



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

JAPAN MIC

TEST REPORT

Applicant: Shenzhen Jiteng Network Technology Co., Ltd.

Address: Floor 7, Building B, Boton Science and Technology Park, Chaguang Road, Xili Street, Nanshan District, Shenzhen China

Product Name: Industrial PC

Model Number: IX12, IX13, IX14, IX15, IX19

Type of Equipment: Certification Ordinance Article 2, Paragraph 1, Item 19-3

Test method(s): 5 G H z 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.)

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

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Test Facility

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

Declarations

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2503W07836E-RF-07D	Original Report	2025/10/15

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Industrial PC
Trade Name:	GEEKOM
EUT Model:	IX12
Multiple Models:	IX13, IX14, IX15, IX19
Frequency Range:	802.11a/n ht20/ac vht20/ax he20: 5180-5240MHz 802.11n ht40/ac vht40/ax he40: 5190/5230MHz 802.11ac vht80/ax he80: 5210MHz
Declared Power (Conducted):	802.11a: 1.3mW/MHz 802.11n ht20/ac vht20: 1.9mW/MHz 802.11n ht40/ac vht40: 0.8mW/MHz 802.11ac vht80: 0.4mW/MHz 802.11ax he20: 2.1mW/MHz 802.11ax he40: 0.8mW/MHz 802.11ax he80: 0.5mW/MHz
Number of TX Chain(s):	2
Number of RX Chain(s):	2
Antenna Gain[▲]:	Chain 0 (Main Antenna): 5.93 dBi Chain 1(Aux Antenna): 5.93 dBi
Modulation Type:	OFDM, OFDMA
Emission Type:	G1D, D1D
Rated Input Voltage:	12.0Vdc from Adapter
Sample Number:	393I-1
EUT Received Date:	2025/8/28
EUT Received Status:	Good

Note:

- The multiple models are electrically identical with the test model: the four models (IX13, IX14, IX15, IX19) are consistent in terms of schematic, circuit design and circuit layout, except for the sales fields, customer groups, and market positioning. The differences are not affecting the RF performance. Please refer to the declaration letter for more detail, which was provided by manufacturer.
- The model IX12 was tested and recorded in this report.

Operation Frequency Detail:

For 802.11a/n ht20/ac vht20/ax he20

Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220
40	5200	48	5240

The below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	5180
Middle	5200
Highest	5240

For 802.11n ht40/ac vht40/ax he40

Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230

The below frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	5190
Middle	/
Highest	5230

For 802.11ac vht80/ax he80

Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	/	/
The below frequencies were performed the test as below:			
Test Channel		Frequency (MHz)	
Lowest		/	
Middle		5210	
Highest		/	

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
Adapter	Shenzhen Xinspower Technology Co., Ltd	A484-12040001	INPUT: 100-240V~50/60Hz 1.5A OUTPUT: 12.0V= 4.0A 48W
USB Cable	Unknown	Unknown	Unshielded without ferrite core, 1.0m

1.3 Objective

The objective of this current document is to demonstrate the EUT, as equipment type in Certification Ordinance Article 2-1-19-3 of Specific Radio Equipment Specified in Article 38-2-2 Paragraph 1 Item 1 of the Radio Law, compliant with Article 49-20 of Radio equipment regulations.

1.4 Test Methodology

All measurements contained in this report were conducted with the temporarily test method “5 G H z 帯小電力データ通信システムの特性試験方法” which Released by DSP Research, Inc.

1.5 Description of Test Configuration

1.5.1 EUT Operation Condition

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.			
Equipment Modifications:	No			
EUT Exercise Software:	QA_TOOL.exe			
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer [▲] . The worst-case data rates are determined to be as follows for each mode based upon investigation by measuring the average power and PSD across all data rates bandwidths, and modulations.				
Note:				
1. The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80/ax he20/ax he40/ax he80, the 802.11 ac vht20/ac vht40 were reduced since the identical parameters with 802.11n ht20 and n ht40.				
2. The device supports SISO in all modes and 2T2R MIMO in 802.11n/ac/ax modes, per pretest, MIMO mode was the worst mode and reported for 802.11n/ac/ax modes.				
3. The 802.11ax mode does not support partial RU index.				
Antenna	Test Modes	Power Level Setting		
		Lowest Channel	Middle Channel	Highest Channel
Chain0	802.11a	11	11	11
	802.11n ht20	11	11	11
	802.11n ht40	11	/	11
	802.11ac vht80	/	11	/
	802.11ax he20	11	11	11
	802.11ax he40	11	/	11
	802.11ax he80	/	11	/
Chain1	802.11a	11	11	11
	802.11n ht20	11	11	11
	802.11n ht40	11	/	11
	802.11ac vht80	/	11	/
	802.11ax he20	11	11	11
	802.11ax he40	11	/	11
	802.11ax he80	/	11	/

1.5.2 EUT Extremity Condition

Environment Element	Range	Declared Voltage Value (Vdc)	Measured Voltage (Vdc)	Voltage Variation (%)
Voltage Fluctuation:	NV	12	3.3	/
	LV	10.8	3.3	0.00
	HV	13.2	3.3	0.00

Note:

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

The EUT be operated at $\pm 10\%$ from the normal supply voltage which was provided by manufacturer, the supply voltage of RF part was varied within $\pm 1\%$. All test cases were done under the **Normal Voltage (NV)** only.

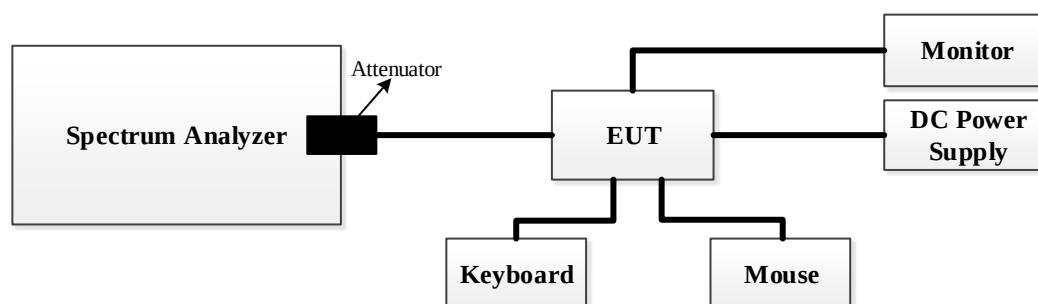
1.5.3 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
PHILIPS	Monitor	24PFF5595/T3	XM2A2124000343
PHILIPS	Keyboard	SPT6234	K234210510746
PHILIPS	Mouse	SPT6234	C234210506222
Tenda	Wireless Router	RX12 Pro	ED331010215000033

1.5.4 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
HDMI Cable	No	No	1.5	EUT	Monitor
Detachable Power Cable	No	No	1.0	EUT	DC Power Supply
Keyboard Cable	No	No	1.2	EUT	Keyboard
Mouse Cable	No	No	1.2	EUT	Mouse

1.5.5 Block Diagram of Test Setup



1.6 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Frequency Error	$\pm 0,5$ ppm
Occupied Bandwidth	± 5 %
RF Output Power, Conducted	± 0.61 dB
Unwanted Emissions (TX&RX), Conducted	± 2.47 dB
Temperature	± 1 °C
Humidity	± 5 %
DC and Low Frequency Voltages	± 0.4 %
Duty Cycle	1 %

2. SUMMARY OF TEST RESULTS

Certification Ordinance Article 2-1-19-3 Conducted with: MIC Notice No.88 Rules Section	Description Of Test	Result
1	Frequency Tolerance	Compliant
2	Occupied Bandwidth	Compliant
3	Transmitter Spurious Emission Strength	Compliant
4	Transmitter Spurious Emission Strength - (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**: The EUT lacks support for the W53 and W56 bands

3. REQUIREMENTS AND TEST PROCEDURES

3.1 Frequency Error

3.1.1 Limit

Within $\pm 20\text{ppm}$.

3.1.2 Test Procedure

Set the EUT to the measurement frequency without modulation.

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

Record the peak spot frequency.

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

3.2 Occupied Bandwidth

3.2.1 Limit

Item	Limits
Occupied Bandwidth:	W52/W53/W56 : $\leq 18\text{MHz}$ (20MHz Mode DSSS) $\leq 20\text{MHz}$ (20MHz Mode OFDM) $\leq 40\text{MHz}$ (40MHz Mode OFDM) $\leq 80\text{MHz}$ (80MHz Mode OFDM)

3.2.2 Test Procedure

1. Setting of SA is following as: RB: 300 kHz / VB: 300 kHz / 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.

3.3 Transmitter Spurious Emission Strength and Unwanted Emission Intensity

3.3.1 Limit

* 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 μ W/MHz	5,142 MHz or less : 2.5 μ W/MHz	5,141.6 MHz or less : 2.5 μ W/MHz	5,123.2 MHz or less : 2.5 μ W/MHz
5,142 - 5,150 MHz : 15 μ W/MHz	5,142 - 5,150 MHz : 15 μ W/MHz	5,141.6 - 5,150 MHz : 15 μ W/MHz	5,123.2 - 5,150 MHz : 15 μ W/MHz
	5,250 - 5,250.2 MHz : $10^{1-(9/3)(f-9.75)}$ 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 : $10^{-1-(9/90)(f-11)}$ mW/MHz	5,251 - 5,260 MHz : $10^{-1-(9/90)(f-11)}$ mW/MHz	5,251 - 5,270 MHz : $10^{-(9/190)(f-21)-1+\log(1/2)}$ mW/MHz	5,251 - 5,290 MHz : $10^{-(9/390)(f-41)-1+\log(1/4)}$ 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 : $10^{-(9/50)(f-40)-1.8+\log(1/2)}$ mW/MHz	5,290 - 5,296.7 MHz : $10^{-(9/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
5,266.7 MHz or more : 2.5 μ W/MHz	5,266.7 MHz or more : 2.5 μ W/MHz	5,278.4 MHz or more : 2.5 μ W/MHz	5,296.7 MHz or more : 2.5 μ W/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 μ W/MHz	5,233.3 MHz or less : 2.5 μ W/MHz	5,221.6 MHz or less : 2.5 μ W/MHz	5,203.3 MHz or less : 2.5 μ W/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 : $10^{-1-(9/90)(f-11)}$ mW/MHz	5,240 - 5,249 MHz : $10^{-1-(9/90)(f-11)}$ mW/MHz	5,230 - 5,249 MHz : $10^{-(9/190)(f-21)-1+\log(1/2)}$ mW/MHz	5,210 - 5,249 MHz : $10^{-(9/390)(f-41)-1+\log(1/4)}$ 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
	5,249.8 - 5,250 MHz : $10^{1-(9/3)(f-9.75)}$ mW/MHz	5,350 - 5,358.4 MHz : 15 μ W/MHz	5,350 - 5,376.8 MHz : 15 μ W/MHz
5,350 MHz or more : 2.5 μ W/MHz	5,350 MHz or more : 2.5 μ W/MHz	5,358.4 MHz or more : 2.5 μ W/MHz	5,376.8 MHz or more : 2.5 μ W/MHz
f = MHz, Difference from 5280 (MHz)	f = MHz, Difference from 5280 (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 μ W/MHz	5,460 MHz or less : 2.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz	5,460 MHz or less : 12.5 μ W/MHz
	5,460 - 5,470 MHz : 12.5 μ W/MHz	5,460 - 5,470 MHz : 50 μ W/MHz	5,460 - 5,469.5 MHz : 50 μ W/MHz
	5,745 - 5,765 MHz : 12.5 μ W/MHz		5,469.5 - 5,470 MHz : 51.2 μ W/MHz
5,730 MHz or more : 12.5 μ W/MHz	Over 5,765 MHz : 2.5 μ W/MHz	5,770 MHz or more : 12.5 μ W/MHz	5,770 MHz or more : 12.5 μ W/MHz

3.3.2 Test Procedure

● Conditions of Application Equipment (EUT)

The modulation state shall be in continuously transmitting mode.

● The spectrum analyzer settings for spurious emission intensity search shall be as follows:

Resolution Bandwidth: 1 MHz or less

Video Bandwidth: Same as RBW

Y-axis Scale: 10 dB/Div

Input Level: Value ensuring maximum dynamic range

Sweep Time: Minimum time guaranteeing measurement accuracy

Data Points: 400 points or more

Sweep Mode: Single sweep

Detection Mode: Positive peak

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

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

The spectrum analyzer settings for measuring the intensity of unwanted emissions in the spurious domain shall be as follows:

Center Frequency: The detected frequency

Span: 0 Hz

Resolution Bandwidth (RBW): 1 MHz

Video Bandwidth (VBW): Same as RBW

Y-axis Scale: 10 dB/Div

Input Level: A value that ensures the maximum dynamic range

Sweep Time: The minimum time that guarantees measurement accuracy (for burst waves, it must be greater than or equal to the duration of one burst per sample)

Data Points: 400 points or more

Sweep Mode: Single Sweep

Detection Mode: Sample

3.4 Output Power and Output Power Tolerance

3.4.1 Limit

For W52, W53 Band:

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

For W56 Band:

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

3.4.2 Test Procedure

- Set the UUT as transmitting the modulation signal.
- The settings of the spectrum analyzer when providing frequency search for the maximum power should be set as follows:
 - Center Frequency: The center frequency of the channel under test
 - Span: Approximately 2 times of the occupied frequency bandwidth.
 - RBW: 1 MHz
 - VBW: same as RBW
 - Y-axis Scale: 10 dB/Div
 - Sweep time: Minimum time that ensures measurement accuracy
(For burst waves, the time should be long enough to include at least one burst per sample)
 - Trigger Condition: Free run
 - Sweep Points: 1001 points or more
 - Sweep Mode: Continuous Sweep
 - Detect Mode: Positive Peak
 - Trace Mode: Max Hold
- The settings of the spectrum analyzer when measuring power shall be as follows:
 - Center Frequency: Searched frequency for the maximum power in step 2.
 - Span: 0 Hz

- RBW: 1MHz
- VBW: Same as RBW
- Sweep Mode: Continuous Sweep

4. When using the spectrum analyzer's computation function to measure antenna power, set the spectrum analyzer as follows:

- Center Frequency: Frequency where maximum power is observed (searched frequency)
- Sweep Frequency Width: About 10 MHz
- Calculation Bandwidth: 1 MHz
- Resolution Bandwidth: Between 30 kHz and 300 kHz
- Video Bandwidth: About three times the resolution bandwidth
- Y-axis Scale: 10 dB/Div
- Sweep time: Minimum time that ensures measurement accuracy
(For burst waves, the time should be long enough to include at least one burst per sample)
- Trigger Condition: Free run
- Sweep Points: 1001 points or more
- Sweep Mode: Continuous Sweep
- Detection Mode: RMS

5. Measurement of antenna power via power meter

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

- a. Set the spectrum analyzer as step 2 to search for the frequency providing maximum antenna power.
- b. Sweep repeatedly until no further changes are observed on the display, then measure the frequency that yields the maximum power per 1 MHz.
- c. If the radio equipment uses two carrier frequencies simultaneously, measure the frequency that gives the maximum power per MHz for each of the carrier frequencies.
- d. Then set the spectrum analyzer as step 3 to measure the antenna power at that frequency.
- e. Connect a power meter to the IF output port of the spectrum analyzer.
- f. The antenna power is defined as:
 - For continuous wave: value corrected as spread bandwidth to calculate the average power per 1 MHz.
 - For burst wave: the adjusted reading from the corrected value (as in continuous wave) and the duty cycle, representing the average power within the burst.
- g. For OFDM systems with multiple subcarrier modulation schemes:
 - Measure the antenna power for each modulation type and select the highest value as the final result.
- h. If the radio equipment uses two carrier frequencies simultaneously, measure the antenna power for each carrier frequency.
- i. If there are multiple antenna terminals, perform measurements at each antenna terminal.

(2) For other systems:

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

6. Measurement of antenna power via the computation function of spectrum analyzer

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

- a. Set the spectrum analyzer as step 2 to search for the frequency providing maximum antenna power.
- b. Sweep repeatedly until no further changes are observed on the display, then measure the frequency that yields the maximum power per 1 MHz.
- c. If the radio equipment uses two carrier frequencies simultaneously, measure the frequency that gives the maximum power per MHz for each of the carrier frequencies.
- d. Then set the spectrum analyzer as step 4 to measure the antenna power at that frequency.
- e. The antenna power is defined as:

- For continuous wave: Use the value obtained from the spectral analyzer's calculation.
 - For burst wave: Calculate the average power within the burst by using the value obtained from the calculation and considering the duty cycle.
- f.** For OFDM systems with multiple subcarrier modulation schemes:
- Measure the antenna power for each case and adopt the largest value as the measurement result.
- g.** If the radio equipment uses two carrier frequencies simultaneously, measure the antenna power for each carrier frequency.
- h.** If there are multiple antenna terminals, perform measurements at each antenna terminal.
- (2) For other systems:
Same as step 5 (2).

3.5 Adjacent Channel Power

3.5.1 Limit

Bandwidth System		Limits
20MHz System	OBW $\leq$ 18MHz	$\pm$ 9MHz BW: $\geq$ 25dB (fc $\pm$ 20MHz)
		$\pm$ 9MHz BW: $\geq$ 40dB (fc $\pm$ 40MHz)
	18MHz < OBW $\leq$ 20MHz	$\pm$ 10MHz BW: $\geq$ 25dB (fc $\pm$ 20MHz)
		$\pm$ 10MHz BW: $\geq$ 40dB (fc $\pm$ 40MHz)
40MHz System		$\pm$ 20MHz BW: $\geq$ 25dB (fc $\pm$ 40MHz)
		$\pm$ 20MHz BW: $\geq$ 40dB (fc $\pm$ 80MHz)
80MHz System		$\pm$ 40MHz BW: $\geq$ 25dB (fc $\pm$ 80MHz)

3.5.2 Test Procedure

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: RB: 300 kHz / VB: 300 kHz / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Sample / Trace mode: Max hold
3. SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz). Then SA automatically calculate the channel power of EUT and A is representative of this channel power
4. SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz) $\pm$ 20MHz. Then SA automatically subtract the first adjacent channel power of EUT from channel power, the value must more than 25dB.
5. SA set the Channel Power Function and Channel Bandwidth: 20MHz and Center Frequency: The center frequency of testing for EUT (Such as 5180MHz) $\pm$ 40MHz. Then SA automatically subtract the second adjacent channel power of EUT form channel power, the value must more than 40dB.

3.6 Receiver Secondary Radiated Emission Strength

3.6.1 Limit

4nW or below (Frequency range: 30MHz – 1GHz);

20n W or below (frequency range: 1GHz – 26GHz).

3.6.2 Test Procedure

❖ Conditions of Application Equipment (EUT)

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

❖ Spectrum Analyzer Conditions

- Start Frequency: Start Frequency of frequency range to measure (30MHz 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

3.7 Radio Interference Prevention Capability

3.7.1 Requirement

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

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

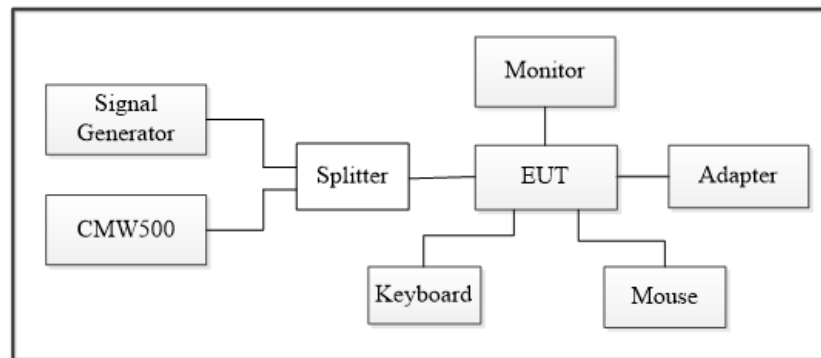
Article 1.8 of MPT Ministerial Notice No. 424 of 1994 (the last revision: Notice No. 374 of Nov. 10, 2023)

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

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

3.7.2 Test Procedure

Measurement System Diagram:



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

1. Transmit the predetermined identification codes from EUT
2. Check the transmitted identification codes with the demodulator.

In the case of receiving the identification codes:

1. Transmit the predetermined identification codes from the counterpart.
2. Check if communication is normal
3. Transmit the signal other than predetermined ID codes from the counterpart.
4. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

3.8 Transmission Burst Length

3.8.1 Limit

Item	Limit
Transmission Burst Length	≤ 8 ms

3.8.2 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.

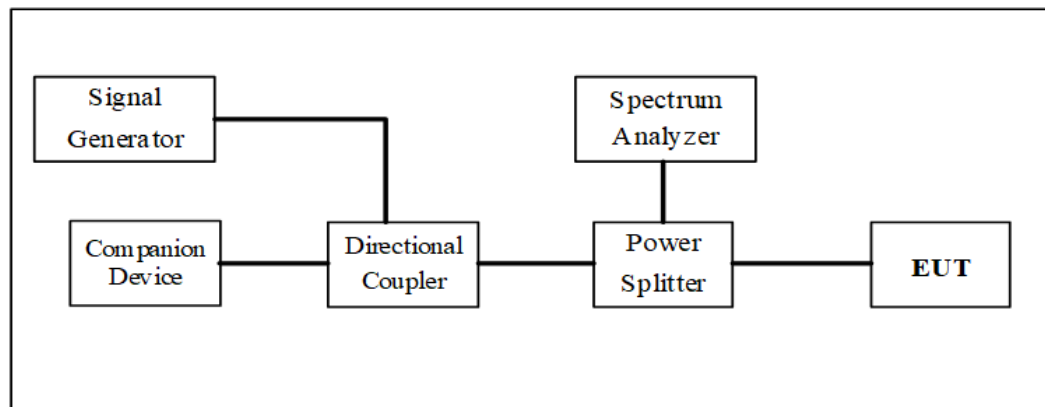
3.9 Carrier Sense Capability

3.9.1 Requirement

EUT stop RF transmission signal after carrier inject to EUT

3.9.2 Test Procedure

3.9.2.1 Measurement System Diagram:



3.9.2.2 Conditions of Application Equipment (EUT):

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

3.9.2.3 Conditions of SG

SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is

$$Pcs \text{ (dBm)} = 22.79 + Gr - 20\log F$$

Note:

Pcs: Carrier Sense Level (dBm) applied to the antenna input terminal of the test equipment.

Gr: Antenna Gain (dBi)

F: Carrier Frequency (MHz)

turn off the RF signal of the SG.

EUT have transmitted the maximum modulation signal and fixed channelize.

3.9.2.4 Setting the SA as following:

- Center Frequency: Center frequency of the receiving frequency band
- Span: 50MHz
- RBW: 1MHz
- VBW: Same as RBW
- Trigger type: Free-run
- Detector: Peak

and confirm that it emits radio wave, using spectrum analyzer.

3.9.2.5 Set the EUT in receiving state.

3.9.2.6 Set the EUT to the transmitting operation with the signal generator goes ON, and confirm that it does not emit radio wave, using spectrum analyzer.

3.10 Construction Protection Confirmation

3.10.1 Requirement

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

4. TEST DATA AND RESULTS

4.1 Test Environmental Conditions & Test Equipment List and Details

Test Date:		2025/9/8~2025/10/15			
Tester:		Chloe Zhao			
Environmental Conditions:					
Temperature: (℃)	24.6-25.2	Relative Humidity: (%)	54-57	ATM Pressure: (kPa)	100.4-100.8

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method ^{Note}
R&S	Spectrum Analyzer	FSU26	100147	2025/03/31	2026/03/30	BACL Cal	C
R&S	Spectrum Analyzer	FSU26	200256	2025/03/31	2026/03/30	BACL Cal	C
R&S	Spectrum Analyzer	FSP 38	100484	2025/07/28	2026/07/27	BACL Cal	C
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A	CCICT	D
Minl-Clrcoits	Power Splitter	ZFRSC-183-S+	SF440201614	2025/09/01	2026/8/31	BACL Cal	C
Narda	Directional Coupler	4226-20	3328	Each time	N/A	CCICT	D
Agilent	MXG Vector Signal Generator	N5182B	MY51350142	2025/01/09	2026/01/08	BACL Cal	C
R&S	Wideband Radio Communication Tester	CMW500	143458	2025/03/31	2026/03/30	BACL Cal	C
UNI-T	Multimeter	UT39A+	C210582554	2025/01/06	2026/01/05	BACL Cal	C
GWINSTEK	DC Power Supply	SPS3610	D33251	N/A	N/A	CCICT	D

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

Note:

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

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

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

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

4.2 Frequency Error

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

Test Mode: Carrier transmitting mode

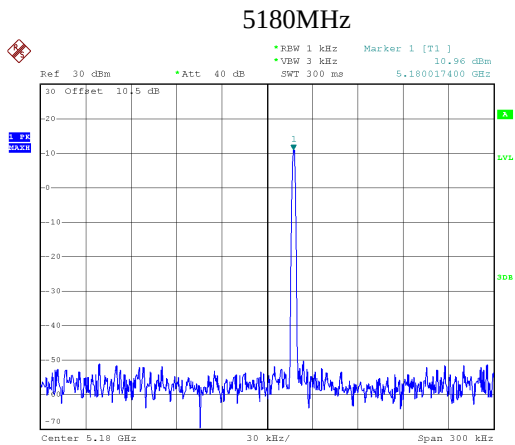
W52

Test Condition	Mode	Antenna	Test Frequency (MHz)	Measured Frequency (MHz)	Frequency Tolerance (ppm)	Limit (ppm)	Verdict
NV	Single Carrier	Chain 0	5180	5180.0174	3.36	± 20	Pass
			5190	5190.0300	5.78		Pass
			5200	5200.0219	4.21		Pass
			5210	5209.9835	-3.17		Pass
			5230	5229.9997	-0.06		Pass
			5240	5239.9982	-0.34		Pass
	Single Carrier	Chain 1	5180	5179.9781	-4.23		Pass
			5190	5190.0045	0.87		Pass
			5200	5199.9769	-4.44		Pass
			5210	5209.9805	-3.74		Pass
			5230	5229.9808	-3.67		Pass
			5240	5239.9652	-6.64		Pass

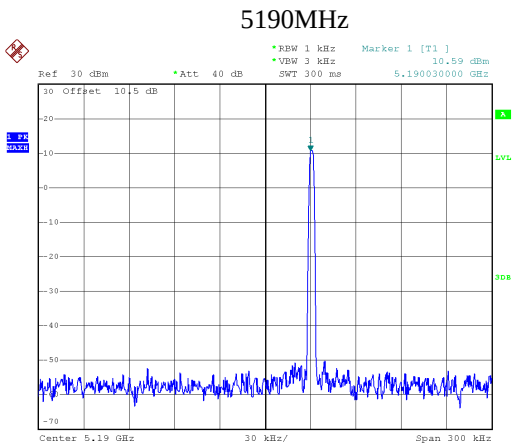
Note: Frequency Tolerance = (Measured Frequency - Test Frequency)/Test Frequency*10⁶

The test plots as following:

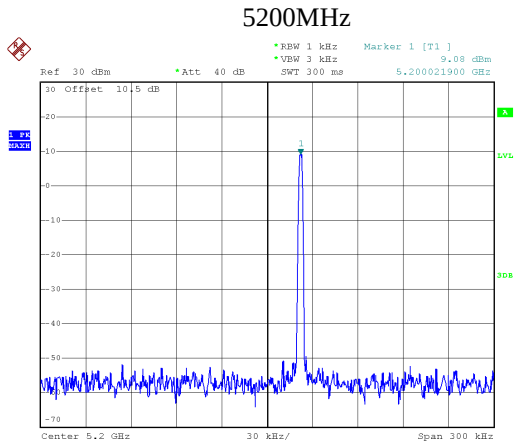
W52, Chain 0, Test Condition: NV



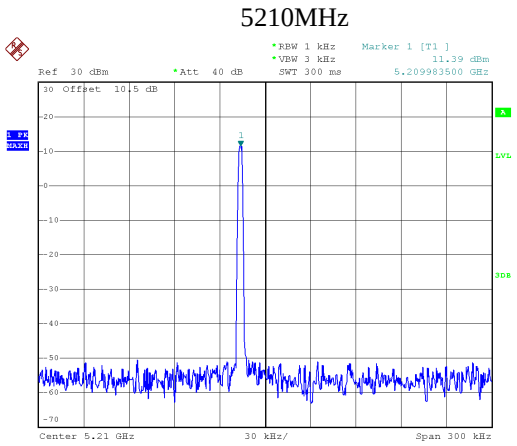
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Date: 9.SEP.2025 13:44:03



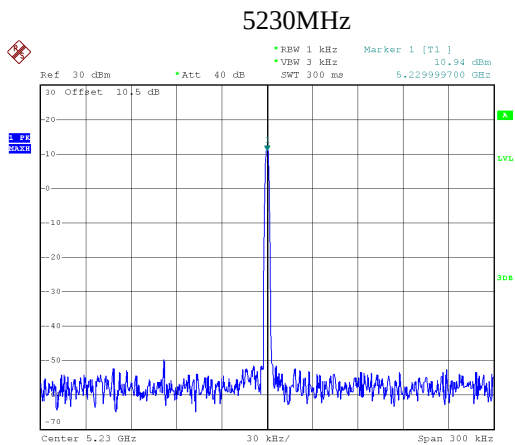
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Date: 9.SEP.2025 13:50:21



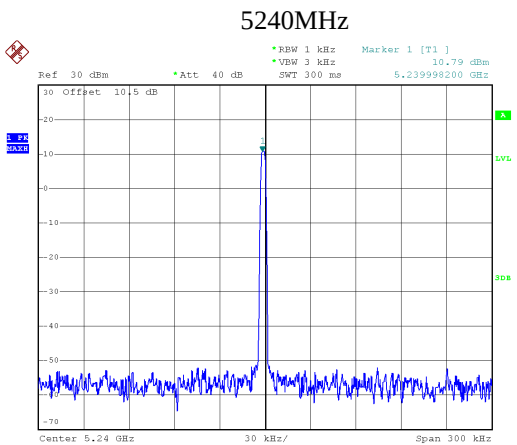
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 13:29:31



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 13:39:53



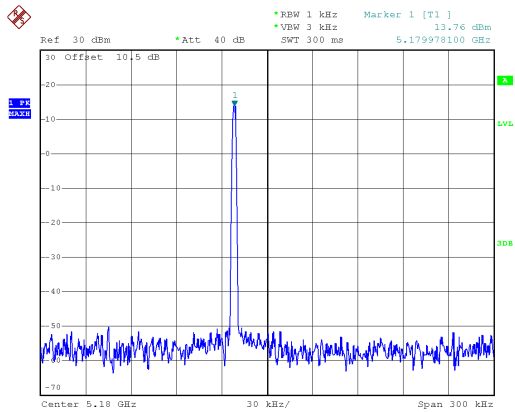
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 13:37:37



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Date: 9.SEP.2025 13:33:34

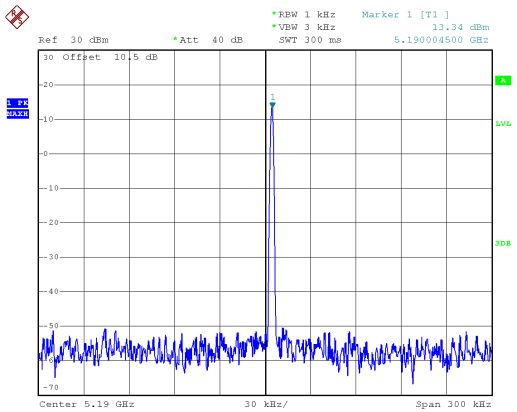
W52, Chain 1, Test Condition: NV

5180MHz



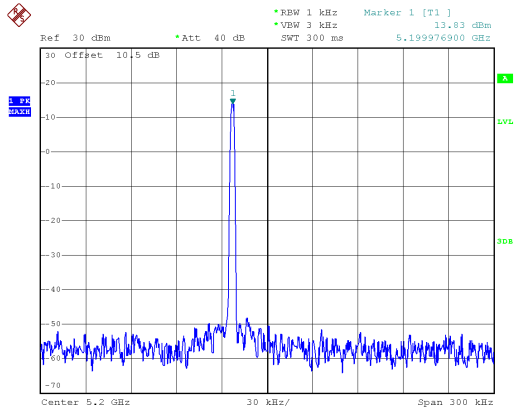
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Date: 9.SEP.2025 15:03:52

5190MHz



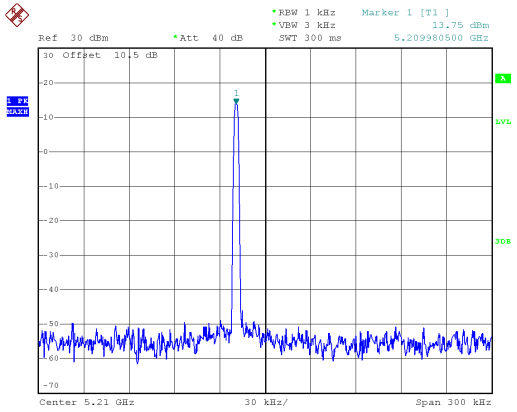
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:15:01

5200MHz



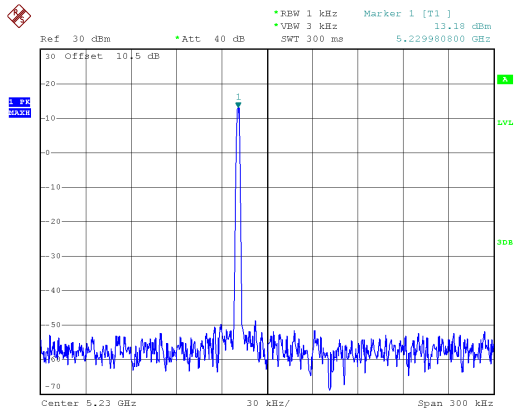
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:08:24

5210MHz



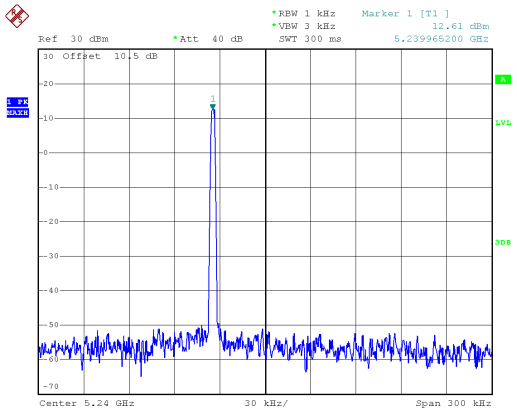
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:12:35

5230MHz



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:10:56

5240MHz



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:07:07

4.3 Occupied Bandwidth

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

Test Mode: Transmitting

W52, Chain 0

Mode	Result (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	17.28	17.28	16.60	≤ 20	Pass
802.11n ht20	18.40	18.36	17.68	≤ 20	Pass
802.11n ht40	36.00	/	35.92	≤ 40	Pass
802.11ac vht80	/	75.36	/	≤ 80	Pass
802.11ax he20	19.24	19.24	18.84	≤ 20	Pass
802.11ax he40	37.68	/	37.68	≤ 40	Pass
802.11ax he80	/	76.96	/	≤ 80	Pass

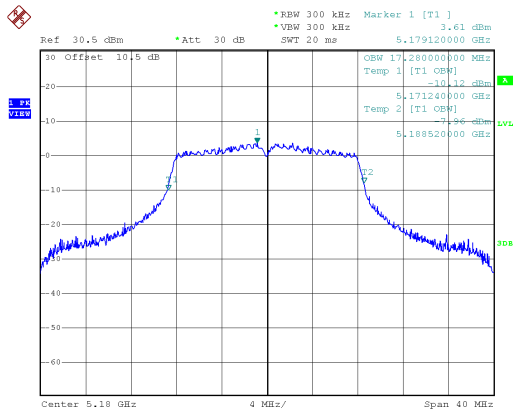
W52, Chain 1

Mode	Result (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
802.11a	17.32	17.32	16.60	≤ 20	Pass
802.11n ht20	18.36	18.40	17.68	≤ 20	Pass
802.11n ht40	36.00	/	35.92	≤ 40	Pass
802.11ac vht80	/	75.20	/	≤ 80	Pass
802.11ax he20	19.20	19.24	18.88	≤ 20	Pass
802.11ax he40	37.68	/	37.68	≤ 40	Pass
802.11ax he80	/	76.80	/	≤ 80	Pass

