

JAPAN MIC
TEST REPORT
For

YuShu Technology Co.,Ltd.

306 Room, Building 1, 88 Dongliu Rd, XiXing Street, Binjiang District, Hangzhou, ZheJiang, China

Tested Model: G1-D Flagship

Report Type: Original Report	Product Name: G1-D Robot
Report Number:	RKSA260428004-24B
Report Date:	2026-06-29
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260428004-24B	R1V1	2026-06-29	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	YuShu Technology Co.,Ltd.
Tested Model:	G1-D Flagship
Series Model:	G1-D Universal
Model difference:	Battery power supply, Wheeled chassis, Overall Dimensions (see the declaration letter for the details)
Product Name:	G1-D Robot
Power Supply:	G1-D Flagship : DC 44.8 V from battery G1-D Universal: DC 46.8 V from battery
RF Function:	Classic BT
Operating Band/Frequency:	2402-2480 MHz
RF output power:	BDR (GFSK): 0.01 mW/MHz EDR ($\pi/4$ -DQPSK): 0.01 mW/MHz EDR (8DPSK): 0.01 mW/MHz AFH BDR (GFSK): 0.03 mW/MHz AFH EDR ($\pi/4$ -DQPSK): 0.03 mW/MHz AFH EDR (8DPSK): 0.03 mW/MHz
Channel Number:	79
Channel Separation:	1 MHz
Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
★Maximum Antenna Gain:	1.5 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:

RKSA260428004-1 (G1-D Flagship), RKSA260428004-2 (G1-D Universal) (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-04-28.)

Based on the differences between models G1-D Flagship and G1-D Universal, we measured all items for model G1-D Flagship, while model G1-D Universal was only tested for Power spot check test.

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.

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)	Channel	Frequency (MHz)
0	2402	27	2429	54	2456
1	2403	28	2430	55	2457
2	2404	29	2431	56	2458
3	2405	30	2432	57	2459
4	2406	31	2433	58	2460
5	2407	32	2434	59	2461
6	2408	33	2435	60	2462
7	2409	34	2436	61	2463
8	2410	35	2437	62	2464
9	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454	/	/
26	2428	53	2455	/	/

EUT was tested with channel 0, 39 and 78.

Test conditions**G1-D Flagship**

Voltage Fluctuation Test	Normal Voltage (V_{DC})	High Voltage (V_{DC})	Low Voltage (V_{DC})
Input DC Power	44.8	49.28	40.32
Input IC Power	3.3	3.30	3.28
Voltage Variation (%)	/	0.0	-0.6

G1-D Universal

Voltage Fluctuation Test	Normal Voltage (V_{DC})	High Voltage (V_{DC})	Low Voltage (V_{DC})
Input DC Power	46.8	51.48	42.12
Input IC Power	3.3	3.31	3.29
Voltage Variation (%)	/	0.3	-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: RTLBTAPP

★Power level setting: Default

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

Equipment Modifications

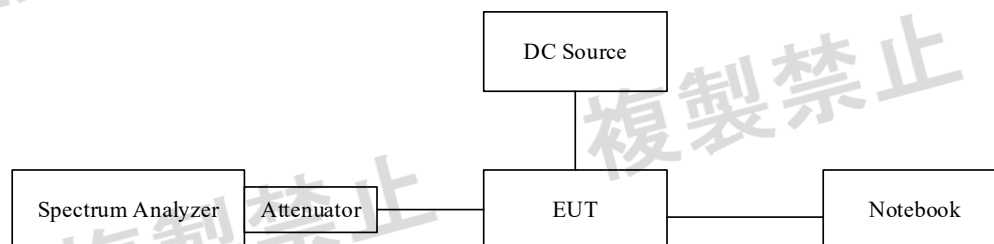
No modification was made to the EUT tested.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
ZHAOXIN	DC Source	RXN-605D	21R605D08132677
Lenovo	Notebook	Y700P	PF2B7PL5

External I/O Cable

Cable Description	Length (m)	From Port	To Port
RF Cable	0.5	Attenuator	EUT
Power Cable 1	1.0	EUT	DC Source
Power Cable 2	1.0	EUT	Notebook

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	FSV40	101116	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	2090-6214-00	96341	2026-03-13	2027-03-12	BACL Cal	c)
ZHAOXIN	DC Power Supply	RXN-605D	21R605D08132677	N/A	N/A	N/A	N/A
Agilent	Power meter	E4419B	MY41291878	2026-03-13	2027-03-12	BACL Cal	c)

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.

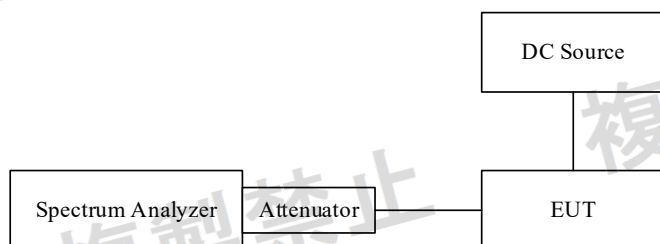
Setting of SA is following as: RB: 1 kHz / VB: 3 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.

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

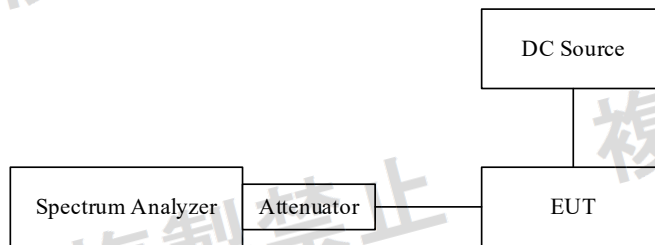
OCCUPIED BANDWIDTH AND SPREADING BANDWIDTH

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

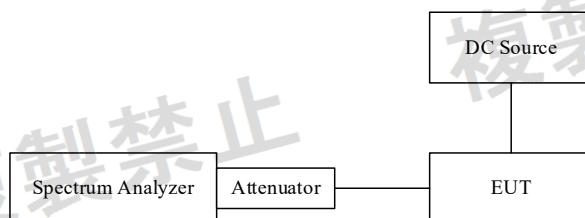
$30 \text{ MHz} \leq f \leq 1\text{GHz}$: $0.25 \mu\text{W}/100 \text{ kHz}$

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

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

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

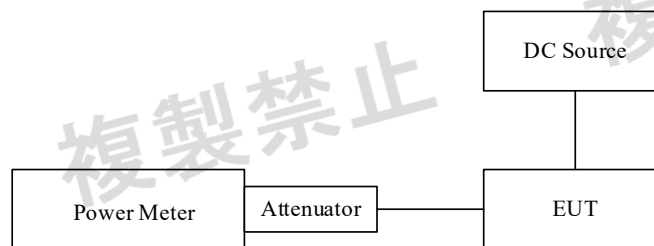
Step1; Measure the total power by Power Meter in a state of hopping mode (with Average Sensor).

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

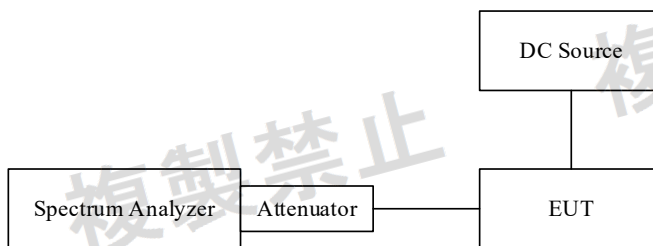
Limit

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

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

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

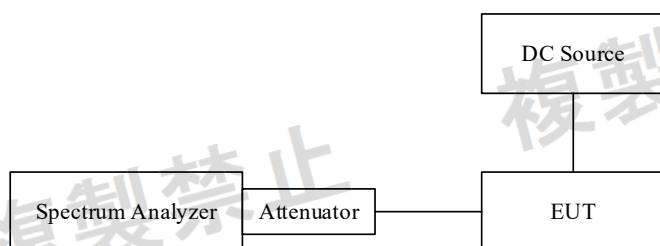
FREQUENCY HOPPING DWELL TIME

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

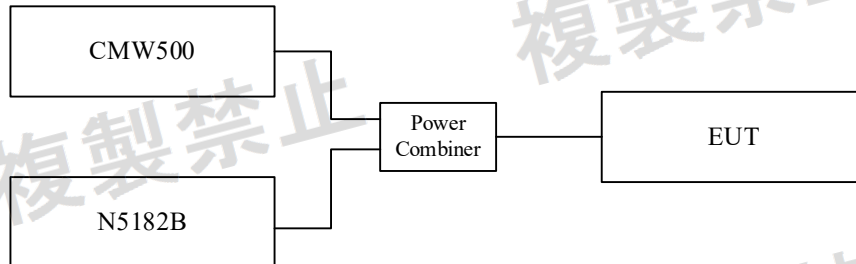
In the case that the EUT has the function of automatically transmitting the identification code:

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:	2026-05-29
Temperature:	24.8℃
Relative Humidity:	62 %
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:	63:4B:26:36:8F:2B	/	/
Bits of ID Codes:	48bits	48 bits or more	Compliant

Test Result: Compliant.

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:	2026-05-29
Temperature:	24.8℃
Relative Humidity:	62 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

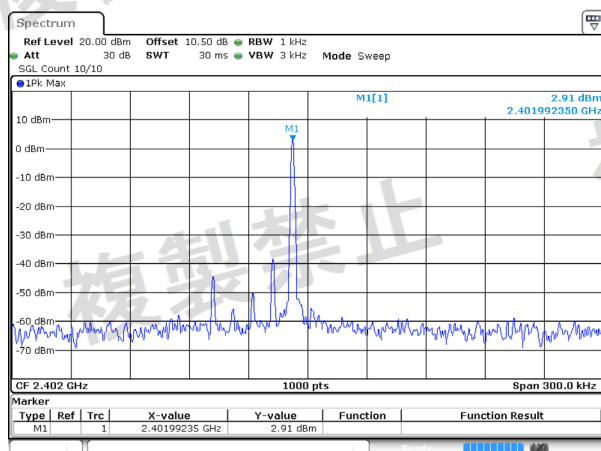
Test Result: Compliant*Test Mode: Transmitting*

Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)
2402	2401.99235	-3.18	±50
2441	2440.99205	-3.26	
2480	2479.99175	-3.33	

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

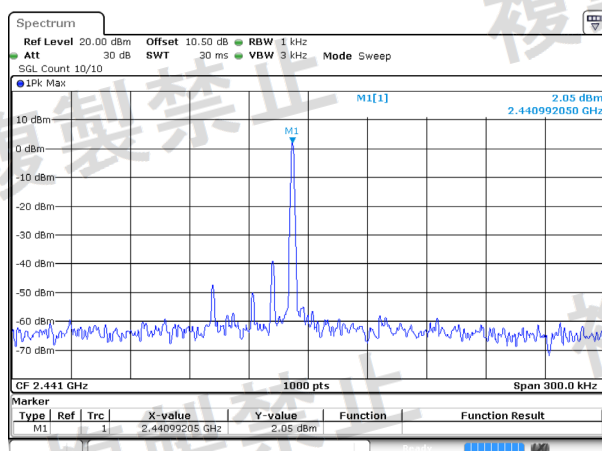
Please refer to the following plots:

Low Channel



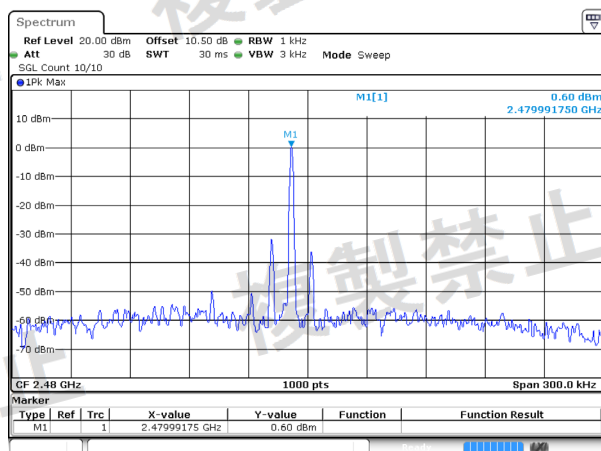
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:33:37

Middle Channel



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:33:55

High Channel



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:34:15

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

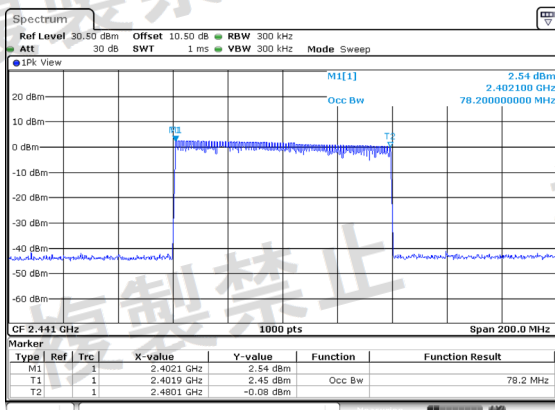
Test Date:	2026-05-29
Temperature:	24.8℃
Relative Humidity:	62 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

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)	70.4	70.4	70.4	18.0	18.0	18.0	/
Mode		2DH1	2DH3	2DH5	AFH_2DH1	AFH_2DH3	AFH_2DH5	Limit
EDR Mode (π/4-DQPSK)	Occupied Bandwidth (MHz)	78.4	78.2	78.2	20.2	20.2	20.2	≤83.5MHz
	Spread Bandwidth (MHz)	70.8	71.0	70.8	18.2	18.2	18.2	/
Mode		3DH1	3DH3	3DH5	AFH_3DH1	AFH_3DH3	AFH_3DH5	Limit
EDR Mode (8DPSK)	Occupied Bandwidth (MHz)	78.2	78.2	78.2	20.2	20.2	20.0	≤83.5MHz
	Spread Bandwidth (MHz)	70.8	70.8	70.8	18.2	18.2	18.2	/

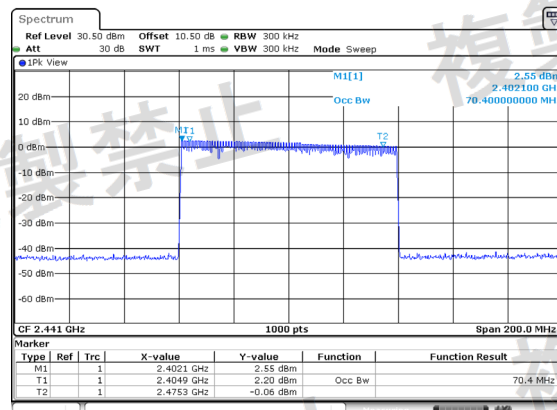
GFSK_Hopping_DH1

Occupied Bandwidth



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 10:45:52

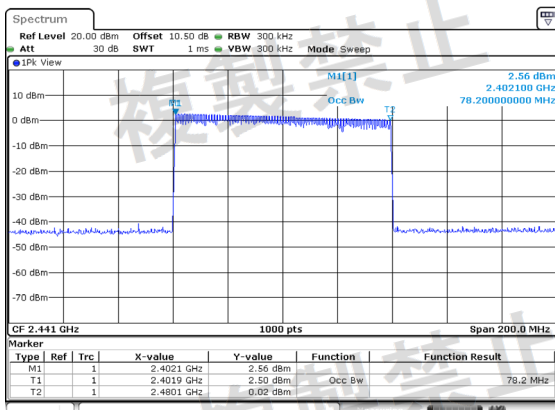
Spreading Bandwidth



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 10:46:44

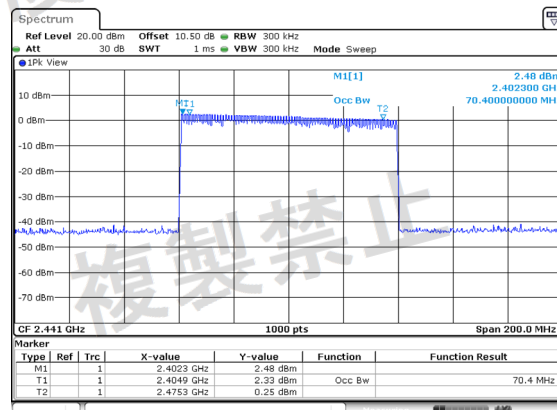
GFSK_Hopping_DH3

Occupied Bandwidth



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 10:48:24

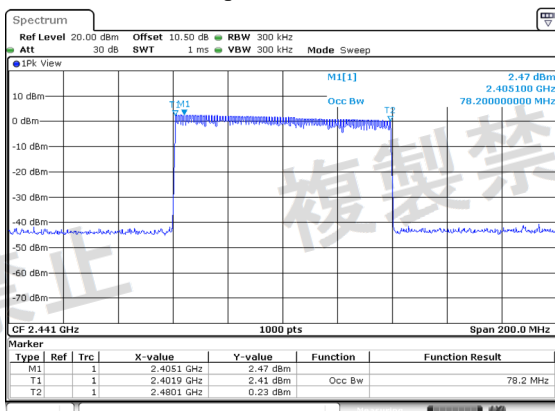
Spreading Bandwidth



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 10:49:05

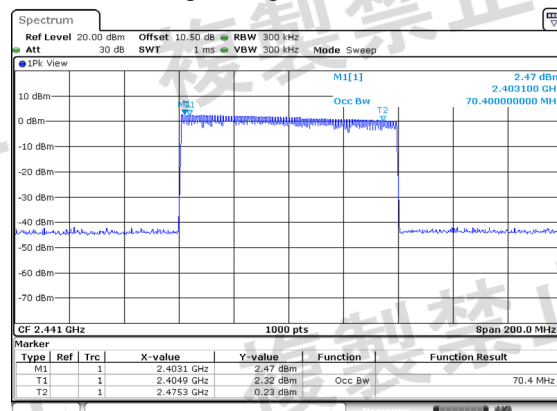
GFSK_Hopping_DH5

Occupied Bandwidth



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 10:50:11

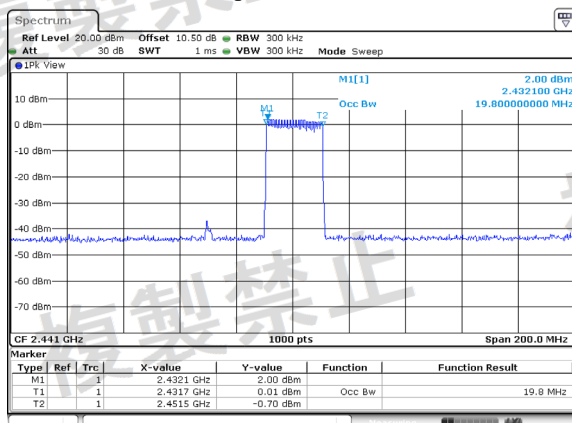
Spreading Bandwidth



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 10:50:44

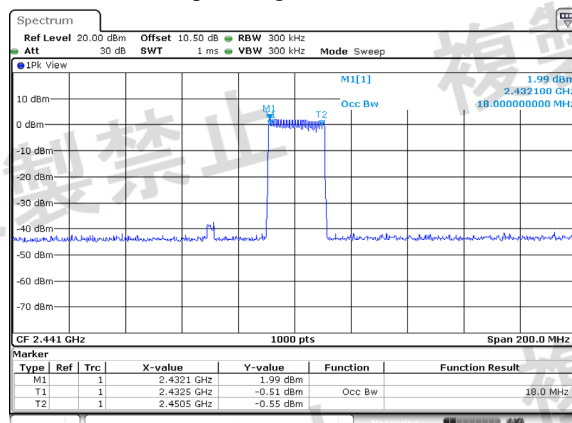
GFSK_Hopping_AFH_DH1

Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:33:31

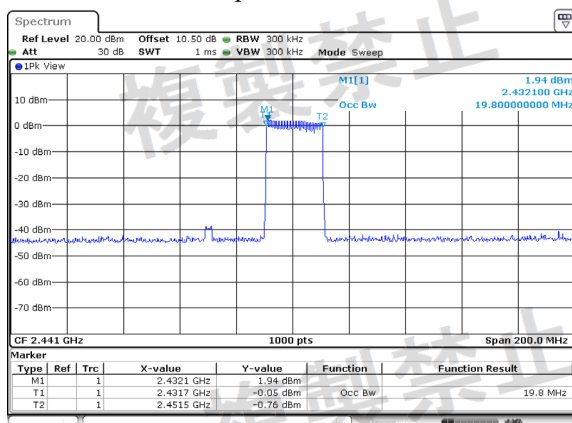
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:34:06

