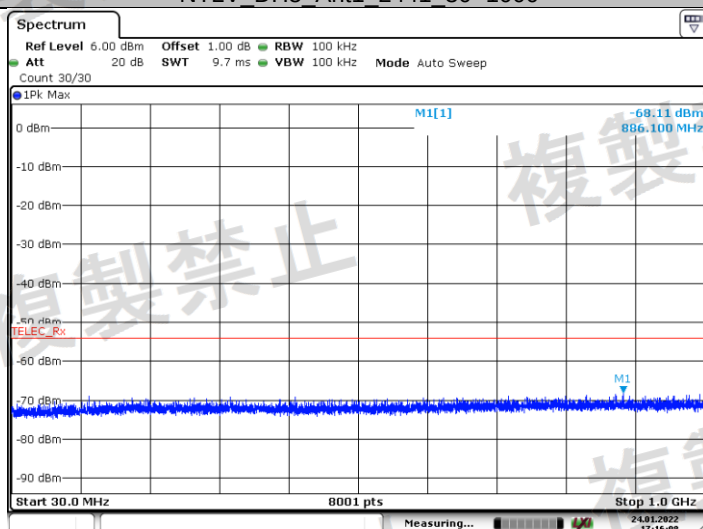


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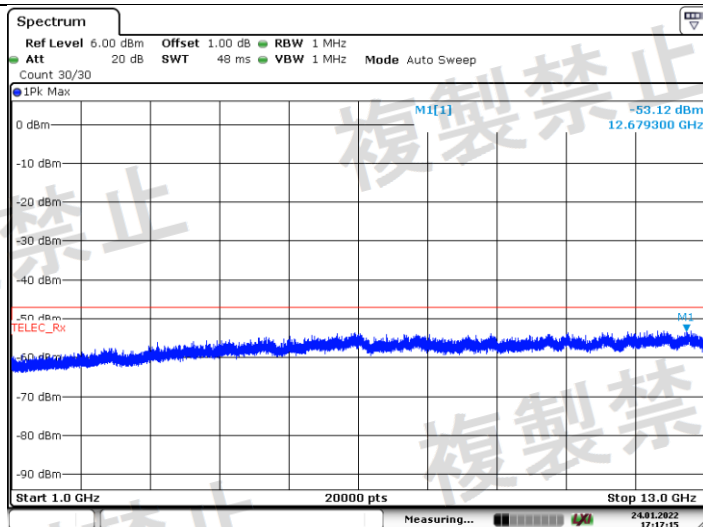
NTLV_DH5_Ant1_2402_1000~13000