The test plots as following:

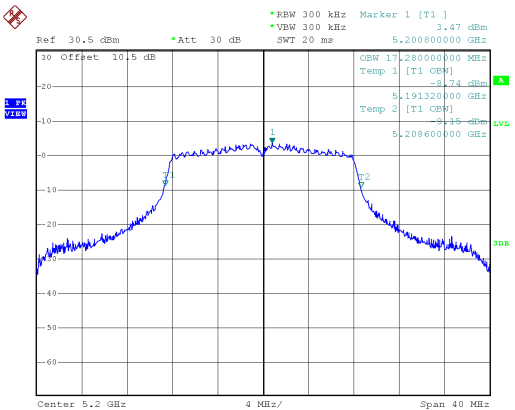
Occupied Bandwidth:
W52, Chain 0, Test Condition: NV

802.11a, Low Channel



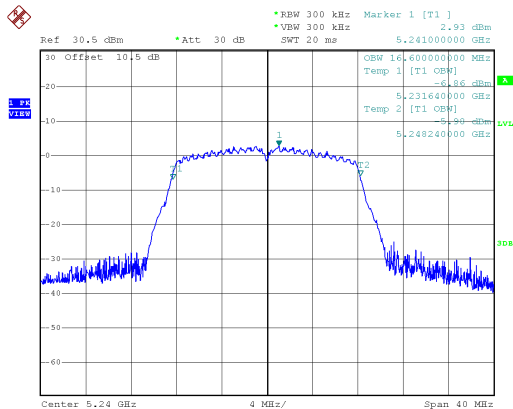
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 8.SEP.2025 14:00:51

802.11a, Middle Channel



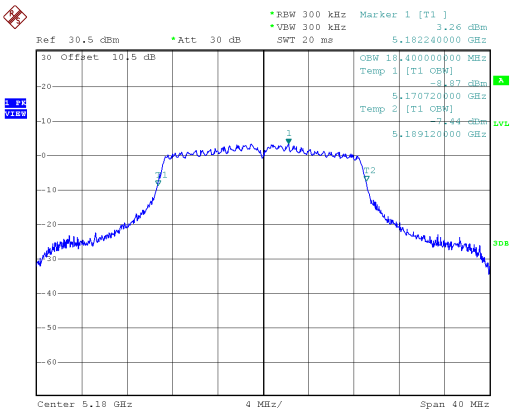
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 8.SEP.2025 14:02:31

802.11a, High Channel



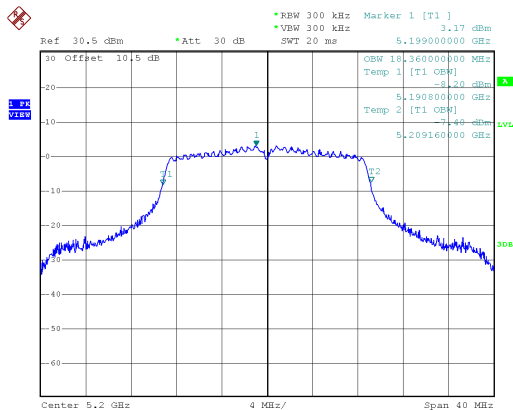
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 8.SEP.2025 14:05:03

802.11n ht20, Low Channel



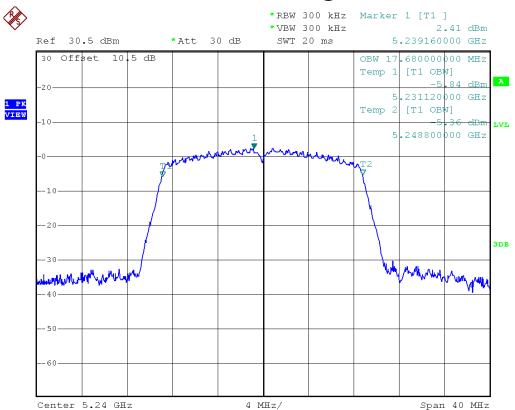
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:07:27

802.11n ht20, Middle Channel



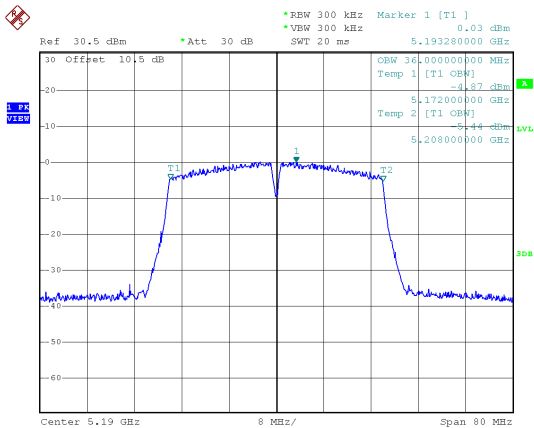
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802.11n ht20, High Channel



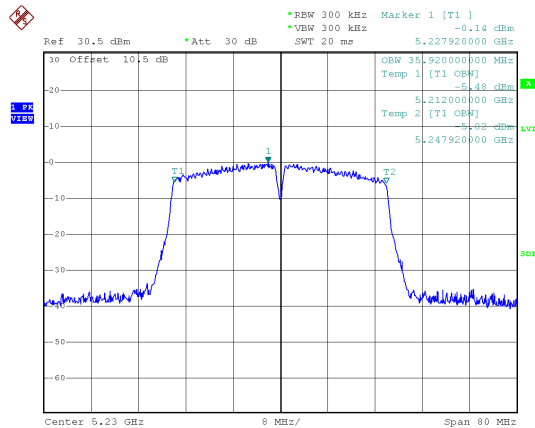
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Date: 9.SEP.2025 09:10:56

802.11n ht40, Low Channel



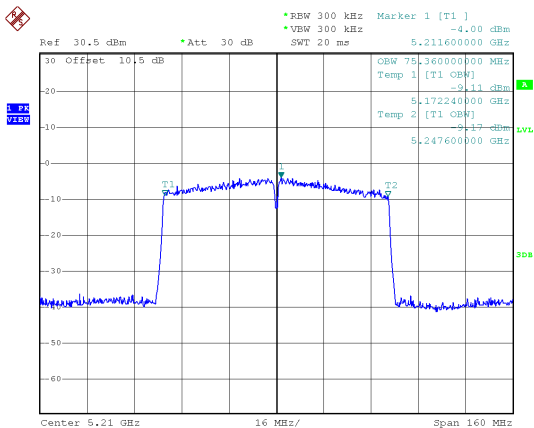
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Date: 9.SEP.2025 09:12:56

802.11n ht40, High Channel



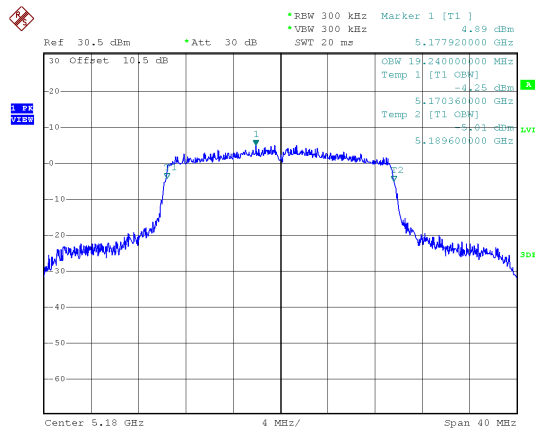
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:14:23

802.11ac vht80, Middle Channel



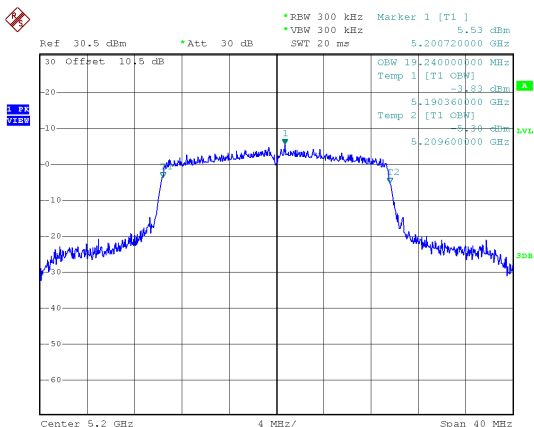
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:27:48

802.11ax he20, Low Channel



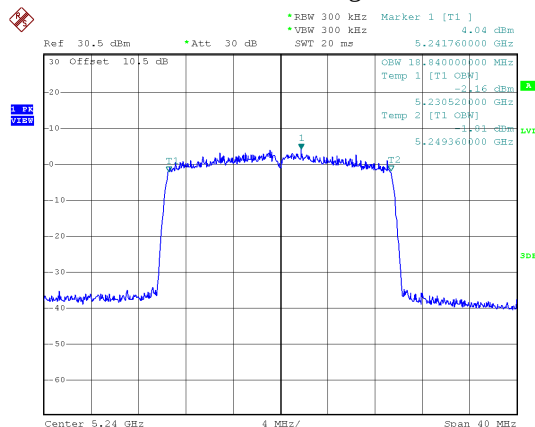
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Date: 9.SEP.2025 09:16:38

802.11ax he20, Middle Channel



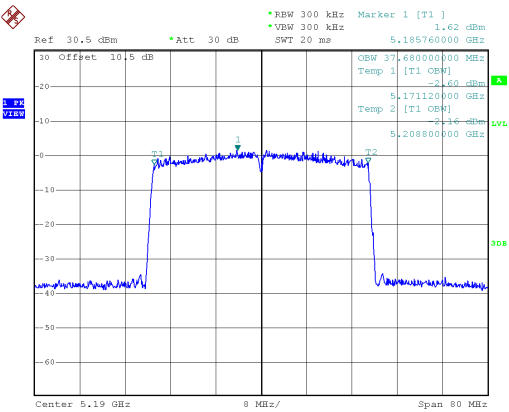
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:19:55

802.11ax he20, High Channel



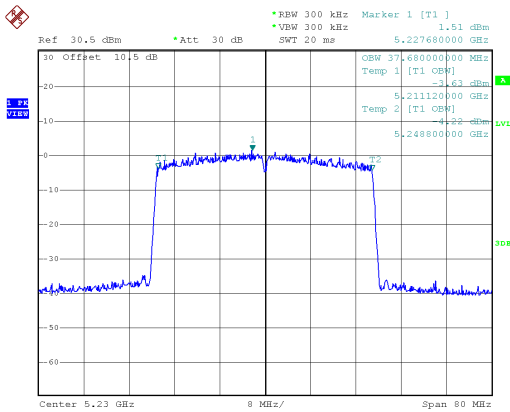
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:21:20

802.11ax he40, Low Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:23:15

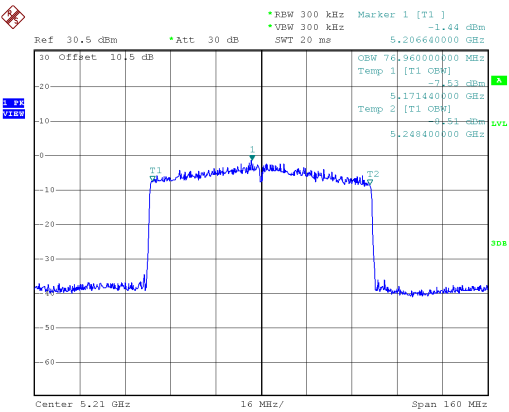
802.11ax he40, High Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:24:41

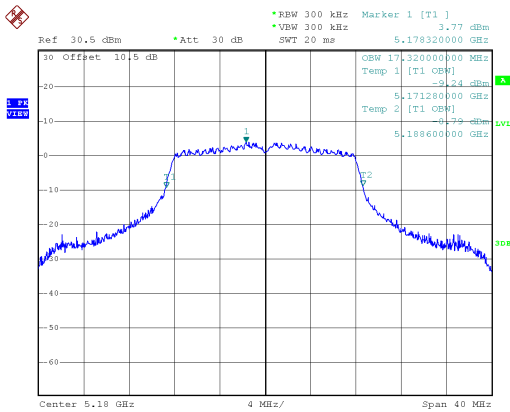
W52, Chain 1, Test Condition: NV

802.11ax he80, Middle Channel



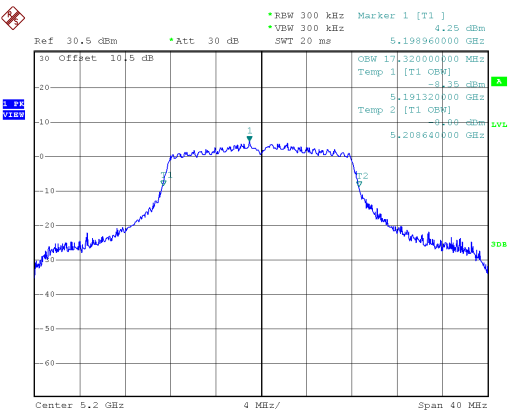
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:26:27

802.11a, Low Channel



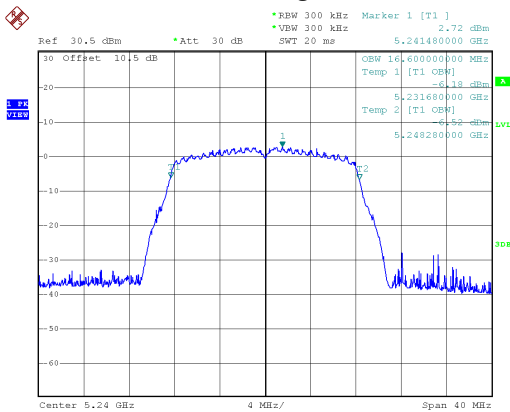
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:18:19

802.11a, Middle Channel



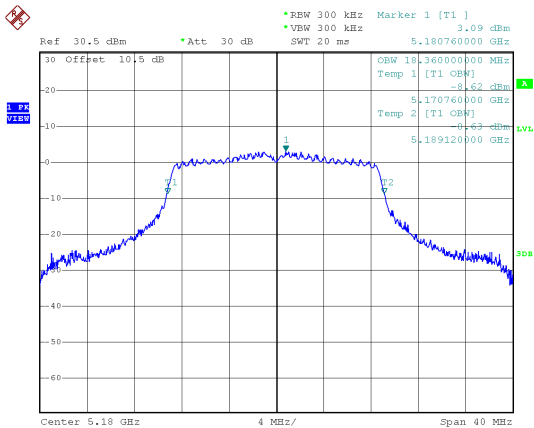
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:19:42

802.11a, High Channel



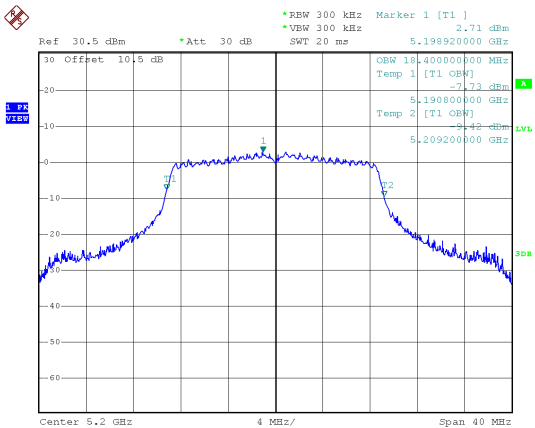
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:21:07

802.11n ht20, Low Channel



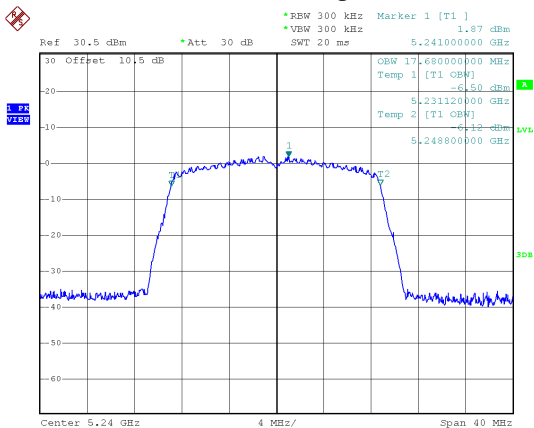
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:22:42

802.11n ht20, Middle Channel



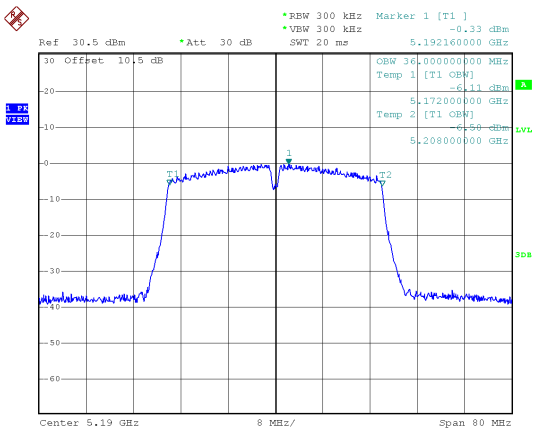
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:26:08

802.11n ht20, High Channel



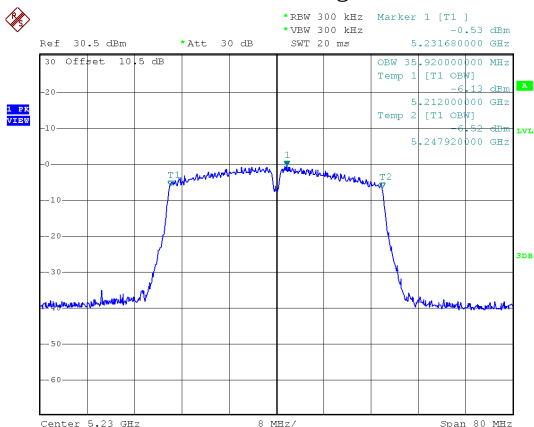
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:27:43

802.11n ht40, Low Channel



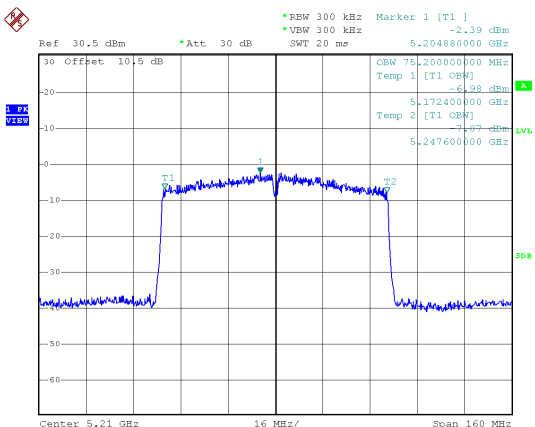
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:29:04

802.11n ht40, High Channel



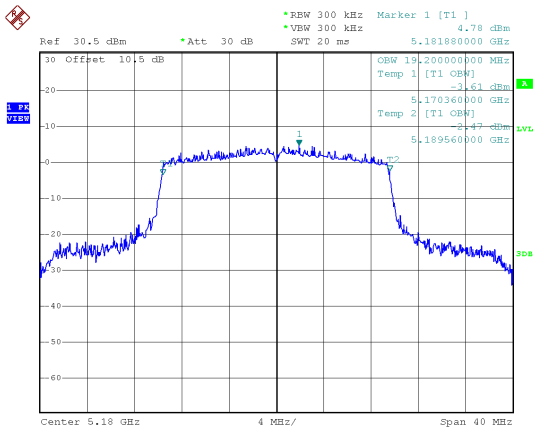
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:30:21

802.11ac vht80, Middle Channel



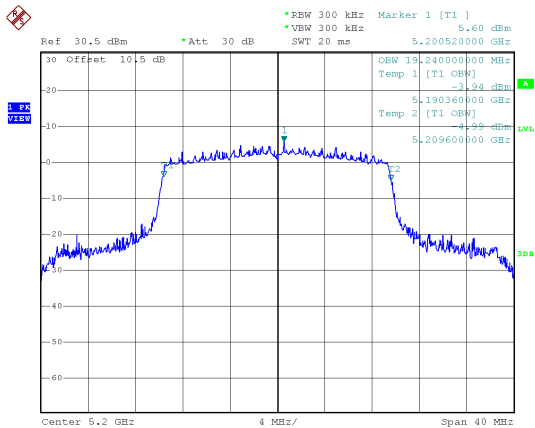
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:50:22

802.11ax he20, Low Channel



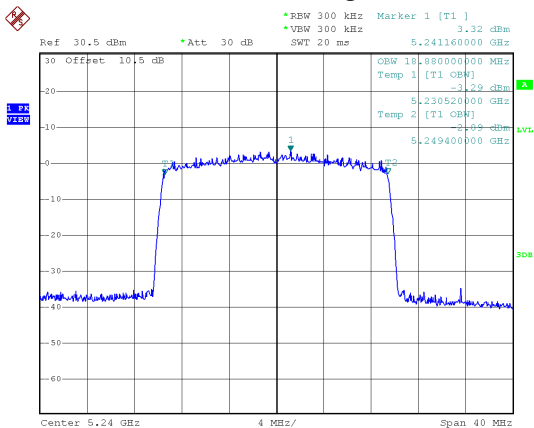
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:32:48

802.11ax he20, Middle Channel



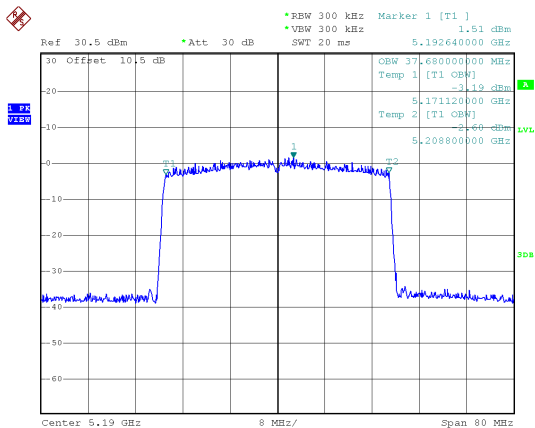
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Date: 9.SEP.2025 15:38:39

802.11ax he20, High Channel



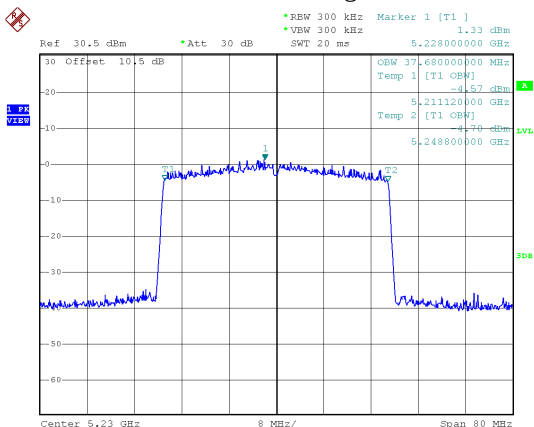
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:40:35

802.11ax he40, Low Channel



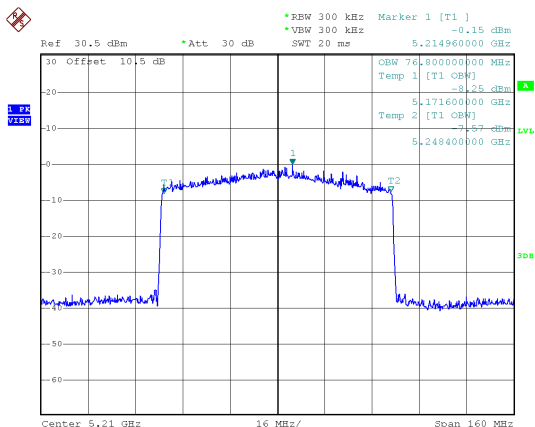
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:42:56

802.11ax he40, High Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:45:24

802.11ax he80, Middle Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:47:49

4.4 Transmitter Spurious Emission Strength and Unwanted Emission Intensity

Test Result: Compliant.

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

Test Mode: Transmitting W52, Chain 0, 802.11a

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3188.61	-32.90	0.513	2.50	Pass
	5100	5142	5119.89	-27.11	1.945	2.50	Pass
	5142	5150	5149.69	-25.31	2.944	15	Pass
	5250	5251	5250.99	-28.04	1.570	102.33	Pass
	5251	5260	5259.73	-28.12	1.542	16.75	Pass
	5260	5266.7	5266.58	-28.77	1.327	2.57	Pass
	5266.7	5300	5287.31	-26.07	2.472	2.50	Pass
Middle	5300	26000	24157.70	-38.86	0.130	2.50	Pass
	30	5100	3188.61	-33.22	0.476	2.50	Pass
	5100	5142	5125.79	-26.73	2.123	2.50	Pass
	5142	5150	5149.52	-25.71	2.685	15	Pass
	5250	5251	5251.00	-27.14	1.932	100.00	Pass
	5251	5260	5259.82	-27.87	1.633	16.44	Pass
	5260	5266.7	5266.57	-28.64	1.368	2.58	Pass
High	5266.7	5300	5288.58	-26.09	2.460	2.50	Pass
	5300	26000	5300.0	-37.13	0.194	2.50	Pass
	30	5100	3193.68	-33.09	0.491	2.50	Pass
	5100	5142	5114.87	-27.11	1.945	2.50	Pass
	5142	5150	5149.50	-25.99	2.518	15	Pass
	5250	5251	5250.42	-10.07	98.401	380.19	Pass
	5251	5260	5253.02	-16.45	22.646	66.14	Pass
	5260	5266.7	5266.69	-28.85	1.303	2.50	Pass
	5266.7	5300	5281.82	-26.18	2.410	2.50	Pass
	5300	26000	5320.70	-34.46	0.358	2.50	Pass

W52, Chain 0, 802.11n ht20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3188.61	-33.17	0.482	2.50	Pass
	5100	5142	5121.21	-27.68	1.706	2.50	Pass
	5142	5150	5144.07	-26.47	2.254	15	Pass
	5250	5250.2	5250.19	-27.84	1.644	670.91	Pass
	5250.2	5251	5251.00	-28.45	1.429	100.00	Pass
	5251	5260	5259.94	-28.89	1.291	16.04	Pass
	5260	5266.7	5265.98	-28.10	1.549	3.04	Pass
	5266.7	5300	5286.98	-26.68	2.148	2.50	Pass
Middle	5300	26000	25689.50	-38.43	0.144	2.50	Pass
	30	5100	3188.61	-33.00	0.501	2.50	Pass
	5100	5142	5120.50	-27.51	1.774	2.50	Pass
	5142	5150	5149.62	-26.66	2.158	15	Pass
	5250	5250.2	5250.13	-27.52	1.770	969.77	Pass
	5250.2	5251	5250.98	-27.77	1.671	104.71	Pass
	5251	5260	5258.89	-27.60	1.738	19.89	Pass
	5260	5266.7	5265.99	-29.62	1.091	3.03	Pass
	5266.7	5300	5284.02	-26.19	2.404	2.50	Pass
	5300	26000	24882.20	-37.67	0.171	2.50	Pass

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
High	30	5100	3979.53	-32.40	0.575	2.50	Pass
	5100	5142	5125.85	-26.85	2.065	2.50	Pass
	5142	5150	5149.90	-26.19	2.404	15	Pass
	5250	5251	5250.19	-9.82	104.232	645.65	Pass
	5251	5260	5259.87	-27.67	1.710	16.28	Pass
	5260	5266.7	5266.65	-28.22	1.507	2.52	Pass
	5266.7	5300	5293.84	-26.15	2.427	2.50	Pass
	5300	26000	5300.00	-36.58	0.220	2.50	Pass

W52, Chain 0, 802.11n ht40

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	3188.61	-32.35	0.582	2.50	Pass
	5100	5141.6	5123.75	-27.23	1.892	2.50	Pass
	5141.6	5150	5147.26	-25.73	2.673	15	Pass
	5250	5251	5250.98	-26.89	2.046	52.36	Pass
	5251	5270	5269.66	-28.33	1.469	8.19	Pass
	5270	5278.4	5278.11	-27.23	1.892	2.58	Pass
	5278.4	5300	5286.54	-26.21	2.393	2.50	Pass
	5300	26000	25523.90	-38.63	0.137	2.50	Pass
High	30	5100	3188.61	-32.99	0.502	2.50	Pass
	5100	5141.6	5116.52	-27.47	1.791	2.50	Pass
	5141.6	5150	5149.23	-25.28	2.965	15	Pass
	5250	5251	5250.93	-23.73	4.236	58.74	Pass
	5251	5270	5269.96	-28.74	1.337	7.96	Pass
	5270	5278.4	5277.85	-26.74	2.118	2.68	Pass
	5278.4	5300	5294.99	-26.06	2.477	2.50	Pass
	5300	26000	5300.0	-36.84	0.207	2.50	Pass

W52, Chain 0, 802.11ac vht80

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	3188.61	-32.02	0.628	2.50	Pass
	5100	5123.2	5116.31	-27.49	1.782	2.50	Pass
	5123.2	5150	5129.07	-25.43	2.864	15	Pass
	5250	5251	5250.92	-27.63	1.726	30.06	Pass
	5251	5290	5287.58	-27.27	1.875	4.44	Pass
	5290	5296.7	5296.17	-26.34	2.323	2.59	Pass
	5296.7	5350	5341.26	-26.24	2.377	2.50	Pass
	5350	26000	24967.50	-38.07	0.156	2.50	Pass

W52, Chain 0, 802.11ax he20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3188.61	-32.66	0.542	2.50	Pass
	5100	5142	5116.88	-27.81	1.656	2.50	Pass
	5142	5150	5147.40	-25.82	2.618	15	Pass
	5250	5250.2	5250.15	-26.88	2.051	857.70	Pass
	5250.2	5251	5251.00	-28.25	1.496	100.00	Pass
	5251	5260	5259.16	-27.95	1.603	18.82	Pass
	5260	5266.7	5265.52	-28.54	1.400	3.45	Pass
	5266.7	5300	5290.79	-26.90	2.042	2.50	Pass
Middle	5300	26000	24778.70	-38.25	0.150	2.50	Pass
	30	5100	3188.61	-32.47	0.566	2.50	Pass
	5100	5142	5114.95	-27.84	1.644	2.50	Pass
	5142	5150	5149.53	-25.57	2.773	15	Pass
	5250	5250.2	5250.16	-27.17	1.919	806.62	Pass
	5250.2	5251	5250.99	-27.84	1.644	102.33	Pass
	5251	5260	5258.96	-28.23	1.503	19.61	Pass
	5260	5266.7	5265.96	-28.60	1.380	3.05	Pass
High	5266.7	5300	5288.24	-26.82	2.080	2.50	Pass
	5300	26000	25006.40	-38.59	0.138	2.50	Pass
	30	5100	3183.54	-32.84	0.520	2.50	Pass
	5100	5142	5128.18	-27.71	1.694	2.50	Pass
	5142	5150	5147.03	-26.83	2.075	15	Pass
	5250	5250.2	5250.14	-4.20	380.189	912.01	Pass
	5250.2	5251	5250.22	-5.65	272.270	602.56	Pass
	5251	5260	5251.06	-20.31	9.311	98.78	Pass
	5260	5266.7	5265.83	-28.10	1.549	3.17	Pass
	5266.7	5300	5286.06	-26.50	2.239	2.50	Pass
	5300	26000	24985.70	-38.12	0.154	2.50	Pass

W52, Chain 0, 802.11ax he40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3153.12	-32.60	0.550	2.50	Pass
	5100	5141.6	5130.08	-27.39	1.824	2.50	Pass
	5141.6	5150	5148.55	-25.77	2.649	15	Pass
	5250	5251	5250.98	-27.22	1.897	52.36	Pass
	5251	5270	5269.80	-27.85	1.641	8.08	Pass
	5270	5278.4	5277.33	-26.93	2.028	2.88	Pass
	5278.4	5300	5287.45	-26.16	2.421	2.50	Pass
	5300	26000	25358.30	-38.27	0.149	2.50	Pass
High	30	5100	3173.40	-36.82	0.208	2.50	Pass
	5100	5141.6	5112.94	-27.50	1.778	2.50	Pass
	5141.6	5150	5149.69	-25.55	2.786	15	Pass
	5250	5251	5250.96	-27.06	1.968	54.82	Pass
	5251	5270	5269.95	-28.53	1.403	7.96	Pass
	5270	5278.4	5277.87	-27.19	1.910	2.67	Pass
	5278.4	5300	5295.49	-26.11	2.449	2.50	Pass
	5300	26000	24199.10	-38.70	0.135	2.50	Pass

W52, Chain 0, 802.11ax he80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Middle	30	5100	3411.69	-32.47	0.566	2.50	Pass
	5100	5123.2	5116.96	-27.90	1.622	2.50	Pass
	5123.2	5150	5125.29	-25.85	2.600	15	Pass
	5250	5251	5250.04	-16.68	21.478	228.00	Pass
	5251	5290	5287.89	-27.24	1.888	4.38	Pass
	5290	5296.7	5296.05	-26.31	2.339	2.61	Pass
	5296.7	5350	5342.32	-26.52	2.228	2.50	Pass
	5350	26000	24946.85	-38.80	0.132	2.50	Pass

W52, Chain 1, 802.11a

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3193.68	-32.01	0.630	2.50	Pass
	5100	5142	5111.47	-26.60	2.188	2.50	Pass
	5142	5150	5148.43	-25.12	3.076	15	Pass
	5250	5251	5251.00	-26.99	2.000	100.00	Pass
	5251	5260	5259.71	-27.50	1.778	16.82	Pass
	5260	5266.7	5266.63	-28.31	1.476	2.54	Pass
	5266.7	5300	5288.41	-26.05	2.483	2.50	Pass
	5300	26000	24944.30	-38.55	0.140	2.50	Pass
Middle	30	5100	3188.61	-32.54	0.557	2.50	Pass
	5100	5142	5122.20	-26.47	2.254	2.50	Pass
	5142	5150	5145.20	-25.73	2.673	15	Pass
	5250	5251	5250.98	-27.01	1.991	104.71	Pass
	5251	5260	5259.76	-28.31	1.476	16.65	Pass
	5260	5266.7	5266.46	-28.33	1.469	2.66	Pass
	5266.7	5300	5294.39	-26.03	2.495	2.50	Pass
	5300	26000	25523.90	-37.56	0.175	2.50	Pass
High	30	5100	3193.68	-32.83	0.521	2.50	Pass
	5100	5142	5125.83	-26.26	2.366	2.50	Pass
	5142	5150	5148.98	-25.67	2.710	15	Pass
	5250	5251	5250.15	-9.58	110.154	707.95	Pass
	5251	5260	5259.54	-27.94	1.607	17.41	Pass
	5260	5266.7	5266.43	-27.89	1.626	2.68	Pass
	5266.7	5300	5292.17	-26.22	2.388	2.50	Pass
	5300	26000	5300.00	-35.73	0.267	2.50	Pass

W52, Chain 1, 802.11n ht20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3188.61	-33.15	0.484	2.50	Pass
	5100	5142	5124.95	-26.76	2.109	2.50	Pass
	5142	5150	5148.18	-26.12	2.443	15	Pass
	5250	5250.2	5250.17	-27.17	1.919	758.58	Pass
	5250.2	5251	5250.94	-27.10	1.950	114.82	Pass
	5251	5260	5259.41	-27.91	1.618	17.88	Pass
	5260	5266.7	5265.64	-29.07	1.239	3.34	Pass
	5266.7	5300	5298.81	-26.21	2.393	2.50	Pass
	5300	26000	5300.00	-38.61	0.138	2.50	Pass

