

JAPAN MIC

TEST REPORT

For

Feitian Japan Co., Ltd.

4F/7F, TOWER, CANAL, 9-3, Nihombashikoamicho, Chuo Ku, Tokyo To, 103-0016, Japan

Tested Model: F77

Report Type: Original Report	Product Name: Pay BOX
Report Number: RKSA260113001-24A	
Report Date: 2026-04-08	
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA260113001-24A	R1V1	2026-04-08	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Feitian Japan Co., Ltd.
Tested Model:	F77
Product Name:	Pay BOX
Power Supply:	DC 12V from adapter
RF Function:	2.4G Wi-Fi
Operating Band/Frequency:	2412-2472 MHz(802.11b/g/n-HT20/ax-HE20) 2422-2462 MHz(802.11n-HT40)
RF output power:	802.11b mode: 5.5mW/MHz 802.11g mode: 2.0mW/MHz 802.11n-HT20 mode: 2.0mW/MHz 802.11n-HT40 mode: 1.5mW/MHz 802.11ax-HE20 mode: 1.5mW/MHz
Channel Number:	802.11b/g/n-HT 20/ax-HE20: 13 802.11n-HT 40: 9
Channel Separation:	5 MHz
Modulation Type:	DSSS, OFDM, OFDMA
★Maximum Antenna Gain:	2.1 dBi

Adapter Information:

Model: AD-AKA120P200

Input: AC100-240V, 50/60Hz, 49-67VA

Output: DC12.0V, 2.0A

Note:

1. The maximum antenna gain was provided by the manufacturer.
2. The EUT is equipped with three types of antennas: model FX-2.4G-5G-2DB-SMA-J, 79300036 and 79300037, the detailed information of is as below:

Item	Model	Max. Antenna Gain(dBi)	Antenna Type
Antenna 1	FX-2.4G-5G-2DB-SMA-J	2.1	Monopole Antenna
Antenna 2	79300036	1.85	Monopole Antenna
Antenna 3	79300037	-3.06	Monopole Antenna

All measurement and test data in this report was gathered from production sample serial number: RKSA260113001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-01-13.)

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

Test channel list is as below,

For 802.11b, 802.11g, 802.11n-HT20 and 802.11ax-HE20 mode, EUT was tested with Channel 1, 7 and 13.

802.11n-HT40, EUT was tested with Channel 3, 7 and 11.

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432	12	2467
6	2437	13	2472
7	2442	/	/

Test conditions

Voltage Fluctuation Test	Normal Voltage (V)	High Voltage (V)	Low Voltage (V)
Input AC Power	100	110	90
Input IC Power	3.3	3.3	3.3
Voltage Variation (%)	/	0	0

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: ESP_RF_Test_Tool

We have pretested all the data rate, the worst condition was performed under:

Mode	Data Rate	Channel	★Power Level
802.11b	1 Mbps	Low	0
		Middle	0
		High	0
802.11g	6 Mbps	Low	10
		Middle	10
		High	10
802.11n-HT20	MCS0	Low	16
		Middle	16
		High	16
802.11n-HT40	MCS0	Low	0
		Middle	0
		High	0
802.11ax-HE 20	MCS0	Low	20
		Middle	20
		High	20

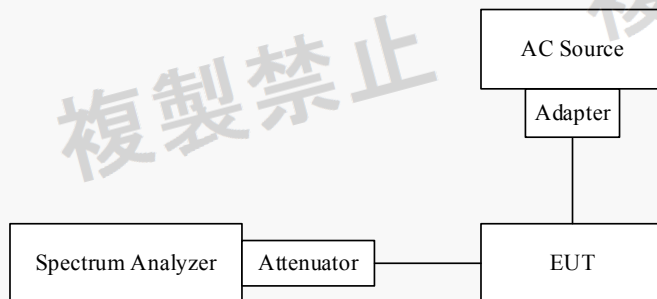
Note: 802.11ax only support full RU.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
ShunHong	Power Transformer	SHJZ-2000VA	/

External I/O Cable

Cable Description	Length (m)	From Port	To Port
RF Cable	0.3	Attenuator	EUT
Power Cable	1.5	EUT	Adapter

Configuration of Test Setup

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	Carrier sense capability	Compliant
7	Transmission Antenna Gain	Not Applicable (See Note 1)
8	Transmission Radiation Angle Width	Not Applicable (See Note 1)
9	Interference prevention function	Compliant
10	Frequency Hopping Dwell Time	Not Applicable (See Note 2)
Appendix	Construction Protection Confirmation	Compliant

Note:

1. This test item is not be applied to the transmission antenna which EIRP is less than 12.14dBm/MHz (802.11b/g/n-HT20) and 9.13dBm/MHz (802.11n-HT40).
2. Testing is only required for FHSS system devices.

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Authority	Calibration Method
Rohde & Schwarz	Signal Analyzer	FSU26	200103	2025-04-09	2026-04-08	BACL Cal	c)
Eastsheep	Attenuator	10dB	10dB-01	2025-04-08	2026-04-07	BACL Cal	c)
Rohde & Schwarz	SMBV100A Vector Signal Generator	SMBV100A	261558	2025-04-08	2026-04-07	BACL Cal	c)
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	104478	2025-04-09	2026-04-08	BACL Cal	c)
Fluke	Digital Multimeter	15B+	45401661WS	2025-04-09	2026-04-08	BACL Cal	c)
Rohde & Schwarz	Vector Signal Generator	N5182B	MY53051592	2025-04-09	2026-04-08	BACL Cal	c)
MACOM	Power Combiner	F-07-EM332	/	2025-04-09	2026-04-08	BACL Cal	c)
ShunHong	Power Transformer	SHJZ-2000VA	ShunHong	N/A	N/A	N/A	N/A
FLUKE	Multimeter	12E+	28821029WS	2025-04-08	2026-04-07	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 shall be $\pm 50\text{ppm}$.

Test Procedure

Set the EUT to the measurement frequency without modulation.

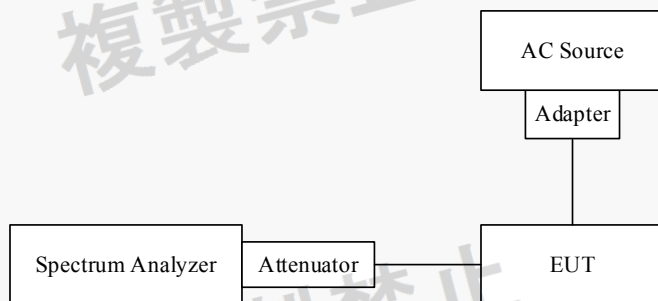
Setting of SA is following as: RB: 1 kHz / VB: 3 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.

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 (10dB) +Cable loss (0.5dB) has been added in Spectrum Analyzer

Test Data: See Appendix

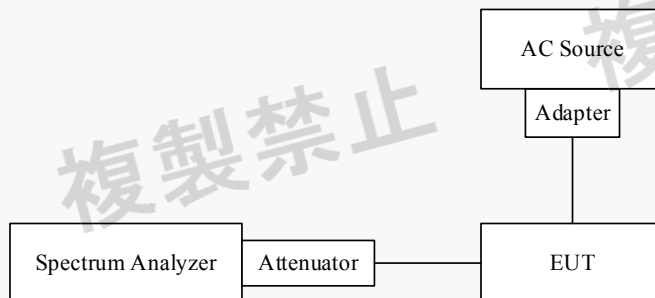
OCCUPIED BANDWIDTH AND SPREADING BANDWIDTH

Limit

Occupied bandwidth: $FH \leq 83.5 \text{ MHz}$; $DS \leq 26 \text{ MHz}$; $26\text{MHz} < \text{OFDM} \leq 40 \text{ MHz}$
Others $\leq 26 \text{ MHz}$

Test Procedure

1. Setting of SA is following as: RB: 300 kHz / VB: 300 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
2. EUT have transmitted the maximum modulation signal and fixed channelize. SA set to 99% of occupied bandwidth to measure occupied bandwidth.



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

Test Data: See Appendix

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Limit

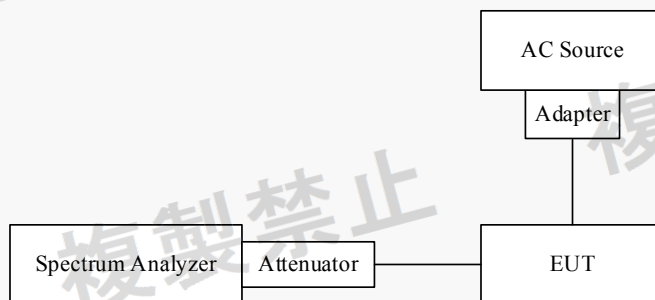
$30\text{MHz} \leq f \leq 1\text{GHz}: \leq 2.5\mu\text{W}/\text{MHz}$

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

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

Test Procedure

Measurement System Diagram



Note : the offset= Attenuator (10dB) +Cable loss (0.5dB) 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 30MHz and stop frequency 1GHz, 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 $2.5\mu\text{W}$.

Setting of SA start 1GHz and stop frequency 2387MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak reading value + cable loss shall be less than $2.5\mu\text{W}$.

Setting of SA start 2387MHz and stop frequency 2400MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak reading value + cable loss shall be less than $25\mu\text{W}$.

Setting of SA start 2483.5MHz and stop frequency 2496.5MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak reading value + cable loss shall be less than $25\mu\text{W}$.

Setting of SA start 2496.5MHz and stop frequency 12500MHz, RB: 1MHz/VB: 1MHz, Sweep time: Auto. Sweep mode: continuous sweep .Detect mode: Positive peak/Trace mode: max hold. Then to mark peak reading value + cable loss shall be less than $2.5\mu\text{W}$.

Test Data: See Appendix

ANTENNA OUTPUT POWER, ANTENNA POWER TOLERANCE AND TRANSMISSION ANTENNA GAIN

Limit

- ≤ 3 mW/MHz (FHSS from 2402-2480 MHz)
- ≤ 10 mW/MHz (OFDM, DSSS from 2400-2483.5 MHz)
- ≤ 5 mW/MHz ($26\text{MHz} < \text{OBW} \leq 40\text{MHz}$)
- ≤ 10 mW (other from 2400-2483.5 MHz)

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

E.i.r.p:

- $\leq 12.14\text{dBm/MHz}$ (OFDM, DS from 2400-2483.5MHz)
- $\leq 9.13\text{dBm/MHz}$ ($26\text{MHz} < \text{OBW} \leq 40\text{MHz}$)

Test Procedure

Step 1:

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

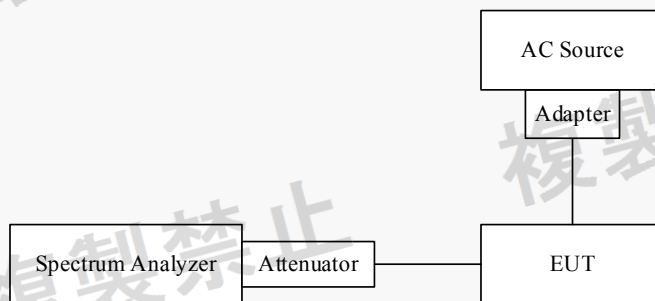
- Centre Frequency: The centre frequency of the channel under test.
- RBW: 1 MHz
- VBW: 1 MHz
- Span: Wide enough to cover the complete power envelope of the signal of the UUT.
- Detector: Peak.
- Trace Mode: Max Hold.

Step 2:

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

Step3: Make the following changes to the settings of the spectrum analyzer:

- Measurement Mode: Time Domain Power
- Centre Frequency: Equal to the frequency recorded in step 2.
- Span: Zero Span.
- Resolution BW: 1 MHz
- Video BW: 1 MHz
- Sweep Mode: Single.
- Detector: Sample.
- Trace Mode: Clear Write.

Test Setup Block diagram

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

Test Data: See Appendix

RECEIVER SPURIOUS EMISSION AND UNWANTED EMISSION INTENSITY

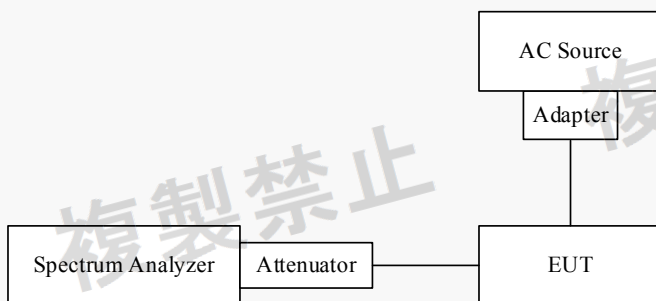
Limit

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

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

Test Procedure

Measurement System Diagram



Note : the offset= Attenuator (10dB) +Cable loss (0.5dB) 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

CARRIER SENSE CAPABILITY

Requirement

MIC Notice No.88 Appendix No.43

Article 2, Paragraph 1, Item 19 Rules Section 10

Test Procedure

1. Setting the SA as following:

Center frequency: Center frequency of the receiving frequency band

Span: 50 MHz (Note 1)

RB: 1 MHz

VB: Same as RB

Trigger type: Free-run

Detector: Peak (Note 1)

Note 1:

In the case of transmission in OFDM or other modulation type with the occupied frequency bandwidth of 26MHz or less, the sweep frequency width is set at 0 Hz, the detection mode as the sample and the center frequency is set at 13MHz to 19MHz from the carrier frequency.

2. Set the EUT to transmit, in the state that the SG is OFF, and the spectrum analyzer confirms that check the OFDM radio wave with the occupied frequency band exceeding 26 MHz.

3. Set the EUT in receiving state.

4. Turn the SG on, check the OFDM radio wave transmit or not. Record the result.

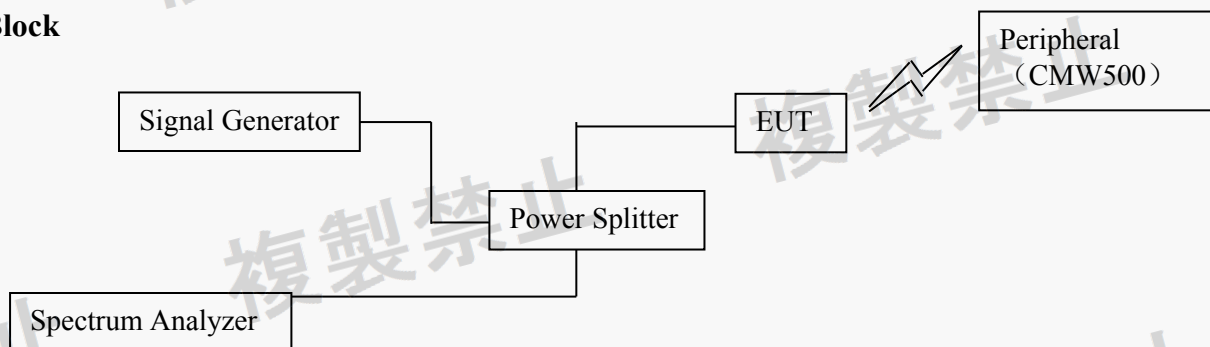
The SG setting as following:

Modulation type: Un-modulated (Note 2)

Output power level: The regulated power level on the antenna input of the EUT.

Note 2: The un-modulated carrier in the center frequency, when the carrier sense function of the test equipment is not work, if necessary, change the frequency or modulate it.

Test Block



Test Date:	2026-03-11
Temperature:	18.5℃
Relative Humidity:	54 %
ATM Pressure:	102.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant

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

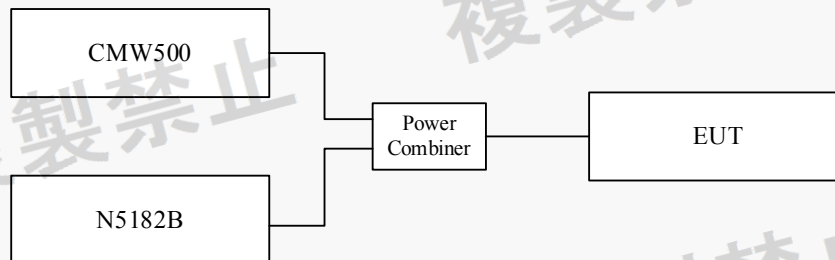
In the case that the EUT has the function of automatically transmitting the identification code:

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 Setup Block diagram



Test Date:	2026-03-11
Temperature:	18.5°C
Relative Humidity:	54 %
ATM Pressure:	102.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result:

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:	D0:CF:13:EC:A2:98	/	/
Bits of ID Codes:	48bits	48 bits or more	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 to EUT Photo.