NTLV_DH5_Ant1_2441_30~1000

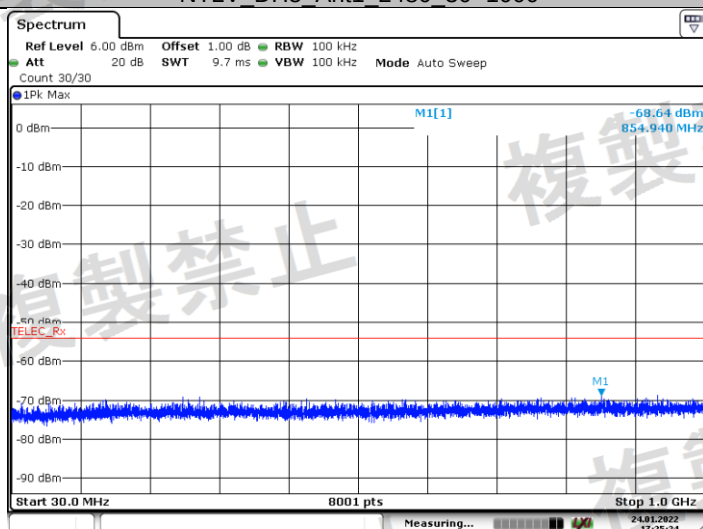


NTLV_DH5_Ant1_2441_1000~13000



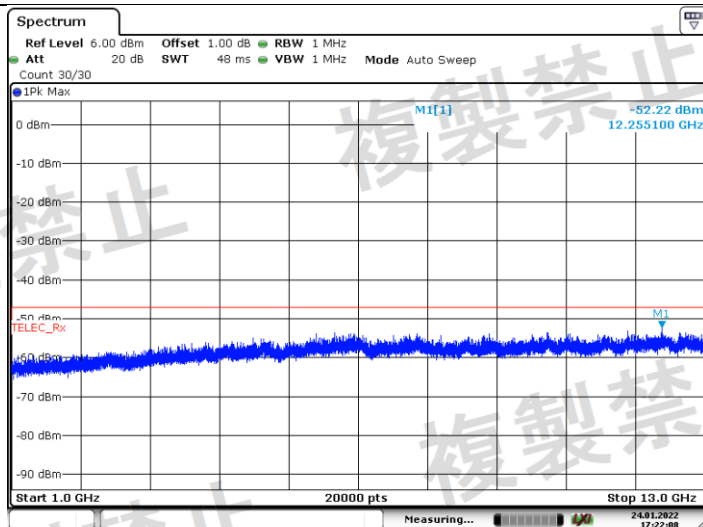
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NTLV_DH5_Ant1_2480_30~1000

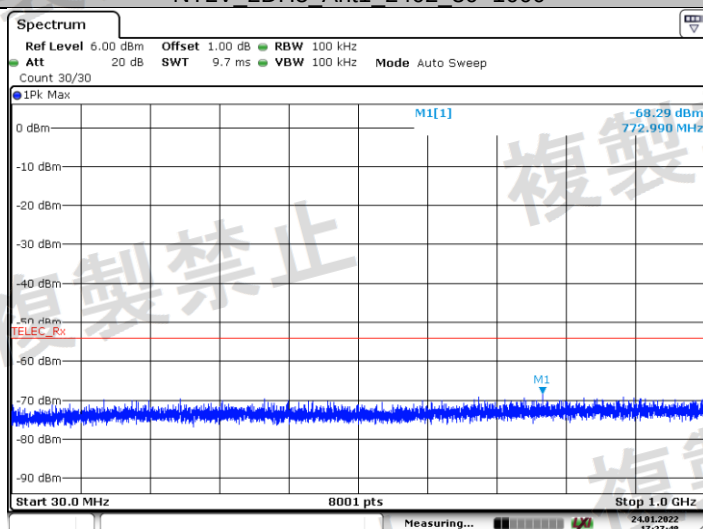


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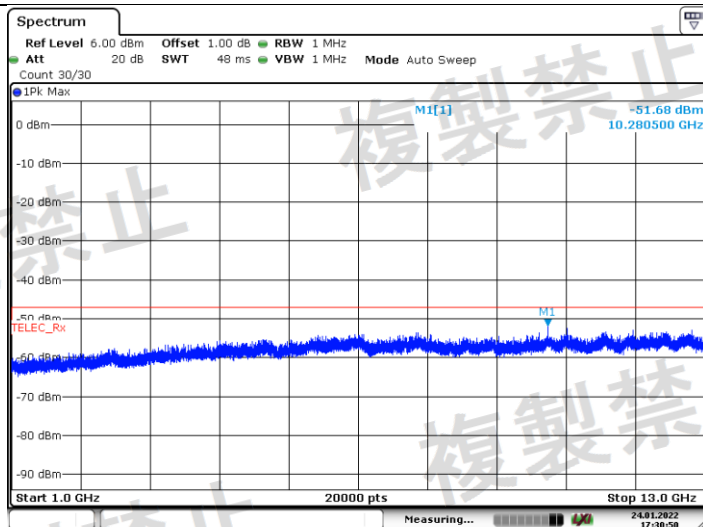
NTLV_DH5_Ant1_2480_1000~13000



