

JAPAN MIC
TEST REPORT

For

AgiBot Innovation (Shanghai) Technology Co., Ltd.

8/F, Building 29, No.2555 Xiupu Road, Pudong New Area, Shanghai 200120, China

Tested Model: Retroid Pocket 4

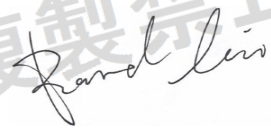
Report Type: Original Report	Product Name: Retroid Pocket 4
Report Number:	RKSA260304002-24C
Report Date:	2026-06-04
Reviewed By:	Bard Liu 
Approved By:	Kyle Xu 
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TABLE OF CONTENTS

REPORT REVISION HISTORY.....	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....	5
OBJECTIVE	5
TEST METHODOLOGY	5
TEST FACILITY	5
EUT TEST CONFIGURATION.....	6
DESCRIPTION OF TEST CONFIGURATION	6
TEST CONDITIONS	6
EUT EXERCISE SOFTWARE	6
EQUIPMENT MODIFICATIONS	6
SUPPORT EQUIPMENT LIST AND DETAILS	8
EXTERNAL I/O CABLE.....	8
CONFIGURATION OF TEST SETUP	8
SUMMARY OF TEST RESULTS.....	9
TEST EQUIPMENT LIST	10
FREQUENCY ERROR.....	11
LIMIT	11
TEST PROCEDURE	11
OCCUPIED BANDWIDTH AND SPREADING BANDWIDTH	12
LIMIT	12
TEST PROCEDURE	12
TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY.....	13
LIMIT	13
TEST PROCEDURE	13
ANTENNA OUTPUT POWER AND OUTPUT POWER TOLERANCE.....	14
LIMIT	14
TEST PROCEDURE	14
RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY.....	15
LIMIT	15
TEST PROCEDURE	15
FREQUENCY HOPPING DWELL TIME.....	16
APPLICABLE STANDARD	16
TEST PROCEDURE	16
INTERFERENCE PREVENTION FUNCTION.....	17
REQUIREMENT	17
TEST PROCEDURE	17
TEST BLOCK	17
CONSTRUCTION PROTECTION CONFIRMATION	19
LIMIT	19
CONFIRMATION METHOD.....	19
APPENDIX-TEST DATA.....	20
FREQUENCY ERROR.....	20
OCCUPIED BANDWIDTH AND SPREADING BANDWIDTH.....	22

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY	29
ANTENNA OUTPUT POWER AND OUTPUT POWER TOLERANCE	40
RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY	41
FREQUENCY HOPPING DWELL TIME.....	46

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260304002-24C	R1V1	2026-06-04	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	AgiBot Innovation (Shanghai) Technology Co., Ltd.
Tested Model:	Retroid Pocket 4
Product Name:	Retroid Pocket 4
Power Supply:	DC 5.0V/3A, 9V/2A from USB or DC 3.8V from battery
RF Function:	Classic BT
Operating Band/Frequency:	2402-2480 MHz
RF output power:	BDR (GFSK): 0.05 mW/MHz EDR ($\pi/4$ -DQPSK): 0.05 mW/MHz EDR (8DPSK): 0.05 mW/MHz AFH_BDR (GFSK): 0.15 mW/MHz AFH_EDR ($\pi/4$ -DQPSK): 0.15 mW/MHz AFH_EDR (8DPSK): 0.15 mW/MHz
Channel Number:	79
Channel Separation:	1 MHz
Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
★Maximum Antenna Gain:	0.6 dBi

Note: The maximum antenna gain was provided by the manufacturer.

All measurement and test data in this report was gathered from production sample serial number: RKSA260304002-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-03-04.)

Objective

The objective of the manufacturer is to demonstrate compliance with Radio Law of Japan item 19 of Article 2 Paragraph 1.

Test Methodology

All measurements contained in this report were conducted with technical regulations of the Radio Law of Japan MIC Notice No.88 Appendix No.43 & No.1.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

EUT TEST CONFIGURATION

Description of Test Configuration

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	40	2442
1	2403	...	...
2	2404	...	...
...	...	...	...
...	...	78	2480
39	2441	/	/

EUT was tested with channel 0, 39 and 78.

The system was configured for testing in an engineering mode, which was provided by manufacturer.

Test conditions

Voltage Fluctuation Test	Normal Voltage (V _{DC})	High Voltage (V _{DC})	Low Voltage (V _{DC})
Input DC Power	3.8	4.18	3.42
Input IC Power	3.3	3.32	3.29
Voltage Variation (%)	/	0.6	-0.3

Based on above table, the fluctuation of power supply to the RF circuit of EUT is equal to or less than +/- 1%. So exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

EUT Exercise Software

RF test tool: Engineering mode

★Power level setting: 7

Note: The power level setting was declared by the applicant.

Equipment Modifications

No modification was made to the EUT tested.

Environmental Conditions & Test Information

Test Date:	2026-04-30
Temperature:	22.5°C
Relative Humidity:	60 %
ATM Pressure:	101.6 kPa
Test Engineer:	Pass

Mode	Packet Type	Ton (ms)	Ton+Toff (ms)	Duty cycle (%)	10log(1/x) (dB)
GFSK	DH1	0.374	1.250	29.95	5.24
	DH3	1.635	2.510	65.15	1.86
	DH5	2.884	3.760	76.70	1.15
$\pi/4$ -DQPSK	2DH1	0.375	1.244	30.11	5.21
	2DH3	1.639	2.510	65.30	1.85
	2DH5	2.888	3.760	76.80	1.15
8DPSK	3DH1	0.375	1.249	30.00	5.23
	3DH3	1.631	2.500	65.25	1.85
	3DH5	2.890	3.760	76.85	1.14

Note:

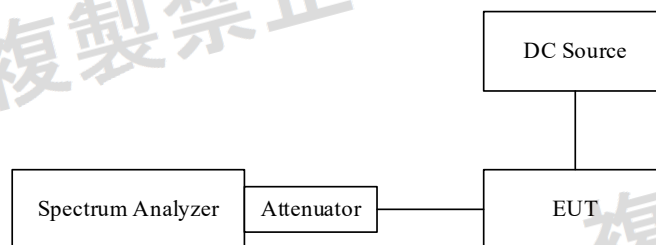
1. "x" means the Duty Cycle.
2. Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
ZHAOXIN	DC Source	RXN-605D	21R605D08132677

External I/O Cable

Cable Description	Length (m)	From Port	To Port
RF Cable	0.3	Attenuator	EUT
Power Cable	0.8	EUT	DC Source

Configuration of Test Setup

Note: the offset = Attenuator (10dB) + Cable loss (0.5dB) has been added in Spectrum Analyzer

SUMMARY OF TEST RESULTS

MIC Notice No.88 Appendix No.43 Article 2, Paragraph 1, Item 19	Description of Test	Result
1	Frequency Error	Compliant
2	Occupied Bandwidth and Spreading 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	Transmission Antenna Gain	Not Applicable (See Note 1)
7	Transmission Radiation Angle Width	Not Applicable (See Note 1)
8	Interference Prevention Function	Compliant
9	Frequency Hopping Dwell Time	Compliant
Appendix	Construction Protection Confirmation	Compliant

Note:

1. This test item is not be applied to the transmission antenna which EIRP is less than 6.91dBm/MHz.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Authority	Calibration Method
Rohde & Schwarz	Signal Analyzer	FSU26	200103	2026-03-16	2027-03-15	BACL Cal	c)
Eastsheep	Attenuator	10dB	10dB-01	2026-03-12	2027-03-11	BACL Cal	c)
Rohde & Schwarz	SMBV100A Vector Signal Generator	SMBV100A	261558	2026-03-12	2027-03-11	BACL Cal	c)
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2026-03-12	2027-03-11	BACL Cal	c)
Fluke	Digital Multimeter	15B+	45401661WS	2026-03-13	2027-03-12	BACL Cal	c)
Rohde & Schwarz	Vector Signal Generator	N5182B	MY53051592	2026-03-16	2027-03-15	BACL Cal	c)
MACOM	Power Combiner	F-07-EM332	/	2026-03-13	2027-03-12	BACL Cal	c)
ZHAOXIN	DC Power Supply	RXN-605D	21R605D08132677	N/A	N/A	N/A	N/A

NOTE: Calibration Method

- a): Calibration conducted by the National Institute of Information and Communications Technology~ 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) ~Japan Calibration Service System ~
- 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 other equipment that listed above from a) to c)

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

FREQUENCY ERROR

Limit

The Tolerance of frequency should be ± 50 ppm.

Test Procedure

Set the EUT to the measurement frequency without modulation.

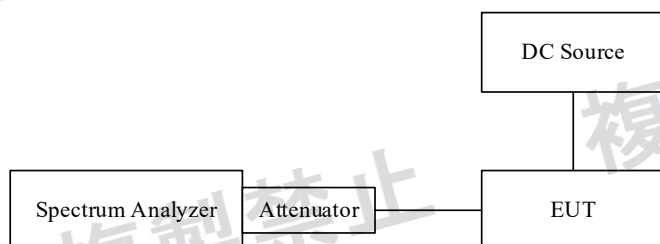
Setting of SA is following as: RB: 1 kHz / VB: 3 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.

Record the peak spot frequency.

If the EUT can't set at un-modulation mode.

Setting of SA is following as: RB: 100 kHz / VB: 300 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.

Record the peak spot frequency, measure the 10dBc center frequency



Note: the offset = Attenuator (10 dB) + Cable loss (0.5 dB) has been added in Spectrum Analyzer

Test Data: See Appendix

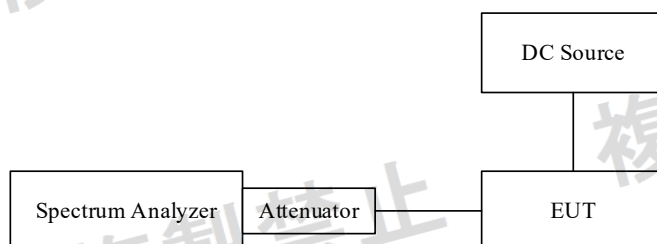
OCCUPIED BANDWIDTH AND SPREADING BANDWIDTH

Limit

Occupied bandwidth: FH $\leq$ 83.5 MHz; DS $\leq$ 26 MHz; 26 $\leq$ OFDM $\leq$ 40 MHz;
Others $\leq$ 26 MHz

Test Procedure

Measurement System Diagram



Note: the offset = Attenuator (10 dB) + Cable loss (0.5 dB) has been added in Spectrum Analyzer

Conditions of Application Equipment (EUT)

The modulation state shall be “continuous frequency-hopping mode” by spread spectrum.

Spectrum Analyzer Conditions

Span: 200 MHz

RBW: 300 kHz

VBW: 300 kHz

Sweep time: Auto, Marker: Marker Off

Log scal: 10dB/Div, Data points: 501points (400 points or more)

Detection: Positive Peak, Sweep mode: Continuous

Test Data: See Appendix

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Limit

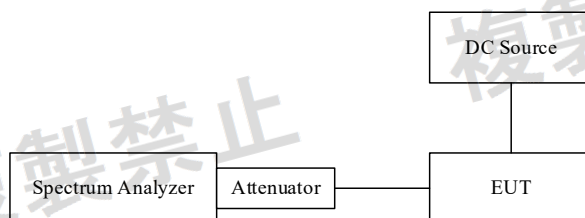
$30 \text{ MHz} \leq f \leq 1\text{GHz}$: $0.25 \mu\text{W}/100 \text{ kHz}$

$1 \text{ GHz} < f < 2387 \text{ MHz}$; $2496.5 \text{ MHz} < f \leq 12500\text{MHz}$: $\leq 2.5 \mu\text{W}/\text{MHz}$

$2387 \text{ MHz} \leq f \leq 2400 \text{ MHz}$; $2483.5 \text{ MHz} < f \leq 2496.5 \text{ MHz}$: $\leq 25 \mu\text{W}/\text{MHz}$

Test Procedure

Measurement System Diagram



Note: the offset = Attenuator (10 dB) + Cable loss (0.5 dB) has been added in Spectrum Analyzer

Conditions of Application Equipment (EUT)

The modulation state shall be in continuously transmitting mode.

Spectrum Analyzer Conditions

Setting of SA start 30 MHz and stop frequency 1 GHz, RB: 100 kHz/VB: 100 kHz, 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 $0.25 \mu\text{W}$.

Setting of SA start 1GHz and stop frequency 2387 MHz, RB: 1 MHz/VB: 1 MHz, 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 $2.5 \mu\text{W}$.

Setting of SA start 2387MHz and stop frequency 2400 MHz, RB: 1 MHz/VB: 1 MHz, 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 $25 \mu\text{W}$.

Setting of SA start 2483.5MHz and stop frequency 2496.5 MHz, RB: 1 MHz/VB: 1 MHz, 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 $25 \mu\text{W}$.

Setting of SA start 2496.5 MHz and stop frequency 12500 MHz, RB: 1 MHz/VB: 1 MHz, 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 $2.5 \mu\text{W}$.

Test Data: See Appendix

ANTENNA OUTPUT POWER AND OUTPUT POWER TOLERANCE

Limit

- $\leq 3 \text{ mW /MHz}$ (FHSS from 2402-2480 MHz)
- $\leq 10 \text{ mW/MHz}$ (OFDM, DSSS from 2400-2483.5 MHz)
- $\leq 10 \text{ mW}$ (other from 2400-2483.5 MHz)

The Output Power Tolerance must be less than +20%.

E.i.r.p:

- $\leq 6.91 \text{ dBm/MHz}$

Test Procedure

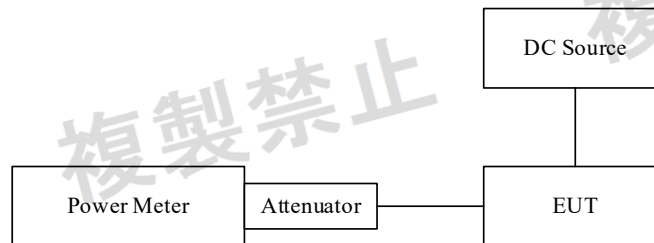
Step1; Measure the total power by Power Meter in a state of hopping mode (with Average Sensor).

Step2; If it's the burst wave, please measure the burst ratio. Added the burst ratio in Power Meter.

Step3; Calculate the mean power per 1MHz by dividing the total power by spread bandwidth.

Test Setup Block diagram

Power:



Note: the offset = Attenuator (10 dB) + Cable loss (0.5 dB) has been added in Spectrum Analyzer.

Test Data: See Appendix

RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY

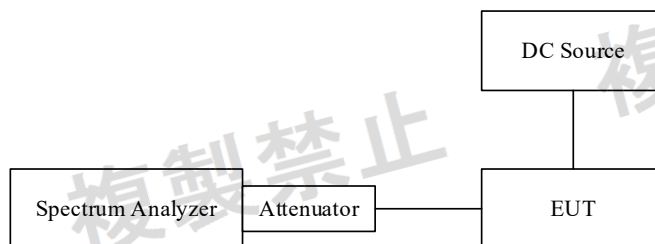
Limit

$\leq 4 \text{ nW}$ ($30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$)

$\leq 20 \text{ nW}$ ($1 \text{ GHz} \leq f \leq 12.5 \text{ GHz}$)

Test Procedure

Measurement System Diagram



Note: the offset = Attenuator (10 dB) + Cable loss (0.5 dB) has been added in Spectrum Analyzer

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 (30 MHz or 1 GHz)

Stop Frequency: Stop Frequency of frequency range to measure (1 GHz or 12.5 GHz)

Span: AUTO (Measurement Range)

RBW: 100 kHz, VBW: 100 kHz for Frequency < 1 GHz

RBW: 1 MHz, VBW: 1 MHz for Frequency > 1 GHz

Sweep time: AUTO or more

Sweep mode: Auto Sweep

Detection: Positive Peak

Reference Level: Enough level for maximum dynamic range

Test Data: See Appendix

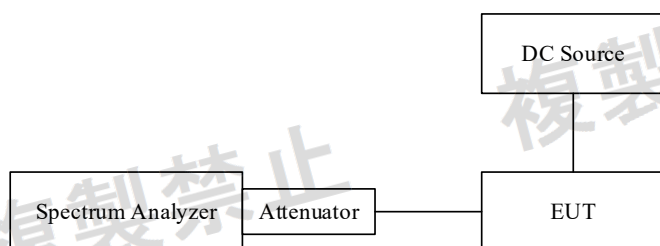
FREQUENCY HOPPING DWELL TIME

Applicable Standard

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

Test Procedure

Measurement System Diagram



Note: the offset = Attenuator (10 dB) + Cable loss (0.5 dB) has been added in Spectrum Analyzer

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”.

Spectrum Analyzer Conditions

Center Frequency:	2441 MHz
SPAN:	ZERO SPAN
RBW:	500 kHz
VBW:	4* RBW
Sweep Time:	0.4*SBW[second]
Data Points:	400 points or more
Sweep Mode:	Single Sweep
Detection Mode:	Peak
Y-axis Scale:	10 dB/Div.
Reference Level:	Enough level for maximum dynamic range

Test Data: See Appendix

INTERFERENCE PREVENTION FUNCTION

Requirement

The EUT shall have the interference prevention capability to transmit or to receive the identification automatically, so that sender and receiver shall exclude other equipment.

