



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

JAPAN MIC

TEST REPORT

Applicant: Shenzhen Tenda Technology Co., Ltd.

Address: 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Product Name: 5MP Outdoor Wi-Fi Pan/Tilt Camera

Model Number: CH7-WCA

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

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

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: 2603T14520E-RF-07A

Date Of Issue: 2026/6/17

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, Guangdong, China.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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Each test item follows the test standard(s) without deviation.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2603T14520E-RF-07A	Original Report	2026/6/17

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	5MP Outdoor Wi-Fi Pan/Tilt Camera
Trade Name:	Tenda
EUT Model:	CH7-WCA
Frequency Range:	802.11b/g/n ht20/ax he20: 2412-2472 MHz 802.11n ht40/ax he40: 2422-2462MHz
Nominal RF Output Power (Conducted):	802.11b: 1mW/MHz 802.11g: 0.3mW/MHz 802.11n ht20: 0.3mW/MHz 802.11n ht40: 0.2mW/MHz 802.11ax he20: 0.4mW/MHz 802.11ax he40: 0.2mW/MHz
Number of TX Chain(s):	1
Number of RX Chain(s):	1
Antenna Gain[▲]:	1.94dBi
Modulation Type:	802.11b: DSSS-DBPSK, DQPSK, CCK 802.11g/n: OFDM-BPSK, QPSK, 16QAM, 64QAM 802.11ax: OFDMA-BPSK, QPSK, 16QAM, 64QAM, 1024QAM
Emission Type:	G1D, D1D
Rated Voltage:	DC 12V from adapter
Sample Number:	3N2G-1
EUT Received Date:	2026/6/6
EUT Received Status:	Good

1.2 Operation Frequency Detail

For 802.11b/g/n ht20/ax he20:			
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	/	/
The test frequencies were performed the test as below:			
Test Channel		Frequency (MHz)	
Lowest		2412	
Middle		2442	
Highest		2472	

For 802.11n ht40/ax he40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	8	2447
4	2427	9	2452
5	2432	10	2457
6	2437	11	2462
7	2442	/	/
The test frequencies were performed the test as below:			
Test Channel		Frequency (MHz)	
Lowest		2422	
Middle		2442	
Highest		2462	

1.3 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
SWITCHING POWER SUPPLY	KLEC	KL-WJ120100-H1	INPUT: 100-240V 50/60Hz 0.5A OUTPUT: 12.0V = 1.0A

1.4 Objective

The objective of this current document is to demonstrate the EUT, as equipment type in Certification Ordinance Article 2-1-19 of Specific Radio Equipment Specified in Article 38-2-2 Paragraph 1 Item 1of the Radio Law, compliant with Article 49-20 of Radio equipment regulations.

1.5 Test Methodology

All measurements contained in this report were conducted with technical regulations of MIC Notice No.88 of 2004, Appendix No.43 (Version: MIC Notice No.409 of 2023).

1.6 Description of Test Configuration

1.6.1 EUT Operation Condition

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.		
Equipment Modifications:	No		
EUT Exercise Software:	SecureCRT.exe		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:			
Test Modes	Power Level Setting		
	Lowest Channel	Middle Channel	Highest Channel
802.11b	10	10	10
802.11g	10	10	10
802.11n ht20	10	10	10
802.11n ht40	10	10	10
802.11ax he20	10	10	10
802.11ax he40	10	10	10

Note: The 802.11ax mode does not support partial RU index.

1.6.2 EUT Extremity Condition

Environment Element	Range	Declared Voltage Value (Vdc)	Measured Voltage (Vdc)	Voltage Variation (%)
Voltage Fluctuation:	NV	12	3.3	/
	LV	11.4	3.3	0
	HV	12.6	3.3	0

Note:

1. Voltage Variation (%) = (Measured Voltage at High or Low Voltage - Measured Voltage at Normal Voltage)/ Measured Voltage at Normal Voltage*100.
2. The Measured Voltage for the Radio Part fluctuation is verified at the power input PIN of the RF circuit.

The EUT be operated at 11.4~12.6Vdc which was provided by manufacturer, the supply voltage of RF part was varied within $\pm 1\%$. All test cases were done under the **Normal Voltage (NV)** only.

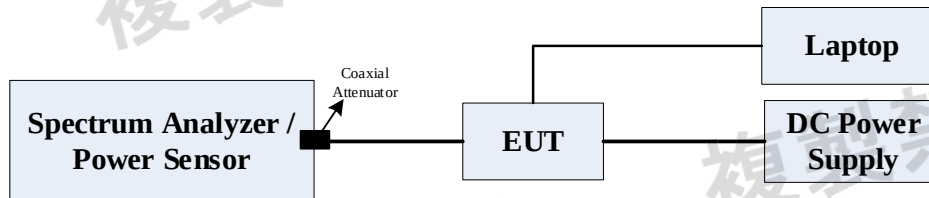
1.6.3 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T460S	60PDTEK7
Huawei	Wireless Router	HG8245Q2	HG8245-001

1.6.4 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Detachable Power Cable	No	No	1	DC Power Supply	EUT
RJ45 Cable	No	No	1.5	Laptop	EUT

1.6.5 Block Diagram of Test Setup



1.6 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Frequency Error	± 0.5 ppm
Occupied Bandwidth	± 5 %
RF Output Power, Conducted	± 0.61 dB
Unwanted Emissions (TX&RX), Conducted	± 2.47 dB
Temperature	$\pm 1^\circ\text{C}$
Humidity	± 5 %
DC And Low Frequency Voltages	± 0.4 %
Duty Cycle	1 %

2. SUMMARY OF TEST RESULTS

Certification Ordinance Article 2-1-19 Conducted with: MIC Notice No.88 Appendix No.43	Description of Test	Result
1	Frequency Error	Compliant
2	Occupied 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 Frequency Switching Function	Not Applicable*
8	Transmission Antenna Gain	Not Applicable**
9	Transmission Radiation Angle Width	Not Applicable**
10	Interference Prevention Function	Compliant
11	Frequency Hopping Dwell Time	Not Applicable***
12	Construction Protection Confirmation	Compliant

Note:

Not Applicable*: Only required for device with “the EIRP shortage is compensated by Antenna output power” function.

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

Not Applicable***: Testing is only required for FHSS system devices.

3. REQUIREMENTS AND TEST PROCEDURES

3.1 Frequency Error

3.1.1 Limit

Within ± 50 ppm.

3.1.2 Test Procedure

Set the EUT to the measurement frequency without modulation.
Setting of SA is following as: Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: MAX Hold.
Record the peak spot frequency.

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

3.2 Occupied Bandwidth

3.2.1 Limit

- Occupied bandwidth: ≤ 26 MHz
- Occupied bandwidth: ≥ 26 MHz and ≤ 40 MHz

3.2.2 Test Procedure

1. Set the UUT as transmitting the modulation signal and fixed channelize.

2. The spectrum analyzer should be set as follows:

- Center Frequency: The center frequency of the channel under test
- Span: 2~3.5 times of occupied bandwidth allocation.
- RBW: $\leq 3\%$ of the occupied frequency bandwidth.
- VBW: Same as RBW
- Sweep time: Minimum time for which measurement accuracy is guaranteed. However, in the case of burst waves, at least one burst per sample must be entered.
- Sweep Mode: Continuous Sweep
- Detect Mode: Positive Peak
- Trace Mode: Max Hold

3. SA set to 99% of occupied bandwidth to measure occupied bandwidth.

4. Find the lowest and highest frequency in which the mean power emitted below the lower and above the upper frequency limits are respectively equal to 0.5% of the total mean power of a given emission. This lowest and highest frequency shall be recorded.

3.3 Transmitter Spurious Emission Strength and Unwanted Emission Intensity

3.3.1 Limit

- $30\text{MHz} \leq f < 2387\text{ MHz}: \leq 2.5\mu\text{W}/\text{MHz}$
- $2387\text{ MHz} \leq f \leq 2400\text{ MHz}: \leq 25\mu\text{W}/\text{MHz};$
- $2483.5\text{ MHz} < f \leq 2496.5\text{ MHz}: \leq 25\mu\text{W}/\text{MHz}$
- $2496.5\text{ MHz} < f \leq 12500\text{MHz}: \leq 2.5\mu\text{W}/\text{MHz}$

3.3.2 Test Procedure

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

If above test over the limit, the below test procedure should be used:

Step 1:

Center the frequency which was want to investigate, search the peak frequency.

Step 2:

Center frequency: Searched Frequency

Span: 0Hz

RBW: 1MHz(Above 1GHz), VBW: Same as RBW.

Sweep time: Auto(Minimum time to ensure measurement accuracy. *In case of burst wave, one burst shall be included per data point) Data points: 400 points or more. Sweep mode: Single Sweep.

Detection Mode: Sample

3.4 Antenna Output Power and Antenna Power Tolerance

3.4.1 Limit

Antenna Output Power:

- ≤ 10 mW/MHz (OFDM/DSSS for bandwidth ≤ 26 MHz)
- ≤ 5 mW/MHz (OFDM for bandwidth ≥ 26 MHz and ≤ 40 MHz)

The Output Power Tolerance must be within +20%.

E.I.R.P:

- ≤ 12.14 dBm/MHz (OFDM/DSSS for bandwidth ≤ 26 MHz)
- ≤ 9.13 dBm/MHz (OFDM for bandwidth ≥ 26 MHz and ≤ 40 MHz)

3.4.2 Test Procedure

1. Set the UUT to continuous transmission or continuous burst transmission mode.

2. The settings of the spectrum analyzer when providing frequency search for the maximum power should be set as follows:

- Center Frequency: The center frequency of the channel under test
- Span: Approximately 2 times of the occupied frequency bandwidth.
- RBW: 1 MHz
- VBW: $3 * \text{RBW}$
- Sweep time: Minimum time that ensures measurement accuracy
(For burst waves, the time should be long enough to include at least one burst per sample)
- Trigger Condition: Free run
- Sweep Mode: Continuous Sweep
- Detect Mode: Positive Peak
- Trace Mode: Max Hold

3. After the max-power frequency is found, the settings of the spectrum analyzer when measuring power shall be as follows:

- Measurement Mode: Time Domain Power
- Center Frequency: The searched frequency that gave maximum power in step 2.
- Span: 0 Hz
- RBW: 1 MHz
- VBW: Same as RBW
- Sweep Mode: Continuous Sweep

4. Measurement Procedures by Technology Type:

(1) For Frequency Hopping Systems (including hybrid with DSSS or OFDM):

a. If uniform hopping distribution (intervals ≤ 1 MHz, equal probability per hop) – confirmed by submitted documentation:

- 1) Connect a power meter and measure the total power.
- 2) Divide the total power by the Spread Bandwidth to calculate the average power per 1 MHz.
- 3) The antenna power is defined as:

- For continuous wave: the value from step 2) above.
- For burst wave: the value from step 2) above adjusted by the duty cycle, representing the average power within the burst.

b. If non-uniform hopping distribution or unequal probabilities:

- Set the spectrum analyzer as step 2 to search for the frequency providing maximum antenna power.
- Then set the spectrum analyzer as step 3 to measure the antenna power at that frequency.

(2) For OFDM or Direct Sequence Spread Spectrum (DSSS) Systems:

- a. Set the SA as per Step2 to search for the frequency that gives maximum power per 1 MHz. Sweep repeatedly until the display shows no further changes, then identify and record this frequency.
- b. Switch the SA to the settings in Step 3 (Zero-span) at the identified frequency.
- c. Connect a Power Meter to the "Narrow I.F" output port of the Spectrum Analyzer. The power is set Auto Duty factor.
- d. The antenna power is defined as:
 - For continuous wave: value corrected as Spread Bandwidth to calculate the average power per 1 MHz.
 - For burst wave: the adjusted reading from the corrected value (as in continuous wave) and the duty cycle, representing the average power within the burst.
- e. For OFDM systems with multiple subcarrier modulation schemes:
 - Measure the antenna power for each modulation type and select the highest value as the final result.

(3) For Other Systems:

- a. Connect a power meter and measure the total power.
- b. The antenna power is defined as:
 - For continuous wave: the value from step a above.
 - For burst wave: the adjusted reading from the corrected value (as in continuous wave) and the duty cycle, representing the average power within the burst.

3.5 Receiver Spurious Emission and Unwanted Emission Intensity

3.5.1 Limit

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

3.5.2 Test Procedure

- ❖ Conditions of Application Equipment (EUT)
 - The modulation state shall be “continuous receiving mode”.
- ❖ Spectrum Analyzer Conditions
 - Start Frequency: Start Frequency of frequency range to measure (30MHz to 1GHz)
 - Stop Frequency: Stop Frequency of frequency range to measure (1GHz to 12.5GHz)
 - Span: AUTO (Measurement Range)
 - RBW: 100 kHz, VBW: 100 kHz for Frequency $< 1 \text{ GHz}$
 - RBW: 1MHz, VBW: 1MHz for Frequency $> 1 \text{ GHz}$
 - Sweep time: AUTO or more
 - Sweep mode: Auto Sweep
 - Detection: Positive Peak
 - Reference Level: Enough level for maximum dynamic range

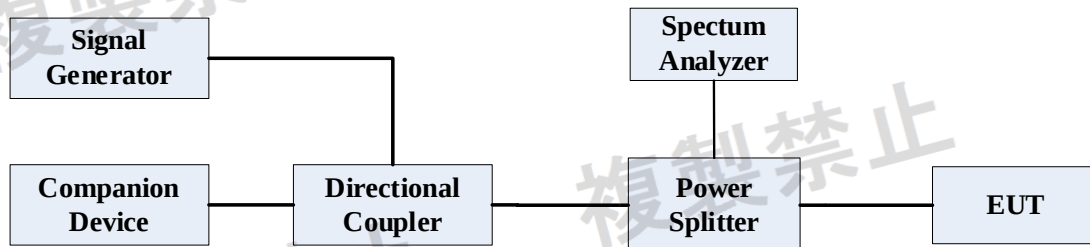
3.6 Carrier Sense Capability

3.6.1 Requirement

EUT stop RF transmission signal after carrier inject to EUT

3.6.2 Test Procedure

3.6.2.1 Measurement System Diagram:



3.6.2.2 Conditions of Application Equipment (EUT):

The EUT state shall be “normal mode link with Companion Device (**wireless router**)”.

3.6.2.3 Setting the SA as following:

- Center Frequency: Center frequency of the receiving frequency band
- Span: 50MHz (Note 1)
- RB: 1MHz
- 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.

3.6.2.4 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.

3.6.2.5 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 26MHz.

3.6.2.6 Set the EUT in receiving state.

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

3.7 Interference Prevention Function

3.7.1 Requirement

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

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

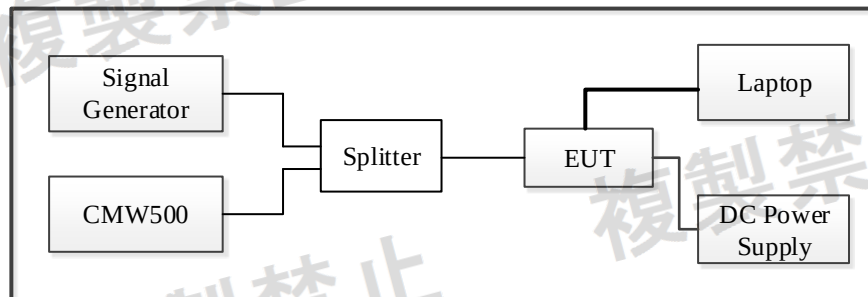
Article 1.8 of MPT Ministerial Notice No. 424 of 1994 (the last revision: Notice No. 374 of Nov. 10, 2023)

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

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

3.7.2 Test Procedure

Measurement System Diagram:



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.

3.8 Construction Protection Confirmation

3.8.1 Requirement

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

4. TEST DATA AND RESULTS

4.1 Test Environmental Conditions & Test Equipment List and Details

Test Date:		2026/06/08~2026/06/09			
Tester:		Zoey Song			
Environmental Conditions:					
Temperature: (℃):	24.8-25.3	Relative Humidity: (%)	50-52	ATM Pressure: (kPa)	99.6-100.3

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method ^{Note}
UNI-T	Multimeter	UT39A+	C250343896	2025/07/18	2026/07/17	BACL Cal	C
R&S	Spectrum Analyzer	FSU26	200445	2025/11/10	2026/11/09	BACL Cal	C
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A	CCICT	D
JD	Test software	JD Auto Test System	V1.0	N/A	N/A	N/A	N/A
GWINSTEK	DC Power Supply	SPS3610	D33251	N/A	N/A	N/A	N/A
Agilent	USB Average Power Sensor	U2001H	MY50000432	2026/2/27	2027/2/26	BACL Cal	C
Agilent	MXG Vector Signal Generator	N5182B	MY51350144	2025/11/14	2026/11/13	BACL Cal	C
R&S	Wideband Radio Communication Tester	CMW500	143458	2026/02/27	2027/02/26	BACL Cal	C
Minl-Circuits	Power Splitter	ZFRSC-183-S+	S F448201619	Each time	N/A	CCICT	D
narda	Directional	4226-20	02441	Each time	N/A	CCICT	D

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

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

4.2 Frequency Error

Test Result: Compliant. Please refers to following table and plots.