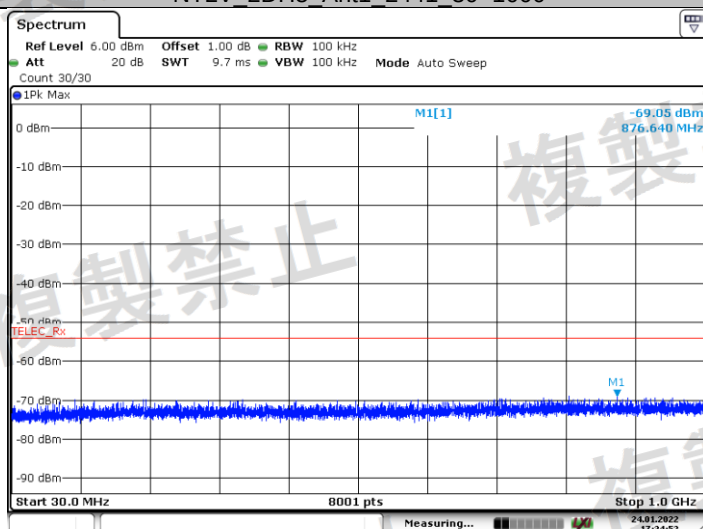
NTLV 2DH5_Ant1 2402_30~1000



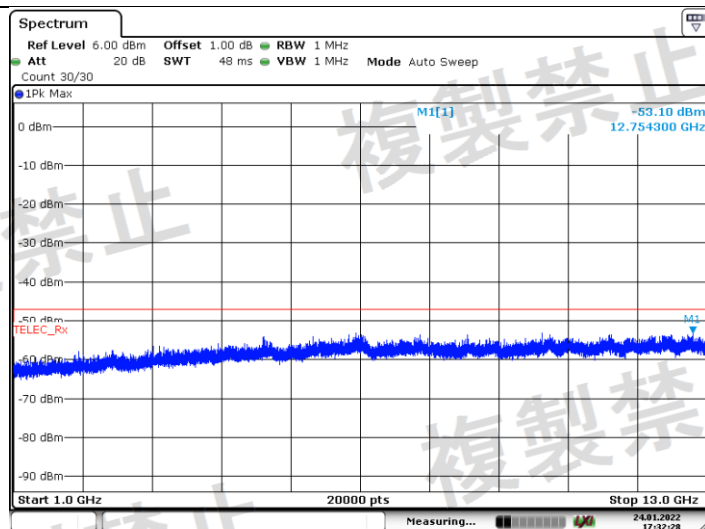
NTLV 2DH5_Ant1 2402_1000~13000



NTLV 2DH5_Ant1_2441_30~1000

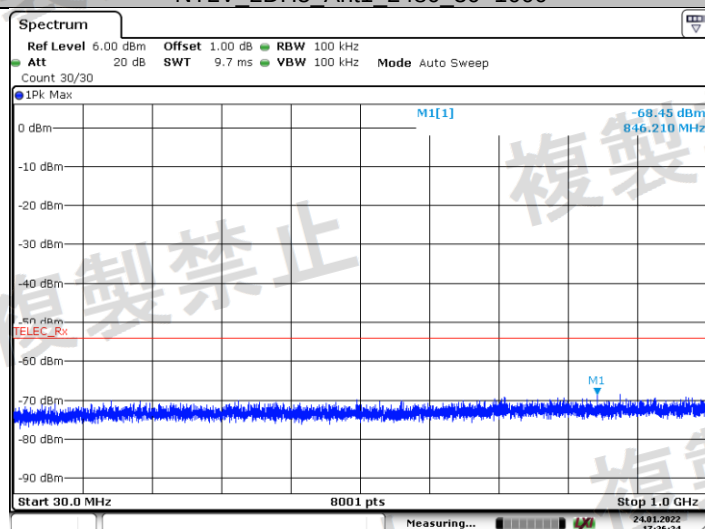


NTLV 2DH5_Ant1_2441_1000~13000



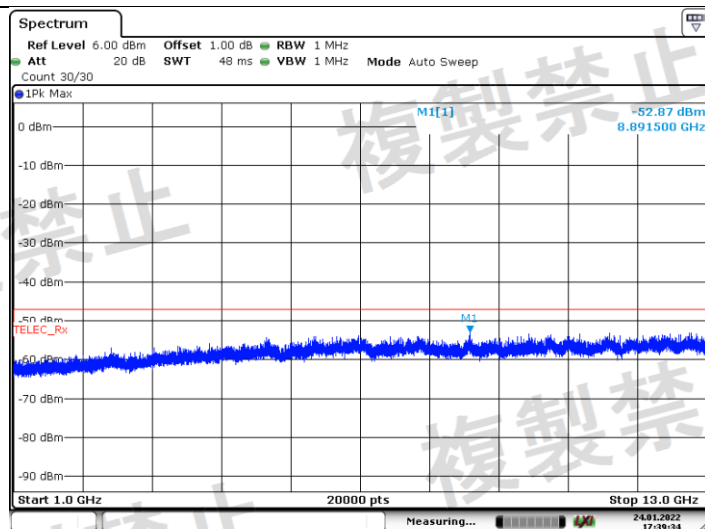
Date: 24. JAN. 2022 17:32:28

