

TEST REPORT

Applicant: FJ Dynamics Technology Academy (Changzhou) Co., Ltd.
Shenzhen Branch

Address: Room 501, Building 13, Nangang, second Industrial Park,
Nanshan District, shenzhen China

Product Name: Multifunctional Terminal

Model Name: AT210V8

Type of Equipment: Certification Ordinance Article 2, Paragraph 1, Item 19

Test method(s): MIC Notice No.88 of 2004, Appendix No.43 (Version: MIC Notice
No.409 of 2023)

Report Number: 2502V70776E-RF-07B

Report Date: 2025/10/15

The above device has been tested and found compliant with the requirement of the relevant standards by Bay Area Compliance Laboratories Corp. (Dongguan).

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2502V70776E-RF-07B	Original Report	2025/10/15

GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

Product Name:	Multifunctional Terminal
Test Model:	AT210V8
Rated Input Voltage:	DC 9-36V (Typical voltage: DC 12V)
Serial Number:	375K-1
EUT Received Date:	2025/7/22
EUT Received Status:	Good

Accessory Information

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

Technical Specification

Operation Frequency Range (MHz):	2402-2480
Max. RF Output Power (Conducted):	GFSK:0.05mW/MHz, π /4-DQPSK:0.05mW/MHz, 8DPSK:0.05mW/MHz
Number of TX Chain(s):	1
Number of RX Chain(s):	1
Antenna Gain (dBi) [▲] :	1.22
Modulation Type:	GFSK, π /4-DQPSK, 8DPSK
Emission Type	F1D

SUMMARY OF TEST RESULTS

SN	Description of Test	Result
1	Frequency Error	Compliant
2	Occupied Bandwidth and Spread Bandwidth	Compliant
3	Transmitter Spurious Emission and Unwanted Emission Intensity	Compliant
4	Antenna Output Power and Output Power Tolerance	Compliant
5	Receiver Spurious Emission and Unwanted Emission Intensity	Compliant
6	Carrier sense capability (1)	Not Applicable*
7	Carrier sense capability (2)	Not Applicable**
8	Carrier sense capability (3)	Not Applicable***
9	Transmission frequency channel switching function	Not Applicable*
10	Transmission Antenna Gain	Not Applicable****
11	Transmission Radiation Angle Width	Not Applicable****
12	Interference Prevention Function	Compliant
13	Frequency Hopping Dwell Time	Compliant
14	Construction Protection Confirmation	Compliant

Note:

Not Applicable*: Only required for device with “compensating for the reduction of EIRP with output power” function.

Not Applicable**: Only required for OBW between 26MHz and 40MHz with OFDM modulation type.

Not Applicable***: Only required for outdoor use radio control of model airplanes.

Not Applicable****: This item not applicable when the EIRP less than the limit.

DESCRIPTION OF TEST CONFIGURATION

Operation Frequency Detail

The system was configured for testing in engineering mode, which was provided by manufacturer. 79 channels are provided as below table:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	40	2442
1	2403	...	...
...	...	...	...
...	...	...	...
...	...	77	2479
39	2441	78	2480

For lowest, middle and highest channel, EUT was tested with channel 0, 39 and 78.

The extreme voltage test conditions which were declared by the manufacturer and the normal conditions are as below:

NV: Normal Voltage 12V_{DC}

LV: Low Voltage 9V_{DC}

HV: High Voltage 36V_{DC}

The EUT in built a power manage system, power deviation of the RF chipset input is less than 1% when extreme voltage supplied, therefore the test only performed at normal condition. Details as following:

Voltage Condition	Input(V _{DC})	RF System Voltage(V _{DC})
NV	12	3.3
LV	9	3.3
HV	36	3.3

EUT Operation Condition

The EUT was configured for testing in Engineering Mode, which was provided by the manufacturer. The EUT configuration as below:

EUT Exercise Software: ADB			
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer [▲] :			
Mode	Power Level Setting		
	Lowest Channel	Middle Channel	Highest Channel
GFSK	Default	Default	Default
$\pi/4$ -DQPSK	Default	Default	Default
8DPSK	Default	Default	Default

Equipment Modifications

No modifications are made to the EUT during all test items.

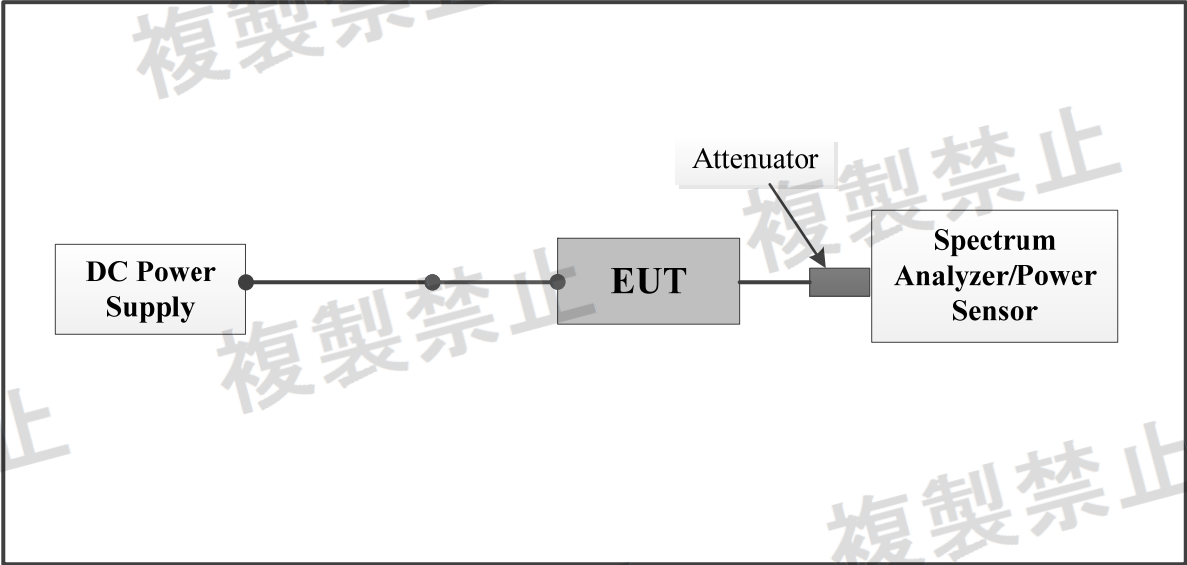
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
/	/	/	/

Support Cable List and Details

Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Power Wiring Harness (With Switch Key)	NO	NO	4.5	DC Power Supply	Main Wiring Harness
Main Wiring Harness	NO	NO	4	Main Wiring Harness	EUT

Configuration of Test Setup



Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Frequency Error	$\pm 0,5$ ppm
Occupied bandwidth and spreading bandwidth	± 5 %
RF output power, conducted	± 0.61 dB
Unwanted Emissions(TX&RX), conducted	± 2.47 dB
Temperature	± 1 °C
Humidity	± 5 %
DC and low frequency voltages	± 0.4 %
Duty Cycle	1 %

1 - FREQUENCY ERROR

Limit

Within $\pm 50\text{ppm}$.

Test Procedure

Set the EUT to the measurement frequency without modulation.

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

Record the peak spot frequency.

If the EUT can't set at un-modulation mode, measure the 10dBc center frequency.

Test Data

Test Result: Compliant. The details please refer to the Appendix.

2 - OCCUPIED BANDWIDTH AND SPREADING BANDWIDTH

Limit

- Occupied bandwidth: ≤ 83.5 MHz
- Spread Bandwidth: ≥ 500 kHz, Spread factor ≥ 5 .

Test Procedure

- ❖ Conditions of Application Equipment (EUT)
 - The modulation state shall be “continuous frequency-hopping mode” by spread spectrum.
- ❖ Spectrum Analyzer Conditions
 - RBW: 300 kHz
 - VBW: 300 kHz
 - Sweep time: Auto, Marker: Marker Off
 - Log scale : 10dB/Div, Data points : 501points (400 points or more)
 - Detection: Positive Peak, Sweep mode: Continuous

Test Data

Test Result: Compliant. The details please refer to the Appendix.

3 - TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Limit

- $f < 1000 \text{ MHz}$: $\leq 0.25 \mu\text{W}/100\text{kHz}$
- $f < 2387 \text{ MHz}$, $f > 2496.5 \text{ MHz}$: $\leq 2.5 \mu\text{W}/\text{MHz}$
- $2387 \text{ MHz} \leq f \leq 2400 \text{ MHz}$; $2483.5 \text{ MHz} < f \leq 2496.5 \text{ MHz}$: $\leq 25 \mu\text{W}/\text{MHz}$

Test Procedure

❖ Conditions of Application Equipment (EUT)

- The modulation state shall be in continuously transmitting mode.

❖ Spectrum Analyzer Conditions

Step1:

- Setting of SA start 30MHz and stop frequency 1000MHz, RB:100kHz/VB:100kHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $0.25 \mu\text{W}/100\text{kHz}$.
- Setting of SA start 1000MHz and stop frequency 2387MHz, RBW: 1MHz/VBW: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. Reading value + cable loss shall be less than $2.5 \mu\text{W}/\text{MHz}$.
- Setting of SA start 2387MHz and stop frequency 2400MHz, RBW: 1MHz/VBW: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. Reading value + cable loss shall be less than $25 \mu\text{W}/\text{MHz}$.
- Setting of SA start 2483.5MHz and stop frequency 2496.5MHz, RBW: 1MHz/VBW: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. Reading value + cable loss shall be less than $25 \mu\text{W}/\text{MHz}$.
- Setting of SA start 2496.5MHz and stop frequency 12500MHz, RBW: 1MHz/VBW: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. Reading value + cable loss shall be less than $2.5 \mu\text{W}/\text{MHz}$.

Step 2:

- Center frequency: Searched Frequency
- Span: 0Hz
- RBW:1MHz(Above 1GHz), 100 kHz(30MHz-1GHz). VBW: Same as RBW.
- Sweep time: Auto(Minimum time to ensure measurement accuracy. *In case of burst wave, one burst shall be included per data point) Data points: 400 points or more. Sweep mode: Single Sweep.
- Detection Mode: Sample

Test Data

Test Result: Compliant. The details please refer to the Appendix.

4 - ANTENNA OUTPUT POWER AND ANTENNA POWER TOLERANCE

Limit

- $\leq 3 \text{ mW /MHz}$
- The Output Power Tolerance must be within +20% ~ -80%.
- $\text{EIRP} \leq 6.91\text{dBm/MHz}$

Test Procedure

For FHSS UUT:

- Connect the UUT to the power meter in a state of hopping mode.
- Set the power meter to trace average across the pulse on period, record the reading level on power meter.
- Calculate the mean power per 1MHz by dividing the reading level by “Spread Bandwidth”.

Test Data

Test Result: Compliant. The details please refer to the Appendix.

5 - RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY

Limit

- $\leq 4\text{nW}$ ($30\text{ MHz} \leq f \leq 1000\text{ MHz}$)
- $\leq 20\text{ nW}$ ($1\text{ GHz} \leq f \leq 12.5\text{ GHz}$)

Test Procedure

❖ Conditions of Application Equipment (EUT)

- The modulation state shall be “continuous receiving mode”.

❖ Spectrum Analyzer Conditions

- Start Frequency: Start Frequency of frequency range to measure (30MHz or 1GHz)
- Stop Frequency: Stop Frequency of frequency range to measure (1GHz or 12.5GHz)
- Span: AUTO (Measurement Range)
- RBW: 100 kHz, VBW: 100 kHz for Frequency $< 1\text{ GHz}$
- RBW: 1MHz, VBW: 1MHz for Frequency $> 1\text{ GHz}$
- Sweep time: AUTO or more
- Sweep mode: Auto Sweep
- Detection: Positive Peak
- Reference Level: Enough level for maximum dynamic range

Test Data

Test Result: Compliant. The details please refer to the Appendix.

12 - INTERFERENCE PREVENTION FUNCTION

Requirement

Article 6-2.3 of Regulations for Enforcement of the radio law

A wireless device used mainly in the same premises to automatically transmit or receive identification codes.

Article 1.8 of MPT Ministerial Notice No. 424 of 1994 (the last revision: Notice No. 374 of Nov. 10, 2023)

48 bits or more. However, for radio of the following frequencies, the requirement is 19 bits or more:

- (1), 5150-5250MHz; 5470-5730MHz; 5925-6425MHz;
- (2), 24.77-25.23GHz;
- (3), 57-66GHz.

Test Procedure

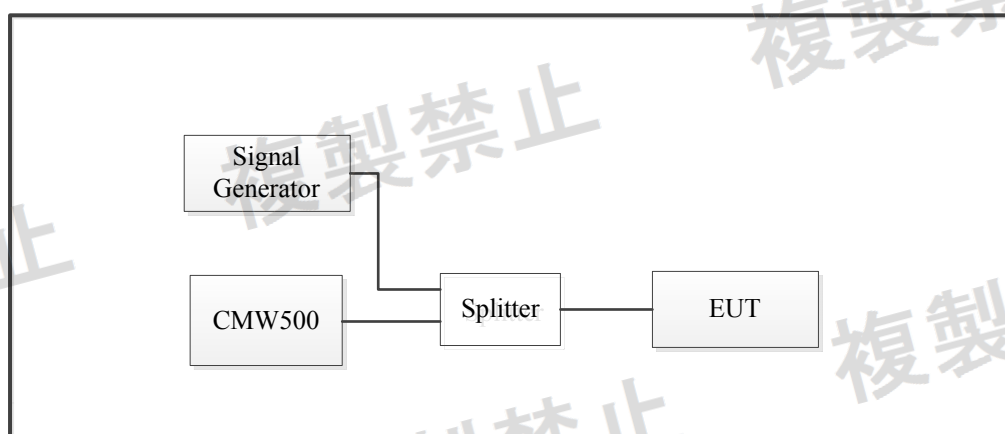
In the case that the EUT has the function of automatically transmitting the identification code:

1. Transmit the predetermined identification codes from EUT
2. Check the transmitted identification codes with the demodulator.

In the case of receiving the identification codes:

1. Transmit the predetermined identification codes from the counterpart.
2. Check if communication is normal
3. Transmit the signal other than predetermined ID codes from the counterpart.
4. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

Test Setup Block Diagram



Test Data

Test Result: Compliant. The details please refer to the Appendix.

13 - FREQUENCY HOPPING DWELL TIME

Applicable Standard

According to Radio Law Radio Equipment Regulations Article 49-20, frequency dwell time is 0.4 seconds or below.

Test Procedure

❖ Conditions of Application Equipment (EUT)

- Set the application equipment (EUT) to the measurement frequency.
- The modulation state shall be “continuous (burst) transmission mode”. If impossible, it shall be “continuous frequency-hopping mode”.

Test Data

Test Result: Compliant. The details please refer to the Appendix.

14 - CONSTRUCTION PROTECTION CONFIRMATION

Limit

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

Confirmation Result

Compliant, the RF part (Except for antenna) was covered by metal shielding case, it can't be opened easily. Please refer the EUT photo.

EXHIBIT A – EUT PHOTOGRAPHS

Please refer to the attachment 2502V70776E-RF-EXP EUT External photos and 2502V70776E-RF-INP EUT Internal photos.

EXHIBIT B – TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2502V70776E-RF-07-TSP Test Setup Photos.