Test Procedure

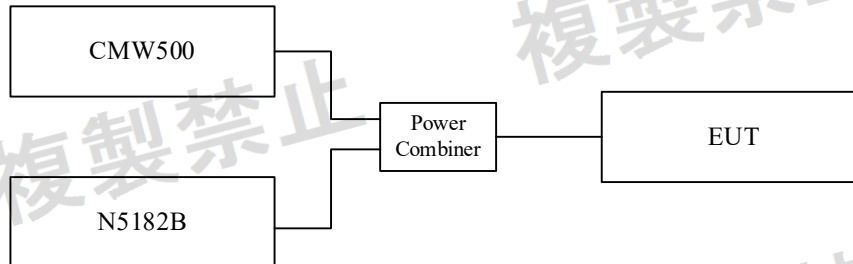
In the case that the EUT has the function of automatically transmitting the identification code:

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 Block



Environmental Conditions & Test Information

Test Date:	2026-04-29
Temperature:	21°C
Relative Humidity:	51 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

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) of EUT:	AA:3C:46:D9:73:5F	/	/
Bits of ID Codes:	48bits	48 bits or more	Compliant

Test Result: Good.

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 Method

The EUT's shell has been locked by screws, so it cannot be opened easily. Please refer the external photographs.

APPENDIX-TEST DATA**FREQUENCY ERROR****Environmental Conditions & Test Information**

Test Date:	2026-04-30
Temperature:	22.5°C
Relative Humidity:	60 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

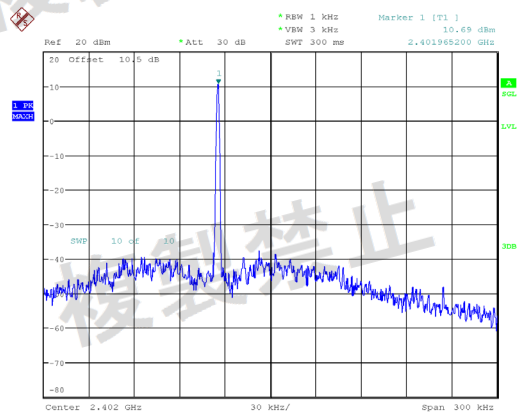
Test Result: Compliant*Test Mode: Transmitting*

Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)
2402	2401.96520	-14.49	±50
2441	2440.96520	-14.26	
2480	2479.96460	-14.27	

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

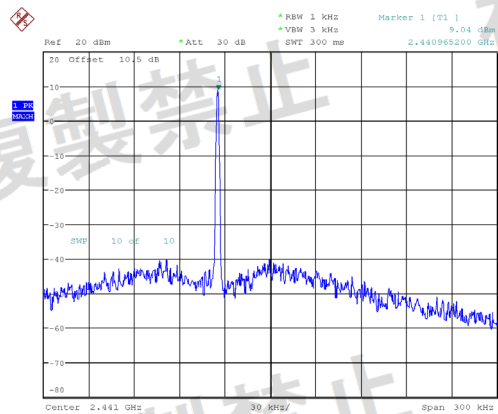
Please refer to the following plots:

Low Channel



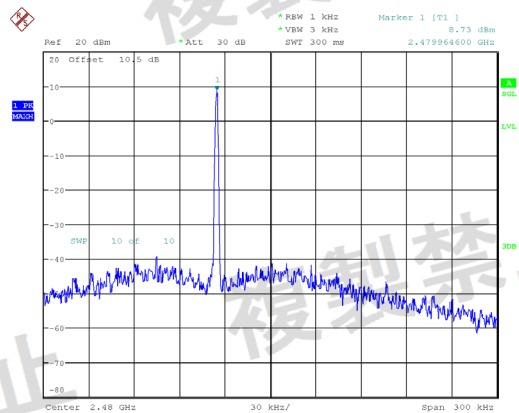
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:57:05

Middle Channel



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 14:01:07

High Channel



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 14:01:32

OCCUPIED BANDWIDTH AND SPREADING BANDWIDTH**Environmental Conditions & Test Information**

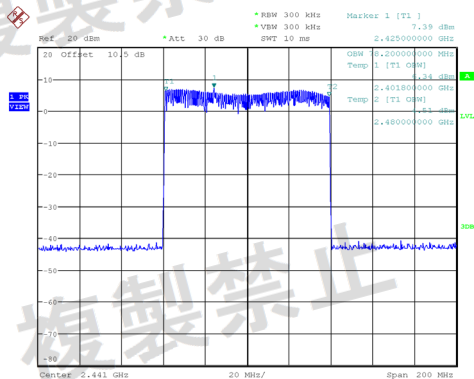
Test Date:	2026-04-30
Temperature:	22.5°C
Relative Humidity:	60 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Transmitting*

Mode		DH1	DH3	DH5	AFH_DH1	AFH_DH3	AFH_DH5	Limit
BDR Mode (GFSK)	Occupied Bandwidth (MHz)	78.2	78.2	78.2	19.8	19.8	19.8	≤83.5MHz
	Spread Bandwidth (MHz)	71.0	71.0	71.0	18.0	18.2	18.2	/
Mode		2DH1	2DH3	2DH5	AFH_2DH1	AFH_2DH3	AFH_2DH5	Limit
EDR Mode (π/4-DQPSK)	Occupied Bandwidth (MHz)	78.6	78.4	78.4	20.2	20.2	20.0	≤83.5MHz
	Spread Bandwidth (MHz)	71.4	71.2	71.2	18.4	18.4	18.4	/
Mode		3DH1	3DH3	3DH5	AFH_3DH1	AFH_3DH3	AFH_3DH5	Limit
EDR Mode (8DPSK)	Occupied Bandwidth (MHz)	78.2	78.4	78.4	20.2	20.0	20.2	≤83.5MHz
	Spread Bandwidth (MHz)	71.2	71.2	71.2	18.4	18.2	18.2	/

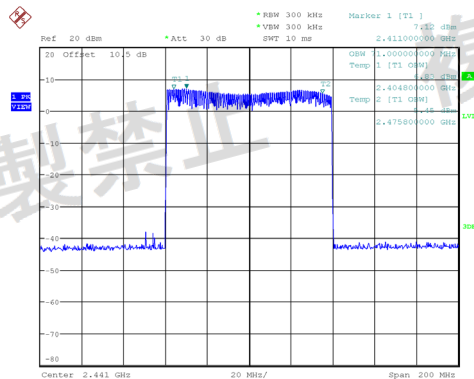
GFSK_Hopping_DH1

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:42:32

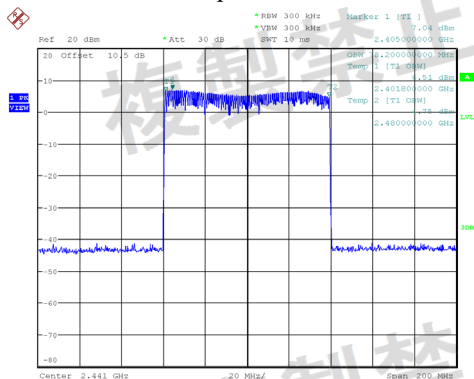
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:46:17

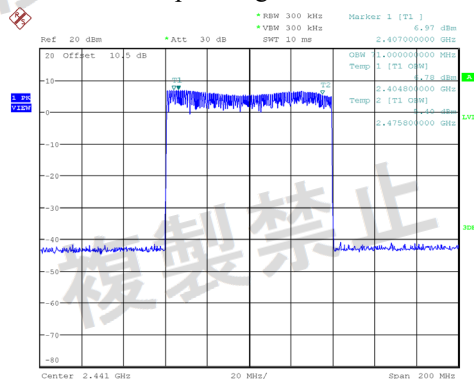
GFSK_Hopping_DH3

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:48:21

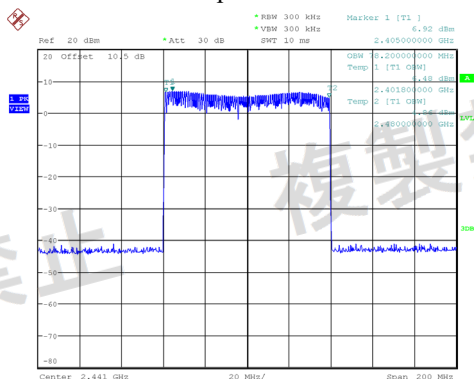
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:50:23

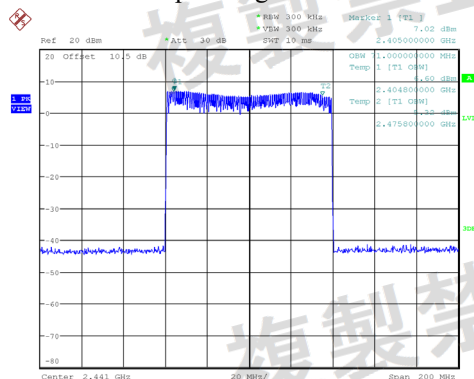
GFSK_Hopping_DH5

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:53:59

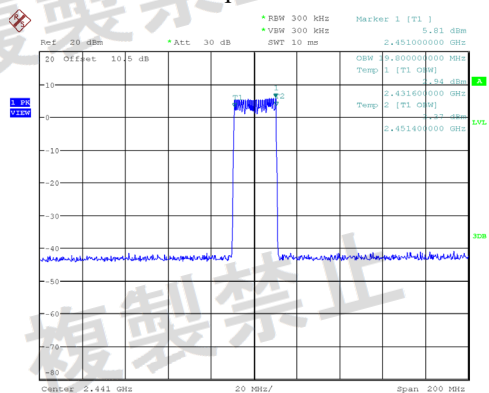
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:55:23

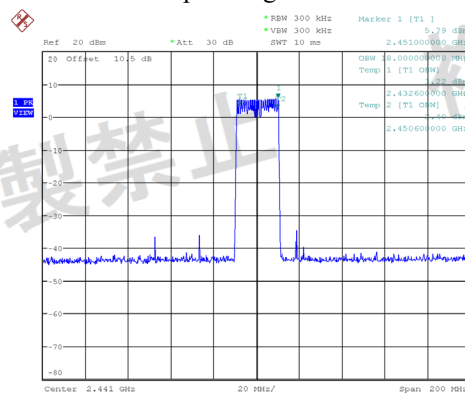
GFSK_Hopping_AFH_DH1

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:58:35

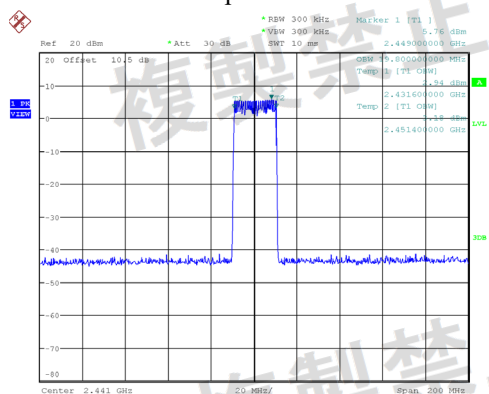
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:59:25

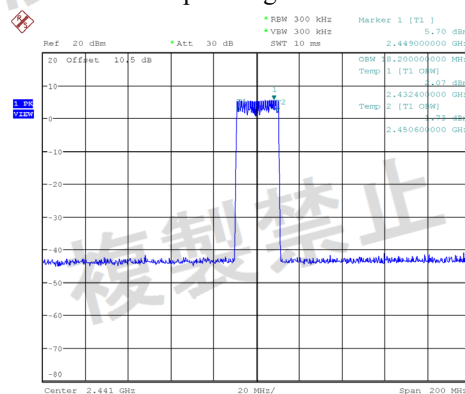
GFSK_Hopping_AFH_DH3

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:00:37

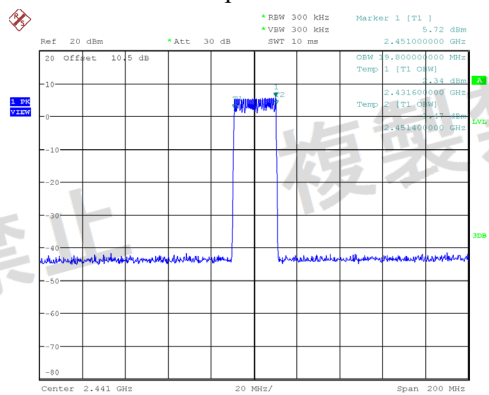
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:01:26

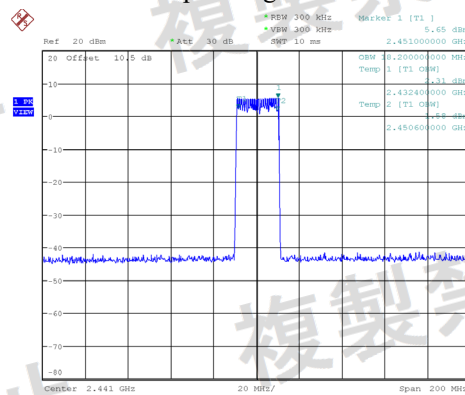
GFSK_Hopping_AFH_DH5

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:02:29

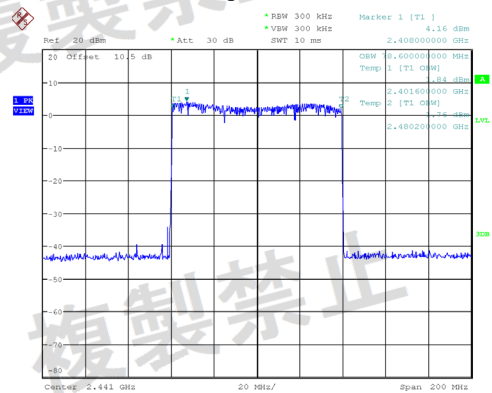
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:03:19

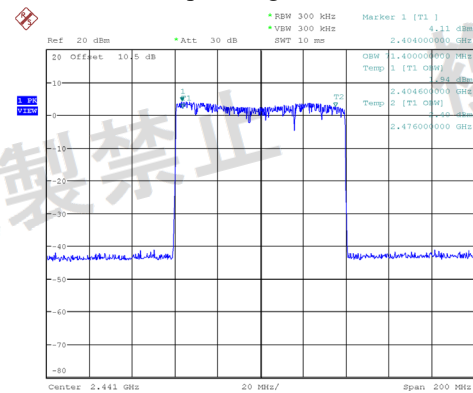
$\pi/4$ -DQPSK_Hopping_2DH1

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:05:11

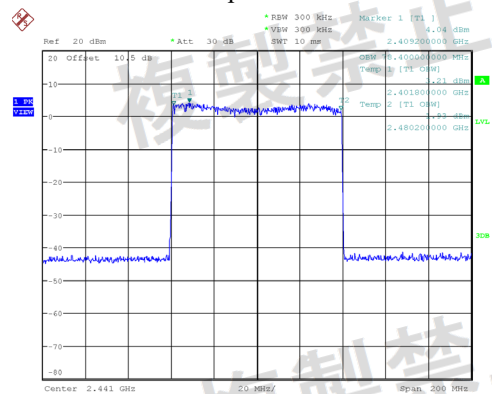
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:06:37

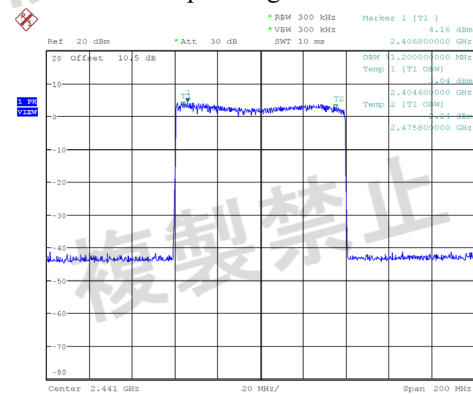
$\pi/4$ -DQPSK_Hopping_2DH3

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:08:08

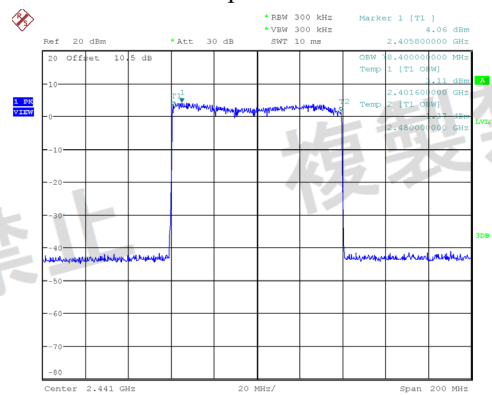
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:09:26