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

Test Date:	2026-03-12
Temperature:	19.5℃
Relative Humidity:	53 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Transmitting*

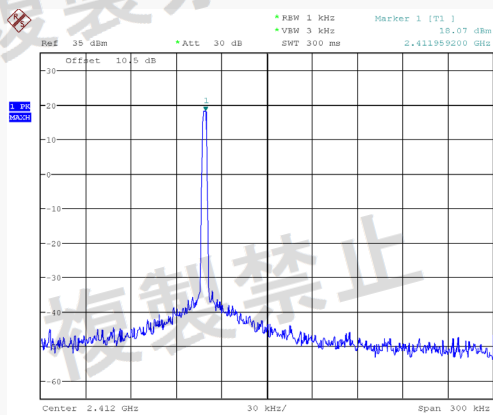
Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)
2412	2411.95920	-16.92	±50
2422	2421.95650	-17.96	
2442	2441.95710	-17.57	
2462	2461.95500	-18.28	
2472	2471.95590	-17.84	

Note:

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

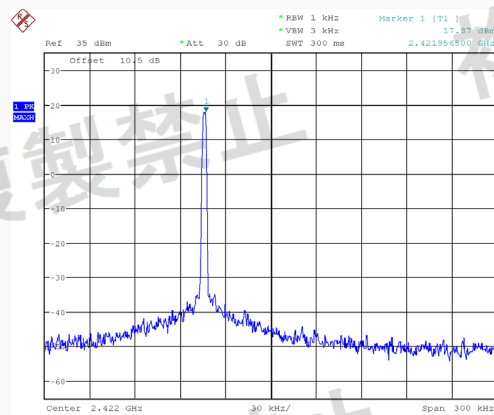
Please refer to the following plots for normal voltage:

2412MHz



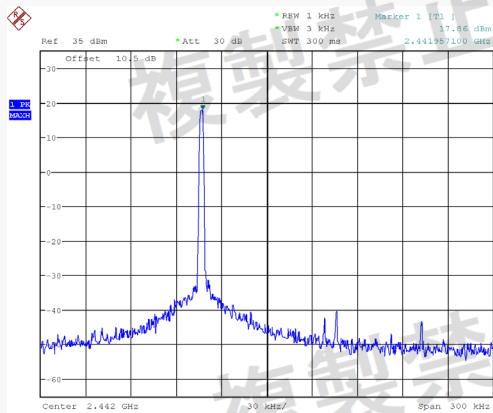
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:55:22

2422MHz



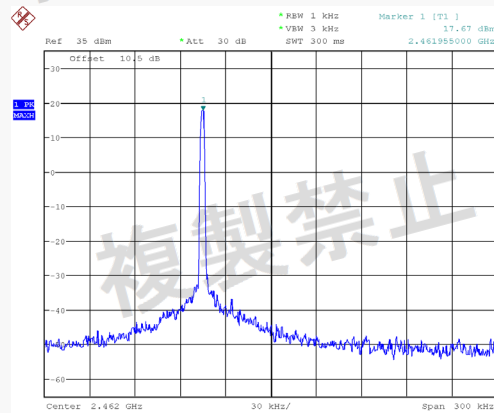
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:56:57

2442MHz



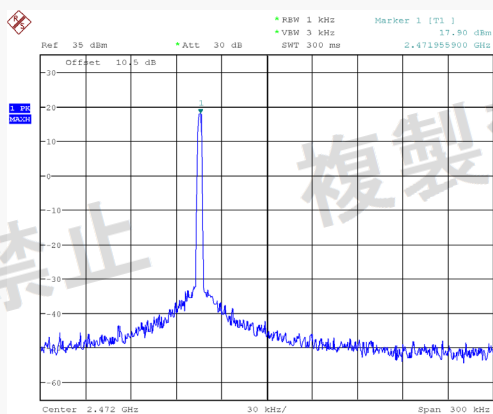
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:55:53

2462MHz



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:57:42

2472MHz



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:56:23

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

Test Date:	2026-03-12
Temperature:	19.5℃
Relative Humidity:	53 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

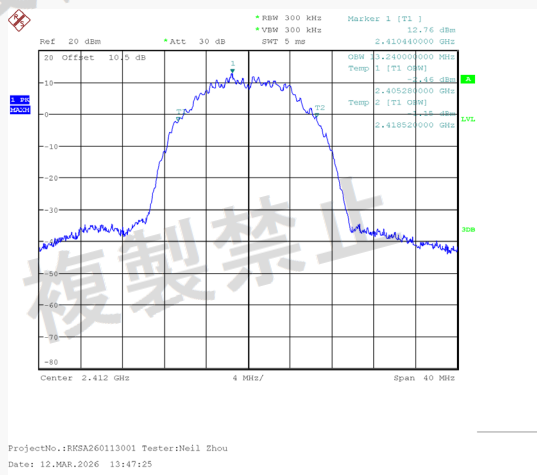
Test Result: Compliant*Test Mode: Transmitting*

Frequency (MHz)	Low Channel	Middle Channel	High Channel	Limit
802.11b Mode				
Occupied Bandwidth (MHz)	13.24	13.24	13.24	≤26MHz
802.11g Mode				
Occupied Bandwidth (MHz)	16.56	16.56	16.52	≤26MHz
802.11n-HT20 Mode				
Occupied Bandwidth (MHz)	17.64	17.64	17.64	≤26MHz
802.11n-HT40 Mode				
Occupied Bandwidth (MHz)	35.92	35.92	35.92	>26MHz ≤40MHz
802.11ax-HE20 Mode				
Occupied Bandwidth (MHz)	18.88	18.88	18.92	≤26MHz

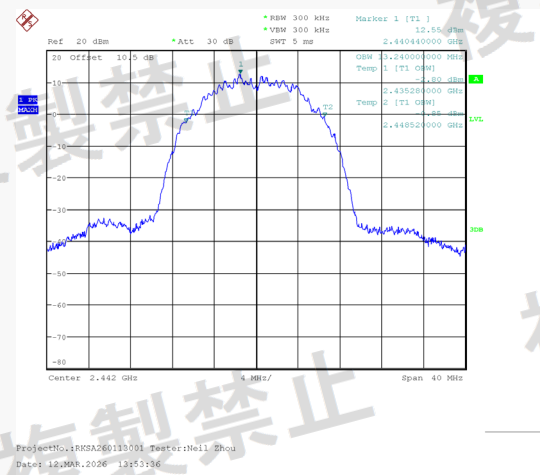
Please refer to the following plots for normal voltage:

Occupied Bandwidth:

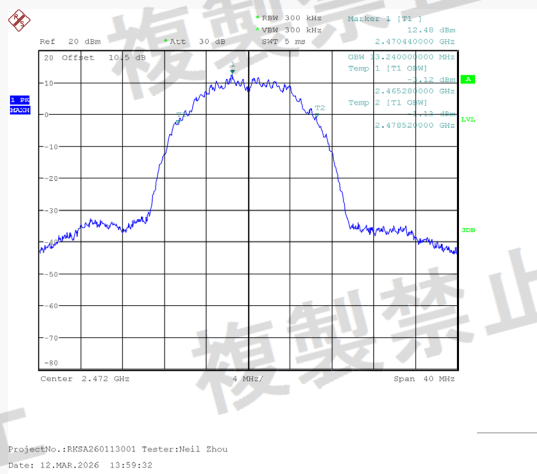
802.11b Mode Low Channel



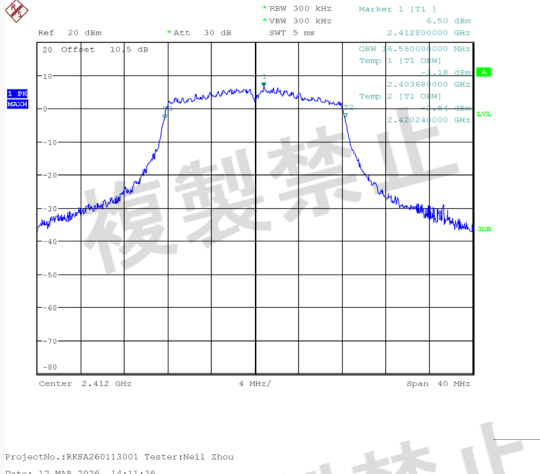
802.11b Mode Middle Channel



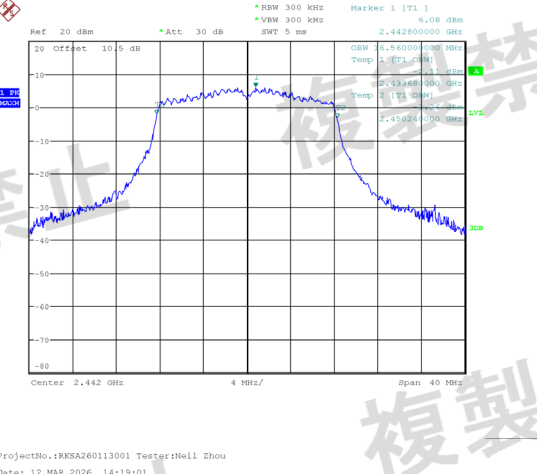
802.11b Mode High Channel



802.11g Mode Low Channel



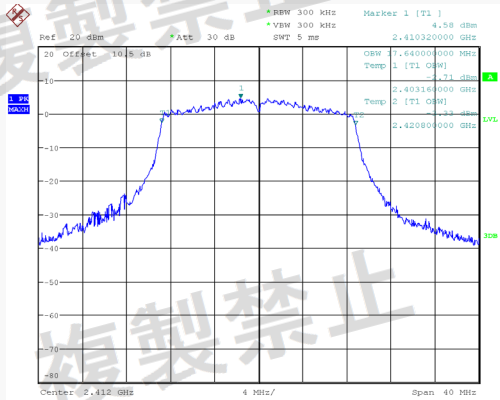
802.11g Mode Middle Channel



802.11g Mode High Channel

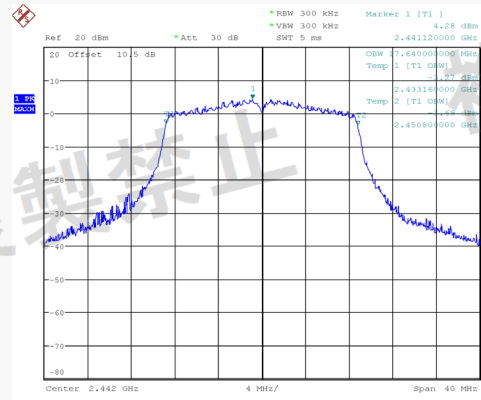


802.11n-HT20 Mode Low Channel



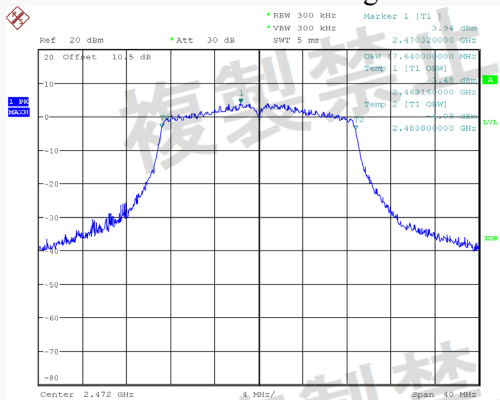
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:46:27

802.11n-HT20 Mode Middle Channel



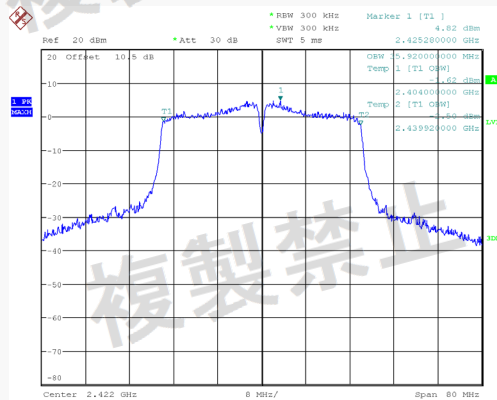
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:15:41

802.11n-HT20 Mode High Channel



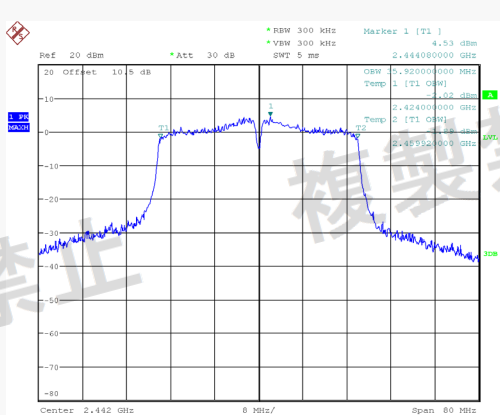
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:20:09

802.11n-HT40 Mode Low Channel



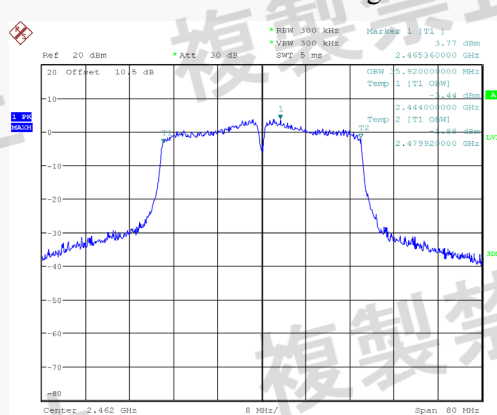
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:31:57

802.11n-HT40 Mode Middle Channel



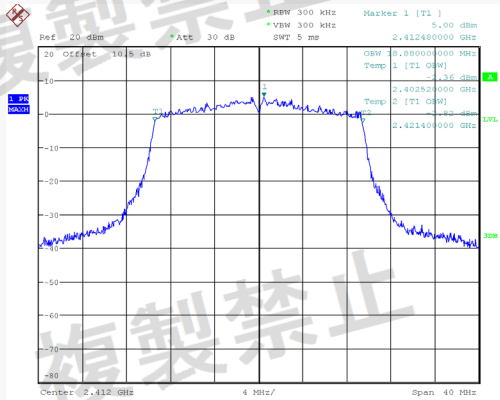
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Date: 12.MAR.2026 15:38:55

802.11n-HT40 Mode High Channel



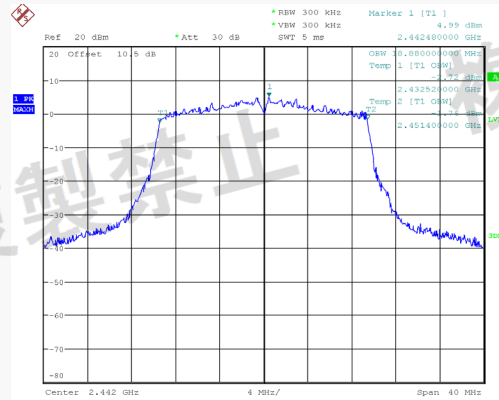
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:44:42

802.11ax-HE20 Mode Low Channel



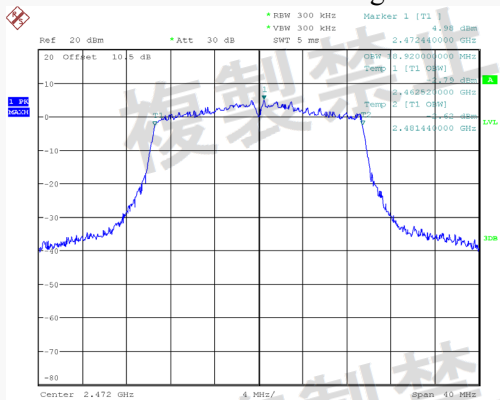
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:37:18

802.11ax-HE20 Mode Middle Channel



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:42:17

802.11ax-HE20 Mode High Channel



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:49:55

TRANSMITTER SPURIOUS EMISSION STRENGTH AND UNWANTED EMISSION INTENSITY

Environmental Conditions & Test Information

Test Date:	2026-03-12
Temperature:	19.5°C
Relative Humidity:	53 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant

Test Mode: Transmitting

Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
802.11b	Low Channel	30MHz~1GHz(100kHz)	126.03	-42.89	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2387	-37.13	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2395.8075	-28.77	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2492.3465	-35.64	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	4822.31375	-35.00	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	217.21	-42.57	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2382.1455	-37.46	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2396.3015	-36.08	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2489.272	-35.19	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	11549.6675	-35.29	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	386.475	-42.76	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2358.5665	-37.50	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2398.492	-36.19	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2483.539	-28.92	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2616.542	-35.70	-26dBm/MHz (2.5μW/MHz)

Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
802.11g	Low Channel	30MHz~1GHz(100kHz)	456.315	-42.52	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2377.9845	-35.68	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2400	-32.65	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2486.022	-35.15	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	11529.6605	-36.53	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	625.58	-42.21	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2359.26	-37.29	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2387.338	-36.16	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2491.7225	-35.47	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2616.542	-36.30	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	96.93	-42.97	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2337.7615	-37.09	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2391.2835	-35.75	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2483.578	-33.98	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2501.50175	-36.16	-26dBm/MHz (2.5μW/MHz)

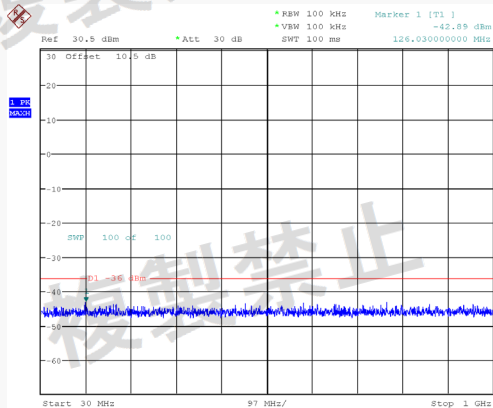
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
802.11n-HT20	Low Channel	30MHz~1GHz(100kHz)	888.935	-42.52	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2386.3065	-36.52	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2399.623	-16.03	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2493.016	-36.54	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2621.54375	-36.25	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	401.51	-42.92	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2355.099	-37.63	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2398.635	-36.25	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2494.5825	-36.05	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2581.52975	-36.21	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	259.405	-43.10	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2353.0185	-37.56	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2392.395	-36.35	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2483.5195	-31.86	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2496.5	-35.07	-26dBm/MHz (2.5μW/MHz)

Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
802.11n-HT40	Low Channel	30MHz~1GHz(100kHz)	211.39	-43.33	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2387	-26.95	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2395.021	-18.01	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2493.757	-33.36	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	3451.83425	-35.35	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	550.405	-42.87	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2379.3715	-36.88	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2399.389	-28.30	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2484.748	-28.83	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2496.5	-35.63	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	693.965	-42.57	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2282.2815	-36.58	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2395.372	-34.38	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2483.5585	-19.74	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2496.5	-29.86	-26dBm/MHz (2.5μW/MHz)

Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm/RBW)	
802.11ax-HE20	Low Channel	30MHz~1GHz(100kHz)	135.73	-42.54	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2387	-37.52	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2399.9935	-17.25	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2490.91	-36.31	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2611.54025	-36.11	-26dBm/MHz (2.5μW/MHz)
	Middle Channel	30MHz~1GHz(100kHz)	919.49	-42.74	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2368.2755	-37.22	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2395.021	-36.76	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2492.015	-35.78	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2571.52625	-36.59	-26dBm/MHz (2.5μW/MHz)
	High Channel	30MHz~1GHz(100kHz)	566.41	-42.56	-36dBm/100kHz (0.25μW/100kHz)
		1GHz~2387MHz(1MHz)	2249.687	-37.82	-26dBm/MHz (2.5μW/MHz)
		2387MHz~2400MHz(1MHz)	2394.8195	-35.91	-16dBm/MHz (25μW/MHz)
		2483.5MHz~2496.5MHz(1MHz)	2483.513	-33.66	-16dBm/MHz (25μW/MHz)
		2496.5MHz~12500MHz(1MHz)	2576.528	-36.49	-26dBm/MHz (2.5μW/MHz)

