TEST REPORT

Applicant:	**JAKA Robotics Co., Ltd.**
Address:	**Building 6, No.646 Jianchuan Road, Minhang District, Shanghai China**
Product Name:	**Wifi module**
Model Name:	**RTL8822CE**
Type of Equipment:	**Certification Ordinance Article 2, Paragraph 1, Item 19-3**
Test method(s):	**５ＧＨｚ帯小電力データ通信システムの特性試験方法 (Released by DSP Research, Inc.)**
Report Number:	**2502S54932E-RF-07B**
Report Date:	**2025/7/19**

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

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複製禁止

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2502S54932E-RF-07B	Original Report	2025/7/19

GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

Product Name:	Wifi module
Trade Name:	JAKA
Test Model:	RTL8822CE
Rated Input Voltage:	3.3Vdc
Serial Number:	31QQ-1
EUT Received Date:	2025/4/22
EUT Received Status:	Good

Accessory Information

Accessory Description	Manufacturer	Model	Parameters
WIFI Antenna	GLEAD	WIFI_PM2458YSO_SD270MM	/

Technical Specification

Operation Frequency Range (MHz):	802.11 a/n20/ac20: 5180-5240MHz, 5260-5320 MHz, 5500-5720MHz 802.11 n40/ac40: 5190/5230MHz, 5270/5310 MHz, 5510-5710MHz 802.11 ac80: 5210/5290/5530/5610/5690MHz
Nominal RF Output Power (Conducted):	W52(5180-5240MHz): 802.11a: 2.6 mW/MHz 802.11n20/ac20: 2.6 mW/MHz 802.11n40/ac40: 1.3 mW/MHz 802.11ac80: 0.6 mW/MHz W53(5260-5320 MHz): 802.11a: 1.3 mW/MHz 802.11n20/ac20:1.2 mW/MHz 802.11n40/ac40:0.6 mW/MHz 802.11ac80: 0.3 mW/MHz W56(5500-5720MHz): 802.11a:7.1 mW/MHz 802.11n20/ac20:6.7 mW/MHz 802.11n40/ac40:3.6 mW/MHz 802.11ac80: 1.7 mW/MHz
Number of TX Chain(s):	2
Number of RX Chain(s):	2
Antenna Gain (dBi)▲:	W52: Chain 0: 5.69; Chain 1: 5.69 W53: Chain 0: 5.69; Chain 1:5.69 W56: Chain 0: 5.17; Chain 1:5.17
Modulation Type:	OFDM
Emission Type	G1D, D1D

SUMMARY OF TEST RESULTS

SN	Description Of Test	Result
1	Frequency Tolerance	Compliant
2	Occupied Bandwidth	Compliant
3	(1) Transmitter Spurious Emission Strength	Compliant
4	(2) Out-Band Leakage Power	Compliant
5	Output Power and Output Power Tolerance	Compliant
6	Adjacent Channel Power	Compliant
7	Secondary Radiated Emission Strength	Compliant
8	Radio Interference Prevention Capability	Compliant
9	Transmission Burst Length	Compliant
10	Transmission Power Control Function (TPC)	Not Applicable*
11	Carrier Sense Capability	Compliant
12	Dynamic Frequency Selection (DFS)	Not Applicable**
13	Construction Protection Confirmation	Compliant

Note:

Not Applicable: EUT without TPC function.*

*Not Applicable**: Please refer to DFS report*

DESCRIPTION OF TEST CONFIGURATION

Operation Frequency Detail

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

The system support 802.11 a/n20/n40/ac20/ac40/ac80, the 802.11 ac20/ac40 were reduced since the identical parameters with 802.11n 20 and n40.

The device supports SISO in all modes, and MIMO 2T2R in 802.11n/ac mode, per pretest, 2T2R mode was the worst mode and reported for 802.11n/ac mode.

For W52 band, 7 channels are provided:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
38	5190	46	5230
40	5200	48	5240
42	5210	/	/

For 802.11a/n 20, Channel 36, 40 and 48 were tested; for 802.11n 40, Channel 38, 46 were tested; for 802.11ac80, Channel 42 was tested.

For W53 band, 7 channels are provided:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
52	5260	60	5300
54	5270	62	5310
56	5280	64	5320
58	5290	/	/

For 802.11a/n 20, Channel 52, 56 and 64 were tested; for 802.11n 40, Channel 54, 62 were tested; for 802.11 ac80, Channel 58 was tested.

For W56 band, 21 channels are provided:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
100	5500	124	5620
102	5510	126	5630
104	5520	128	5640
106	5530	132	5660
108	5540	134	5670
110	5550	136	5680
112	5560	138	5690
116	5580	140	5700
118	5590	142	5710
120	5600	144	5720
122	5610	/	/

For 802.11a/n20, Channel 100, 120 and 144 were tested; for 802.11n40, Channel 102, 118 and 142 were tested; for 802.11ac80, Channel 106, 122 and 138 was tested.

The EUT employs a standard PCIe x1 interface. Depending on the EUT's application scenario and product interface type, PCIe hardware modules (such as the Wifi module) typically rely on the motherboard's standard voltage rails for power. The PCIe slot receives power from the system power supply (PSU) via the motherboard's power management circuitry. Since these modules operate directly from fixed motherboard voltages (e.g., 3.3V), their internal circuits—including RF chips and main controllers—are designed to function at this voltage without active regulation. Therefore, the test only performed at normal condition. Details as following:

Voltage Condition	Input (V_{dc})	RF System Voltage (V_{DC})
NV	3.3	3.3
LV	/	/
HV	/	/

EUT Operation Condition

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

Operation Bands	Mode	Channel	Frequency (MHz)	Data Rate	Power Level Setting	
					Ant 1 (Chain 0)	Ant 2 (Chain 1)
5150-5250 MHz	802.11 a	Low	5180	6 Mbps	85	75
		Middle	5200	6 Mbps	83	75
		High	5240	6 Mbps	70	72
	802.11n ht20	Low	5180	HT MCS8	66	66
		Middle	5200	HT MCS8	66	66
		High	5240	HT MCS8	66	66
	802.11n ht40	Low	5190	HT MCS8	58	58
		High	5230	HT MCS8	55	55
	802.11 ac80	Middle	5210	VHT MCS8	86	75
5250-5350 MHz	802.11 a	Low	5260	6 Mbps	65	65
		Middle	5280	6 Mbps	65	65
		High	5320	6 Mbps	65	65
	802.11n ht20	Low	5260	HT MCS8	55	55
		Middle	5280	HT MCS8	55	55
		High	5320	HT MCS8	55	55
	802.11n ht40	Low	5270	HT MCS8	38	42
		High	5310	HT MCS8	38	44
	802.11 ac80	Middle	5290	VHT MCS8	75	70
5470-5725 MHz	802.11 a	Low	5500	6 Mbps	80	80
		Middle	5600	6 Mbps	90	95
		High	5720	6 Mbps	83	88
	802.11n ht20	Low	5500	HT MCS8	77	77
		Middle	5600	HT MCS8	77	77
		High	5720	HT MCS8	83	92
	802.11n ht40	Low	5510	HT MCS8	65	65
		Middle	5590	HT MCS8	62	62
		High	5710	HT MCS8	63	70
	802.11 ac80	Low	5530	VHT MCS8	88	90
		Middle	5610	VHT MCS8	97	97
		High	5690	VHT MCS8	95	103

Equipment Modifications

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

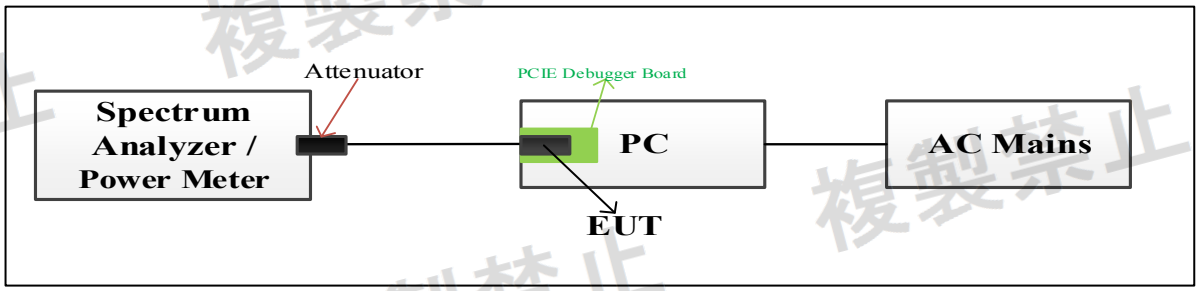
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
PANCHI	PC	Q100	Bacl230417
JAKA	PCIE Debugger Board	EDM2_V6.11	461870AP2-241022

Support Cable List and Details

Manufacturer	Shielding Type	Ferrite Core	Length (m)	From Port	To
AC Power Cable	No	No	1.2	PC	AC Mains

Configuration of Test Setup



Test Facility

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

Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Frequency error	$\pm 0.082\times10^{-6}$
Occupied bandwidth	±5 %
Unwanted emission strength(TX&RX)	±2.47dB
RF output power, conducted	±0.61dB
Temperature	±1℃
Humidity	±5%
Duty Cycle	1%
DC and low frequency voltages	±0.4%

1 - FREQUENCY TOLERANCE

Limit

Within ±20ppm.

Test Procedure

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

If the EUT can`t set at un-modulation mode, measure the 10dBc center frequency.

Test Data

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

2 - OCCUPIED BANDWIDTH

Limit

Item	Limits
Occupied Bandwidth:	W52/W53/W56 : ≤18MHz(20MHz Mode DSSS) ≤20MHz(20MHz Mode OFDM) ≤40MHz (40MHz Mode OFDM) ≤80MHz (80MHz Mode OFDM)

Test Procedure

1. Setting of SA is following as: RB: 300 kHz / VB:300kHz / SPAN: 2*Nominal Bandwidth/ 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.

Test Data

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

3 - TRANSMITTER SPURIOUS EMISSION STRENGTH

Limit

Spurious Emission:

* Attachment 1 (Unwanted Emission Strength)

W52			
20MHz system		40MHz system	80MHz system
OBW : 18MHz or less	OBW : 18 - 20 MHz		
5,142 MHz or less : 2.5 μW/MHz	5,142 MHz or less : 2.5 μW/MHz	5,141.6 MHz or less : 2.5 μW/MHz	5,123.2 MHz or less : 2.5 μW/MHz
5,142 - 5,150 MHz : 15 μW/MHz	5,142 - 5,150 MHz : 15 μW/MHz	5,141.6 - 5,150 MHz : 15 μW/MHz	5,123.2 - 5,150 MHz : 15 μW/MHz
	5,250 - 5,250.2 MHz : $10^{1-(8/3)(f-9.75)}$mW/MHz		
5,250 - 5,251 MHz : $10^{1-(f-9)}$mW/MHz	5,250.2 - 5,251 MHz : $10^{1-(f-9)}$mW/MHz	5,250 - 5,251 MHz : $10^{-(f-20)+log(1/2)}$mW/MHz	5,250 - 5,251 MHz : $10^{-(f-40)+log(1/4)}$mW/MHz
5,251 - 5,260 MHz : $10^{-1-(8/90)(f-11)}$mW/MHz	5,251 - 5,260 MHz : $10^{-1-(8/90)(f-11)}$mW/MHz	5,251 - 5,270 MHz : $10^{-(8/190)(f-21)-1+log(1/2)}$mW/MHz	5,251 - 5,290 MHz : $10^{-(8/390)(f-41)-1+log(1/4)}$mW/MHz
5,260 - 5,266.7 MHz : $10^{-1.8-(6/50)(f-20)}$mW/MHz	5,260 - 5,266.7 MHz : $10^{-1.8-(6/50)(f-20)}$mW/MHz	5,270 - 5,278.4 MHz : $10^{-(3/50)(f-40)-1.8+log(1/2)}$mW/MHz	5,290 - 5,296.7 MHz : $10^{-(3/100)(f-80)-1.8+log(1/4)}$mW/MHz
5,266.7 MHz or more : 2.5 μW/MHz	5,266.7 MHz or more : 2.5 μW/MHz	5,278.4 MHz or more : 2.5 μW/MHz	5,296.7 MHz or more : 2.5 μW/MHz
f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5240 (MHz)	f = MHz, Difference from 5230 (MHz)	f = MHz, Difference from 5210 (MHz)

W53			
20MHz system		40MHz system	80MHz system
OBW : 18MHz or less	OBW : 18 - 20 MHz		
5,233.3 MHz or less : 2.5 μW/MHz	5,233.3 MHz or less : 2.5 μW/MHz	5,221.6 MHz or less : 2.5 μW/MHz	5,203.3 MHz or less : 2.5 μW/MHz
5,233.3 - 5,240 MHz : $10^{-1.8-(6/50)(f-20)}$mW/MHz	5,233.3 - 5,240 MHz : $10^{-1.8-(6/50)(f-20)}$mW/MHz	5,221.6 - 5,230 MHz : $10^{-(3/50)(f-40)-1.8+log(1/2)}$mW/MHz	5,203.3 - 5,210 MHz : $10^{-(3/100)(f-80)-1.8+log(1/4)}$mW/MHz
5,240 - 5,249 MHz : $10^{-1-(8/90)(f-11)}$mW/MHz	5,240 - 5,249 MHz : $10^{-1-(8/90)(f-11)}$mW/MHz	5,230 - 5,249 MHz : $10^{-(8/190)(f-21)-1+log(1/2)}$mW/MHz	5,210 - 5,249 MHz : $10^{-(8/390)(f-41)-1+log(1/4)}$mW/MHz
5,249 - 5,250 MHz : $10^{1-(f-9)}$mW/MHz	5,249 - 5,249.8 MHz : $10^{1-(f-9)}$mW/MHz	5,249 - 5,250 MHz : $10^{-(f-20)+log(1/2)}$mW/MHz	5,249 - 5,250 MHz : $10^{-(f-40)+log(1/4)}$mW/MHz
5,350 MHz or more : 2.5 μW/MHz	5,249.8 - 5,250 MHz : $10^{1-(8/3)(f-9.75)}$mW/MHz	5,350 - 5,358.4 MHz : 15 μW/MHz	5,350 - 5,376.8 MHz : 15 μW/MHz
	5,350 MHz or more : 2.5 μW/MHz	5,358.4 MHz or more : 2.5 μW/MHz	5,376.8 MHz or more : 2.5 μW/MHz
f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5260 (MHz)	f = MHz, Difference from 5270 (MHz)	f = MHz, Difference from 5290 (MHz)

W56			
20MHz system		40MHz system	80MHz system
DSSS, etc.	OFDM		
5,470 MHz or less : 12.5 uW/MHz	5,460 MHz or less : 2.5 uW/MHz	5,460 MHz or less : 12.5 uW/MHz	5,460 MHz or less : 12.5 uW/MHz
	5,460 - 5,470 MHz : 12.5 uW/MHz	5,460 - 5,470 MHz : 50 uW/MHz	5,460 - 5,469.5 MHz : 50 uW/MHz
5,730 MHz or more : 12.5 uW/MHz	5,745 - 5,765 MHz : 12.5 uW/MHz	5,770 MHz or more : 12.5 uW/MHz	5,469.5 - 5,470 MHz : 51.2 uW/MHz
	Over 5,765 MHz : 2.5 uW/MHz		5,770 MHz or more : 12.5 uW/MHz

Test Procedure

❖ Conditions of Application Equipment (EUT)

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

Test Data

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

4 - OUTPUT POWER AND OUTPUT POWER TOLERANCE

Limit

For W52, W53 Band:

Item	Band	Limits
Antenna Power	W52/W53	20M System: ≤10mW/MHz 40M System: ≤5mW/MHz 80M System: ≤2.5mW/MHz
E.I.R.P.	W52	20M System: ≤10mW/MHz 40M System: ≤5mW/MHz 80M System: ≤2.5mW/MHz
	W53	With TPC: 20M System: ≤10mW/MHz 40M System: ≤5mW/MHz 80M System: ≤2.5mW/MHz Without TPC: 20M System: ≤5mW/MHz 40M System: ≤2.5mW/MHz 80M System: ≤1.25mW/MHz
Antenna Power Tolerance	W52/W53	≤+20%, -80%

For W56 Band:

Item	Band	Limits
Antenna Power	W56	20M System: ≤10mW/MHz 40M System: ≤5mW/MHz 80M System: ≤2.5mW/MHz
E.I.R.P.	W56	With TPC: 20M System: ≤50mW/MHz 40M System: ≤25mW/MHz 80M System: ≤12.5mW/MHz Without TPC: 20M System: ≤25mW/MHz 40M System: ≤12.5mW/MHz 80M System: ≤6.25mW/MHz
Antenna Power Tolerance	W56	≤+50%, -50%

Test Procedure

Step 1:
Use the following settings on the spectrum analyser:
- Centre Frequency: The centre frequency of the channel under test.
- Resolution BW: 1 MHz.
- Video BW: 3 MHz.
- Detector mode: Peak.
- Averaging: Off.
- Sweep: Continuous.
- Span: Twice the nominal OBW.

Step 2:
Connect the E.U.T. to the Spectrum Analyzer and switch on the U.U.T.

Step 3:
Adjust the Reference Level of the Spectrum Analyzer so that the peak of the power envelope is between the Reference Level and the Reference Level - 10 dB. This assumes a 10 dB/devision setting is used on the spectrum analyser.

Step 4:
Use the marker to find the peak value of the power envelope.
Adjust the centre frequency of the analyser to the marker frequency, resulting in the peak of the power envelope being in the centre of the screen.

Step 5:
Change the Spectrum Analyzer settings as follows:
• Resolution BW: 1 MHz.
• Video BW: 1 MHz.
• Detector mode: Peak.
• Averaging: Off.
• Sweep: Continuous.
• Span: 0 Hz.

Step 6:
Connect a Power Meter to the "Narrow I.F" output port of the Spectrum Analyzer. The power meter is set Auto Duty factor.

NOTE: The IF output of the spectrum analyser may be 20 dB or more below the input level of the spectrum analyser. Unless the power meter has adequate sensitivity, a wideband amplifier may be required.

Adjust the Centre Frequency of the spectrum analyser carefully (fine tune) for maximum indication on the power meter.
The level measured by the power meter shall be recorded as level "D".
The maximum e.i.r.p. is calculated from the above measured “D”, and the applicable antenna assembly gain "G" in dBi, according to the formula below. If more than one antenna assembly is intended for this power setting, the gain of the antenna assembly with the highest gain shall be used.
• PD = D + G
The above procedure shall be repeated for each of the frequency channels.

Where the spectrum analyser bandwidth is non-Gaussian, a suitable correction factor shall be determined and applied.

Test Data

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

5 - ADJACENT CHANNEL POWER

Limit

Bandwidth System	Occupied Bandwidth	Sweep bandwidth	Adjacent Channel	Limits
20MHz System	OBW < 18MHz	18MHz (±9 MHz)	Adjacent Channel: ±20MHz	≥25dB
			Second Adjacent Channel: ± 40MHz	≥40dB
	18MHz < OBW < 20MHz	20MHz (±10 MHz)	Adjacent Channel: ±20MHz	≥25dB
			Second Adjacent Channel: ± 40MHz	≥40dB
40MHz System	20MHz < OBW < 40MHz	40MHz (±20 MHz)	Adjacent Channel: ± 40MHz	≥25dB
			Second Adjacent Channel: ± 80MHz	≥40dB
80MHz System	40MHz < OBW < 80MHz	80MHz (±40 MHz)	Adjacent Channel: ± 80MHz	≥25dB

Test Procedure

1. EUT transmitted in fixed channel (test channel) with modulation signal.
2. Setting of SA is following as: RB:300kHz / VB:300kHz/ Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Peak/ Trace mode: Max hold.
3. SA set the Channel Power Function and Channel Bandwidth: Sweep bandwidth corresponding to the tested signal, Center Frequency: The center frequency of testing for EUT, adjacent channel and second adjacent Channel as “Adjacent Channel” above. Then SA automatically calculate the channel power of EUT and adjacent channel power.

Test Data

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

6 - SECONDARY RADIATED EMISSION STRENGTH

Limit

4nW or below (Frequency range: 30MHz – 1GHz); 20n W or below (frequency range: 1GHz – 26GHz).

Test Procedure

❖ Conditions of Application Equipment (EUT)

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

❖ Spectrum Analyzer Conditions

- Start Frequency: Start Frequency of frequency range to measure (30MHz or 1GHz)
- Stop Frequency: Stop Frequency of frequency range to measure (1GHz or 26GHz)
- Span: AUTO (Measurement Range)
- RBW: 100 kHz, VBW: 100 kHz for Frequency < 1 GHz
- RBW: 1MHz, VBW: 1MHz for Frequency > 1 GHz
- Sweep time: AUTO or more
- Log scale: 10dB/Div, Data points: 501points (400 points or more)
- Detection: Positive Peak
- Reference Level: Enough level for maximum dynamic range

Test Data

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

7 - RADIO INTERFERENCE PREVENTION CAPABILITY

Requirement

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

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

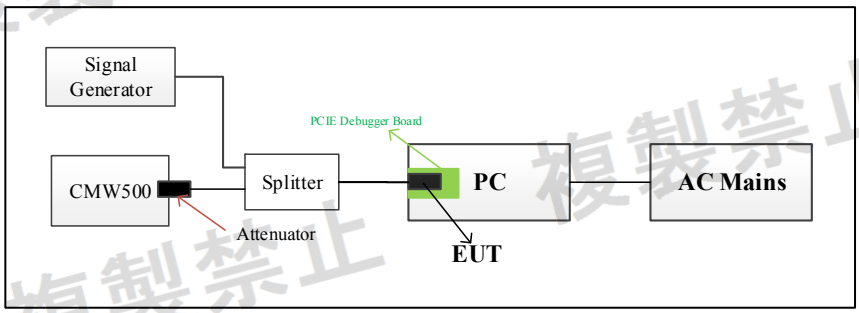
Article 1.8 of MPT Ministerial Notice No. 424 of 1994 (the last revision: Notice No. 374 of Nov. 10, 2023)

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

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

Test Procedure

- Measurement System Diagram



- 1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes form EUT. b. Check the transmitted identification codes with the demodulator.
- 2. In the case of receiving the identification code: a. Transmit the predetermined identification codes form the counterpart. b. Check if communication is normal. c. Transmit the signals other than predetermined ID codes form the counterpart. d. check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

Test Data

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025-06-02~2025-06-06
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.8	**Relative Humidity: (%)**	61~72	**ATM Pressure: (kPa)**	99.7~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
Mini-Circuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2025/2/25	2026/2/24	BACL(DG)	D
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D
R&S	Wideband Radio Communication Tester	CMW500	149216	2024/9/5	2025/9/4	BACL Metrology	C
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2024/8/26	2025/8/25	GRGTEST	C

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

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:	54:EF:33:9E:3F:30	/	/
Bits of ID Codes:	48 bits	19 bits or more	Compliant

Plot:

Test Result: Compliant

8 - TRANSMISSION BURST LENGTH

Limit

Item	Limit
Transmission Burst Length	≤8ms

Test Procedure

- 1.The transmitter output (antenna port) was connected to the spectrum analyzer
- 2. Set RBW of spectrum analyzer to 10MHz and VBW to 10MHz.
- 3. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- 4. Sweep Time is more than once pulse time.
- 5. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- 6. Measure the maximum time duration of one single pulse.

Test Data

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

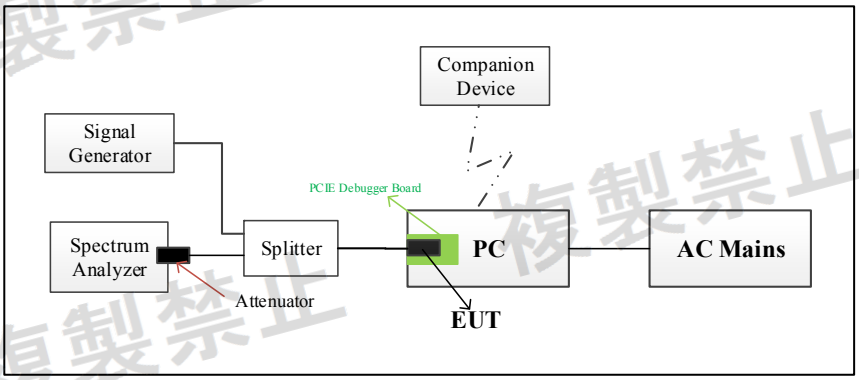
10 - CARRIER SENSE CAPABILITY

Limit

EUT stop RF transmission signal after carrier inject to EUT

Test Procedure

❖ Measurement System Diagram



Companion Device:

Manufacturer	Description	Model	Serial Number
Tenda	Router	W18E	E9382010341000028

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
/	/	/	/

❖ Conditions of Application Equipment (EUT)

- The EUT state shall be “normal mode link with wireless router”.

❖ Test Procedure

1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is 100mV/m

2. turn off the RF signal of the SG.
3. EUT have transmitted the maximum modulation signal and fixed channelize.
4. Setting of SA: RBW/VBW=1MHz/1MHz, Span=50MHz, Sweep time=auto, Sweep mode=continuous, Detect mode=positive peak
5. SG RF signal on.

6. EUT shall be stop the transmitted any signal and SG RF signal off, the EUT will be continuous transmitted signal.

Test Data

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025-06-02~2025-06-06
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.8	**Relative Humidity: (%)**	61~72	**ATM Pressure: (kPa)**	99.7~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2024/9/5	2025/9/4	BACL Metrology	C
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D
Mini-Circuits	Coaxial Power Splitters & Combiner	ZFRSC-183-S+	SF448201614	2025/2/25	2026/2/24	BACL(DG)	D
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2024/8/26	2025/8/25	GRGTEST	C

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Result: Compliant. The EUT stop transmitting in step 5, the test result is good.

12 - CONSTRUCTION PROTECTION CONFIRMATION

Limit

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

Confirmation Result

Compliant, the RF part (Except for antenna) was covered by metal shielding case, it can`t be opened easily. Please refer the EUT photo.

EXHIBITA – EUT PHOTOGRAPHS

Please refer to the attachment 2502S54932E-RF-EXP EUT External photos and 2502S54932E-RF-INP EUT Internal photos.

EXHIBITB – TEST SETUP PHOTOGRAPHS

Please refer to the attachment2502S54932E-RF-TSP Test Setup Photos.

APPENDIX - TEST DATA

Frequency Error

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025/06/07~2025/07/17
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	26.1~27.2	**Relative Humidity: (%)**	65~68	**ATM Pressure: (kPa)**	100.1~100.7

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D
				2025/06/13	2026/06/12	BACL(DG)	D
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04	BACL Metrology	C

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

5.2G, Chain 0

Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	5180	5179.97405	-5.01	± 20	Pass
	5190	5189.97645	-4.54	± 20	Pass
	5200	5199.97495	-4.82	± 20	Pass
	5210	5209.97735	-4.35	± 20	Pass
	5230	5229.97435	-4.90	± 20	Pass
	5240	5239.97435	-4.90	± 20	Pass

5.2G, Chain 1

Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	5180	5179.97225	-5.36	± 20	Pass
	5190	5189.97135	-5.52	± 20	Pass
	5200	5199.97105	-5.57	± 20	Pass
	5210	5209.97255	-5.27	± 20	Pass
	5230	5229.97165	-5.42	± 20	Pass
	5240	5239.97075	-5.58	± 20	Pass

5.3G, Chain 0

Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	5260	5259.97525	-4.71	± 20	Pass
	5270	5269.97405	-4.92	± 20	Pass
	5280	5279.97525	-4.69	± 20	Pass
	5290	5289.97375	-4.96	± 20	Pass
	5310	5309.97285	-5.11	± 20	Pass
	5320	5319.97435	-4.82	± 20	Pass

5.3G, Chain 1

Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	5260	5259.97135	-5.45	± 20	Pass
	5270	5269.97105	-5.49	± 20	Pass
	5280	5279.97105	-5.48	± 20	Pass
	5290	5289.97165	-5.36	± 20	Pass
	5310	5309.97135	-5.40	± 20	Pass
	5320	5319.97105	-5.44	± 20	Pass

5.6G, Chain 0

Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	5500	5499.97195	-5.10	± 20	Pass
	5510	5509.97315	-4.87	± 20	Pass
	5530	5529.97225	-5.02	± 20	Pass
	5590	5589.97225	-4.96	± 20	Pass
	5600	5599.97165	-5.06	± 20	Pass
	5610	5609.97195	-5.00	± 20	Pass
	5690	5689.97165	-4.98	± 20	Pass
	5710	5709.97135	-5.02	± 20	Pass
	5720	5719.97135	-5.01	± 20	Pass

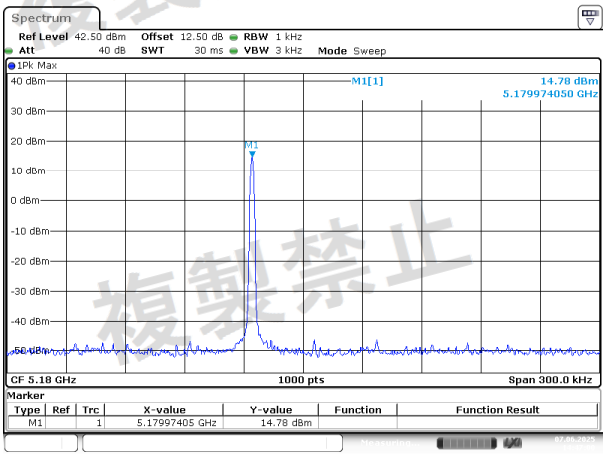
5.6G, Chain 1

Mode	Frequency (MHz)	Measure Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
Single Carrier	5500	5499.97015	-5.43	± 20	Pass
	5510	5509.97015	-5.42	± 20	Pass
	5530	5529.97045	-5.34	± 20	Pass
	5590	5589.96985	-5.39	± 20	Pass
	5600	5599.96985	-5.38	± 20	Pass
	5610	5609.96955	-5.43	± 20	Pass
	5690	5689.96985	-5.30	± 20	Pass
	5710	5709.96895	-5.44	± 20	Pass
	5720	5719.96895	-5.43	± 20	Pass

Note:
Frequency Tolerance = (Measure Frequency - Frequency)/Frequency*10^6

W52, Chain 0, Test Condition: NV

5180MHz



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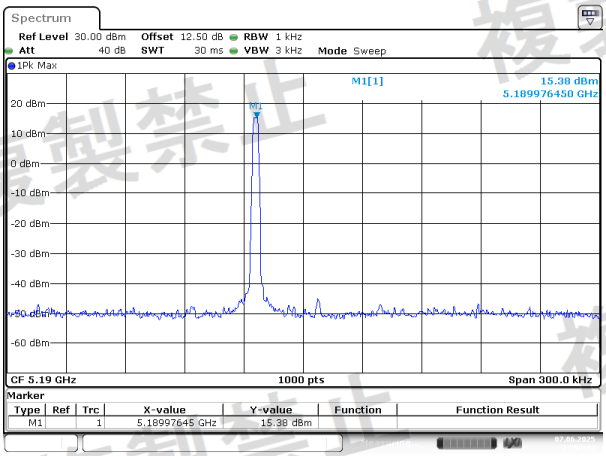
5190MHz



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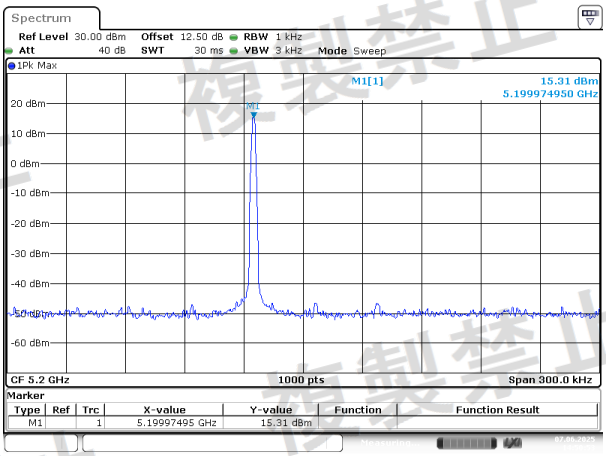
Date: 7.JUN.2025 14:52:45

5200MHz



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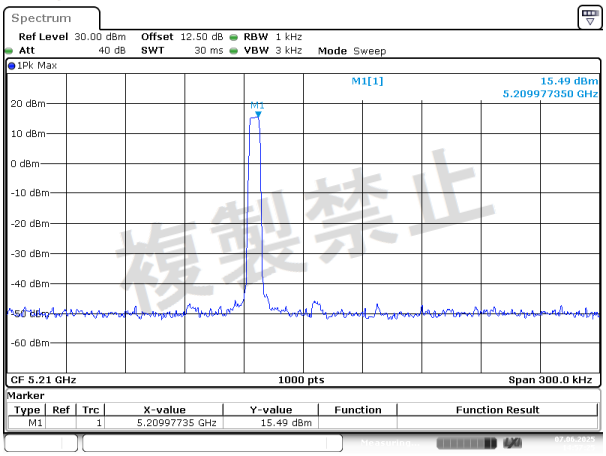
5210MHz



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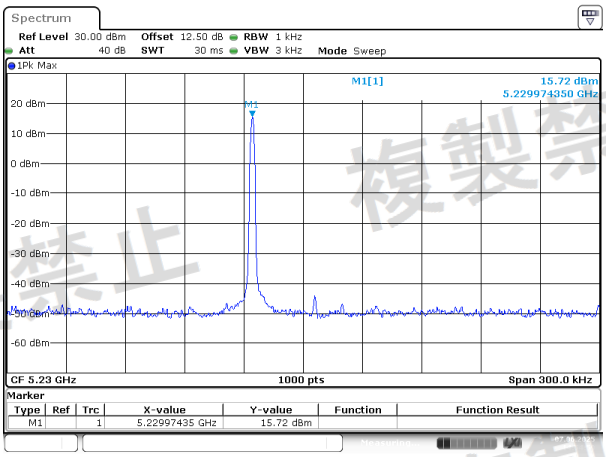
5230MHz



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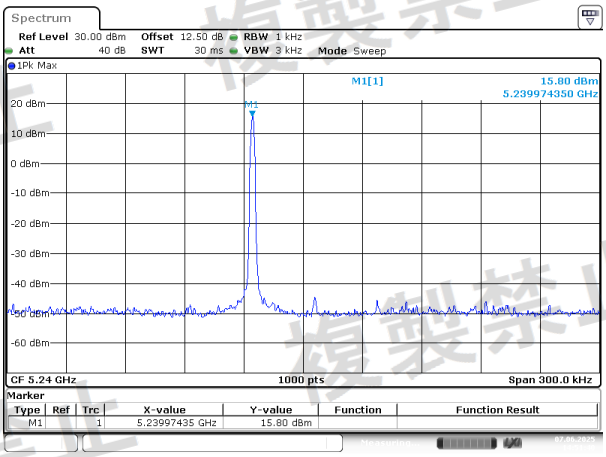
5240MHz



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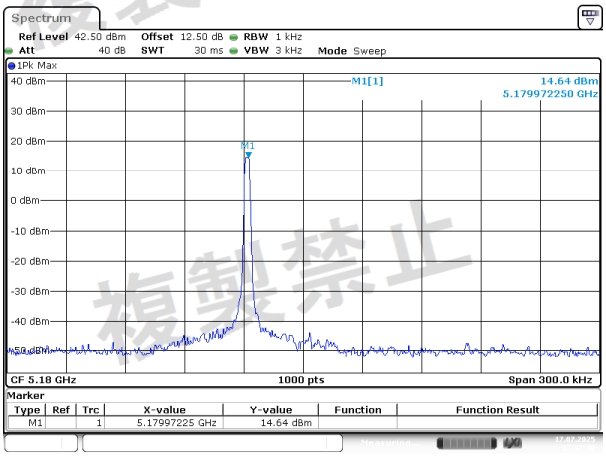
Date: 7.JUN.2025 14:51:40

W52, Chain 1, Test Condition: NV

5180MHz



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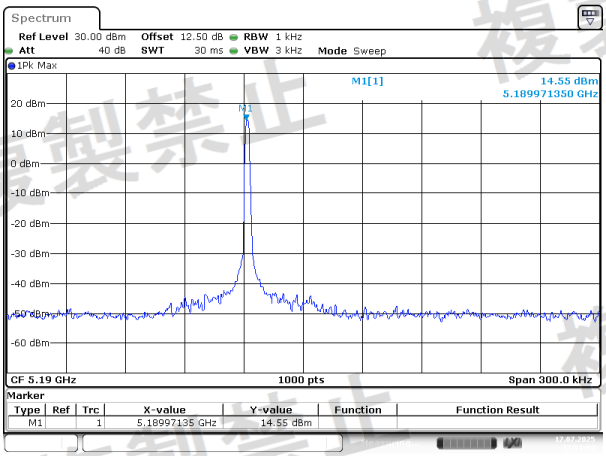
5190MHz



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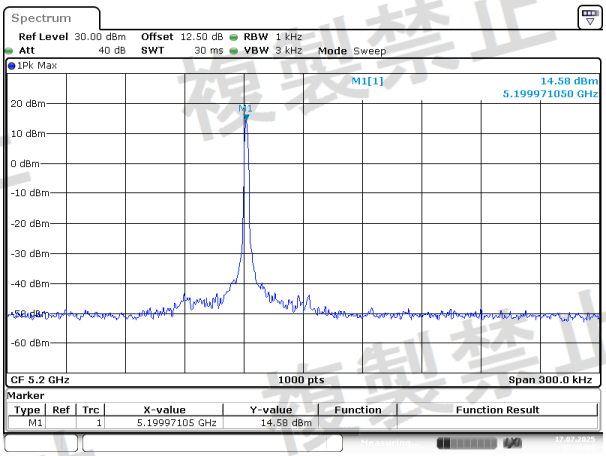
Date: 17.JUL.2025 17:51:04

5200MHz



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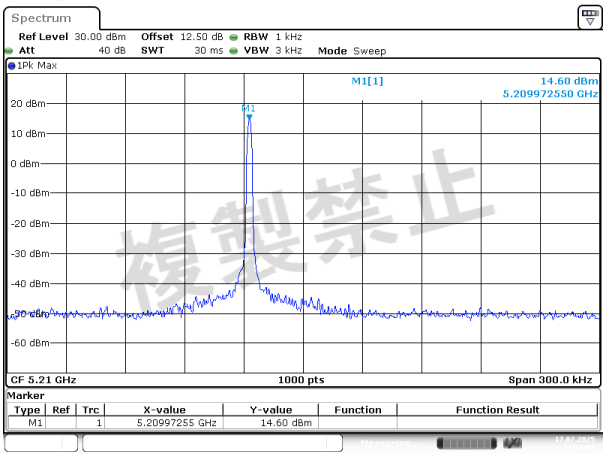
Date: 17.JUL.2025 17:49:03

5210MHz



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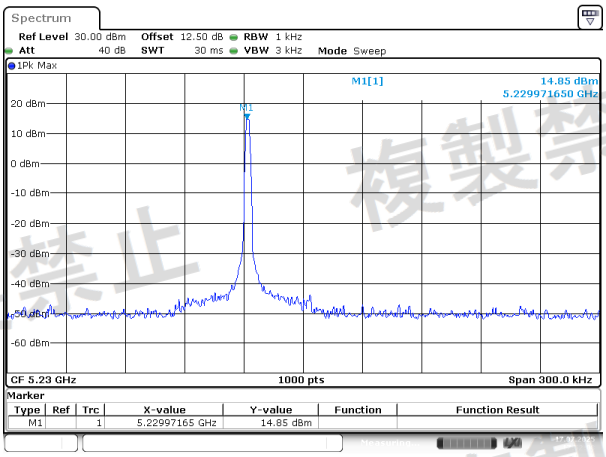
Date: 17.JUL.2025 17:53:08

5230MHz



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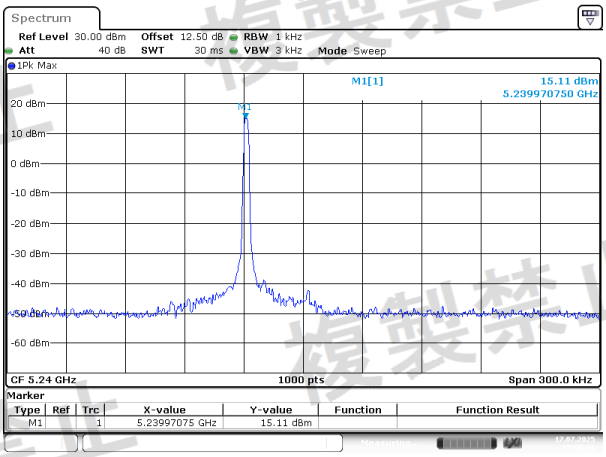
Date: 17.JUL.2025 17:52:09

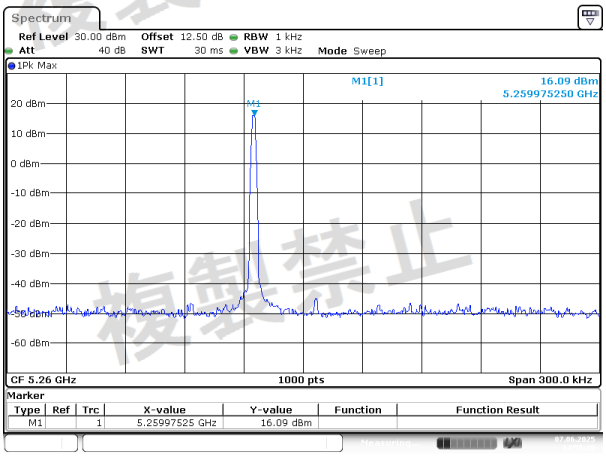
5240MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 17:50:12

W53, Chain 0, Test Condition: NV

5260MHz



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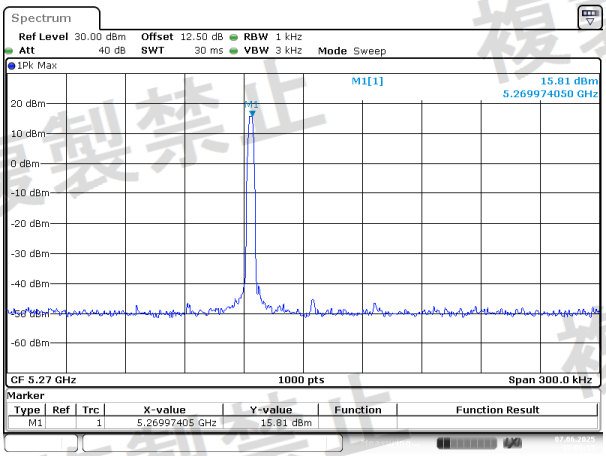
Date: 7.JUN.2025 14:58:17

5270MHz



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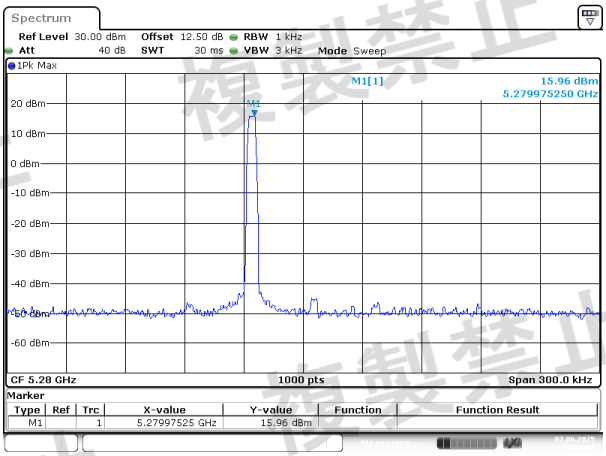
Date: 7.JUN.2025 15:00:56

5280MHz



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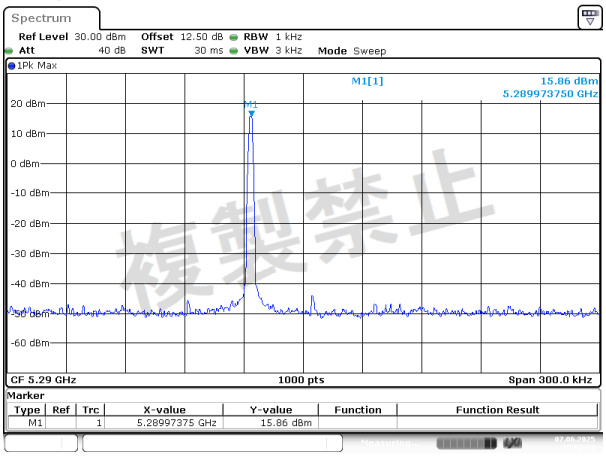
5290MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
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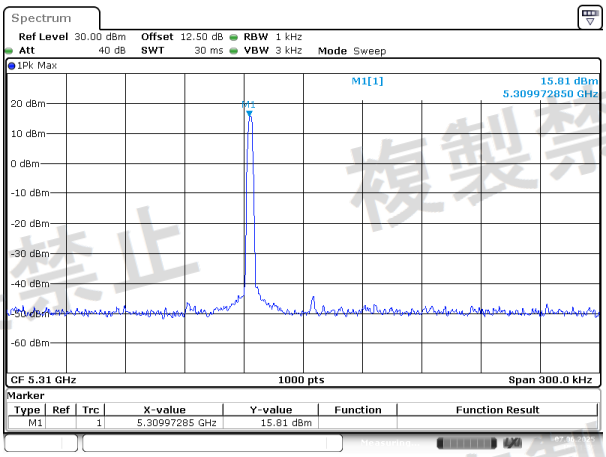
5310MHz



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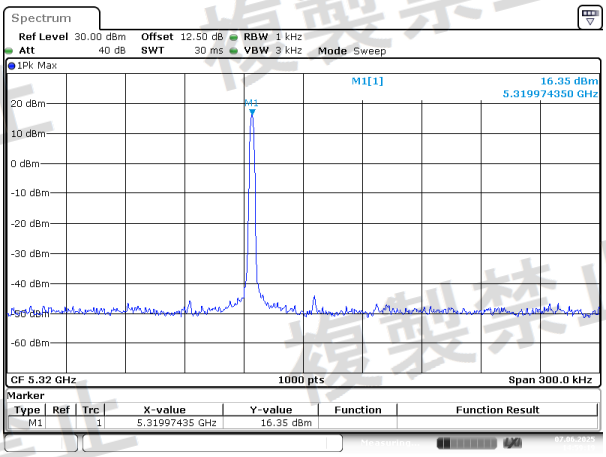
5320MHz



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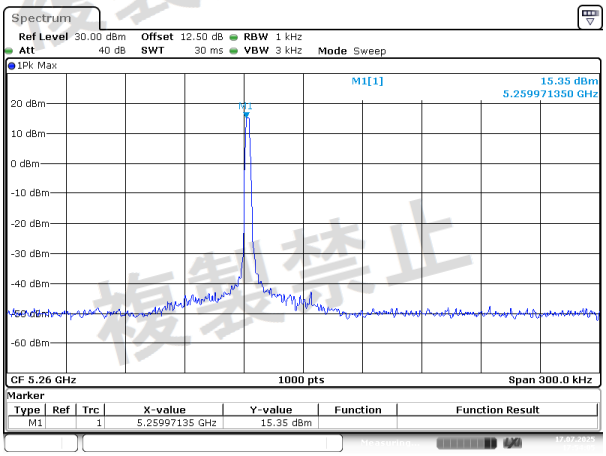
Date: 7.JUN.2025 14:59:20

W53, Chain 1, Test Condition: NV

5260MHz



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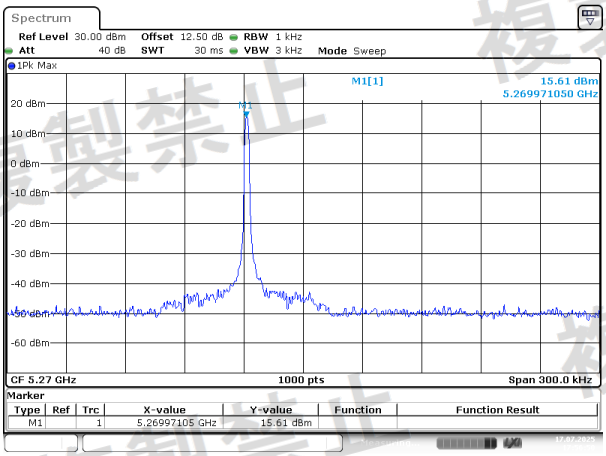
Date: 17.JUL.2025 17:54:05

5270MHz



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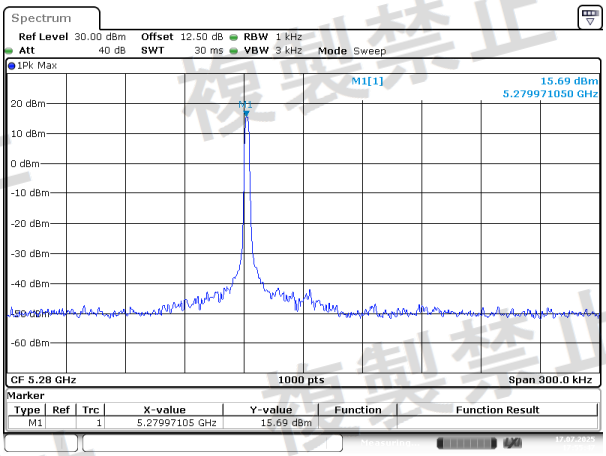
5280MHz



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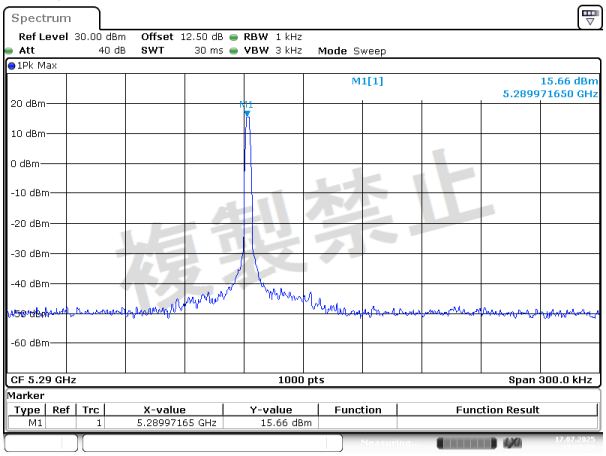
5290MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
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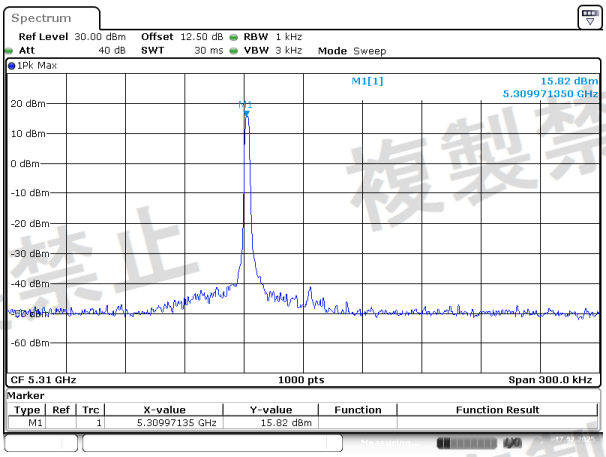
5310MHz



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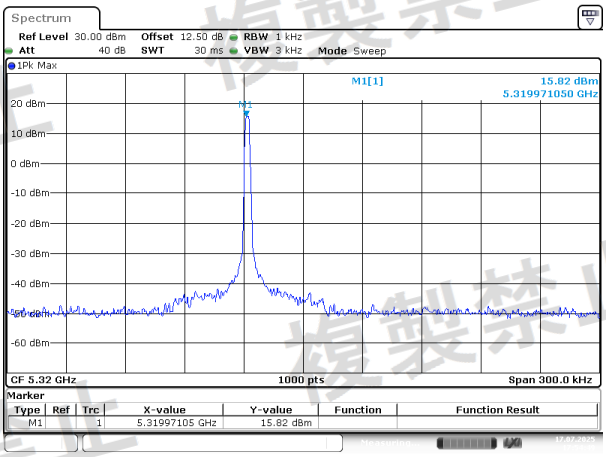
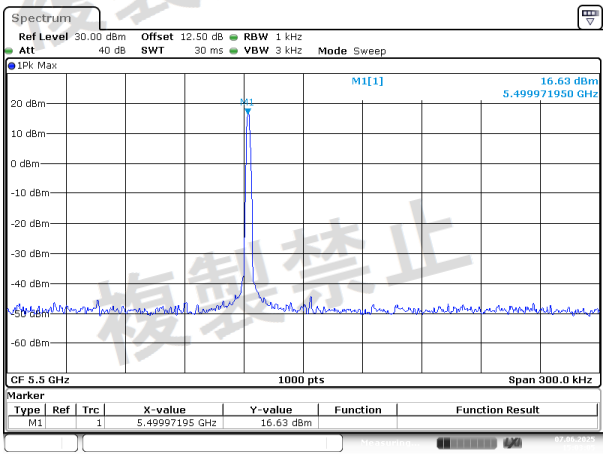
5320MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 17:54:49

W56, Chain 0, Test Condition: NV

5500MHz



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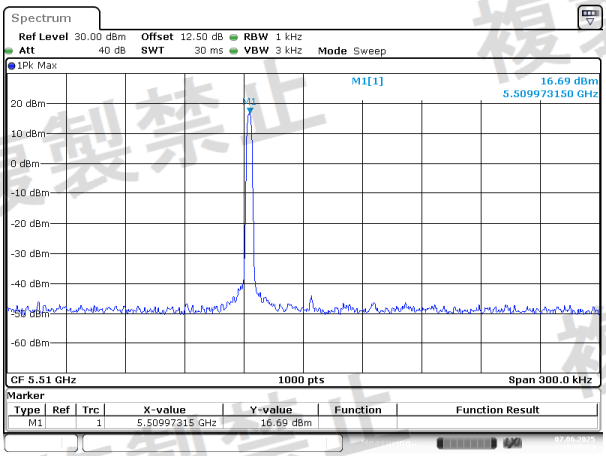
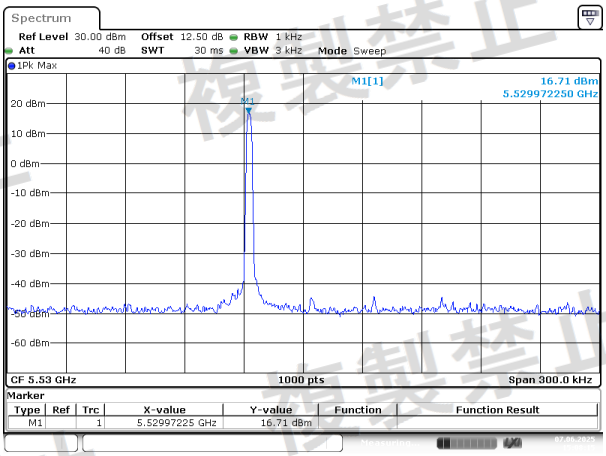
5510MHz



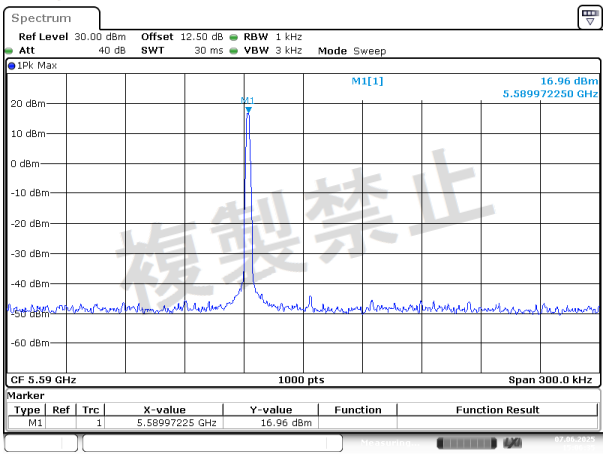
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 15:05:54

5530MHz



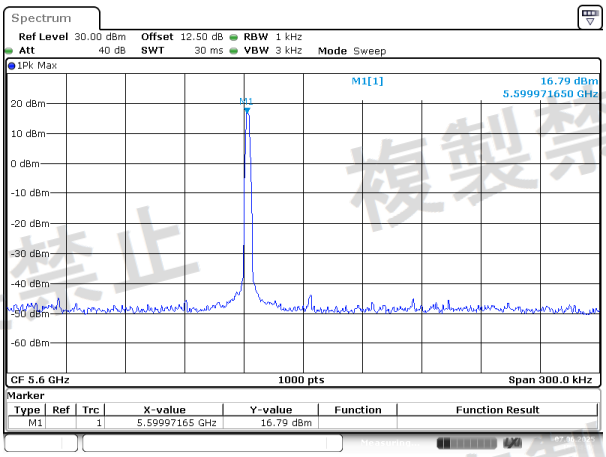
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 15:08:16

5590MHz



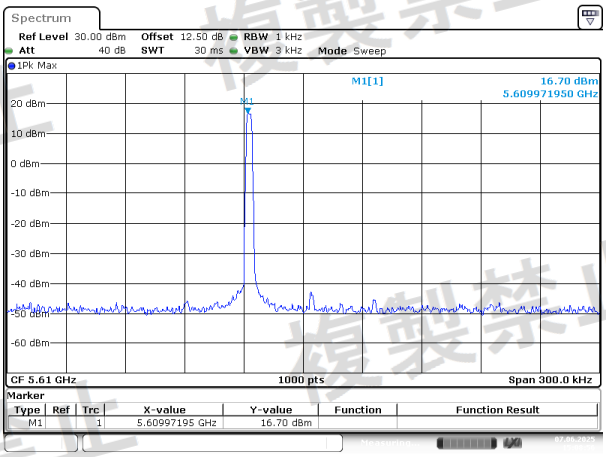
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 15:06:36

5600MHz



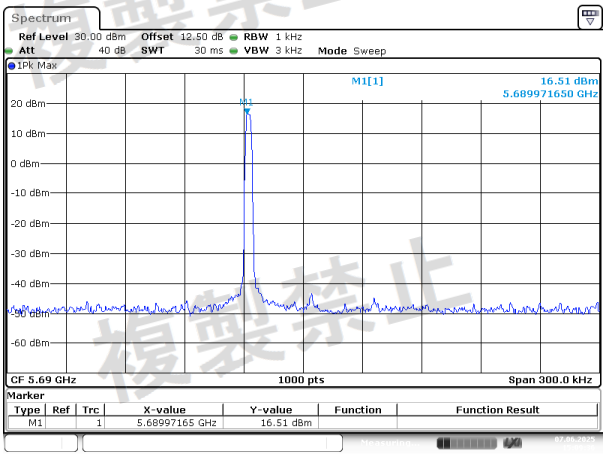
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 15:04:02

5610MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 15:08:56

5690MHz



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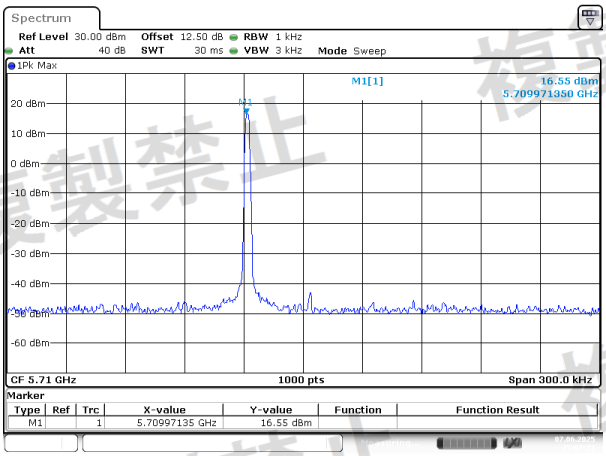
Date: 7.JUN.2025 15:09:36

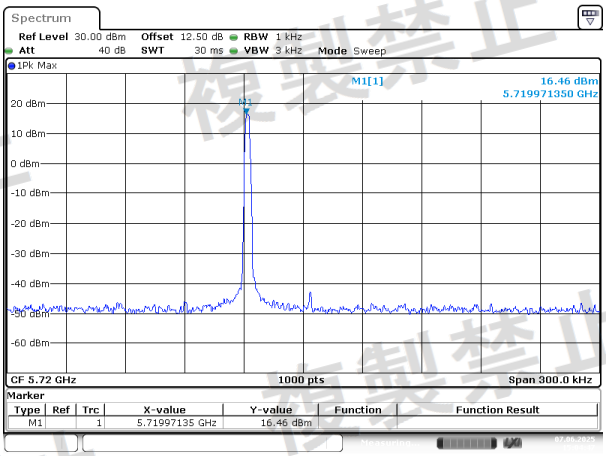
5710MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 15:07:22

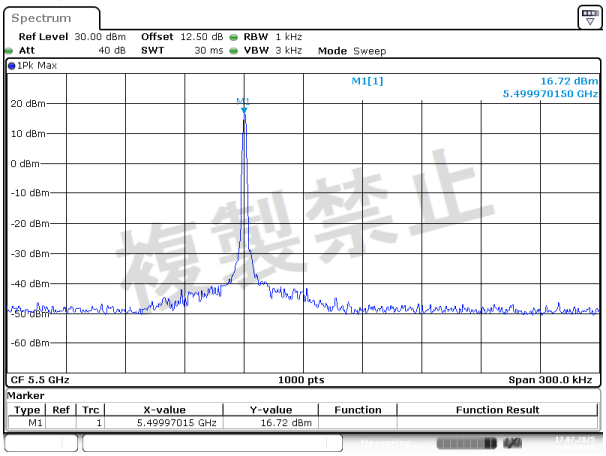
W56, Chain 1, Test Condition: NV

5720MHz



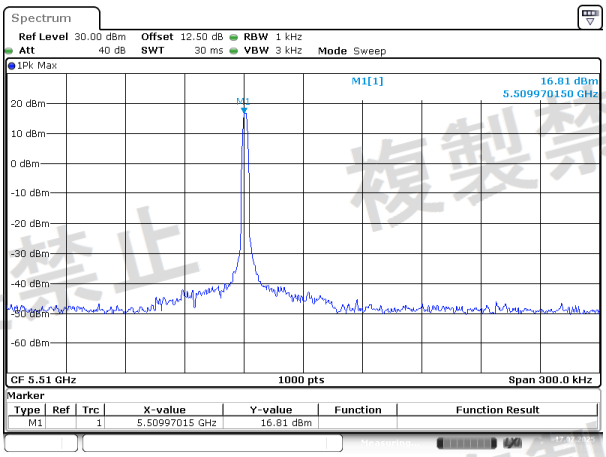
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 15:04:47

5500MHz



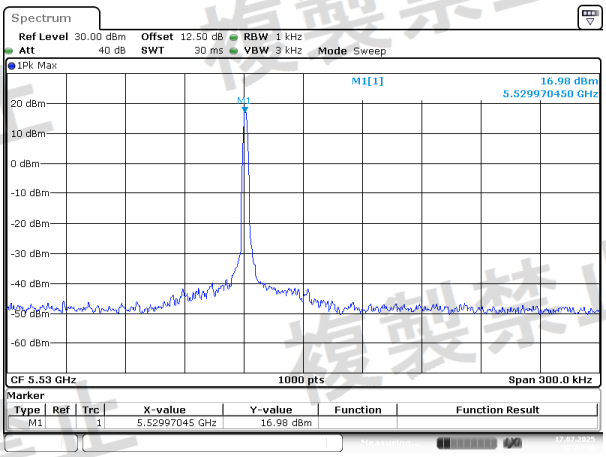
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 17:59:36

5510MHz



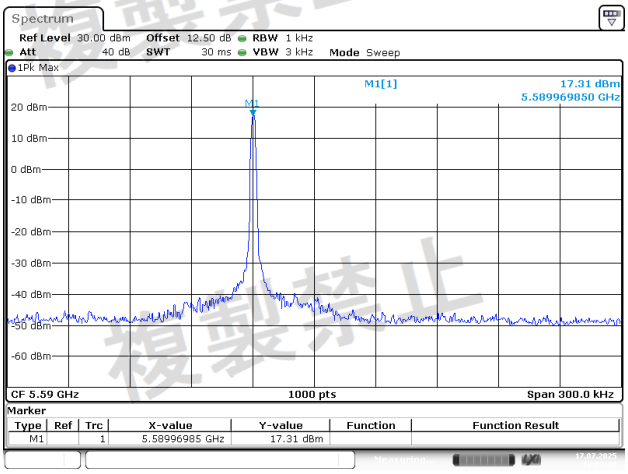
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 18:01:51

5530MHz



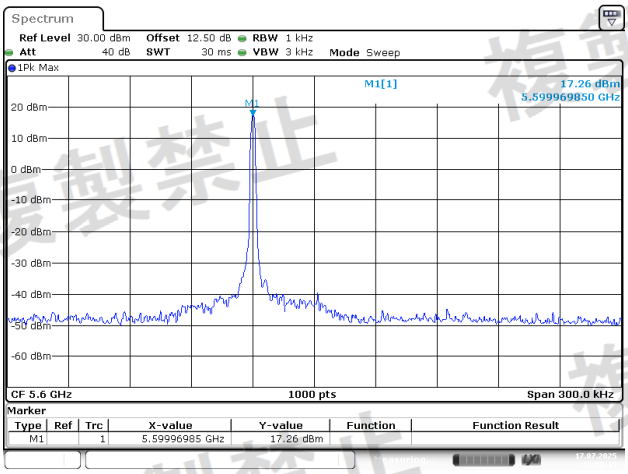
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 18:04:46

5590MHz



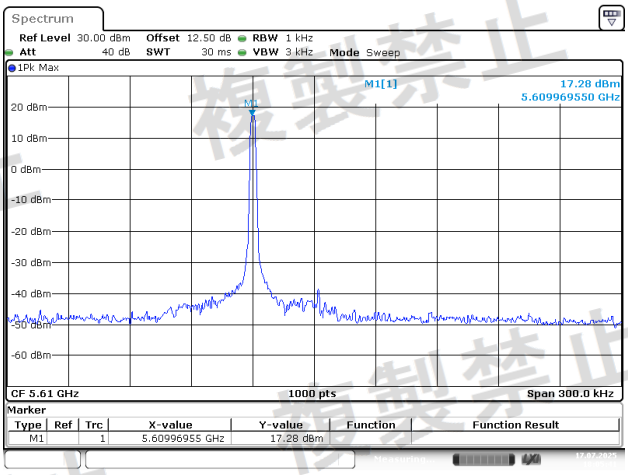
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 18:02:47

5600MHz



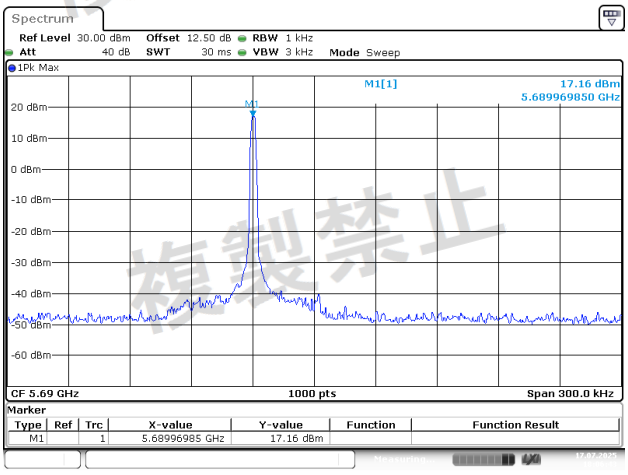
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 18:00:15

5610MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 18:05:42

5690MHz



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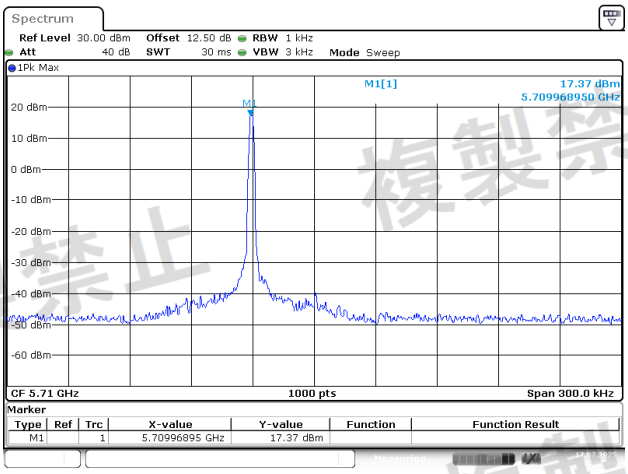
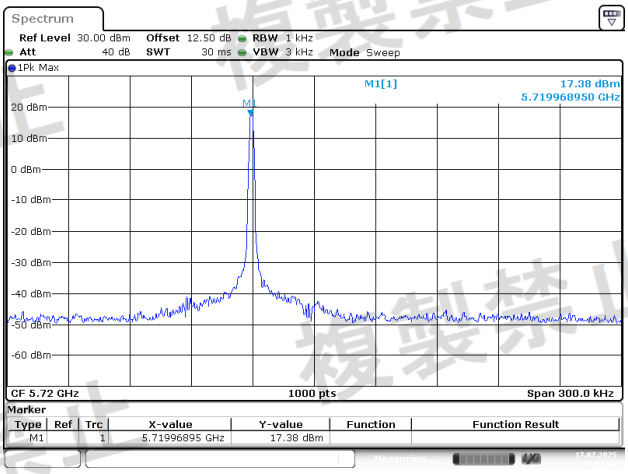
Date: 17.JUL.2025 18:06:43

5710MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 18:04:01

5720MHz



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 17.JUL.2025 18:01:07

Occupied Bandwidth

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025/06/04
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.8	**Relative Humidity: (%)**	61~72	**ATM Pressure: (kPa)**	99.7~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04	BACL Metrology	C

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

W52, Chain 0

Mode	Result (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	16.60	16.56	16.52	≤ 20	Pass
802.11n20	17.60	17.60	17.56	≤ 20	Pass
802.11n40	36.00	/	36.00	≤ 40	Pass
802.11ac80	/	75.36	/	≤ 80	Pass

W52, Chain 1

Mode	Result (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	16.44	16.44	16.44	≤ 20	Pass
802.11n20	17.56	17.56	17.56	≤ 20	Pass
802.11n40	36.00	/	36.08	≤ 40	Pass
802.11ac80	/	75.36	/	≤ 80	Pass

W53, Chain 0

Mode	Result (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	16.44	16.44	16.40	≤ 20	Pass
802.11n20	17.60	17.56	17.56	≤ 20	Pass
802.11n40	36.08	/	36.08	≤ 40	Pass
802.11ac80	/	75.20	/	≤ 80	Pass

W53, Chain 1

Mode	Result (MHz)			Limit(MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	16.40	16.44	16.40	≤ 20	Pass
802.11n20	17.56	17.60	17.60	≤ 20	Pass
802.11n40	36.08	/	36.08	≤ 40	Pass
802.11ac80	/	75.52	/	≤ 80	Pass

W56, Chain 0

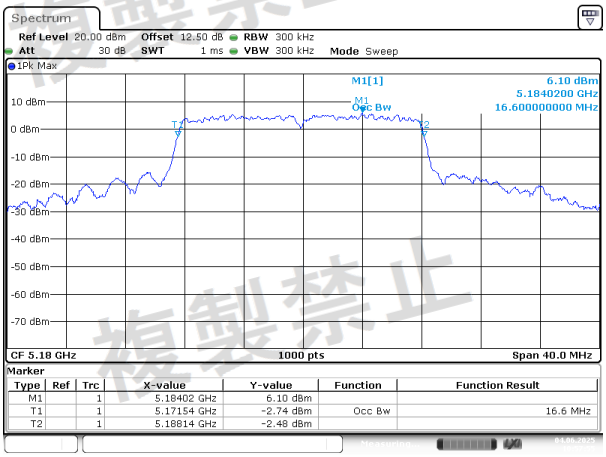
Mode	Result (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	17.16	19.20	19.12	≤ 20	Pass
802.11n20	17.68	17.64	17.80	≤ 20	Pass
802.11n40	36.00	36.00	36.08	≤ 40	Pass
802.11ac80	75.52	75.48	75.68	≤ 80	Pass