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Middle	30	5100	3188.61	-33.12	0.488	2.50	Pass
	5100	5142	5121.92	-27.66	1.714	2.50	Pass
	5142	5150	5146.33	-25.91	2.564	15	Pass
	5250	5250.2	5250.12	-27.10	1.950	1031.18	Pass
	5250.2	5251	5250.99	-27.91	1.618	102.33	Pass
	5251	5260	5259.70	-27.92	1.614	16.85	Pass
	5260	5266.7	5265.45	-27.32	1.854	3.52	Pass
	5266.7	5300	5290.79	-26.42	2.280	2.50	Pass
High	5300	26000	24840.80	-38.45	0.143	2.50	Pass
	30	5100	3183.54	-32.65	0.543	2.50	Pass
	5100	5142	5125.39	-27.04	1.977	2.50	Pass
	5142	5150	5146.53	-26.10	2.455	15	Pass
	5250	5251	5250.19	-8.62	137.404	645.65	Pass
	5251	5260	5259.67	-27.82	1.652	16.96	Pass
	5260	5266.7	5266.30	-27.73	1.687	2.78	Pass
	5266.7	5300	5281.82	-26.29	2.350	2.50	Pass
High	5300	26000	5300.00	-36.93	0.203	2.50	Pass

W52, Chain 1, 802.11n ht40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3193.68	-32.19	0.604	2.50	Pass
	5100	5141.6	5114.23	-27.11	1.945	2.50	Pass
	5141.6	5150	5147.72	-25.64	2.729	15	Pass
	5250	5251	5250.91	-27.37	1.832	61.51	Pass
	5251	5270	5269.24	-28.20	1.514	8.53	Pass
	5270	5278.4	5278.35	-27.16	1.923	2.50	Pass
	5278.4	5300	5288.62	-26.31	2.339	2.50	Pass
	5300	26000	25461.80	-38.24	0.150	2.50	Pass
High	30	5100	3188.61	-32.41	0.574	2.50	Pass
	5100	5141.6	5112.40	-27.09	1.954	2.50	Pass
	5141.6	5150	5145.21	-25.17	3.041	15	Pass
	5250	5251	5250.93	-24.75	3.350	58.74	Pass
	5251	5270	5269.44	-27.84	1.644	8.37	Pass
	5270	5278.4	5278.37	-27.03	1.982	2.49	Pass
	5278.4	5300	5290.93	-26.19	2.404	2.50	Pass
	5300	26000	5300.00	-38.36	0.146	2.50	Pass

5.2G, Chain 1, 802.11ac vht80

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start(MHz)	Stop(MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Middle	30	5100	3178.47	-32.73	0.533	2.50	Pass
	5100	5123.2	5118.05	-27.32	1.854	2.50	Pass
	5123.2	5150	5126.68	-25.75	2.661	15	Pass
	5250	5251	5250.93	-27.45	1.799	29.37	Pass
	5251	5290	5288.91	-26.74	2.118	4.17	Pass
	5290	5296.7	5295.40	-26.20	2.399	2.73	Pass
	5296.7	5350	5343.12	-26.46	2.259	2.50	Pass
	5350	26000	25008.80	-38.64	0.137	2.50	Pass

W52, Chain 1, 802.11ax he20

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3183.54	-32.52	0.560	2.50	Pass
	5100	5142	5122.51	-27.70	1.698	2.50	Pass
	5142	5150	5143.16	-26.51	2.234	15	Pass
	5250	5250.2	5250.05	-26.12	2.443	1584.89	Pass
	5250.2	5251	5250.95	-27.45	1.799	112.20	Pass
	5251	5260	5259.64	-28.91	1.285	17.06	Pass
	5260	5266.7	5265.83	-29.17	1.211	3.17	Pass
	5266.7	5300	5290.14	-26.83	2.075	2.50	Pass
Middle	5300	26000	24902.90	-38.45	0.143	2.50	Pass
	30	5100	3188.61	-31.77	0.665	2.50	Pass
	5100	5142	5117.18	-27.63	1.726	2.50	Pass
	5142	5150	5145.99	-26.82	2.080	15	Pass
	5250	5250.2	5250.11	-26.88	2.051	1096.48	Pass
	5250.2	5251	5250.94	-27.03	1.982	114.82	Pass
	5251	5260	5259.85	-28.51	1.409	16.34	Pass
	5260	5266.7	5265.84	-28.90	1.288	3.16	Pass
High	5266.7	5300	5294.59	-26.51	2.234	2.50	Pass
	5300	26000	24965.00	-38.23	0.150	2.50	Pass
	30	5100	3188.61	-32.55	0.556	2.50	Pass
	5100	5142	5115.12	-27.33	1.849	2.50	Pass
	5142	5150	5142.25	-26.36	2.312	15	Pass
	5250	5250.2	5250.05	-4.34	368.129	1584.89	Pass
	5250.2	5251	5250.51	-10.99	79.616	309.03	Pass
	5251	5260	5259.06	-28.00	1.585	19.21	Pass
	5260	5266.7	5265.77	-27.61	1.734	3.22	Pass
	5266.7	5300	5287.08	-26.70	2.138	2.50	Pass
	5300	26000	5300.00	-38.50	0.141	2.50	Pass

W52, Chain 1, 802.11ax he40

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μ W/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μ W/MHz)		
Low	30	5100	3183.54	-32.60	0.550	2.50	Pass
	5100	5141.6	5126.37	-27.45	1.799	2.50	Pass
	5141.6	5150	5142.97	-26.18	2.410	15	Pass
	5250	5251	5250.99	-27.42	1.811	51.16	Pass
	5251	5270	5268.66	-28.18	1.521	9.02	Pass
	5270	5278.4	5277.90	-26.82	2.080	2.66	Pass
	5278.4	5300	5294.71	-26.15	2.427	2.50	Pass
	5300	26000	24944.30	-38.48	0.142	2.50	Pass
High	30	5100	3188.61	-32.50	0.562	2.50	Pass
	5100	5141.6	5117.60	-26.84	2.070	2.50	Pass
	5141.6	5150	5148.98	-26.09	2.460	15	Pass
	5250	5251	5250.99	-27.30	1.862	51.16	Pass
	5251	5270	5269.19	-28.11	1.545	8.57	Pass
	5270	5278.4	5277.77	-27.09	1.954	2.71	Pass
	5278.4	5300	5285.74	-26.17	2.415	2.50	Pass
	5300	26000	5300.00	-36.43	0.228	2.50	Pass

W52, Chain 1, 802.11ax he80

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	3188.61	-32.00	0.631	2.50	Pass
	5100	5123.2	5114.29	-27.65	1.718	2.50	Pass
	5123.2	5150	5132.12	-25.90	2.570	15	Pass
	5250	5251	5250.01	-16.47	22.542	244.31	Pass
	5251	5290	5289.06	-26.82	2.080	4.14	Pass
	5290	5296.7	5295.72	-26.68	2.148	2.67	Pass
	5296.7	5350	5334.86	-26.32	2.333	2.50	Pass
	5350	26000	24822.95	-37.91	0.162	2.50	Pass

W52, Chain 0+Chain 1, 802.11n ht20

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	/	-30.15	0.966	2.50	Pass
	5100	5142	5111.47	-27.49	1.782	2.50	Pass
	5142	5150	5146.81	-26.56	2.208	15	Pass
	5250	5250.2	5250.02	-26.19	2.404	1905.46	Pass
	5250.2	5251	5251.00	-28.09	1.552	100.00	Pass
	5251	5260	5259.23	-27.95	1.603	18.55	Pass
	5260	5266.7	5265.62	-27.81	1.656	3.35	Pass
	5266.7	5300	5282.59	-26.86	2.061	2.50	Pass
Middle	30	5100	/	-30.05	0.989	2.50	Pass
	5100	5142	5124.74	-27.52	1.770	2.50	Pass
	5142	5150	5145.54	-26.80	2.089	15	Pass
	5250	5250.2	5250.14	-27.02	1.986	912.01	Pass
	5250.2	5251	5250.96	-27.67	1.710	109.65	Pass
	5251	5260	5259.51	-28.10	1.549	17.52	Pass
	5260	5266.7	5265.14	-27.74	1.683	3.83	Pass
	5266.7	5300	5287.35	-26.42	2.280	2.50	Pass
High	30	5100	/	-29.51	1.119	2.50	Pass
	5100	5142	5116.34	-27.34	1.845	2.50	Pass
	5142	5150	5144.09	-26.64	2.168	15	Pass
	5250	5250.2	5250.08	-12.50	56.234	1318.26	Pass
	5250.2	5251	5250.76	-20.58	8.750	173.78	Pass
	5251	5260	5259.87	-29.36	1.159	16.28	Pass
	5260	5266.7	5265.96	-28.35	1.462	3.05	Pass
	5266.7	5300	5286.33	-26.40	2.291	2.50	Pass
	5300	26000	/	-33.74	0.423	2.50	Pass

W52, Chain 0+Chain 1, 802.11n ht40

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	/	-29.26	1.186	2.50	Pass
	5100	5141.6	5129.41	-27.01	1.991	2.50	Pass
	5141.6	5150	5149.87	-26.52	2.228	15	Pass
	5250	5251	5250.96	-27.39	1.824	54.82	Pass
	5251	5270	5269.87	-28.39	1.449	8.02	Pass
	5270	5278.4	5277.68	-26.80	2.089	2.74	Pass
	5278.4	5300	5291.45	-26.10	2.455	2.50	Pass

Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
	5300	26000	/	-35.42	0.287	2.50	Pass
High	30	5100	/	-29.68	1.076	2.50	Pass
	5100	5141.6	5112.15	-27.41	1.816	2.50	Pass
	5141.6	5150	5148.16	-26.45	2.265	15	Pass
	5250	5251	5250.96	-26.68	2.148	54.82	Pass
	5251	5270	5269.48	-28.20	1.514	8.33	Pass
	5270	5278.4	5278.38	-27.49	1.782	2.49	Pass
	5278.4	5300	5285.42	-26.22	2.388	2.50	Pass
	5300	26000	/	-34.52	0.353	2.50	Pass

W52, Chain 0+Chain 1, 802.11ac vht80

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	/	-29.35	1.161	2.50	Pass
	5100	5123.2	5112.83	-27.50	1.778	2.50	Pass
	5123.2	5150	5128.69	-26.10	2.455	15	Pass
	5250	5251	5251.00	-27.89	1.626	25.00	Pass
	5251	5290	5286.96	-26.68	2.148	4.57	Pass
	5290	5296.7	5294.64	-26.01	2.506	2.88	Pass
	5296.7	5350	5341.21	-26.59	2.193	2.50	Pass
	5350	26000	/	-35.34	0.292	2.50	Pass

W52, Chain 0+Chain 1, 802.11ax he20

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	/	-29.58	1.102	2.50	Pass
	5100	5142	5122.13	-27.28	1.871	2.50	Pass
	5142	5150	5147.72	-26.17	2.415	15	Pass
	5250	5250.2	5250.11	-26.88	2.051	1096.48	Pass
	5250.2	5251	5250.97	-28.16	1.528	107.15	Pass
	5251	5260	5259.64	-29.16	1.213	17.06	Pass
	5260	5266.7	5265.71	-28.62	1.374	3.27	Pass
	5266.7	5300	5283.51	-26.59	2.193	2.50	Pass
Middle	5300	26000	/	-35.34	0.292	2.50	Pass
	30	5100	/	-29.10	1.230	2.50	Pass
	5100	5142	5128.69	-27.94	1.607	2.50	Pass
	5142	5150	5149.99	-26.26	2.366	15	Pass
	5250	5250.2	5250.19	-27.73	1.687	670.91	Pass
	5250.2	5251	5250.99	-27.18	1.914	102.33	Pass
	5251	5260	5259.53	-27.86	1.637	17.45	Pass
	5260	5266.7	5265.69	-28.88	1.294	3.29	Pass
High	5266.7	5300	5285.04	-26.98	2.004	2.50	Pass
	5300	26000	/	-35.40	0.288	2.50	Pass
	30	5100	/	-29.68	1.076	2.50	Pass
	5100	5142	5113.65	-27.39	1.824	2.50	Pass
	5142	5150	5148.56	-25.88	2.582	15	Pass
	5250	5250.2	5250.00	-4.26	374.973	2154.43	Pass
	5250.2	5251	5250.52	-11.01	79.250	302.00	Pass
	5251	5260	5259.47	-28.08	1.556	17.66	Pass
High	5260	5266.7	5265.82	-29.00	1.259	3.17	Pass
	5266.7	5300	5286.50	-26.34	2.323	2.50	Pass
	5300	26000	/	-35.30	0.295	2.50	Pass

W52, Chain 0+Chain 1, 802.11ax he40

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	/	-29.59	1.099	2.50	Pass
	5100	5141.6	5120.76	-27.54	1.762	2.50	Pass
	5141.6	5150	5146.47	-25.81	2.624	15	Pass
	5250	5251	5250.94	-27.46	1.795	57.41	Pass
	5251	5270	5268.46	-28.00	1.585	9.20	Pass
	5270	5278.4	5277.06	-26.78	2.099	2.99	Pass
	5278.4	5300	5294.99	-26.31	2.339	2.50	Pass
	5300	26000	/	-35.36	0.291	2.50	Pass
High	30	5100	/	-31.13	0.771	2.50	Pass
	5100	5141.6	5120.09	-27.20	1.905	2.50	Pass
	5141.6	5150	5144.92	-25.98	2.523	15	Pass
	5250	5251	5250.93	-27.05	1.972	58.74	Pass
	5251	5270	5269.86	-27.95	1.603	8.03	Pass
	5270	5278.4	5278.36	-27.34	1.845	2.50	Pass
	5278.4	5300	5291.42	-26.43	2.275	2.50	Pass
	5300	26000	/	-34.41	0.362	2.50	Pass

W52, Chain 0+Chain 1, 802.11ax he80

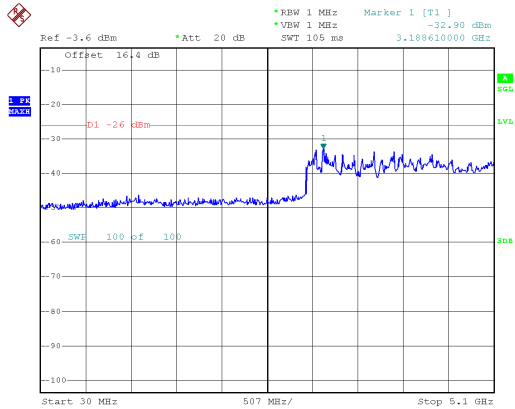
Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (μW/MHz)	Verdict
	Start (MHz)	Stop (MHz)		Reading (dBm/MHz)	Result (μW/MHz)		
Middle	30	5100	/	-29.22	1.197	2.50	Pass
	5100	5123.2	5113.15	-26.64	2.168	2.50	Pass
	5123.2	5150	5124.33	-26.09	2.460	15	Pass
	5250	5251	5250.13	-17.97	15.959	185.33	Pass
	5251	5290	5283.60	-26.01	2.506	5.36	Pass
	5290	5296.7	5296.20	-26.67	2.153	2.58	Pass
	5296.7	5350	5299.21	-26.81	2.084	2.50	Pass
	5350	26000	/	-35.32	0.294	2.50	Pass

In MIMO mode, the Result for sub-band (30~5100MHz and 5350~26000MHz) is calculated based on the test results of all corresponding antennas in that sub-band using the following formula:

$$\text{Chain0} + \text{Chain1 Result (dBm/RBW)} = 10 \times \log_{10} (10^{(\text{Chain0 Result}/10)} + 10^{(\text{Chain1 Result}/10)})$$

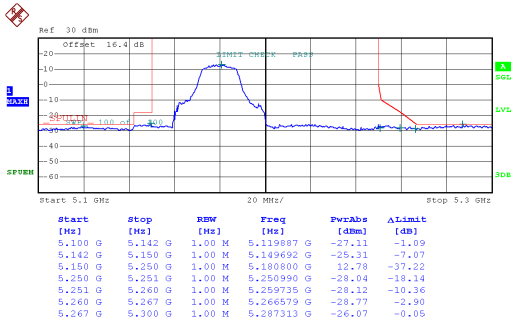
W52, Chain 0, Test Condition: NV

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



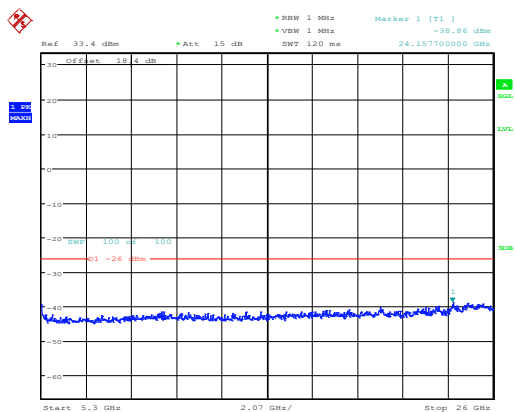
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802.11a, Low Channel(5.1GHz~5.3GHz)



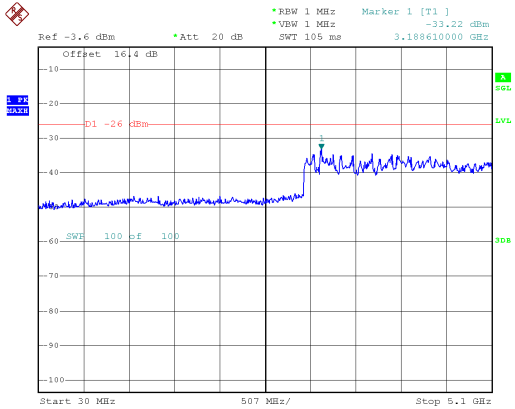
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Date: 16.SEP.2025 14:42:55

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



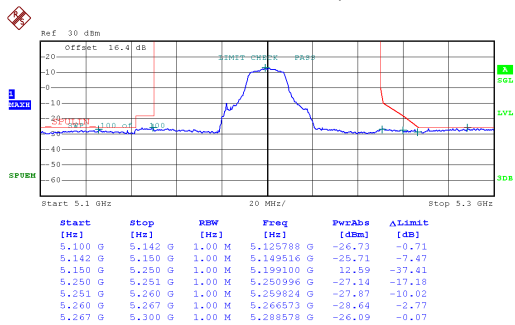
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802.11a, Middle Channel(30MHz~5.1GHz)



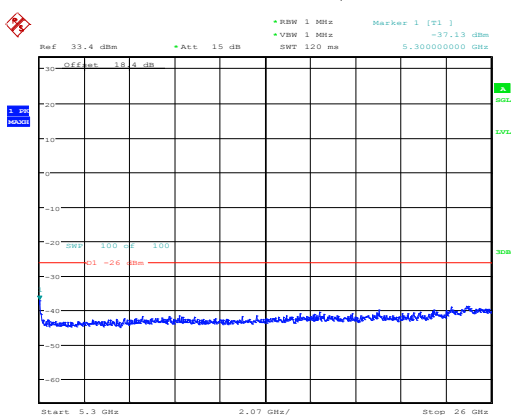
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802.11a, Middle Channel(5.1GHz~5.3GHz)



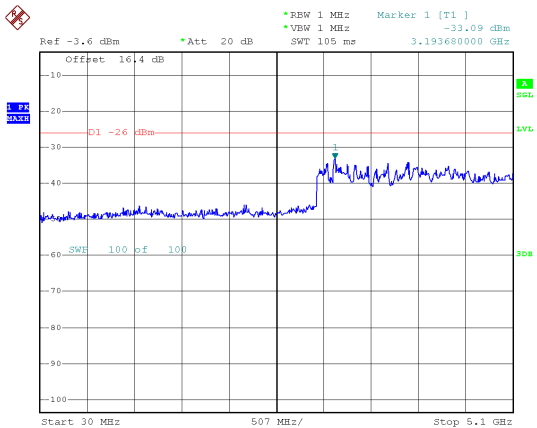
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802.11a, Middle Channel(5.3GHz~26GHz)



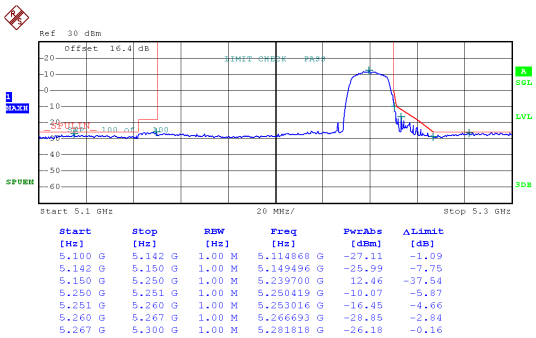
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802.11a, High Channel(30MHz~5.1GHz)



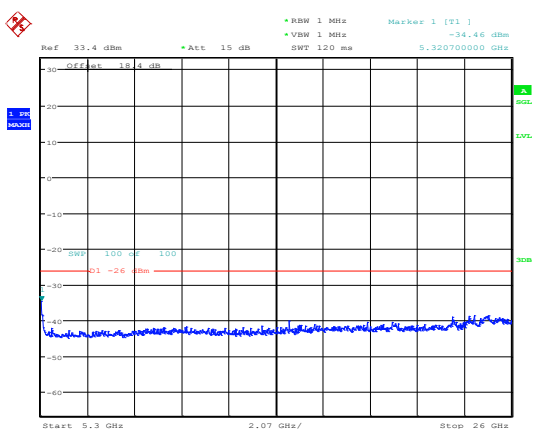
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802.11a, High Channel(5.1GHz~5.3GHz)



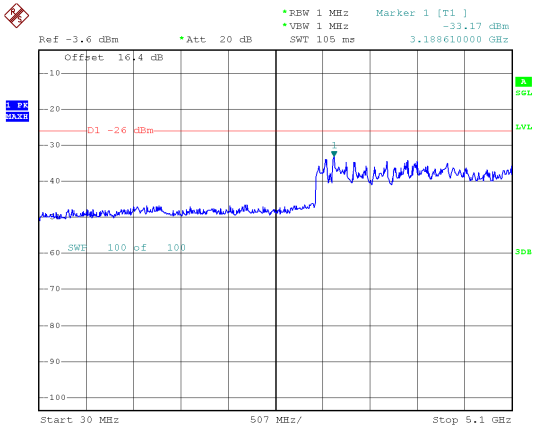
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802.11a, High Channel(5.3GHz~26GHz)



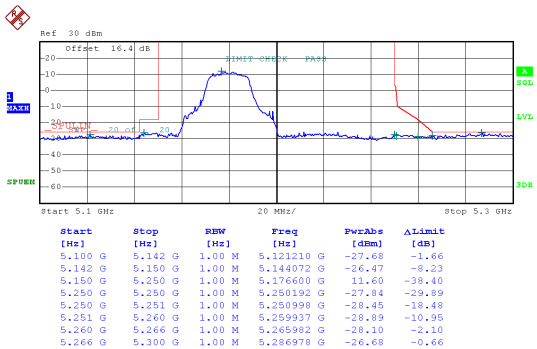
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802.11n ht20, Low Channel(30MHz~5.1GHz)



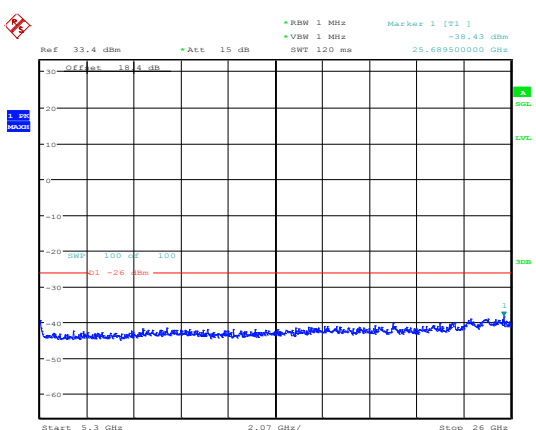
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802.11n ht20, Low Channel(5.1GHz~5.3GHz)



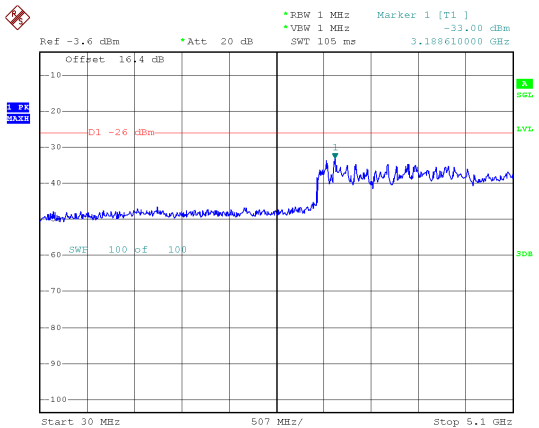
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802.11n ht20, Low Channel(5.3GHz~26GHz)



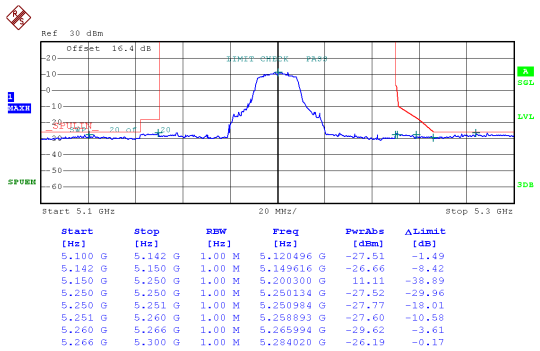
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802.11n ht20, Middle Channel(30MHz~5.1GHz)



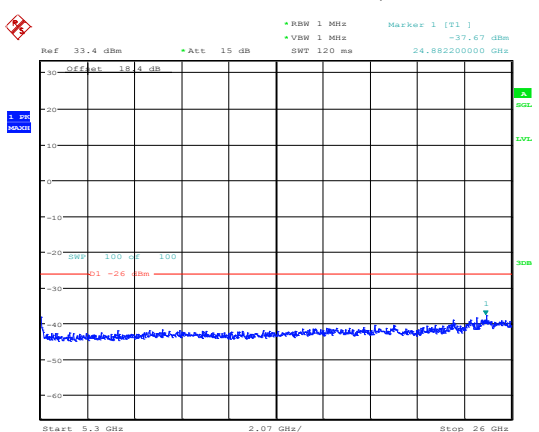
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802.11n ht20, Middle Channel(5.1GHz~5.3GHz)



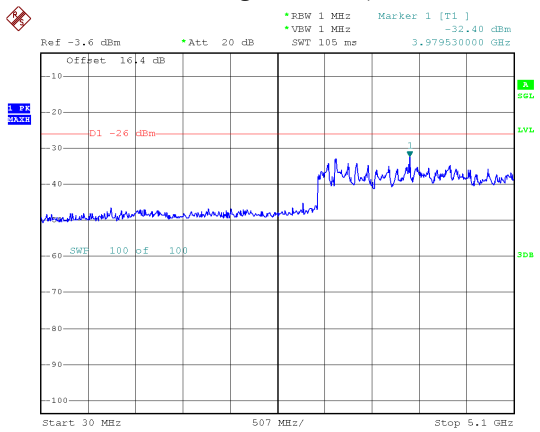
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802.11n ht20, Middle Channel(5.3GHz~26GHz)



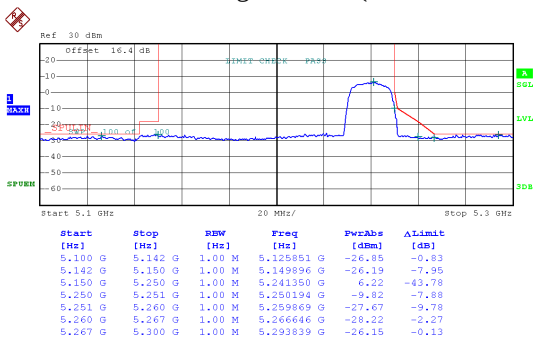
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802.11n ht20, High Channel(30MHz~5.1GHz)



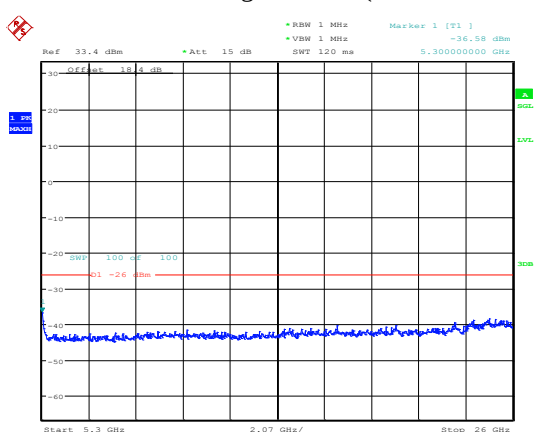
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802.11n ht20, High Channel(5.1GHz~5.3GHz)



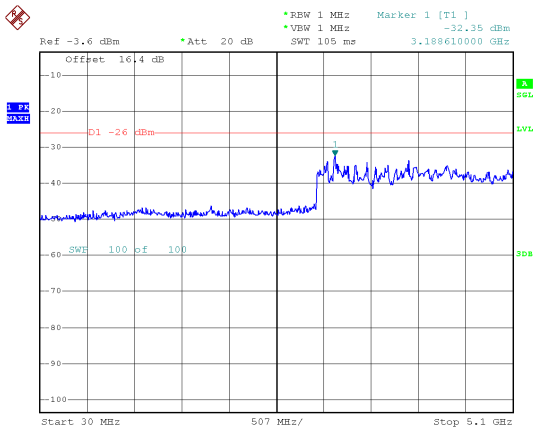
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802.11n ht20, High Channel(5.3GHz~26GHz)



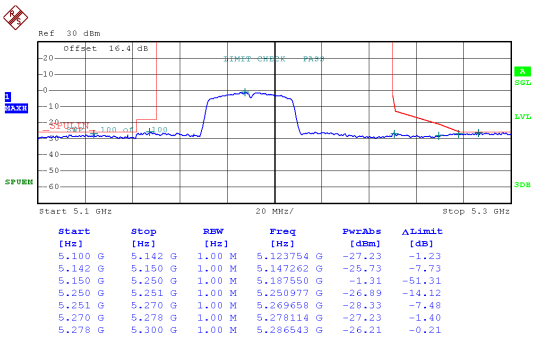
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802.11n ht40, Low Channel(30MHz~5.1GHz)



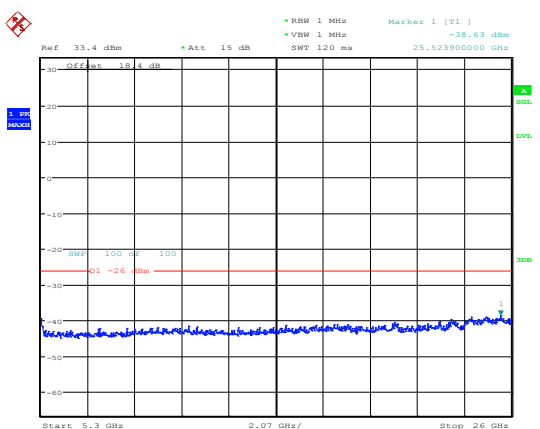
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802.11n ht40, Low Channel(5.1GHz~5.3GHz)



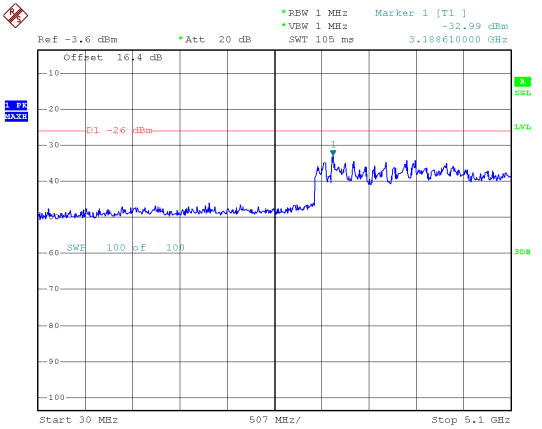
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802.11n ht40, Low Channel(5.3GHz~26GHz)



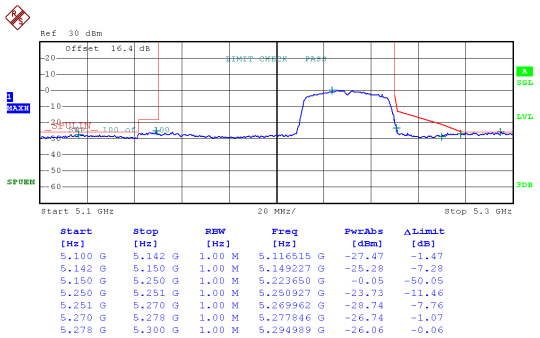
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802.11n ht40, High Channel(30MHz~5.1GHz)



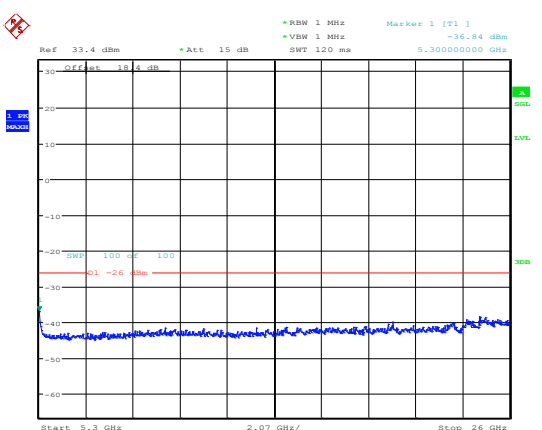
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802.11n ht40, High Channel(5.1GHz~5.3GHz)



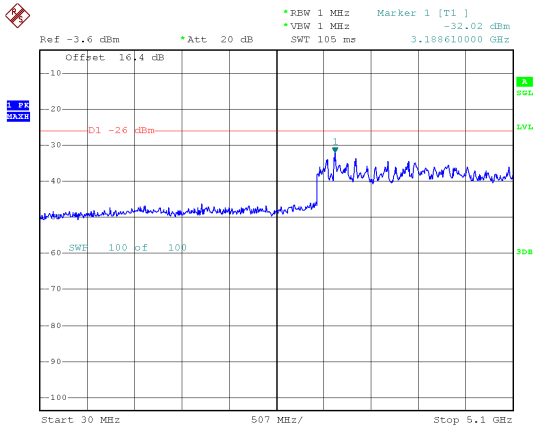
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802.11n ht40, High Channel(5.3GHz~26GHz)



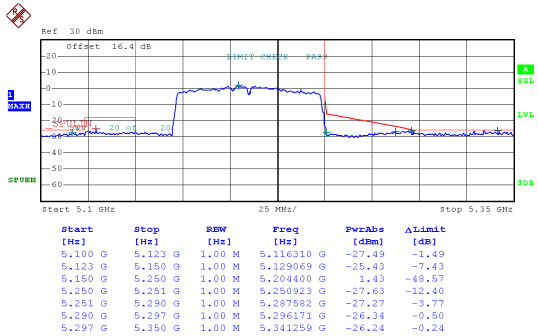
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802.11ac vht80, Middle Channel(30MHz~5.1GHz)



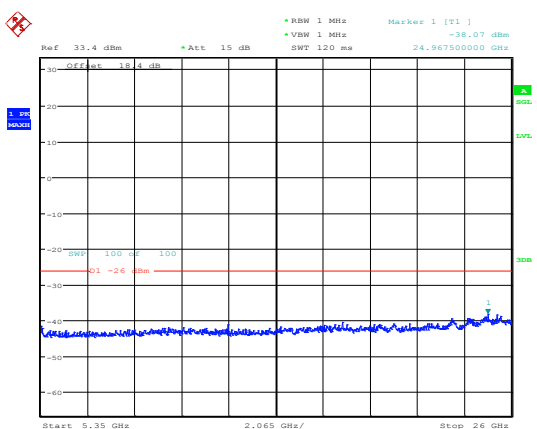
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802.11ac vht80, Middle Channel(5.1GHz~5.3GHz)



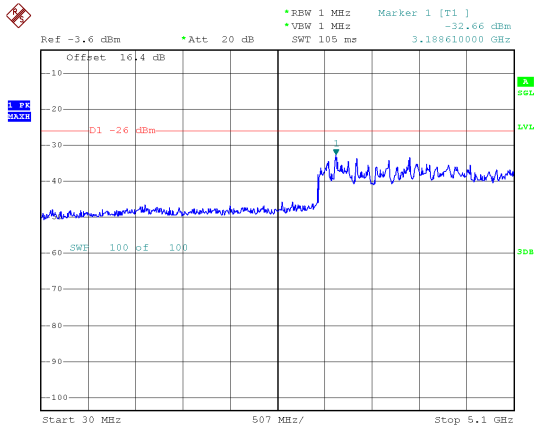
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802.11ac vht80, Middle Channel(5.35GHz~26GHz)