APPENDIX - TEST DATA

Frequency Error

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7	Relative Humidity: (%)	73	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2025/7/28	2026/7/27	BACL Metrology	C
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/07	2026/06/06	BACL(DG)	D
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A	N/A	N/A

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

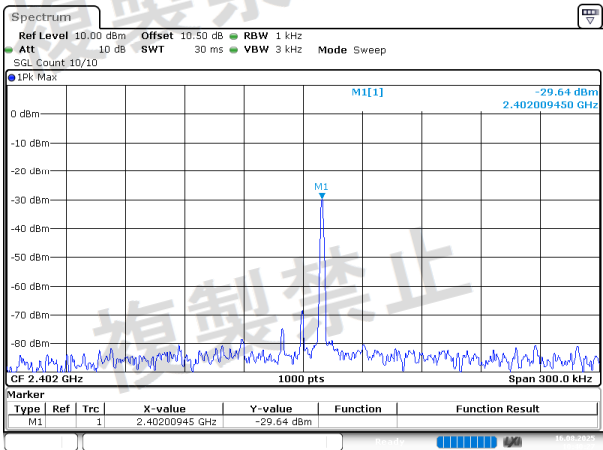
Test Condition: NV

Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	2402	2402.00945	3.93	± 50	Pass
	2441	2441.00945	3.87		Pass
	2480	2480.00945	3.81		Pass

Frequency Tolerance = (Measure Frequency - Frequency)/Frequency*10⁶

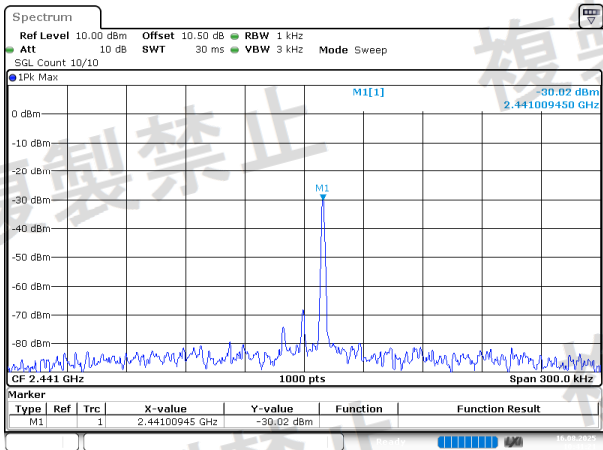
Test Condition: NV

2402MHz



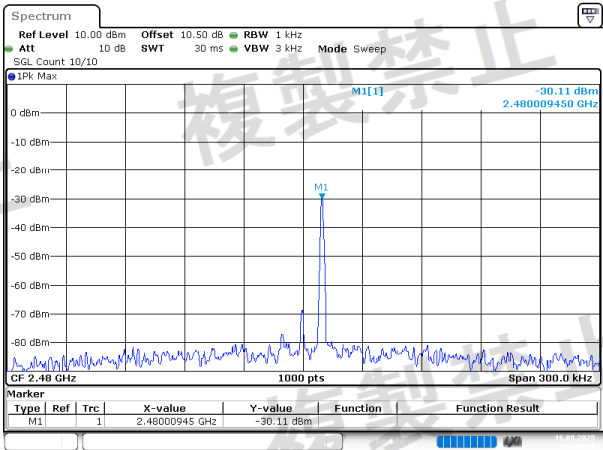
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:40:28

2441MHz



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:41:21

2480MHz



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:41:58

Occupied Bandwidth and Spreading Bandwidth

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7	Relative Humidity: (%)	73	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2025/7/28	2026/7/27	BACL Metrology	C
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/07	2026/06/06	BACL(DG)	D
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A	N/A	N/A

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

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- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

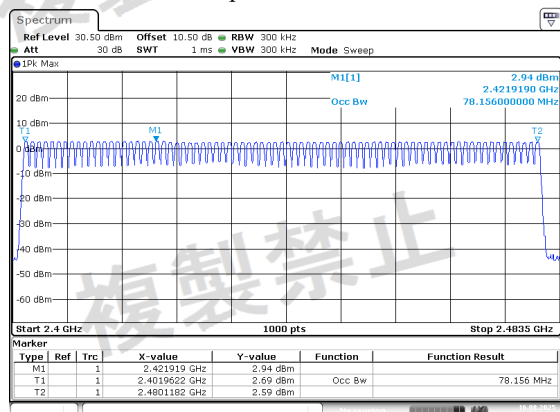
Mode	Packet Type	Occupied bandwidth (MHz)		Spreading bandwidth (MHz)		Spreading factor		Result
		Measured	Limit	Measured	Limit	Measured	Limit	
GFSK	DH1	78.156	≤ 83.5	71.309	≥ 0.5	71.309	> 5	Pass
	DH3	78.156	≤ 83.5	71.393	≥ 0.5	71.393	> 5	Pass
	DH5	78.156	≤ 83.5	71.309	≥ 0.5	71.309	> 5	Pass
$\pi/4$ -DQPSK	2DH1	78.323	≤ 83.5	71.393	≥ 0.5	71.393	> 5	Pass
	2DH3	78.323	≤ 83.5	71.476	≥ 0.5	71.476	> 5	Pass
	2DH5	78.323	≤ 83.5	71.309	≥ 0.5	71.309	> 5	Pass
8DPSK	3DH1	78.323	≤ 83.5	71.476	≥ 0.5	71.476	> 5	Pass
	3DH3	78.323	≤ 83.5	71.393	≥ 0.5	71.393	> 5	Pass
	3DH5	78.323	≤ 83.5	71.393	≥ 0.5	71.393	> 5	Pass

Note: Spread Factor = Spread Bandwidth/modulation rate. The modulation rate: MR=1.

Test Condition: NV

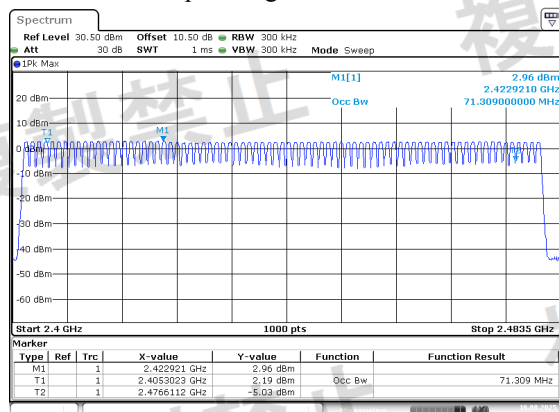
GFSK_Hopping_DH1

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:34:14

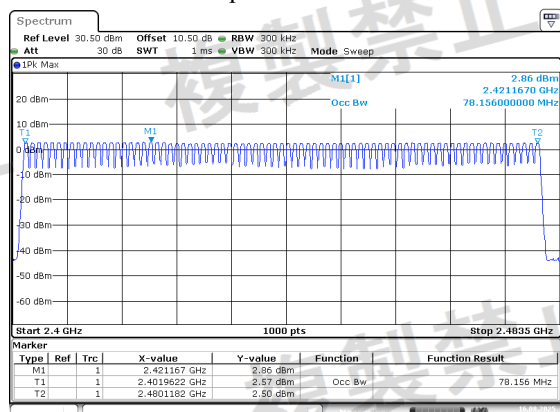
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:35:01

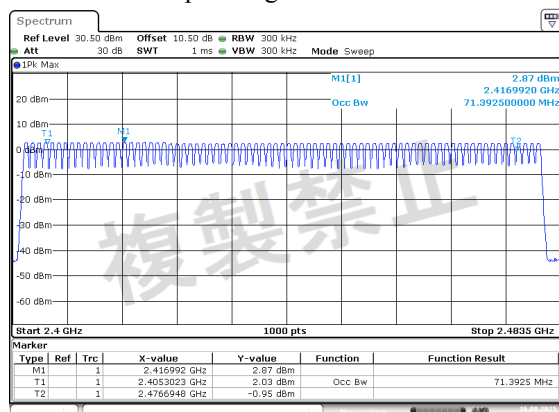
GFSK_Hopping_DH3

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:37:47

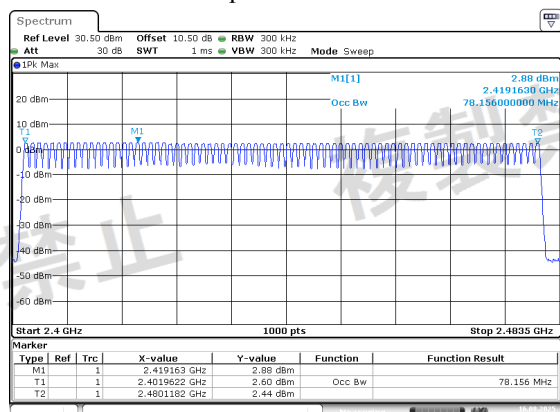
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:38:27

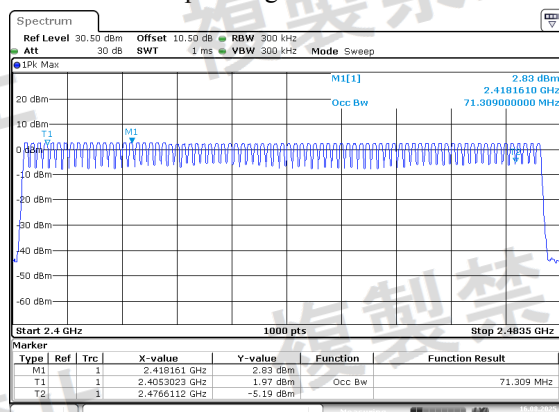
GFSK_Hopping_DH5

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:40:28

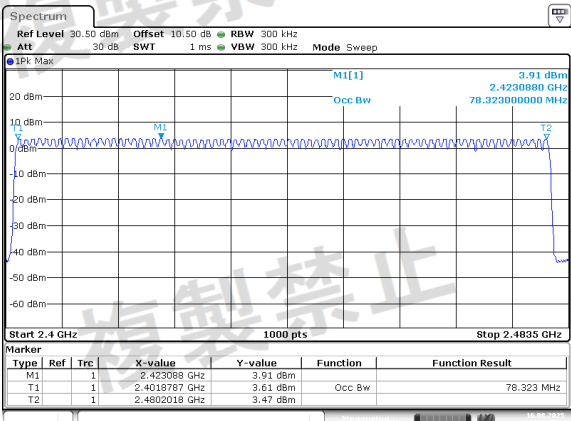
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:41:11

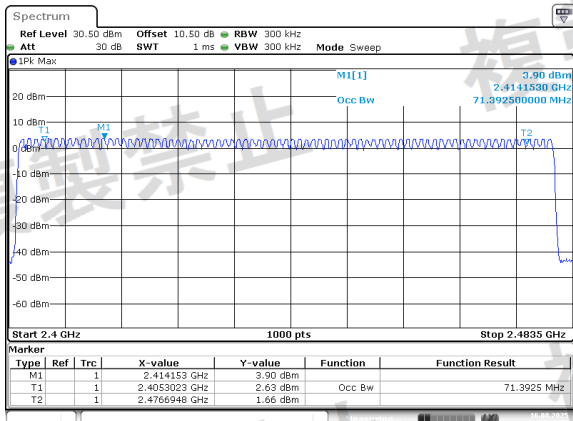
$\pi/4$ -DQPSK_Hopping_2DH1

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:43:09

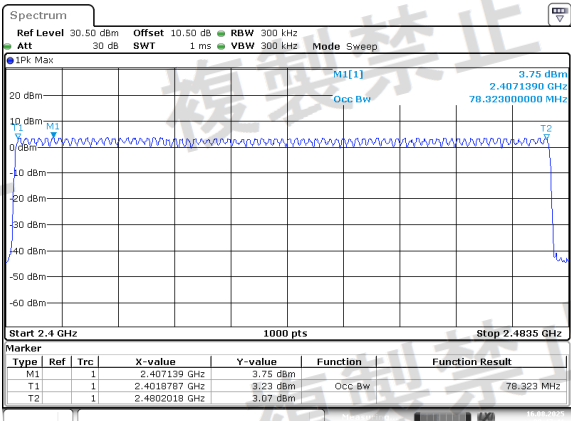
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:43:55

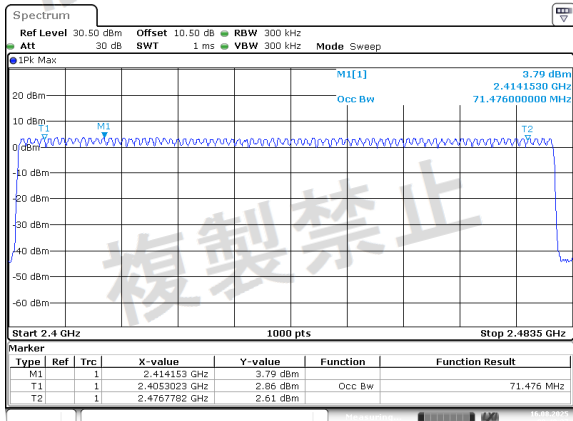
$\pi/4$ -DQPSK_Hopping_2DH3

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:47:41

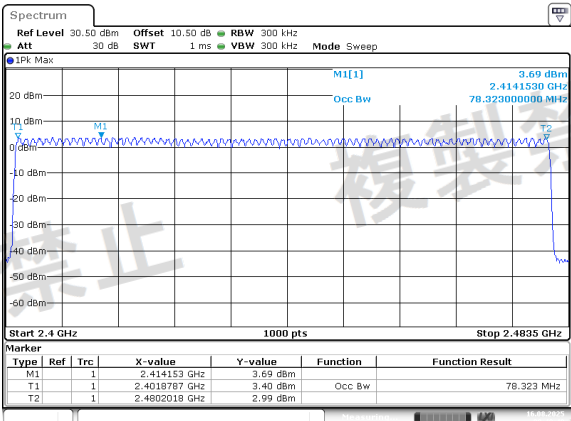
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:48:28

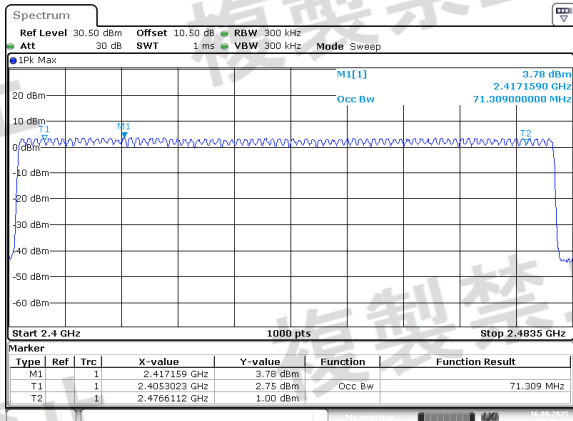
$\pi/4$ -DQPSK_Hopping_2DH5

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:49:48

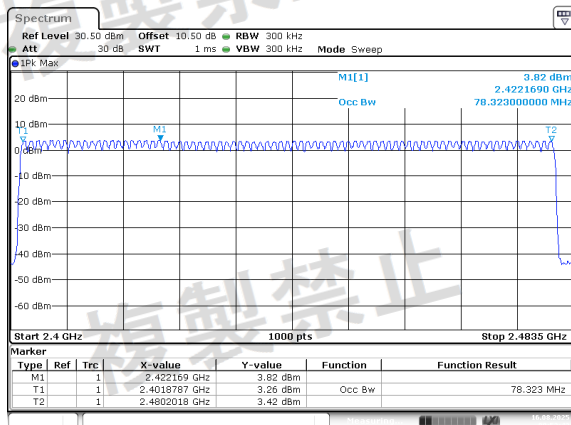
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:50:41

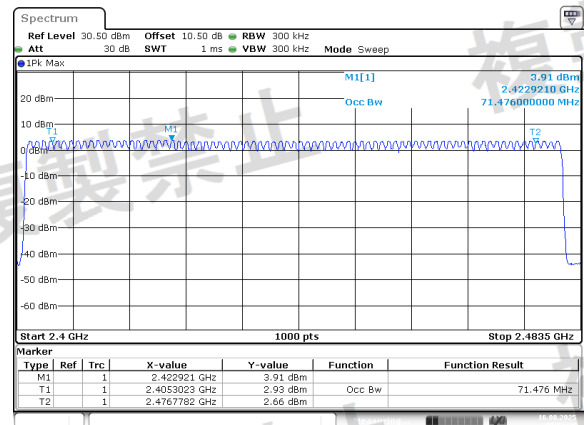
8DPSK_Hopping_3DH1

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:52:43

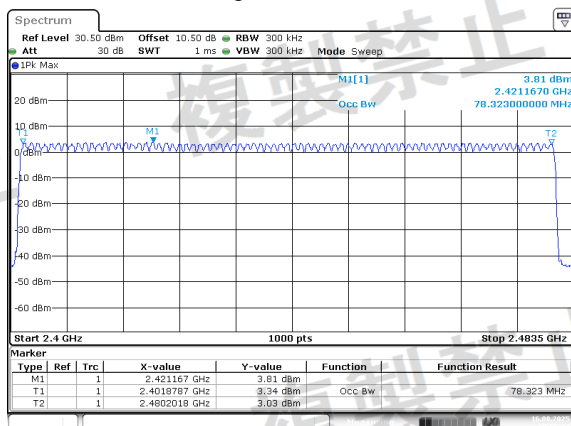
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:53:36