W56, Chain 1

Mode	Result (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	19.84	17.60	17.08	≤ 20	Pass
802.11n20	17.64	17.56	17.68	≤ 20	Pass
802.11n40	36.00	36.00	36.08	≤ 40	Pass
802.11ac80	75.68	75.48	75.36	≤ 80	Pass

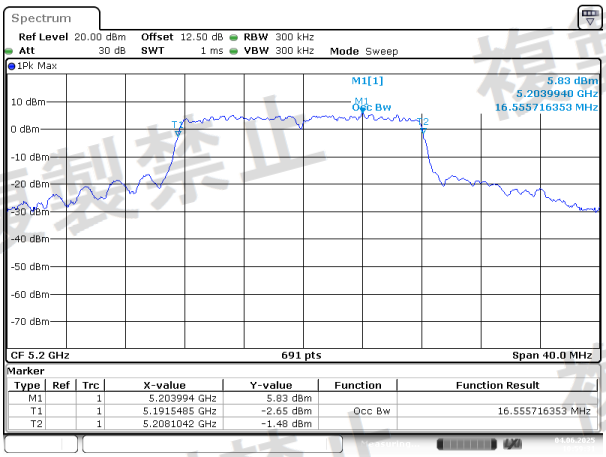
W52, Chain 0, Test Condition: NV

802.11a, Low Channel



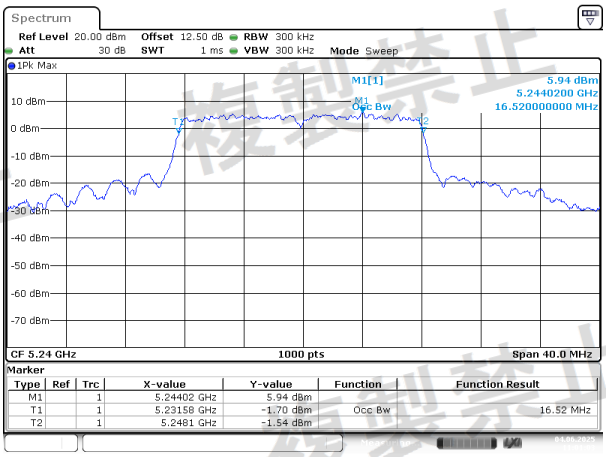
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 10:57:55

802.11a, Middle Channel



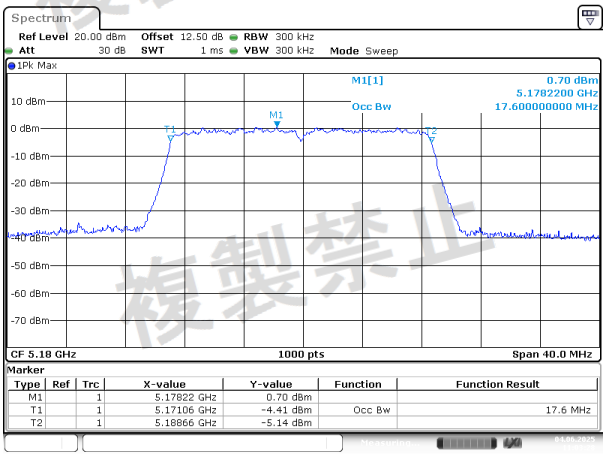
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 10:59:31

802.11a, High Channel



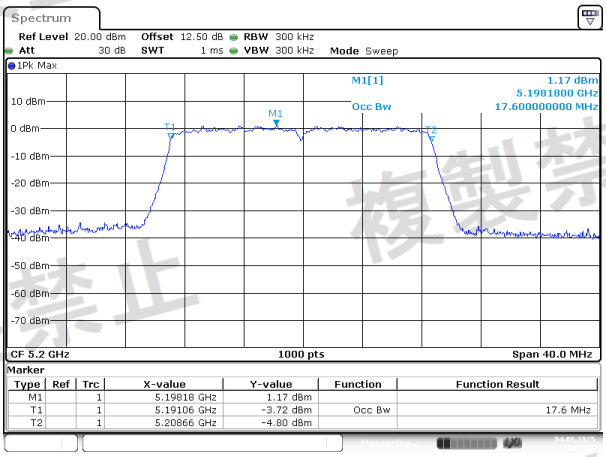
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:01:03

802.11n20, Low Channel



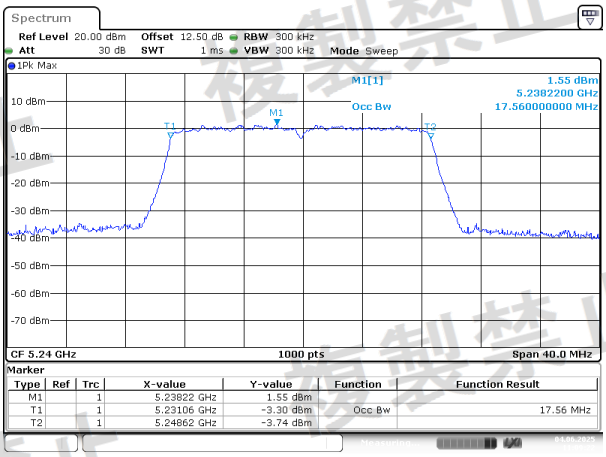
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:03:28

802.11n20, Middle Channel



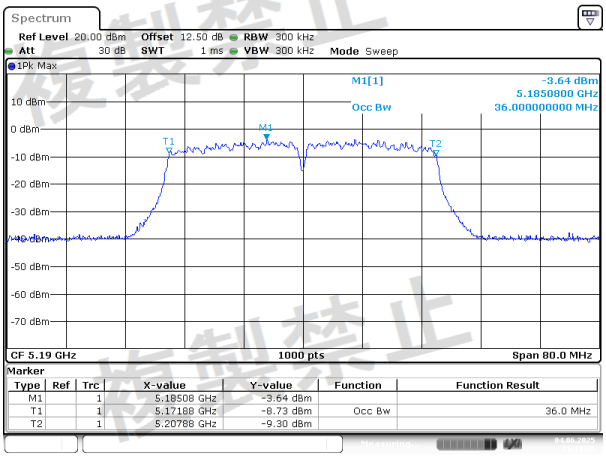
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:05:33

802.11n20, High Channel



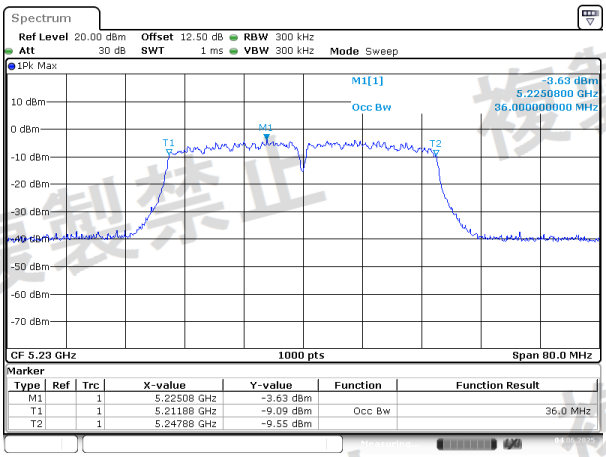
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:09:22

802.11n40, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:11:29

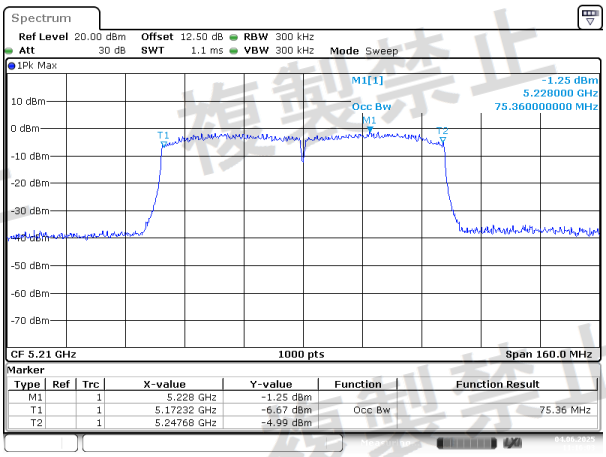
802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:13:17

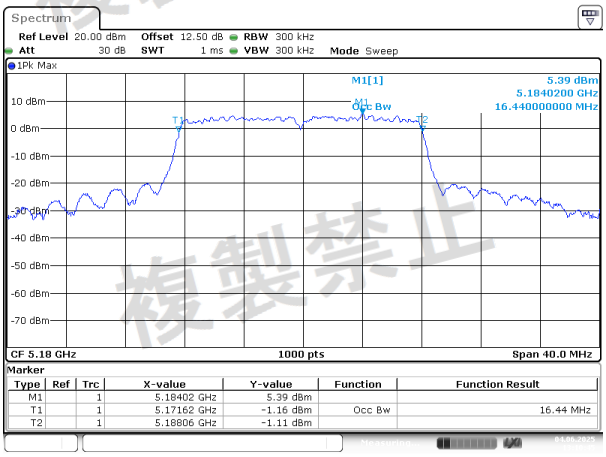
W52, Chain 1, Test Condition: NV

802.11ac80, Middle Channel



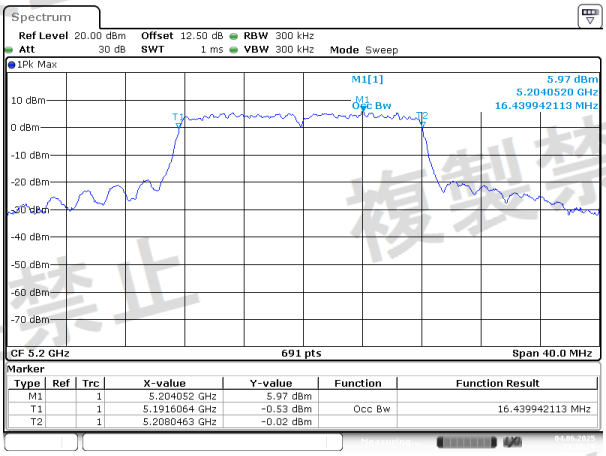
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:16:02

802.11a, Low Channel



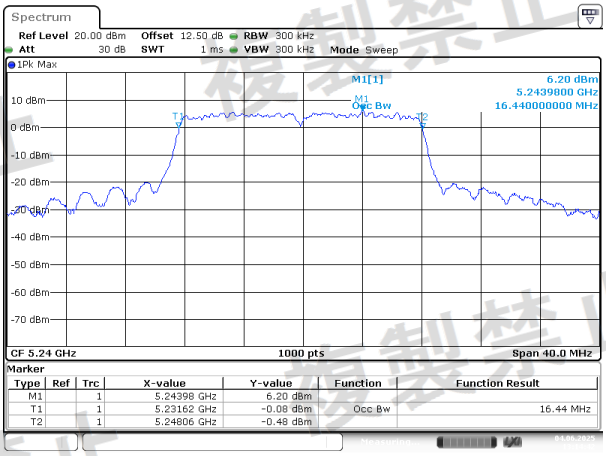
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:10:45

802.11a, Middle Channel



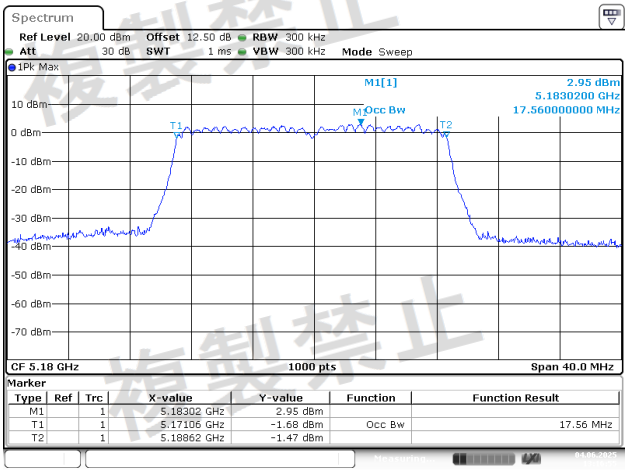
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:12:28

802.11a, High Channel



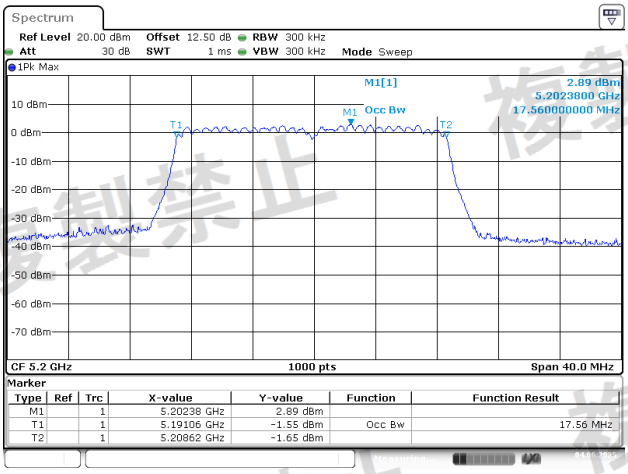
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:14:42

802.11n20, Low Channel



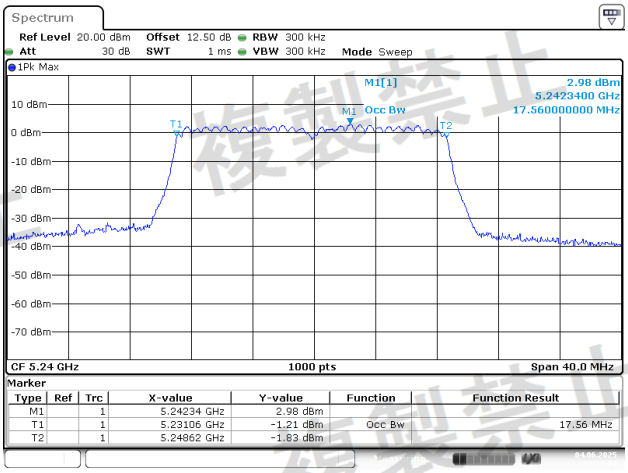
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:16:55

802.11n20, Middle Channel



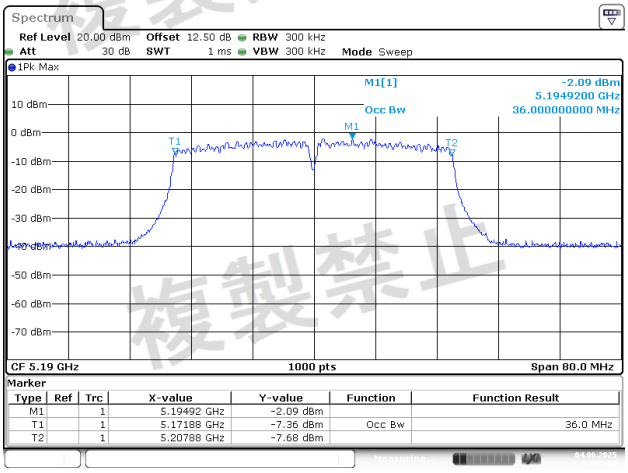
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:18:50

802.11n20, High Channel



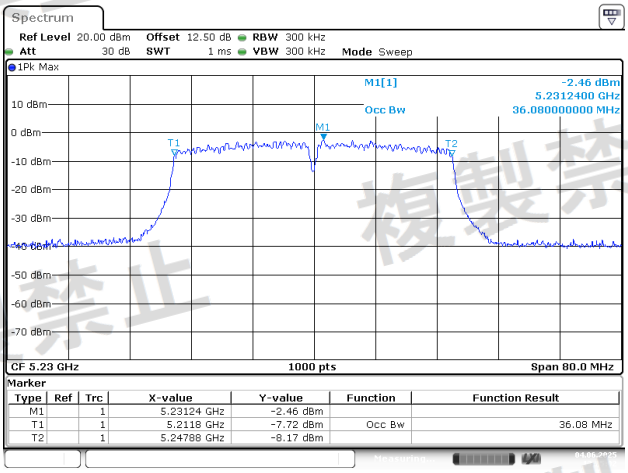
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:21:04

802.11n40, Low Channel



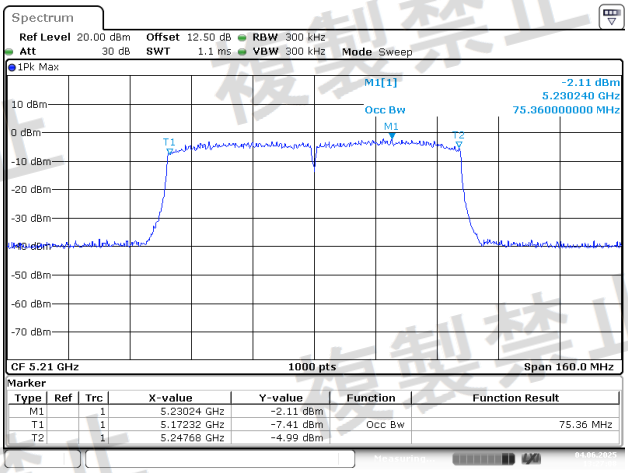
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:23:07

802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:25:02

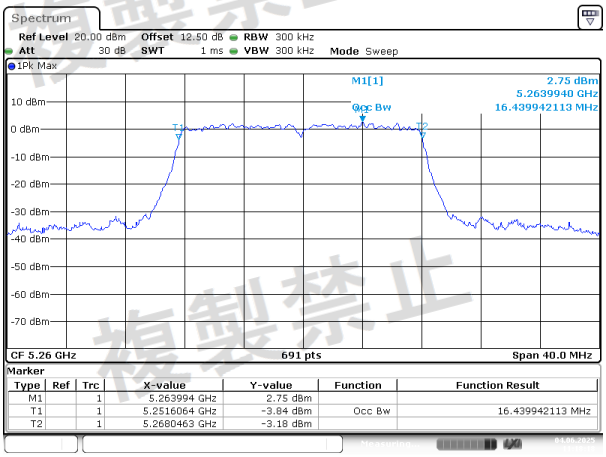
802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:27:08

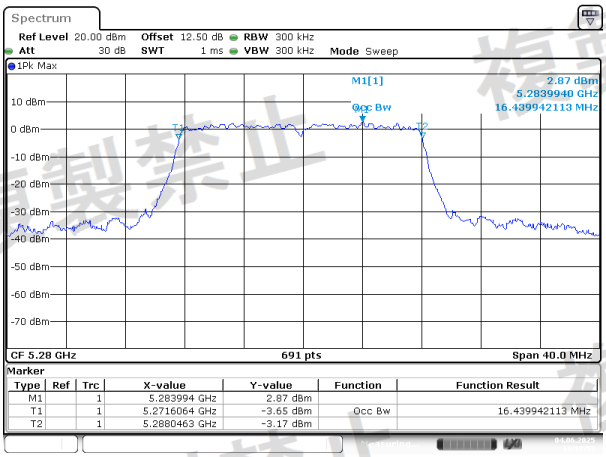
W53, Chain 0, Test Condition: NV

802.11a, Low Channel



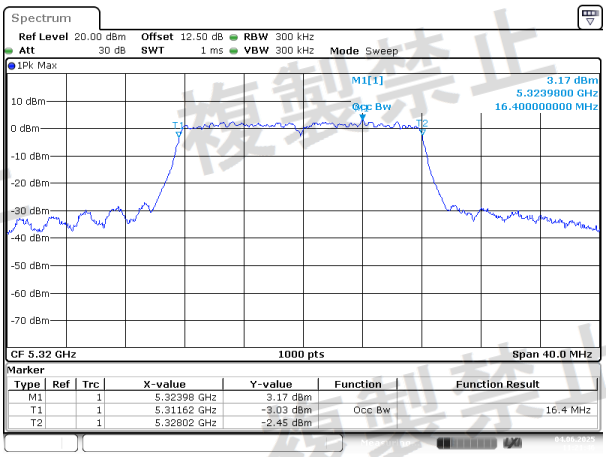
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:18:18

802.11a, Middle Channel



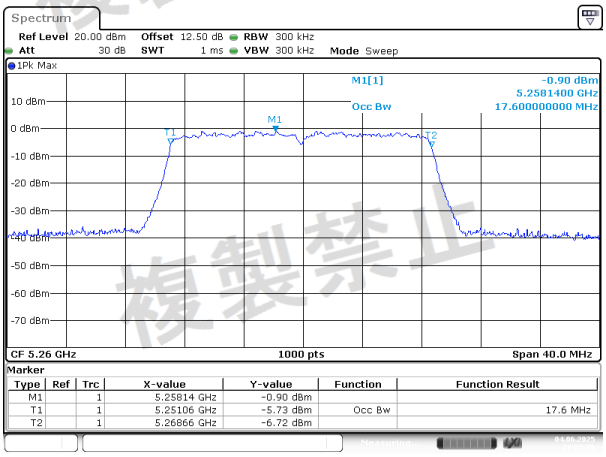
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:19:53

802.11a, High Channel



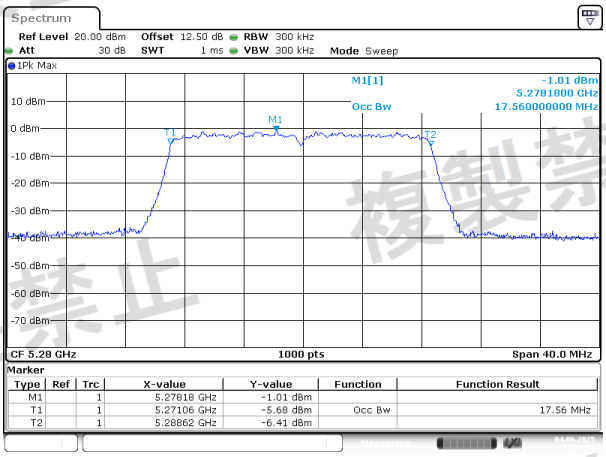
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:21:46

802.11n20, Low Channel



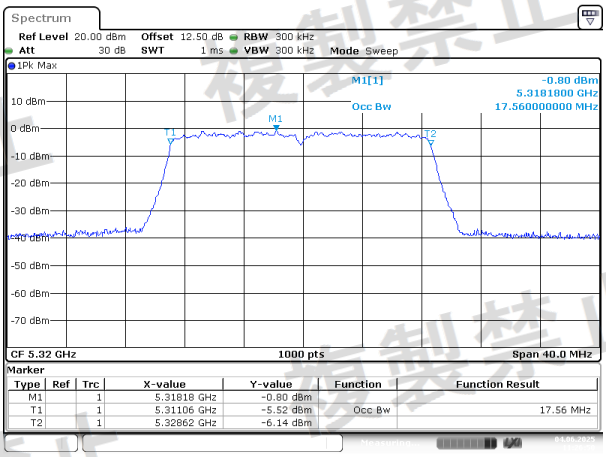
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:23:56

802.11n20, Middle Channel



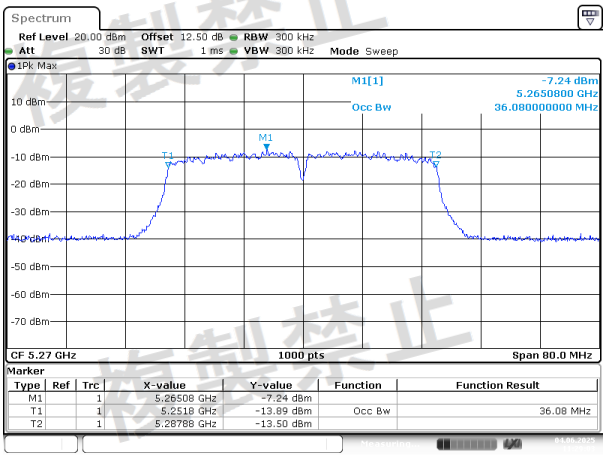
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:24:53

802.11n20, High Channel



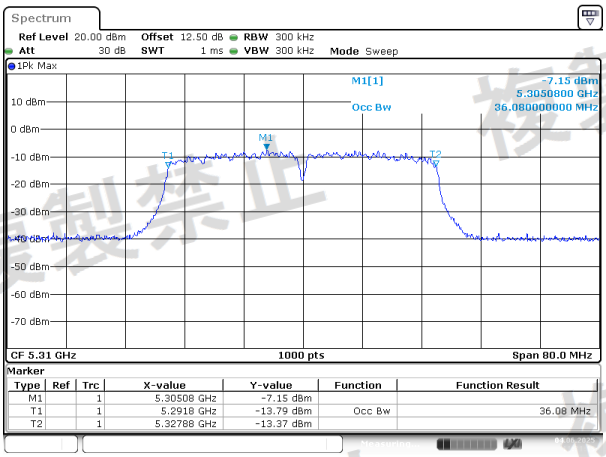
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:26:49

802.11n40, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:29:03

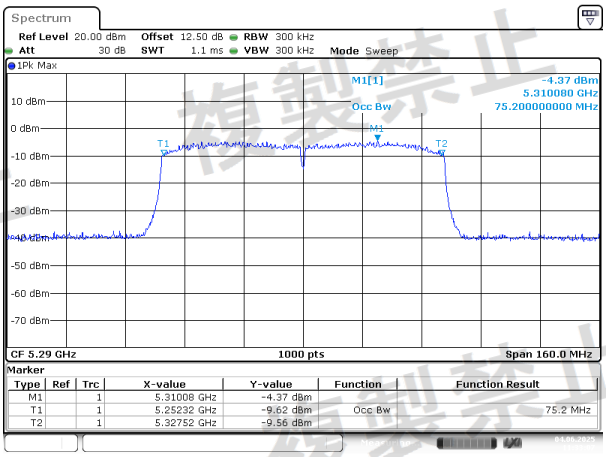
802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:31:13

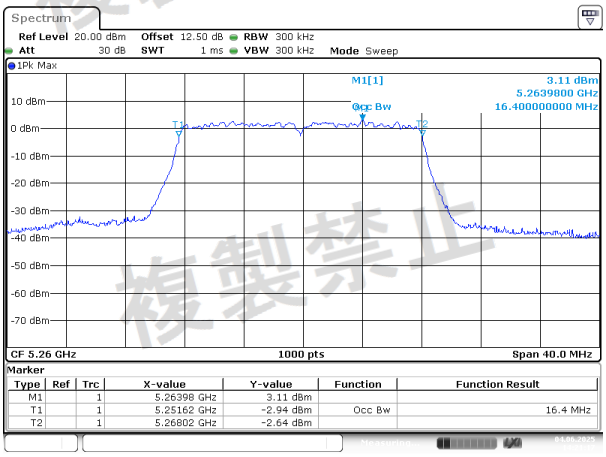
W53, Chain 1, Test Condition: NV

802.11ac80, Middle Channel



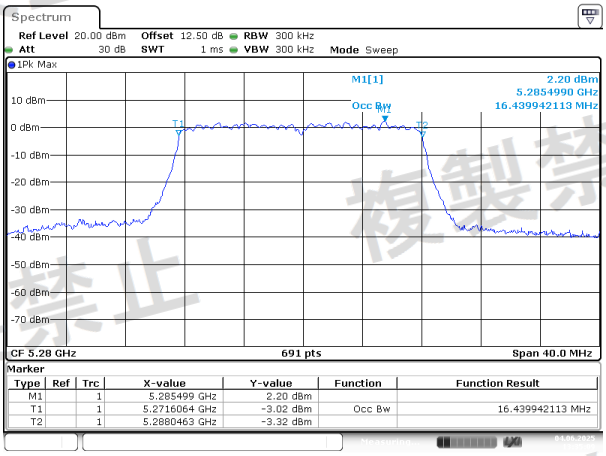
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:33:07

802.11a, Low Channel



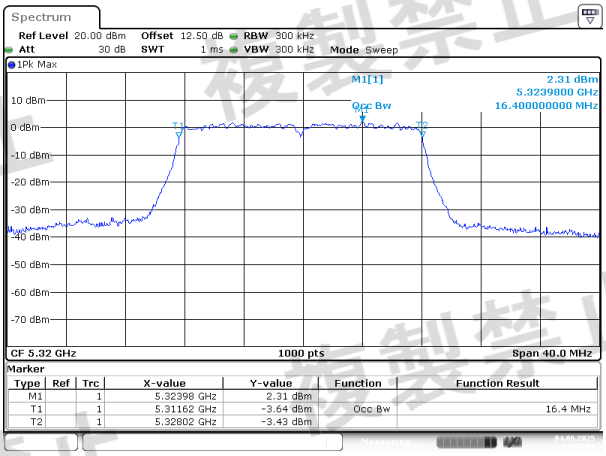
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:21:17

802.11a, Middle Channel



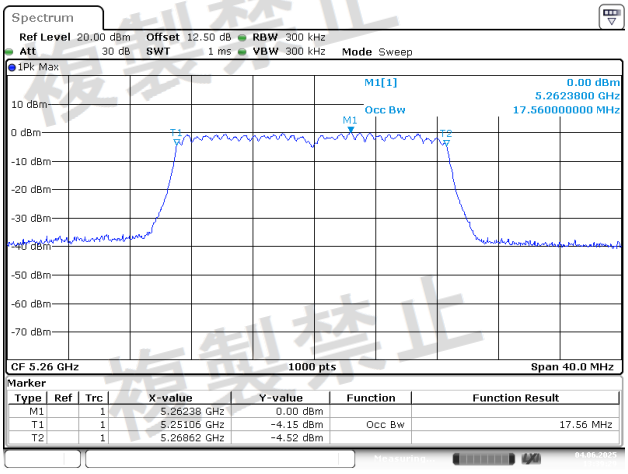
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:35:09

802.11a, High Channel



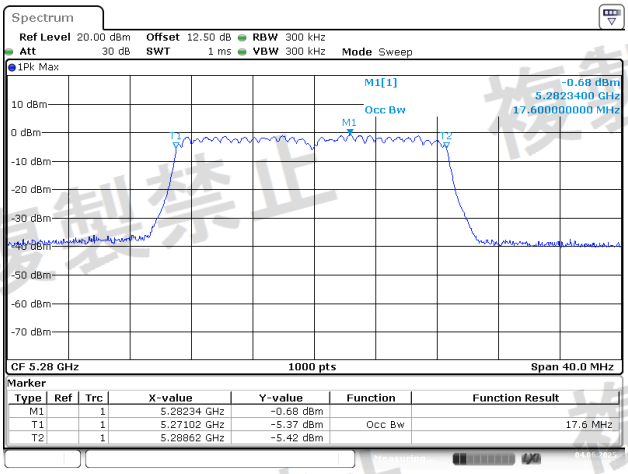
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:37:03

802.11n20, Low Channel



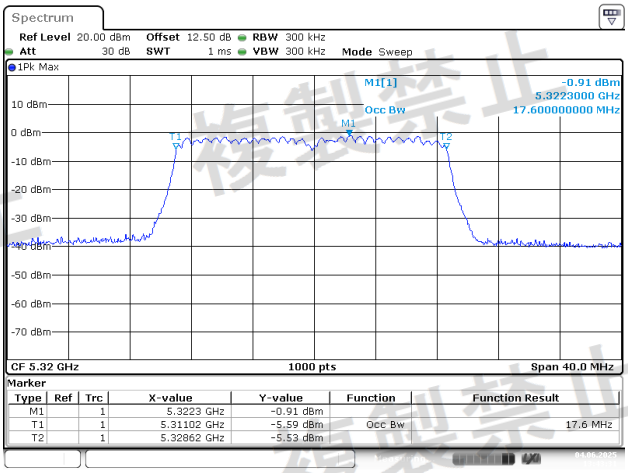
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:39:30

802.11n20, Middle Channel



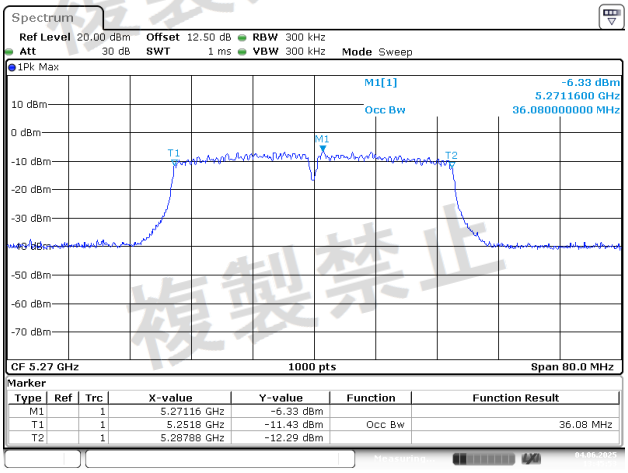
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:41:33

802.11n20, High Channel



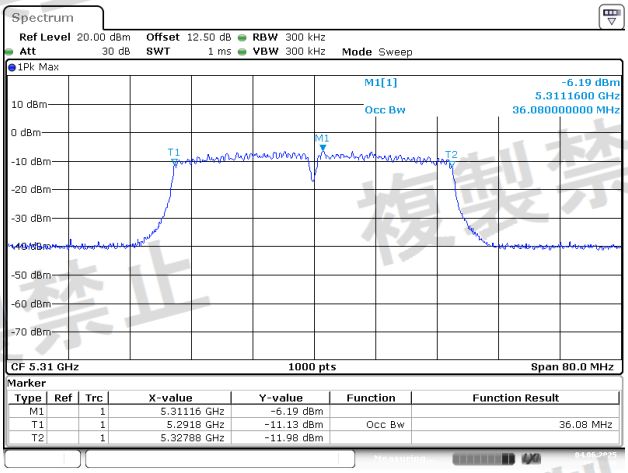
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:43:31

802.11n40, Low Channel



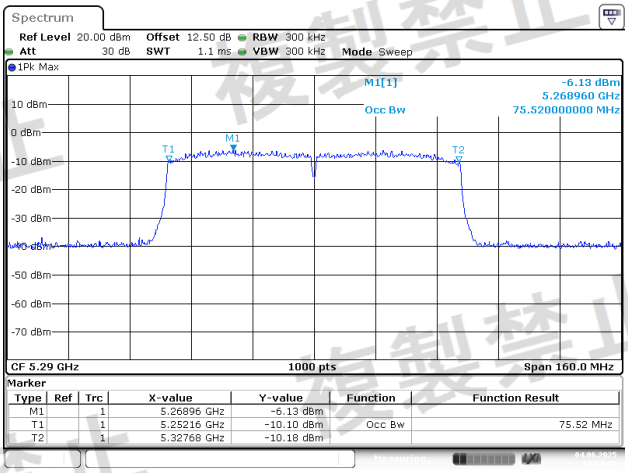
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:45:53

802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:48:36

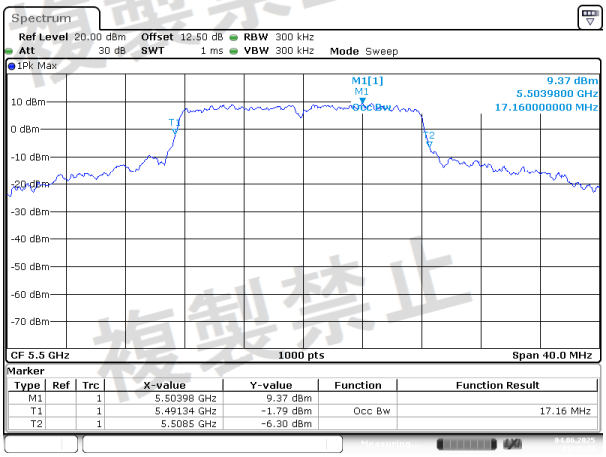
802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:51:16

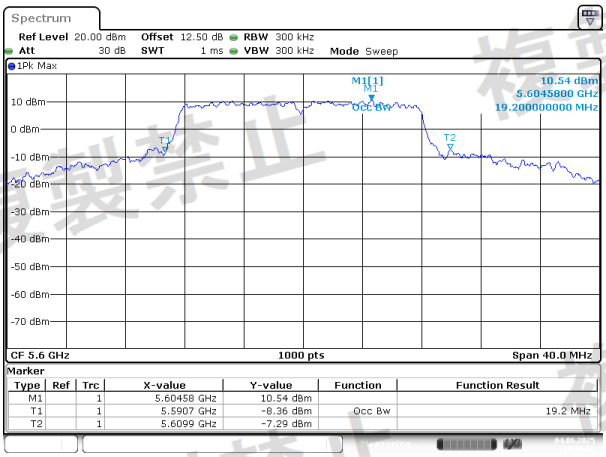
W56, Chain 0, Test Condition: NV

802.11a, Low Channel



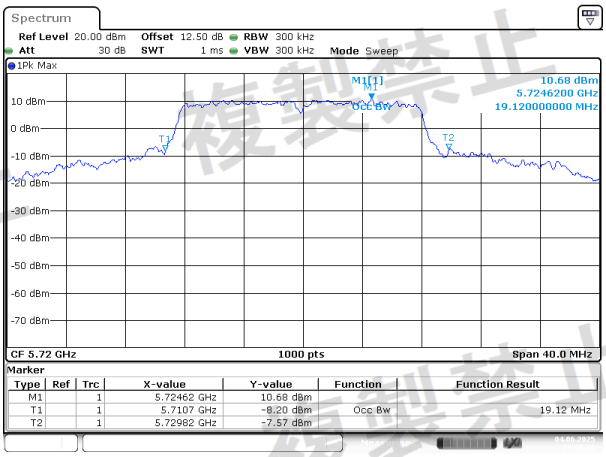
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:35:23

802.11a, Middle Channel



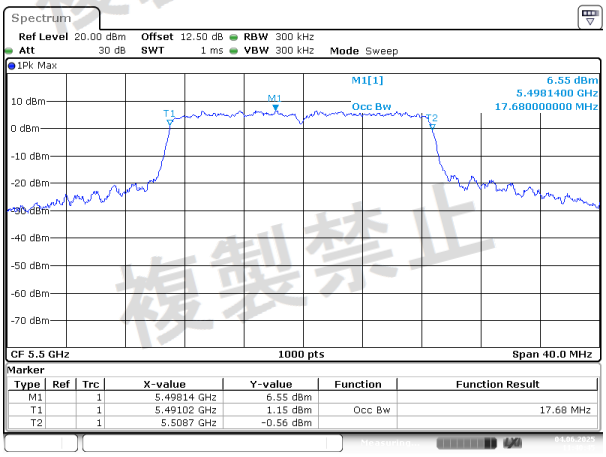
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:36:59

802.11a, High Channel



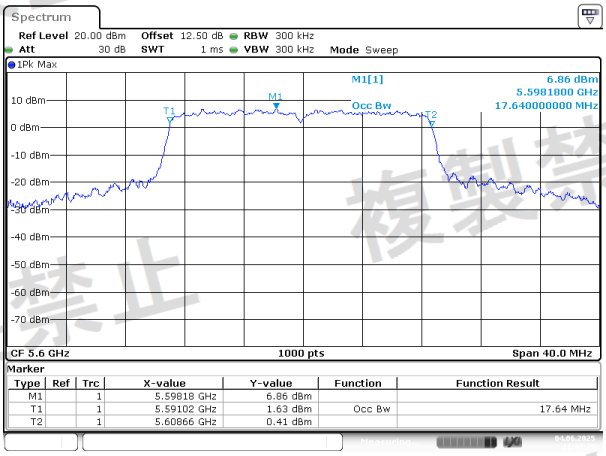
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:38:48

802.11n20, Low Channel



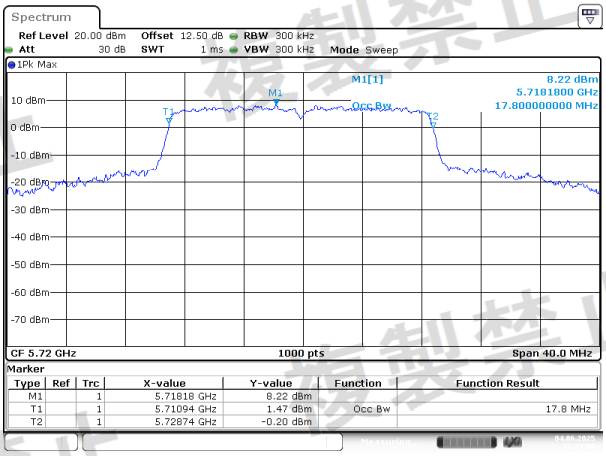
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:40:44

802.11n20, Middle Channel



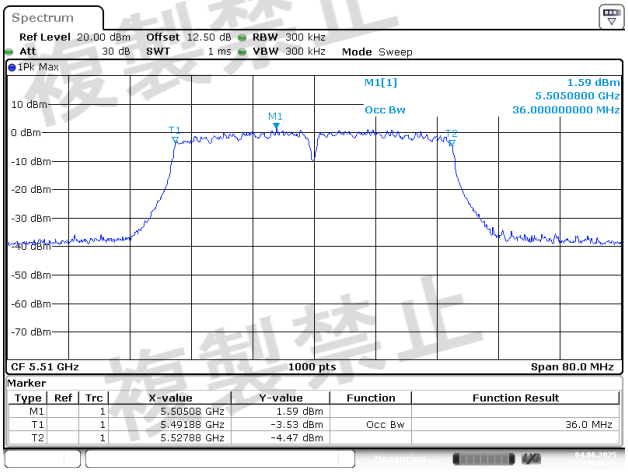
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:42:29

802.11n20, High Channel



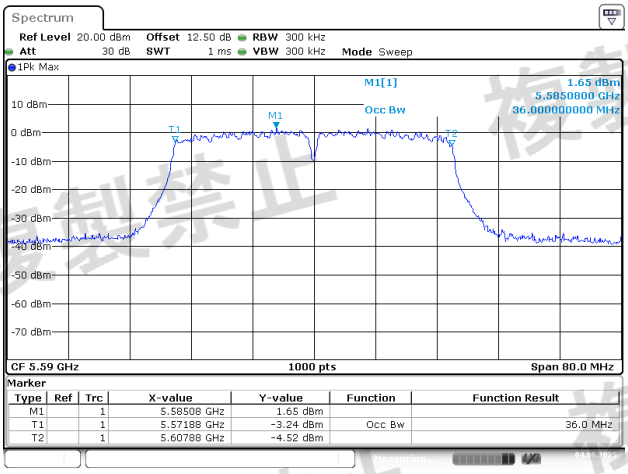
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:44:09

802.11n40, Low Channel



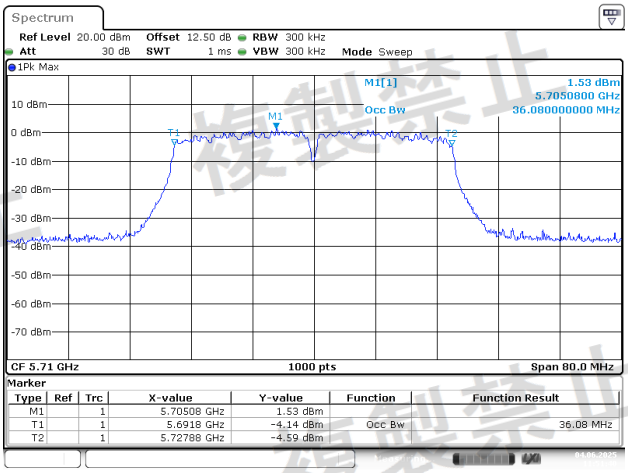
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:46:13

802.11n40, Middle Channel



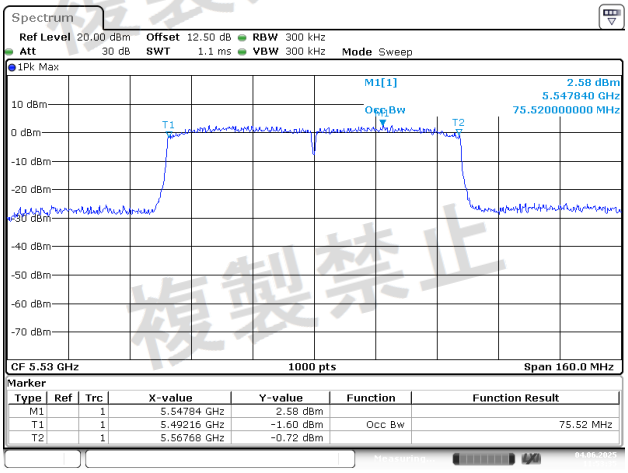
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:48:36

802.11n40, High Channel



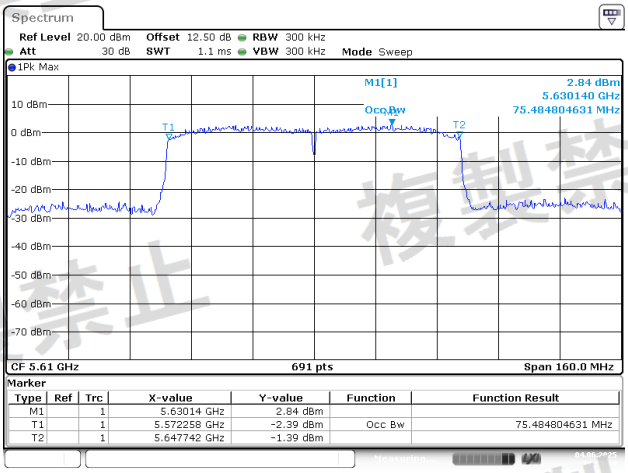
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:51:39

802.11ac80, Low Channel



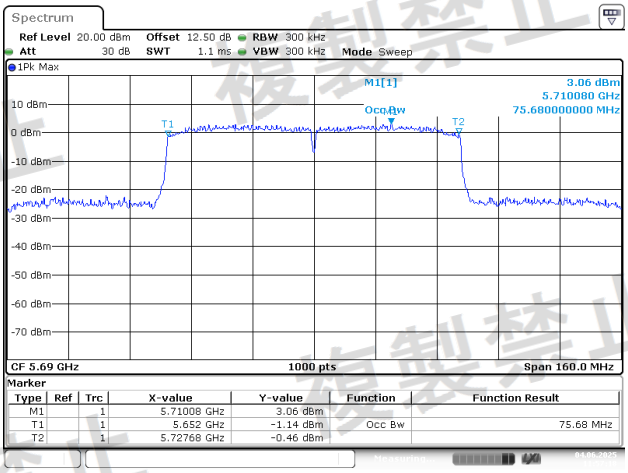
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:53:35

802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:55:34

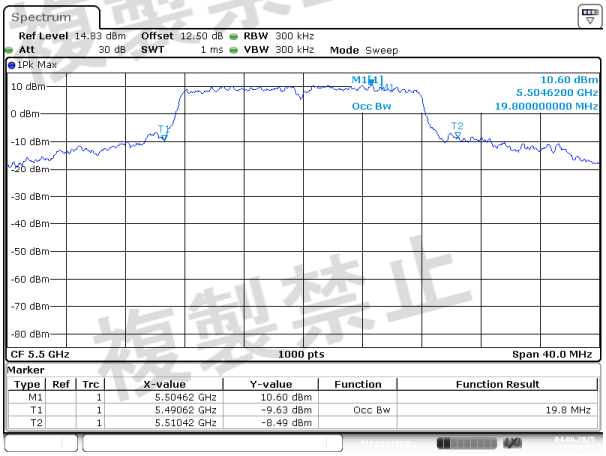
802.11ac80, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:57:17

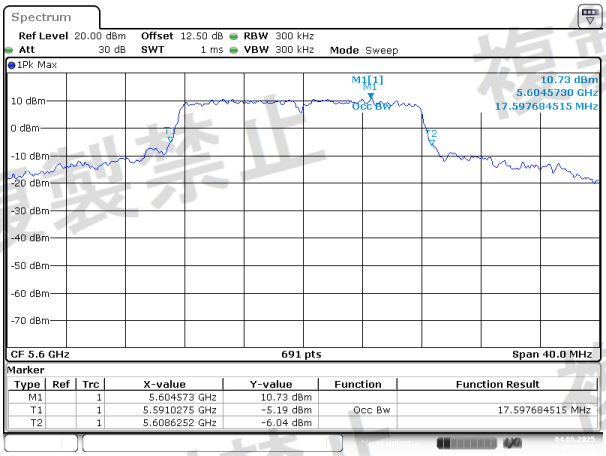
W56, Chain 1, Test Condition: NV

802.11a, Low Channel



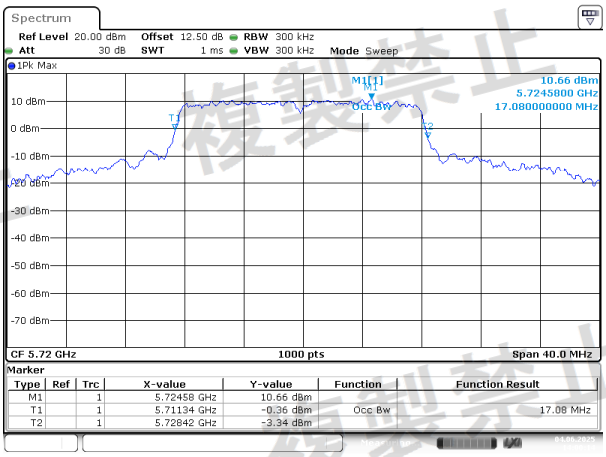
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:56:53

802.11a, Middle Channel



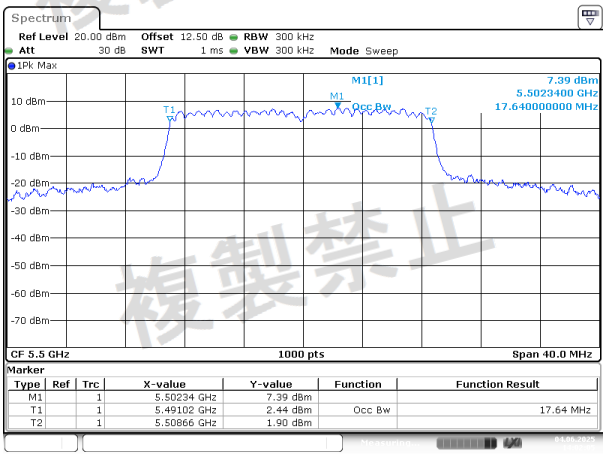
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:58:26

802.11a, High Channel



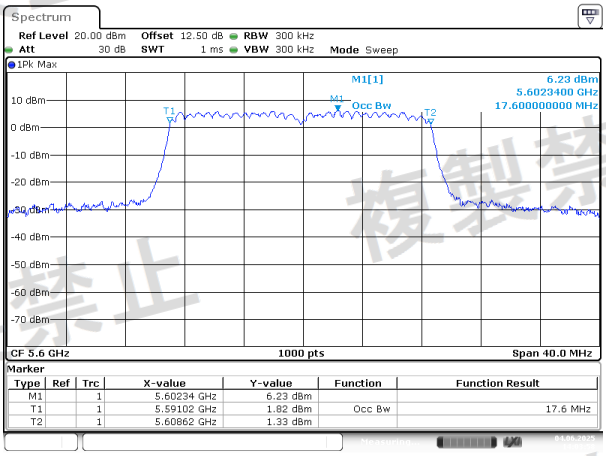
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:00:14

802.11n20, Low Channel



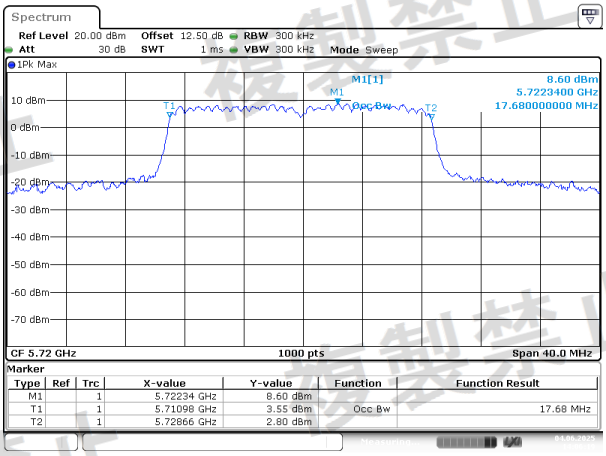
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:02:05

802.11n20, Middle Channel



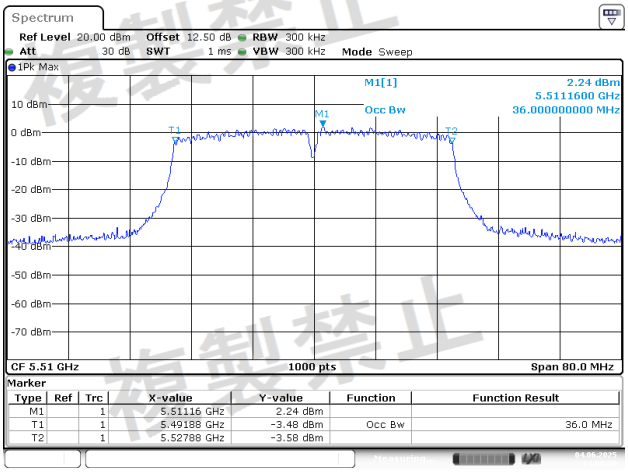
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:03:58

802.11n20, High Channel



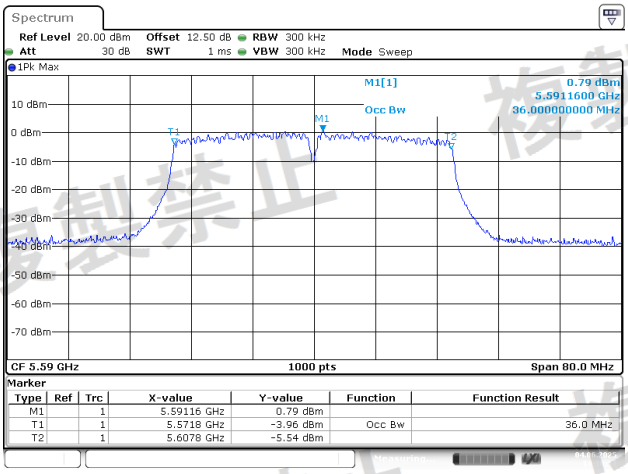
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:06:19

802.11n40, Low Channel



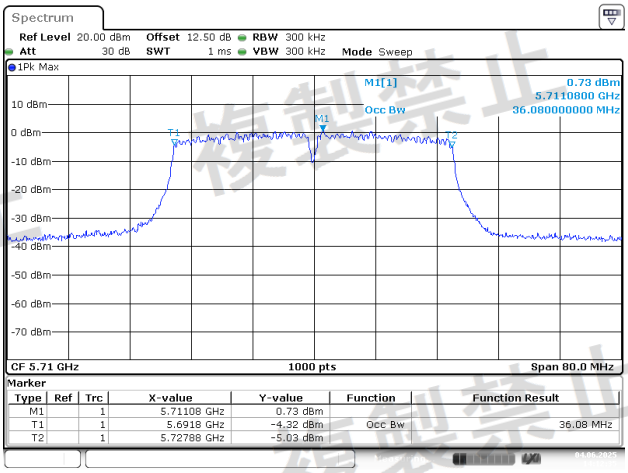
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:08:39

802.11n40, Middle Channel



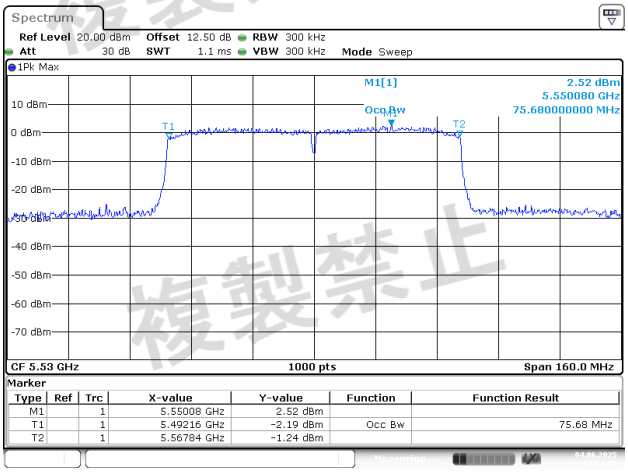
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:10:31

802.11n40, High Channel



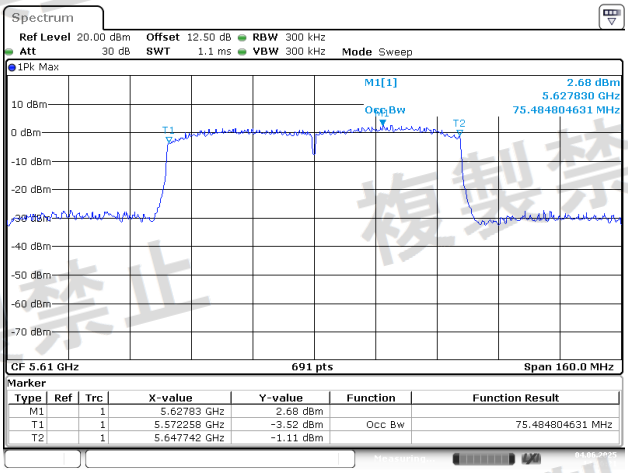
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:12:35

802.11ac80, Low Channel



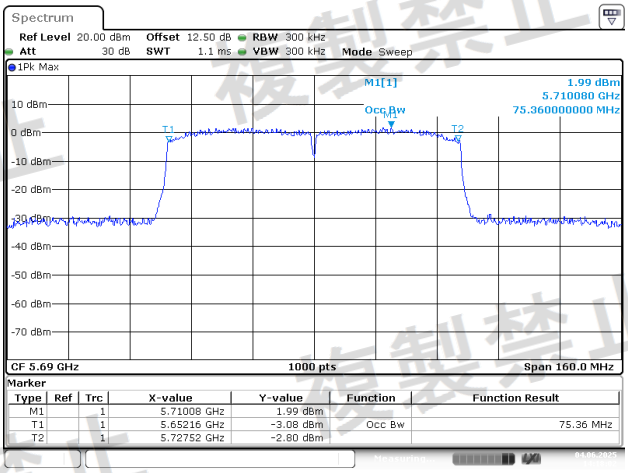
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:14:29

802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:16:21

802.11ac80, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:18:02

Transmitter Spurious Emission Strength

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025/06/04~2025/06/05
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	25.1~25.8	**Relative Humidity: (%)**	61~66	**ATM Pressure: (kPa)**	100.6~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04	BACL Metrology	C
Gongee	Coaxial Power Splitters & Combiner	PD-0/6-2S	RF20230800110	2025/01/15	2026/01/14	BACL(DG)	D

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

Note: *Antenna gain has been added to the test program and compliant the limit, please refers to following table and plots.*

W52, Chain 0, 802.11a

Channel	Frequency Range		Max.Emission Located (MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5100	4930.54	-27.85	1.641	2.50	Pass
	5100	5142	5124.22	-27.58	1.746	2.50	Pass
	5142	5150	5148.85	-23.35	4.624	15	Pass
	5250	5251	5250.99	-28.44	1.432	102.33	Pass
	5251	5260	5258.83	-27.91	1.618	20.14	Pass
	5260	5266.7	5266.48	-29.04	1.247	2.64	Pass
	5266.7	5300	5282.06	-27.86	1.637	2.50	Pass
	5300	26000	6958.6	-30.35	0.923	2.50	Pass
Middle	30	5100	4594.9	-27.72	1.690	2.50	Pass
	5100	5142	5116.52	-27.67	1.710	2.50	Pass
	5142	5150	5147.85	-27.89	1.626	15	Pass
	5250	5251	5250.80	-27.07	1.963	158.49	Pass
	5251	5260	5259.66	-27.69	1.702	16.99	Pass
	5260	5266.7	5266.34	-29.08	1.236	2.75	Pass
	5266.7	5300	5278.81	-27.57	1.750	2.50	Pass
	5300	26000	5878	-30.35	0.923	2.50	Pass
High	30	5100	4361.17	-27.55	1.758	2.50	Pass
	5100	5142	5114.19	-28.03	1.574	2.50	Pass
	5142	5150	5142.60	-27.87	1.633	15	Pass
	5250	5251	5250.98	-15.26	29.785	104.71	Pass
	5251	5260	5256.53	-17.22	18.967	32.24	Pass
	5260	5266.7	5265.06	-24.77	3.334	3.92	Pass
	5266.7	5300	5285.39	-27.87	1.633	2.50	Pass
	5300	26000	6903.7	-29.99	1.002	2.50	Pass

W52, Chain 0, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5100	4351.29	-27.55	1.758	2.50	Pass
	5100	5142	5128.07	-28.08	1.556	2.50	Pass
	5142	5150	5144.87	-27.75	1.679	15	Pass
	5250	5251	5250.98	-28.56	1.393	104.71	Pass
	5251	5260	5259.44	-28.75	1.334	17.77	Pass
	5260	5266.7	5266.68	-29.37	1.156	2.50	Pass
	5266.7	5300	5289.52	-28.12	1.542	2.50	Pass
	5300	26000	6999	-30.72	0.847	2.50	Pass
Middle	30	5100	4361.93	-41.92	0.064	2.50	Pass
	5100	5142	5133.11	-27.69	1.702	2.50	Pass
	5142	5150	5146.24	-27.88	1.629	15	Pass
	5250	5251	5251.00	-28.99	1.262	100.00	Pass
	5251	5260	5259.78	-28.50	1.413	16.58	Pass
	5260	5266.7	5266.27	-28.26	1.493	2.80	Pass
	5266.7	5300	5277.61	-27.39	1.824	2.50	Pass
	5300	26000	5436.1	-40.26	0.094	2.50	Pass
High	30	5100	5080.86	-42.57	0.055	2.50	Pass
	5100	5142	5125.38	-27.55	1.758	2.50	Pass
	5142	5150	5142.68	-27.79	1.663	15	Pass
	5250	5251	5250.00	-8.78	132.434	1000.00	Pass
	5251	5260	5259.99	-27.83	1.648	15.88	Pass
	5260	5266.7	5265.88	-27.20	1.905	3.12	Pass
	5266.7	5300	5277.70	-27.60	1.738	2.50	Pass
	5300	26000	5484.7	-40.78	0.084	2.50	Pass

W52, Chain 0, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5100	1767.36	-42.06	0.062	2.50	Pass
	5100	5141.6	5129.52	-27.53	1.766	2.50	Pass
	5141.6	5150	5147.87	-27.41	1.816	15	Pass
	5250	5251	5250.93	-28.33	1.469	58.74	Pass
	5251	5270	5267.52	-27.52	1.770	10.08	Pass
	5270	5278.4	5278.09	-27.76	1.675	2.59	Pass
	5278.4	5300	5290.27	-27.81	1.656	2.50	Pass
	5300	26000	5806.6	-40.51	0.089	2.50	Pass
High	30	5100	5091.51	-42.66	0.054	2.50	Pass
	5100	5141.6	5132.43	-27.38	1.828	2.50	Pass
	5141.6	5150	5144.49	-27.12	1.941	15	Pass
	5250	5251	5251.00	-17.12	19.409	50.00	Pass
	5251	5270	5251.16	-17.90	16.218	49.23	Pass
	5270	5278.4	5278.04	-28.24	1.500	2.61	Pass
	5278.4	5300	5288.00	-27.93	1.611	2.50	Pass
	5300	26000	6972	-40.23	0.095	2.50	Pass

W52, Chain 0, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Middle	30	5100	5096.83	-41.48	0.071	2.50	Pass
	5100	5123.2	5119.45	-28.04	1.570	2.50	Pass
	5123.2	5150	5144.28	-27.35	1.841	15	Pass
	5250	5251	5251.00	-18.90	12.882	25.00	Pass
	5251	5290	5251.02	-19.49	11.246	24.98	Pass
	5290	5296.7	5294.99	-26.45	2.265	2.81	Pass
	5296.7	5350	5303.18	-27.54	1.762	2.50	Pass
	5350	26000	5920.5	-40.14	0.097	2.50	Pass

W52, Chain 1, 802.11a

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (µW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (µW/MHz)		
Low	30	5100	4334.56	-27.85	1.641	2.50	Pass
	5100	5142	5127.79	-27.72	1.690	2.50	Pass
	5142	5150	5146.03	-24.53	3.524	15	Pass
	5250	5251	5250.98	-28.95	1.274	104.71	Pass
	5251	5260	5259.85	-28.55	1.396	16.34	Pass
	5260	5266.7	5265.79	-27.99	1.589	3.20	Pass
	5266.7	5300	5289.89	-28.05	1.567	2.50	Pass
	5300	26000	6983.4	-30.24	0.946	2.50	Pass
Middle	30	5100	4425.56	-27.94	1.607	2.50	Pass
	5100	5142	5122.25	-27.85	1.641	2.50	Pass
	5142	5150	5147.56	-27.21	1.901	15	Pass
	5250	5251	5250.98	-28.58	1.387	104.71	Pass
	5251	5260	5259.76	-28.52	1.406	16.65	Pass
	5260	5266.7	5266.35	-28.54	1.400	2.74	Pass
	5266.7	5300	5273.97	-28.27	1.489	2.50	Pass
	5300	26000	5960.8	-30.02	0.995	2.50	Pass
High	30	5100	4176.63	-27.71	1.694	2.50	Pass
	5100	5142	5103.41	-28.08	1.556	2.50	Pass
	5142	5150	5146.66	-27.67	1.710	15	Pass
	5250	5251	5250.98	-14.13	38.637	104.71	Pass
	5251	5260	5254.27	-14.23	37.757	51.21	Pass
	5260	5266.7	5265.92	-26.55	2.213	3.09	Pass
	5266.7	5300	5269.71	-27.91	1.618	2.50	Pass
	5300	26000	5855.3	-30.43	0.906	2.50	Pass

W52, Chain 1, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5100	4998.98	-42.94	0.051	2.50	Pass
	5100	5142	5128.76	-27.64	1.722	2.50	Pass
	5142	5150	5144.42	-27.95	1.603	15	Pass
	5250	5251	5250.98	-28.50	1.413	104.71	Pass
	5251	5260	5259.96	-29.04	1.247	15.98	Pass
	5260	5266.7	5266.56	-27.81	1.656	2.59	Pass
	5266.7	5300	5270.42	-27.14	1.932	2.50	Pass
	5300	26000	6001.2	-40.73	0.085	2.50	Pass
Middle	30	5100	913.83	-41.23	0.075	2.50	Pass
	5100	5142	5139.76	-27.31	1.858	2.50	Pass
	5142	5150	5145.48	-27.76	1.675	15	Pass
	5250	5251	5250.97	-28.63	1.371	107.15	Pass
	5251	5260	5259.36	-28.85	1.303	18.07	Pass
	5260	5266.7	5266.59	-28.42	1.439	2.57	Pass
	5266.7	5300	5293.38	-27.77	1.671	2.50	Pass
	5300	26000	6787.8	-40.68	0.086	2.50	Pass
High	30	5100	5077.57	-42.30	0.059	2.50	Pass
	5100	5142	5123.61	-27.44	1.803	2.50	Pass
	5142	5150	5147.37	-27.84	1.644	15	Pass
	5250	5251	5250.01	-10.04	99.083	977.24	Pass
	5251	5260	5259.22	-27.09	1.954	18.59	Pass
	5260	5266.7	5266.62	-26.63	2.173	2.54	Pass
	5266.7	5300	5268.29	-28.11	1.545	2.50	Pass
	5300	26000	10481.7	-39.09	0.123	2.50	Pass

W52, Chain 1, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5100	5090.49	-43.07	0.049	2.50	Pass
	5100	5141.6	5111.63	-27.10	1.950	2.50	Pass
	5141.6	5150	5148.16	-27.09	1.954	15	Pass
	5250	5251	5250.95	-27.64	1.722	56.10	Pass
	5251	5270	5269.76	-27.48	1.786	8.11	Pass
	5270	5278.4	5278.36	-28.08	1.556	2.50	Pass
	5278.4	5300	5282.67	-27.60	1.738	2.50	Pass
	5300	26000	5873.9	-40.63	0.086	2.50	Pass
High	30	5100	4380.19	-43.07	0.049	2.50	Pass
	5100	5141.6	5126.23	-27.25	1.884	2.50	Pass
	5141.6	5150	5144.69	-27.50	1.778	15	Pass
	5250	5251	5250.99	-17.93	16.106	51.16	Pass
	5251	5270	5251.07	-18.03	15.740	49.66	Pass
	5270	5278.4	5276.78	-27.37	1.832	3.11	Pass
	5278.4	5300	5279.06	-27.51	1.774	2.50	Pass
	5300	26000	6942	-40.51	0.089	2.50	Pass

W52, Chain 1, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Middle	30	5100	904.7	-38.20	0.151	2.50	Pass
	5100	5123.2	5104.23	-27.99	1.589	2.50	Pass
	5123.2	5150	5127.07	-27.83	1.648	15	Pass
	5250	5251	5250.98	-19.75	10.593	26.18	Pass
	5251	5290	5289.51	-28.06	1.563	4.06	Pass
	5290	5296.7	5294.97	-28.22	1.507	2.81	Pass
	5296.7	5350	5302.91	-28.29	1.483	2.50	Pass
	5350	26000	18910.3	-40.82	0.083	2.50	Pass

W52, Chain 0+Chain 1, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5100	/	-27.43	1.807	2.50	Pass
	5100	5142	5110.89	-27.60	1.738	2.50	Pass
	5142	5150	5144.02	-28.06	1.563	15	Pass
	5250	5251	5250.98	-28.50	1.413	104.71	Pass
	5251	5260	5259.46	-27.81	1.656	17.70	Pass
	5260	5266.7	5266.40	-29.04	1.247	2.70	Pass
	5266.7	5300	5270.19	-27.52	1.770	2.50	Pass
	5300	26000	/	-30.31	0.931	2.50	Pass
Middle	30	5100	/	-38.55	0.140	2.50	Pass
	5100	5142	5119.31	-27.73	1.687	2.50	Pass
	5142	5150	5142.10	-27.58	1.746	15	Pass
	5250	5251	5250.98	-29.03	1.250	104.71	Pass
	5251	5260	5259.98	-28.45	1.429	15.91	Pass
	5260	5266.7	5265.18	-27.26	1.879	3.79	Pass
	5266.7	5300	5290.17	-27.14	1.932	2.50	Pass
	5300	26000	/	-37.45	0.180	2.50	Pass
High	30	5100	/	-39.42	0.114	2.50	Pass
	5100	5142	5135.23	-27.92	1.614	2.50	Pass
	5142	5150	5143.48	-27.94	1.607	15	Pass
	5250	5251	5250.00	-10.30	93.325	1000.00	Pass
	5251	5260	5258.90	-26.65	2.163	19.85	Pass
	5260	5266.7	5266.32	-28.52	1.406	2.76	Pass
	5266.7	5300	5280.74	-27.00	1.995	2.50	Pass
	5300	26000	/	-36.84	0.207	2.50	Pass

W52, Chain 0+Chain 1, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5100	/	-39.53	0.111	2.50	Pass
	5100	5141.6	5101.10	-27.96	1.600	2.50	Pass
	5141.6	5150	5149.31	-25.47	2.838	15	Pass
	5250	5251	5250.99	-28.89	1.291	51.16	Pass
	5251	5270	5269.23	-27.53	1.766	8.54	Pass
	5270	5278.4	5278.28	-27.46	1.795	2.52	Pass
	5278.4	5300	5296.60	-26.67	2.153	2.50	Pass
	5300	26000	/	-37.56	0.175	2.50	Pass
High	30	5100	/	-39.85	0.104	2.50	Pass
	5100	5141.6	5101.27	-27.54	1.762	2.50	Pass
	5141.6	5150	5143.75	-27.53	1.766	15	Pass
	5250	5251	5250.98	-17.48	17.865	52.36	Pass
	5251	5270	5251.06	-18.60	13.804	49.71	Pass
	5270	5278.4	5278.12	-28.36	1.459	2.58	Pass
	5278.4	5300	5282.10	-26.98	2.004	2.50	Pass
	5300	26000	/	-37.36	0.184	2.50	Pass