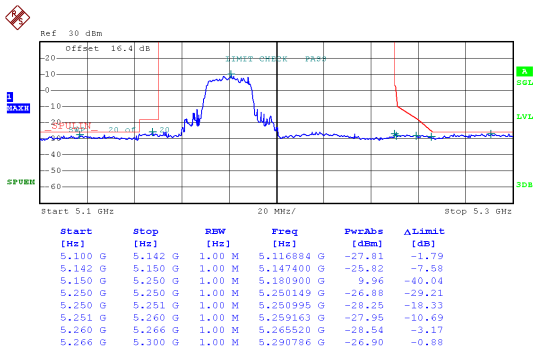
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802.11ax he20, Low Channel(30MHz~5.1GHz)



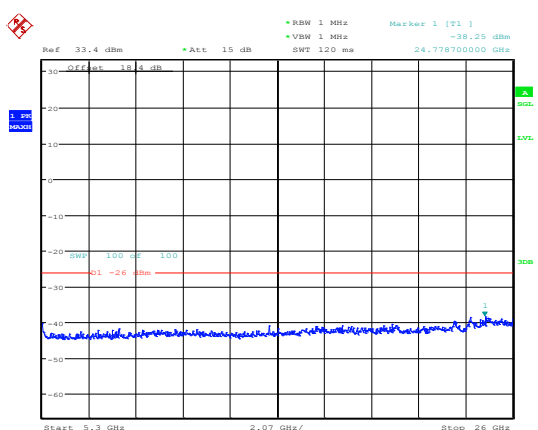
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Date: 10.SEP.2025 09:48:47

802.11ax he20, Low Channel(5.1GHz~5.3GHz)



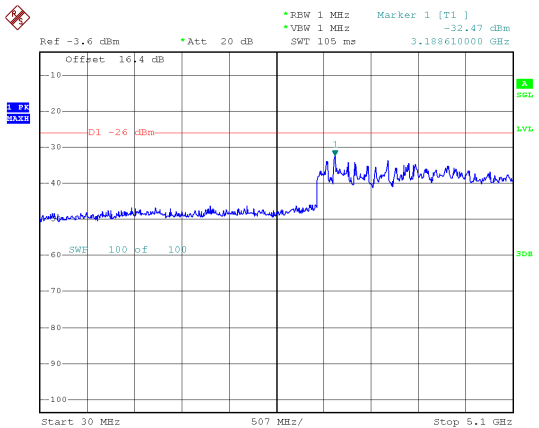
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 16.SEP.2025 16:43:34

802.11ax he20, Low Channel(5.3GHz~26GHz)



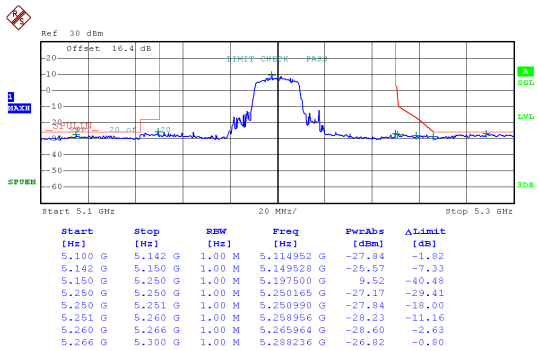
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 15:37:23

802.11ax he20, Middle Channel(30MHz~5.1GHz)



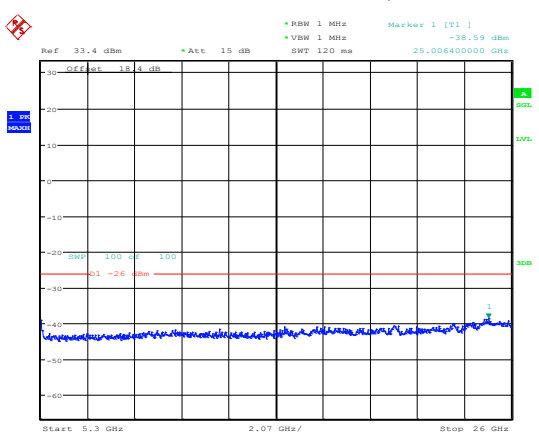
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 09:50:16

802.11ax he20, Middle Channel(5.1GHz~5.3GHz)



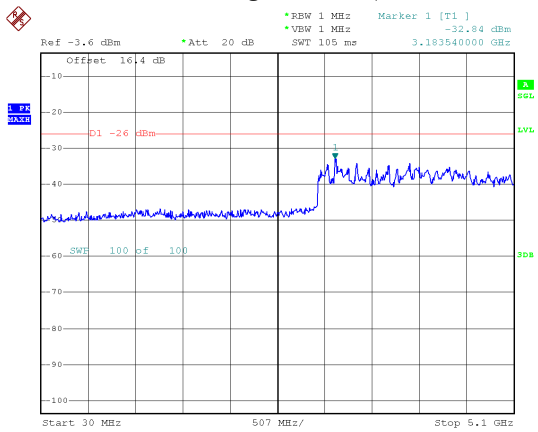
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 16.SEP.2025 16:45:09

802.11ax he20, Middle Channel(5.3GHz~26GHz)



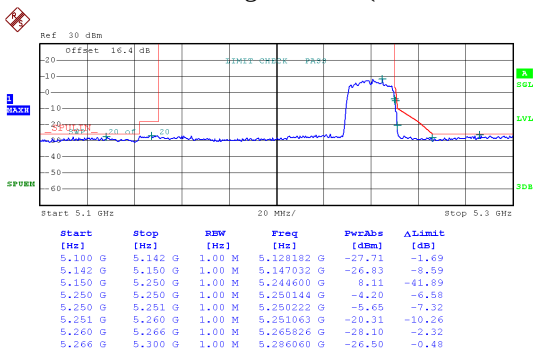
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 15:38:17

802.11ax he20, High Channel(30MHz~5.1GHz)



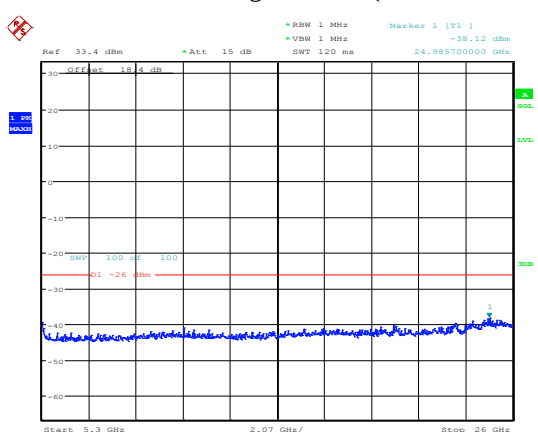
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 09:51:48

802.11ax he20, High Channel(5.1GHz~5.3GHz)



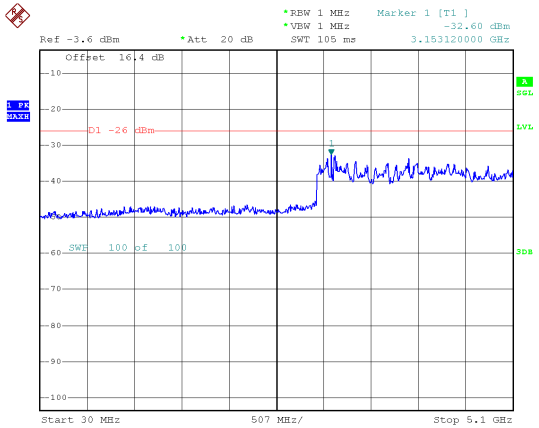
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 16.SEP.2025 16:46:07

802.11ax he20, High Channel(5.3GHz~26GHz)



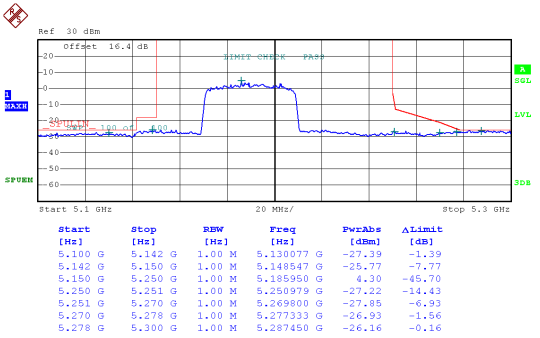
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 15:39:11

802.11ax he40, Low Channel(30MHz~5.1GHz)



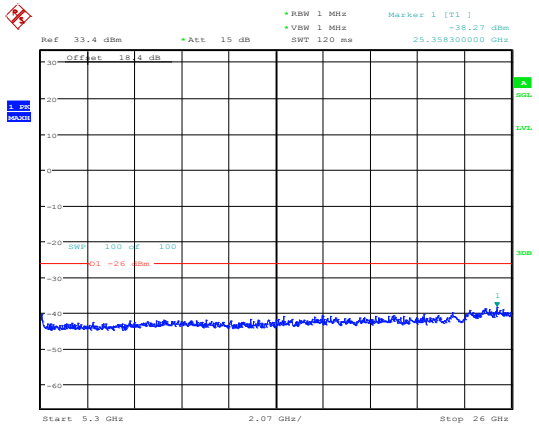
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 09:53:33

802.11ax he40, Low Channel(5.1GHz~5.3GHz)



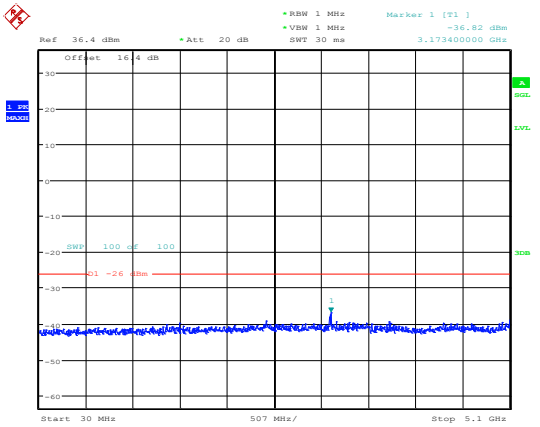
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 11:18:29

802.11ax he40, Low Channel(5.3GHz~26GHz)



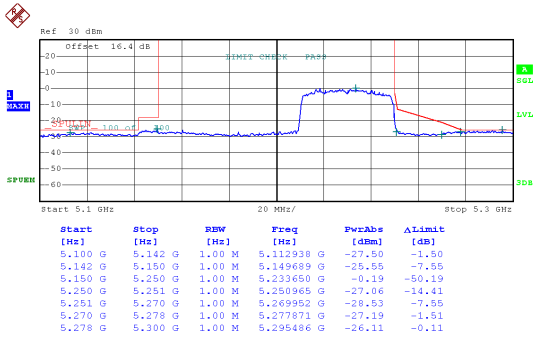
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 15:40:14

802.11ax he40, High Channel(30MHz~5.1GHz)



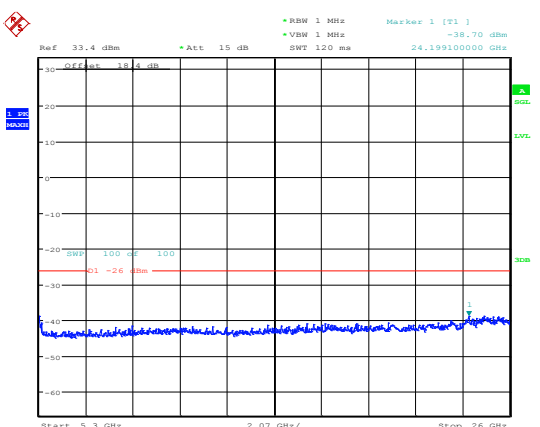
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Date: 15.SEP.2025 15:45:57

802.11ax he40, High Channel(5.1GHz~5.3GHz)



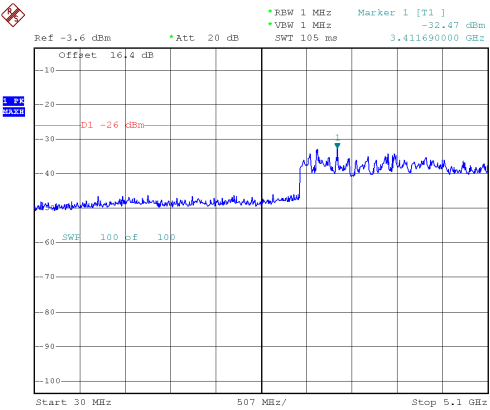
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 11:29:47

802.11ax he40, High Channel(5.3GHz~26GHz)



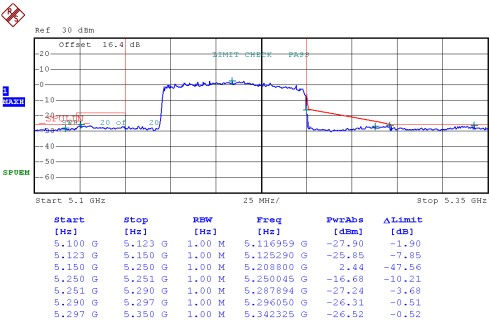
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 15:48:46

802.11ax he80, Middle Channel(30MHz~5.1GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 09:55:17

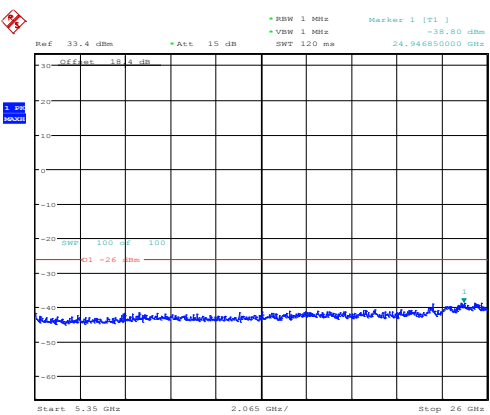
802.11ax he80, Middle Channel(5.1GHz~5.3GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 16.SEP.2025 16:50:21

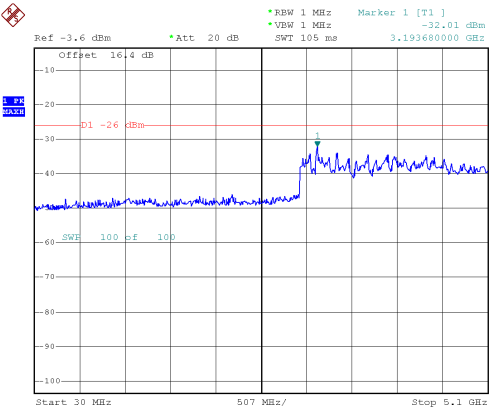
W52, Chain 1, Test Condition: NV

802.11ax he80, Middle Channel(5.35GHz~26GHz)



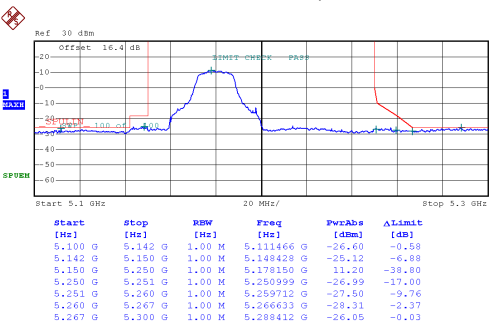
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 15:49:53

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



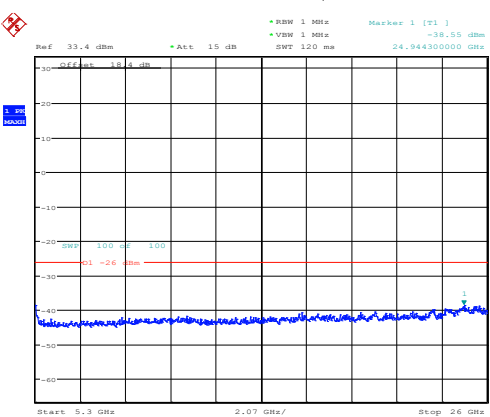
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 10:02:37

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



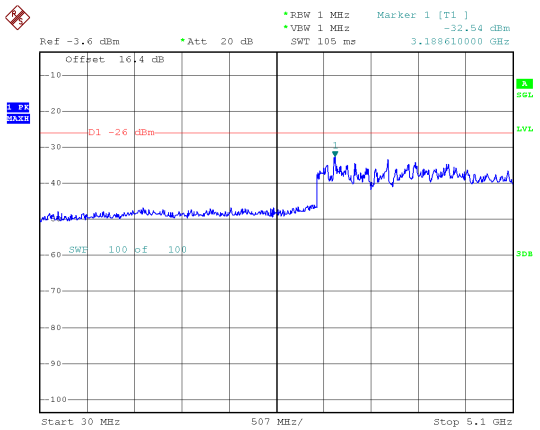
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 08:49:31

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



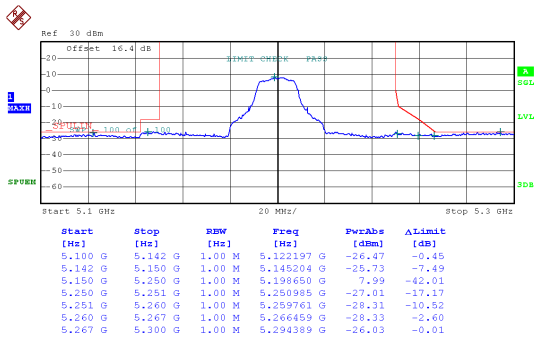
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Date: 19.SEP.2025 08:15:33

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



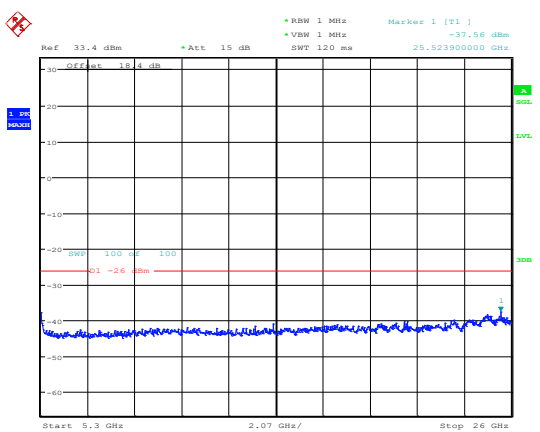
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802.11a, Middle Channel(5.1GHz~5.3GHz)



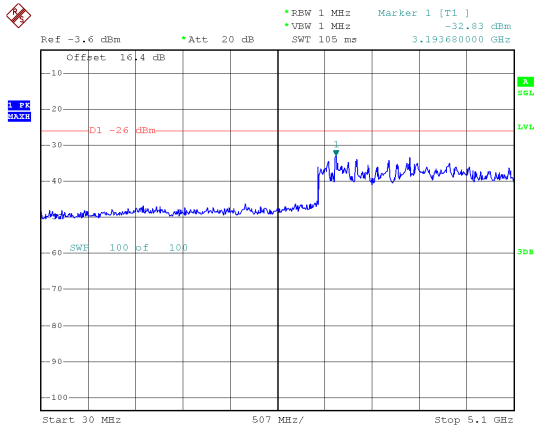
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802.11a, Middle Channel(5.3GHz~26GHz)



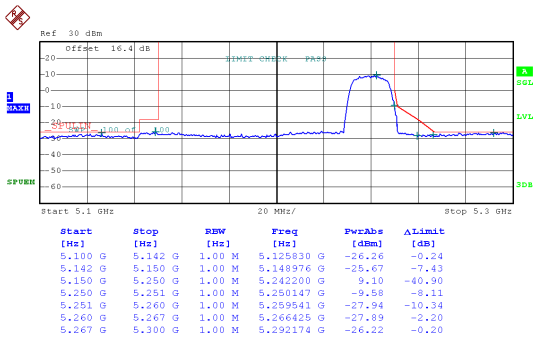
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 19.SEP.2025 08:16:13

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



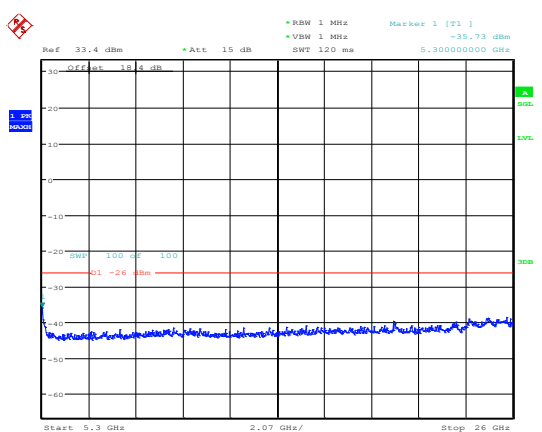
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 10:05:31

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



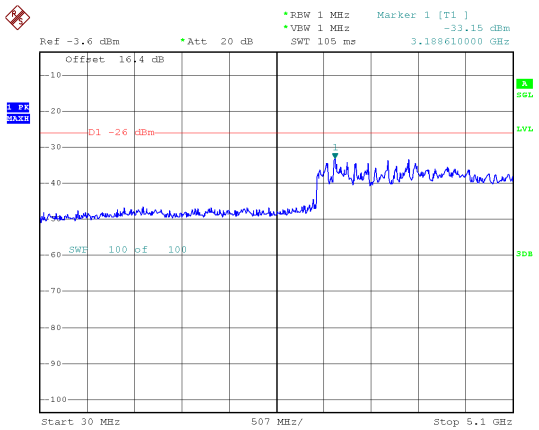
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802.11a, High Channel(5.3GHz~26GHz)



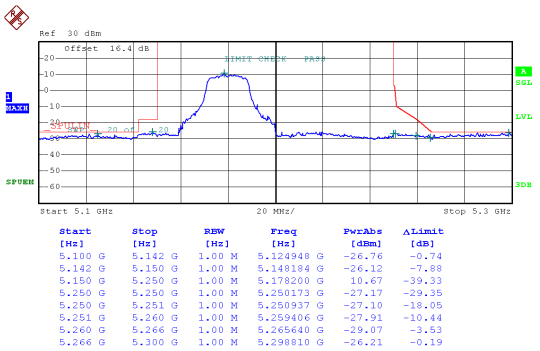
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Date: 19.SEP.2025 08:17:08

802.11n ht20, Low Channel(30MHz~5.1GHz)



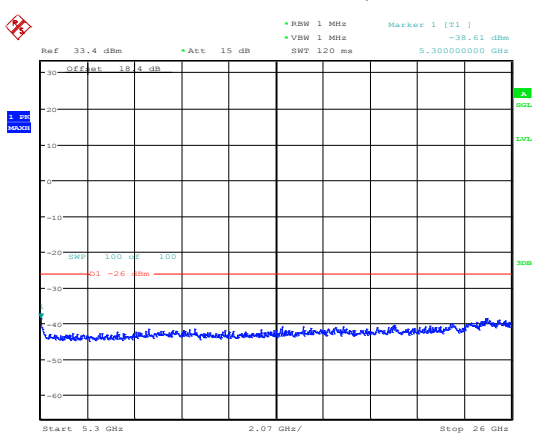
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Date: 10.SEP.2025 10:07:12

802.11n ht20, Low Channel(5.1GHz~5.3GHz)



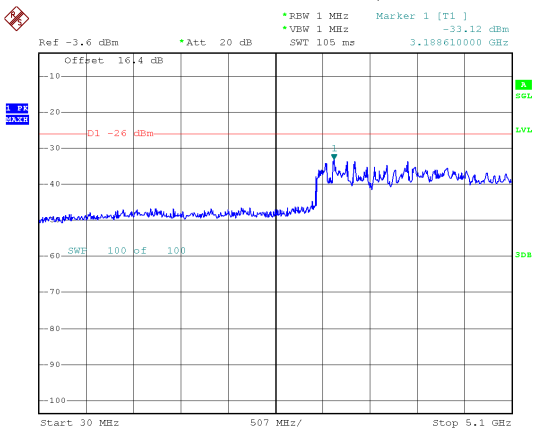
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802.11n ht20, Low Channel(5.3GHz~26GHz)



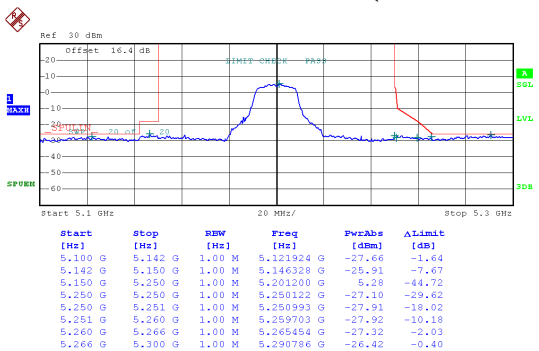
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802.11n ht20, Middle Channel(30MHz~5.1GHz)



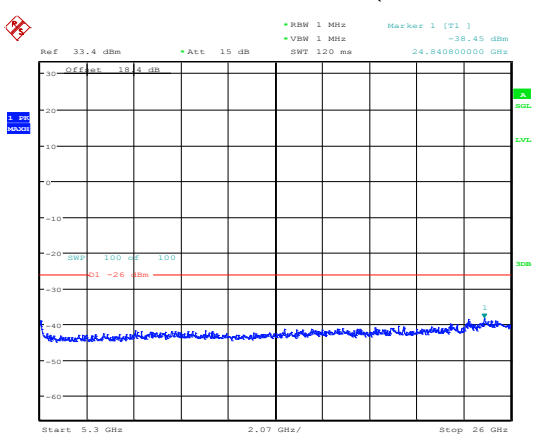
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802.11n ht20, Middle Channel(5.1GHz~5.3GHz)



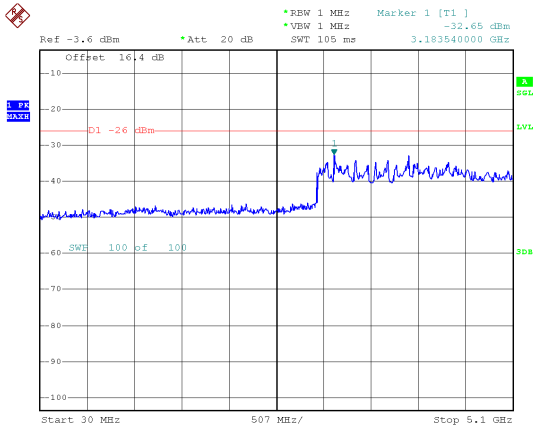
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Date: 17.SEP.2025 09:18:40

802.11n ht20, Middle Channel(5.3GHz~26GHz)



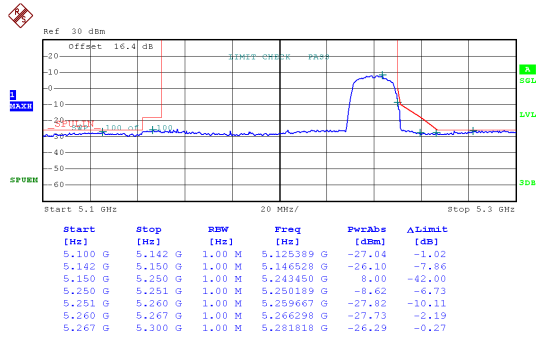
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802.11n ht20, High Channel(30MHz~5.1GHz)



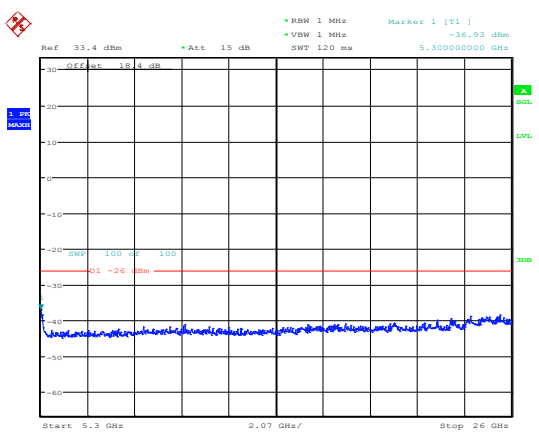
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802.11n ht20, High Channel(5.1GHz~5.3GHz)



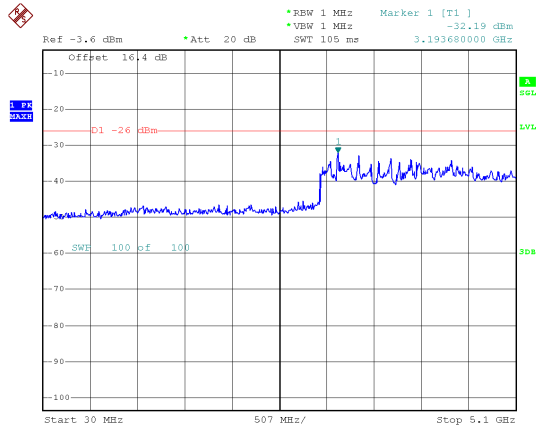
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802.11n ht20, High Channel(5.3GHz~26GHz)



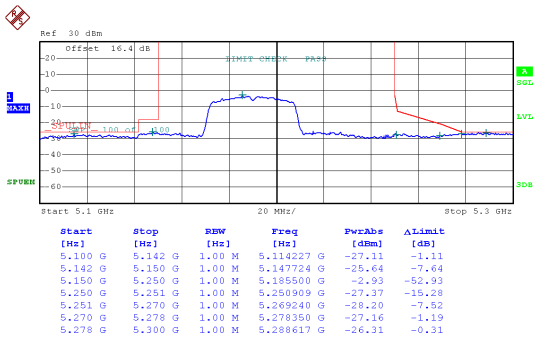
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802.11n ht40, Low Channel(30MHz~5.1GHz)



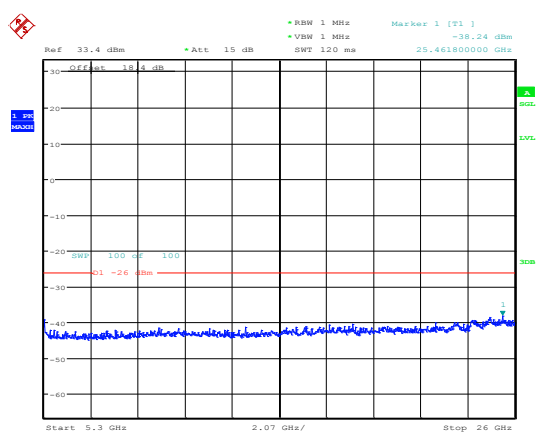
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 10:11:53

802.11n ht40, Low Channel(5.1GHz~5.3GHz)



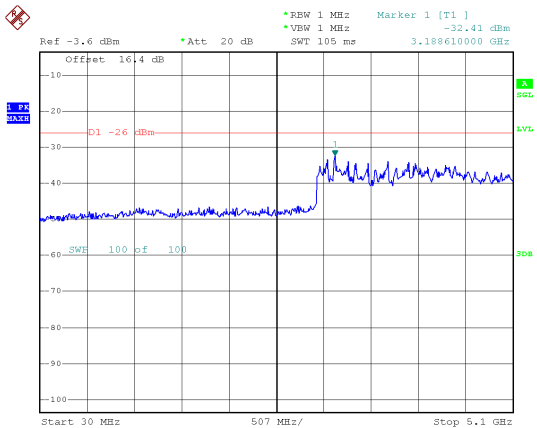
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 10:48:55

802.11n ht40, Low Channel(5.3GHz~26GHz)



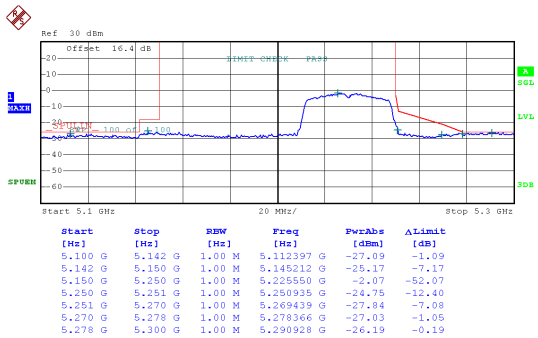
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802.11n ht40, High Channel(30MHz~5.1GHz)



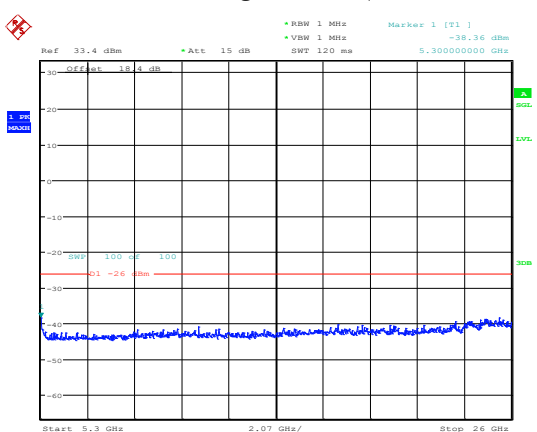
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802.11n ht40, High Channel(5.1GHz~5.3GHz)



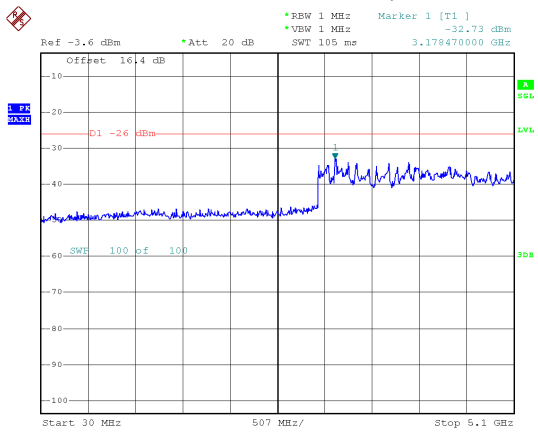
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Date: 17.SEP.2025 14:07:38

802.11n ht40, High Channel(5.3GHz~26GHz)



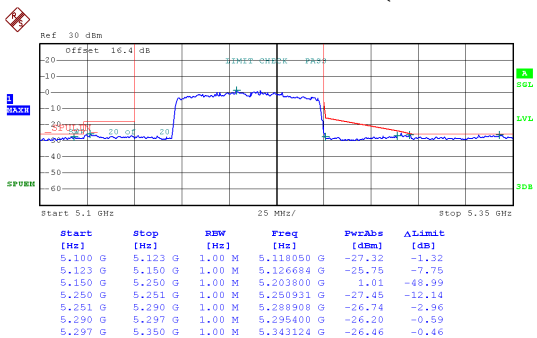
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Date: 15.SEP.2025 16:04:18

802.11ac vht80, Middle Channel(30MHz~5.1GHz)



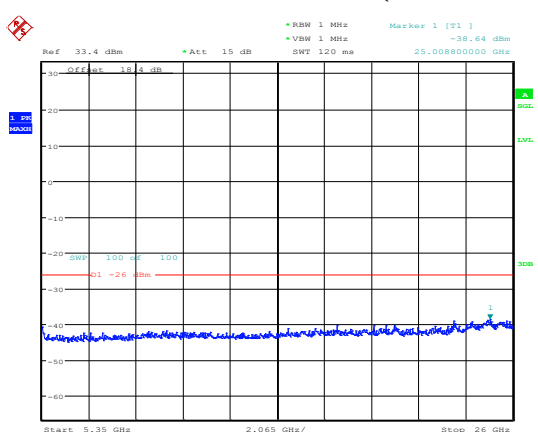
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802.11ac vht80, Middle Channel(5.1GHz~5.3GHz)



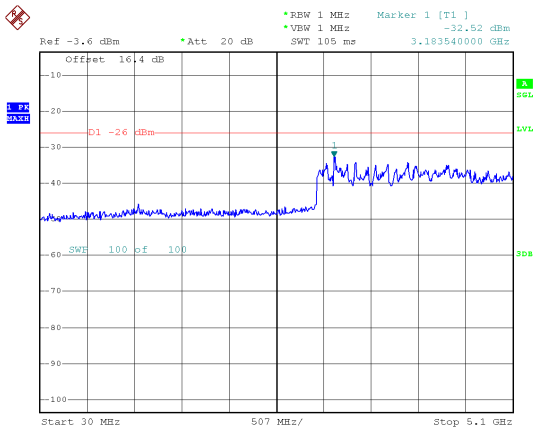
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 10:05:21