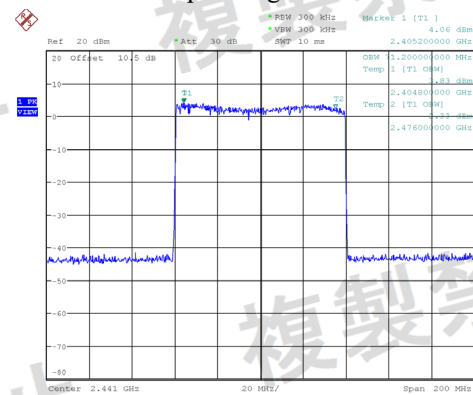
$\pi/4$ -DQPSK_Hopping_2DH5

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:11:00

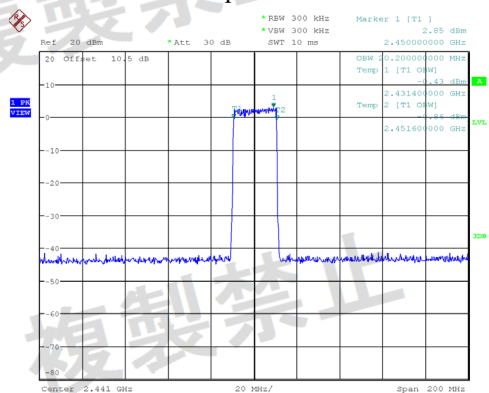
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:11:54

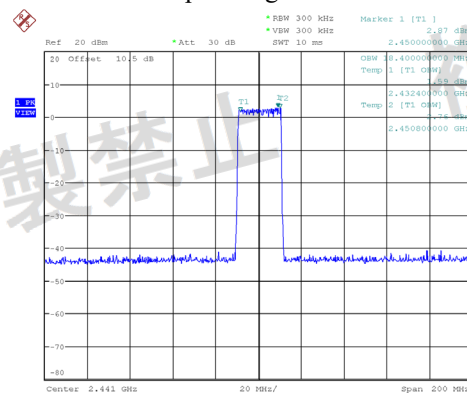
$\pi/4$ -DQPSK_Hopping_AFH_2DH1

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:13:01

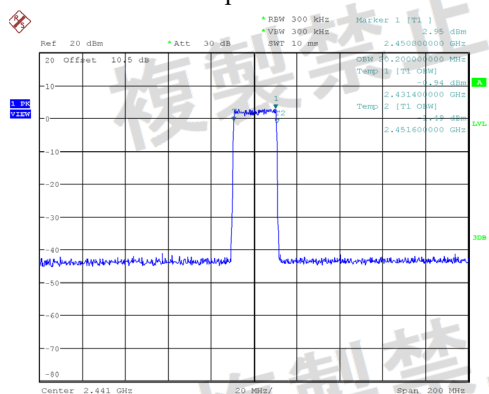
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:13:44

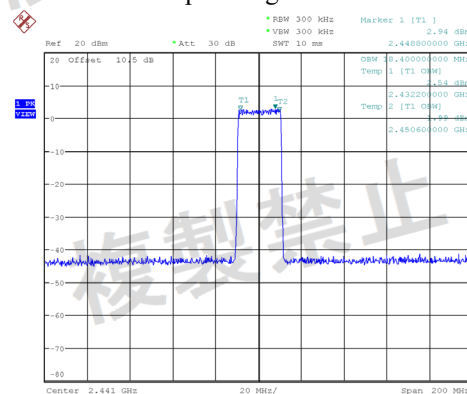
 $\pi/4$ -DQPSK_Hopping_AFH_2DH3

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:15:25

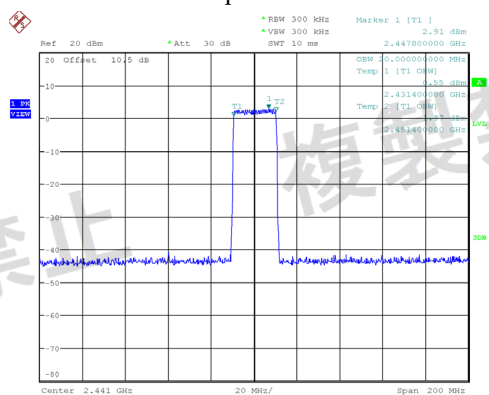
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:16:11

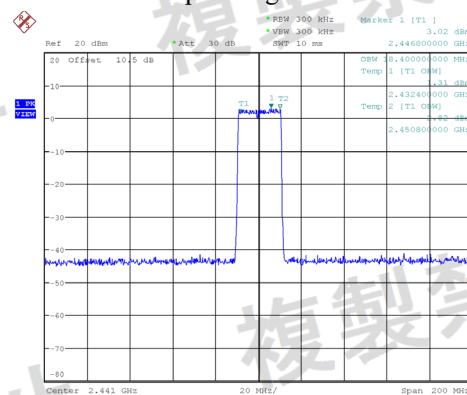
 $\pi/4$ -DQPSK_Hopping_AFH_2DH5

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:41:50

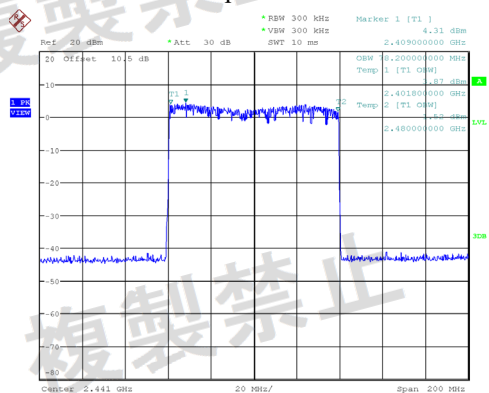
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:42:33

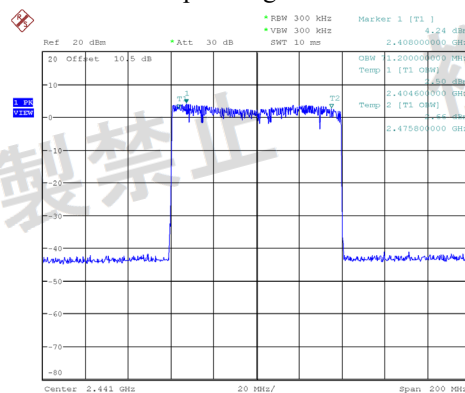
8DPSK_Hopping_3DH1

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:24:44

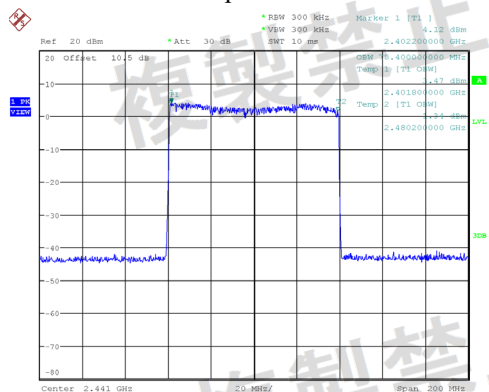
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:25:53

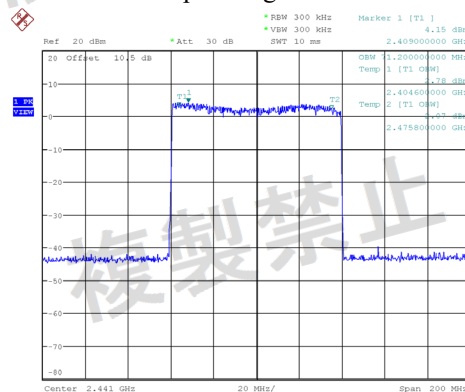
8DPSK_Hopping_3DH3

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:27:21

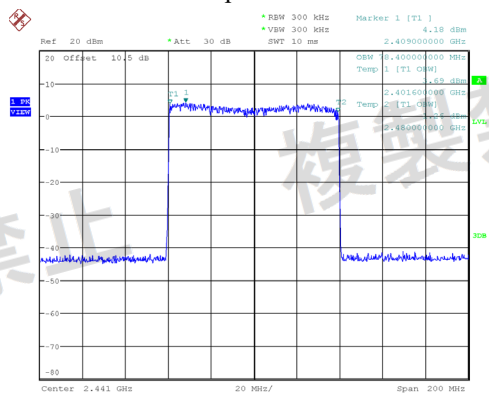
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:28:23

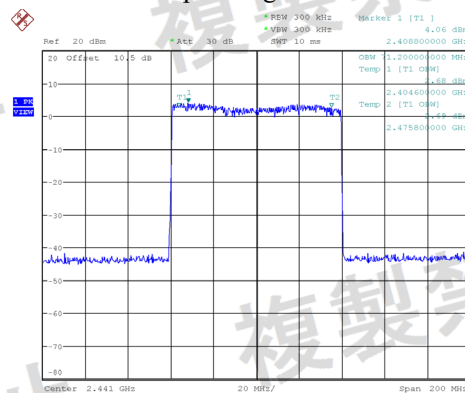
8DPSK_Hopping_3DH5

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:29:49

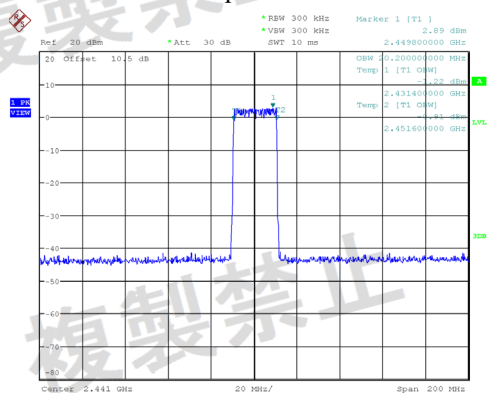
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:30:38

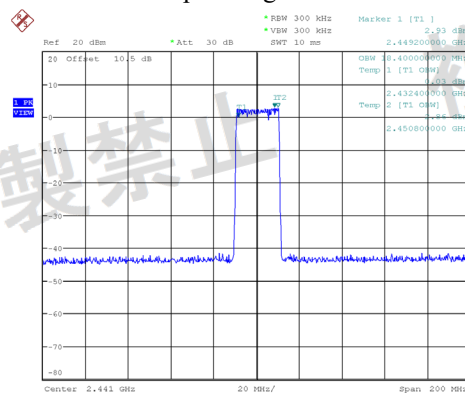
8DPSK_Hopping_AFH_3DH1

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:31:41

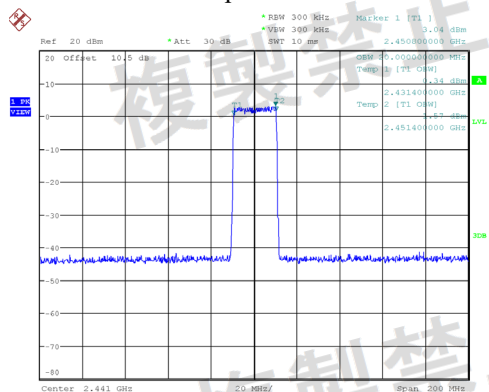
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:32:27

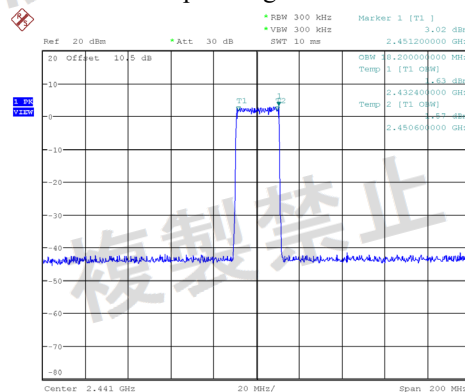
8DPSK_Hopping_AFH_3DH3

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:33:30

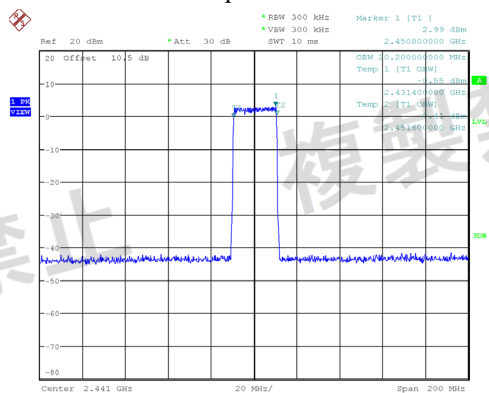
Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:34:09

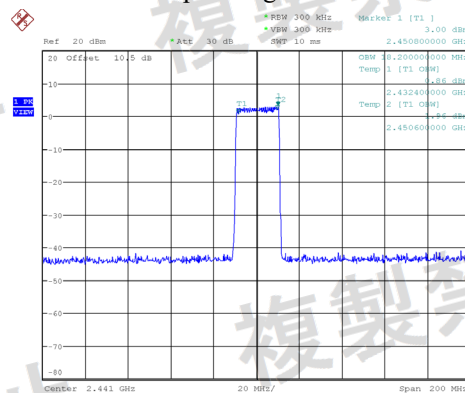
8DPSK_Hopping_AFH_3DH5

Occupied Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:35:12

Spreading Bandwidth



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:35:52

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Environmental Conditions & Test Information

Test Date:	2026-04-30
Temperature:	22.5°C
Relative Humidity:	60 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant

Test Mode: Transmitting

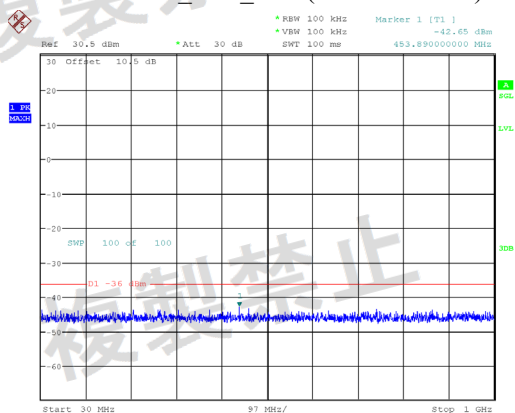
Test Condition: NV					
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
BDR(GFSK)	Low Channel	30MHz~1GHz(100kHz)	453.89	-42.65	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2379.3715	-38.08	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2400	-17.85	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2487.543	-36.56	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	10504.30175	-36.55	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	798.24	-43.02	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2374.517	-37.75	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2388.664	-36.17	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2496.2595	-36.10	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	11504.65175	-36.50	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	477.655	-42.67	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2234.43	-37.54	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2398.1475	-36.13	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2490.5785	-36.23	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	11064.49775	-36.46	-26dBm/MHz (2.5μW/MHz)

Test Condition: NV					
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
EDR($\pi/4$ -DQPSK)	Low Channel	30MHz~1GHz(100kHz)	719.67	-43.26	-36dBm/100kHz (0.25 μ W/100kHz)
		1GHz~2387MHz(1MHz)	2377.291	-36.82	-26dBm/MHz (2.5 μ W/MHz)
		2387MHz~2400MHz(1MHz)	2399.9935	-16.46	-16dBm/MHz (25 μ W/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2487.5885	-36.22	-16dBm/MHz (25 μ W/MHz)
		2496.5MHz~12500MHz(1MHz)	11514.65525	-36.30	-26dBm/MHz (2.5 μ W/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	377.745	-43.06	-36dBm/100kHz (0.25 μ W/100kHz)
		1GHz~2387MHz(1MHz)	1737.1905	-37.62	-26dBm/MHz (2.5 μ W/MHz)
		2387MHz~2400MHz(1MHz)	2393.3635	-36.91	-16dBm/MHz (25 μ W/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2492.509	-36.68	-16dBm/MHz (25 μ W/MHz)
		2496.5MHz~12500MHz(1MHz)	3511.85525	-36.60	-26dBm/MHz (2.5 μ W/MHz)
	High Channel	30MHz~1GHz(100kHz)	342.34	-43.14	-36dBm/100kHz (0.25 μ W/100kHz)
		1GHz~2387MHz(1MHz)	2344.6965	-37.79	-26dBm/MHz (2.5 μ W/MHz)
		2387MHz~2400MHz(1MHz)	2393.292	-36.99	-16dBm/MHz (25 μ W/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2483.7405	-36.21	-16dBm/MHz (25 μ W/MHz)
		2496.5MHz~12500MHz(1MHz)	10564.32275	-35.96	-26dBm/MHz (2.5 μ W/MHz)

Test Condition: NV					
Mode	Channel	Test Band(RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
EDR(8DPSK)	Low Channel	30MHz~1GHz(100kHz)	714.335	-42.97	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2292.684	-37.94	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2400	-16.17	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2490.9035	-36.93	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2561.52275	-36.57	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	560.59	-41.93	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	1974.3675	-36.51	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2396.6915	-36.48	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2486.295	-36.32	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	11574.67625	-36.25	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	644.01	-43.10	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2319.7305	-37.46	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2395.489	-37.02	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2485.918	-36.38	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	3331.79225	-35.94	-26dBm/MHz (2.5μW/MHz)

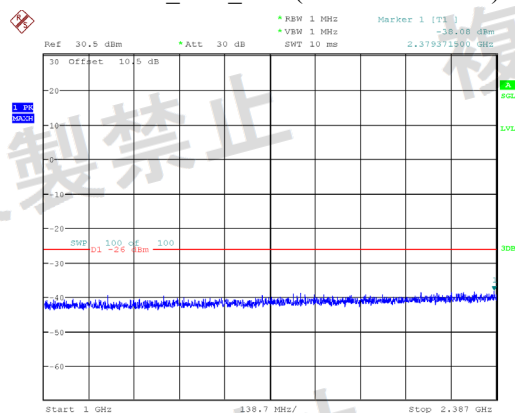
Please refer to the following plots:

GFSK_Low_DH1(30MHz~1GHz)



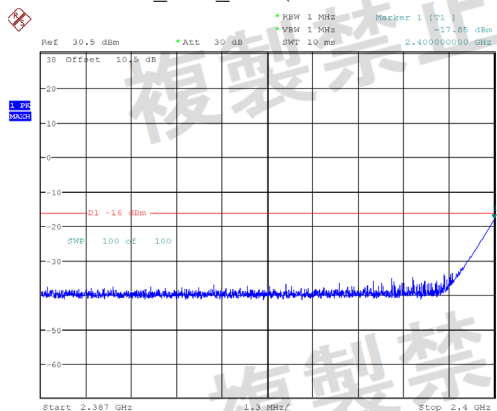
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:45:29

GFSK_Low_DH1(1GHz~2.387GHz)



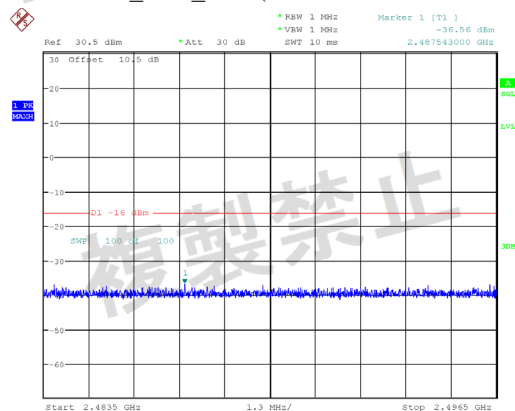
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:45:44

GFSK_Low_DH1(2.387GHz~2.4GHz)



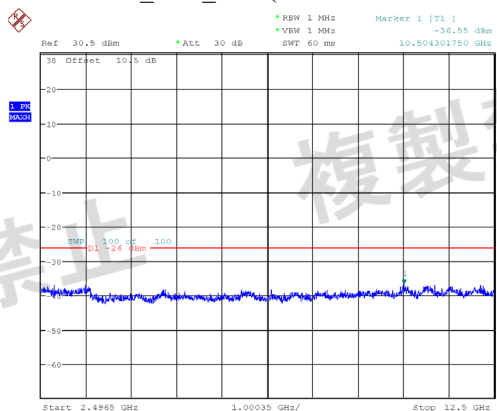
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:45:57

GFSK_Low_DH1(2.4835GHz~2.4965GHz)



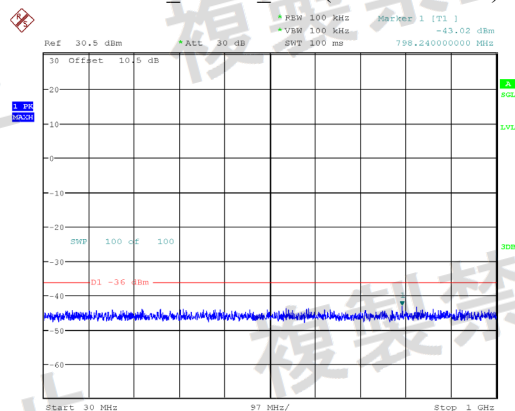
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:46:09

GFSK_Low_DH1(2.4965GHz~12.5GHz)



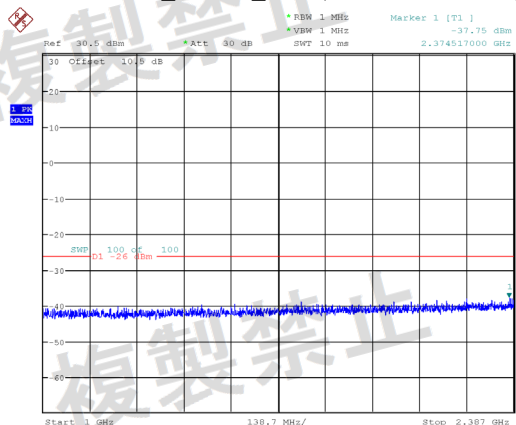
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:46:38

GFSK_Middle_DH1(30MHz~1GHz)



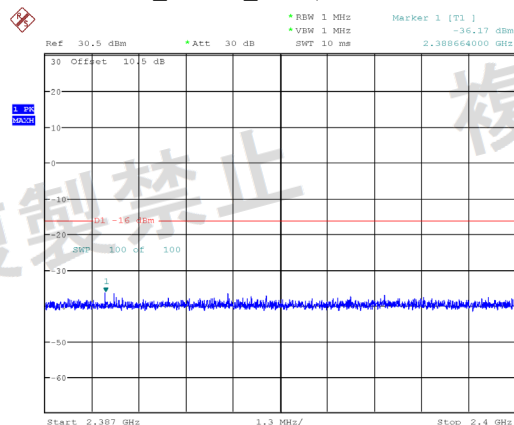
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:47:15

GFSK_Middle_DH1(1GHz~2.387GHz)



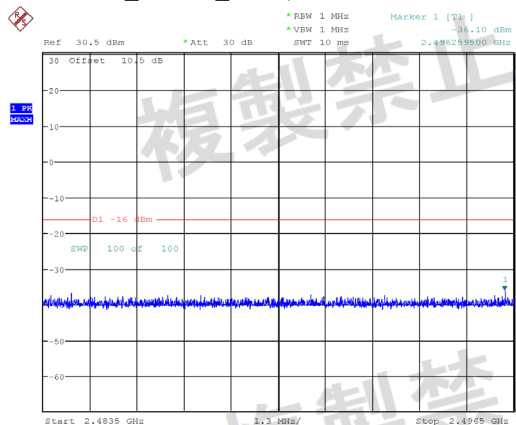
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:47:30

GFSK_Middle_DH1(2.387GHz~2.4GHz)



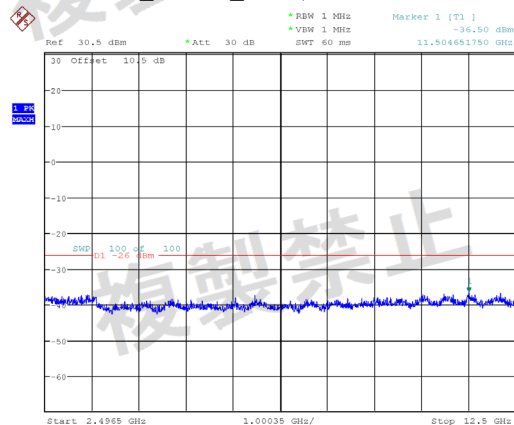
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:47:42

GFSK_Middle_DH1(2.4835GHz~2.4965GHz)



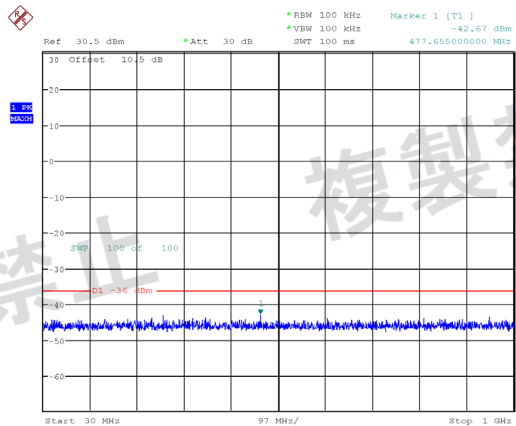
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:47:54

GFSK_Middle_DH1(2.4965GHz~12.5GHz)



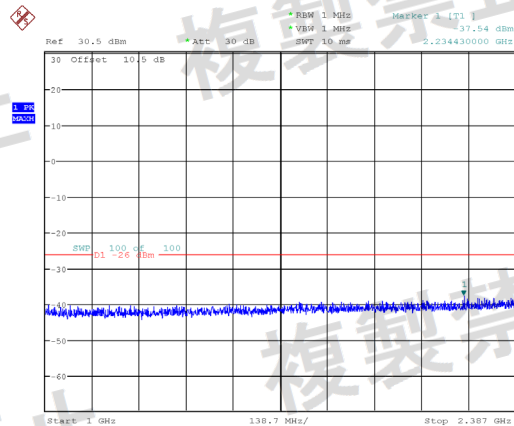
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:48:24

GFSK_High_DH1(30MHz~1GHz)



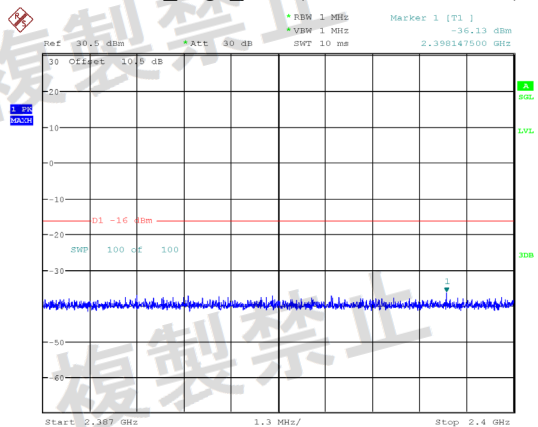
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:49:14

GFSK_High_DH1(1GHz~2.387GHz)



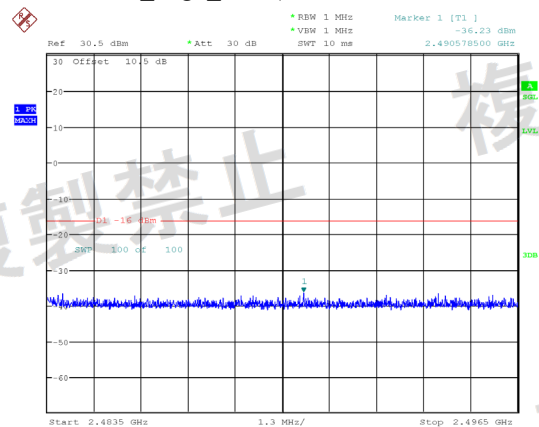
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:49:29

GFSK_High_DH1(2.387GHz~2.4GHz)



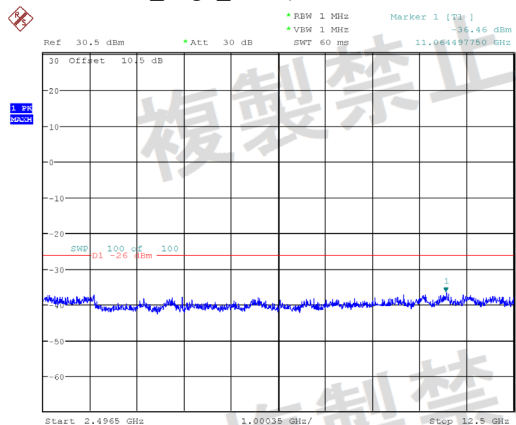
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:49:41

GFSK_High_DH1(2.4835GHz~2.4965GHz)

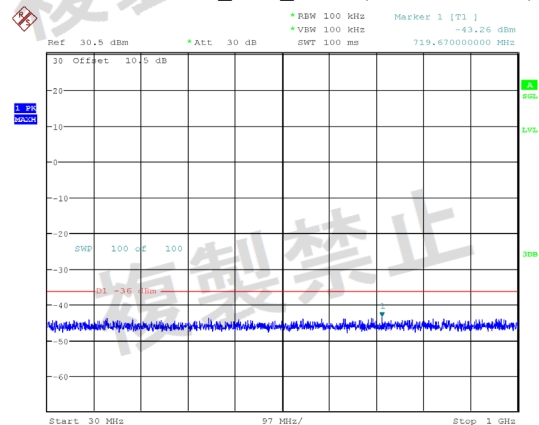


ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:49:53

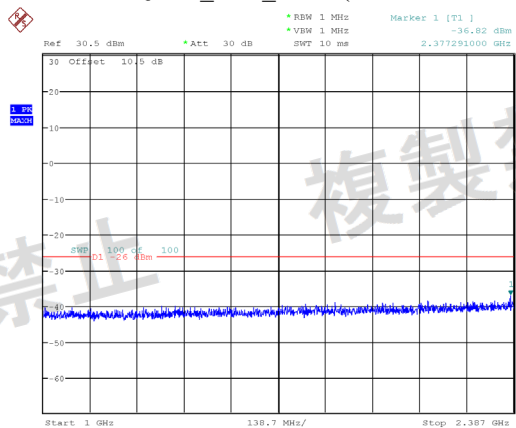
GFSK_High_DH1(2.4965GHz~12.5GHz)



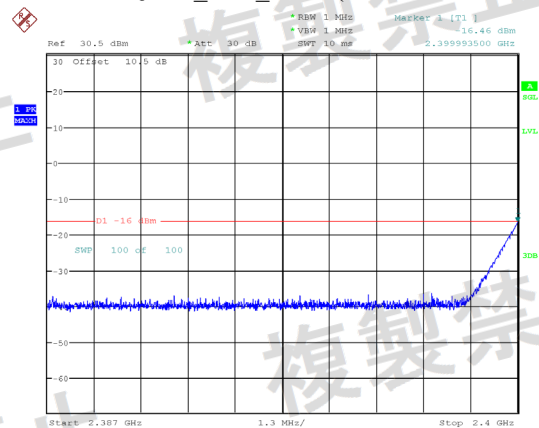
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:50:23

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

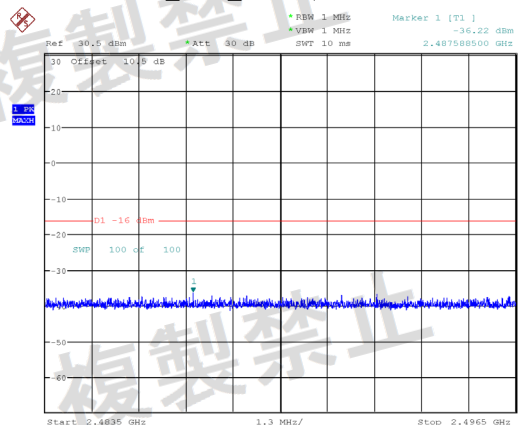
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:55:51

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

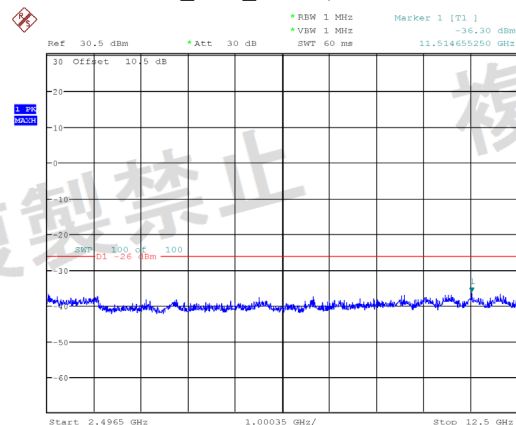
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:56:06

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

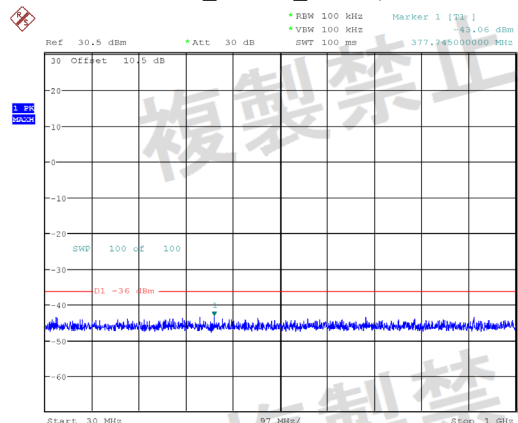
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:56:18

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

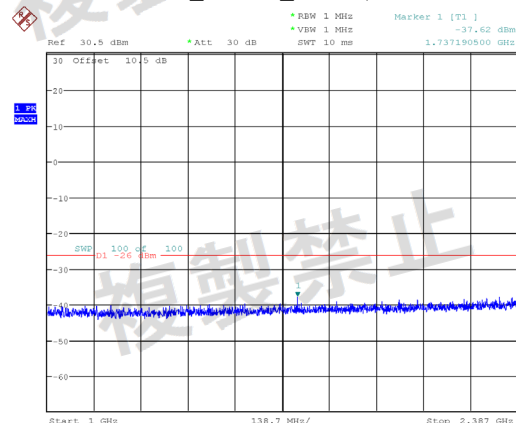
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:56:30

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

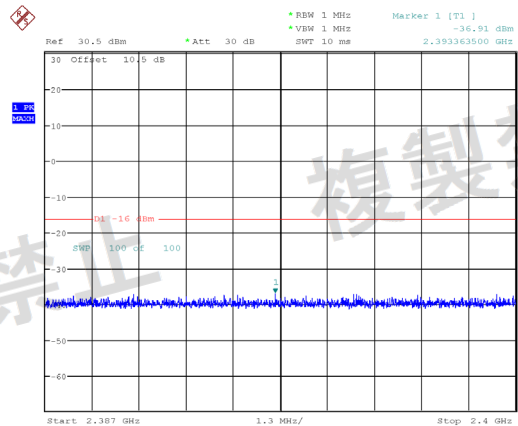
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 09:57:00