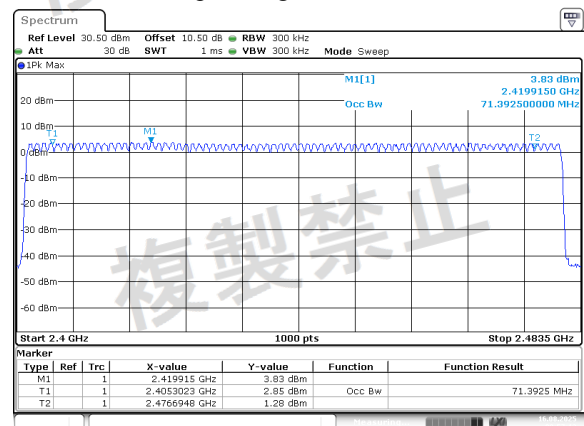
8DPSK_Hopping_3DH3

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:56:24

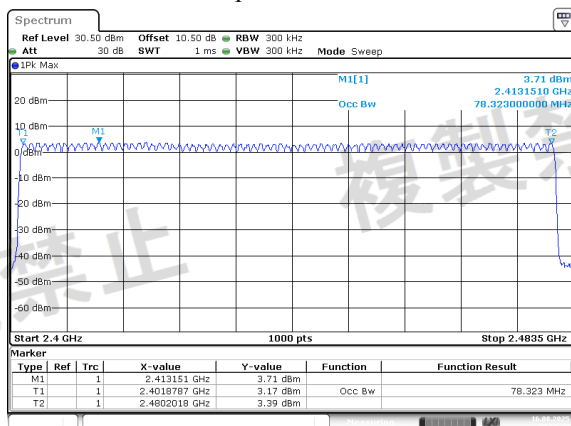
Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:57:13

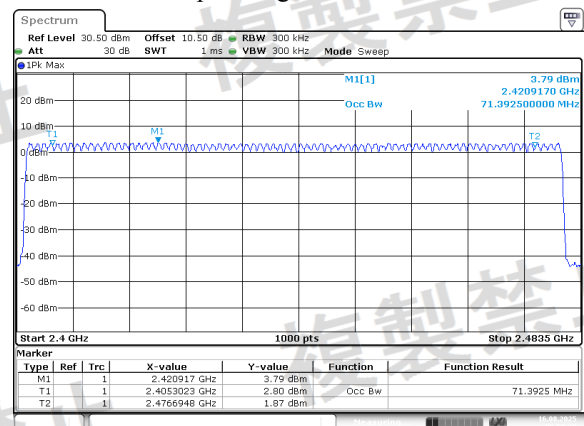
8DPSK_Hopping_3DH5

Occupied Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:58:29

Spreading Bandwidth



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:59:21

Frequency Hopping Dwell Time

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16~2025/09/22
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26~26.7	Relative Humidity: (%)	73~74	ATM Pressure: (kPa)	100.2~100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2025/7/28	2026/7/27	BACL Metrology	C
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/07	2026/06/06	BACL(DG)	D
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A	N/A	N/A

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

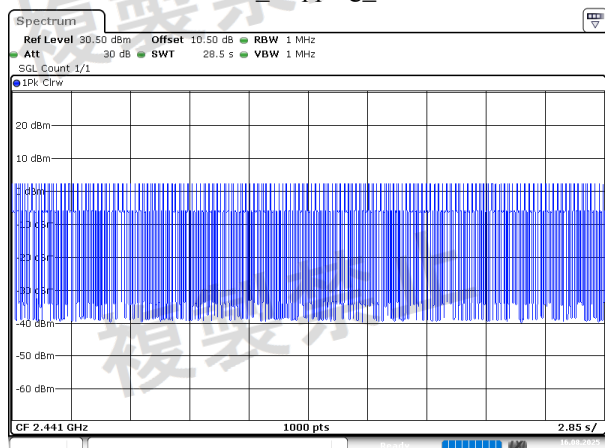
Mode	Packet Type	Spreading bandwidth	Ton (ms)	Observed Period(s)	Hopping Number In Observed Period	Result (s)	Limit(s)	Verdict
GFSK	DH1	71.309	0.379	28.524	205	0.078	≤ 0.4	Pass
	DH3	71.393	1.633	28.557	115	0.188		Pass
	DH5	71.309	2.880	28.524	90	0.259		Pass
$\pi/4$ -DQPSK	2DH1	71.393	0.386	28.557	205	0.079		Pass
	2DH3	71.476	1.634	28.590	112	0.183		Pass
	2DH5	71.309	2.884	28.524	72	0.208		Pass
8DPSK	3DH1	71.476	0.386	28.590	202	0.078		Pass
	3DH3	71.393	1.638	28.557	118	0.193		Pass
	3DH5	71.393	2.884	28.557	73	0.211		Pass

Note:

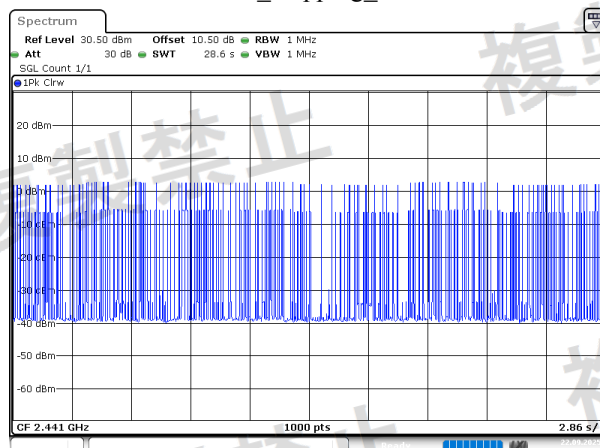
1. Dwell time = Time per one hopping (Ton) * hopping number (within the time obtained by multiplying the spread rate by 0.4s).
2. The Spread Bandwidth please refer to Occupied Bandwidth and Spreading Bandwidth.
3. Ton refers to the Duty Cycle.

Test Condition: NV

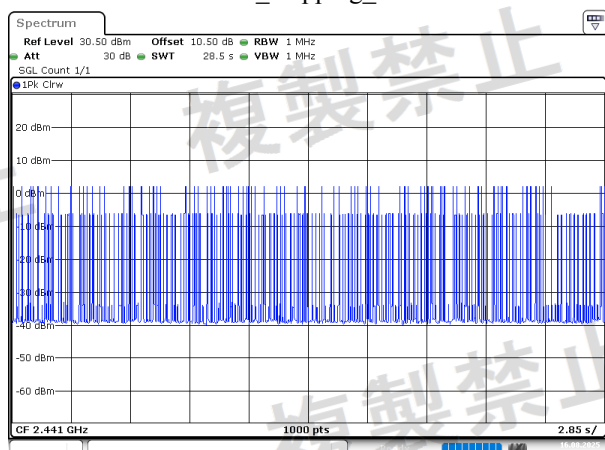
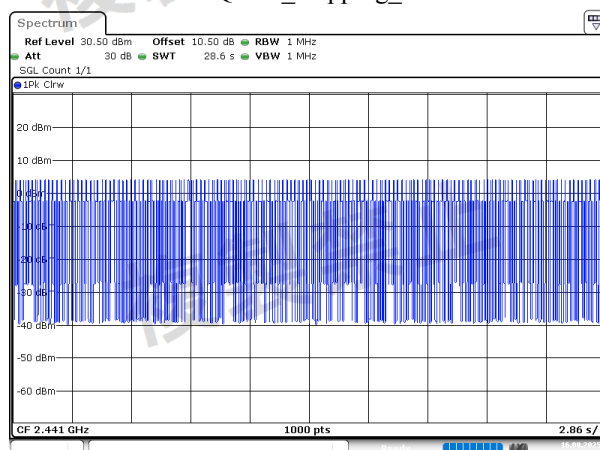
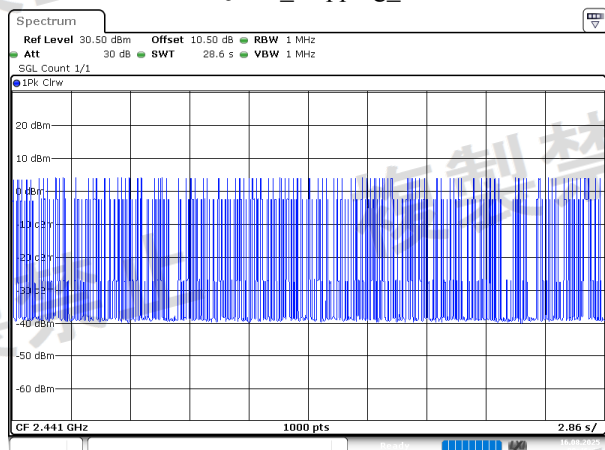
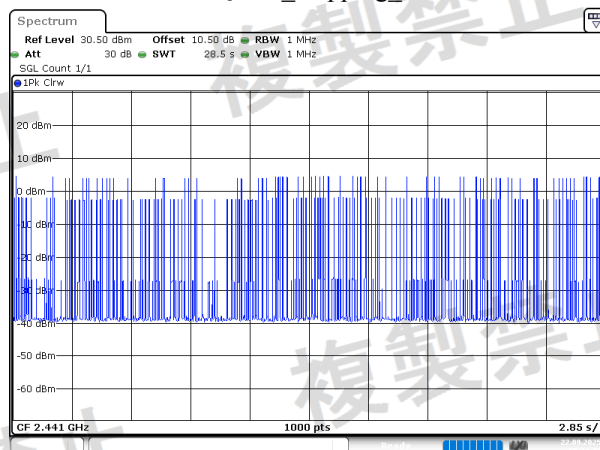
GFSK_Hopping_DH1



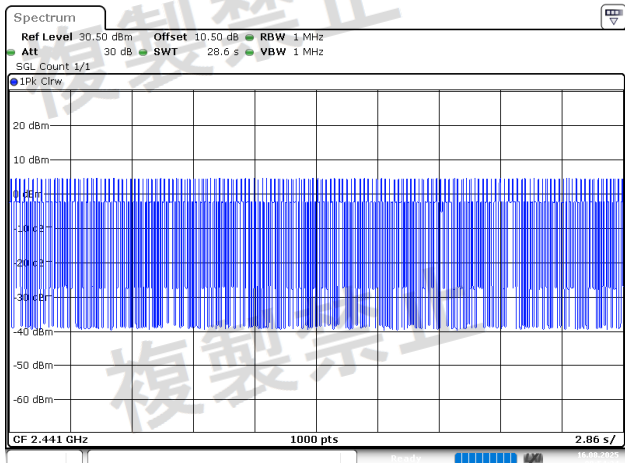
GFSK_Hopping_DH3



GFSK_Hopping_DH5

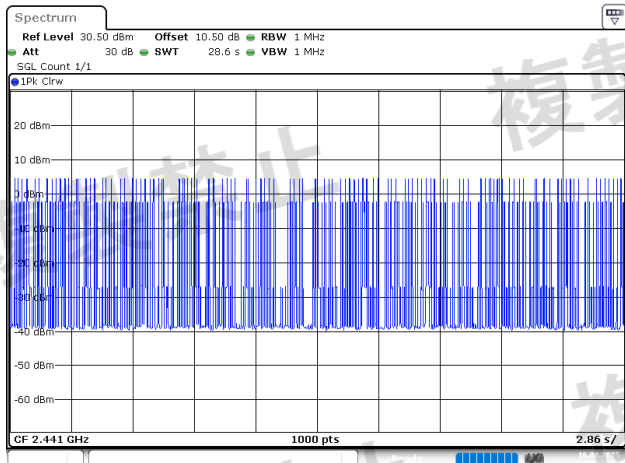
 $\pi/4$ -DQPSK_Hopping_2DH1 $\pi/4$ -DQPSK_Hopping_2DH3 $\pi/4$ -DQPSK_Hopping_2DH5

8DPSK_Hopping_3DH1



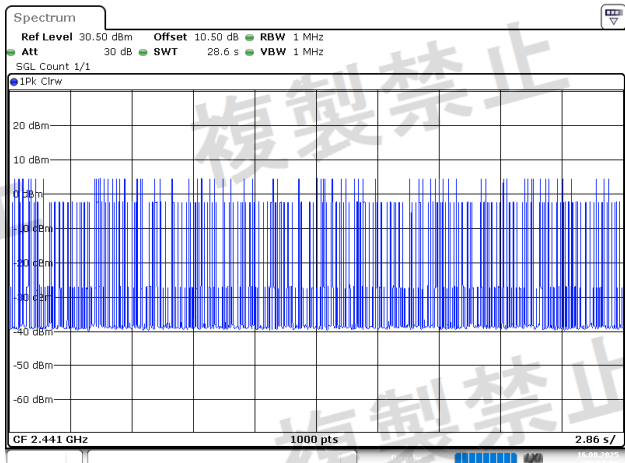
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:54:25

8DPSK_Hopping_3DH3



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:55:26

8DPSK_Hopping_3DH5



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:59:57

Transmitter Spurious Emission and Unwanted Emission Intensity

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7	Relative Humidity: (%)	73	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2025/7/28	2026/7/27	BACL Metrology	C
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/07	2026/06/06	BACL(DG)	D
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A	N/A	N/A

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV, GFSK

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start (MHz)	Stop (MHz)					
Low	Band I (100kHz)	30	1000	867.84	-48.02	0.016	0.25	Pass
	Band II (1MHz)	1000	2387	2381.8	-38.15	0.153	2.50	Pass
	Band III (1MHz)	2387	2400	2399.9968	-35.13	0.307	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2492.0378	-37.80	0.166	25	Pass
	Band V (1MHz)	2496.5	12500	10211.7	-33.56	0.441	2.50	Pass
Middle	Band I (100kHz)	30	1000	955.62	-47.27	0.019	0.25	Pass
	Band II (1MHz)	1000	2387	2311.76	-38.78	0.132	2.50	Pass
	Band III (1MHz)	2387	2400	2389.4408	-37.39	0.182	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2494.3453	-37.88	0.163	25	Pass
	Band V (1MHz)	2496.5	12500	5835.2	-33.86	0.411	2.50	Pass
High	Band I (100kHz)	30	1000	809.64	-47.55	0.018	0.25	Pass
	Band II (1MHz)	1000	2387	2354.75	-38.44	0.143	2.50	Pass
	Band III (1MHz)	2387	2400	2390.2663	-38.04	0.157	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2491.3618	-37.84	0.164	25	Pass
	Band V (1MHz)	2496.5	12500	6820.5	-33.79	0.418	2.50	Pass

Test Condition: NV, π/4-DQPSK

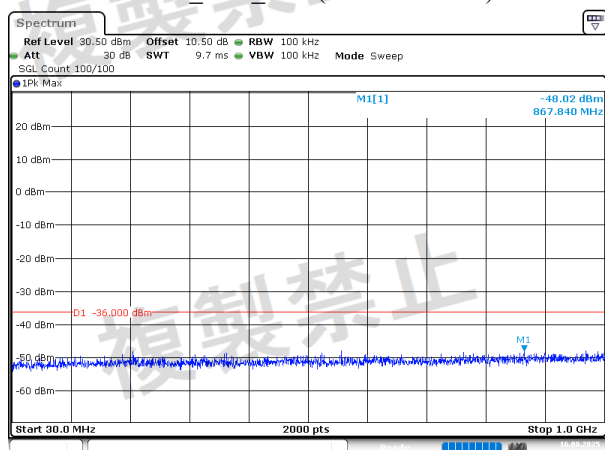
Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start (MHz)	Stop (MHz)					
Low	Band I (100kHz)	30	1000	931.86	-47.21	0.019	0.25	Pass
	Band II (1MHz)	1000	2387	2155.02	-38.57	0.139	2.50	Pass
	Band III (1MHz)	2387	2400	2399.9968	-27.81	1.656	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2486.1163	-38.40	0.145	25	Pass
	Band V (1MHz)	2496.5	12500	6825.5	-33.75	0.422	2.50	Pass
Middle	Band I (100kHz)	30	1000	952.23	-47.92	0.016	0.25	Pass
	Band II (1MHz)	1000	2387	2049.61	-37.82	0.165	2.50	Pass
	Band III (1MHz)	2387	2400	2392.6713	-38.49	0.142	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2486.4153	-38.24	0.150	25	Pass
	Band V (1MHz)	2496.5	12500	6980.6	-33.82	0.415	2.50	Pass
High	Band I (100kHz)	30	1000	911.97	-47.58	0.017	0.25	Pass
	Band II (1MHz)	1000	2387	2186.23	-38.62	0.137	2.50	Pass
	Band III (1MHz)	2387	2400	2388.5373	-38.21	0.151	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2488.6968	-38.16	0.153	25	Pass
	Band V (1MHz)	2496.5	12500	5810.2	-33.69	0.428	2.50	Pass