W52, Chain 0+Chain 1, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Middle	30	5100	/	-36.53	0.222	2.50	Pass
	5100	5123.2	5115.95	-27.70	1.698	2.50	Pass
	5123.2	5150	5149.99	-27.86	1.637	15	Pass
	5250	5251	5250.96	-20.23	9.484	27.41	Pass
	5251	5290	5285.18	-27.67	1.710	4.98	Pass
	5290	5296.7	5295.03	-28.28	1.486	2.80	Pass
	5296.7	5350	5298.01	-27.93	1.611	2.50	Pass
	5350	26000	/	-37.46	0.179	2.50	Pass

W53, Chain 0, 802.11a

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (µW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (µW/MHz)		
Low	30	5200	5116.38	-27.95	1.603	2.50	Pass
	5200	5233.3	5232.85	-34.44	0.360	2.50	Pass
	5233.3	5240	5236.53	-28.22	1.507	6.08	Pass
	5240	5249	5241.05	-26.98	2.004	19.65	Pass
	5249	5250	5250.00	-10.03	99.312	1000.00	Pass
	5350	5400	5366.82	-37.36	0.184	2.50	Pass
	5400	26000	6326.5	-31.16	0.766	2.50	Pass
Middle	30	5200	5160.84	-27.87	1.633	2.50	Pass
	5200	5233.3	5200.72	-37.21	0.190	2.50	Pass
	5233.3	5240	5233.94	-37.37	0.183	2.97	Pass
	5240	5249	5240.27	-38.52	0.141	16.75	Pass
	5249	5250	5249.06	-36.88	0.205	114.82	Pass
	5350	5400	5354.08	-37.76	0.167	2.50	Pass
	5400	26000	5853.7	-30.85	0.822	2.50	Pass
High	30	5200	5044.51	-27.42	1.811	2.50	Pass
	5200	5233.3	5216.37	-28.08	1.556	2.50	Pass
	5233.3	5240	5233.71	-28.67	1.358	2.79	Pass
	5240	5249	5240.20	-28.78	1.324	16.51	Pass
	5249	5250	5249.08	-27.88	1.629	120.23	Pass
	5350	5400	5377.03	-27.91	1.618	2.50	Pass
	5400	26000	5911.4	-30.37	0.918	2.50	Pass

W53, Chain 0, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5200	4463.4	-42.70	0.054	2.50	Pass
	5200	5233.3	5217.77	-27.85	1.641	2.50	Pass
	5233.3	5240	5233.65	-28.76	1.330	2.74	Pass
	5240	5249	5240.22	-27.16	1.923	16.58	Pass
	5249	5250	5249.94	-7.58	174.582	870.96	Pass
	5350	5400	5390.07	-28.33	1.469	2.50	Pass
	5400	26000	6989.8	-40.62	0.087	2.50	Pass
Middle	30	5200	5153.34	-42.52	0.056	2.50	Pass
	5200	5233.3	5221.60	-27.88	1.629	2.50	Pass
	5233.3	5240	5234.39	-27.71	1.694	3.36	Pass
	5240	5249	5240.08	-27.38	1.828	16.11	Pass
	5249	5250	5249.01	-29.65	1.084	102.33	Pass
	5350	5400	5364.62	-28.43	1.435	2.50	Pass
	5400	26000	6775.6	-41.10	0.078	2.50	Pass
High	30	5200	5153.08	-42.47	0.057	2.50	Pass
	5200	5233.3	5208.44	-27.85	1.641	2.50	Pass
	5233.3	5240	5233.56	-28.82	1.312	2.67	Pass
	5240	5249	5240.09	-28.86	1.300	16.14	Pass
	5249	5250	5249.03	-29.49	1.125	107.15	Pass
	5350	5400	5382.18	-27.97	1.596	2.50	Pass
	5400	26000	6950.7	-40.06	0.099	2.50	Pass

W53, Chain 0, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5200	4408.6	-41.90	0.065	2.50	Pass
	5200	5221.6	5202.15	-27.44	1.803	2.50	Pass
	5221.6	5230	5221.74	-29.15	1.216	2.53	Pass
	5230	5249	5248.99	-20.64	8.630	49.95	Pass
	5249	5250	5249.03	-19.78	10.520	53.58	Pass
	5350	5358.4	5354.72	-27.85	1.641	15	Pass
	5358.4	5400	5386.08	-28.35	1.462	2.50	Pass
	5400	26000	6936.2	-39.66	0.108	2.50	Pass
High	30	5200	4364.14	-42.25	0.060	2.50	Pass
	5200	5221.6	5219.75	-26.89	2.046	2.50	Pass
	5221.6	5230	5222.28	-28.75	1.334	2.73	Pass
	5230	5249	5231.32	-28.94	1.276	9.01	Pass
	5249	5250	5249.05	-28.72	1.343	56.10	Pass
	5350	5358.4	5355.04	-28.27	1.489	15	Pass
	5358.4	5400	5398.77	-27.77	1.671	2.50	Pass
	5400	26000	5942.3	-40.34	0.092	2.50	Pass

W53, Chain 0, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Middle	30	5200	5188.24	-40.93	0.081	2.50	Pass
	5200	5203.3	5201.62	-27.70	1.698	2.50	Pass
	5203.3	5210	5203.48	-28.45	1.429	2.53	Pass
	5210	5249	5248.82	-20.28	9.376	24.79	Pass
	5249	5250	5249.02	-18.15	15.311	26.18	Pass
	5350	5376.8	5353.20	-27.77	1.671	15	Pass
	5376.8	5400	5396.93	-28.29	1.483	2.50	Pass
	5400	26000	5416	-40.61	0.087	2.50	Pass

W53, Chain 1, 802.11a

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5200	4360.78	-27.68	1.706	2.50	Pass
	5200	5233.3	5208.54	-28.28	1.486	2.50	Pass
	5233.3	5240	5233.86	-28.37	1.455	2.91	Pass
	5240	5249	5240.61	-24.56	3.499	17.96	Pass
	5249	5250	5249.97	-9.02	125.314	933.25	Pass
	5350	5400	5399.82	-27.60	1.738	2.50	Pass
	5400	26000	5906.2	-31.24	0.752	2.50	Pass
Middle	30	5200	4964.38	-27.88	1.629	2.50	Pass
	5200	5233.3	5226.39	-27.60	1.738	2.50	Pass
	5233.3	5240	5233.69	-27.35	1.841	2.77	Pass
	5240	5249	5240.21	-28.55	1.396	16.54	Pass
	5249	5250	5249.02	-29.20	1.202	104.71	Pass
	5350	5400	5398.92	-28.07	1.560	2.50	Pass
	5400	26000	5910.4	-30.72	0.847	2.50	Pass
High	30	5200	5111.72	-28.29	1.483	2.50	Pass
	5200	5233.3	5218.27	-27.66	1.714	2.50	Pass
	5233.3	5240	5233.54	-28.70	1.349	2.66	Pass
	5240	5249	5240.09	-28.51	1.409	16.14	Pass
	5249	5250	5249.19	-27.45	1.799	154.88	Pass
	5350	5400	5364.28	-27.89	1.626	2.50	Pass
	5400	26000	6997	-30.22	0.951	2.50	Pass

W53, Chain 1, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5200	5130.85	-42.04	0.063	2.50	Pass
	5200	5233.3	5211.94	-27.71	1.694	2.50	Pass
	5233.3	5240	5233.42	-29.51	1.119	2.57	Pass
	5240	5249	5240.70	-27.05	1.972	18.29	Pass
	5249	5250	5249.99	-6.58	219.786	977.24	Pass
	5350	5400	5392.27	-28.20	1.514	2.50	Pass
	5400	26000	6680.8	-40.54	0.088	2.50	Pass
Middle	30	5200	5174.8	-42.50	0.056	2.50	Pass
	5200	5233.3	5208.31	-28.13	1.538	2.50	Pass
	5233.3	5240	5233.63	-29.20	1.202	2.73	Pass
	5240	5249	5240.31	-29.14	1.219	16.89	Pass
	5249	5250	5249.00	-28.63	1.371	100.00	Pass
	5350	5400	5371.53	-28.77	1.327	2.50	Pass
	5400	26000	6156.5	-40.96	0.080	2.50	Pass
High	30	5200	904.63	-40.93	0.081	2.50	Pass
	5200	5233.3	5202.15	-27.95	1.603	2.50	Pass
	5233.3	5240	5233.99	-28.22	1.507	3.01	Pass
	5240	5249	5240.07	-28.60	1.380	16.08	Pass
	5249	5250	5249.01	-28.98	1.265	102.33	Pass
	5350	5400	5369.72	-28.20	1.514	2.50	Pass
	5400	26000	5903.2	-40.26	0.094	2.50	Pass

W53, Chain 1, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5200	4692.95	-42.87	0.052	2.50	Pass
	5200	5221.6	5216.77	-27.60	1.738	2.50	Pass
	5221.6	5230	5222.15	-29.01	1.256	2.68	Pass
	5230	5249	5248.93	-21.15	7.674	49.66	Pass
	5249	5250	5249.08	-19.07	12.388	60.11	Pass
	5350	5358.4	5350.59	-28.34	1.466	15	Pass
	5358.4	5400	5388.62	-27.73	1.687	2.50	Pass
	5400	26000	25648.3	-40.82	0.083	2.50	Pass
High	30	5200	825.53	-42.08	0.062	2.50	Pass
	5200	5221.6	5205.61	-28.01	1.581	2.50	Pass
	5221.6	5230	5222.84	-27.71	1.694	2.95	Pass
	5230	5249	5230.05	-29.85	1.035	7.96	Pass
	5249	5250	5249.01	-28.91	1.285	51.16	Pass
	5350	5358.4	5352.25	-27.84	1.644	15	Pass
	5358.4	5400	5363.79	-27.79	1.663	2.50	Pass
	5400	26000	5860.9	-40.75	0.084	2.50	Pass

W53, Chain 1, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Middle	30	5200	5157.99	-41.64	0.069	2.50	Pass
	5200	5203.3	5202.05	-27.88	1.629	2.50	Pass
	5203.3	5210	5204.20	-27.83	1.648	2.65	Pass
	5210	5249	5248.94	-20.01	9.977	24.93	Pass
	5249	5250	5249.06	-17.40	18.197	28.70	Pass
	5350	5376.8	5355.29	-27.42	1.811	15	Pass
	5376.8	5400	5399.87	-27.27	1.875	2.50	Pass
	5400	26000	5619.9	-41.00	0.079	2.50	Pass

W53, Chain 0+Chain 1, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5200	/	-39.35	0.116	2.50	Pass
	5200	5233.3	5209.91	-27.72	1.690	2.50	Pass
	5233.3	5240	5233.36	-29.44	1.138	2.53	Pass
	5240	5249	5240.81	-26.62	2.178	18.71	Pass
	5249	5250	5249.99	-6.81	208.449	977.24	Pass
	5350	5400	5392.33	-27.63	1.726	2.50	Pass
	5400	26000	/	-37.57	0.175	2.50	Pass
Middle	30	5200	/	-39.50	0.112	2.50	Pass
	5200	5233.3	5207.38	-27.98	1.592	2.50	Pass
	5233.3	5240	5233.38	-28.55	1.396	2.54	Pass
	5240	5249	5240.32	-28.91	1.285	16.92	Pass
	5249	5250	5249.01	-29.18	1.208	102.33	Pass
	5350	5400	5380.77	-28.13	1.538	2.50	Pass
	5400	26000	/	-38.02	0.158	2.50	Pass
High	30	5200	/	-38.62	0.137	2.50	Pass
	5200	5233.3	5221.69	-28.30	1.479	2.50	Pass
	5233.3	5240	5233.39	-29.06	1.242	2.55	Pass
	5240	5249	5240.59	-28.67	1.358	17.88	Pass
	5249	5250	5249.09	-28.12	1.542	123.03	Pass
	5350	5400	5379.92	-27.84	1.644	2.50	Pass
	5400	26000	/	-37.15	0.193	2.50	Pass

W53, Chain 0+Chain 1, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5200	/	-39.35	0.116	2.50	Pass
	5200	5221.6	5212.06	-27.96	1.600	2.50	Pass
	5221.6	5230	5222.13	-28.54	1.400	2.67	Pass
	5230	5249	5231.23	-27.50	1.778	8.93	Pass
	5249	5250	5249.03	-19.76	10.568	53.58	Pass
	5350	5358.4	5356.10	-28.33	1.469	15	Pass
	5358.4	5400	5397.86	-28.60	1.380	2.50	Pass
	5400	26000	/	-37.19	0.191	2.50	Pass
High	30	5200	/	-39.15	0.122	2.50	Pass
	5200	5221.6	5218.00	-27.73	1.687	2.50	Pass
	5221.6	5230	5224.60	-27.48	1.786	3.76	Pass
	5230	5249	5230.35	-28.74	1.337	8.20	Pass
	5249	5250	5249.02	-29.30	1.175	52.36	Pass
	5350	5358.4	5353.88	-27.60	1.738	15	Pass
	5358.4	5400	5379.89	-28.52	1.406	2.50	Pass
	5400	26000	/	-37.53	0.177	2.50	Pass

W53, Chain 0+Chain 1, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Middle	30	5200	/	-38.26	0.149	2.50	Pass
	5200	5203.3	5200.50	-27.59	1.742	2.50	Pass
	5203.3	5210	5203.85	-28.17	1.524	2.59	Pass
	5210	5249	5248.94	-20.55	8.810	24.93	Pass
	5249	5250	5249.04	-18.24	14.997	27.41	Pass
	5350	5376.8	5373.68	-27.43	1.807	15	Pass
	5376.8	5400	5395.86	-27.95	1.603	2.50	Pass
	5400	26000	/	-37.79	0.166	2.50	Pass

W56, Chain 0, 802.11a

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (µW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (µW/MHz)		
Low	30	5300	4309.11	-27.67	1.710	2.50	Pass
	5300	5460	5459.92	-32.10	0.617	2.50	Pass
	5460	5470	5468.28	-23.82	4.150	12.50	Pass
	5745	5765	5746.34	-35.46	0.284	12.50	Pass
	5765	5900	5852.55	-35.89	0.258	2.50	Pass
	5900	26000	6159.8	-31.31	0.740	2.50	Pass
Middle	30	5300	826.96	-41.17	0.076	2.50	Pass
	5300	5460	5438.80	-36.98	0.200	2.50	Pass
	5460	5470	5464.61	-37.26	0.188	12.50	Pass
	5745	5765	5759.99	-34.85	0.327	12.50	Pass
	5765	5900	5832.84	-35.03	0.314	2.50	Pass
	5900	26000	11202.9	-33.25	0.473	2.50	Pass
High	30	5300	5197.89	-43.10	0.049	2.50	Pass
	5300	5460	5433.04	-38.48	0.142	2.50	Pass
	5460	5470	5467.51	-38.23	0.150	12.50	Pass
	5745	5765	5745.85	-19.99	10.023	12.50	Pass
	5765	5900	5767.63	-31.68	0.679	2.50	Pass
	5900	26000	11441.1	-36.64	0.217	2.50	Pass

W56, Chain 0, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	5285.9	-42.43	0.057	2.50	Pass
	5300	5460	5332.88	-28.28	1.486	2.50	Pass
	5460	5470	5468.94	-27.00	1.995	12.50	Pass
	5745	5765	5751.41	-27.09	1.954	12.50	Pass
	5765	5900	5891.29	-26.32	2.333	2.50	Pass
	5900	26000	10996.9	-37.79	0.166	2.50	Pass
Middle	30	5300	5284.59	-43.61	0.044	2.50	Pass
	5300	5460	5447.76	-29.01	1.256	2.50	Pass
	5460	5470	5466.49	-28.10	1.549	12.50	Pass
	5745	5765	5751.80	-26.95	2.018	12.50	Pass
	5765	5900	5857.00	-26.44	2.270	2.50	Pass
	5900	26000	11200.9	-36.16	0.242	2.50	Pass
High	30	5300	4957.32	-43.17	0.048	2.50	Pass
	5300	5460	5351.60	-28.40	1.445	2.50	Pass
	5460	5470	5461.68	-28.00	1.585	12.50	Pass
	5745	5765	5745.23	-19.31	11.722	12.50	Pass
	5765	5900	5791.39	-26.15	2.427	2.50	Pass
	5900	26000	11433	-38.47	0.142	2.50	Pass

W56, Chain 0, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	4473.27	-43.12	0.049	12.50	Pass
	5300	5460	5439.12	-28.56	1.393	12.50	Pass
	5460	5470	5468.87	-28.07	1.560	50	Pass
	5770	5900	5799.18	-26.61	2.183	12.50	Pass
	5900	26000	6901.5	-40.93	0.081	12.50	Pass
Middle	30	5300	4954.42	-43.40	0.046	12.50	Pass
	5300	5460	5438.64	-27.25	1.884	12.50	Pass
	5460	5470	5466.25	-28.40	1.445	50	Pass
	5770	5900	5808.93	-25.88	2.582	12.50	Pass
	5900	26000	5913.6	-40.76	0.084	12.50	Pass
High	30	5300	5003.43	-43.08	0.049	12.50	Pass
	5300	5460	5370.00	-28.47	1.422	12.50	Pass
	5460	5470	5460.24	-28.27	1.489	50	Pass
	5770	5900	5820.11	-26.38	2.301	12.50	Pass
	5900	26000	5920.6	-40.45	0.090	12.50	Pass

W56, Chain 0, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	4333.35	-43.18	0.048	12.50	Pass
	5300	5460	5452.72	-21.39	7.261	12.50	Pass
	5460	5469.5	5468.91	-19.88	10.280	50	Pass
	5469.5	5470	5469.55	-18.41	14.421	51.20	Pass
	5770	5900	5819.59	-26.68	2.148	12.50	Pass
	5900	26000	6963.8	-40.52	0.089	12.50	Pass
Middle	30	5300	4997.9	-42.92	0.051	12.50	Pass
	5300	5460	5443.44	-27.91	1.618	12.50	Pass
	5460	5469.5	5468.41	-26.82	2.080	50	Pass
	5469.5	5470	5469.78	-25.94	2.547	51.20	Pass
	5770	5900	5876.53	-26.23	2.382	12.50	Pass
	5900	26000	5939.7	-40.46	0.090	12.50	Pass
High	30	5300	5152.57	-43.54	0.044	12.50	Pass
	5300	5460	5302.96	-28.25	1.496	12.50	Pass
	5460	5469.5	5465.50	-28.35	1.462	50	Pass
	5469.5	5470	5469.93	-27.21	1.901	51.20	Pass
	5770	5900	5776.18	-19.83	10.399	12.50	Pass
	5900	26000	5930.7	-40.37	0.092	12.50	Pass

W56, Chain 1, 802.11a

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (µW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (µW/MHz)		
Low	30	5300	4351.8	-27.96	1.600	2.50	Pass
	5300	5460	5459.60	-27.65	1.718	2.50	Pass
	5460	5470	5468.83	-20.82	8.279	12.50	Pass
	5745	5765	5753.03	-26.39	2.296	12.50	Pass
	5765	5900	5879.55	-26.98	2.004	2.50	Pass
	5900	26000	11002.9	-30.75	0.841	2.50	Pass
Middle	30	5300	3245.1	-28.35	1.462	2.50	Pass
	5300	5460	5435.92	-28.50	1.413	2.50	Pass
	5460	5470	5468.81	-28.08	1.556	12.50	Pass
	5745	5765	5754.57	-26.48	2.249	12.50	Pass
	5765	5900	5869.83	-26.56	2.208	2.50	Pass
	5900	26000	6932.6	-31.54	0.701	2.50	Pass
High	30	5300	4141	-28.28	1.486	2.50	Pass
	5300	5460	5366.16	-28.05	1.567	2.50	Pass
	5460	5470	5462.80	-27.91	1.618	12.50	Pass
	5745	5765	5747.27	-20.30	9.333	12.50	Pass
	5765	5900	5847.55	-26.78	2.099	2.50	Pass
	5900	26000	11440.1	-31.50	0.708	2.50	Pass

W56, Chain 1, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	1766.6	-42.11	0.062	2.50	Pass
	5300	5460	5341.36	-27.87	1.633	2.50	Pass
	5460	5470	5467.27	-25.01	3.155	12.50	Pass
	5745	5765	5762.91	-26.06	2.477	12.50	Pass
	5765	5900	5837.16	-26.87	2.056	2.50	Pass
	5900	26000	10999.9	-36.18	0.241	2.50	Pass
Middle	30	5300	4965.75	-42.49	0.056	2.50	Pass
	5300	5460	5436.08	-28.75	1.334	2.50	Pass
	5460	5470	5469.13	-28.45	1.429	12.50	Pass
	5745	5765	5760.10	-26.84	2.070	12.50	Pass
	5765	5900	5780.05	-26.25	2.371	2.50	Pass
	5900	26000	11199.9	-37.85	0.164	2.50	Pass
High	30	5300	4444.02	-42.95	0.051	2.50	Pass
	5300	5460	5449.36	-28.74	1.337	2.50	Pass
	5460	5470	5466.95	-28.47	1.422	12.50	Pass
	5745	5765	5745.46	-19.61	10.940	12.50	Pass
	5765	5900	5847.82	-26.53	2.223	2.50	Pass
	5900	26000	11436	-36.06	0.248	2.50	Pass

W56, Chain 1, 802.11n40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	5211.6	-42.45	0.057	12.50	Pass
	5300	5460	5408.88	-27.79	1.663	12.50	Pass
	5460	5470	5468.26	-27.73	1.687	50	Pass
	5770	5900	5897.99	-26.69	2.143	12.50	Pass
	5900	26000	11016	-41.03	0.079	12.50	Pass
Middle	30	5300	826.69	-42.93	0.051	12.50	Pass
	5300	5460	5414.32	-28.42	1.439	12.50	Pass
	5460	5470	5469.41	-28.33	1.469	50	Pass
	5770	5900	5799.31	-26.32	2.333	12.50	Pass
	5900	26000	6955.8	-40.95	0.080	12.50	Pass
High	30	5300	5247.7	-43.14	0.049	12.50	Pass
	5300	5460	5450.80	-28.56	1.393	12.50	Pass
	5460	5470	5467.36	-28.10	1.549	50	Pass
	5770	5900	5825.84	-26.54	2.218	12.50	Pass
	5900	26000	6876.4	-41.10	0.078	12.50	Pass

W56, Chain 1, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	5230.3	-42.60	0.055	12.50	Pass
	5300	5460	5458.00	-21.53	7.031	12.50	Pass
	5460	5469.5	5469.10	-19.88	10.280	50	Pass
	5469.5	5470	5469.51	-19.37	11.561	51.20	Pass
	5770	5900	5851.57	-25.94	2.547	12.50	Pass
	5900	26000	11046.1	-38.65	0.136	12.50	Pass
Middle	30	5300	1767.65	-37.98	0.159	12.50	Pass
	5300	5460	5427.12	-27.55	1.758	12.50	Pass
	5460	5469.5	5466.50	-26.30	2.344	50	Pass
	5469.5	5470	5469.92	-27.07	1.963	51.20	Pass
	5770	5900	5829.86	-26.17	2.415	12.50	Pass
	5900	26000	11227	-39.17	0.121	12.50	Pass
High	30	5300	5246.9	-42.65	0.054	12.50	Pass
	5300	5460	5396.40	-28.62	1.374	12.50	Pass
	5460	5469.5	5465.58	-27.55	1.758	50	Pass
	5469.5	5470	5469.92	-27.26	1.879	51.20	Pass
	5770	5900	5772.15	-23.50	4.467	12.50	Pass
	5900	26000	11378.8	-40.66	0.086	12.50	Pass

W56, Chain 0+Chain 1, 802.11n20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	/	-39.26	0.119	2.50	Pass
	5300	5460	5446.96	-28.86	1.300	2.50	Pass
	5460	5470	5469.30	-24.74	3.357	12.50	Pass
	5745	5765	5748.11	-26.29	2.350	12.50	Pass
	5765	5900	5829.87	-26.57	2.203	2.50	Pass
	5900	26000	/	-33.90	0.407	2.50	Pass
Middle	30	5300	/	-40	0.100	2.50	Pass
	5300	5460	5458.96	-28.74	1.337	2.50	Pass
	5460	5470	5469.34	-27.55	1.758	12.50	Pass
	5745	5765	5764.47	-26.63	2.173	12.50	Pass
	5765	5900	5844.31	-26.25	2.371	2.50	Pass
	5900	26000	/	-33.91	0.406	2.50	Pass
High	30	5300	/	-40.05	0.099	2.50	Pass
	5300	5460	5411.44	-28.44	1.432	2.50	Pass
	5460	5470	5467.34	-28.19	1.517	12.50	Pass
	5745	5765	5745.03	-20.58	8.750	12.50	Pass
	5765	5900	5813.53	-26.13	2.438	2.50	Pass
	5900	26000	/	-34.09	0.390	2.50	Pass

W56, Chain 0+Chain 1, 802.11n40

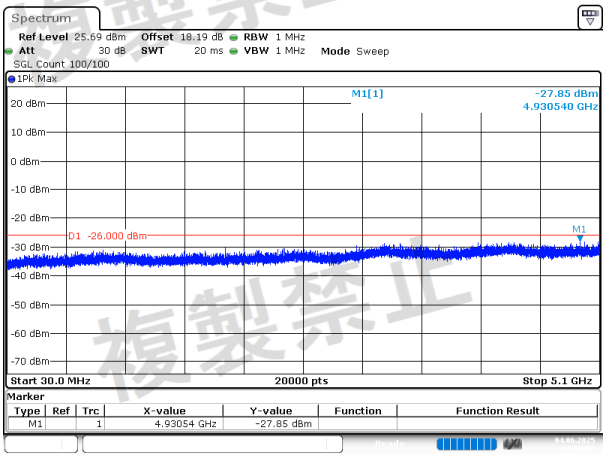
Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	/	-39.76	0.106	12.50	Pass
	5300	5460	5434.32	-28.61	1.377	12.50	Pass
	5460	5470	5469.64	-28.08	1.556	50	Pass
	5770	5900	5836.75	-26.72	2.128	12.50	Pass
	5900	26000	/	-37.97	0.160	12.50	Pass
Middle	30	5300	/	-40.15	0.097	12.50	Pass
	5300	5460	5318.32	-28.75	1.334	12.50	Pass
	5460	5470	5464.37	-28.21	1.510	50	Pass
	5770	5900	5870.69	-26.65	2.163	12.50	Pass
	5900	26000	/	-37.84	0.164	12.50	Pass
High	30	5300	/	-40.10	0.098	12.50	Pass
	5300	5460	5429.04	-28.74	1.337	12.50	Pass
	5460	5470	5465.16	-28.38	1.452	50	Pass
	5770	5900	5840.78	-26.86	2.061	12.50	Pass
	5900	26000	/	-37.75	0.168	12.50	Pass

W56, Chain 0+Chain 1, 802.11ac80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Low	30	5300	/	-39.87	0.103	12.50	Pass
	5300	5460	5452.40	-22.20	6.026	12.50	Pass
	5460	5469.5	5468.88	-19.67	10.789	50	Pass
	5469.5	5470	5469.54	-19.49	11.246	51.20	Pass
	5770	5900	5854.69	-26.47	2.254	12.50	Pass
	5900	26000	/	-36.47	0.225	12.50	Pass
Middle	30	5300	/	-36.77	0.210	12.50	Pass
	5300	5460	5458.80	-28.95	1.274	12.50	Pass
	5460	5469.5	5466.00	-28.57	1.390	50	Pass
	5469.5	5470	5469.90	-26.85	2.065	51.20	Pass
	5770	5900	5863.67	-26.09	2.460	12.50	Pass
	5900	26000	/	-36.76	0.211	12.50	Pass
High	30	5300	/	-40.06	0.099	12.50	Pass
	5300	5460	5313.20	-28.92	1.282	12.50	Pass
	5460	5469.5	5463.24	-28.27	1.489	50	Pass
	5469.5	5470	5469.88	-26.94	2.023	51.20	Pass
	5770	5900	5772.41	-22.32	5.861	12.50	Pass
	5900	26000	/	-37.50	0.178	12.50	Pass

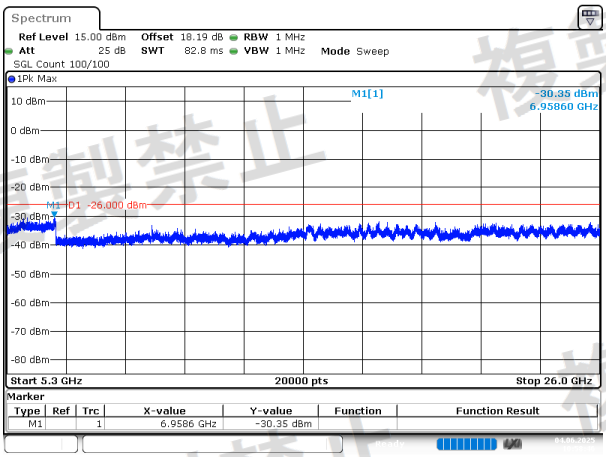
W52, Chain 0, Test Condition: NV

802.11a, Low Channel(30MHz~5.1GHz)



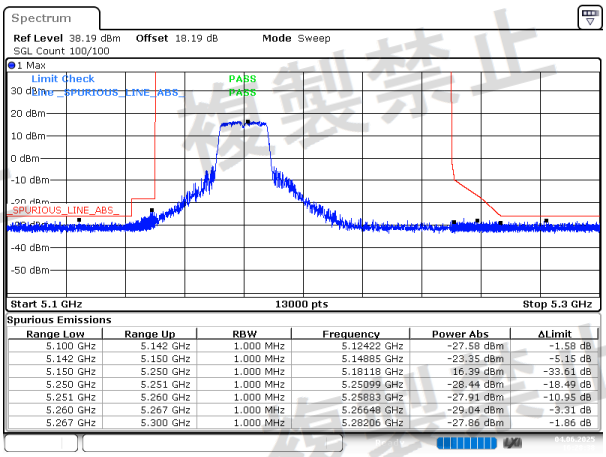
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 10:58:06

802.11a, Low Channel(5.3GHz~26GHz)



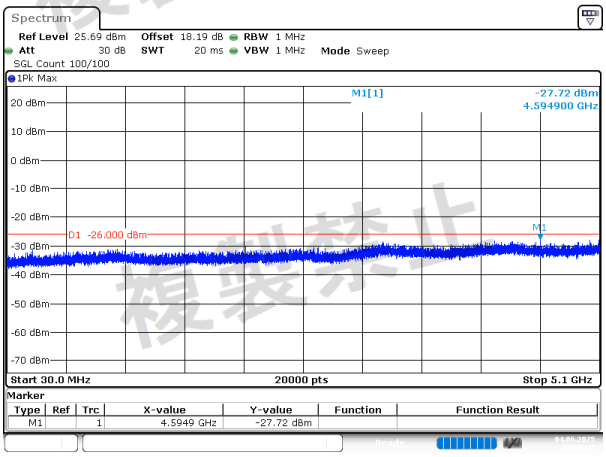
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 10:58:46

802.11a, Low Channel(5.1GHz~5.3GHz)



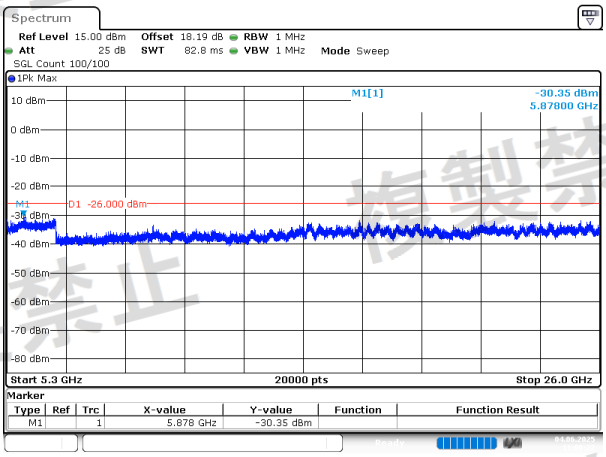
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:28:39

802.11a, Middle Channel(30MHz~5.1GHz)



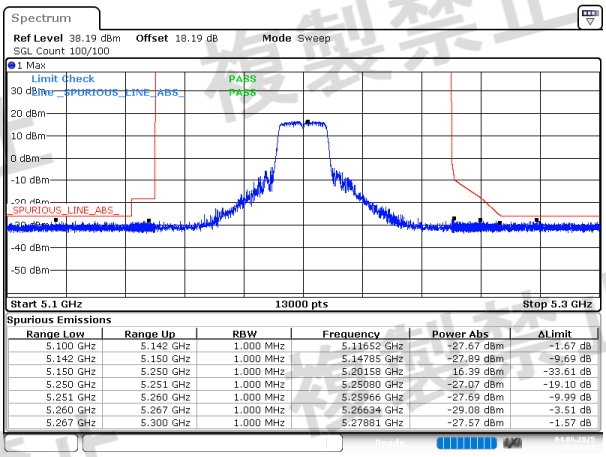
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 10:59:41

802.11a, Middle Channel(5.3GHz~26GHz)



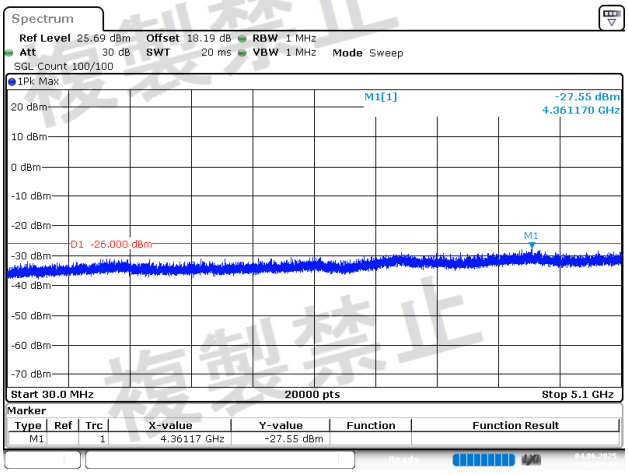
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:00:22

802.11a, Middle Channel(5.1GHz~5.3GHz)



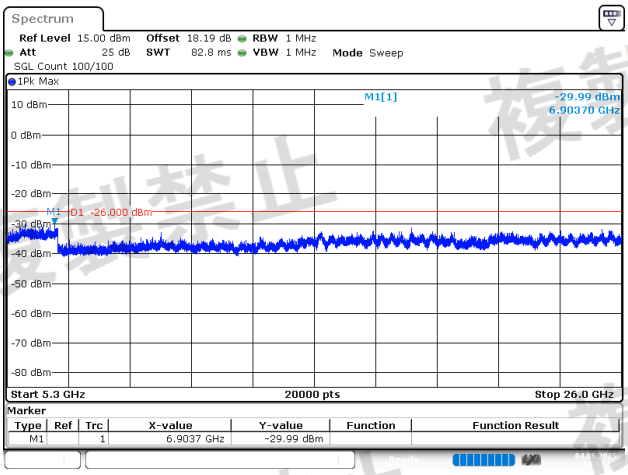
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:31:35

802.11a, High Channel(30MHz~5.1GHz)



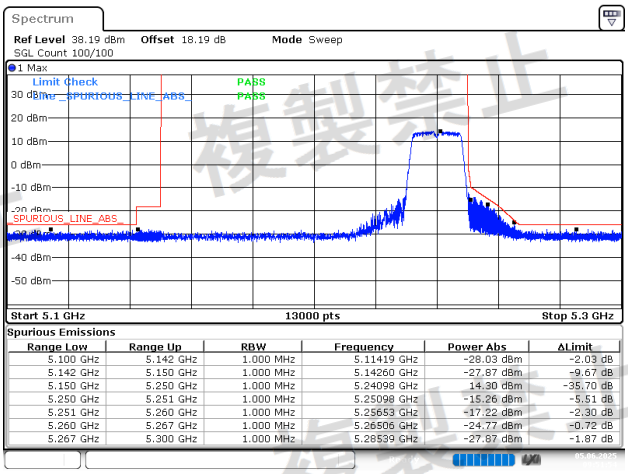
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:01:14

802.11a, High Channel(5.3GHz~26GHz)



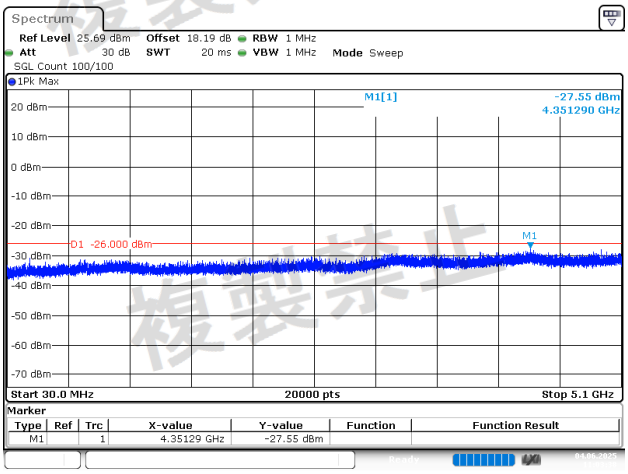
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:01:53

802.11a, High Channel(5.1GHz~5.3GHz)



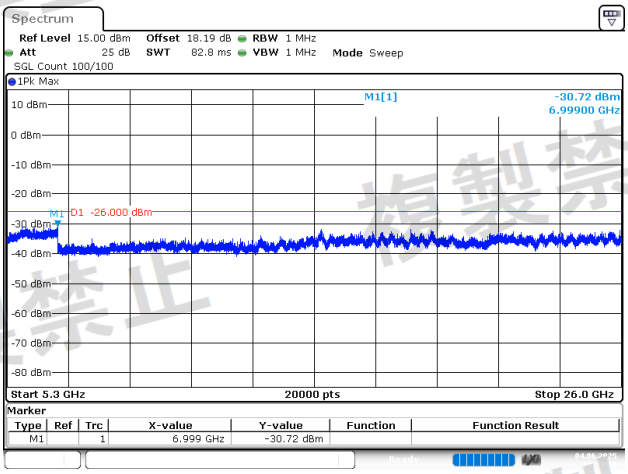
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:51:54

802.11n20, Low Channel(30MHz~5.1GHz)



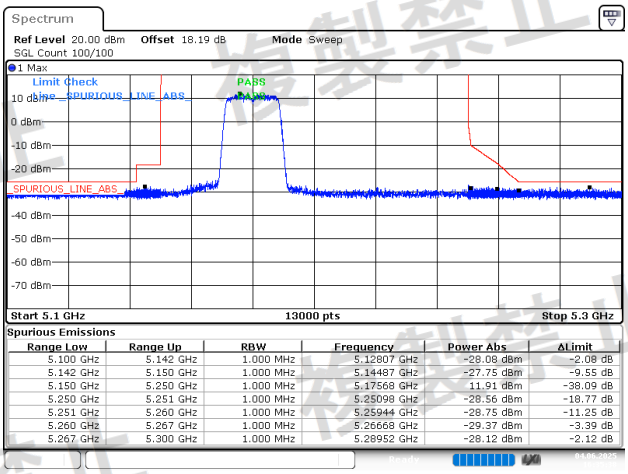
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:03:38

802.11n20, Low Channel(5.3GHz~26GHz)



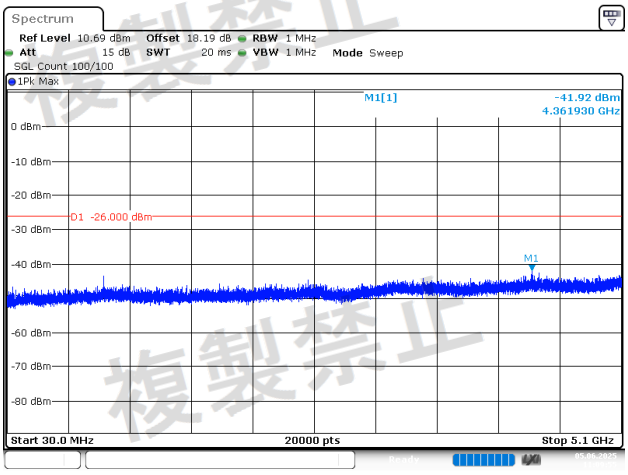
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:04:18

802.11n20, Low Channel(5.1GHz~5.3GHz)



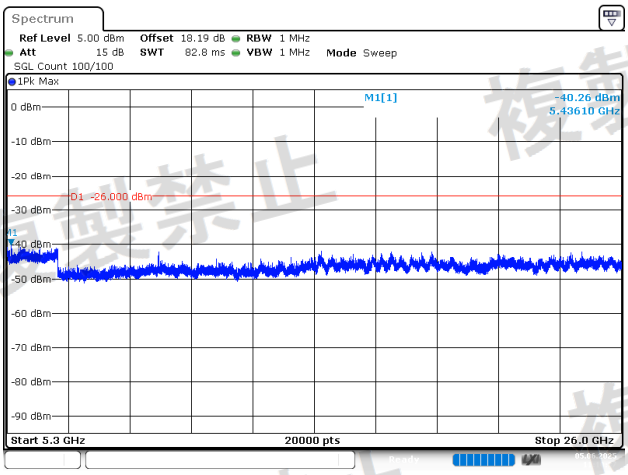
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:35:39

802.11n20, Middle Channel(30MHz~5.1GHz)



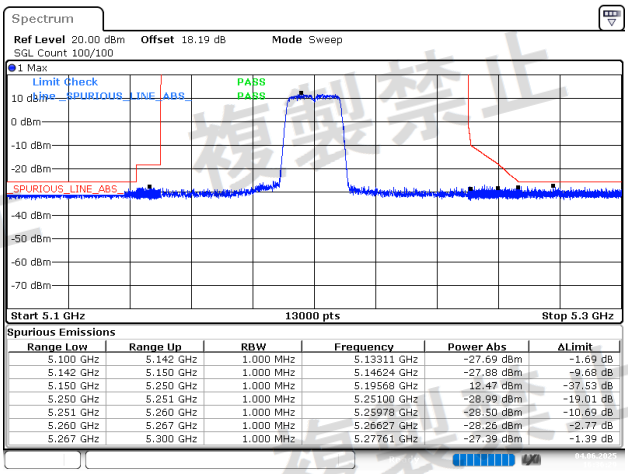
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:09:55

802.11n20, Middle Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:10:38

802.11n20, Middle Channel(5.1GHz~5.3GHz)

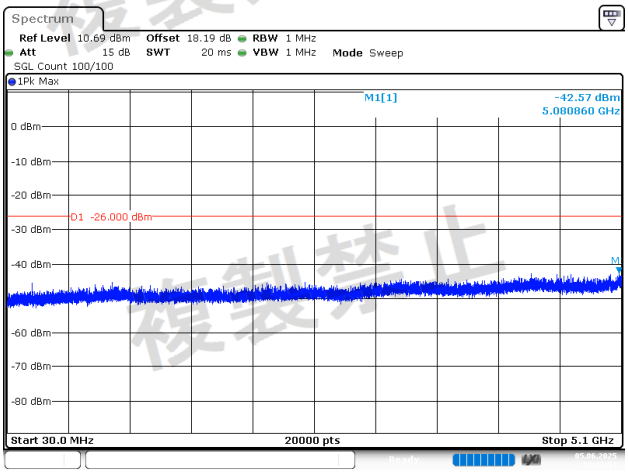


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.13311 GHz	-27.69 dBm	-1.69 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14624 GHz	-27.88 dBm	-9.68 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.19568 GHz	12.47 dBm	-37.53 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25100 GHz	-28.99 dBm	-19.01 dB
5.251 GHz	5.260 GHz	1.000 MHz	5.25978 GHz	-28.50 dBm	-10.69 dB
5.260 GHz	5.267 GHz	1.000 MHz	5.26627 GHz	-28.26 dBm	-2.77 dB
5.267 GHz	5.300 GHz	1.000 MHz	5.27761 GHz	-27.39 dBm	-1.39 dB

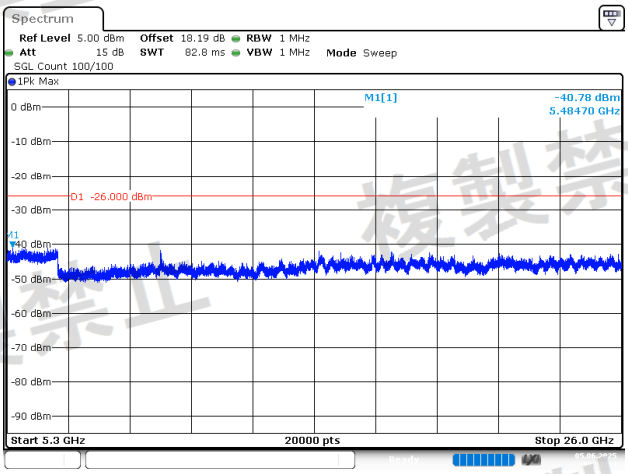
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:36:29

802.11n20, High Channel(30MHz~5.1GHz)



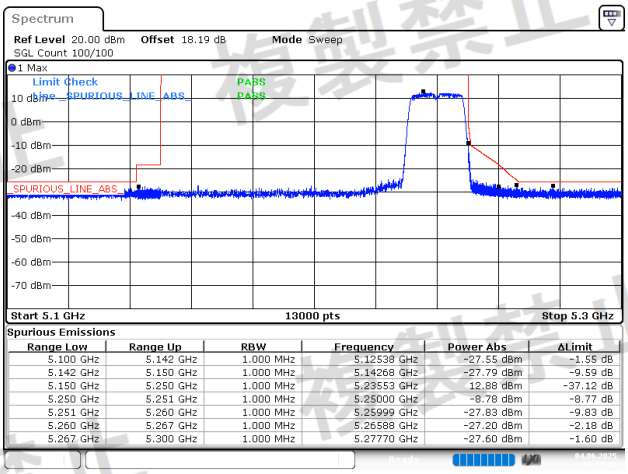
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:11:51

802.11n20, High Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:12:34

802.11n20, High Channel(5.1GHz~5.3GHz)

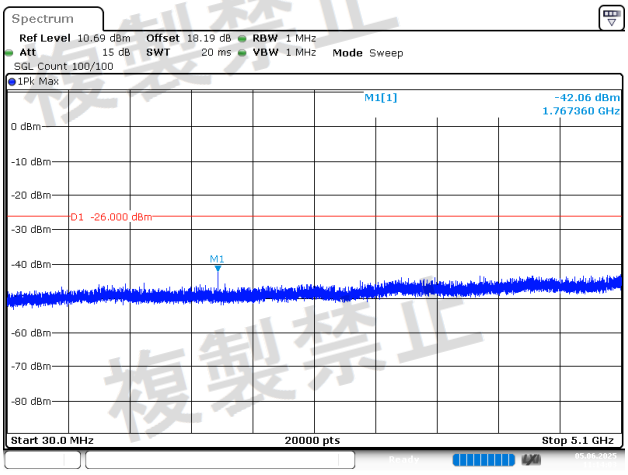


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.12538 GHz	-27.55 dBm	-1.55 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14268 GHz	-27.79 dBm	-9.59 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.23553 GHz	12.88 dBm	-37.12 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25000 GHz	-8.78 dBm	-8.77 dB
5.251 GHz	5.260 GHz	1.000 MHz	5.25999 GHz	-27.83 dBm	-9.83 dB
5.260 GHz	5.267 GHz	1.000 MHz	5.26588 GHz	-27.20 dBm	-2.18 dB
5.267 GHz	5.300 GHz	1.000 MHz	5.27770 GHz	-27.60 dBm	-1.60 dB

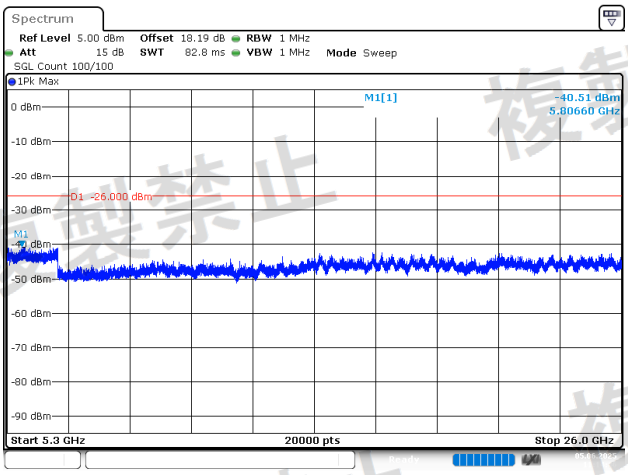
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:37:26

802.11n40, Low Channel(30MHz~5.1GHz)



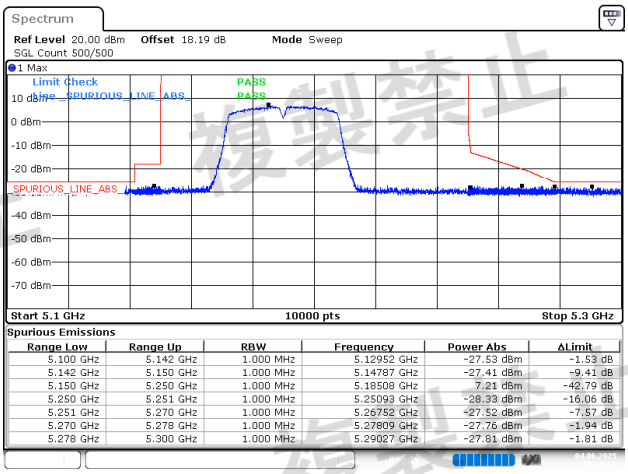
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:14:04

802.11n40, Low Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:14:46

802.11n40, Low Channel(5.1GHz~5.3GHz)

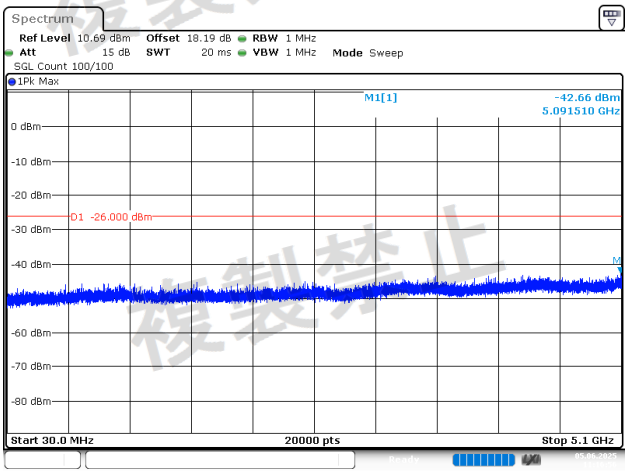


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.12952 GHz	-27.53 dBm	-1.53 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14787 GHz	-27.41 dBm	-9.41 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.18508 GHz	7.21 dBm	-42.79 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25093 GHz	-28.33 dBm	-16.06 dB
5.251 GHz	5.270 GHz	1.000 MHz	5.26752 GHz	-27.52 dBm	-7.57 dB
5.270 GHz	5.278 GHz	1.000 MHz	5.27809 GHz	-27.76 dBm	-1.94 dB
5.278 GHz	5.300 GHz	1.000 MHz	5.29027 GHz	-27.81 dBm	-1.81 dB

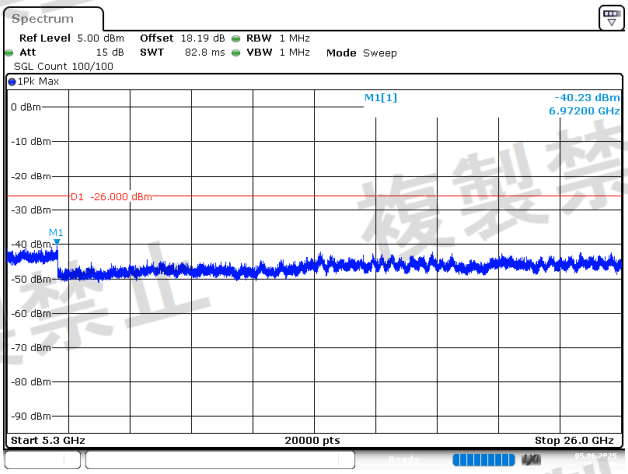
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:39:57

802.11n40, High Channel(30MHz~5.1GHz)



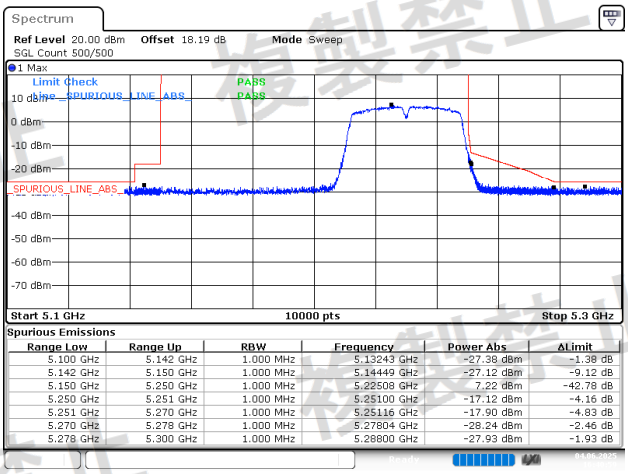
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:16:56

802.11n40, High Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:17:39

802.11n40, High Channel(5.1GHz~5.3GHz)

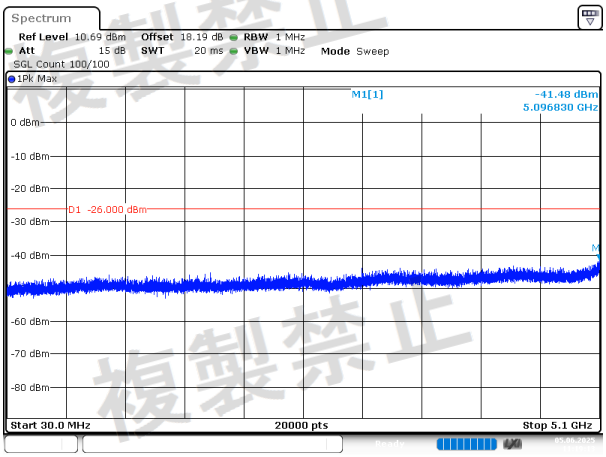


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.13243 GHz	-27.38 dBm	-1.38 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14449 GHz	-27.12 dBm	-9.12 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.22508 GHz	7.22 dBm	-42.78 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25100 GHz	-17.12 dBm	-4.16 dB
5.251 GHz	5.270 GHz	1.000 MHz	5.25116 GHz	-17.90 dBm	-4.83 dB
5.270 GHz	5.278 GHz	1.000 MHz	5.27804 GHz	-28.24 dBm	-2.46 dB
5.278 GHz	5.300 GHz	1.000 MHz	5.28800 GHz	-27.93 dBm	-1.93 dB

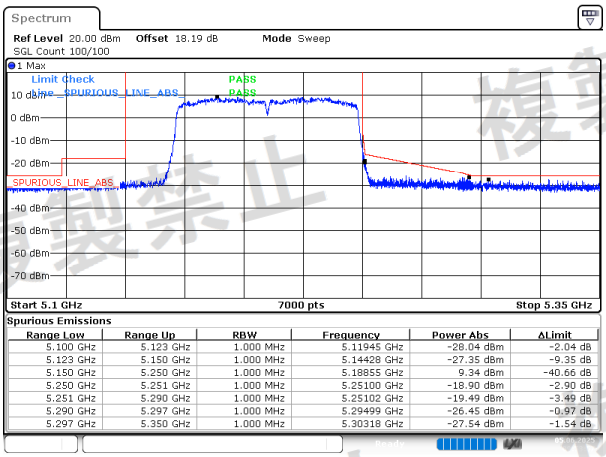
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:40:59

802.11ac80, Middle Channel(30MHz~5.1GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:19:13

802.11ac80, Middle Channel(5.1GHz~5.3GHz)



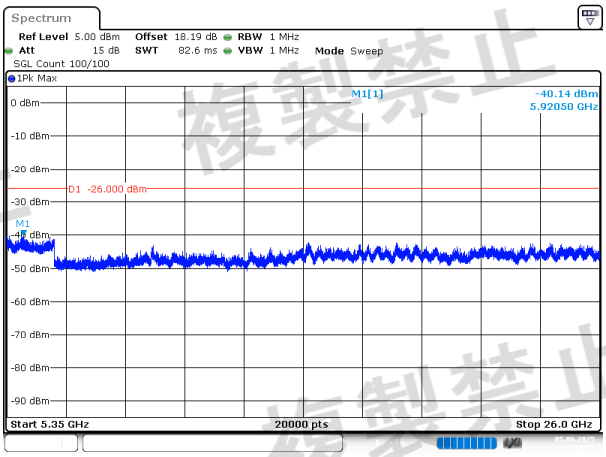
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.123 GHz	1.000 MHz	5.11945 GHz	-28.04 dBm	-2.04 dB
5.123 GHz	5.150 GHz	1.000 MHz	5.14428 GHz	-27.35 dBm	-9.35 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.18855 GHz	9.34 dBm	-40.66 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25100 GHz	-18.90 dBm	-2.90 dB
5.251 GHz	5.290 GHz	1.000 MHz	5.25102 GHz	-19.49 dBm	-3.49 dB
5.290 GHz	5.297 GHz	1.000 MHz	5.29499 GHz	-26.45 dBm	-0.97 dB
5.297 GHz	5.350 GHz	1.000 MHz	5.30318 GHz	-27.54 dBm	-1.54 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:53:58

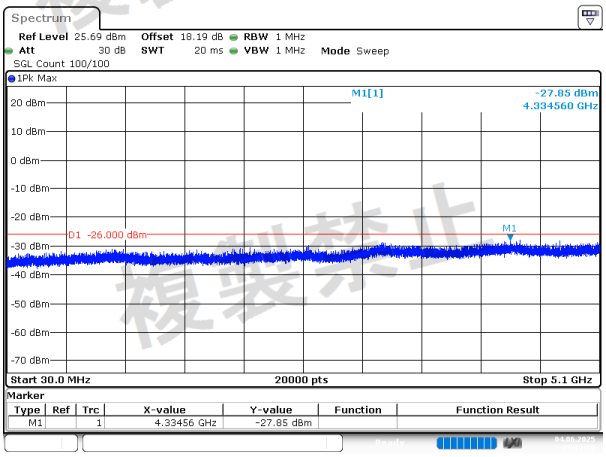
W52, Chain 1, Test Condition: NV

802.11ac80, Middle Channel(5.35GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:19:55

802.11a, Low Channel(30MHz~5.1GHz)

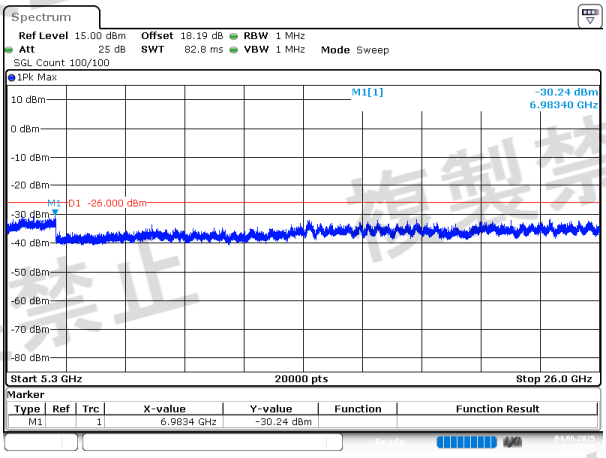


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	4.33456 GHz	-27.85 dBm		

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:10:56

802.11a, Low Channel(5.3GHz~26GHz)

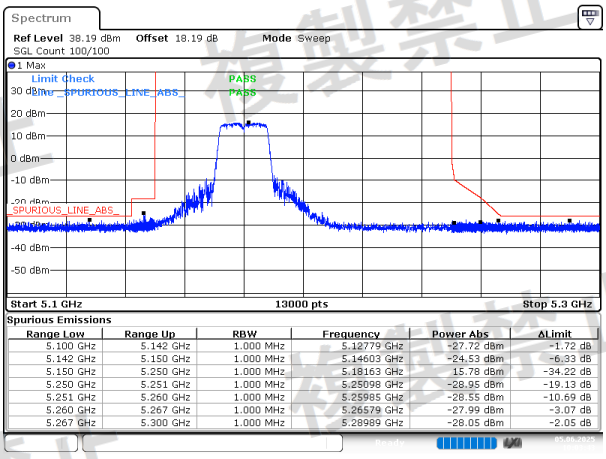


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	6.9834 GHz	-30.24 dBm		

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:11:36

802.11a, Low Channel(5.1GHz~5.3GHz)

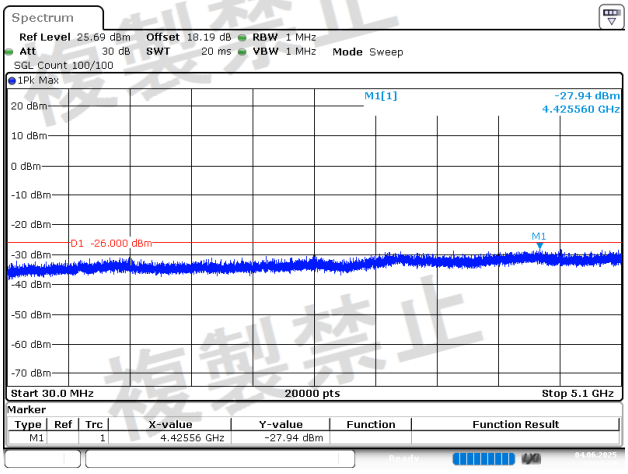


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.12779 GHz	-27.72 dBm	-1.72 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14603 GHz	-24.53 dBm	-6.33 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.18163 GHz	15.78 dBm	-34.22 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25098 GHz	-28.95 dBm	-19.13 dB
5.251 GHz	5.260 GHz	1.000 MHz	5.25985 GHz	-28.55 dBm	-10.69 dB
5.260 GHz	5.267 GHz	1.000 MHz	5.26579 GHz	-27.99 dBm	-3.07 dB
5.267 GHz	5.300 GHz	1.000 MHz	5.28989 GHz	-28.05 dBm	-2.05 dB

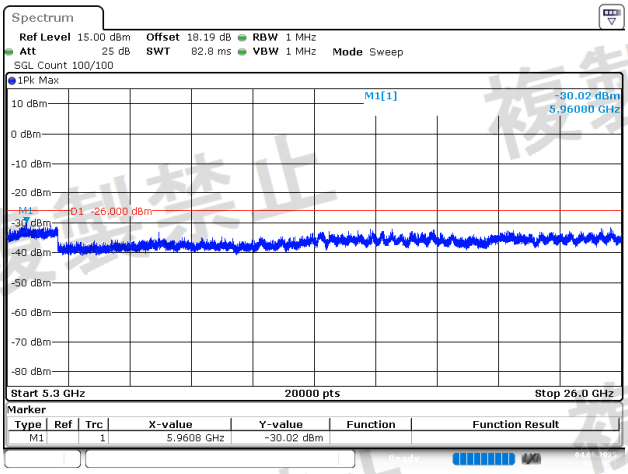
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:03:43

802.11a, Middle Channel(30MHz~5.1GHz)



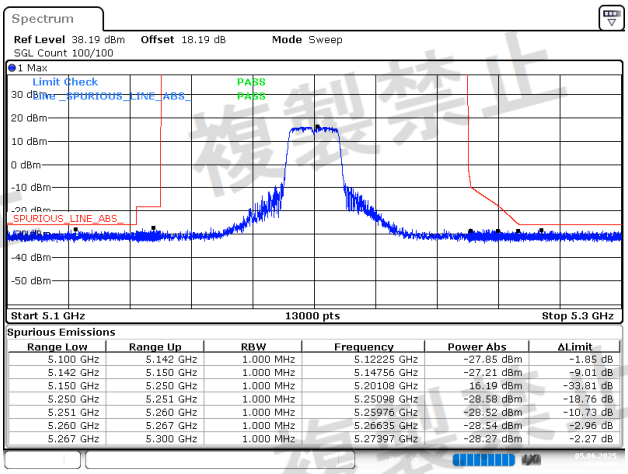
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:12:39

802.11a, Middle Channel(5.3GHz~26GHz)



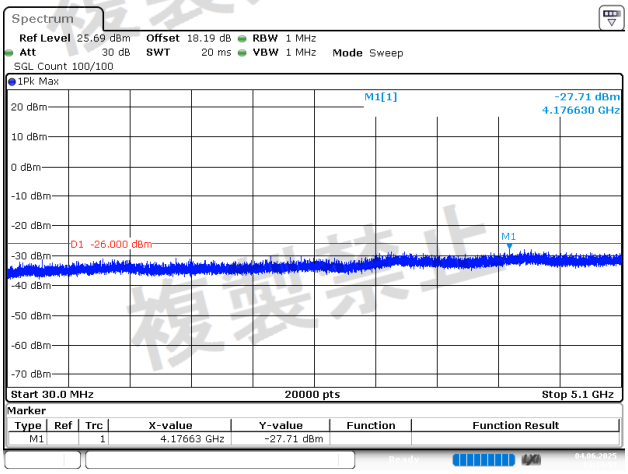
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:13:19

802.11a, Middle Channel(5.1GHz~5.3GHz)



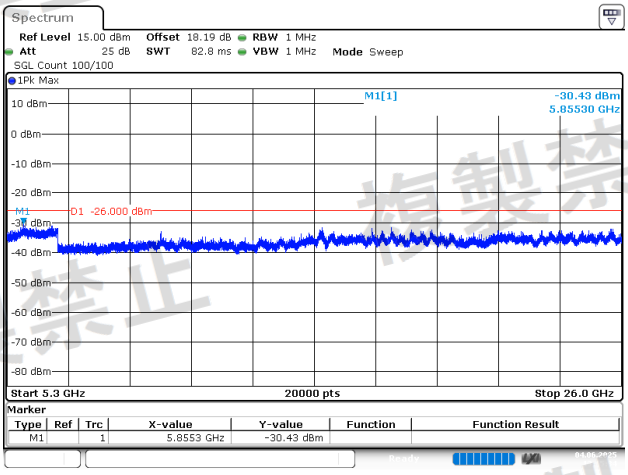
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:06:18

802.11a, High Channel(30MHz~5.1GHz)



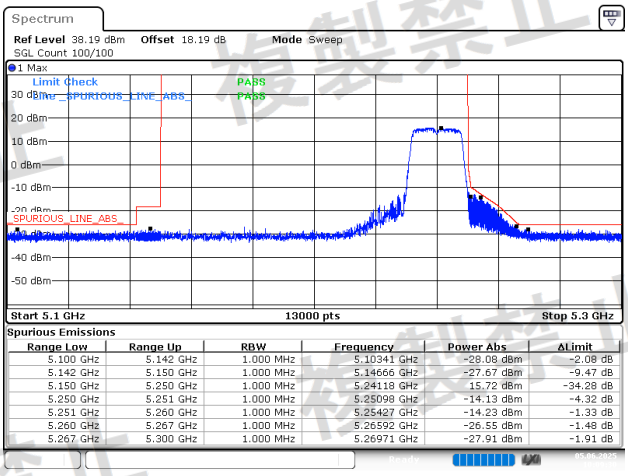
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:14:53

802.11a, High Channel(5.3GHz~26GHz)



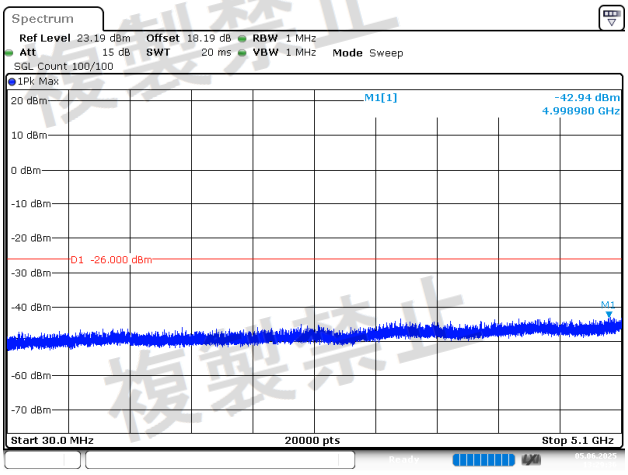
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:15:34

802.11a, High Channel(5.1GHz~5.3GHz)



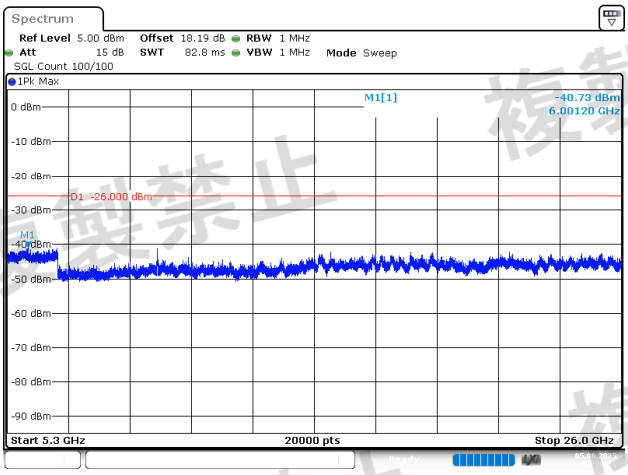
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:09:30

802.11n20, Low Channel(30MHz~5.1GHz)



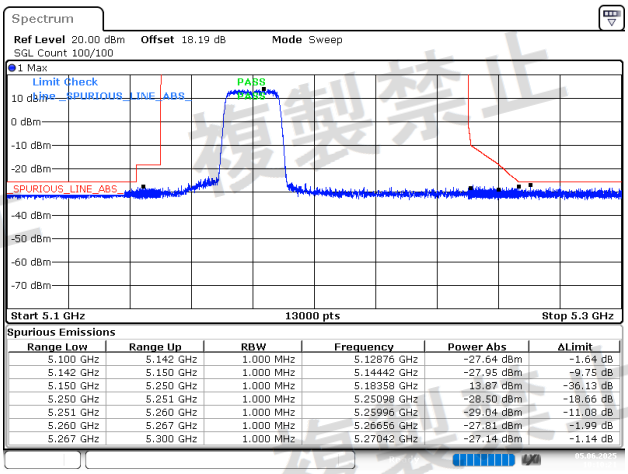
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:29:36

802.11n20, Low Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:30:16

802.11n20, Low Channel(5.1GHz~5.3GHz)

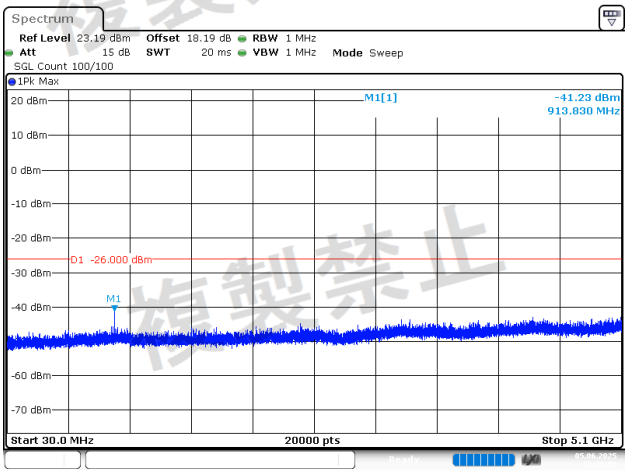


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.12876 GHz	-27.64 dBm	-1.64 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14442 GHz	-27.95 dBm	-9.75 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.18358 GHz	13.87 dBm	-36.13 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25098 GHz	-28.50 dBm	-18.66 dB
5.251 GHz	5.260 GHz	1.000 MHz	5.25996 GHz	-29.04 dBm	-11.08 dB
5.260 GHz	5.267 GHz	1.000 MHz	5.26656 GHz	-27.81 dBm	-1.99 dB
5.267 GHz	5.300 GHz	1.000 MHz	5.27042 GHz	-27.14 dBm	-1.14 dB

