

JAPAN SPECIFIED RADIO EQUIPMENT

TEST REPORT

For

COREXOM

Trade Name: Coretronic Reality Inc.

Model: I9074L

Issued to

Coretronic Reality Inc.

No. 5, Wenhua Rd., Fengshan Vil., Hukou Township, Hsinchu County 303035, Taiwan
(R.O.C.)

Issued by

Compliance Certification Services Inc.

Wugu Laboratory

No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City, Taiwan

Issued Date: March 5, 2026

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	March 5, 2026	Initial Issue	ALL	Peggy Tsai

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1. TEST RESULT CERTIFICATION

Applicant: Coretronic Reality Inc.
No. 5, Wenhua Rd., Fengshan Vil., Hukou Township,
Hsinchu County 303035, Taiwan (R.O.C.)

Manufacturer: Coretronic Reality Inc.
No. 5, Wenhua Rd., Fengshan Vil., Hukou Township,
Hsinchu County 303035, Taiwan (R.O.C.)

Equipment Under Test: COREXOM

Trade Name: Coretronic Reality Inc.

Model Number: I9074L

Detailed EUT Description: See Item 3 of this report

EUT Receive Date: January 19, 2026

Date of Test: January 20 ~ February 3, 2026

APPLICABLE STANDARDS	
CLASSIFICATION	TEST RESULT
Article 2-1-19-3	Compliance
Statements of Conformity	
Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.	

The above equipment was tested by Compliance Certification Services Inc. for compliance with the requirements set forth in Article 2-1-19-3. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:



Shawn Wu
Supervisor

2. SUMMARY OF TEST RESULTS

2.1 WLAN IEEE 802.11a (W52)

APPLIED STANDARD: Article 2-1-19-3			
Standard Section	Report Section	Test Type and Limit	Test Result
General provisions			
5	6.2	Frequency Tolerance	PASS
6	6.3	Occupied Bandwidth	PASS
7	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
Transmitting equipment			
14	6.1	RF output power	PASS
14.2	-	SAR	-
Transmitting antenna			
20	4.2	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
Receiving antenna			
24	6.6	Secondarily Emitted Radio Wave Strength	PASS
26	4.2	Refer to All Articles for Transmitting Antenna	PASS
Operating frequency 5180 ~ 5240MHz (20MHz Space 4 Channels)			
49.20(3);a	4.3	RF Shielding Method	PASS
49.20(3);b	3/4	Communication Method	PASS
49.20(3);c	3/4	Modulation Method	PASS
49.20(3);d	3/4	Signal Transmission Rate	PASS
49.20(3);e	6.7	Transmission Burst Length	PASS
49.20(3);f	6.1	RF output power	PASS
49.20(3);g	2.1	Equivalent Isotropic Radiated Power	PASS
49.20(3);h	-	Number of Carriers	PASS
49.20(3);i	-	Spreading Factor	PASS
49.20(3);j	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
49.20(3);j	6.4	Adjacent Channel Leakage Power	PASS
49.20(3);k	-	Comply with The Technical Conditions	PASS
-	6.7	Carrier Sense Capability	PASS
-	7	Interference Prevention Function	PASS

2.2 WLAN IEEE 802.11n HT20 / ac VHT20 (W52)

APPLIED STANDARD: Article 2-1-19-3			
Standard Section	Report Section	Test Type and Limit	Test Result
General provisions			
5	6.2	Frequency Tolerance	PASS
6	6.3	Occupied Bandwidth	PASS
7	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
Transmitting equipment			
14	6.1	RF output power	PASS
14.2	-	SAR	-
Transmitting antenna			
20	4.2	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
Receiving antenna			
24	6.6	Secondarily Emitted Radio Wave Strength	PASS
26	4.2	Refer to All Articles for Transmitting Antenna	PASS
Operating frequency 5180 ~ 5240MHz (20MHz Space 4 Channels)			
49.20(3);a	4.3	RF Shielding Method	PASS
49.20(3);b	3/4	Communication Method	PASS
49.20(3);c	3/4	Modulation Method	PASS
49.20(3);d	3/4	Signal Transmission Rate	PASS
49.20(3);e	6.7	Transmission Burst Length	PASS
49.20(3);f	6.1	RF output power	PASS
49.20(3);g	2.1	Equivalent Isotropic Radiated Power	PASS
49.20(3);h	-	Number of Carriers	PASS
49.20(3);i	-	Spreading Factor	PASS
49.20(3);j	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
49.20(3);j	6.4	Adjacent Channel Leakage Power	PASS
49.20(3);k	-	Comply with The Technical Conditions	PASS
-	6.7	Carrier Sense Capability	PASS
-	7	Interference Prevention Function	PASS

2.3 WLAN IEEE 802.11n HT40 / ac VHT40 (W52)

APPLIED STANDARD: Article 2-1-19-3			
Standard Section	Report Section	Test Type and Limit	Test Result
General provisions			
5	6.2	Frequency Tolerance	PASS
6	6.3	Occupied Bandwidth	PASS
7	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
Transmitting equipment			
14	6.1	RF output power	PASS
14.2	-	SAR	-
Transmitting antenna			
20	4.2	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
Receiving antenna			
24	6.6	Secondarily Emitted Radio Wave Strength	PASS
26	4.2	Refer to All Articles for Transmitting Antenna	PASS
Operating frequency 5190 ~ 5230MHz (40MHz Space 2 Channels)			
49.20(3);a	4.3	RF Shielding Method	PASS
49.20(3);b	3/4	Communication Method	PASS
49.20(3);c	3/4	Modulation Method	PASS
49.20(3);d	3/4	Signal Transmission Rate	PASS
49.20(3);e	6.7	Transmission Burst Length	PASS
49.20(3);f	6.1	RF output power	PASS
49.20(3);g	2.1	Equivalent Isotropic Radiated Power	PASS
49.20(3);h	-	Number of Carriers	PASS
49.20(3);i	-	Spreading Factor	PASS
49.20(3);j	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
49.20(3);j	6.4	Adjacent Channel Leakage Power	PASS
49.20(3);k	-	Comply with The Technical Conditions	PASS
-	6.7	Carrier Sense Capability	PASS
-	7	Interference Prevention Function	PASS

2.4 WLAN IEEE 802.11ax HE20 (W52)

APPLIED STANDARD: Article 2-1-19-3			
Standard Section	Report Section	Test Type and Limit	Test Result
General provisions			
5	6.2	Frequency Tolerance	PASS
6	6.3	Occupied Bandwidth	PASS
7	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
Transmitting equipment			
14	6.1	RF output power	PASS
14.2	-	SAR	-
Transmitting antenna			
20	4.2	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
Receiving antenna			
24	6.6	Secondarily Emitted Radio Wave Strength	PASS
26	4.2	Refer to All Articles for Transmitting Antenna	PASS
Operating frequency 5180 ~ 5240MHz (20MHz Space 4 Channels)			
49.20(3);a	4.3	RF Shielding Method	PASS
49.20(3);b	3/4	Communication Method	PASS
49.20(3);c	3/4	Modulation Method	PASS
49.20(3);d	3/4	Signal Transmission Rate	PASS
49.20(3);e	6.7	Transmission Burst Length	PASS
49.20(3);f	6.1	RF output power	PASS
49.20(3);g	2.1	Equivalent Isotropic Radiated Power	PASS
49.20(3);h	-	Number of Carriers	PASS
49.20(3);i	-	Spreading Factor	PASS
49.20(3);j	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
49.20(3);j	6.4	Adjacent Channel Leakage Power	PASS
49.20(3);k	-	Comply with The Technical Conditions	PASS
-	6.7	Carrier Sense Capability	PASS
-	7	Interference Prevention Function	PASS

2.5 WLAN IEEE 802.11ax HE40 (W52)

APPLIED STANDARD: Article 2-1-19-3			
Standard Section	Report Section	Test Type and Limit	Test Result
General provisions			
5	6.2	Frequency Tolerance	PASS
6	6.3	Occupied Bandwidth	PASS
7	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
Transmitting equipment			
14	6.1	RF output power	PASS
14.2	-	SAR	-
Transmitting antenna			
20	4.2	Type, Configuration, etc., of Transmitting Antenna	PASS
22	-	Direction Pattern of Transmitting Antenna (Provided at Individual Antenna Report)	PASS
Receiving antenna			
24	6.6	Secondarily Emitted Radio Wave Strength	PASS
26	4.2	Refer to All Articles for Transmitting Antenna	PASS
Operating frequency 5190 ~ 5230MHz (40MHz Space 2 Channels)			
49.20(3);a	4.3	RF Shielding Method	PASS
49.20(3);b	3/4	Communication Method	PASS
49.20(3);c	3/4	Modulation Method	PASS
49.20(3);d	3/4	Signal Transmission Rate	PASS
49.20(3);e	6.7	Transmission Burst Length	PASS
49.20(3);f	6.1	RF output power	PASS
49.20(3);g	2.1	Equivalent Isotropic Radiated Power	PASS
49.20(3);h	-	Number of Carriers	PASS
49.20(3);i	-	Spreading Factor	PASS
49.20(3);j	6.5	Out-Band Leakage Power & Unwanted Emission Strength	PASS
49.20(3);j	6.4	Adjacent Channel Leakage Power	PASS
49.20(3);k	-	Comply with The Technical Conditions	PASS
-	6.7	Carrier Sense Capability	PASS
-	7	Interference Prevention Function	PASS

3 EUT DESCRIPTION

Product	COREXOM										
Model Number	I9074L										
Trade Name	Coretronic Reality Inc.										
Power Supply	Power from power supply. (DC 12V)										
Model Discrepancy	N/A										
Frequency Range	IEEE 802.11a (W52 / CH36~48): 5180~5240MHz IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48): 5180~5240MHz IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46): 5190~5230MHz IEEE 802.11ax HE20 (W52 / CH36~48): 5180~5240MHz IEEE 802.11ax HE40 (W52 / CH38~46): 5190~5230MHz										
Rated Antenna Power (W/MHz)	<table> <tr> <td>IEEE 802.11a (W52 / CH36~48)</td><td>0.002645</td></tr> <tr> <td>IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48)</td><td>0.002630</td></tr> <tr> <td>IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46)</td><td>0.002000</td></tr> <tr> <td>IEEE 802.11ax HE20 (W52 / CH36~48)</td><td>0.002787</td></tr> <tr> <td>IEEE 802.11ax HE40 (W52 / CH38~46)</td><td>0.002000</td></tr> </table>	IEEE 802.11a (W52 / CH36~48)	0.002645	IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48)	0.002630	IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46)	0.002000	IEEE 802.11ax HE20 (W52 / CH36~48)	0.002787	IEEE 802.11ax HE40 (W52 / CH38~46)	0.002000
IEEE 802.11a (W52 / CH36~48)	0.002645										
IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48)	0.002630										
IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46)	0.002000										
IEEE 802.11ax HE20 (W52 / CH36~48)	0.002787										
IEEE 802.11ax HE40 (W52 / CH38~46)	0.002000										
Measured Antenna Power (W/MHz)	<table> <tr> <td>IEEE 802.11a (W52 / CH36~48)</td><td>0.002645</td></tr> <tr> <td>IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48)</td><td>0.002630</td></tr> <tr> <td>IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46)</td><td>0.002000</td></tr> <tr> <td>IEEE 802.11ax HE20 (W52 / CH36~48)</td><td>0.002787</td></tr> <tr> <td>IEEE 802.11ax HE40 (W52 / CH38~46)</td><td>0.002000</td></tr> </table>	IEEE 802.11a (W52 / CH36~48)	0.002645	IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48)	0.002630	IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46)	0.002000	IEEE 802.11ax HE20 (W52 / CH36~48)	0.002787	IEEE 802.11ax HE40 (W52 / CH38~46)	0.002000
IEEE 802.11a (W52 / CH36~48)	0.002645										
IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48)	0.002630										
IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46)	0.002000										
IEEE 802.11ax HE20 (W52 / CH36~48)	0.002787										
IEEE 802.11ax HE40 (W52 / CH38~46)	0.002000										

Number of Channels	IEEE 802.11a (W52 / CH36~48): 4 channels IEEE 802.11n HT20 / ac VHT20 (W52 / CH36~48): 4 channels IEEE 802.11n HT40 / ac VHT40 (W52 / CH38~46): 2 channels IEEE 802.11ax HE20 (W52 / CH36~48): 4 channels IEEE 802.11ax HE40 (W52 / CH38~46): 2 channels
Modulation Technique	IEEE 802.11a: OFDM (QPSK, BPSK, 16-QAM, 64-QAM) IEEE 802.11n: OFDM (QPSK, BPSK, 16-QAM, 64-QAM) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDMA (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Specification	Antenna-1: Type: Dipole Antenna Model: ARS-NT5B Gain: 5 dBi $\pm$ 0.5 dBi Antenna-2: Type: Dipole Antenna Model: CIR22-440330-V0 1-L65mm Gain: 2Bi
Hardware Version	MP
Software Version	2.0.0

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

4 TEST METHODOLOGY & CONDITIONS

4.1 TEST CONDITIONS

Temperature: 21.5 ~ 25.5°C

Test date: January 20 ~ February 3, 2026

Humidity: 50 ~ 59% RH

Tested by: Marco Chan

Voltage Fluctuation Test	Normal Voltage	High Voltage + 10% of Normal Voltage	Low Voltage - 10% of Normal Voltage
Input DC Power	12	13.2	10.8
Output DC Power	0.9	0.9	0.9
Voltage Variation (%)	0	0	0
Voltage Regulator IC: MP5496			
Note: Voltage Variation (%) = (Output High or Low Voltage - Output Normal Voltage)/Output Normal Voltage X 100			
During the input supply voltage to the EUT from the external power source is varied by +/- 10%, if output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/- 1%. Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.			