802.11ac vht80, Middle Channel(5.35GHz~26GHz)



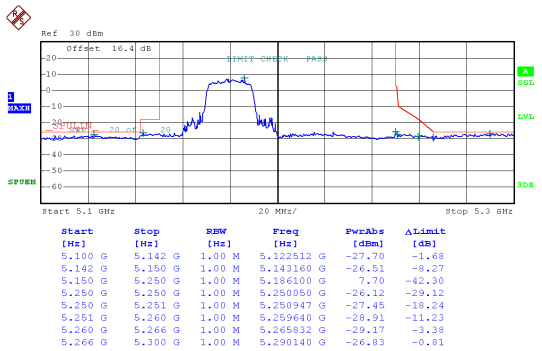
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802.11ax he20, Low Channel(30MHz~5.1GHz)



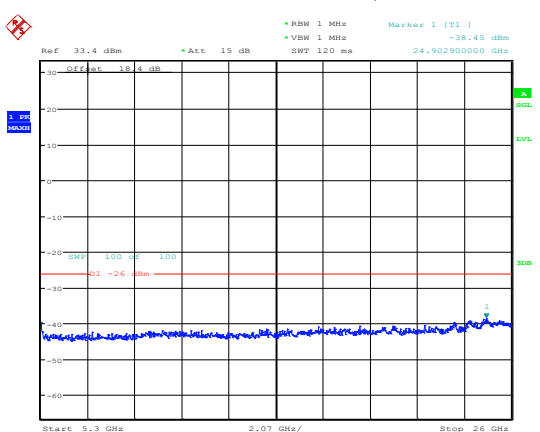
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Date: 10.SEP.2025 10:15:23

802.11ax he20, Low Channel(5.1GHz~5.3GHz)



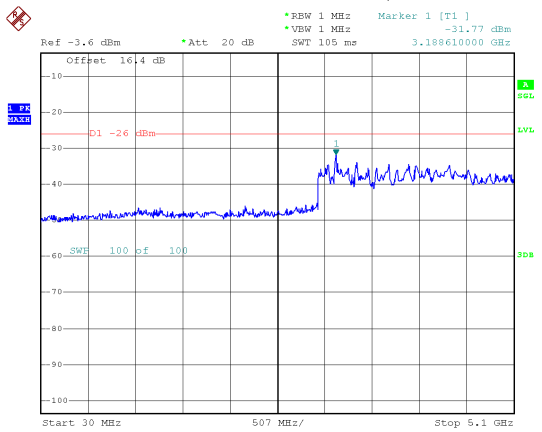
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Date: 17.SEP.2025 09:46:21

802.11ax he20, Low Channel(5.3GHz~26GHz)



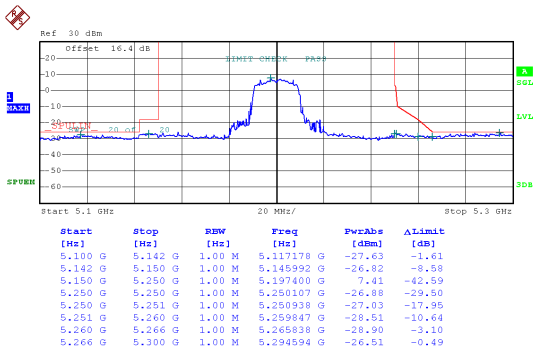
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802.11ax he20, Middle Channel(30MHz~5.1GHz)



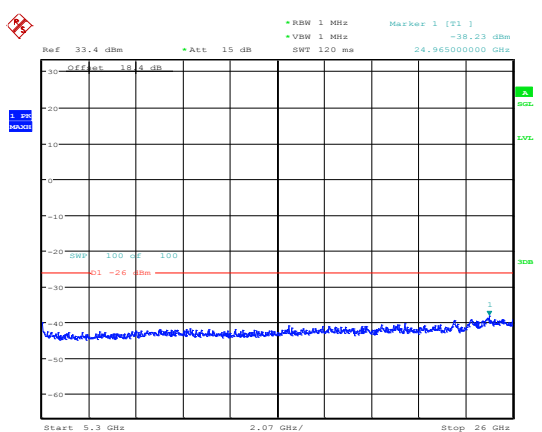
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802.11ax he20, Middle Channel(5.1GHz~5.3GHz)



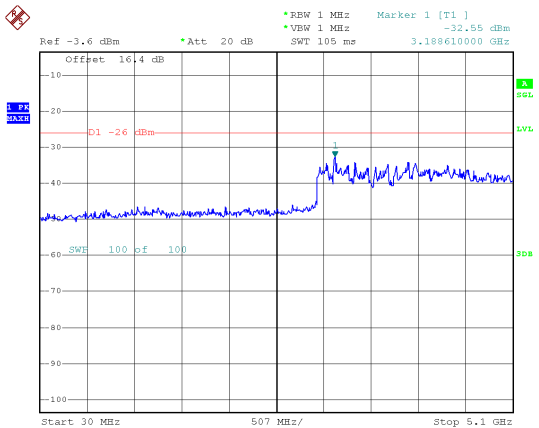
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Date: 17.SEP.2025 09:47:25

802.11ax he20, Middle Channel(5.3GHz~26GHz)



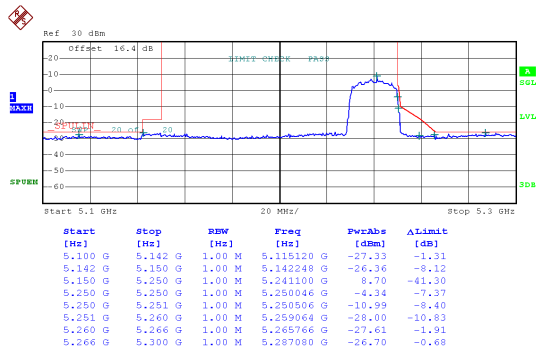
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802.11ax he20, High Channel(30MHz~5.1GHz)



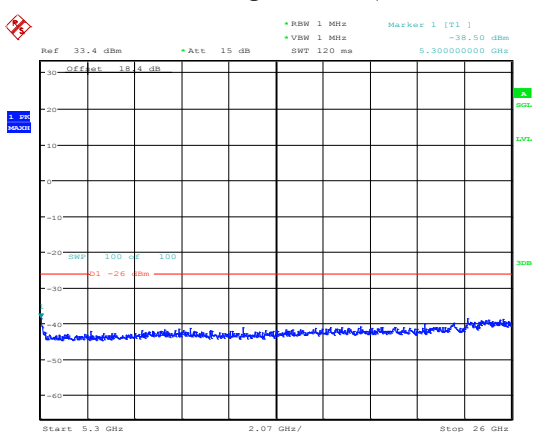
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 10:19:08

802.11ax he20, High Channel(5.1GHz~5.3GHz)



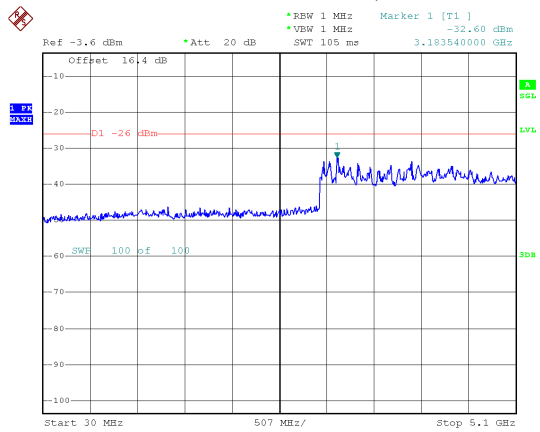
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:48:22

802.11ax he20, High Channel(5.3GHz~26GHz)



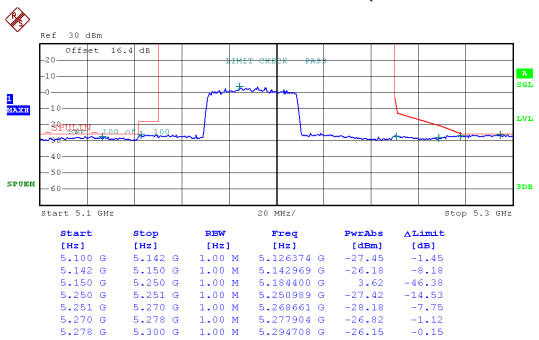
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:07:20

802.11ax he40, Low Channel(30MHz~5.1GHz)



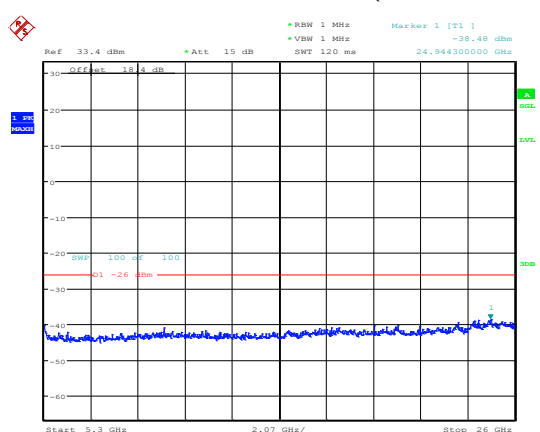
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 10:22:37

802.11ax he40, Low Channel(5.1GHz~5.3GHz)



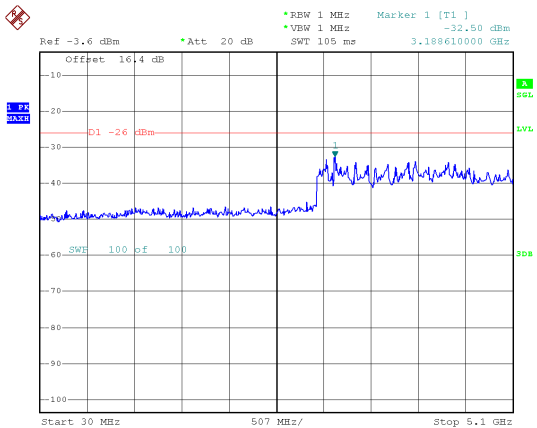
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 11:19:38

802.11ax he40, Low Channel(5.3GHz~26GHz)



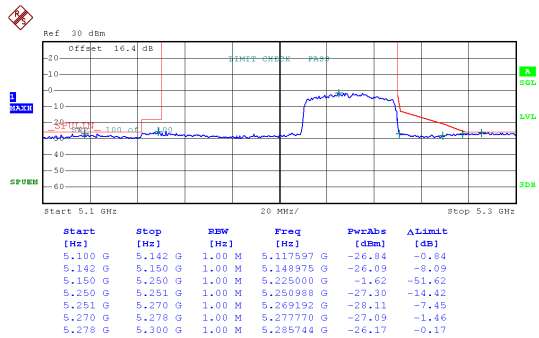
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:08:26

802.11ax he40, High Channel(30MHz~5.1GHz)



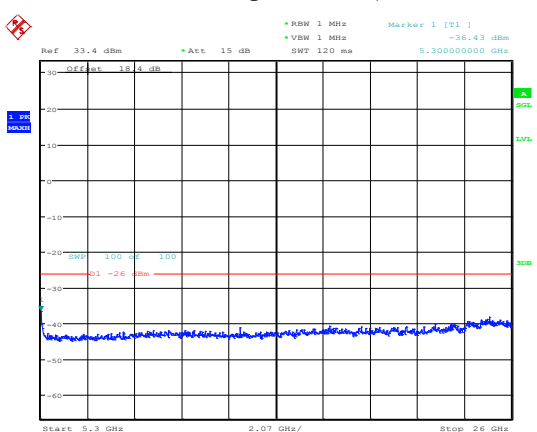
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 10:24:04

802.11ax he40, High Channel(5.1GHz~5.3GHz)



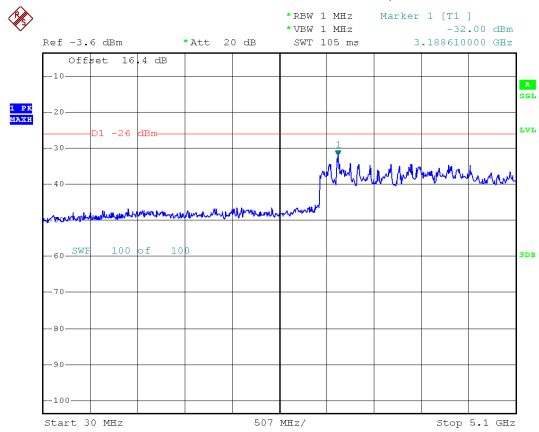
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 11:34:23

802.11ax he40, High Channel(5.3GHz~26GHz)



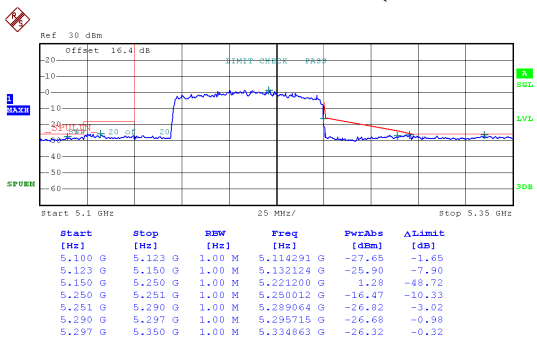
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:09:26

802.11ax he80, Middle Channel(30MHz~5.1GHz)



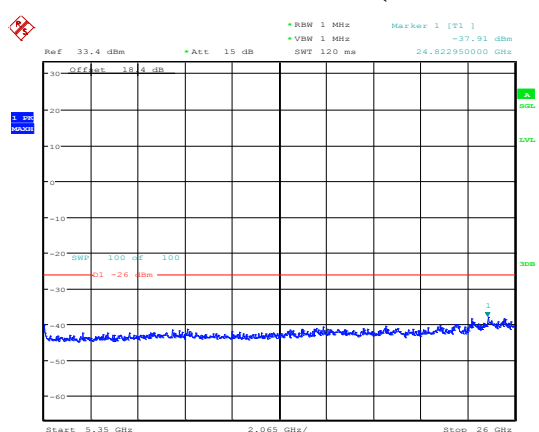
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 10:25:36

802.11ax he80, Middle Channel(5.1GHz~5.3GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:58:25

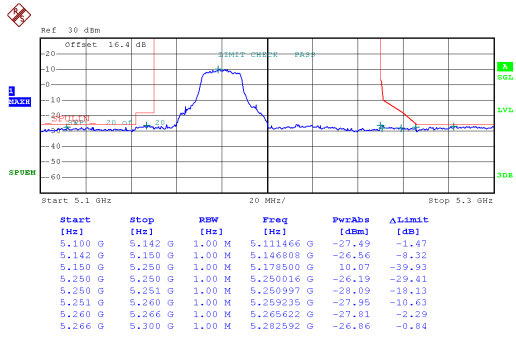
802.11ax he80, Middle Channel(5.35GHz~26GHz)



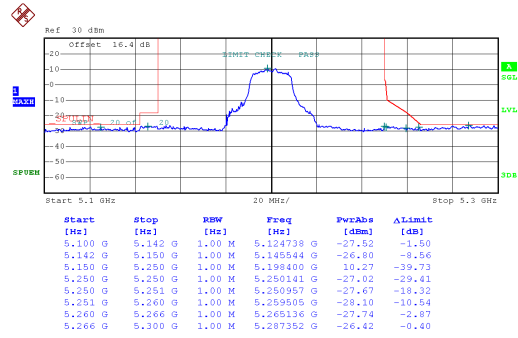
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:10:46

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

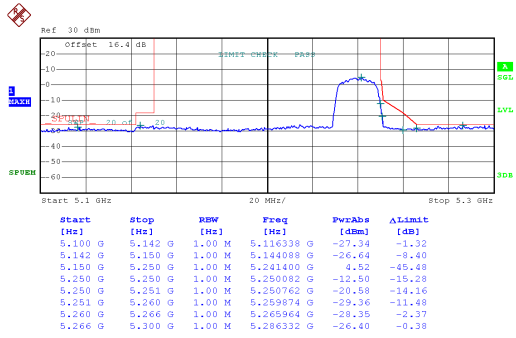
802.11n ht20, Low Channel(5.1GHz~5.3GHz)

ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:06:09

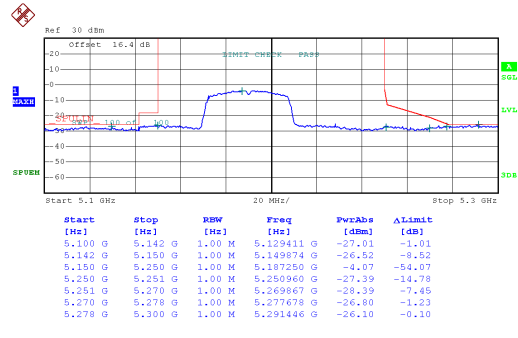
802.11n ht20, Middle Channel(5.1GHz~5.3GHz)

ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:07:25

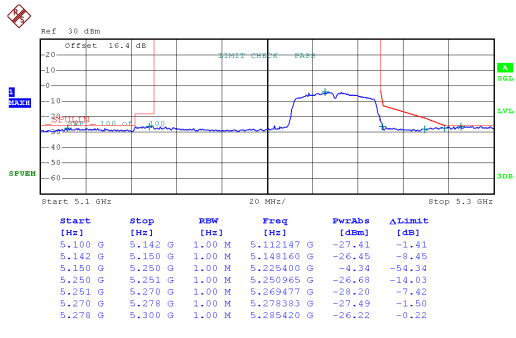
802.11n ht20, High Channel(5.1GHz~5.3GHz)

ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:24:30

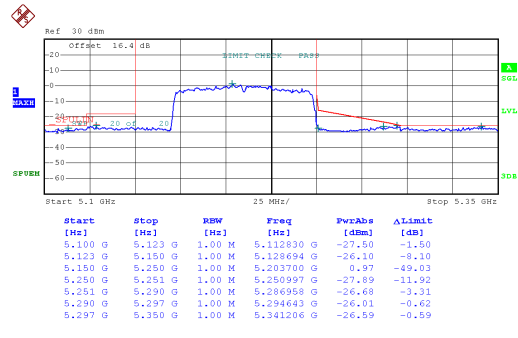
802.11n ht40, Low Channel(5.1GHz~5.3GHz)

ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 10:50:13

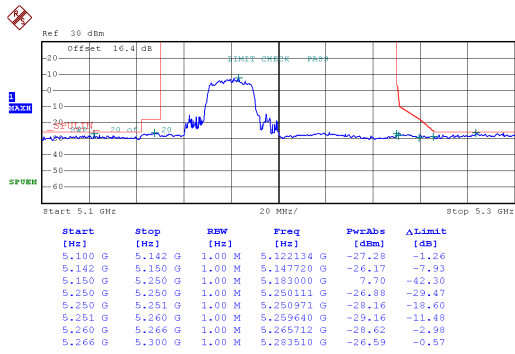
802.11n ht40, High Channel(5.1GHz~5.3GHz)

ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 14:14:27

802.11ac vht80, Middle Channel(5.1GHz~5.3GHz)

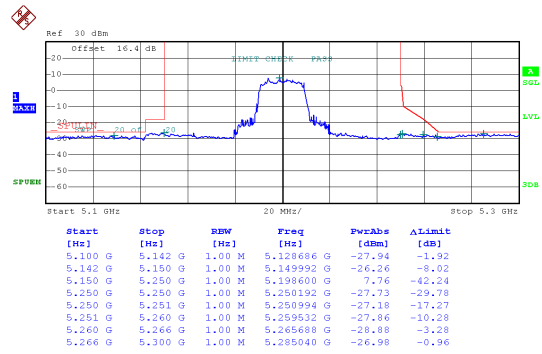
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 10:06:05

802.11ax he20, Low Channel(5.1GHz~5.3GHz)



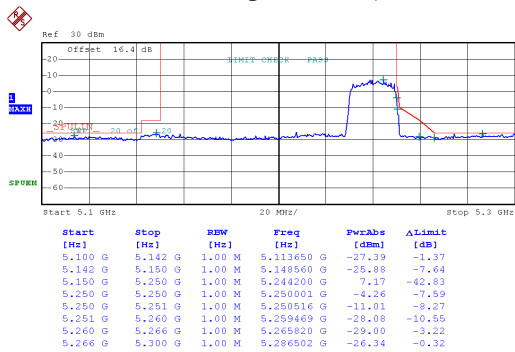
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:55:04

802.11ax he20, Middle Channel(5.1GHz~5.3GHz)



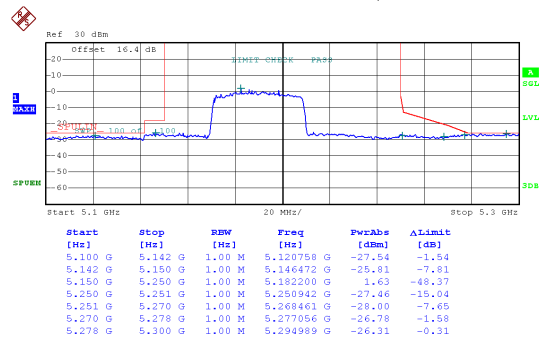
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:56:02

802.11ax he20, High Channel(5.1GHz~5.3GHz)



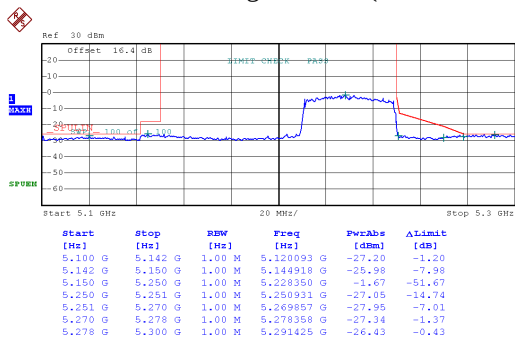
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 09:57:05

802.11ax he40, Low Channel(5.1GHz~5.3GHz)



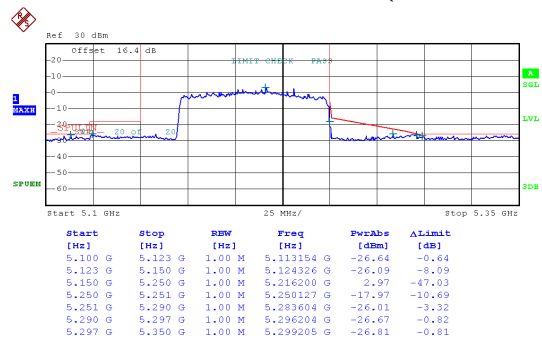
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 11:25:48

802.11ax he40, High Channel(5.1GHz~5.3GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 11:35:40

802.11ax he80, Middle Channel(5.1GHz~5.3GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 17.SEP.2025 10:04:03

4.5 Output Power and Output Power Tolerance

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

Test Mode: Transmitting

W52:

Antenna	Mode	Antenna Gain (dBi)	Declared Power (mW/MHz)
Chain 0	802.11a	5.93	1.3
Chain 1	802.11a	5.93	1.3
Chain 0+Chain 1	802.11n ht20	5.93	1.9
	802.11n ht40	5.93	0.8
	802.11ac vht80	5.93	0.4
	802.11ax he20	5.93	2.1
	802.11ax he40	5.93	0.8
	802.11ax he80	5.93	0.5

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	0.63	1.156	≤ 10	-11.08	-80~+20	6.56	10	Pass
		Middle	1.11	1.291	≤ 10	-0.69	-80~+20	7.04	10	Pass
		High	-0.16	0.964	≤ 10	-25.85	-80~+20	5.77	10	Pass
Chain 1	802.11a	Low	1.26	1.337	≤ 10	2.85	-80~+20	7.19	10	Pass
		Middle	0.69	1.172	≤ 10	-9.85	-80~+20	6.62	10	Pass
		High	-0.06	0.986	≤ 10	-24.15	-80~+20	5.87	10	Pass

Chain 0+ Chain 1:

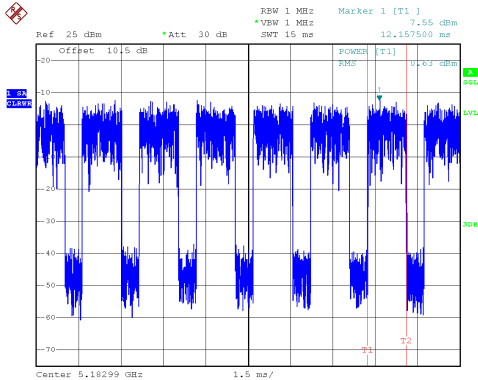
Mode	Channel	Conducted Power (dBm/MHz)			Antenna Output Power (mW/MHz)		Antenna Output Tolerance (%)		EIRP (mW/MHz)		Verdict
		Chain 0	Chain 1	Total	Result	Limit	Result	Limit	Result	Limit	
802.11n ht20	Low	-0.08	-2.98	1.72	1.486	≤ 10	-21.79	-80~+20	7.65	10	Pass
	Middle	-0.08	-0.50	2.73	1.875	≤ 10	-1.32		8.66	10	Pass
	High	-1.69	-2.40	0.98	1.253	≤ 10	-34.05		6.91	10	Pass
802.11n ht40	Low	-4.63	-4.15	-1.37	0.729	≤ 5	-8.88		4.56	5	Pass
	High	-4.89	-4.16	-1.50	0.708	≤ 5	-11.50		4.43	5	Pass
802.11ac vht80	Middle	-7.30	-7.78	-4.52	0.353	≤ 2.5	-11.75		1.41	2.5	Pass
802.11ax he20	Low	-0.59	-1.57	1.96	1.570	≤ 10	-25.24	-80~+20	7.89	10	Pass
	Middle	0.35	-0.26	3.07	2.028	≤ 10	-3.43		9.00	10	Pass
	High	-0.10	-1.50	2.27	1.687	≤ 10	-19.67		8.20	10	Pass
802.11ax he40	Low	-4.65	-3.59	-1.08	0.780	≤ 5	-2.50		4.85	5	Pass
	High	-5.25	-4.44	-1.82	0.658	≤ 5	-17.75		4.11	5	Pass
802.11ax he80	Middle	-7.01	-6.42	-3.69	0.428	≤ 2.5	-14.40		2.24	2.5	Pass

The test plots as following:

Antenna Power:

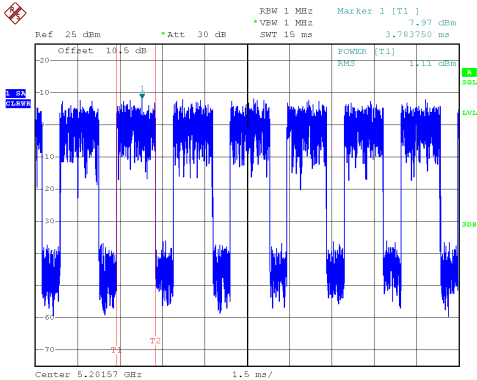
W52, Chain 0, Test Condition: NV

802.11a, Low Channel



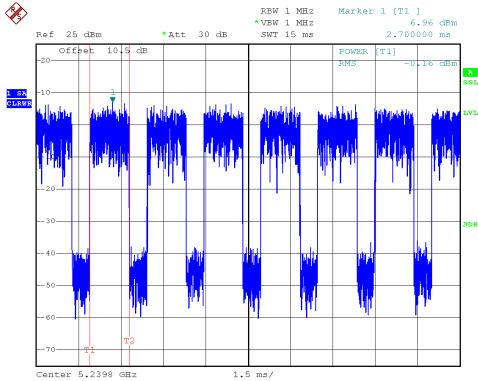
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:29:14

802.11a, Middle Channel



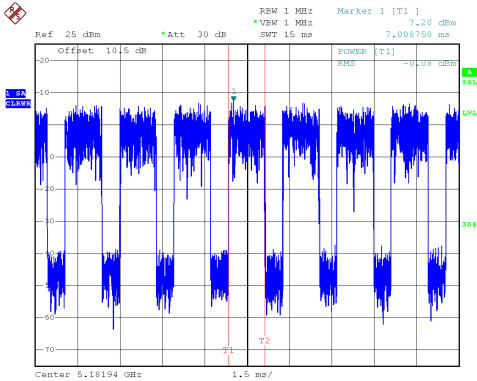
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:30:40

802.11a, High Channel



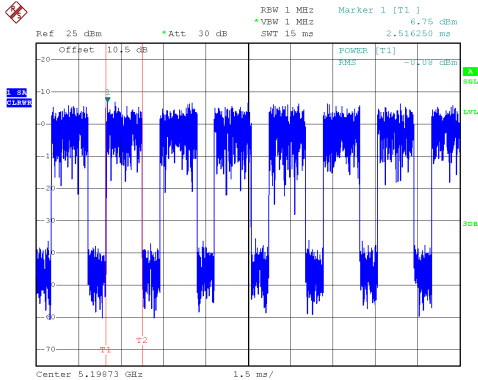
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:33:02

802.11n20, Low Channel



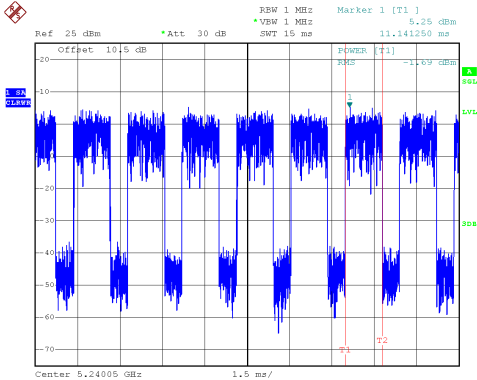
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:36:05

802.11n20, Middle Channel



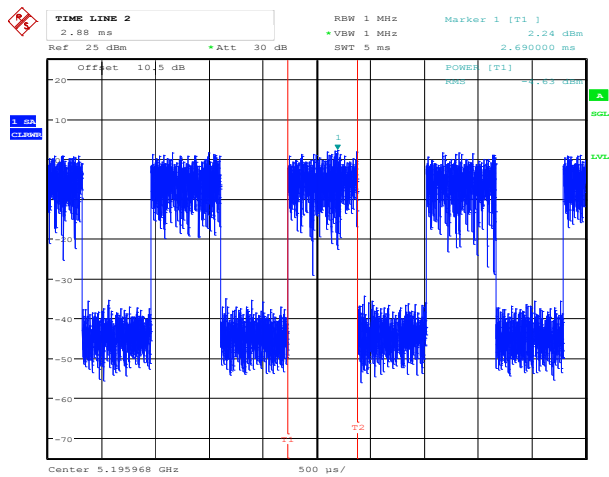
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:39:08

802.11n20, High Channel



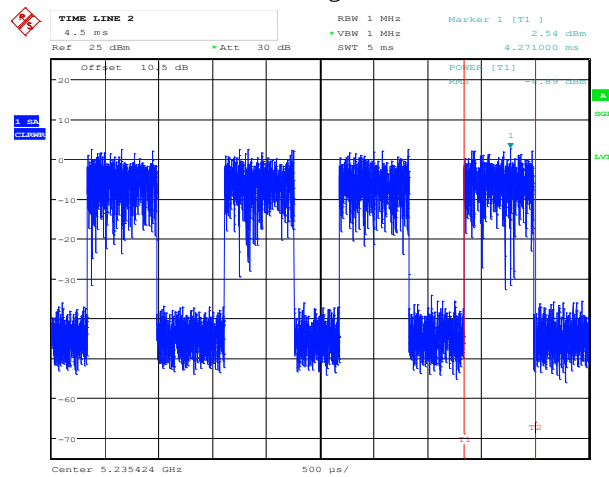
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:40:39

802.11n40, Low Channel



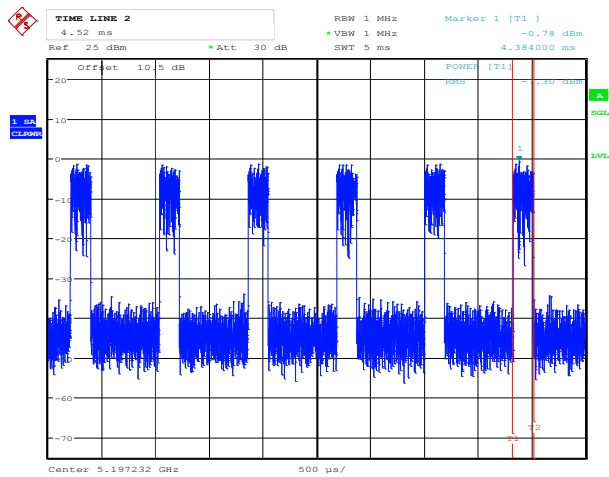
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.OCT.2025 11:03:21

802.11n40, High Channel



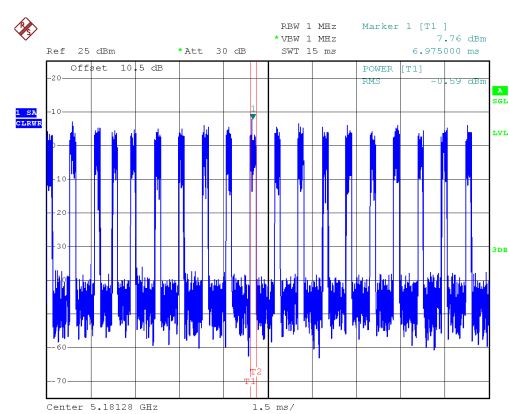
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.OCT.2025 11:05:24

802.11ac80, Middle Channel



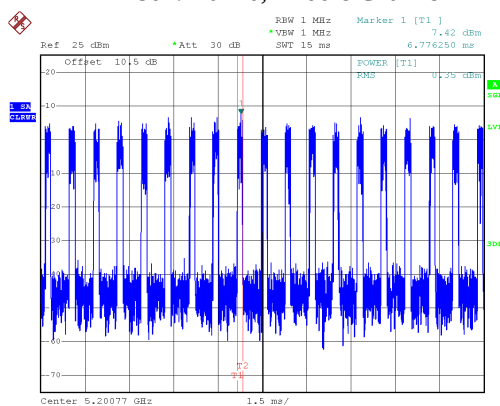
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.OCT.2025 11:16:07

802.11ax20, Low Channel



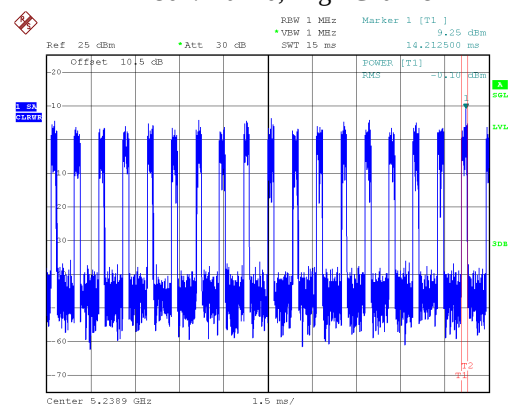
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:46:22

802.11ax20, Middle Channel



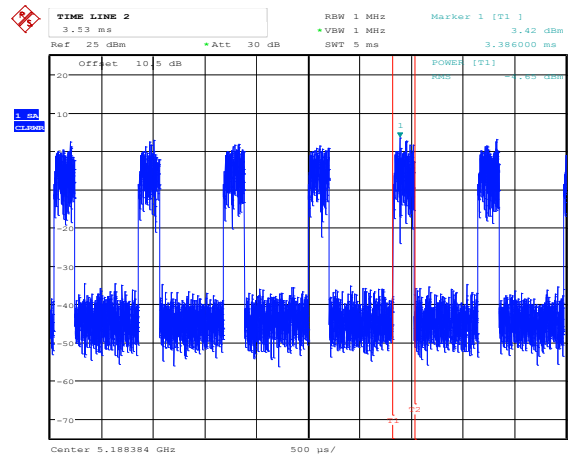
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:50:39