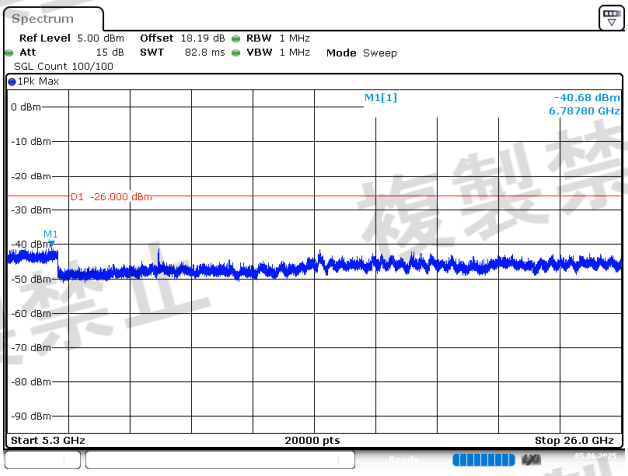
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:10:21

802.11n20, Middle Channel(30MHz~5.1GHz)



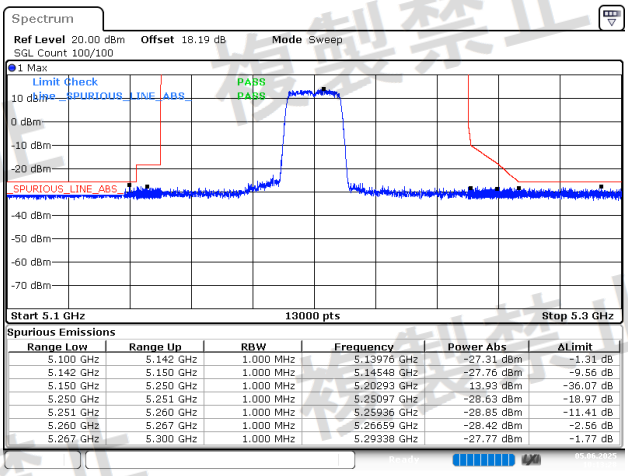
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:30:59

802.11n20, Middle Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:31:39

802.11n20, Middle Channel(5.1GHz~5.3GHz)

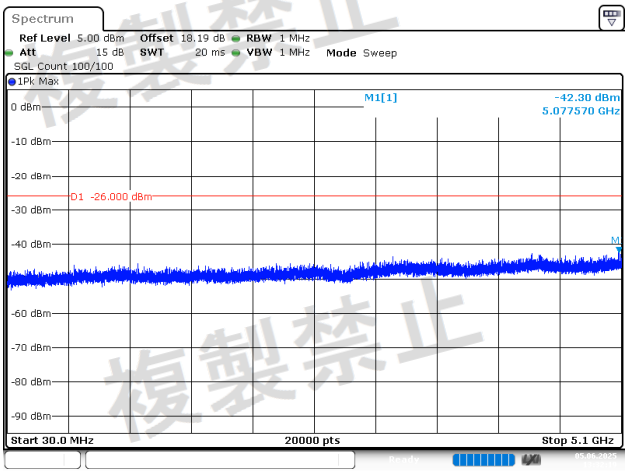


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.13976 GHz	-27.31 dBm	-1.31 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14548 GHz	-27.76 dBm	-9.56 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.20293 GHz	13.93 dBm	-36.07 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25097 GHz	-28.63 dBm	-18.97 dB
5.251 GHz	5.260 GHz	1.000 MHz	5.25936 GHz	-28.85 dBm	-11.41 dB
5.260 GHz	5.267 GHz	1.000 MHz	5.26659 GHz	-28.42 dBm	-2.56 dB
5.267 GHz	5.300 GHz	1.000 MHz	5.29338 GHz	-27.77 dBm	-1.77 dB

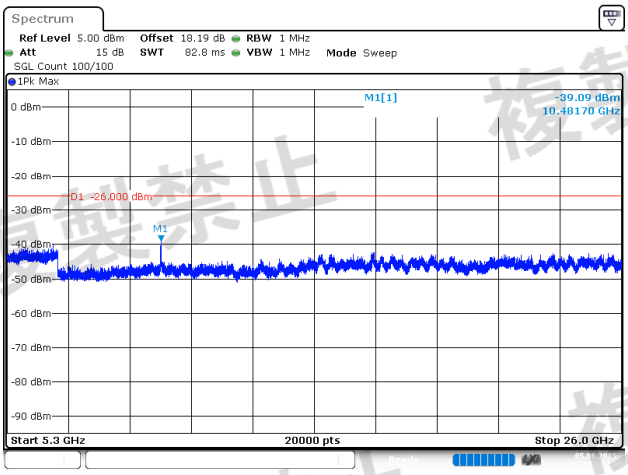
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:13:28

802.11n20, High Channel(30MHz~5.1GHz)



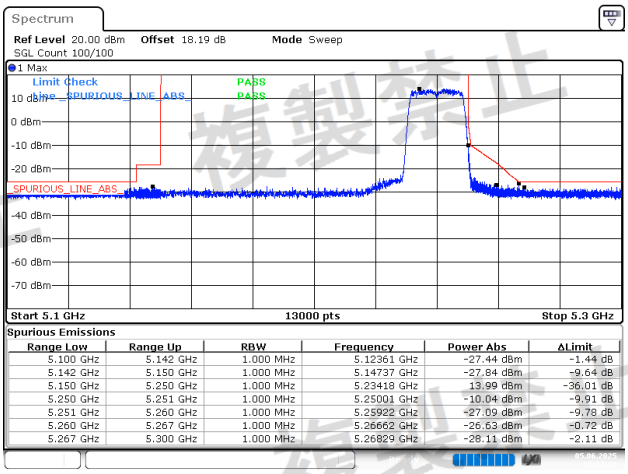
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:32:19

802.11n20, High Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:32:59

802.11n20, High Channel(5.1GHz~5.3GHz)

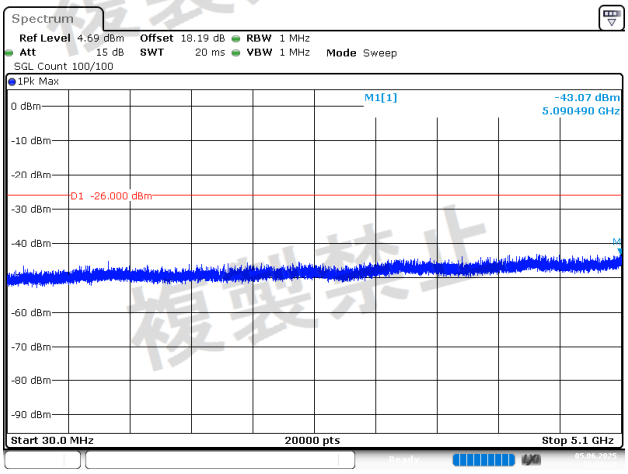


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.12361 GHz	-27.44 dBm	-1.44 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14737 GHz	-27.84 dBm	-9.64 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.23418 GHz	13.99 dBm	-36.01 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25001 GHz	-10.04 dBm	-9.91 dB
5.251 GHz	5.260 GHz	1.000 MHz	5.25922 GHz	-27.09 dBm	-9.78 dB
5.260 GHz	5.267 GHz	1.000 MHz	5.26662 GHz	-26.63 dBm	-0.72 dB
5.267 GHz	5.300 GHz	1.000 MHz	5.26829 GHz	-28.11 dBm	-2.11 dB

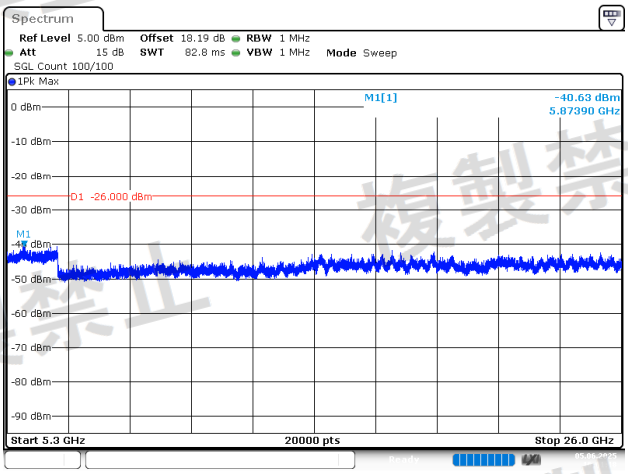
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:14:32

802.11n40, Low Channel(30MHz~5.1GHz)



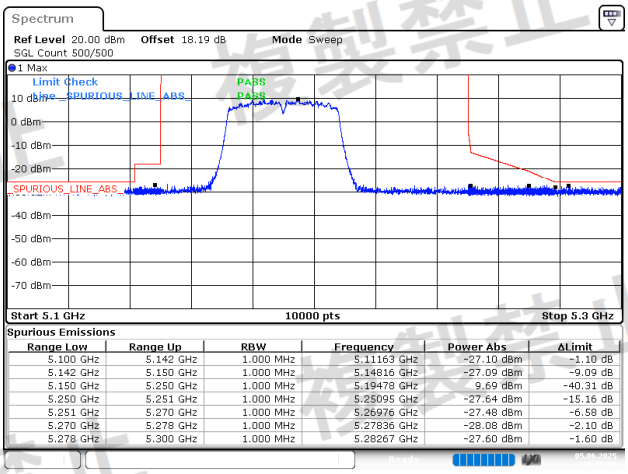
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 16:00:38

802.11n40, Low Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 16:01:18

802.11n40, Low Channel(5.1GHz~5.3GHz)

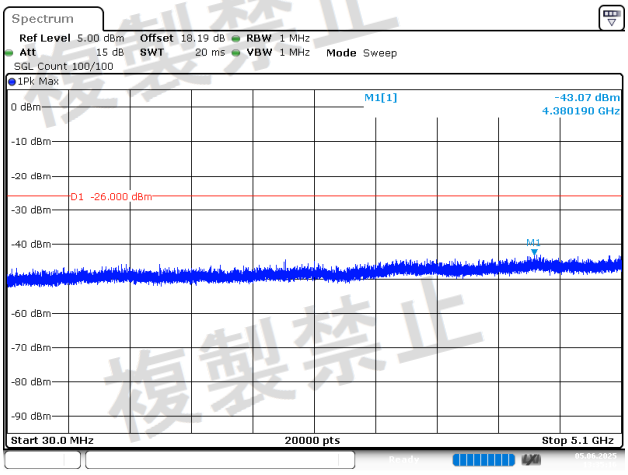


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.11163 GHz	-27.10 dBm	-1.10 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14816 GHz	-27.09 dBm	-9.09 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.19478 GHz	9.69 dBm	-40.31 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25095 GHz	-27.64 dBm	-15.16 dB
5.251 GHz	5.270 GHz	1.000 MHz	5.26976 GHz	-27.48 dBm	-6.58 dB
5.270 GHz	5.278 GHz	1.000 MHz	5.27836 GHz	-28.08 dBm	-2.10 dB
5.278 GHz	5.300 GHz	1.000 MHz	5.28267 GHz	-27.60 dBm	-1.60 dB

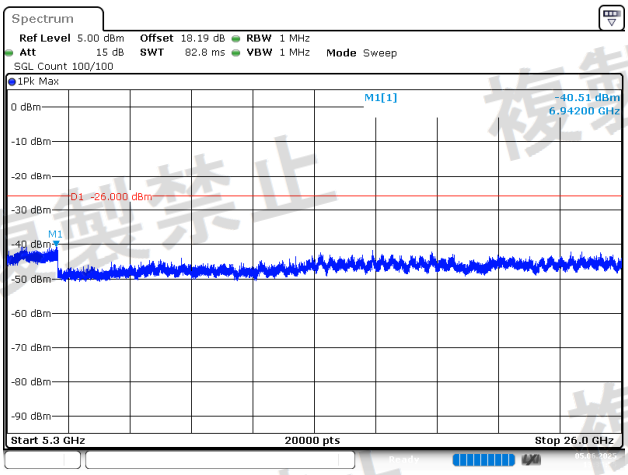
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:15:51

802.11n40, High Channel(30MHz~5.1GHz)



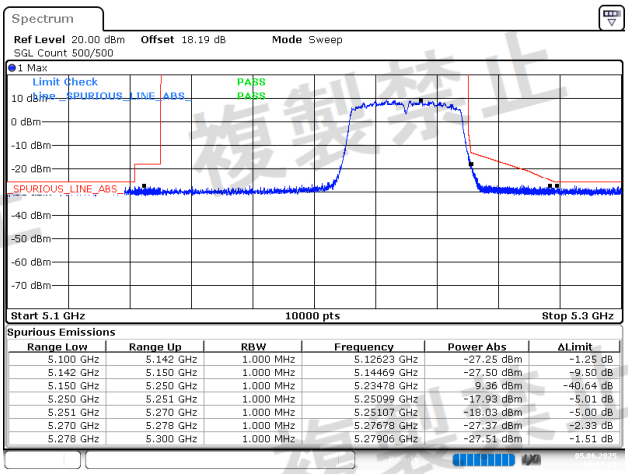
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:35:16

802.11n40, High Channel(5.3GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:35:55

802.11n40, High Channel(5.1GHz~5.3GHz)

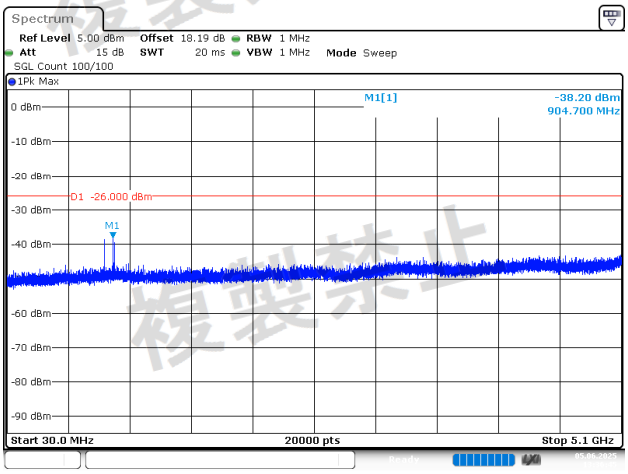


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.142 GHz	1.000 MHz	5.12623 GHz	-27.25 dBm	-1.25 dB
5.142 GHz	5.150 GHz	1.000 MHz	5.14469 GHz	-27.50 dBm	-9.50 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.23478 GHz	9.36 dBm	-40.64 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25099 GHz	-17.93 dBm	-5.01 dB
5.251 GHz	5.270 GHz	1.000 MHz	5.25107 GHz	-18.03 dBm	-5.00 dB
5.270 GHz	5.278 GHz	1.000 MHz	5.27678 GHz	-27.37 dBm	-2.33 dB
5.278 GHz	5.300 GHz	1.000 MHz	5.27906 GHz	-27.51 dBm	-1.51 dB

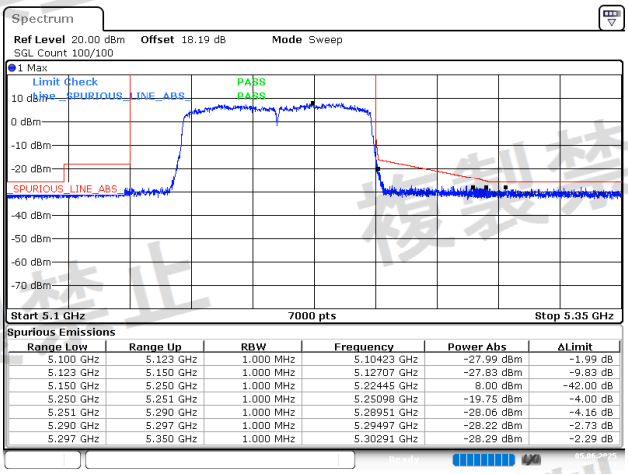
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:17:25

802.11ac80, Middle Channel(30MHz~5.1GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:36:45

802.11ac80, Middle Channel(5.1GHz~5.3GHz)

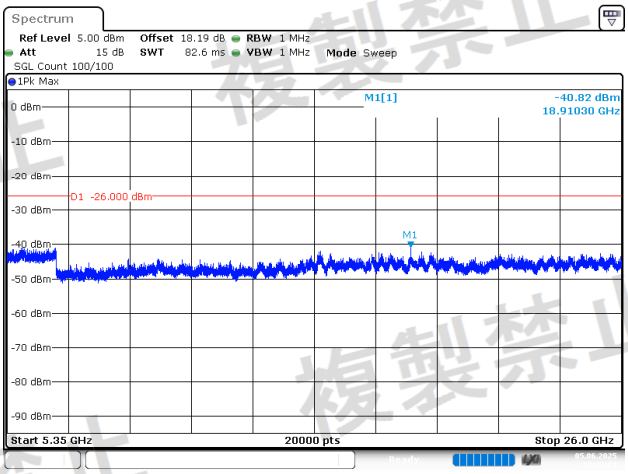


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.100 GHz	5.123 GHz	1.000 MHz	5.10423 GHz	-27.99 dBm	-1.99 dB
5.123 GHz	5.150 GHz	1.000 MHz	5.12707 GHz	-27.83 dBm	-9.83 dB
5.150 GHz	5.250 GHz	1.000 MHz	5.22445 GHz	8.00 dBm	-42.00 dB
5.250 GHz	5.251 GHz	1.000 MHz	5.25098 GHz	-19.75 dBm	-4.00 dB
5.251 GHz	5.290 GHz	1.000 MHz	5.28951 GHz	-28.06 dBm	-4.16 dB
5.290 GHz	5.297 GHz	1.000 MHz	5.29497 GHz	-28.22 dBm	-2.73 dB
5.297 GHz	5.350 GHz	1.000 MHz	5.30291 GHz	-28.29 dBm	-2.29 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:19:14

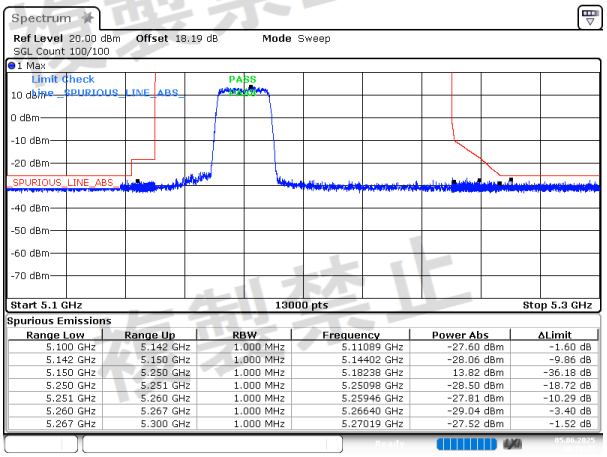
802.11ac80, Middle Channel(5.35GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:37:24

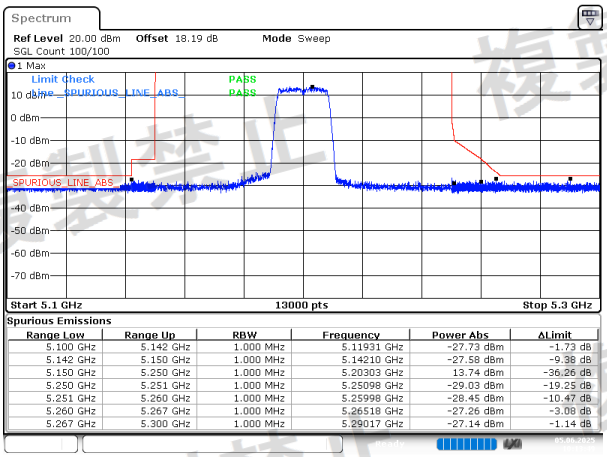
W52, Chain 0+Chain 1, Test Condition: NV

802.11n20, Low Channel(5.1GHz~5.3GHz)



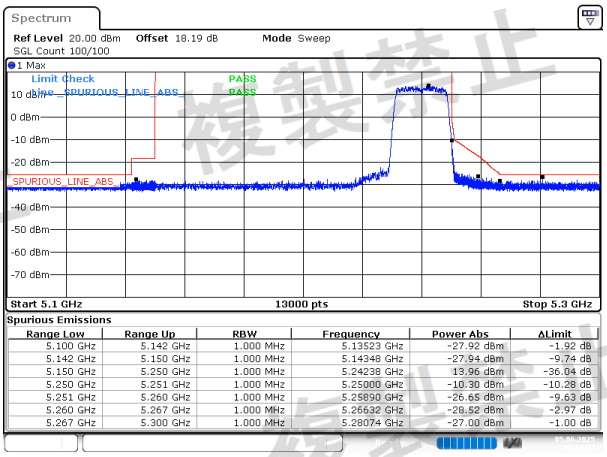
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:10:42

802.11n20, Middle Channel(5.1GHz~5.3GHz)



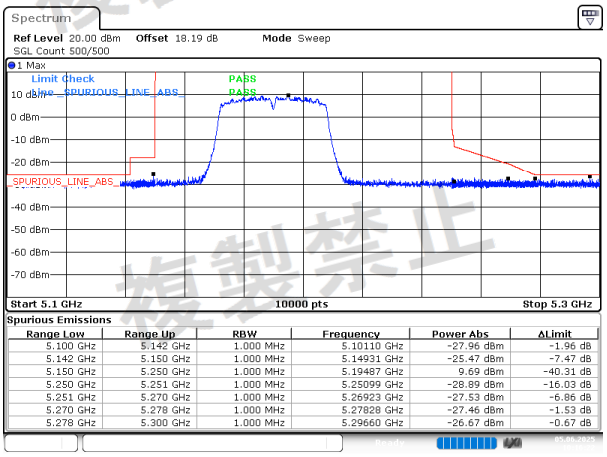
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:13:49

802.11n20, High Channel(5.1GHz~5.3GHz)



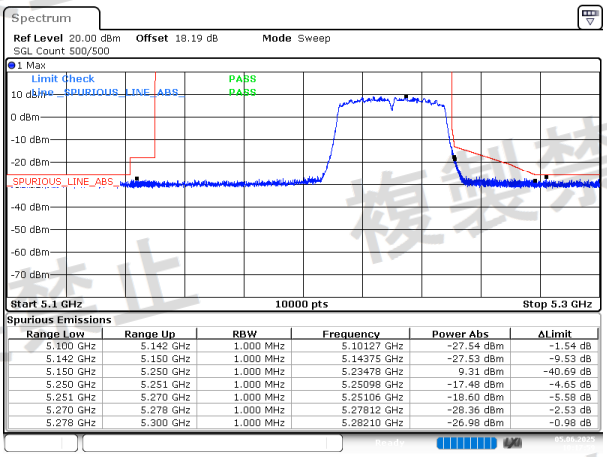
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:14:54

802.11n40, Low Channel(5.1GHz~5.3GHz)



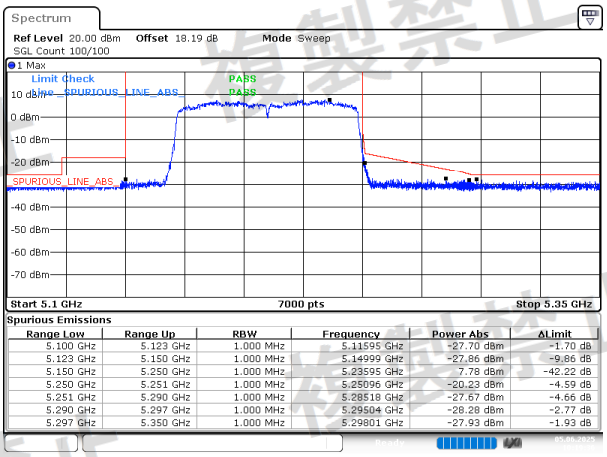
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:16:22

802.11n40, High Channel(5.1GHz~5.3GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:17:58

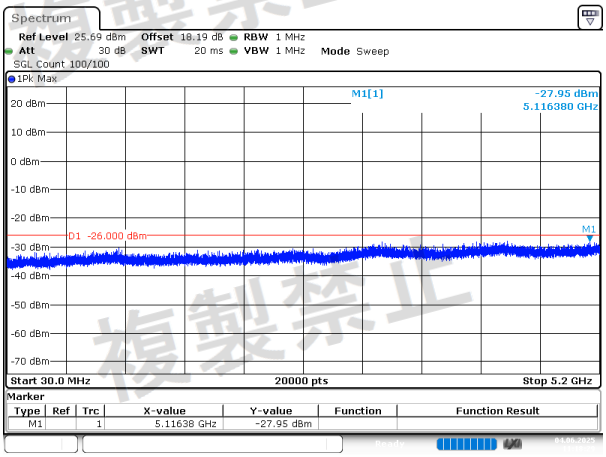
802.11ac80, Middle Channel(5.1GHz~5.3GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:19:37

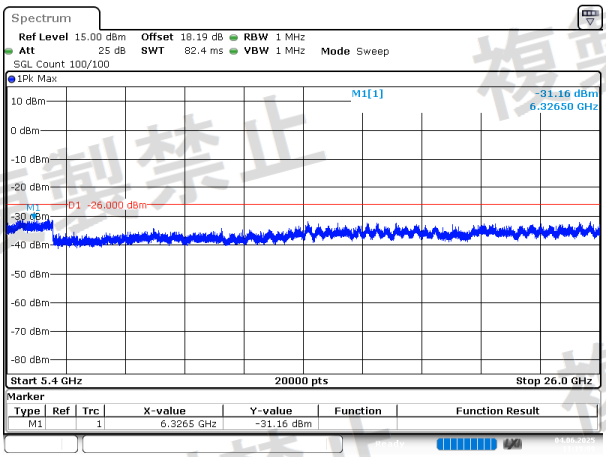
W53, Chain 0, Test Condition: NV

802.11a, Low Channel(30MHz~5.2GHz)



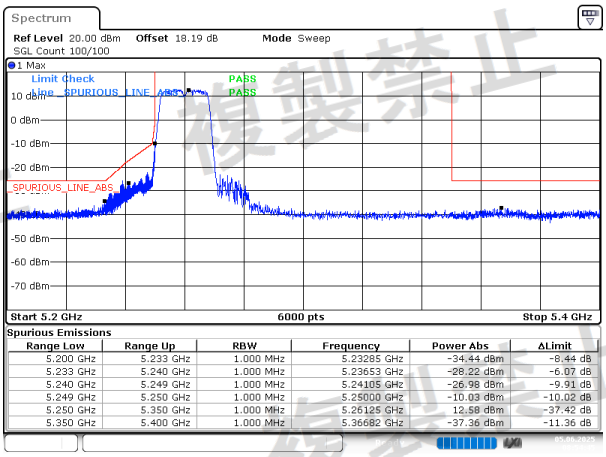
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:18:28

802.11a, Low Channel(5.4GHz~26GHz)



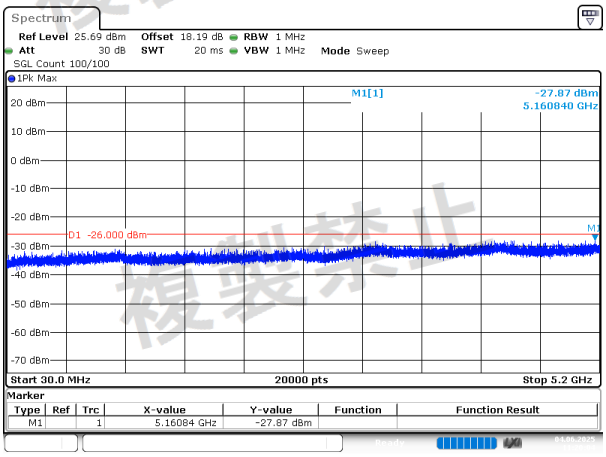
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:19:09

802.11a, Low Channel(5.2GHz~5.4GHz)



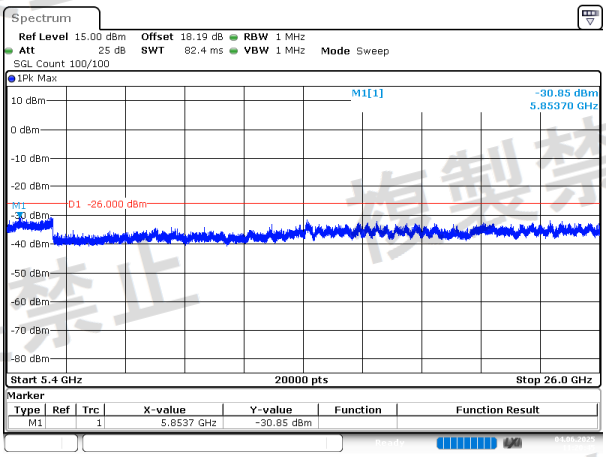
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 08:54:45

802.11a, Middle Channel(30MHz~5.2GHz)



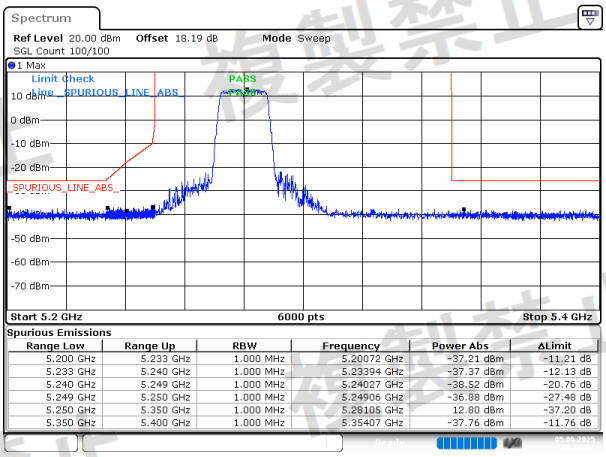
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:20:04

802.11a, Middle Channel(5.4GHz~26GHz)



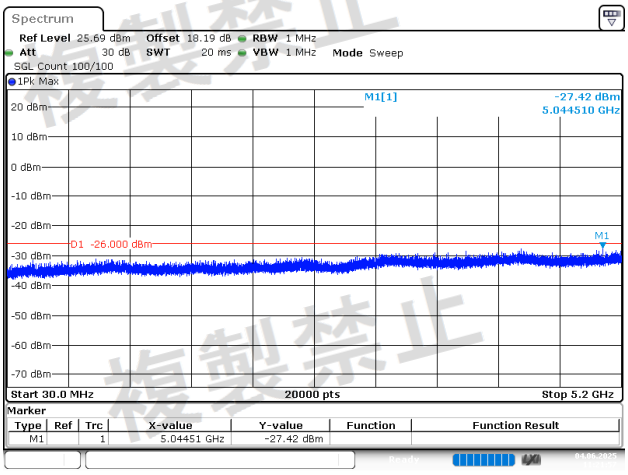
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:20:45

802.11a, Middle Channel(5.2GHz~5.4GHz)



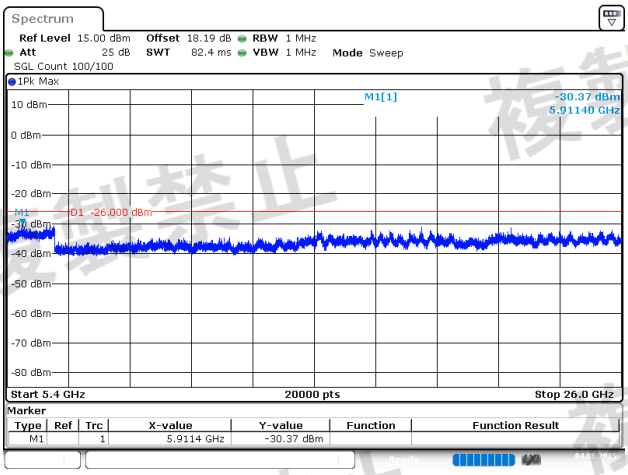
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 08:56:02

802.11a, High Channel(30MHz~5.2GHz)



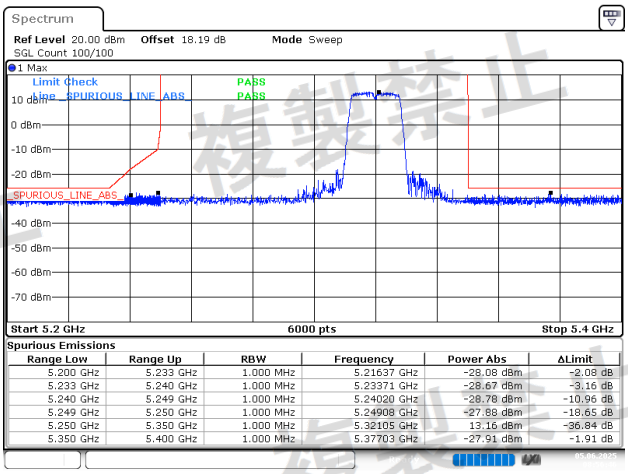
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:21:57

802.11a, High Channel(5.4GHz~26GHz)



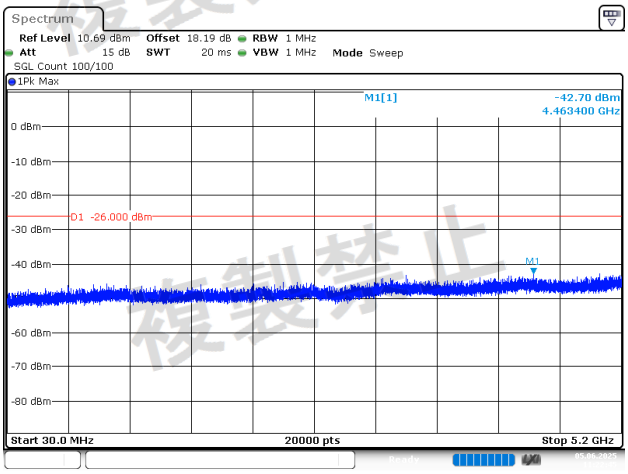
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:22:37

802.11a, High Channel(5.2GHz~5.4GHz)



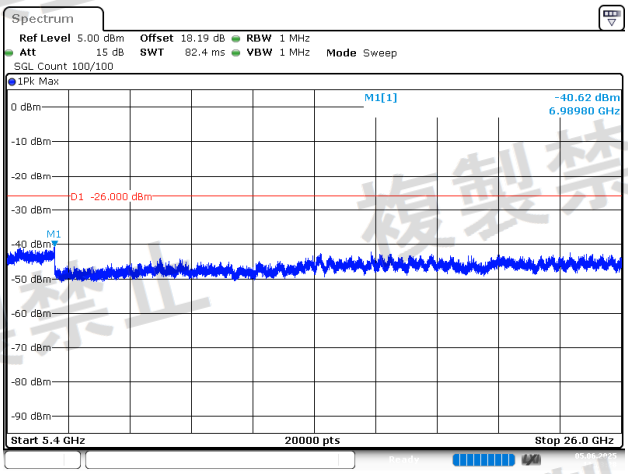
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 08:56:46

802.11n20, Low Channel(30MHz~5.2GHz)



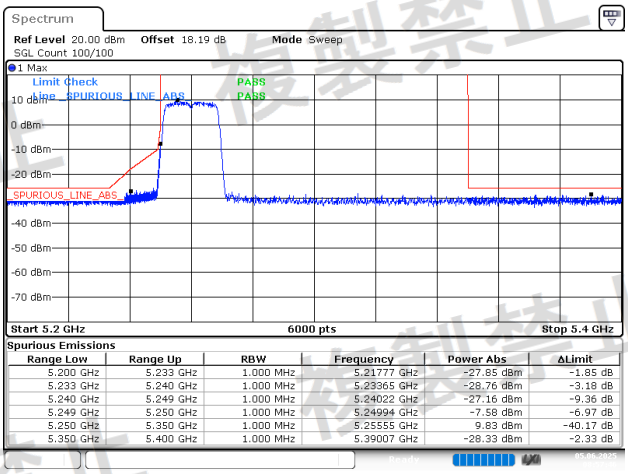
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:22:45

802.11n20, Low Channel(5.4GHz~26GHz)



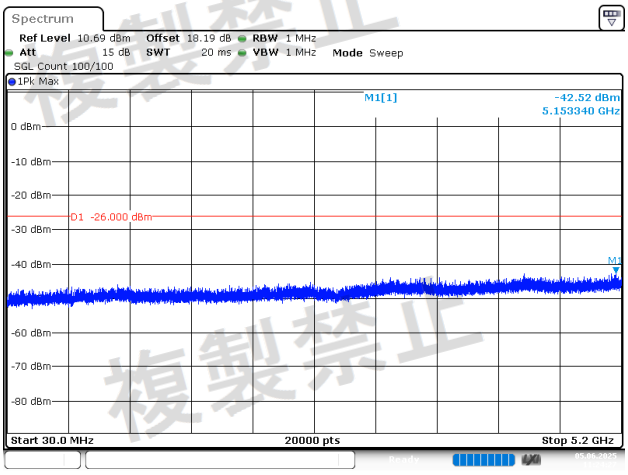
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:23:28

802.11n20, Low Channel(5.2GHz~5.4GHz)



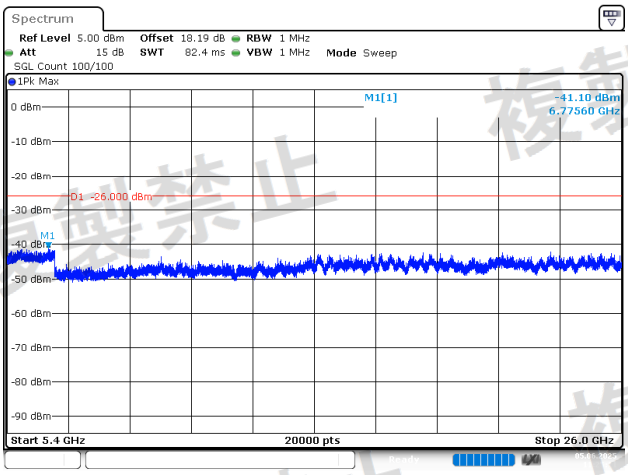
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 08:57:46

802.11n20, Middle Channel(30MHz~5.2GHz)



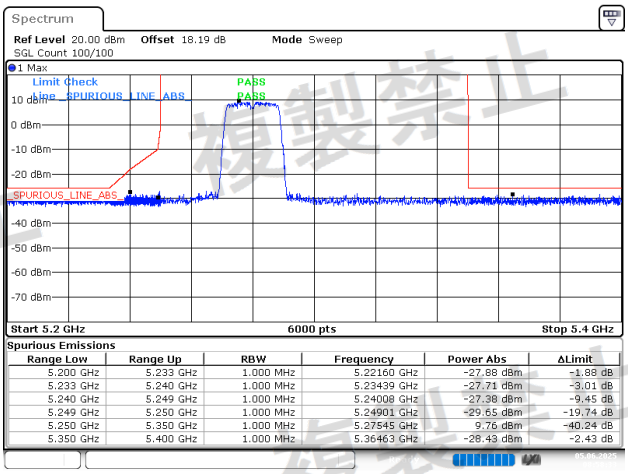
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:24:28

802.11n20, Middle Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:25:10

802.11n20, Middle Channel(5.2GHz~5.4GHz)

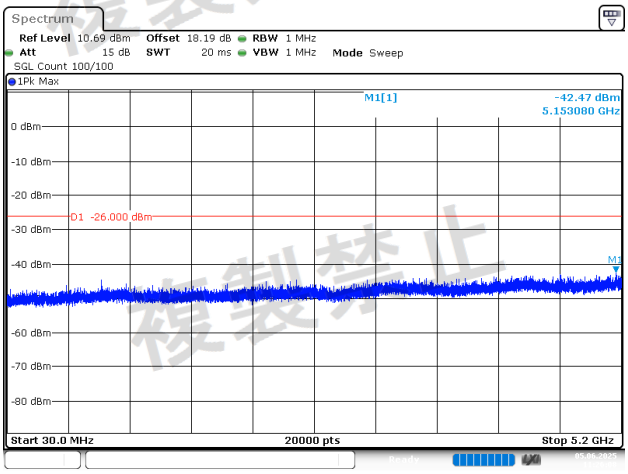


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.22160 GHz	-27.88 dBm	-1.88 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23439 GHz	-27.71 dBm	-3.01 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24008 GHz	-27.38 dBm	-9.45 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24901 GHz	-29.65 dBm	-19.74 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.27545 GHz	9.76 dBm	-40.24 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.36463 GHz	-28.43 dBm	-2.43 dB

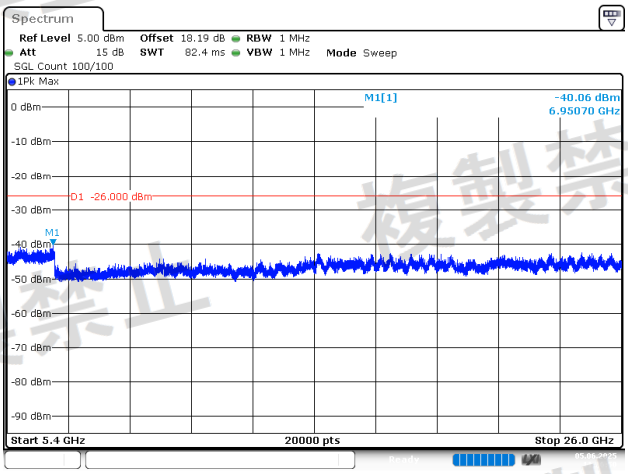
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 08:58:33

802.11n20, High Channel(30MHz~5.2GHz)



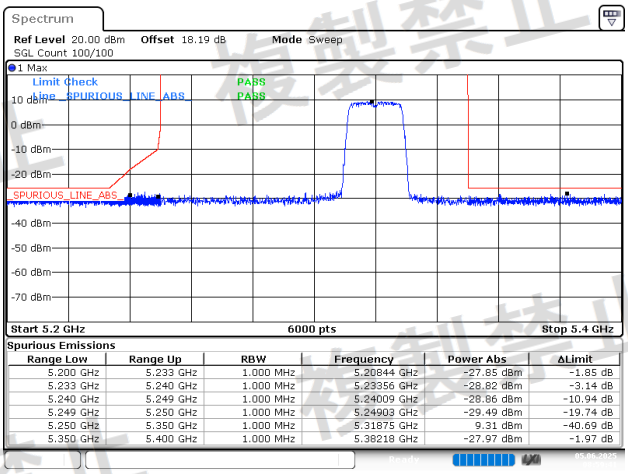
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:26:08

802.11n20, High Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:26:50

802.11n20, High Channel(5.2GHz~5.4GHz)

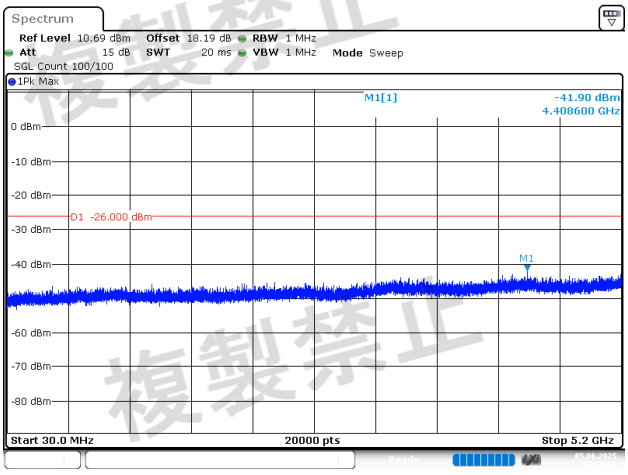


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.20844 GHz	-27.85 dBm	-1.85 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23356 GHz	-28.82 dBm	-3.14 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24009 GHz	-28.86 dBm	-10.94 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24903 GHz	-29.49 dBm	-19.74 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.31875 GHz	9.31 dBm	-40.69 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.38218 GHz	-27.97 dBm	-1.97 dB

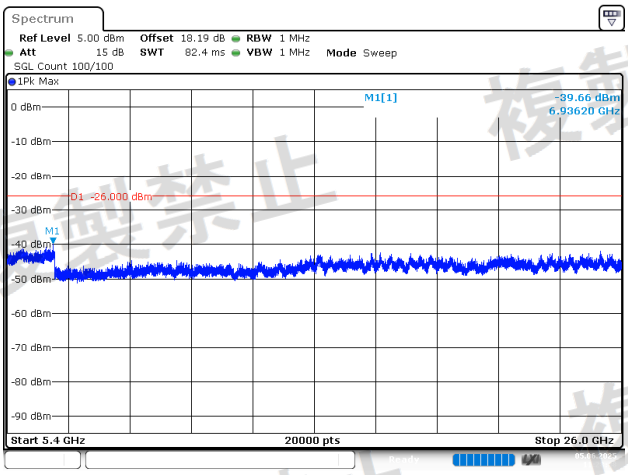
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 08:59:41

802.11n40, Low Channel(30MHz~5.2GHz)



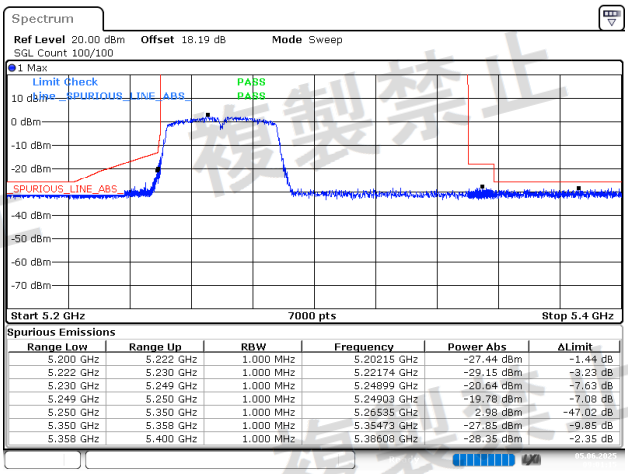
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:28:06

802.11n40, Low Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:28:49

802.11n40, Low Channel(5.2GHz~5.4GHz)

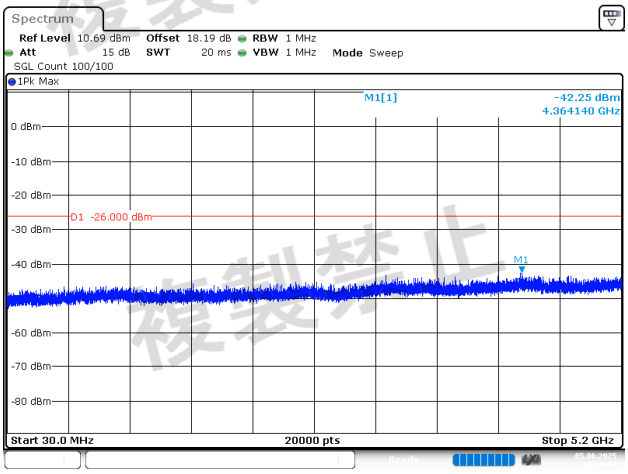


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.222 GHz	1.000 MHz	5.20215 GHz	-27.44 dBm	-1.44 dB
5.222 GHz	5.230 GHz	1.000 MHz	5.22174 GHz	-29.15 dBm	-3.23 dB
5.230 GHz	5.249 GHz	1.000 MHz	5.24899 GHz	-20.64 dBm	-7.63 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24903 GHz	-19.78 dBm	-7.08 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.26535 GHz	2.98 dBm	-47.02 dB
5.350 GHz	5.358 GHz	1.000 MHz	5.35473 GHz	-27.85 dBm	-9.85 dB
5.358 GHz	5.400 GHz	1.000 MHz	5.38608 GHz	-28.35 dBm	-2.35 dB

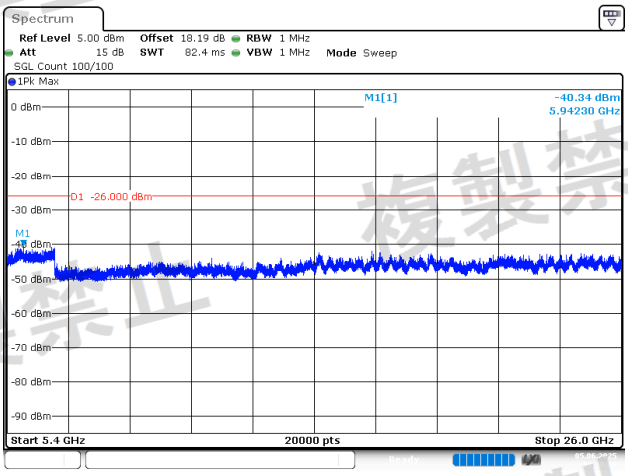
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:01:15

802.11n40, High Channel(30MHz~5.2GHz)



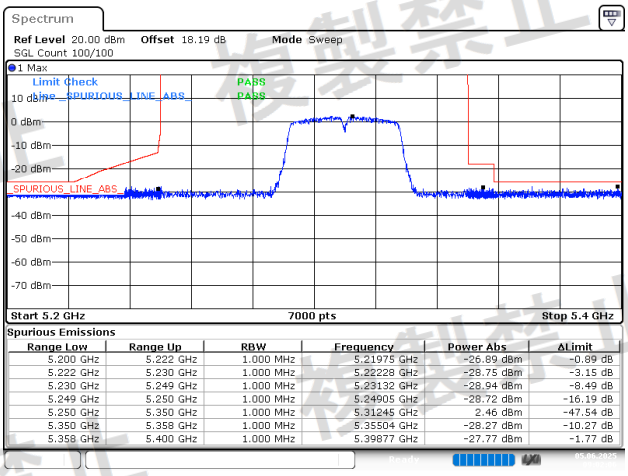
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:30:03

802.11n40, High Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:30:46

802.11n40, High Channel(5.2GHz~5.4GHz)

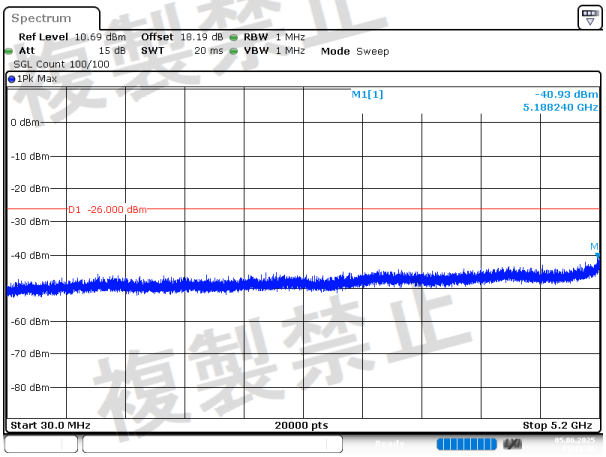


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.222 GHz	1.000 MHz	5.21975 GHz	-26.89 dBm	-0.89 dB
5.222 GHz	5.230 GHz	1.000 MHz	5.22228 GHz	-28.75 dBm	-3.15 dB
5.230 GHz	5.249 GHz	1.000 MHz	5.23132 GHz	-28.94 dBm	-8.49 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24905 GHz	-28.72 dBm	-16.19 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.31245 GHz	2.46 dBm	-47.54 dB
5.350 GHz	5.358 GHz	1.000 MHz	5.35504 GHz	-28.27 dBm	-10.27 dB
5.358 GHz	5.400 GHz	1.000 MHz	5.39877 GHz	-27.77 dBm	-1.77 dB

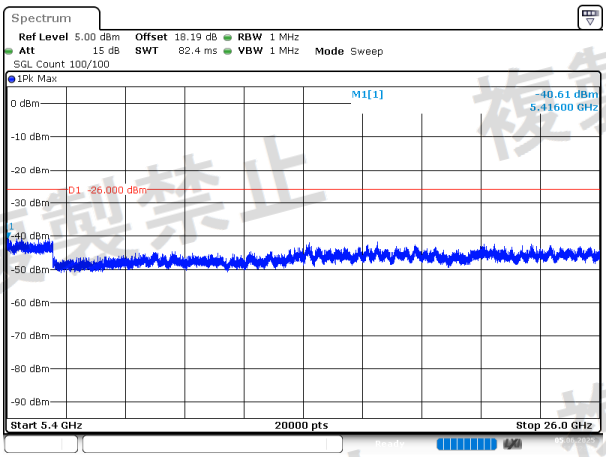
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:02:06

802.11ac80, Middle Channel(30MHz~5.2GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:31:47

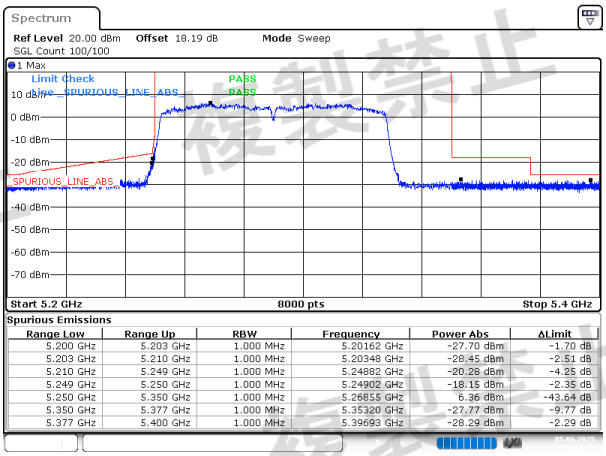
802.11ac80, Middle Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:32:30

W53, Chain 1, Test Condition: NV

802.11ac80, Middle Channel(5.2GHz~5.4GHz)

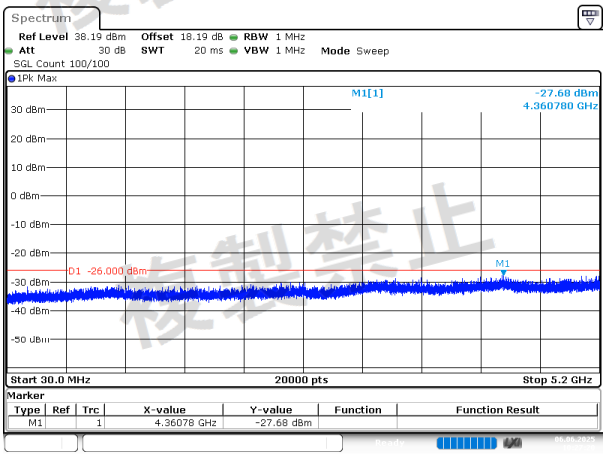


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.203 GHz	1.000 MHz	5.20162 GHz	-27.70 dBm	-1.70 dB
5.203 GHz	5.210 GHz	1.000 MHz	5.20348 GHz	-28.45 dBm	-2.51 dB
5.210 GHz	5.249 GHz	1.000 MHz	5.24882 GHz	-20.28 dBm	-4.25 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24902 GHz	-18.15 dBm	-2.35 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.26855 GHz	6.36 dBm	-43.64 dB
5.350 GHz	5.377 GHz	1.000 MHz	5.35320 GHz	-27.77 dBm	-9.77 dB
5.377 GHz	5.400 GHz	1.000 MHz	5.39693 GHz	-28.29 dBm	-2.29 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:02:59

802.11a, Low Channel(30MHz~5.2GHz)

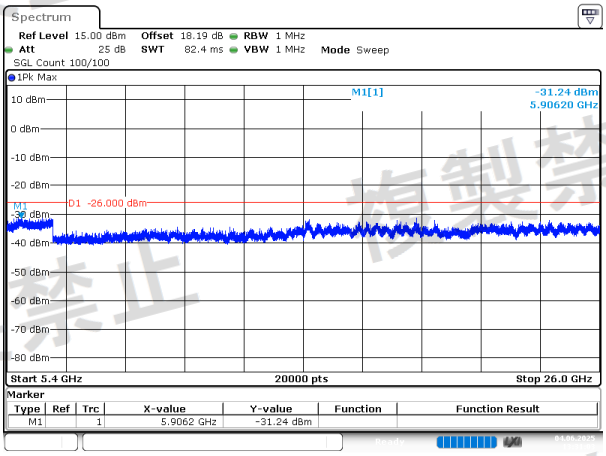


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	4.36078 GHz	-27.68 dBm		

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 6.JUN.2025 10:27:21

802.11a, Low Channel(5.4GHz~26GHz)

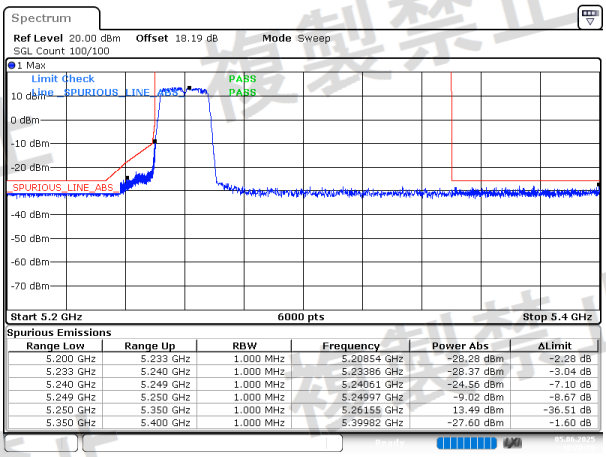


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	5.9062 GHz	-31.24 dBm		

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:31:04

802.11a, Low Channel(5.2GHz~5.4GHz)

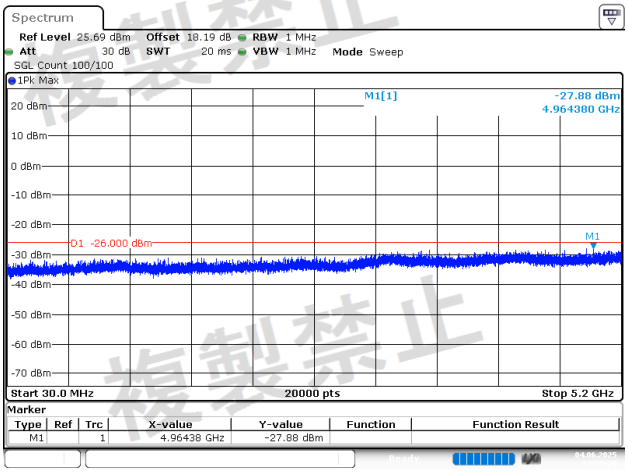


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.20854 GHz	-28.28 dBm	-2.28 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23386 GHz	-28.37 dBm	-3.04 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24061 GHz	-24.56 dBm	-7.10 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24997 GHz	-9.02 dBm	-8.67 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.26155 GHz	13.49 dBm	-36.51 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.39982 GHz	-27.60 dBm	-1.60 dB

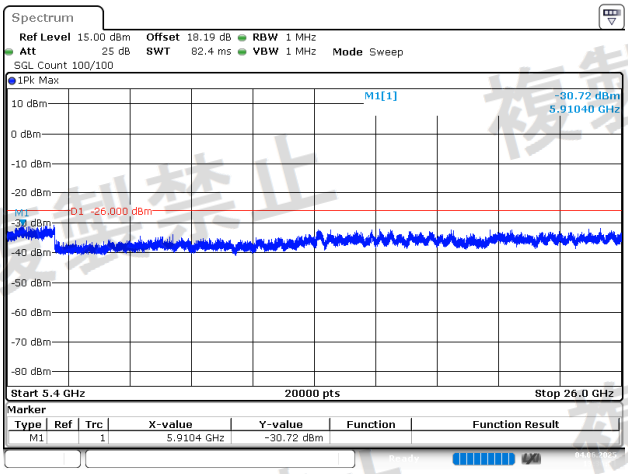
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:20:56

802.11a, Middle Channel(30MHz~5.2GHz)



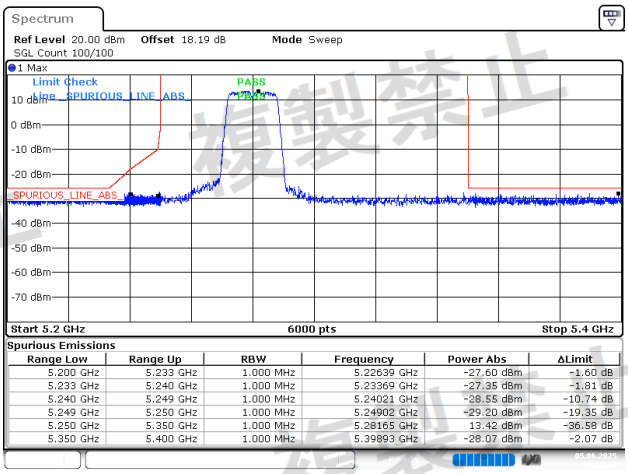
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:35:20

802.11a, Middle Channel(5.4GHz~26GHz)



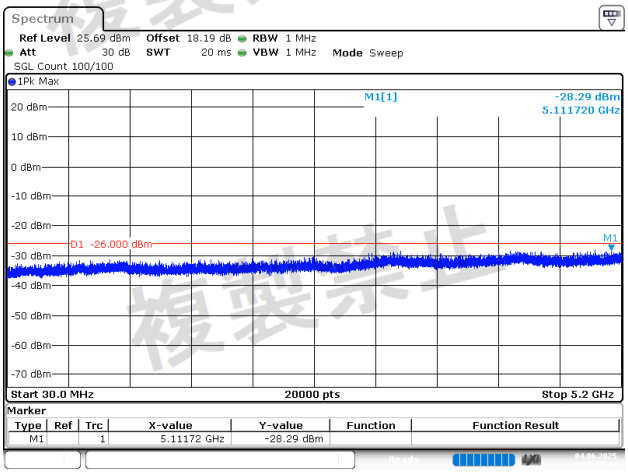
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:36:01

802.11a, Middle Channel(5.2GHz~5.4GHz)



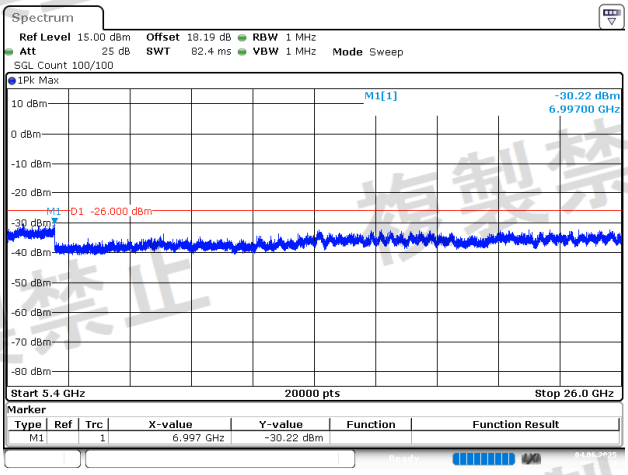
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:22:18

802.11a, High Channel(30MHz~5.2GHz)



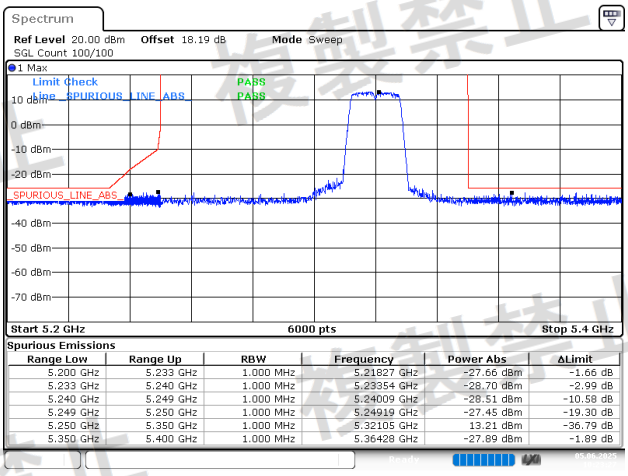
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:37:14

802.11a, High Channel(5.4GHz~26GHz)



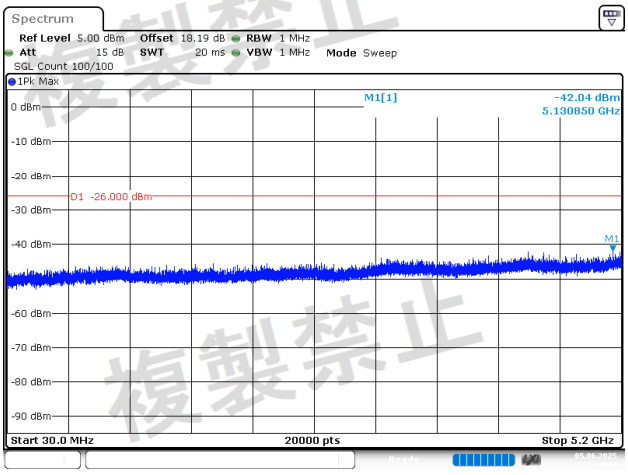
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:37:54

802.11a, High Channel(5.2GHz~5.4GHz)



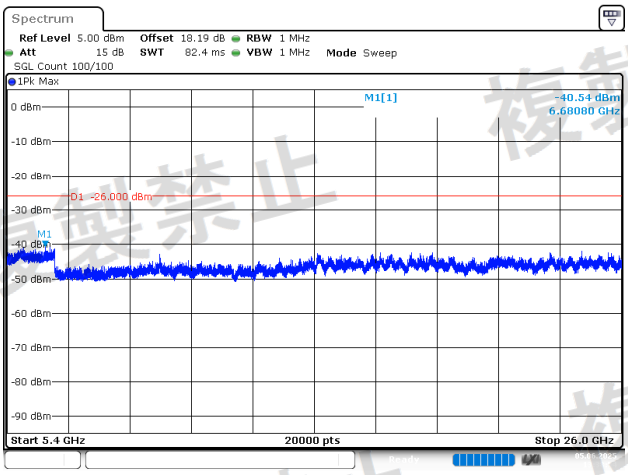
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:23:28

802.11n20, Low Channel(30MHz~5.2GHz)



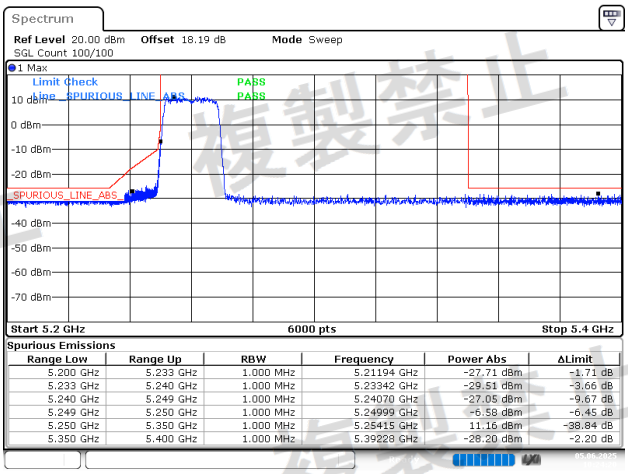
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:38:14

802.11n20, Low Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:38:54

802.11n20, Low Channel(5.2GHz~5.4GHz)

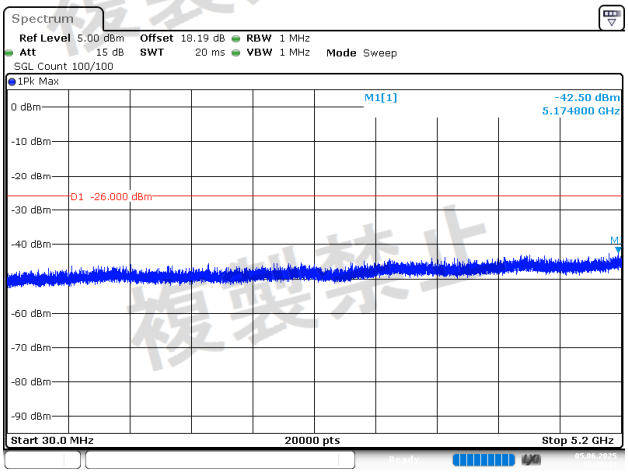


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.21194 GHz	-27.71 dBm	-1.71 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23342 GHz	-29.51 dBm	-3.66 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24070 GHz	-27.05 dBm	-9.67 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24999 GHz	-6.58 dBm	-6.45 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.25415 GHz	11.16 dBm	-38.84 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.39228 GHz	-28.20 dBm	-2.20 dB

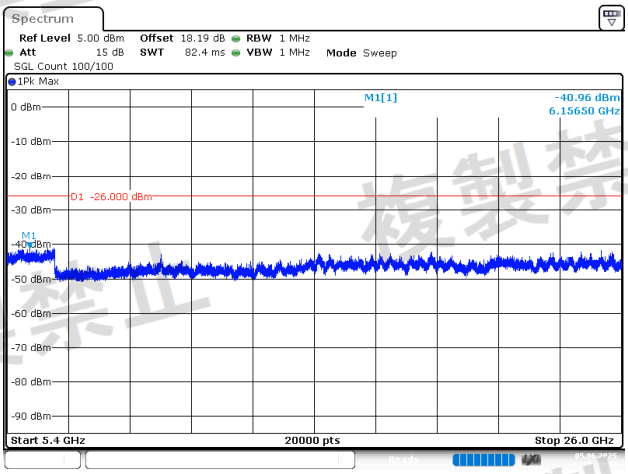
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:24:20

802.11n20, Middle Channel(30MHz~5.2GHz)



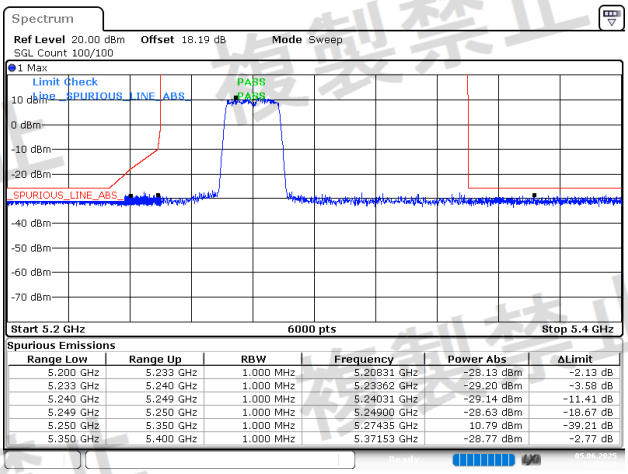
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:39:34

802.11n20, Middle Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:40:13

802.11n20, Middle Channel(5.2GHz~5.4GHz)

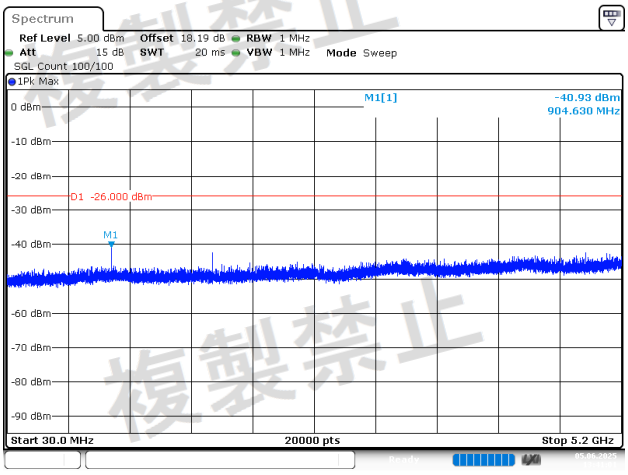


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.20831 GHz	-28.13 dBm	-2.13 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23362 GHz	-29.20 dBm	-3.58 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24031 GHz	-29.14 dBm	-11.41 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24900 GHz	-28.63 dBm	-18.67 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.27435 GHz	10.79 dBm	-39.21 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.37153 GHz	-28.77 dBm	-2.77 dB

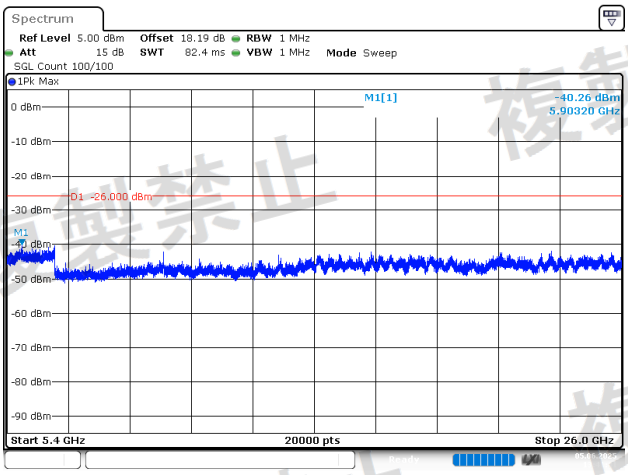
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:25:33