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

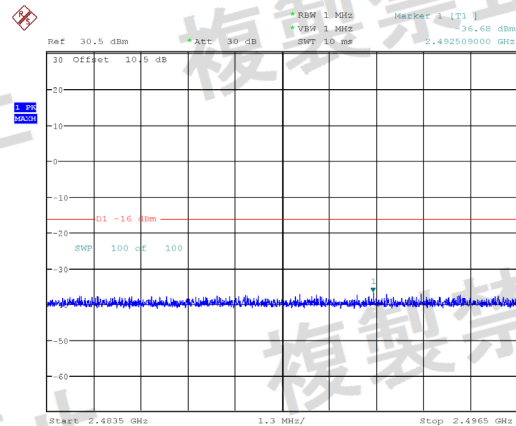
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:01:10

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

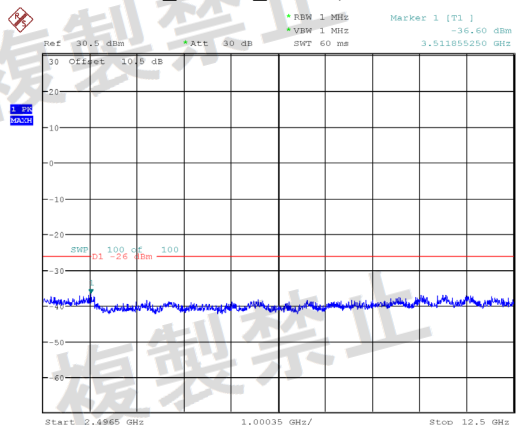
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:01:33

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

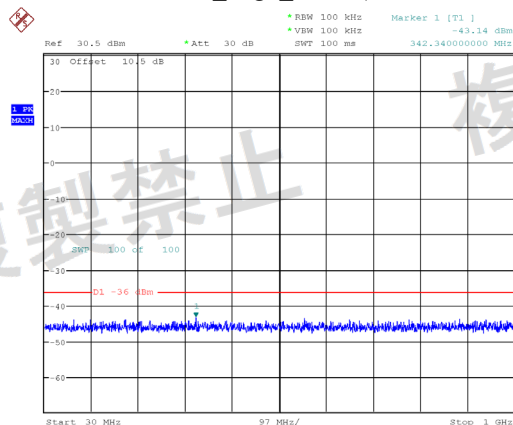
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:01:45

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

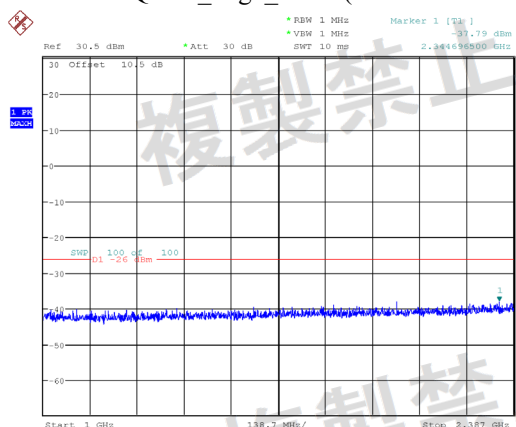
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:01:57

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

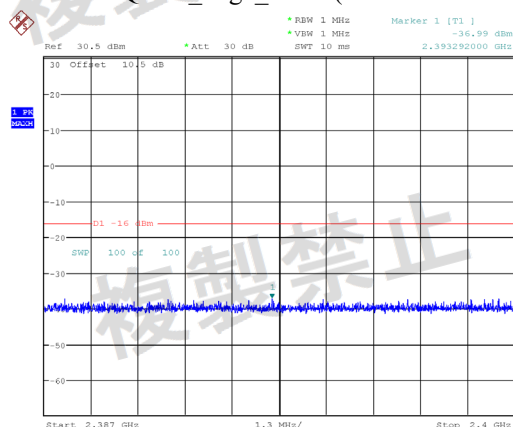
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:02:27

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

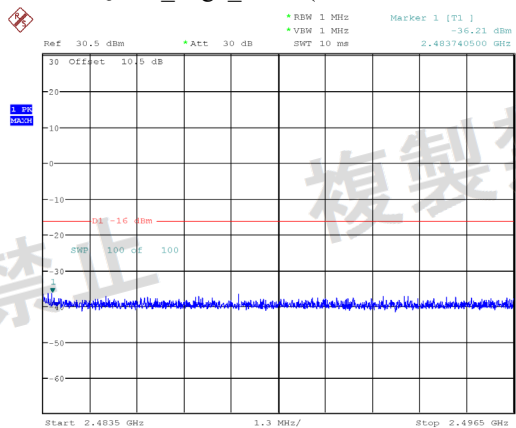
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:02:56

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

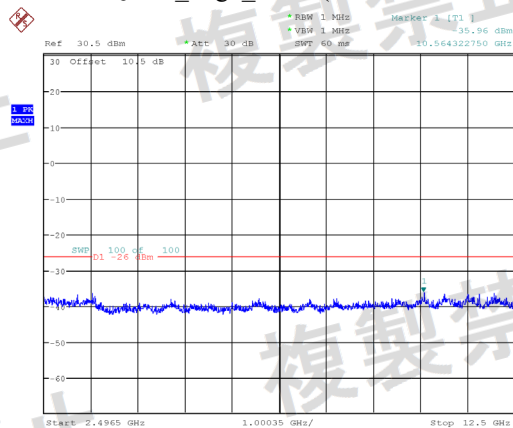
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:03:10

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

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:03:22

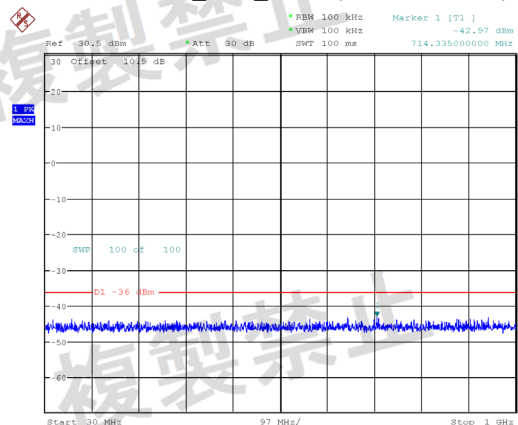
 $\pi/4$ -DQPSK_High_2DH1(2.4835GHz~2.4965GHz)

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:03:34

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

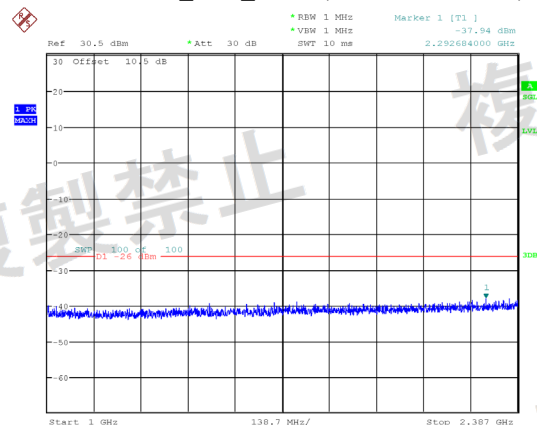
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:04:04

8DPSK_Low_3DH1(30MHz~1GHz)



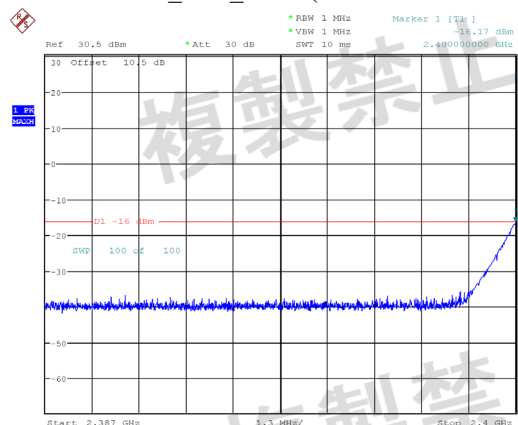
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:07:25

8DPSK_Low_3DH1(1GHz~2.387GHz)



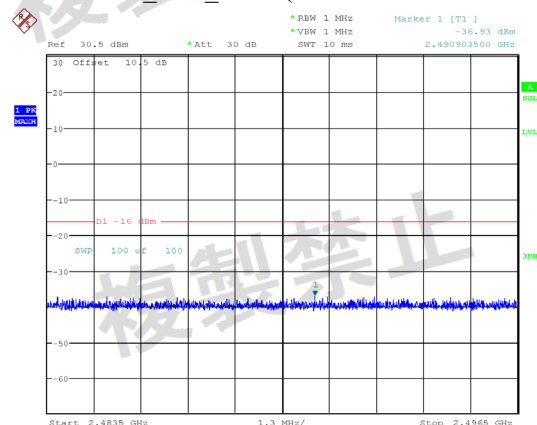
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:07:40

8DPSK_Low_3DH1(2.387GHz~2.4GHz)



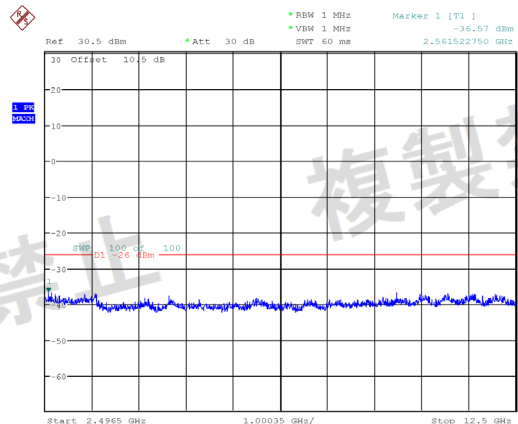
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:07:52

8DPSK_Low_3DH1(2.4835GHz~2.4965GHz)



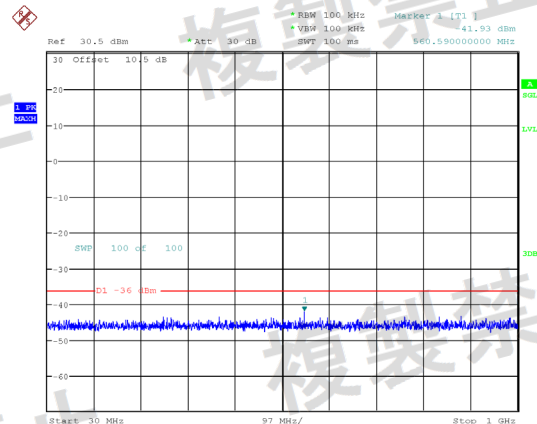
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:08:04

8DPSK_Low_3DH1(2.4965GHz~12.5GHz)



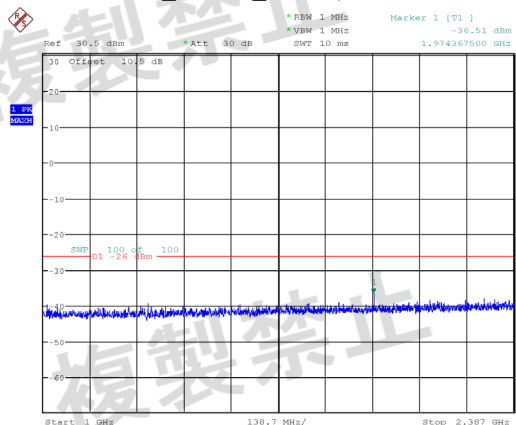
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:08:34

8DPSK_Middle_3DH1(30MHz~1GHz)



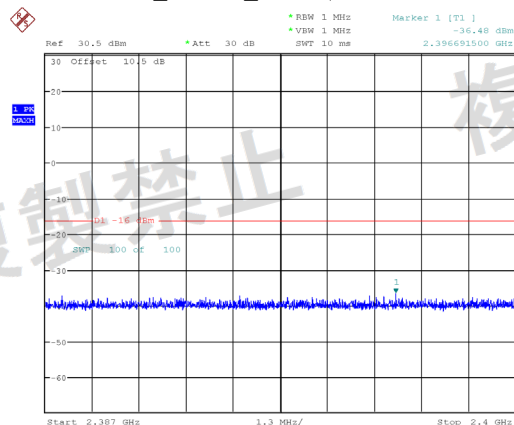
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:22:23

8DPSK_Middle_3DH1(1GHz~2.387GHz)



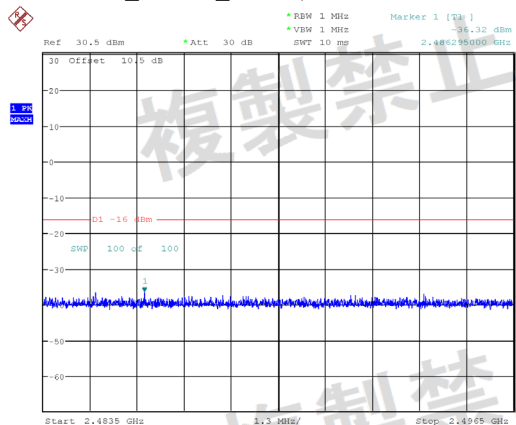
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:22:38

8DPSK_Middle_3DH1(2.387GHz~2.4GHz)



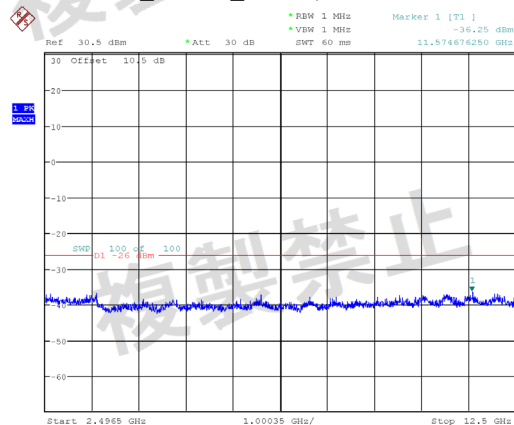
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:22:50

8DPSK_Middle_3DH1(2.4835GHz~2.4965GHz)



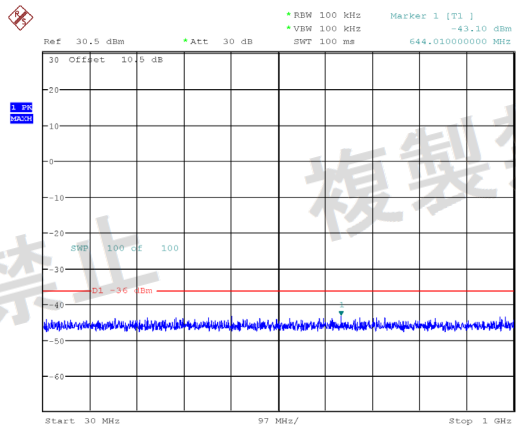
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:23:38

8DPSK_Middle_3DH1(2.4965GHz~12.5GHz)



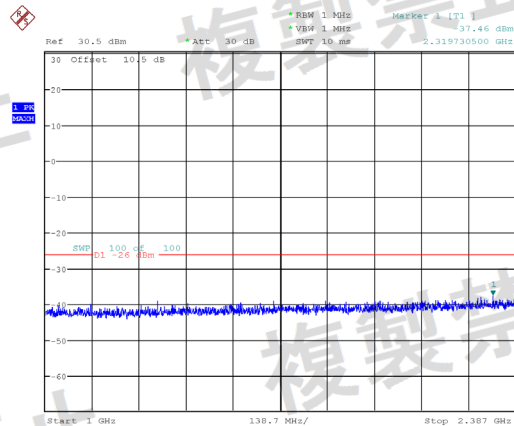
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:23:32

8DPSK_High_3DH1(30MHz~1GHz)



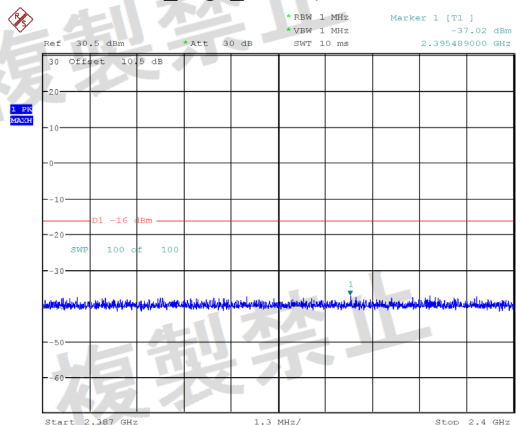
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:24:08

8DPSK_High_3DH1(1GHz~2.387GHz)