802.11ax20, High Channel



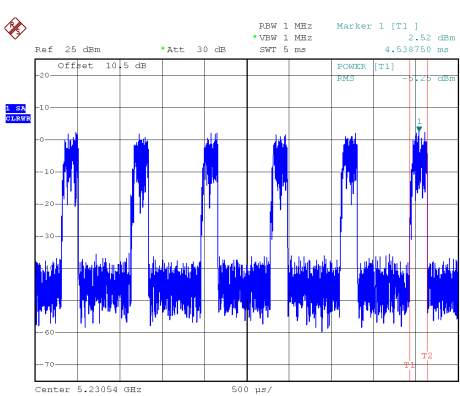
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:52:06

802.11ax40, Low Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.OCT.2025 11:25:18

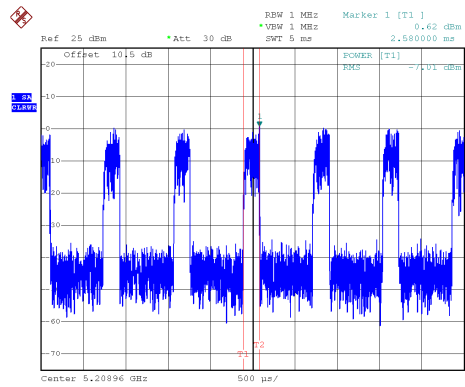
802.11ax40, High Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 11:58:47

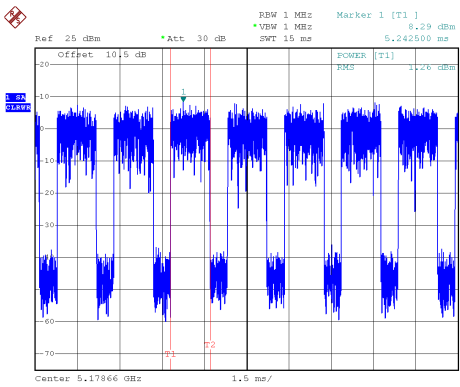
W52, Chain 1, Test Condition: NV

802.11ax80, Middle Channel



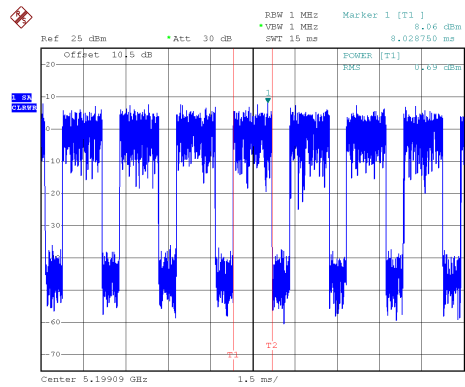
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 13:04:35

802.11a, Low Channel



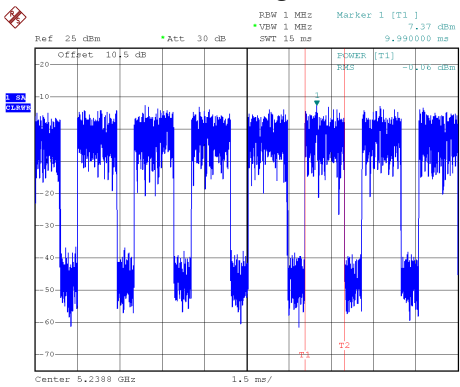
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 15:58:48

802.11a, Middle Channel



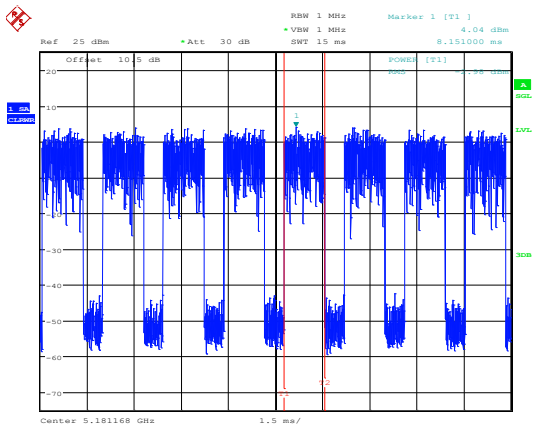
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:00:55

802.11a, High Channel



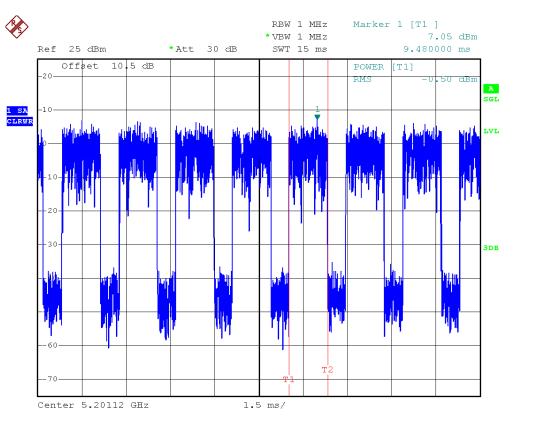
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:03:04

802.11n20, Low Channel



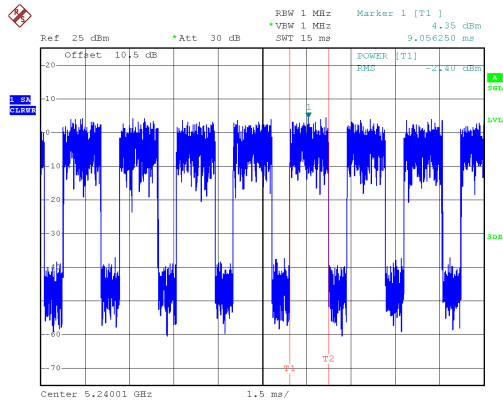
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 18.SEP.2025 14:39:44

802.11n20, Middle Channel



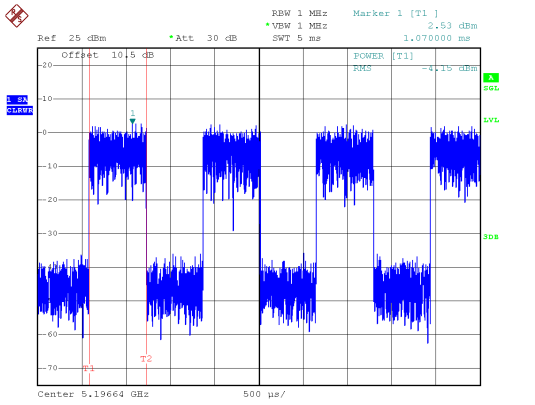
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:07:26

802.11n20, High Channel



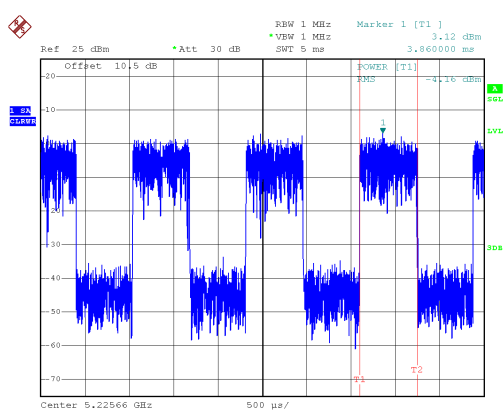
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:09:18

802.11n40, Low Channel



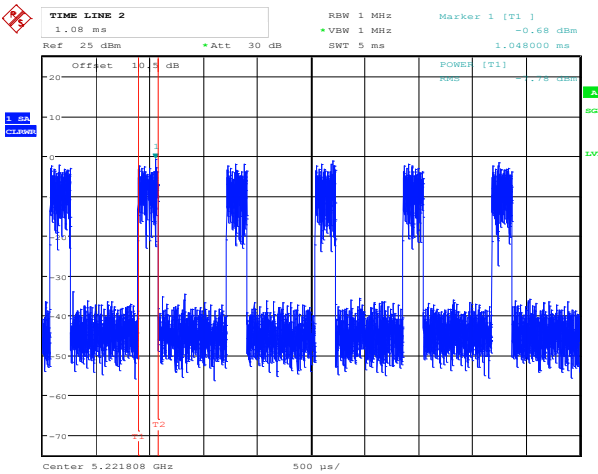
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Date: 9.SEP.2025 16:14:52

802.11n40, High Channel



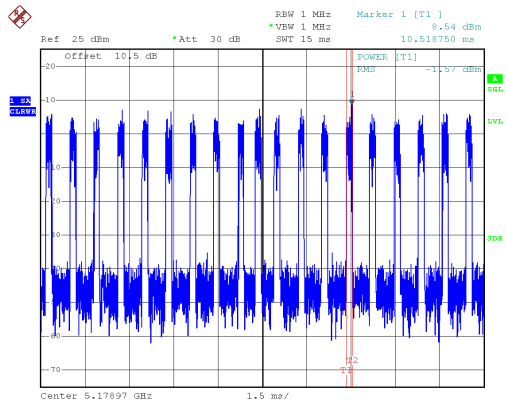
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:16:34

802.11ac80, Middle Channel



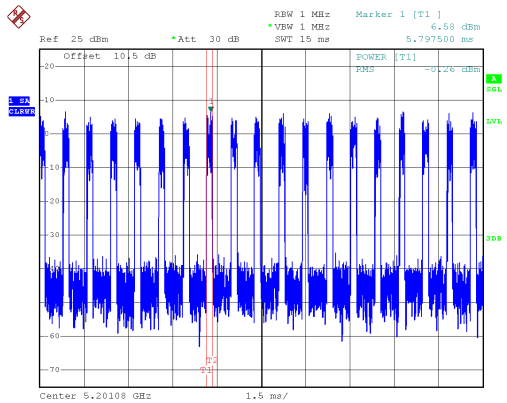
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.OCT.2025 11:18:35

802.11ax20, Low Channel



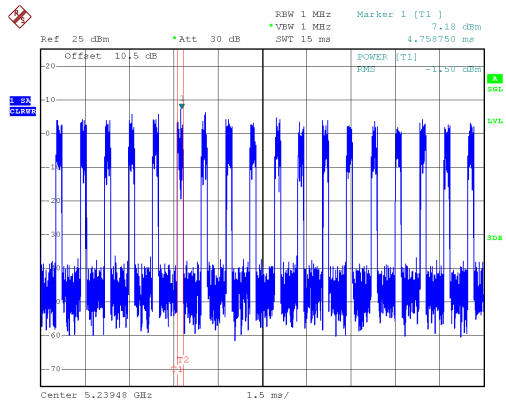
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:18:47

802.11ax20, Middle Channel



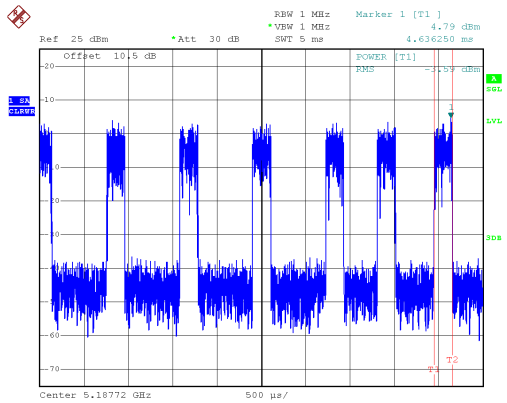
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:25:43

802.11ax20, High Channel



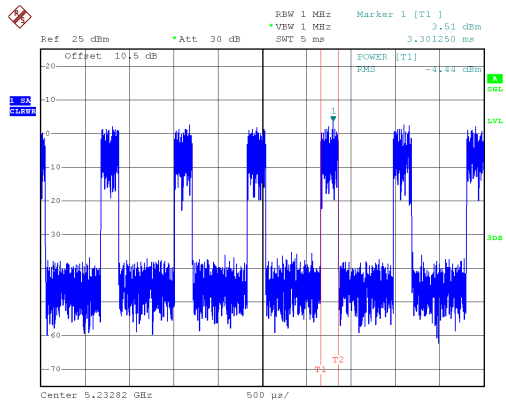
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:27:33

802.11ax40, Low Channel



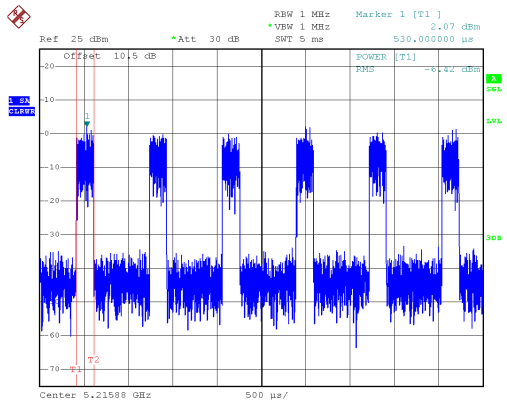
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:33:29

802.11ax40, High Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:35:44

802.11ax80, Middle Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 16:37:33

4.6 Adjacent Channel Power

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

W52, Chain 0

Mode	Frequency Offset (MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	29.57	29.03	45.16	≥ 25	Pass
	+20	29.68	29.20	45.36	≥ 25	Pass
	-40	48.62	40.45	49.26	≥ 40	Pass
	+40	48.64	41.48	48.87	≥ 40	Pass
802.11n ht20	-20	26.54	26.81	44.87	≥ 25	Pass
	+20	26.87	26.71	44.56	≥ 25	Pass
	-40	46.46	46.92	47.60	≥ 40	Pass
	+40	46.47	46.80	47.30	≥ 40	Pass
802.11n ht40	-40	39.24	/	39.55	≥ 25	Pass
	+40	39.27	/	39.21	≥ 25	Pass
	-80	44.27	/	44.78	≥ 40	Pass
	+80	44.24	/	44.56	≥ 40	Pass
802.11ac vht80	-80	/	33.45	/	≥ 25	Pass
	+80	/	33.06	/	≥ 25	Pass
802.11ax he20	-20	28.02	27.91	41.40	≥ 25	Pass
	+20	28.86	28.15	43.36	≥ 25	Pass
	-40	47.52	47.40	47.94	≥ 40	Pass
	+40	47.44	47.19	47.54	≥ 40	Pass
802.11ax he40	-40	43.13	/	43.25	≥ 25	Pass
	+40	43.32	/	43.31	≥ 25	Pass
	-80	45.46	/	45.54	≥ 40	Pass
	+80	45.38	/	45.35	≥ 40	Pass
802.11ax he80	-80	/	34.21	/	≥ 25	Pass
	+80	/	33.82	/	≥ 25	Pass

W52, Chain 1

Mode	Frequency offset(MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11a	-20	29.33	29.06	38.05	≥ 25	Pass
	+20	29.41	29.48	39.48	≥ 25	Pass
	-40	46.63	40.68	40.39	≥ 40	Pass
	+40	46.44	41.61	40.37	≥ 40	Pass
802.11n ht20	-20	26.60	26.59	43.74	≥ 25	Pass
	+20	26.60	26.73	44.00	≥ 25	Pass
	-40	44.91	45.01	45.53	≥ 40	Pass
	+40	44.90	44.85	45.74	≥ 40	Pass
802.11n ht40	-40	38.91	/	38.99	≥ 25	Pass
	+40	38.97	/	38.92	≥ 25	Pass
	-80	42.94	/	43.00	≥ 40	Pass
	+80	43.11	/	43.51	≥ 40	Pass
802.11ac vht80	-80	/	33.97	/	≥ 25	Pass
	+80	/	33.40	/	≥ 25	Pass
802.11ax he20	-20	28.52	28.32	42.33	≥ 25	Pass
	+20	28.52	28.47	42.59	≥ 25	Pass
	-40	45.82	46.10	46.27	≥ 40	Pass
	+40	45.65	45.94	46.44	≥ 40	Pass
802.11ax he40	-40	42.52	/	42.67	≥ 25	Pass
	+40	42.46	/	42.77	≥ 25	Pass
	-80	44.22	/	44.27	≥ 40	Pass
	+80	44.25	/	44.44	≥ 40	Pass
802.11ax he80	-80	/	34.64	/	≥ 25	Pass
	+80	/	34.08	/	≥ 25	Pass

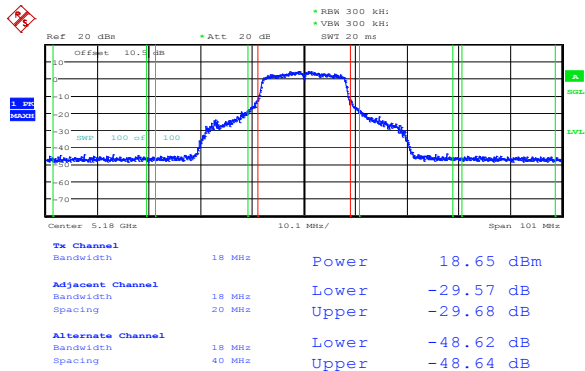
W52, Chain 0+Chain 1

Mode	Frequency offset (MHz)	Result(dBc)			Limit (dBc)	Verdict
		Low Channel	Middle Channel	High Channel		
802.11n ht20	-20	26.48	26.55	38.45	≥ 25	Pass
	+20	26.91	26.69	39.55	≥ 25	Pass
	-40	46.76	46.91	47.08	≥ 40	Pass
	+40	46.73	46.63	46.62	≥ 40	Pass
802.11n ht40	-40	39.63	/	39.45	≥ 25	Pass
	+40	39.27	/	39.41	≥ 25	Pass
	-80	44.43	/	44.68	≥ 40	Pass
	+80	44.28	/	44.47	≥ 40	Pass
802.11ac vht80	-80	/	39.83	/	≥ 25	Pass
	+80	/	40.33	/	≥ 25	Pass
802.11ax he20	-20	27.94	28.15	42.00	≥ 25	Pass
	+20	28.46	28.46	43.45	≥ 25	Pass
	-40	47.28	47.71	47.92	≥ 40	Pass
	+40	47.38	47.49	47.53	≥ 40	Pass
802.11ax he40	-40	43.04	/	43.34	≥ 25	Pass
	+40	43.54	/	43.31	≥ 25	Pass
	-80	45.41	/	45.72	≥ 40	Pass
	+80	45.34	/	45.57	≥ 40	Pass
802.11ax he80	-80	/	40.34	/	≥ 25	Pass
	+80	/	40.90	/	≥ 25	Pass

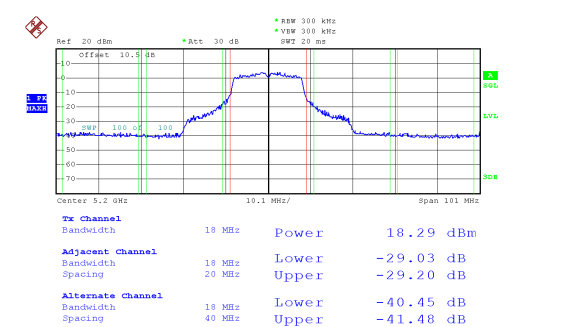
The test plots as following:

W52, Chain 0, Test Condition: NV

802.11a, Low Channel



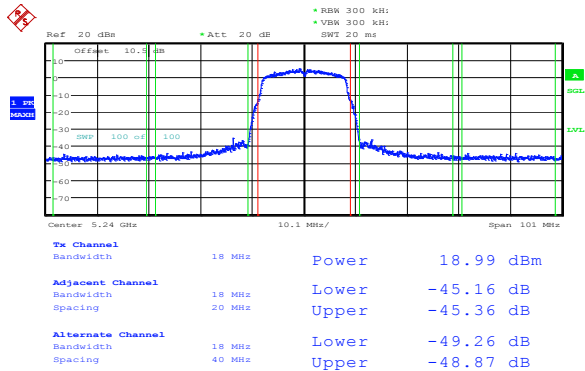
802.11a, Middle Channel



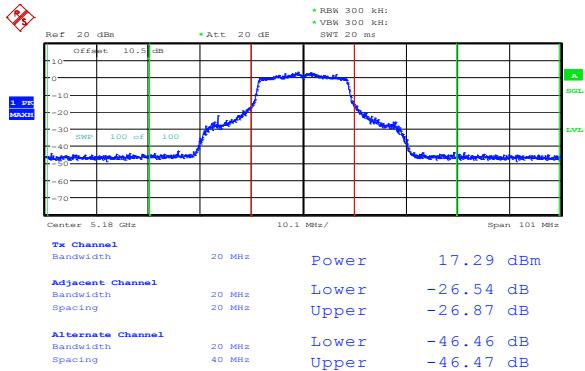
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:31:36

Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 14.OCT.2025 15:10:57

802.11a, High Channel



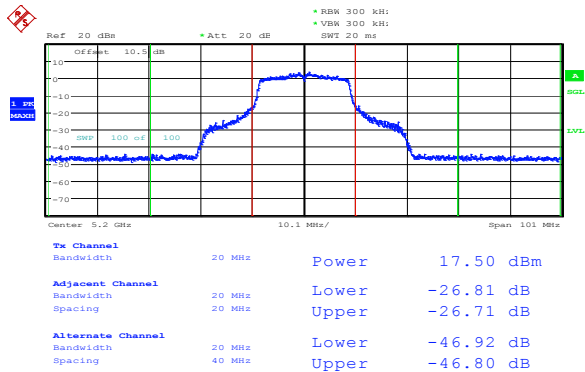
802.11n20, Low Channel



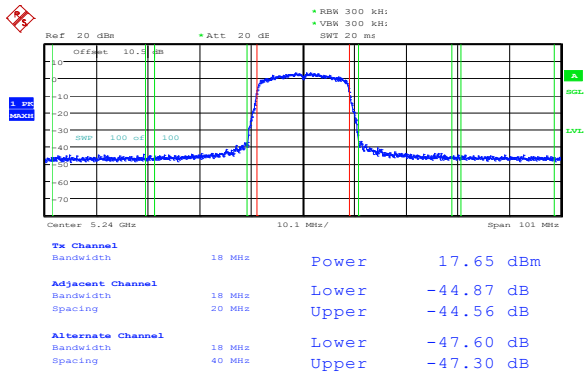
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:13:34

Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 14.OCT.2025 15:11:42

802.11n20, Middle Channel



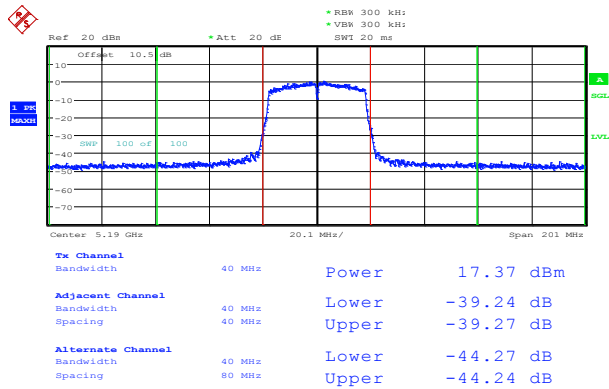
802.11n20, High Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:08:23

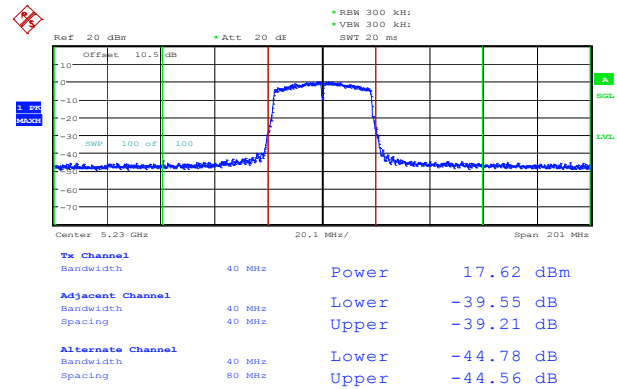
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:07:51

802.11n40, Low Channel



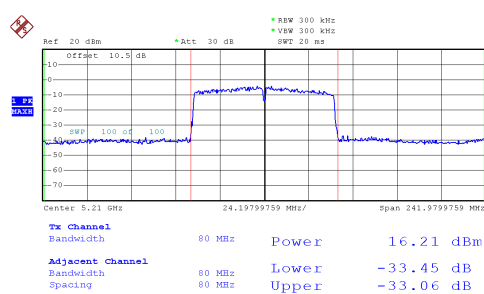
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:09:05

802.11n40, High Channel



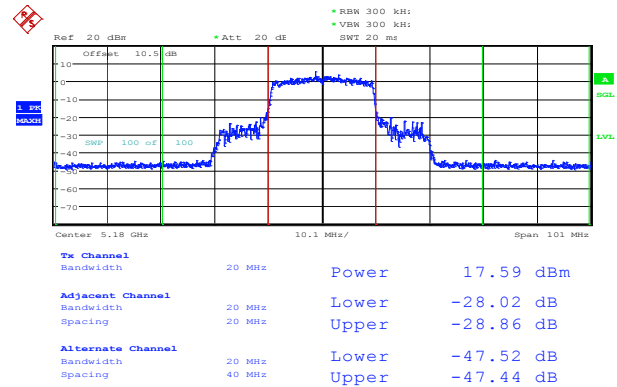
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:09:34

802.11ac80, Middle Channel



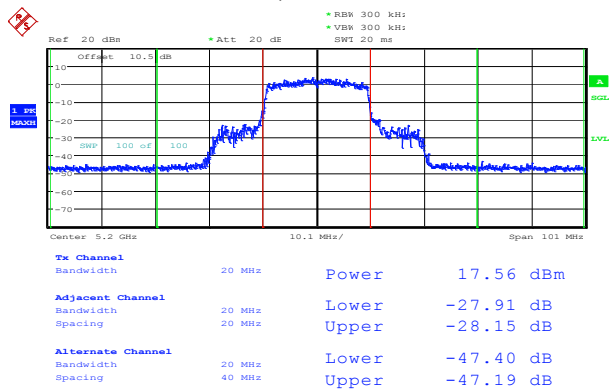
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 09:45:02

802.11ax20, Low Channel



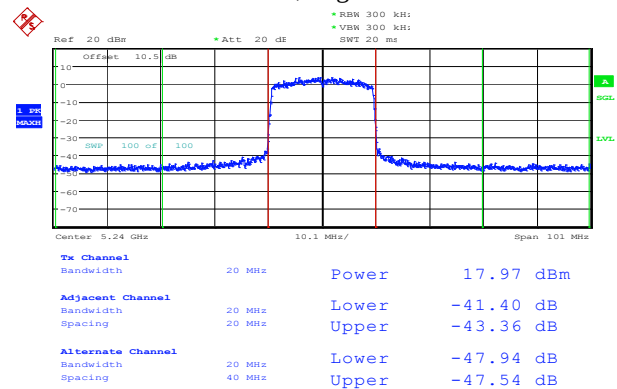
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:10:27

802.11ax20, Middle Channel



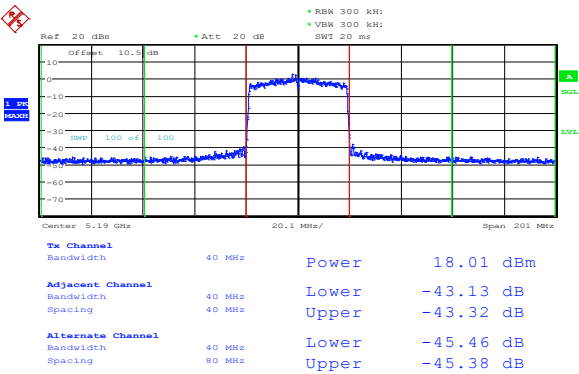
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:10:56

802.11ax20, High Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:11:26

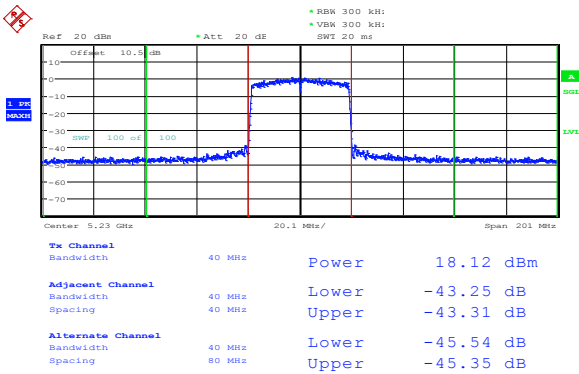
802.11ax40, Low Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 08:12:01

802.11ax40, High Channel

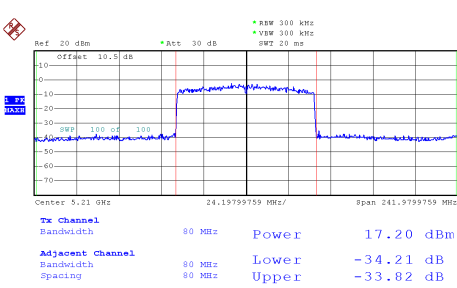


Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 08:12:32

W52, Chain 1, Test Condition: NV

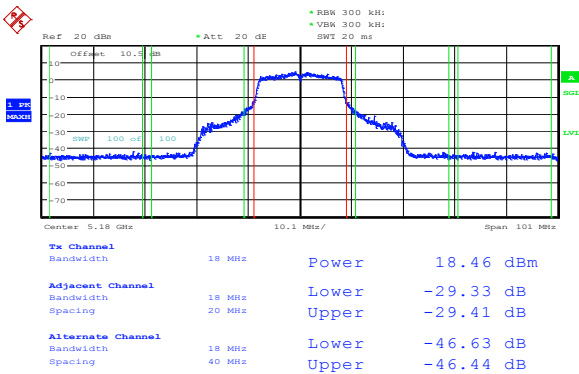
802.11ax80, Middle Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 10:11:06

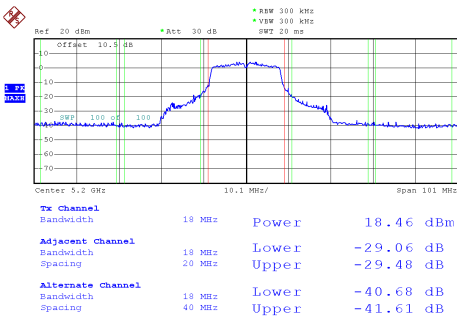
802.11a, Low Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 10.SEP.2025 08:10:14

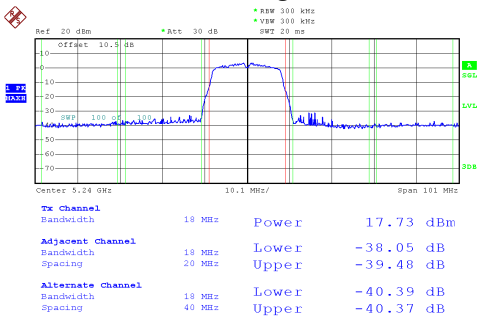
802.11a, Middle Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 10.SEP.2025 08:29:21

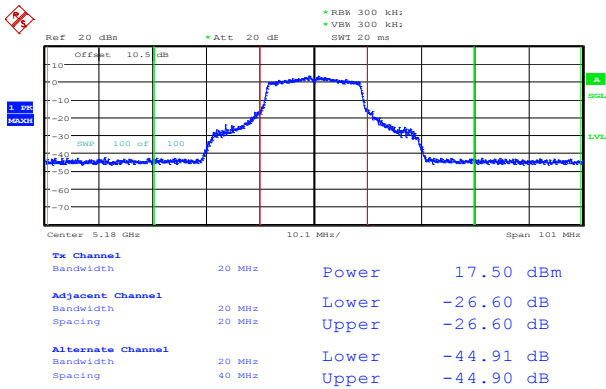
802.11a, High Channel



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

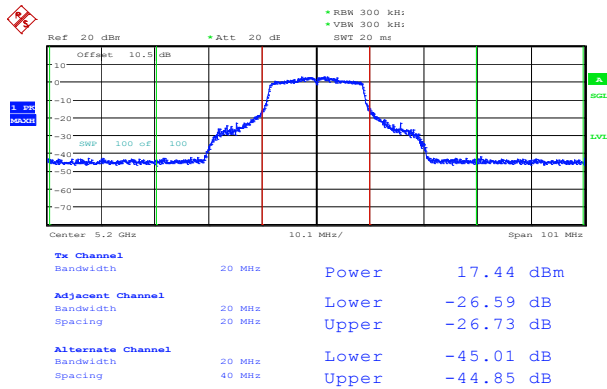
Date: 10.SEP.2025 08:29:57

802.11n20, Low Channel



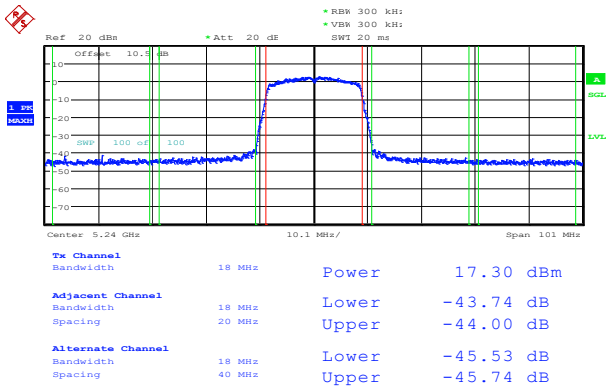
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:08:20

802.11n20, Middle Channel



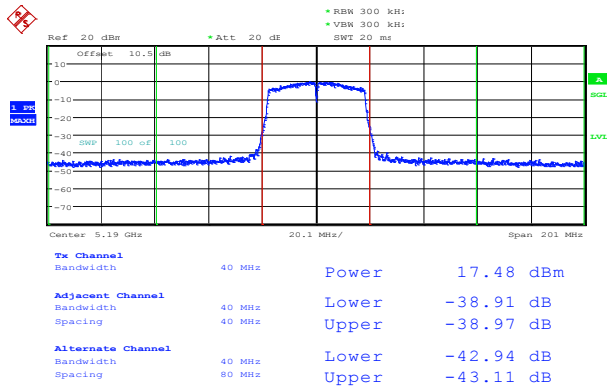
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:08:51

802.11n20, High Channel



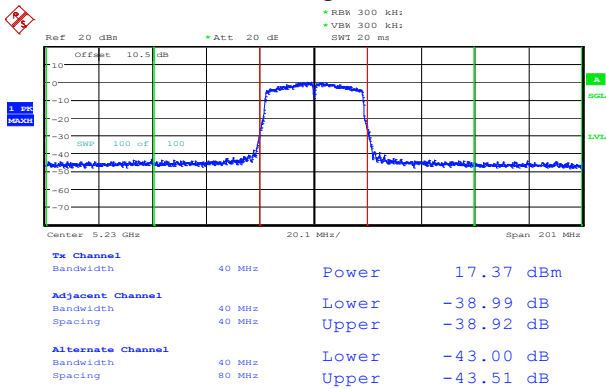
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:09:23

802.11n40, Low Channel



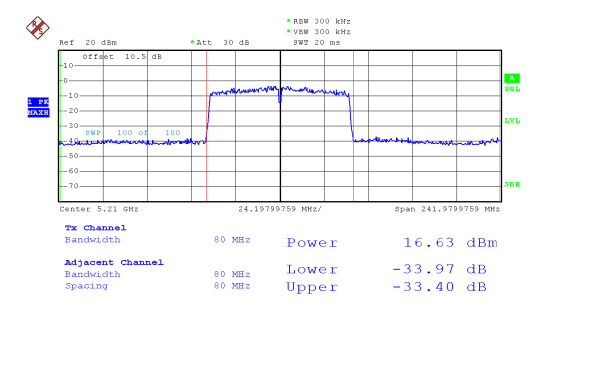
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:13:25

802.11n40, High Channel



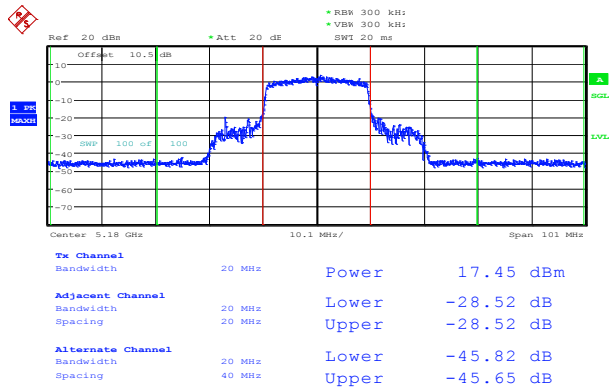
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:14:46