Test Category		5GHz Band Low-Power Data Communication System (2TX2RX)					
		802.11a W52 20MHz System					
		This equipment is a client that supports TPC function.					
		unit				Limit	Result
Environment of Test Room Temperature		°C	21.5~24.7			≧ 5	PASS
						≧ 35	
Environment of Test Room Humidity		%	50~62			≧ 45	PASS
						≧ 85	
Input Power Voltage		VDC	12.00			---	---
The reason why the tests are performed only at rated voltage:		When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).					
Burst	Modulation	---	OFDM			---	---
	On Time	msec	1.976			≦ 8	PASS
	Off Time	msec	0.098			---	---
	Ratio	%	95.27			---	---
802.11a_W52_20MHz		unit	---	---	---	Limit	Result
Measurement Center Frequency		MHz	5180	5220	5240	---	---
Channel Number		Ch.	36	44	48	---	---
Declaration Output Power		mW/MHz	2.645			≦ 10.000	PASS
E.I.R.P.		mW/MHz	8.451	9.376	9.384	≦ 10.000	PASS
		dBm/MHz	9.269	9.720	9.724	≦ 10.000	PASS
Peak Antenna Gain (Chain0)		dBi	5.5			---	---
Peak Antenna Gain (Chain1)		dBi	5.5			---	---
Tested Circuit Insertion Loss (Chain0)		dB	8.80			---	---
Tested Circuit Insertion Loss (Chain1)		dB	8.80			---	---
Tested Circuit Insertion Loss (RX_Chain0)		dB	0.75			---	---
Tested Circuit Insertion Loss (RX_Chain1)		dB	0.75			---	---

Test Category		5GHz Band Low-Power Data Communication System (2TX2RX)					
		802.11n W52 20MHz System					
		This equipment is a client that supports TPC function.					
		unit				Limit	Result
Environment of Test Room Temperature		°C	21.5~24.7			$\geq$ 5 $\leq$ 35	PASS
Environment of Test Room Humidity		%	50~62			$\geq$ 45 $\leq$ 85	
Input Power Voltage		VDC	12.00			---	---
The reason why the tests are performed only at rated voltage:		When the input voltage to receiver RF circuit varies below $\pm 1\%$ as the input voltage from the external power supply to the receiver varies $\pm 10\%$ (excluding power supply).					
Burst	Modulation	---	OFDM			---	---
	On Time	msec	5.424			$\leq$ 8	PASS
	Off Time	msec	0.912			---	---
	Ratio	%	85.61			---	---
802.11n_W52_20MHz		unit	---	---	---	Limit	Result
Measurement Center Frequency		MHz	5180	5220	5240	---	---
Channel Number		Ch.	36	44	48	---	---
Declaration Output Power		mW/MHz	2.630			$\leq$ 10.000	PASS
E.I.R.P.		mW/MHz	9.333	7.887	7.958	$\leq$ 10.000	PASS
		dBm/MHz	9.700	8.969	9.008	$\leq$ 10.000	PASS
Peak Antenna Gain (Chain0)		dBi	5.5			---	---
Peak Antenna Gain (Chain1)		dBi	5.5			---	---
Tested Circuit Insertion Loss (Chain0)		dB	8.80			---	---
Tested Circuit Insertion Loss (Chain1)		dB	8.80			---	---
Tested Circuit Insertion Loss (RX_Chain0)		dB	0.75			---	---
Tested Circuit Insertion Loss (RX_Chain1)		dB	0.75			---	---

Test Category		5GHz Band Low-Power Data Communication System (2TX2RX)					
		802.11n W52 40MHz System					
		This equipment is a client that supports TPC function.					
		unit				Limit	Result
Environment of Test Room Temperature		°C	21.5~24.7			≧ 5	PASS
						≦ 35	
Environment of Test Room Humidity		%	50~62			≧ 45	PASS
						≦ 85	
Input Power Voltage		VDC	12.00			---	---
The reason why the tests are performed only at rated voltage:		When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).					
Burst	Modulation	---	OFDM			---	---
	On Time	msec	5.424			≦ 8	PASS
	Off Time	msec	0.918			---	---
	Ratio	%	85.53			---	---
802.11n_W52_40MHz		unit	---	---	---	Limit	Result
Measurement Center Frequency		MHz	5190	5230	-	---	---
Channel Number		Ch.	38	46	-	---	---
Declaration Output Power		mW/MHz	2.000			≦ 5.000	PASS
E.I.R.P.		mW/MHz	4.319	4.443	-	≦ 5.000	PASS
		dBm/MHz	6.354	6.477	-	≦ 6.990	PASS
Peak Antenna Gain (Chain0)		dBi	5.5			---	---
Peak Antenna Gain (Chain1)		dBi	5.5			---	---
Tested Circuit Insertion Loss (Chain0)		dB	8.80			---	---
Tested Circuit Insertion Loss (Chain1)		dB	8.80			---	---
Tested Circuit Insertion Loss (RX_Chain0)		dB	0.75			---	---
Tested Circuit Insertion Loss (RX_Chain1)		dB	0.75			---	---

Test Category		5GHz Band Low-Power Data Communication System (2TX2RX)					
		802.11ax W52 20MHz System					
		This equipment is a client that supports TPC function.					
		unit				Limit	Result
Environment of Test Room Temperature		°C	21.5~24.7			≧ 5 ≦ 35	PASS
Environment of Test Room Humidity		%	50~62			≧ 45 ≦ 85	
Input Power Voltage		VDC	12.00			---	---
The reason why the tests are performed only at rated voltage:		When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).					
Burst	Modulation	---	OFDMA			---	---
	On Time	msec	5.442			≧ 8	PASS
	Off Time	msec	0.954			---	---
	Ratio	%	85.08			---	---
802.11ax_W52_20MHz		unit	---	---	---	Limit	Result
Measurement Center Frequency		MHz	5180	5220	5240	---	---
Channel Number		Ch.	36	44	48	---	---
Declaration Output Power		mW/MHz	2.787			≧ 10.000	PASS
E.I.R.P.		mW/MHz	9.888	9.621	7.023	≧ 10.000	PASS
		dBm/MHz	9.951	9.832	8.465	≧ 10.000	PASS
Peak Antenna Gain (Chain0)		dBi	5.5			---	---
Peak Antenna Gain (Chain1)		dBi	5.5			---	---
Tested Circuit Insertion Loss (Chain0)		dB	8.80			---	---
Tested Circuit Insertion Loss (Chain1)		dB	8.80			---	---
Tested Circuit Insertion Loss (RX_Chain0)		dB	0.75			---	---
Tested Circuit Insertion Loss (RX_Chain1)		dB	0.75			---	---

Test Category		5GHz Band Low-Power Data Communication System (2TX2RX)					
		802.11ax W52 40MHz System					
		This equipment is a client that supports TPC function.					
		unit				Limit	Result
Environment of Test Room Temperature		°C	21.5~24.7			≧ 5 ≦ 35	PASS
Environment of Test Room Humidity		%	50~62			≧ 45 ≦ 85	
Input Power Voltage		VDC	12.00			---	---
The reason why the tests are performed only at rated voltage:		When the input voltage to receiver RF circuit varies below ± 1% as the input voltage from the external power supply to the receiver varies ± 10% (excluding power supply).					
Burst	Modulation	---	OFDMA			---	---
	On Time	msec	5.448			≦ 8	PASS
	Off Time	msec	0.990			---	---
	Ratio	%	84.62			---	---
802.11ax_W52_40MHz		unit	---	---	---	Limit	Result
Measurement Center Frequency		MHz	5190	5230	-	---	---
Channel Number		Ch.	38	46	-	---	---
Declaration Output Power		mW/MHz	2.000			≦ 5.000	PASS
E.I.R.P.		mW/MHz	4.441	4.623	-	≦ 5.000	PASS
		dBm/MHz	6.475	6.649	-	≦ 6.990	PASS
Peak Antenna Gain (Chain0)		dBi	5.5			---	---
Peak Antenna Gain (Chain1)		dBi	5.5			---	---
Tested Circuit Insertion Loss (Chain0)		dB	8.80			---	---
Tested Circuit Insertion Loss (Chain1)		dB	8.80			---	---
Tested Circuit Insertion Loss (RX_Chain0)		dB	0.75			---	---
Tested Circuit Insertion Loss (RX_Chain1)		dB	0.75			---	---

4.2 DESCRIPTION OF TEST MODES

The EUT (Model: COREXOM) had been tested under operating condition. Software used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

The worst case data rate is determined as the data rate with highest output power.

This device supports both SISO and MIMO mode, at 802.11a/n20/n40/ac20/ac40/ax20/ax40 mode. but the RF outputs use the same power, resulting in higher overall power in MIMO mode than in SISO mode.

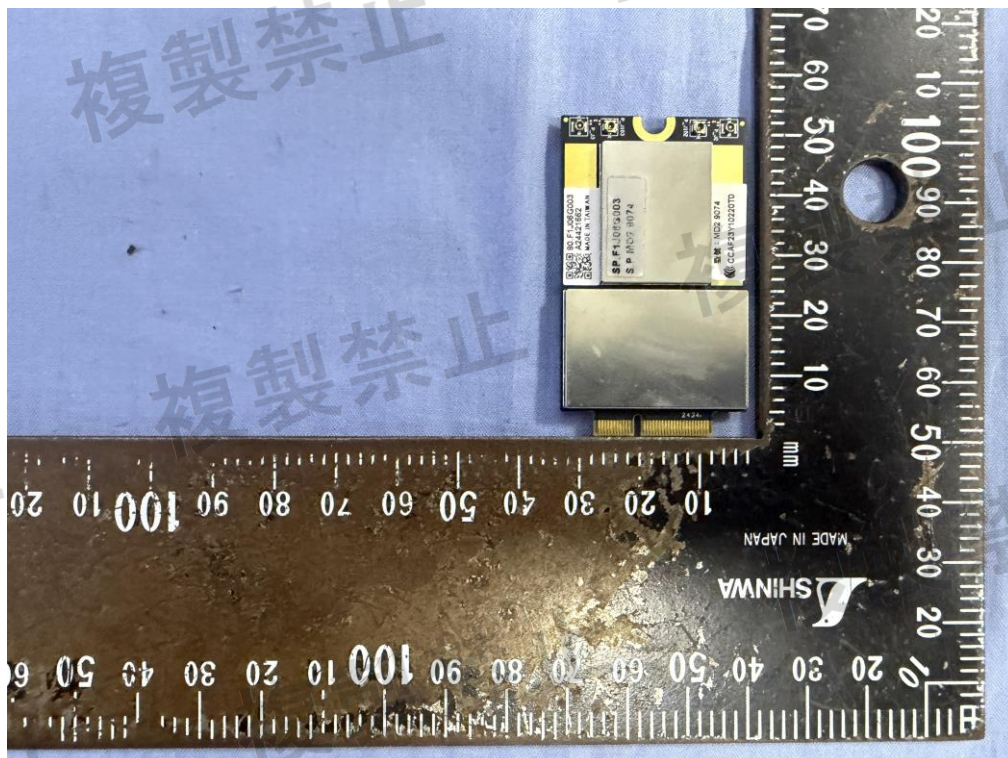
The modulation and bandwidth are similar for 802.11n mode for HT20 / HT40 and 802.11ac mode for VHT20 / VHT40, therefore investigated worst case to representative mode in test report.