Test Mode: Carrier transmitting mode

Test Condition: NV

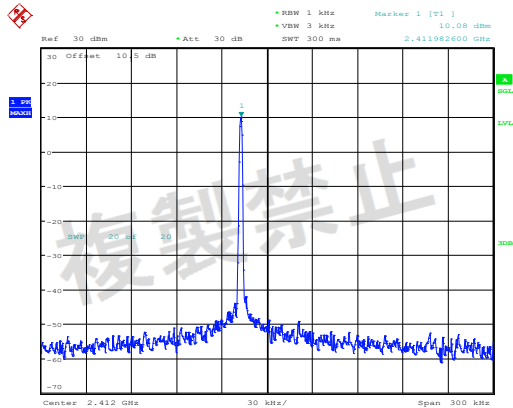
Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	2412	2411.98260	-7.21	± 50	Pass
	2422	2421.98230	-7.31	± 50	Pass
	2442	2441.98140	-7.62	± 50	Pass
	2462	2461.98080	-7.80	± 50	Pass
	2472	2471.98080	-7.77	± 50	Pass

Note: Frequency Tolerance = (Measured Frequency - Test Frequency)/Test Frequency*10⁶

Please refer to the plots for **Normal Voltage Test**:

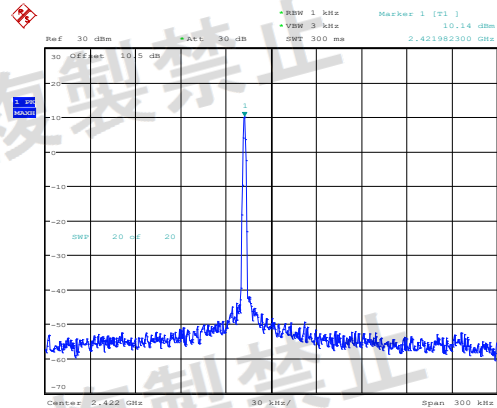
Test Condition: NV

2412MHz



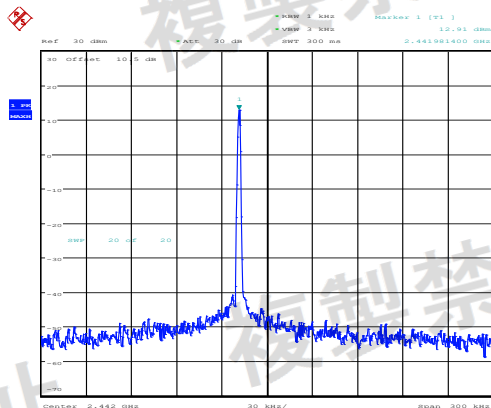
ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 9.JUN.2026 23:05:20

2422MHz



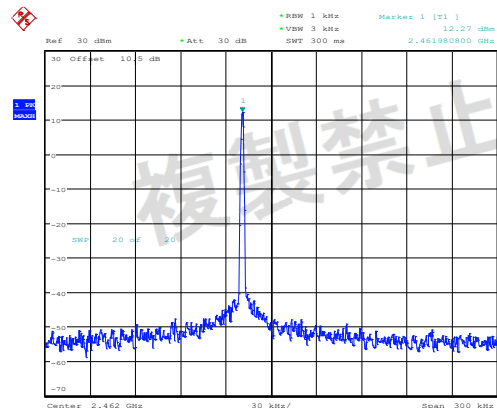
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Date: 9.JUN.2026 22:57:09

2442MHz



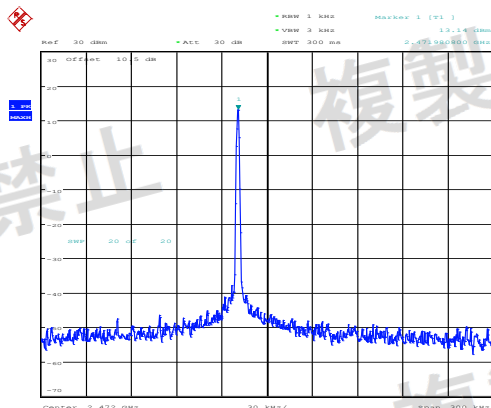
ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 9.JUN.2026 23:03:59

2462MHz



ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 9.JUN.2026 22:58:26

2472MHz



ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 9.JUN.2026 23:05:03

4.3 Occupied Bandwidth

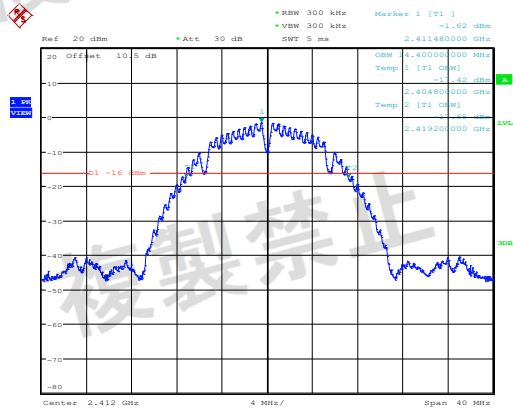
Test Result: Compliant. Please refers to following table and plots.

Test Mode: Transmitting

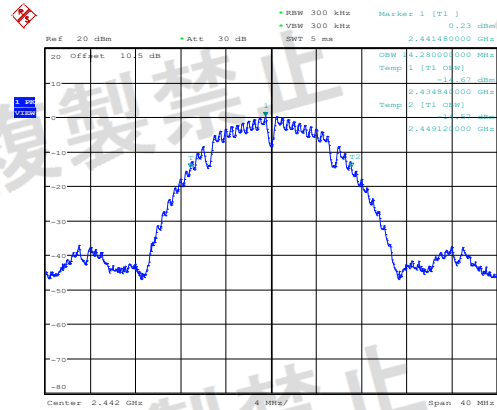
Test Condition: NV

Mode	Occupied bandwidth (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11b	14.40	14.28	14.28	≤ 26	Pass
802.11g	16.96	16.92	16.92	≤ 26	Pass
802.11n ht20	18.08	18.12	18.16	≤ 26	Pass
802.11n ht40	36.32	36.32	36.32	26~40	Pass
802.11ax he20	19.12	19.12	19.20	≤ 26	Pass
802.11ax he40	37.84	37.84	37.84	26~40	Pass

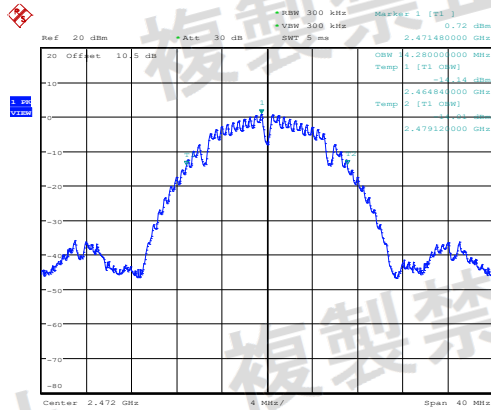
Please refer to the below plots for **normal voltage test**:

Test Condition: NV**802.11b, Low Channel**

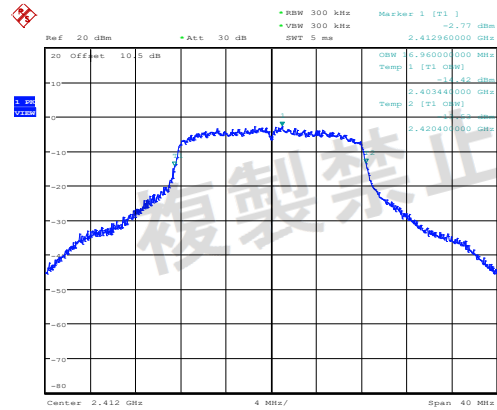
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:35:42

802.11b, Middle Channel

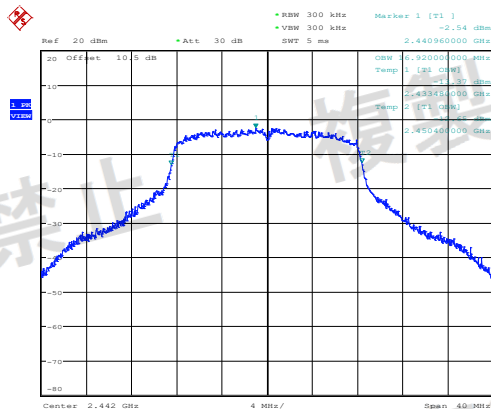
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:40:50

802.11b, High Channel

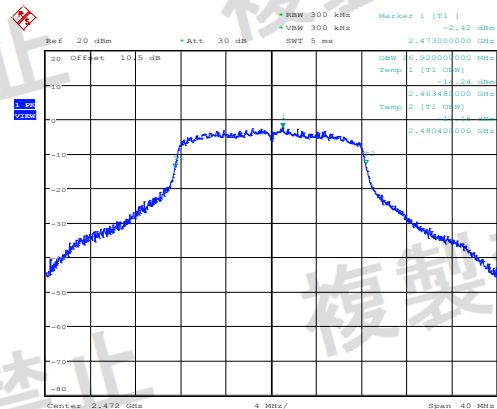
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:45:04

802.11g, Low Channel

ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:50:07

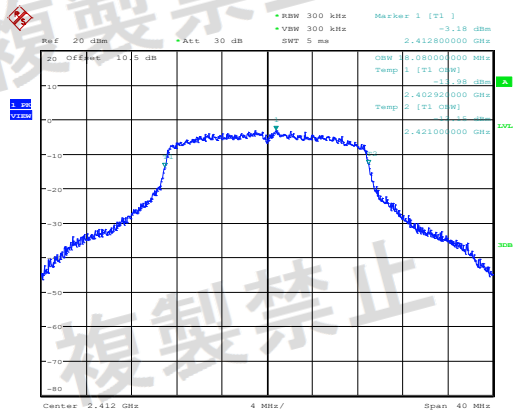
802.11g, Middle Channel

ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:54:07

802.11g, High Channel

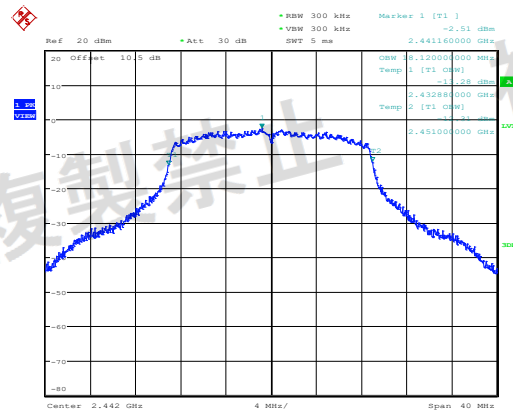
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:58:26

802.11n ht20, Low Channel



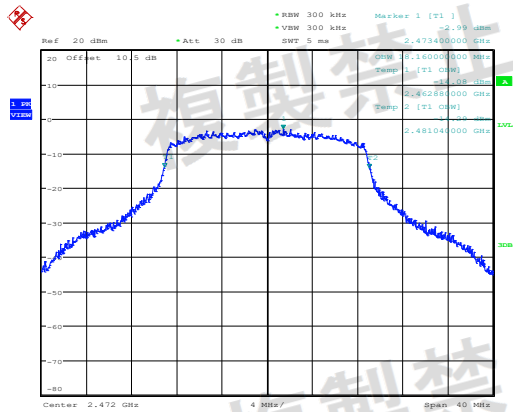
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:04:17

802.11n ht20, Middle Channel



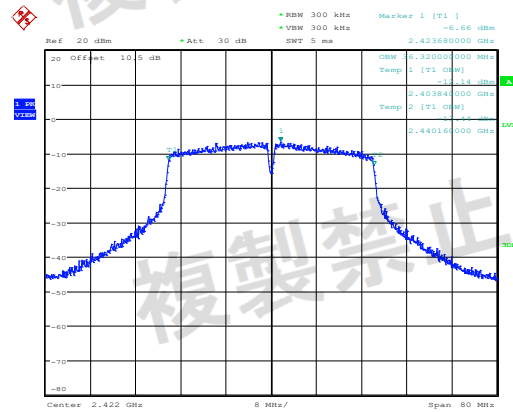
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:09:21

802.11n ht20, High Channel



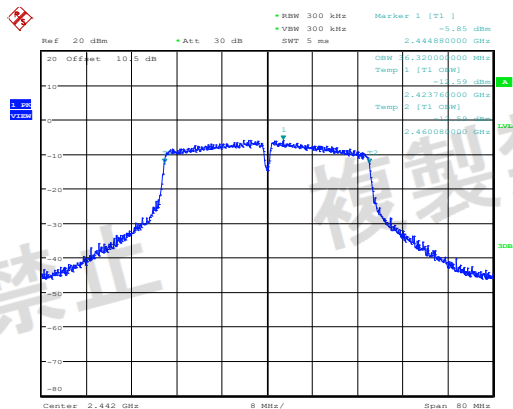
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:14:23

802.11n ht40, Low Channel



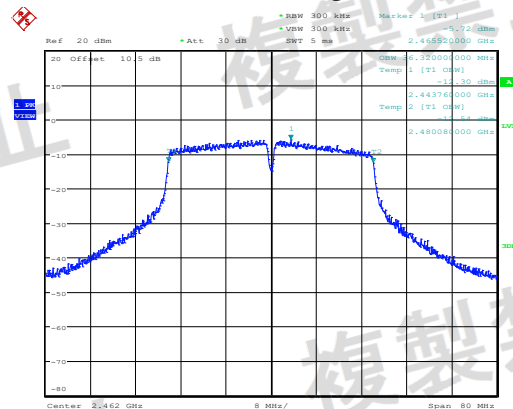
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:24:31

802.11n ht40, Middle Channel



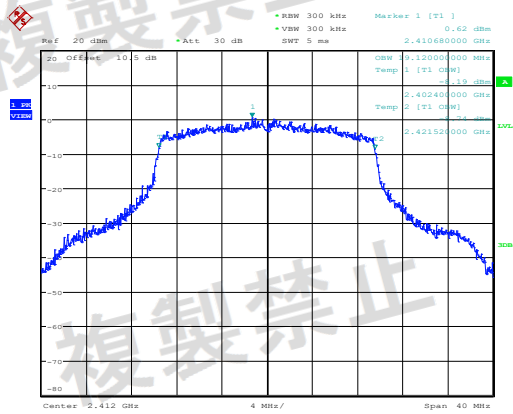
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:29:51

802.11n ht40, High Channel



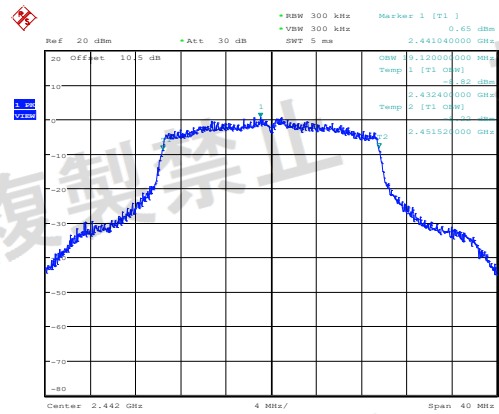
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:33:56

802.11ax he20, Low Channel



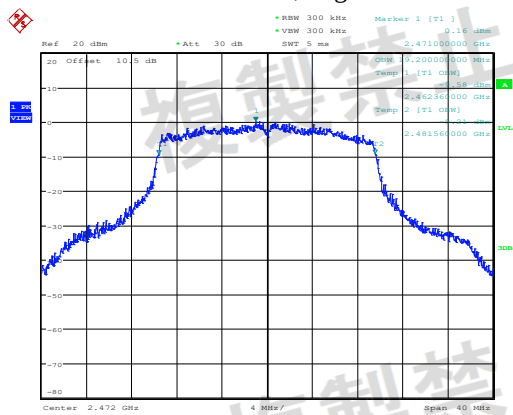
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9 JUN.2026 20:00:01

802.11ax he20, Middle Channel



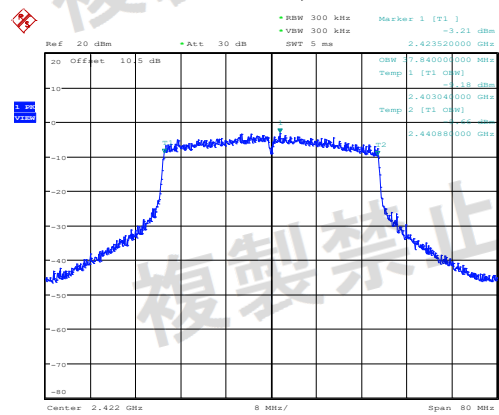
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9 JUN.2026 20:06:42

802.11ax he20, High Channel



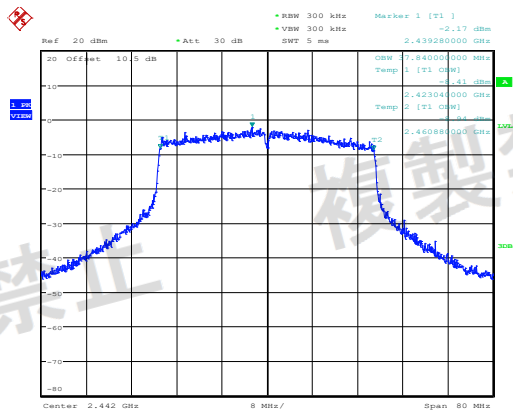
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9 JUN.2026 20:11:19

802.11ax he40, Low Channel



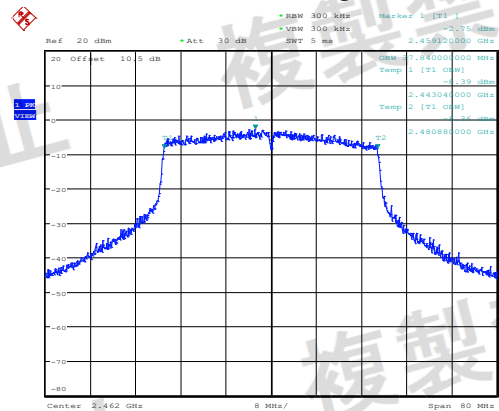
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9 JUN.2026 20:17:36

802.11ax he40, Middle Channel



ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9 JUN.2026 21:35:34

802.11ax he40, High Channel



ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9 JUN.2026 21:40:44

4.4 Transmitter Spurious Emission Strength and Unwanted Emission Intensity

Test Result: Compliant. Please refers to following table and plots.

Test Mode: Transmitting

Test Condition: NV

Chain 0, 802.11b

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	143.490	-43.32	0.047	0.25	Pass
	Band II (1MHz)	1000	2387	2383.533	-39.56	0.111	2.50	Pass
	Band III (1MHz)	2387	2400	2395.704	-36.21	0.239	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2486.425	-38.91	0.129	25	Pass
	Band V (1MHz)	2496.5	12500	11239.559	-34.11	0.388	2.50	Pass
Middle	Band I (100kHz)	30	1000	737.130	-43.65	0.043	0.25	Pass
	Band II (1MHz)	1000	2387	2371.050	-40.36	0.092	2.50	Pass
	Band III (1MHz)	2387	2400	2395.795	-40.01	0.100	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.923	-39.49	0.112	25	Pass
	Band V (1MHz)	2496.5	12500	11264.568	-32.88	0.515	2.50	Pass
High	Band I (100kHz)	30	1000	869.535	-43.05	0.050	0.25	Pass
	Band II (1MHz)	1000	2387	2267.718	-39.42	0.114	2.50	Pass
	Band III (1MHz)	2387	2400	2391.713	-39.22	0.120	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2488.603	-32.51	0.561	25	Pass
	Band V (1MHz)	2496.5	12500	11304.582	-34.01	0.397	2.50	Pass

Chain 0, 802.11g

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	908.335	-44.00	0.040	0.25	Pass
	Band II (1MHz)	1000	2387	2008.349	-40.35	0.092	2.50	Pass
	Band III (1MHz)	2387	2400	2399.864	-16.67	21.528	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2491.287	-39.24	0.119	25	Pass
	Band V (1MHz)	2496.5	12500	11344.596	-34.10	0.389	2.50	Pass
Middle	Band I (100kHz)	30	1000	231.760	-43.61	0.044	0.25	Pass
	Band II (1MHz)	1000	2387	2359.954	-40.26	0.094	2.50	Pass
	Band III (1MHz)	2387	2400	2398.310	-39.46	0.113	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2493.569	-39.00	0.126	25	Pass
	Band V (1MHz)	2496.5	12500	11249.563	-33.92	0.406	2.50	Pass
High	Band I (100kHz)	30	1000	758.955	-43.80	0.042	0.25	Pass
	Band II (1MHz)	1000	2387	2319.037	-40.13	0.097	2.50	Pass
	Band III (1MHz)	2387	2400	2389.561	-39.79	0.105	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.559	-16.57	22.029	25	Pass
	Band V (1MHz)	2496.5	12500	11259.566	-34.54	0.352	2.50	Pass