802.11n20, High Channel(30MHz~5.2GHz)



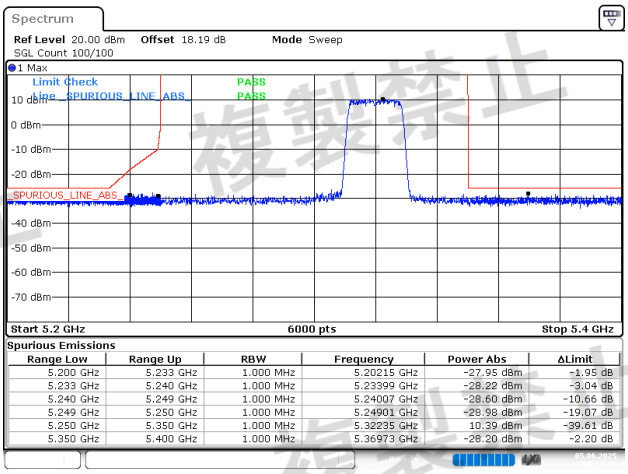
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:41:01

802.11n20, High Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:41:41

802.11n20, High Channel(5.2GHz~5.4GHz)

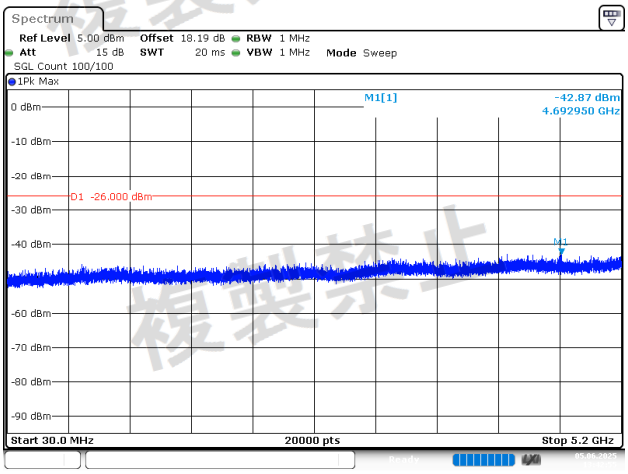


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.20215 GHz	-27.95 dBm	-1.95 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23399 GHz	-28.22 dBm	-3.04 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24007 GHz	-28.60 dBm	-10.66 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24901 GHz	-28.98 dBm	-19.07 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.32235 GHz	10.39 dBm	-39.61 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.36973 GHz	-28.20 dBm	-2.20 dB

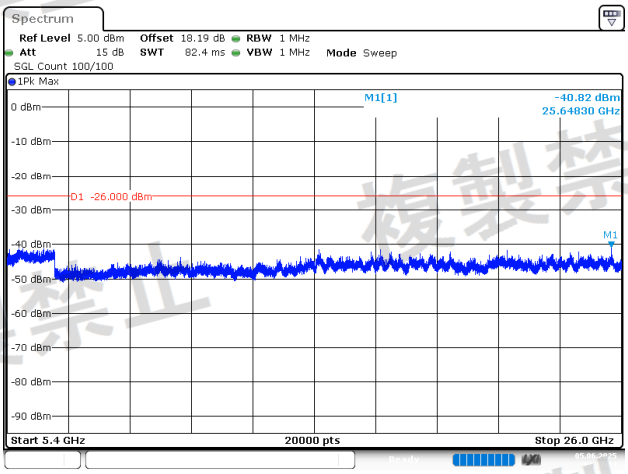
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:27:34

802.11n40, Low Channel(30MHz~5.2GHz)



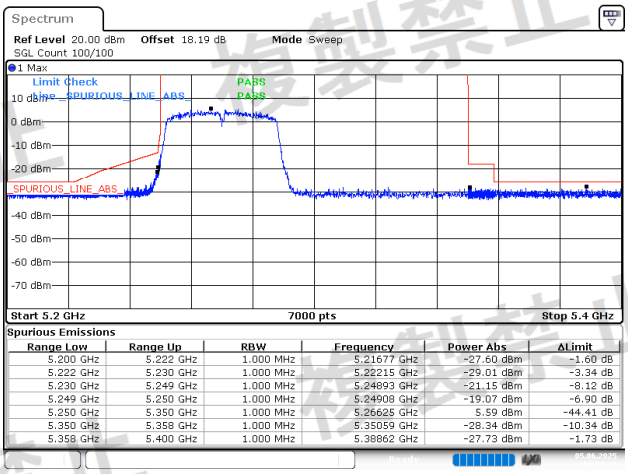
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:42:55

802.11n40, Low Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:43:34

802.11n40, Low Channel(5.2GHz~5.4GHz)

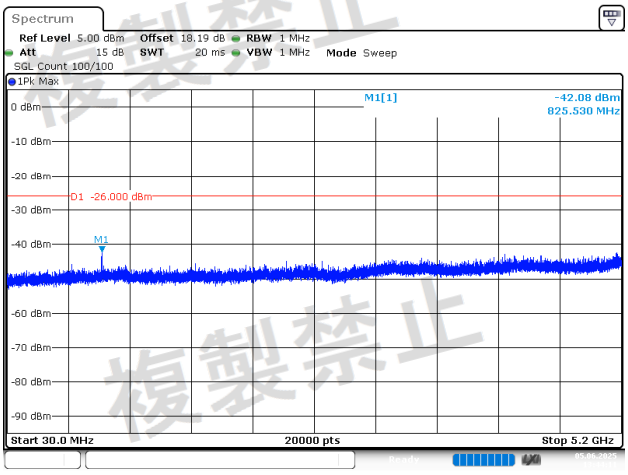


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.222 GHz	1.000 MHz	5.21677 GHz	-27.60 dBm	-1.60 dB
5.222 GHz	5.230 GHz	1.000 MHz	5.22215 GHz	-29.01 dBm	-3.34 dB
5.230 GHz	5.249 GHz	1.000 MHz	5.24893 GHz	-21.15 dBm	-8.12 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24908 GHz	-19.07 dBm	-6.90 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.26625 GHz	5.59 dBm	-44.41 dB
5.350 GHz	5.358 GHz	1.000 MHz	5.35059 GHz	-28.34 dBm	-10.34 dB
5.358 GHz	5.400 GHz	1.000 MHz	5.38862 GHz	-27.73 dBm	-1.73 dB

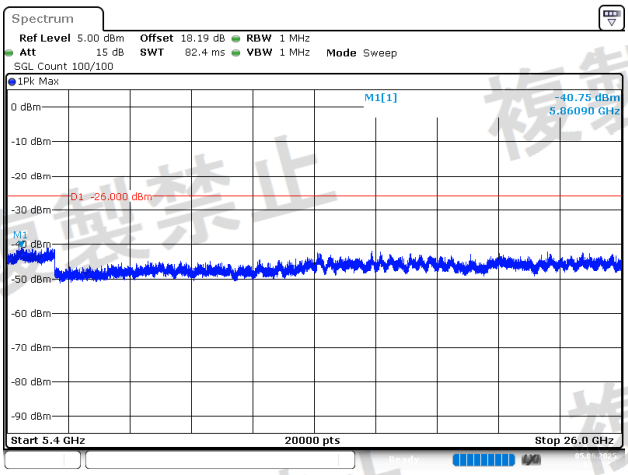
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:33:42

802.11n40, High Channel(30MHz~5.2GHz)



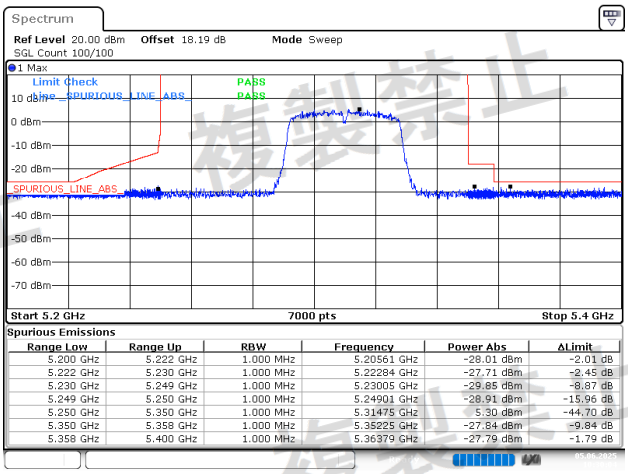
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:44:11

802.11n40, High Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:44:51

802.11n40, High Channel(5.2GHz~5.4GHz)

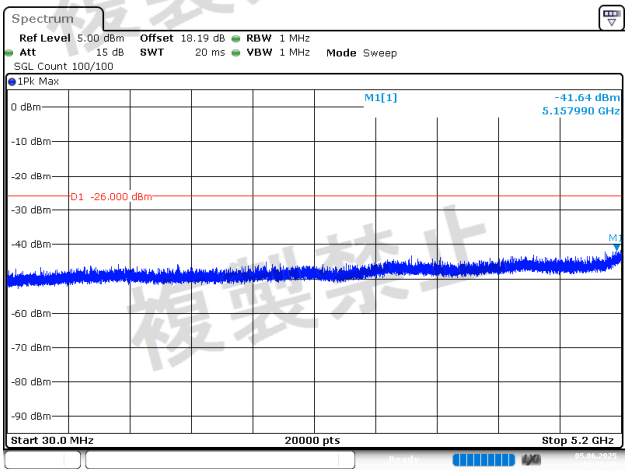


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.222 GHz	1.000 MHz	5.20561 GHz	-28.01 dBm	-2.01 dB
5.222 GHz	5.230 GHz	1.000 MHz	5.22284 GHz	-27.71 dBm	-2.45 dB
5.230 GHz	5.249 GHz	1.000 MHz	5.23005 GHz	-29.85 dBm	-8.87 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24901 GHz	-28.91 dBm	-15.96 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.31475 GHz	5.30 dBm	-44.70 dB
5.350 GHz	5.358 GHz	1.000 MHz	5.35225 GHz	-27.84 dBm	-9.84 dB
5.358 GHz	5.400 GHz	1.000 MHz	5.36379 GHz	-27.79 dBm	-1.79 dB

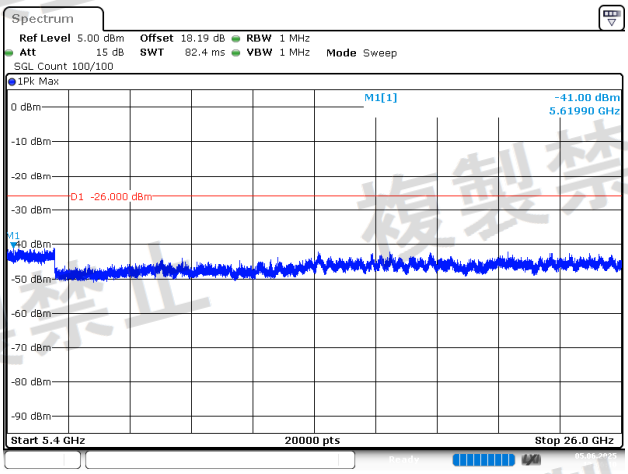
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:30:05

802.11ac80, Middle Channel(30MHz~5.2GHz)



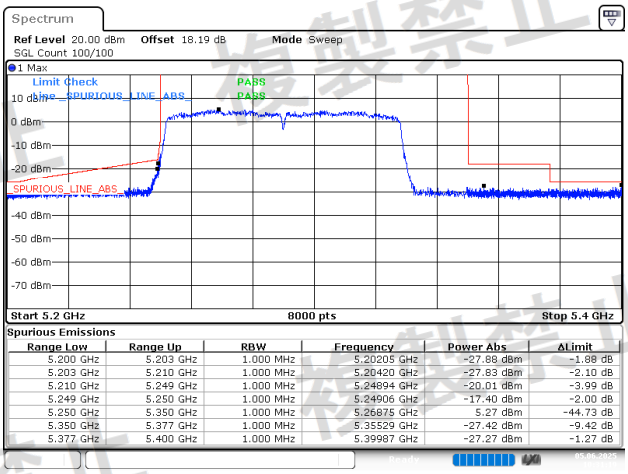
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:45:30

802.11ac80, Middle Channel(5.4GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:46:10

802.11ac80, Middle Channel(5.2GHz~5.4GHz)



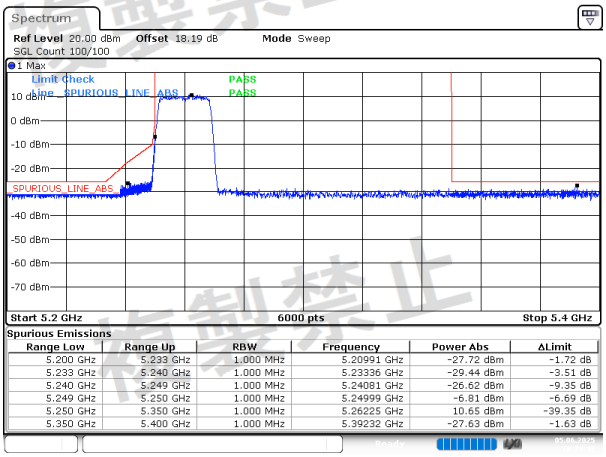
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.203 GHz	1.000 MHz	5.20205 GHz	-27.88 dBm	-1.88 dB
5.203 GHz	5.210 GHz	1.000 MHz	5.20420 GHz	-27.83 dBm	-2.10 dB
5.210 GHz	5.249 GHz	1.000 MHz	5.24894 GHz	-20.01 dBm	-3.99 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24906 GHz	-17.40 dBm	-2.00 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.26875 GHz	5.27 dBm	-44.73 dB
5.350 GHz	5.377 GHz	1.000 MHz	5.35529 GHz	-27.42 dBm	-9.42 dB
5.377 GHz	5.400 GHz	1.000 MHz	5.39987 GHz	-27.27 dBm	-1.27 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:31:19

W53, Chain 0+Chain 1, Test Condition: NV

802.11n20, Low Channel(5.2GHz~5.4GHz)

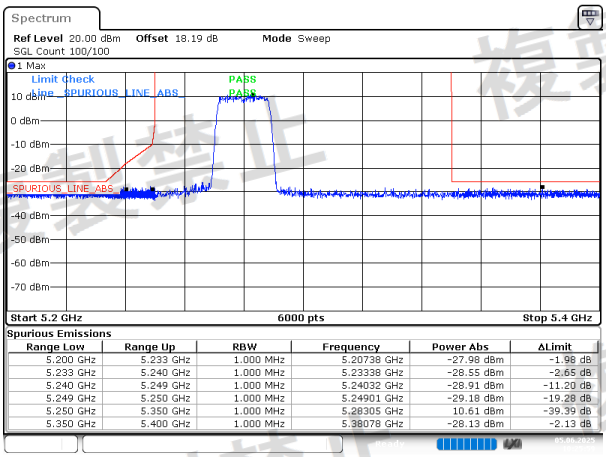


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.20991 GHz	-27.72 dBm	-1.72 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23336 GHz	-29.44 dBm	-3.51 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24081 GHz	-26.62 dBm	-9.35 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24999 GHz	-6.81 dBm	-6.69 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.26225 GHz	10.65 dBm	-39.35 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.39232 GHz	-27.63 dBm	-1.63 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:24:42

802.11n20, Middle Channel(5.2GHz~5.4GHz)

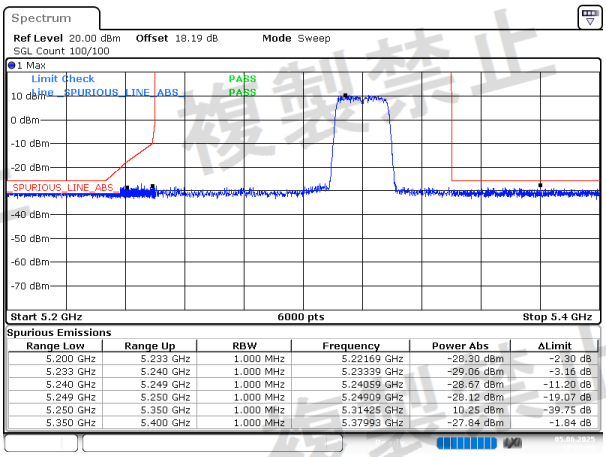


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.20738 GHz	-27.98 dBm	-1.98 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23338 GHz	-28.55 dBm	-2.65 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24032 GHz	-28.91 dBm	-11.20 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24901 GHz	-29.18 dBm	-19.28 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.28305 GHz	10.61 dBm	-39.39 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.38078 GHz	-28.13 dBm	-2.13 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:26:00

802.11n20, High Channel(5.2GHz~5.4GHz)

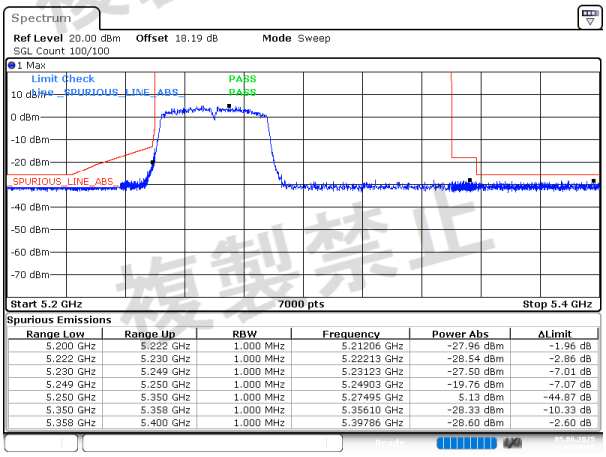


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.233 GHz	1.000 MHz	5.22169 GHz	-28.30 dBm	-2.30 dB
5.233 GHz	5.240 GHz	1.000 MHz	5.23339 GHz	-29.06 dBm	-3.16 dB
5.240 GHz	5.249 GHz	1.000 MHz	5.24059 GHz	-28.67 dBm	-11.20 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24909 GHz	-28.12 dBm	-19.07 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.31425 GHz	10.25 dBm	-39.75 dB
5.350 GHz	5.400 GHz	1.000 MHz	5.37993 GHz	-27.84 dBm	-1.84 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:28:00

802.11n40, Low Channel(5.2GHz~5.4GHz)

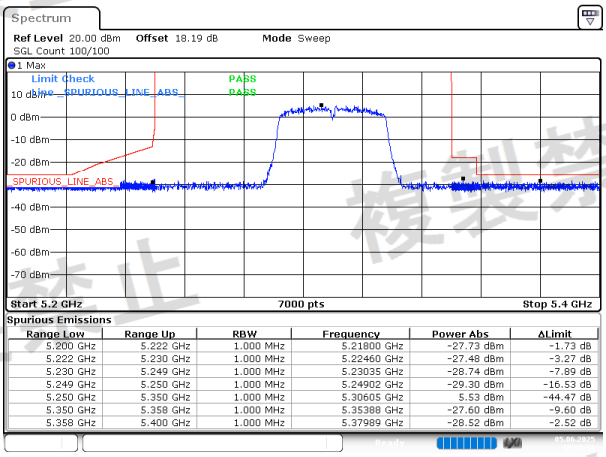


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.222 GHz	1.000 MHz	5.21206 GHz	-27.96 dBm	-1.96 dB
5.222 GHz	5.230 GHz	1.000 MHz	5.22213 GHz	-28.54 dBm	-2.86 dB
5.230 GHz	5.249 GHz	1.000 MHz	5.23123 GHz	-27.50 dBm	-7.01 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24903 GHz	-19.76 dBm	-7.07 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.27495 GHz	5.13 dBm	-44.87 dB
5.350 GHz	5.358 GHz	1.000 MHz	5.35610 GHz	-28.33 dBm	-10.33 dB
5.358 GHz	5.400 GHz	1.000 MHz	5.39786 GHz	-28.60 dBm	-2.60 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:29:15

802.11n40, High Channel(5.2GHz~5.4GHz)

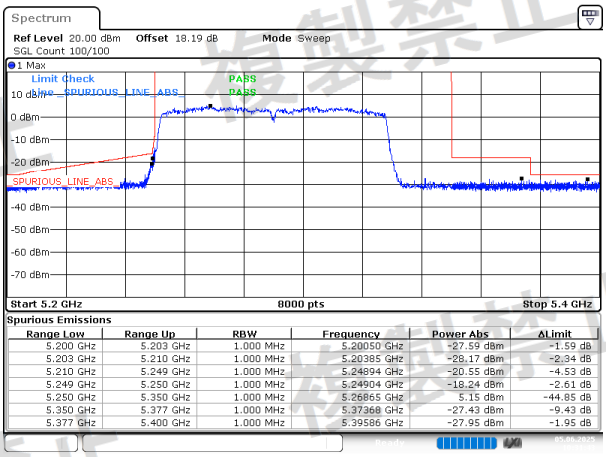


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.222 GHz	1.000 MHz	5.21800 GHz	-27.73 dBm	-1.73 dB
5.222 GHz	5.230 GHz	1.000 MHz	5.22460 GHz	-27.48 dBm	-3.27 dB
5.230 GHz	5.249 GHz	1.000 MHz	5.23035 GHz	-28.74 dBm	-7.89 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24902 GHz	-29.30 dBm	-16.53 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.30605 GHz	5.53 dBm	-44.47 dB
5.350 GHz	5.358 GHz	1.000 MHz	5.35388 GHz	-27.60 dBm	-9.60 dB
5.358 GHz	5.400 GHz	1.000 MHz	5.37989 GHz	-28.52 dBm	-2.52 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:30:32

802.11ac80, Middle Channel(5.2GHz~5.4GHz)



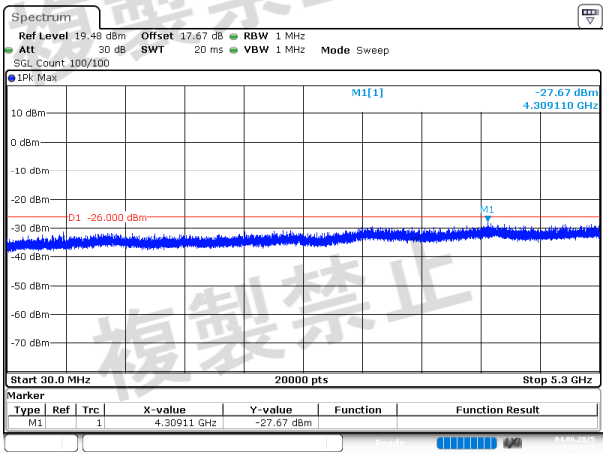
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.200 GHz	5.203 GHz	1.000 MHz	5.20050 GHz	-27.59 dBm	-1.59 dB
5.203 GHz	5.210 GHz	1.000 MHz	5.20385 GHz	-28.17 dBm	-2.34 dB
5.210 GHz	5.249 GHz	1.000 MHz	5.24894 GHz	-20.55 dBm	-4.53 dB
5.249 GHz	5.250 GHz	1.000 MHz	5.24904 GHz	-18.24 dBm	-2.61 dB
5.250 GHz	5.350 GHz	1.000 MHz	5.26865 GHz	5.15 dBm	-44.85 dB
5.350 GHz	5.377 GHz	1.000 MHz	5.37368 GHz	-27.43 dBm	-9.43 dB
5.377 GHz	5.400 GHz	1.000 MHz	5.39586 GHz	-27.95 dBm	-1.95 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:31:43

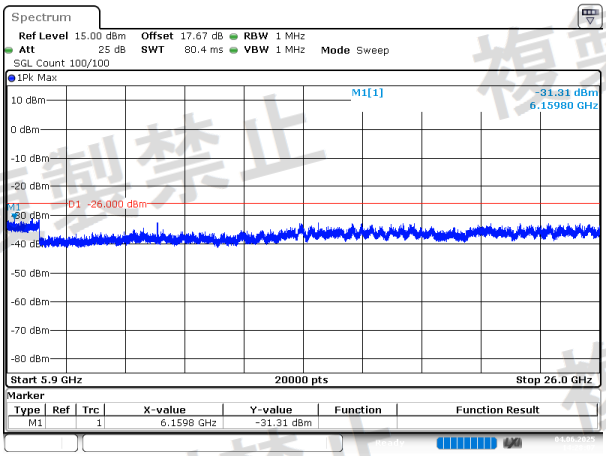
W56, Chain 0, Test Condition: NV

802.11a, Low Channel(30MHz~5.3GHz)



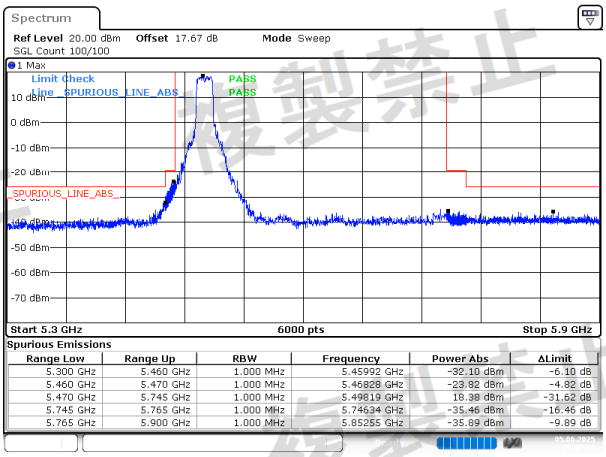
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:27:27

802.11a, Low Channel(5.9GHz~26GHz)



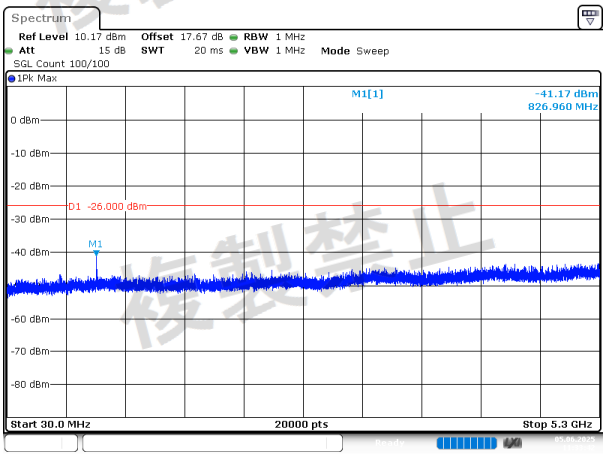
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:28:07

802.11a, Low Channel(5.3GHz~5.9GHz)



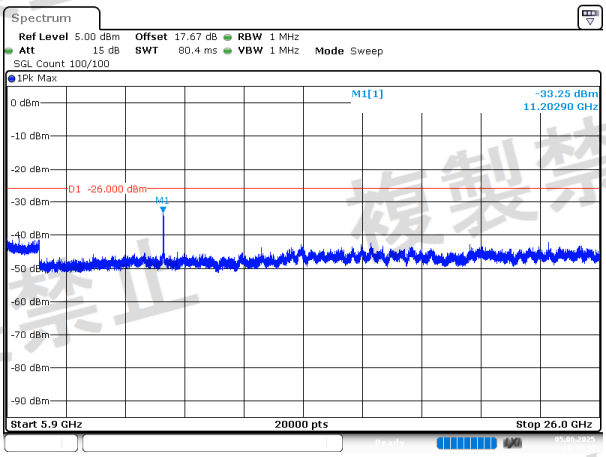
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:17:14

802.11a, Middle Channel(30MHz~5.3GHz)



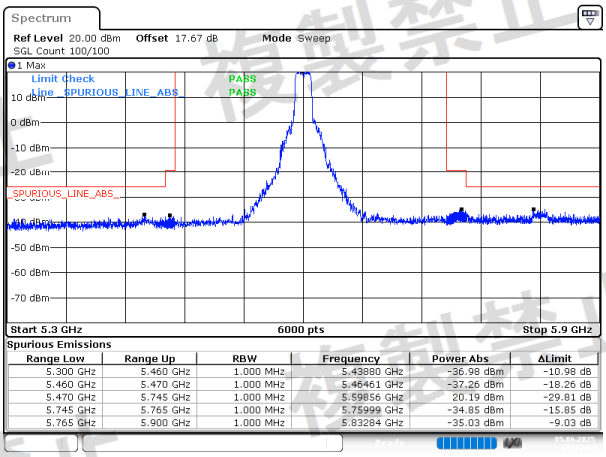
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:33:42

802.11a, Middle Channel(5.9GHz~26GHz)



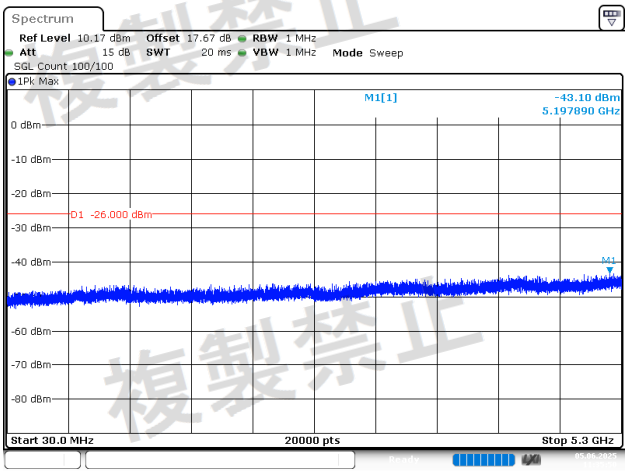
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:34:44

802.11a, Middle Channel(5.3GHz~5.9GHz)



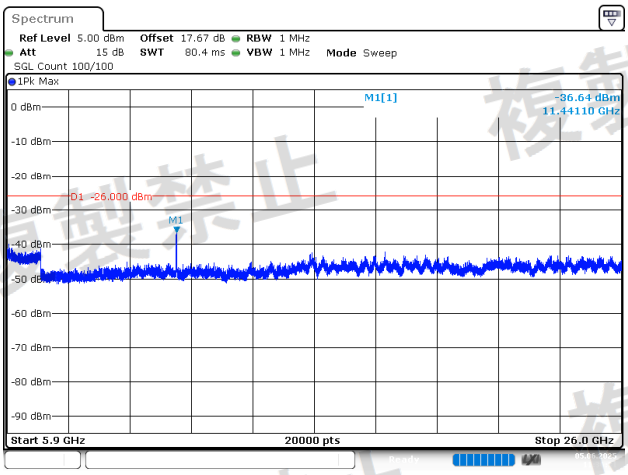
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:19:01

802.11a, High Channel(30MHz~5.3GHz)



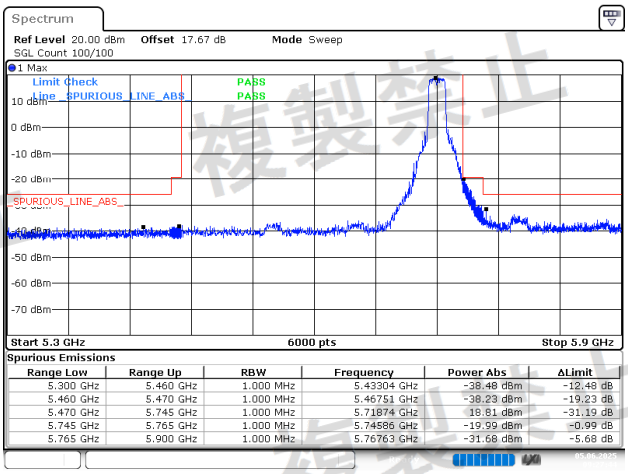
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:35:51

802.11a, High Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:36:32

802.11a, High Channel(5.3GHz~5.9GHz)

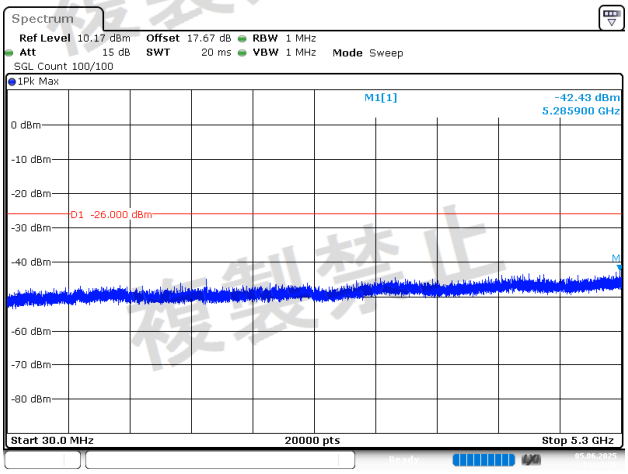


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.43304 GHz	-38.48 dBm	-12.48 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46751 GHz	-38.23 dBm	-19.23 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.71874 GHz	18.81 dBm	-31.19 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.74586 GHz	-19.99 dBm	-0.99 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.76763 GHz	-31.68 dBm	-5.68 dB

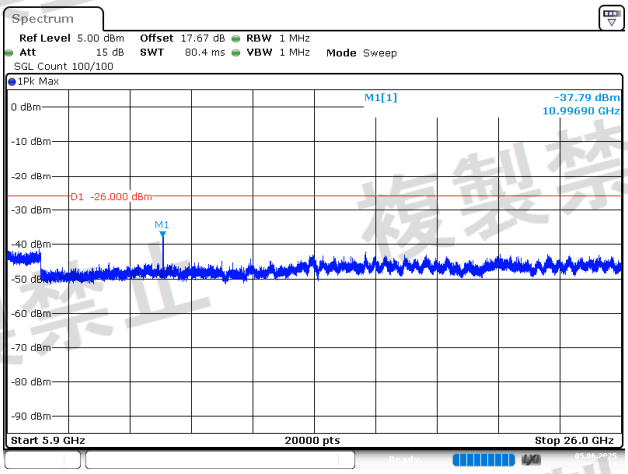
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:27:45

802.11n20, Low Channel(30MHz~5.3GHz)



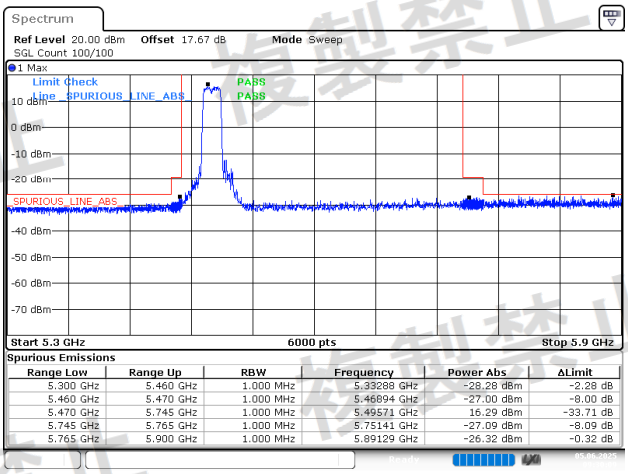
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:37:36

802.11n20, Low Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:38:17

802.11n20, Low Channel(5.3GHz~5.9GHz)

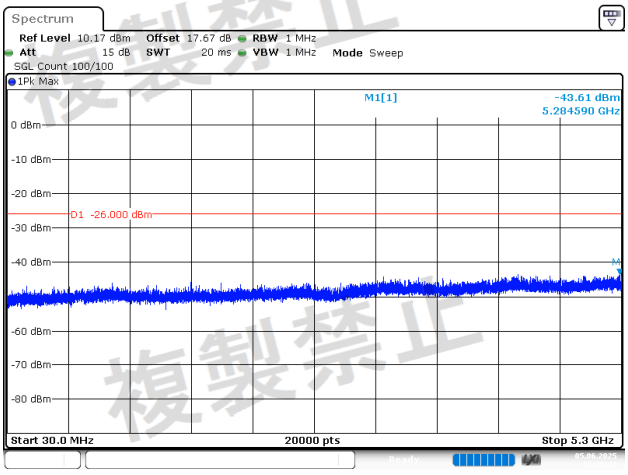


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.33288 GHz	-28.28 dBm	-2.28 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46894 GHz	-27.00 dBm	-8.00 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.49571 GHz	16.29 dBm	-33.71 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.75141 GHz	-27.09 dBm	-8.09 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.89129 GHz	-26.32 dBm	-0.32 dB

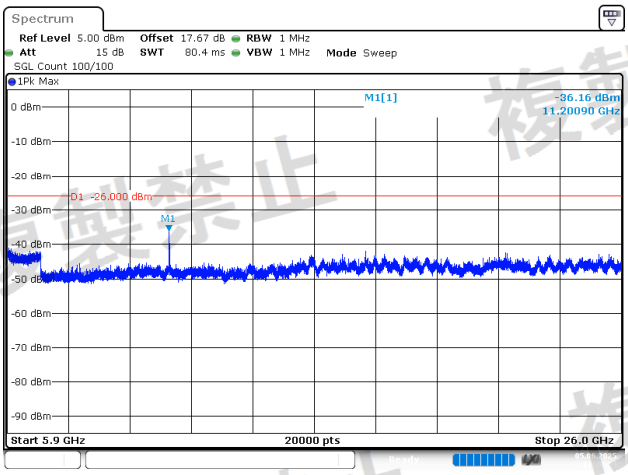
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:30:08

802.11n20, Middle Channel(30MHz~5.3GHz)



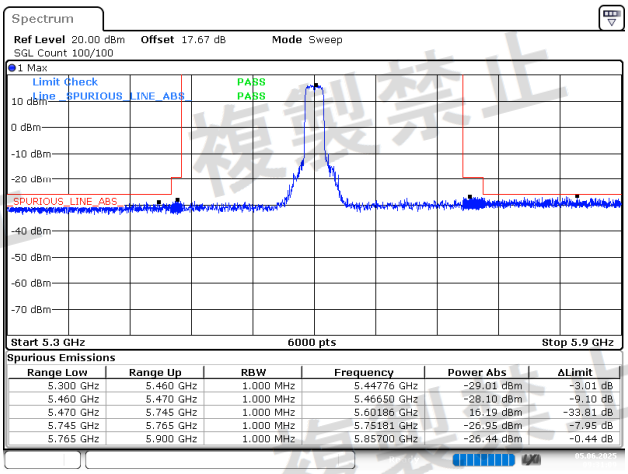
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:39:42

802.11n20, Middle Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:40:23

802.11n20, Middle Channel(5.3GHz~5.9GHz)

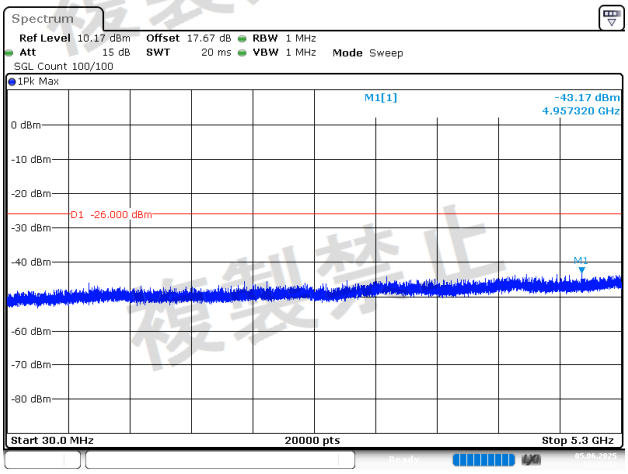


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.44776 GHz	-29.01 dBm	-3.01 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46650 GHz	-28.10 dBm	-9.10 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.60186 GHz	16.19 dBm	-33.81 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.75181 GHz	-26.95 dBm	-7.95 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.85700 GHz	-26.44 dBm	-0.44 dB

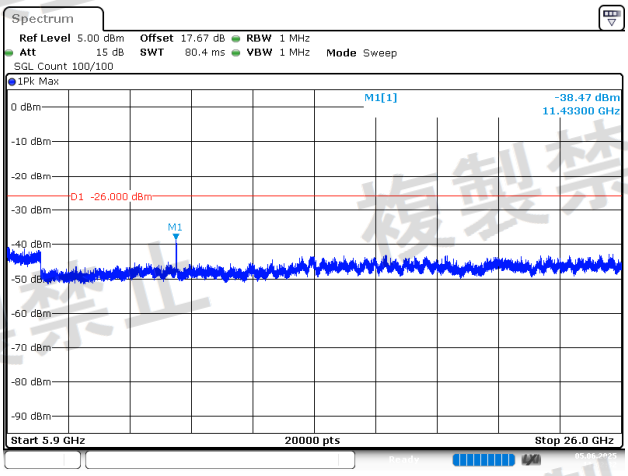
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:31:10

802.11n20, High Channel(30MHz~5.3GHz)



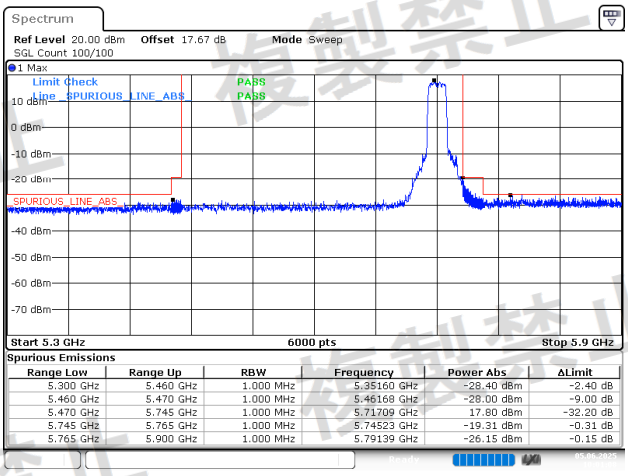
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:41:51

802.11n20, High Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:42:32

802.11n20, High Channel(5.3GHz~5.9GHz)

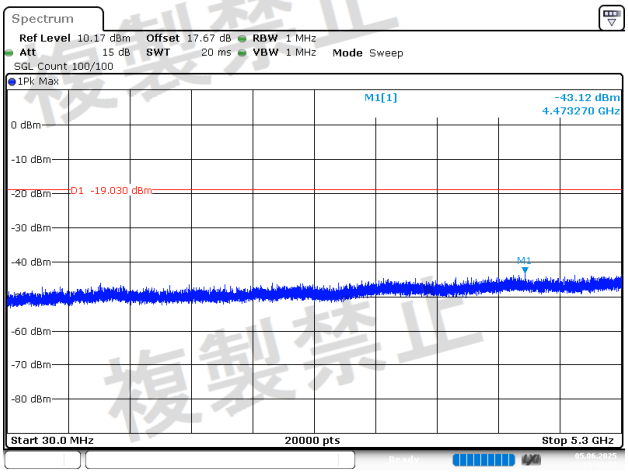


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.35160 GHz	-28.40 dBm	-2.40 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46168 GHz	-28.00 dBm	-9.00 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.71709 GHz	17.80 dBm	-32.20 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.74523 GHz	-19.31 dBm	-0.31 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.79139 GHz	-26.15 dBm	-0.15 dB

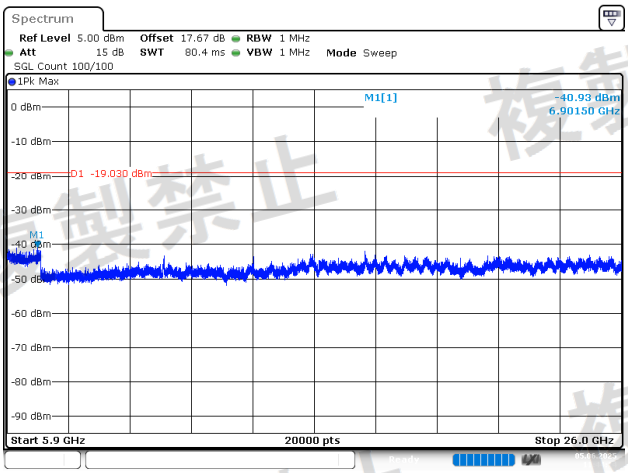
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:01:07

802.11n40, Low Channel(30MHz~5.3GHz)



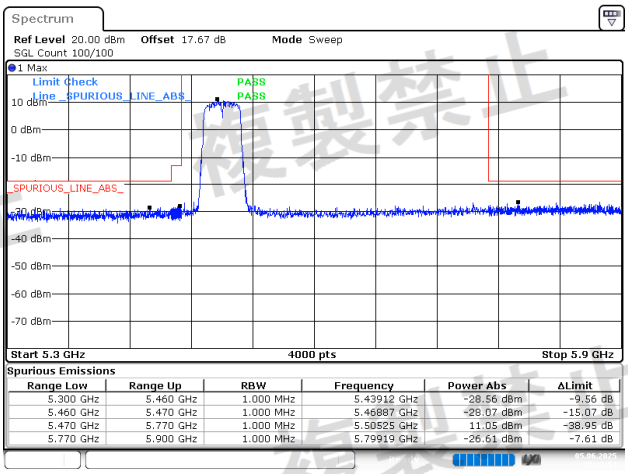
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:43:32

802.11n40, Low Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:44:13

802.11n40, Low Channel(5.3GHz~5.9GHz)

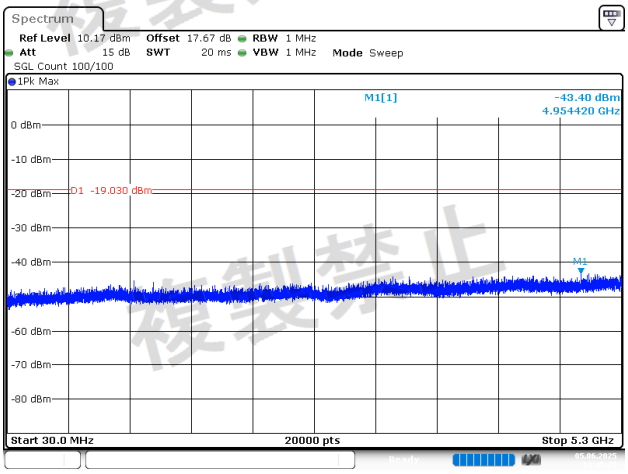


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.43912 GHz	-28.56 dBm	-9.56 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46887 GHz	-28.07 dBm	-15.07 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.50525 GHz	11.05 dBm	-38.95 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.79919 GHz	-26.61 dBm	-7.61 dB

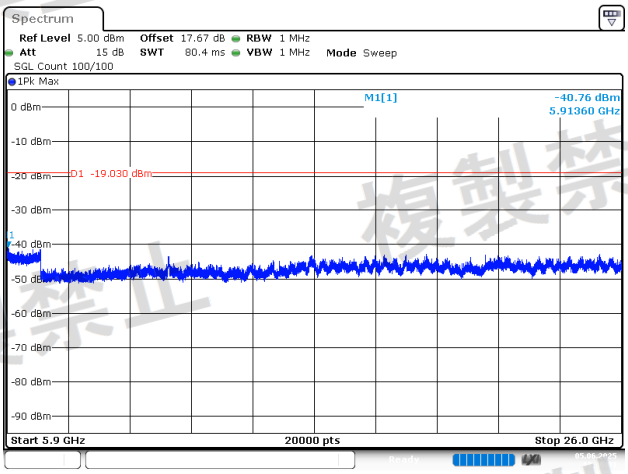
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:33:54

802.11n40, Middle Channel(30MHz~5.3GHz)



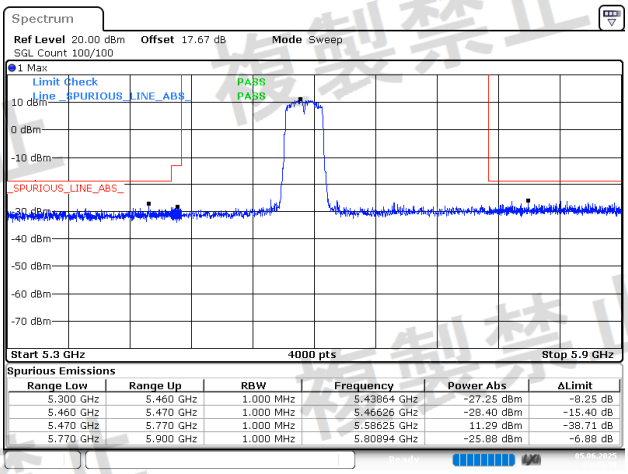
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:45:20

802.11n40, Middle Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:46:00

802.11n40, Middle Channel(5.3GHz~5.9GHz)

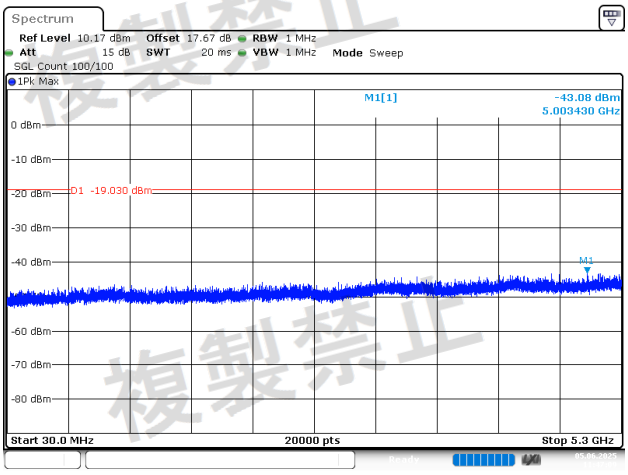


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.43864 GHz	-27.25 dBm	-8.25 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46626 GHz	-28.40 dBm	-15.40 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.58625 GHz	11.29 dBm	-38.71 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.80894 GHz	-25.88 dBm	-6.88 dB

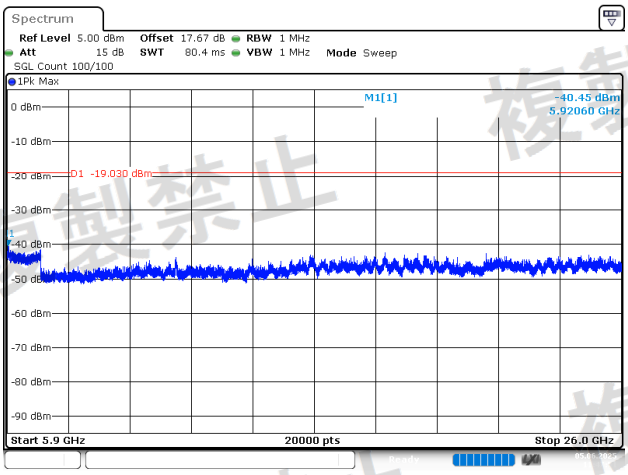
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:34:59

802.11n40, High Channel(30MHz~5.3GHz)



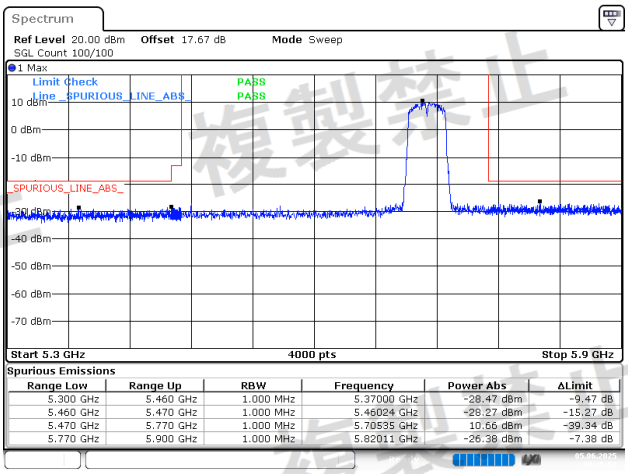
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:47:10

802.11n40, High Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:47:51

802.11n40, High Channel(5.3GHz~5.9GHz)

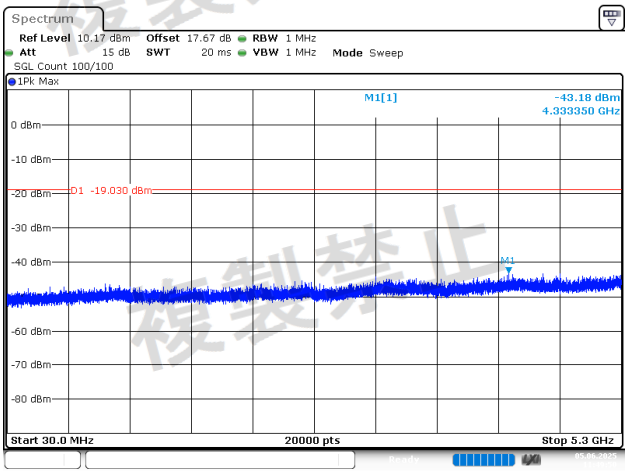


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.37000 GHz	-28.47 dBm	-9.47 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46024 GHz	-28.27 dBm	-15.27 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.70535 GHz	10.66 dBm	-39.34 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.82011 GHz	-26.38 dBm	-7.38 dB

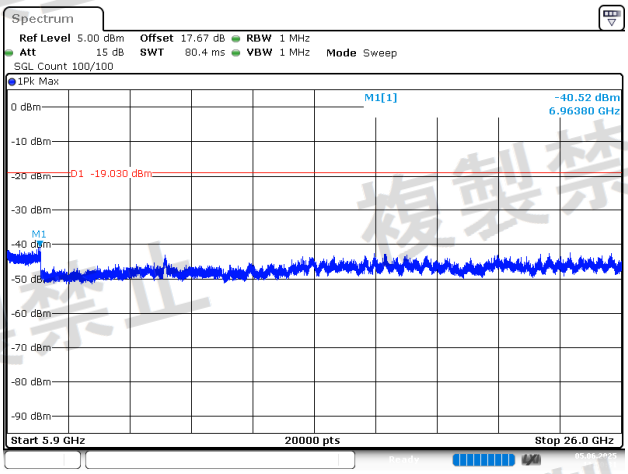
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:35:53

802.11ac80, Low Channel(30MHz~5.3GHz)



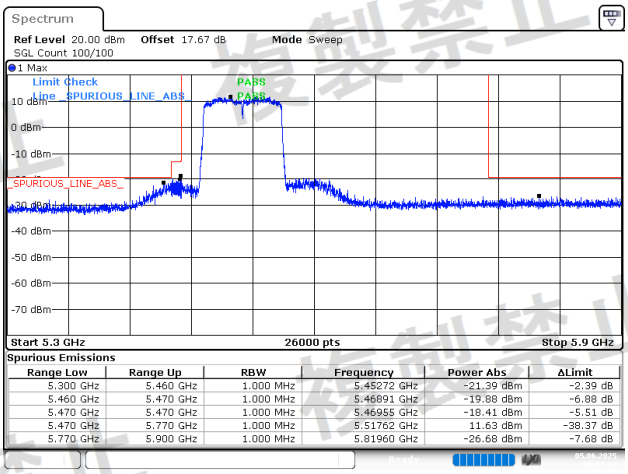
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:49:50

802.11ac80, Low Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:50:32

802.11ac80, Low Channel(5.3GHz~5.9GHz)

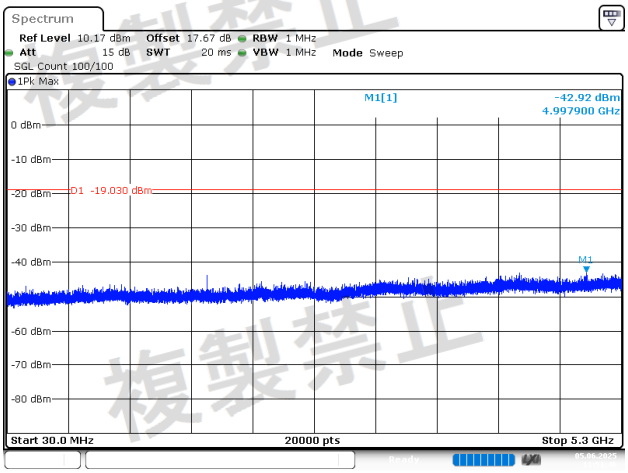


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.45272 GHz	-21.39 dBm	-2.39 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46891 GHz	-19.88 dBm	-6.88 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46955 GHz	-18.41 dBm	-5.51 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.51762 GHz	11.63 dBm	-38.37 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.81960 GHz	-26.68 dBm	-7.68 dB

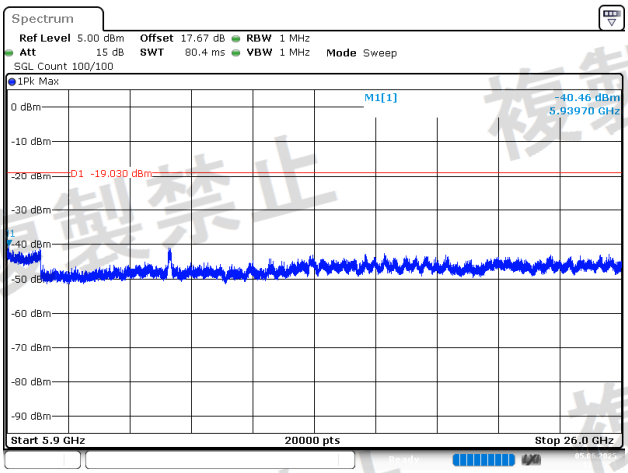
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:57:15

802.11ac80, Middle Channel(30MHz~5.3GHz)



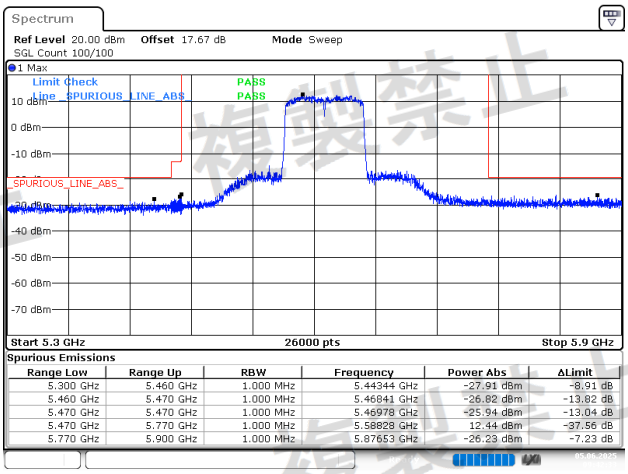
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:51:46

802.11ac80, Middle Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:52:27

802.11ac80, Middle Channel(5.3GHz~5.9GHz)

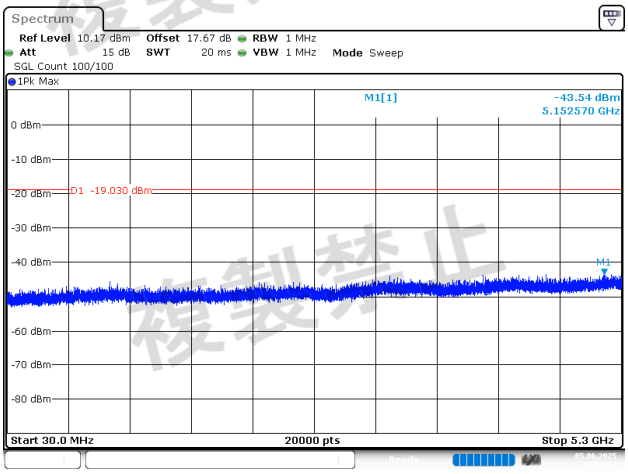


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.44344 GHz	-27.91 dBm	-8.91 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46841 GHz	-26.82 dBm	-13.82 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46978 GHz	-25.94 dBm	-13.04 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.58828 GHz	12.44 dBm	-37.56 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.87653 GHz	-26.23 dBm	-7.23 dB

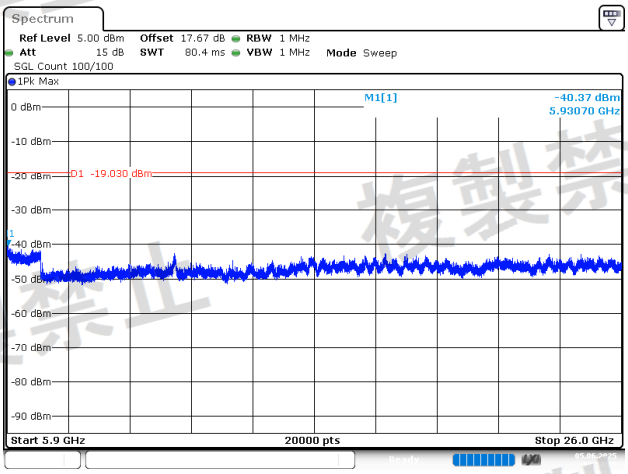
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:42:32

802.11ac80, High Channel(30MHz~5.3GHz)



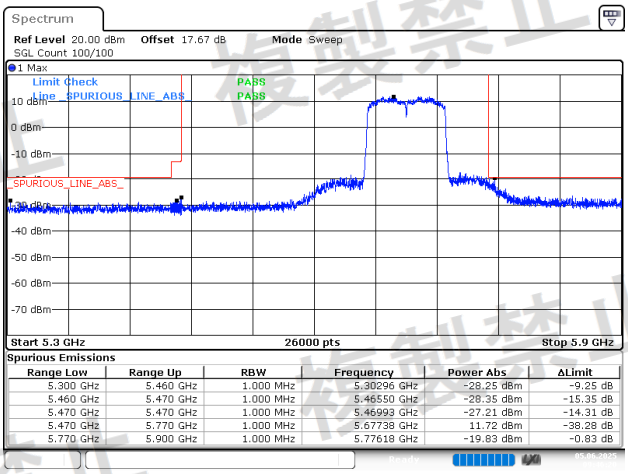
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:53:24

802.11ac80, High Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:54:06

802.11ac80, High Channel(5.3GHz~5.9GHz)



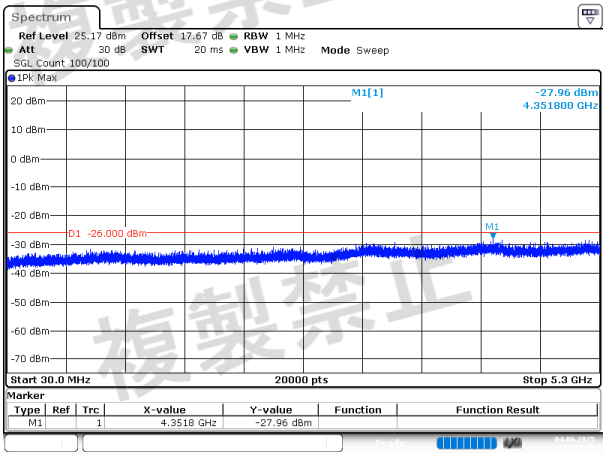
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.30296 GHz	-28.25 dBm	-9.25 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46550 GHz	-28.35 dBm	-15.35 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46993 GHz	-27.21 dBm	-14.31 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.67738 GHz	11.72 dBm	-38.28 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.77618 GHz	-19.83 dBm	-0.83 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 09:46:19

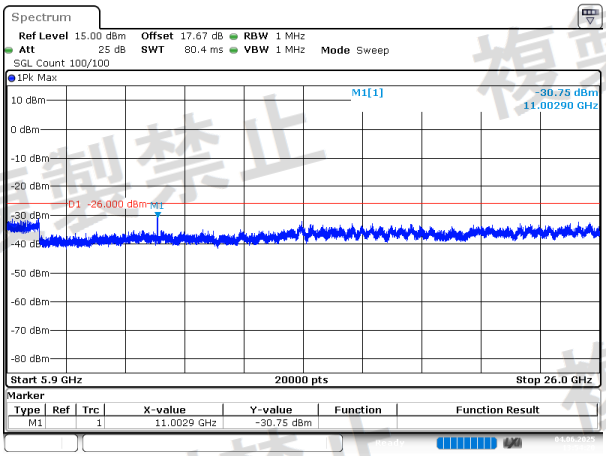
W56, Chain 1, Test Condition: NV

802.11a, Low Channel(30MHz~5.3GHz)



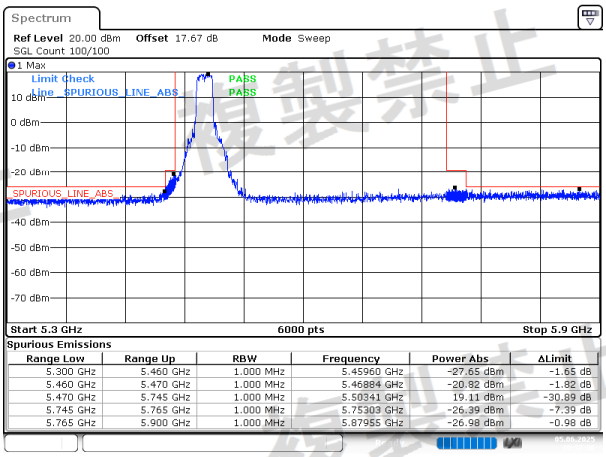
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:53:39

802.11a, Low Channel(5.9GHz~26GHz)



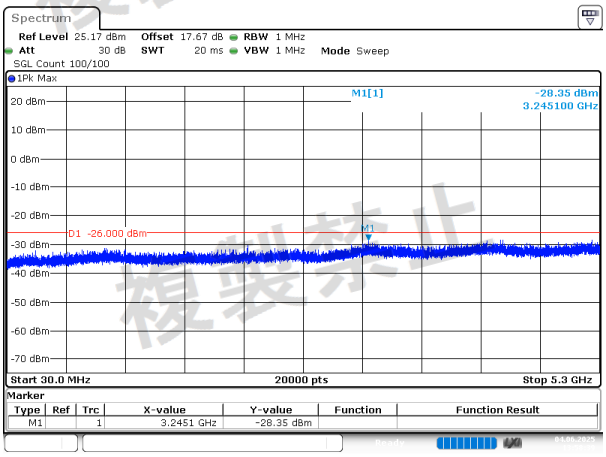
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:54:20

802.11a, Low Channel(5.3GHz~5.9GHz)



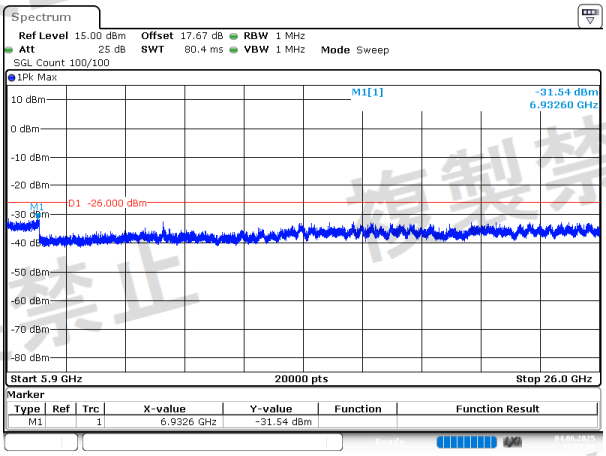
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:37:36

802.11a, Middle Channel(30MHz~5.3GHz)



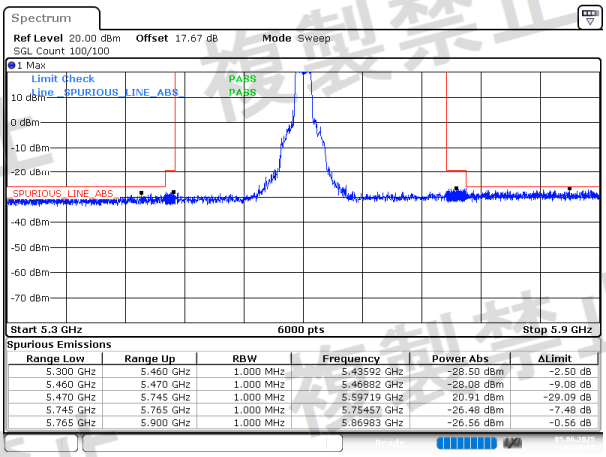
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:58:39

802.11a, Middle Channel(5.9GHz~26GHz)



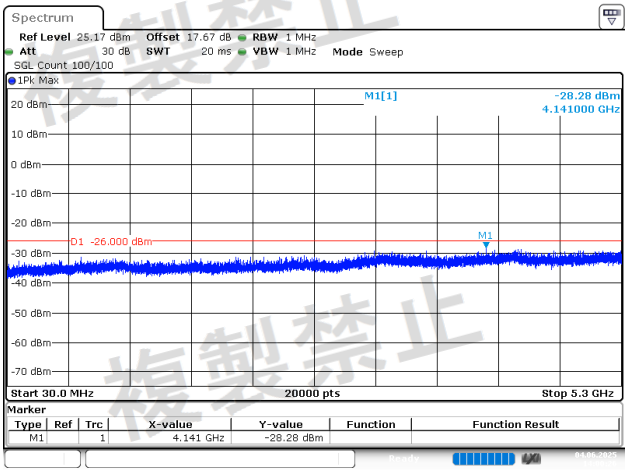
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:59:19

802.11a, Middle Channel(5.3GHz~5.9GHz)



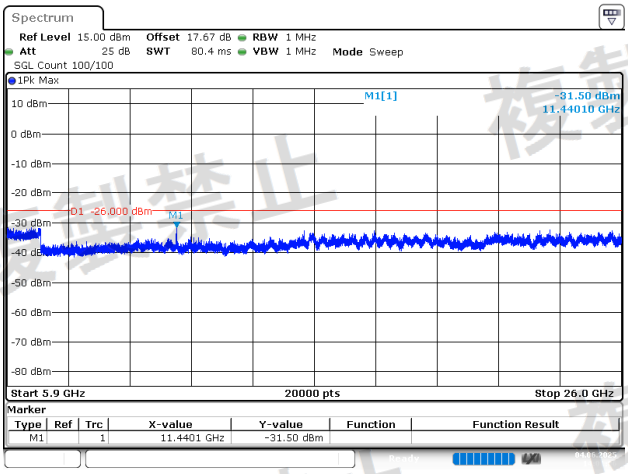
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:39:59

802.11a, High Channel(30MHz~5.3GHz)



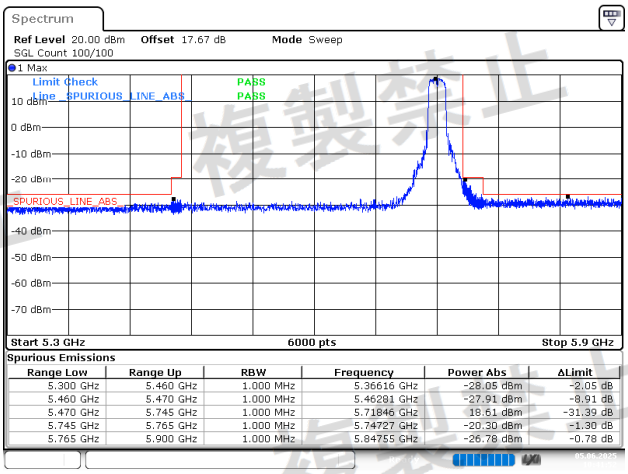
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:00:26

802.11a, High Channel(5.9GHz~26GHz)



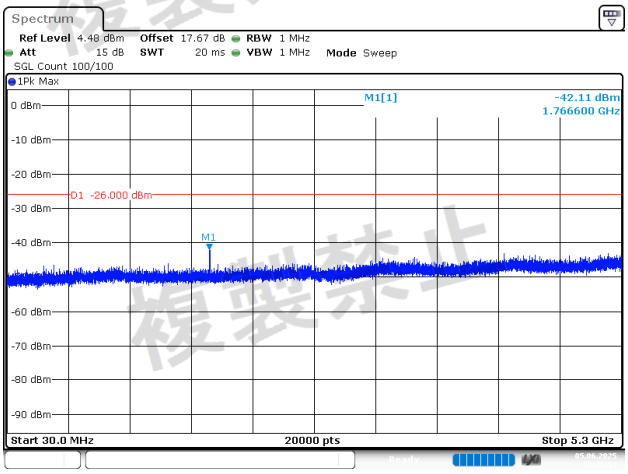
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:01:06

802.11a, High Channel(5.3GHz~5.9GHz)