4.3 TESTING APPLIED STARDARDS

MIC Notice No.88 Appendix No.45
MIC Certification Rule, Article 2 Paragraph 1 Item 19-3
ARIB STD-71

4.4 RF SHIELDING METHOD

The RF part is not easily accessible because the EUT is using a shielding case as below.



4.5 SETUP OF EQUIPMENT UNDER TEST

Setup Diagram

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

Support Equipment

Conducted_TELEC (All)					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
NB(L)	Lenovo	ThinkPad X260	N/A	N/A	N/A
USB-A to Type-C	Xiaomi	SJX10ZM	N/A	N/A	N/A
Adapter	LYD	LYD1202500B	N/A	N/A	N/A
Test Module	N/A	N/A	N/A	N/A	N/A

5 INSTRUMENT AND CALIBRATION

5.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated once a year or in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

5.2 TEST AND MEASUREMENT EQUIPMENT

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and other equivalent standards.

Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective manual.

Equipment Used for Emission Measurement

Conducted TELECOM (All)								
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due	Calibration Lab	Accreditation Organization of the-Cal. Lab	Calibration Method
PXA Signal Analyzer	Keysight	N9030B	MY62291089	2025/09/24	2026/09/23	ETC	TAF	c
Power Sensor	Anritsu	MA2411B	1911387	2025/08/21	2026/08/20	ETC	TAF	c
Power Sensor	Anritsu	MA2411B	1911386	2025/07/07	2026/07/06	ETC	TAF	c
Power Meter	Anritsu	ML2496A	2136002	2025/07/07	2026/07/06	ETC	TAF	c
DC Blocks	Marvelous Microwave	MVE6411	MVE-001	2025/08/06	2026/08/05	ETC	TAF	c
Attenuator	Marvelous Microwave Inc	MVE2213-10	08	2025/11/06	2026/11/05	ETC	TAF	c
Vector Signal Generator	KEYSIGHT	N5138B	MY59100973	2025/08/05	2026/08/04	ETC	TAF	c
Software	Radio Test Software Ver. 21							

Remark:

- Each piece of equipment is scheduled for calibration once a year.
- Calibration Method:
 - 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)
 - Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)
 - 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)
 - Calibration conducted by using measuring instruments and other equipment listed in the right column of Table No. 3 attached hereto, which shall have been given any of calibration, etc. listed above from a) to c)

5.3 MEASUREMENT UNCERTAINTY

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR 100 028-1 [2] and shall correspond to an expansion factor (coverage factor) $k = 1,96$ or $k = 2$ (which provide confidence levels of respectively 95 % and 95,45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)).

Table 6 is based on such expansion factors.

Table: Maximum measurement uncertainty

PARAMETER	UNCERTAINTY
RF Output Power	$\pm 1.871\text{dB}$
Frequency Tolerance	$\pm 1.890\text{dB}$
Occupied Bandwidth(99%)	$\pm 1.971\text{dB}$
Adjacent channel leakage power	$\pm 1.871\text{dB}$
Out-Band leakage power & Unwanted emission strength	$\pm 1.871\text{dB}$
Secondarily emitted radio wave strength	$\pm 1.870\text{dB}$

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

6 TEST RESULT

6.1 RF OUTPUT POWER

Temperature: 21.5 ~ 25.5°C

Test date: January 20 ~ February 3, 2026

Humidity: 50 ~ 59% RH

Tested by: Marco Chan

TEST RESULT

RF Output Power						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
RF Output Power (Chain0) (*1)	mW/MHz	1.058	1.347	1.273	---	---
RF Output Power (Chain1) (*1)	mW/MHz	1.324	1.295	1.372	---	---
RF Output Power (*1) (Chain0+Chain1)	mW/MHz	2.382	2.642	2.645	≤ 10.000	PASS
RF Output Power Tolerance (Chain0+Chain1)	%	-9.94	-0.11	0.00	≥ -80 ≤ 20	PASS
Total Output Power (Chain0)	dBm	0.24393	1.2941	1.0476	---	---
Total Output Power (Chain1)	dBm	1.2193	1.1236	1.3740	---	---
Total Output Power (Chain0+Chain1)	dBm	3.769	4.219	4.224	---	---

(*1): included calculation of burst ratio

RF Output Power						
802.11n_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
RF Output Power (Chain0) (*1)	mW/MHz	1.257	1.215	1.087	---	---
RF Output Power (Chain1) (*1)	mW/MHz	1.373	1.008	1.156	---	---
RF Output Power (*1) (Chain0+Chain1)	mW/MHz	2.630	2.223	2.243	≤ 10.000	PASS
RF Output Power Tolerance (Chain0+Chain1)	%	0.00	-15.48	-14.71	≥ -80 ≤ 20	PASS
Total Output Power (Chain0)	dBm	0.99451	0.84641	0.36223	---	---
Total Output Power (Chain1)	dBm	1.3771	0.033131	0.62885	---	---
Total Output Power (Chain0+Chain1)	dBm	4.200	3.469	3.508	---	---

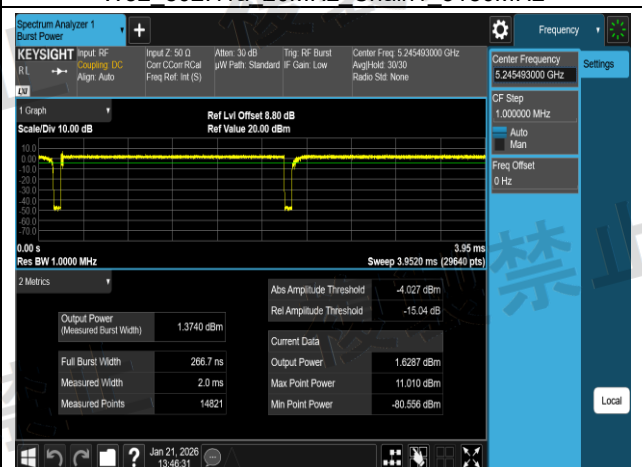
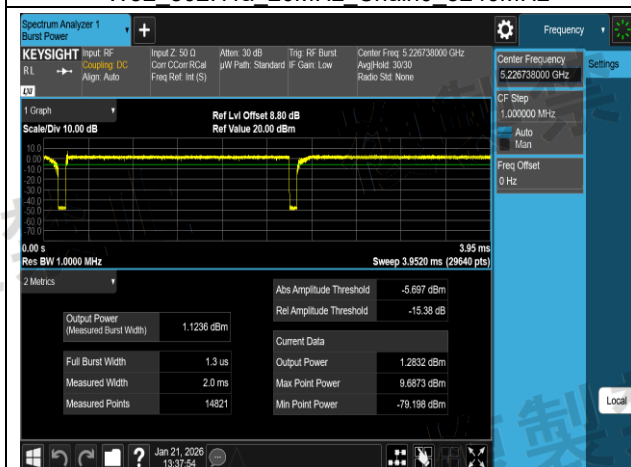
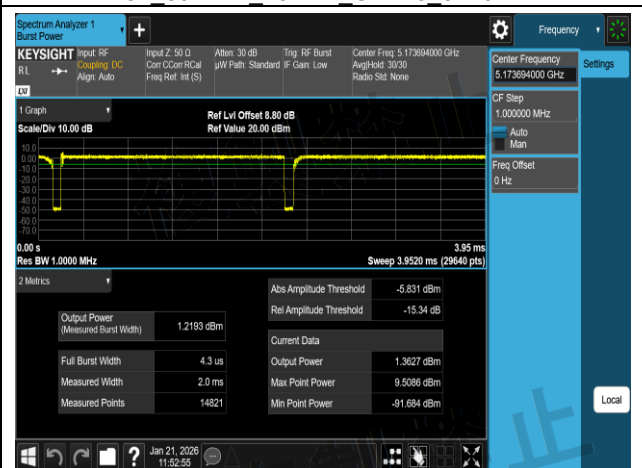
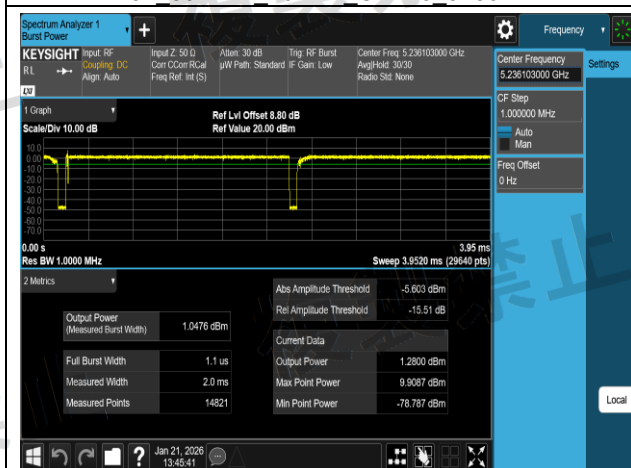
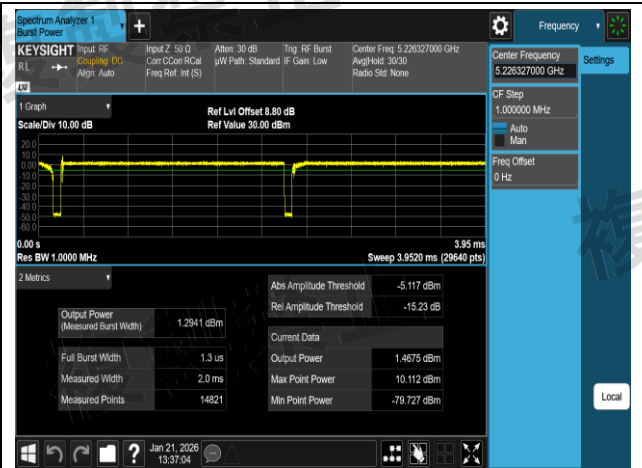
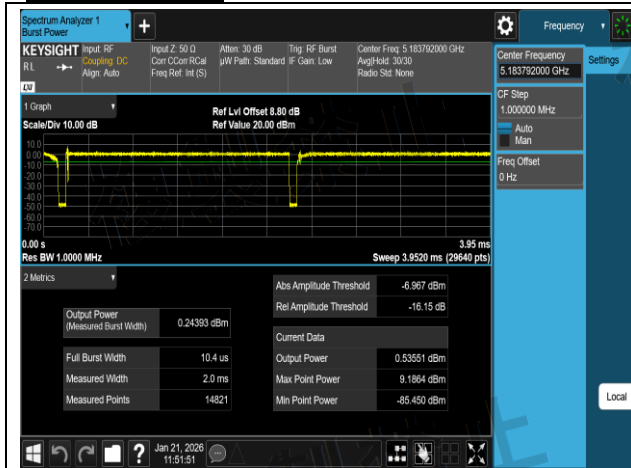
(*1): included calculation of burst ratio