Chain 0, 802.11n ht20

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	970.415	-43.75	0.042	0.25	Pass
	Band II (1MHz)	1000	2387	2373.130	-40.75	0.084	2.50	Pass
	Band III (1MHz)	2387	2400	2399.597	-16.10	24.547	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2493.978	-39.22	0.120	25	Pass
	Band V (1MHz)	2496.5	12500	10794.403	-33.64	0.433	2.50	Pass
Middle	Band I (100kHz)	30	1000	981.570	-43.49	0.045	0.25	Pass
	Band II (1MHz)	1000	2387	2287.136	-39.53	0.111	2.50	Pass
	Band III (1MHz)	2387	2400	2389.470	-38.76	0.133	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2488.291	-38.86	0.130	25	Pass
	Band V (1MHz)	2496.5	12500	11264.568	-34.18	0.382	2.50	Pass
High	Band I (100kHz)	30	1000	761.380	-43.67	0.043	0.25	Pass
	Band II (1MHz)	1000	2387	2332.214	-39.68	0.108	2.50	Pass
	Band III (1MHz)	2387	2400	2399.545	-39.68	0.108	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.702	-28.67	1.360	25	Pass
	Band V (1MHz)	2496.5	12500	11304.582	-33.48	0.449	2.50	Pass

Chain 0, 802.11n ht40

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	483.960	-43.44	0.045	0.25	Pass
	Band II (1MHz)	1000	2387	2387.000	-37.56	0.175	2.50	Pass
	Band III (1MHz)	2387	2400	2399.981	-19.94	10.139	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2493.049	-39.89	0.103	25	Pass
	Band V (1MHz)	2496.5	12500	11284.575	-33.30	0.468	2.50	Pass
Middle	Band I (100kHz)	30	1000	793.875	-43.52	0.044	0.25	Pass
	Band II (1MHz)	1000	2387	2199.062	-40.04	0.099	2.50	Pass
	Band III (1MHz)	2387	2400	2399.864	-38.77	0.133	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2485.470	-37.89	0.163	25	Pass
	Band V (1MHz)	2496.5	12500	10779.398	-34.13	0.386	2.50	Pass
High	Band I (100kHz)	30	1000	546.040	-42.90	0.051	0.25	Pass
	Band II (1MHz)	1000	2387	2274.653	-40.02	0.100	2.50	Pass
	Band III (1MHz)	2387	2400	2394.729	-39.01	0.126	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.643	-18.73	13.397	25	Pass
	Band V (1MHz)	2496.5	12500	11799.755	-33.89	0.408	2.50	Pass

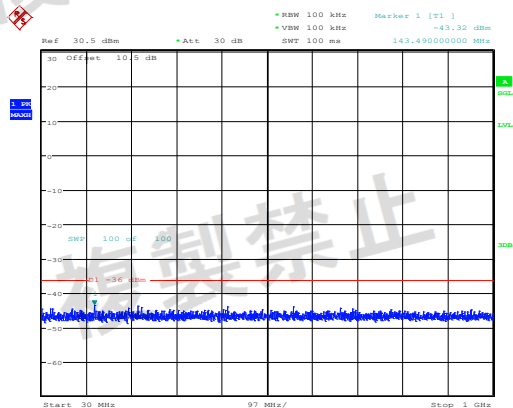
Chain 0, 802.11ax he20

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	411.695	-43.15	0.048	0.25	Pass
	Band II (1MHz)	1000	2387	2197.675	-40.12	0.097	2.50	Pass
	Band III (1MHz)	2387	2400	2399.935	-37.75	0.168	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2485.158	-38.88	0.129	25	Pass
	Band V (1MHz)	2496.5	12500	11974.816	-34.38	0.365	2.50	Pass
Middle	Band I (100kHz)	30	1000	487.355	-43.71	0.043	0.25	Pass
	Band II (1MHz)	1000	2387	2384.226	-40.81	0.083	2.50	Pass
	Band III (1MHz)	2387	2400	2392.525	-39.86	0.103	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2484.800	-39.08	0.124	25	Pass
	Band V (1MHz)	2496.5	12500	11299.580	-34.24	0.377	2.50	Pass
High	Band I (100kHz)	30	1000	737.130	-42.99	0.050	0.25	Pass
	Band II (1MHz)	1000	2387	2053.427	-40.42	0.091	2.50	Pass
	Band III (1MHz)	2387	2400	2391.219	-39.87	0.103	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.760	-36.27	0.236	25	Pass
	Band V (1MHz)	2496.5	12500	11254.564	-33.80	0.417	2.50	Pass

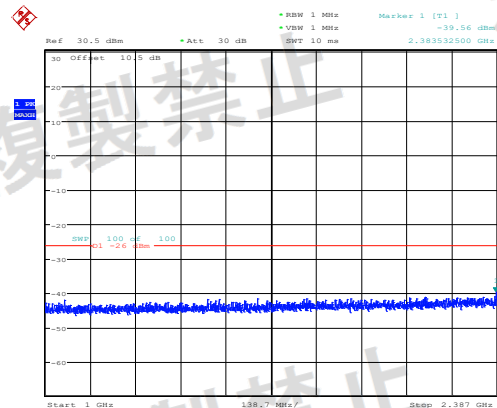
Chain 0, 802.11ax he40

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (μW/RBW)	Limit (μW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	368.045	-43.06	0.049	0.25	Pass
	Band II (1MHz)	1000	2387	2386.307	-36.72	0.213	2.50	Pass
	Band III (1MHz)	2387	2400	2399.844	-18.62	13.740	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2495.545	-39.32	0.117	25	Pass
	Band V (1MHz)	2496.5	12500	11314.585	-34.03	0.395	2.50	Pass
Middle	Band I (100kHz)	30	1000	201.690	-42.45	0.057	0.25	Pass
	Band II (1MHz)	1000	2387	2366.889	-40.85	0.082	2.50	Pass
	Band III (1MHz)	2387	2400	2398.889	-37.33	0.185	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2484.891	-38.38	0.145	25	Pass
	Band V (1MHz)	2496.5	12500	11209.549	-33.73	0.424	2.50	Pass
High	Band I (100kHz)	30	1000	401.995	-43.49	0.045	0.25	Pass
	Band II (1MHz)	1000	2387	2288.523	-40.85	0.082	2.50	Pass
	Band III (1MHz)	2387	2400	2397.712	-38.64	0.137	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.552	-17.54	17.620	25	Pass
	Band V (1MHz)	2496.5	12500	11299.580	-33.68	0.429	2.50	Pass

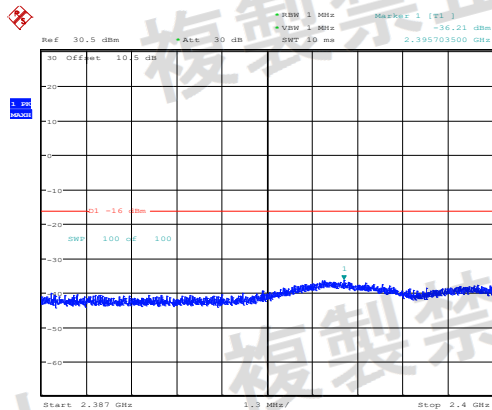
Please refer to the below plots for **normal voltage test**.

Test Condition: NV**802.11b, Low Channel(30MHz~1GHz)**

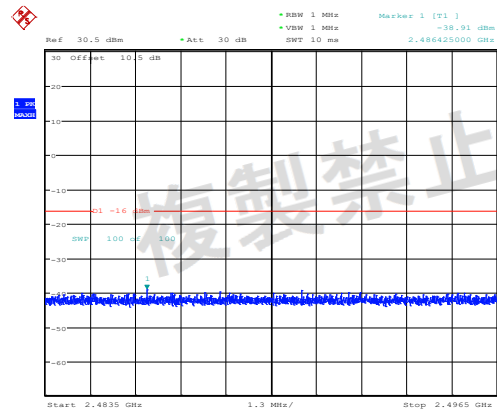
ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 8.JUN.2026 23:36:50

802.11b, Low Channel(1GHz~2.387GHz)

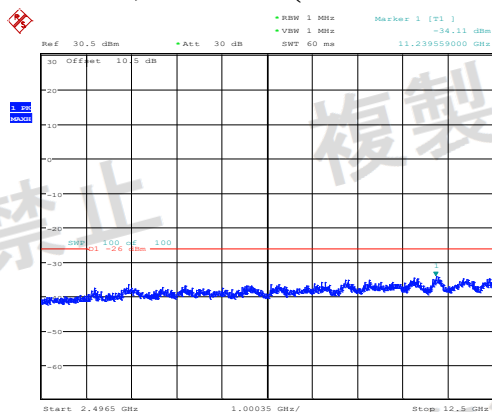
ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 8.JUN.2026 23:37:09

802.11b, Low Channel(2.387GHz~2.4GHz)

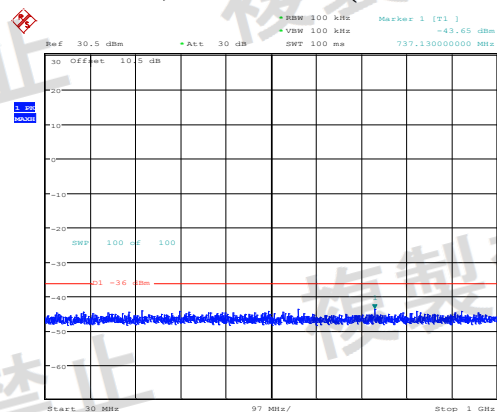
ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 8.JUN.2026 23:37:24

802.11b, Low Channel(2.4835GHz~2.4965GHz)

ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 8.JUN.2026 23:37:40

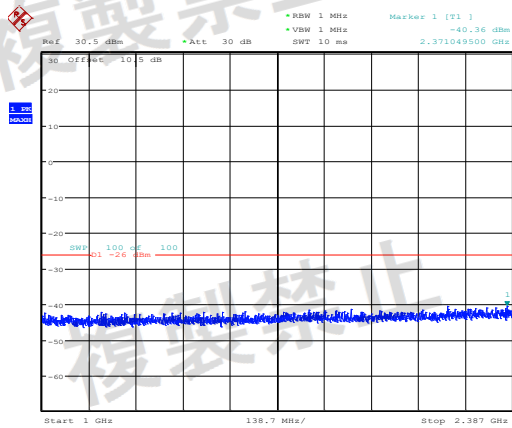
802.11b, Low Channel(2.4965GHz~12.5GHz)

ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 8.JUN.2026 23:38:14

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

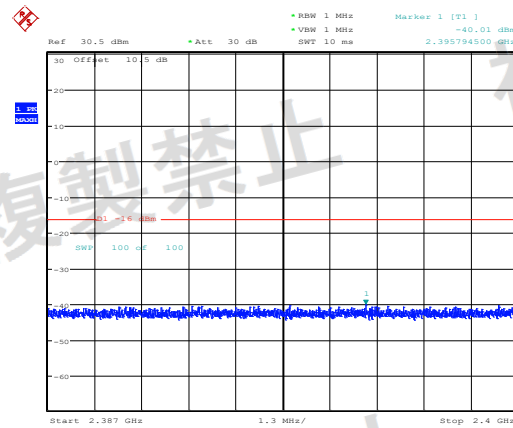
ProjectNo.:2603T14520E-RF Tester:Soey Song
Date: 8.JUN.2026 23:41:56

802.11b, Middle Channel(1GHz~2.387GHz)



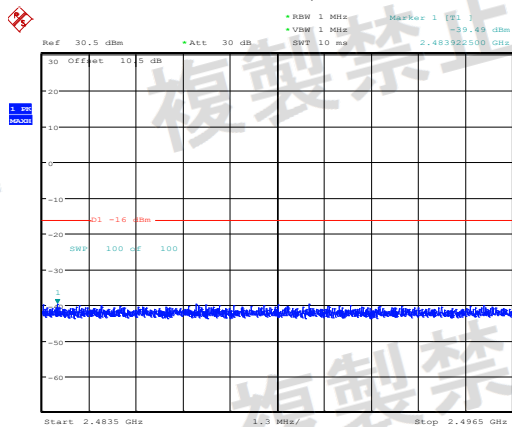
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:42:14

802.11b, Middle Channel(2.387GHz~2.4GHz)



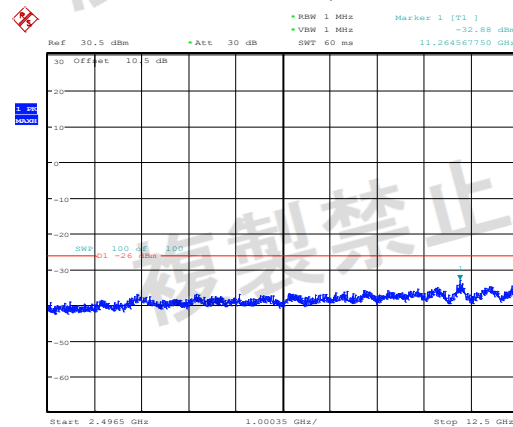
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:42:31

802.11b, Middle Channel(2.4835GHz~2.4965GHz)



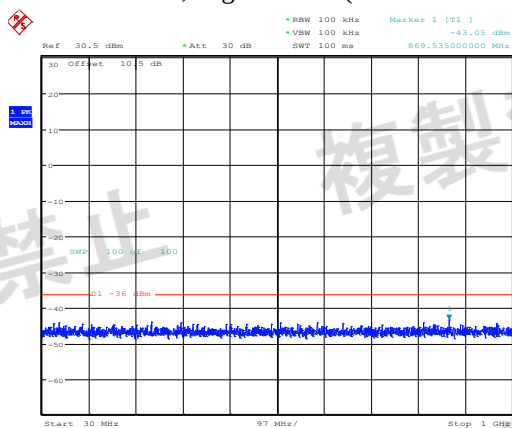
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:42:47

802.11b, Middle Channel(2.4965GHz~12.5GHz)



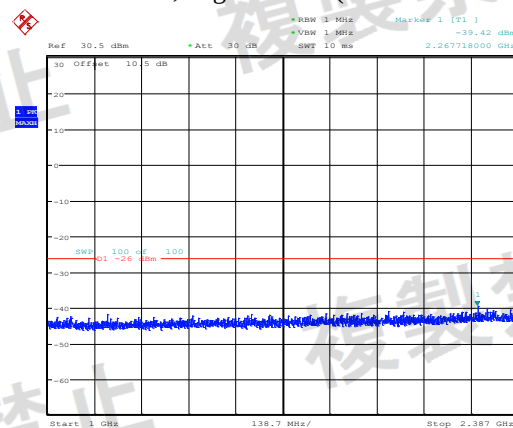
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:43:20

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



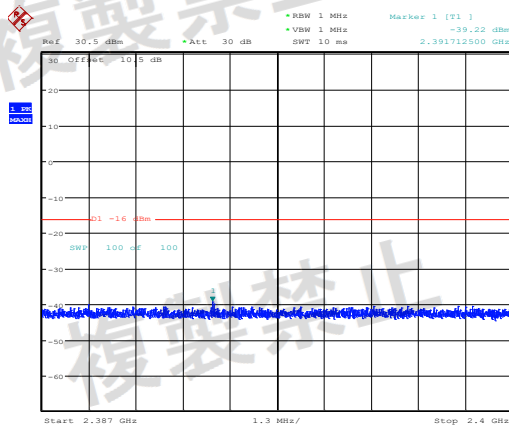
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:46:11

802.11b, High Channel(1GHz~2.387GHz)



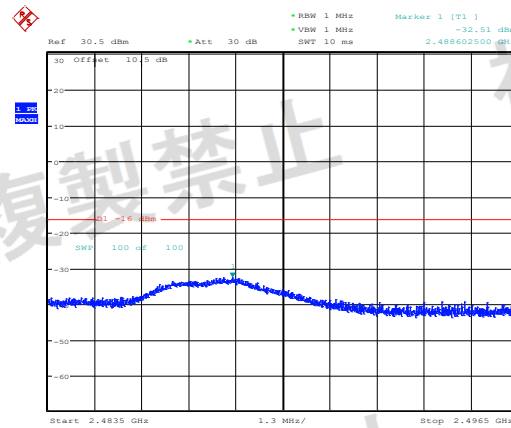
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:46:31

802.11b, High Channel(2.387GHz~2.4GHz)



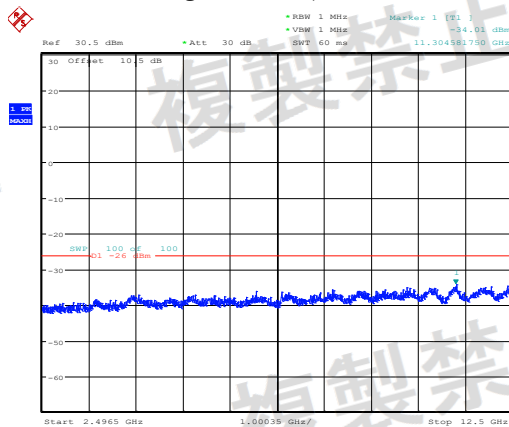
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:46:47

802.11b, High Channel(2.4835GHz~2.4965GHz)



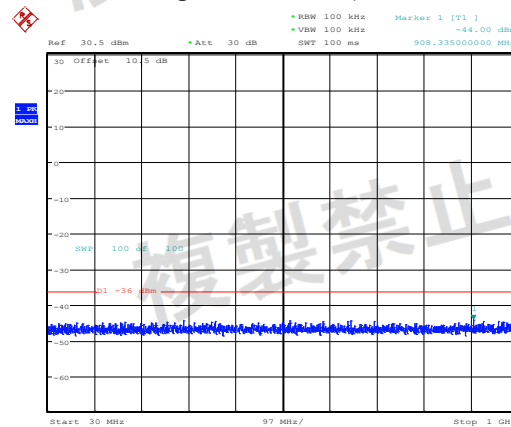
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:47:03

802.11b, High Channel(2.4965GHz~12.5GHz)



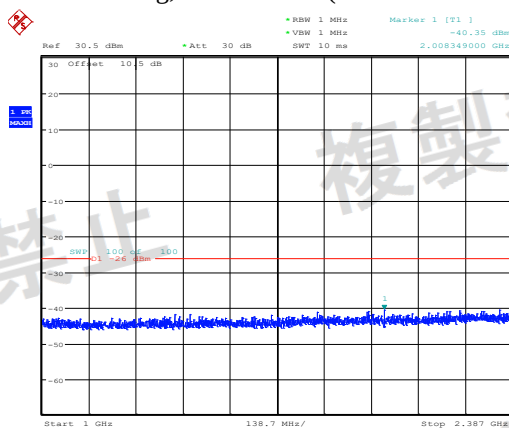
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:47:36

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



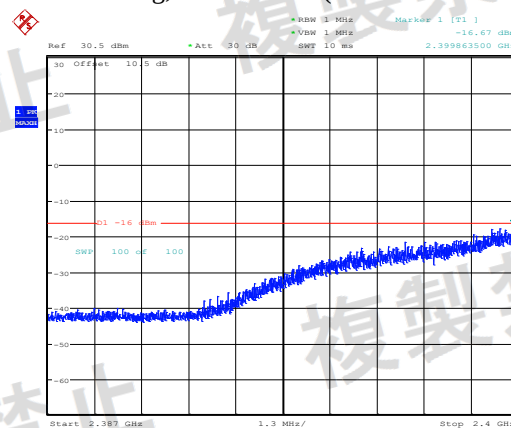
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:50:31

802.11g, Low Channel(1GHz~2.387GHz)