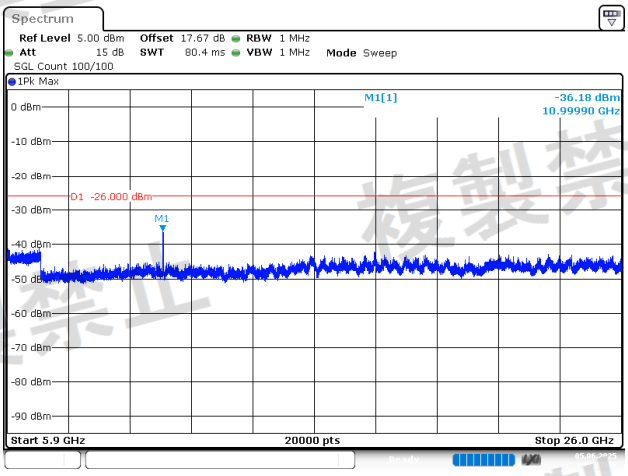
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:41:52

802.11n20, Low Channel(30MHz~5.3GHz)



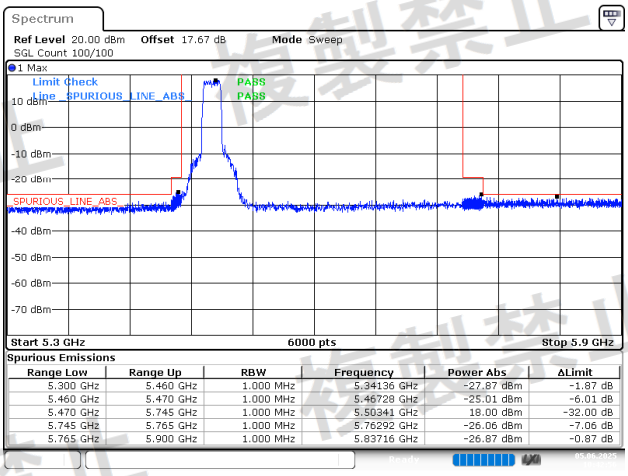
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:46:54

802.11n20, Low Channel(5.9GHz~26GHz)



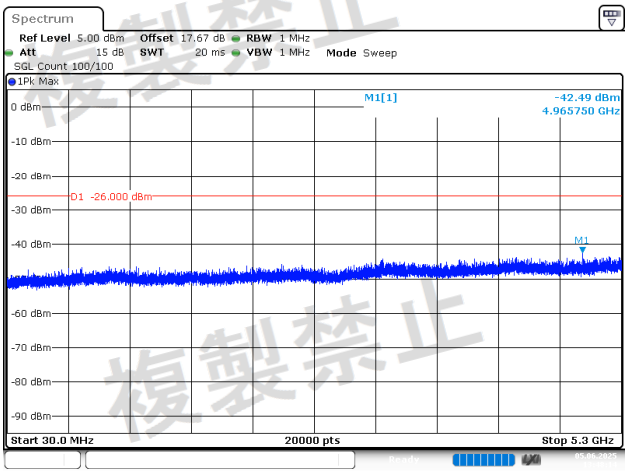
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:47:33

802.11n20, Low Channel(5.3GHz~5.9GHz)



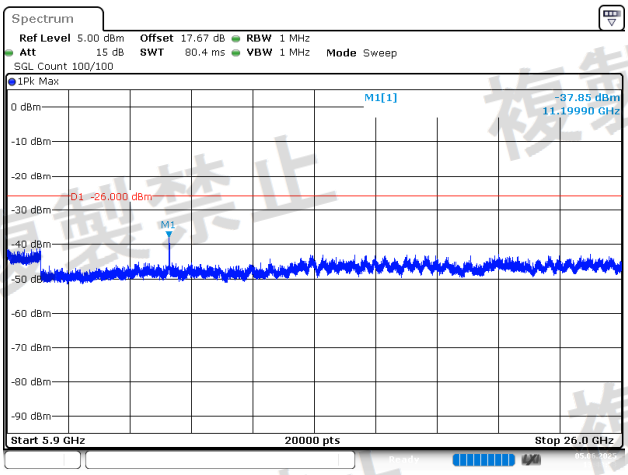
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:42:56

802.11n20, Middle Channel(30MHz~5.3GHz)



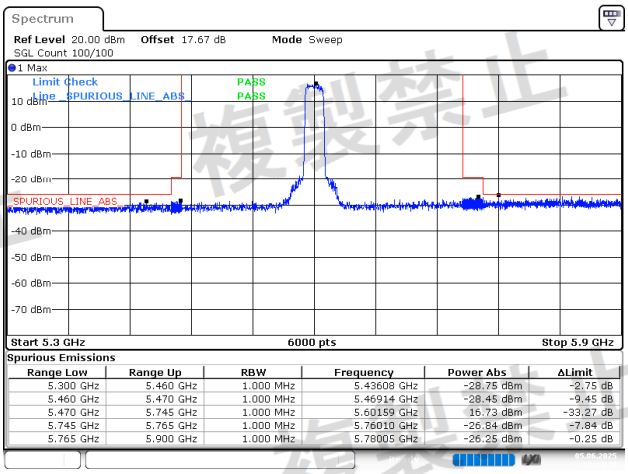
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:48:14

802.11n20, Middle Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:48:53

802.11n20, Middle Channel(5.3GHz~5.9GHz)

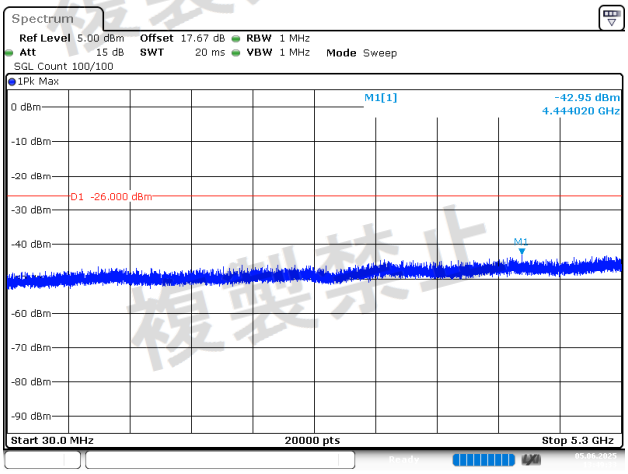


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.43608 GHz	-28.75 dBm	-2.75 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46914 GHz	-28.45 dBm	-9.45 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.60159 GHz	16.73 dBm	-33.27 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.76010 GHz	-26.84 dBm	-7.84 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.78005 GHz	-26.25 dBm	-0.25 dB

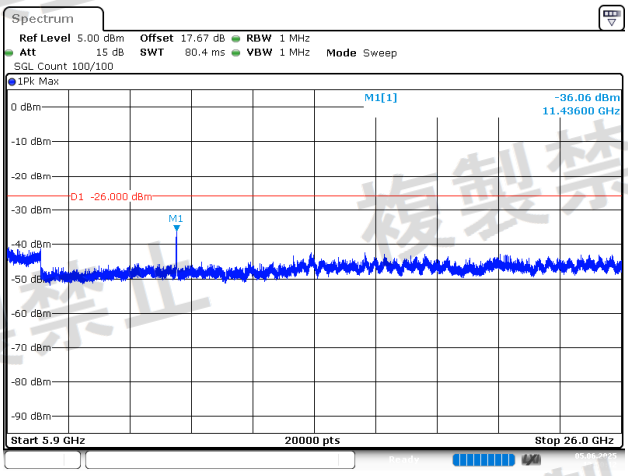
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:44:38

802.11n20, High Channel(30MHz~5.3GHz)



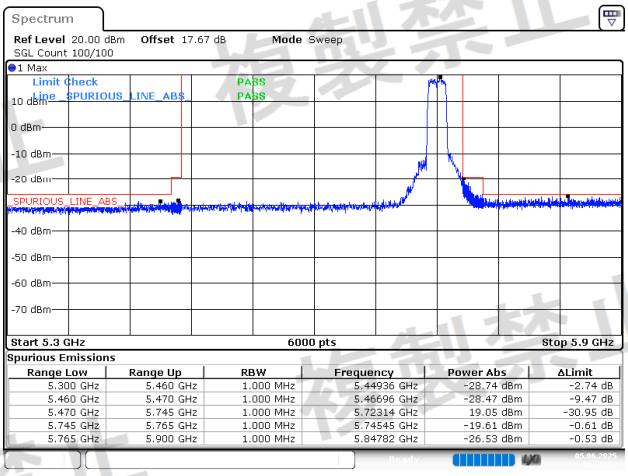
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:49:33

802.11n20, High Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:50:13

802.11n20, High Channel(5.3GHz~5.9GHz)

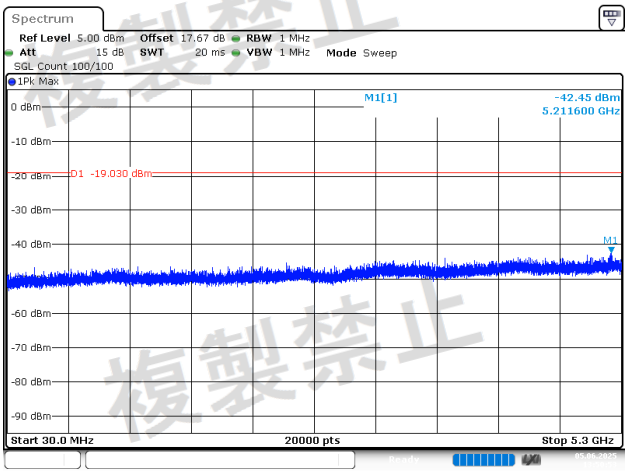


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.44936 GHz	-28.74 dBm	-2.74 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46696 GHz	-28.47 dBm	-9.47 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.72314 GHz	19.05 dBm	-30.95 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.74545 GHz	-19.61 dBm	-0.61 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.84782 GHz	-26.53 dBm	-0.53 dB

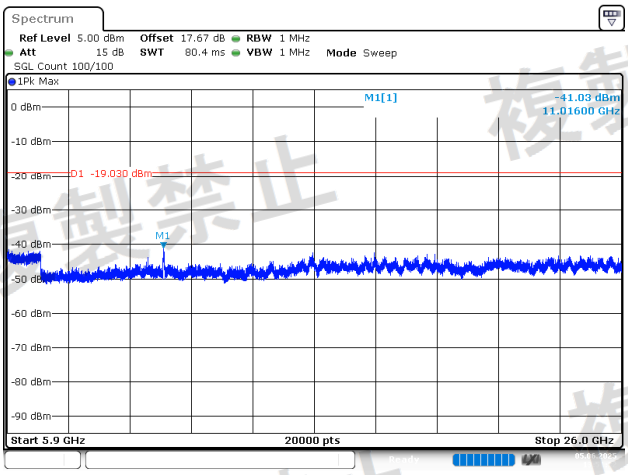
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:45:50

802.11n40, Low Channel(30MHz~5.3GHz)



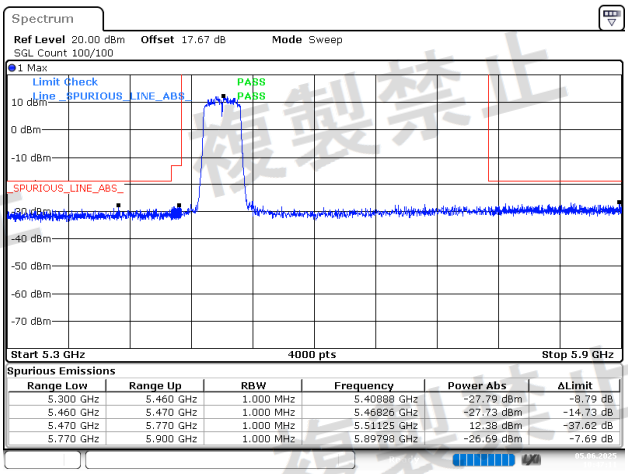
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:50:53

802.11n40, Low Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:51:32

802.11n40, Low Channel(5.3GHz~5.9GHz)

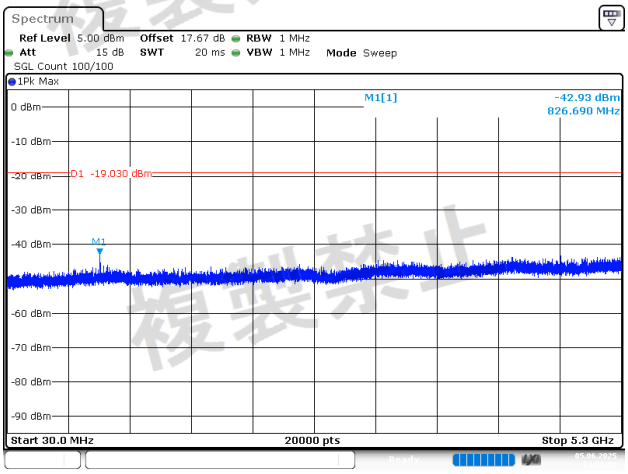


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.40888 GHz	-27.79 dBm	-8.79 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46826 GHz	-27.73 dBm	-14.73 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.51125 GHz	12.38 dBm	-37.62 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.89798 GHz	-26.69 dBm	-7.69 dB

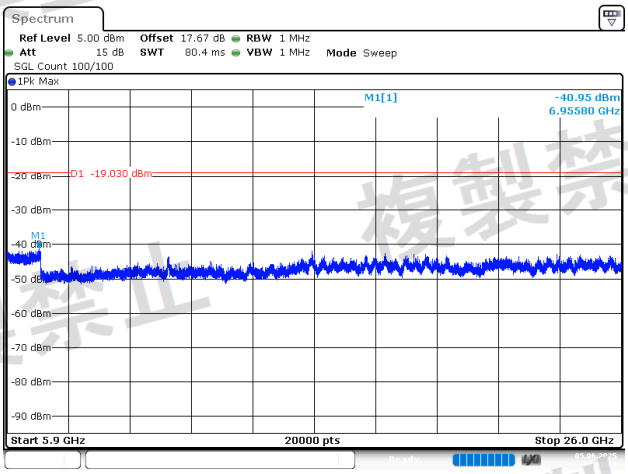
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:47:11

802.11n40, Middle Channel(30MHz~5.3GHz)



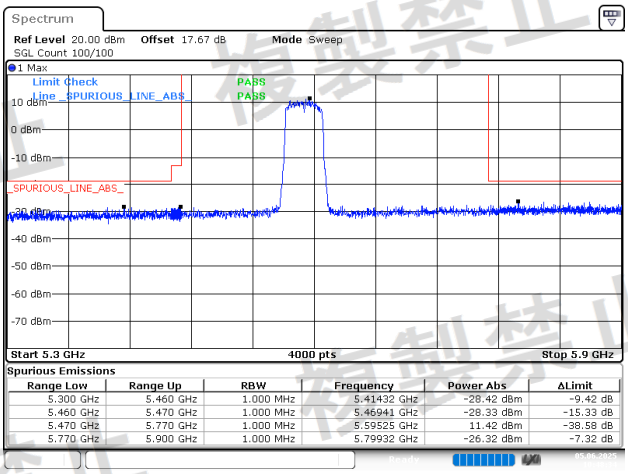
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:00:52

802.11n40, Middle Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:01:31

802.11n40, Middle Channel(5.3GHz~5.9GHz)

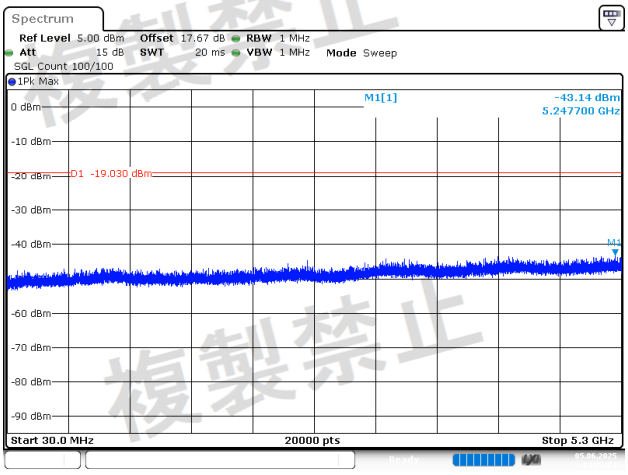


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.41432 GHz	-28.42 dBm	-9.42 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46941 GHz	-28.33 dBm	-15.33 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.59525 GHz	11.42 dBm	-38.58 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.79932 GHz	-26.32 dBm	-7.32 dB

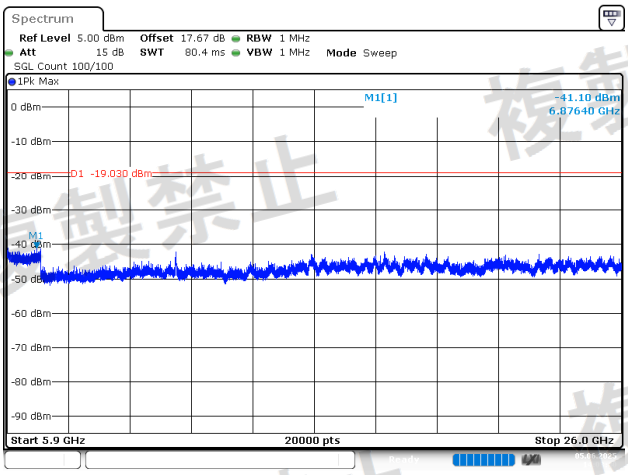
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:48:35

802.11n40, High Channel(30MHz~5.3GHz)



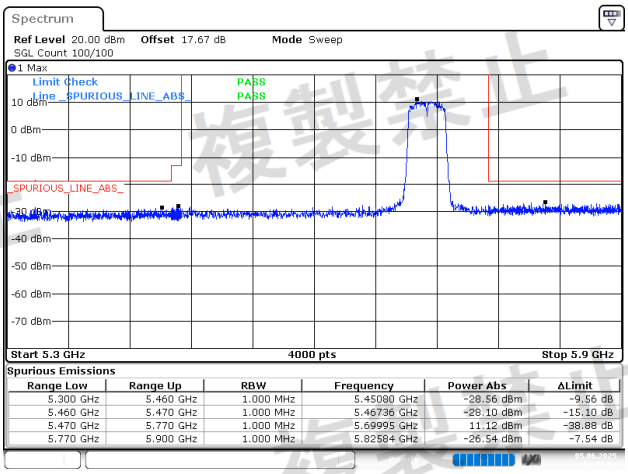
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:03:01

802.11n40, High Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:03:40

802.11n40, High Channel(5.3GHz~5.9GHz)

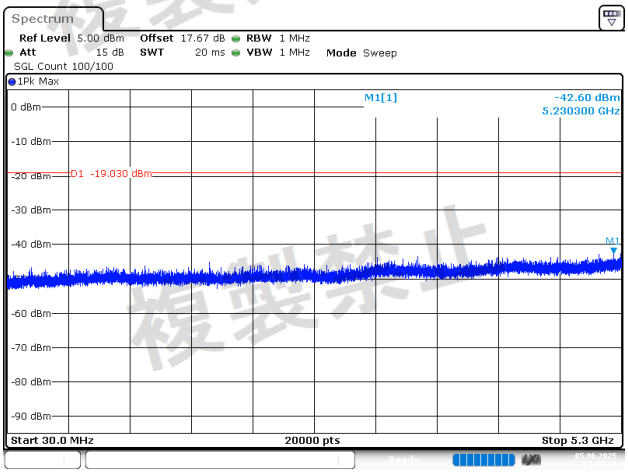


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.45080 GHz	-28.56 dBm	-9.56 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46736 GHz	-28.10 dBm	-15.10 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.69995 GHz	11.12 dBm	-38.88 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.82584 GHz	-26.54 dBm	-7.54 dB

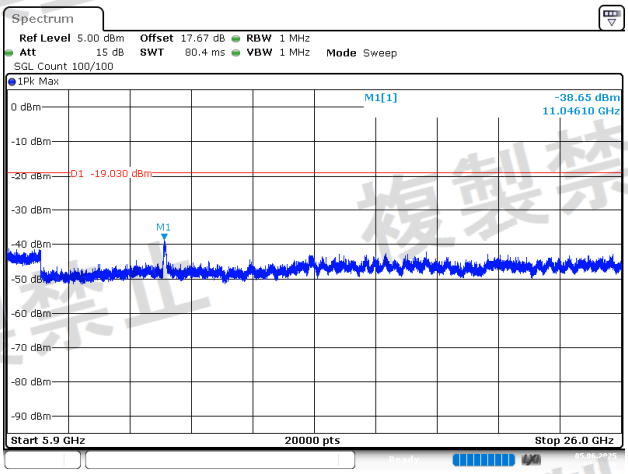
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:50:04

802.11ac80, Low Channel(30MHz~5.3GHz)



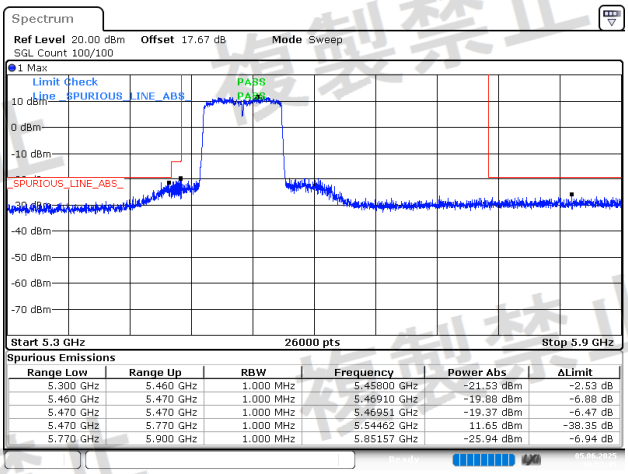
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:04:22

802.11ac80, Low Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:05:01

802.11ac80, Low Channel(5.3GHz~5.9GHz)

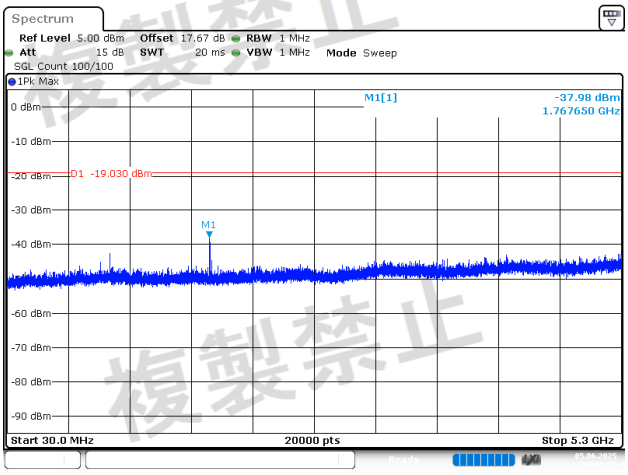


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.45800 GHz	-21.53 dBm	-2.53 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46910 GHz	-19.88 dBm	-6.88 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46951 GHz	-19.37 dBm	-6.47 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.54462 GHz	11.65 dBm	-38.35 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.85157 GHz	-25.94 dBm	-6.94 dB

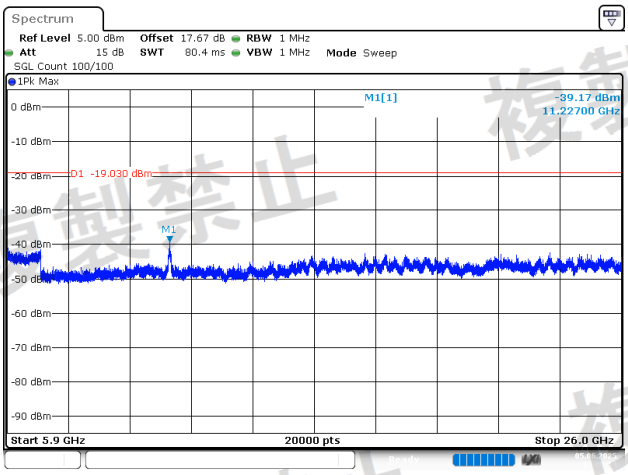
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:52:45

802.11ac80, Middle Channel(30MHz~5.3GHz)



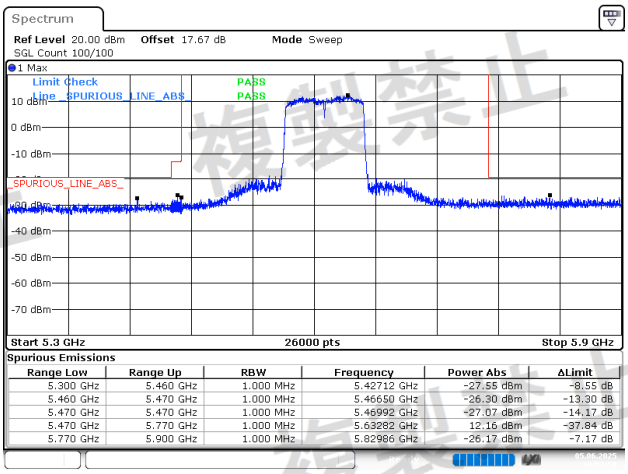
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:05:35

802.11ac80, Middle Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:06:14

802.11ac80, Middle Channel(5.3GHz~5.9GHz)

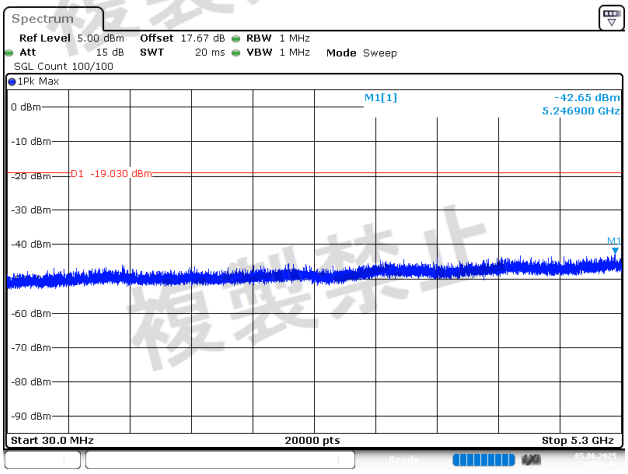


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.42712 GHz	-27.55 dBm	-8.55 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46650 GHz	-26.30 dBm	-13.30 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46992 GHz	-27.07 dBm	-14.17 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.63282 GHz	12.16 dBm	-37.84 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.82986 GHz	-26.17 dBm	-7.17 dB

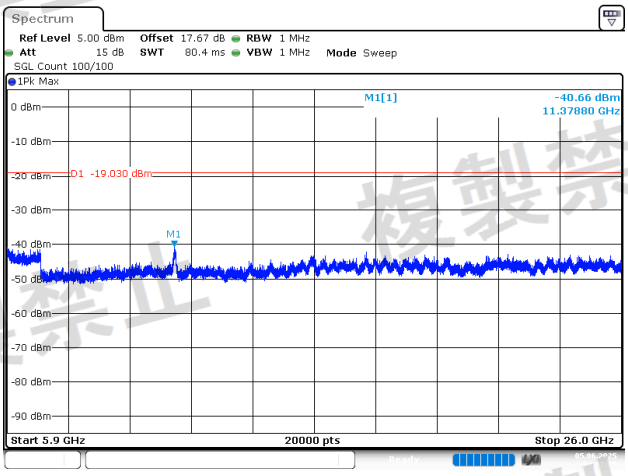
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:53:57

802.11ac80, High Channel(30MHz~5.3GHz)



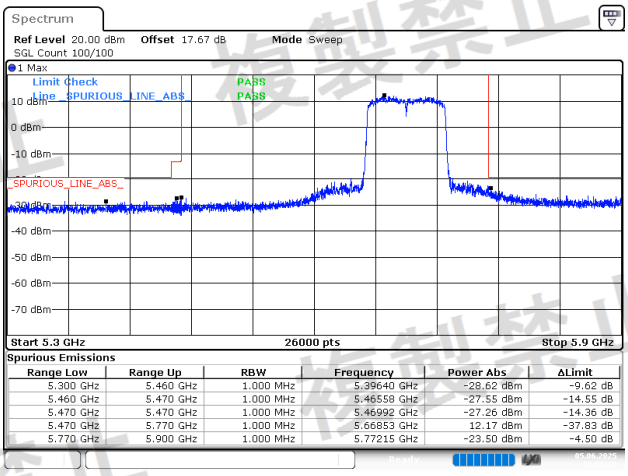
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:06:46

802.11ac80, High Channel(5.9GHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:07:25

802.11ac80, High Channel(5.3GHz~5.9GHz)



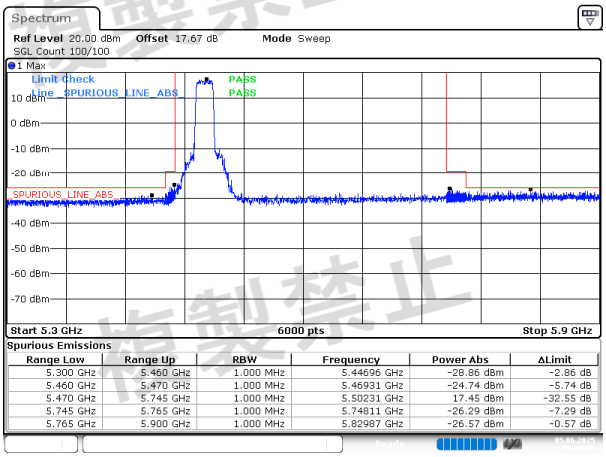
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.39640 GHz	-28.62 dBm	-9.62 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46558 GHz	-27.55 dBm	-14.55 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46992 GHz	-27.26 dBm	-14.36 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.66853 GHz	12.17 dBm	-37.83 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.77215 GHz	-23.50 dBm	-4.50 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:56:19

W56, Chain 0+Chain 1, Test Condition: NV

802.11n20, Low Channel(5.3GHz~5.9GHz)

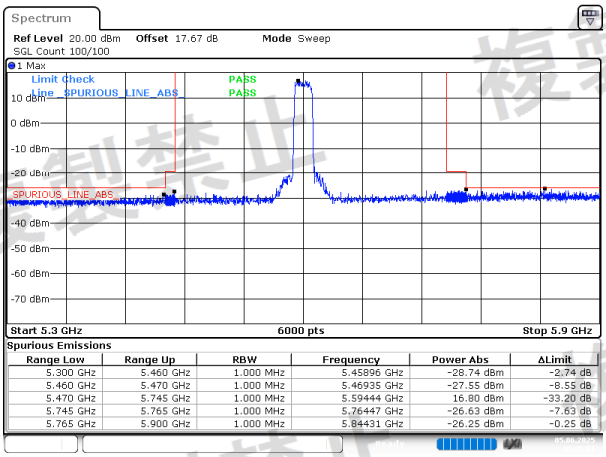


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.44696 GHz	-28.86 dBm	-2.86 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46931 GHz	-24.74 dBm	-5.74 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.50231 GHz	17.45 dBm	-32.55 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.74811 GHz	-26.29 dBm	-7.29 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.82987 GHz	-26.57 dBm	-0.57 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:43:47

802.11n20, Middle Channel(5.3GHz~5.9GHz)

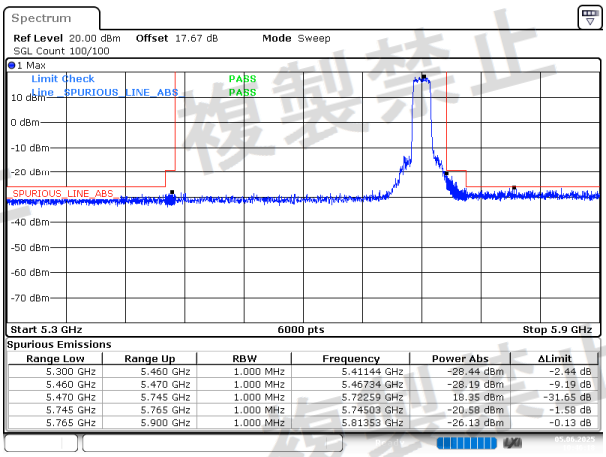


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.45896 GHz	-28.74 dBm	-2.74 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46935 GHz	-27.55 dBm	-8.55 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.59444 GHz	16.80 dBm	-33.20 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.76447 GHz	-26.63 dBm	-7.63 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.84431 GHz	-26.25 dBm	-0.25 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:45:00

802.11n20, High Channel(5.3GHz~5.9GHz)

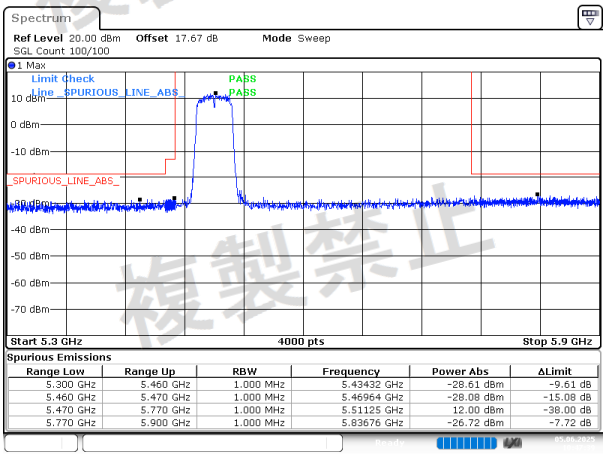


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.41144 GHz	-28.44 dBm	-2.44 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46734 GHz	-28.19 dBm	-9.19 dB
5.470 GHz	5.745 GHz	1.000 MHz	5.72259 GHz	18.35 dBm	-31.65 dB
5.745 GHz	5.765 GHz	1.000 MHz	5.74503 GHz	-20.58 dBm	-1.58 dB
5.765 GHz	5.900 GHz	1.000 MHz	5.81353 GHz	-26.13 dBm	-0.13 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:46:18

802.11n40, Low Channel(5.3GHz~5.9GHz)

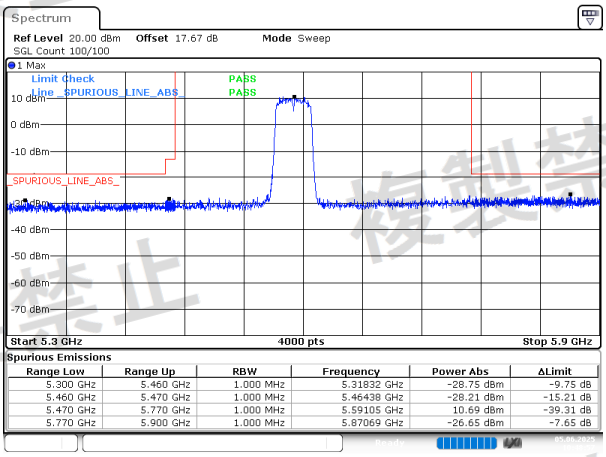


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.43432 GHz	-28.61 dBm	-9.61 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46964 GHz	-28.08 dBm	-15.08 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.51125 GHz	12.00 dBm	-38.00 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.83676 GHz	-26.72 dBm	-7.72 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:47:38

802.11n40, Middle Channel(5.3GHz~5.9GHz)

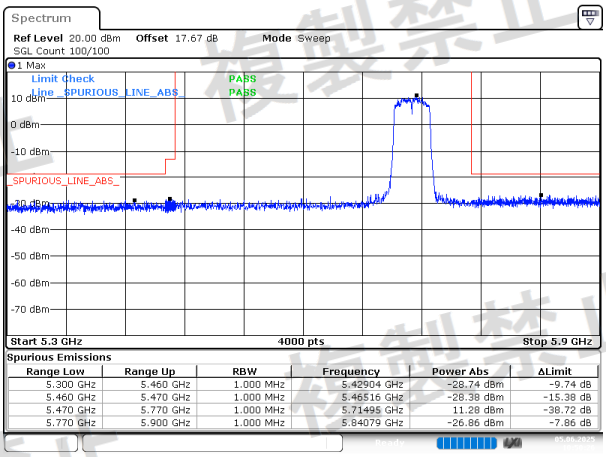


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.31832 GHz	-28.75 dBm	-9.75 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46438 GHz	-28.21 dBm	-15.21 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.59105 GHz	10.69 dBm	-39.31 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.87069 GHz	-26.65 dBm	-7.65 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:48:58

802.11n40, High Channel(5.3GHz~5.9GHz)

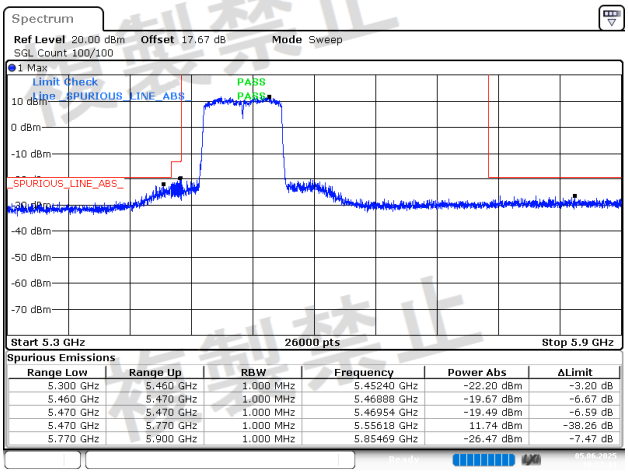


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.42904 GHz	-28.74 dBm	-9.74 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46516 GHz	-28.38 dBm	-15.38 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.71495 GHz	11.28 dBm	-38.72 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.84079 GHz	-26.86 dBm	-7.86 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:50:25

802.11ac80, Low Channel(5.3GHz~5.9GHz)

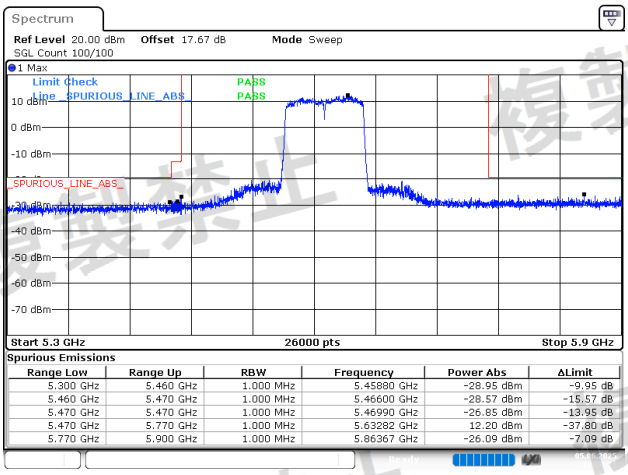


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.45240 GHz	-22.20 dBm	-3.20 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46888 GHz	-19.67 dBm	-6.67 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46954 GHz	-19.49 dBm	-6.59 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.55618 GHz	11.74 dBm	-38.26 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.85469 GHz	-26.47 dBm	-7.47 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:53:11

802.11ac80, Middle Channel(5.3GHz~5.9GHz)

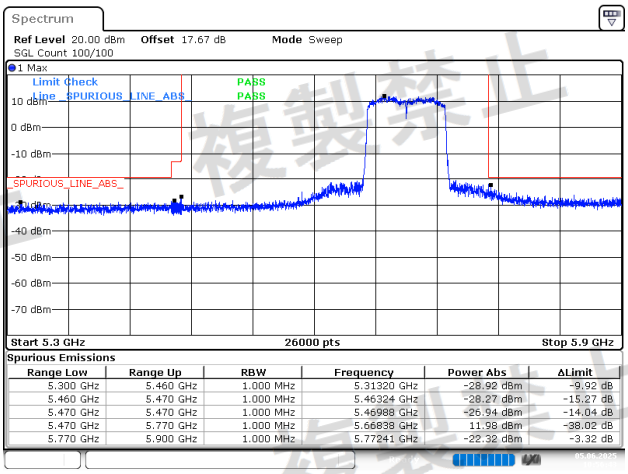


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.45880 GHz	-28.95 dBm	-9.95 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46600 GHz	-28.57 dBm	-15.57 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46990 GHz	-26.85 dBm	-13.95 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.63282 GHz	12.20 dBm	-37.80 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.86367 GHz	-26.09 dBm	-7.09 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:54:21

802.11ac80, High Channel(5.3GHz~5.9GHz)



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
5.300 GHz	5.460 GHz	1.000 MHz	5.31320 GHz	-28.92 dBm	-9.92 dB
5.460 GHz	5.470 GHz	1.000 MHz	5.46324 GHz	-28.27 dBm	-15.27 dB
5.470 GHz	5.470 GHz	1.000 MHz	5.46988 GHz	-26.94 dBm	-14.04 dB
5.470 GHz	5.770 GHz	1.000 MHz	5.66838 GHz	11.98 dBm	-38.02 dB
5.770 GHz	5.900 GHz	1.000 MHz	5.77241 GHz	-22.32 dBm	-3.32 dB

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 10:56:42

Output Power and Output Power Tolerance

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025/06/03~2025/06/04
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.8	**Relative Humidity: (%)**	61~72	**ATM Pressure: (kPa)**	99.7~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2024/08/27	2025/08/26	BACL Metrology	C
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV
W52

Antenna	Mode	Antenna gain (dBi)	Declared power (mW/MHz)
Chain 0	802.11a	5.69	2.6
Chain 1	802.11a	5.69	2.6
Chain 0+Chain 1	802.11n20	5.69	2.6
	802.11n40	5.69	1.3
	802.11ac80	5.69	0.6

Antenna	Mode	Channel	Antenna output power (dBm/MHz)	Antenna output power(mW/MHz)		Antenna output tolerance (%)		EIRP (mW/MHz)		Verdict
				Result	Limit	Result	Limit	Result	Limit	
Chain 0	802.11a	Low	4.06	2.547	≤ 10	-2.04	-80~+20	9.44	10	Pass
		Middle	4.18	2.618	≤ 10	0.69	-80~+20	9.70	10	Pass
		High	3.99	2.506	≤ 10	-3.62	-80~+20	9.29	10	Pass
Chain 1	802.11a	Low	3.74	2.366	≤ 10	-9.00	-80~+20	8.77	10	Pass
		Middle	4.10	2.570	≤ 10	-1.15	-80~+20	9.53	10	Pass
		High	4.21	2.636	≤ 10	1.38	-80~+20	9.77	10	Pass

Antenna	Mode	Channel	Antenna output power(dBm/MHz)		Antenna output power(mW/MHz)		Antenna output tolerance (%)		EIRP (mW/MHz)		Verdict
			Chain 0	Chain 1	Result	Limit	Result	Limit	Result	Limit	
Chain 0+Chain 1	802.11n20	Low	-0.64	1.40	2.244	≤ 10	-13.69	-80~+20	8.32	10	Pass
		Middle	-0.18	1.74	2.455	≤ 10	-5.58	-80~+20	9.10	10	Pass
		High	0.60	1.80	2.661	≤ 10	2.35	-80~+20	9.86	10	Pass
	802.11n40	Low	-1.98	-1.62	1.321	≤ 5	1.62	-80~+20	4.90	5	Pass
		High	-2.29	-1.60	1.282	≤ 5	-1.38	-80~+20	4.75	5	Pass
	802.11ac80	Middle	-5.83	-5.03	0.575	≤ 2.5	-4.17	-80~+20	2.13	2.5	Pass

W53

Antenna	Mode	Antenna gain (dBi)	Declared power (mW/MHz)
Chain 0	802.11a	5.69	1.3
Chain 1	802.11a	5.69	1.3
Chain 0+Chain 1	802.11n20	5.69	1.2
	802.11n40	5.69	0.6
	802.11ac80	5.69	0.3

Antenna	Mode	Channel	Antenna output power (dBm/MHz)	Antenna output power(mW/MHz)		Antenna output tolerance(%)		EIRP (mW/MHz)		Verdict
				Result	Limit	Result	Limit	Result	Limit	
Chain 0	802.11a	Low	0.50	1.122	≤ 10	-13.69	-80~+20	4.16	5	Pass
		Middle	0.63	1.156	≤ 10	-11.08	-80~+20	4.29	5	Pass
		High	0.84	1.213	≤ 10	-6.69	-80~+20	4.50	5	Pass
Chain 1	802.11a	Low	0.67	1.167	≤ 10	-10.23	-80~+20	4.33	5	Pass
		Middle	0.49	1.119	≤ 10	-13.92	-80~+20	4.15	5	Pass
		High	0.15	1.035	≤ 10	-20.38	-80~+20	3.84	5	Pass

Antenna	Mode	Channel	Antenna output power(dBm/MHz)		Antenna output power(mW/MHz)		Antenna output tolerance(%)		EIRP (mW/MHz)		Verdict
			Chain 0	Chain 1	Result	Limit	Result	Limit	Result	Limit	
Chain 0+Chain 1	802.11n20	Low	-2.62	-2.02	1.175	≤ 10	-2.08	-80~+20	4.36	5	Pass
		Middle	-2.38	-2.24	1.175	≤ 10	-2.08	-80~+20	4.36	5	Pass
		High	-2.16	-2.57	1.161	≤ 10	-3.25	-80~+20	4.30	5	Pass
	802.11n40	Low	-5.47	-5.45	0.569	≤ 5	-5.17	-80~+20	2.11	2.5	Pass
		High	-5.33	-5.34	0.586	≤ 5	-2.33	-80~+20	2.17	2.5	Pass
	802.11ac80	Middle	-8.59	-9.12	0.261	≤ 2.5	-13.00	-80~+20	0.97	1.25	Pass

W56

Antenna	Mode	Antenna gain (dBi)	Declared power (mW/MHz)
Chain 0	802.11a	5.17	7.1
Chain 1	802.11a	5.17	7.1
Chain 1+Chain 0	802.11n20	5.17	6.7
	802.11n40	5.17	3.6
	802.11ac80	5.17	1.7

Antenna	Mode	Channel	Antenna output power (dBm/MHz)	Antenna output power(mW/MHz)		Antenna output tolerance (%)		EIRP (mW/MHz)		Verdict
				Result	Limit	Result	Limit	Result	Limit	
Chain 0	802.11a	Low	8.07	6.412	≤ 10	-9.69	-50~+50	21.09	25	Pass
		Middle	8.47	7.031	≤ 10	-0.97	-50~+50	23.12	25	Pass
		High	8.24	6.668	≤ 10	-6.08	-50~+50	21.93	25	Pass
Chain 1	802.11a	Low	8.38	6.887	≤ 10	-3.00	-50~+50	22.65	25	Pass
		Middle	8.20	6.607	≤ 10	-6.94	-50~+50	21.73	25	Pass
		High	8.08	6.427	≤ 10	-9.48	-50~+50	21.14	25	Pass

Antenna	Mode	Channel	Antenna output power(dBm/MHz)		Antenna output power(mW/MHz)		Antenna output tolerance (%)		EIRP (mW/MHz)		Verdict
			Chain 0	Chain 1	Result	Limit	Result	Limit	Result	Limit	
Chain 0+Chain 1	802.11n20	Low	4.99	5.50	6.699	≤ 10	-0.01	-50~+50	22.03	25	Pass
		Middle	5.61	4.75	6.622	≤ 10	-1.16	-50~+50	21.78	25	Pass
		High	5.19	4.89	6.383	≤ 10	-4.73	-50~+50	20.99	25	Pass
	802.11n40	Low	2.02	2.97	3.573	≤ 5	-0.75	-50~+50	11.75	12.5	Pass
		Middle	2.37	1.94	3.289	≤ 5	-8.64	-50~+50	10.82	12.5	Pass
		High	2.31	1.74	3.192	≤ 5	-11.33	-50~+50	10.50	12.5	Pass
	802.11ac80	Low	-1.07	-1.10	1.560	≤ 2.5	-8.24	-50~+50	5.13	6.25	Pass
		Middle	-1.08	-0.82	1.607	≤ 2.5	-5.47	-50~+50	5.28	6.25	Pass
		High	-0.59	-1.08	1.652	≤ 2.5	-2.82	-50~+50	5.43	6.25	Pass

Note:
Chain 0/Chain 1
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(mW/MHz) = 10^{[Antenna output power(dBm/MHz) + Antenna gain] / 10}.

Chain 0+Chain 1
Antenna output power(dBm/MHz) = 10*log{10^[Antenna output power(dBm/MHz)chain0 / 10] + 10^[Antenna output power(dBm/MHz)chain1 / 10]}
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(mW/MHz) = 10^{[Antenna output power(dBm/MHz) + Antenna gain] / 10}.

Adjacent Channel Power

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025/06/04~2025/06/05
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.8	**Relative Humidity: (%)**	61~72	**ATM Pressure: (kPa)**	99.7~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04	BACL Metrology	C
Gongee	Coaxial Power Splitters & Combiner	PD-0/6-2S	RF20230800110	2025/01/15	2026/01/14	BACL(DG)	D

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

W52, Chain 0

Mode	Frequency offset (MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	31.28	31.53	32.10	≥ 25	Pass
	+20	29.84	30.40	31.62	≥ 25	Pass
	-40	44.68	44.64	44.72	≥ 40	Pass
	+40	44.16	44.51	44.79	≥ 40	Pass
802.11n20	-20	38.53	38.51	42.90	≥ 25	Pass
	+20	39.26	39.46	45.52	≥ 25	Pass
	-40	40.37	40.22	49.63	≥ 40	Pass
	+40	40.36	40.38	49.68	≥ 40	Pass
802.11n40	-40	37.61	/	37.62	≥ 25	Pass
	+40	37.33	/	37.25	≥ 25	Pass
	-80	43.54	/	43.62	≥ 40	Pass
	+80	43.05	/	43.47	≥ 40	Pass
802.11ac80	-80	/	34.43	/	≥ 25	Pass
	+80	/	34.56	/	≥ 25	Pass

W52, Chain 1

Mode	Frequency offset(MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	34.31	34.97	35.27	≥ 25	Pass
	+20	33.76	33.68	34.73	≥ 25	Pass
	-40	44.60	44.80	44.79	≥ 40	Pass
	+40	44.37	45.11	45.22	≥ 40	Pass
802.11n20	-20	39.61	39.38	38.81	≥ 25	Pass
	+20	40.92	40.98	40.90	≥ 25	Pass
	-40	41.72	41.95	41.99	≥ 40	Pass
	+40	41.69	42.18	41.90	≥ 40	Pass
802.11n40	-40	39.06	/	38.47	≥ 25	Pass
	+40	39.38	/	38.95	≥ 25	Pass
	-80	45.75	/	45.38	≥ 40	Pass
	+80	45.33	/	45.21	≥ 40	Pass
802.11ac80	-80	/	34.98	/	≥ 25	Pass
	+80	/	34.83	/	≥ 25	Pass

W52, Chain 0+Chain 1

Mode	Frequency offset (MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11n20	-20	35.36	38.07	40.49	≥ 25	Pass
	+20	38.20	39.27	44.26	≥ 25	Pass
	-40	41.24	40.03	49.24	≥ 40	Pass
	+40	41.56	40.21	49.32	≥ 40	Pass
802.11n40	-40	37.31	/	36.76	≥ 25	Pass
	+40	38.77	/	38.20	≥ 25	Pass
	-80	42.16	/	41.14	≥ 40	Pass
	+80	42.08	/	41.27	≥ 40	Pass
802.11ac80	-80	/	33.42	/	≥ 25	Pass
	+80	/	33.78	/	≥ 25	Pass

W53, Chain 0

Mode	Frequency offset(MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	39.12	39.41	38.06	≥ 25	Pass
	+20	39.90	39.35	38.91	≥ 25	Pass
	-40	41.76	41.88	42.05	≥ 40	Pass
	+40	41.71	41.80	42.08	≥ 40	Pass
802.11n20	-20	43.48	42.95	43.84	≥ 25	Pass
	+20	44.69	44.61	45.19	≥ 25	Pass
	-40	47.66	47.44	48.13	≥ 40	Pass
	+40	47.46	47.68	47.87	≥ 40	Pass
802.11n40	-40	36.49	/	36.17	≥ 25	Pass
	+40	36.84	/	36.99	≥ 25	Pass
	-80	40.05	/	40.40	≥ 40	Pass
	+80	40.19	/	40.23	≥ 40	Pass
802.11ac80	-80	/	32.96	/	≥ 25	Pass
	+80	/	33.17	/	≥ 25	Pass

W53, Chain 1

Mode	Frequency offset(MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	38.94	38.83	38.58	≥ 25	Pass
	+20	40.71	40.07	40.29	≥ 25	Pass
	-40	41.79	40.91	41.59	≥ 40	Pass
	+40	42.02	40.84	41.55	≥ 40	Pass
802.11n20	-20	42.88	42.66	43.17	≥ 25	Pass
	+20	45.55	45.71	45.28	≥ 25	Pass
	-40	47.88	48.25	47.51	≥ 40	Pass
	+40	48.10	48.16	47.79	≥ 40	Pass
802.11n40	-40	37.32	/	37.72	≥ 25	Pass
	+40	37.88	/	38.28	≥ 25	Pass
	-80	41.33	/	41.71	≥ 40	Pass
	+80	41.48	/	41.63	≥ 40	Pass
802.11ac80	-80	/	31.70	/	≥ 25	Pass
	+80	/	31.91	/	≥ 25	Pass

W53, Chain 0+Chain 1

Mode	Frequency offset(MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11n20	-20	41.16	41.25	41.74	≥ 25	Pass
	+20	42.31	42.23	42.44	≥ 25	Pass
	-40	43.52	42.98	42.94	≥ 40	Pass
	+40	43.78	43.21	42.95	≥ 40	Pass
802.11n40	-40	37.18	/	37.81	≥ 25	Pass
	+40	38.18	/	38.36	≥ 25	Pass
	-80	40.73	/	40.93	≥ 40	Pass
	+80	40.89	/	40.49	≥ 40	Pass
802.11ac80	-80	/	25.05	/	≥ 25	Pass
	+80	/	25.32	/	≥ 25	Pass

W56, Chain 0

Mode	Frequency offset(MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	28.11	26.01	27.21	≥ 25	Pass
	+20	26.44	25.30	27.16	≥ 25	Pass
	-40	45.67	47.24	49.17	≥ 40	Pass
	+40	45.24	47.31	49.55	≥ 40	Pass
802.11n20	-20	38.02	36.61	27.21	≥ 25	Pass
	+20	35.70	33.75	27.16	≥ 25	Pass
	-40	52.53	52.26	49.17	≥ 40	Pass
	+40	52.13	52.13	49.55	≥ 40	Pass
802.11n40	-40	38.23	36.61	37.02	≥ 25	Pass
	+40	38.69	33.75	38.66	≥ 25	Pass
	-80	47.45	52.26	46.42	≥ 40	Pass
	+80	46.31	52.13	45.51	≥ 40	Pass
802.11ac80	-80	35.91	32.54	33.49	≥ 25	Pass
	+80	34.86	31.97	32.30	≥ 25	Pass

W56, Chain 1

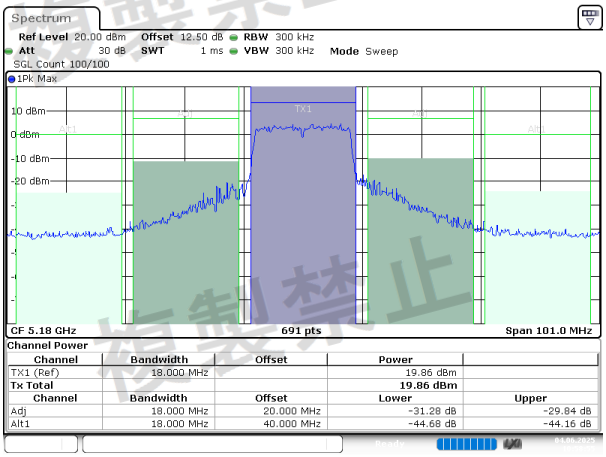
Mode	Frequency offset (MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	26.23	25.96	27.22	≥ 25	Pass
	+20	25.49	26.11	26.54	≥ 25	Pass
	-40	47.40	45.17	45.54	≥ 40	Pass
	+40	48.13	46.78	45.29	≥ 40	Pass
802.11n20	-20	33.16	38.19	32.70	≥ 25	Pass
	+20	32.01	38.18	31.86	≥ 25	Pass
	-40	45.51	44.41	45.67	≥ 40	Pass
	+40	45.48	44.53	45.35	≥ 40	Pass
802.11n40	-40	39.30	38.47	37.91	≥ 25	Pass
	+40	38.81	40.09	38.54	≥ 25	Pass
	-80	48.57	47.00	46.75	≥ 40	Pass
	+80	47.92	46.75	45.73	≥ 40	Pass
802.11ac80	-80	32.99	33.74	34.35	≥ 25	Pass
	+80	32.01	34.14	34.36	≥ 25	Pass

W56, Chain 0+Chain 1

Mode	Frequency offset(MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11n20	-20	34.50	35.29	31.96	≥ 25	Pass
	+20	34.07	34.29	29.85	≥ 25	Pass
	-40	40.42	48.63	42.27	≥ 40	Pass
	+40	40.49	48.67	41.75	≥ 40	Pass
802.11n40	-40	38.38	36.94	37.47	≥ 25	Pass
	+40	39.41	38.39	38.76	≥ 25	Pass
	-80	44.26	42.57	44.27	≥ 40	Pass
	+80	44.01	42.10	42.94	≥ 40	Pass
802.11ac80	-80	31.35	30.43	28.09	≥ 25	Pass
	+80	30.64	30.43	28.14	≥ 25	Pass

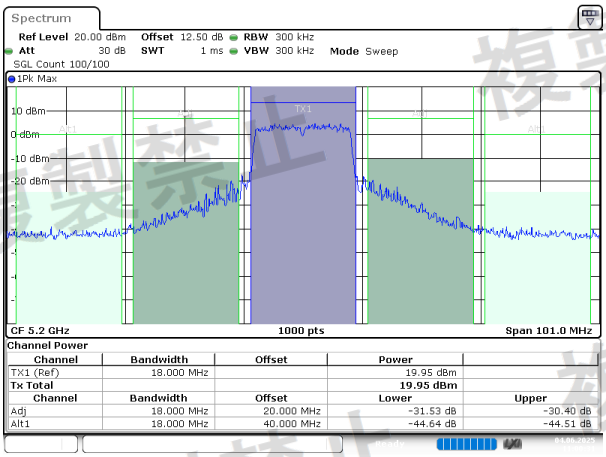
W52, Chain 0, Test Condition: NV

802.11a, Low Channel



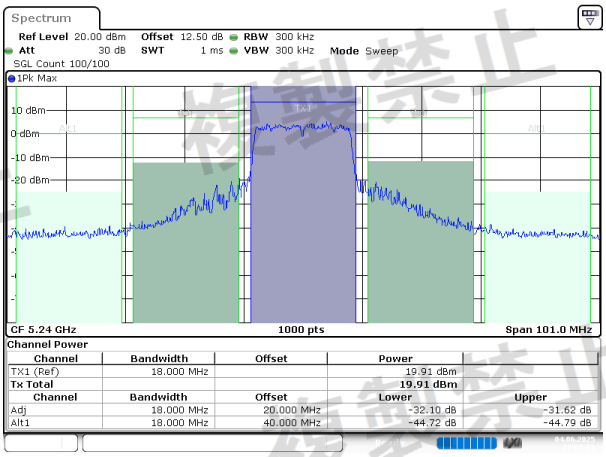
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 10:58:55

802.11a, Middle Channel



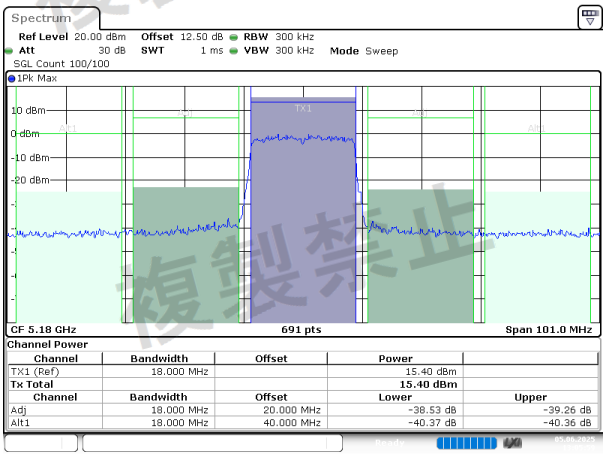
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:00:31

802.11a, High Channel



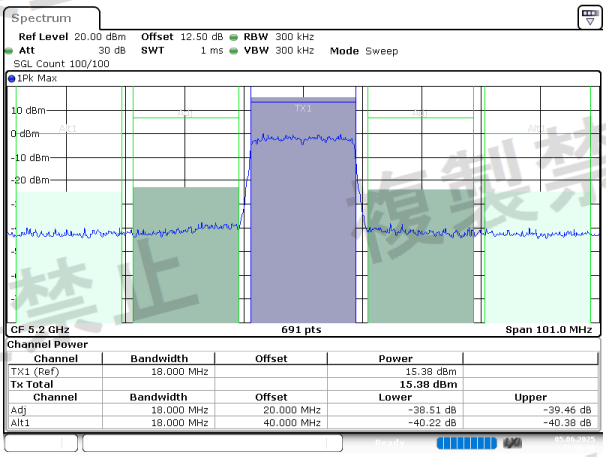
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:02:01

802.11n20, Low Channel



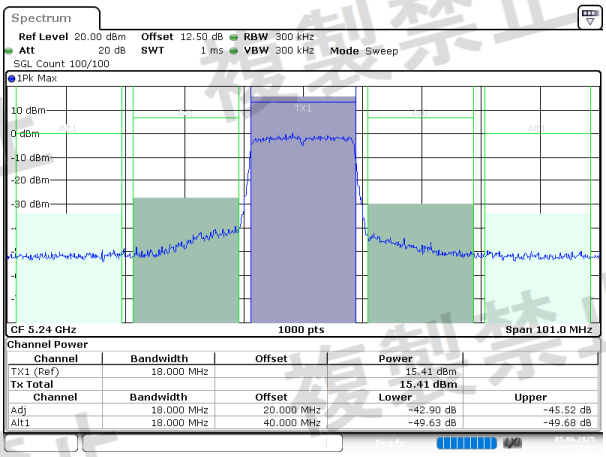
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:05:58

802.11n20, Middle Channel



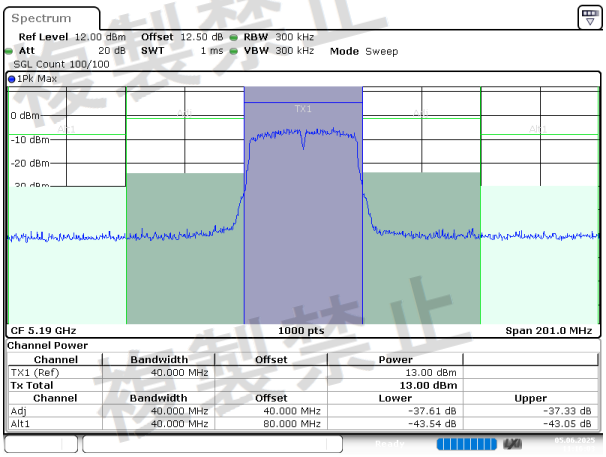
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:06:48

802.11n20, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:13:02

802.11n40, Low Channel



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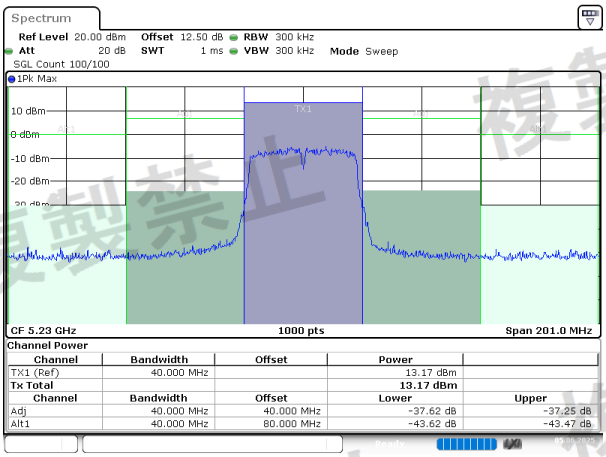
Date: 5.JUN.2025 11:16:03

802.11n40, High Channel



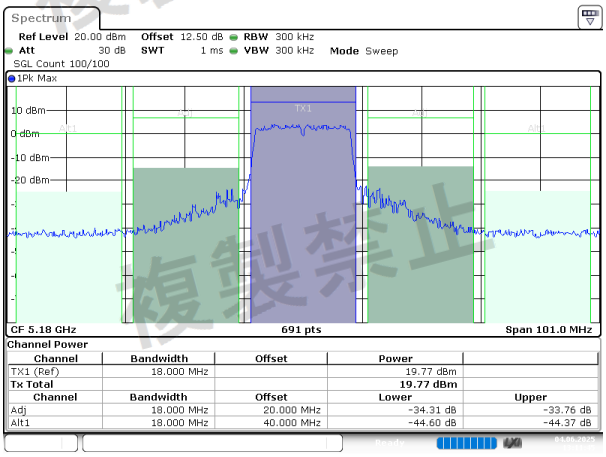
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:18:28

W52, Chain 1, Test Condition: NV

802.11ac80, Middle Channel

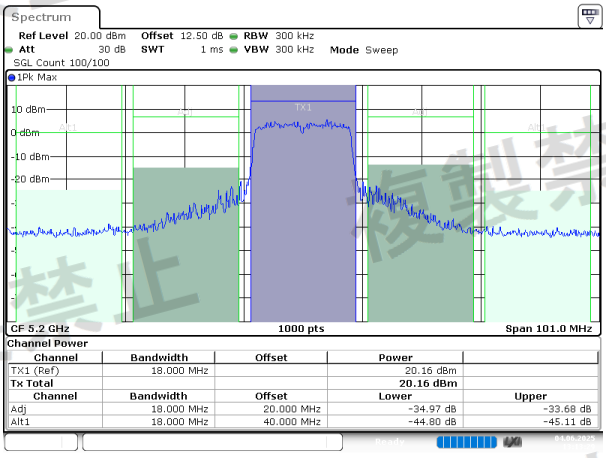
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:20:07

802.11a, Low Channel



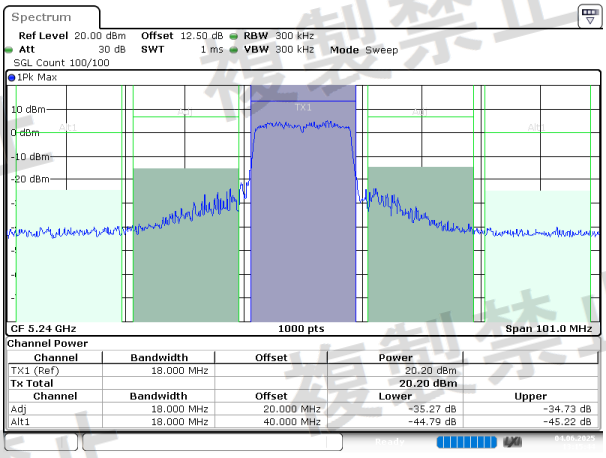
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:11:45

802.11a, Middle Channel



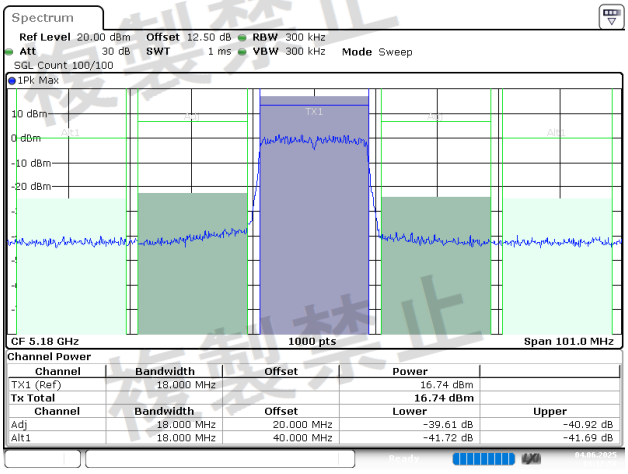
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:13:29

802.11a, High Channel



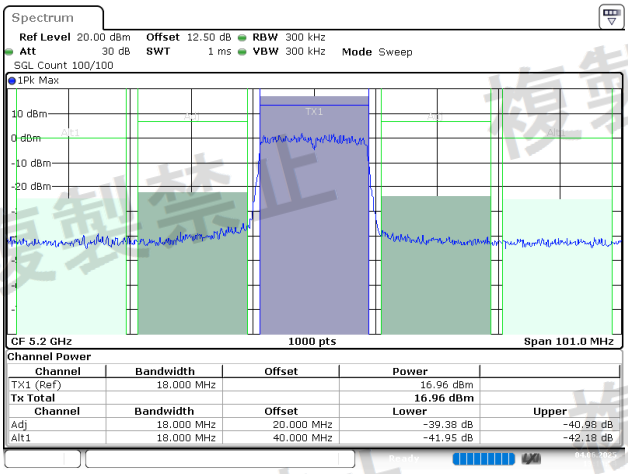
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:15:44

802.11n20, Low Channel



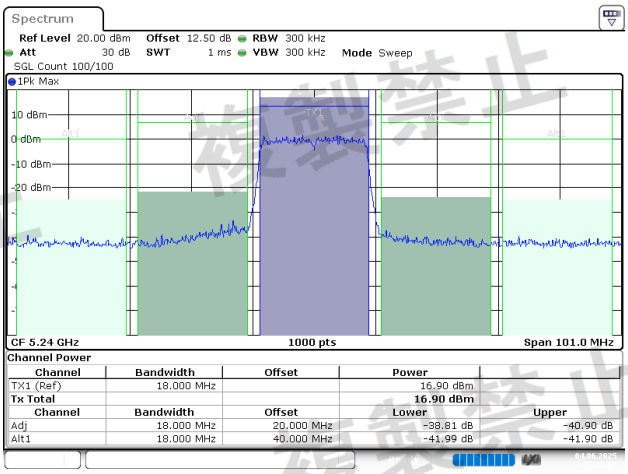
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:17:58

802.11n20, Middle Channel



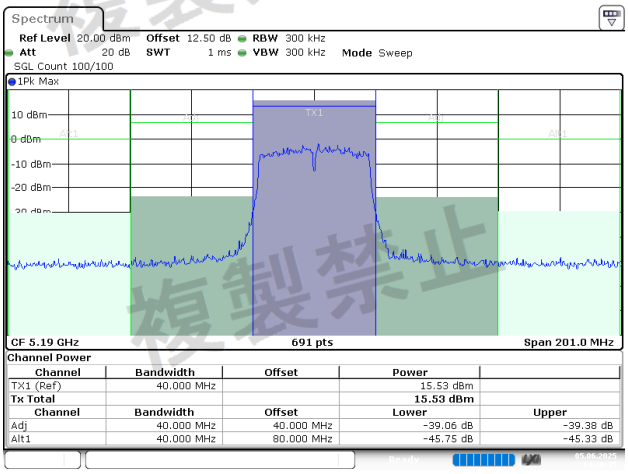
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:19:54

802.11n20, High Channel



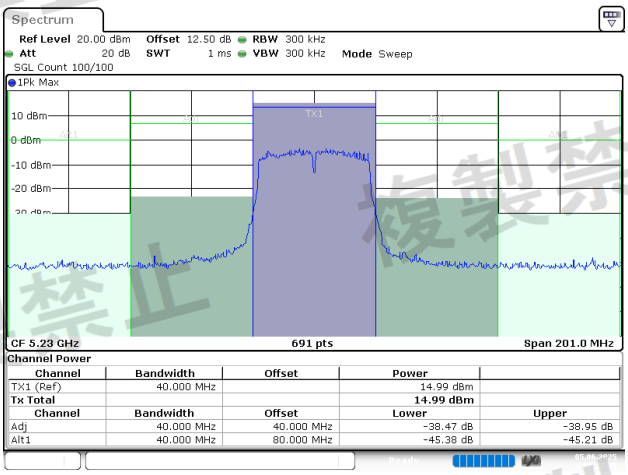
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:22:07