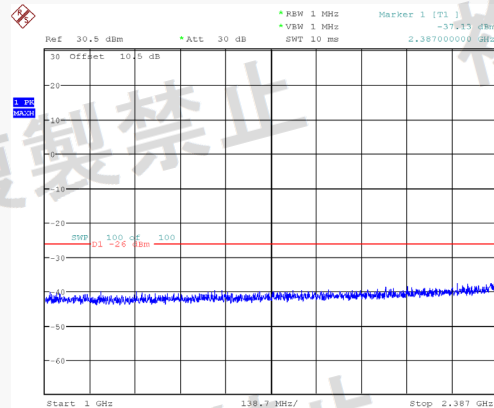
Please refer to the following plots for normal voltage:
802.11b mode

Low Channel 30MHz~1GHz



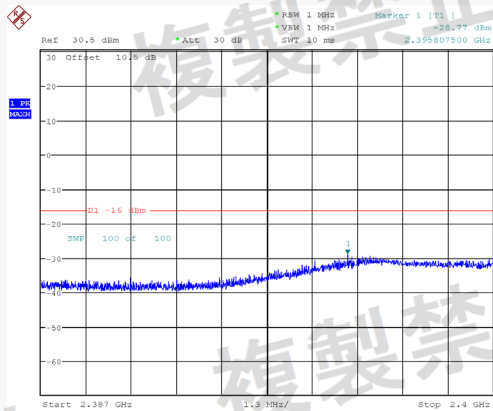
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 13:48:07

Low Channel 1GHz~2387MHz



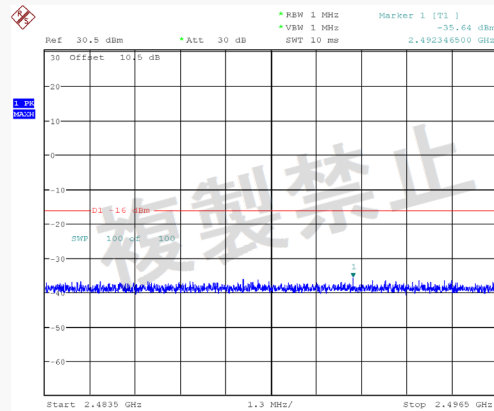
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 13:48:20

Low Channel 2387MHz~2400MHz



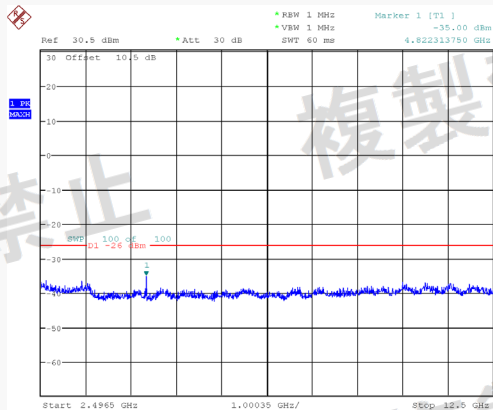
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Date: 12.MAR.2026 13:48:32

Low Channel 2483.5MHz~2496.5MHz



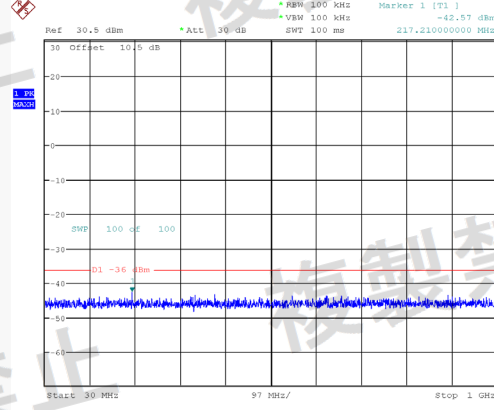
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Date: 12.MAR.2026 13:48:44

Low Channel 2496.5MHz~12500MHz



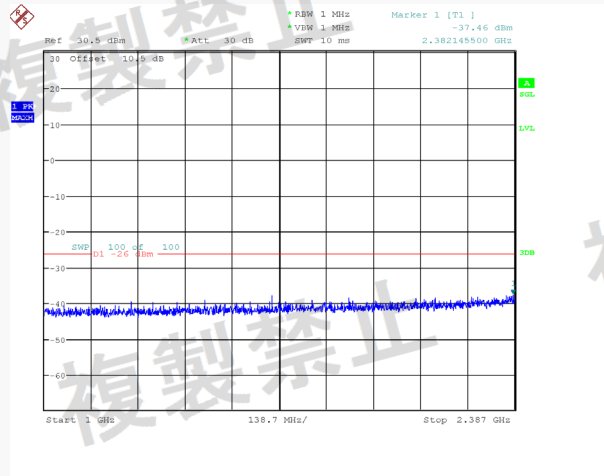
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Date: 12.MAR.2026 13:49:13

Middle Channel 30MHz~1GHz



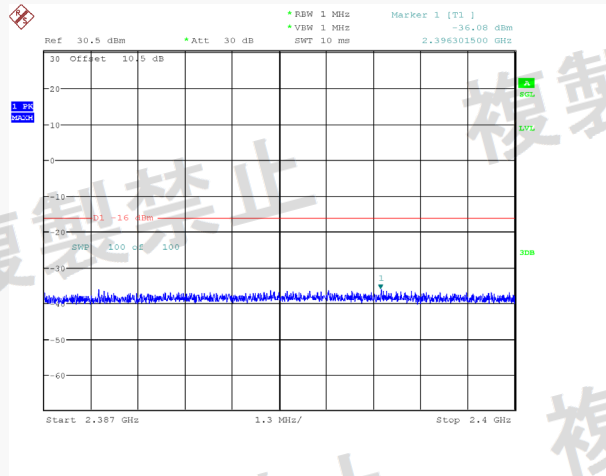
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Middle Channel 1GHz~2387MHz



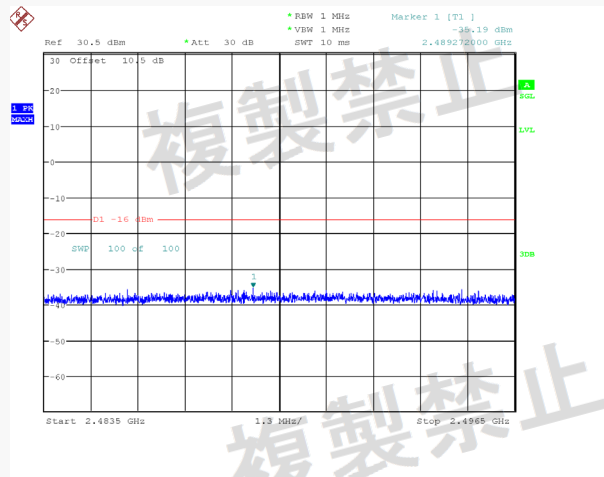
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Middle Channel 2387MHz~2400MHz



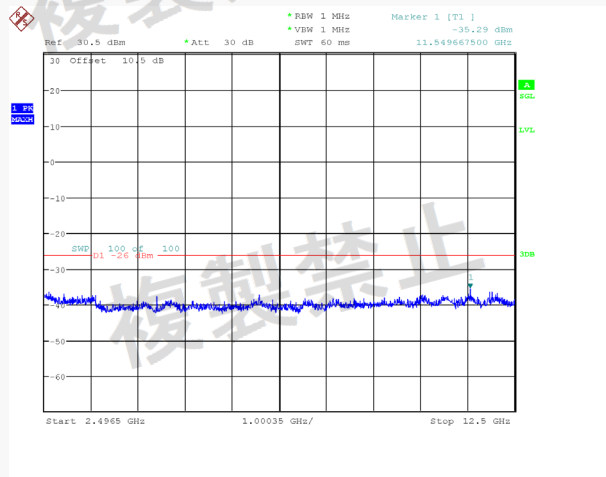
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Middle Channel 2483.5MHz~2496.5MHz



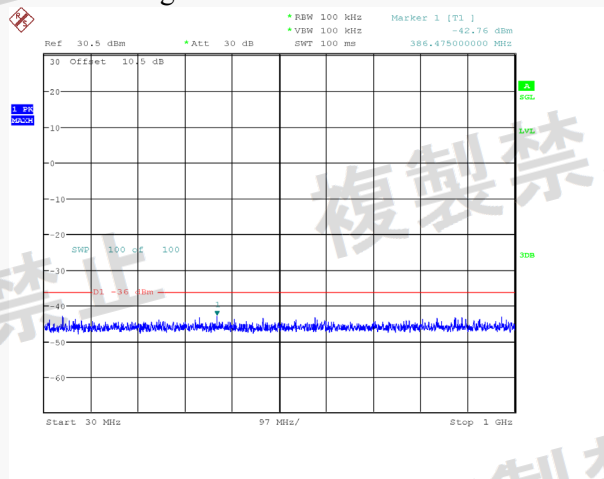
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Middle Channel 2496.5MHz~12500MHz



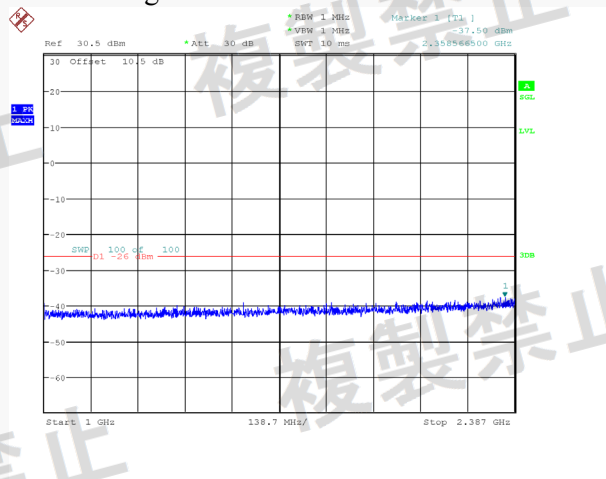
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High Channel 30MHz~1GHz



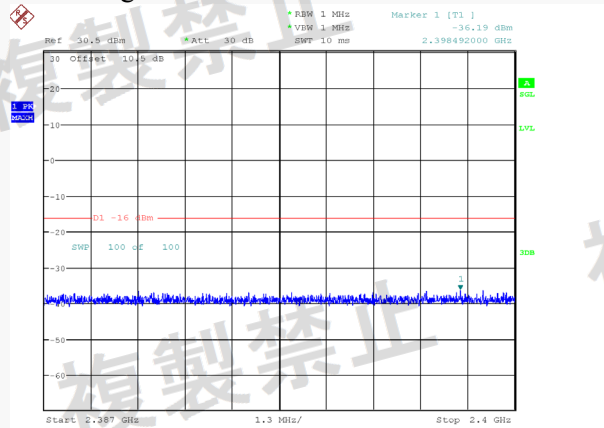
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Date: 12.MAR.2026 14:00:06

High Channel 1GHz~2387MHz



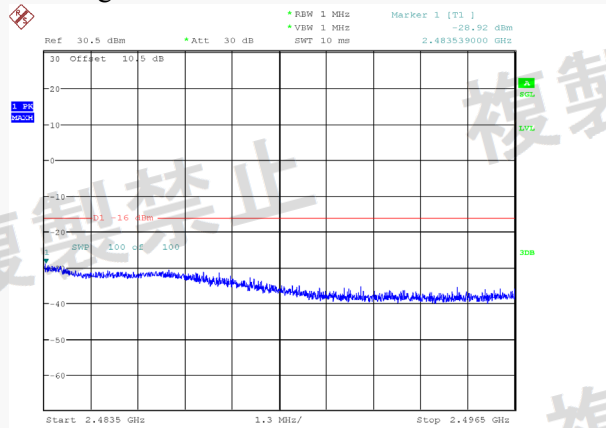
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High Channel 2387MHz~2400MHz



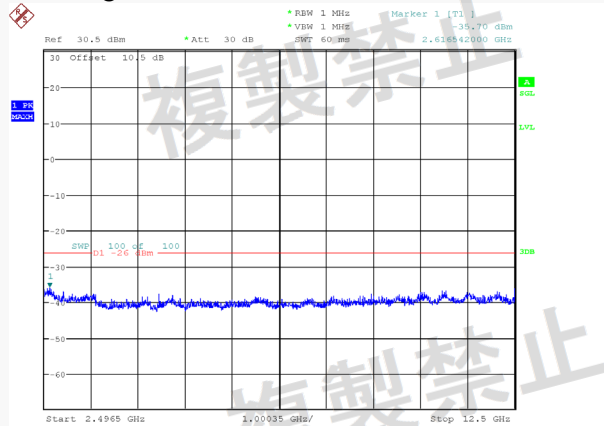
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High Channel 2483.5MHz~2496.5MHz



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:00:46

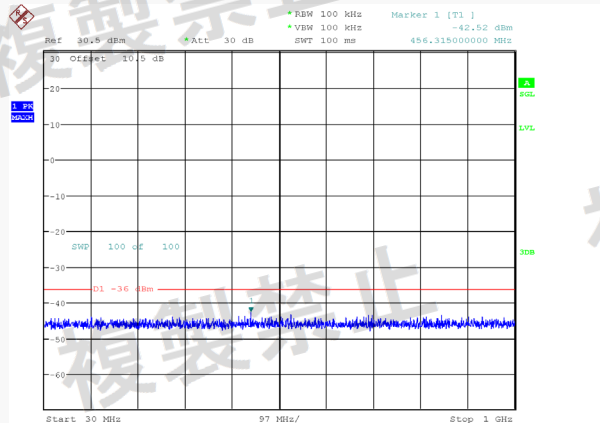
High Channel 2496.5MHz~12500MHz



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:01:16

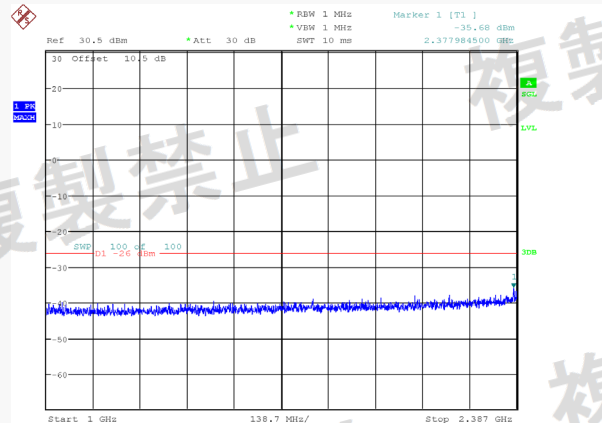
802.11g mode

Low Channel 30MHz~1GHz



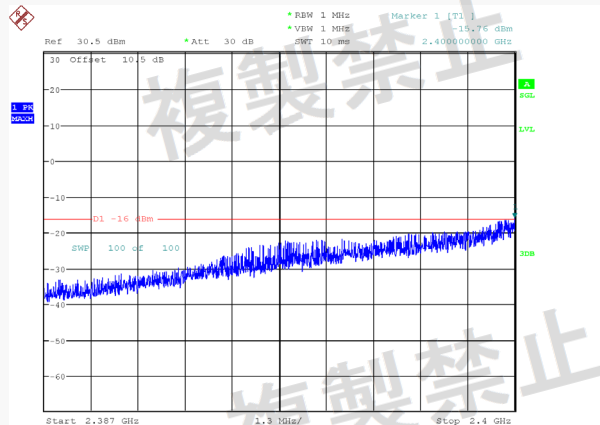
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Low Channel 1GHz~2387MHz



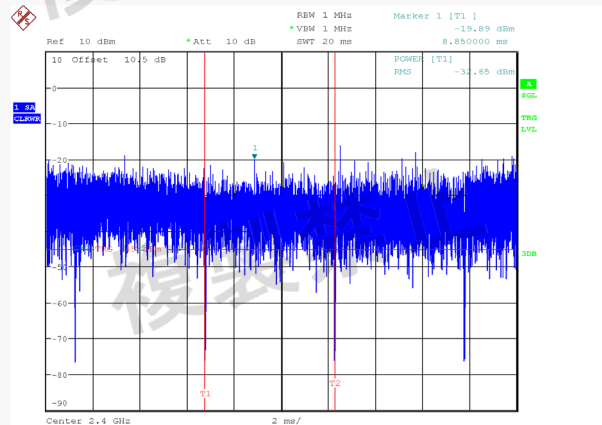
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Date: 12.MAR.2026 14:12:09

Low Channel 2387MHz~2400MHz



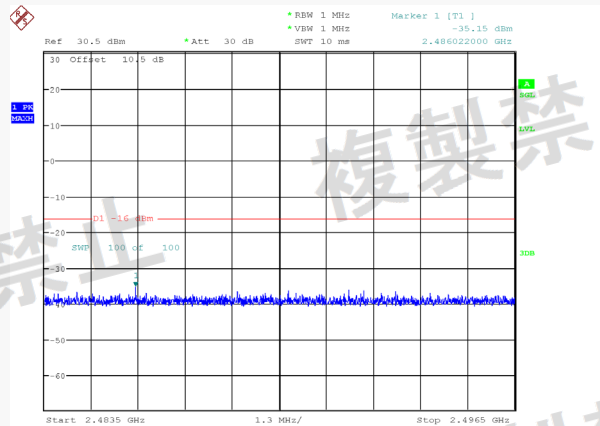
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Date: 12.MAR.2026 14:12:22

Low Channel 2387MHz~2400MHz



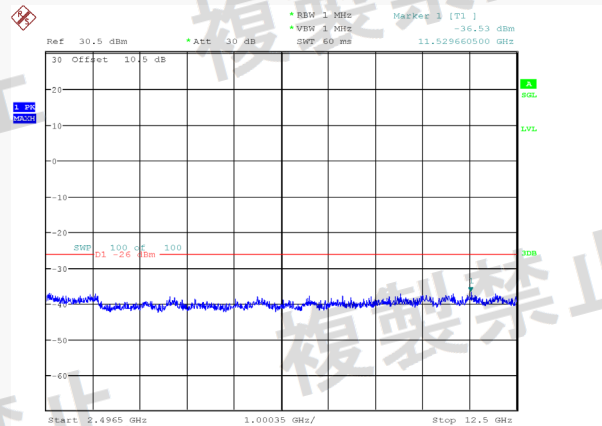
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Low Channel 2483.5MHz~2496.5MHz