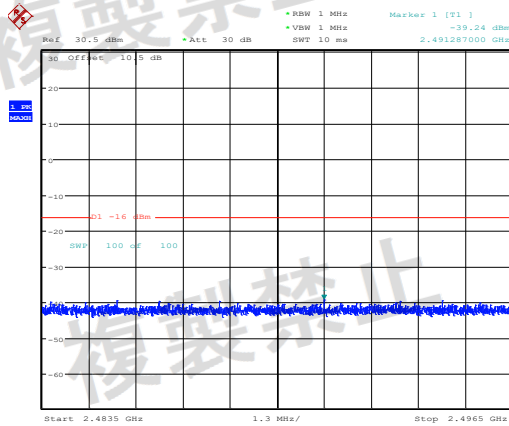
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:50:51

802.11g, Low Channel(2.387GHz~2.4GHz)



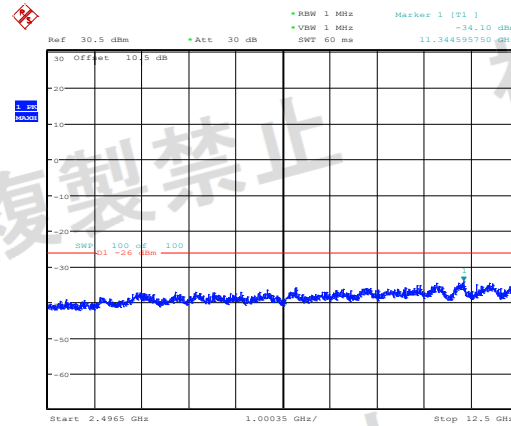
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:51:08

802.11g, Low Channel(2.4835GHz~2.4965GHz)



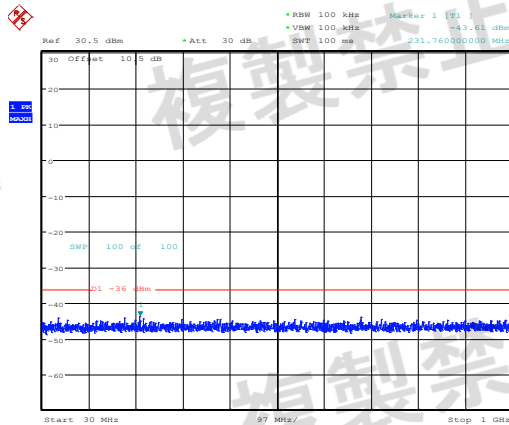
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:51:23

802.11g, Low Channel(2.4965GHz~12.5GHz)



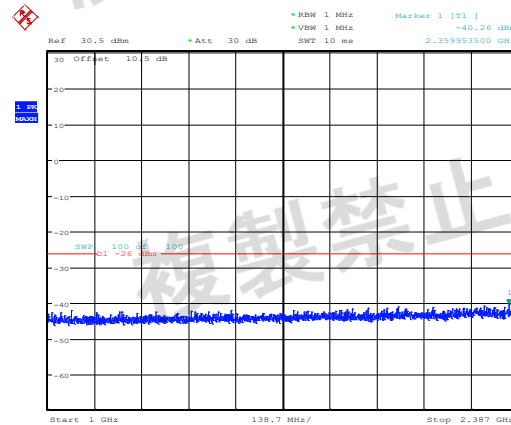
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:51:57

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



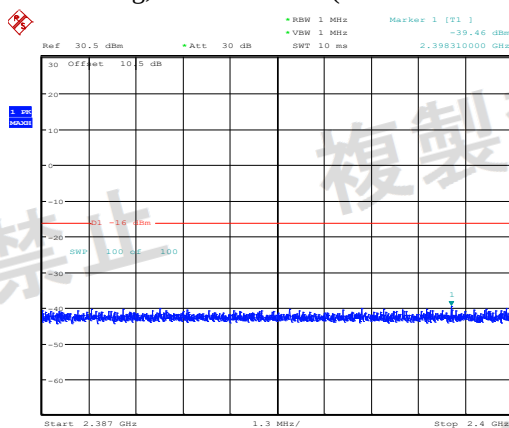
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:54:30

802.11g, Middle Channel(1GHz~2.387GHz)



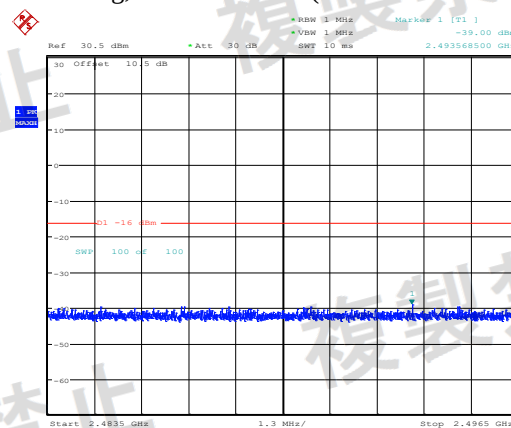
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:54:49

802.11g, Middle Channel(2.387GHz~2.4GHz)



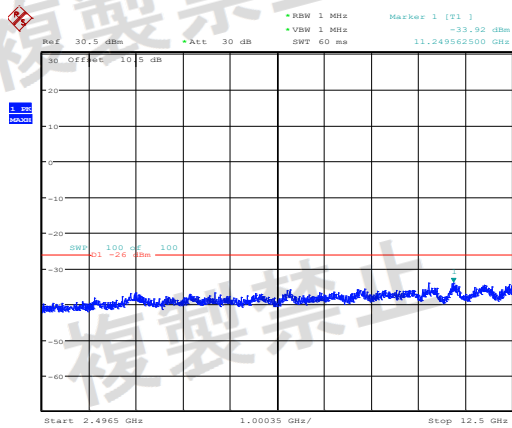
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:55:05

802.11g, Middle Channel(2.4835GHz~2.4965GHz)



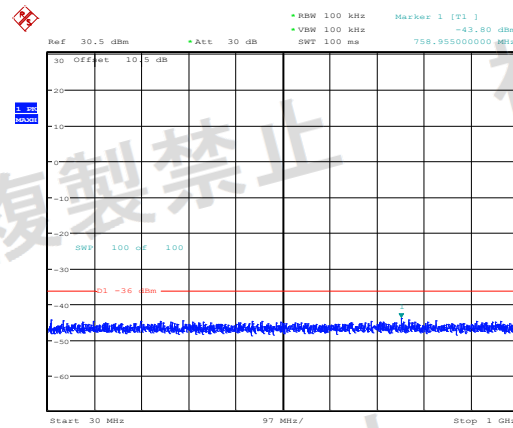
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:55:21

802.11g, Middle Channel(2.4965GHz~12.5GHz)



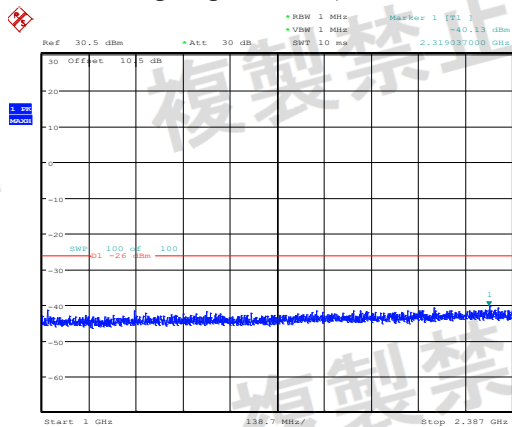
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:55:54

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



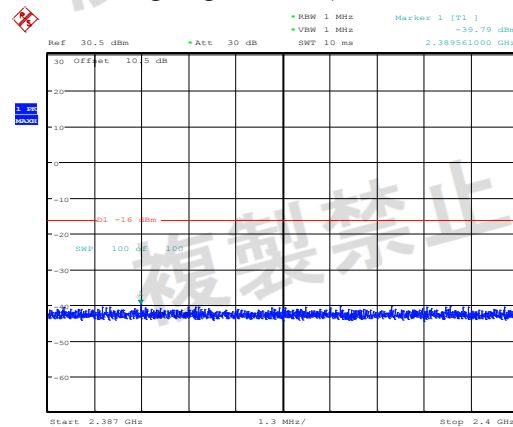
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:58:19

802.11g, High Channel(1GHz~2.387GHz)



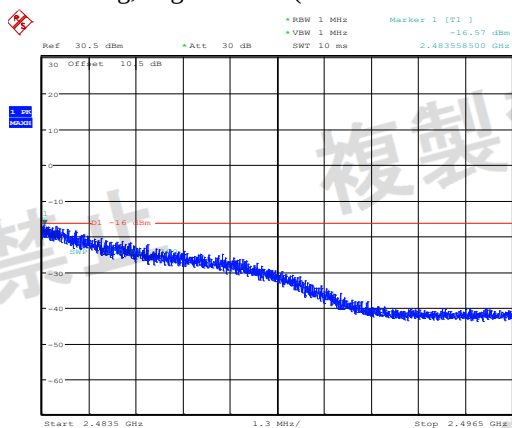
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802.11g, High Channel(2.387GHz~2.4GHz)



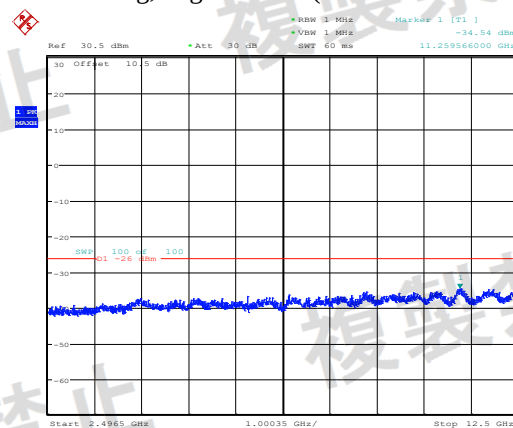
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802.11g, High Channel(2.4835GHz~2.4965GHz)



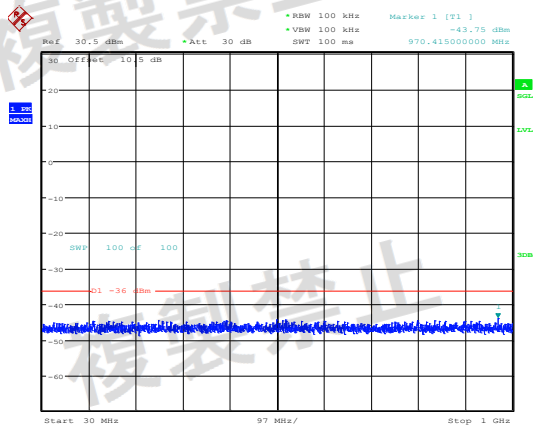
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 23:59:39

802.11g, High Channel(2.4965GHz~12.5GHz)



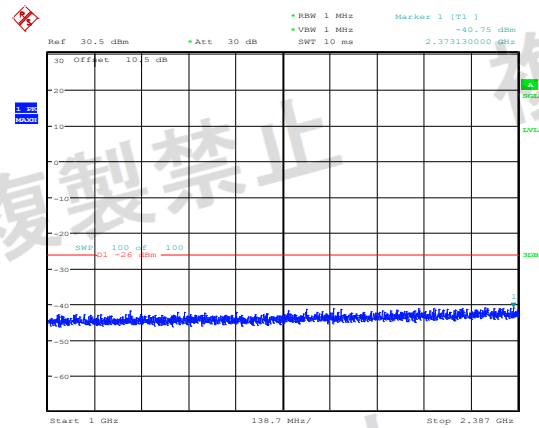
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:00:13

802.11n ht20, Low Channel(30MHz~1GHz)



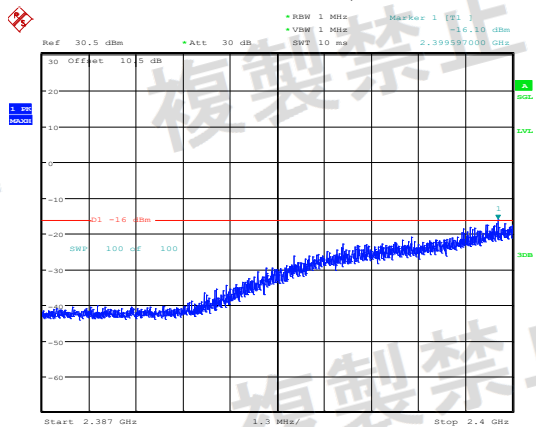
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:04:40

802.11n ht20, Low Channel(1GHz~2.387GHz)



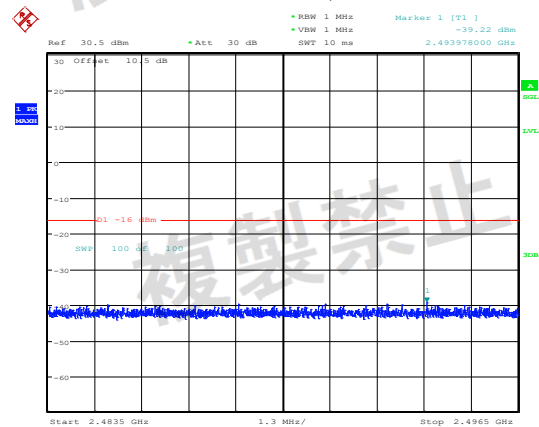
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802.11n ht20, Low Channel(2.387GHz~2.4GHz)



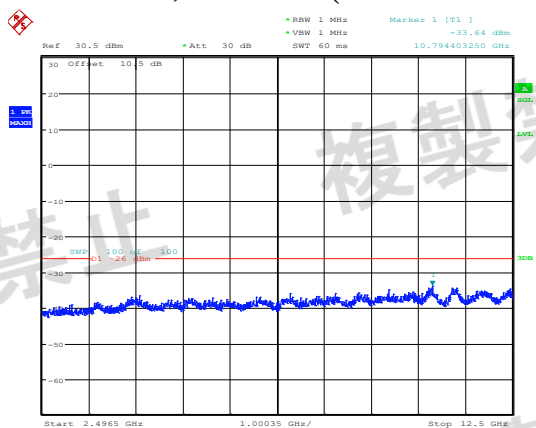
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Date: 9.JUN.2026 00:05:14

802.11n ht20, Low Channel(2.4835GHz~2.4965GHz)



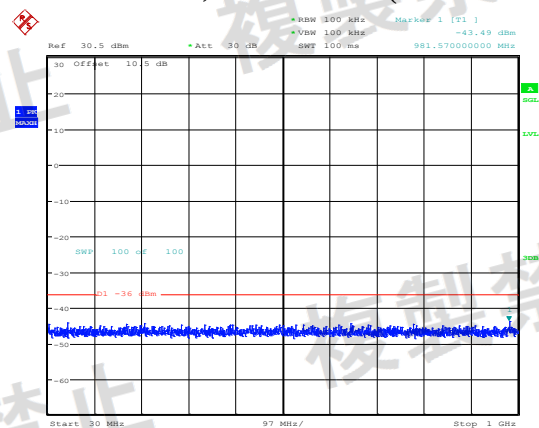
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Date: 9.JUN.2026 00:05:30

802.11n ht20, Low Channel(2.4965GHz~12.5GHz)



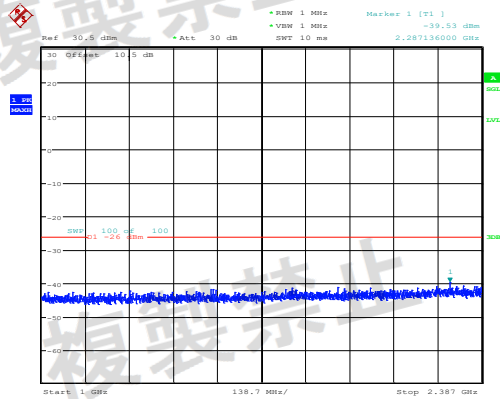
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:06:03

802.11n ht20, Middle Channel(30MHz~1GHz)



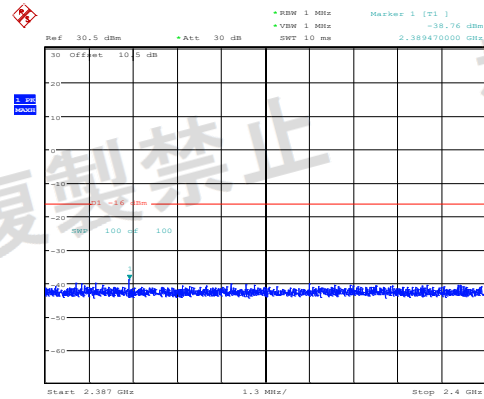
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:09:45

802.11n ht20, Middle Channel(1GHz~2.387GHz)



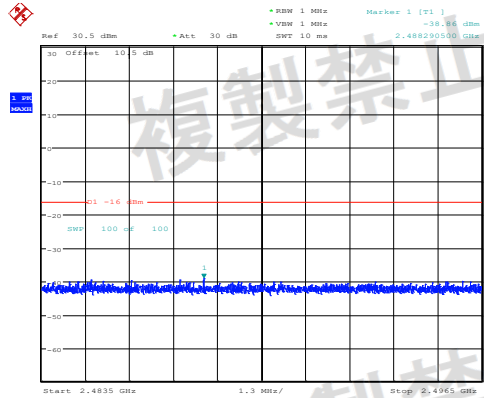
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:10:04

802.11n ht20, Middle Channel(2.387GHz~2.4GHz)



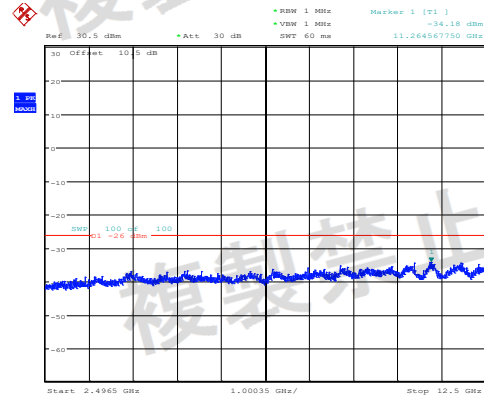
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802.11n ht20, Middle Channel(2.4835GHz~2.4965GHz)



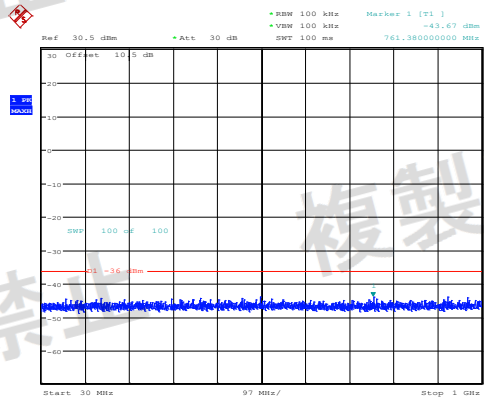
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:10:37

802.11n ht20, Middle Channel(2.4965GHz~12.5GHz)



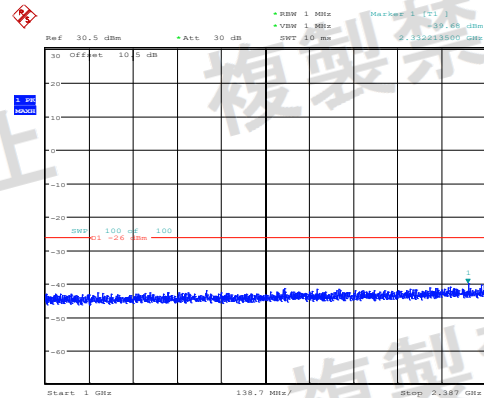
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:11:10