Test Condition: NV, 8DPSK

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start (MHz)	Stop (MHz)					
Low	Band I (100kHz)	30	1000	643.77	-47.33	0.018	0.25	Pass
	Band II (1MHz)	1000	2387	2136.3	-38.16	0.153	2.50	Pass
	Band III (1MHz)	2387	2400	2399.9968	-28.16	1.528	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2488.9113	-38.07	0.156	25	Pass
	Band V (1MHz)	2496.5	12500	6735.5	-33.63	0.434	2.50	Pass
Middle	Band I (100kHz)	30	1000	961.44	-47.99	0.016	0.25	Pass
	Band II (1MHz)	1000	2387	2143.93	-37.67	0.171	2.50	Pass
	Band III (1MHz)	2387	2400	2394.9593	-39.14	0.122	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2486.7728	-37.54	0.176	25	Pass
	Band V (1MHz)	2496.5	12500	6070.3	-33.82	0.415	2.50	Pass
High	Band I (100kHz)	30	1000	934.77	-48.11	0.015	0.25	Pass
	Band II (1MHz)	1000	2387	1851.96	-38.33	0.147	2.50	Pass
	Band III (1MHz)	2387	2400	2399.9123	-38.72	0.134	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2486.2528	-37.61	0.173	25	Pass
	Band V (1MHz)	2496.5	12500	5895.2	-33.37	0.460	2.50	Pass

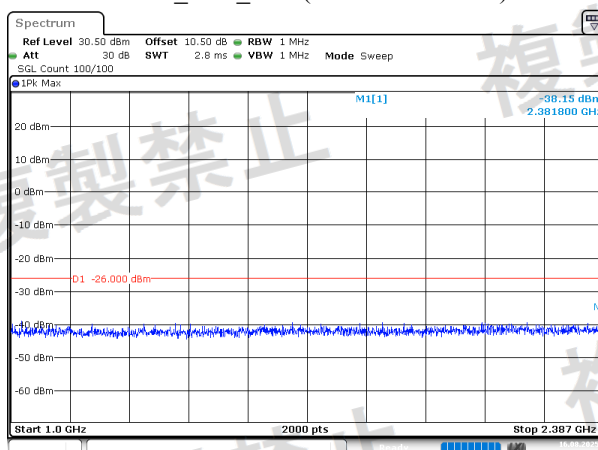
Test Condition: NV

GFSK_Low_DH1(30MHz~1GHz)



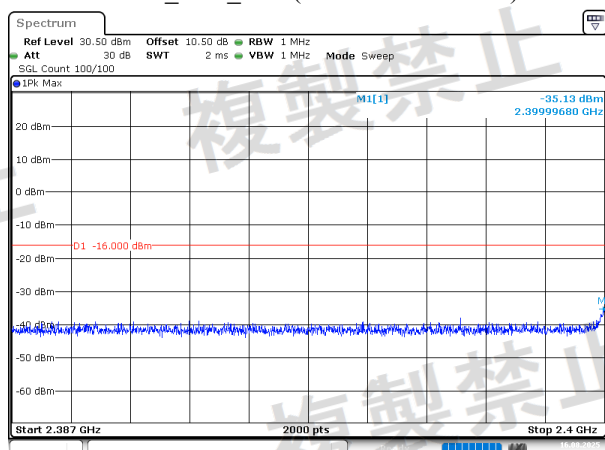
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:24:18

GFSK_Low_DH1(1GHz~2.387GHz)



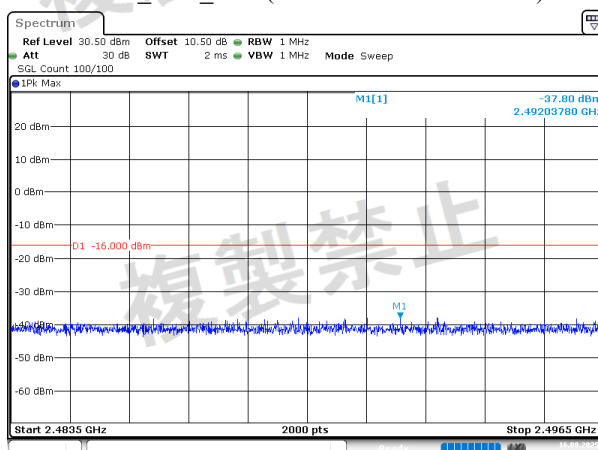
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:24:28

GFSK_Low_DH1(2.387GHz~2.4GHz)



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:24:38

GFSK_Low_DH1(2.4835GHz~2.4965GHz)



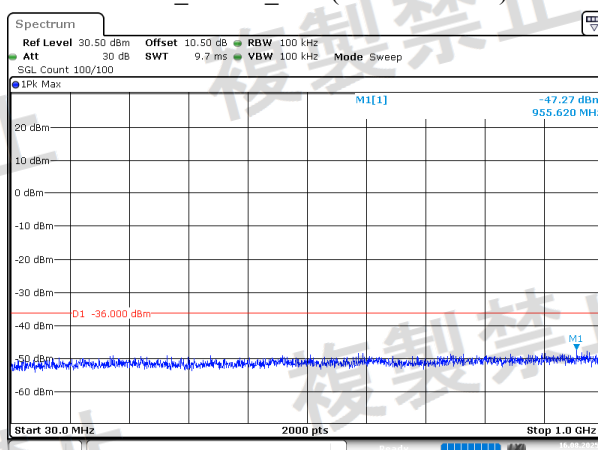
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Date: 16.AUG.2025 10:24:48

GFSK_Low_DH1(2.4965GHz~12.5GHz)



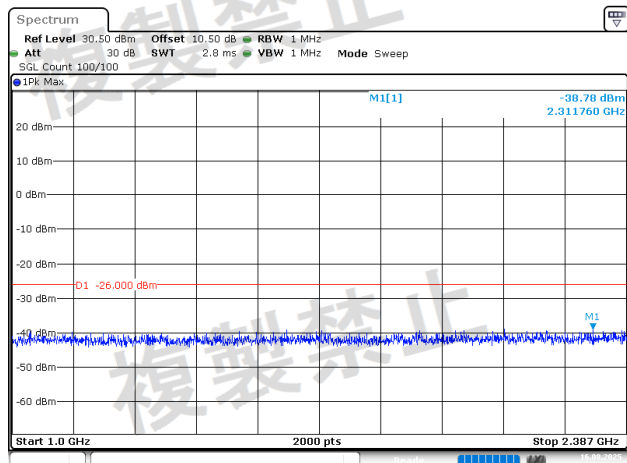
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Date: 16.AUG.2025 10:25:11

GFSK_Middle_DH1(30MHz~1GHz)



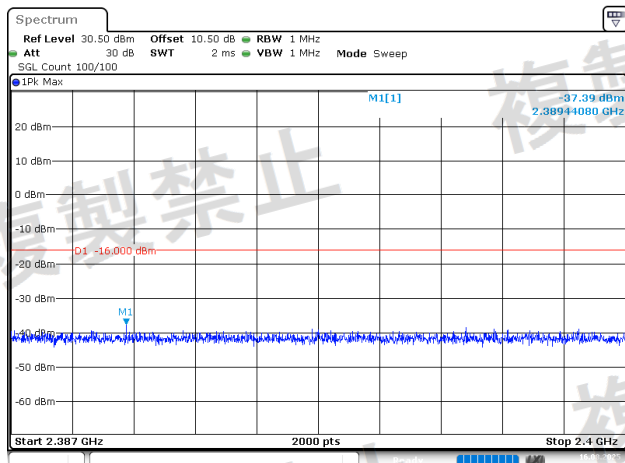
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Date: 16.AUG.2025 10:25:54

GFSK_Middle_DH1(1GHz~2.387GHz)



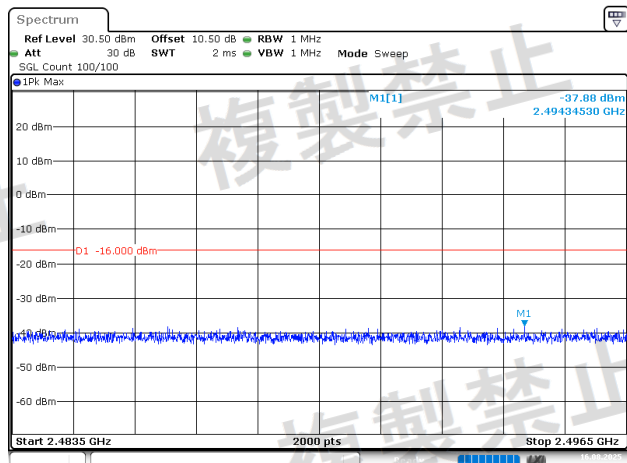
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Date: 16.AUG.2025 10:26:04

GFSK_Middle_DH1(2.387GHz~2.4GHz)



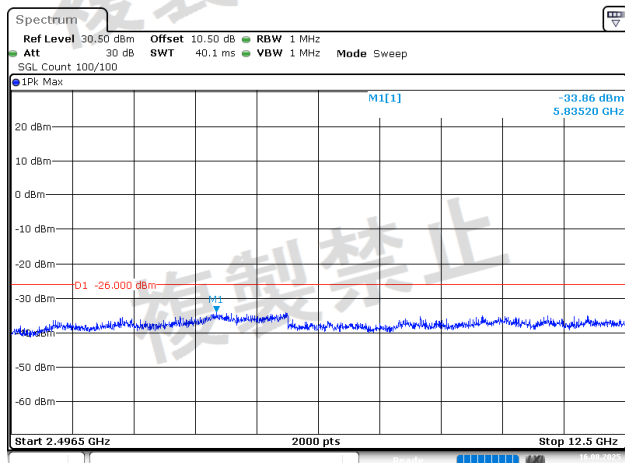
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GFSK_Middle_DH1(2.4835GHz~2.4965GHz)



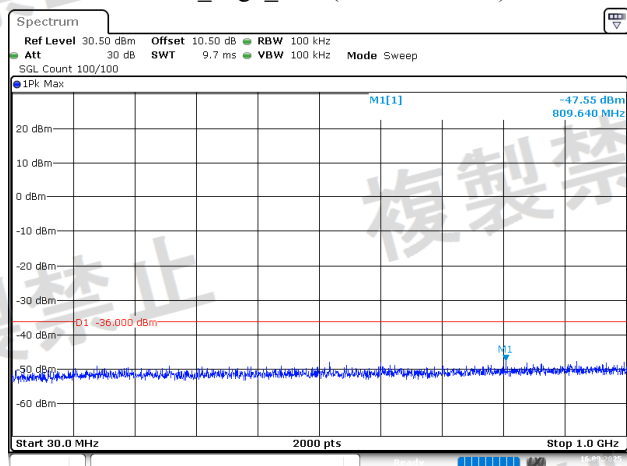
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Date: 16.AUG.2025 10:26:24

GFSK_Middle_DH1(2.4965GHz~12.5GHz)



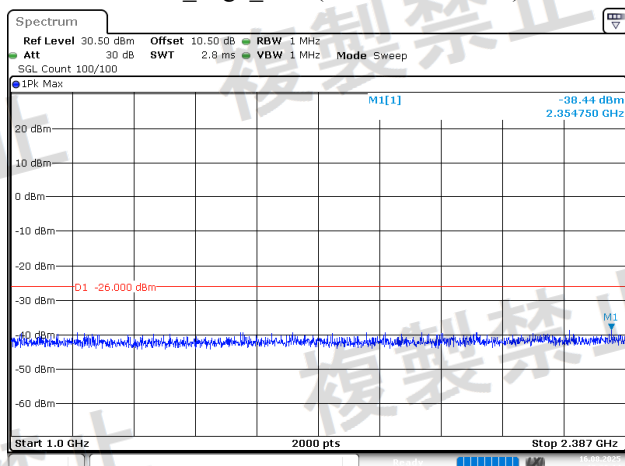
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Date: 16.AUG.2025 10:26:47

GFSK_High_DH1(30MHz~1GHz)



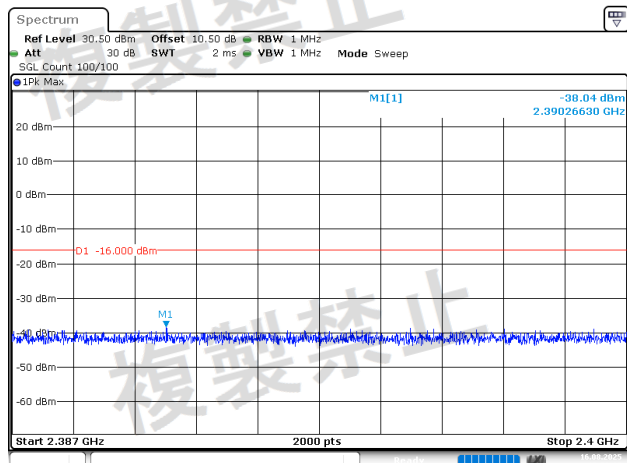
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:28:05

GFSK_High_DH1(1GHz~2.387GHz)



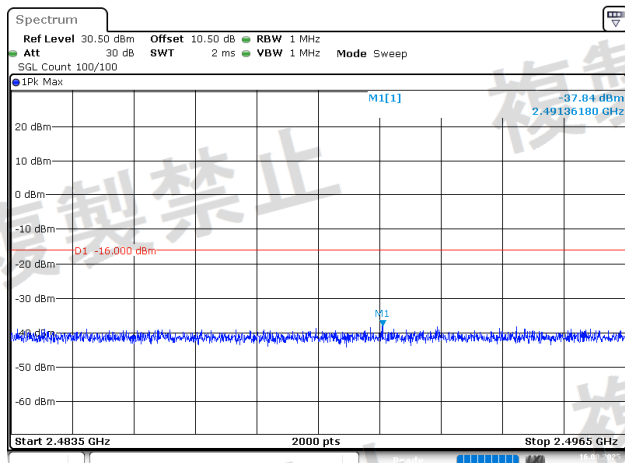
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GFSK_High_DH1(2.387GHz~2.4GHz)



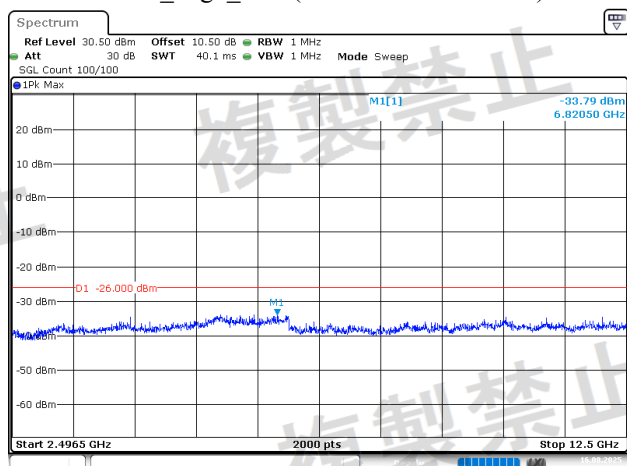
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Date: 16.AUG.2025 10:28:24

GFSK_High_DH1(2.4835GHz~2.4965GHz)