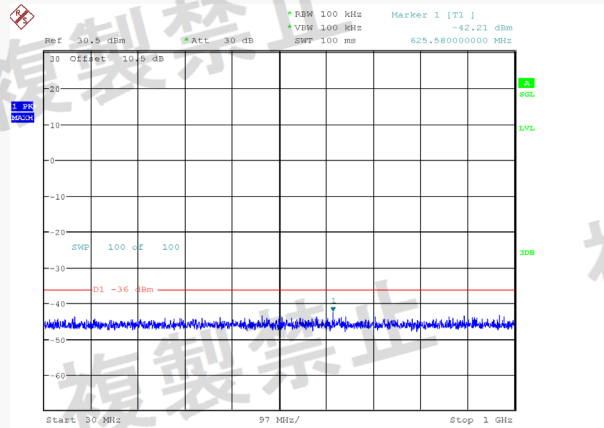
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Low Channel 2496.5MHz~12500MHz



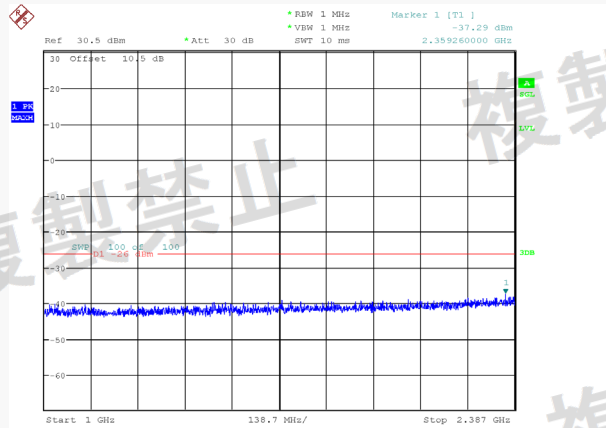
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Date: 12.MAR.2026 14:14:43

Middle Channel 30MHz~1GHz



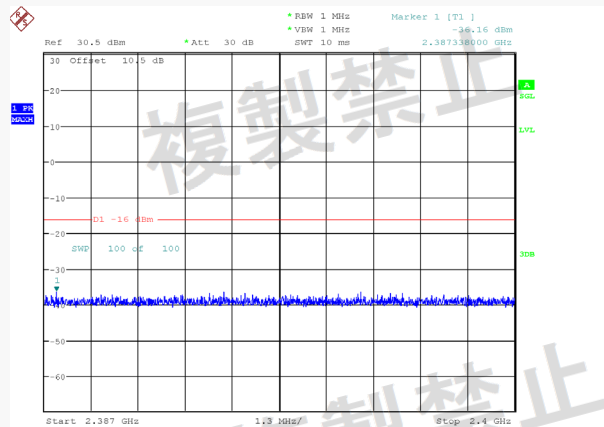
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Middle Channel 1GHz~2387MHz



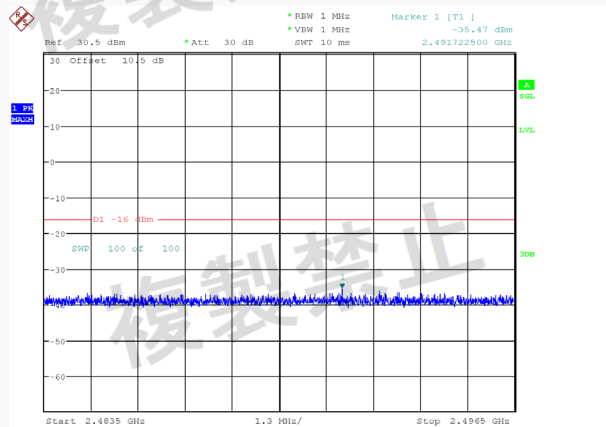
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Middle Channel 2387MHz~2400MHz



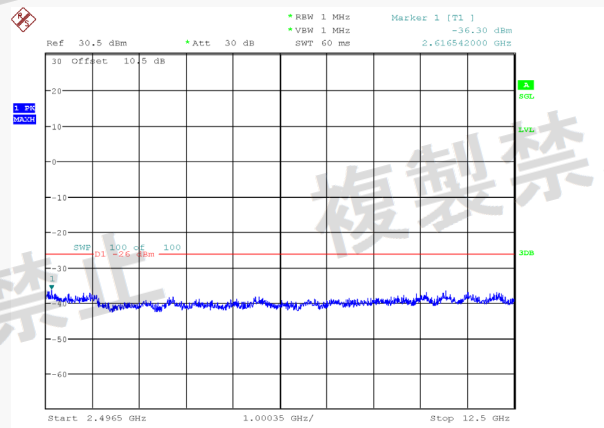
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Middle Channel 2483.5MHz~2496.5MHz



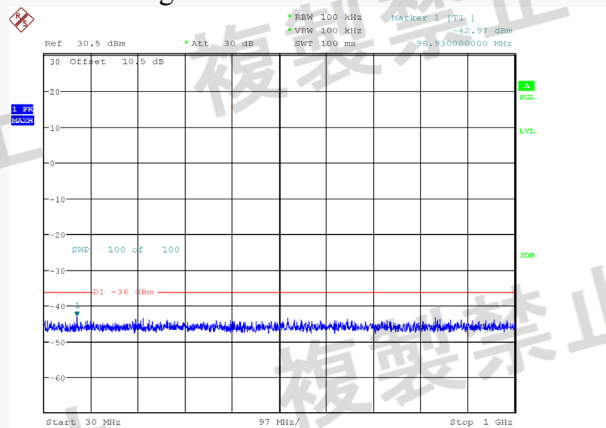
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Middle Channel 2496.5MHz~12500MHz



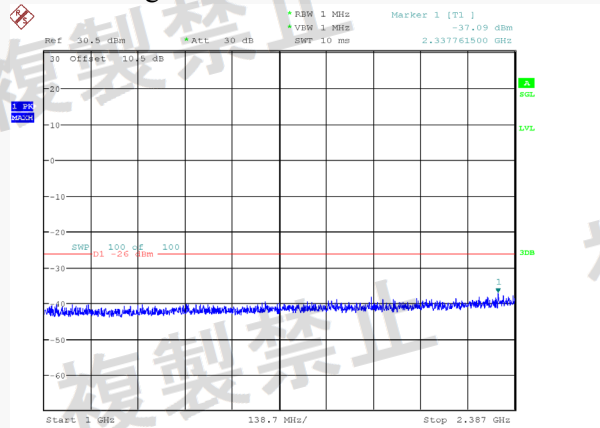
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High Channel 30MHz~1GHz



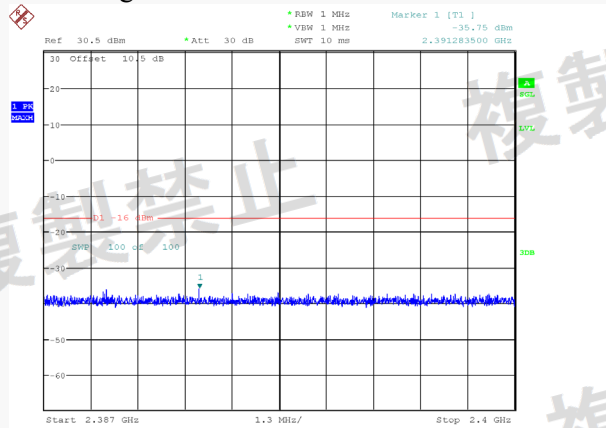
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High Channel 1GHz~2387MHz



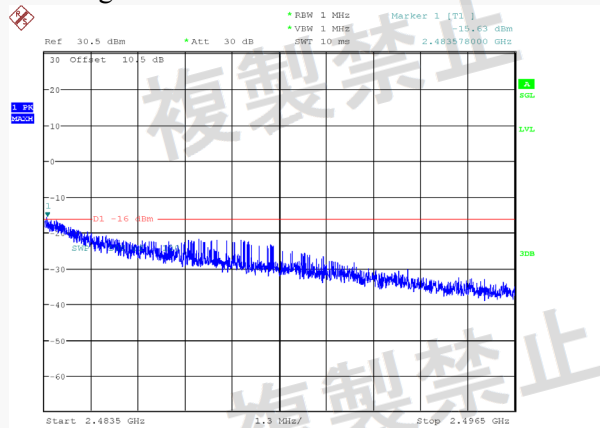
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High Channel 2387MHz~2400MHz



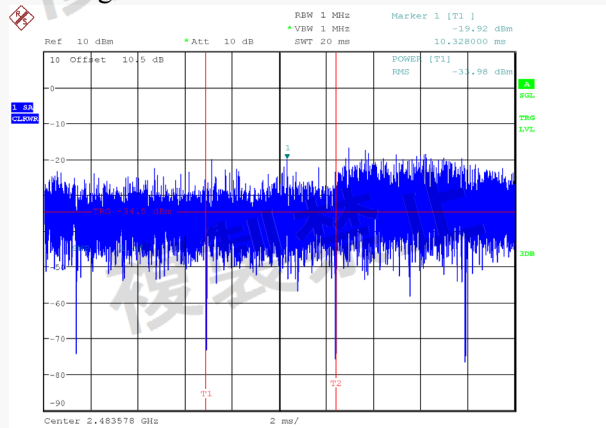
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Date: 12.MAR.2026 14:28:32

High Channel 2483.5MHz~2496.5MHz



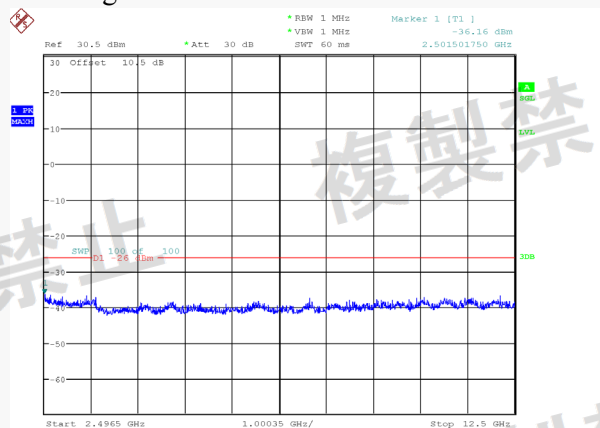
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:28:44

High Channel 2483.5MHz~2496.5MHz



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:31:14

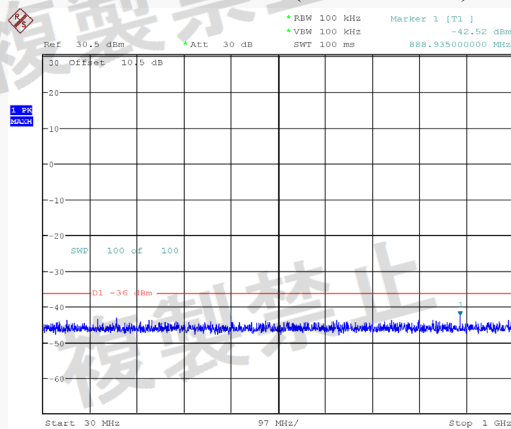
High Channel 2496.5MHz~12500MHz



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:31:45

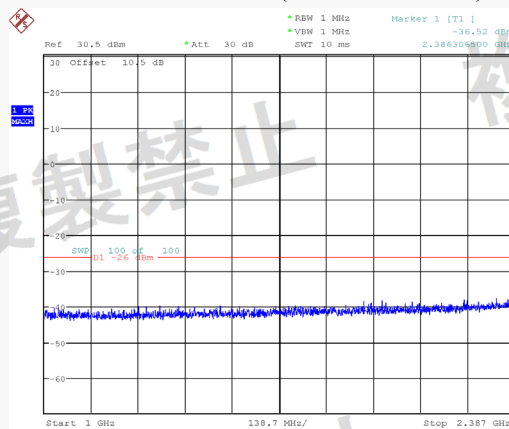
802.11n-HT20

Low Channel(30MHz~1GHz)



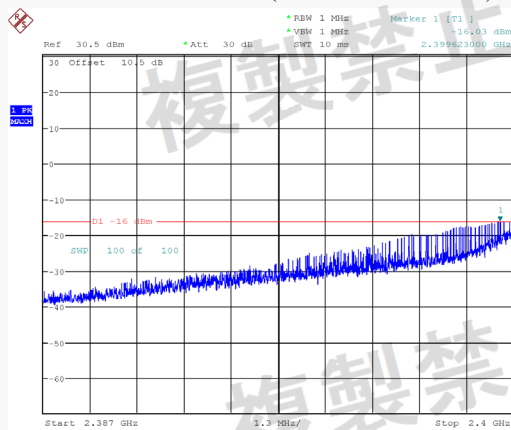
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:46:46

Low Channel(1GHz~2.387GHz)



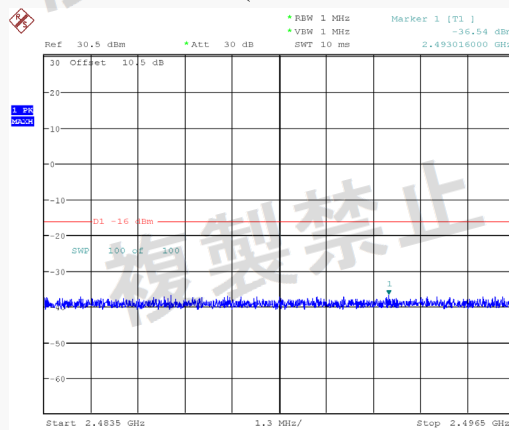
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:47:01

Low Channel(2.387GHz~2.4GHz)



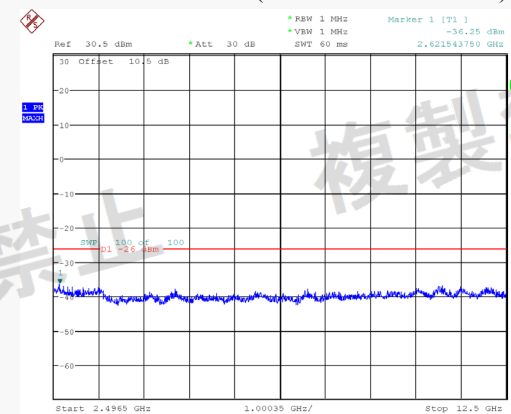
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:47:13

Low Channel(2.4835GHz~2.4965GHz)



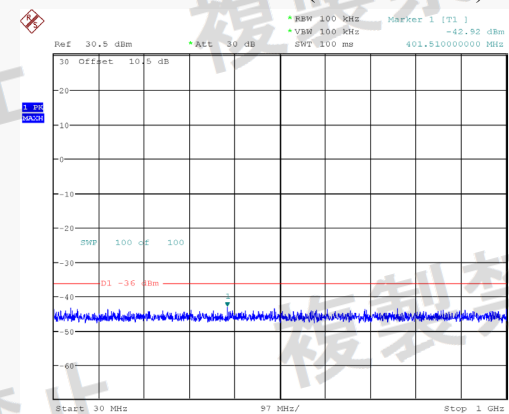
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:47:26

Low Channel(2.4965GHz~12.5GHz)



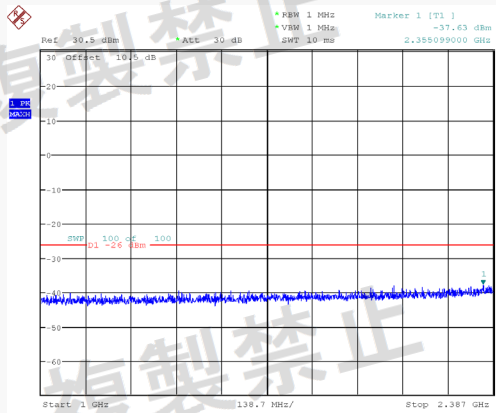
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:47:56

Middle Channel(30MHz~1GHz)



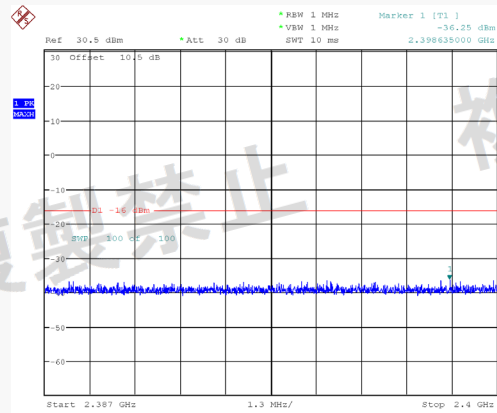
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:16:00

Middle Channel(1GHz~2.387GHz)



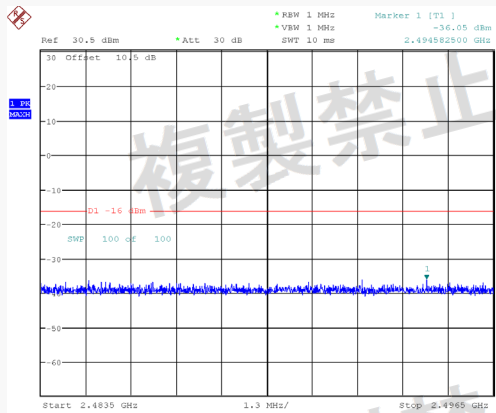
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:16:14

Middle Channel(2.387GHz~2.4GHz)



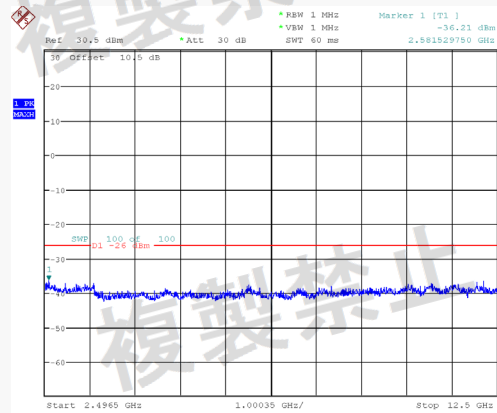
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:16:27