802.11n40, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:10:35

802.11n40, High Channel



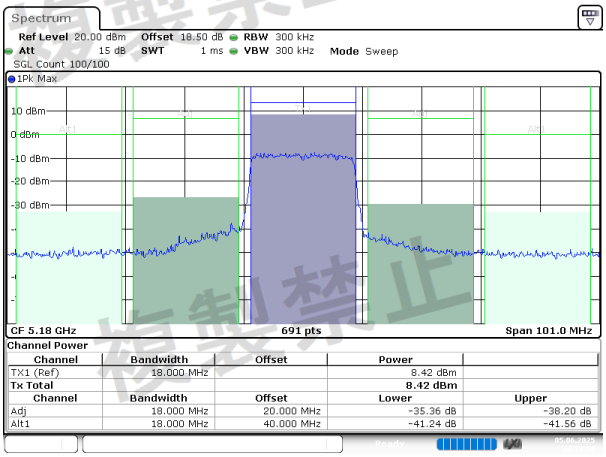
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:11:15

802.11ac80, Middle Channel

ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:28:09

W52, Chain 0+Chain 1, Test Condition: NV

802.11n20, Low Channel

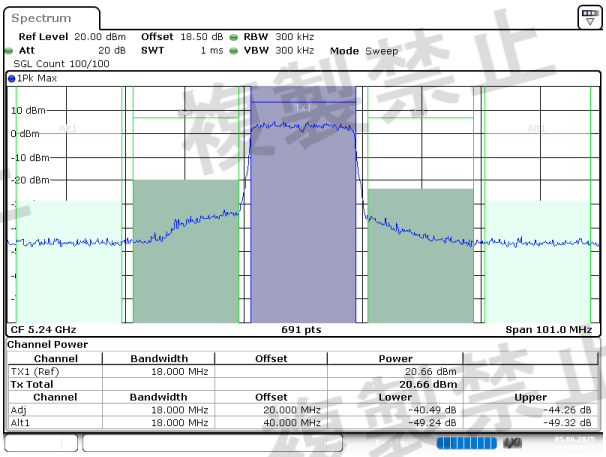


ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:53:50

802.11n20, Middle Channel

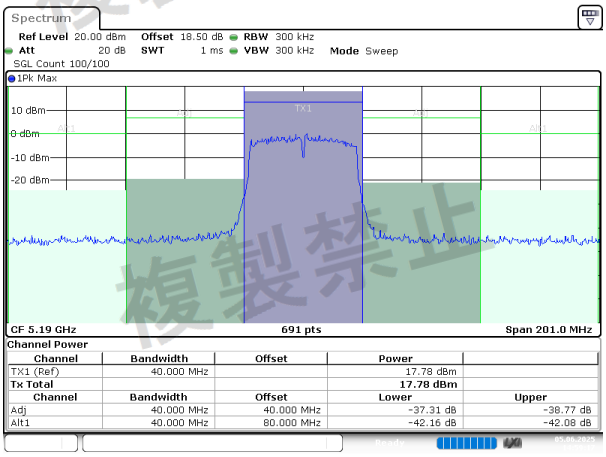
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:57:22

802.11n20, High Channel



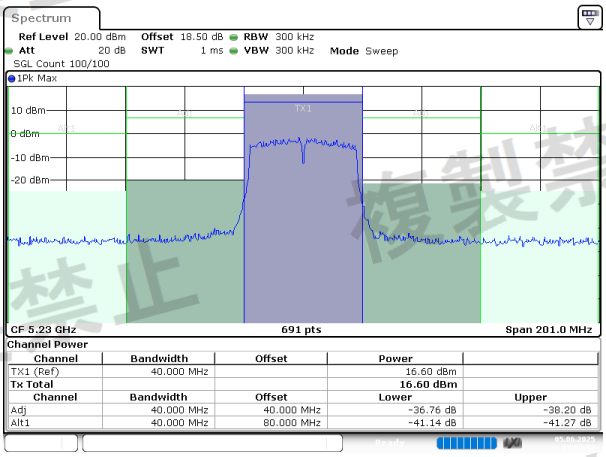
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:58:23

802.11n40, Low Channel



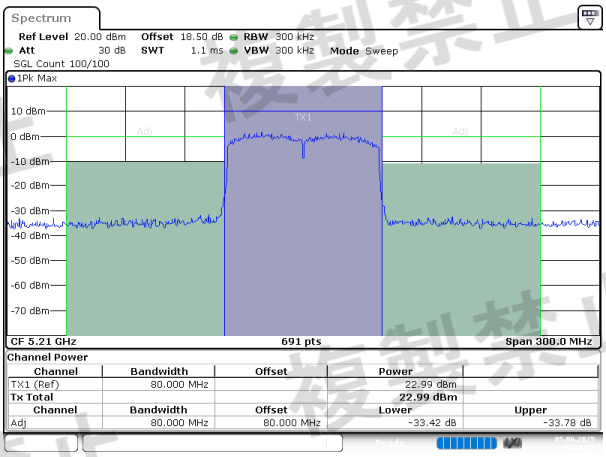
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:59:17

802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:59:57

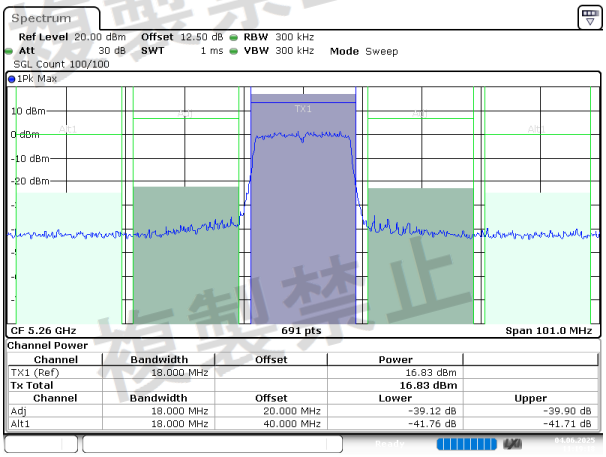
802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:00:37

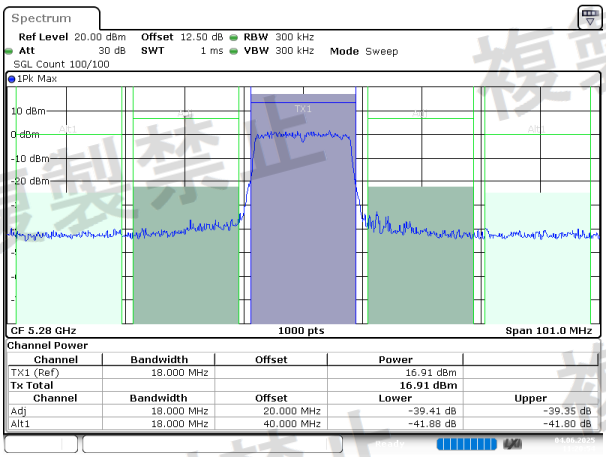
W53, Chain 0, Test Condition: NV

802.11a, Low Channel



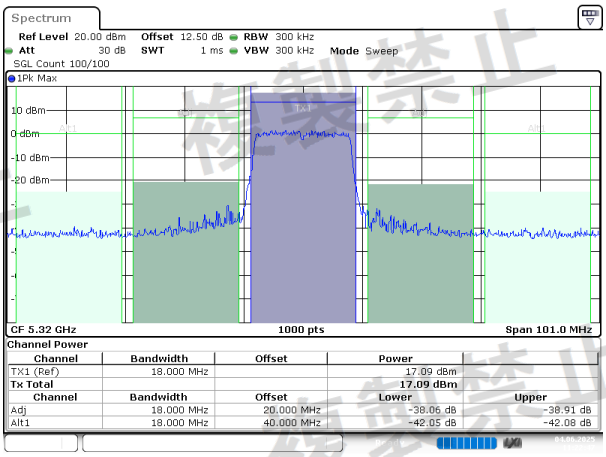
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:19:18

802.11a, Middle Channel



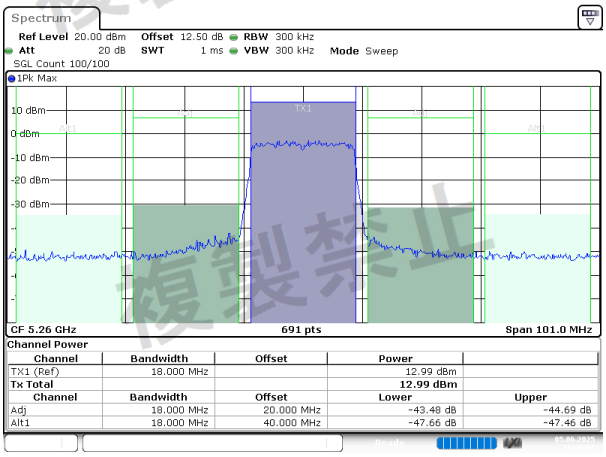
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:20:54

802.11a, High Channel



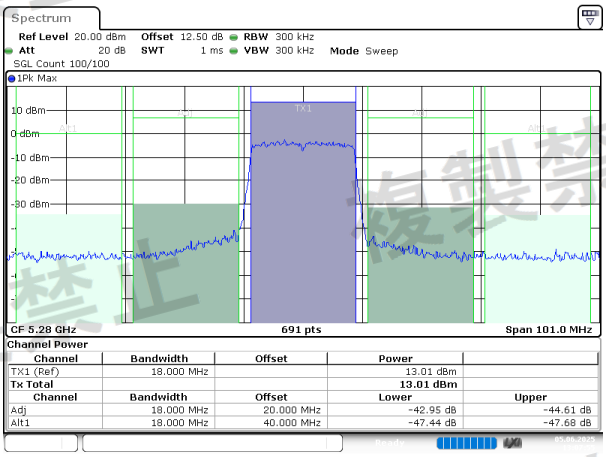
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:22:47

802.11n20, Low Channel



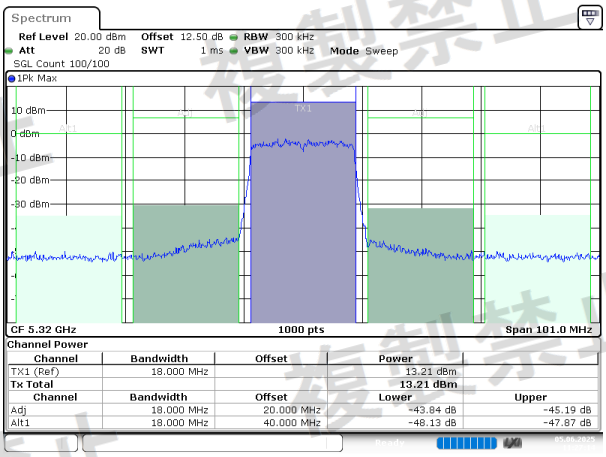
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:23:51

802.11n20, Middle Channel



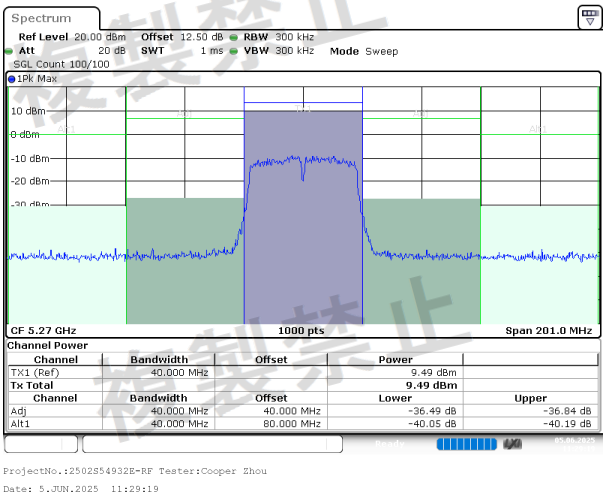
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:07:54

802.11n20, High Channel



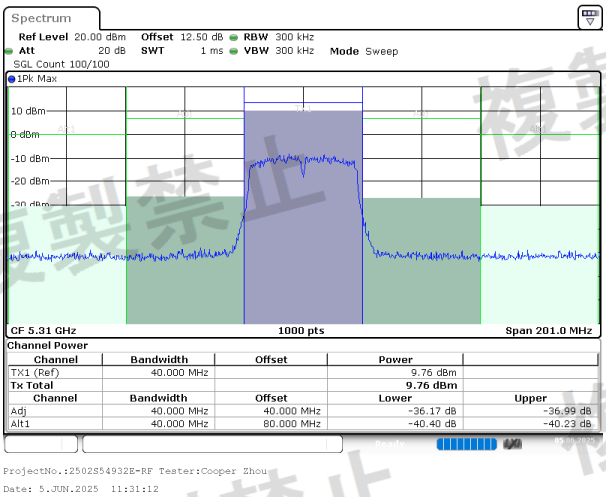
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:27:14

802.11n40, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:29:19

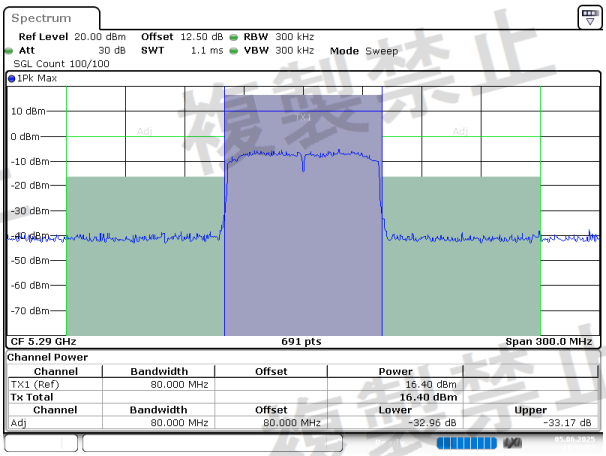
802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:31:12

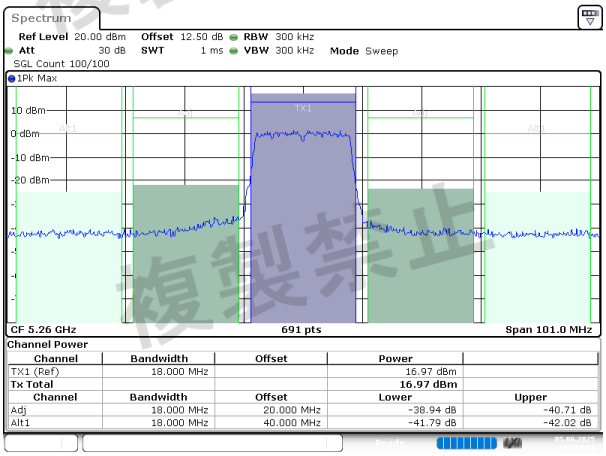
W53, Chain 1, Test Condition: NV

802.11ac80, Middle Channel



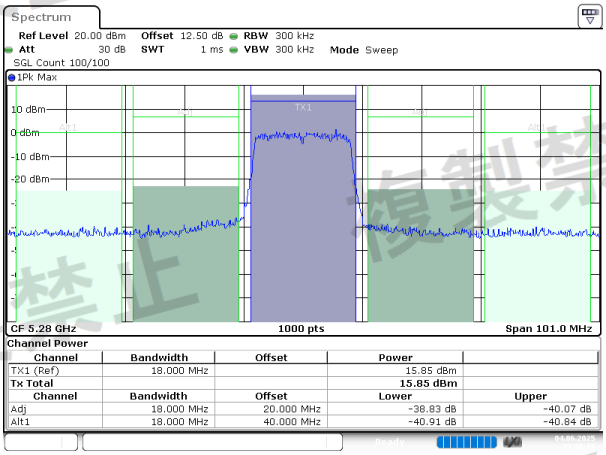
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:32:57

802.11a, Low Channel



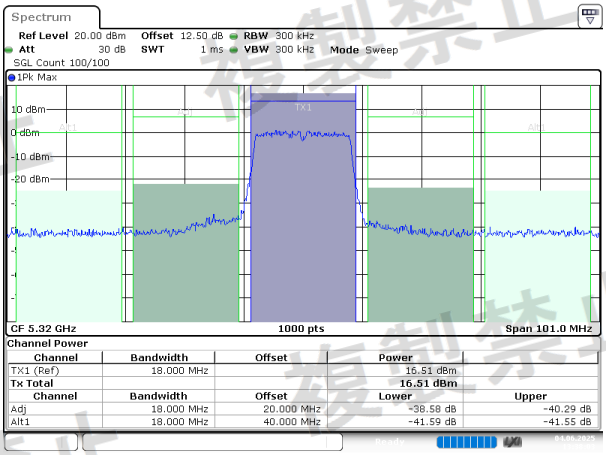
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:12:08

802.11a, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:36:11

802.11a, High Channel

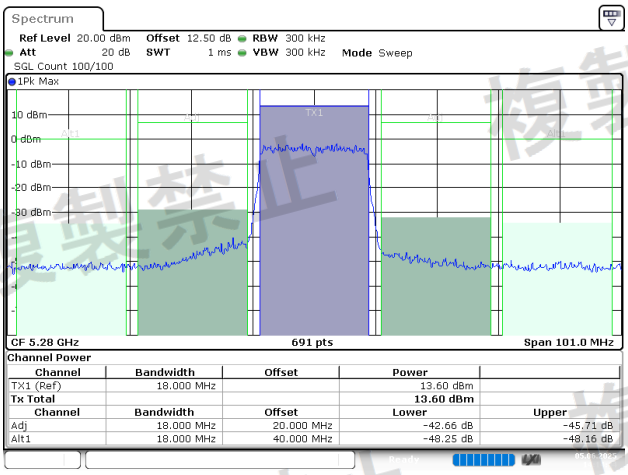


ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:38:04

802.11n20, Low Channel

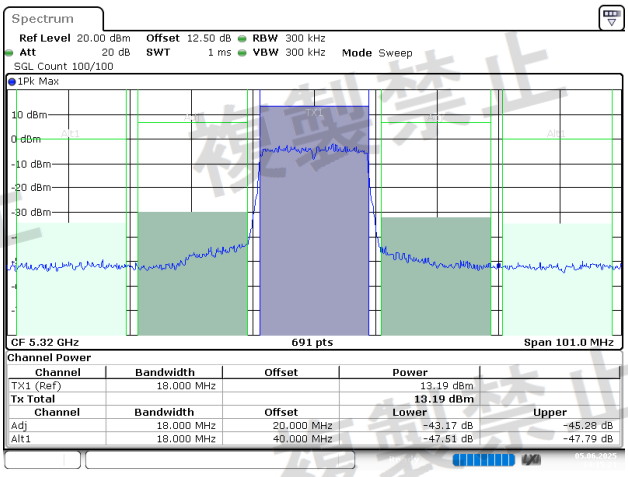
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:14:04

802.11n20, Middle Channel



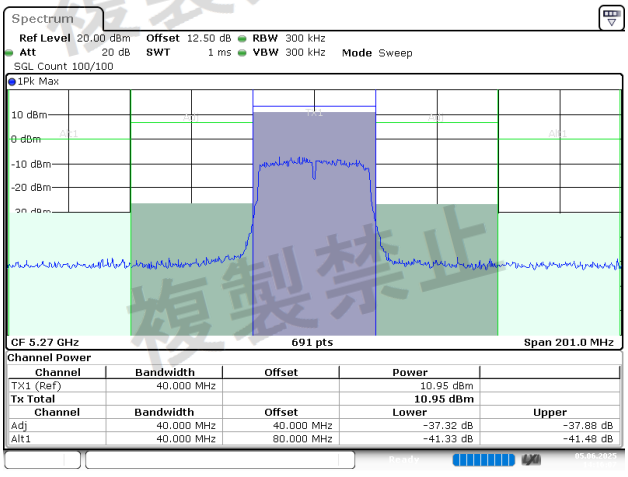
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:14:44

802.11n20, High Channel



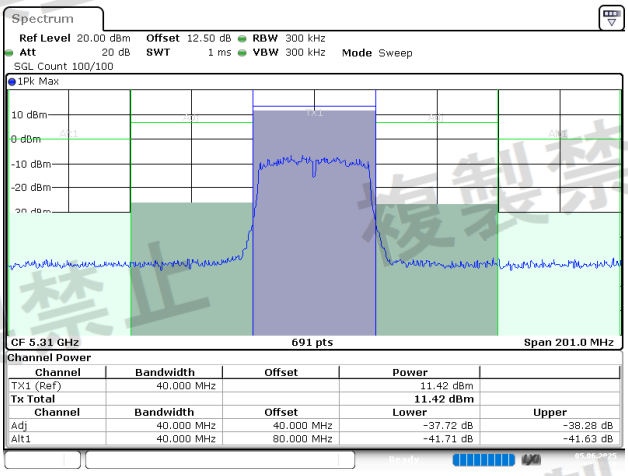
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:15:21

802.11n40, Low Channel



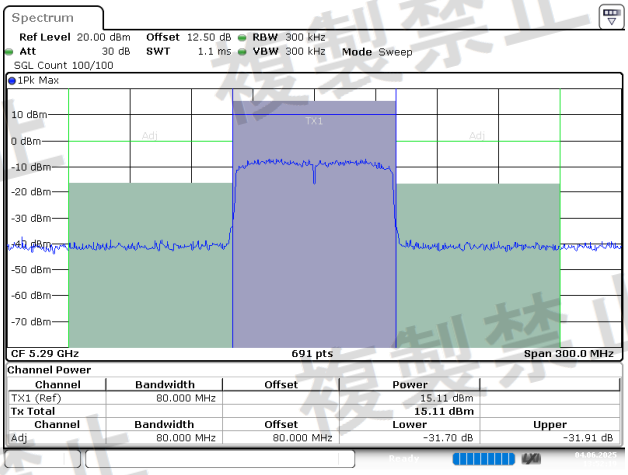
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:16:07

802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:16:50

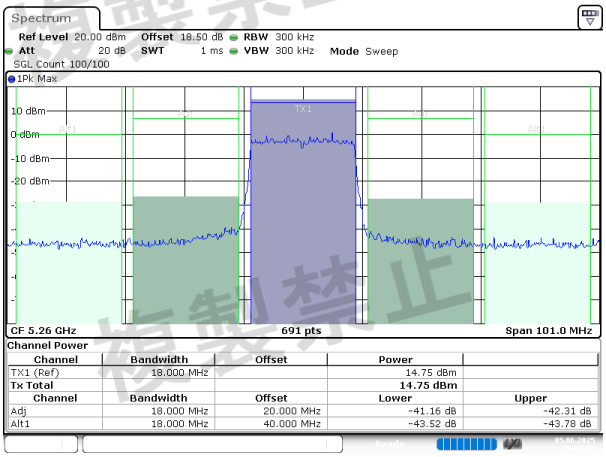
802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:52:19

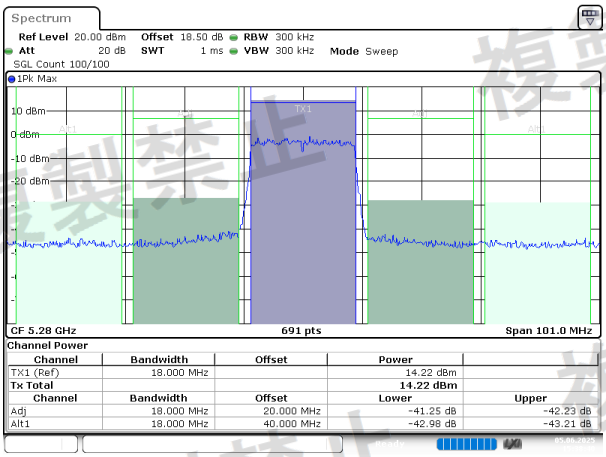
W53, Chain 0+Chain 1, Test Condition: NV

802.11n20, Low Channel



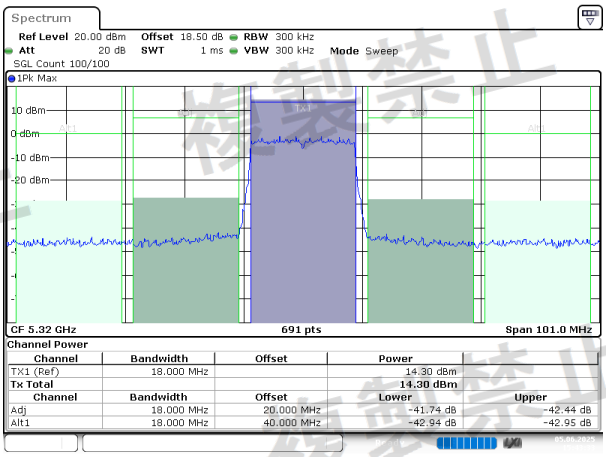
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:01:20

802.11n20, Middle Channel



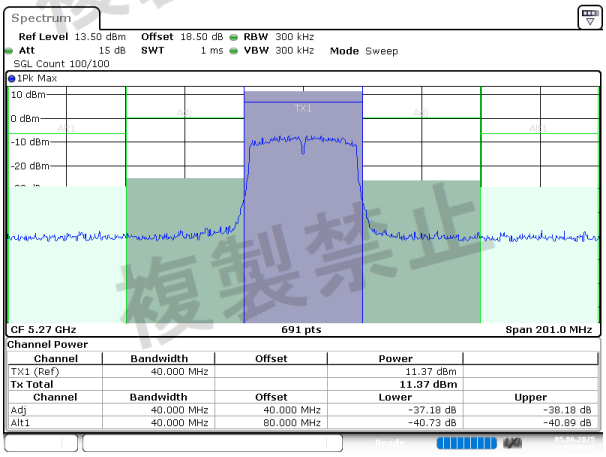
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:38:40

802.11n20, High Channel



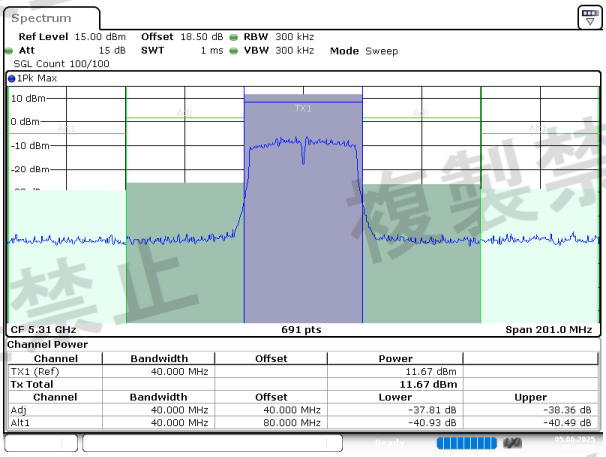
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:43:33

802.11n40, Low Channel



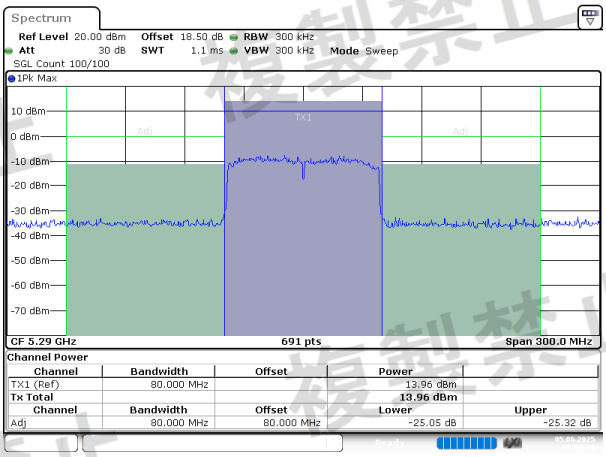
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:46:43

802.11n40, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:47:52

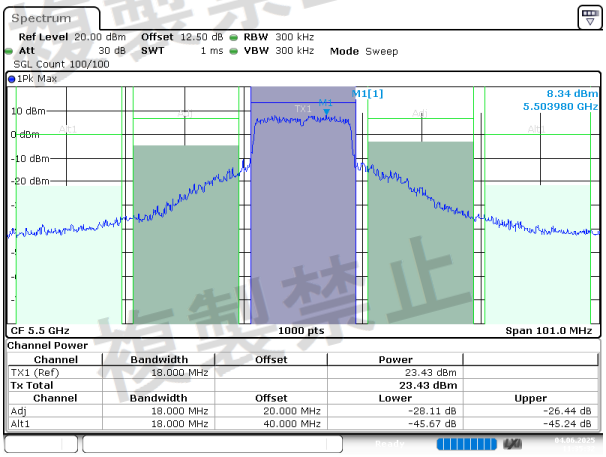
802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:50:19

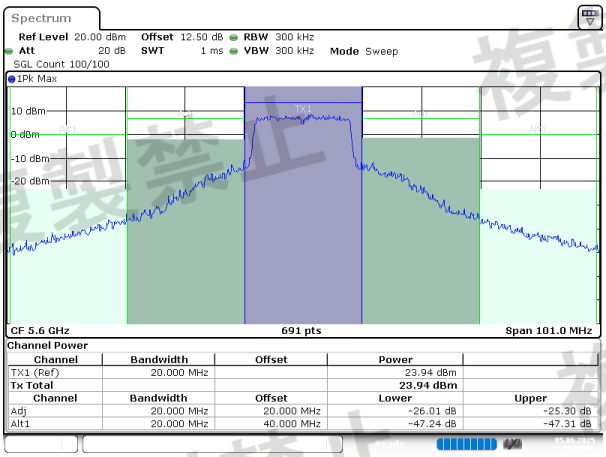
W56, Chain 0, Test Condition: NV

802.11a, Low Channel



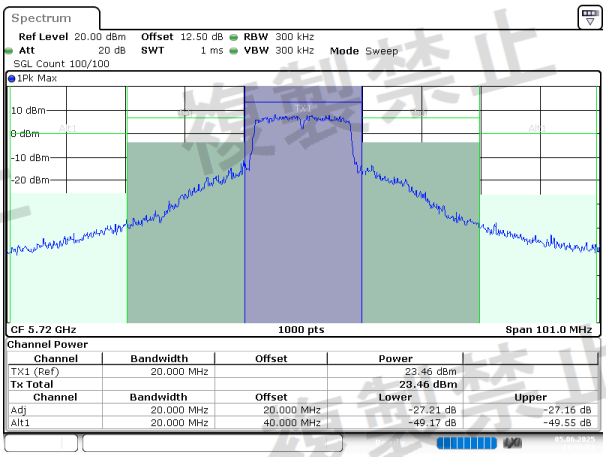
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 11:35:32

802.11a, Middle Channel



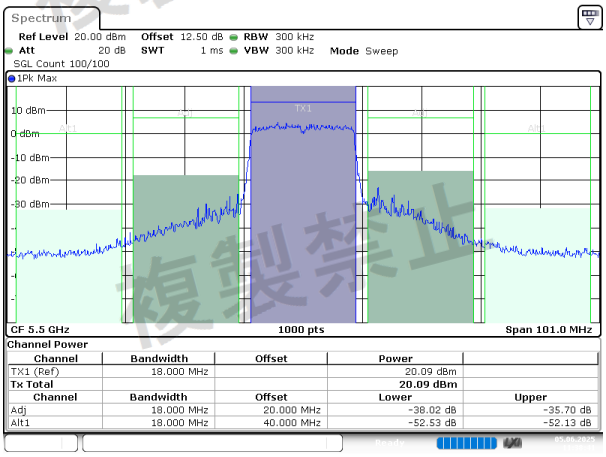
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:13:01

802.11a, High Channel



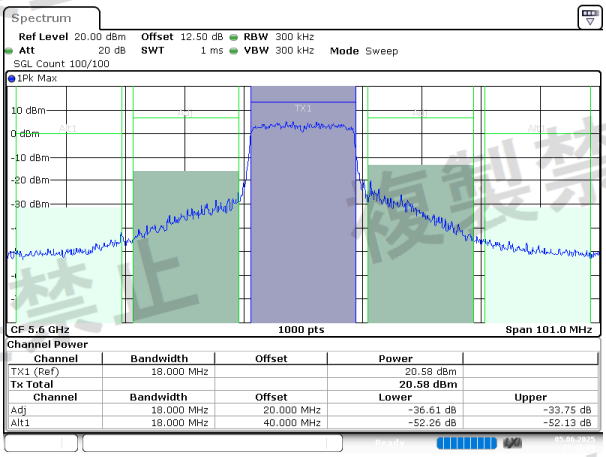
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:36:53

802.11n20, Low Channel



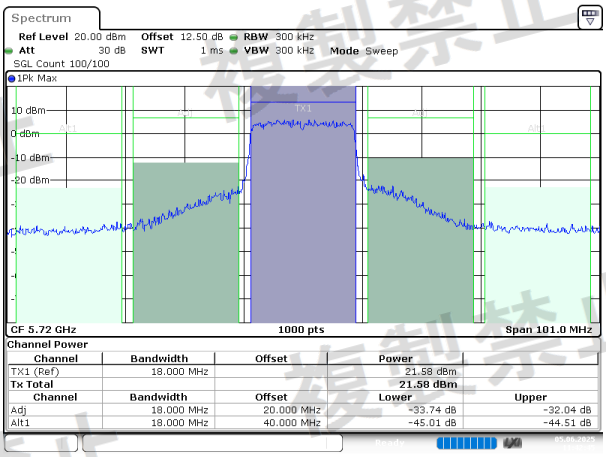
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:38:41

802.11n20, Middle Channel



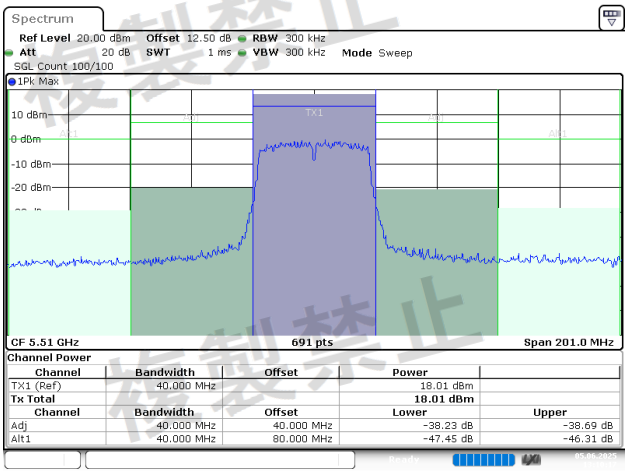
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:41:09

802.11n20, High Channel



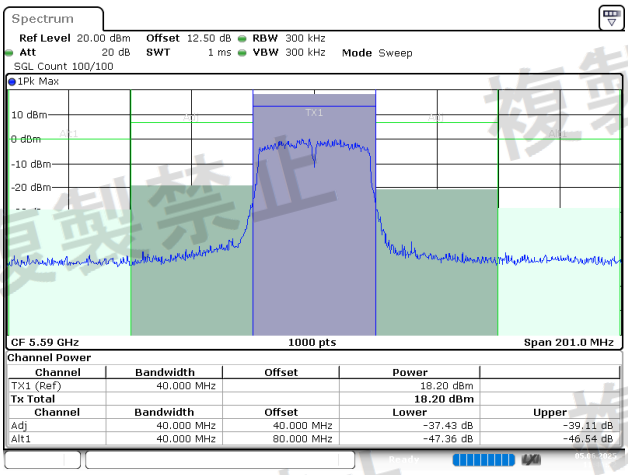
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:42:46

802.11n40, Low Channel



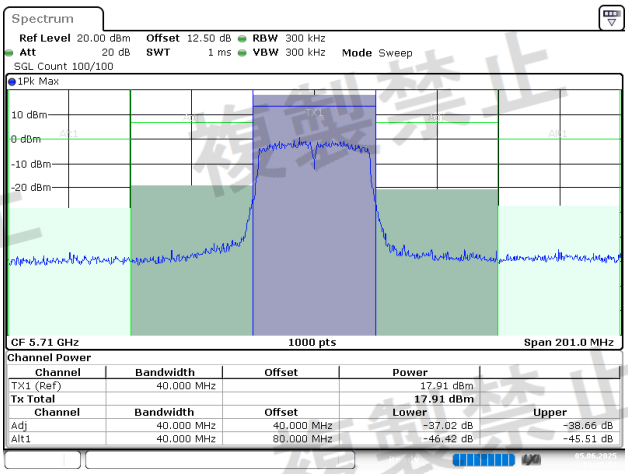
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 13:10:17

802.11n40, Middle Channel



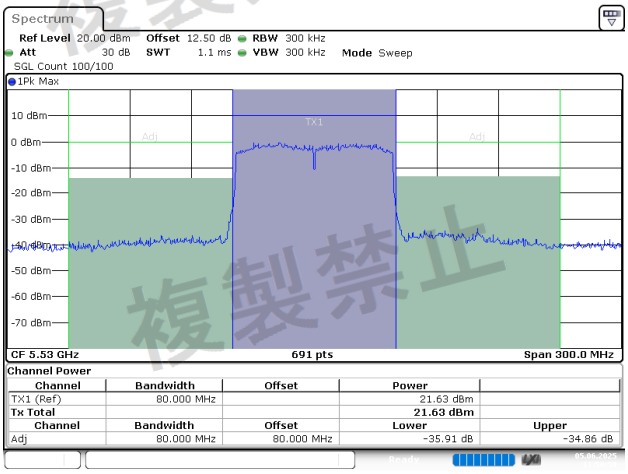
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:46:23

802.11n40, High Channel



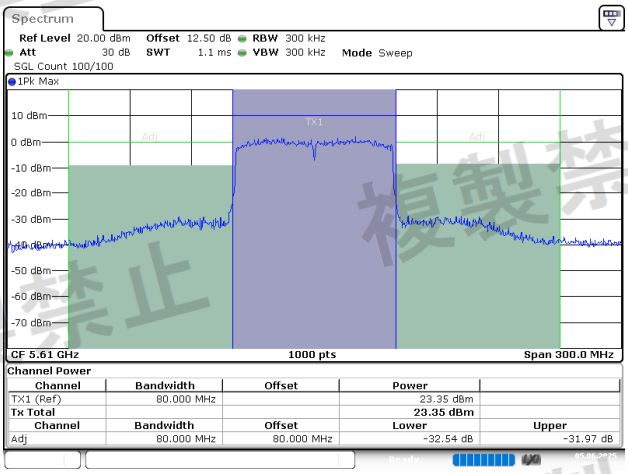
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:49:01

802.11ac80, Low Channel



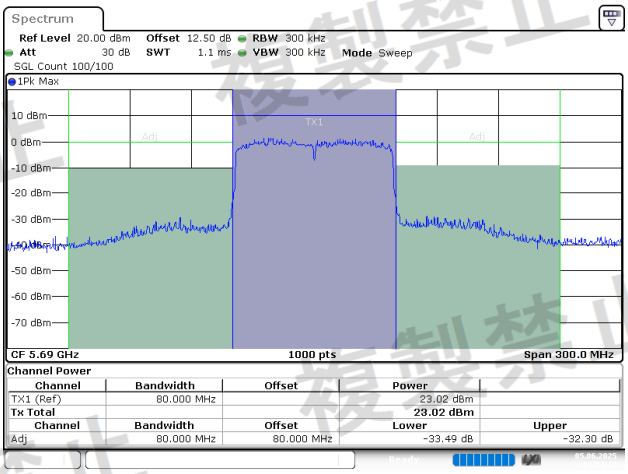
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:50:51

802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:52:41

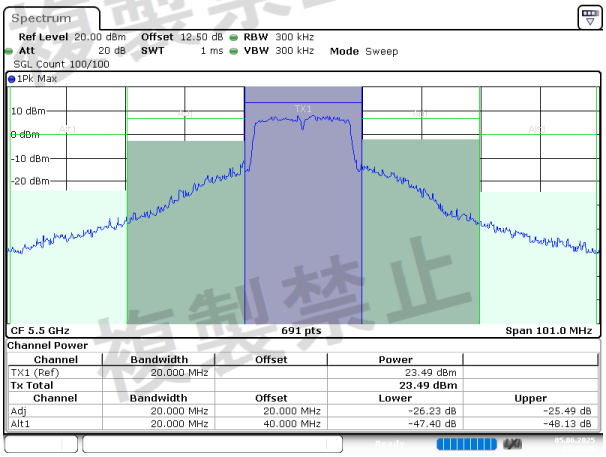
802.11ac80, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 11:54:19

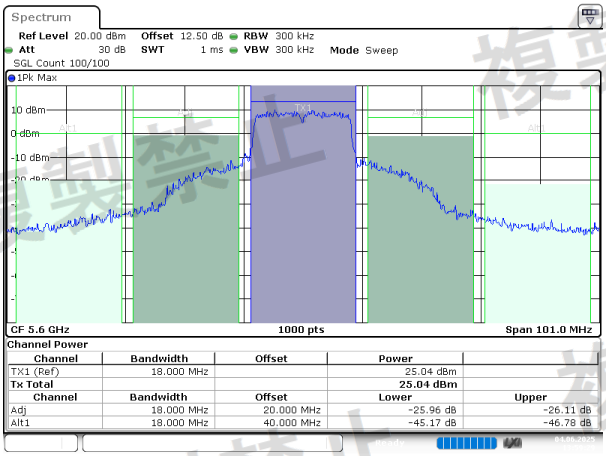
W56, Chain 1, Test Condition: NV

802.11a, Low Channel



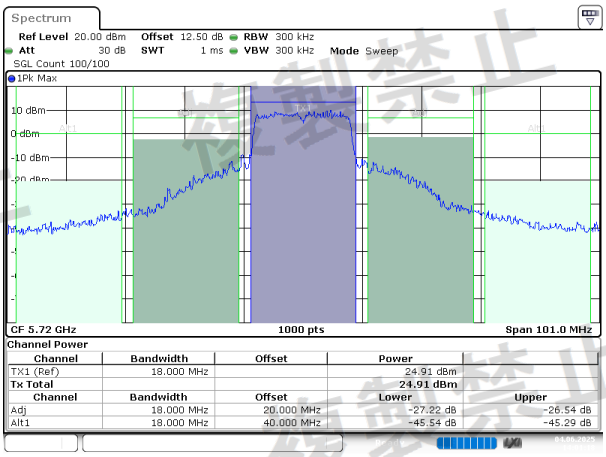
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:22:26

802.11a, Middle Channel



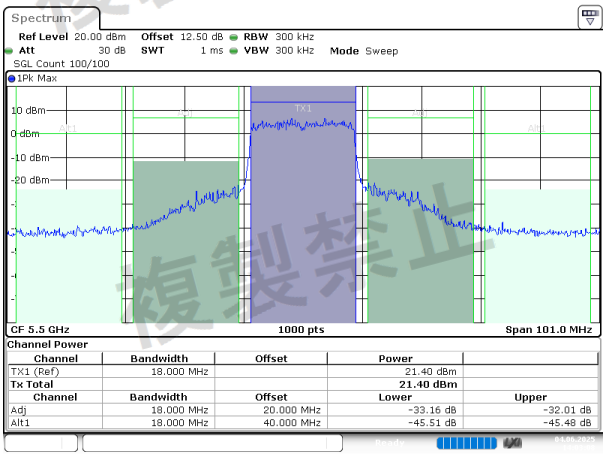
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 13:59:30

802.11a, High Channel



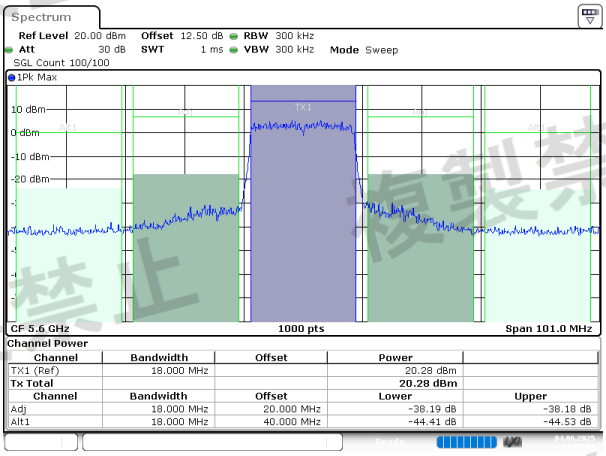
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:01:18

802.11n20, Low Channel



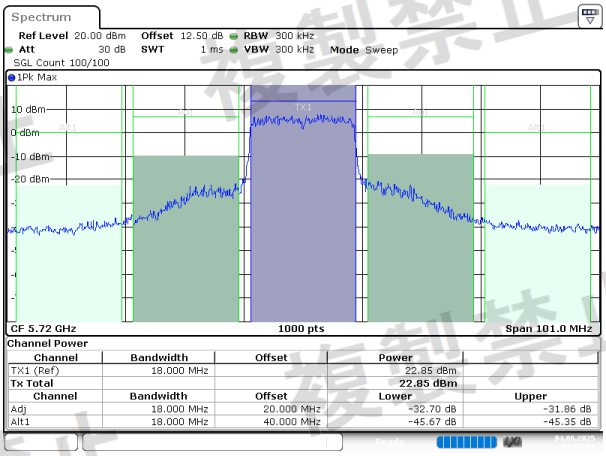
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:03:08

802.11n20, Middle Channel



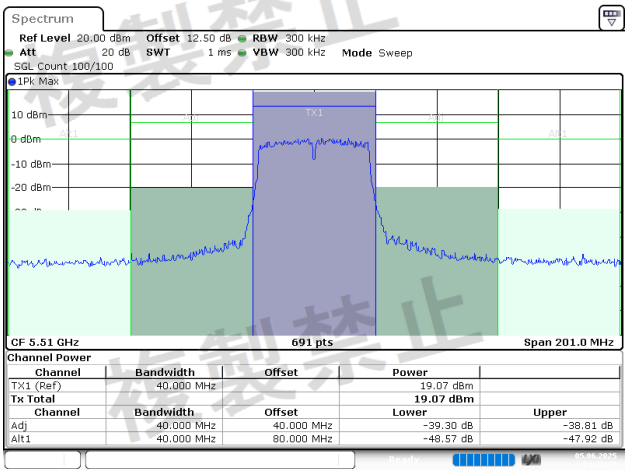
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:05:01

802.11n20, High Channel



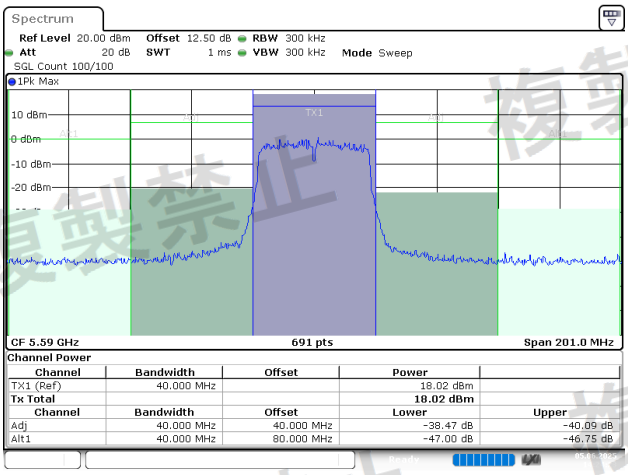
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:07:21

802.11n40, Low Channel



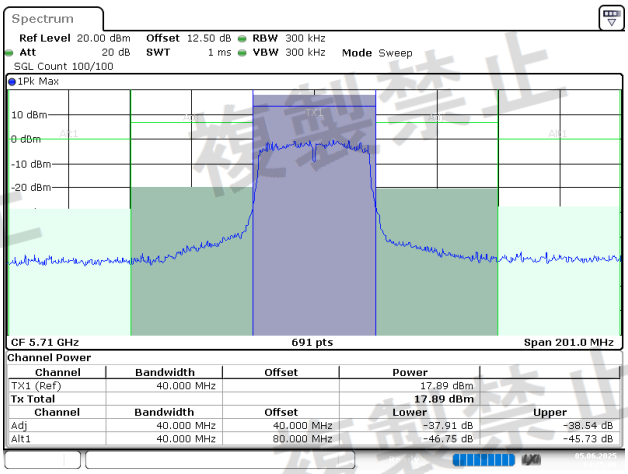
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:23:49

802.11n40, Middle Channel



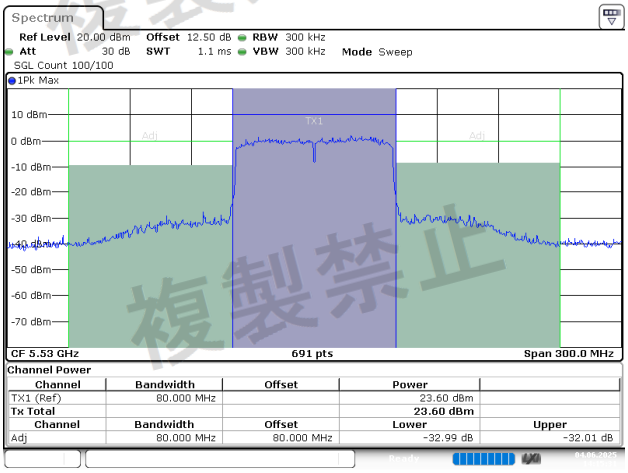
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:24:23

802.11n40, High Channel



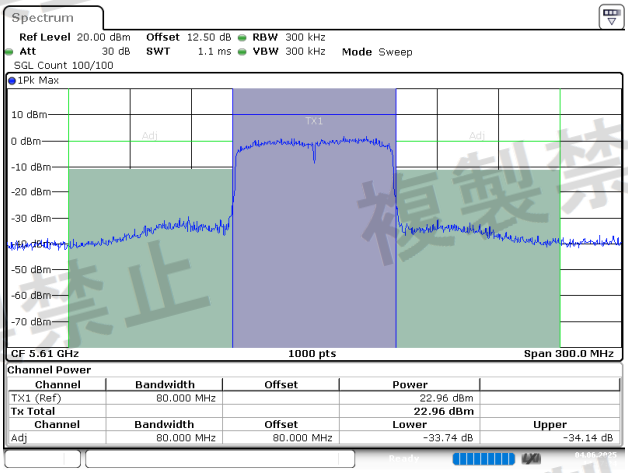
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 14:25:06

802.11ac80, Low Channel



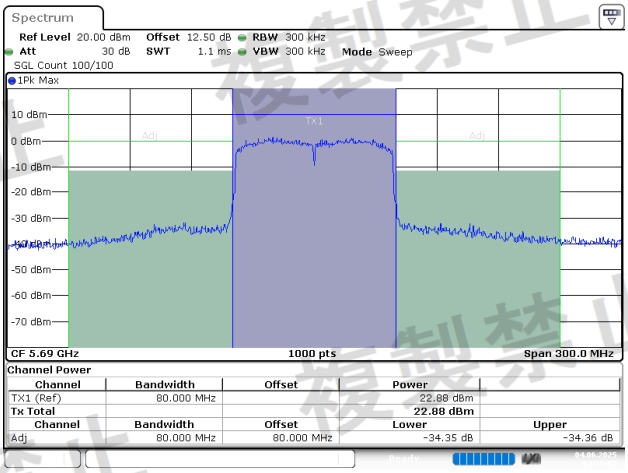
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:15:31

802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:17:24

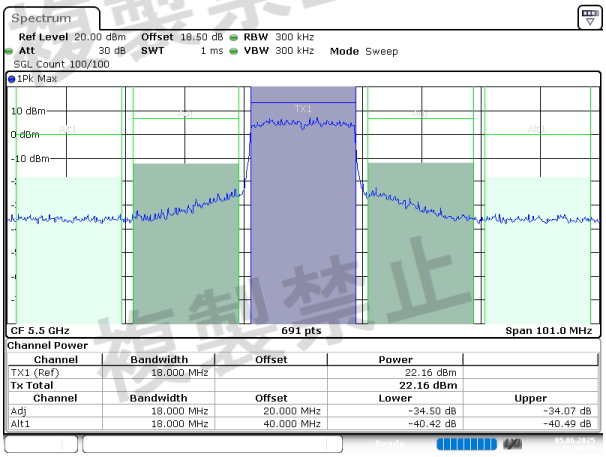
802.11ac80, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 14:19:07

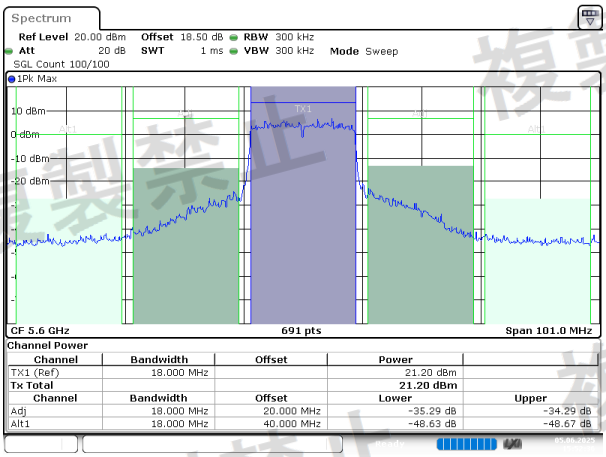
W56, Chain 0+Chain 1, Test Condition: NV

802.11n20, Low Channel



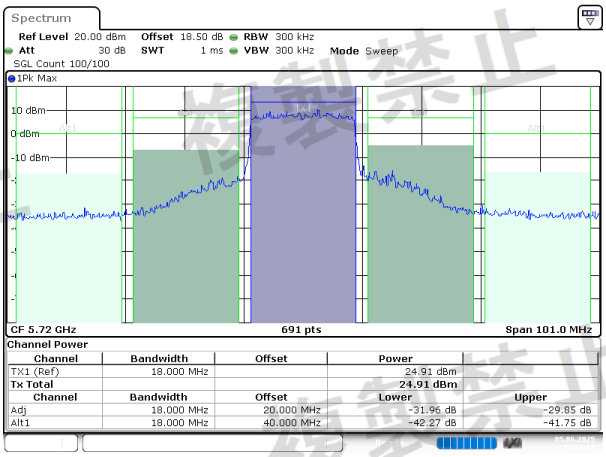
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:51:39

802.11n20, Middle Channel



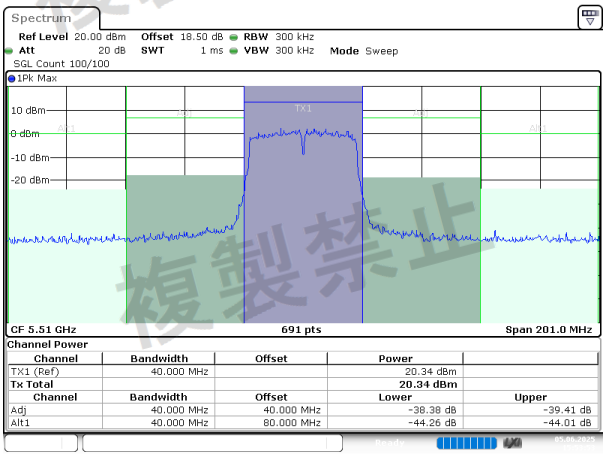
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:52:36

802.11n20, High Channel



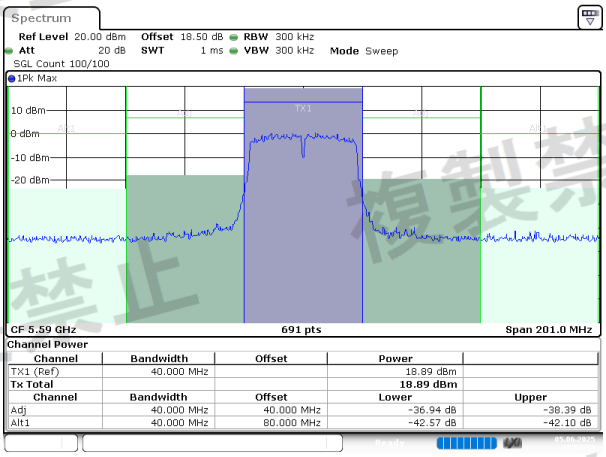
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:53:15

802.11n40, Low Channel



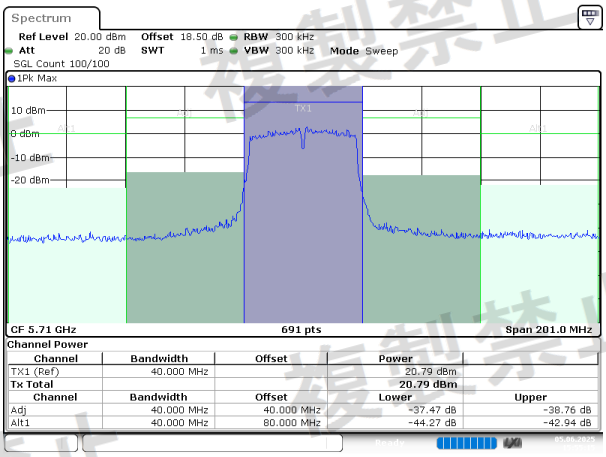
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:53:53

802.11n40, Middle Channel



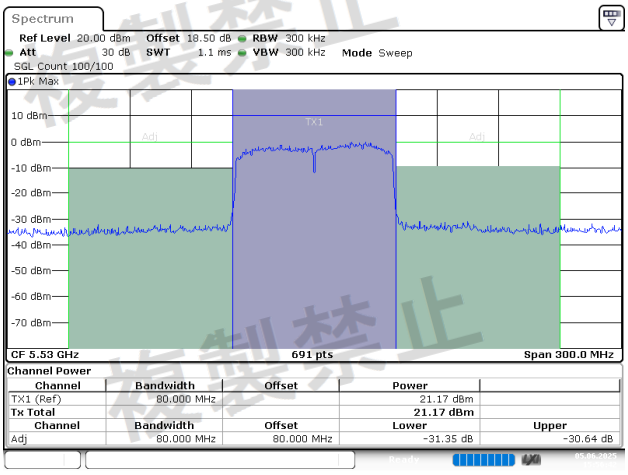
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:54:33

802.11n40, High Channel



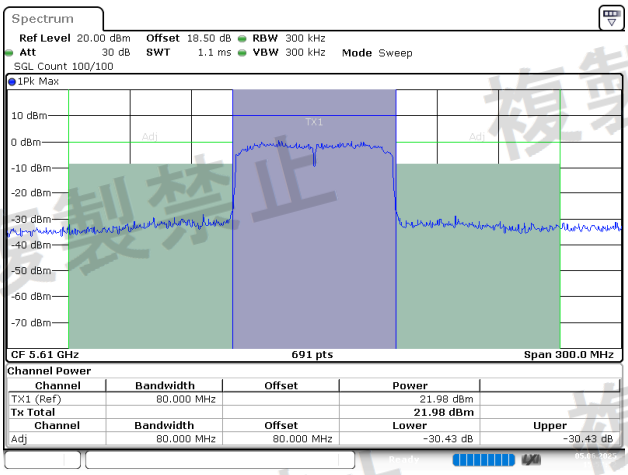
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:55:15

802.11ac80, Low Channel



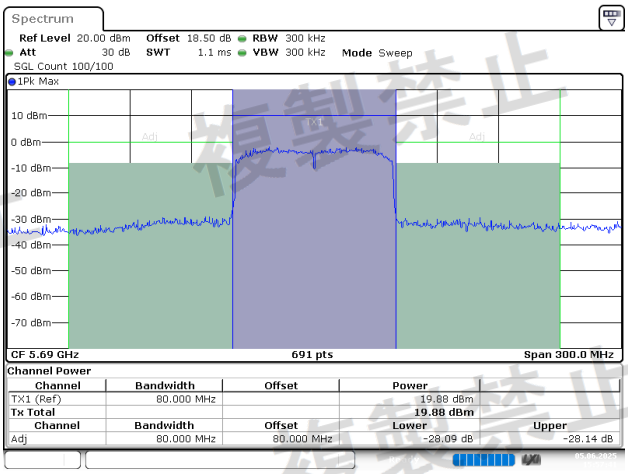
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:56:42

802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:57:12

802.11ac80, High Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 5.JUN.2025 15:57:41

Secondary Radiated Emission Strength

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025/06/04
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.8	**Relative Humidity: (%)**	61~72	**ATM Pressure: (kPa)**	99.7~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04	BACL Metrology	C

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

W52, Chain 0

Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11a	Low	30	1000	825.1575	-77.59	0.017	4	Pass
		1000	26000	17618.75	-60.69	0.853	20	Pass
	Middle	30	1000	731.5525	-77.92	0.016	4	Pass
		1000	26000	19606.25	-60.81	0.830	20	Pass
	High	30	1000	824.6725	-74.97	0.032	4	Pass
		1000	26000	15818.75	-60.64	0.863	20	Pass
802.11n20	Low	30	1000	828.0675	-72.37	0.058	4	Pass
		1000	26000	17606.25	-61.39	0.726	20	Pass
	Middle	30	1000	858.6225	-77.65	0.017	4	Pass
		1000	26000	17606.25	-60.64	0.863	20	Pass
	High	30	1000	825.1575	-69.94	0.101	4	Pass
		1000	26000	17606.25	-60.30	0.933	20	Pass
802.11n40	Low	30	1000	779.5675	-77.87	0.016	4	Pass
		1000	26000	15893.75	-61.15	0.767	20	Pass
	High	30	1000	826.6125	-70.98	0.080	4	Pass
		1000	26000	17606.25	-60.88	0.817	20	Pass
802.11ac80	Middle	30	1000	891.1175	-77.80	0.017	4	Pass
		1000	26000	17918.75	-60.70	0.851	20	Pass

W52, Chain 1

Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11a	Low	30	1000	816.9125	-78.27	0.015	4	Pass
		1000	26000	17606.25	-61.10	0.776	20	Pass
	Middle	30	1000	868.3225	-77.79	0.017	4	Pass
		1000	26000	17606.25	-59.61	1.094	20	Pass
	High	30	1000	722.3375	-74.23	0.038	4	Pass
		1000	26000	18243.75	-60.90	0.813	20	Pass
802.11n20	Low	30	1000	824.6725	-72.04	0.063	4	Pass
	Low	1000	26000	17606.25	-60.83	0.826	20	Pass
	Middle	30	1000	826.1275	-70.73	0.085	4	Pass
		1000	26000	15881.25	-60.03	0.993	20	Pass
	High	30	1000	994.4225	-78.04	0.016	4	Pass
		1000	26000	17631.25	-60.83	0.826	20	Pass
802.11n40	Low	30	1000	825.1575	-72.62	0.055	4	Pass
		1000	26000	17606.25	-60.57	0.877	20	Pass
	High	30	1000	825.1575	-77.15	0.019	4	Pass
		1000	26000	17631.25	-61.04	0.787	20	Pass
802.11ac80	Middle	30	1000	911.4875	-78.25	0.015	4	Pass
		1000	26000	17618.75	-60.77	0.838	20	Pass

W52, Chain 0+Chain 1

Mode	Channel	Frequency Range		Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)	Result (dBm)	Result (nW)		
802.11n20	Low	30	1000	-69.19	0.121	4	Pass
		1000	26000	-58.09	1.552	20	Pass
	Middle	30	1000	-69.93	0.102	4	Pass
		1000	26000	-57.31	1.858	20	Pass
	High	30	1000	-69.31	0.117	4	Pass
		1000	26000	-57.55	1.758	20	Pass

Mode	Channel	Frequency Range		Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)	Result (dBm)	Result (nW)		
802.11n40	Low	30	1000	-71.49	0.071	4	Pass
		1000	26000	-57.84	1.644	20	Pass
	High	30	1000	-70.04	0.099	4	Pass
		1000	26000	-57.95	1.603	20	Pass
802.11ac80	Middle	30	1000	-75.01	0.032	4	Pass
		1000	26000	-57.72	1.690	20	Pass

W53, Chain 0

Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11a	Low	30	1000	834.3725	-78.36	0.015	4	Pass
		1000	26000	17931.25	-61.02	0.791	20	Pass
	Middle	30	1000	623.8825	-78.13	0.015	4	Pass
		1000	26000	17618.75	-60.39	0.914	20	Pass
	High	30	1000	824.6725	-76.15	0.024	4	Pass
		1000	26000	17668.75	-61.16	0.766	20	Pass
802.11n20	Low	30	1000	906.1525	-75.51	0.028	4	Pass
		1000	26000	17631.25	-61.13	0.771	20	Pass
	Middle	30	1000	704.8775	-73.68	0.043	4	Pass
		1000	26000	19593.75	-60.53	0.885	20	Pass
	High	30	1000	956.1075	-78.22	0.015	4	Pass
		1000	26000	17631.25	-61.34	0.735	20	Pass
802.11n40	Low	30	1000	692.7525	-77.91	0.016	4	Pass
		1000	26000	17606.25	-60.53	0.885	20	Pass
	High	30	1000	825.1575	-70.05	0.099	4	Pass
		1000	26000	15881.25	-60.86	0.820	20	Pass
802.11ac80	Middle	30	1000	825.6425	-73.26	0.047	4	Pass
		1000	26000	15806.25	-60.02	0.995	20	Pass

W53, Chain 1

Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11a	Low	30	1000	833.4025	-76.04	0.025	4	Pass
		1000	26000	15881.25	-60.38	0.916	20	Pass
	Middle	30	1000	824.6725	-74.57	0.035	4	Pass
		1000	26000	18293.75	-60.02	0.995	20	Pass
	High	30	1000	802.3625	-78.08	0.016	4	Pass
		1000	26000	17606.25	-60.88	0.817	20	Pass
802.11n20	Low	30	1000	905.1825	-65.51	0.281	4	Pass
		1000	26000	18256.25	-60.62	0.867	20	Pass
	Middle	30	1000	888.6925	-77.99	0.016	4	Pass
		1000	26000	17631.25	-60.82	0.828	20	Pass
	High	30	1000	267.4075	-77.36	0.018	4	Pass
		1000	26000	19268.75	-60.84	0.824	20	Pass
802.11n40	Low	30	1000	625.3375	-77.84	0.016	4	Pass
		1000	26000	15881.25	-60.73	0.845	20	Pass
	High	30	1000	855.2275	-77.61	0.017	4	Pass
		1000	26000	15806.25	-61.12	0.773	20	Pass
802.11ac80	Middle	30	1000	980.8425	-77.88	0.016	4	Pass
		1000	26000	18943.75	-60.41	0.910	20	Pass

W53, Chain 0+Chain 1

Mode	Channel	Frequency Range		Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)	Result (dBm)	Result (nW)		
802.11n20	Low	30	1000	-65.10	0.309	4	Pass
		1000	26000	-57.86	1.637	20	Pass
	Middle	30	1000	-72.31	0.059	4	Pass
		1000	26000	-57.66	1.714	20	Pass
	High	30	1000	-74.76	0.033	4	Pass
		1000	26000	-58.07	1.560	20	Pass
802.11n40	Low	30	1000	-74.86	0.033	4	Pass
		1000	26000	-57.62	1.730	20	Pass
	High	30	1000	-69.35	0.116	4	Pass
		1000	26000	-57.98	1.592	20	Pass
802.11ac80	Middle	30	1000	-71.97	0.064	4	Pass
		1000	26000	-57.20	1.905	20	Pass

W56, Chain 0

Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11a	Low	30	1000	833.4025	-72.27	0.059	4	Pass
		1000	26000	17606.25	-60.64	0.863	20	Pass
	Middle	30	1000	705.3625	-73.92	0.041	4	Pass
		1000	26000	15893.75	-61.07	0.782	20	Pass
	High	30	1000	721.8525	-72.67	0.054	4	Pass
	High	1000	26000	17943.75	-60.78	0.836	20	Pass
802.11n20	Low	30	1000	826.6125	-70.54	0.088	4	Pass
		1000	26000	19631.25	-60.49	0.893	20	Pass
	Middle	30	1000	828.0675	-70.22	0.095	4	Pass
		1000	26000	17906.25	-60.87	0.818	20	Pass
	High	30	1000	828.0675	-70.04	0.099	4	Pass
		1000	26000	17606.25	-60.29	0.935	20	Pass
802.11n40	Low	30	1000	722.3375	-73.72	0.042	4	Pass
		1000	26000	15806.25	-60.67	0.857	20	Pass
	Middle	30	1000	824.6725	-76.59	0.022	4	Pass
		1000	26000	19593.75	-60.91	0.811	20	Pass
	High	30	1000	825.6425	-67.91	0.162	4	Pass
		1000	26000	15806.25	-60.89	0.815	20	Pass
802.11ac80	Low	30	1000	904.6975	-73.25	0.047	4	Pass
		1000	26000	1768.75	-58.86	1.300	20	Pass
	Middle	30	1000	705.3625	-76.72	0.021	4	Pass
		1000	26000	17618.75	-61.02	0.791	20	Pass
	High	30	1000	704.8775	-73.49	0.045	4	Pass
		1000	26000	19606.25	-59.88	1.028	20	Pass

W56, Chain 1

Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11a	Low	30	1000	958.5325	-77.18	0.019	4	Pass
		1000	26000	1768.75	-60.24	0.946	20	Pass
	Middle	30	1000	704.3925	-76.41	0.023	4	Pass
		1000	26000	17618.75	-60.42	0.908	20	Pass
	High	30	1000	709.7275	-75.71	0.027	4	Pass
		1000	26000	15818.75	-60.43	0.906	20	Pass

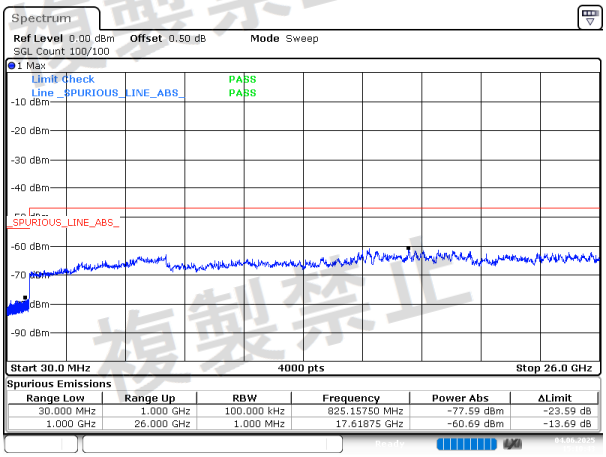
Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11n20	Low	30	1000	825.1575	-66.95	0.202	4	Pass
		1000	26000	17606.25	-58.63	1.371	20	Pass
	Middle	30	1000	825.6425	-73.15	0.048	4	Pass
		1000	26000	17606.25	-61.21	0.757	20	Pass
	High	30	1000	825.6425	-77.33	0.018	4	Pass
		1000	26000	17606.25	-60.87	0.818	20	Pass
802.11n40	Low	30	1000	980.8425	-77.49	0.018	4	Pass
		1000	26000	15868.75	-60.63	0.865	20	Pass
	Middle	30	1000	825.6425	-69.09	0.123	4	Pass
		1000	26000	19593.75	-60.31	0.931	20	Pass
	High	30	1000	999.2725	-78.36	0.015	4	Pass
		1000	26000	15893.75	-60.86	0.820	20	Pass
802.11ac80	Low	30	1000	862.0175	-77.21	0.019	4	Pass
		1000	26000	15818.75	-60.16	0.964	20	Pass
	Middle	30	1000	704.8775	-71.17	0.076	4	Pass
		1000	26000	15906.25	-61.03	0.789	20	Pass
	High	30	1000	704.8775	-71.54	0.070	4	Pass
		1000	26000	15881.25	-60.45	0.902	20	Pass

W56, Chain 0+Chain 1

Mode	Channel	Frequency Range		Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)	Result (dBm)	Result (nW)		
802.11n20	Low	30	1000	-65.37	0.290	4	Pass
		1000	26000	-56.45	2.265	20	Pass
	Middle	30	1000	-68.43	0.144	4	Pass
		1000	26000	-58.03	1.574	20	Pass
	High	30	1000	-69.30	0.117	4	Pass
		1000	26000	-57.56	1.754	20	Pass
802.11n40	Low	30	1000	-72.20	0.060	4	Pass
		1000	26000	-57.64	1.722	20	Pass
	Middle	30	1000	-68.38	0.145	4	Pass
		1000	26000	-57.59	1.742	20	Pass
	High	30	1000	-67.54	0.176	4	Pass
		1000	26000	-57.86	1.637	20	Pass
802.11ac80	Low	30	1000	-71.78	0.066	4	Pass
		1000	26000	-56.45	2.265	20	Pass
	Middle	30	1000	-70.10	0.098	4	Pass
		1000	26000	-58.01	1.581	20	Pass
	High	30	1000	-69.40	0.115	4	Pass
		1000	26000	-57.15	1.928	20	Pass