NTLV 2DH5 Ant1 2480 30~1000



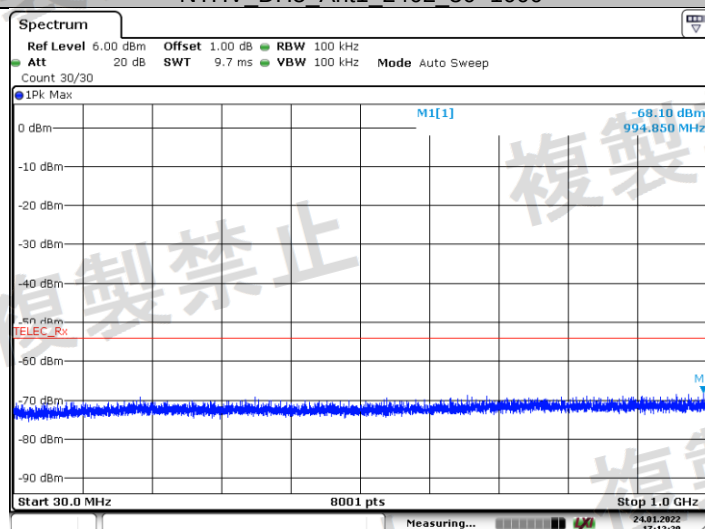
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NTLV 2DH5 Ant1 2480 1000~13000



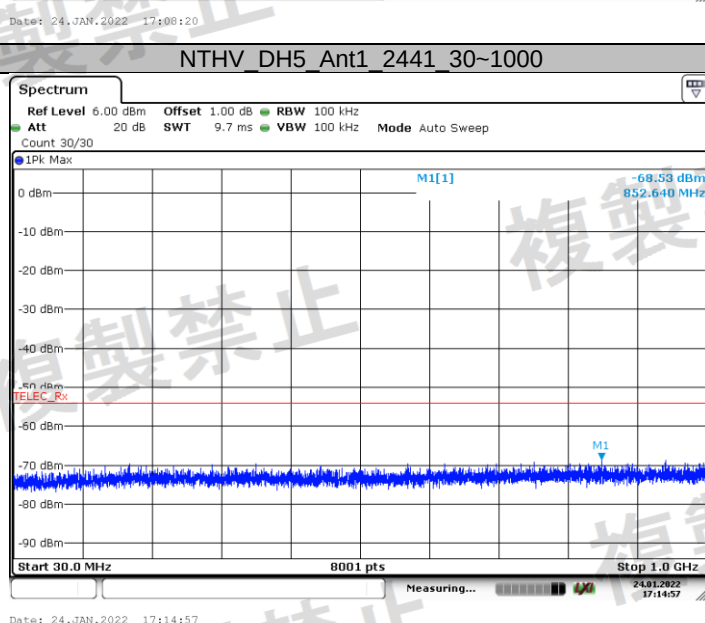
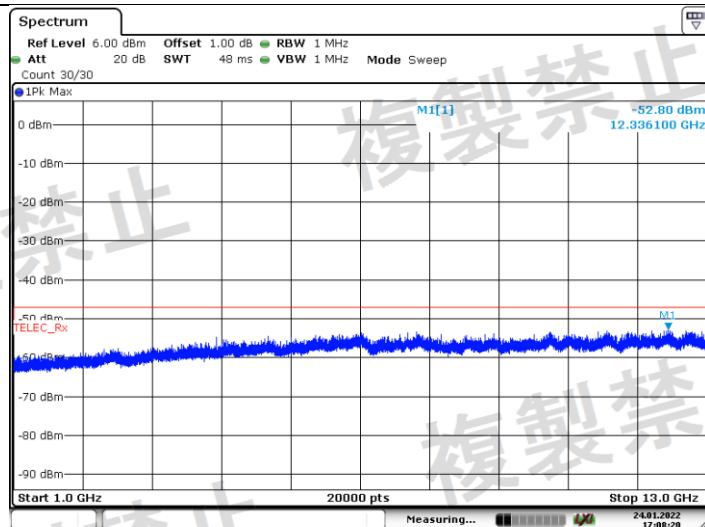
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NTHV_DH5_Ant1_2402_30~1000