Middle Channel(2.4835GHz~2.4965GHz)



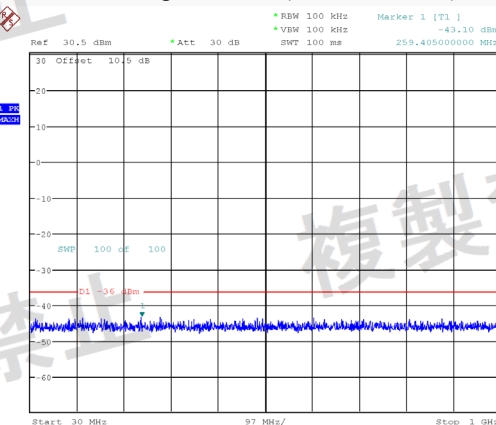
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:16:39

Middle Channel(2.4965GHz~12.5GHz)



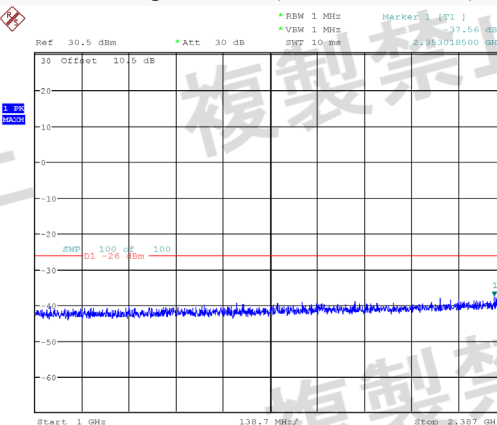
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:17:09

High Channel(30MHz~1GHz)



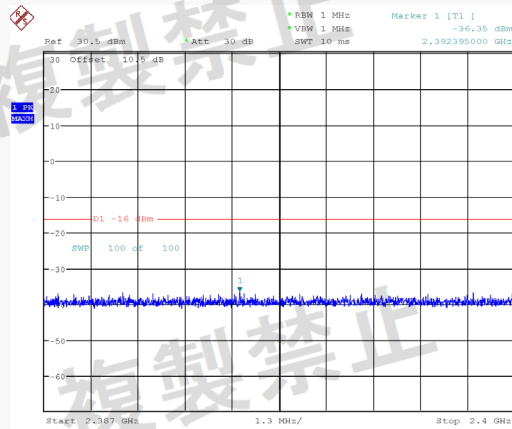
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:20:27

High Channel(1GHz~2.387GHz)



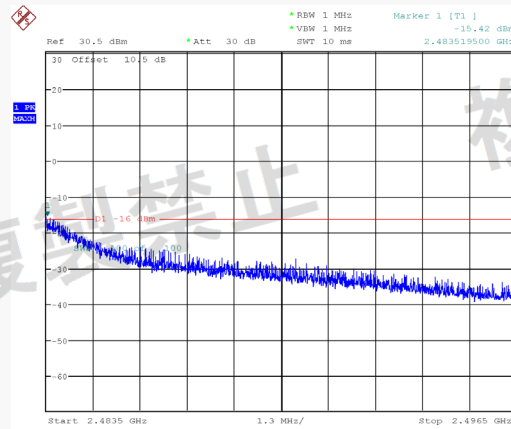
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:20:42

High Channel(2.387GHz~2.4GHz)



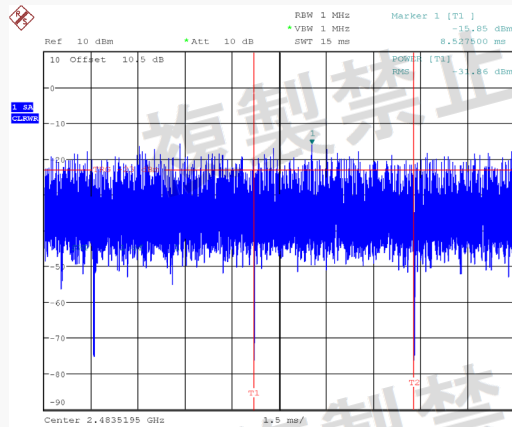
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:20:54

High Channel(2.4835GHz~2.4965GHz)



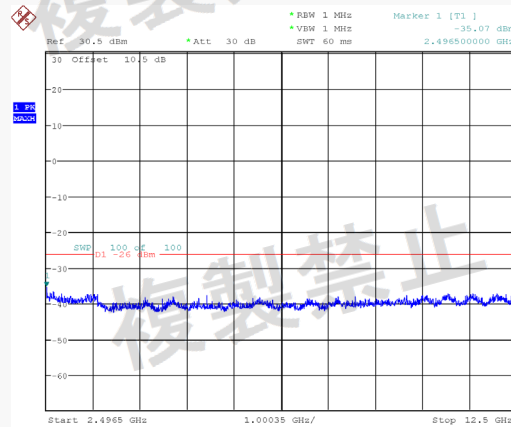
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:21:06

High Channel(2.4835GHz~2.4965GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:23:55

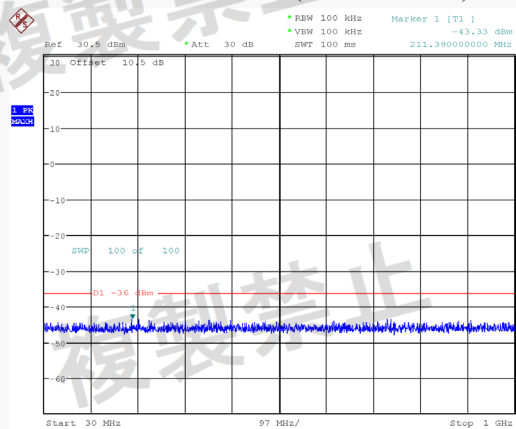
High Channel(2.4965GHz~12.5GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:24:25

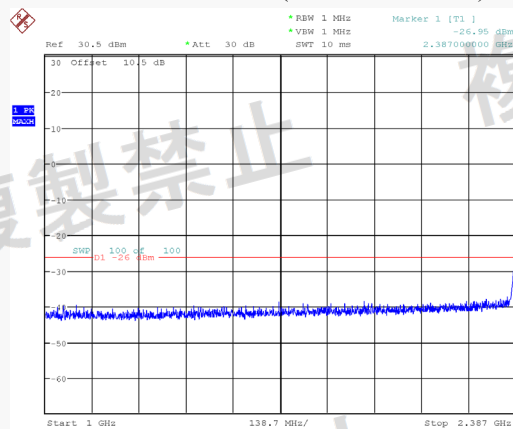
802.11n-HT40

Low Channel(30MHz~1GHz)



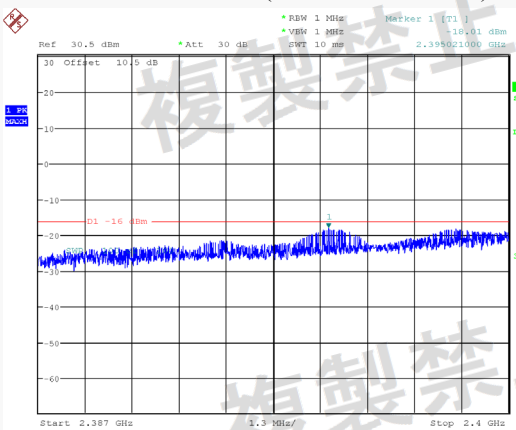
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:32:15

Low Channel(1GHz~2.387GHz)



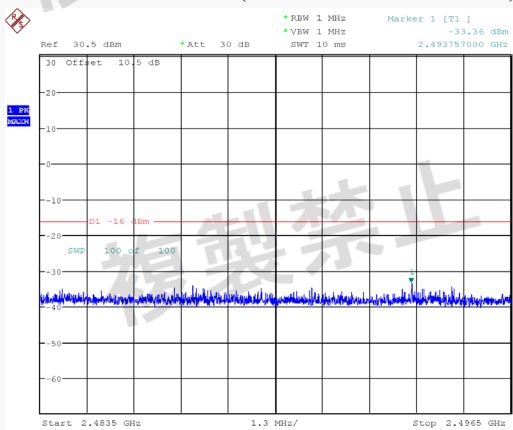
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:32:30

Low Channel(2.387GHz~2.4GHz)



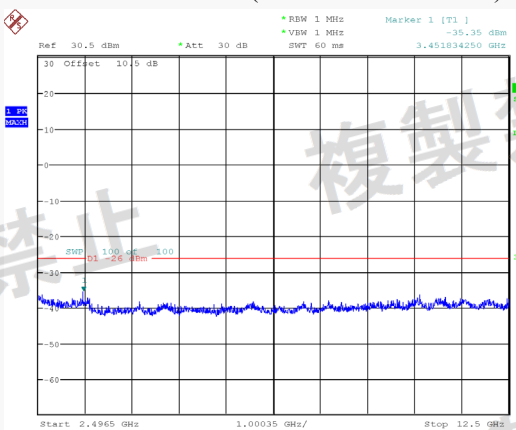
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:32:42

Low Channel(2.4835GHz~2.4965GHz)



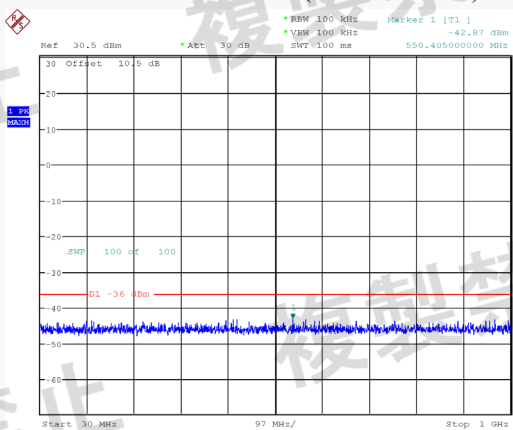
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Date: 12.MAR.2026 15:32:55

Low Channel(2.4965GHz~12.5GHz)



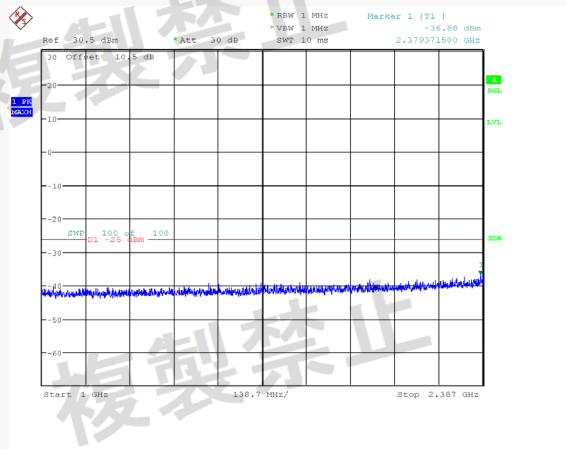
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:33:25

Middle Channel(30MHz~1GHz)



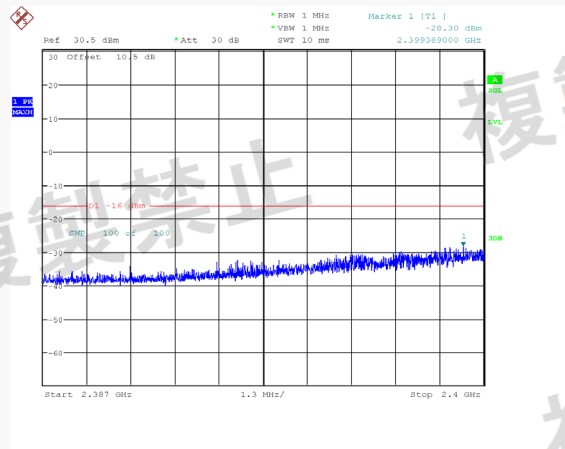
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:39:14

Middle Channel(1GHz~2.387GHz)



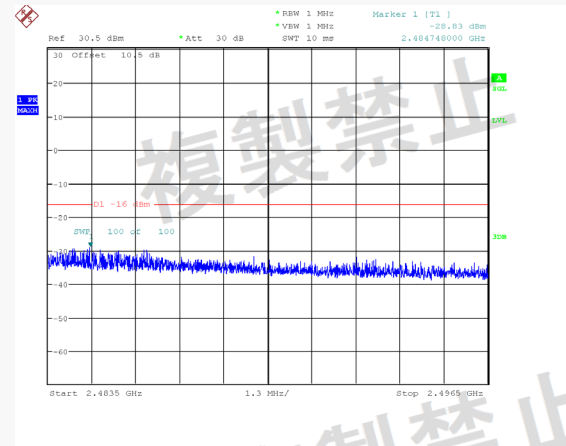
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:39:28

Middle Channel(2.387GHz~2.4GHz)



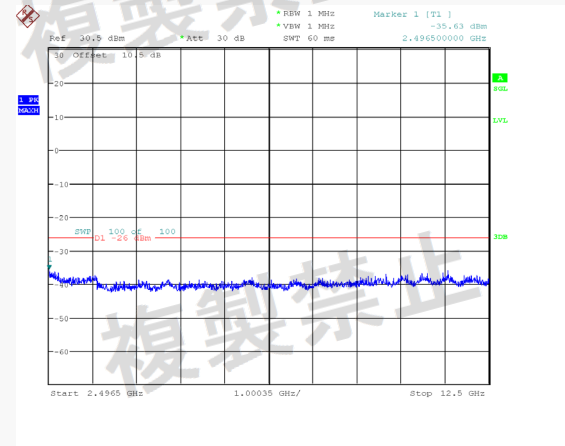
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:39:41

Middle Channel(2.4835GHz~2.4965GHz)



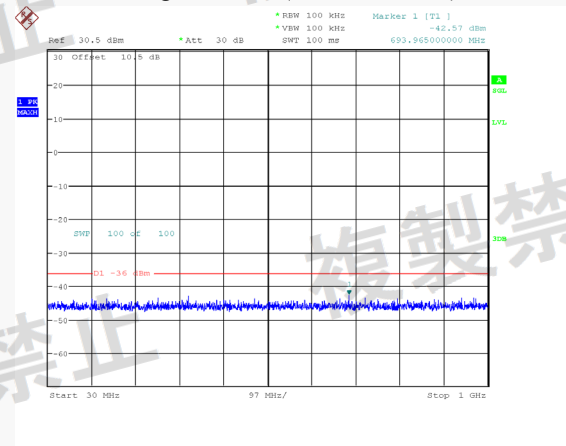
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:39:53

Middle Channel(2.4965GHz~12.5GHz)



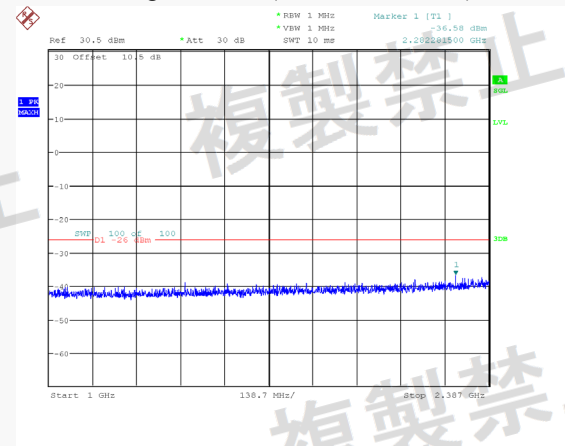
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:40:23

High Channel(30MHz~1GHz)



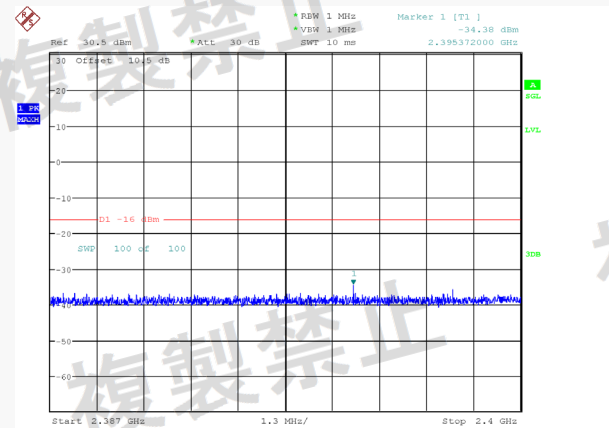
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:45:01

High Channel(1GHz~2.387GHz)



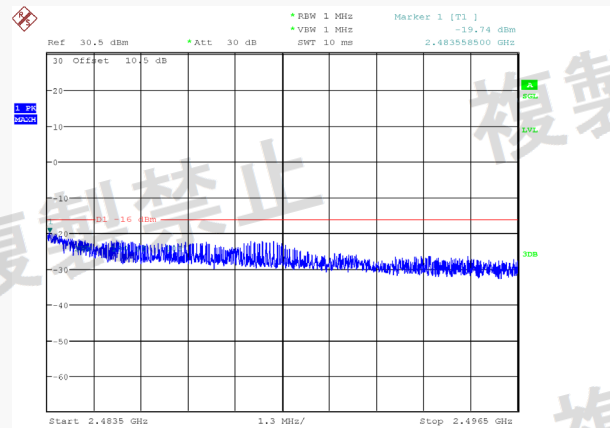
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:45:16

High Channel(2.387GHz~2.4GHz)



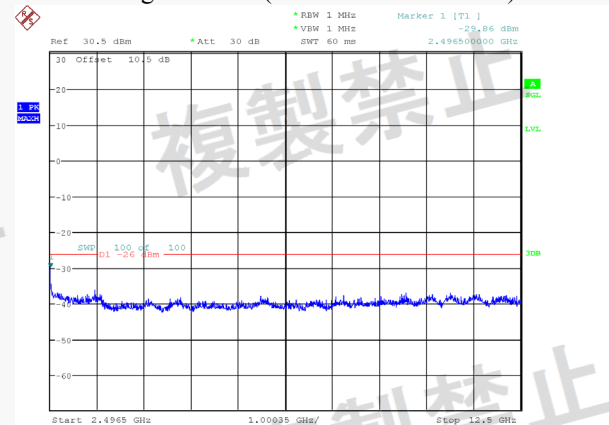
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:45:28

High Channel(2.4835GHz~2.4965GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:45:10