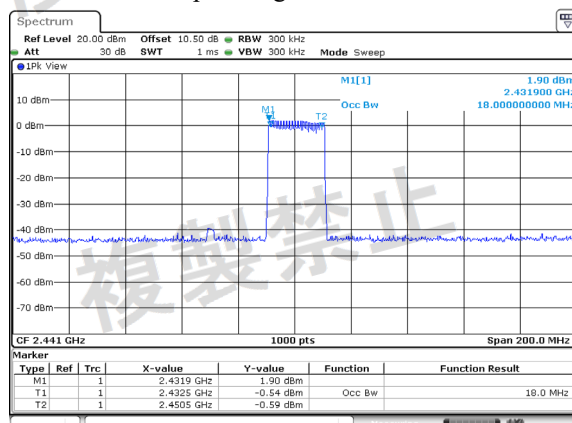
GFSK_Hopping_AFH_DH3

Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:34:58

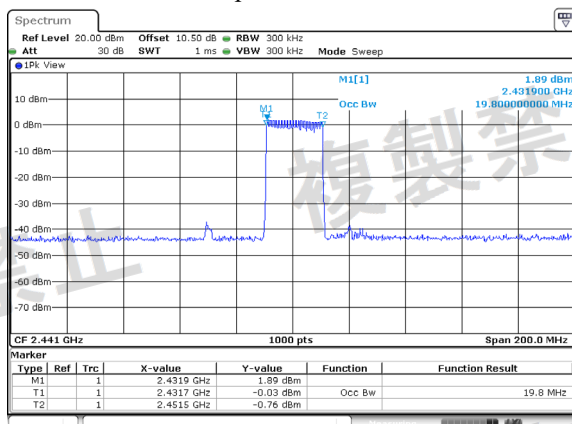
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:35:37

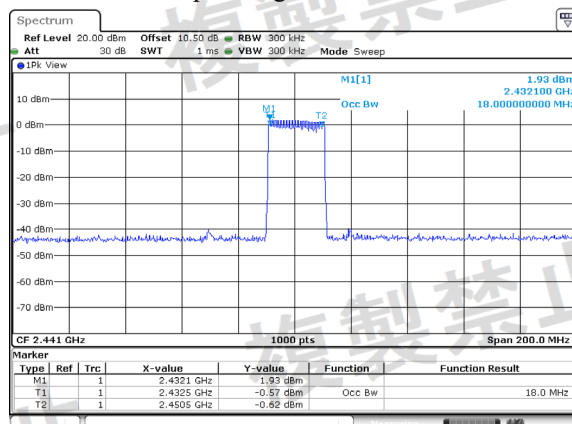
GFSK_Hopping_AFH_DH5

Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:36:45

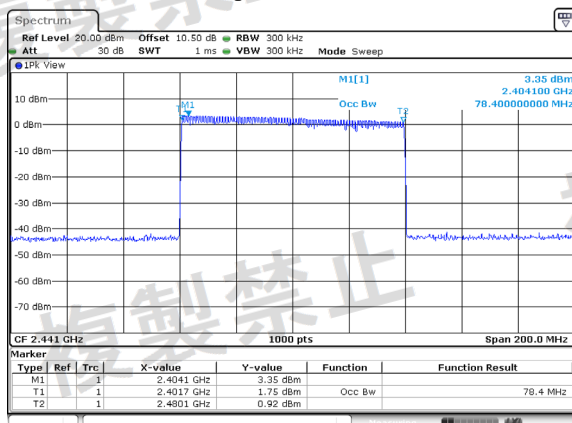
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:37:24

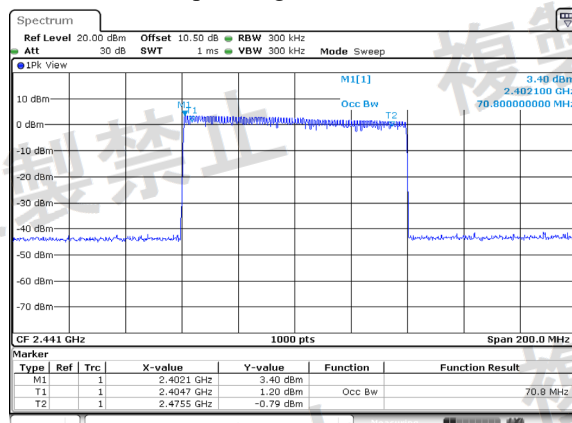
$\pi/4$ -DQPSK_Hopping_2DH1

Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:52:57

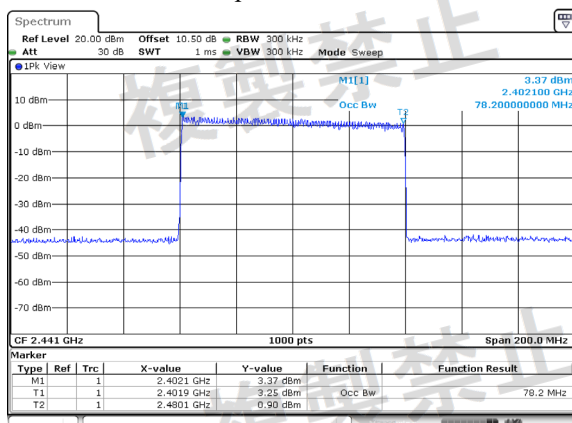
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:53:43

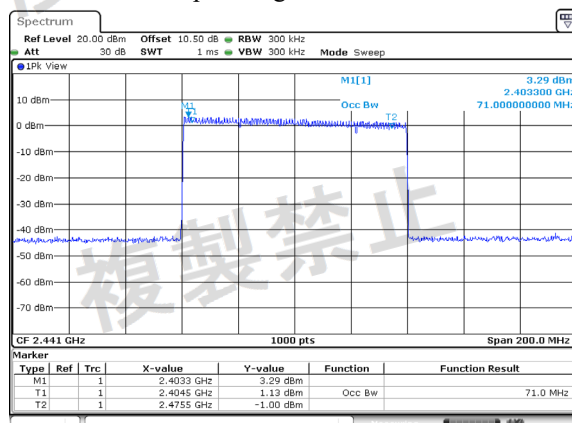
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Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:54:29

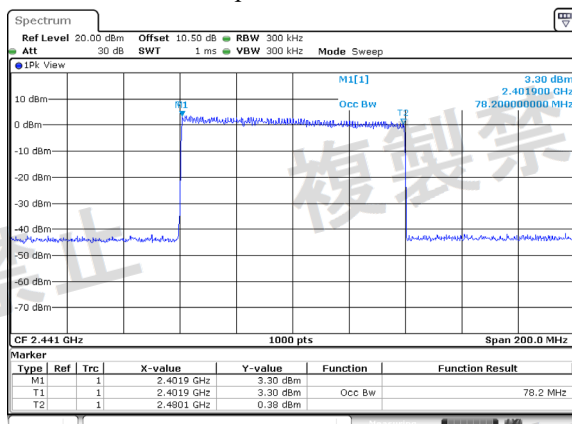
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:55:05

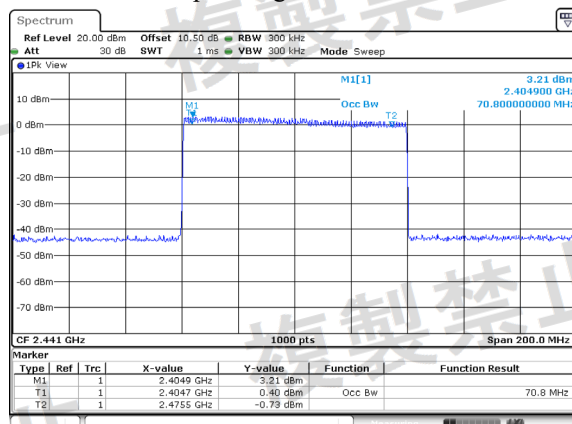
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Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:55:53

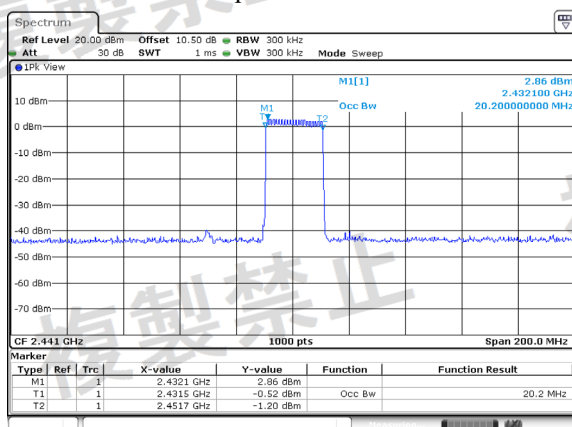
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:56:34

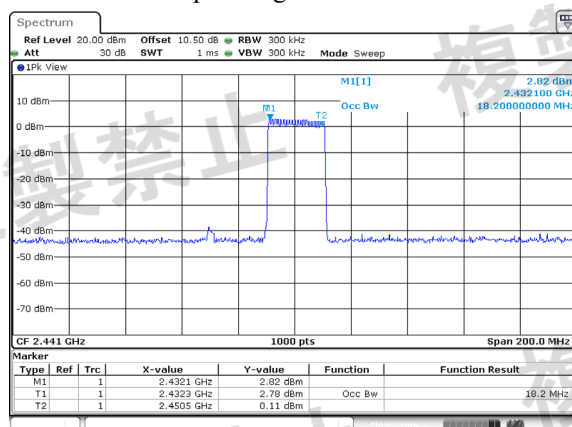
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Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:38:24

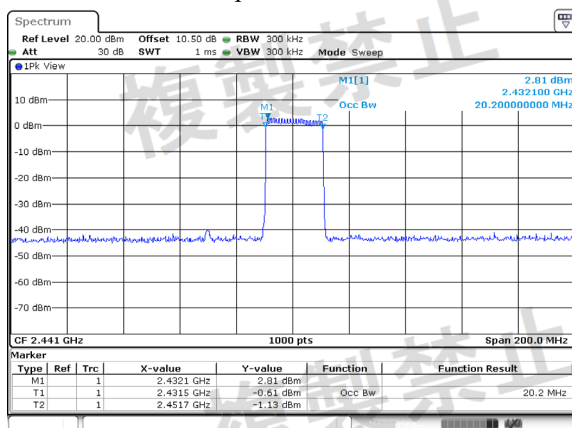
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:39:01

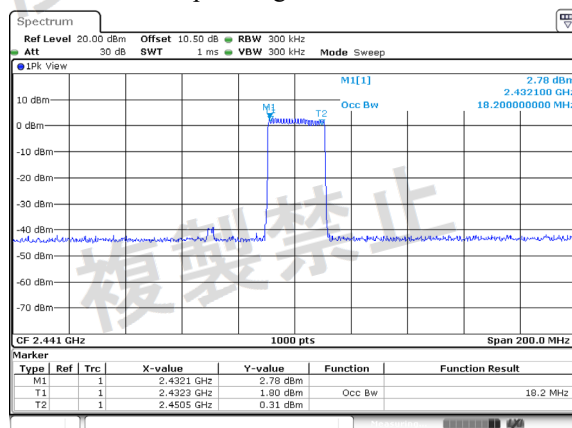
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Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:40:04

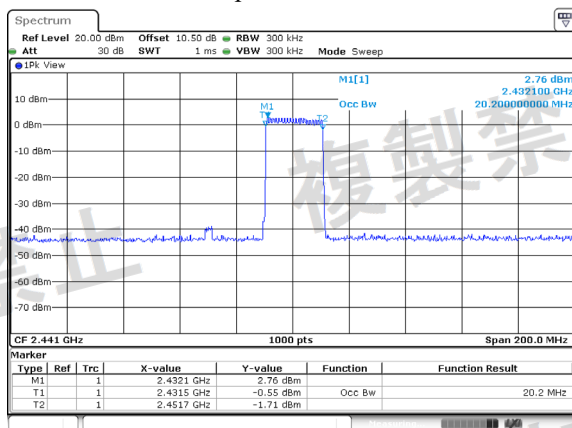
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:40:47

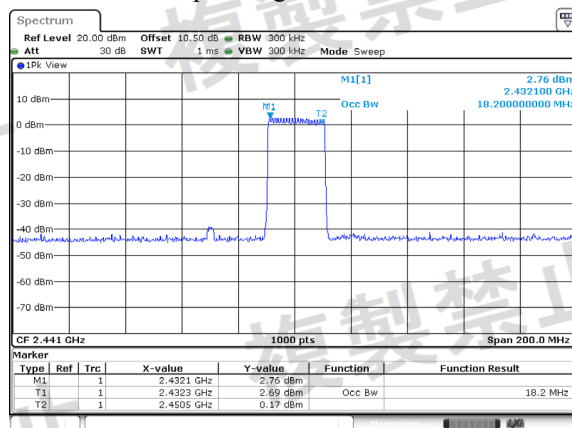
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Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:41:50

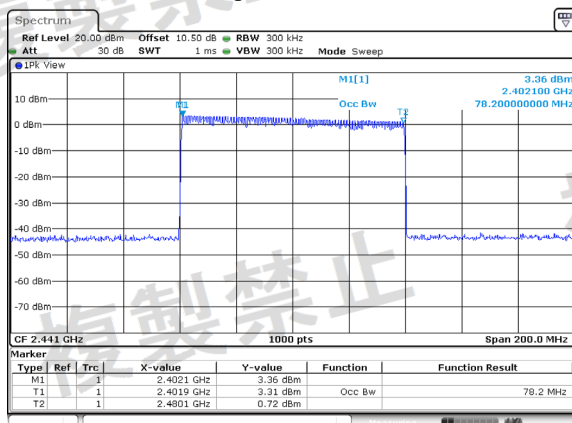
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:42:28

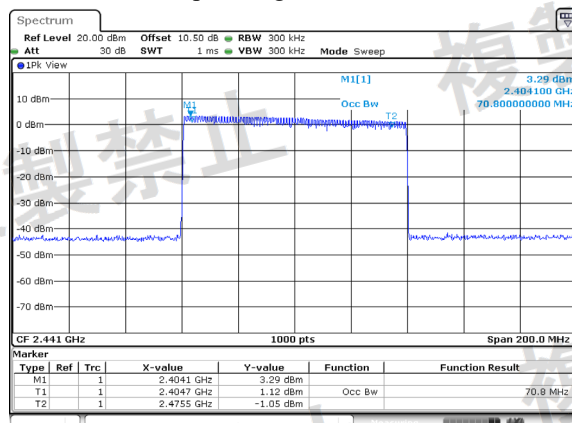
8DPSK_Hopping_3DH1

Occupied Bandwidth



ProjectNo. RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:58:09

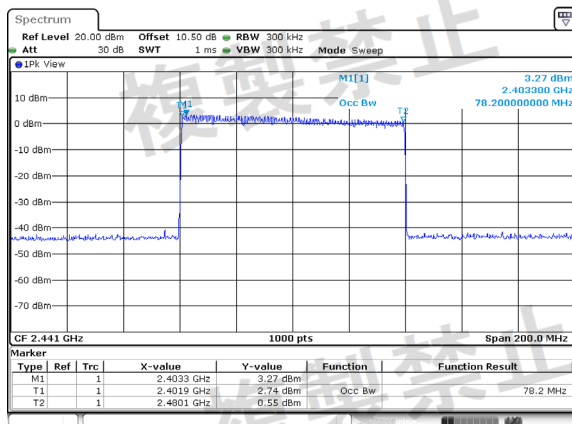
Spreading Bandwidth



ProjectNo. RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 10:59:04

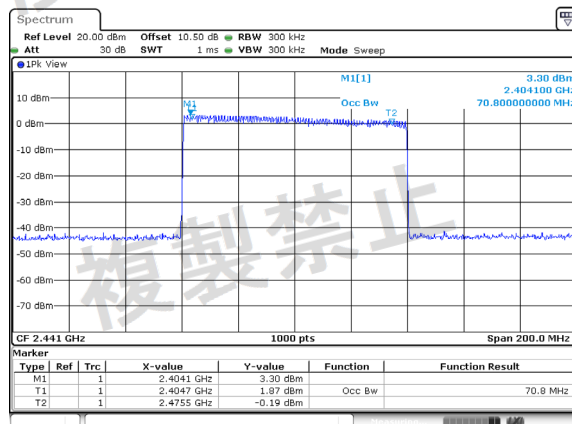
8DPSK_Hopping_3DH3

Occupied Bandwidth



ProjectNo. RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:00:15

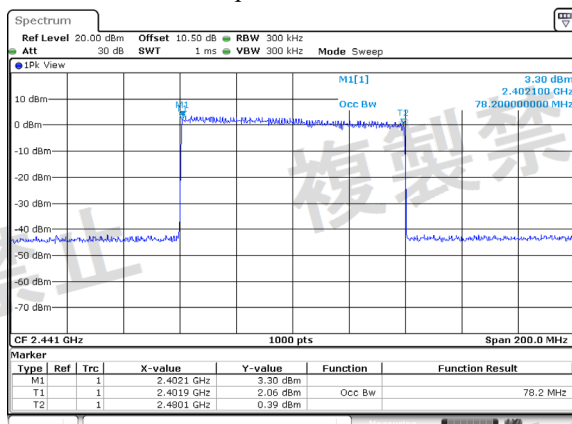
Spreading Bandwidth



ProjectNo. RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:00:56

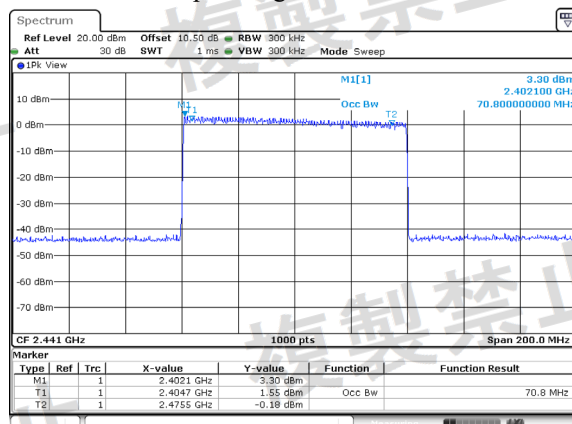
8DPSK_Hopping_3DH5

Occupied Bandwidth



ProjectNo. RKSA260428004 Tester:Neil Zhou
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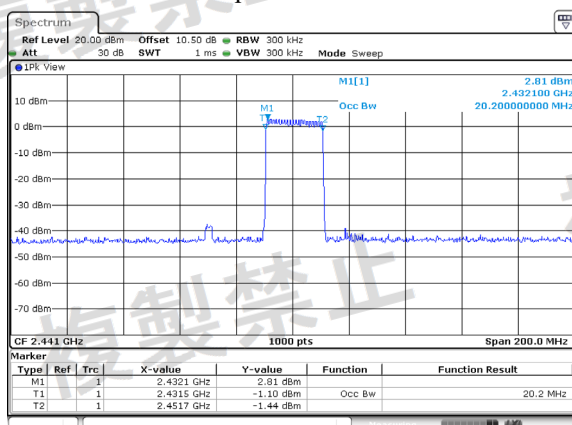
Spreading Bandwidth