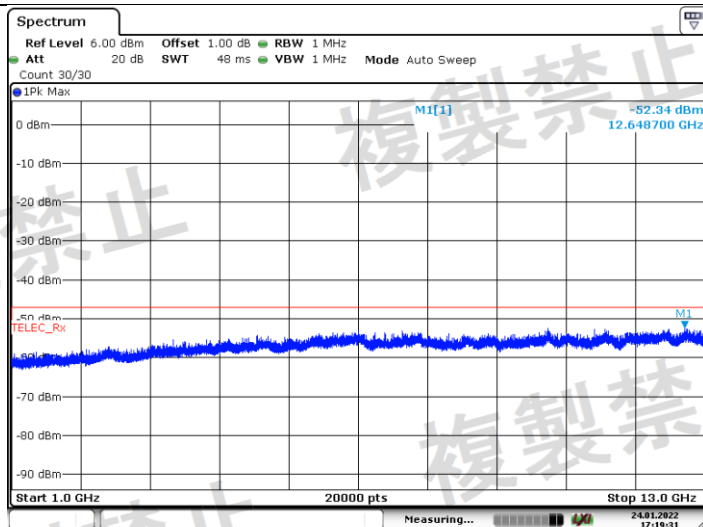
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NTHV_DH5_Ant1_2402_1000~13000