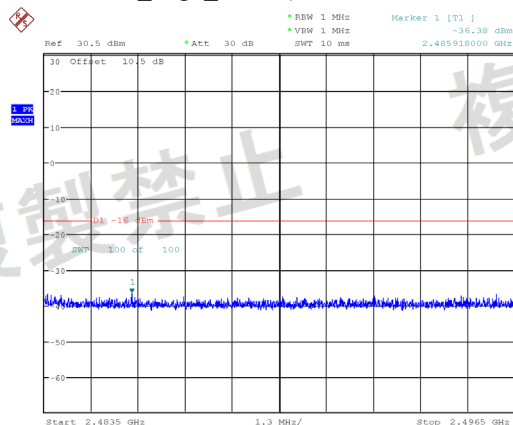
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:24:23

8DPSK_High_3DH1(2.387GHz~2.4GHz)



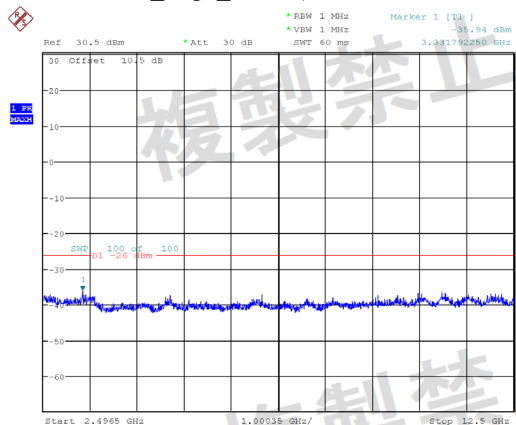
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:24:35

8DPSK_High_3DH1(2.4835GHz~2.4965GHz)



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:24:47

8DPSK_High_3DH1(2.4965GHz~12.5GHz)



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 10:25:17

ANTENNA OUTPUT POWER AND OUTPUT POWER TOLERANCE**Environmental Conditions & Test Information**

Test Date:	2026-04-30
Temperature:	22.5°C
Relative Humidity:	60 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Mode: Transmitting

Mode	BDR (GFSK)	EDR ($\pi/4$ -DQPSK)	EDR (8DPSK)	AFH_BDR (GFSK)	AFH_EDR ($\pi/4$ -DQPSK)	AFH_EDR (8DPSK)
Voltage (V_{DC})	3.8					
Power Meter Reading (dBm)	5.68	5.25	5.58	4.52	4.29	4.62
Power Meter Reading (mW)	3.698	3.350	3.614	2.831	2.685	2.897
Spread Bandwidth (MHz)	71.00	71.00	71.00	18.00	18.20	18.20
Antenna Output Power (mW/MHz)	0.052	0.047	0.051	0.157	0.148	0.159
Antenna Output Power (dBm/MHz)	-12.84	-13.28	-12.92	-8.04	-8.30	-7.99
EIRP (dBm/MHz)	-12.24	-12.68	-12.32	-7.44	-7.70	-7.39
Declared Power (mW/MHz)	0.05	0.05	0.05	0.15	0.15	0.15
Antenna Output Power Tolerance(%)	4	-6	2	4.67	-1.33	6
Antenna Power Limit	3mW/MHz					
EIRP Limit	6.91dBm/MHz					
Antenna Tolerance Limit	+20%					
Result	Pass					

Note:

1. The duty cycle has been add in power meter
2. Antenna Output Power = Reading / Spread Bandwidth
3. Antenna Output Power Tolerance = (Antenna Output power - Declared Power) / Declared Power*100%
4. EIRP = Antenna Output Power + Antenna gain
5. Antenna gain is 0.6 dBi.

RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY**Environmental Conditions & Test Information**

Test Date:	2026-04-29
Temperature:	21°C
Relative Humidity:	51 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Receiving*

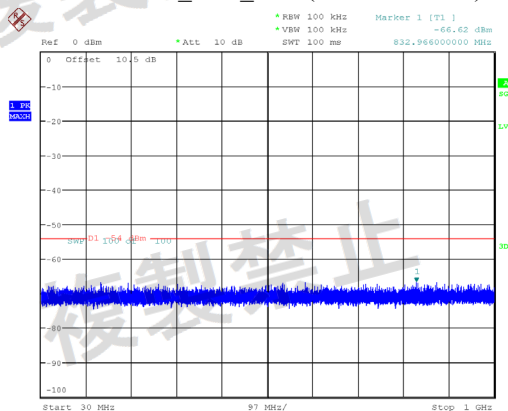
Test Condition: NV					
Mode	Channel	Test Band	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
BDR(GFSK)	Low Channel	30MHz~1GHz	832.966	-66.62	-54dBm (4nW)
		1GHz~12500MHz	11541.475	-57.04	-47dBm (20nW)
	Middle Channel	30MHz~1GHz	336.0835	-66.30	-54dBm (4nW)
		1GHz~12500MHz	3558.175	-57.29	-47dBm (20nW)
	High Channel	30MHz~1GHz	309.845	-66.57	-54dBm (4nW)
		1GHz~12500MHz	2610.575	-56.97	-47dBm (20nW)

Test Condition: NV					
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
EDR($\pi/4$ -DQPSK)	Low Channel	30MHz~1GHz	837.525	-66.13	-54dBm (4nW)
		1GHz~12500MHz	3590.375	-56.85	-47dBm (20nW)
	Middle Channel	30MHz~1GHz	844.315	-65.91	-54dBm (4nW)
		1GHz~12500MHz	11577.125	-57.63	-47dBm (20nW)
	High Channel	30MHz~1GHz	959.648	-65.98	-54dBm (4nW)
		1GHz~12500MHz	3515.625	-57.17	-47dBm (20nW)

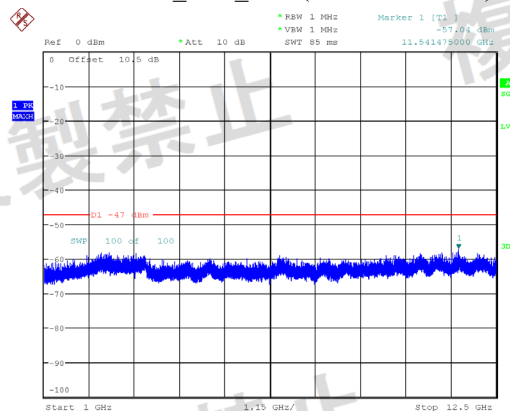
Test Condition: NV					
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
EDR(8DPSK)	Low Channel	30MHz~1GHz	347.2385	-66.58	-54dBm (4nW)
		1GHz~12500MHz	3465.6	-57.03	-47dBm (20nW)
	Middle Channel	30MHz~1GHz	335.938	-66.34	-54dBm (4nW)
		1GHz~12500MHz	3566.8	-57.30	-47dBm (20nW)
	High Channel	30MHz~1GHz	402.383	-65.73	-54dBm (4nW)
		1GHz~12500MHz	10003.35	-57.69	-47dBm (20nW)

Please refer to the following plots for normal voltage:

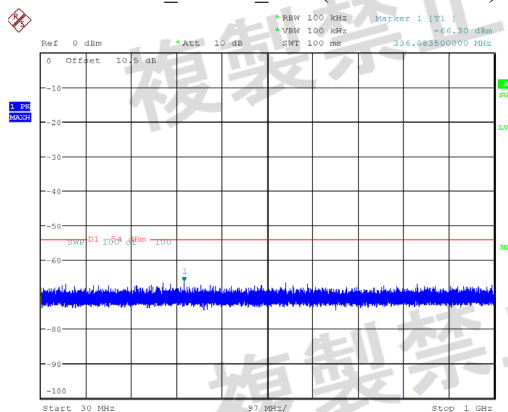
GFSK_Low_DH1(30MHz~1GHz)



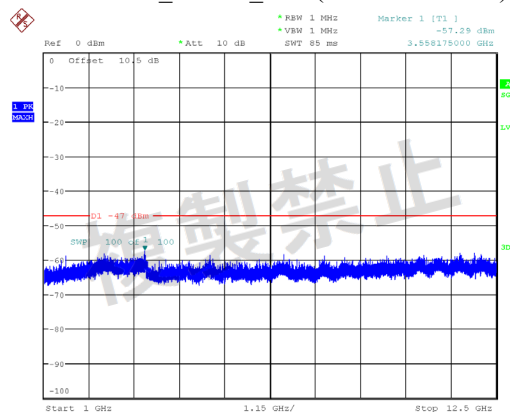
GFSK_Low_DH1(1GHz~12.5GHz)



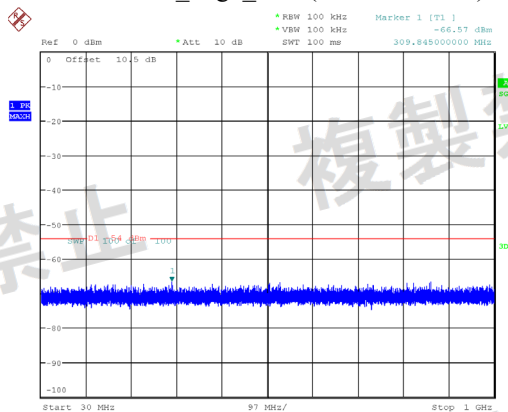
GFSK_Middle_DH1(30MHz~1GHz)



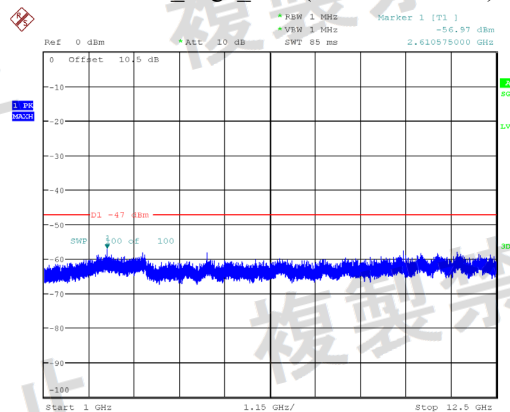
GFSK_Middle_DH1(1GHz~12.5GHz)

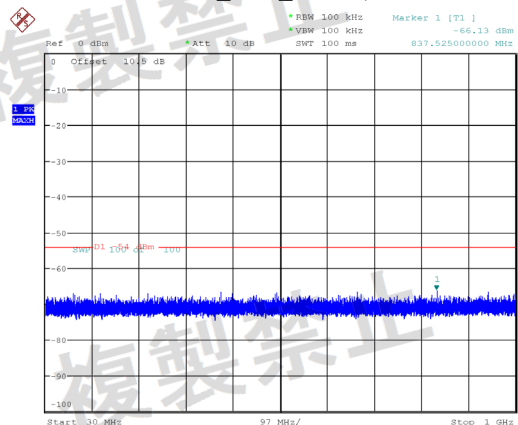


GFSK_High_DH1(30MHz~1GHz)

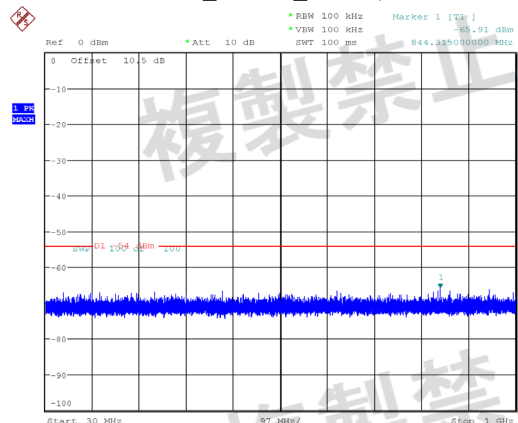


GFSK_High_DH1(1GHz~12.5GHz)

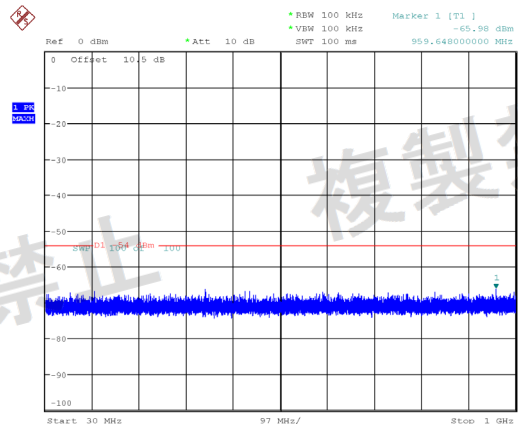


$\pi/4$ -DQPSK_Low_2DH1(30MHz~1GHz)

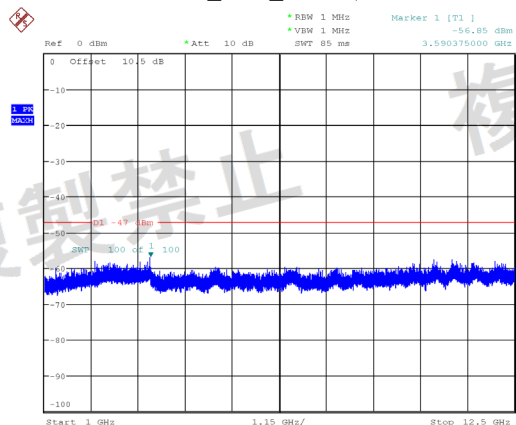
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:45:27

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

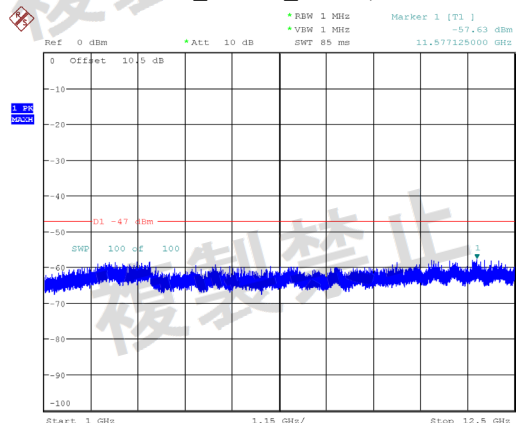
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:46:59

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

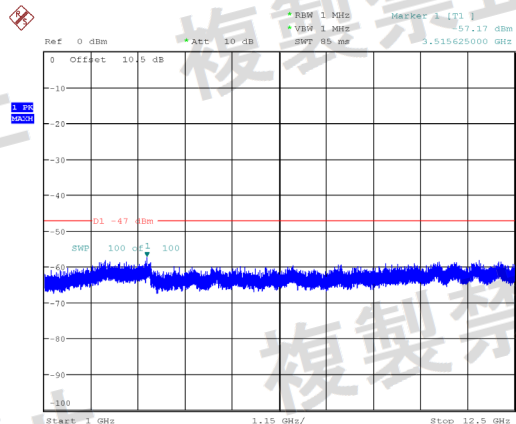
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:48:15

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

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:46:07

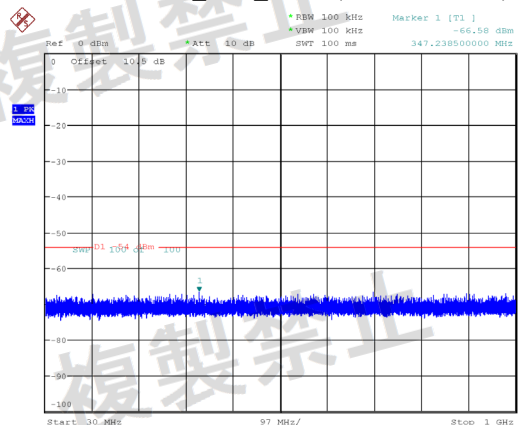
 $\pi/4$ -DQPSK_Middle_2DH1(1GHz~12.5GHz)

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:47:40

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

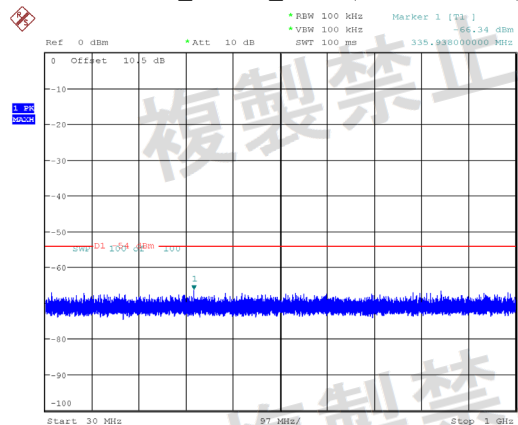
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:48:56

8DPSK_Low_3DH1(30MHz~1GHz)



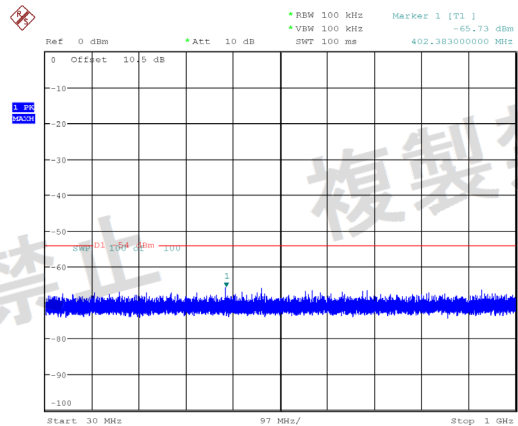
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:49:29

8DPSK_Middle_3DH1(30MHz~1GHz)