ProjectNo. RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:02:24

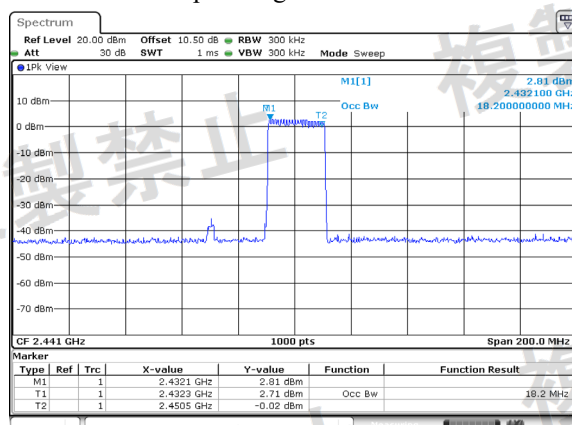
8DPSK_Hopping_AFH_3DH1

Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:43:31

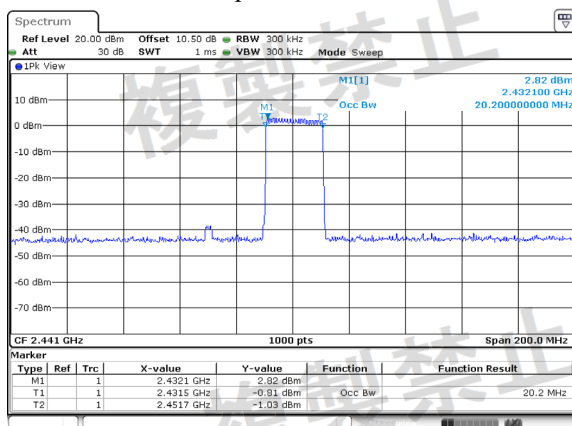
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:44:07

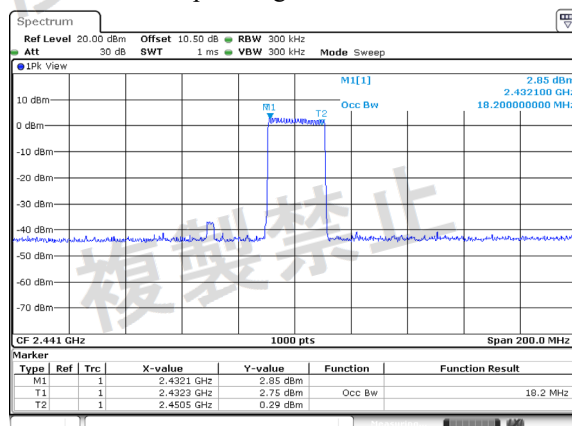
8DPSK_Hopping_AFH_3DH3

Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:49:19

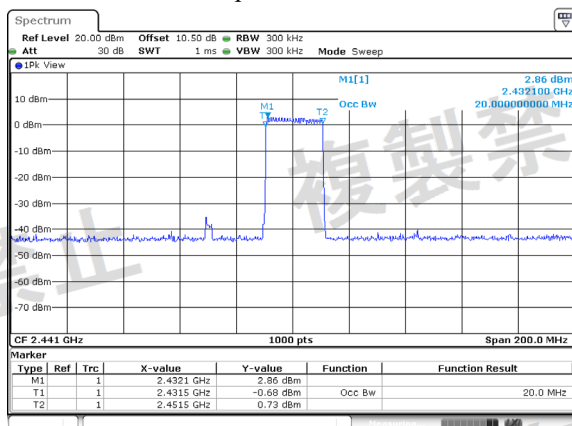
Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:50:04

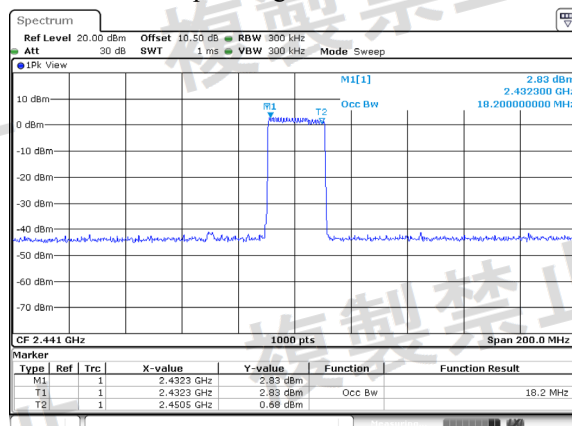
8DPSK_Hopping_AFH_3DH5

Occupied Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:51:03

Spreading Bandwidth



ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:51:37

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Environmental Conditions & Test Information

Test Date:	2026-05-29
Temperature:	24.8°C
Relative Humidity:	62 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant

Test Mode: Transmitting

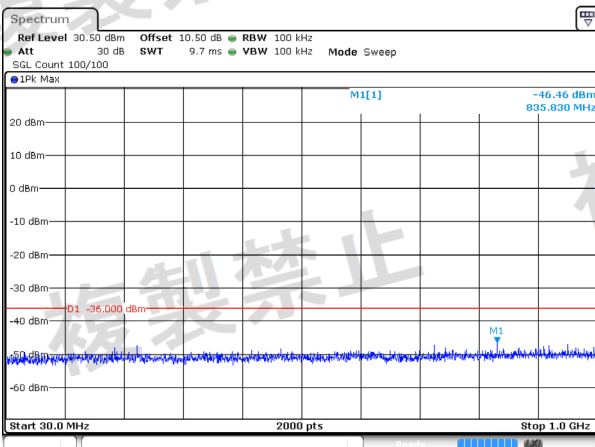
Test Condition: NV					
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
BDR(GFSK)	Low Channel	30MHz~1GHz(100kHz)	835.83	-46.46	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	1172.33	-38.60	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2399.9903	-33.56	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2485.4728	-37.69	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	5905.2	-33.05	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	889.66	-47.63	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2110.64	-38.01	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2390.2988	-37.75	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2486.4153	-36.55	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	6780.5	-33.24	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	898.39	-47.45	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2379.02	-38.18	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2390.9553	-37.81	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2495.1578	-37.49	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	6775.5	-33.18	-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)	885.78	-46.60	-36dBm/100kHz (0.25 μ W/100kHz)
		1GHz~2387MHz(1MHz)	2204.26	-38.52	-26dBm/MHz (2.5 μ W/MHz)
		2387MHz~2400MHz(1MHz)	2399.9838	-26.52	-16dBm/MHz (25 μ W/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2490.6468	-37.58	-16dBm/MHz (25 μ W/MHz)
		2496.5MHz~12500MHz(1MHz)	5810.2	-32.54	-26dBm/MHz (2.5 μ W/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	762.59	-47.43	-36dBm/100kHz (0.25 μ W/100kHz)
		1GHz~2387MHz(1MHz)	2061.4	-38.44	-26dBm/MHz (2.5 μ W/MHz)
		2387MHz~2400MHz(1MHz)	2399.3208	-38.10	-16dBm/MHz (25 μ W/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2489.3858	-36.88	-16dBm/MHz (25 μ W/MHz)
		2496.5MHz~12500MHz(1MHz)	5850.2	-33.62	-26dBm/MHz (2.5 μ W/MHz)
	High Channel	30MHz~1GHz(100kHz)	972.11	-48.01	-36dBm/100kHz (0.25 μ W/100kHz)
		1GHz~2387MHz(1MHz)	2186.93	-36.30	-26dBm/MHz (2.5 μ W/MHz)
		2387MHz~2400MHz(1MHz)	2387.8548	-36.79	-16dBm/MHz (25 μ W/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2494.2543	-37.60	-16dBm/MHz (25 μ W/MHz)
		2496.5MHz~12500MHz(1MHz)	5925.2	-32.70	-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)	628.73	-47.41	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2164.73	-38.13	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2399.9968	-25.75	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2491.5503	-37.38	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	6995.6	-33.64	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	883.84	-46.10	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2295.8	-38.53	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2392.9703	-37.62	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2492.5383	-36.57	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	5885.2	-33.35	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	947.38	-47.18	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2237.55	-38.11	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2399.3338	-37.67	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2485.3428	-37.28	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	5850.2	-33.28	-26dBm/MHz (2.5μW/MHz)

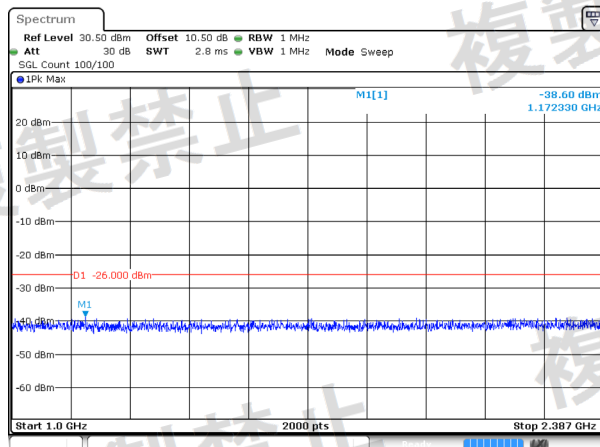
Please refer to the following plots:

GFSK_Low_DH1(30MHz~1GHz)



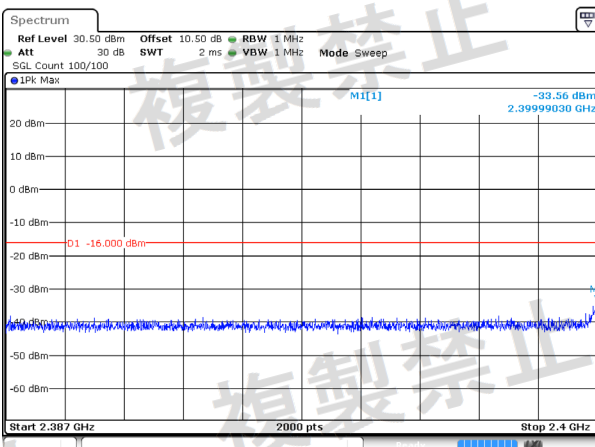
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 11:04:04

GFSK_Low_DH1(1GHz~2.387GHz)



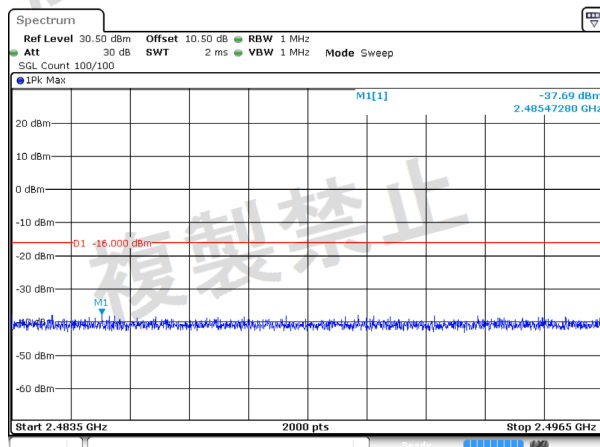
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 11:04:12

GFSK_Low_DH1(2.387GHz~2.4GHz)



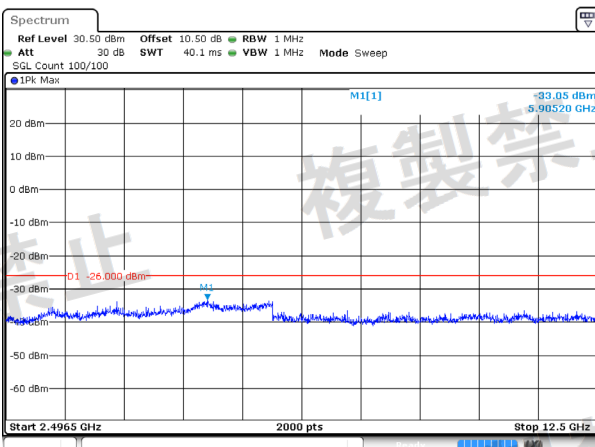
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 11:04:18

GFSK_Low_DH1(2.4835GHz~2.4965GHz)



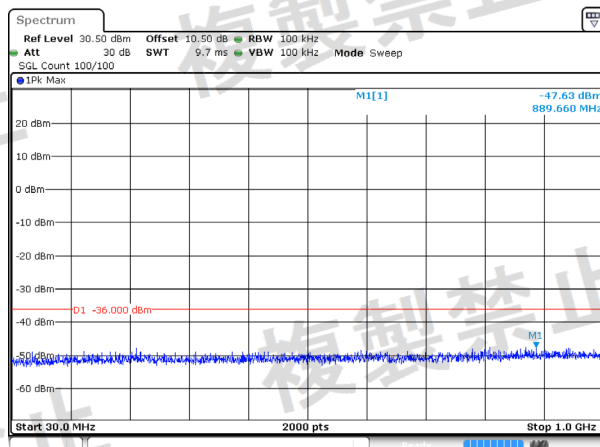
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 11:04:23

GFSK_Low_DH1(2.4965GHz~12.5GHz)



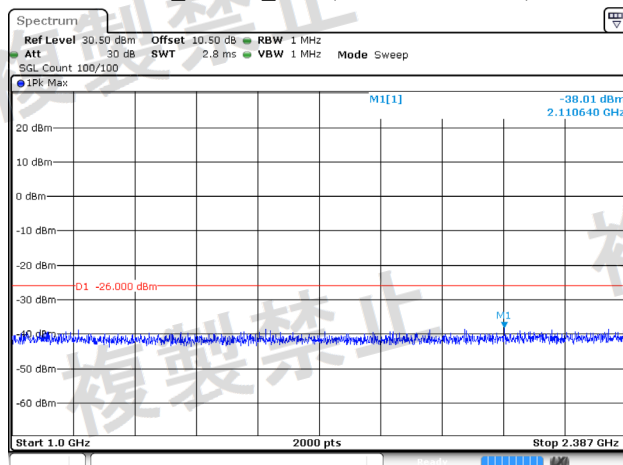
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 11:04:44

GFSK_Middle_DH1(30MHz~1GHz)



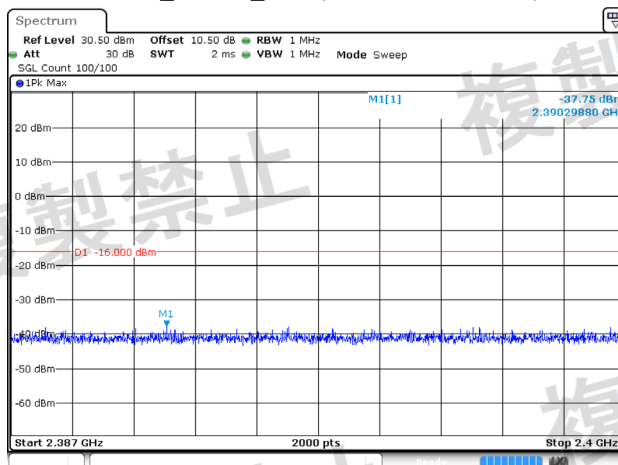
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 11:05:13

GFSK_Middle_DH1(1GHz~2.387GHz)



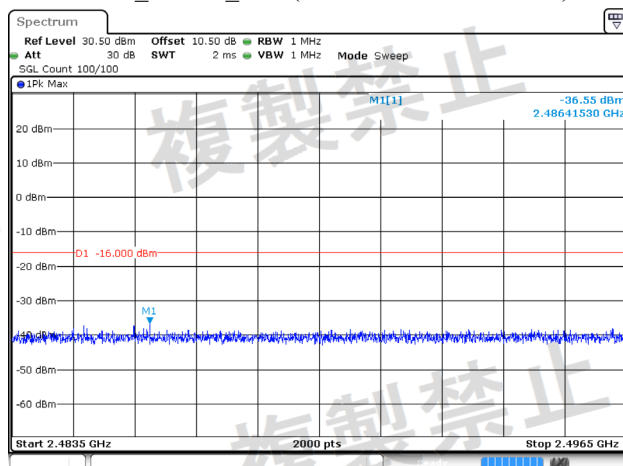
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:05:20

GFSK_Middle_DH1(2.387GHz~2.4GHz)



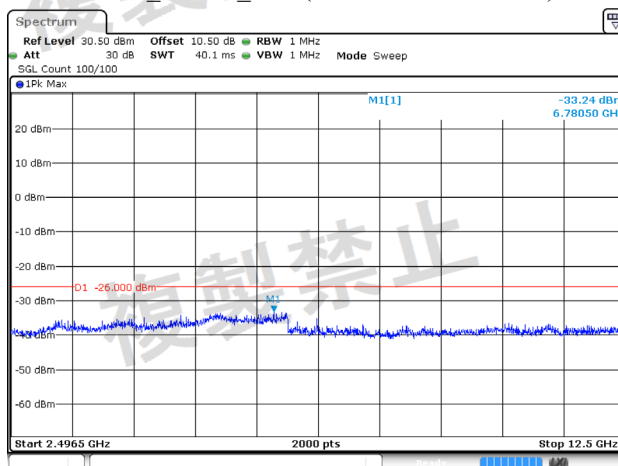
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:05:26

GFSK_Middle_DH1(2.4835GHz~2.4965GHz)



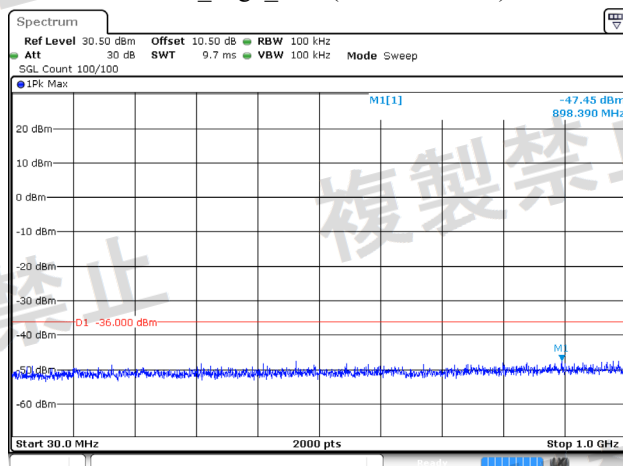
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:05:31

GFSK_Middle_DH1(2.4965GHz~12.5GHz)