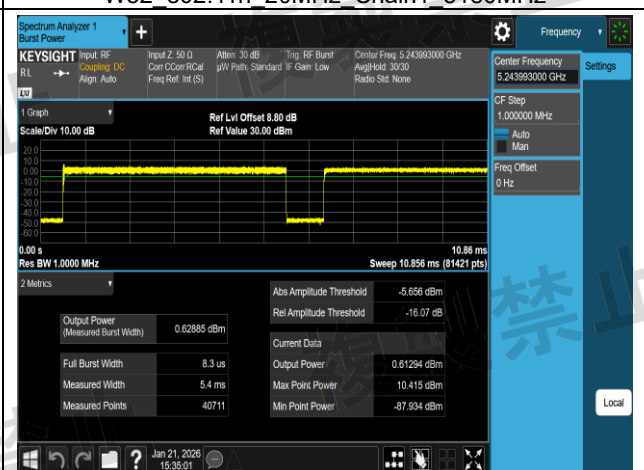
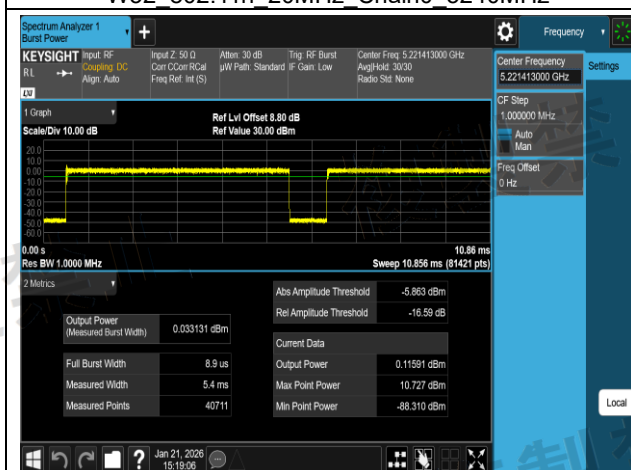
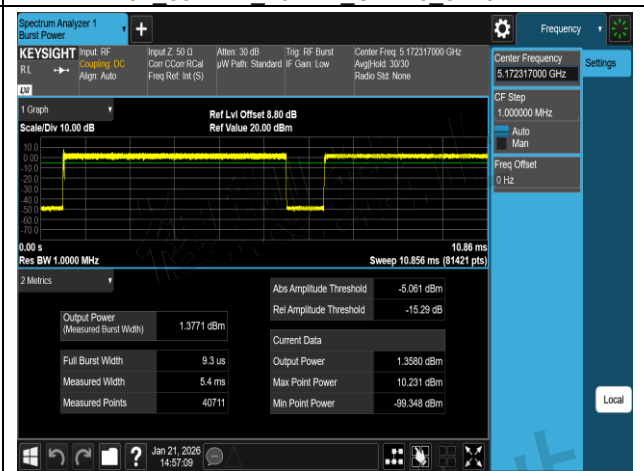
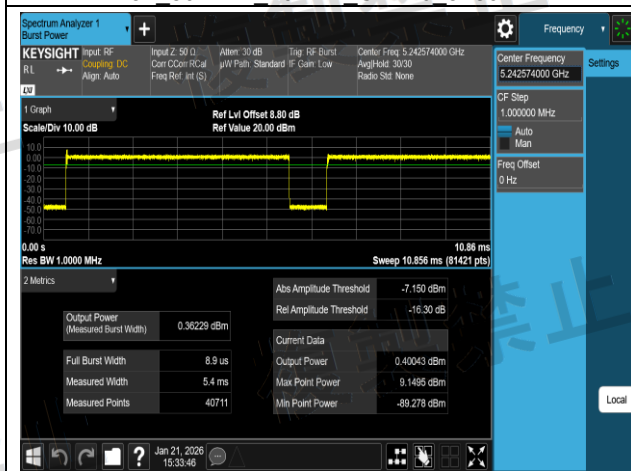
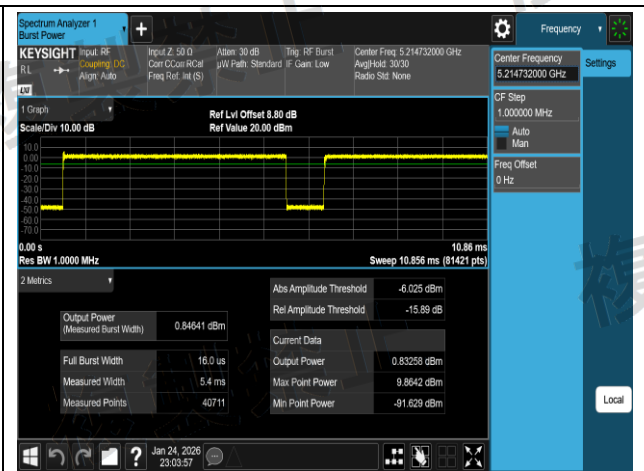
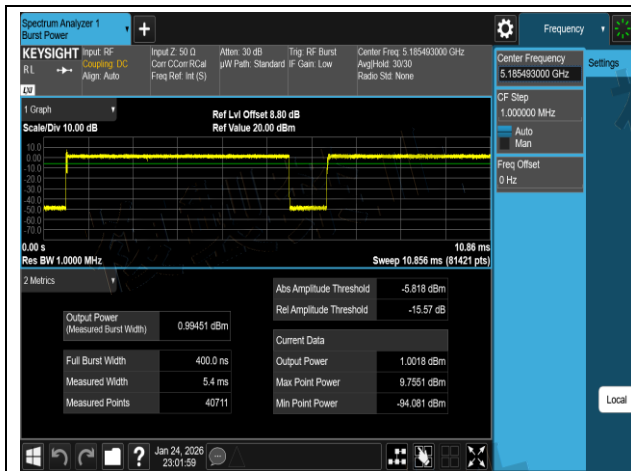
RF Output Power						
802.11n_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
RF Output Power (Chain0) (*1)	mW/MHz	0.613	0.638	-	---	---
RF Output Power (Chain1) (*1)	mW/MHz	0.604	0.614	-	---	---
RF Output Power (*1) (Chain0+Chain1)	mW/MHz	1.217	1.252	-	≤ 5.000	PASS
RF Output Power Tolerance (Chain0+Chain1)	%	-39.15	-37.40	-	≥ -80	PASS
					≤ 20	
Total Output Power (Chain0)	dBm	-2.1265	-1.9498	-	---	---
Total Output Power (Chain1)	dBm	-2.1870	-2.1184	-	---	---
Total Output Power (Chain0+Chain1)	dBm	0.853	0.976	-	---	---
(*1): included calculation of burst ratio						

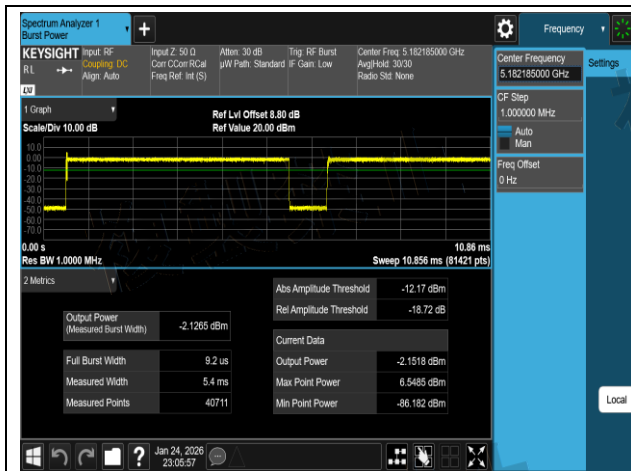
RF Output Power						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
RF Output Power (Chain0) (*1)	mW/MHz	1.303	1.376	1.035	---	---
RF Output Power (Chain1) (*1)	mW/MHz	1.484	1.336	0.944	---	---
RF Output Power (*1) (Chain0+Chain1)	mW/MHz	2.787	2.711	1.979	≤ 10.000	PASS
RF Output Power Tolerance (Chain0+Chain1)	%	0.00	-2.73	-28.99	≥ -80	PASS
					≤ 20	
Total Output Power (Chain0)	dBm	1.1502	1.3852	0.15140	---	---
Total Output Power (Chain1)	dBm	1.7139	1.2567	-0.2518	---	---
Total Output Power (Chain0+Chain1)	dBm	4.451	4.331	2.964	---	---
(*1): included calculation of burst ratio						

RF Output Power						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
RF Output Power (Chain0) (*1)	mW/MHz	0.641	0.662	-	---	---
RF Output Power (Chain1) (*1)	mW/MHz	0.610	0.641	-	---	---
RF Output Power (*1) (Chain0+Chain1)	mW/MHz	1.252	1.303	-	$\leq$ 5.000	PASS
RF Output Power Tolerance (Chain0+Chain1)	%	-37.40	-34.85	-	$\geq$ -80	PASS
					$\leq$ 20	
Total Output Power (Chain0)	dBm	-1.9294	-1.7922	-	---	---
Total Output Power (Chain1)	dBm	-2.1436	-1.9306	-	---	---
Total Output Power (Chain0+Chain1)	dBm	0.976	1.149	-	---	---
(*1): included calculation of burst ratio						