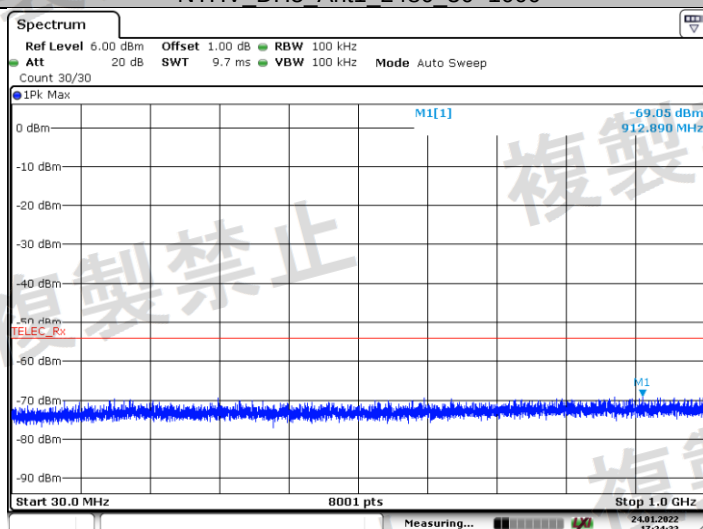


NTHV_DH5_Ant1_2441_30~1000

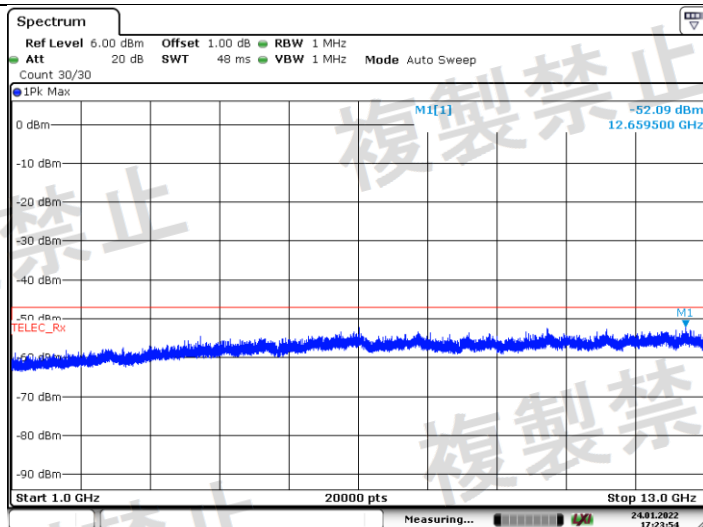
NTHV_DH5_Ant1_2441_1000~13000



NTHV_DH5_Ant1_2480_30~1000

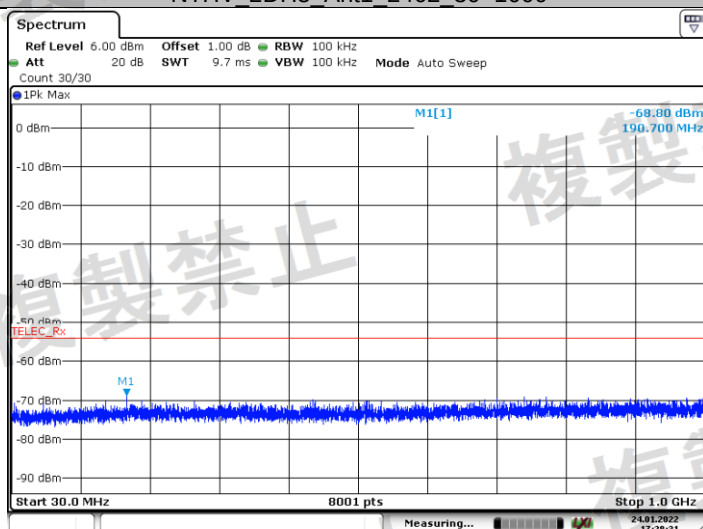


NTHV_DH5_Ant1_2480_1000~13000



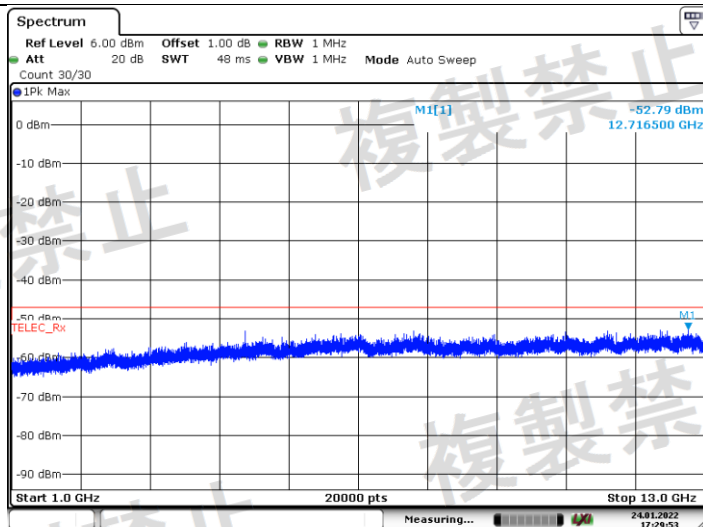
Date: 24. JAN. 2022 17:23:54

NTHV_2DH5_Ant1_2402_30~1000

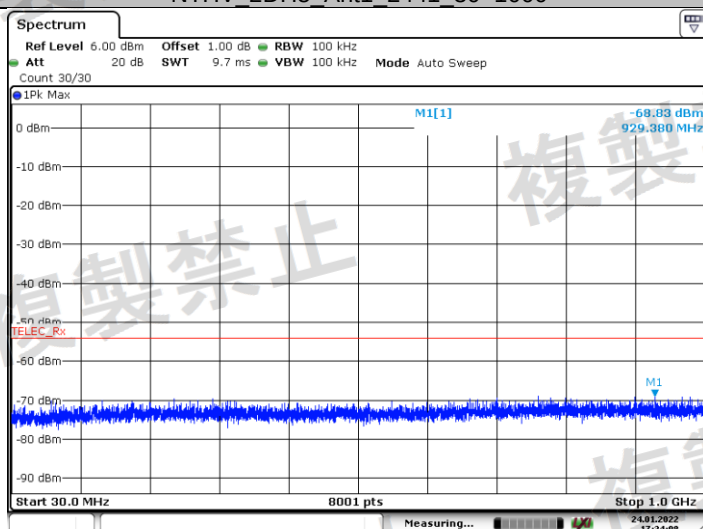


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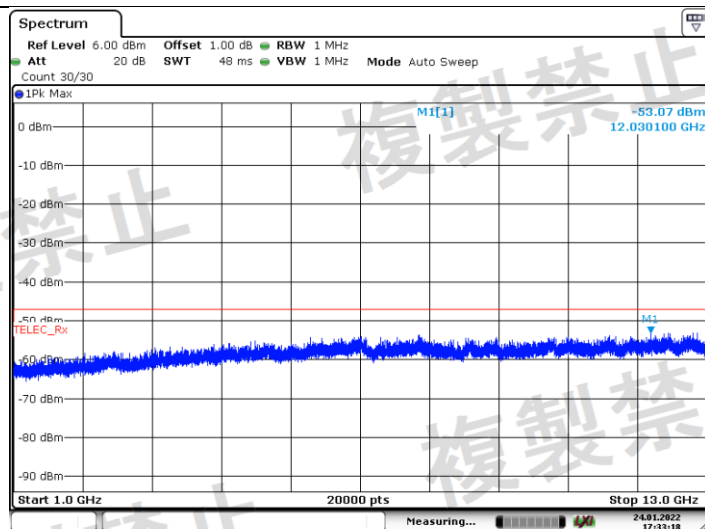
NTHV_2DH5_Ant1_2402_1000~13000