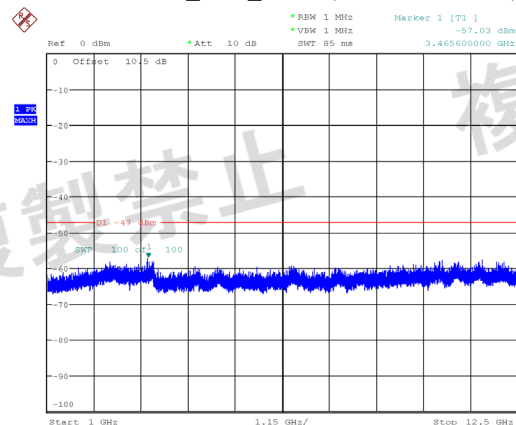
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:51:23

8DPSK_High_3DH1(30MHz~1GHz)



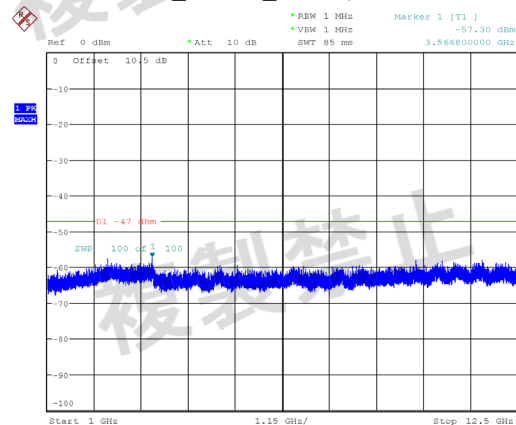
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:52:38

8DPSK_Low_3DH1(1GHz~12.5GHz)



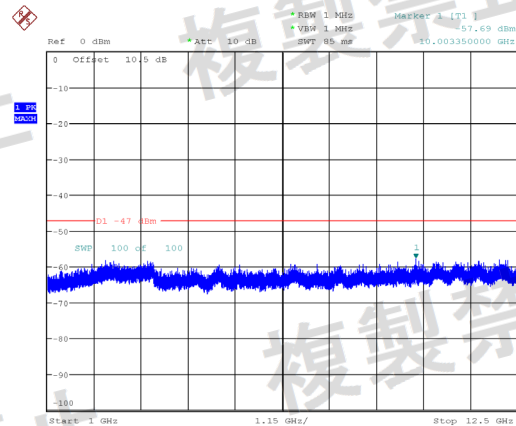
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:50:10

8DPSK_Middle_3DH1(1GHz~12.5GHz)



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:52:05

8DPSK_High_3DH1(1GHz~12.5GHz)



ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 29.APR.2026 19:53:18

FREQUENCY HOPPING DWELL TIME**Environmental Conditions & Test Information**

Test Date:	2026-04-30
Temperature:	22.5°C
Relative Humidity:	60 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

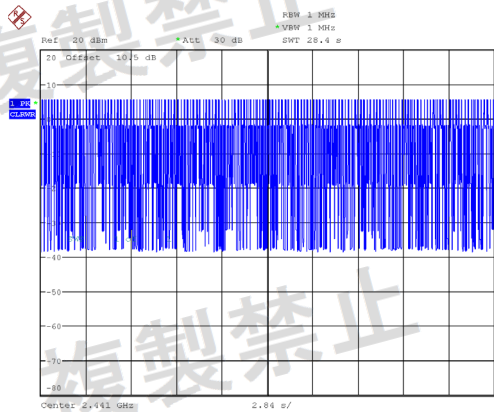
Test Result: Transmitting**Time of Occupancy**

Mode	Packet Type	Time Per One Hopping (ms)	Hopping Numbers	Dwell Time (s)	Limit (s)
BDR (GFSK)	DH1	0.396	194	0.077	≤0.4
	DH3	1.663	119	0.198	≤0.4
	DH5	2.934	85	0.249	≤0.4
	AFH_DH1	0.396	185	0.073	≤0.4
	AFH_DH3	1.654	122	0.202	≤0.4
	AFH_DH5	2.934	84	0.246	≤0.4
EDR (π/4-DQPSK)	2DH1	0.404	204	0.082	≤0.4
	2DH3	1.663	116	0.193	≤0.4
	2DH5	2.934	84	0.246	≤0.4
	AFH_2DH1	0.404	189	0.076	≤0.4
	AFH_2DH3	1.659	118	0.196	≤0.4
	AFH_2DH5	2.958	83	0.246	≤0.4
EDR(8DPSK)	3DH1	0.404	198	0.080	≤0.4
	3DH3	1.668	114	0.190	≤0.4
	3DH5	2.958	83	0.246	≤0.4
	AFH_3DH1	0.404	194	0.078	≤0.4
	AFH_3DH3	1.663	121	0.201	≤0.4
	AFH_3DH5	2.942	72	0.212	≤0.4

Note:

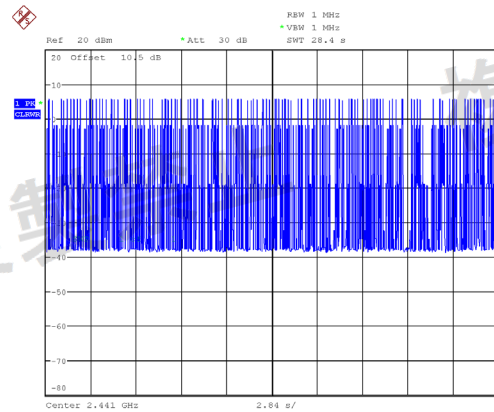
1. Dwell time = Time per one hopping (Ton) * hopping number (within the time obtained by multiplying the Spread Bandwidth by 0.4s).
2. The Spread Bandwidth please refer to Occupied Bandwidth and Spreading Bandwidth.

GFSK_Hopping_DH1



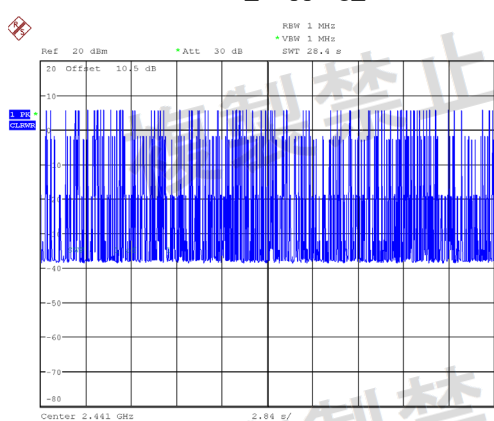
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:13:18

GFSK_Hopping_DH3

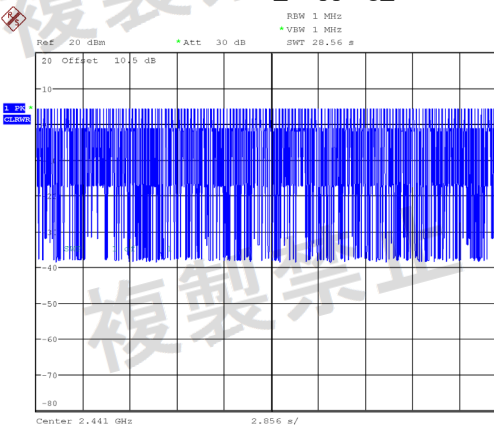


ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:14:27

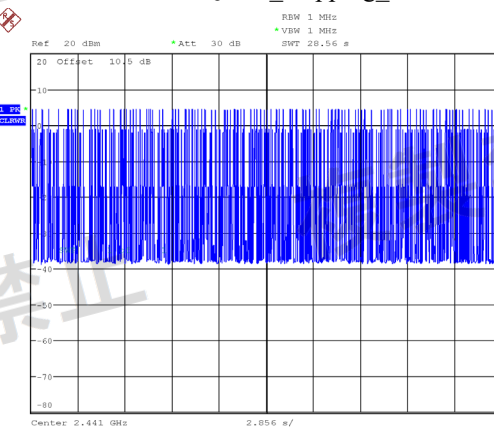
GFSK_Hopping_DH5



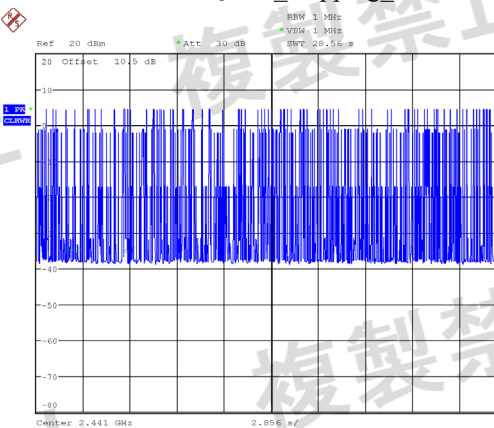
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:15:59

 $\pi/4$ -DQPSK_Hopping_2DH1

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:52:55

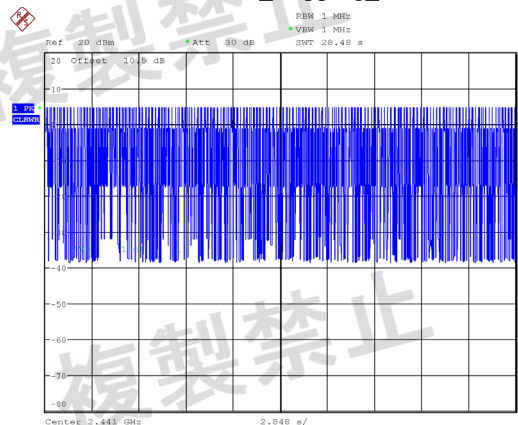
 $\pi/4$ -DQPSK_Hopping_2DH3

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:17:02

 $\pi/4$ -DQPSK_Hopping_2DH5

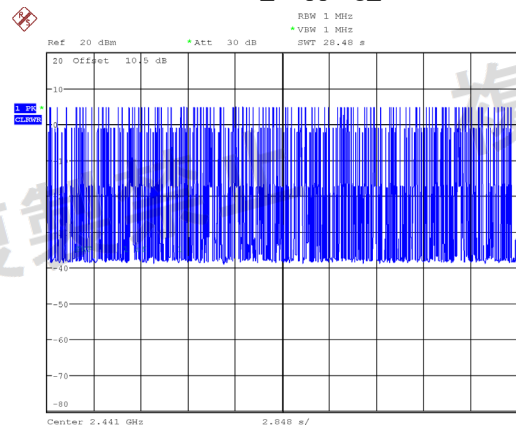
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:18:00

8DPSK_Hopping_3DH1



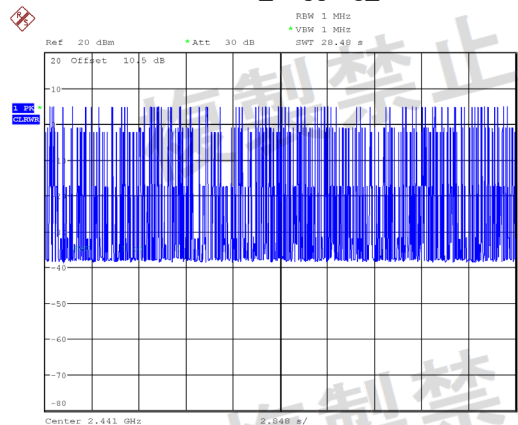
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:58:52

8DPSK_Hopping_3DH3

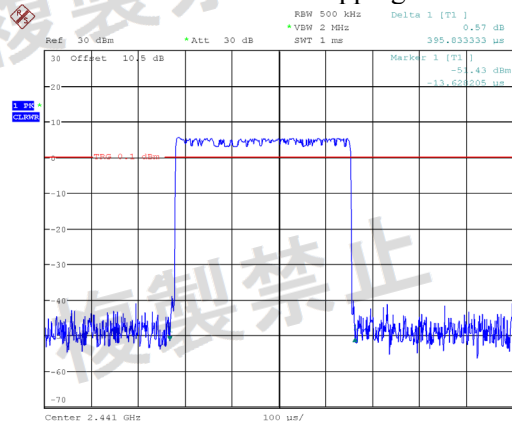


ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:59:49

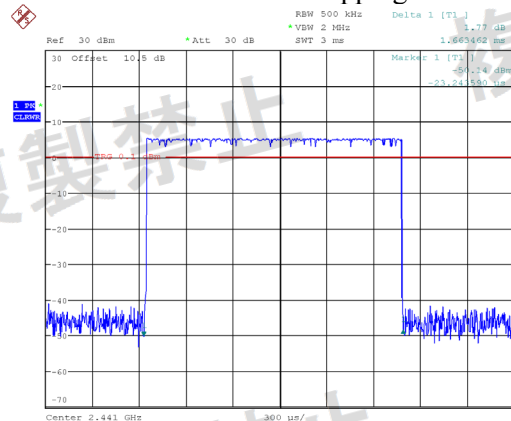
8DPSK_Hopping_3DH5



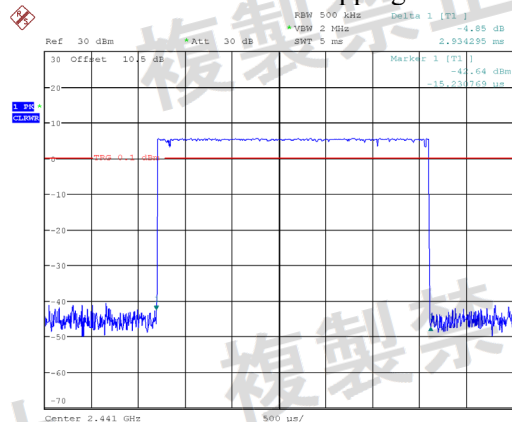
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 12:00:47

BDR Mode (GFSK):**Time Per One Hopping - DH1**

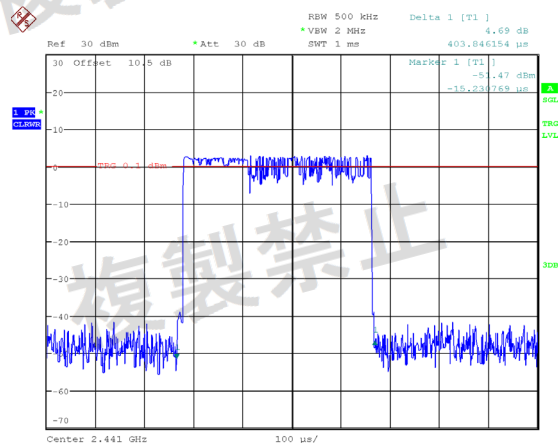
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:23:14

Time Per One Hopping - DH3

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:28:04

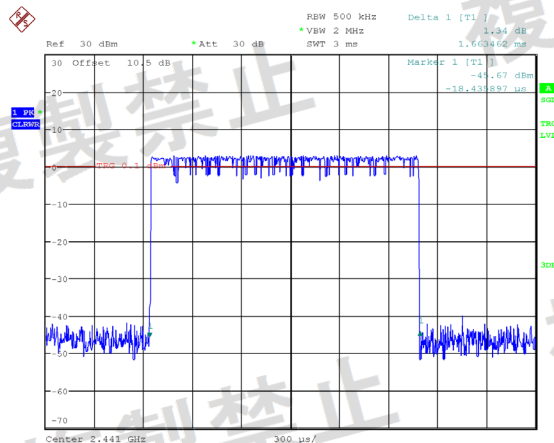
Time Per One Hopping - DH5

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:33:36

EDR Mode ($\pi/4$ -DQPSK):**Time Per One Hopping - 2DH1**

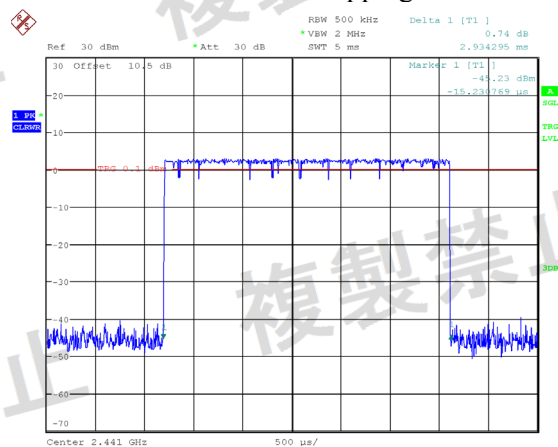
ProjectNo.:RKSA260304002 Tester:Neil Zhou

Date: 30.APR.2026 13:24:45

Time Per One Hopping - 2DH3

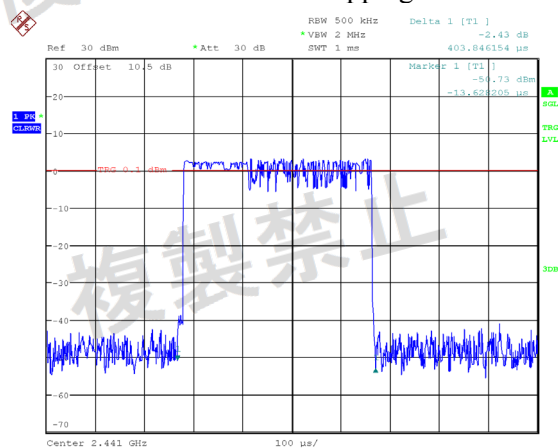
ProjectNo.:RKSA260304002 Tester:Neil Zhou