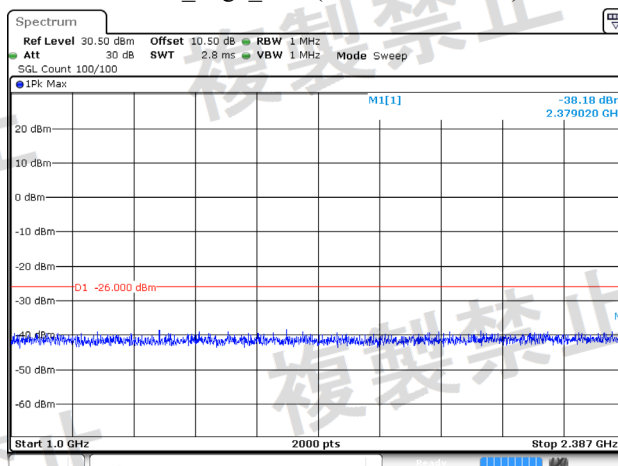
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:05:53

GFSK_High_DH1(30MHz~1GHz)



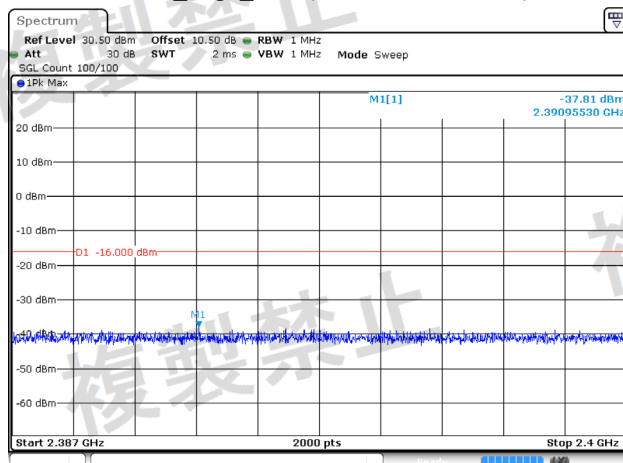
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:06:26

GFSK_High_DH1(1GHz~2.387GHz)



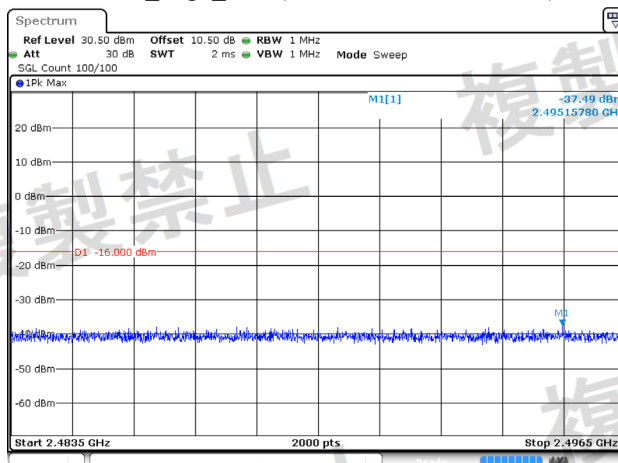
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:06:34

GFSK_High_DH1(2.387GHz~2.4GHz)



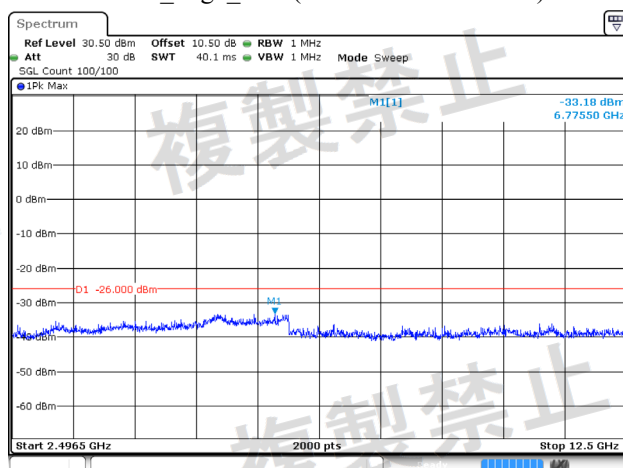
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:06:40

GFSK_High_DH1(2.4835GHz~2.4965GHz)

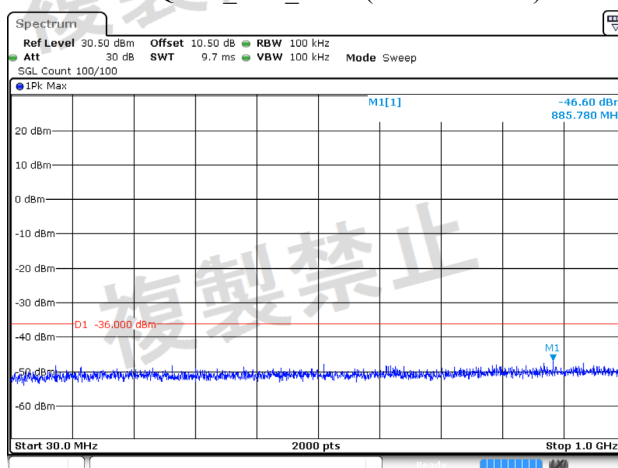


ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:06:46

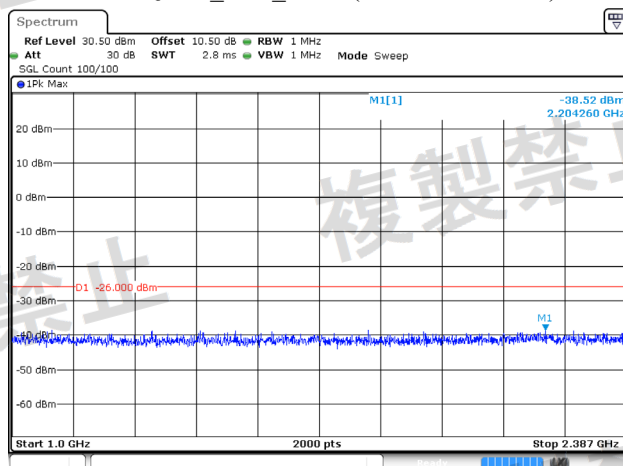
GFSK_High_DH1(2.4965GHz~12.5GHz)



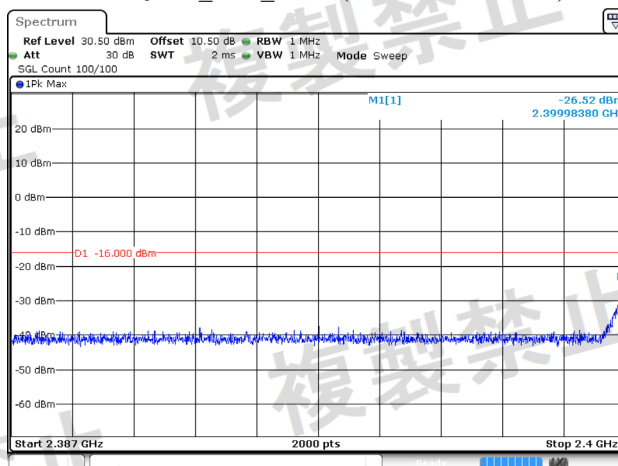
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:07:07

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

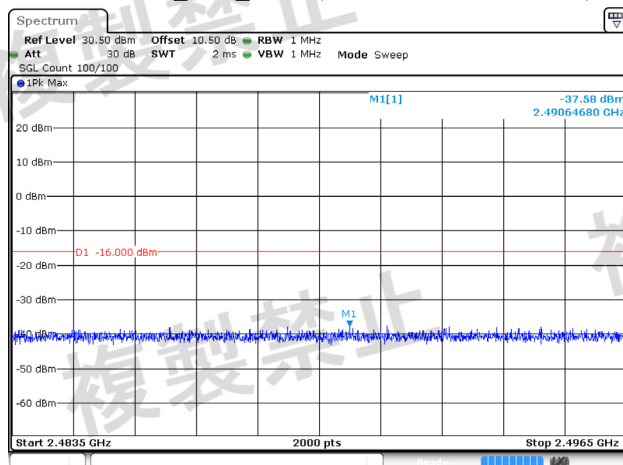
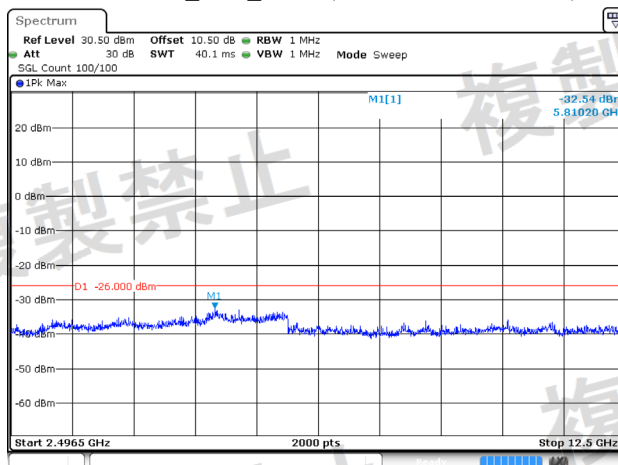
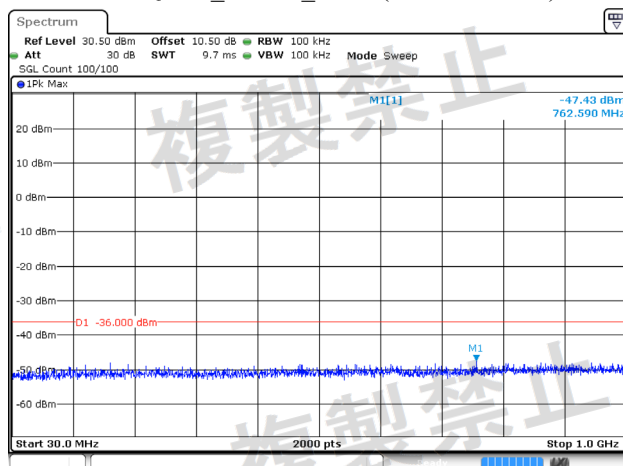
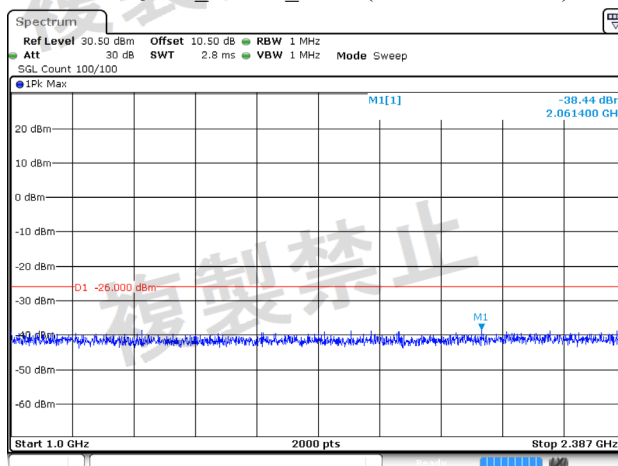
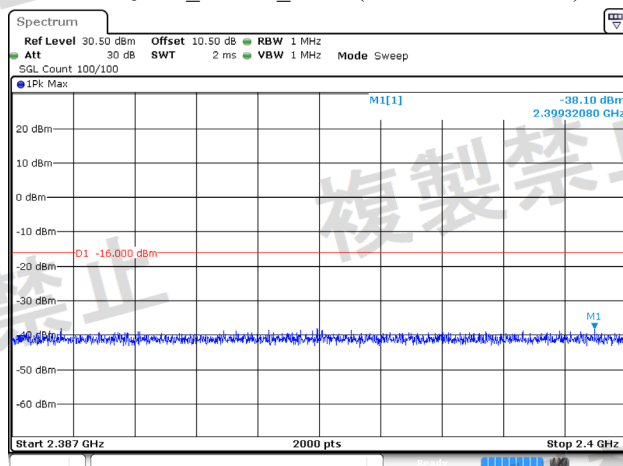
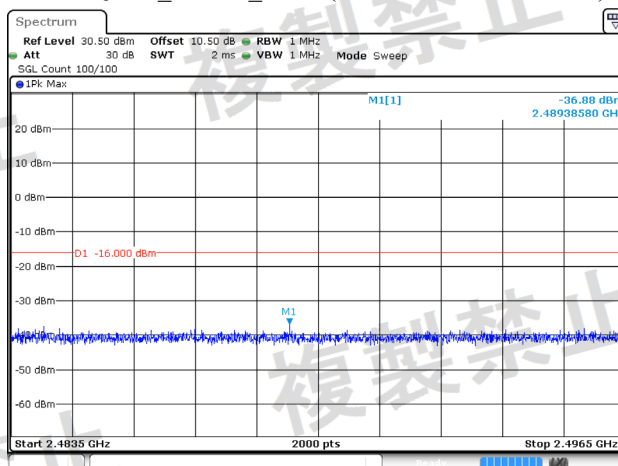
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:08:15

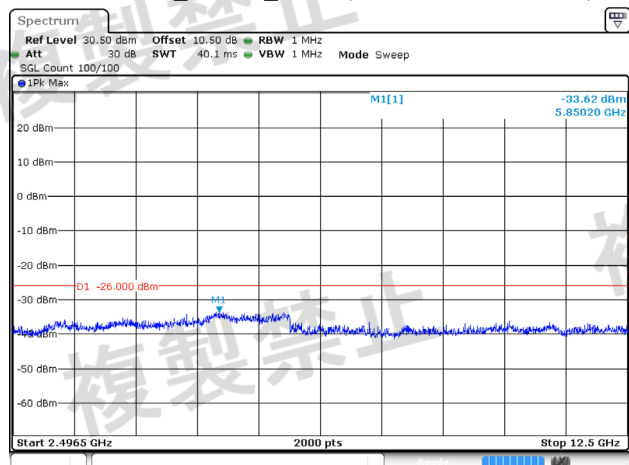
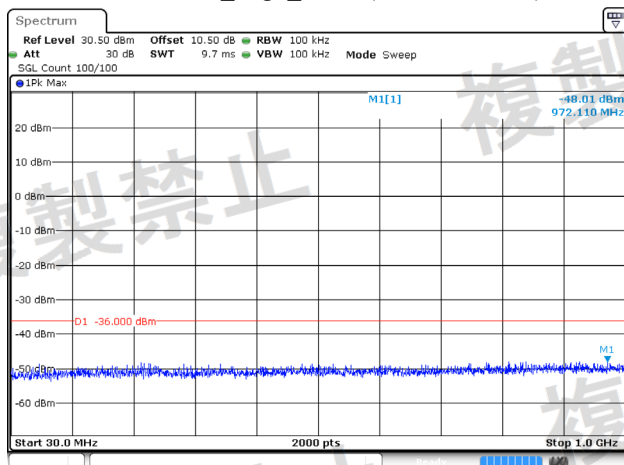
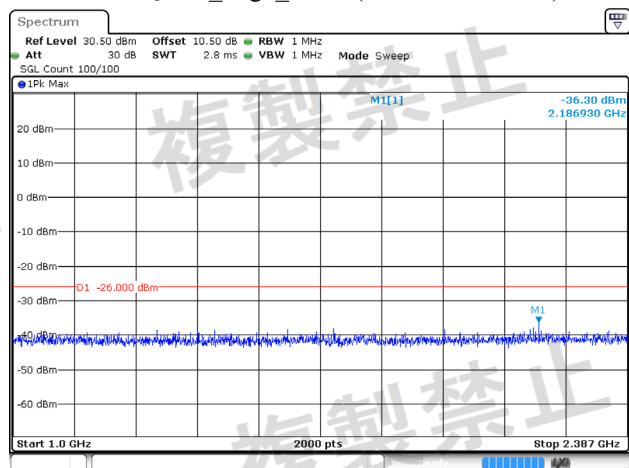
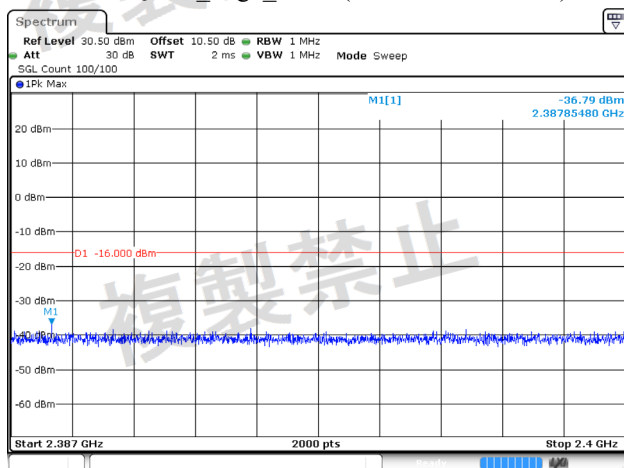
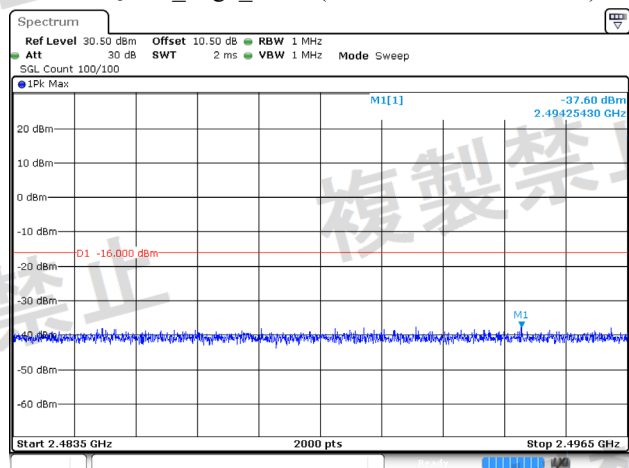
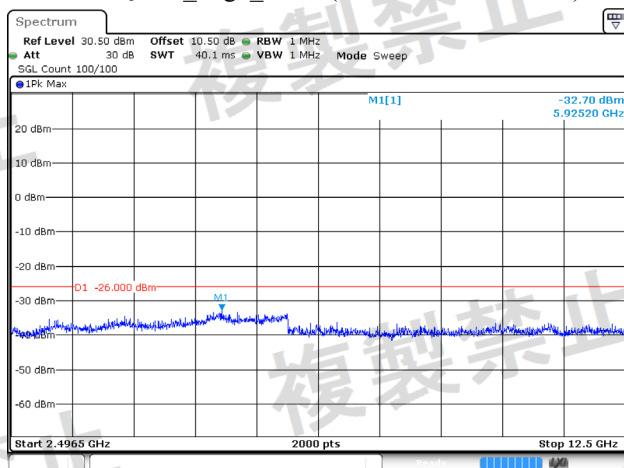
 $\pi/4$ -DQPSK_Low_2DH1(1GHz~2.387GHz)

ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:08:23

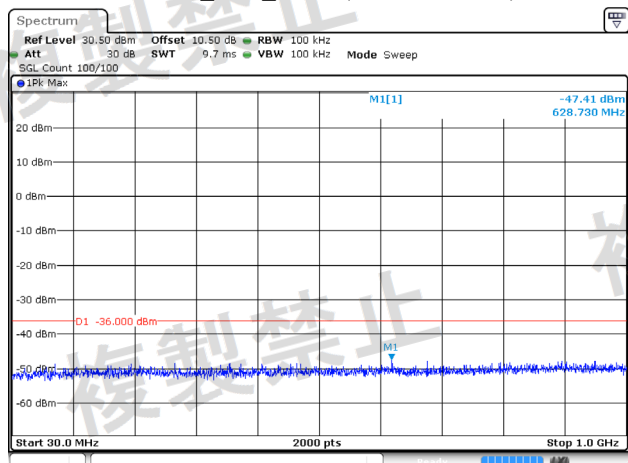
 $\pi/4$ -DQPSK_Low_2DH1(2.387GHz~2.4GHz)

ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:08:29

$\pi/4$ -DQPSK_Low_2DH1(2.4835GHz~2.4965GHz) $\pi/4$ -DQPSK_Low_2DH1(2.4965GHz~12.5GHz) $\pi/4$ -DQPSK_Middle_2DH1(30MHz~1GHz) $\pi/4$ -DQPSK_Middle_2DH1(1GHz~2.387GHz) $\pi/4$ -DQPSK_Middle_2DH1(2.387GHz~2.4GHz) $\pi/4$ -DQPSK_Middle_2DH1(2.4835GHz~2.4965GHz)

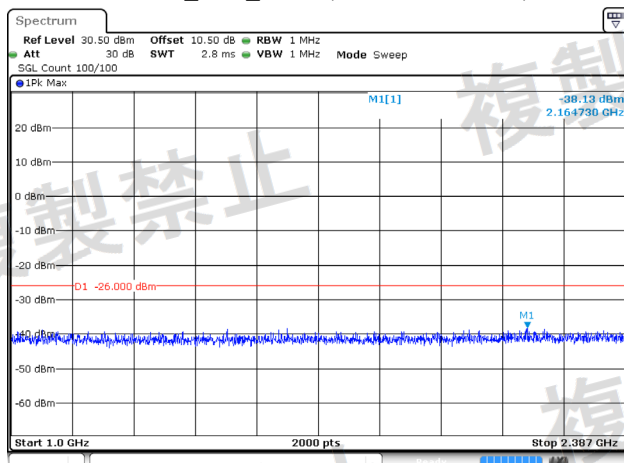
$\pi/4$ -DQPSK_Middle_2DH1(2.4965GHz~12.5GHz) $\pi/4$ -DQPSK_High_2DH1(30MHz~1GHz) $\pi/4$ -DQPSK_High_2DH1(1GHz~2.387GHz) $\pi/4$ -DQPSK_High_2DH1(2.387GHz~2.4GHz) $\pi/4$ -DQPSK_High_2DH1(2.4835GHz~2.4965GHz) $\pi/4$ -DQPSK_High_2DH1(2.4965GHz~12.5GHz)

8DPSK_Low_3DH1(30MHz~1GHz)



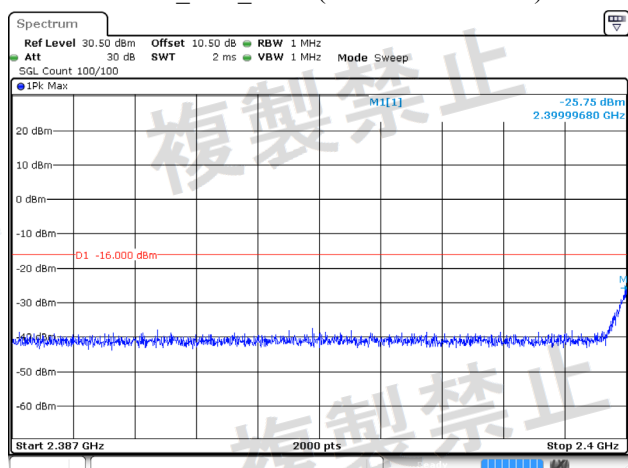
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:11:51

8DPSK_Low_3DH1(1GHz~2.387GHz)



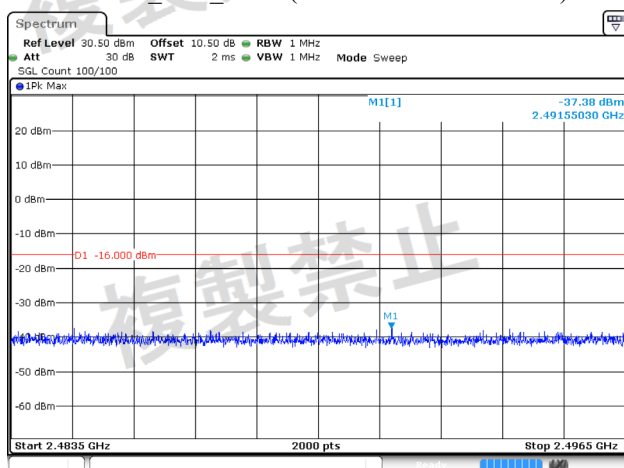
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:11:59

8DPSK_Low_3DH1(2.387GHz~2.4GHz)



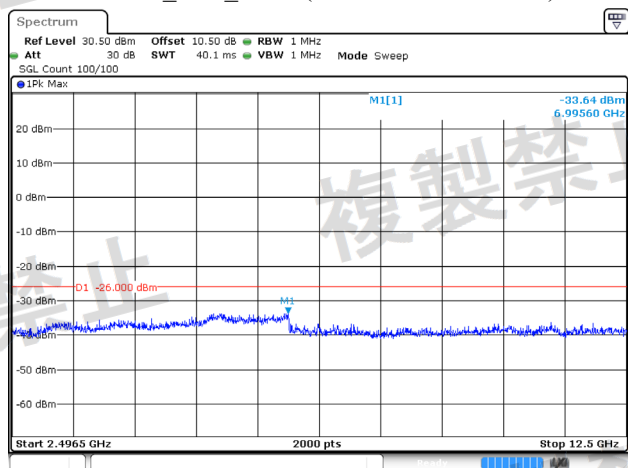
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:12:05

8DPSK_Low_3DH1(2.4835GHz~2.4965GHz)



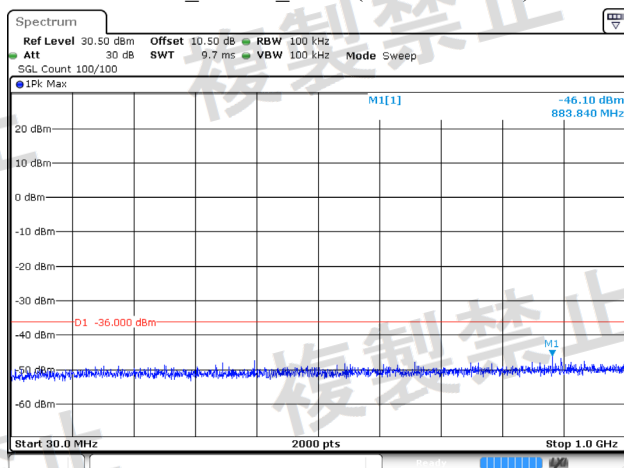
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:12:10

8DPSK_Low_3DH1(2.4965GHz~12.5GHz)



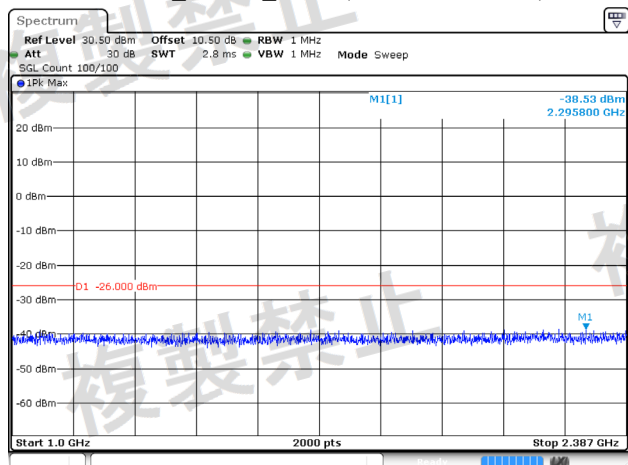
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:12:32

8DPSK_Middle_3DH1(30MHz~1GHz)



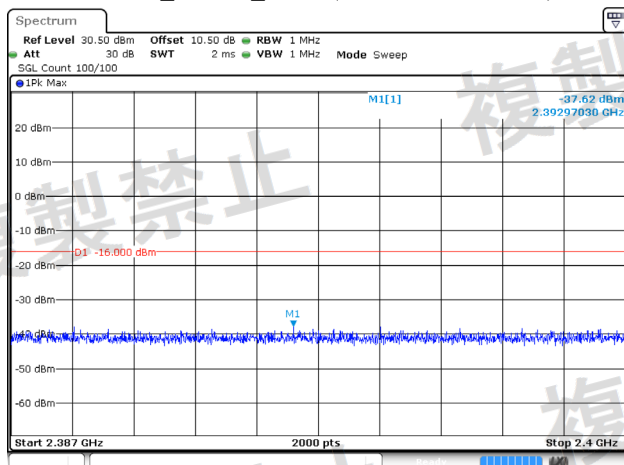
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:13:02

8DPSK_Middle_3DH1(1GHz~2.387GHz)



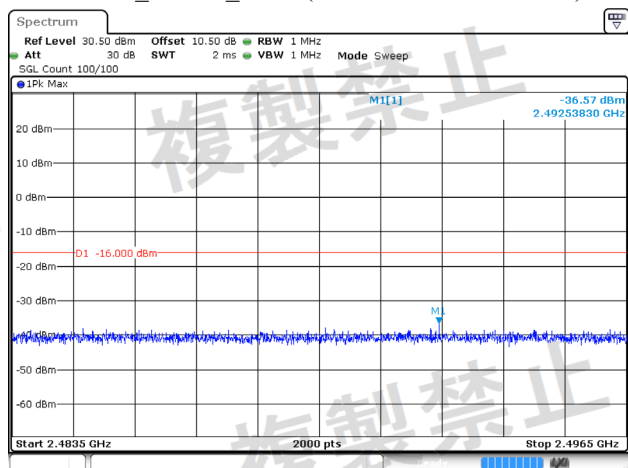
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:13:10

8DPSK_Middle_3DH1(2.387GHz~2.4GHz)



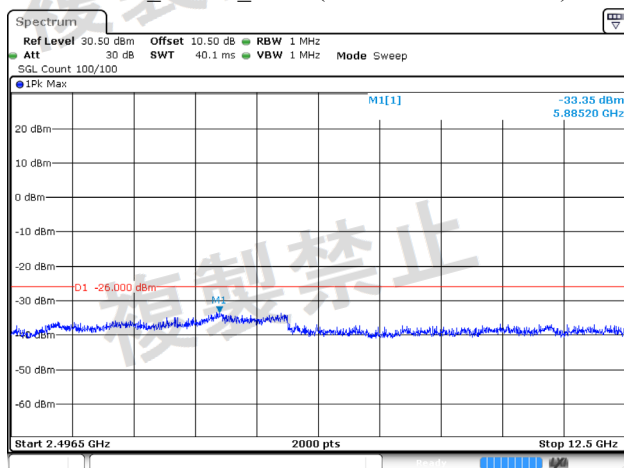
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:13:16

8DPSK_Middle_3DH1(2.4835GHz~2.4965GHz)



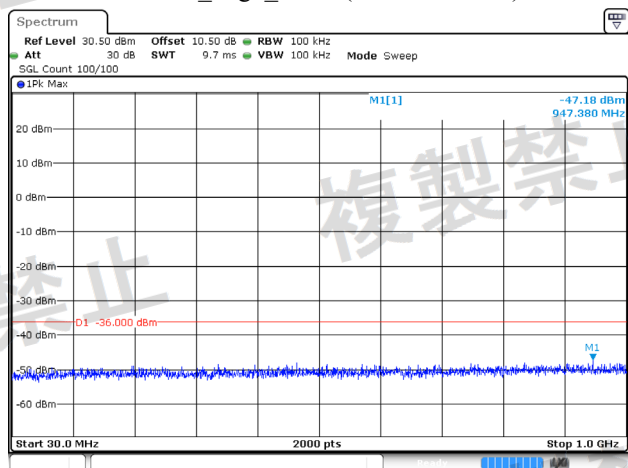
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:13:21

8DPSK_Middle_3DH1(2.4965GHz~12.5GHz)



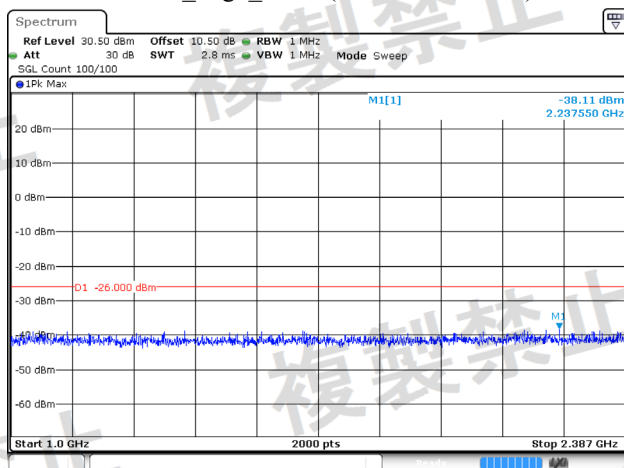
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:13:43

8DPSK_High_3DH1(30MHz~1GHz)



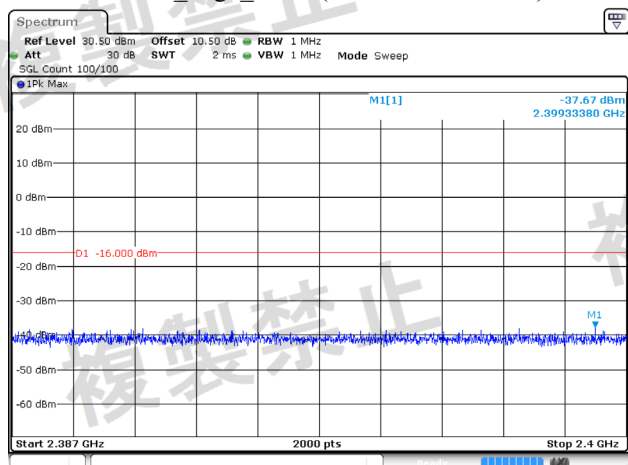
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:14:05

8DPSK_High_3DH1(1GHz~2.387GHz)



ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:14:13

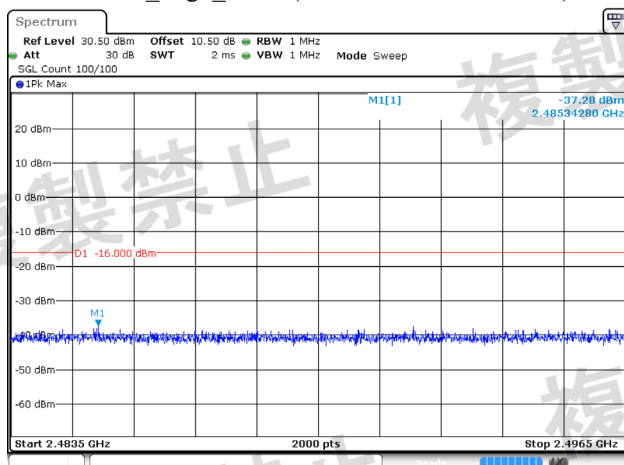
8DPSK_High_3DH1(2.387GHz~2.4GHz)



ProjectNo.:RKSA260428004 Tester:Neil Zhou

Date: 29 MAY 2026 11:14:19

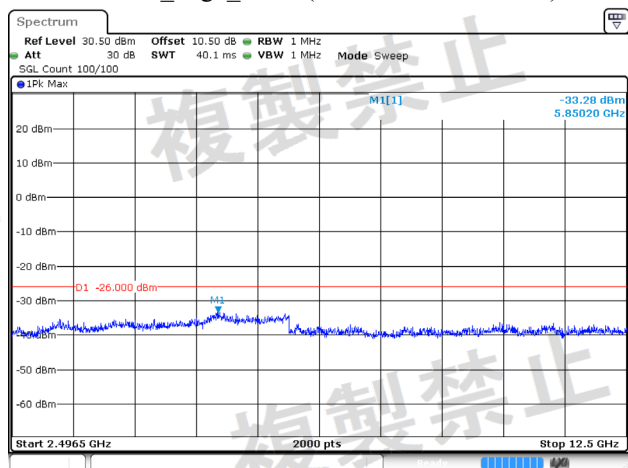
8DPSK_High_3DH1(2.4835GHz~2.4965GHz)



ProjectNo.:RKSA260428004 Tester:Neil Zhou

Date: 29 MAY 2026 11:14:24

8DPSK_High_3DH1(2.4965GHz~12.5GHz)



ProjectNo.:RKSA260428004 Tester:Neil Zhou

Date: 29 MAY 2026 11:14:46

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

Test Date:	2026-05-29
Temperature:	24.8°C
Relative Humidity:	62 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Mode: Transmitting
G1-D Flagship:

Mode	BDR (GFSK)	EDR ($\pi/4$ -DQPSK)	EDR (8DPSK)	AFH_BDR (GFSK)	AFH_EDR ($\pi/4$ -DQPSK)	AFH_EDR (8DPSK)
Voltage (V_{DC})	44.8					
Power Meter Reading (dBm)	-4.27	-4.00	-4.01	-4.28	-3.99	-4.00
Power Meter Reading (mW)	0.374	0.398	0.397	0.373	0.399	0.398
Spread Bandwidth (MHz)	70.40	71.00	70.80	18.00	18.20	18.20
Antenna Output Power (mW/MHz)	0.005	0.006	0.006	0.021	0.022	0.022
Antenna Output Power (dBm/MHz)	-23.01	-22.22	-22.22	-16.78	-16.58	-16.58
EIRP (dBm/MHz)	-21.51	-20.72	-20.72	-15.28	-15.08	-15.08
Declared Power (mW/MHz)	0.01	0.01	0.01	0.03	0.03	0.03
Antenna Output Power Tolerance(%)	-50	-40	-40	-30	-26.67	-26.67
Antenna Power Limit	3mW/MHz					
EIRP Limit	6.91dBm/MHz					
Antenna Tolerance Limit	+20%					
Result	Pass					

G1-D Universal:

Mode	BDR (GFSK)	EDR ($\pi/4$ -DQPSK)	EDR (8DPSK)	AFH_BDR (GFSK)	AFH_EDR ($\pi/4$ -DQPSK)	AFH_EDR (8DPSK)
Voltage (V _{DC})	44.8					
Power Meter Reading (dBm)	-4.35	-3.87	-4.15	-4.21	-4.05	-4.08
Power Meter Reading (mW)	0.367	0.410	0.385	0.379	0.394	0.391
Spread Bandwidth (MHz)	70.40	71.00	70.80	18.00	18.20	18.20
Antenna Output Power (mW/MHz)	0.005	0.006	0.005	0.021	0.022	0.021
Antenna Output Power (dBm/MHz)	-23.01	-22.22	-23.01	-16.78	-16.58	-16.78
EIRP (dBm/MHz)	-21.51	-20.72	-21.51	-15.28	-15.08	-15.28
Declared Power (mW/MHz)	0.01	0.01	0.01	0.03	0.03	0.03
Antenna Output Power Tolerance(%)	-50	-40	-50	-30	-26.67	-30
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 1.5 dBi.