NTHV_2DH5_Ant1_2441_30~1000

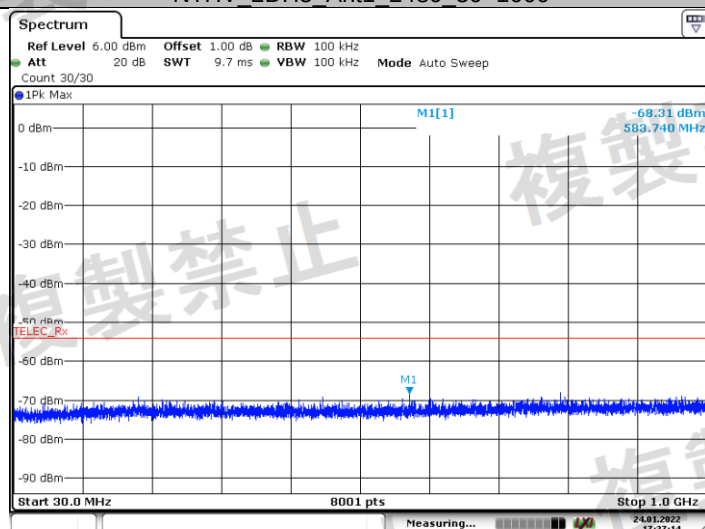


NTHV_2DH5_Ant1_2441_1000~13000



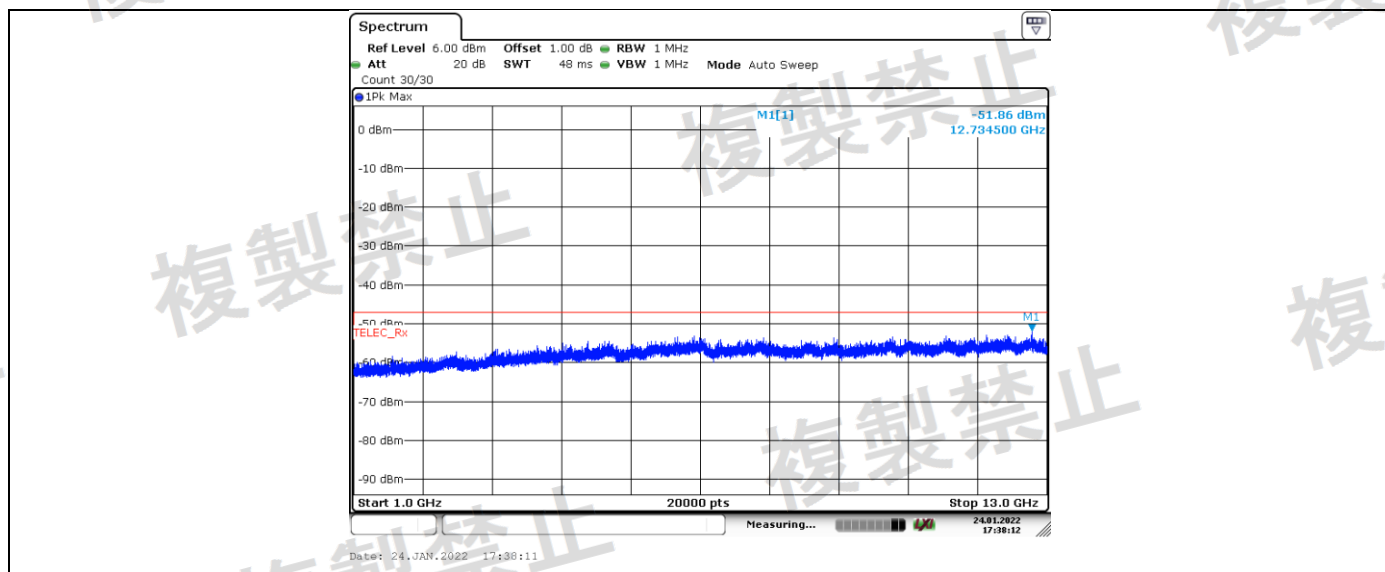
Date: 24.JAN.2022 17:33:18

NTHV_2DH5_Ant1_2480_30~1000



Date: 24.JAN.2022 17:37:14