Date: 30.APR.2026 13:29:06

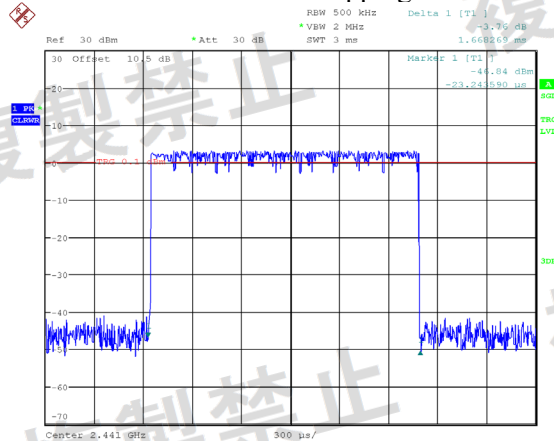
Time Per One Hopping - 2DH5

ProjectNo.:RKSA260304002 Tester:Neil Zhou

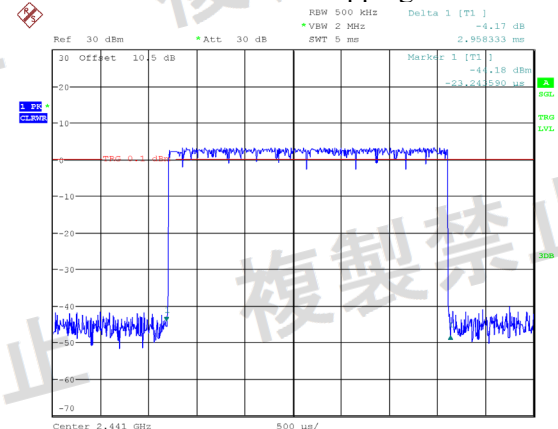
Date: 30.APR.2026 13:34:34

EDR Mode (8DPSK):**Time Per One Hopping - 3DH1**

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:25:41

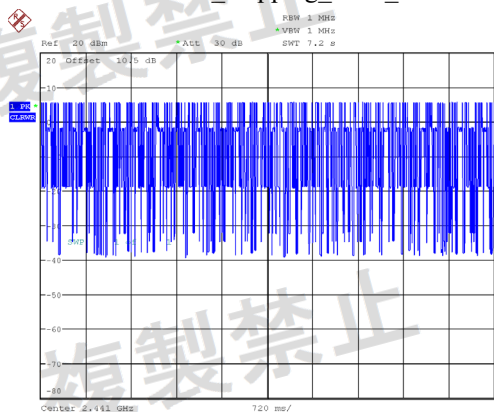
Time Per One Hopping - 3DH3

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:30:06

Time Per One Hopping - 3DH5

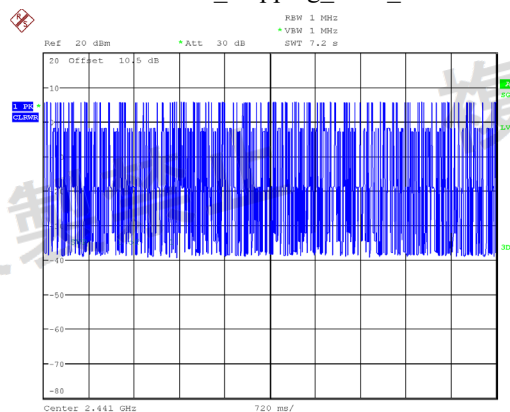
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:35:31

GFSK_Hopping_AFH_DH1



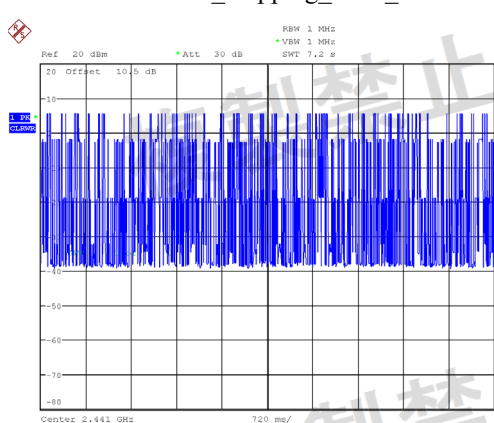
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:45:21

GFSK_Hopping_AFH_DH3

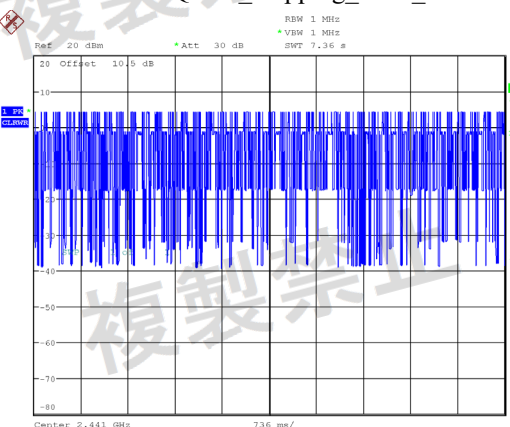


ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:53:28

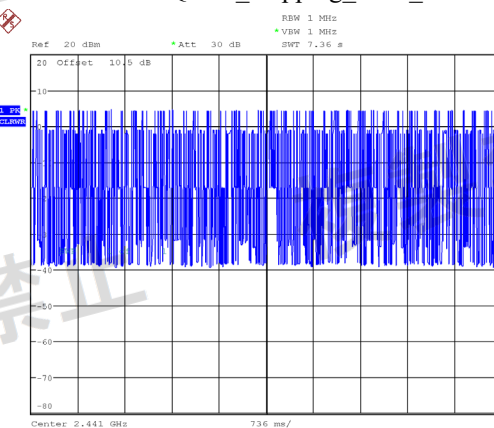
GFSK_Hopping_AFH_DH5



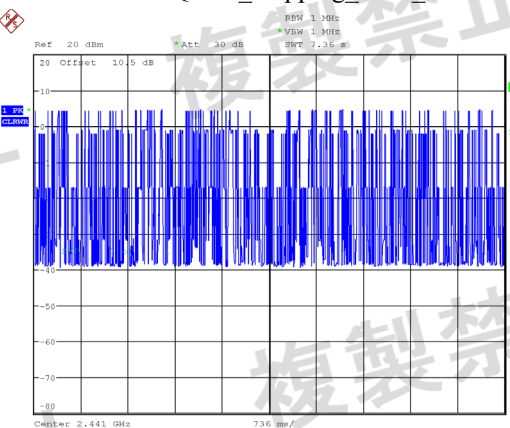
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:52:00

 $\pi/4$ -DQPSK_Hopping_AFH_2DH1

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:56:26

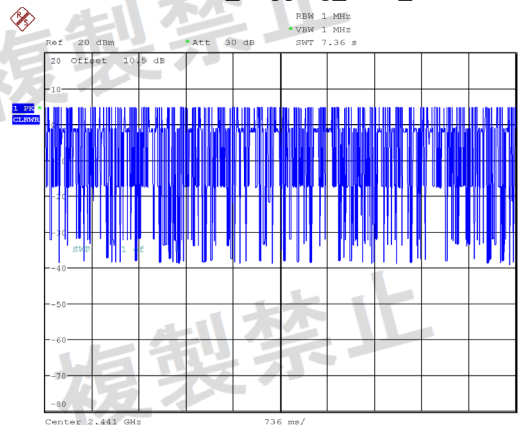
 $\pi/4$ -DQPSK_Hopping_AFH_2DH3

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:57:14

 $\pi/4$ -DQPSK_Hopping_AFH_2DH5

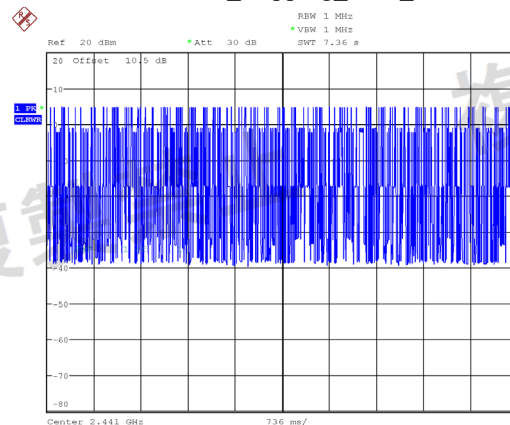
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 11:57:54

8DPSK_Hopping_AFH_3DH1



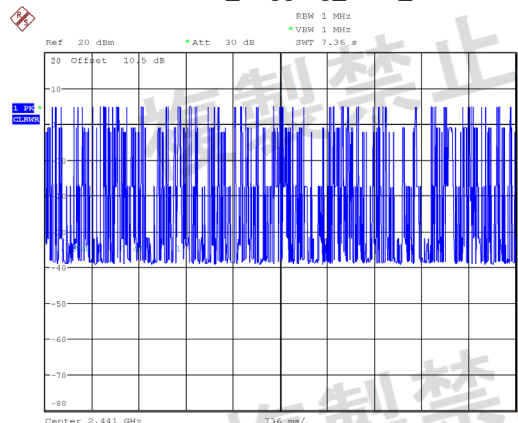
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 12:01:40

8DPSK_Hopping_AFH_3DH3

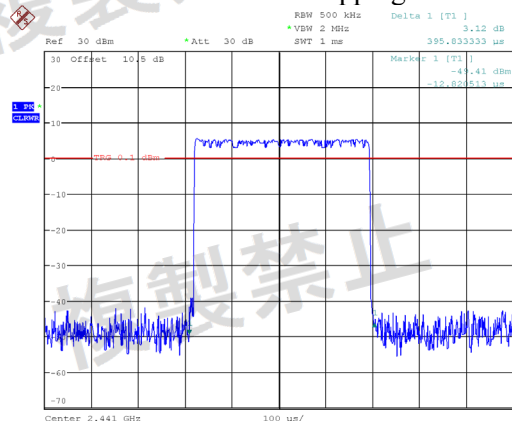


ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 12:02:27

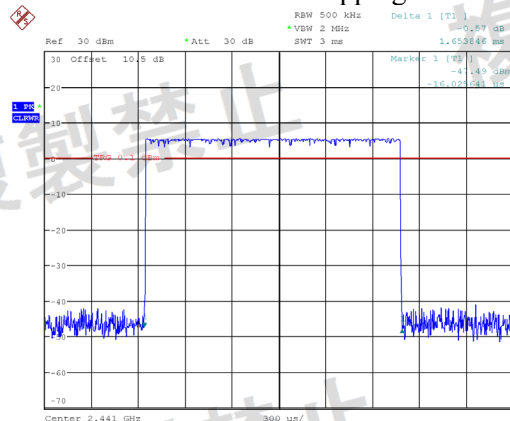
8DPSK_Hopping_AFH_3DH5



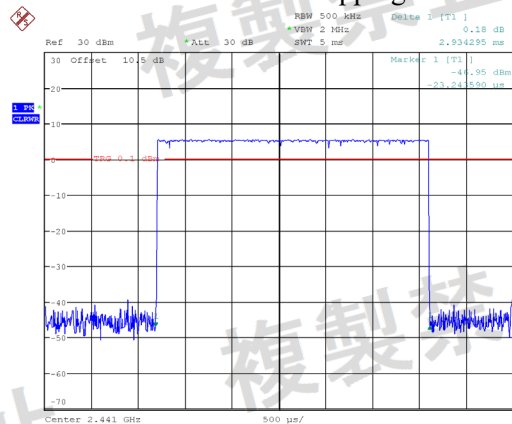
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 12:03:12

AFH_BDR Mode (GFSK):**Time Per One Hopping - DH1**

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:47:13

Time Per One Hopping - DH3

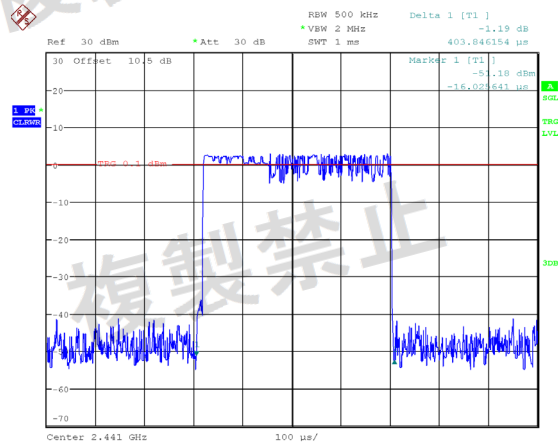
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:50:25

Time Per One Hopping - DH5

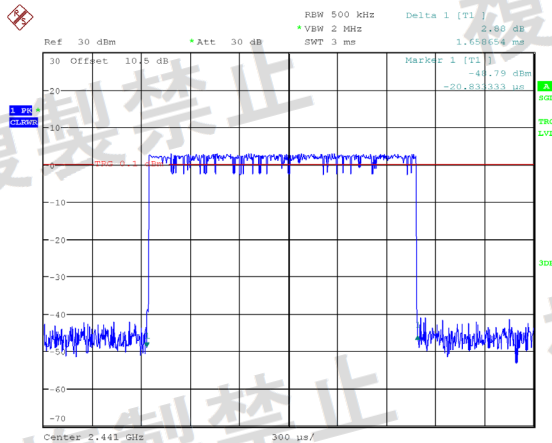
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:37:16

AI

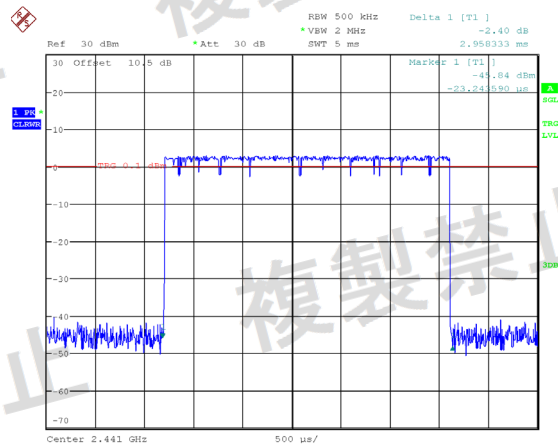
Time Per One Hopping - 2DH1



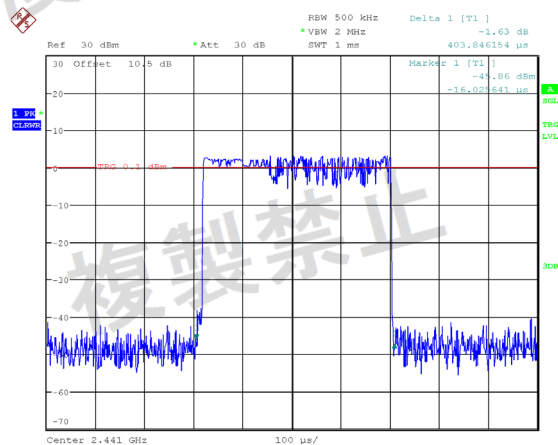
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:48:24



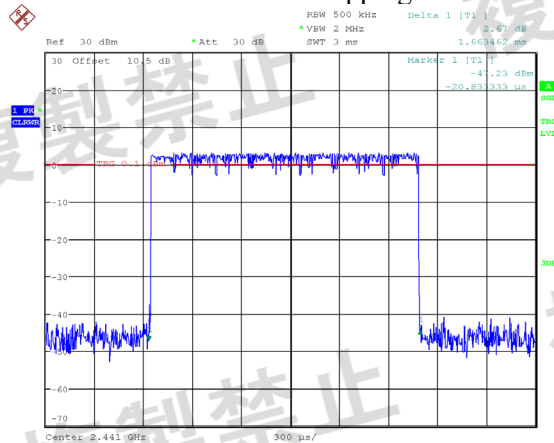
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:51:09



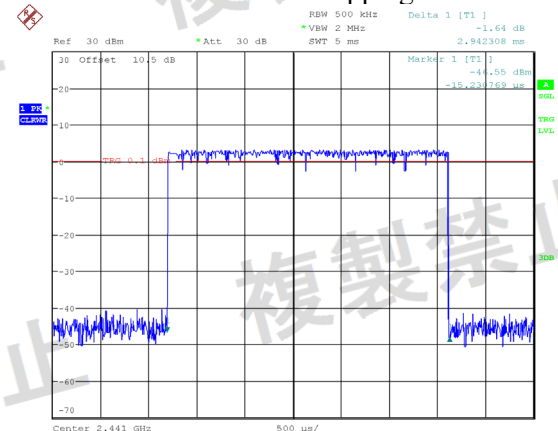
ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:38:25

AFH_EDR Mode (8DPSK):**Time Per One Hopping - 3DH1**

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:49:16

Time Per One Hopping - 3DH3

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:51:55

Time Per One Hopping - 3DH5

ProjectNo.:RKSA260304002 Tester:Neil Zhou
Date: 30.APR.2026 13:39:14

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s). This report must not be duplicated or used in part without prior written consent from the laboratory.
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

*****END OF REPORT*****