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

Test Date:	2026-05-29
Temperature:	24.8℃
Relative Humidity:	62 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Receiving*

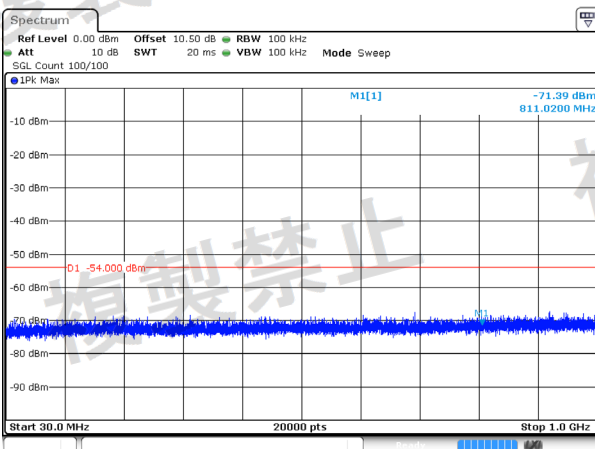
Test Condition: NV					
Mode	Channel	Test Band	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
BDR(GFSK)	Low Channel	30MHz~1GHz	811.02	-71.39	-54dBm (4nW)
		1GHz~12500MHz	5793.49	-52.06	-47dBm (20nW)
	Middle Channel	30MHz~1GHz	704.514	-63.61	-54dBm (4nW)
		1GHz~12500MHz	5777.96	-52.09	-47dBm (20nW)
	High Channel	30MHz~1GHz	889.59	-62.05	-54dBm (4nW)
		1GHz~12500MHz	5945.29	-52.15	-47dBm (20nW)

Test Condition: NV					
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
EDR($\pi/4$ -DQPSK)	Low Channel	30MHz~1GHz	814.221	-67.40	-54dBm (4nW)
		1GHz~12500MHz	6831.94	-52.91	-47dBm (20nW)
	Middle Channel	30MHz~1GHz	889.59	-59.44	-54dBm (4nW)
		1GHz~12500MHz	5818.21	-53.02	-47dBm (20nW)
	High Channel	30MHz~1GHz	724.593	-67.18	-54dBm (4nW)
		1GHz~12500MHz	5912.51	-52.93	-47dBm (20nW)

Test Condition: NV					
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
EDR(8DPSK)	Low Channel	30MHz~1GHz	833.039	-67.08	-54dBm (4nW)
		1GHz~12500MHz	6949.24	-51.98	-47dBm (20nW)
	Middle Channel	30MHz~1GHz	994.204	-67.66	-54dBm (4nW)
		1GHz~12500MHz	5779.11	-52.96	-47dBm (20nW)
	High Channel	30MHz~1GHz	909.863	-67.66	-54dBm (4nW)
		1GHz~12500MHz	6938.31	-52.90	-47dBm (20nW)

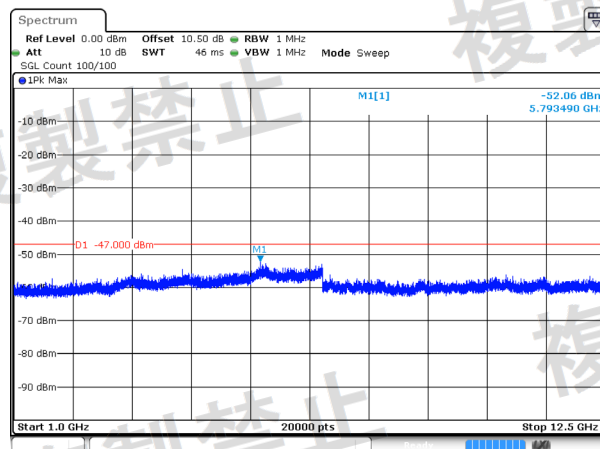
Please refer to the following plots for normal voltage:

GFSK_Low_DH1(30MHz~1GHz)



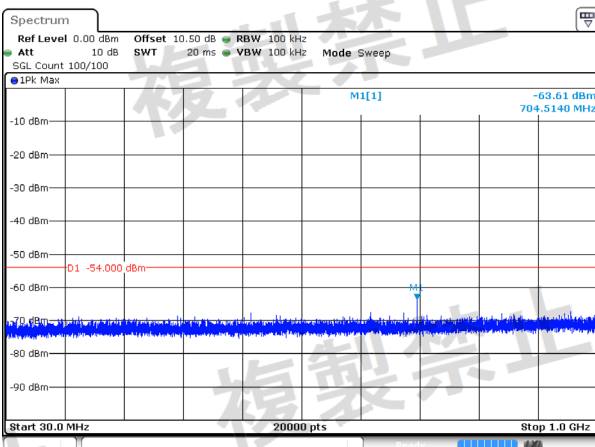
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:23:48

GFSK_Low_DH1(1GHz~12.5GHz)



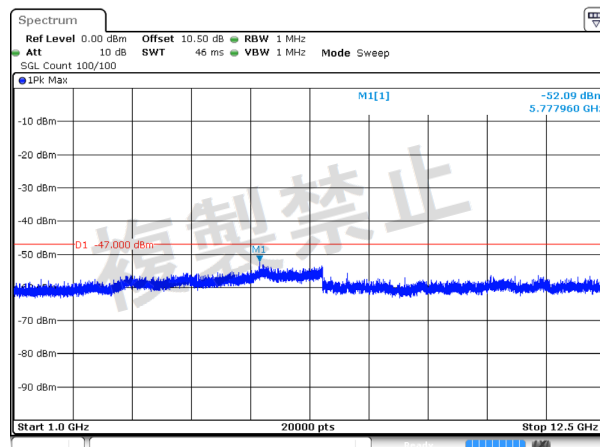
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:26:10

GFSK_Middle_DH1(30MHz~1GHz)



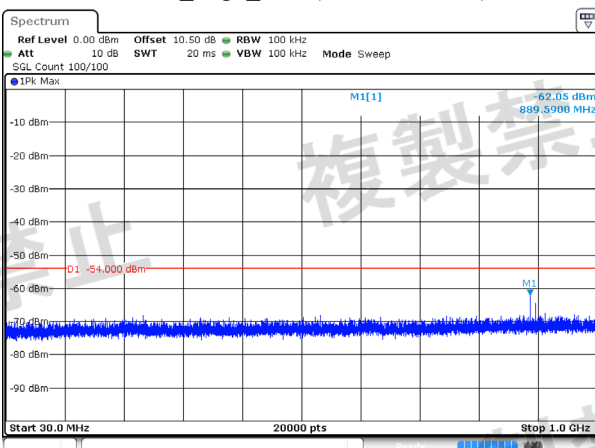
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:26:40

GFSK_Middle_DH1(1GHz~12.5GHz)



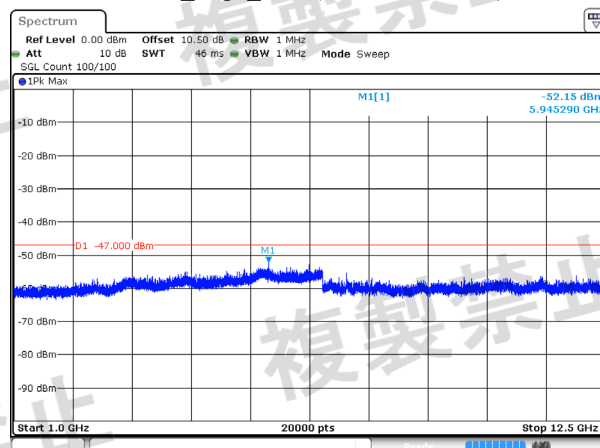
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:27:03

GFSK_High_DH1(30MHz~1GHz)

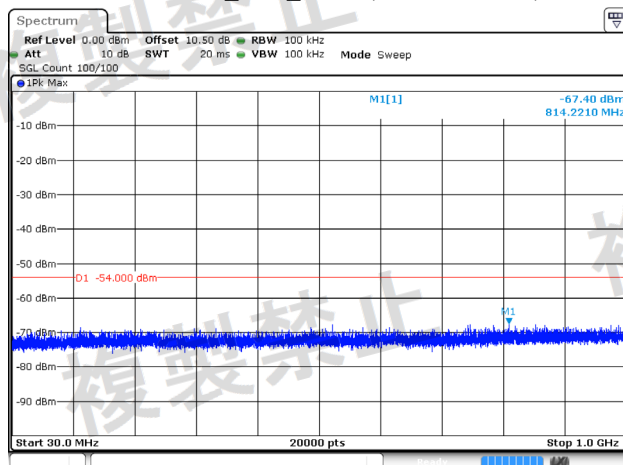


ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:27:42

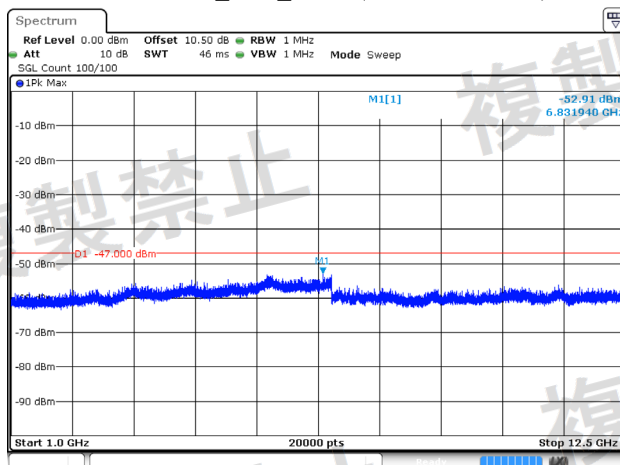
GFSK_High_DH1(1GHz~12.5GHz)



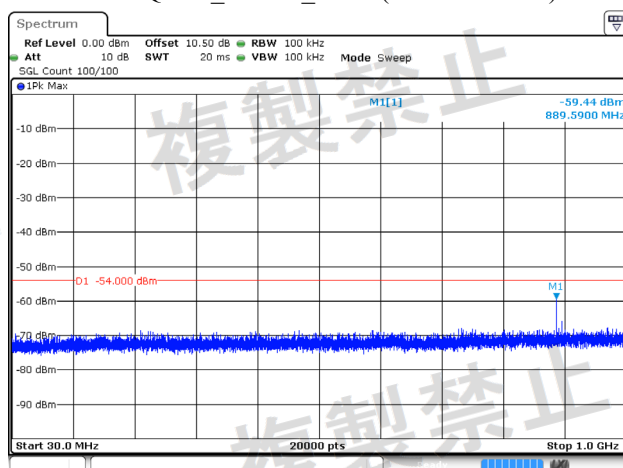
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:28:04

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

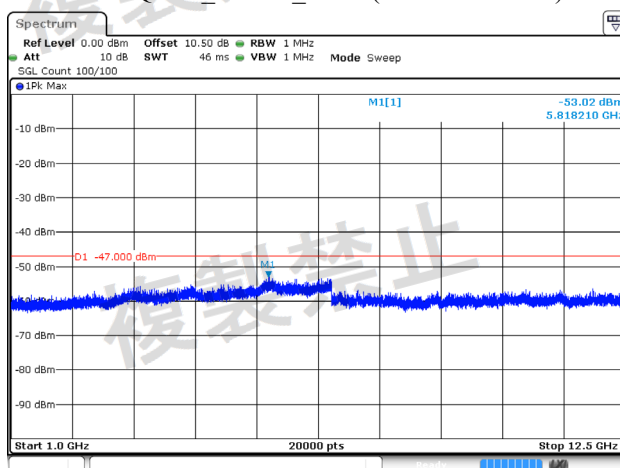
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:28:22

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

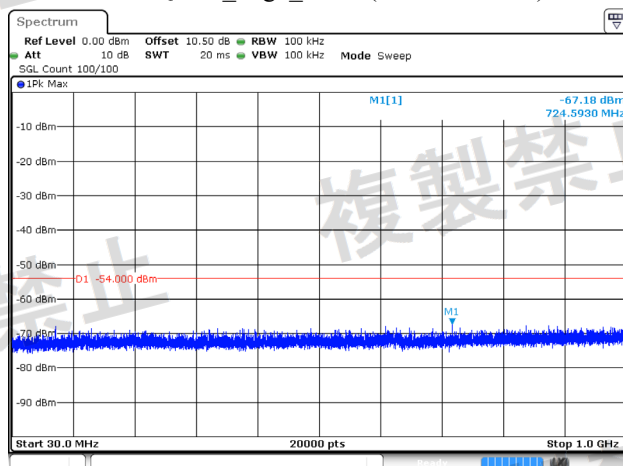
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:28:44

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

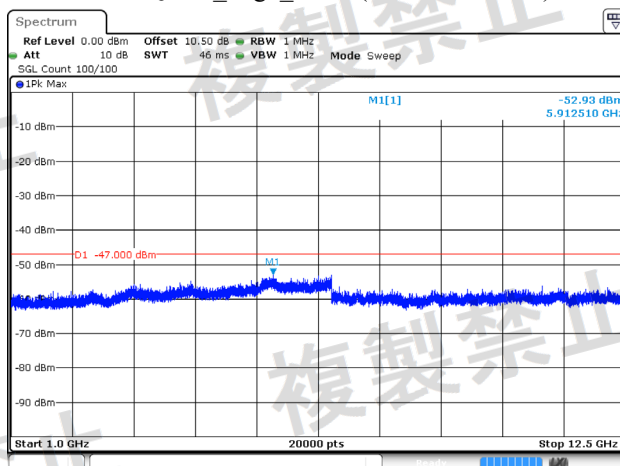
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:28:57

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

ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:29:19

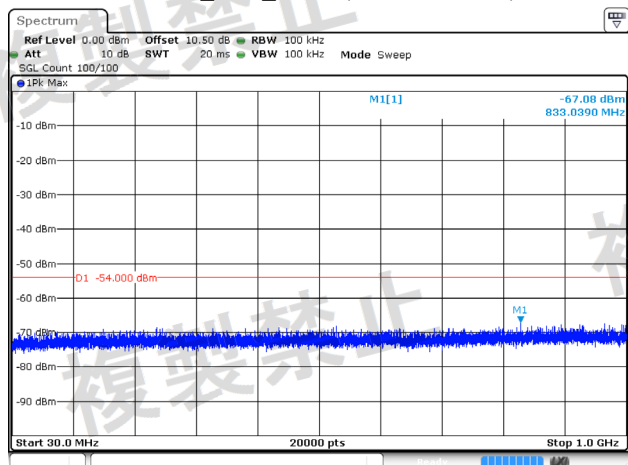
 $\pi/4$ -DQPSK_High_2DH1(30MHz~1GHz)

ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:29:35

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

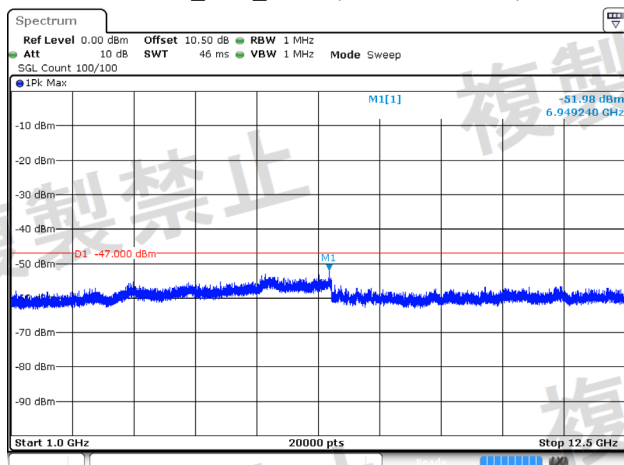
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:29:57

8DPSK_Low_3DH1(30MHz~1GHz)



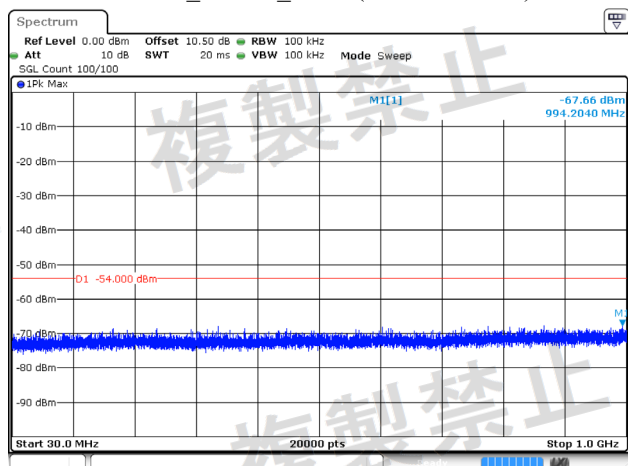
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:30:09

8DPSK_Low_3DH1(1GHz~12.5GHz)



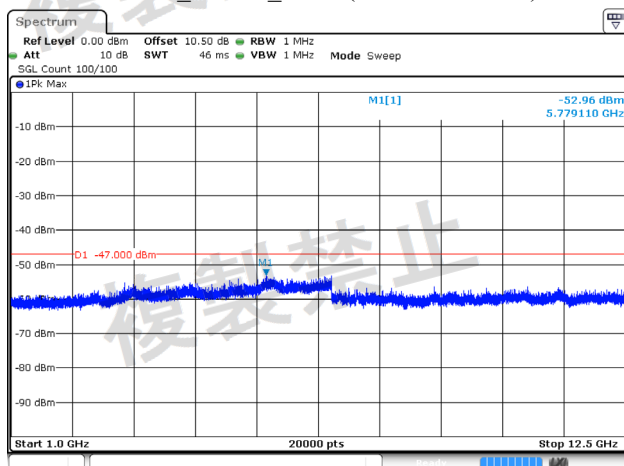
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:30:32

8DPSK_Middle_3DH1(30MHz~1GHz)



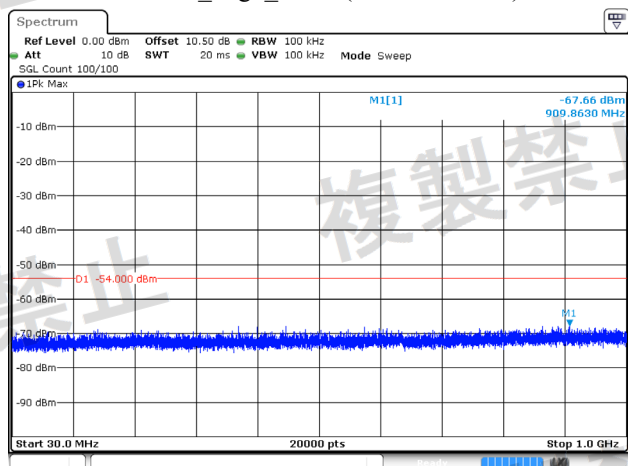
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:30:47

8DPSK_Middle_3DH1(1GHz~12.5GHz)



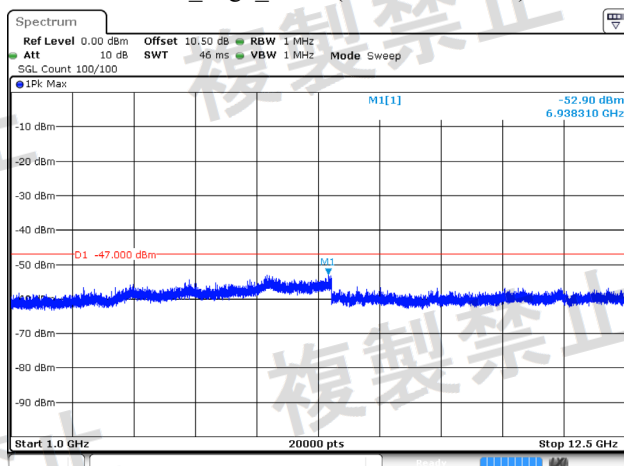
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:31:09

8DPSK_High_3DH1(30MHz~1GHz)



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:31:21

8DPSK_High_3DH1(1GHz~12.5GHz)



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:31:43

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

Test Date:	2026-05-29
Temperature:	24.8°C
Relative Humidity:	62 %
ATM Pressure:	102.5 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