NTHV_2DH5_Ant1_2480_1000~13000

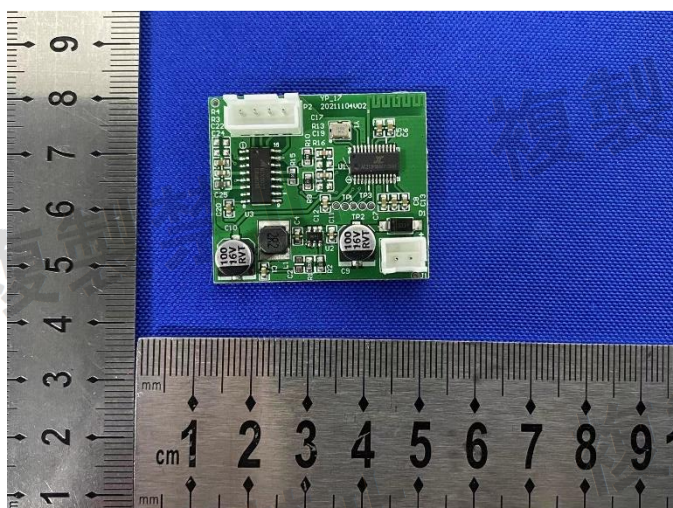


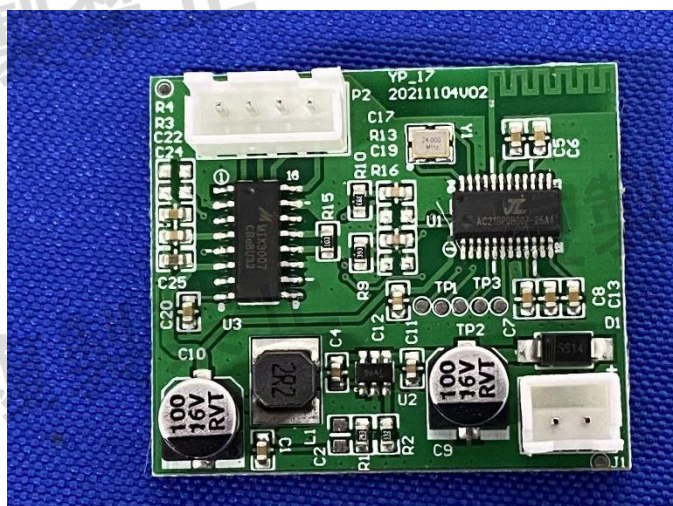
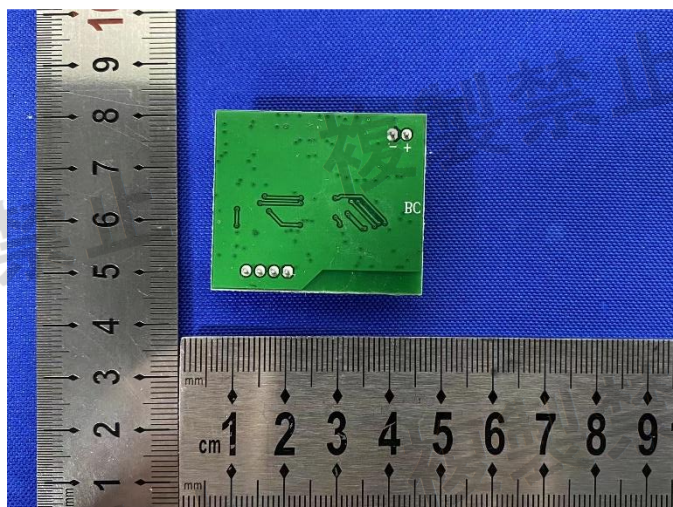
4 Photographs of Test Set-ups



5 Photographs of EUT

Bluetooth module





Speaker