802.11n ht20, High Channel(30MHz~1GHz)



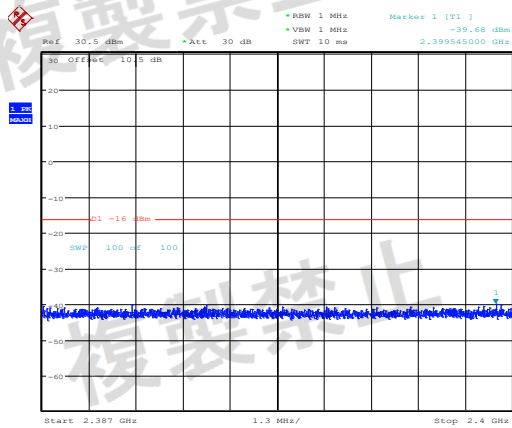
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:14:47

802.11n ht20, High Channel(1GHz~2.387GHz)



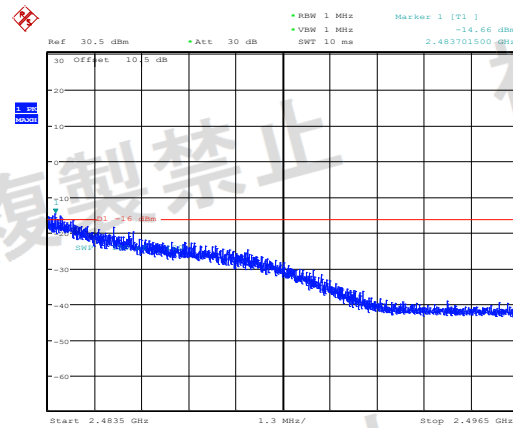
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802.11n ht20, High Channel(2.387GHz~2.4GHz)



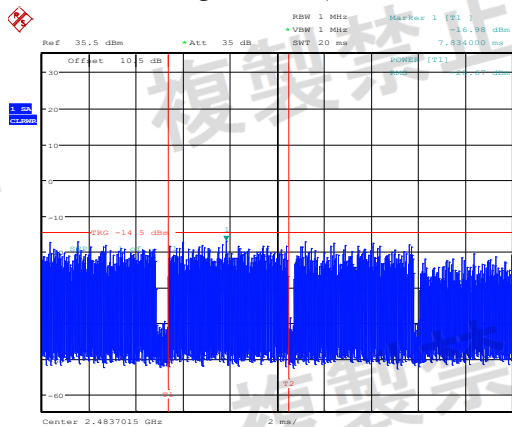
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:15:21

802.11n ht20, High Channel(2.4835GHz~2.4965GHz)



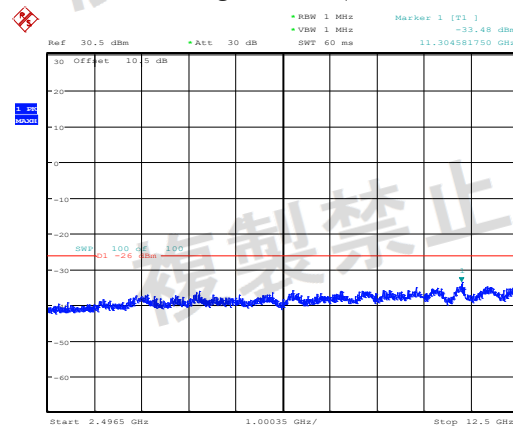
ProjectNo.:2603T14520E-RF Tester:Zoey Song
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802.11n ht20, High Channel(2.4835GHz~2.4965GHz)



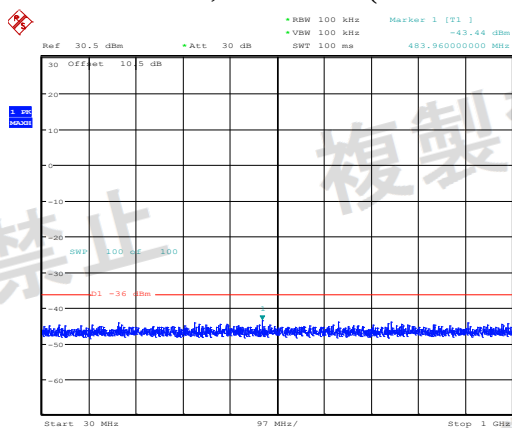
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802.11n ht20, High Channel(2.4965GHz~12.5GHz)



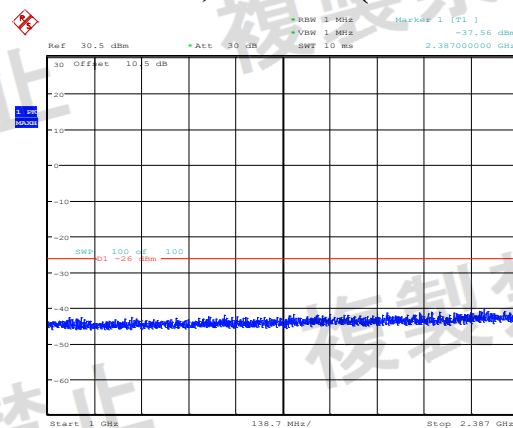
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:20:49

802.11n ht40, Low Channel(30MHz~1GHz)



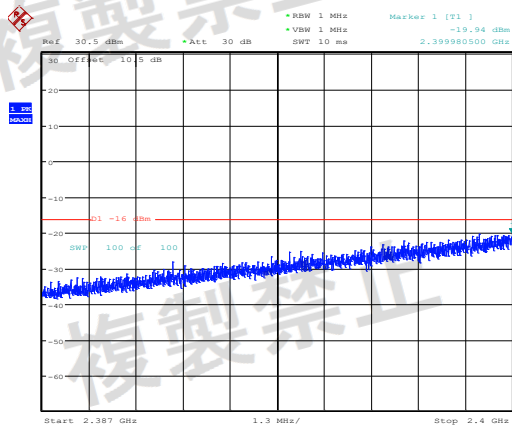
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Date: 9.JUN.2026 00:24:54

802.11n ht40, Low Channel(1GHz~2.387GHz)



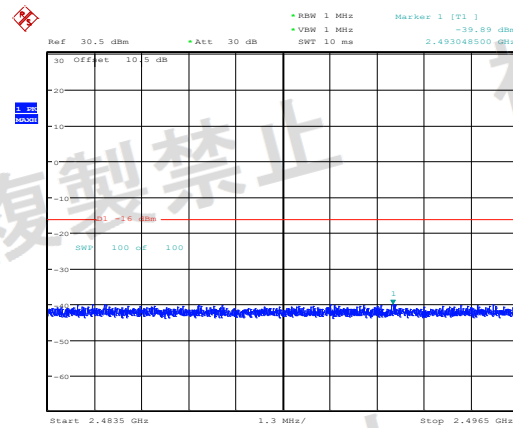
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:25:12

802.11n ht40, Low Channel(2.387GHz~2.4GHz)



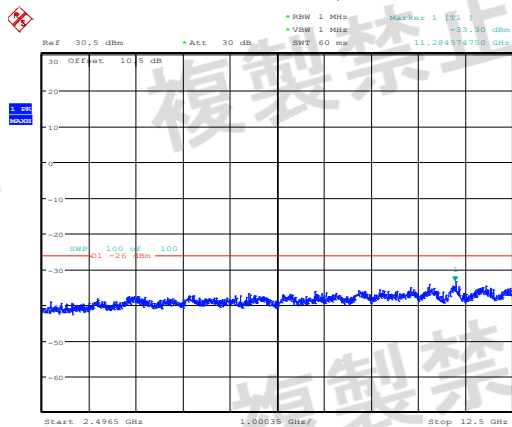
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:25:30

802.11n ht40, Low Channel(2.4835GHz~2.4965GHz)



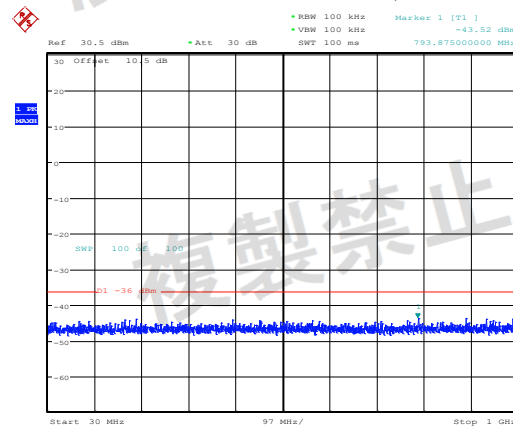
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Date: 9.JUN.2026 00:25:16

802.11n ht40, Low Channel(2.4965GHz~12.5GHz)



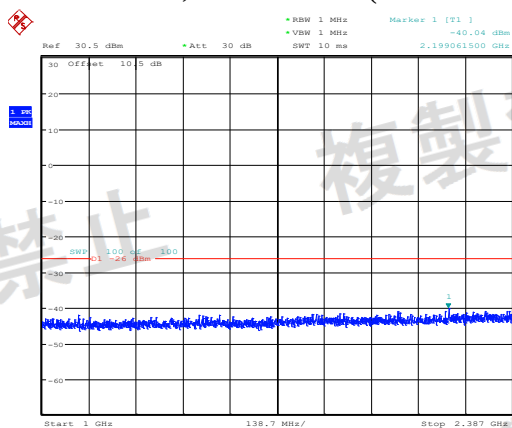
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:26:20

802.11n ht40, Middle Channel(30MHz~1GHz)



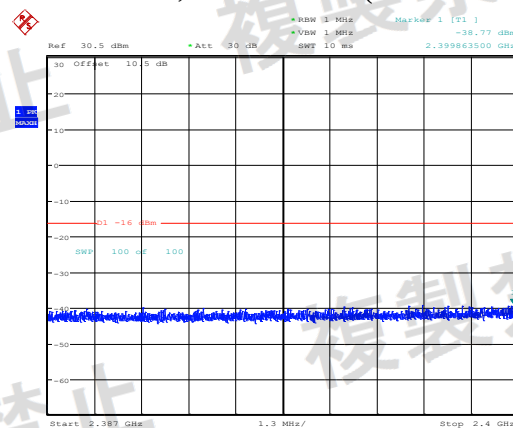
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:30:14

802.11n ht40, Middle Channel(1GHz~2.387GHz)

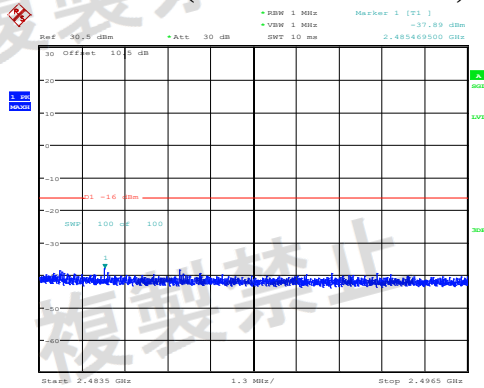


ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:30:32

802.11n ht40, Middle Channel(2.387GHz~2.4GHz)

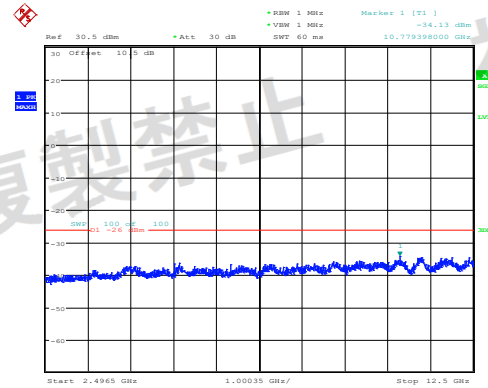


ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:30:48

802.11n ht40, Middle
Channel(2.4835GHz~2.4965GHz)

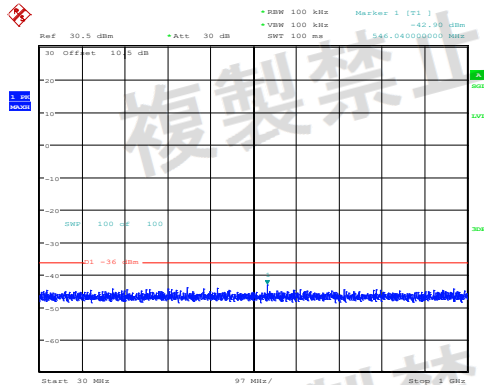
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:31:04

802.11n ht40, Middle Channel(2.4965GHz~12.5GHz)



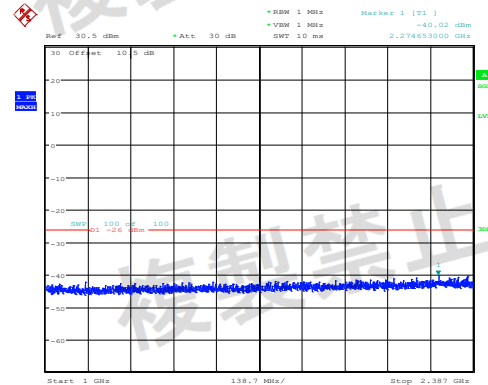
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:31:37

802.11n ht40, High Channel(30MHz~1GHz)



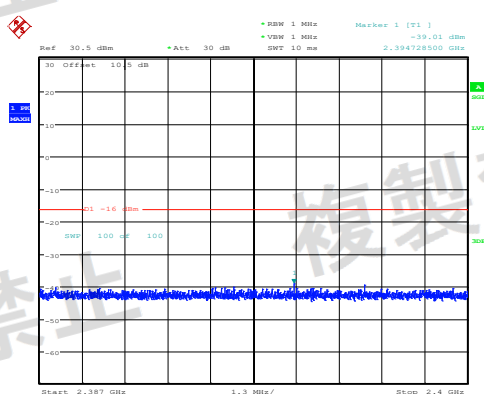
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:34:20

802.11n ht40, High Channel(1GHz~2.387GHz)

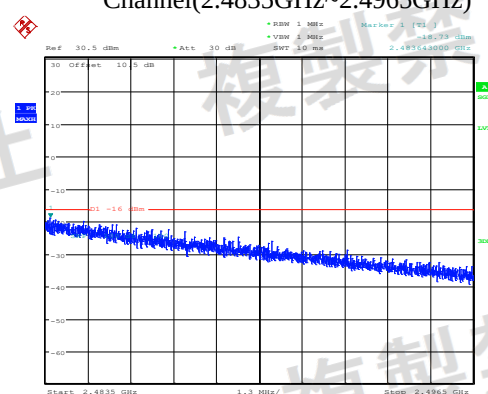


ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:34:38

802.11n ht40, High Channel(2.387GHz~2.4GHz)

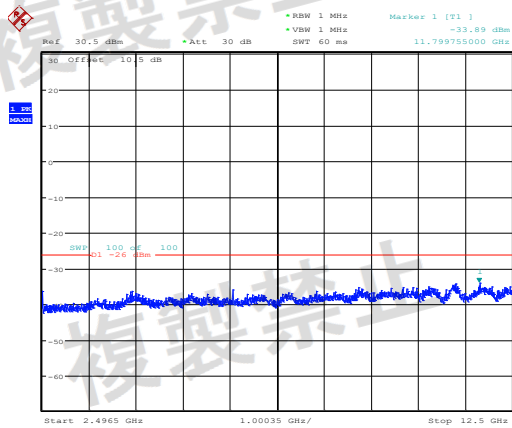


ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 00:34:53

802.11n ht40, High
Channel(2.4835GHz~2.4965GHz)

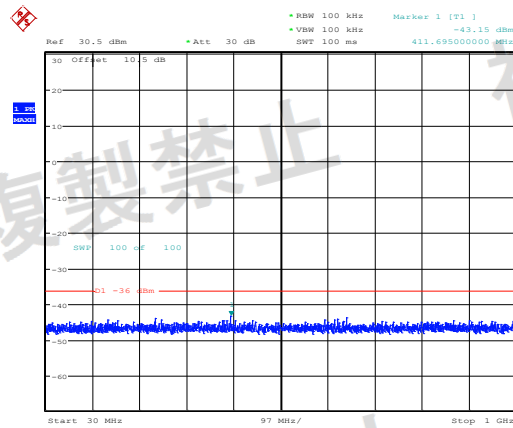
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802.11n ht40, High Channel(2.4965GHz~12.5GHz)



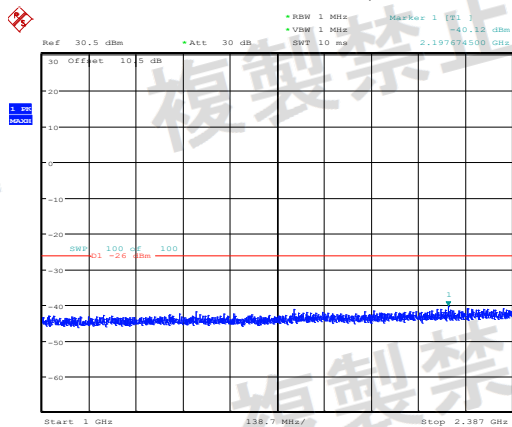
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Date: 9.JUN.2026 00:35:42

802.11ax he20, Low Channel(30MHz~1GHz)



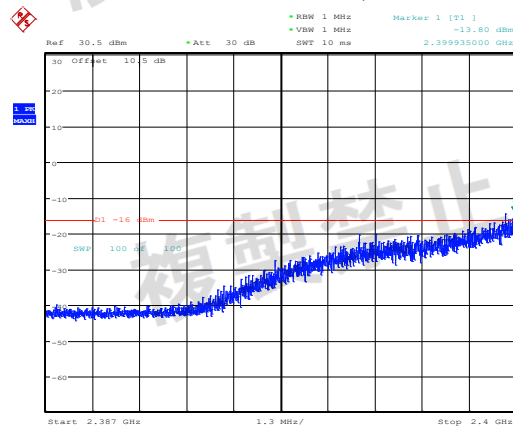
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:00:24

802.11ax he20, Low Channel(1GHz~2.387GHz)



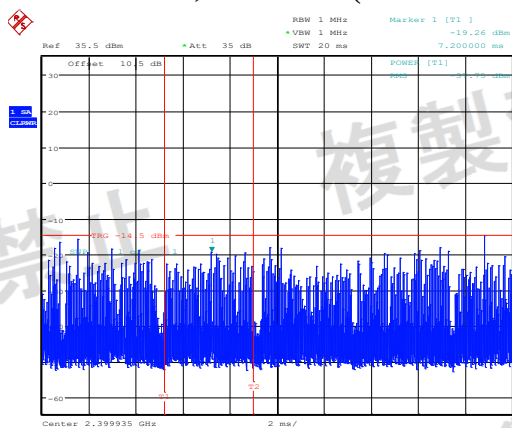
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:00:43

802.11ax he20, Low Channel(2.387GHz~2.4GHz)