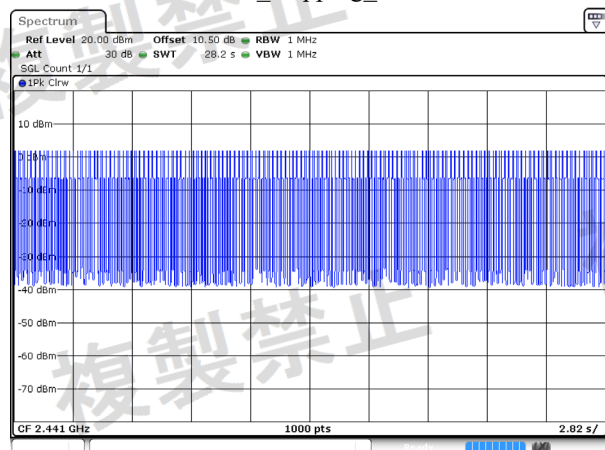
Test Result: Transmitting**Time of Occupancy**

Mode	Packet Type	Time Per One Hopping (ms)	Hopping Numbers	Dwell Time (s)	Limit (s)
BDR (GFSK)	DH1	0.400	219	0.088	≤0.4
	DH3	1.652	124	0.205	≤0.4
	DH5	2.908	94	0.273	≤0.4
	AFH_DH1	0.395	211	0.083	≤0.4
	AFH_DH3	1.652	129	0.213	≤0.4
	AFH_DH5	2.908	78	0.227	≤0.4
EDR (π/4-DQPSK)	2DH1	0.405	210	0.085	≤0.4
	2DH3	1.662	124	0.206	≤0.4
	2DH5	2.913	94	0.274	≤0.4
	AFH_2DH1	0.410	220	0.090	≤0.4
	AFH_2DH3	1.667	129	0.215	≤0.4
	AFH_2DH5	2.908	99	0.288	≤0.4
EDR(8DPSK)	3DH1	0.410	197	0.081	≤0.4
	3DH3	1.657	126	0.209	≤0.4
	3DH5	2.913	104	0.303	≤0.4
	AFH_3DH1	0.410	219	0.090	≤0.4
	AFH_3DH3	1.662	124	0.206	≤0.4
	AFH_3DH5	2.908	76	0.221	≤0.4

Note:

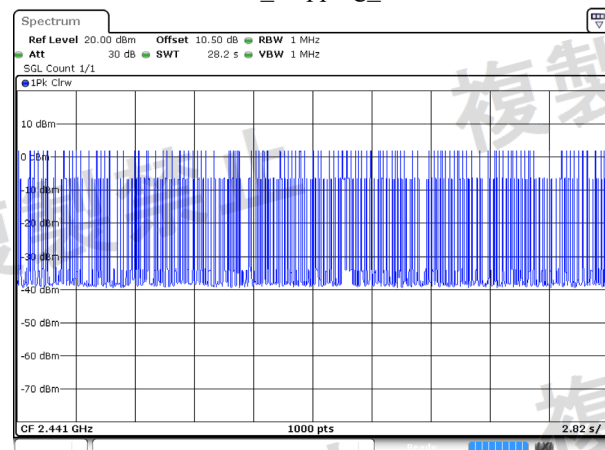
1. Dwell time = Time per one hopping (Ton) * hopping number (within the time obtained by multiplying the Spread Bandwidth by 0.4s).
2. The Spread Bandwidth please refer to Occupied Bandwidth and Spreading Bandwidth.

GFSK_Hopping_DH1



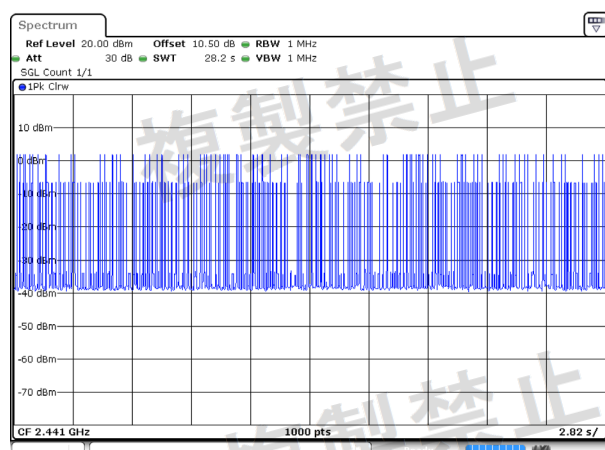
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:16:51

GFSK_Hopping_DH3

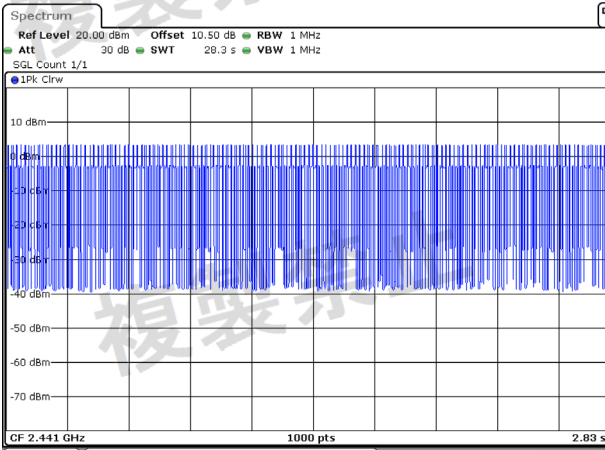


ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:17:52

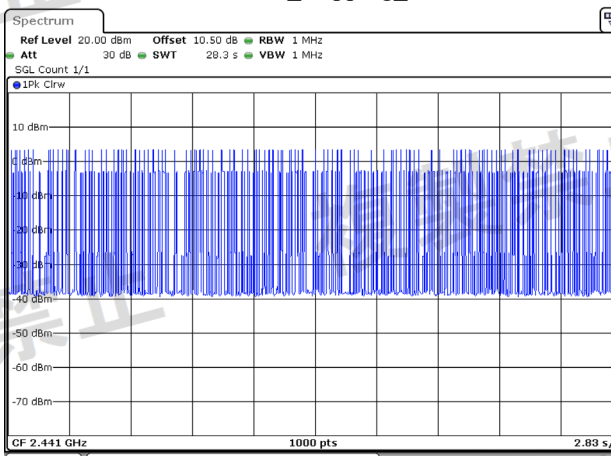
GFSK_Hopping_DH5



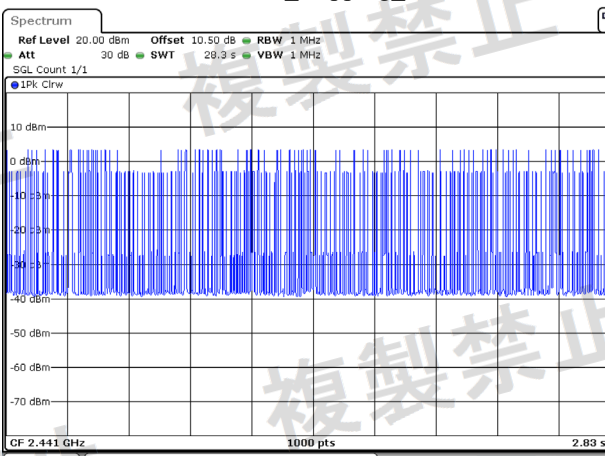
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:18:45

 $\pi/4$ -DQPSK_Hopping_2DH1

ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:19:35

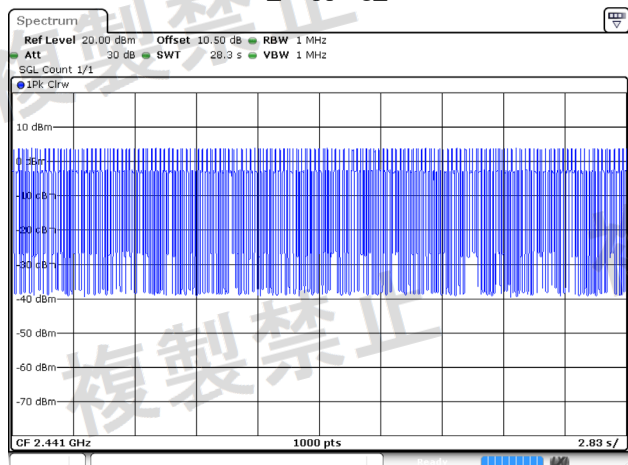
 $\pi/4$ -DQPSK_Hopping_2DH3

ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:21:26

 $\pi/4$ -DQPSK_Hopping_2DH5

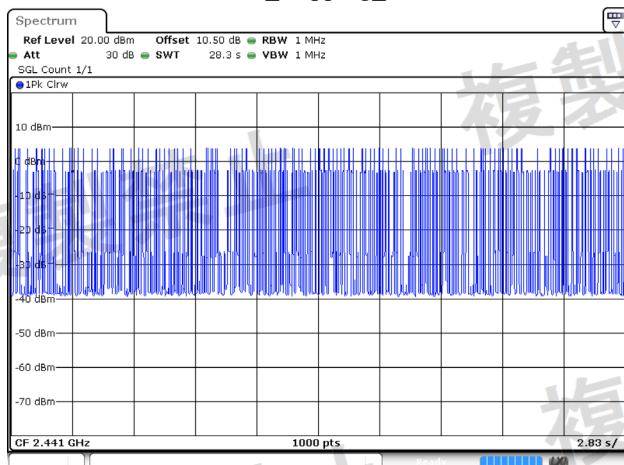
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 11:23:13

8DPSK_Hopping_3DH1



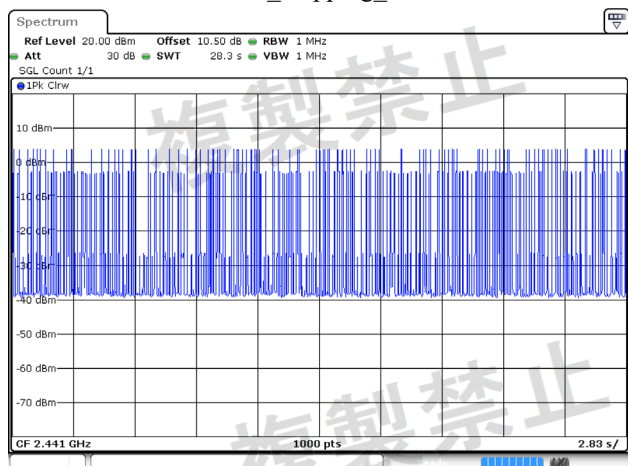
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:24:11

8DPSK_Hopping_3DH3



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:25:04

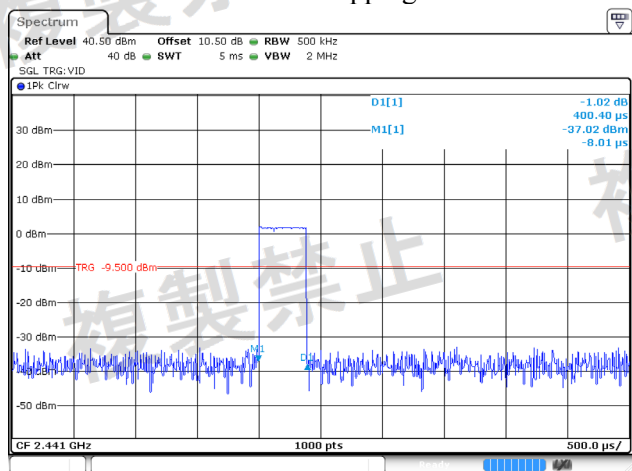
8DPSK_Hopping_3DH5



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 11:26:11

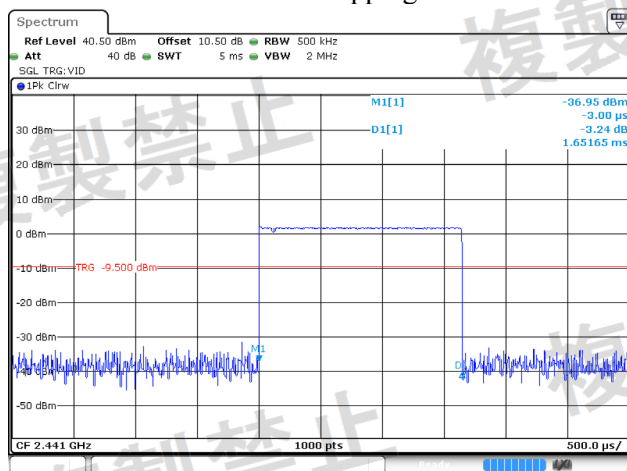
BDR Mode (GFSK):

Time Per One Hopping - DH1



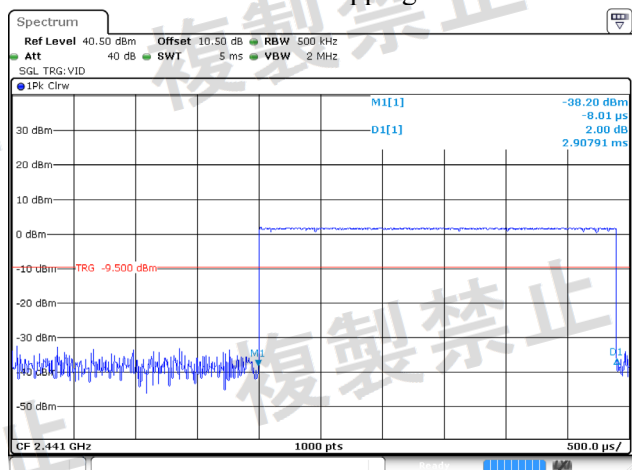
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 14:55:12

Time Per One Hopping - DH3



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 14:58:42

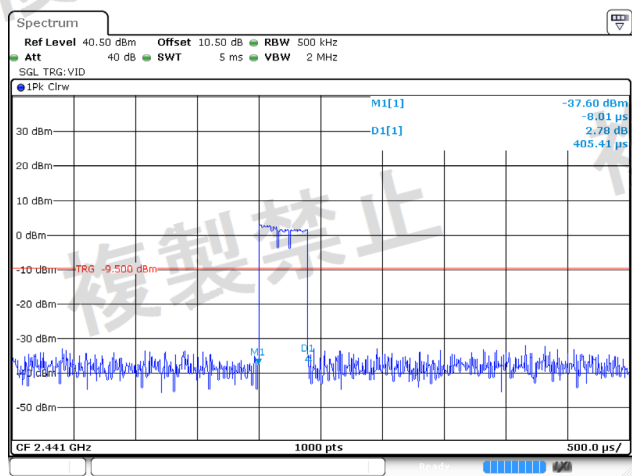
Time Per One Hopping - DH5



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:00:07

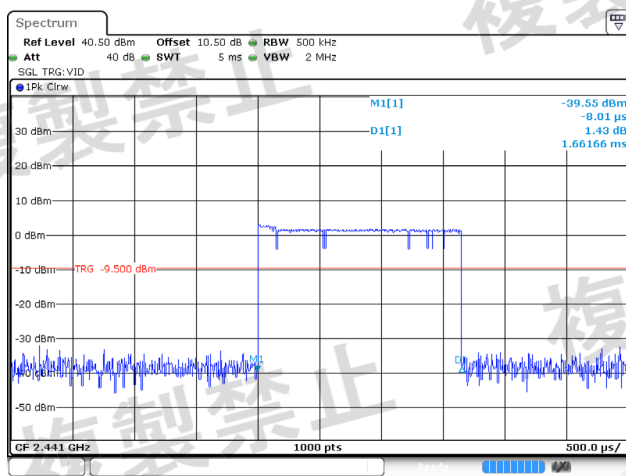
EDR Mode ($\pi/4$ -DQPSK):

Time Per One Hopping - 2DH1



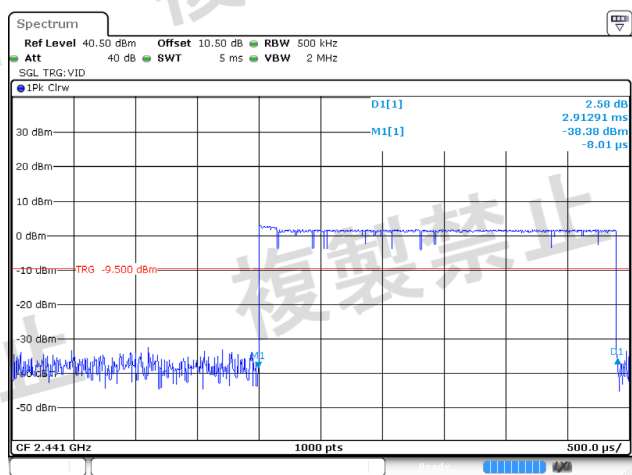
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:01:22

Time Per One Hopping - 2DH3



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:02:33

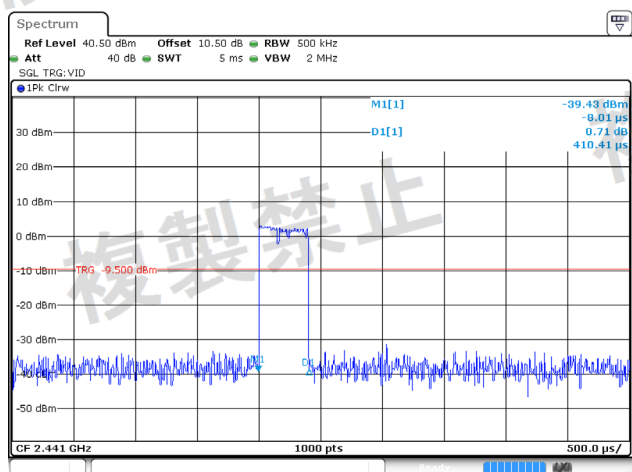
Time Per One Hopping - 2DH5



ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:04:28

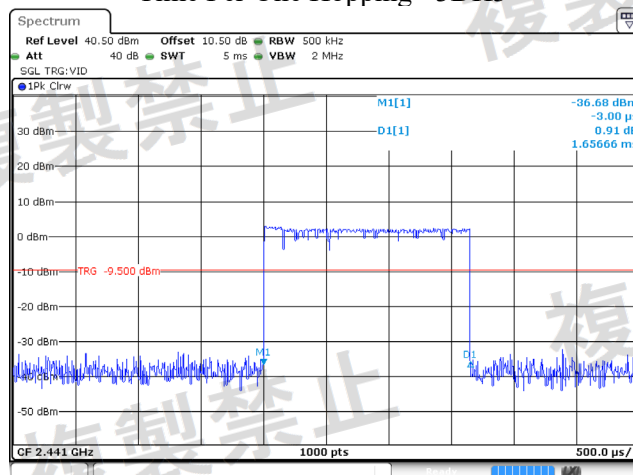
EDR Mode (8DPSK):

Time Per One Hopping - 3DH1



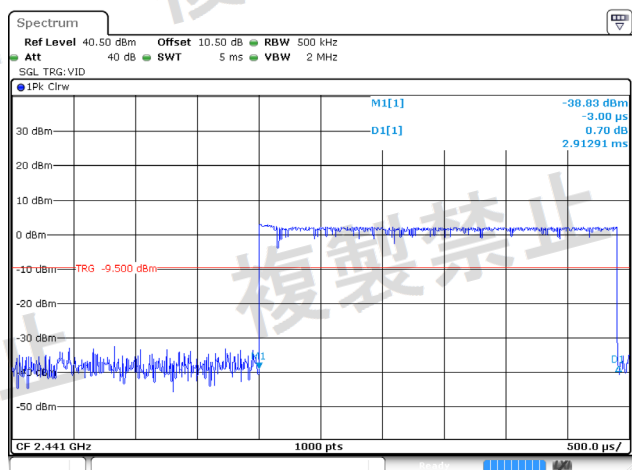
ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 15:05:49