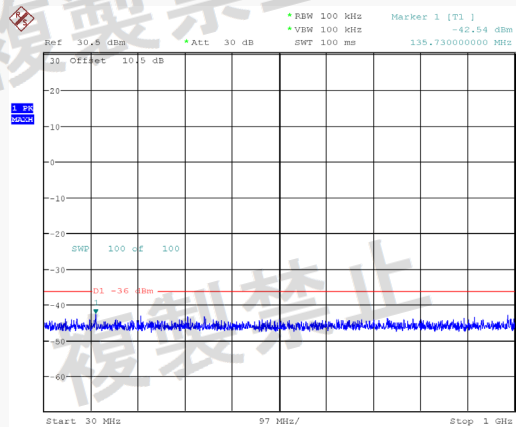
High Channel(2.4965GHz~12.5GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:46:11

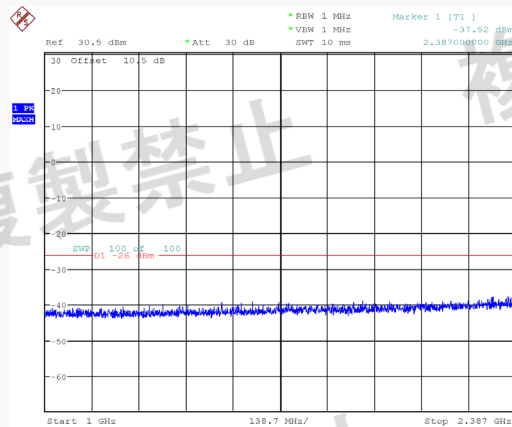
802.11ax-HE20

Low Channel(30MHz~1GHz)



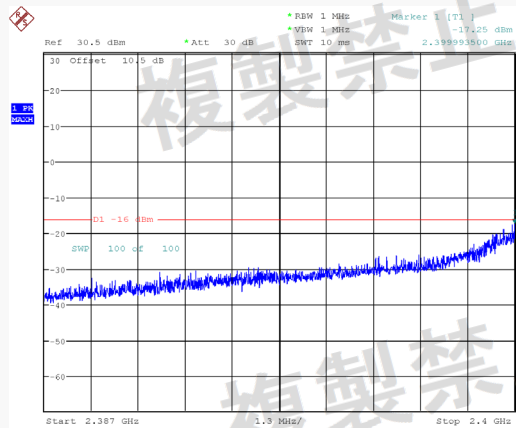
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:37:37

Low Channel(1GHz~2.387GHz)



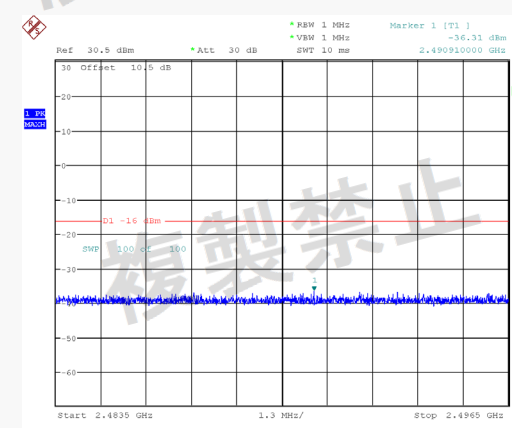
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:37:51

Low Channel(2.387GHz~2.4GHz)



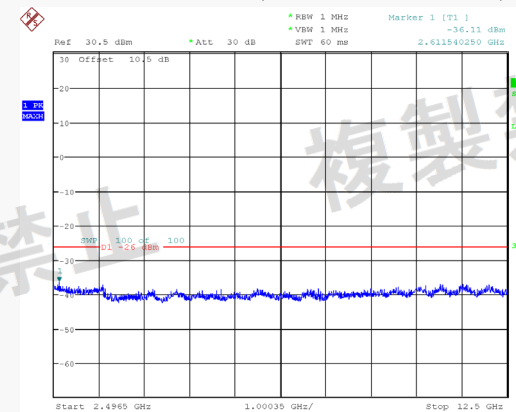
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:38:04

Low Channel(2.4835GHz~2.4965GHz)



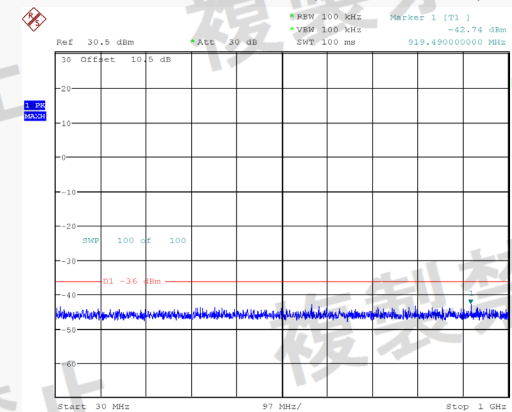
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:38:15

Low Channel(2.4965GHz~12.5GHz)



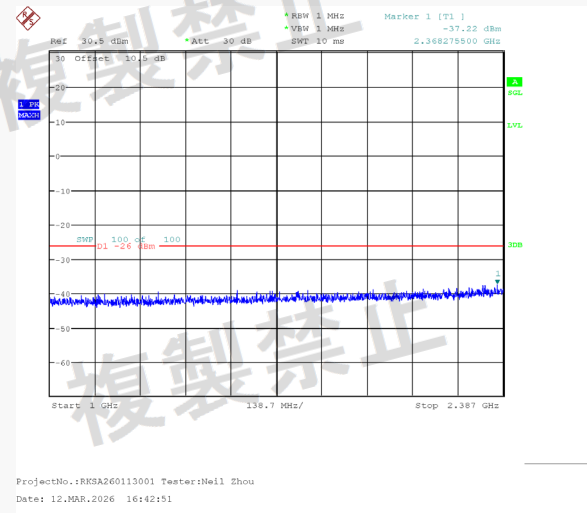
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:38:45

Middle Channel(30MHz~1GHz)

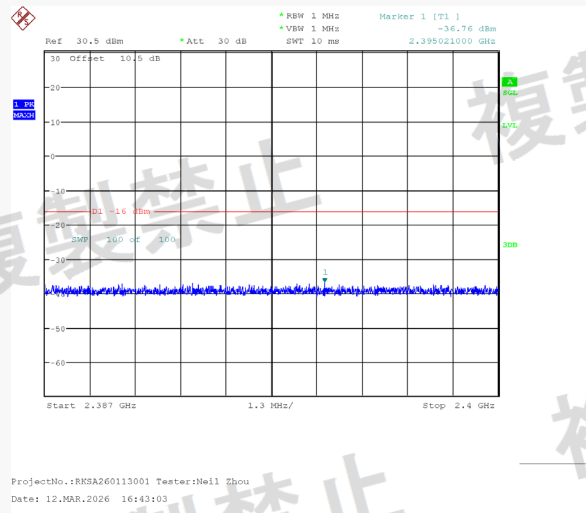


ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:42:36

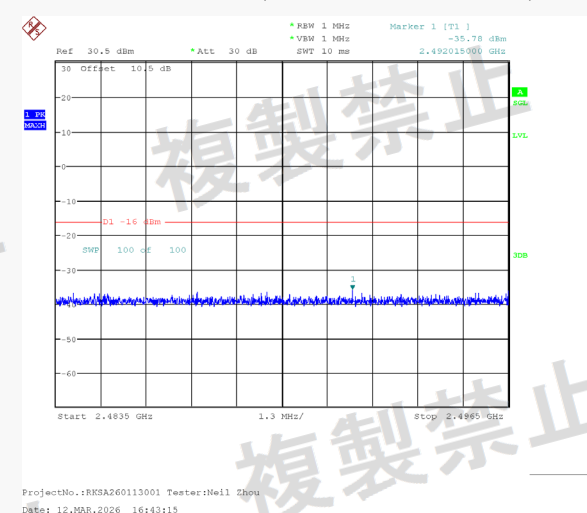
Middle Channel(1GHz~2.387GHz)



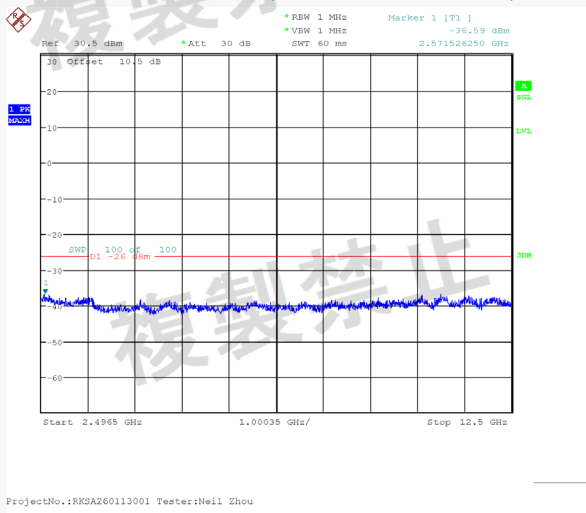
Middle Channel(2.387GHz~2.4GHz)



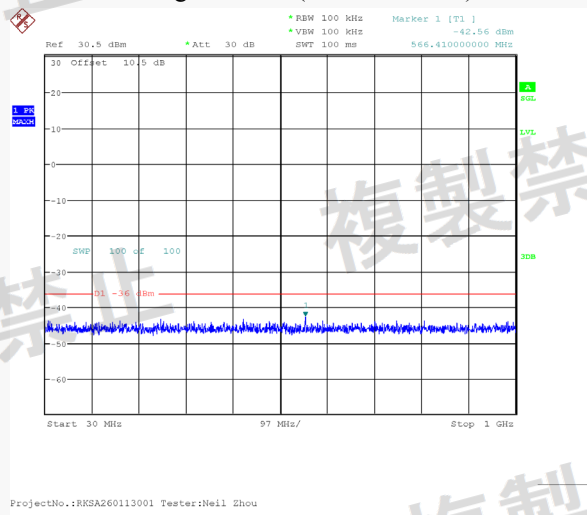
Middle Channel(2.4835GHz~2.4965GHz)



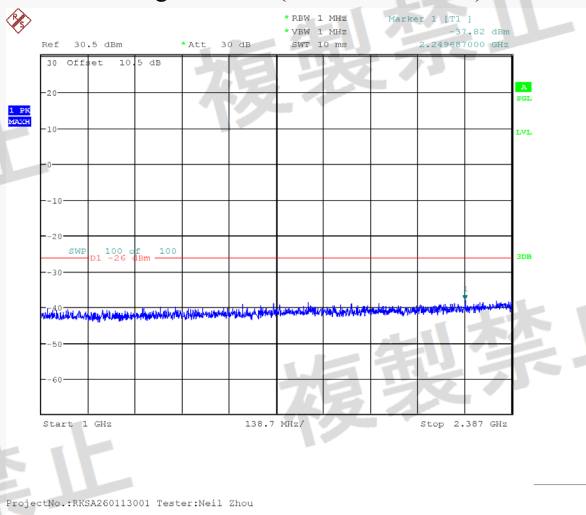
Middle Channel(2.4965GHz~12.5GHz)



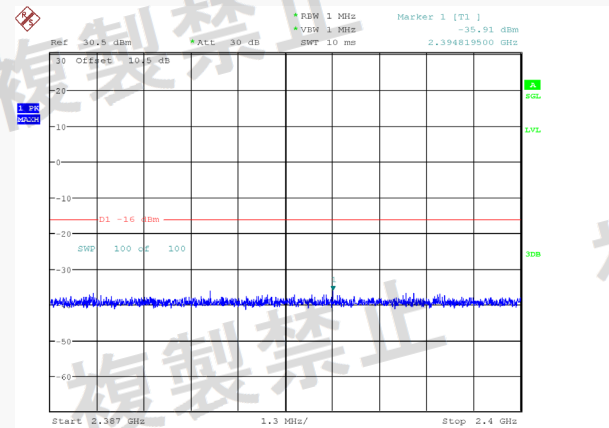
High Channel(30MHz~1GHz)



High Channel(1GHz~2.387GHz)

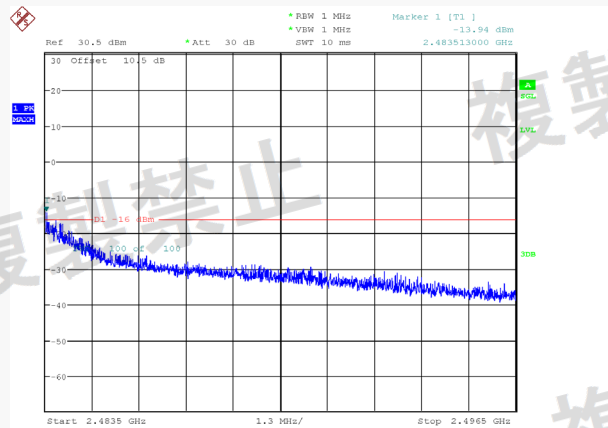


High Channel(2.387GHz~2.4GHz)



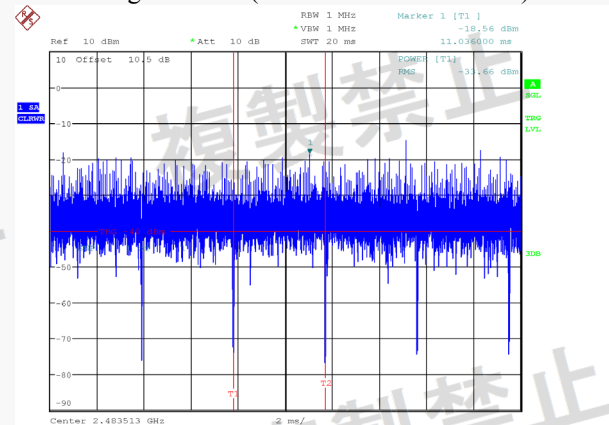
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:50:41

High Channel(2.4835GHz~2.4965GHz)



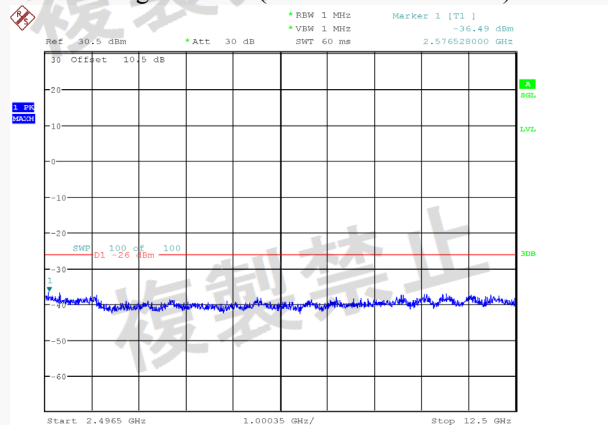
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:50:53

High Channel(2.4835GHz~2.4965GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:52:00

High Channel(2.4965GHz~12.5GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:52:11

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

Test Date:	2026-03-12
Temperature:	19.5°C
Relative Humidity:	53 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant

Note: The EUT is equipped with three types of antennas: model FX-2.4G-5G-2DB-SMA-J, 79300036, and 79300037. The EIRP is calculated using the maximum antenna gain of 2.1 dBi (model FX-2.4G-5G-2DB-SMA-J).

Test Mode: Transmitting

Frequency (MHz)	Low Channel	Middle Channel	High Middle	Limit
802.11b Mode				
Antenna Output Power (dBm/MHz)	7.05	6.68	6.66	10dBm/MHz
EIRP (dBm/MHz)	9.15	8.78	8.76	12.14dBm/MHz
Declared Power (mW/MHz)	5.50	5.50	5.50	/
Antenna Output Power (mW/MHz)	5.070	4.656	4.634	10mW/MHz
Antenna Output Power Tolerance (%)	-7.82	-15.35	-15.75	+20%
802.11g Mode				
Antenna Output Power (dBm/MHz)	2.07	2.32	1.94	10dBm/MHz
EIRP (dBm/MHz)	4.17	4.42	4.04	12.14dBm/MHz
Declared Power (mW/MHz)	2.00	2.00	2.00	/
Antenna Output Power (mW/MHz)	1.611	1.706	1.563	10mW/MHz
Antenna Output Power Tolerance (%)	-19.45	-14.70	-21.85	+20%
802.11n-HT20 Mode				
Antenna Output Power (dBm/MHz)	1.63	1.89	1.40	10dBm/MHz
EIRP (dBm/MHz)	3.73	3.99	3.50	12.14dBm/MHz
Declared Power (mW/MHz)	2.00	2.00	2.00	/
Antenna Output Power (mW/MHz)	1.455	1.545	1.380	10mW/MHz
Antenna Output Power Tolerance (%)	-27.25	-22.75	-31.00	+20%

Frequency (MHz)	Low Channel	Middle Channel	High Middle	Limit
802.11n-HT40 Mode				
Antenna Output Power (dBm/MHz)	1.57	1.45	1.17	6.99dBm/MHz
EIRP (dBm/MHz)	3.67	3.55	3.27	9.13dBm/MHz
Declared Power (mW/MHz)	1.50	1.50	1.50	/
Antenna Output Power (mW/MHz)	1.435	1.396	1.309	5mW/MHz
Antenna Output Power Tolerance (%)	-4.33	-6.93	-12.73	+20%
802.11ax-HE20 Mode				
Antenna Output Power (dBm/MHz)	0.58	0.53	0.33	10dBm/MHz
EIRP (dBm/MHz)	2.68	2.63	2.43	12.14dBm/MHz
Declared Power (mW/MHz)	1.50	1.50	1.50	/
Antenna Output Power (mW/MHz)	1.143	1.130	1.079	10mW/MHz
Antenna Output Power Tolerance (%)	-23.80	-24.67	-28.07	+20%

Note:

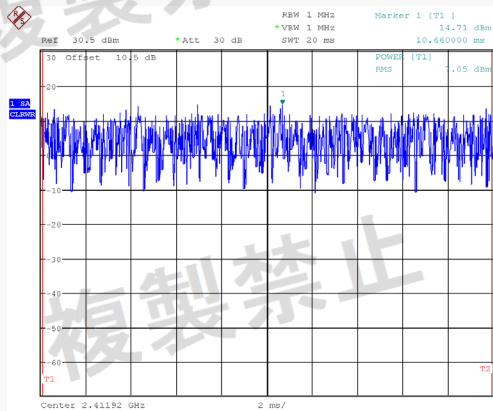
Antenna output power(mW/MHz)= $10^{[\text{Antenna output power(dBm/MHz)} / 10]}$

Antenna output power tolerance(%) = (Antenna output power - Declared power) / Declared power * 100

EIRP(dBm/MHz) = Antenna output power(dBm/MHz) + Antenna gain.