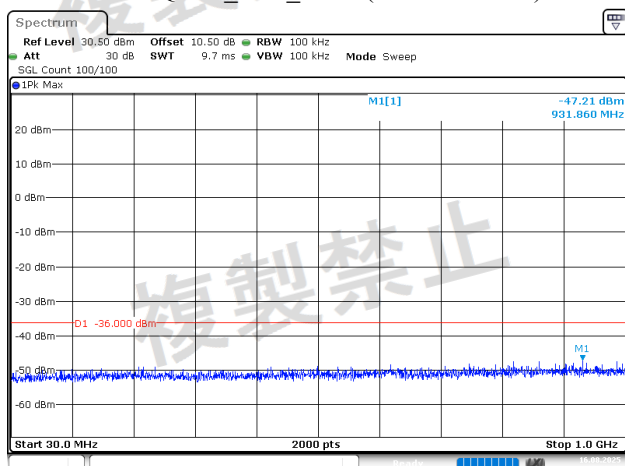


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Date: 16.AUG.2025 10:28:34

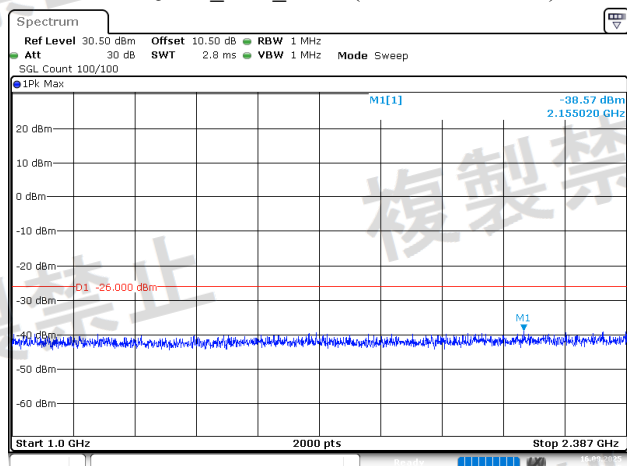
GFSK_High_DH1(2.4965GHz~12.5GHz)



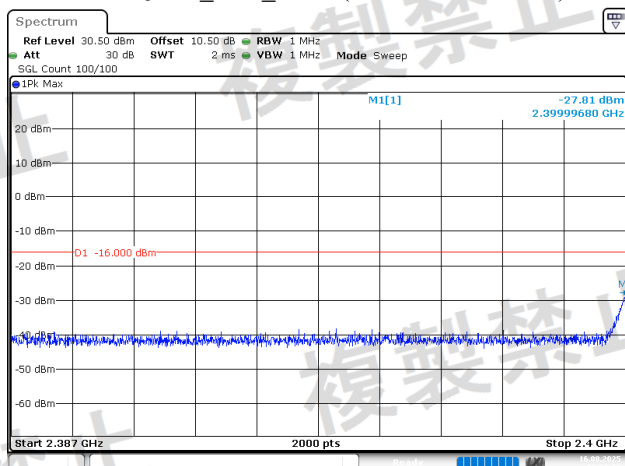
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:28:57

 $\pi/4$ -DQPSK_Low_2DH1(30MHz~1GHz)

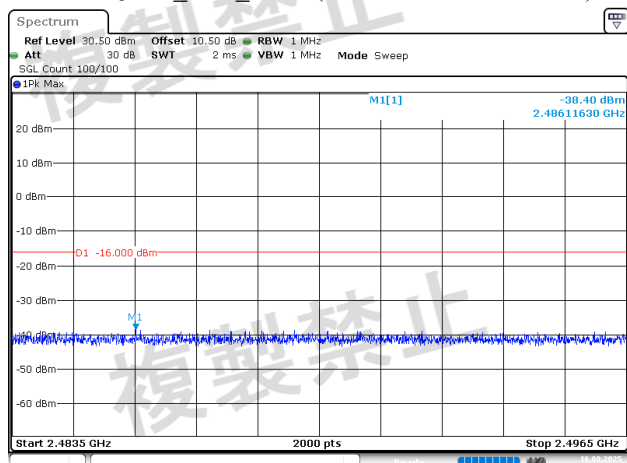
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:29:45

 $\pi/4$ -DQPSK_Low_2DH1(1GHz~2.387GHz)

ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:29:55

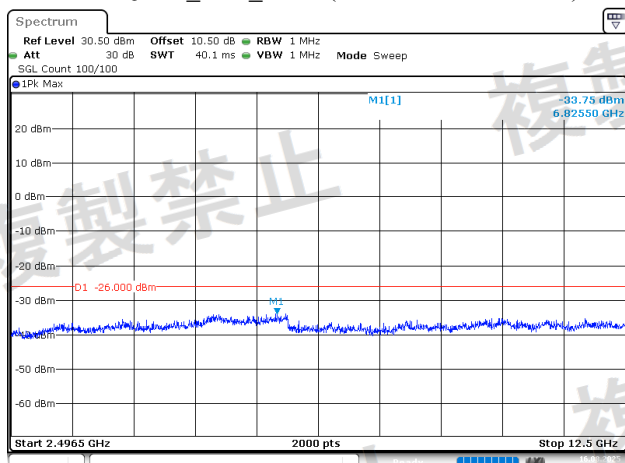
 $\pi/4$ -DQPSK_Low_2DH1(2.387GHz~2.4GHz)

ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:30:05

$\pi/4$ -DQPSK_Low_2DH1(2.4835GHz~2.4965GHz)

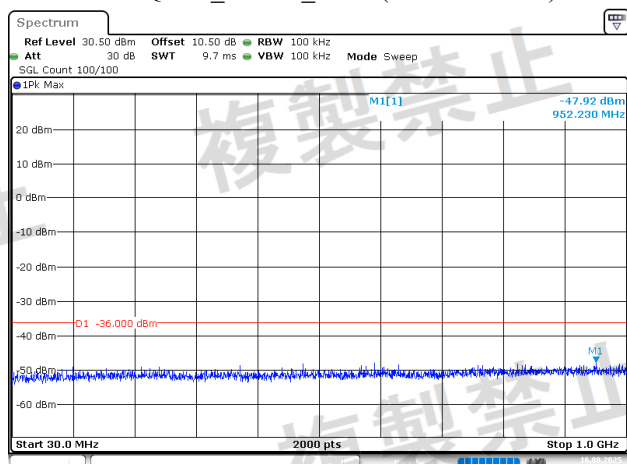
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou

Date: 16.AUG.2025 10:30:16

 $\pi/4$ -DQPSK_Low_2DH1(2.4965GHz~12.5GHz)

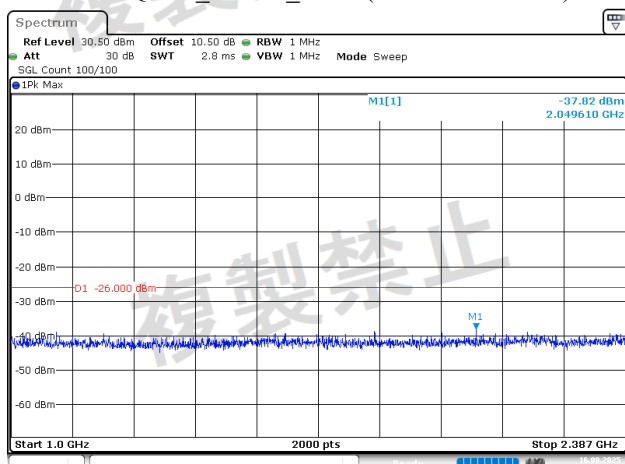
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou

Date: 16.AUG.2025 10:30:40

 $\pi/4$ -DQPSK_Middle_2DH1(30MHz~1GHz)

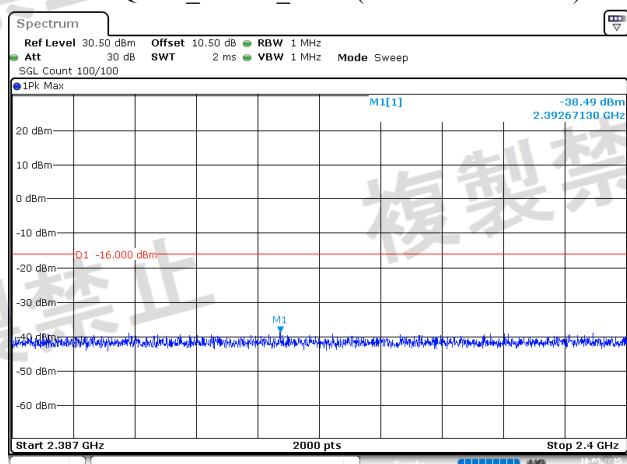
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou

Date: 16.AUG.2025 10:31:15

 $\pi/4$ -DQPSK_Middle_2DH1(1GHz~2.387GHz)

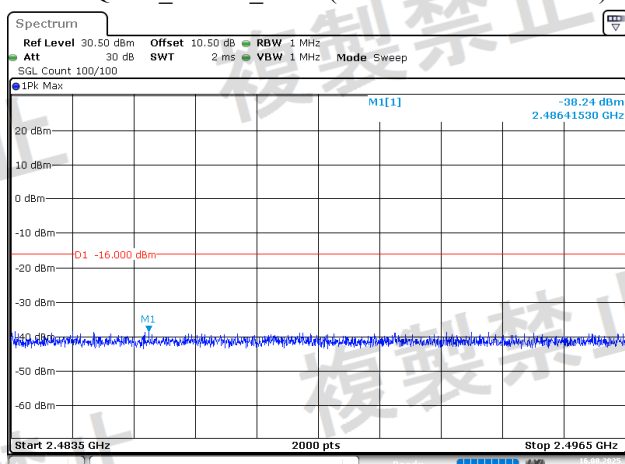
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou

Date: 16.AUG.2025 10:31:26

 $\pi/4$ -DQPSK_Middle_2DH1(2.387GHz~2.4GHz)

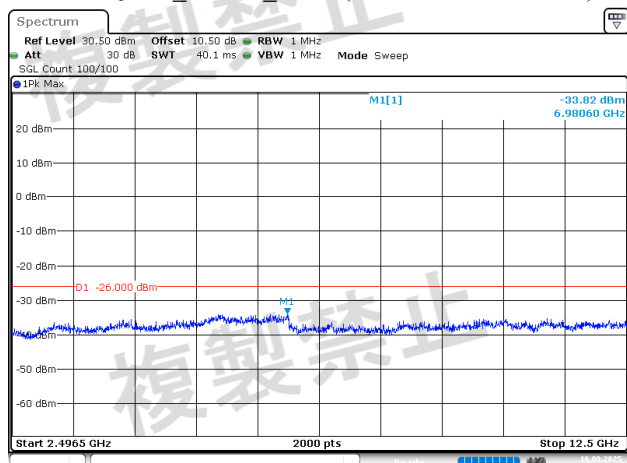
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou

Date: 16.AUG.2025 10:31:36

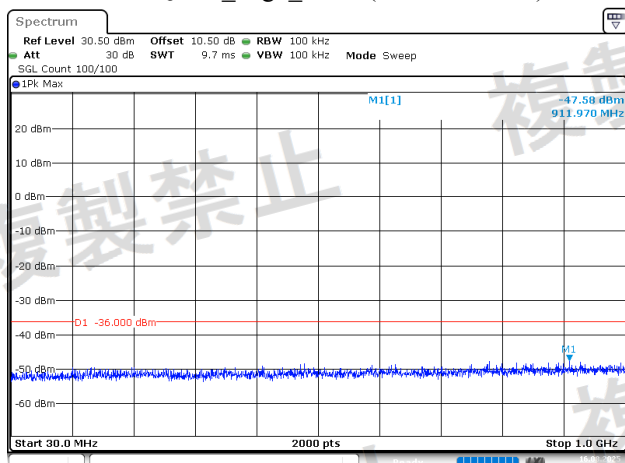
 $\pi/4$ -DQPSK_Middle_2DH1(2.4835GHz~2.4965GHz)

ProjectNo.:2502V70776E-RF Tester:Cooper Zhou

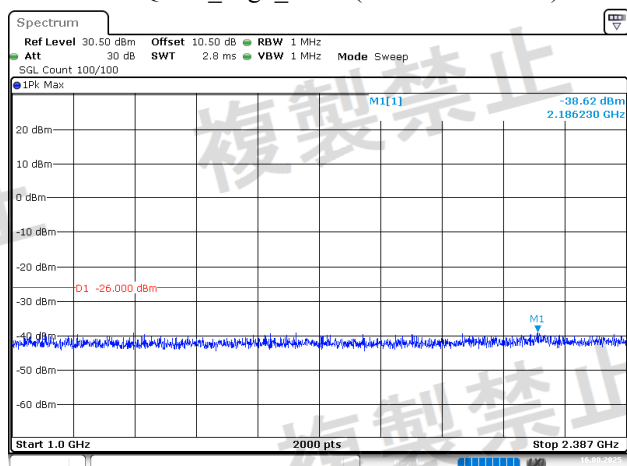
Date: 16.AUG.2025 10:31:46

$\pi/4$ -DQPSK_Middle_2DH1(2.4965GHz~12.5GHz)

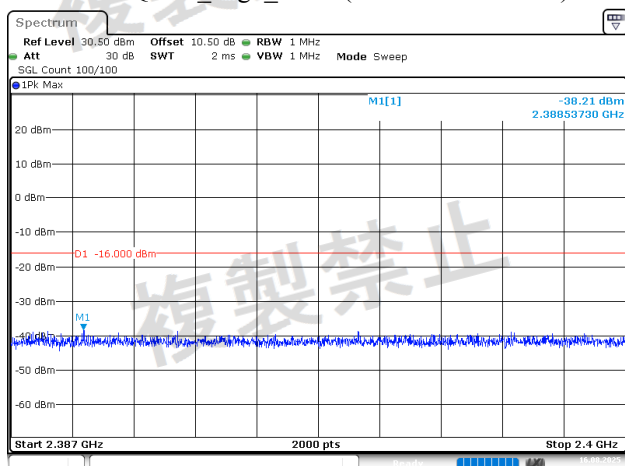
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:32:10

 $\pi/4$ -DQPSK_High_2DH1(30MHz~1GHz)

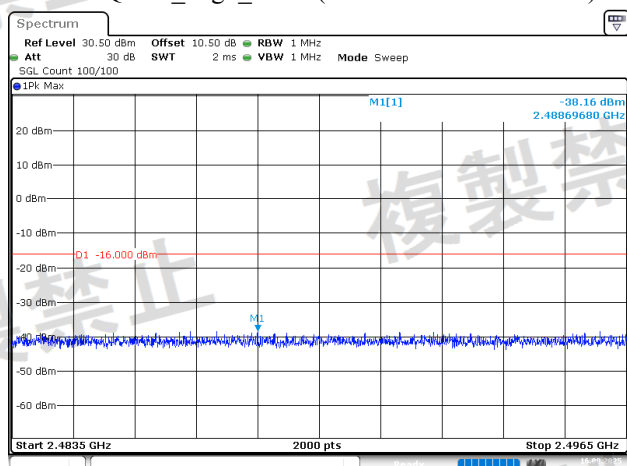
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:32:40

 $\pi/4$ -DQPSK_High_2DH1(1GHz~2.387GHz)

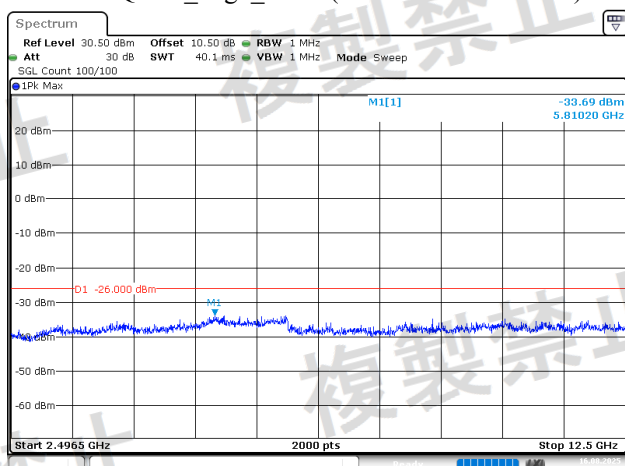
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:32:51

 $\pi/4$ -DQPSK_High_2DH1(2.387GHz~2.4GHz)

ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:33:01

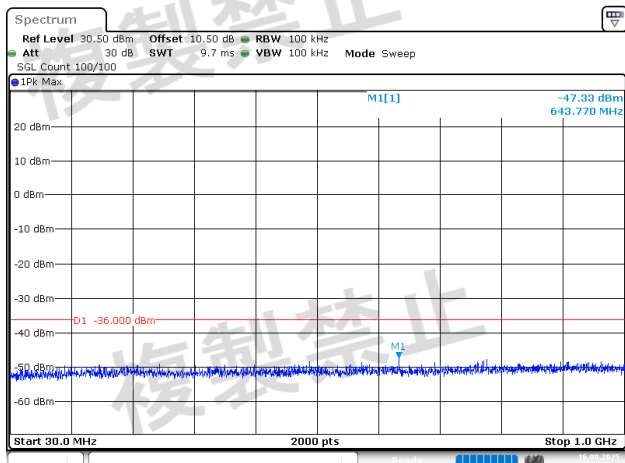
 $\pi/4$ -DQPSK_High_2DH1(2.4835GHz~2.4965GHz)

ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:33:11

 $\pi/4$ -DQPSK_High_2DH1(2.4965GHz~12.5GHz)

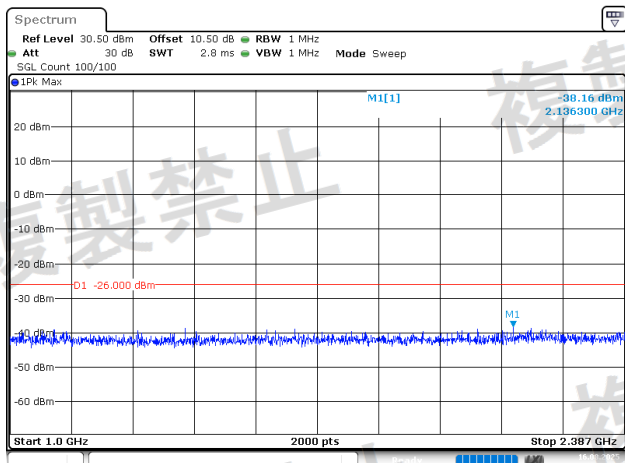
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:33:35

8DPSK_Low_3DH1(30MHz~1GHz)



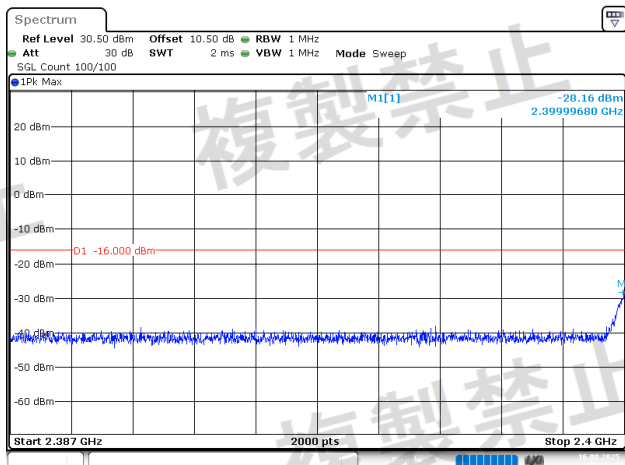
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:34:28

8DPSK_Low_3DH1(1GHz~2.387GHz)



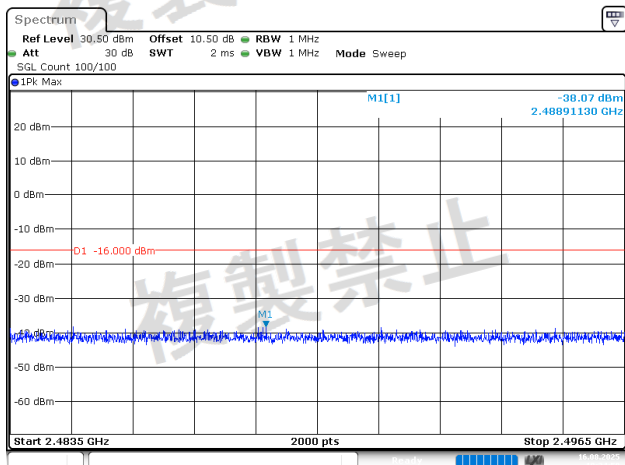
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:34:39

8DPSK_Low_3DH1(2.387GHz~2.4GHz)



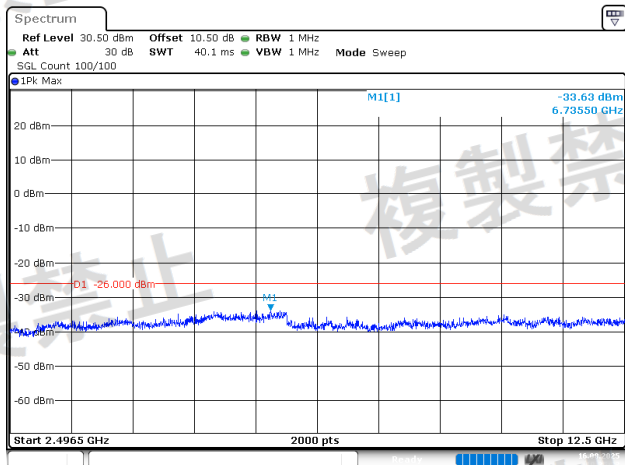
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:34:50

8DPSK_Low_3DH1(2.4835GHz~2.4965GHz)



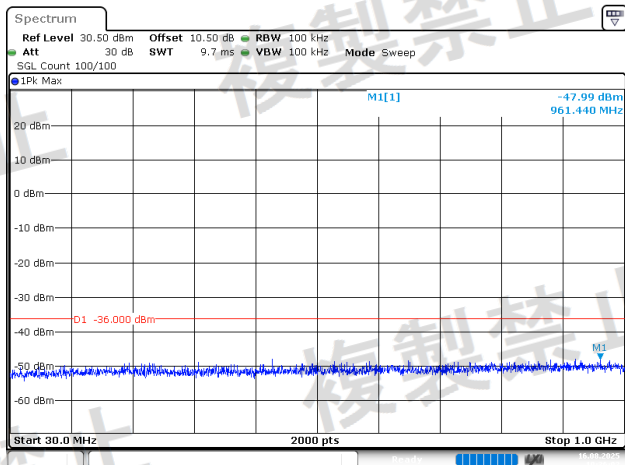
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:35:00

8DPSK_Low_3DH1(2.4965GHz~12.5GHz)



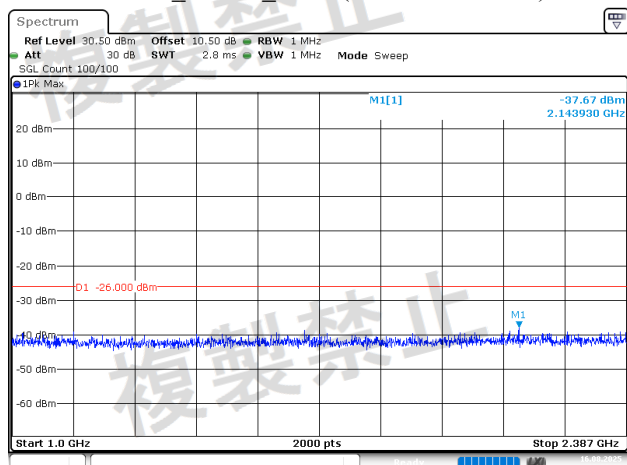
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:35:24

8DPSK_Middle_3DH1(30MHz~1GHz)



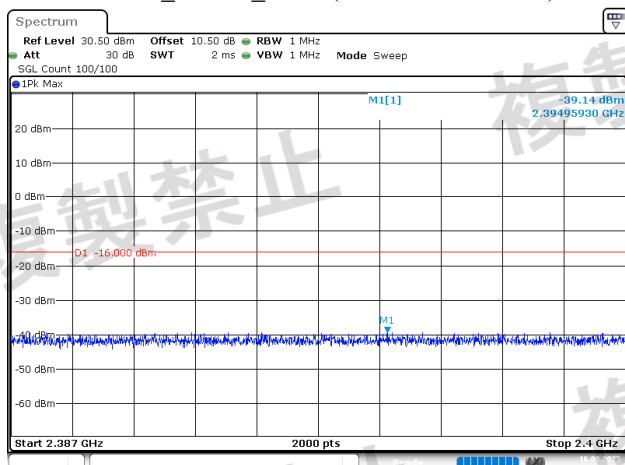
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:36:02

8DPSK_Middle_3DH1(1GHz~2.387GHz)



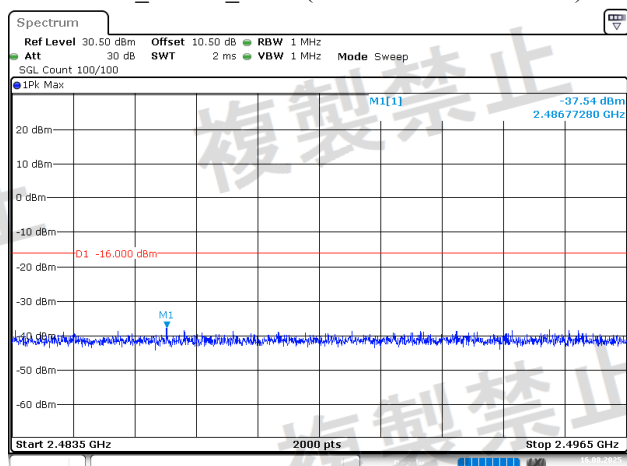
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:36:13

8DPSK_Middle_3DH1(2.387GHz~2.4GHz)



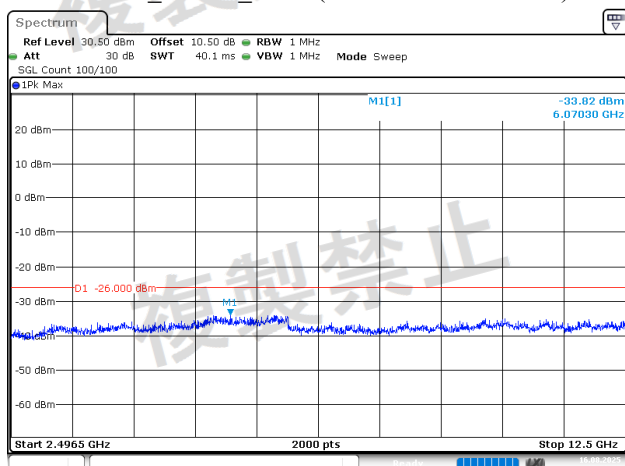
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:36:23

8DPSK_Middle_3DH1(2.4835GHz~2.4965GHz)



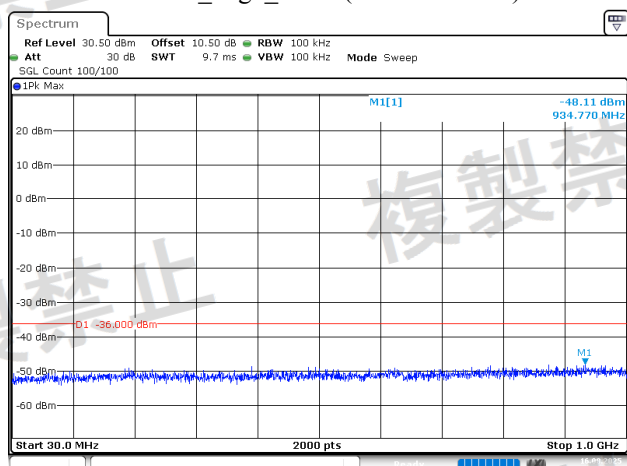
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:36:33

8DPSK_Middle_3DH1(2.4965GHz~12.5GHz)



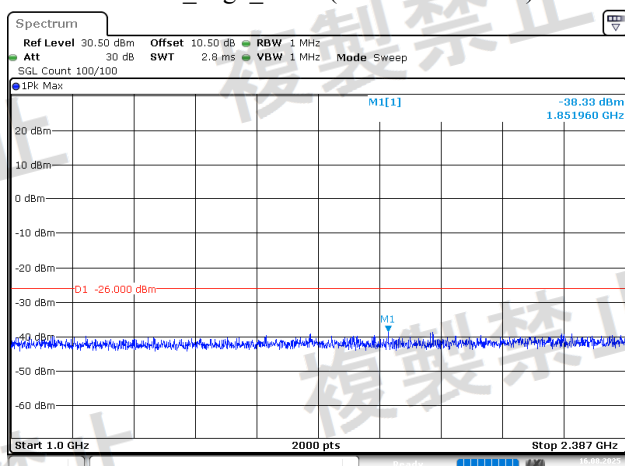
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:36:57

8DPSK_High_3DH1(30MHz~1GHz)



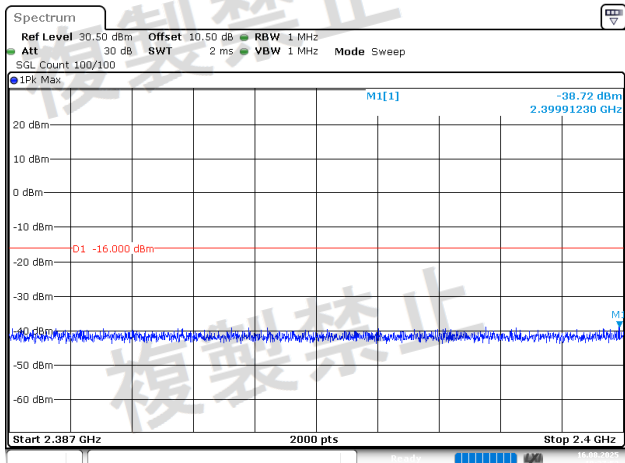
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:37:34

8DPSK_High_3DH1(1GHz~2.387GHz)



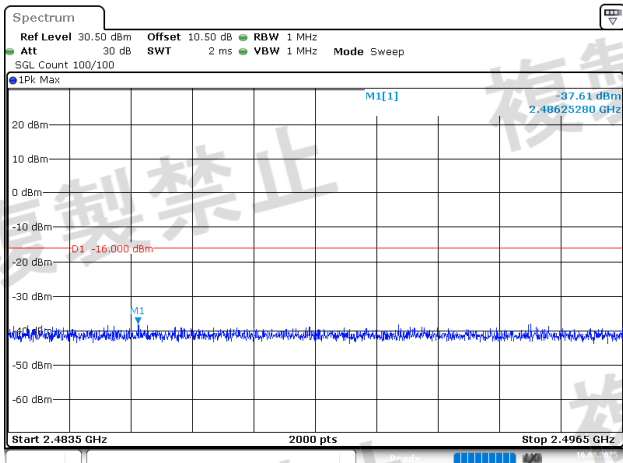
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:37:44

8DPSK_High_3DH1(2.387GHz~2.4GHz)



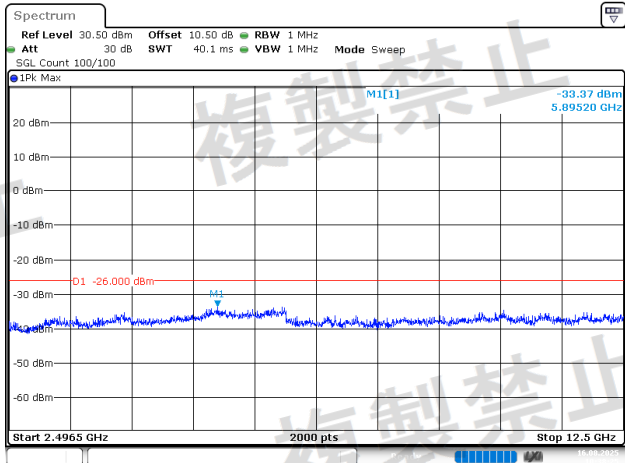
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:37:53

8DPSK_High_3DH1(2.4835GHz~2.4965GHz)



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:38:02

8DPSK_High_3DH1(2.4965GHz~12.5GHz)



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:38:26

Antenna Output Power and Output Power Tolerance

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7	Relative Humidity: (%)	73	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/07	2026/06/06	BACL(DG)	D
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2025/06/11	2026/06/10	BACL Metrology	C
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A	N/A	N/A

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

Mode	Antenna gain (dBi)	Declared power (mW/MHz)
GFSK	1.22	0.050
$\pi/4$ DQPSK		0.050
8DPSK		0.050

Mode	Antenna output power (dBm)	Spread bandwidth (MHz)	Antenna output power (mW/MHz)		Antenna output power tolerance(%)		EIRP (dBm/MHz)		Verdict
			Result	Limit	Result	Limit	Result	Limit	
GFSK	1.94	71.309	0.022	≤ 3	-56.00	-80~+20	-15.36	≤ 6.91	Pass
$\pi/4$ - DQPSK	2.61	71.309	0.026	≤ 3	-48.00	-80~+20	-14.63	≤ 6.91	Pass
8DPSK	2.52	71.393	0.025	≤ 3	-50.00	-80~+20	-14.80	≤ 6.91	Pass