Time Per One Hopping - 3DH3



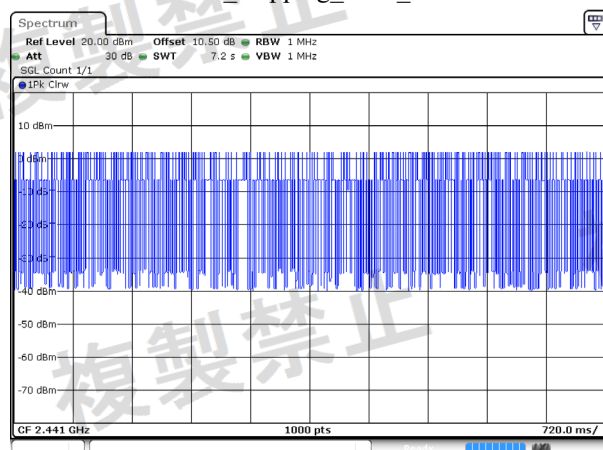
ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 15:07:07

Time Per One Hopping - 3DH5



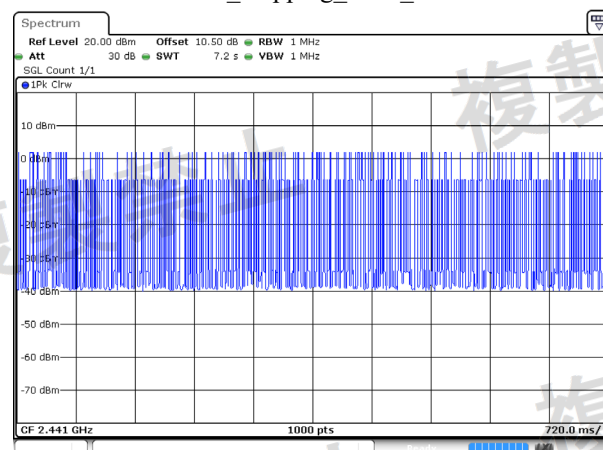
ProjectNo: RKSA260428004 Tester:Neil Zhou
Date: 29 MAY 2026 15:08:23

GFSK_Hopping_AFH_DH1



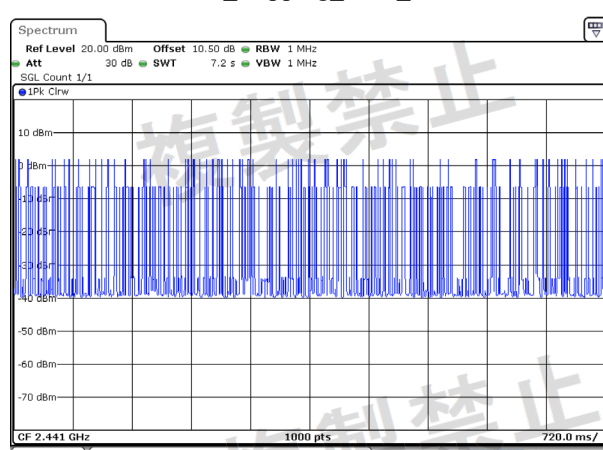
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 12:16:31

GFSK_Hopping_AFH_DH3

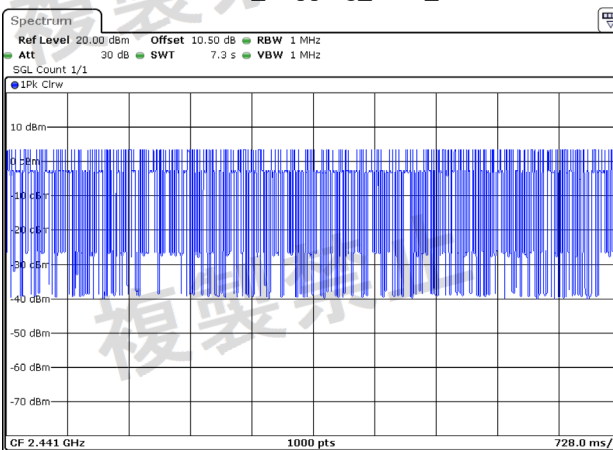


ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 12:17:00

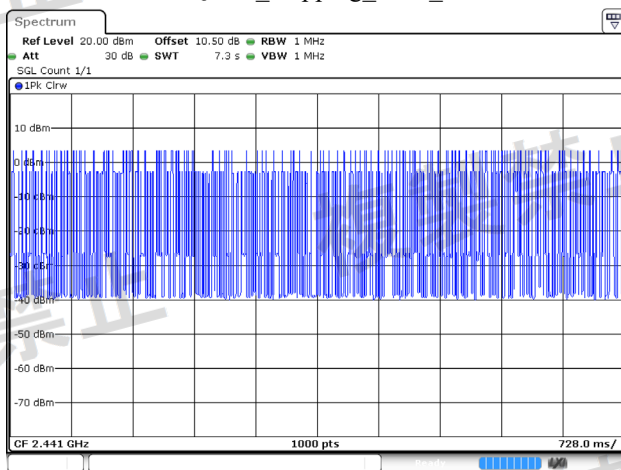
GFSK_Hopping_AFH_DH5



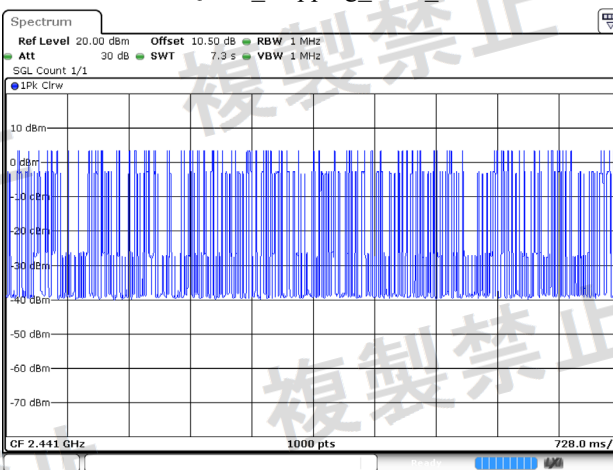
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 12:17:30

 $\pi/4$ -DQPSK_Hopping_AFH_2DH1

ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 12:19:05

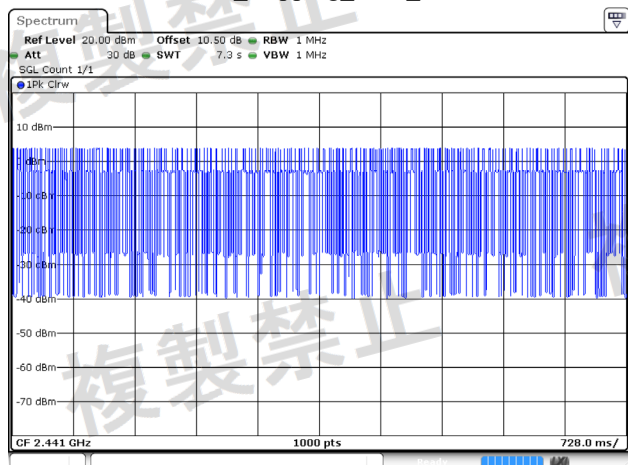
 $\pi/4$ -DQPSK_Hopping_AFH_2DH3

ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 12:19:43

 $\pi/4$ -DQPSK_Hopping_AFH_2DH5

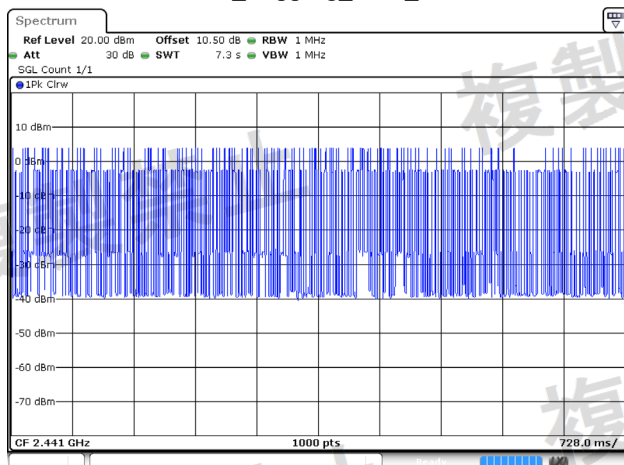
ProjectNo.:RKSA260428004 Tester:Neil Zhou
Date: 29.MAY.2026 12:20:35

8DPSK_Hopping_AFH_3DH1



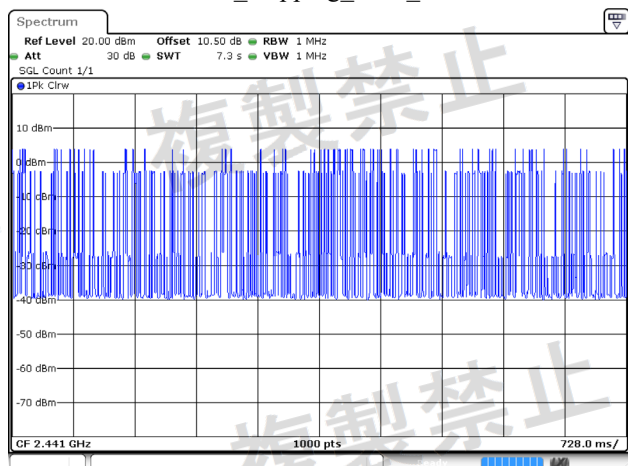
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:21:21

8DPSK_Hopping_AFH_3DH3

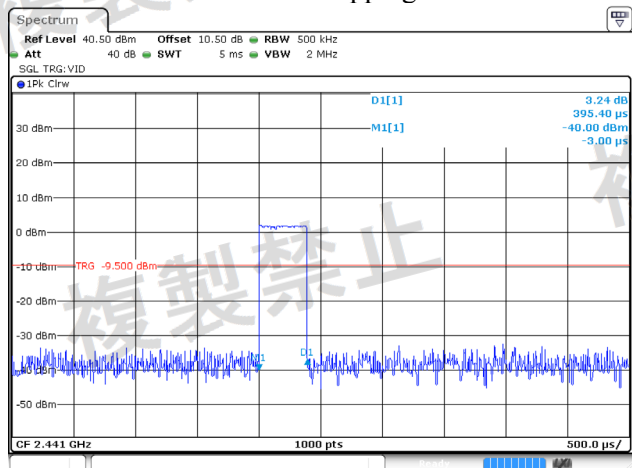


ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:21:58

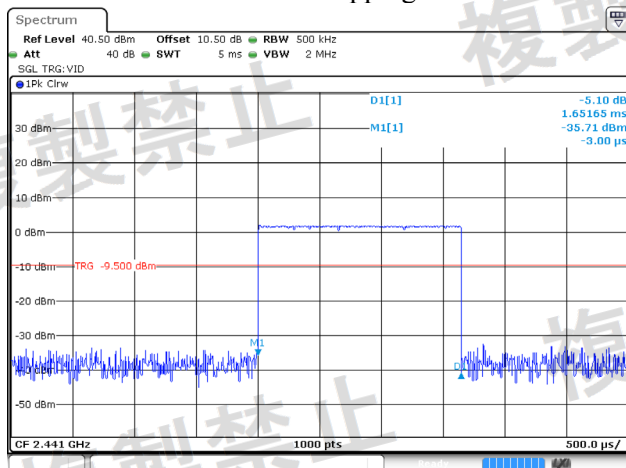
8DPSK_Hopping_AFH_3DH5



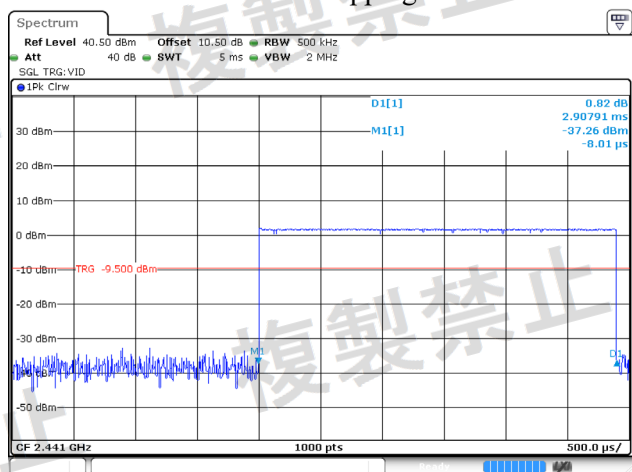
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 12:22:58

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

ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 14:58:08

Time Per One Hopping - DH3

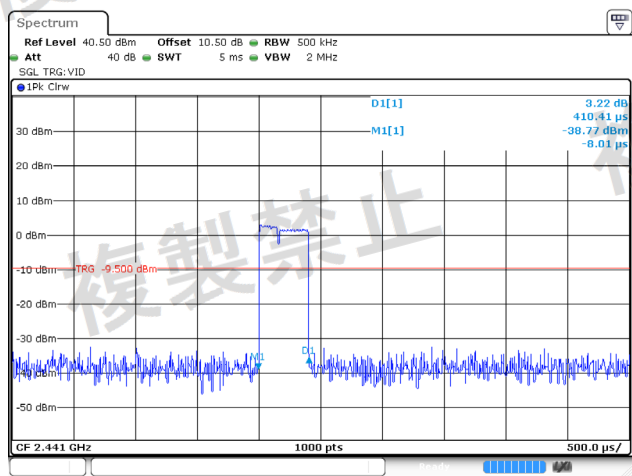
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 14:59:21

Time Per One Hopping - DH5

ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:00:41

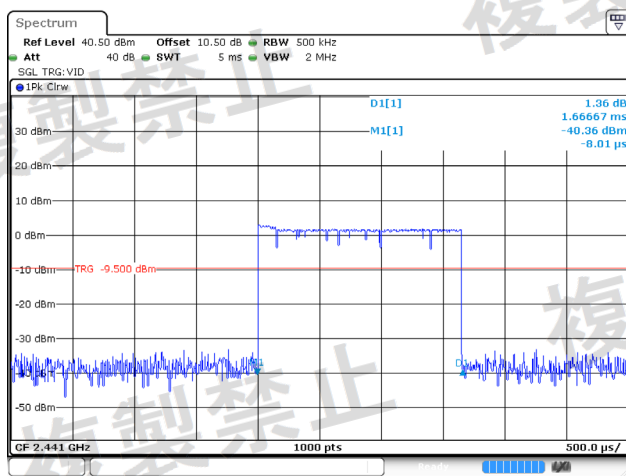
AFH_EDR Mode ($\pi/4$ -DQPSK):

Time Per One Hopping - 2DH1



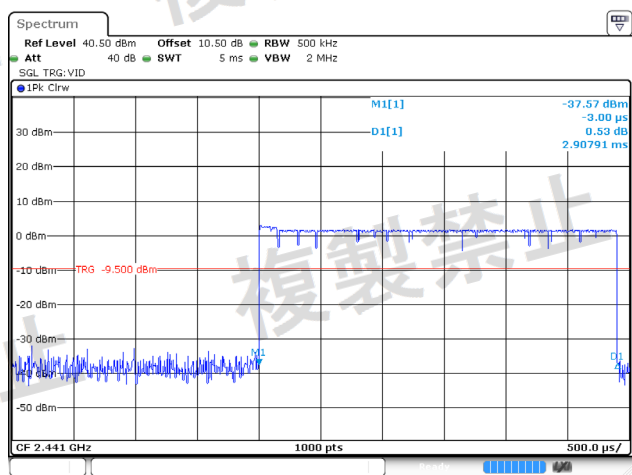
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:01:58

Time Per One Hopping - 2DH3

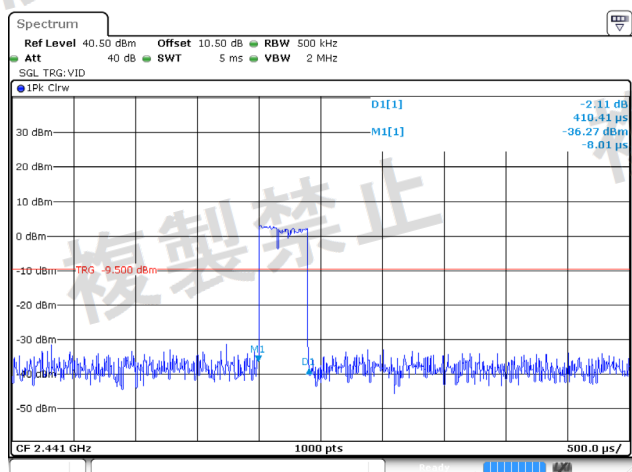


ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:03:07

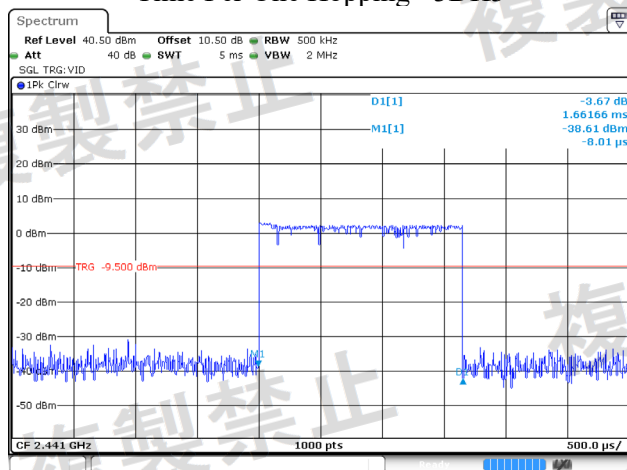
Time Per One Hopping - 2DH5



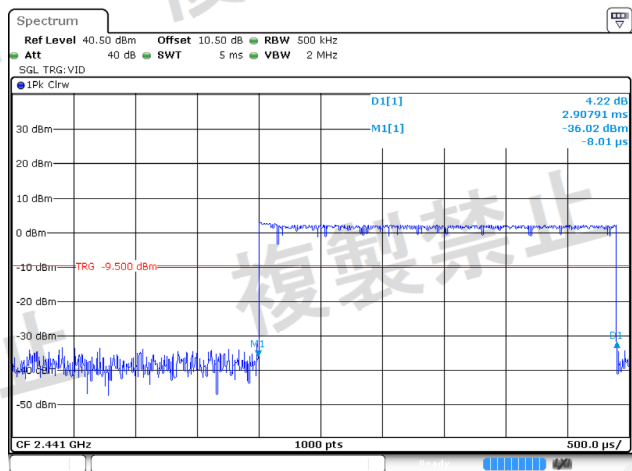
ProjectNo.: RKSA260428004 Tester: Neil Zhou
Date: 29 MAY 2026 15:03:44

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

ProjectNo. RKSA260428004 Tester Neil Zhou
Date: 29 MAY 2026 15:06:29

Time Per One Hopping - 3DH3

ProjectNo. RKSA260428004 Tester Neil Zhou
Date: 29 MAY 2026 15:07:48

Time Per One Hopping - 3DH5

ProjectNo. RKSA260428004 Tester Neil Zhou
Date: 29 MAY 2026 15:08:58

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