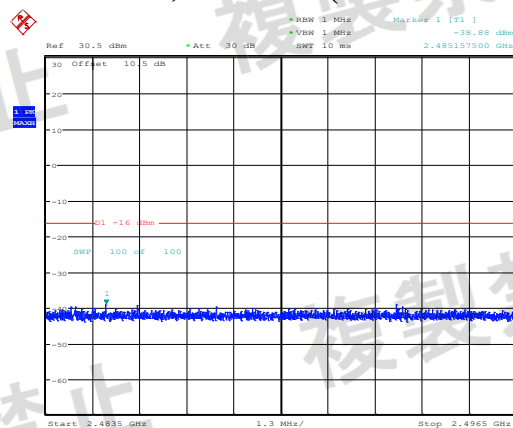
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802.11ax he20, Low Channel(2.387GHz~2.4GHz)



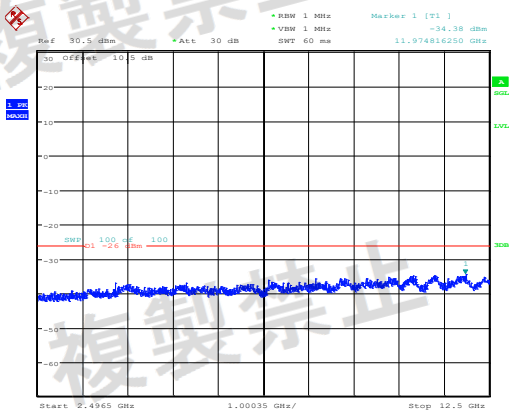
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Date: 9.JUN.2026 20:02:45

802.11ax he20, Low Channel(2.4835GHz~2.4965GHz)



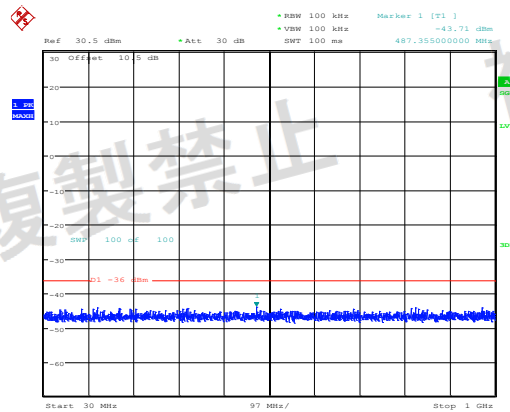
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Date: 9.JUN.2026 20:03:01

802.11ax he20, Low Channel(2.4965GHz~12.5GHz)



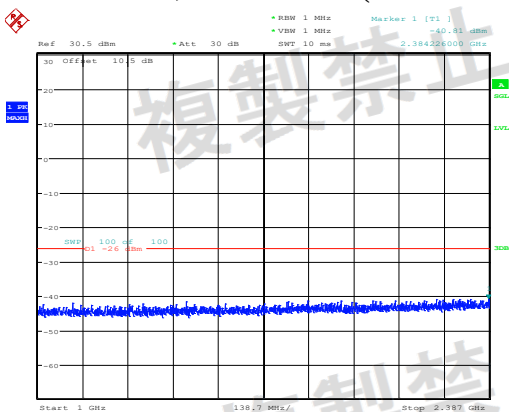
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:03:36

802.11ax he20, Middle Channel(30MHz~1GHz)



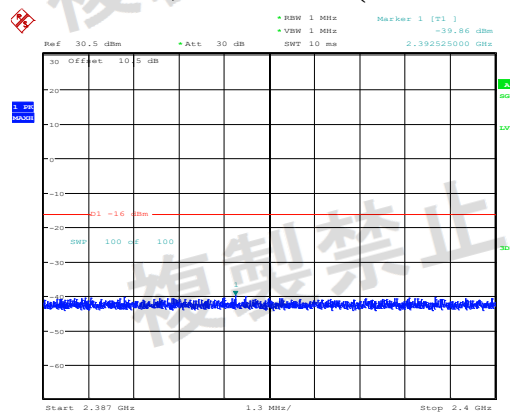
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Date: 9.JUN.2026 20:07:05

802.11ax he20, Middle Channel(1GHz~2.387GHz)



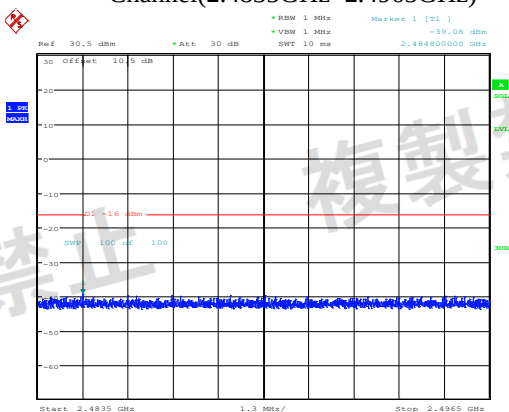
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Date: 9.JUN.2026 20:07:25

802.11ax he20, Middle Channel(2.387GHz~2.4GHz)



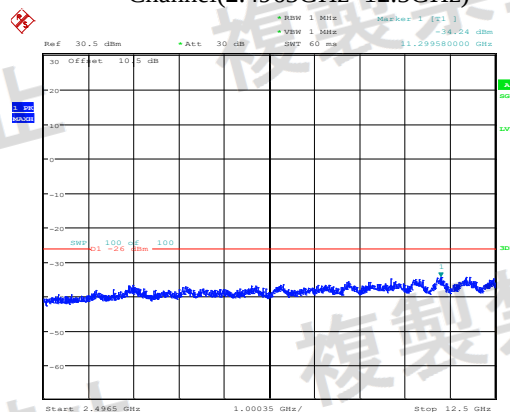
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:07:42

802.11ax he20, Middle Channel(2.4835GHz~2.4965GHz)



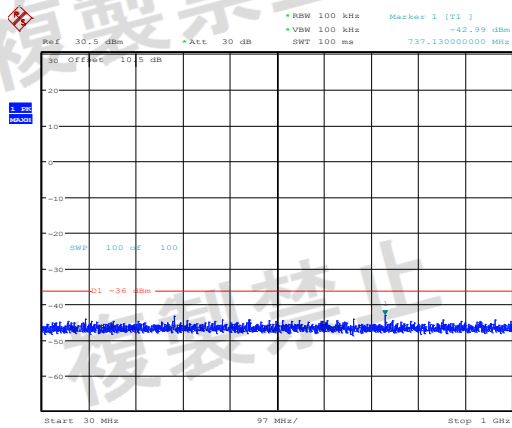
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:07:57

802.11ax he20, Middle Channel(2.4965GHz~12.5GHz)



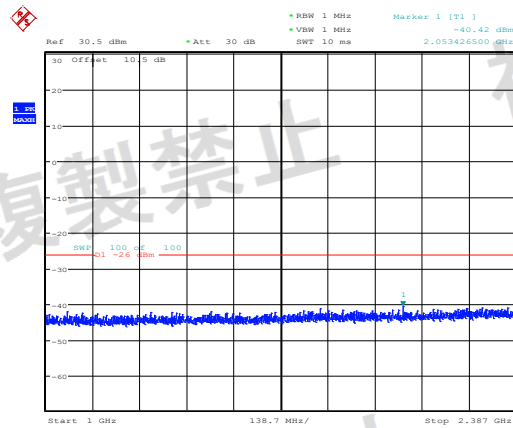
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:08:30

802.11ax he20, High Channel(30MHz~1GHz)



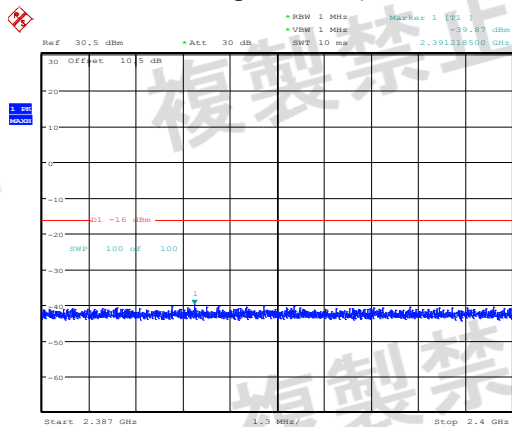
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:11:42

802.11ax he20, High Channel(1GHz~2.387GHz)



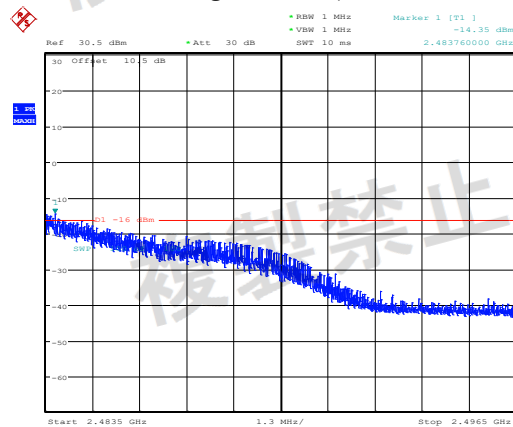
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:12:01

802.11ax he20, High Channel(2.387GHz~2.4GHz)



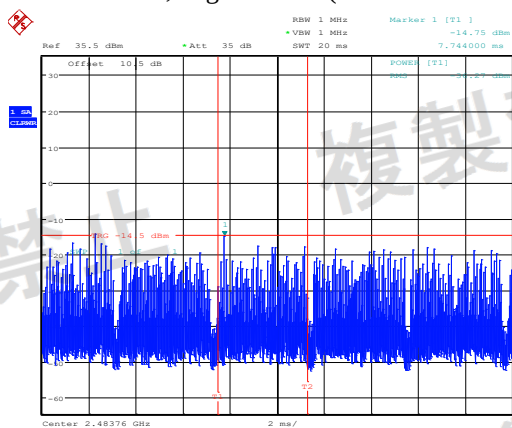
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:12:18

802.11ax he20, High Channel(2.4835GHz~2.4965GHz)



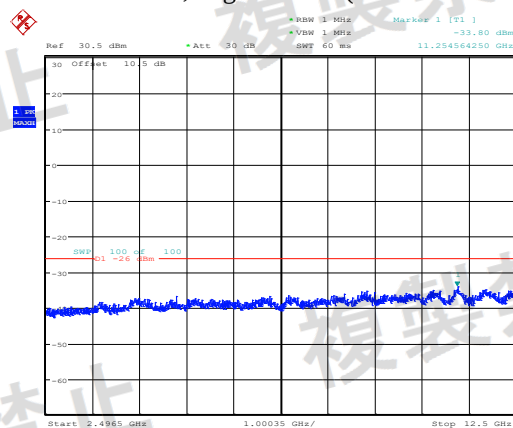
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:12:34

802.11ax he20, High Channel(2.4835GHz~2.4965GHz)



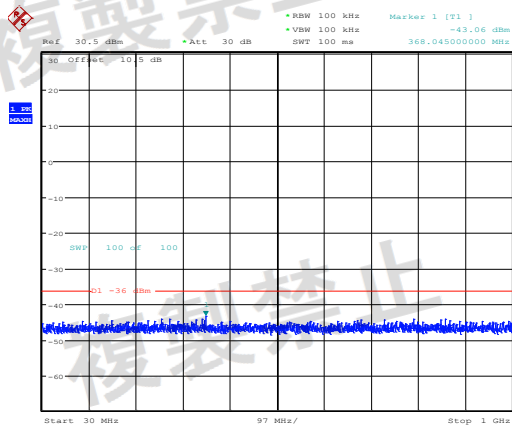
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:14:02

802.11ax he20, High Channel(2.4965GHz~12.5GHz)



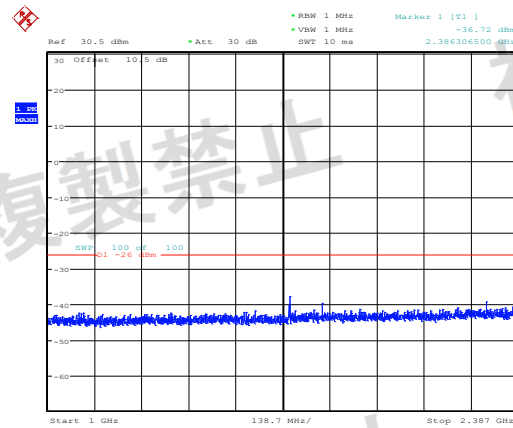
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:14:35

802.11ax he40, Low Channel(30MHz~1GHz)



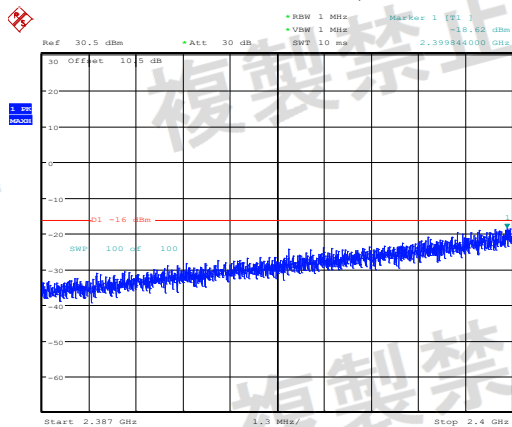
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:17:59

802.11ax he40, Low Channel(1GHz~2.387GHz)



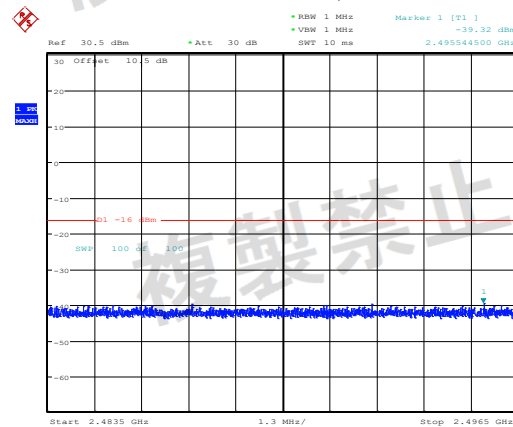
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Date: 9.JUN.2026 20:18:17

802.11ax he40, Low Channel(2.387GHz~2.4GHz)



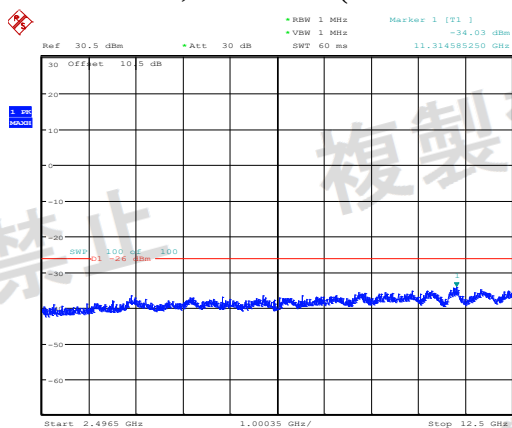
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Date: 9.JUN.2026 20:18:33

802.11ax he40, Low Channel(2.4835GHz~2.4965GHz)



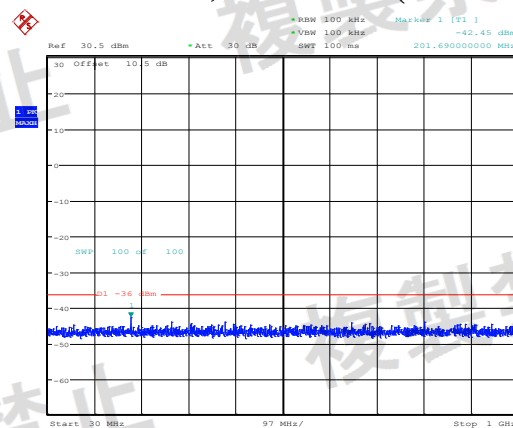
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Date: 9.JUN.2026 20:18:48

802.11ax he40, Low Channel(2.4965GHz~12.5GHz)

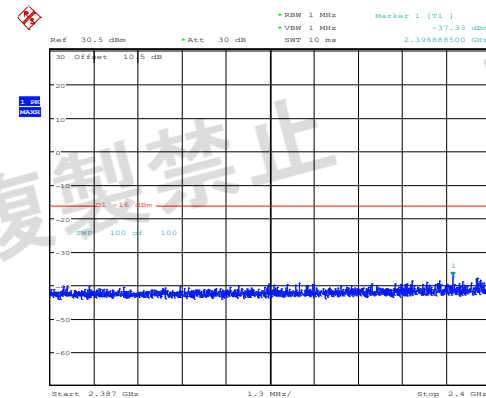


ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 20:19:22

802.11ax he40, Middle Channel(30MHz~1GHz)

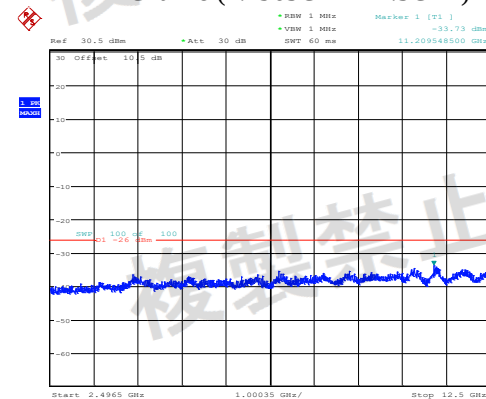


ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 21:35:59



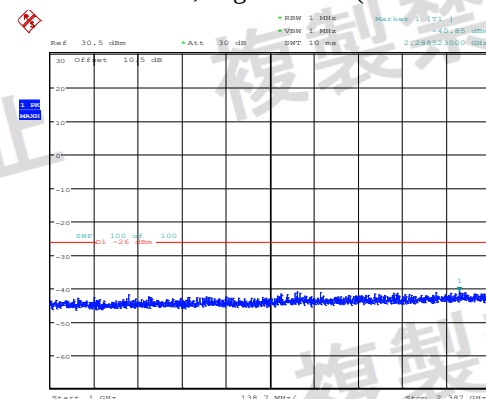
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802.11ax he40, Middle
Channel(2.4965GHz~12.5GHz)



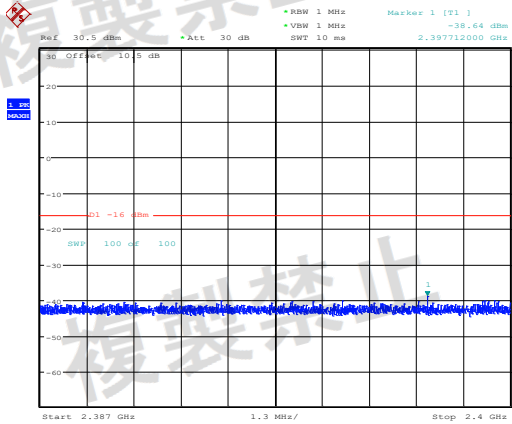
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Date: 9.JUN.2026 21:37:29

802.11ax he40, High Channel(1GHz~2.387GHz)



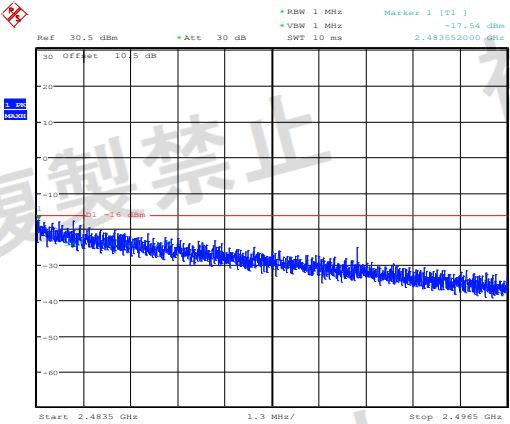
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Date: 9.JUN.2026 21:41:27