Note:

 $\text{Antenna output power(mW)} = 10^{\{\text{Antenna output power(dBm)} / 10\}}$ $\text{Antenna output power(mW/MHz)} = \text{Antenna output power(mW)} / \text{Spread bandwidth(MHz)}$ $\text{Antenna output power Tolerance(\%)} = (\text{Antenna output power} - \text{Declared power}) / \text{Declared power} * 100\%$ $\text{Antenna output power(dBm/MHz)} = 10 * \log_{10}\{\text{Antenna output power(mW/MHz)}\}$ $\text{EIRP(dBm/MHz)} = \text{Antenna output power(dBm/MHz)} + \text{Antenna gain.}$

Receiver Spurious Emission and Unwanted Emission Intensity

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7	Relative Humidity: (%)		ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2025/7/28	2026/7/27	BACL Metrology	C
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/07	2026/06/06	BACL(DG)	D
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038-1	N/A	N/A	N/A	N/A

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

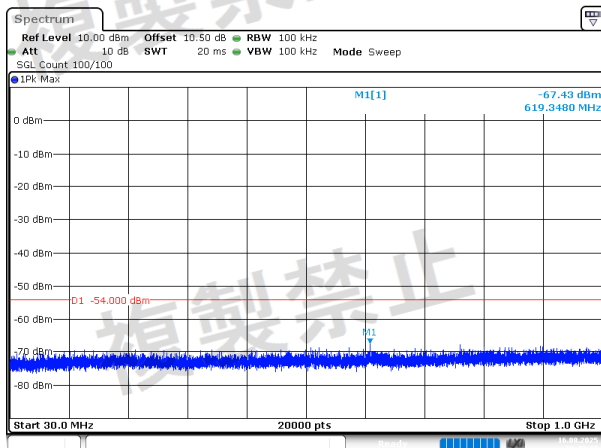
- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

Mode	Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm)	Result (nW)	Limit (nW)	Verdict
			Start (MHz)	Stop (MHz)					
GFSK	Low	Band I (100kHz)	30	1000	619.348	-67.43	0.181	4	Pass
		Band II (1MHz)	1000	12500	5835.46	-52.85	5.188	20	Pass
	Middle	Band I (100kHz)	30	1000	824.745	-66.11	0.245	4	Pass
		Band II (1MHz)	1000	12500	6443.24	-53.58	4.385	20	Pass
	High	Band I (100kHz)	30	1000	895.07	-67.96	0.160	4	Pass
		Band II (1MHz)	1000	12500	5841.79	-52.95	5.070	20	Pass
$\pi/4$ -DQPSK	Low	Band I (100kHz)	30	1000	489.756	-68.24	0.150	4	Pass
		Band II (1MHz)	1000	12500	6659.44	-52.81	5.236	20	Pass
	Middle	Band I (100kHz)	30	1000	855.155	-68.08	0.156	4	Pass
		Band II (1MHz)	1000	12500	6008.54	-52.98	5.035	20	Pass
	High	Band I (100kHz)	30	1000	765.478	-66.93	0.203	4	Pass
		Band II (1MHz)	1000	12500	6759.49	-53.11	4.887	20	Pass
8DPSK	Low	Band I (100kHz)	30	1000	759.513	-68.27	0.149	4	Pass
		Band II (1MHz)	1000	12500	6982.01	-53.35	4.624	20	Pass
	Middle	Band I (100kHz)	30	1000	781.338	-67.61	0.173	4	Pass
		Band II (1MHz)	1000	12500	6960.16	-53.17	4.819	20	Pass
	High	Band I (100kHz)	30	1000	957.635	-68.16	0.153	4	Pass
		Band II (1MHz)	1000	12500	5760.71	-53.29	4.688	20	Pass

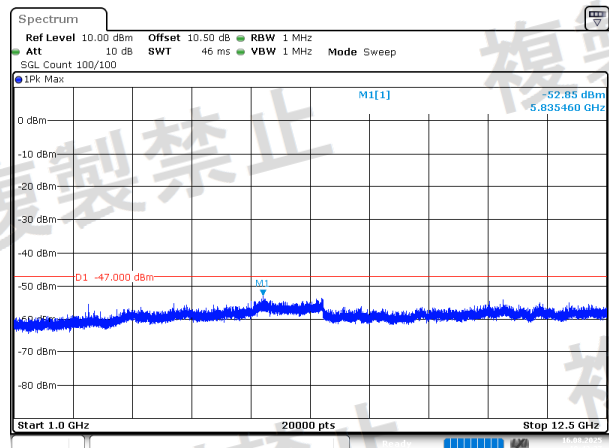
Test Condition: NV

GFSK_Low_DH1(30MHz~1GHz)



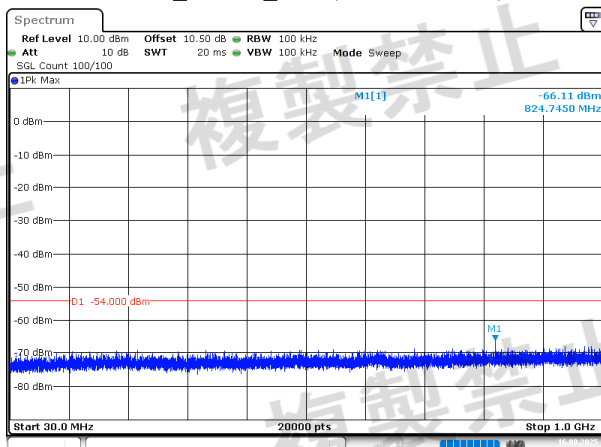
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:43:13

GFSK_Low_DH1(1GHz~12.5GHz)



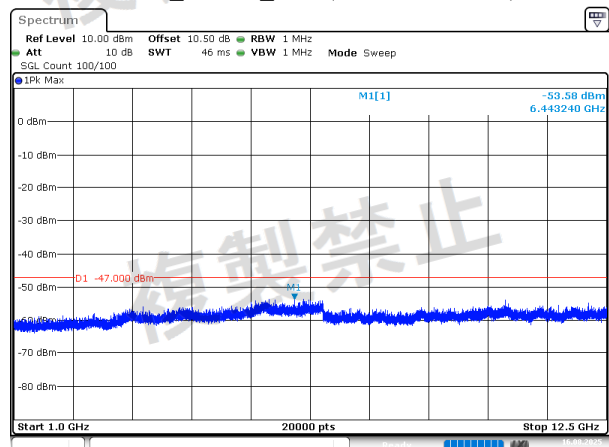
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:43:37

GFSK_Middle_DH1(30MHz~1GHz)



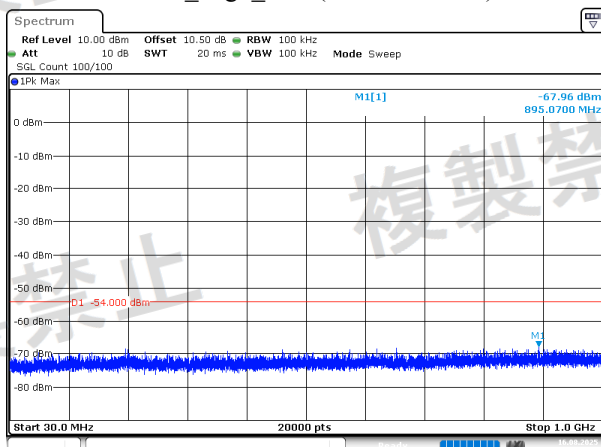
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:44:13

GFSK_Middle_DH1(1GHz~12.5GHz)



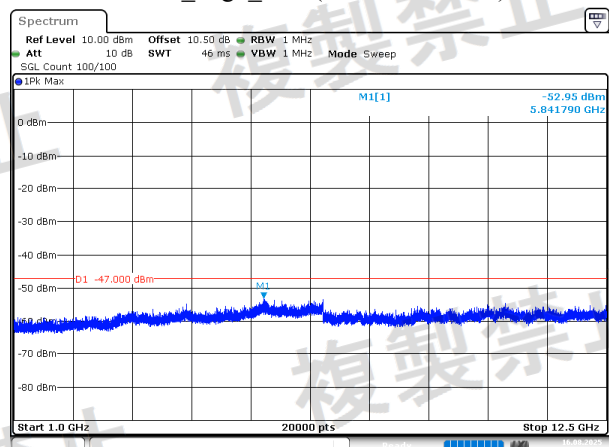
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:44:38

GFSK_High_DH1(30MHz~1GHz)

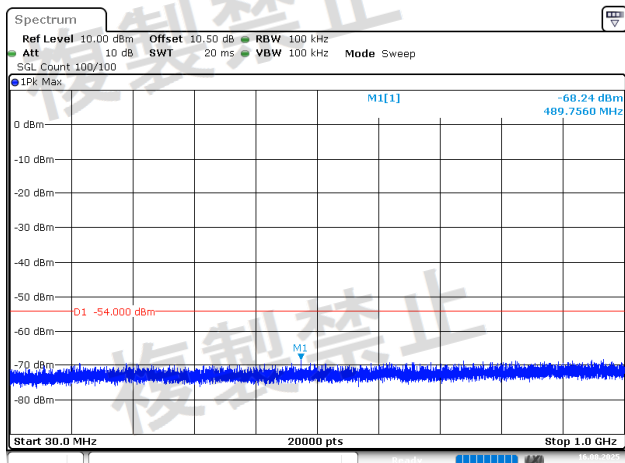


ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:44:54

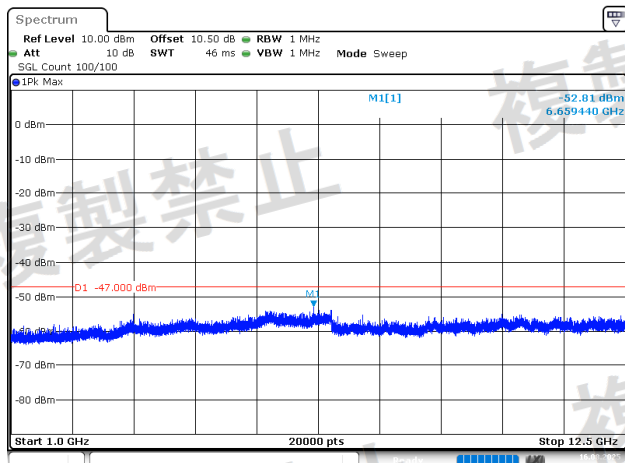
GFSK_High_DH1(1GHz~12.5GHz)



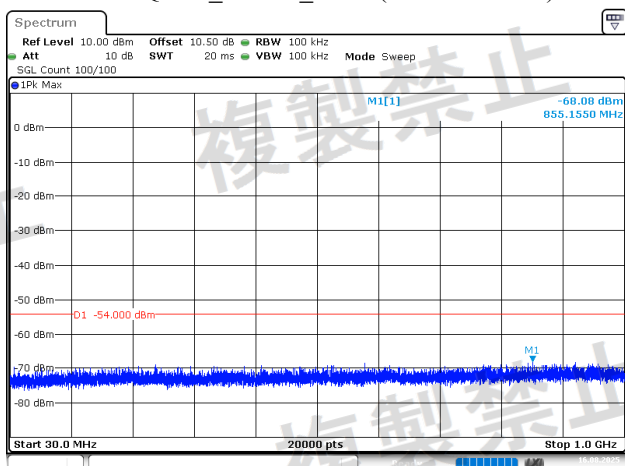
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:45:19

$\pi/4$ -DQPSK_Low_2DH1(30MHz~1GHz)

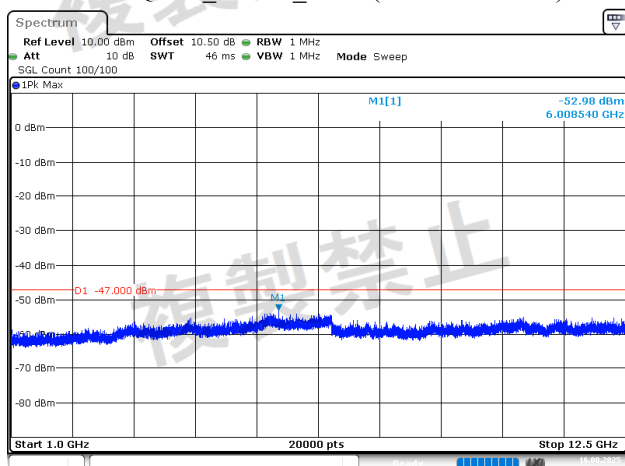
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:45:35

 $\pi/4$ -DQPSK_Low_2DH1(1GHz~12.5GHz)

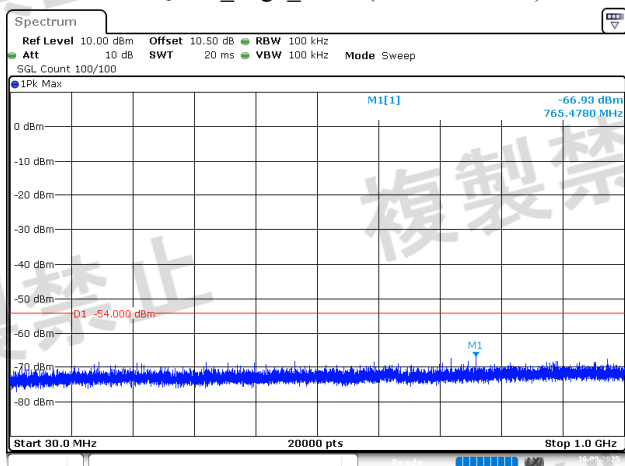
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:45:59

 $\pi/4$ -DQPSK_Middle_2DH1(30MHz~1GHz)

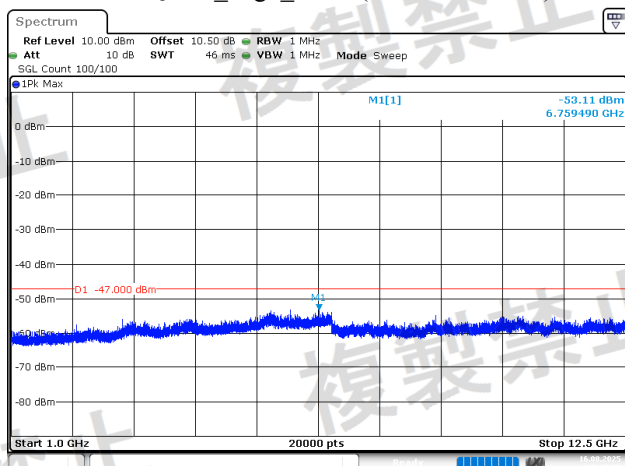
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:46:14

 $\pi/4$ -DQPSK_Middle_2DH1(1GHz~12.5GHz)

ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:46:38

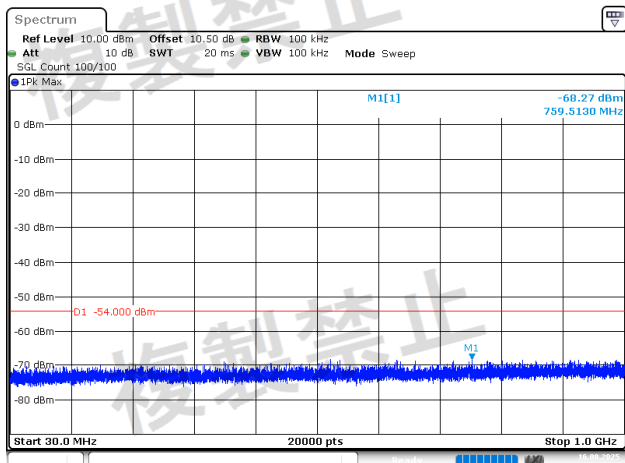
 $\pi/4$ -DQPSK_High_2DH1(30MHz~1GHz)

ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:46:54

 $\pi/4$ -DQPSK_High_2DH1(1GHz~12.5GHz)