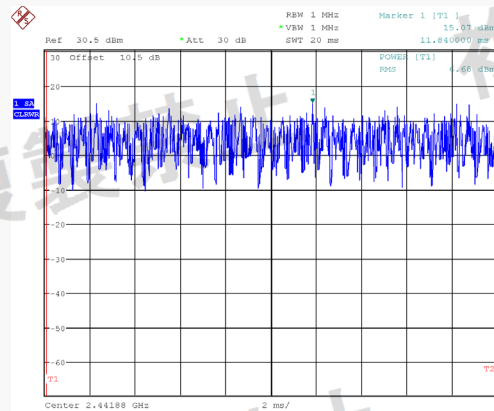
ANTENNA OUTPUT POWER:

802.11b, Low Channel



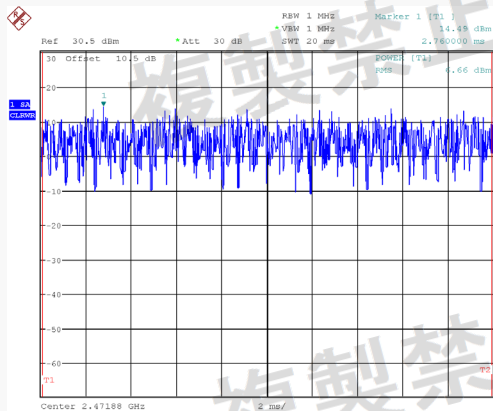
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 13:46:58

802.11b, Middle Channel



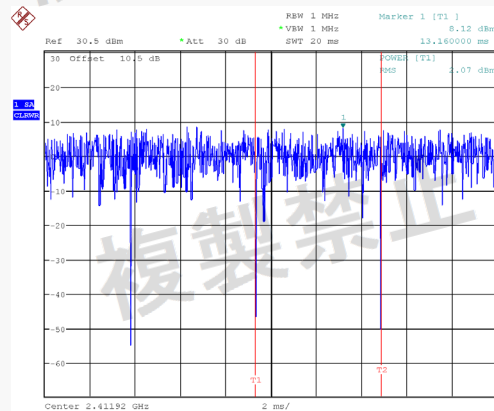
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 13:53:14

802.11b, High Channel



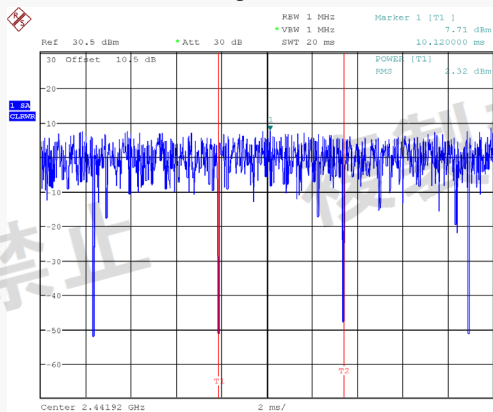
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 13:59:11

802.11g, Low Channel



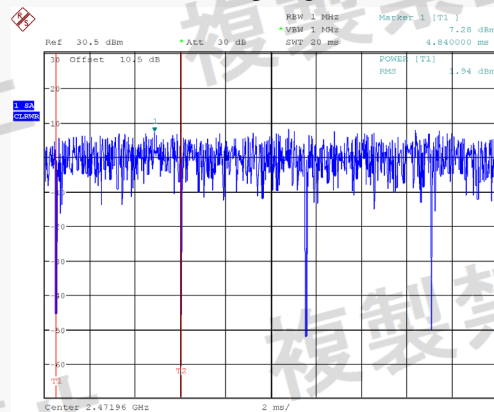
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:34:54

802.11g, Middle Channel



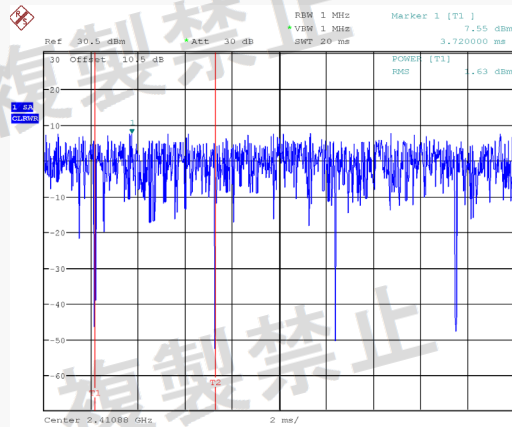
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:18:20

802.11g, High Channel



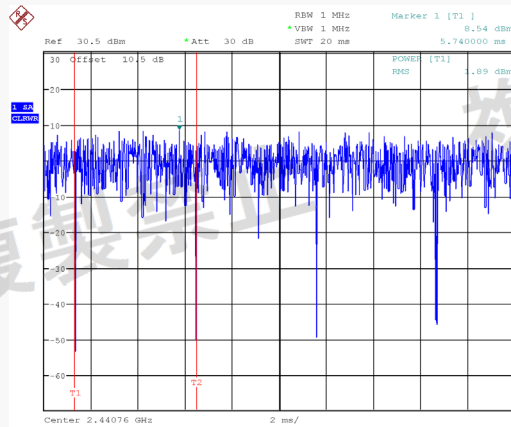
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:27:09

802.11n20, Low Channel



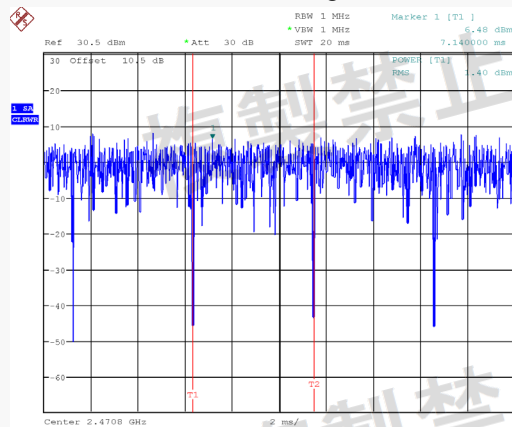
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 14:45:34

802.11n20, Middle Channel



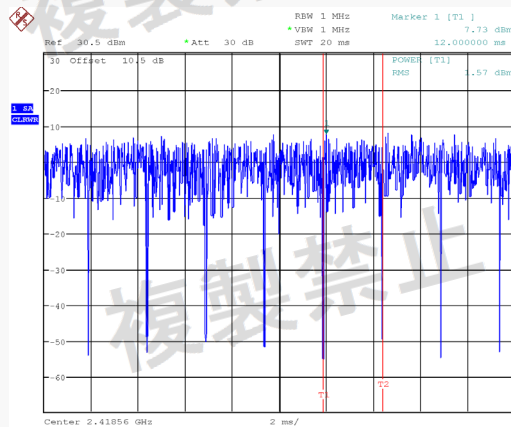
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:15:16

802.11n20, High Channel



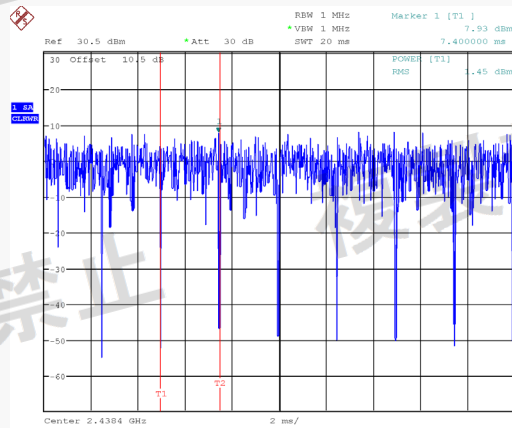
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:19:39

802.11n40, Low Channel



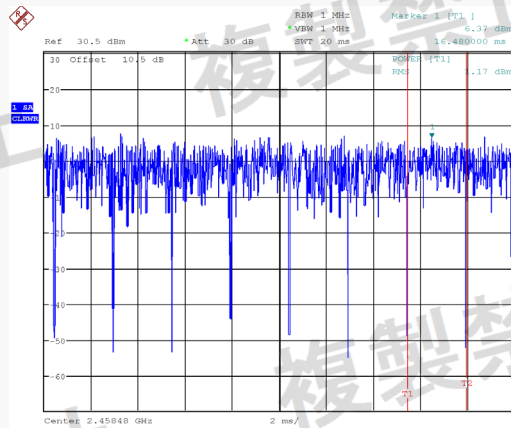
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:31:27

802.11n40, Middle Channel



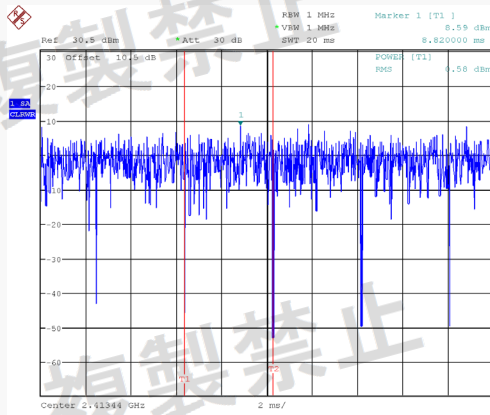
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:38:25

802.11n40, High Channel

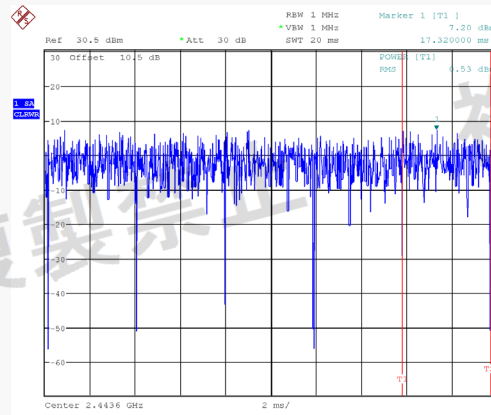


ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 15:44:15

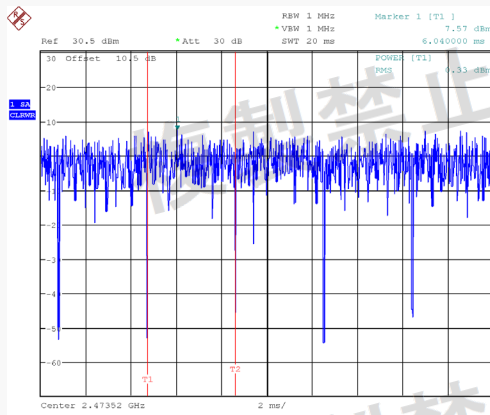
802.11ax20, Low Channel



802.11ax20, Middle Channel



802.11ax20, High Channel



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

Test Date:	2026-03-12
Temperature:	19.5℃
Relative Humidity:	53 %
ATM Pressure:	102.4 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant*Test Mode: Receiving*

Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
802.11b	Low Channel	30MHz~1GHz(100kHz)	905.0855	-63.56	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	5186	-54.66	-47dBm (20nW)
	Middle Channel	30MHz~1GHz(100kHz)	904.9885	-62.82	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	5184.85	-52.47	-47dBm (20nW)
	High Channel	30MHz~1GHz(100kHz)	890.099	-64.29	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	5184.275	-54.82	-47dBm (20nW)

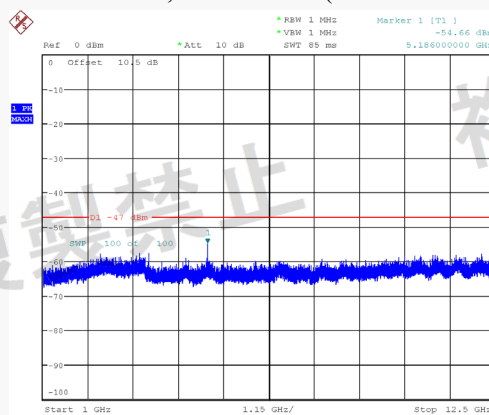
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
802.11g	Low Channel	30MHz~1GHz(100kHz)	833.5965	-65.60	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	5172.775	-54.31	-47dBm (20nW)
	Middle Channel	30MHz~1GHz(100kHz)	833.548	-63.80	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	11055.025	-57.81	-47dBm (20nW)
	High Channel	30MHz~1GHz(100kHz)	719.961	-65.81	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	11504.1	-57.28	-47dBm (20nW)

Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
802.11n20	Low Channel	30MHz~1GHz(100kHz)	704.2955	-65.00	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	3692.725	-55.95	-47dBm (20nW)
	Middle Channel	30MHz~1GHz(100kHz)	757.5485	-65.67	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	5184.275	-53.80	-47dBm (20nW)
	High Channel	30MHz~1GHz(100kHz)	182.7265	-66.10	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	2457.625	-56.40	-47dBm (20nW)

Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
802.11n40	Low Channel	30MHz~1GHz(100kHz)	913.864	-63.23	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	5184.85	-49.84	-47dBm (20nW)
	Middle Channel	30MHz~1GHz(100kHz)	319.933	-65.76	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	2548.475	-56.93	-47dBm (20nW)
	High Channel	30MHz~1GHz(100kHz)	716.178	-65.59	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	2463.375	-56.61	-47dBm (20nW)

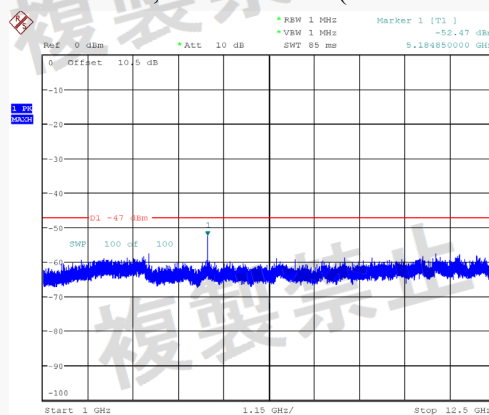
Mode	Channel	Test Band (RBW)	Measurement		Limit
			Frequency (MHz)	Reading (dBm)	
802.11ax20	Low Channel	30MHz~1GHz(100kHz)	598.808	-65.96	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	5172.2	-55.46	-47dBm (20nW)
	Middle Channel	30MHz~1GHz(100kHz)	476.6365	-65.76	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	2462.8	-54.76	-47dBm (20nW)
	High Channel	30MHz~1GHz(100kHz)	483.9115	-65.45	-54dBm (4nW)
		1GHz~12500MHz(1MHz)	2462.225	-56.18	-47dBm (20nW)

802.11b, Low Channel(1GHz~12.5GHz)



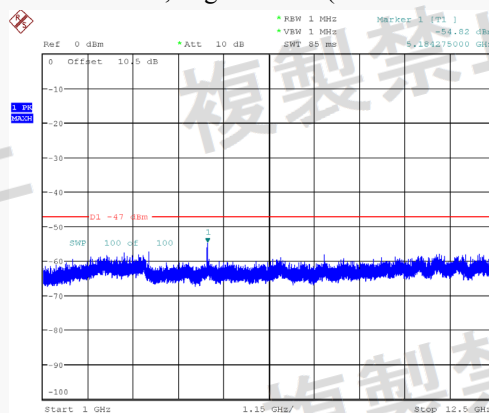
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 16:59:58

802.11b, Middle Channel(1GHz~12.5GHz)



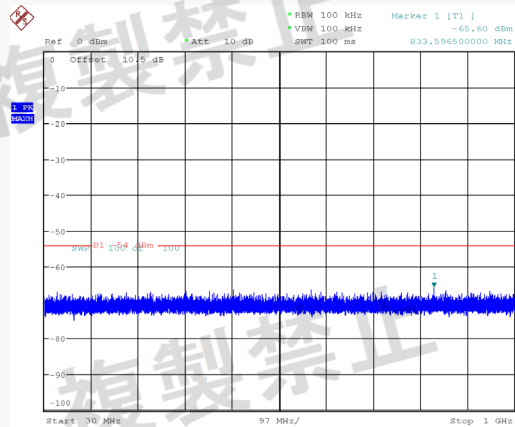
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 17:01:09

802.11b, High Channel(1GHz~12.5GHz)



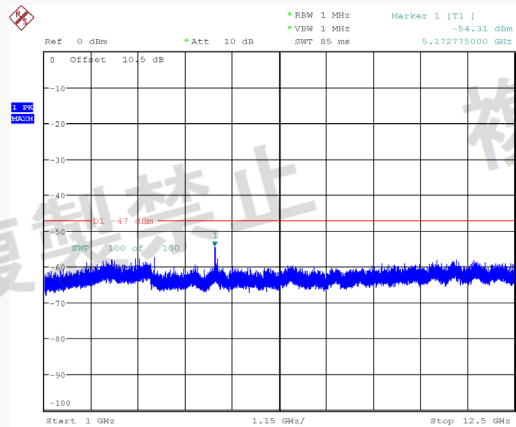
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 17:41:56

802.11g, Low Channel(30MHz~1GHz)



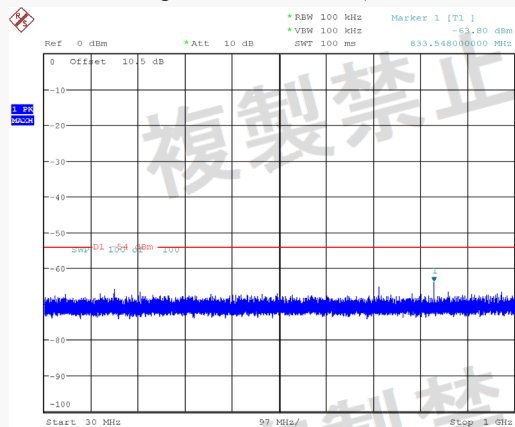
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 17:42:46

802.11g, Low Channel(1GHz~12.5GHz)