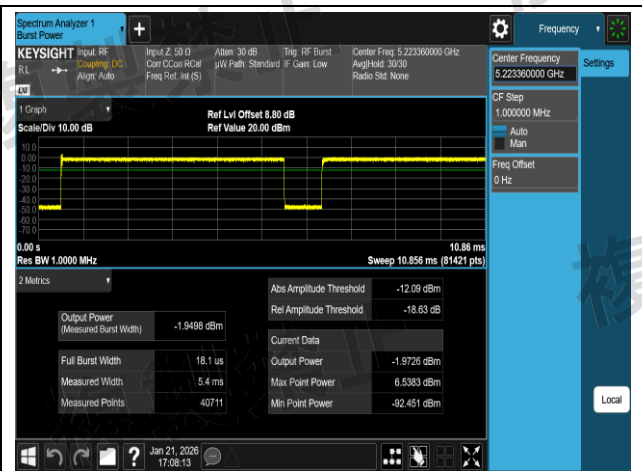
TEST PLOTS



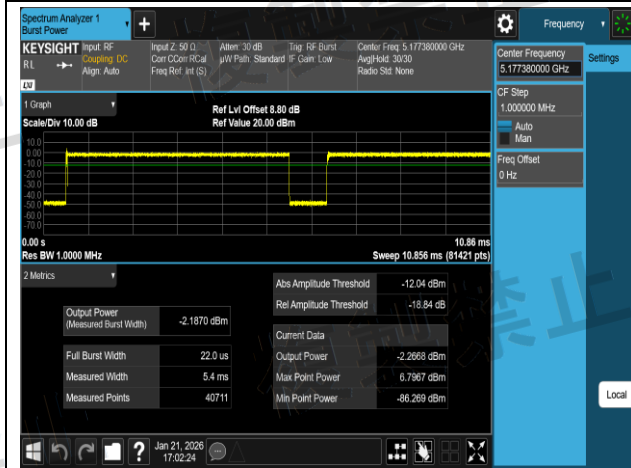




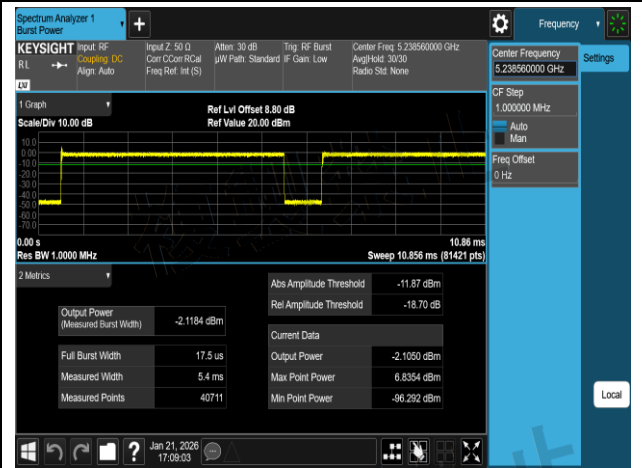
W52_802.11n_40MHz_Chain0_5190MHz



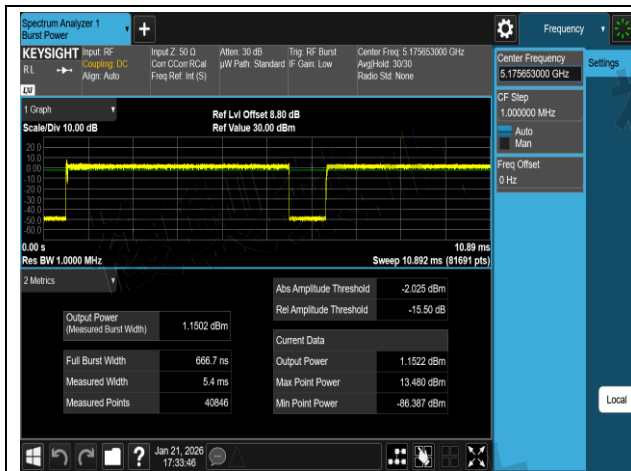
W52_802.11n_40MHz_Chain0_5230MHz



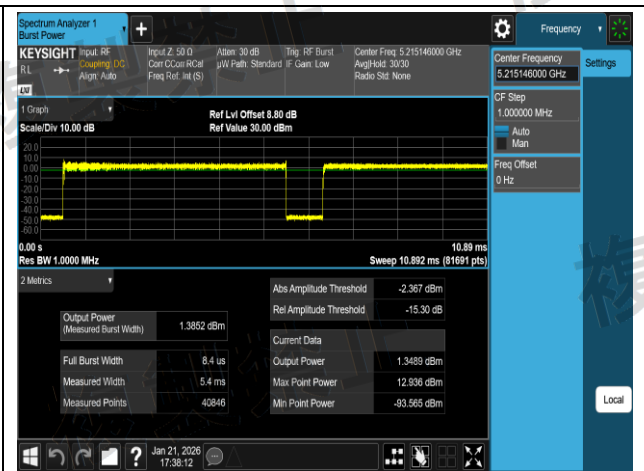
W52_802.11n_40MHz_Chain1_5190MHz



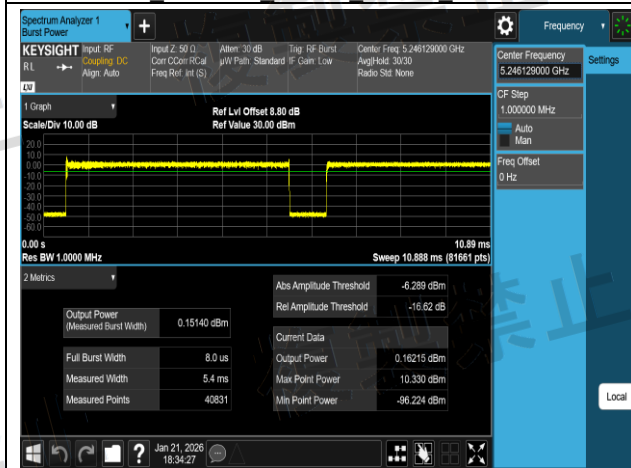
W52_802.11n_40MHz_Chain1_5230MHz



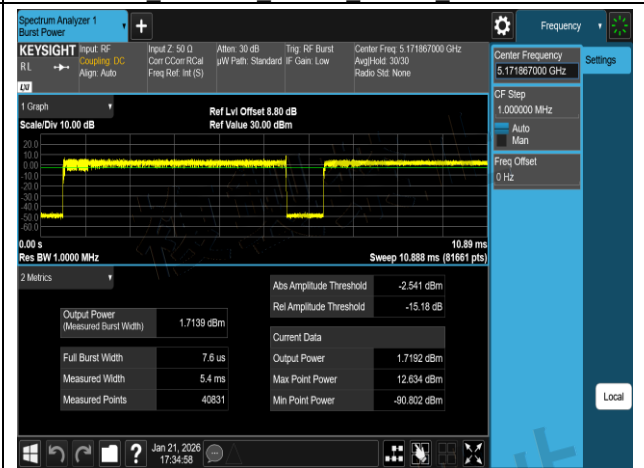
W52_802.11ax_20MHz_Chain0_5180MHz



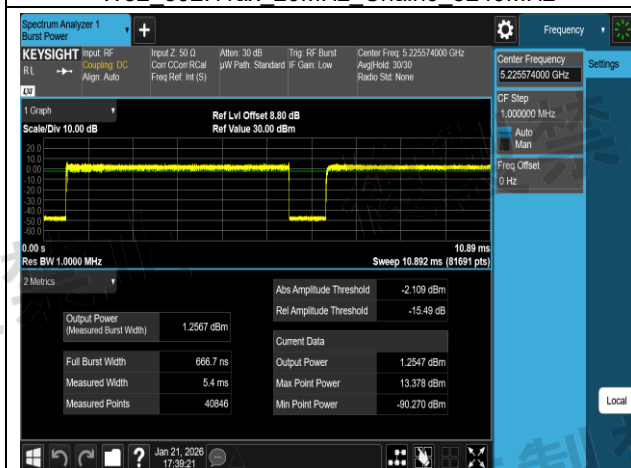
W52_802.11ax_20MHz_Chain0_5220MHz



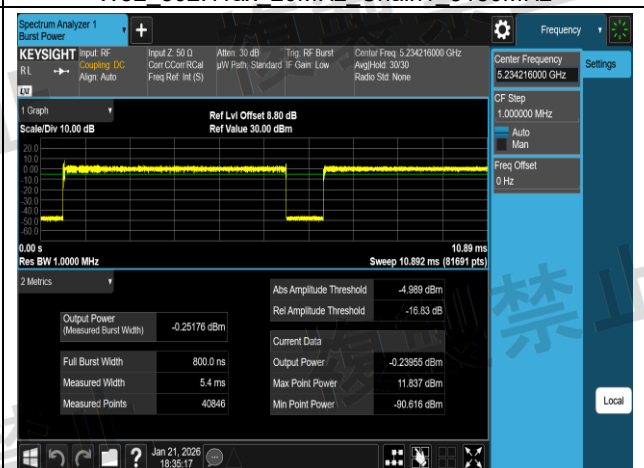
W52_802.11ax_20MHz_Chain0_5240MHz



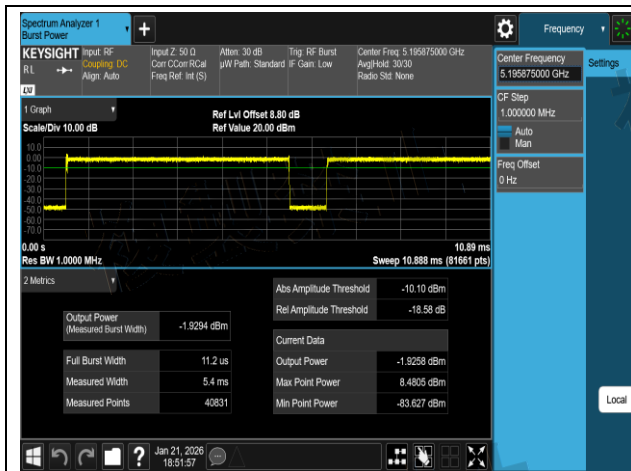
W52_802.11ax_20MHz_Chain1_5180MHz



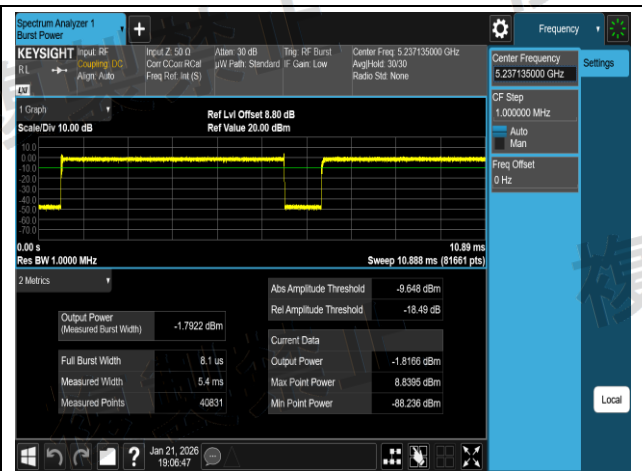
W52_802.11ax_20MHz_Chain1_5220MHz



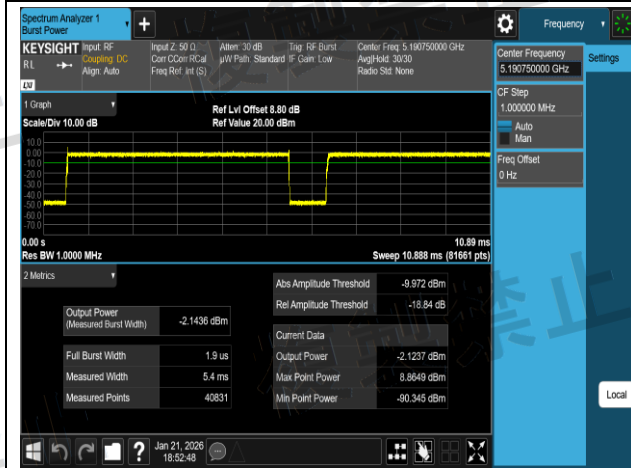
W52_802.11ax_20MHz_Chain1_5240MHz



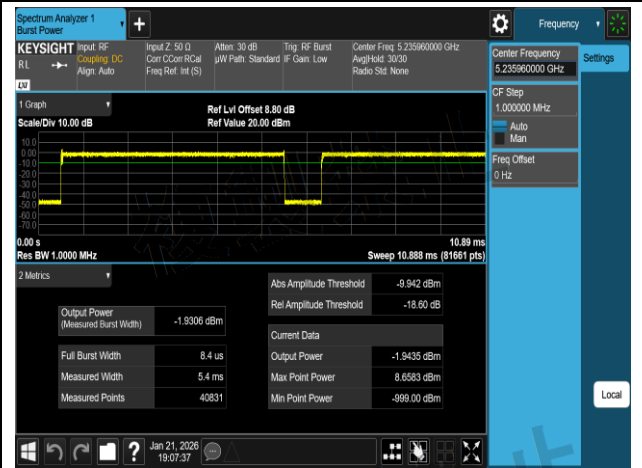
W52_802.11ax_40MHz_Chain0_5190MHz



W52_802.11ax_40MHz_Chain0_5230MHz



W52_802.11ax_40MHz_Chain1_5190MHz



W52_802.11ax_40MHz_Chain1_5230MHz

6.2 FREQUENCY TOLERANCE

Temperature: 21.5 ~ 25.5°C

Test date: January 20 ~ February 3, 2026

Humidity: 50 ~ 59% RH

Tested by: Marco Chan

TEST RESULT

Frequency Tolerance						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
Reading Frequency (Chain0)	MHz	5179.986	5219.982	5239.982	---	PASS
Frequency Tolerance (Chain0)	ppm	-2.7027	-3.4483	-3.4351	±20	
Reading Frequency (Chain1)	MHz	5179.985	5219.983	5239.982	---	PASS
Frequency Tolerance (Chain1)	ppm	-2.8958	-3.2567	-3.4351	±20	

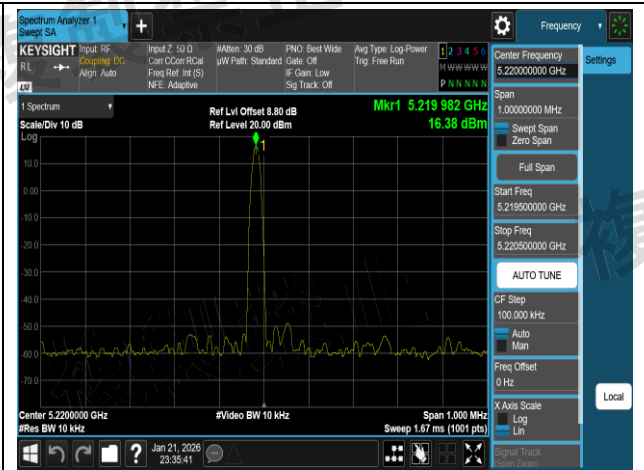
Frequency Tolerance						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
Reading Frequency (Chain0)	MHz	5179.985	5219.982	5239.982	---	PASS
Frequency Tolerance (Chain0)	ppm	-2.8958	-3.4483	-3.4351	±20	
Reading Frequency (Chain1)	MHz	5179.984	5219.983	5239.982	---	PASS
Frequency Tolerance (Chain1)	ppm	-3.0888	-3.2567	-3.4351	±20	

Frequency Tolerance						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
Reading Frequency (Chain0)	MHz	5189.982	5229.982	-	---	PASS
Frequency Tolerance (Chain0)	ppm	-3.4682	-3.4417	-	±20	
Reading Frequency (Chain1)	MHz	5189.982	5229.982	-	---	PASS
Frequency Tolerance (Chain1)	ppm	-3.4682	-3.4417	-	±20	