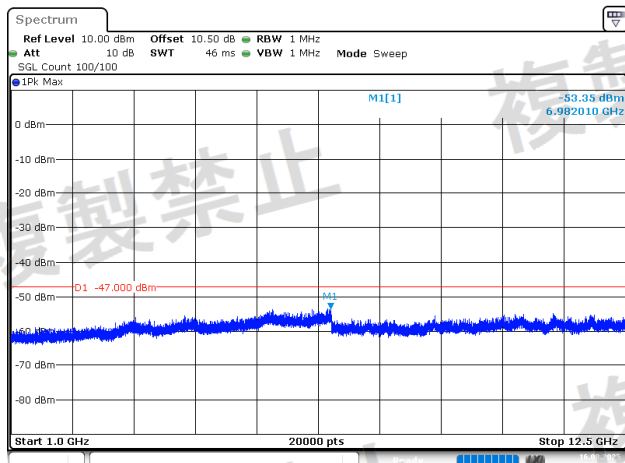
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:47:18

8DPSK_Low_3DH1(30MHz~1GHz)



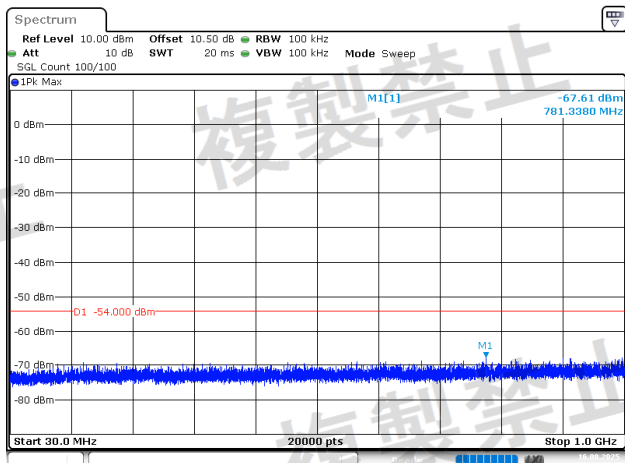
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:48:05

8DPSK_Low_3DH1(1GHz~12.5GHz)



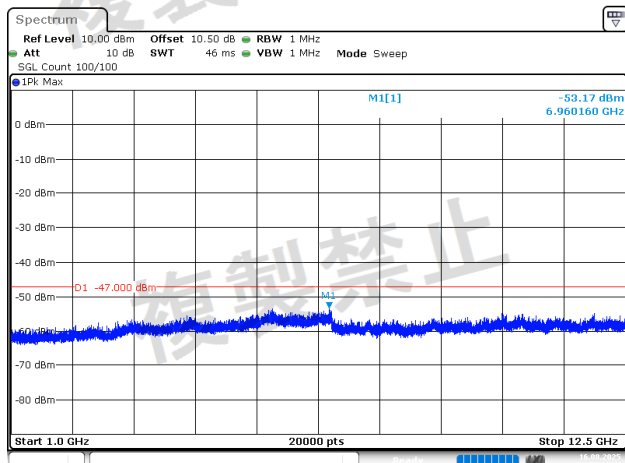
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:48:25

8DPSK_Middle_3DH1(30MHz~1GHz)



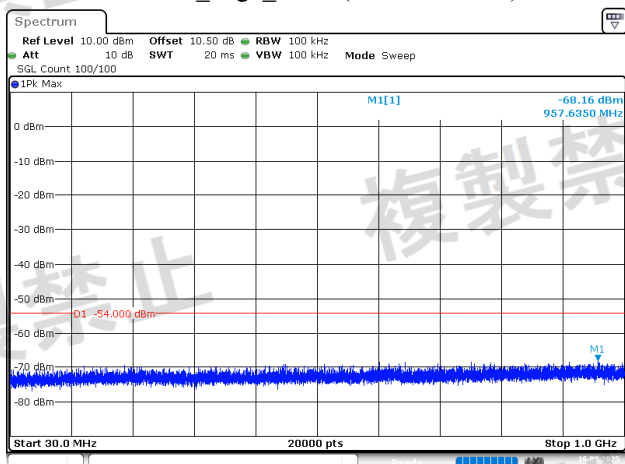
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:48:47

8DPSK_Middle_3DH1(1GHz~12.5GHz)



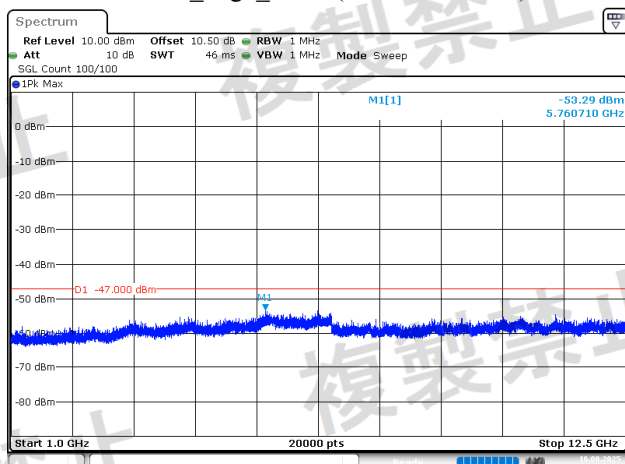
ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:49:12

8DPSK_High_3DH1(30MHz~1GHz)



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:49:27

8DPSK_High_3DH1(1GHz~12.5GHz)



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 10:49:52

Interference Prevention Function

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16
Test Site:	RF	Test Mode:	Communicating
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.9	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
Mini-Circuits	Coaxial Power Splitters & Combiner	ZFRSC- 183-S+	SF448201614	2025/2/25	2026/2/24	BACL(DG)	D
R&S	Wideband Radio Communication Tester	CMW500	149216	2024/9/5	2025/9/4	BACL Metrology	C
All-sun	Multimeter	EM305A	8348897	2025/8/15	2026/8/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08-EM038- 1	N/A	N/A	N/A	N/A
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2024/8/26	2025/8/25	GRGTEST	C

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Data

Item	Result	Requirement	Verdict
Methodology to transmit ID Code:	Automatically	Automatically	Compliant
Methodology to receive ID Code:	Automatically	Automatically	Compliant
Identification Codes (ID Codes):	57:24:A3:3C:82:B7	/	/
Bits of ID Codes:	48 bits	48 bits or more	Compliant

Duty Cycle

Test Information:

Serial No.:	375K-1	Test Date:	2025/08/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.7	Relative Humidity: (%)	73	ATM Pressure: (kPa)	100.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2025/7/28	2026/7/27	BACL Metrology	C
Eastsheep	Coaxial Attenuator	5W-N-JK- 6G-10dB	F-08- EM503	2025/06/07	2026/06/06	BACL(DG)	D
All-sun	Multimeter	EM305A	8348897	2025/08/15	2026/08/14	BACL Metrology	C
TDK-Lambda	DC Power Supply	Z+60-14	F-08- EM038-1	N/A	N/A	N/A	N/A

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

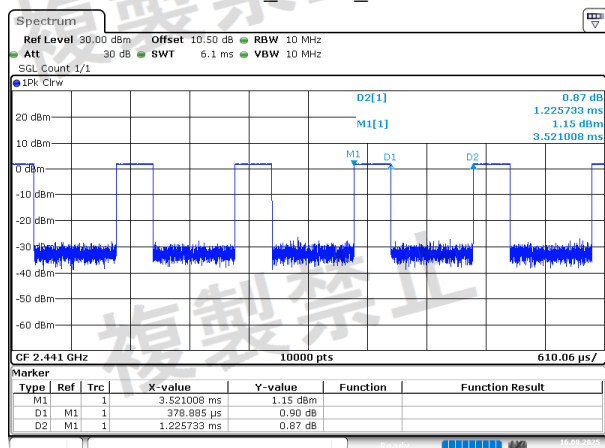
- A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).
- B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).
- C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).
- D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

Mode	Packet Type	Ton (ms)	Ton+Toff (ms)	Duty cycle (%)
GFSK	DH1	0.379	1.226	30.91
	DH3	1.633	2.482	65.79
	DH5	2.880	3.729	77.23
$\pi/4$ -DQPSK	2DH1	0.386	1.235	31.26
	2DH3	1.634	2.487	65.70
	2DH5	2.884	3.734	77.24
8DPSK	3DH1	0.386	1.235	31.26
	3DH3	1.638	2.486	65.89
	3DH5	2.884	3.737	77.17

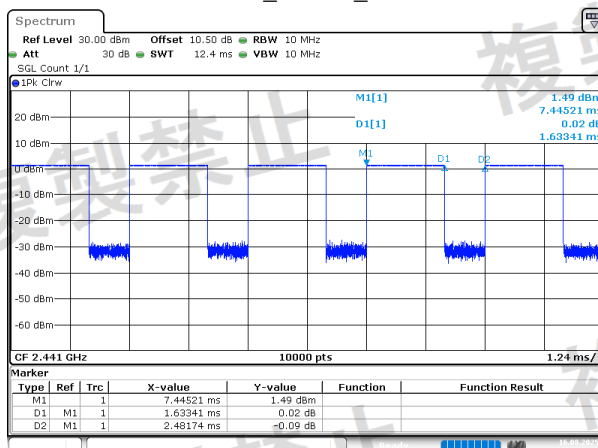
Test Condition: NV

GFSK_Middle_DH1



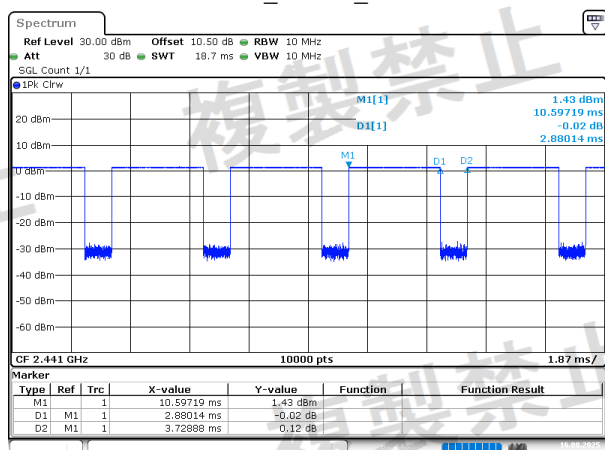
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Date: 16.AUG.2025 09:18:00

GFSK_Middle_DH3

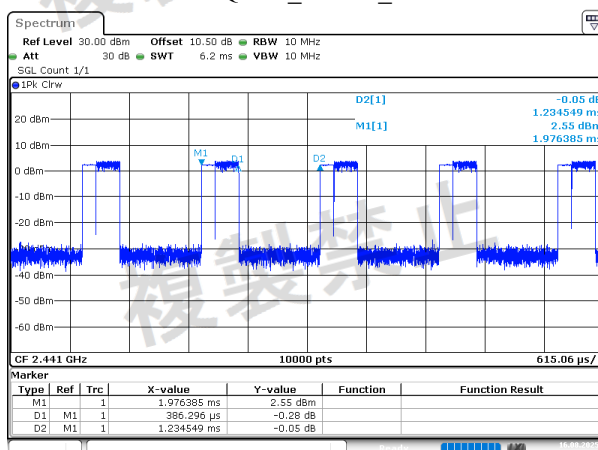


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Date: 16.AUG.2025 09:19:22

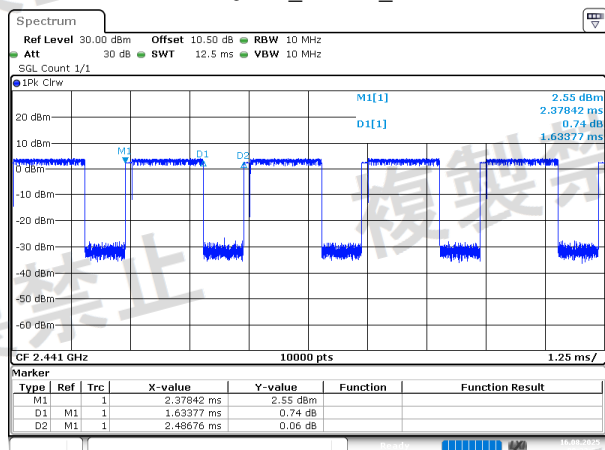
GFSK_Middle_DH5



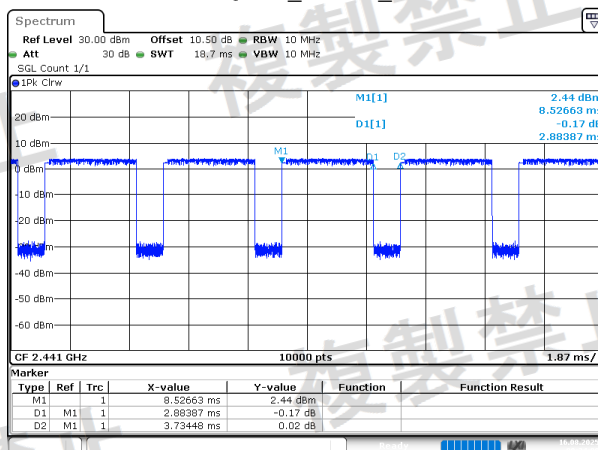
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Date: 16.AUG.2025 09:20:28

 $\pi/4$ -DQPSK_Middle_2DH1

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Date: 16.AUG.2025 09:21:44

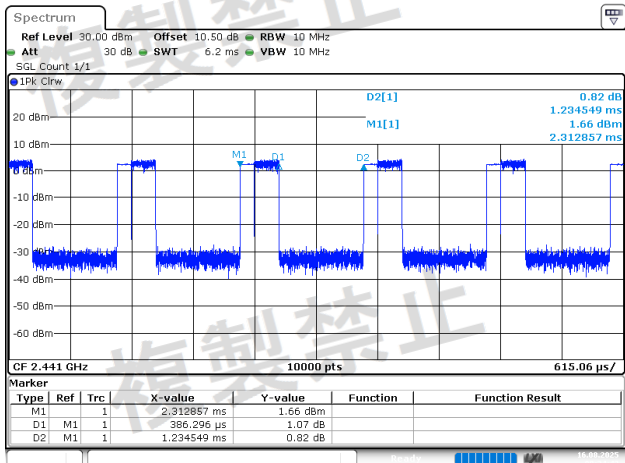
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Date: 16.AUG.2025 09:23:21

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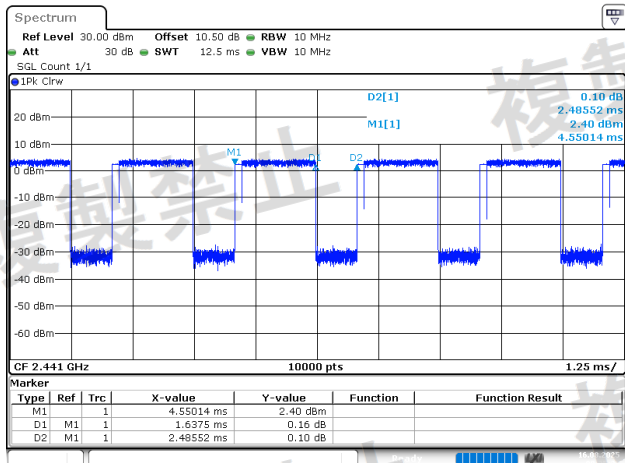
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Date: 16.AUG.2025 09:24:00

8DPSK_Middle_3DH1



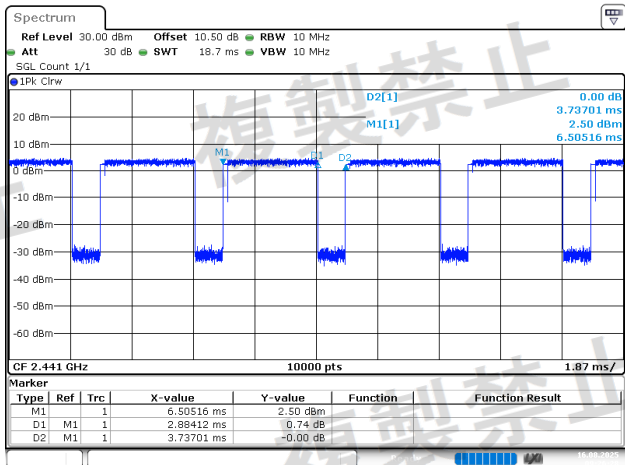
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Date: 16.AUG.2025 09:24:43

8DPSK_Middle_3DH3



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:25:27

8DPSK_Middle_3DH5



ProjectNo.:2502V70776E-RF Tester:Cooper Zhou
Date: 16.AUG.2025 09:26:28

****END OF REPORT****