W52, Chain 0, Test Condition: NV

802.11a, Low Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
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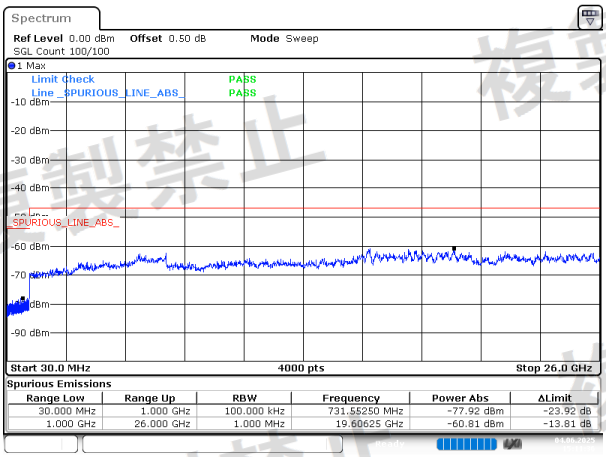
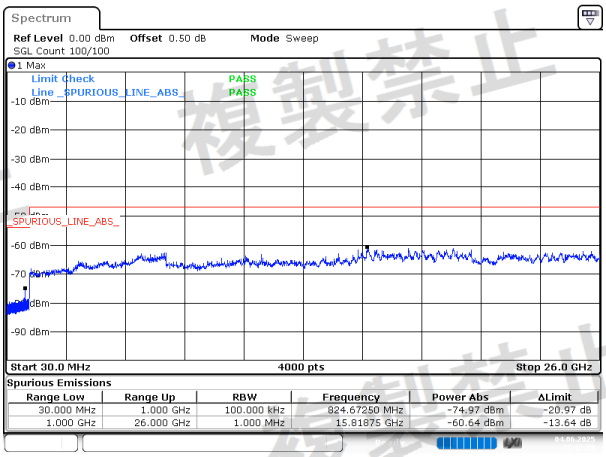
802.11a, Middle Channel(30MHz~26GHz)



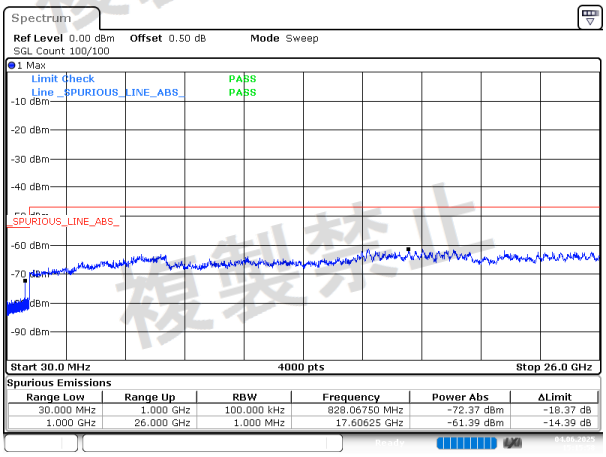
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:11:37

802.11a, High Channel(30MHz~26GHz)



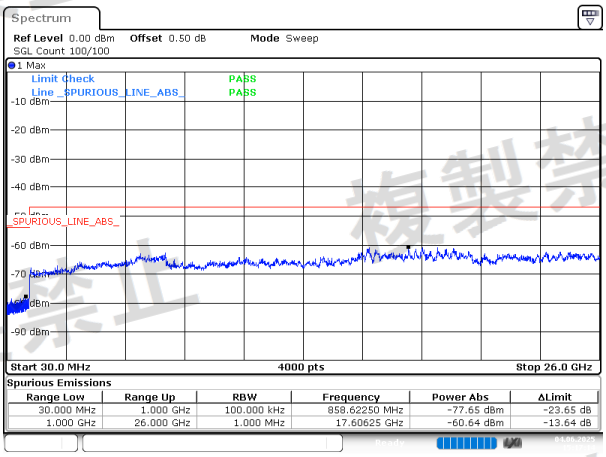
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:12:28

802.11n20, Low Channel(30MHz~26GHz)



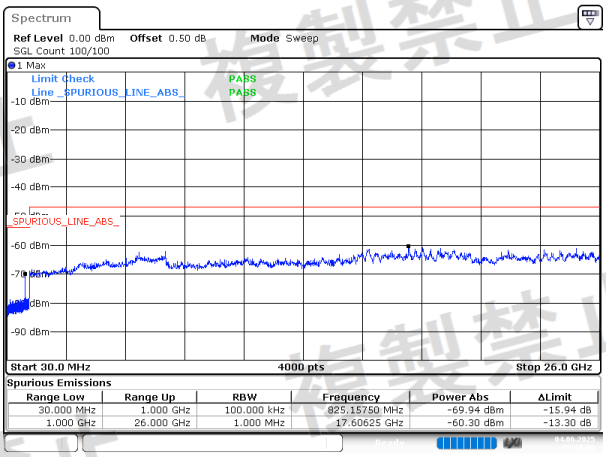
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:15:58

802.11n20, Middle Channel(30MHz~26GHz)



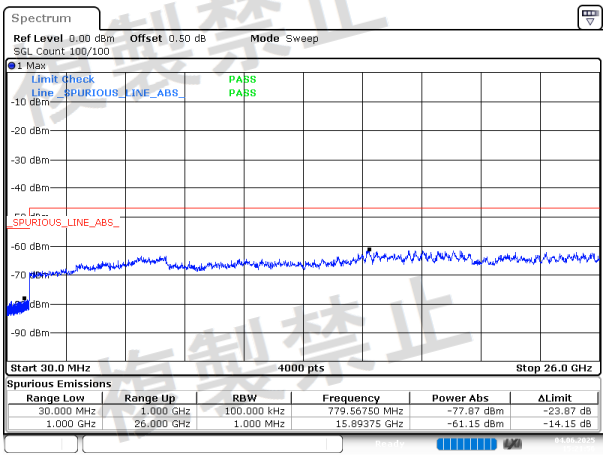
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:17:14

802.11n20, High Channel(30MHz~26GHz)



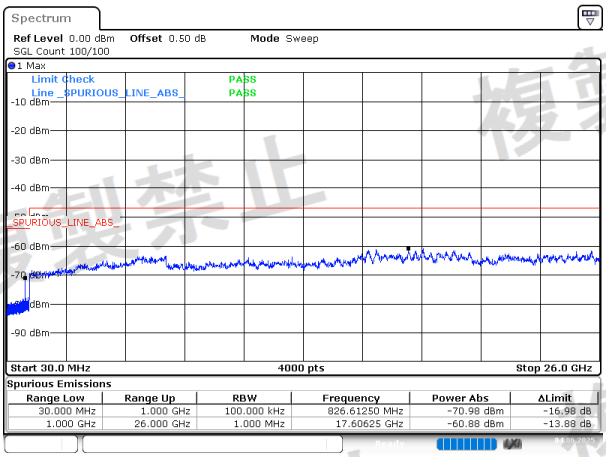
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:18:09

802.11n40, Low Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:21:56

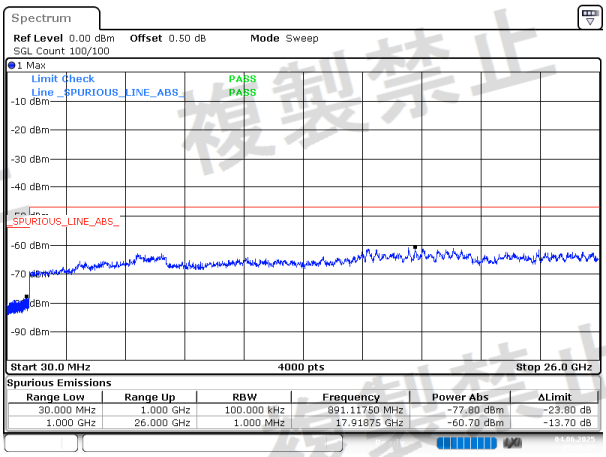
802.11n40, High Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:22:59

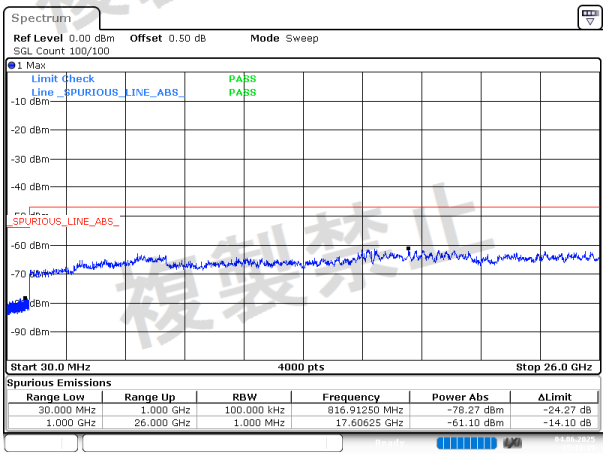
W52, Chain 1, Test Condition: NV

802.11ac80, Middle Channel(30MHz~26GHz)



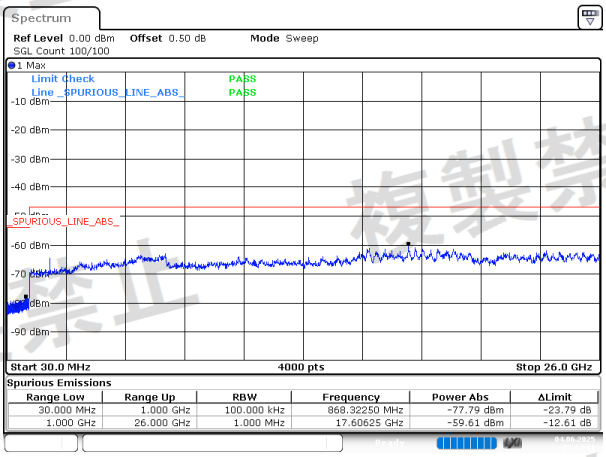
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:26:27

802.11a, Low Channel(30MHz~26GHz)



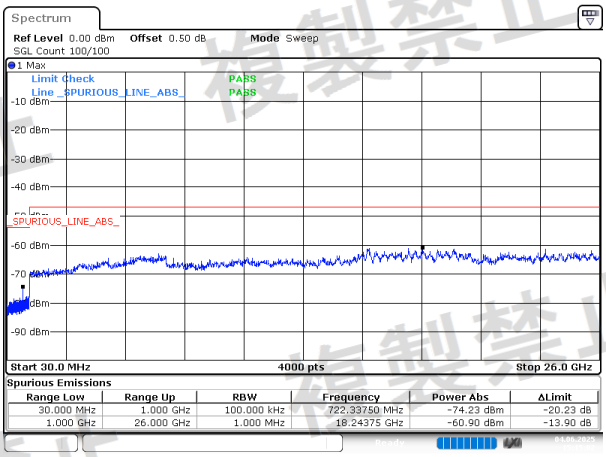
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:13:19

802.11a, Middle Channel(30MHz~26GHz)



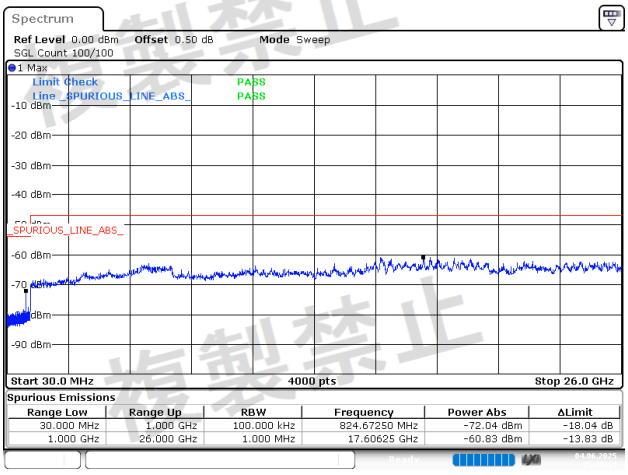
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:14:11

802.11a, High Channel(30MHz~26GHz)



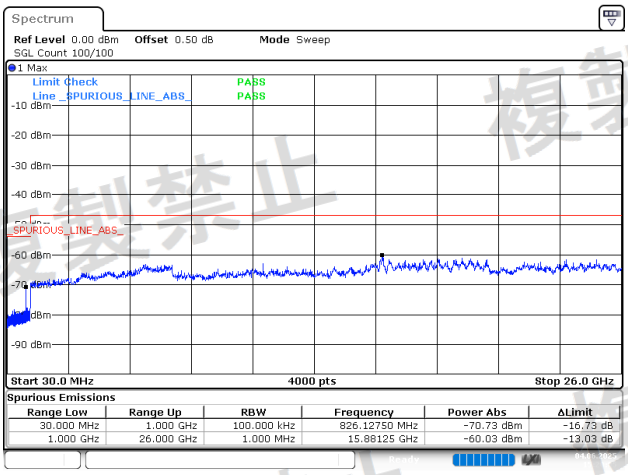
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:15:03

802.11n20, Low Channel(30MHz~26GHz)



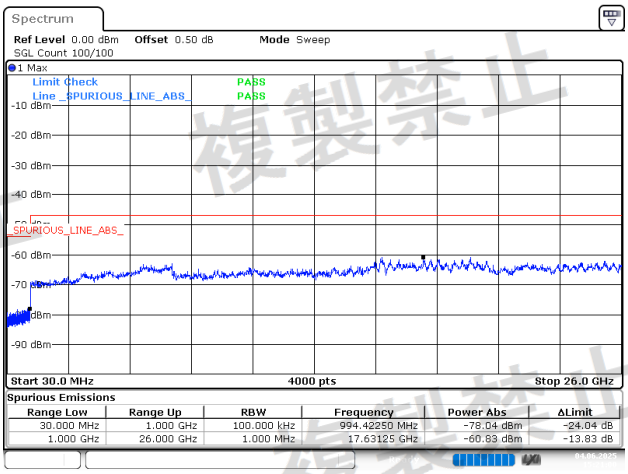
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:19:14

802.11n20, Middle Channel(30MHz~26GHz)



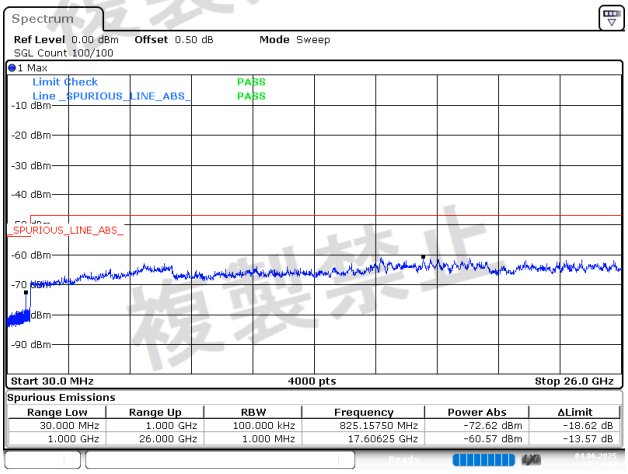
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:20:05

802.11n20, High Channel(30MHz~26GHz)



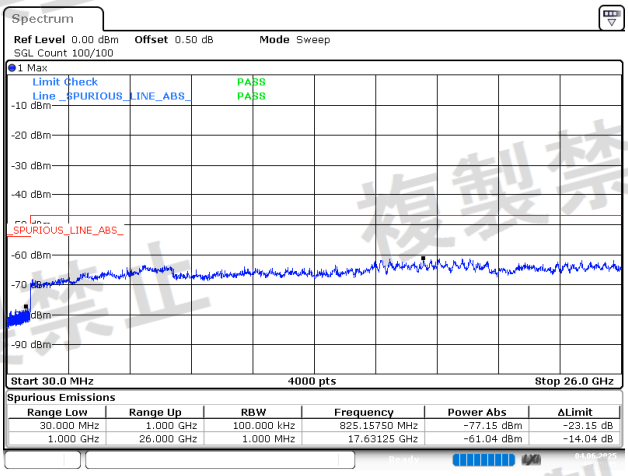
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:21:01

802.11n40, Low Channel(30MHz~26GHz)



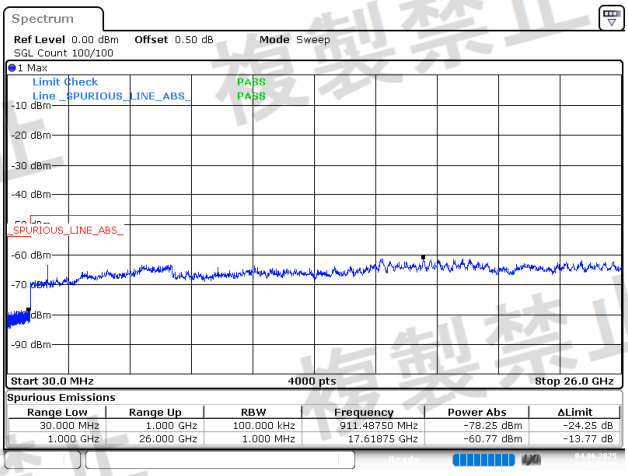
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:24:15

802.11n40, High Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:25:05

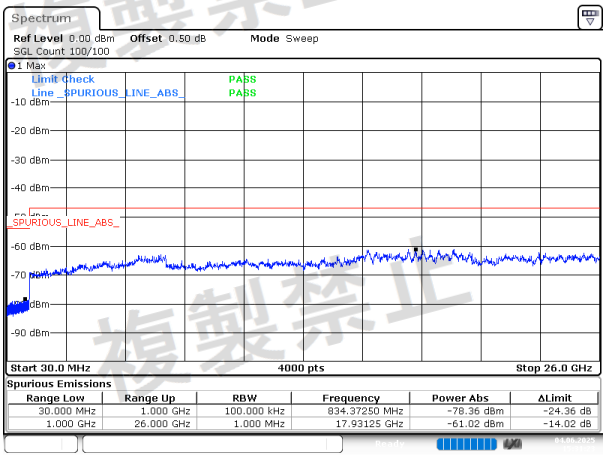
802.11ac80, Middle Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:27:18

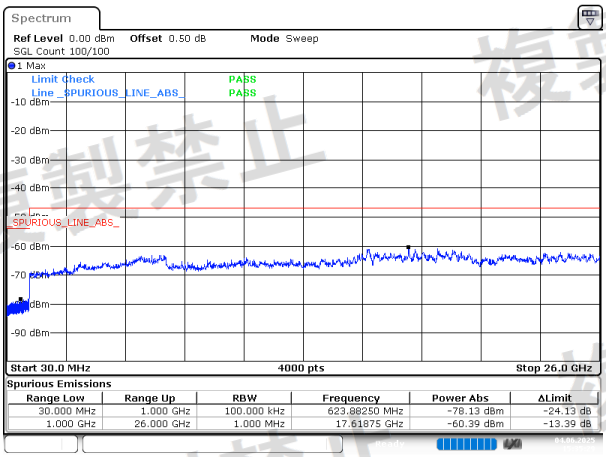
W53, Chain 0, Test Condition: NV

802.11a, Low Channel(30MHz~26GHz)



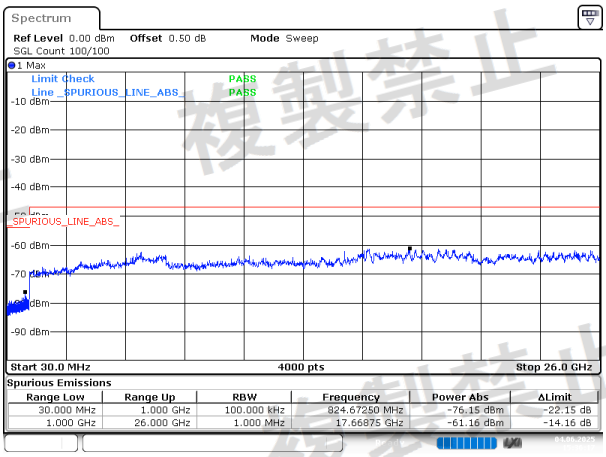
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:31:23

802.11a, Middle Channel(30MHz~26GHz)



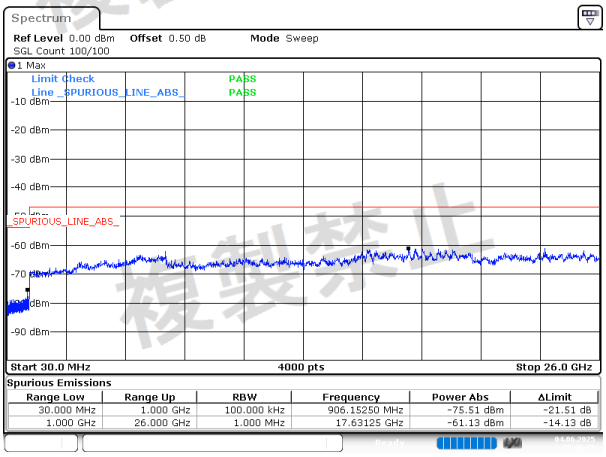
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:35:29

802.11a, High Channel(30MHz~26GHz)



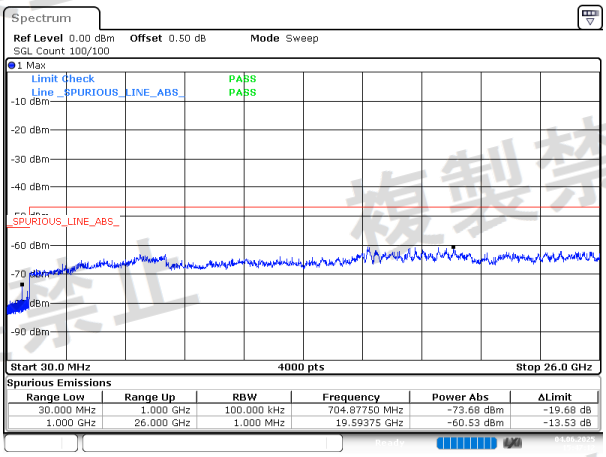
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:36:17

802.11n20, Low Channel(30MHz~26GHz)



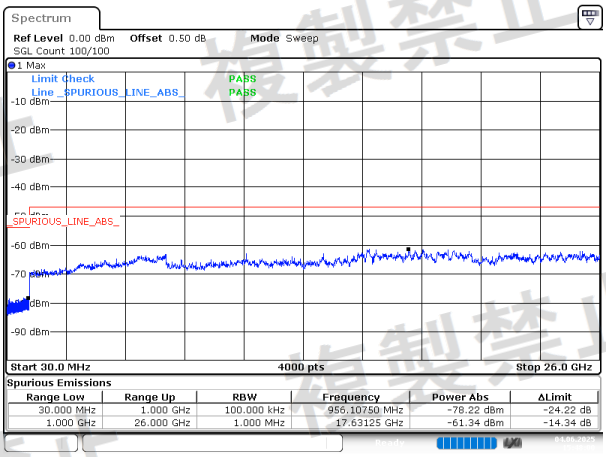
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:46:15

802.11n20, Middle Channel(30MHz~26GHz)



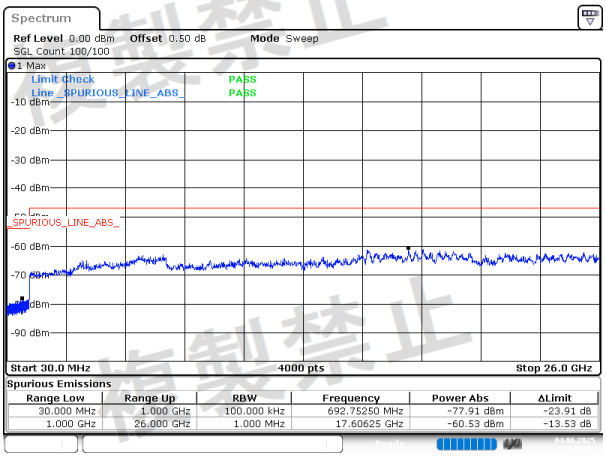
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:47:12

802.11n20, High Channel(30MHz~26GHz)



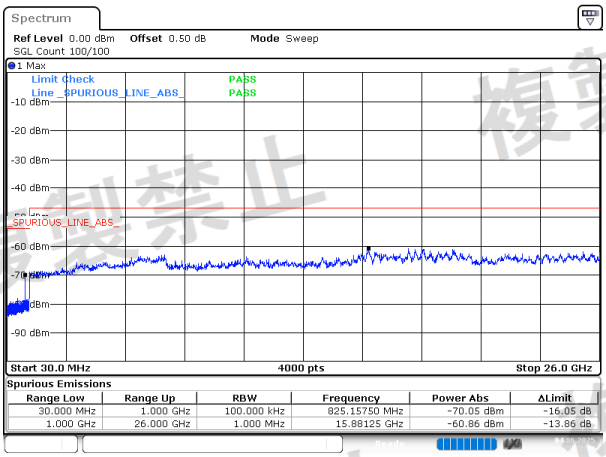
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:48:00

802.11n40, Low Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:51:43

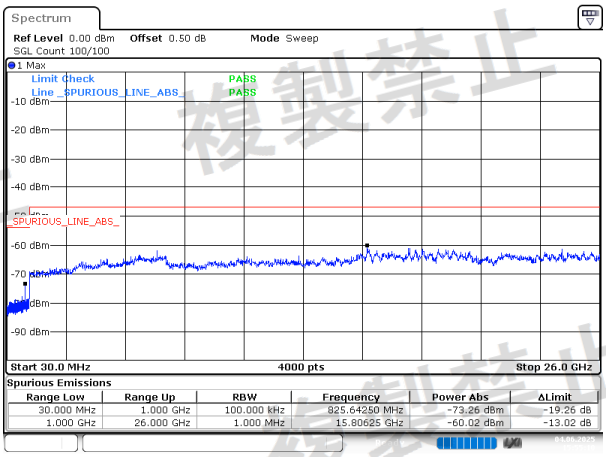
802.11n40, High Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:52:41

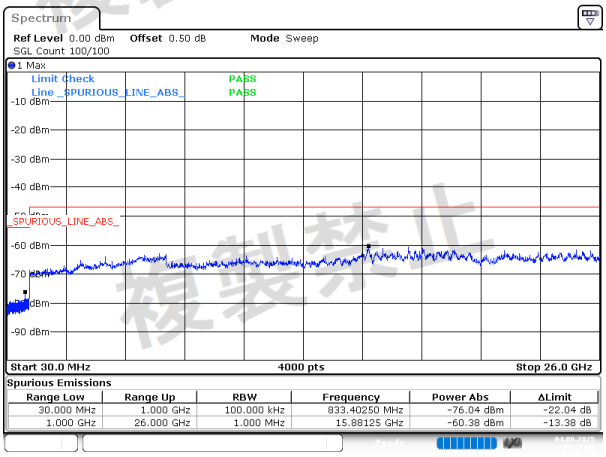
W53, Chain 1, Test Condition: NV

802.11ac80, Middle Channel(30MHz~26GHz)



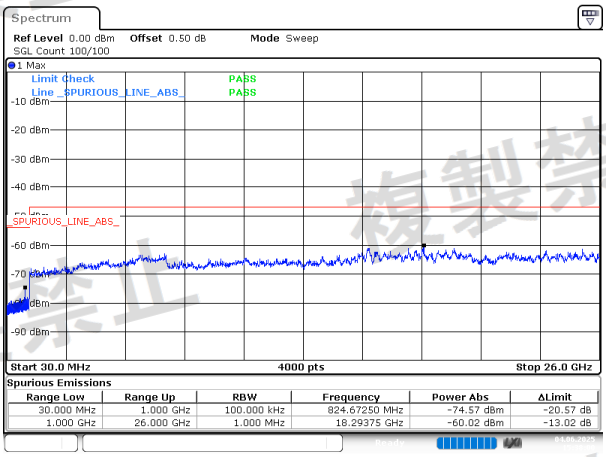
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:55:10

802.11a, Low Channel(30MHz~26GHz)



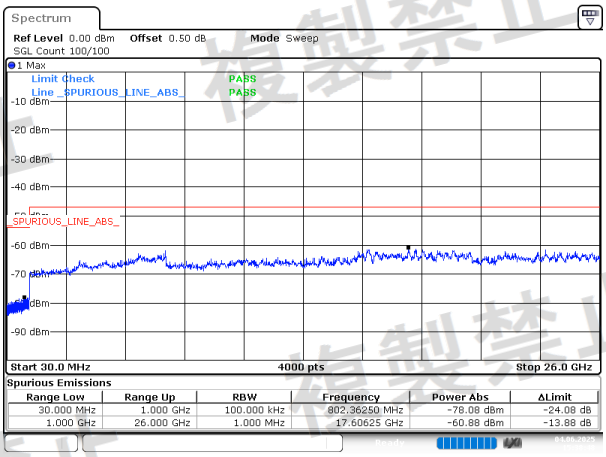
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:37:05

802.11a, Middle Channel(30MHz~26GHz)



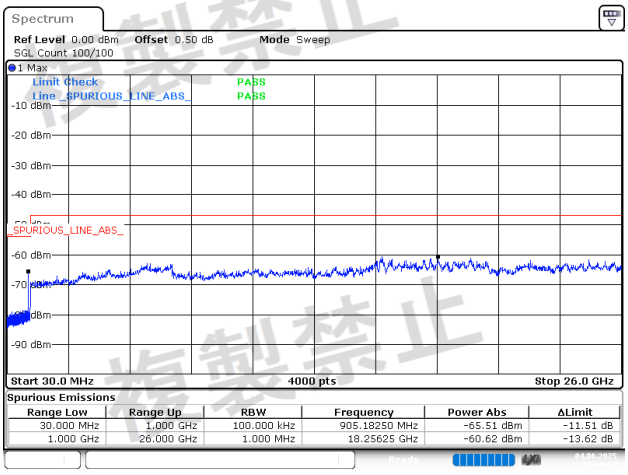
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:38:00

802.11a, High Channel(30MHz~26GHz)



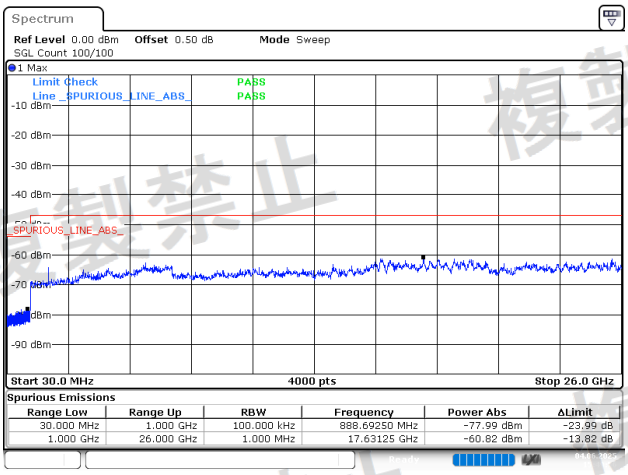
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:38:48

802.11n20, Low Channel(30MHz~26GHz)



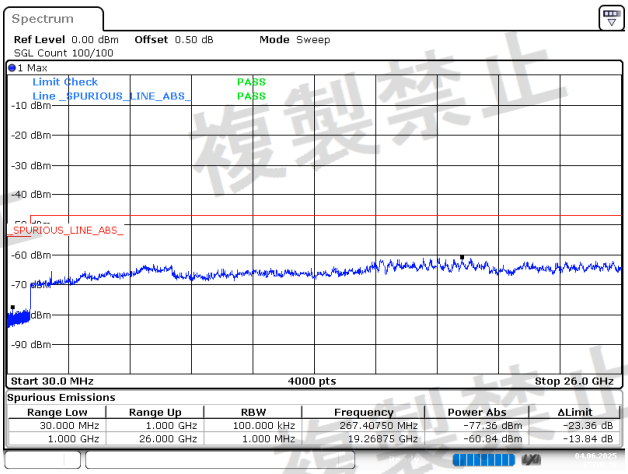
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:48:53

802.11n20, Middle Channel(30MHz~26GHz)



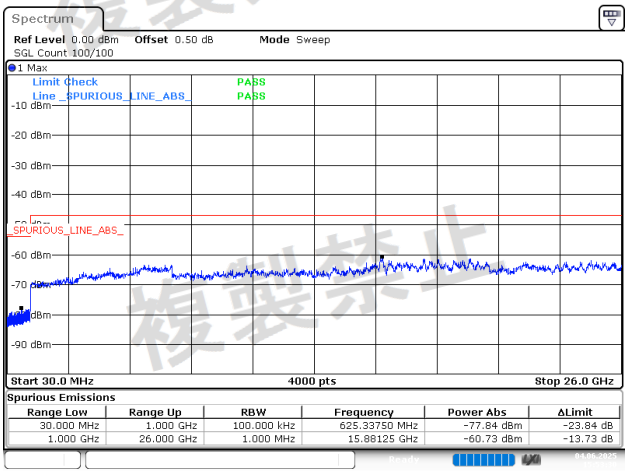
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:49:56

802.11n20, High Channel(30MHz~26GHz)



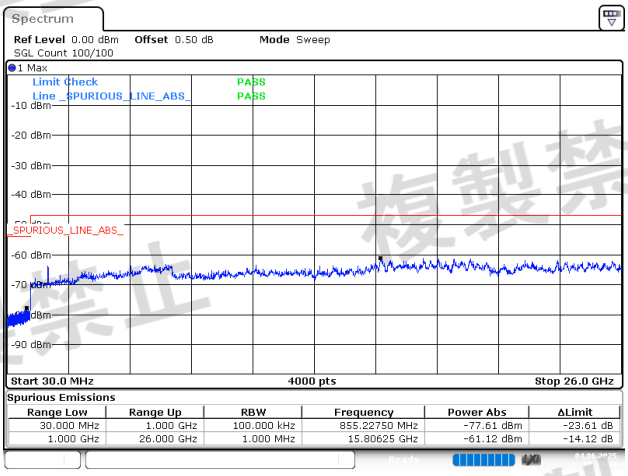
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:50:46

802.11n40, Low Channel(30MHz~26GHz)



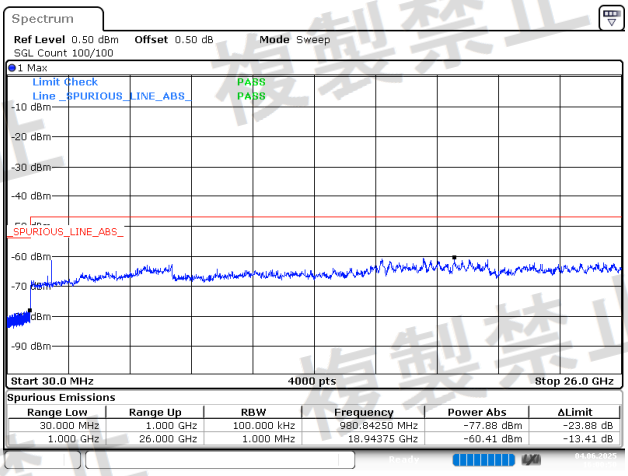
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:53:30

802.11n40, High Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 15:54:20

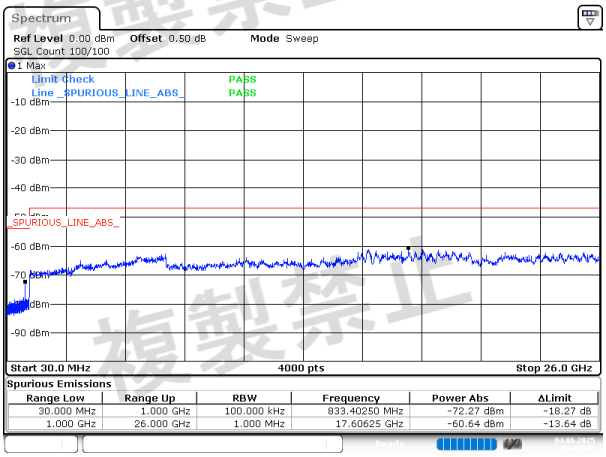
802.11ac80, Middle Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:00:51

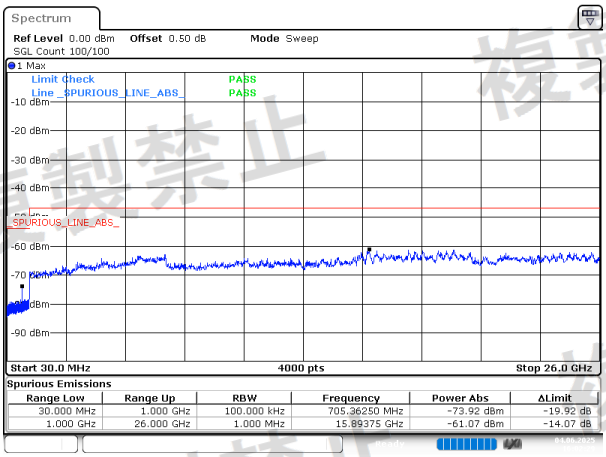
W56, Chain 0, Test Condition: NV

802.11a, Low Channel(30MHz~26GHz)



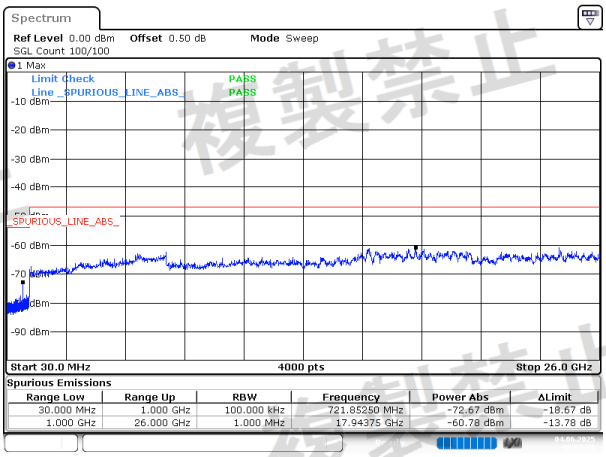
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:01:40

802.11a, Middle Channel(30MHz~26GHz)



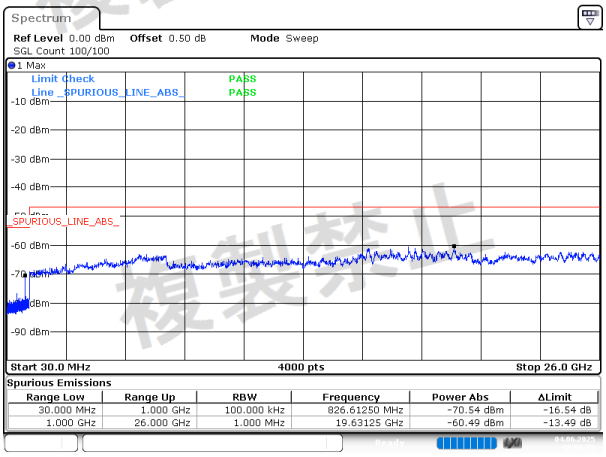
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:02:29

802.11a, High Channel(30MHz~26GHz)



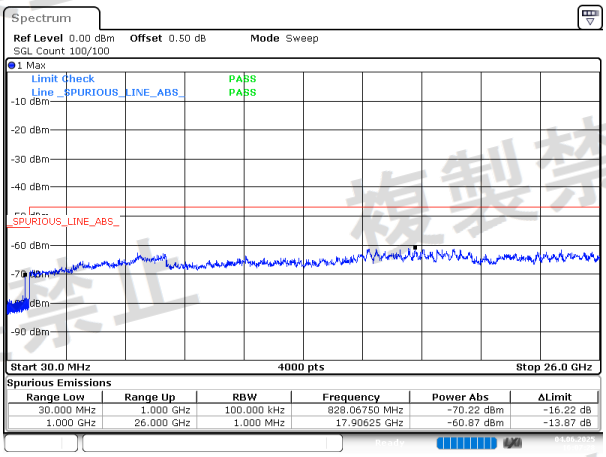
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:03:18

802.11n20, Low Channel(30MHz~26GHz)



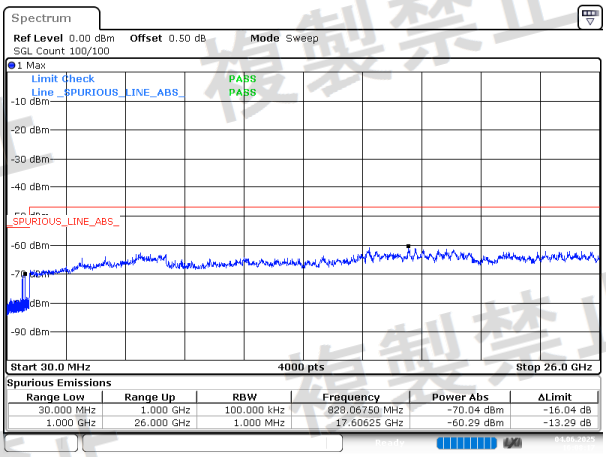
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:06:35

802.11n20, Middle Channel(30MHz~26GHz)



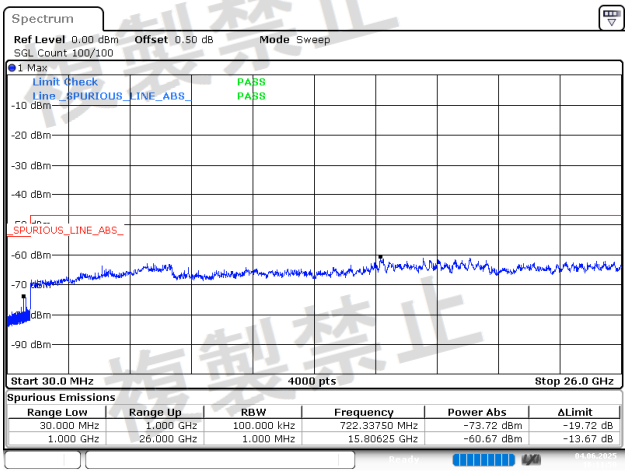
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:07:28

802.11n20, High Channel(30MHz~26GHz)



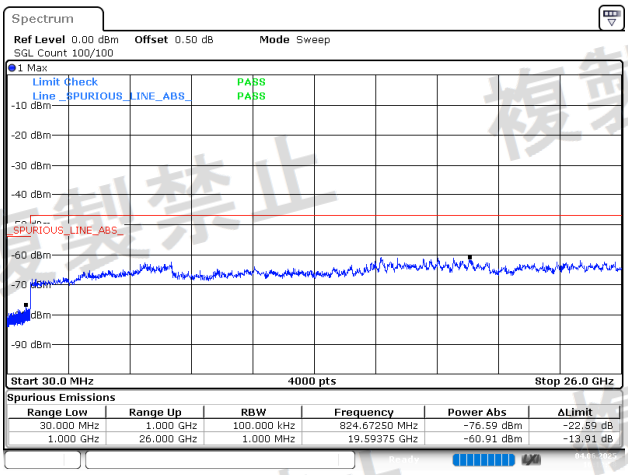
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:08:17

802.11n40, Low Channel(30MHz~26GHz)



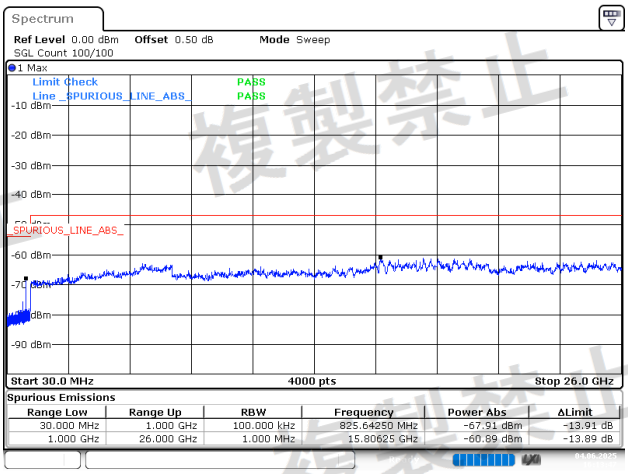
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:11:50

802.11n40, Middle Channel(30MHz~26GHz)



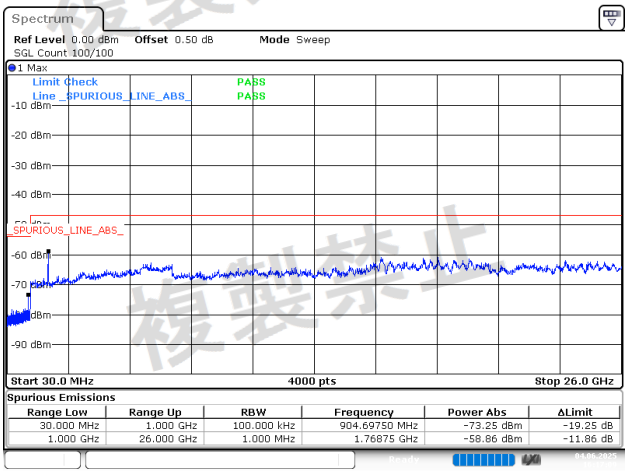
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:12:58

802.11n40, High Channel(30MHz~26GHz)



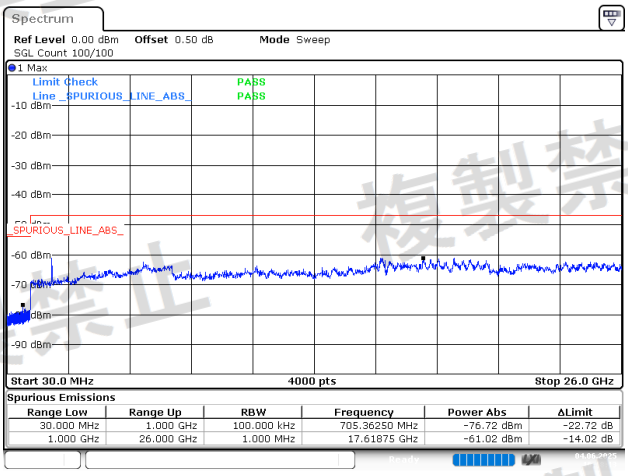
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:13:47

802.11ac80, Low Channel(30MHz~26GHz)



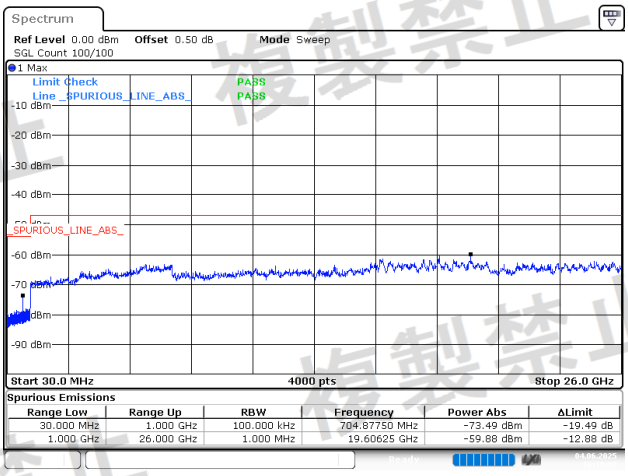
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:17:09

802.11ac80, Middle Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:18:13

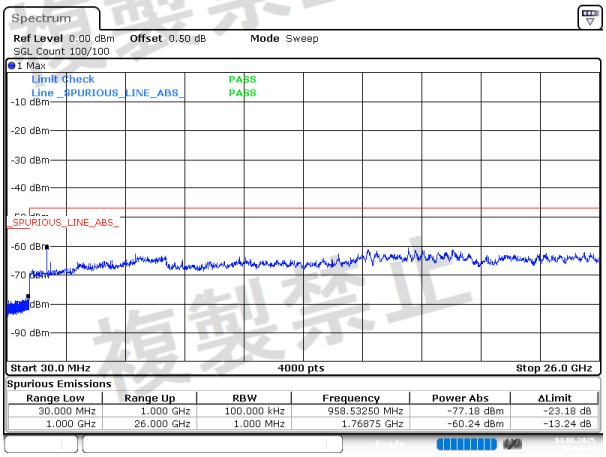
802.11ac80, High Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:19:03

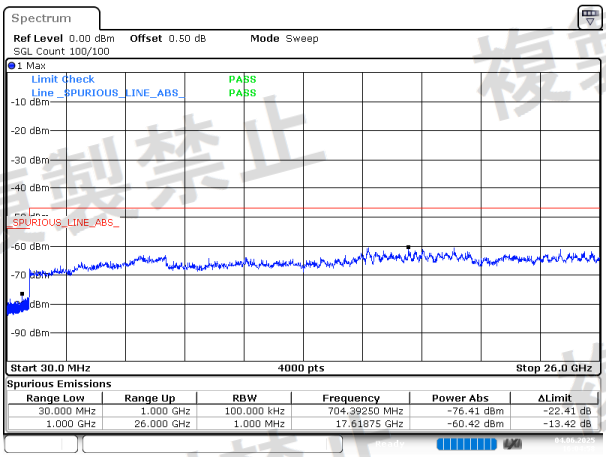
W56, Chain 1, Test Condition: NV

802.11a, Low Channel(30MHz~26GHz)



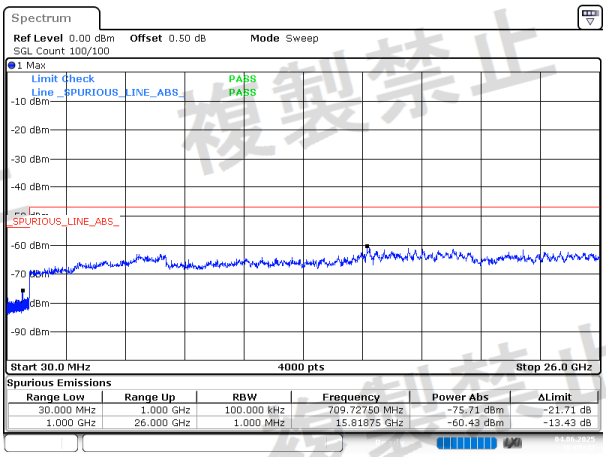
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:04:09

802.11a, Middle Channel(30MHz~26GHz)



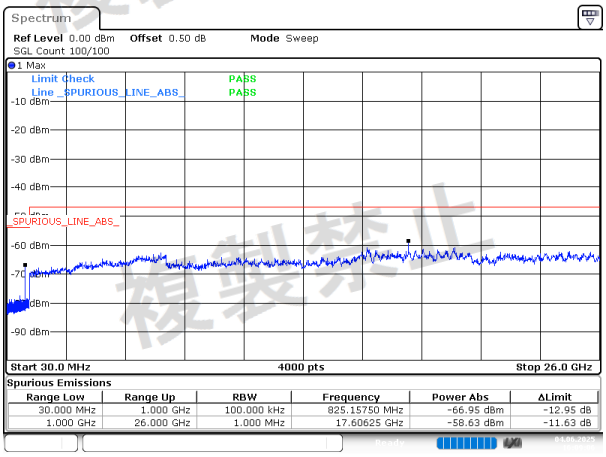
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:04:58

802.11a, High Channel(30MHz~26GHz)



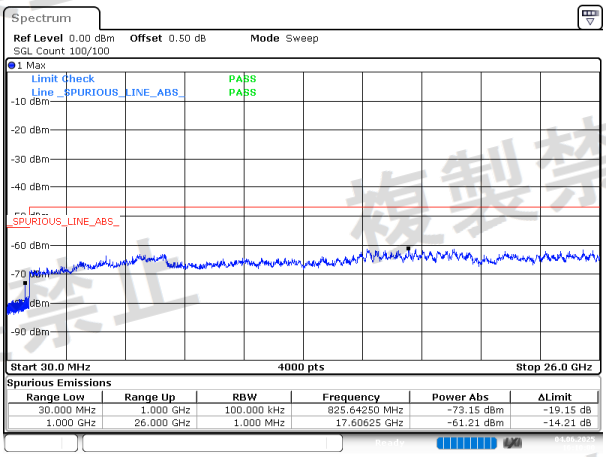
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:05:47

802.11n20, Low Channel(30MHz~26GHz)



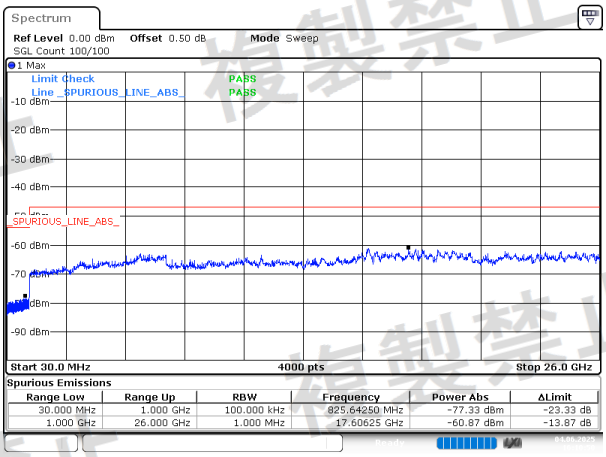
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:09:06

802.11n20, Middle Channel(30MHz~26GHz)



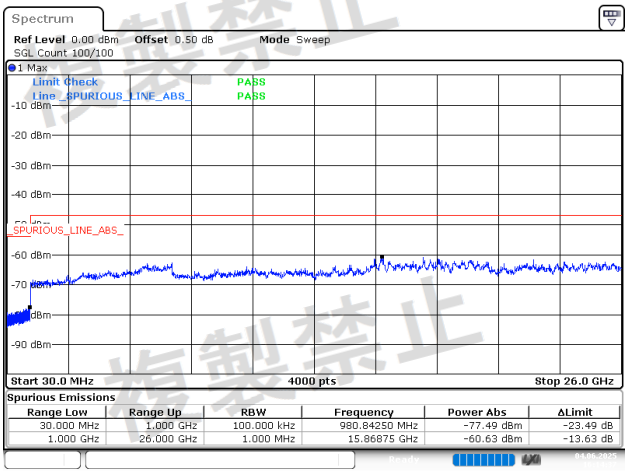
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:10:01

802.11n20, High Channel(30MHz~26GHz)



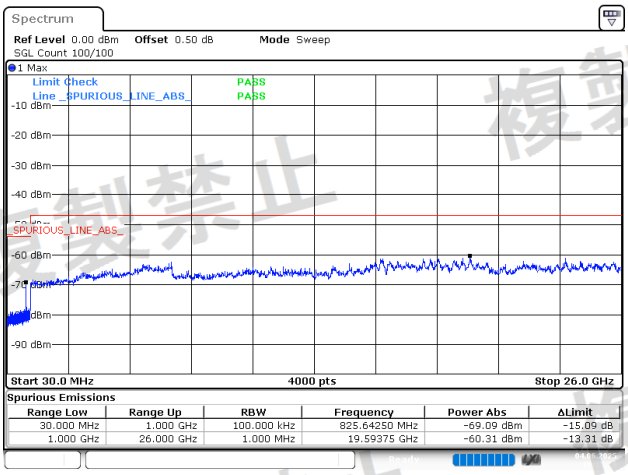
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:10:50

802.11n40, Low Channel(30MHz~26GHz)



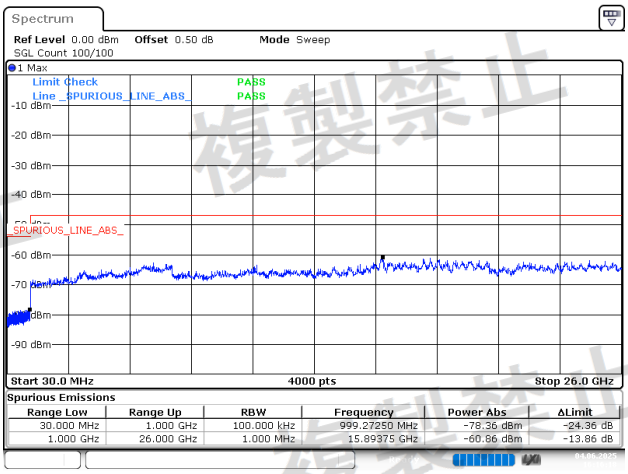
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:14:38

802.11n40, Middle Channel(30MHz~26GHz)



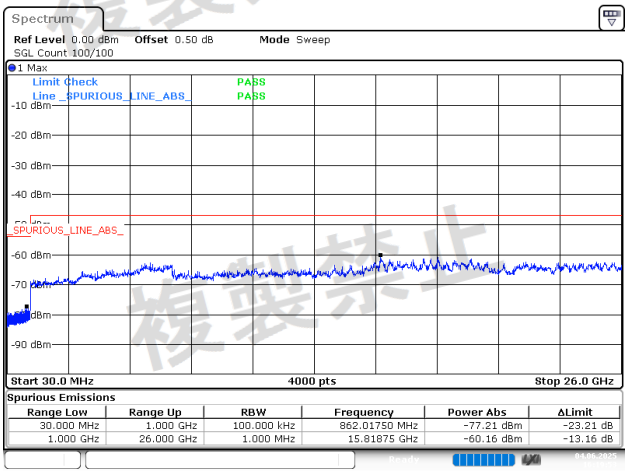
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:15:29

802.11n40, High Channel(30MHz~26GHz)



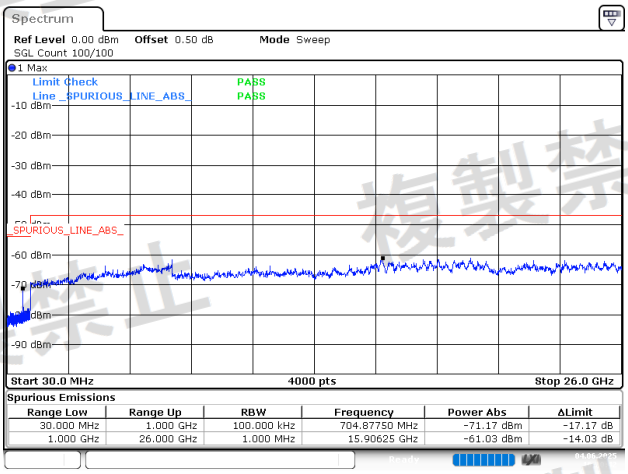
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:16:18

802.11ac80, Low Channel(30MHz~26GHz)



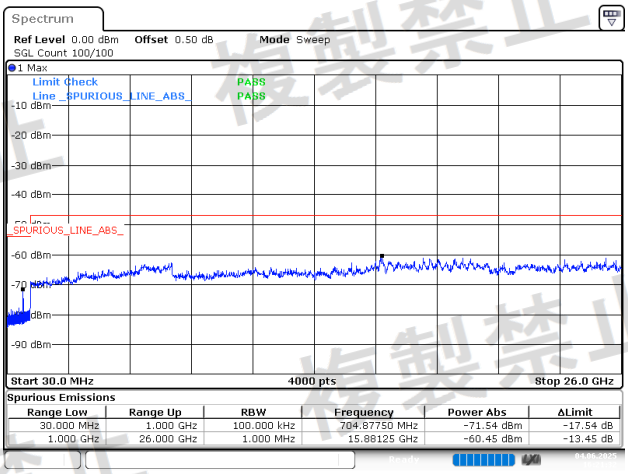
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:19:54

802.11ac80, Middle Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:20:43

802.11ac80, High Channel(30MHz~26GHz)



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 4.JUN.2025 16:21:32

Transmission Burst Length

Test Information:

Serial No.:	31QQ-1	**Test Date:**	2025/06/07
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Cooper Zhou	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	24.9~25.8	**Relative Humidity: (%)**	61~72	**ATM Pressure: (kPa)**	99.7~100.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12	BACL(DG)	D
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04	BACL Metrology	C

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

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

C. Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c).

Test Condition: NV

W52, Chain 0

Test Mode	Test Frequency (MHz)	Transmission Burst Length (ms)	Limit	Verdict
802.11a	5180	0.715	≤ 8	Pass
802.11n20	5180	0.371	≤ 8	Pass
802.11n40	5190	0.425	≤ 8	Pass
802.11ac80	5210	1.338	≤ 8	Pass

W53, Chain 0

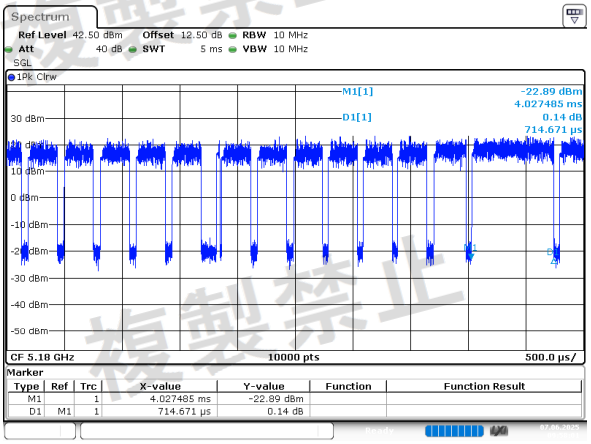
Test Mode	Test Frequency (MHz)	Transmission Burst Length (ms)	Limit	Verdict
802.11a	5260	1.785	≤ 8	Pass
802.11n20	5260	1.491	≤ 8	Pass
802.11n40	5270	1.366	≤ 8	Pass
802.11ac80	5290	1.439	≤ 8	Pass

W56, Chain 0

Test Mode	Test Frequency (MHz)	Transmission Burst Length (ms)	Limit	Verdict
802.11a	5500	1.334	≤ 8	Pass
802.11n20	5500	1.521	≤ 8	Pass
802.11n40	5510	2.201	≤ 8	Pass
802.11ac80	5530	0.882	≤ 8	Pass

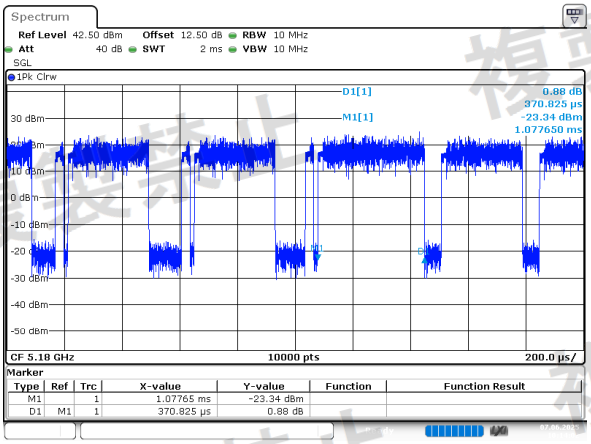
W52, Test Condition: NV

802.11a, Low Channel



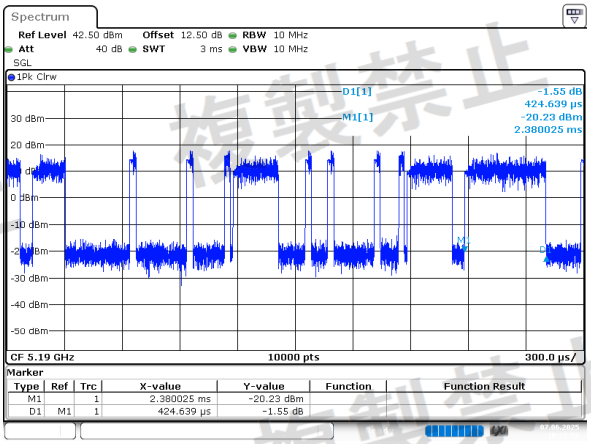
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 09:58:01

802.11n20, Low Channel



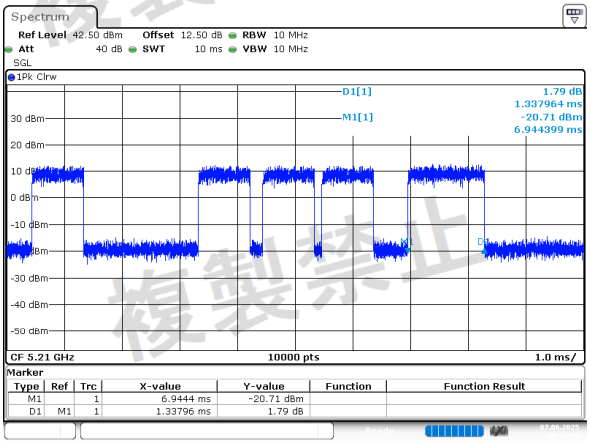
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:14:03

802.11n40, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:22:58

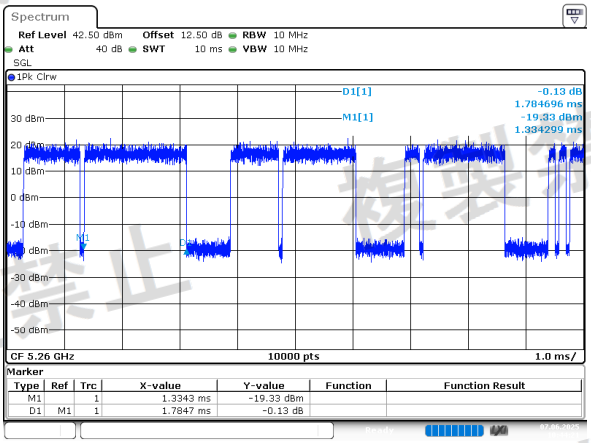
802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:32:00

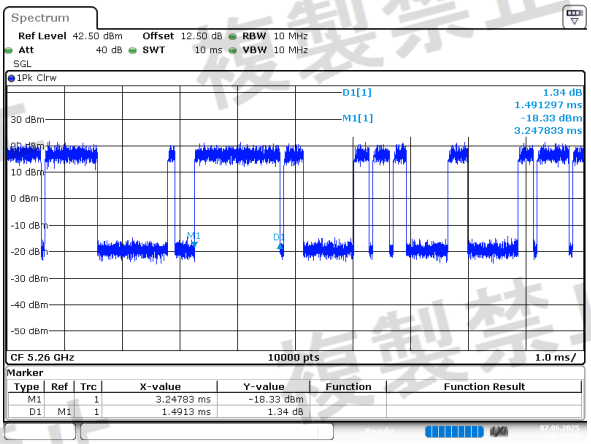
W53, Test Condition: NV

802.11a, Low Channel



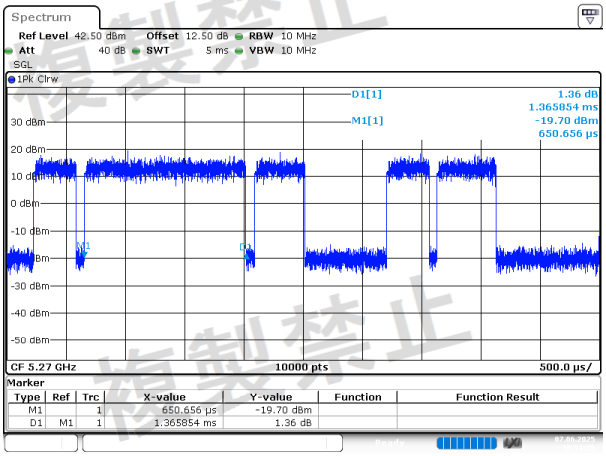
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:44:21

802.11n20, Low Channel



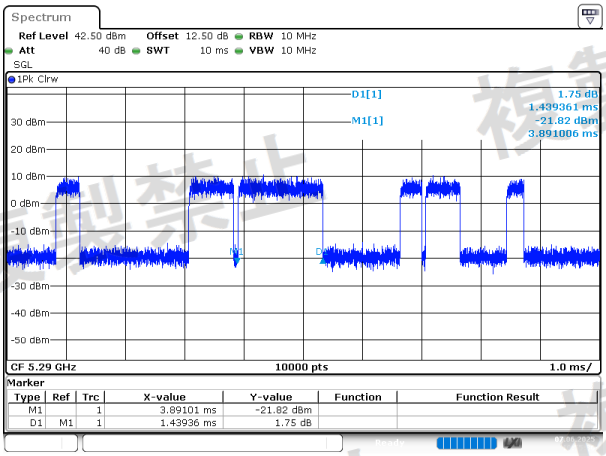
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:45:52

802.11n40, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:51:26

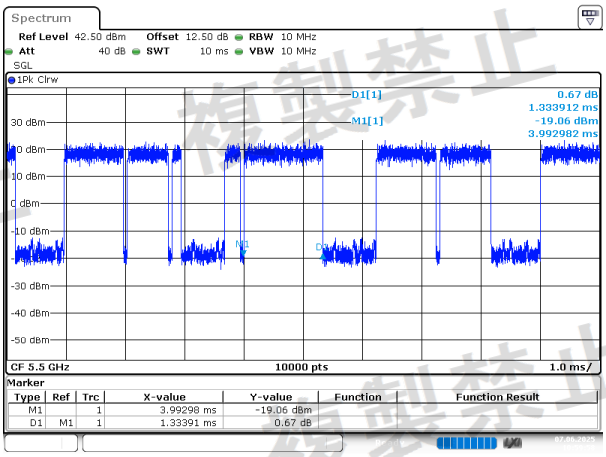
802.11ac80, Middle Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:55:35

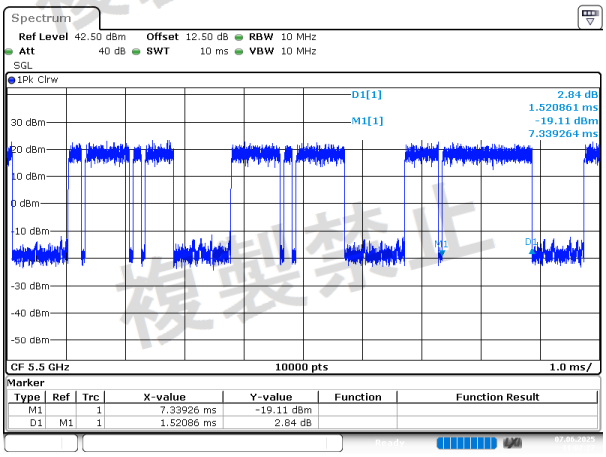
W56, Test Condition: NV

802.11a, Low Channel



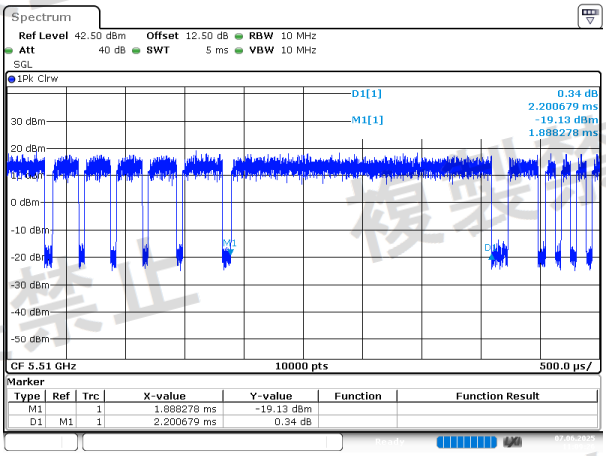
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 10:59:57

802.11n20, Low Channel



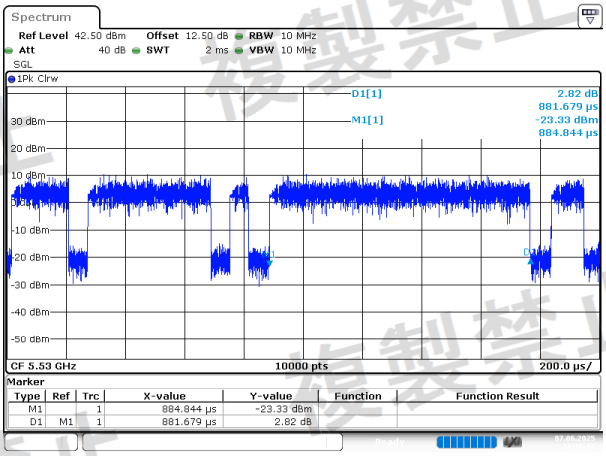
ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 11:02:26

802.11n40, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 11:09:26

802.11ac80, Low Channel



ProjectNo.:2502S54932E-RF Tester:Cooper Zhou
Date: 7.JUN.2025 11:16:12

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