TEST PLOTS



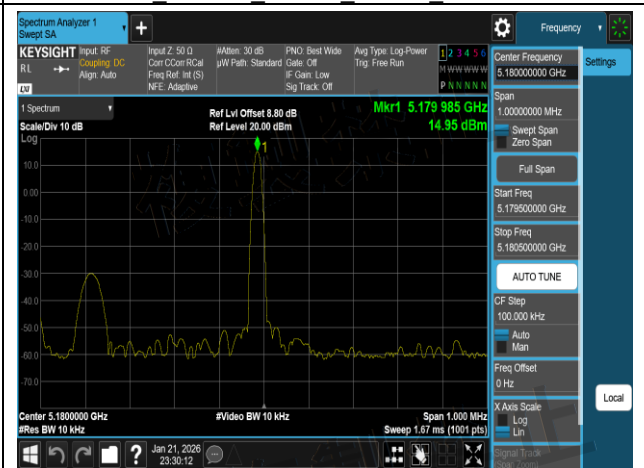
W52_802.11a_20MHz_Chain0_5180MHz



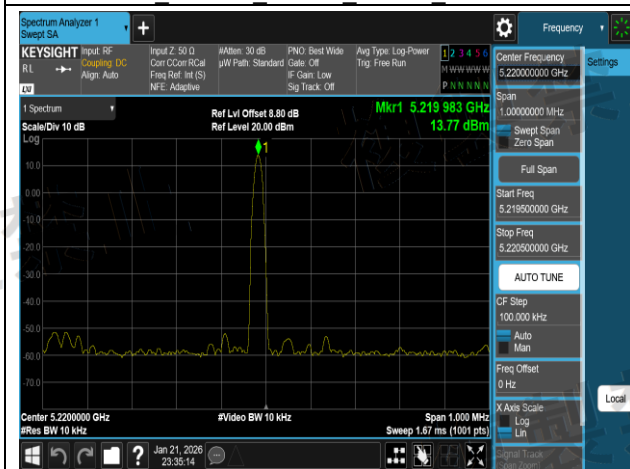
W52_802.11a_20MHz_Chain0_5220MHz



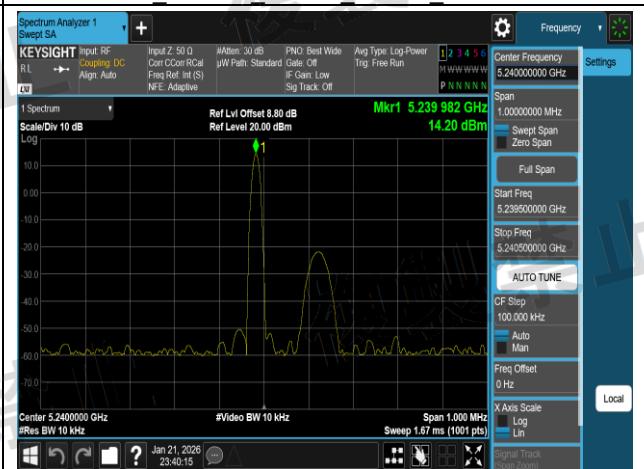
W52_802.11a_20MHz_Chain0_5240MHz



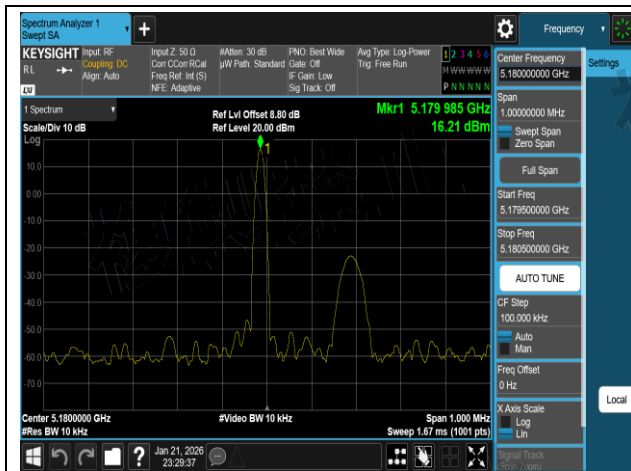
W52_802.11a_20MHz_Chain1_5180MHz



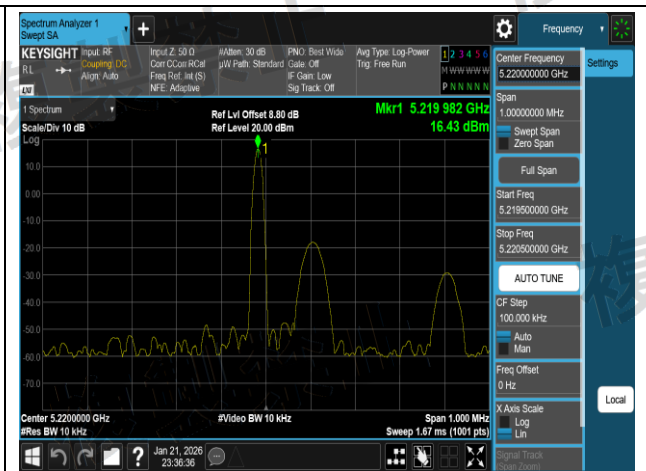
W52_802.11a_20MHz_Chain1_5220MHz



W52_802.11a_20MHz_Chain1_5240MHz



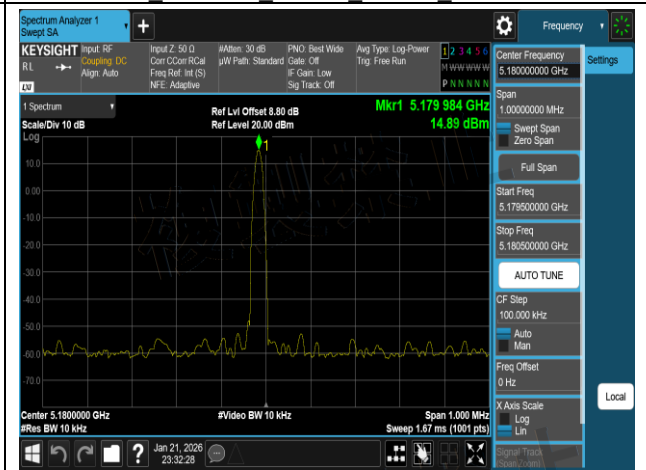
W52_802.11ax_20MHz_Chain0_5180MHz



W52_802.11ax_20MHz_Chain0_5220MHz



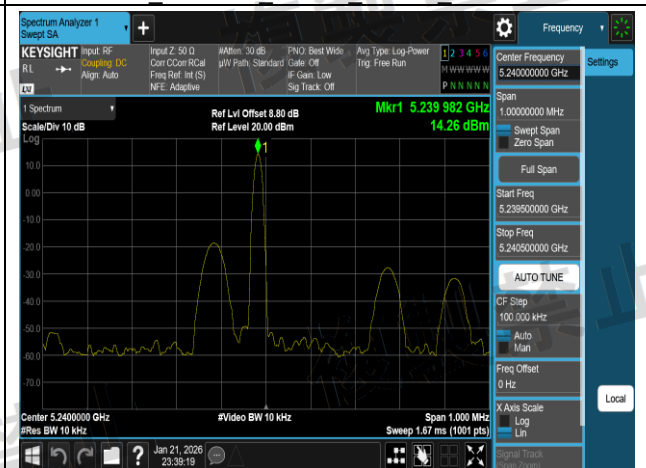
W52_802.11ax_20MHz_Chain0_5240MHz



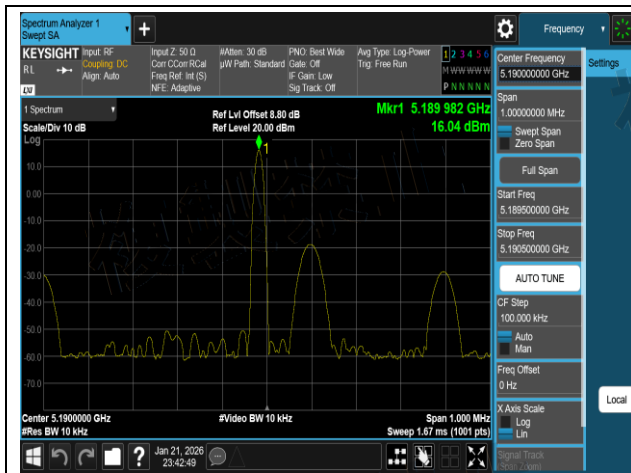
W52_802.11ax_20MHz_Chain1_5180MHz



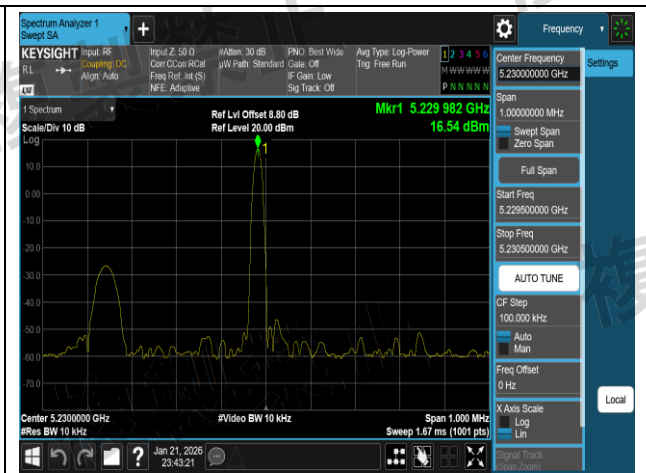
W52_802.11ax_20MHz_Chain1_5220MHz



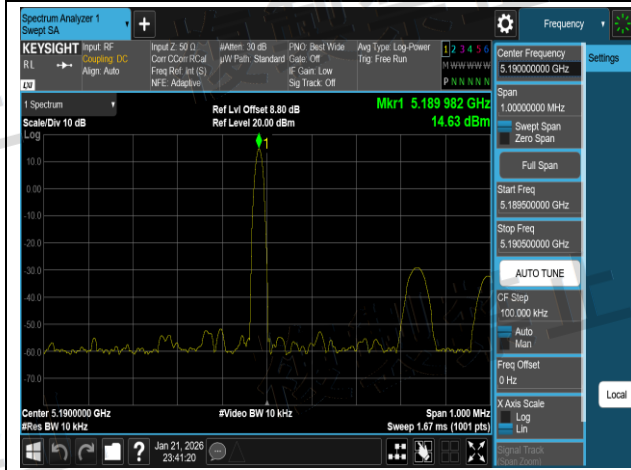
W52_802.11ax_20MHz_Chain1_5240MHz



W52_802.11ax_40MHz_Chain0_5190MHz



W52_802.11ax_40MHz_Chain0_5230MHz



W52_802.11ax_40MHz_Chain1_5190MHz



W52_802.11ax_40MHz_Chain1_5230MHz

6.3 OCCUPIED BANDWIDTH (99%)

Temperature: 21.5 ~ 25.5°C

Test date: January 20 ~ February 3, 2026

Humidity: 50 ~ 59% RH

Tested by: Marco Chan