802.11ac80, Middle Channel



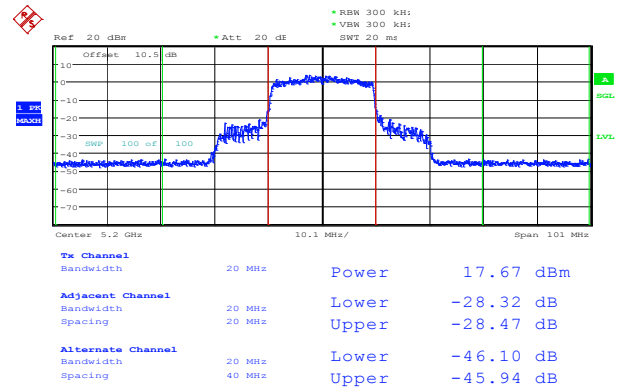
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:42:45

802.11ax20, Low Channel



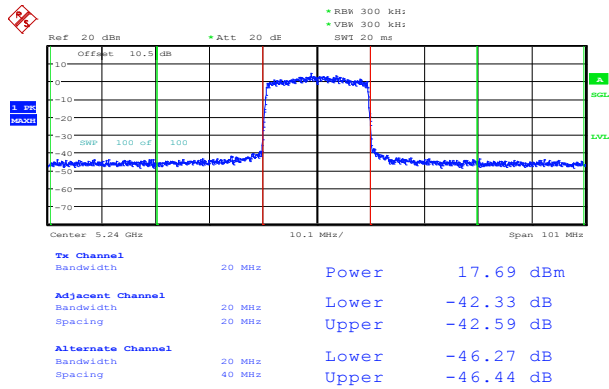
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:15:30

802.11ax20, Middle Channel



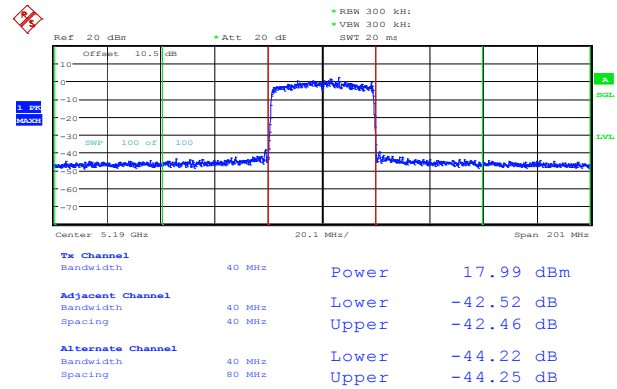
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:15:59

802.11ax20, High Channel



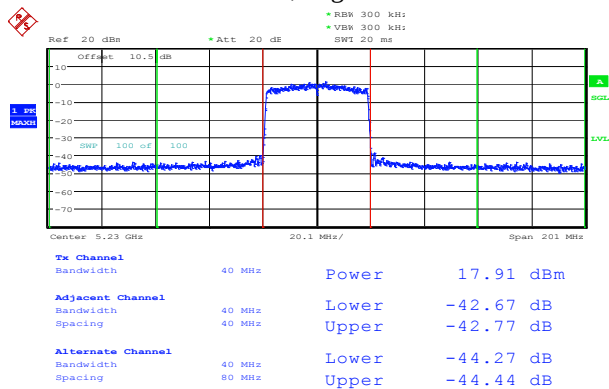
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:16:28

802.11ax40, Low Channel



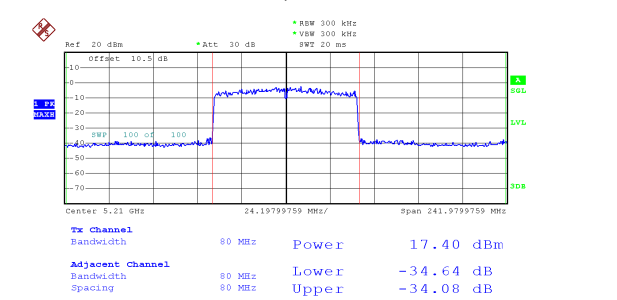
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:17:15

802.11ax40, High Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:17:42

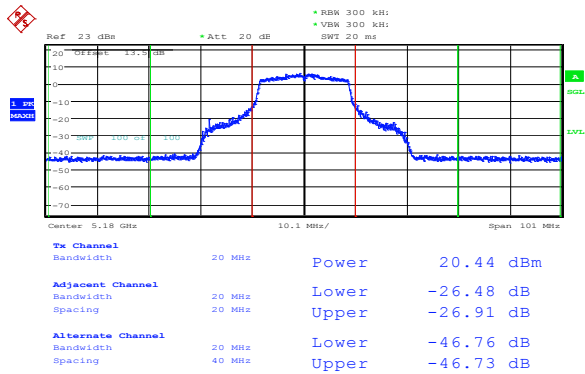
802.11ax80, Middle Channel



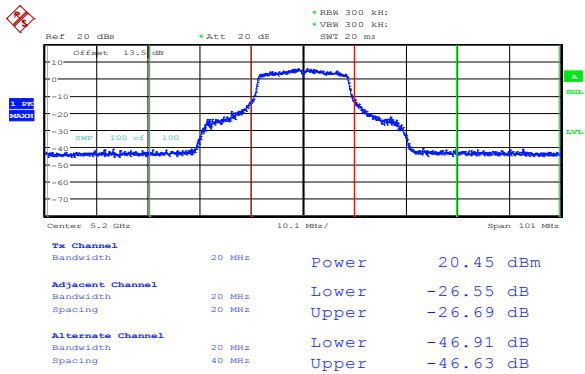
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 10.SEP.2025 08:44:11

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

802.11n20, Low Channel



802.11n20, Middle Channel



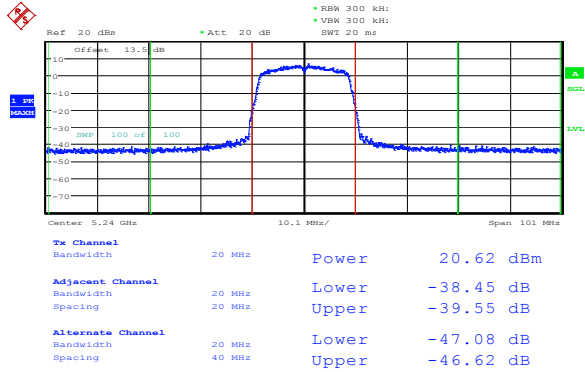
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 08:20:41

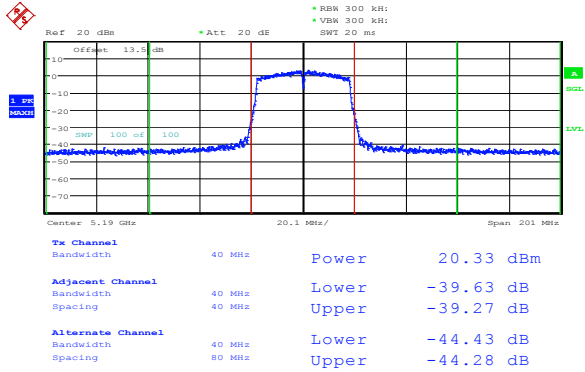
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 08:21:14

802.11n20, High Channel



802.11n40, Low Channel



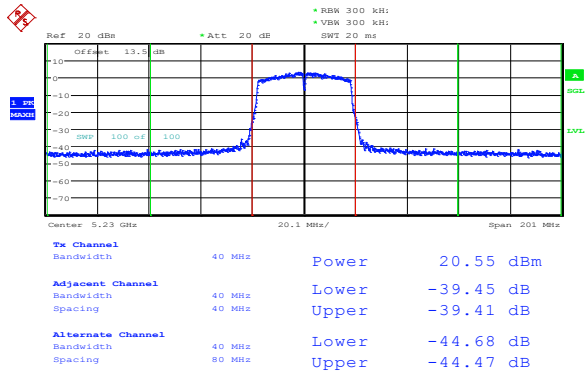
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 08:21:42

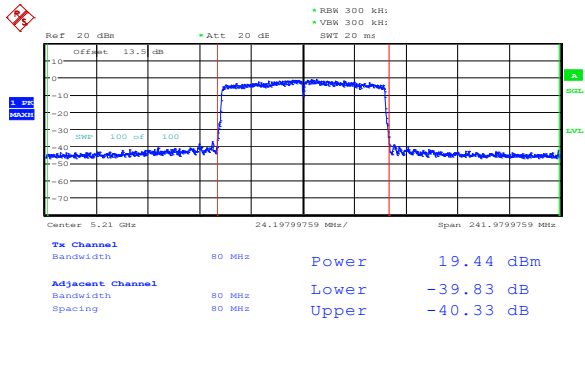
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 08:37:05

802.11n40, High Channel



802.11ac80, Middle Channel



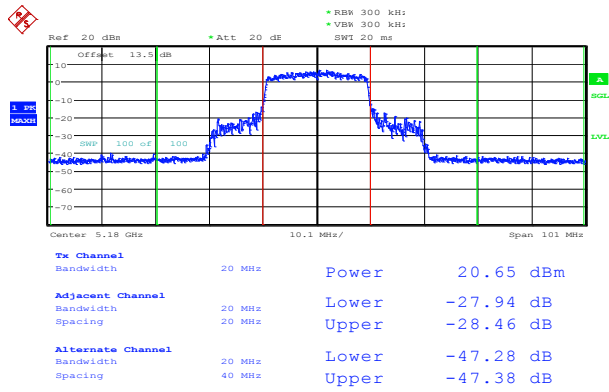
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

Date: 9.SEP.2025 08:37:33

Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao

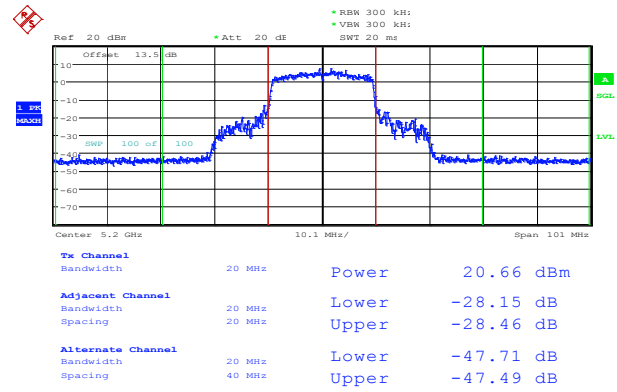
Date: 9.SEP.2025 08:42:52

802.11ax20, Low Channel



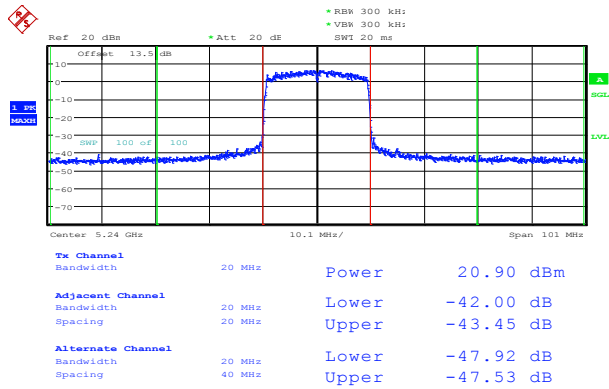
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:22:20

802.11ax20, Middle Channel



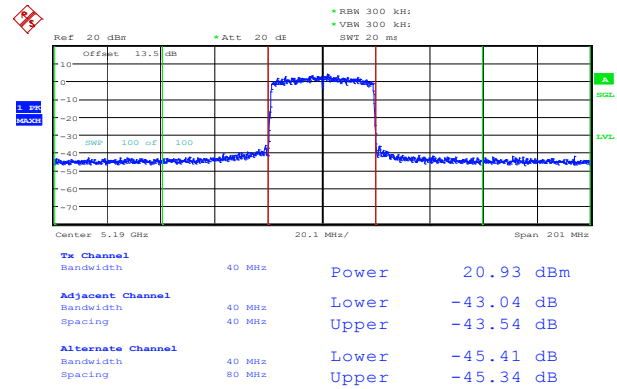
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:22:48

802.11ax20, High Channel



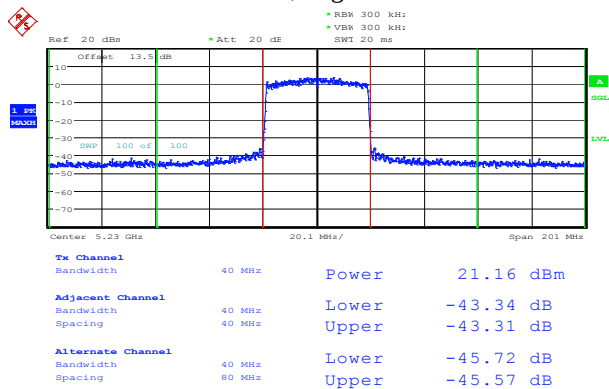
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:23:17

802.11ax40, Low Channel



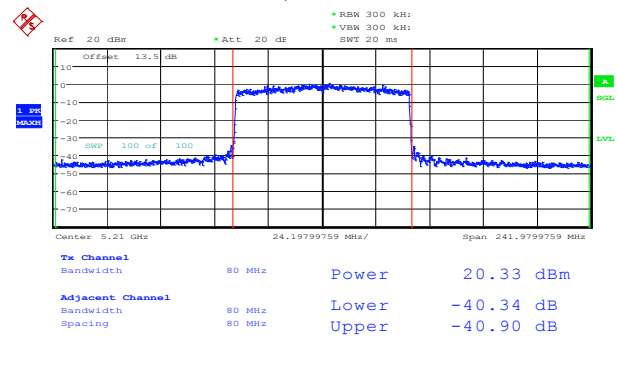
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:24:05

802.11ax40, High Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:24:38

802.11ax80, Middle Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 9.SEP.2025 08:42:03

4.7 Receiver Secondary Radiated Emission Strength

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

Test Mode: Receiving

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	841.6475	-71.89	0.065	4	Pass
		1000	26000	24213.75	-65.86	0.259	20	Pass
	Middle	30	1000	746.2480	-73.45	0.045	4	Pass
		1000	26000	24868.75	-60.97	0.800	20	Pass
	High	30	1000	743.7745	-73.31	0.047	4	Pass
		1000	26000	24111.25	-60.75	0.841	20	Pass
802.11n ht20	Low	30	1000	739.8945	-73.06	0.049	4	Pass
		1000	26000	24668.75	-60.46	0.899	20	Pass
	Middle	30	1000	849.3105	-73.68	0.043	4	Pass
		1000	26000	24851.25	-60.58	0.875	20	Pass
	High	30	1000	171.7170	-73.19	0.048	4	Pass
		1000	26000	24968.75	-60.86	0.820	20	Pass
802.11n ht40	Low	30	1000	824.9635	-71.54	0.070	4	Pass
		1000	26000	25423.75	-60.66	0.859	20	Pass
	High	30	1000	279.3870	-73.25	0.047	4	Pass
		1000	26000	24853.75	-60.51	0.889	20	Pass
802.11ac vht80	Middle	30	1000	183.5995	-73.36	0.046	4	Pass
		1000	26000	25178.75	-60.18	0.959	20	Pass
802.11ax he20	Low	30	1000	972.2580	-73.30	0.047	4	Pass
		1000	26000	24853.75	-60.03	0.993	20	Pass
	Middle	30	1000	250.8205	-73.50	0.045	4	Pass
		1000	26000	25430.00	-61.53	0.703	20	Pass
	High	30	1000	177.0035	-73.67	0.043	4	Pass
		1000	26000	24948.75	-61.31	0.740	20	Pass
802.11ax he40	Low	30	1000	880.9810	-73.48	0.045	4	Pass
		1000	26000	24882.50	-60.65	0.861	20	Pass
	High	30	1000	136.4090	-72.90	0.051	4	Pass
		1000	26000	25750.00	-61.51	0.706	20	Pass
802.11ax he80	Middle	30	1000	372.2160	-73.27	0.047	4	Pass
		1000	26000	24857.50	-61.03	0.789	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	590.8540	-73.98	0.040	4	Pass
		1000	26000	24936.25	-60.74	0.843	20	Pass
	Middle	30	1000	886.7525	-73.06	0.049	4	Pass
		1000	26000	24800.00	-61.31	0.740	20	Pass
	High	30	1000	685.5260	-73.51	0.045	4	Pass
		1000	26000	23436.25	-60.74	0.843	20	Pass
802.11n ht20	Low	30	1000	385.6505	-73.24	0.047	4	Pass
		1000	26000	25807.50	-60.33	0.927	20	Pass
	Middle	30	1000	130.1040	-73.43	0.045	4	Pass
		1000	26000	24642.50	-60.85	0.822	20	Pass
	High	30	1000	824.8665	-70.49	0.089	4	Pass
		1000	26000	24936.25	-60.72	0.847	20	Pass

Mode	Channel	Frequency Range		Max.Emission Located(MHz)	Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)		Result (dBm)	Result (nW)		
802.11n ht40	Low	30	1000	641.1485	-72.93	0.051	4	Pass
		1000	26000	24833.75	-60.80	0.832	20	Pass
	High	30	1000	975.4590	-73.32	0.047	4	Pass
		1000	26000	24136.25	-60.91	0.811	20	Pass
802.11ac vht80	Middle	30	1000	950.9180	-73.62	0.043	4	Pass
		1000	26000	24840.00	-60.85	0.822	20	Pass
802.11ax he20	Low	30	1000	197.7130	-73.13	0.049	4	Pass
		1000	26000	24953.75	-60.08	0.982	20	Pass
	Middle	30	1000	249.0745	-73.33	0.046	4	Pass
		1000	26000	24856.25	-60.17	0.962	20	Pass
	High	30	1000	385.9415	-73.21	0.048	4	Pass
		1000	26000	25442.50	-60.60	0.871	20	Pass
802.11ax he40	Low	30	1000	710.7460	-73.55	0.044	4	Pass
		1000	26000	24853.75	-60.76	0.839	20	Pass
	High	30	1000	460.8255	-72.98	0.050	4	Pass
		1000	26000	24166.25	-60.48	0.895	20	Pass
802.11ax he80	Middle	30	1000	781.2650	-73.56	0.044	4	Pass
		1000	26000	24841.25	-61.05	0.785	20	Pass

W52, Chain 0+Chain 1

Mode	Channel	Frequency Range		Max.Emission		Limit (nW)	Verdict
		Start (MHz)	Stop (MHz)	Result (dBm)	Result (nW)		
802.11n ht20	Low	30	1000	-70.14	0.097	4	Pass
		1000	26000	-57.38	1.828	20	Pass
	Middle	30	1000	-70.54	0.088	4	Pass
		1000	26000	-57.70	1.698	20	Pass
	High	30	1000	-68.62	0.137	4	Pass
		1000	26000	-57.78	1.667	20	Pass
802.11n ht40	Low	30	1000	-69.17	0.121	4	Pass
		1000	26000	-57.72	1.690	20	Pass
	High	30	1000	-70.27	0.094	4	Pass
		1000	26000	-57.70	1.698	20	Pass
802.11ac vht80	Middle	30	1000	-70.48	0.090	4	Pass
		1000	26000	-57.49	1.782	20	Pass
802.11ax he20	Low	30	1000	-70.20	0.095	4	Pass
		1000	26000	-57.04	1.977	20	Pass
	Middle	30	1000	-70.40	0.091	4	Pass
		1000	26000	-57.79	1.663	20	Pass
	High	30	1000	-70.42	0.091	4	Pass
		1000	26000	-57.93	1.611	20	Pass
802.11ax he40	Low	30	1000	-70.50	0.089	4	Pass
		1000	26000	-57.69	1.702	20	Pass
	High	30	1000	-69.93	0.102	4	Pass
		1000	26000	-57.95	1.603	20	Pass
802.11ax he80	Middle	30	1000	-70.40	0.091	4	Pass
		1000	26000	-58.03	1.574	20	Pass

Note:

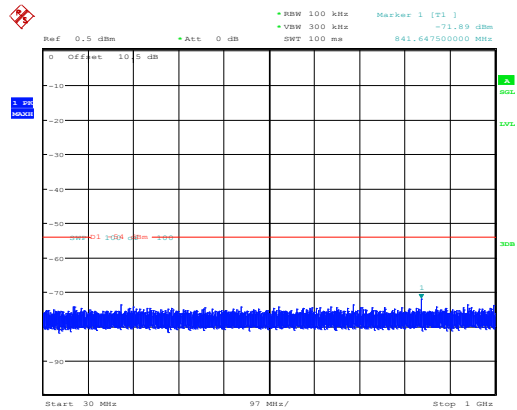
In MIMO mode, the Result for each sub-band is calculated based on the test results of all corresponding antennas in that sub-band using the following formula:

$$\text{Chain0} + \text{Chain1 Result (dBm/RBW)} = 10 \times \log_{10} (10^{(\text{Chain0 Result}/10)} + 10^{(\text{Chain1 Result}/10)})$$

The test plots as following:

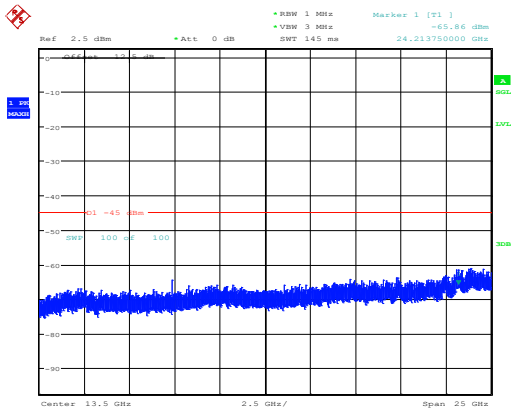
W52, Chain 0, Test Condition: NV

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



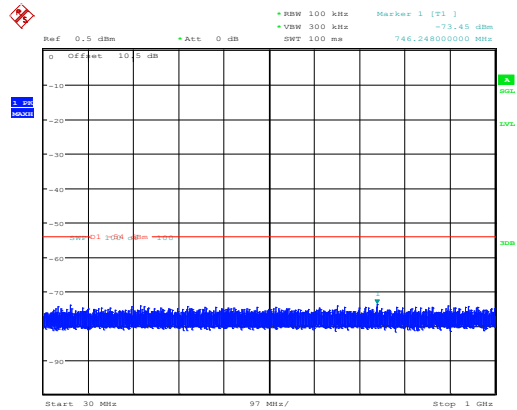
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:15:27

802.11a, Low Channel(1GHz~26GHz)



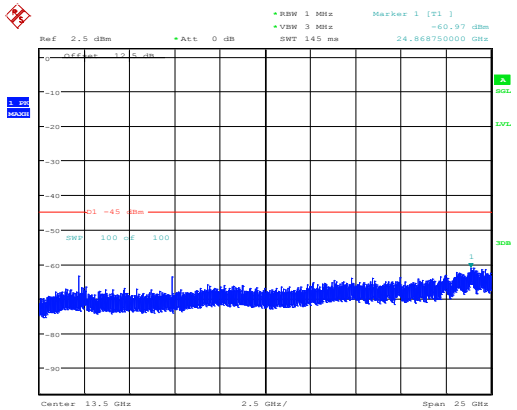
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:17:37

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



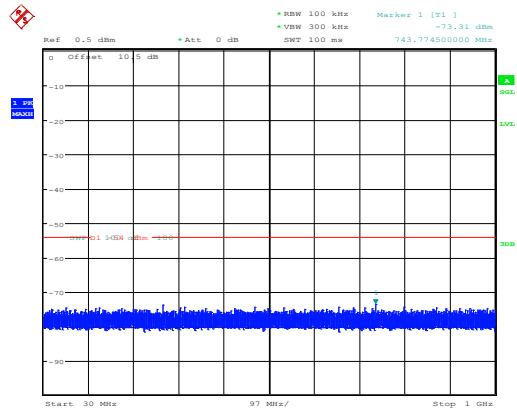
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:20:26

802.11a, Middle Channel(1GHz~26GHz)



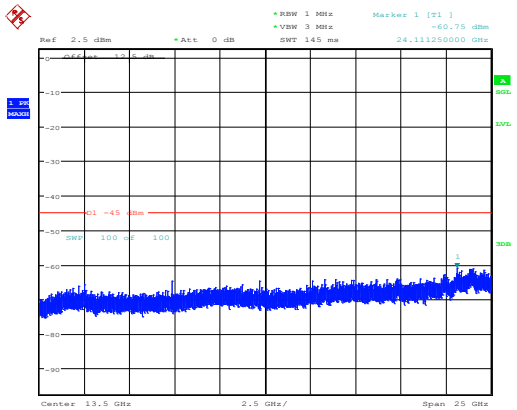
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:21:58

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



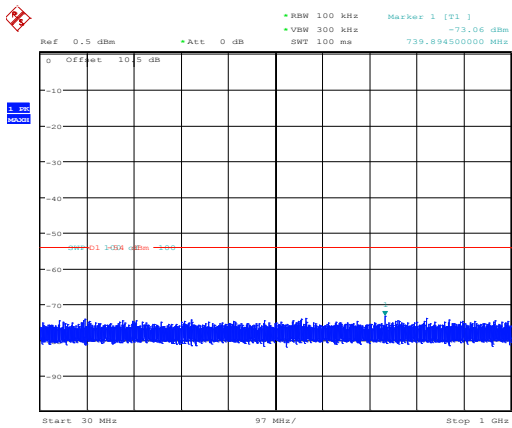
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:22:31

802.11a, High Channel(1GHz~26GHz)



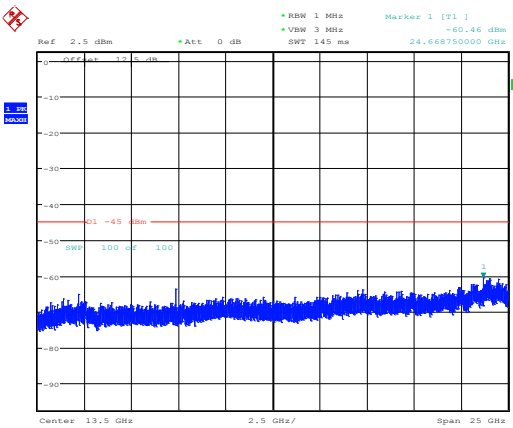
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:24:01

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



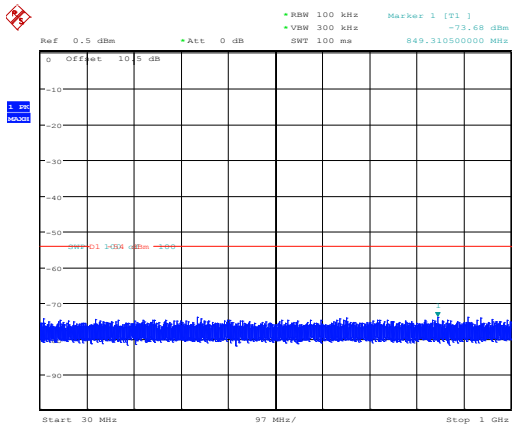
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:29:52

802.11n ht20, Low Channel(1GHz~26GHz)



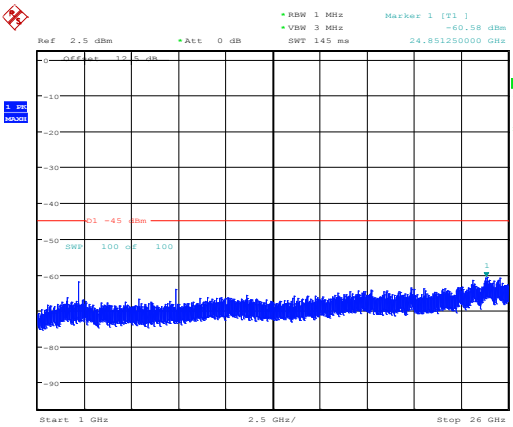
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:31:25

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



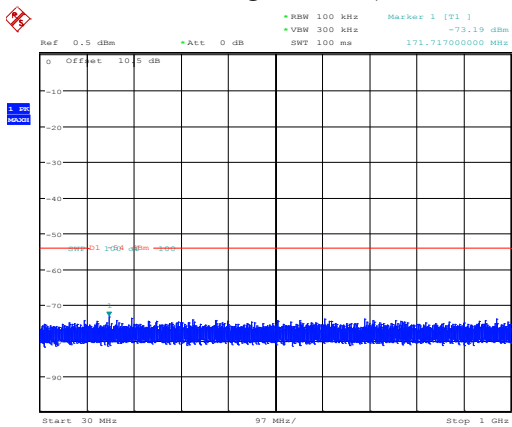
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:32:00

802.11n ht20, Middle Channel(1GHz~26GHz)



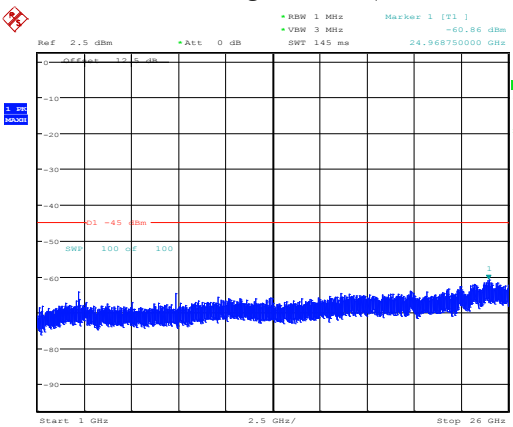
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:34:05

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



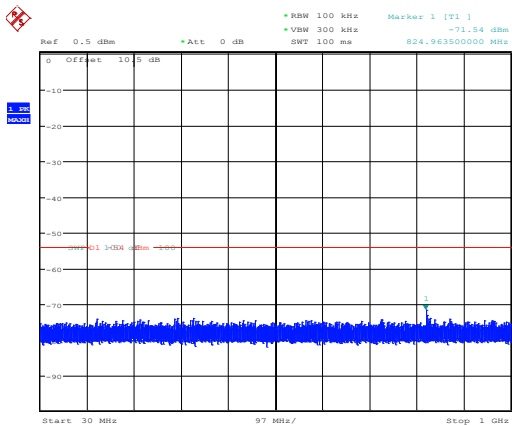
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:37:00

802.11n ht20, High Channel(1GHz~26GHz)



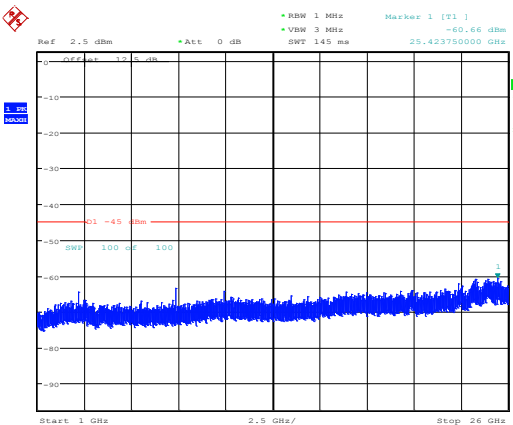
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:38:43

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



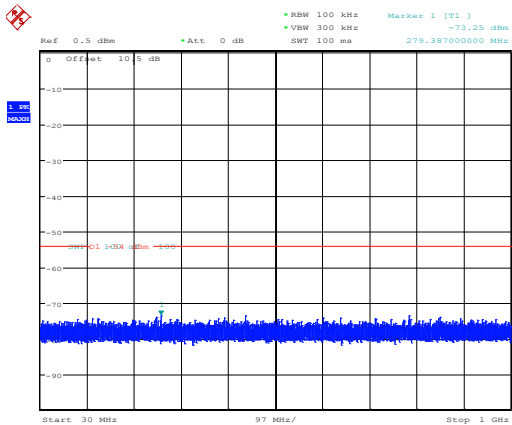
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:49:41

802.11n ht40, Low Channel(1GHz~26GHz)



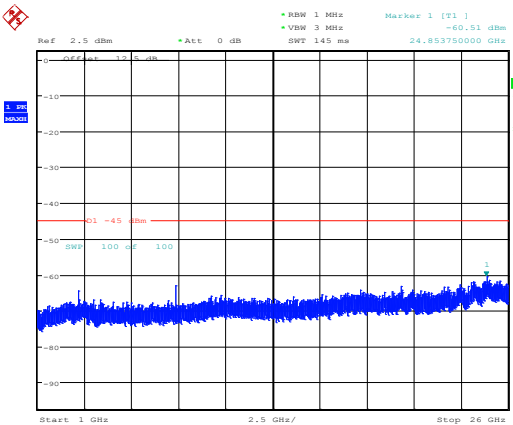
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:52:19

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



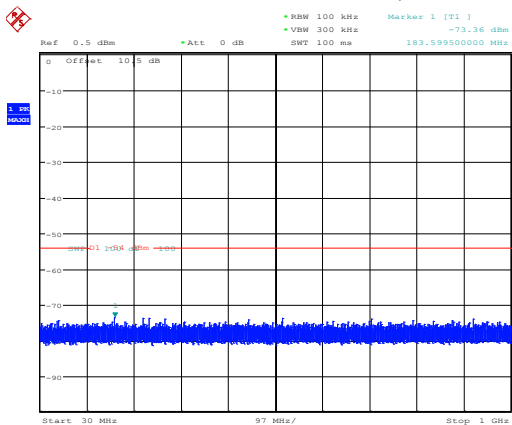
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:52:51

802.11n ht40, High Channel(1GHz~26GHz)



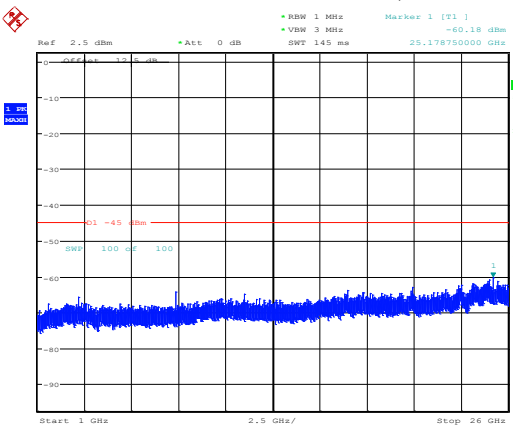
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:54:20

802.11ac vht80, Middle Channel(30MHz~1GHz)



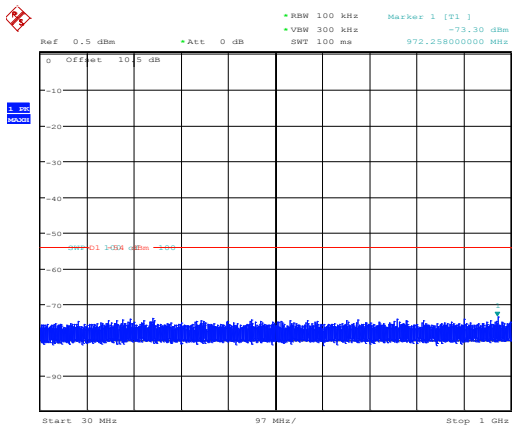
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:13:02

802.11ac vht80, Middle Channel(1GHz~26GHz)



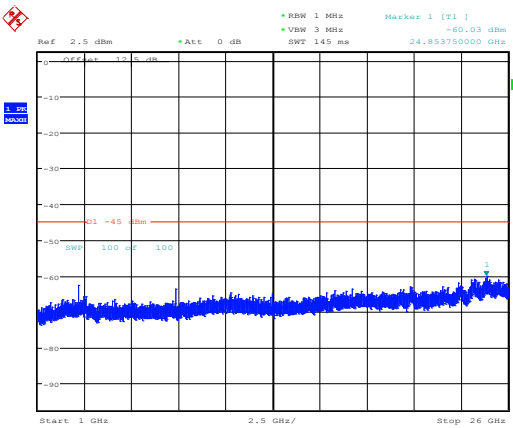
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:14:51

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



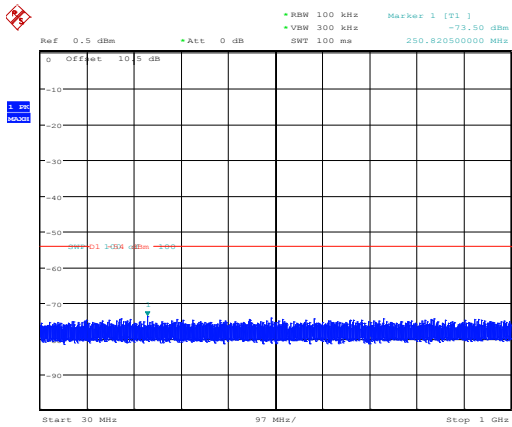
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:59:41