802.11ax he40, High Channel(2.387GHz~2.4GHz)



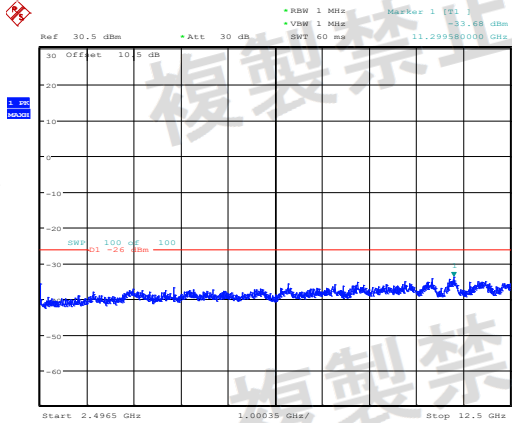
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 21:41:43

802.11ax he40, High Channel(2.4835GHz~2.4965GHz)



ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 21:41:59

802.11ax he40, High Channel(2.4965GHz~12.5GHz)



ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 9.JUN.2026 21:42:32

4.5 Antenna Output Power and Antenna Power Tolerance

Test Result: Compliant

Test Mode: Transmitting

Test Condition: NV

Declared Power:

Mode	Antenna Gain (dBi)	Declared Power (mW/MHz)
802.11b	1.94	1
802.11g		0.3
802.11n ht20		0.3
802.11n ht40		0.2
802.11ax he20		0.4
802.11ax he40		0.2

Mode	Channel	Antenna output power (dBm/MHz)	Antenna output power(mW/MHz)		Antenna output tolerance (%)		EIRP (dBm/MHz)		Verdict
			Result	Limit	Result	Limit	Result	Limit	
802.11b	Low	-2.57	0.553	≤ 10	-44.70	≤ 20	-0.63	≤ 12.14	Pass
	Middle	-0.43	0.906	≤ 10	-9.40	≤ 20	1.51	≤ 12.14	Pass
	High	-0.09	0.979	≤ 10	-2.10	≤ 20	1.85	≤ 12.14	Pass
802.11g	Low	-5.74	0.267	≤ 10	-11.00	≤ 20	-3.79	≤ 12.14	Pass
	Middle	-5.23	0.300	≤ 10	0.00	≤ 20	-3.29	≤ 12.14	Pass
	High	-6.69	0.214	≤ 10	-28.67	≤ 20	-4.76	≤ 12.14	Pass
802.11n ht20	Low	-5.93	0.255	≤ 10	-15.00	≤ 20	-3.99	≤ 12.14	Pass
	Middle	-5.85	0.260	≤ 10	-13.33	≤ 20	-3.91	≤ 12.14	Pass
	High	-5.69	0.270	≤ 10	-10.00	≤ 20	-3.75	≤ 12.14	Pass
802.11n ht40	Low	-9.90	0.102	≤ 5	-49.00	≤ 20	-7.97	≤ 9.13	Pass
	Middle	-9.32	0.117	≤ 5	-41.50	≤ 20	-7.38	≤ 9.13	Pass
	High	-8.97	0.127	≤ 5	-36.50	≤ 20	-7.02	≤ 9.13	Pass
802.11ax he20	Low	-5.39	0.289	≤ 10	-27.75	≤ 20	-3.45	≤ 12.14	Pass
	Middle	-4.52	0.353	≤ 10	-11.75	≤ 20	-2.58	≤ 12.14	Pass
	High	-5.01	0.316	≤ 10	-21.00	≤ 20	-3.06	≤ 12.14	Pass
802.11ax he40	Low	-9.09	0.123	≤ 5	-38.50	≤ 20	-7.16	≤ 9.13	Pass
	Middle	-8.55	0.140	≤ 5	-30.00	≤ 20	-6.60	≤ 9.13	Pass
	High	-8.59	0.138	≤ 5	-31.00	≤ 20	-6.66	≤ 9.13	Pass

Note:

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

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

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

4.6 Receiver Spurious Emission and Unwanted Emission Intensity

Test Result: Compliant, please see the below tables and plots

Test Mode: Receiving

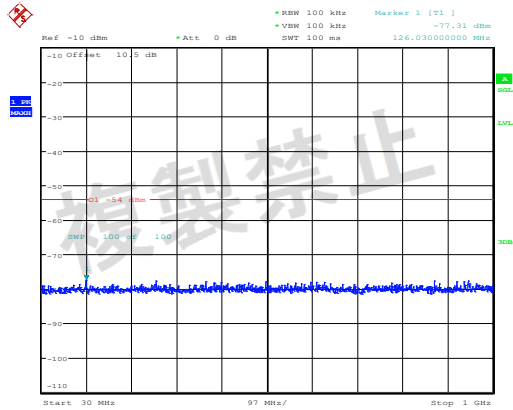
Test Condition: NV

Mode	Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm)	Result (nW)	Limit (nW)	Verdict
			Start(MHz)	Stop(MHz)					
802.11b	Low	Band I (100kHz)	30	1000	126.03	-77.31	0.019	4	Pass
		Band II (1MHz)	1000	12500	11246.5	-64.19	0.381	20	Pass
	Middle	Band I (100kHz)	30	1000	779.81	-76.43	0.023	4	Pass
		Band II (1MHz)	1000	12500	11936.5	-63.81	0.416	20	Pass
	High	Band I (100kHz)	30	1000	711.91	-71.63	0.069	4	Pass
		Band II (1MHz)	1000	12500	11246.5	-63.73	0.424	20	Pass
802.11g	Low	Band I (100kHz)	30	1000	732.28	-56.38	2.301	4	Pass
		Band II (1MHz)	1000	12500	2449	-58.85	1.303	20	Pass
	Middle	Band I (100kHz)	30	1000	475.23	-77.06	0.020	4	Pass
		Band II (1MHz)	1000	12500	11246.5	-63.94	0.404	20	Pass
	High	Band I (100kHz)	30	1000	729.37	-62.41	0.574	4	Pass
		Band II (1MHz)	1000	12500	11258	-63.58	0.439	20	Pass
802.11n ht20	Low	Band I (100kHz)	30	1000	730.34	-67.28	0.187	4	Pass
		Band II (1MHz)	1000	12500	12373.5	-64.28	0.373	20	Pass
	Middle	Band I (100kHz)	30	1000	732.28	-61.02	0.791	4	Pass
		Band II (1MHz)	1000	12500	2403	-61.17	0.764	20	Pass
	High	Band I (100kHz)	30	1000	981.57	-76.33	0.023	4	Pass
		Band II (1MHz)	1000	12500	2403	-60.51	0.889	20	Pass
802.11n ht40	Low	Band I (100kHz)	30	1000	819.58	-76.95	0.020	4	Pass
		Band II (1MHz)	1000	12500	11235	-63.55	0.442	20	Pass
	Middle	Band I (100kHz)	30	1000	732.28	-68.74	0.134	4	Pass
		Band II (1MHz)	1000	12500	11246.5	-63.01	0.500	20	Pass
	High	Band I (100kHz)	30	1000	704.15	-56.11	2.449	4	Pass
		Band II (1MHz)	1000	12500	2403	-63.12	0.488	20	Pass
802.11ax he20	Low	Band I (100kHz)	30	1000	721.61	-68.57	0.139	4	Pass
		Band II (1MHz)	1000	12500	12339	-63.91	0.406	20	Pass
	Middle	Band I (100kHz)	30	1000	708.03	-70.29	0.094	4	Pass
		Band II (1MHz)	1000	12500	11212	-64.41	0.362	20	Pass
	High	Band I (100kHz)	30	1000	727.43	-70.34	0.092	4	Pass
		Band II (1MHz)	1000	12500	11833	-63.95	0.403	20	Pass
802.11ax he40	Low	Band I (100kHz)	30	1000	709	-76.99	0.020	4	Pass
		Band II (1MHz)	1000	12500	11856	-63.80	0.417	20	Pass
	Middle	Band I (100kHz)	30	1000	958.29	-76.90	0.020	4	Pass
		Band II (1MHz)	1000	12500	12431	-64.21	0.379	20	Pass
	High	Band I (100kHz)	30	1000	705.12	-69.60	0.110	4	Pass
		Band II (1MHz)	1000	12500	11315.5	-64.40	0.363	20	Pass

Please refer to the below plots for normal voltage test.

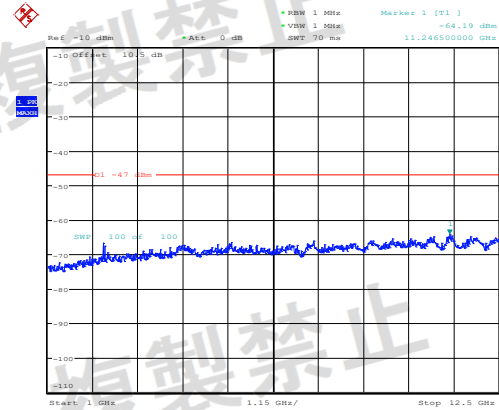
Test Condition: NV

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



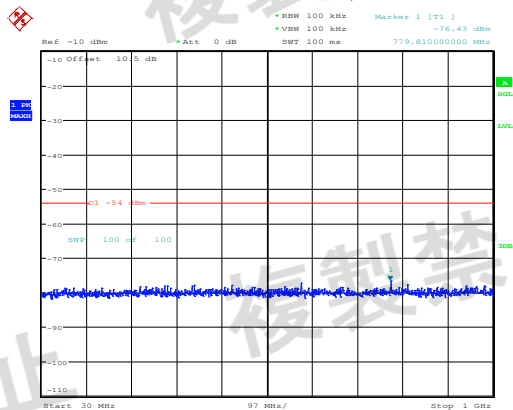
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 21:11:36

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



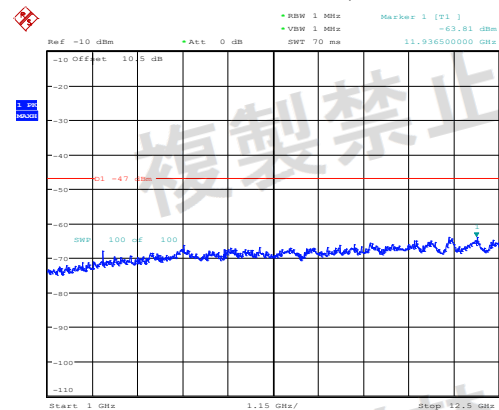
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802.11b, Middle Channel(30MHz~1GHz)



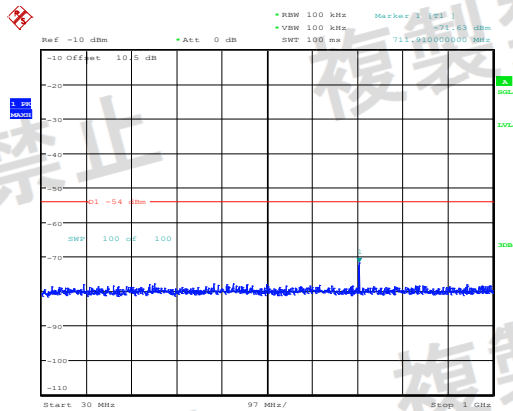
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Date: 8.JUN.2026 21:12:32

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



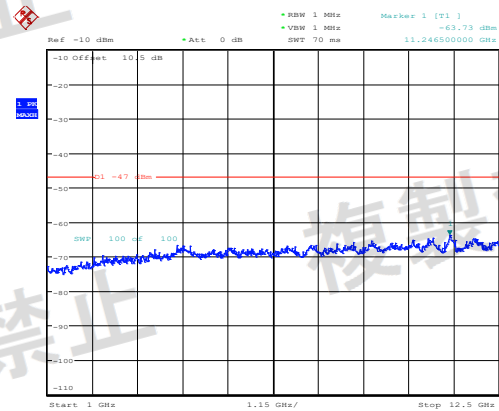
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802.11b, High Channel(30MHz~1GHz)



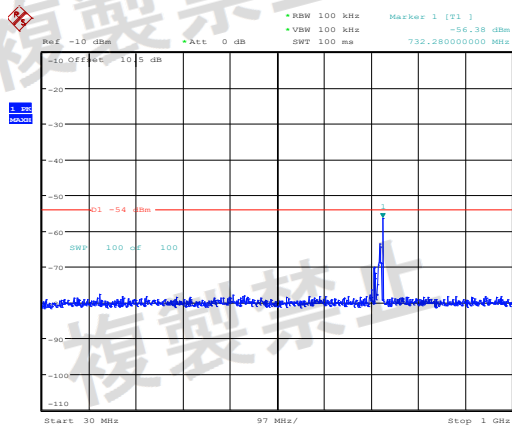
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802.11b, High Channel(1GHz~12.5GHz)



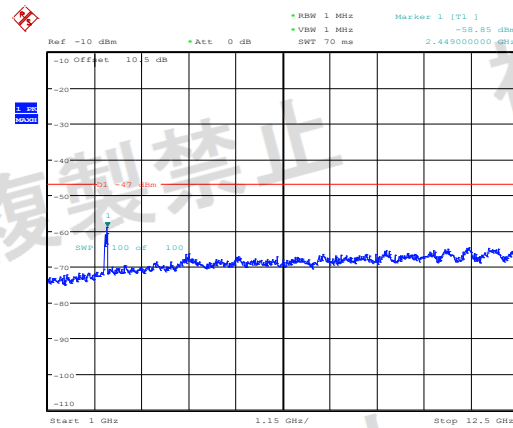
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 21:14:32

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



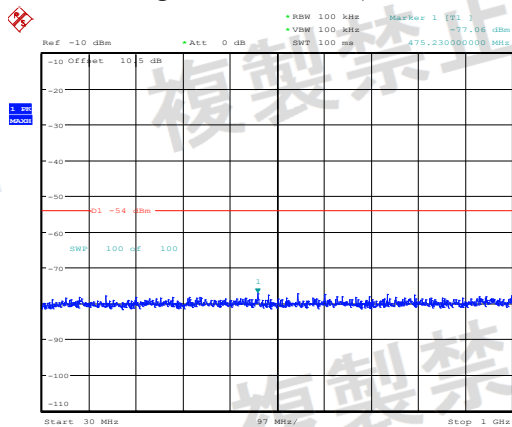
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802.11g, Low Channel(1GHz~12.5GHz)



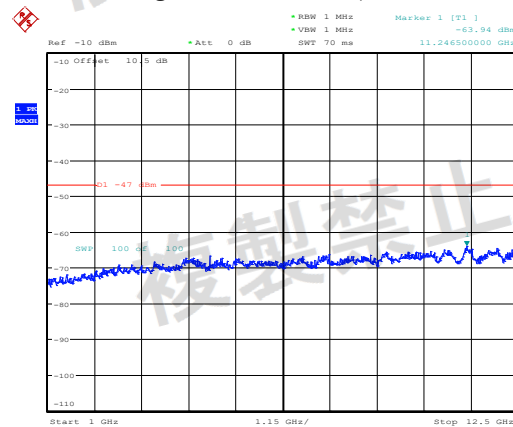
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Date: 8.JUN.2026 21:15:10

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



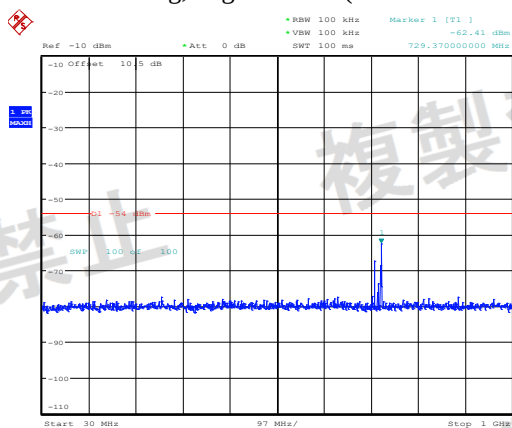
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802.11g, Middle Channel(1GHz~12.5GHz)



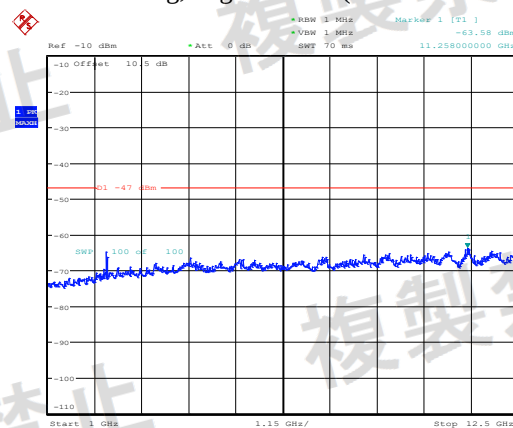
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802.11g, High Channel(30MHz~1GHz)



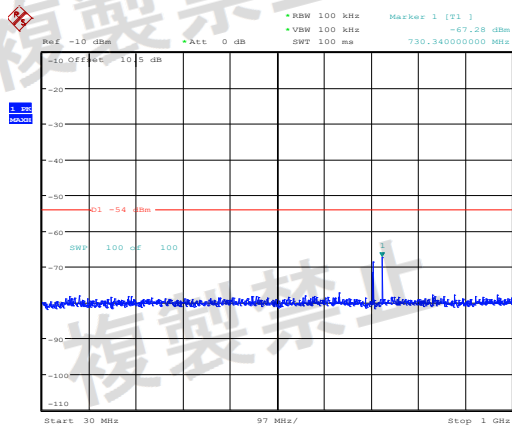
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802.11g, High Channel(1GHz~12.5GHz)



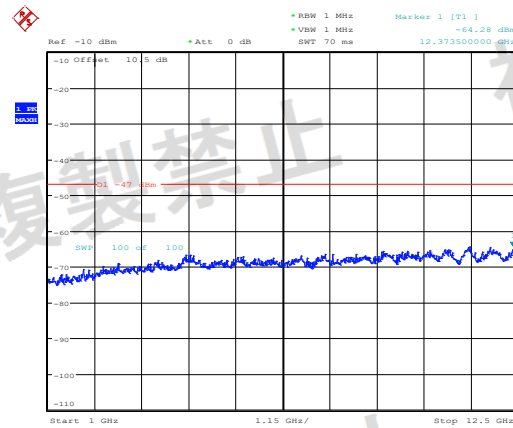
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Date: 8.JUN.2026 21:17:33

802.11n ht20, Low Channel(30MHz~1GHz)



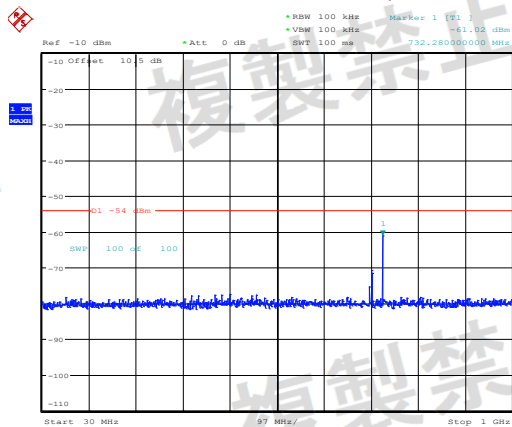
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Date: 8.JUN.2026 21:18:09