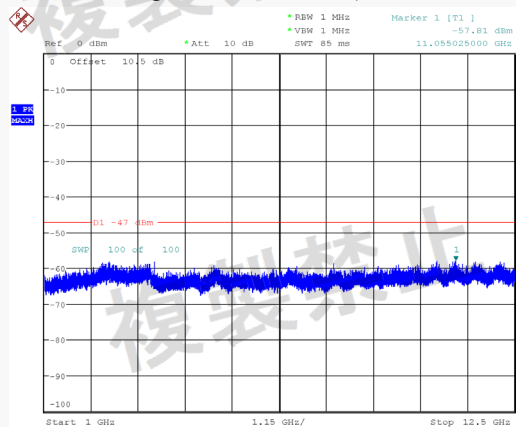
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 17:43:26

802.11g, Middle Channel(30MHz~1GHz)



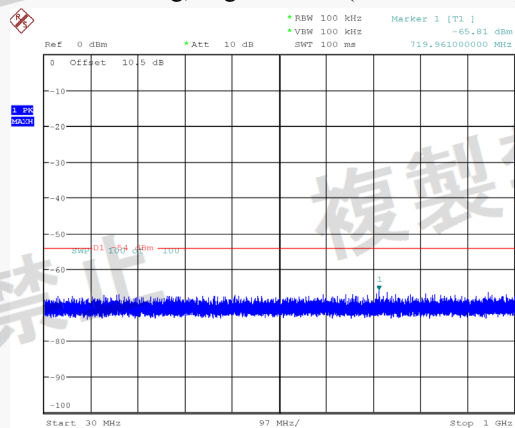
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 17:43:55

802.11g, Middle Channel(1GHz~12.5GHz)



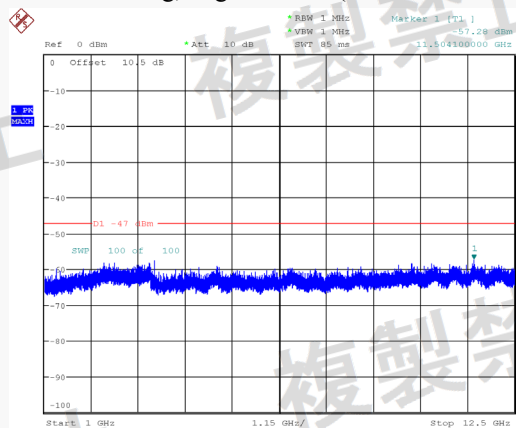
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 17:44:36

802.11g, High Channel(30MHz~1GHz)



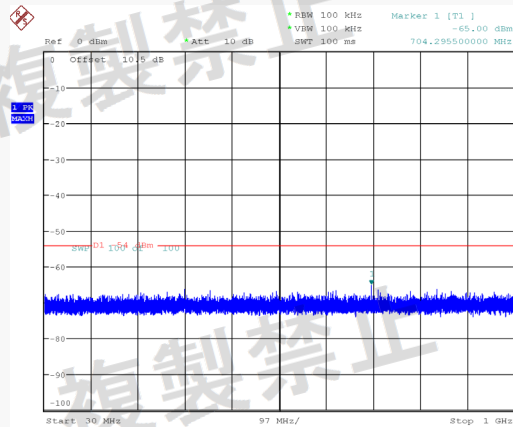
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:42:25

802.11g, High Channel(1GHz~12.5GHz)



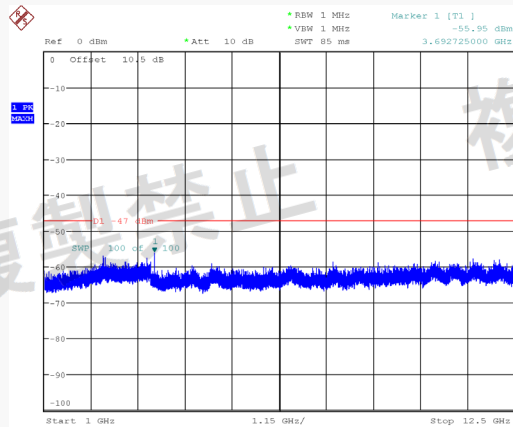
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 17:47:15

802.11n20, Low Channel(30MHz~1GHz)



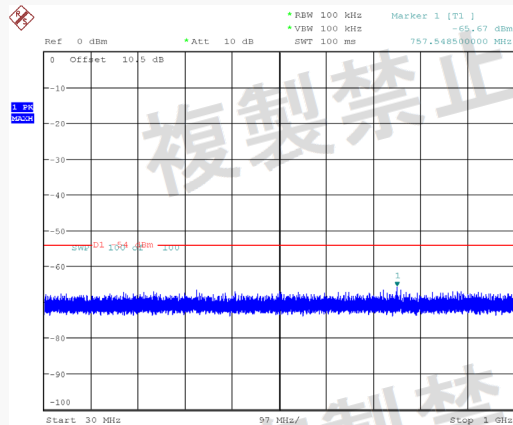
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:43:19

802.11n20, Low Channel(1GHz~12.5GHz)



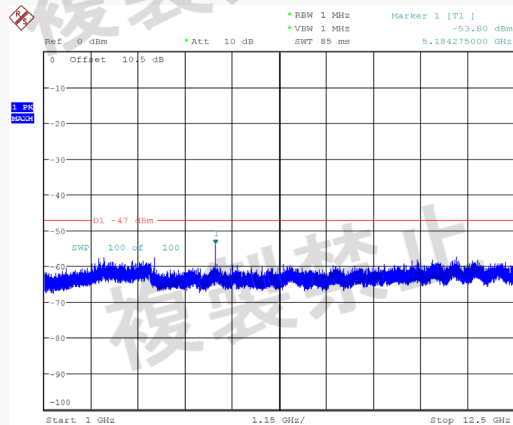
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Date: 12.MAR.2026 18:44:00

802.11n20, Middle Channel(30MHz~1GHz)



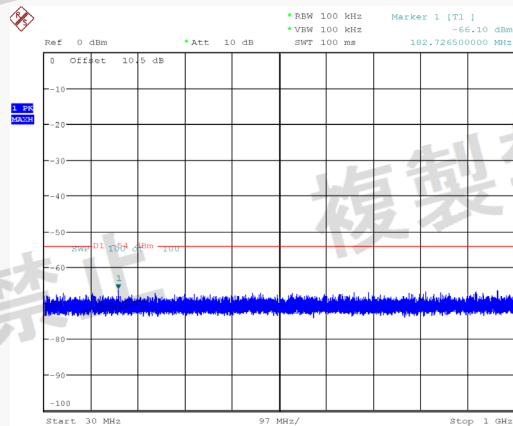
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:44:46

802.11n20, Middle Channel(1GHz~12.5GHz)



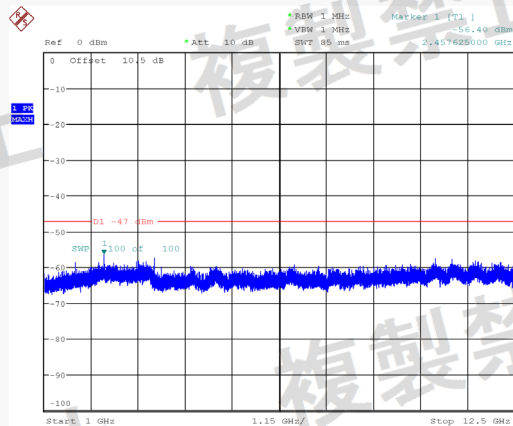
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:45:27

802.11n20, High Channel(30MHz~1GHz)



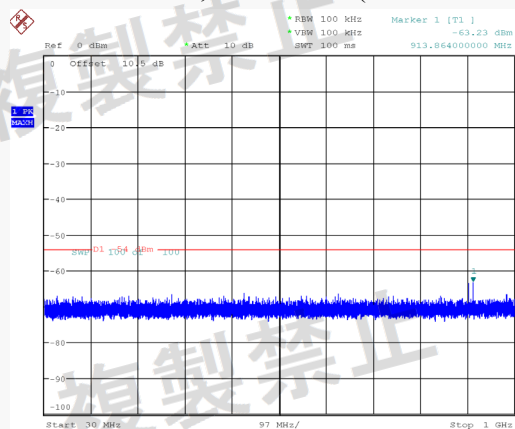
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:46:17

802.11n20, High Channel(1GHz~12.5GHz)



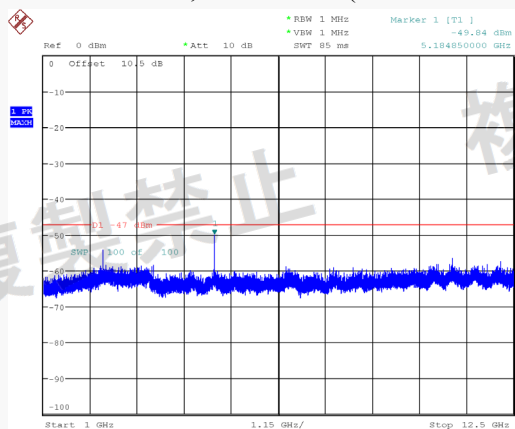
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:46:58

802.11n40, Low Channel(30MHz~1GHz)



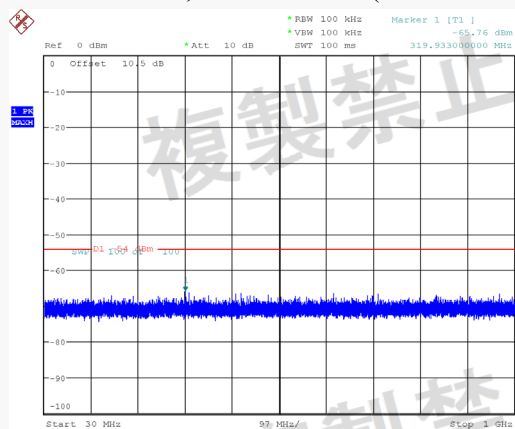
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:50:14

802.11n40, Low Channel(1GHz~12.5GHz)



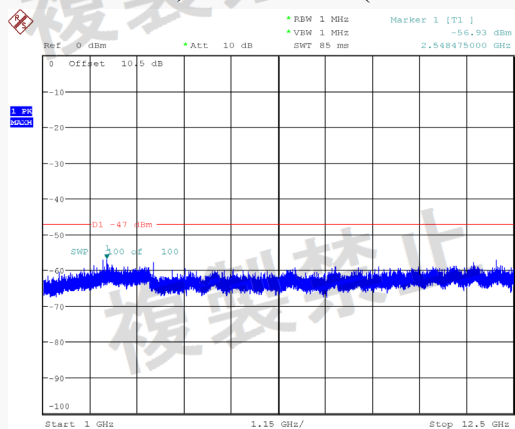
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:50:55

802.11n40, Middle Channel(30MHz~1GHz)



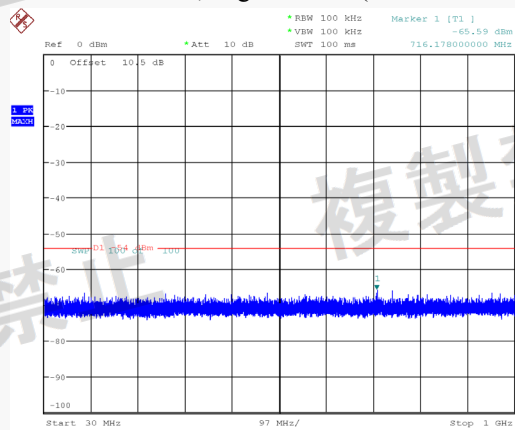
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:53:39

802.11n40, Middle Channel(1GHz~12.5GHz)



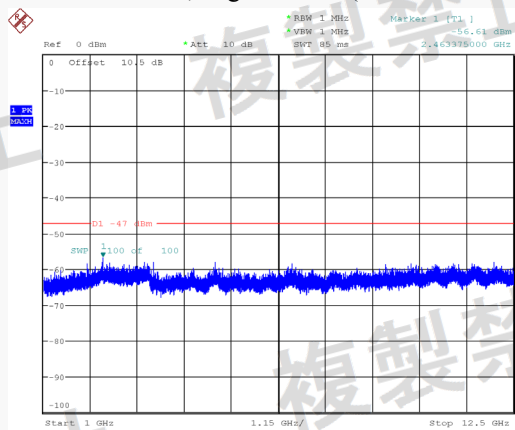
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Date: 12.MAR.2026 18:54:20

802.11n40, High Channel(30MHz~1GHz)



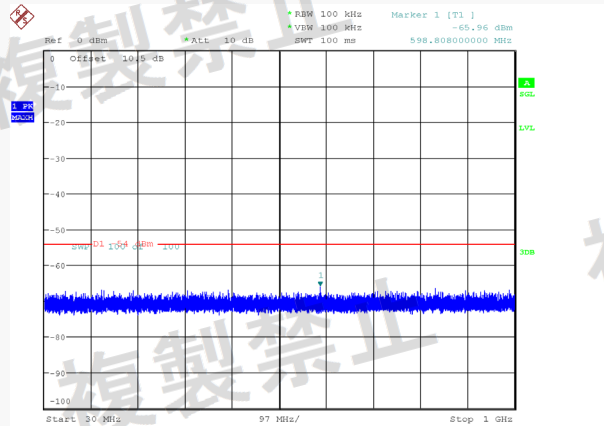
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 18:55:09

802.11n40, High Channel(1GHz~12.5GHz)



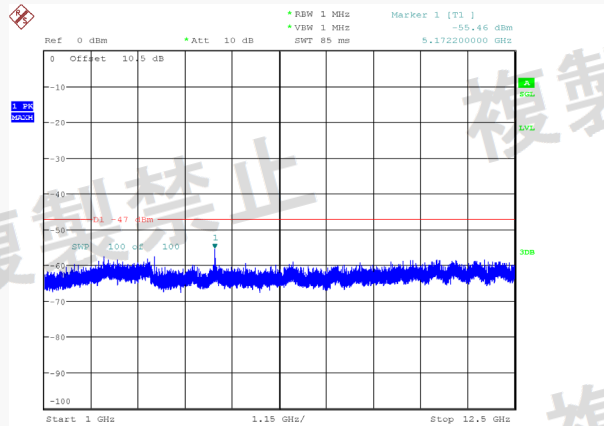
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Date: 12.MAR.2026 18:55:50

802.11ax20, Low Channel(30MHz~1GHz)



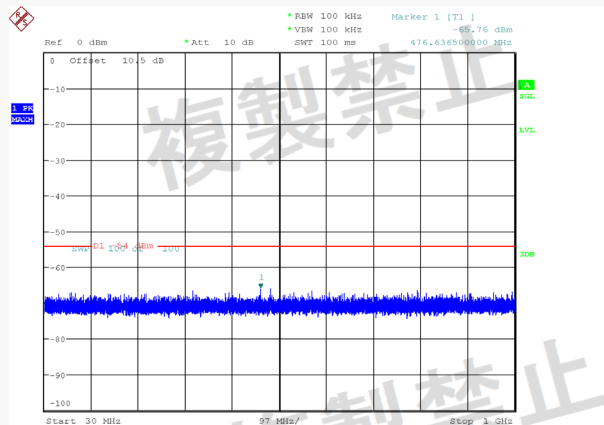
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802.11ax20, Low Channel(1GHz~12.5GHz)



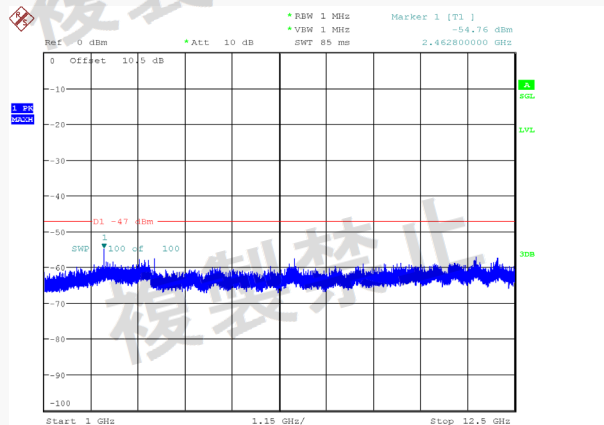
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 19:00:40

802.11ax20, Middle Channel(30MHz~1GHz)



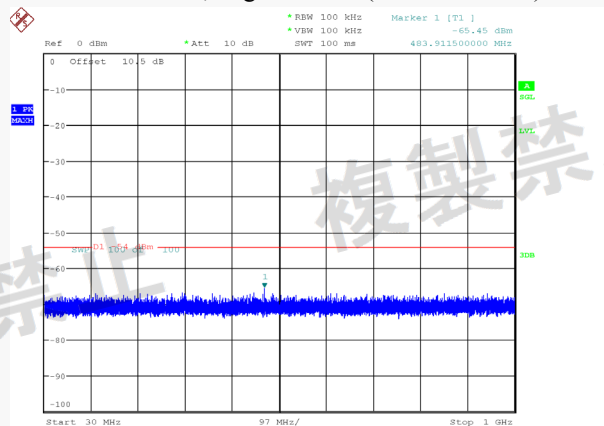
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 19:01:30

802.11ax20, Middle Channel(1GHz~12.5GHz)



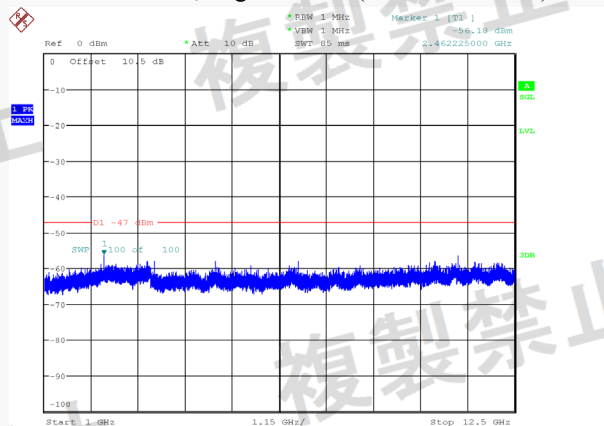
ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 19:02:11

802.11ax20, High Channel(30MHz~1GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 19:02:48

802.11ax20, High Channel(1GHz~12.5GHz)



ProjectNo.:RKSA260113001 Tester:Neil Zhou
Date: 12.MAR.2026 19:03:29

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