802.11ax he20, Low Channel(1GHz~26GHz)



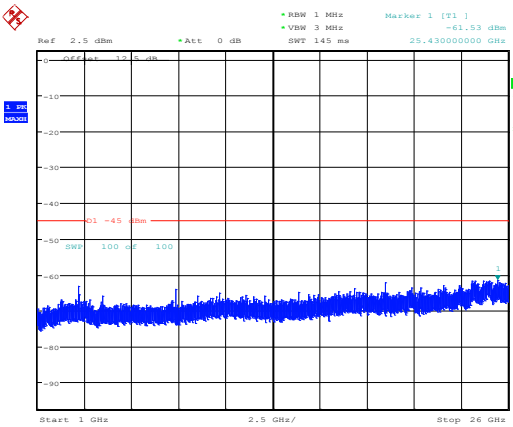
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:03:30

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



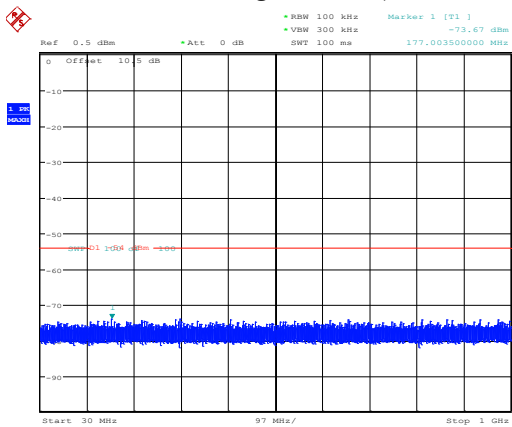
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:06:40

802.11ax he20, Middle Channel(1GHz~26GHz)



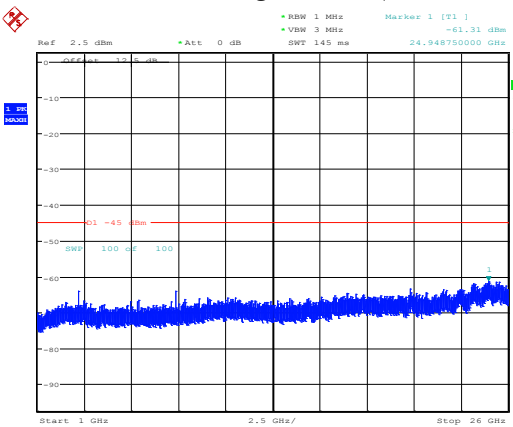
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:10:24

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



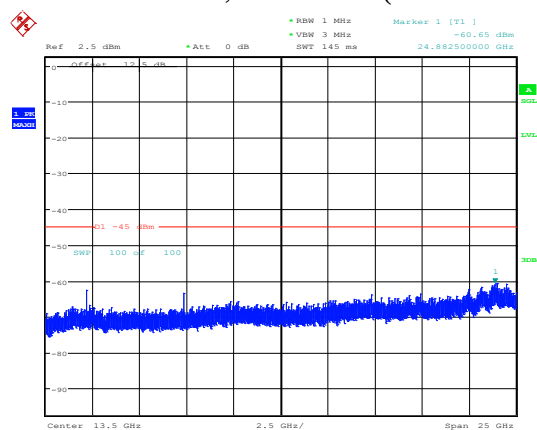
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:10:56

802.11ax he20, High Channel(1GHz~26GHz)



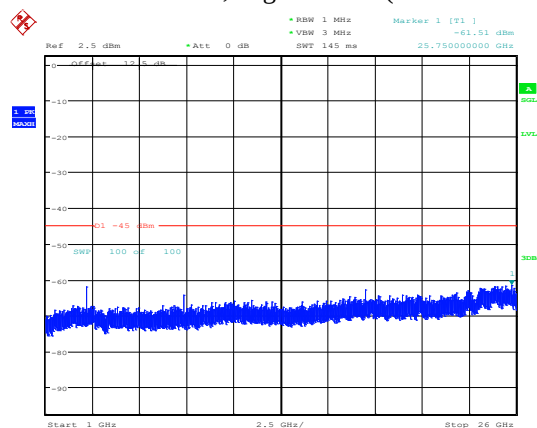
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:13:19

802.11ax he40, Low Channel(1GHz~26GHz)



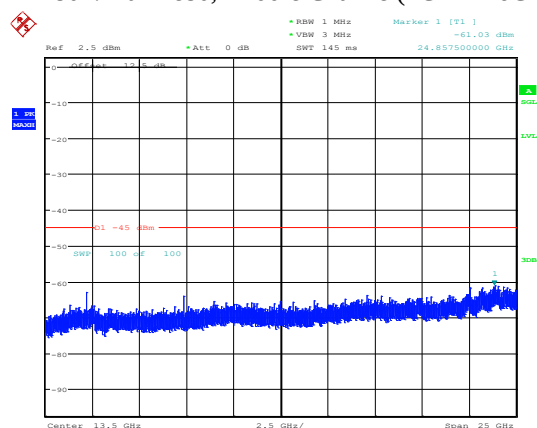
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:24:53

802.11ax he40, High Channel(1GHz~26GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:28:11

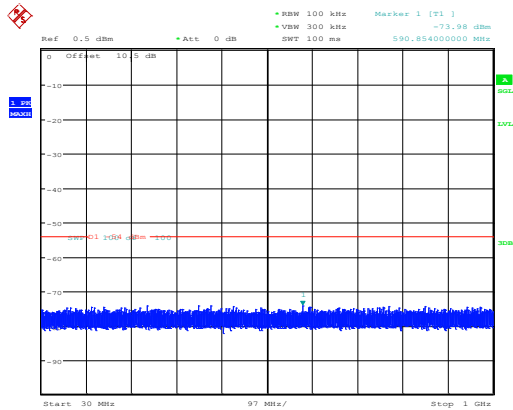
802.11ax he80, Middle Channel(1GHz~26GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:20:49

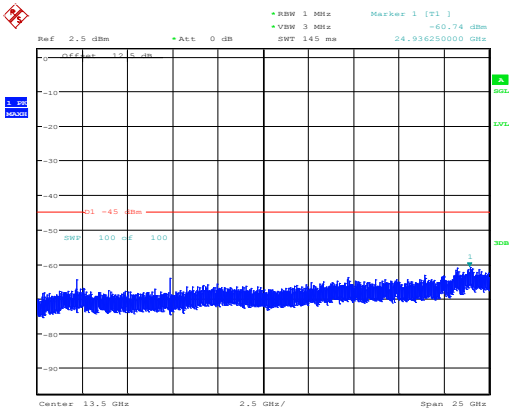
W52, Chain 1, Test Condition: NV

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



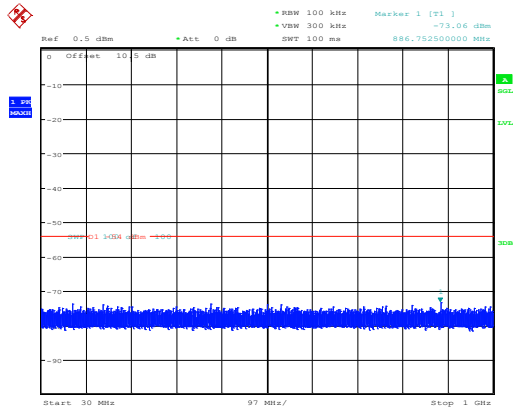
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:24:34

802.11a, Low Channel(1GHz~26GHz)



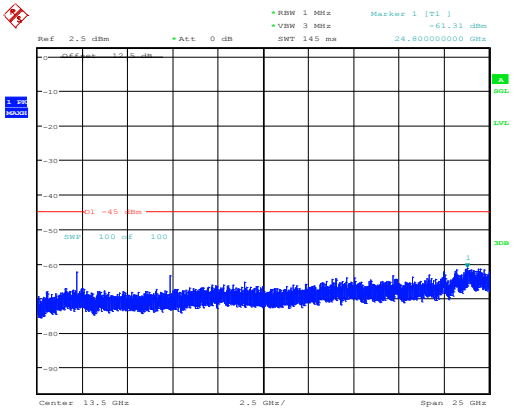
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:25:48

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



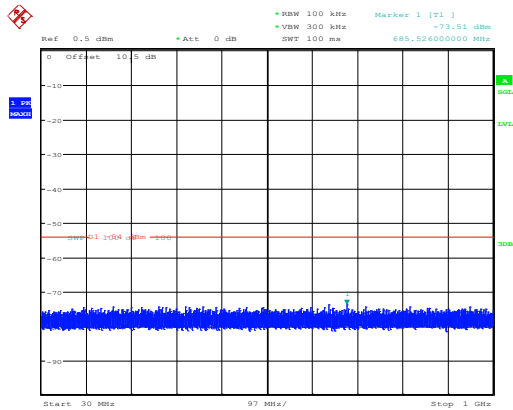
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:26:20

802.11a, Middle Channel(1GHz~26GHz)



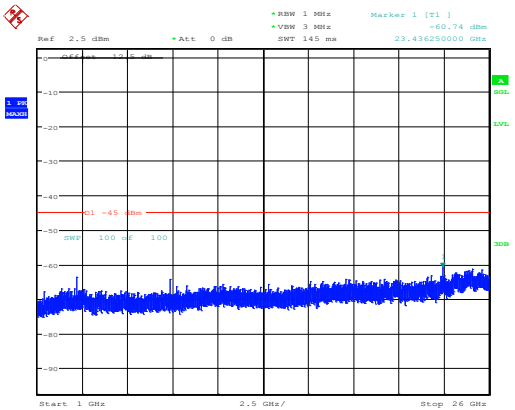
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:27:34

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



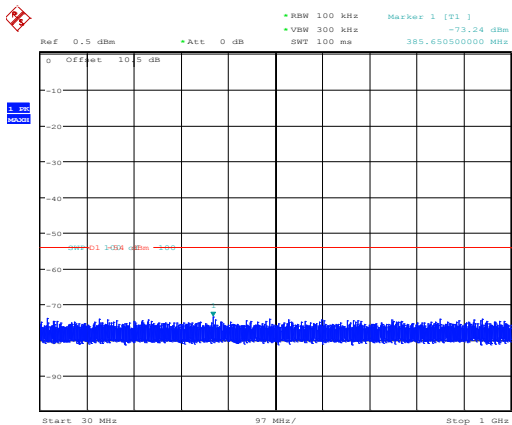
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:28:07

802.11a, High Channel(1GHz~26GHz)



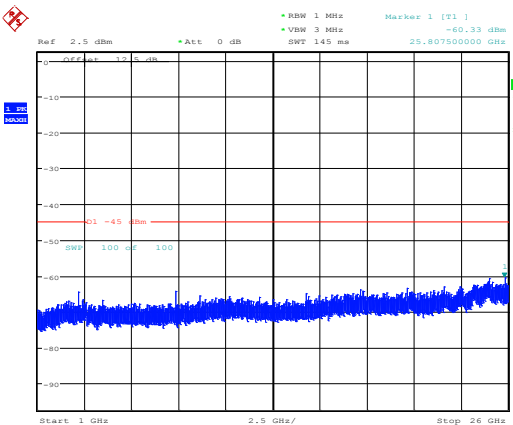
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:29:19

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



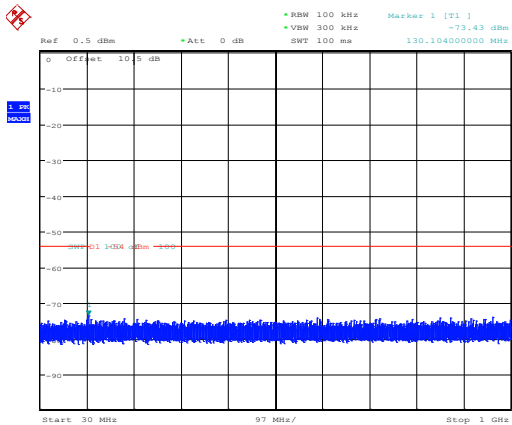
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:40:48

802.11n ht20, Low Channel(1GHz~26GHz)



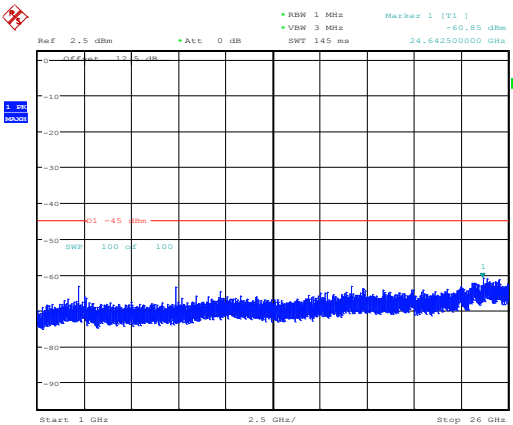
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:42:50

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



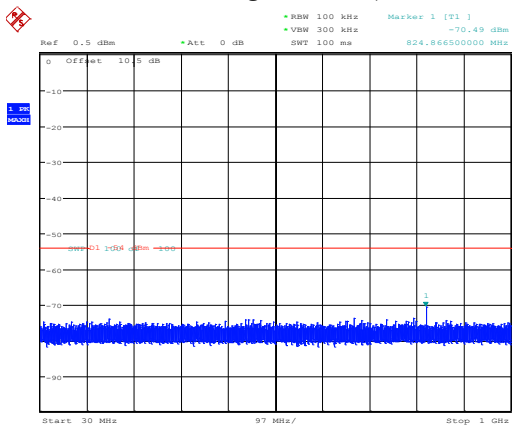
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:43:23

802.11n ht20, Middle Channel(1GHz~26GHz)



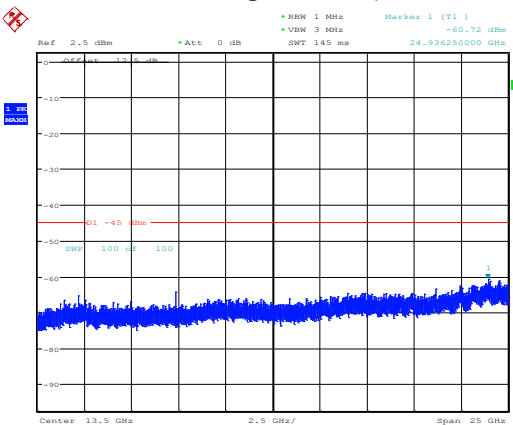
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:46:22

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



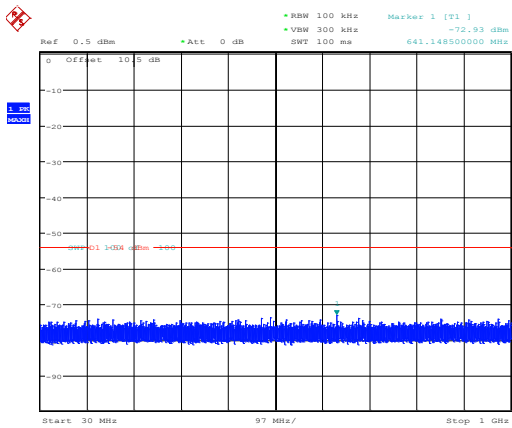
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:46:54

802.11n ht20, High Channel(1GHz~26GHz)



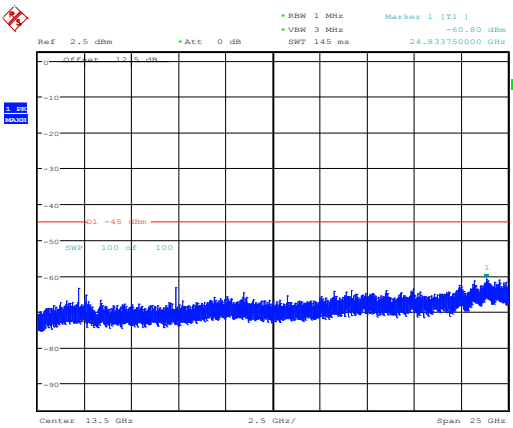
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:48:57

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



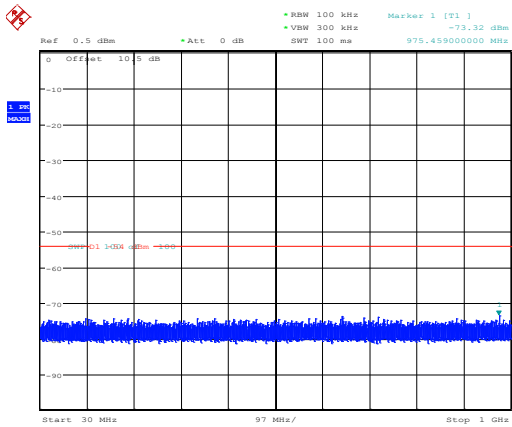
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:54:53

802.11n ht40, Low Channel(1GHz~26GHz)



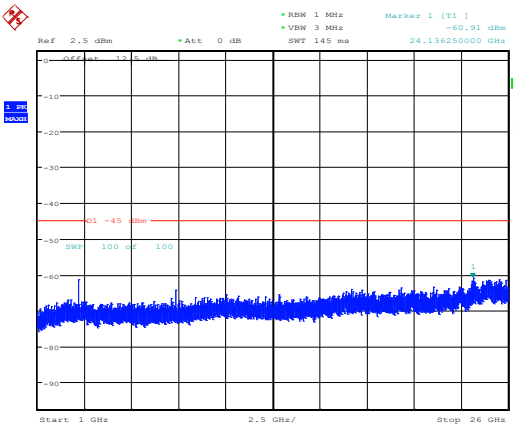
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:56:33

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



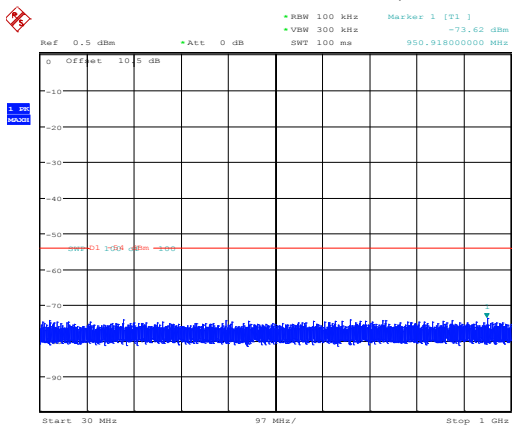
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:57:10

802.11n ht40, High Channel(1GHz~26GHz)



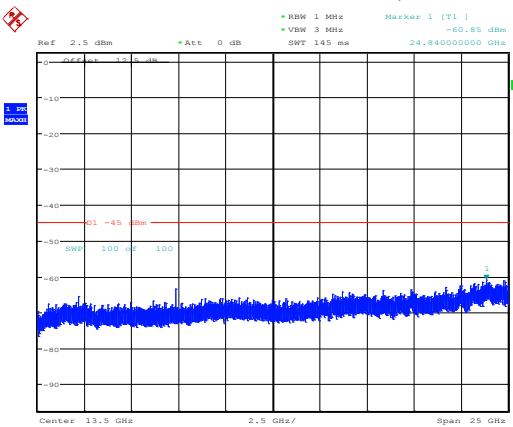
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 16:59:05

802.11ac vht80, Middle Channel(30MHz~1GHz)



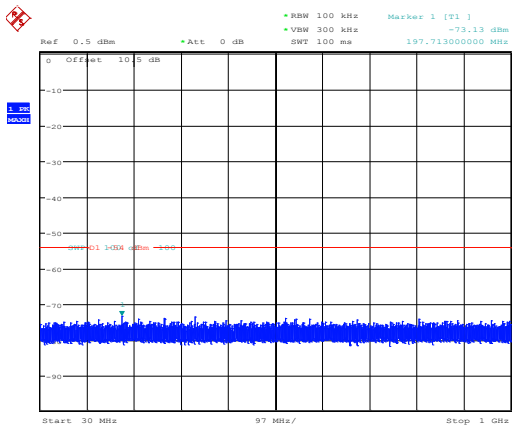
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:15:24

802.11ac vht80, Middle Channel(1GHz~26GHz)



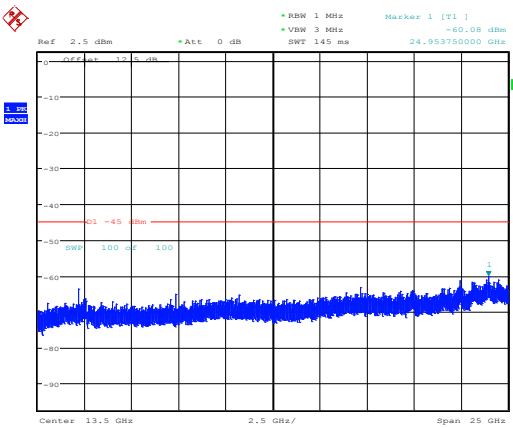
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:17:13

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



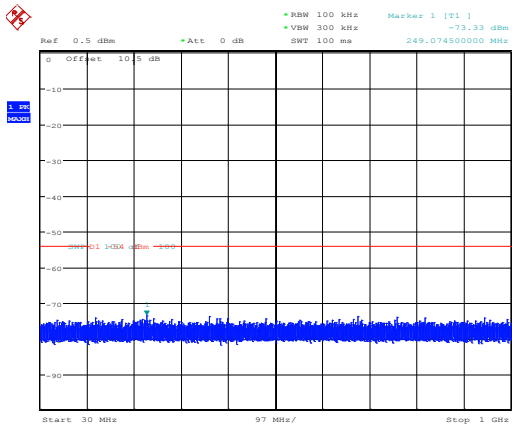
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:13:52

802.11ax he20, Low Channel(1GHz~26GHz)



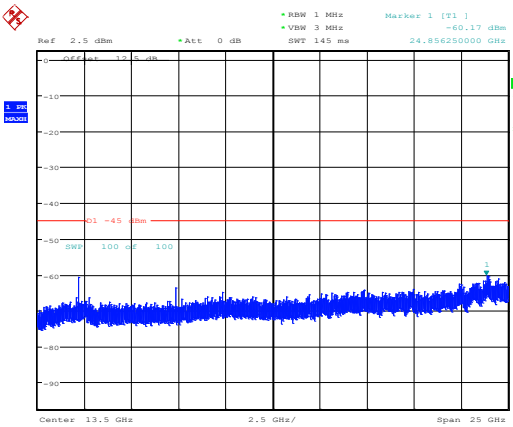
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:16:12

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



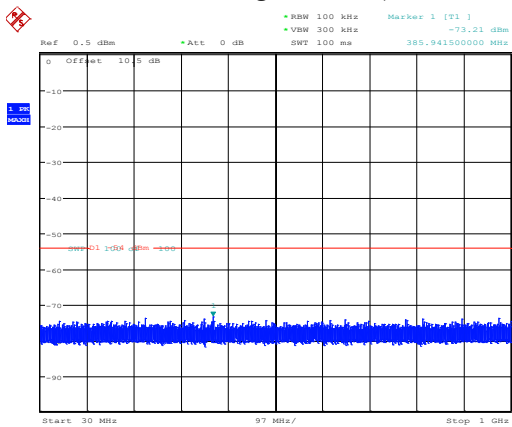
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:16:50

802.11ax he20, Middle Channel(1GHz~26GHz)



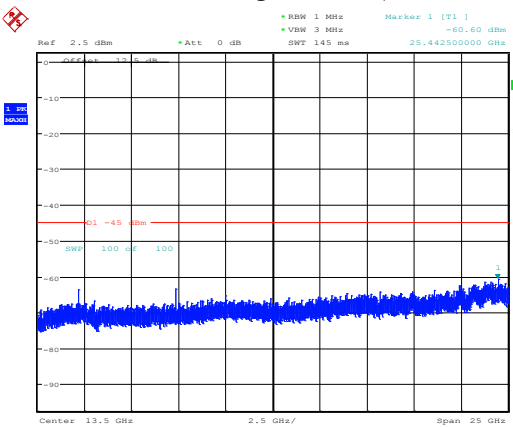
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:20:02

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



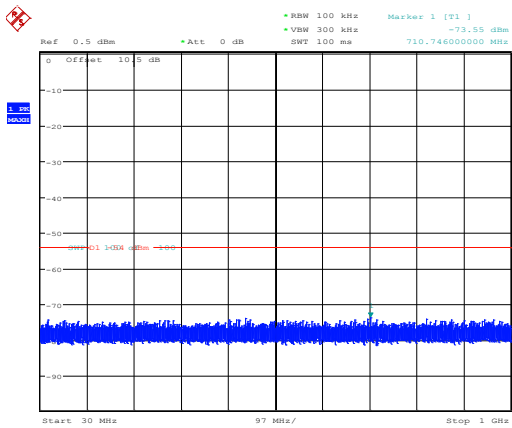
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:20:39

802.11ax he20, High Channel(1GHz~26GHz)



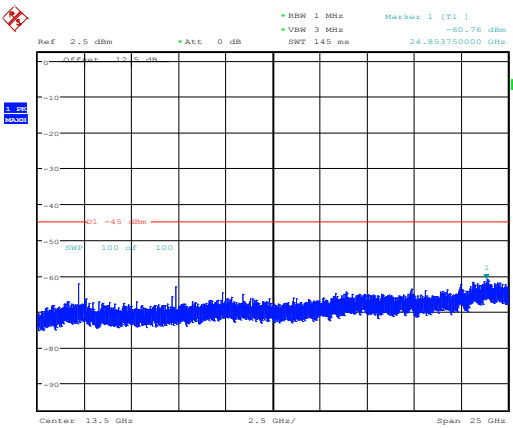
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:22:38

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



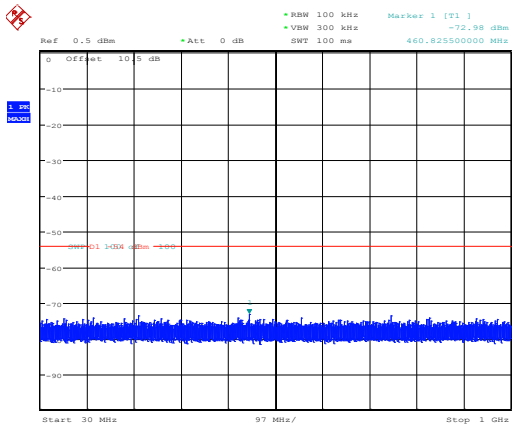
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 17:28:49

802.11ax he40, Low Channel(1GHz~26GHz)



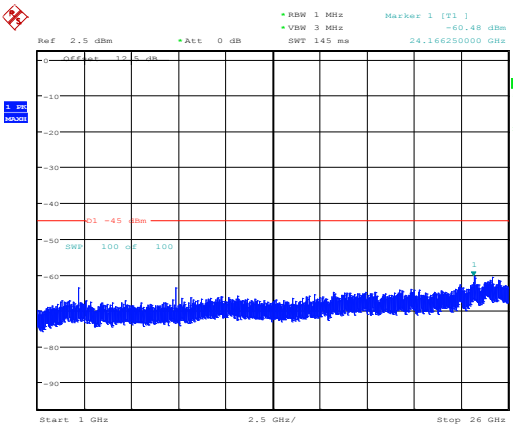
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:03:17

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



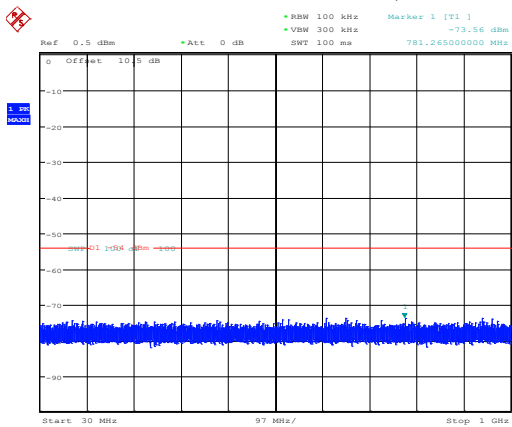
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:03:50

802.11ax he40, High Channel(1GHz~26GHz)



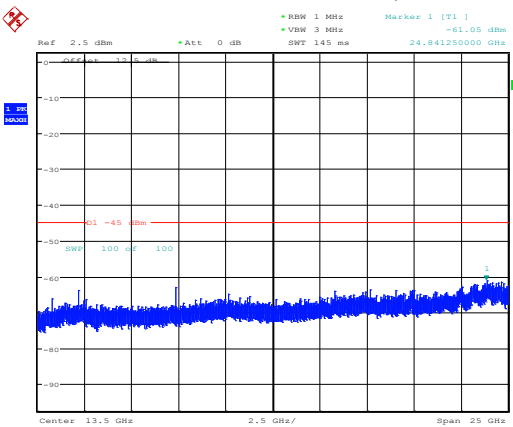
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:06:43

802.11ax he80, Middle Channel(30MHz~1GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:21:21

802.11ax he80, Middle Channel(1GHz~26GHz)



ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 15.SEP.2025 18:23:29

4.8 Transmission Burst Length

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

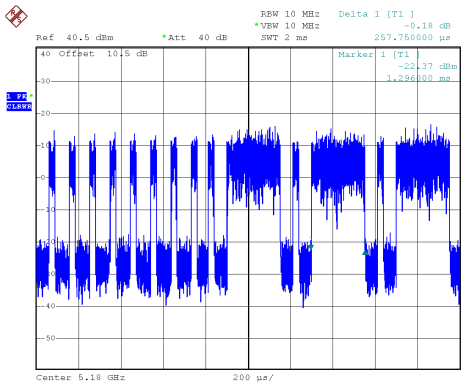
W52, Chain 0

Test Mode	Test Frequency (MHz)	Transmission Burst Length (ms)	Limit	Verdict
802.11a	5180	0.258	≤ 8	Pass
802.11n ht20	5180	5.704	≤ 8	Pass
802.11n ht40	5190	3.680	≤ 8	Pass
802.11ac vht80	5210	3.720	≤ 8	Pass
802.11ax he20	5180	5.423	≤ 8	Pass
802.11ax he40	5190	5.471	≤ 8	Pass
802.11ax he80	5210	5.452	≤ 8	Pass

The test plots as following:

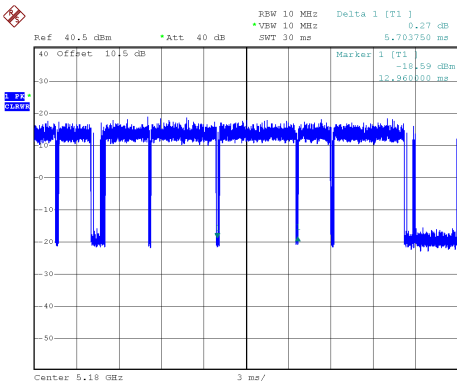
W52, Chain 0, Test Condition: NV

802.11a, Low Channel



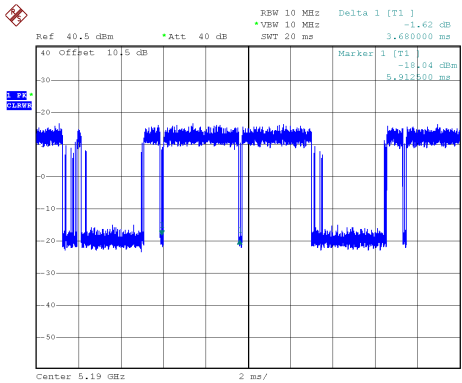
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 18.SEP.2025 17:23:24

802.11n20, Low Channel



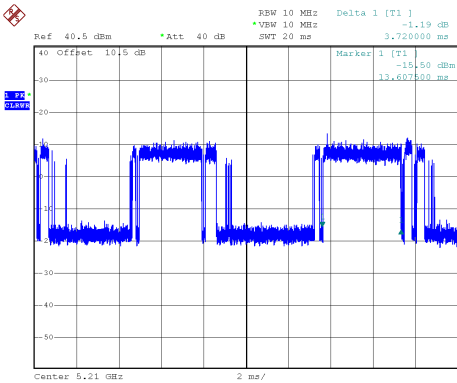
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 18.SEP.2025 17:26:54

802.11n40, Low Channel



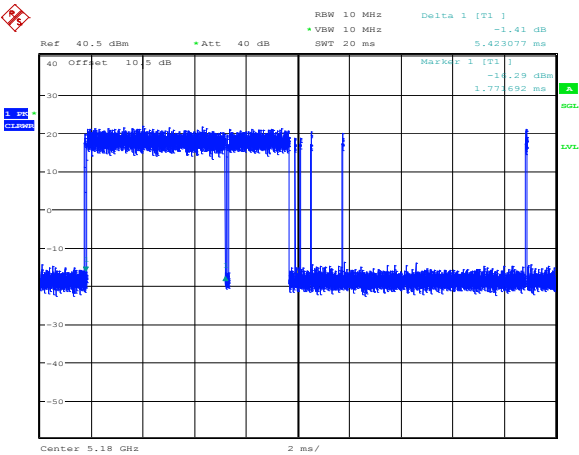
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 18.SEP.2025 17:28:30

802.11ac80, Middle Channel



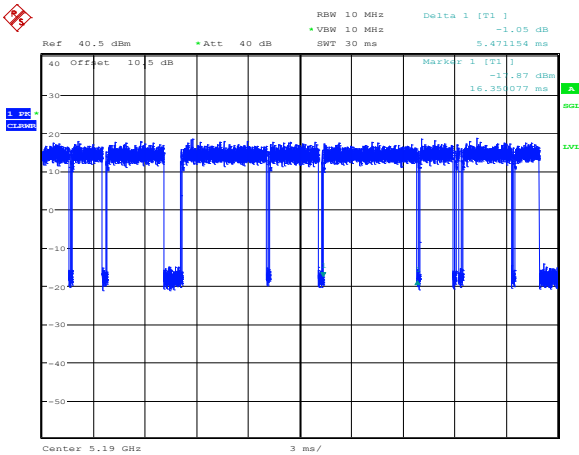
ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 18.SEP.2025 17:31:07

802.11ax20, Low Channel



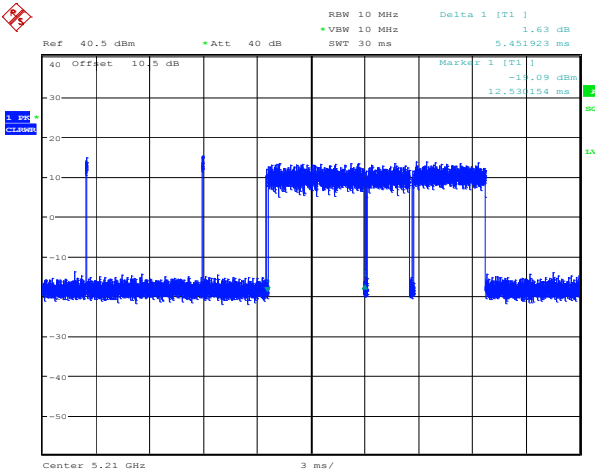
Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 14.OCT.2025 17:23:00

802.11ax40, Low Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 14.OCT.2025 17:29:17

802.11ax80, Middle Channel



Comment: ProjectNo.:2503W07836E-RF Tester:Chloe Zhao
Date: 14.OCT.2025 17:32:28

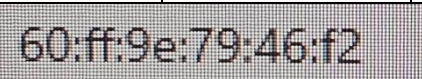
4.9 Carrier Sense Capability

Test Result: Good.

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

4.10 Interference Prevention Function

Test Result: Compliant, please see the below table.

Item	Result	Requirement	Verdict
Methodology to transmit ID Code:	Automatically	Automatically	Good
Methodology to receive ID Code:	Automatically	Automatically	Good
Identification Codes (ID Codes):	60:ff:9e:79:46:f2	/	/
Bits of ID Codes:	48 bits	19 bits or more	Compliant
Screenshot:			

4.11 Construction Protection Confirmation

Result: Compliant. please see the below table.

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

5. EUT PHOTOGRAPHS

Please refer to the attachment 2503W07836E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2503W07836E-RF-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2503W07836E-RF-TSP TEST SETUP PHOTOGRAPHS.

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