802.11n ht20, Low Channel(1GHz~12.5GHz)



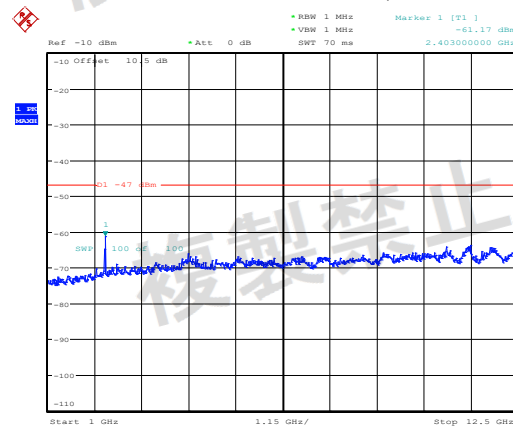
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Date: 8.JUN.2026 21:18:10

802.11n ht20, Middle Channel(30MHz~1GHz)



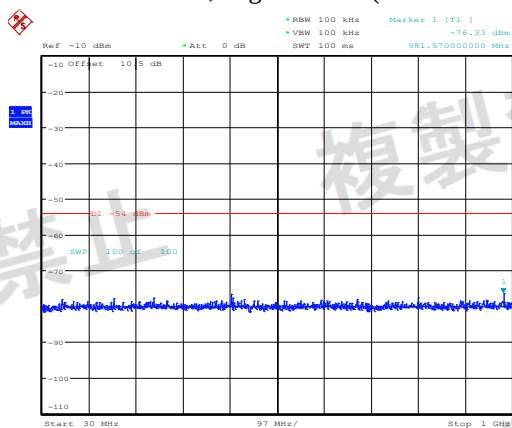
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Date: 8.JUN.2026 21:19:02

802.11n ht20, Middle Channel(1GHz~12.5GHz)



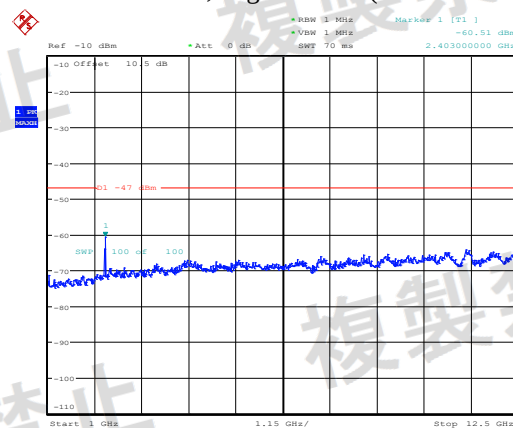
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802.11n ht20, High Channel(30MHz~1GHz)



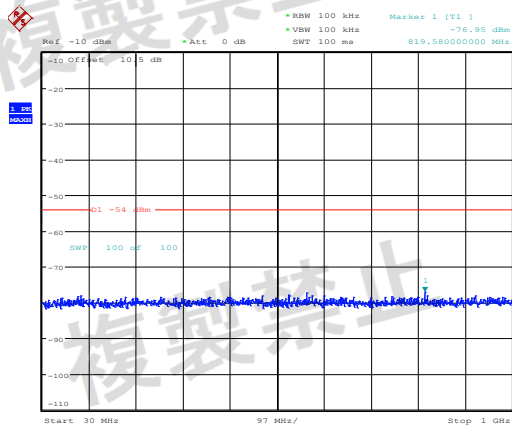
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Date: 8.JUN.2026 21:19:57

802.11n ht20, High Channel(1GHz~12.5GHz)



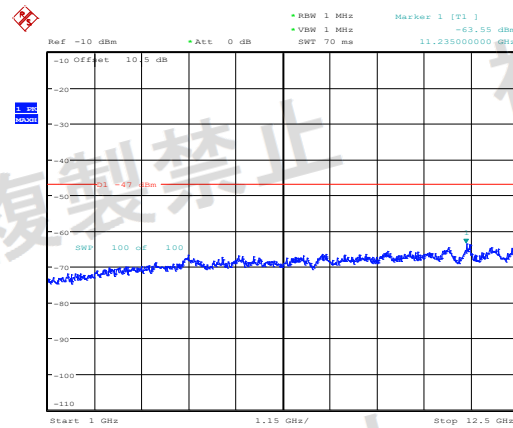
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Date: 8.JUN.2026 21:20:30

802.11n ht40, Low Channel(30MHz~1GHz)



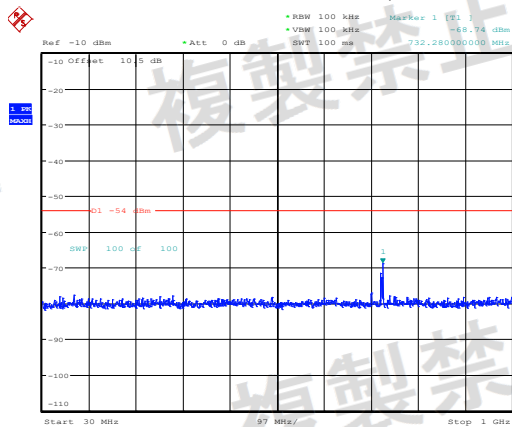
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Date: 8.JUN.2026 21:20:52

802.11n ht40, Low Channel(1GHz~12.5GHz)



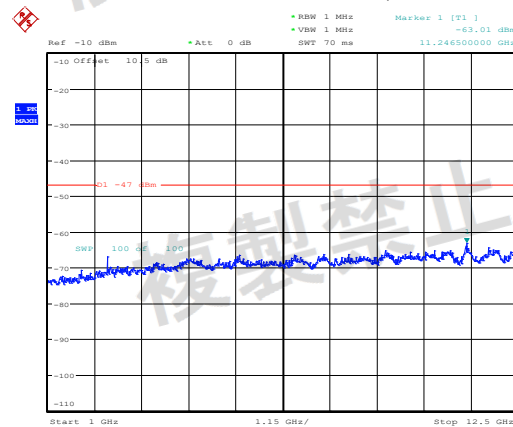
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Date: 8.JUN.2026 21:21:24

802.11n ht40, Middle Channel(30MHz~1GHz)



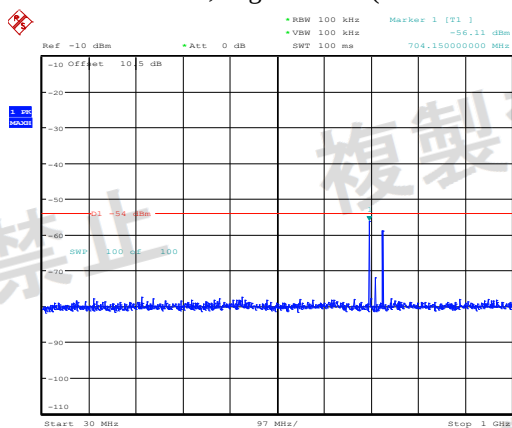
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Date: 8.JUN.2026 21:21:46

802.11n ht40, Middle Channel(1GHz~12.5GHz)



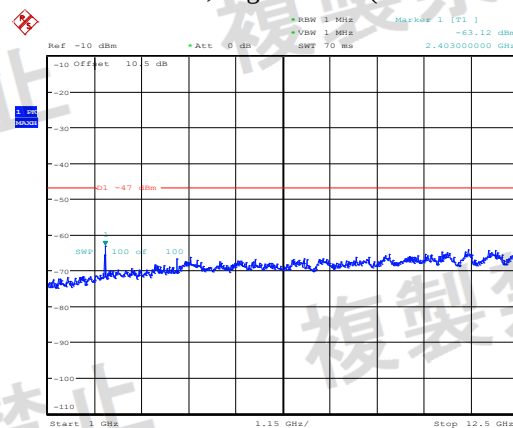
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 21:22:18

802.11n ht40, High Channel(30MHz~1GHz)



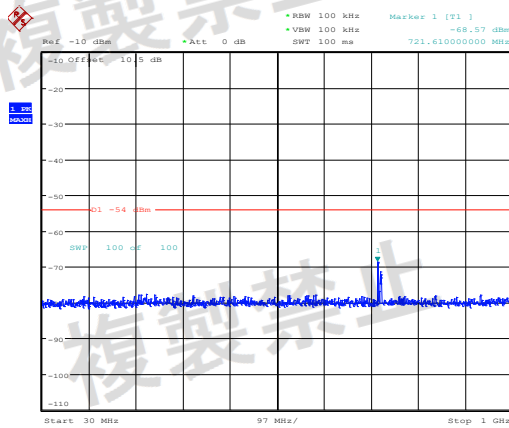
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 21:22:49

802.11n ht40, High Channel(1GHz~12.5GHz)



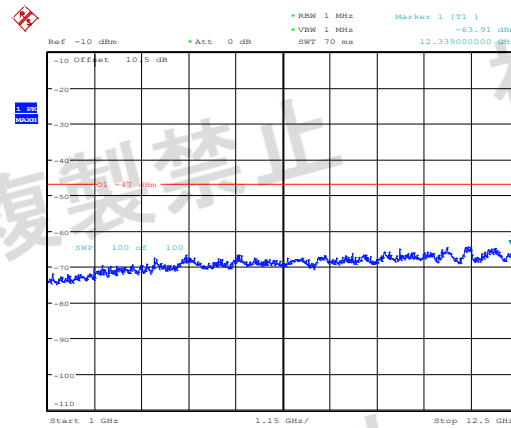
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 21:23:21

802.11ax he20, Low Channel(30MHz~1GHz)



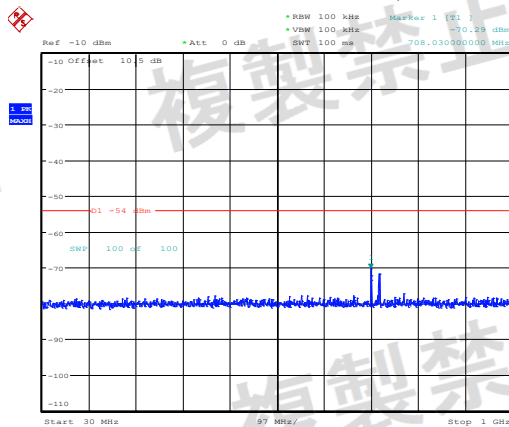
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:24:57

802.11ax he20, Low Channel(1GHz~12.5GHz)



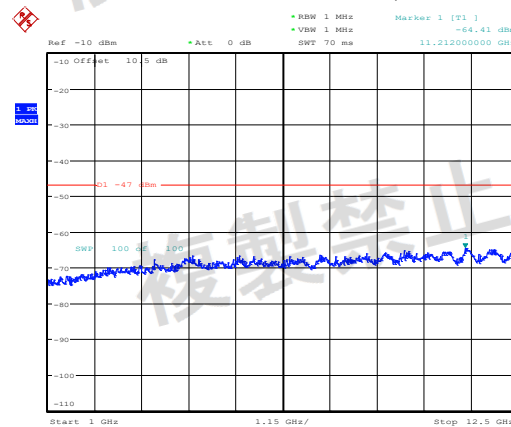
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:25:28

802.11ax he20, Middle Channel(30MHz~1GHz)



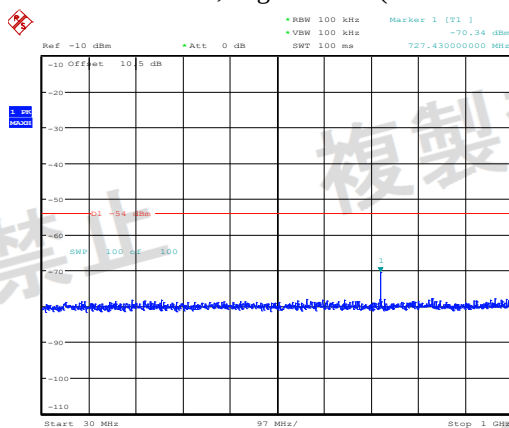
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Date: 8.JUN.2026 22:25:50

802.11ax he20, Middle Channel(1GHz~12.5GHz)



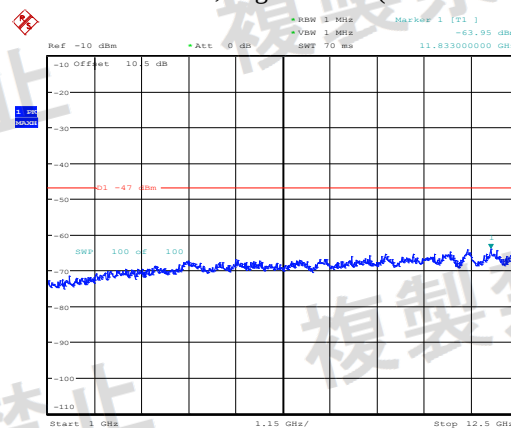
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Date: 8.JUN.2026 22:26:21

802.11ax he20, High Channel(30MHz~1GHz)



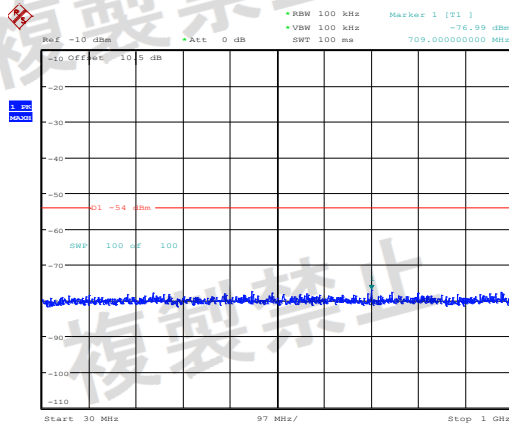
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:27:01

802.11ax he20, High Channel(1GHz~12.5GHz)



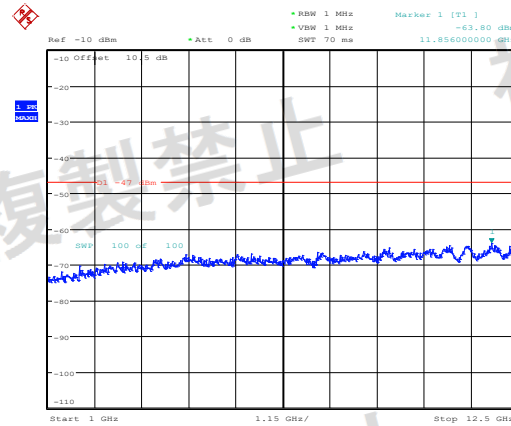
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:27:33

802.11ax he40, Low Channel(30MHz~1GHz)



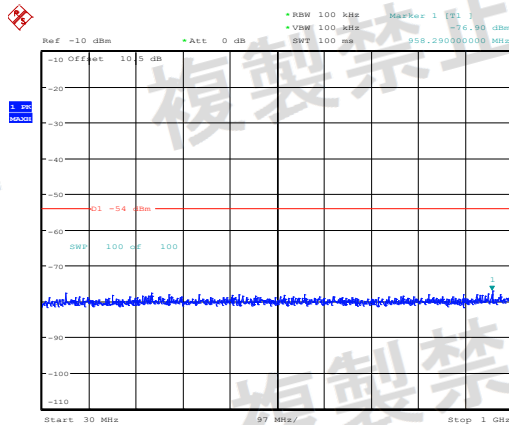
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Date: 8.JUN.2026 22:27:58

802.11ax he40, Low Channel(1GHz~12.5GHz)



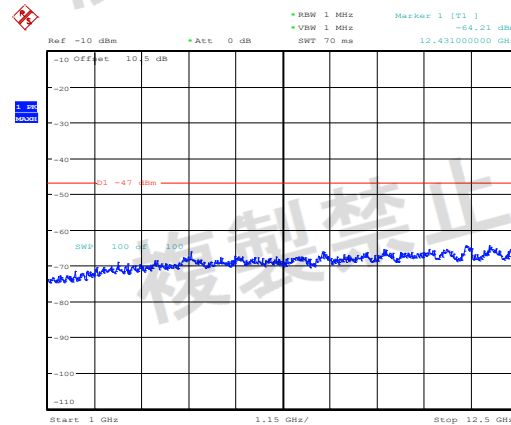
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:28:30

802.11ax he40, Middle Channel(30MHz~1GHz)



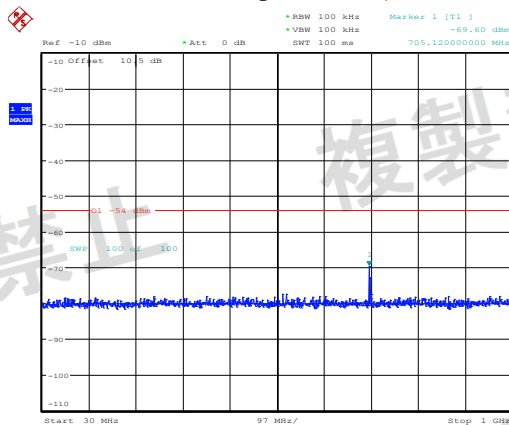
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:28:53

802.11ax he40, Middle Channel(1GHz~12.5GHz)



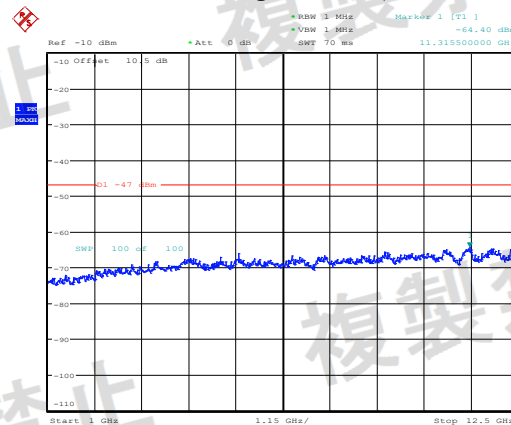
ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:29:24

802.11ax he40, High Channel(30MHz~1GHz)



ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:29:57

802.11ax he40, High Channel(1GHz~12.5GHz)



ProjectNo.:2603T14520E-RF Tester:Zoey Song
Date: 8.JUN.2026 22:30:29

4.7 Carrier Sense Capability

Test Result: Compliant

EUT stop RF transmission signal after carrier inject to EUT, the test result is good

4.8 Interference Prevention Function

Test Result: Compliant, please see the below table.

Item	Result	Requirement	Verdict
Methodology to transmit ID Code:	Automatically	Automatically	Good
Methodology to receive ID Code:	Automatically	Automatically	Good
Identification Codes (ID Codes):	88:00:33:77:C5:0E	/	/
Bits of ID Codes:	48 bits	48 bits or more	Compliant
Screenshot:	88:00:33:77:C5:0E		

4.9 Construction Protection Confirmation

Result: Compliant. please see the below table.

☒	Sealed with screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☐	Cover is glued using a special adhesive.
☐	Metal covers are spot-fused.
☐	Cover is specially interlocked.
☐	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Other
	If 'Other', describe the method here. Then delete this text.

Photographs



5. EUT PHOTOGRAPHS

Please refer to the attachment 2603T14520E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2603T14520E-RF-INP EUT INTERNAL PHOTOGRAPHS.

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2603T14520E-RF-TSP TEST SETUP PHOTOGRAPHS.

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