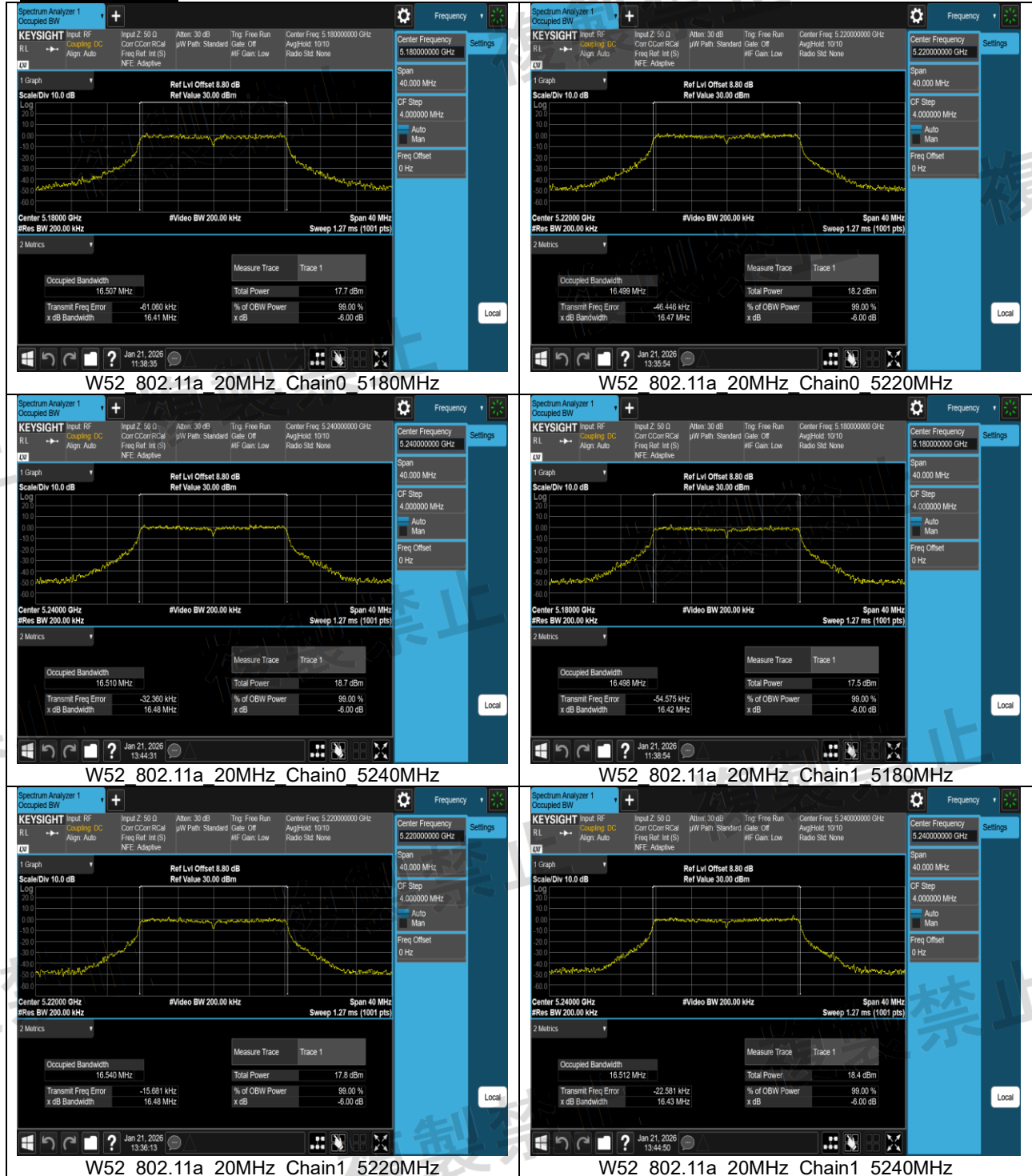
TEST RESULT

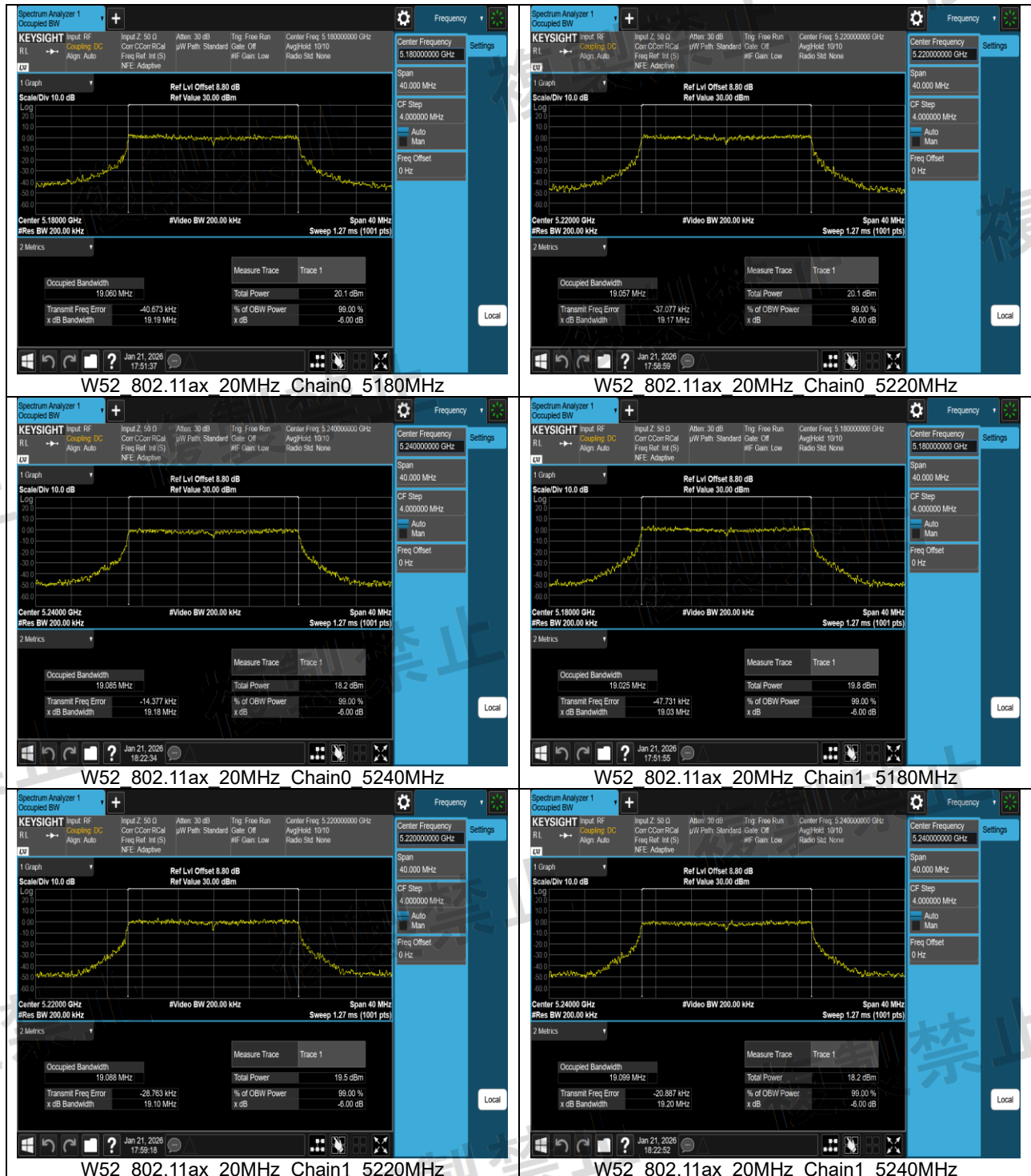
Occupied Bandwidth						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
Occupied Bandwidth (Chain0)	MHz	16.507	16.499	16.510	≤ 20	PASS
Occupied Bandwidth (Chain1)	MHz	16.498	16.540	16.512	≤ 20	PASS

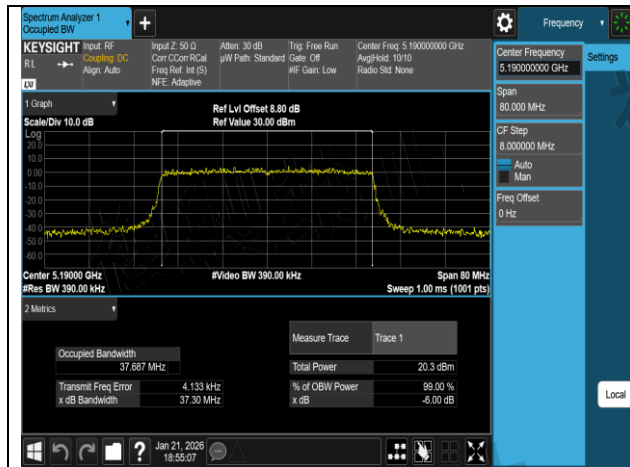
Occupied Bandwidth						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
Occupied Bandwidth (Chain0)	MHz	19.060	19.057	19.085	≤ 20	PASS
Occupied Bandwidth (Chain1)	MHz	19.025	19.088	19.099	≤ 20	PASS

Occupied Bandwidth						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
Occupied Bandwidth (Chain0)	MHz	37.687	37.645	-	≤ 40	PASS
Occupied Bandwidth (Chain1)	MHz	37.669	37.673	-	≤ 40	PASS

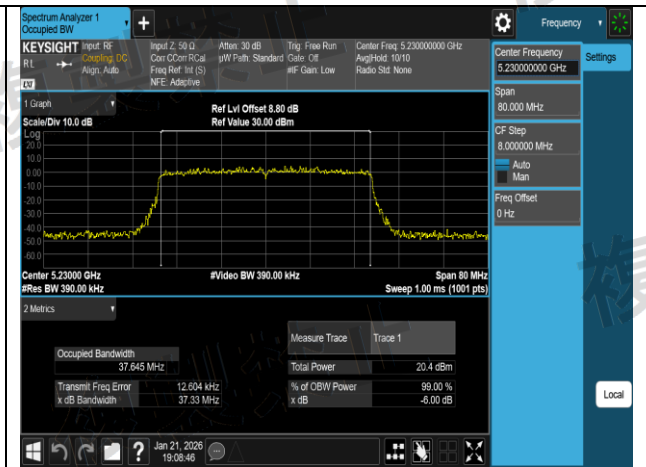
TEST PLOTS



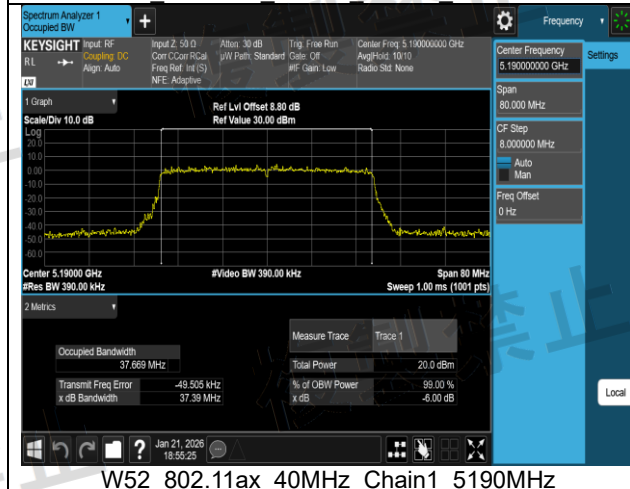




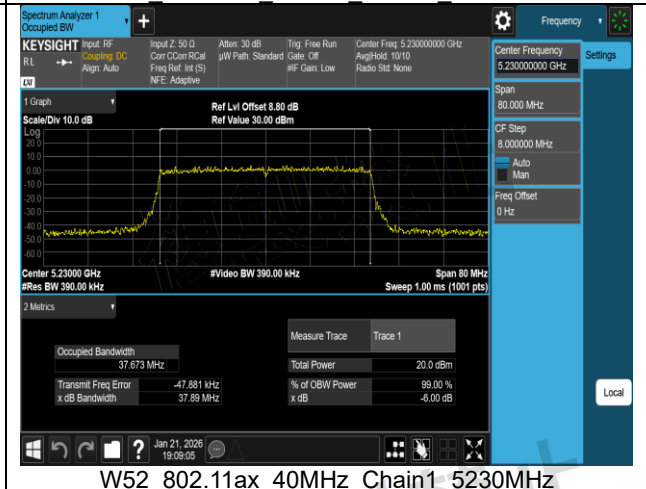
W52 802.11ax 40MHz Chain0 5190MHz



W52 802.11ax 40MHz Chain0 5230MHz



W52 802.11ax 40MHz Chain1 5190MHz



W52 802.11ax 40MHz Chain1 5230MHz

6.4 ADJACENT CHANNEL LEAKAGE POWER

Temperature: 21.5 ~ 25.5°C

Test date:

January 20 ~ February 3, 2026

Humidity: 50 ~ 59% RH

Tested by:

Marco Chan

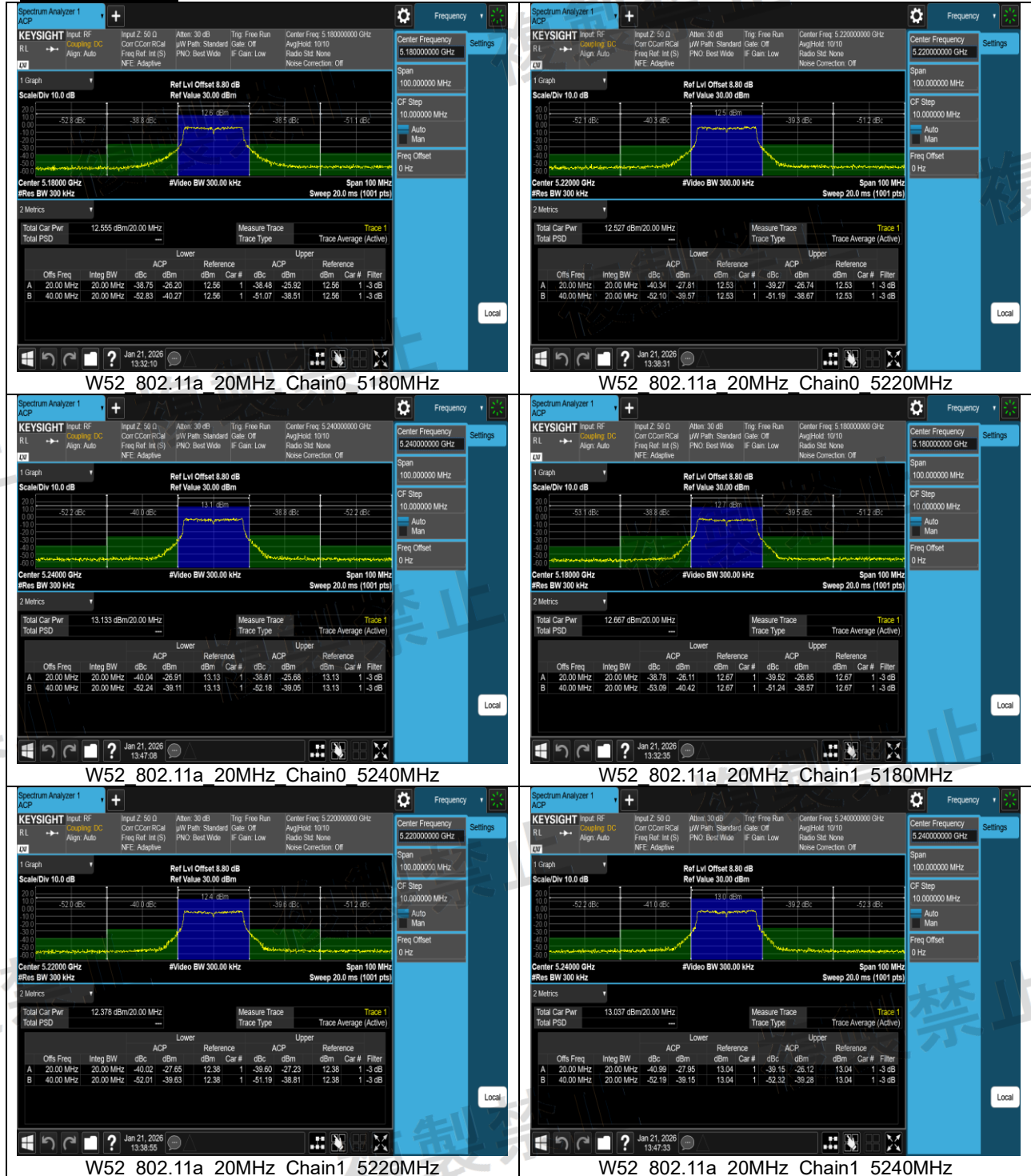
TEST RESULT

Adjacent Channel Leakage Power						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
CF-40MHz (±10MHz)(Chain0)	dBc	-52.83	-52.10	-52.24	≤ -40	PASS
CF-20MHz (±10MHz)(Chain0)	dBc	-38.75	-40.34	-40.04	≤ -25	PASS
CF+20MHz (±10MHz)(Chain0)	dBc	-38.48	-39.27	-38.81	≤ -25	PASS
CF+40MHz (±10MHz)(Chain0)	dBc	-51.07	-51.19	-52.18	≤ -40	PASS
CF-40MHz (±10MHz)(Chain1)	dBc	-53.09	-52.01	-52.19	≤ -40	PASS
CF-20MHz (±10MHz)(Chain1)	dBc	-38.78	-40.02	-40.99	≤ -25	PASS
CF+20MHz (±10MHz)(Chain1)	dBc	-39.52	-39.60	-39.15	≤ -25	PASS
CF+40MHz (±10MHz)(Chain1)	dBc	-51.24	-51.19	-52.32	≤ -40	PASS
CF-40MHz (±10MHz)(Chain0+Chain1)	dBc	-52.95	-52.05	-52.22	≤ -40	PASS
CF-20MHz (±10MHz)(Chain0+Chain1)	dBc	-38.76	-40.18	-40.49	≤ -25	PASS
CF+20MHz (±10MHz)(Chain0+Chain1)	dBc	-38.97	-39.43	-38.98	≤ -25	PASS
CF+40MHz (±10MHz)(Chain0+Chain1)	dBc	-51.15	-51.19	-52.25	≤ -40	PASS
Adjacent Channel Leakage Power(Combiner)						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
CF-40MHz (±10MHz)(Chain0+Chain1)	dBc	-50.33	-49.57	-49.30	≤ -40	PASS
CF-20MHz (±10MHz)(Chain0+Chain1)	dBc	-38.39	-38.49	-39.34	≤ -25	PASS
CF+20MHz (±10MHz)(Chain0+Chain1)	dBc	-39.55	-39.63	-38.88	≤ -25	PASS
CF+40MHz (±10MHz)(Chain0+Chain1)	dBc	-48.43	-48.63	-49.28	≤ -40	PASS

Adjacent Channel Leakage Power						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
CF-40MHz (± 10 MHz)(Chain0)	dBc	-53.90	-53.40	-50.97	$\geq$ -40	PASS
CF-20MHz (± 10 MHz)(Chain0)	dBc	-35.05	-37.28	-36.98	$\geq$ -25	PASS
CF+20MHz (± 10 MHz)(Chain0)	dBc	-36.85	-37.00	-35.87	$\geq$ -25	PASS
CF+40MHz (± 10 MHz)(Chain0)	dBc	-52.02	-52.51	-51.16	$\geq$ -40	PASS
CF-40MHz (± 10 MHz)(Chain1)	dBc	-53.69	-52.48	-50.67	$\geq$ -40	PASS
CF-20MHz (± 10 MHz)(Chain1)	dBc	-36.32	-37.26	-35.55	$\geq$ -25	PASS
CF+20MHz (± 10 MHz)(Chain1)	dBc	-37.36	-36.77	-35.20	$\geq$ -25	PASS
CF+40MHz (± 10 MHz)(Chain1)	dBc	-52.00	-51.58	-51.03	$\geq$ -40	PASS
CF-40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-53.80	-52.97	-50.82	$\geq$ -40	PASS
CF-20MHz (± 10 MHz)(Chain0+Chain1)	dBc	-35.62	-37.27	-36.23	$\geq$ -25	PASS
CF+20MHz (± 10 MHz)(Chain0+Chain1)	dBc	-37.09	-36.90	-35.53	$\geq$ -25	PASS
CF+40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-52.02	-52.07	-51.09	$\geq$ -40	PASS
Adjacent Channel Leakage Power(Combiner)						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
CF-40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-51.20	-50.72	-48.27	$\geq$ -40	PASS
CF-20MHz (± 10 MHz)(Chain0+Chain1)	dBc	-39.70	-41.00	-40.37	$\geq$ -25	PASS
CF+20MHz (± 10 MHz)(Chain0+Chain1)	dBc	-36.81	-39.10	-39.91	$\geq$ -25	PASS
CF+40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-49.32	-49.82	-48.44	$\geq$ -40	PASS

Adjacent Channel Leakage Power						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
CF-80MHz (± 20 MHz)(Chain0)	dBc	-50.79	-50.24	-	$\geq$ -40	PASS
CF-40MHz (± 20 MHz)(Chain0)	dBc	-44.19	-46.18	-	$\geq$ -25	PASS
CF+40MHz (± 20 MHz)(Chain0)	dBc	-43.73	-45.70	-	$\geq$ -25	PASS
CF+80MHz (± 20 MHz)(Chain0)	dBc	-48.92	-49.88	-	$\geq$ -40	PASS
CF-80MHz (± 20 MHz)(Chain1)	dBc	-50.64	-50.00	-	$\geq$ -40	PASS
CF-40MHz (± 20 MHz)(Chain1)	dBc	-46.16	-44.89	-	$\geq$ -25	PASS
CF+40MHz (± 20 MHz)(Chain1)	dBc	-45.64	-45.57	-	$\geq$ -25	PASS
CF+80MHz (± 20 MHz)(Chain1)	dBc	-48.85	-49.63	-	$\geq$ -40	PASS
CF-80MHz (± 10 MHz)(Chain0+Chain1)	dBc	-50.72	-50.13	-	$\geq$ -40	PASS
CF-40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-45.04	-45.51	-	$\geq$ -25	PASS
CF+40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-44.56	-45.64	-	$\geq$ -25	PASS
CF+80MHz (± 10 MHz)(Chain0+Chain1)	dBc	-48.89	-49.75	-	$\geq$ -40	PASS
Adjacent Channel Leakage Power(Combiner)						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
CF-80MHz (± 10 MHz)(Chain0+Chain1)	dBc	-47.94	-47.30	-	$\geq$ -40	PASS
CF-40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-45.17	-45.15	-	$\geq$ -25	PASS
CF+40MHz (± 10 MHz)(Chain0+Chain1)	dBc	-44.28	-44.72	-	$\geq$ -25	PASS
CF+80MHz (± 10 MHz)(Chain0+Chain1)	dBc	-46.32	-47.22	-	$\geq$ -40	PASS

TEST PLOTS

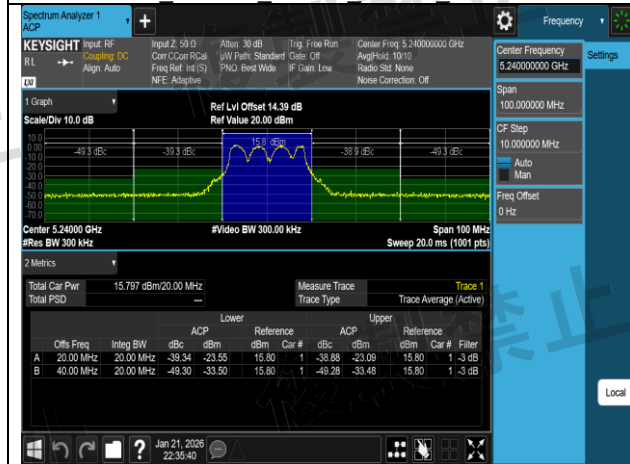




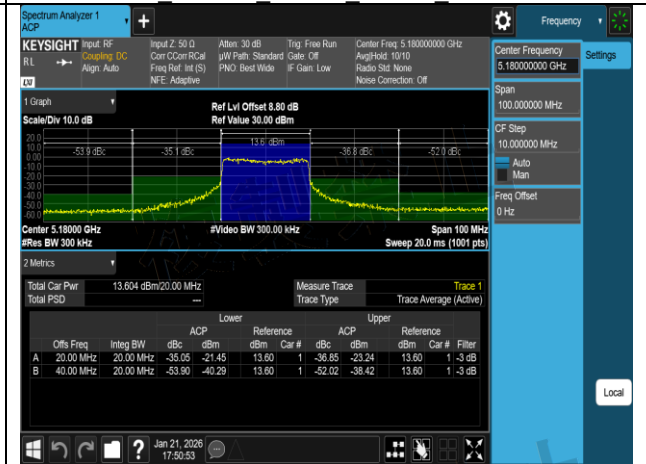
W52 802.11a 20MHz Chain0 Combine



W52 802.11a 20MHz Chain0 Combine



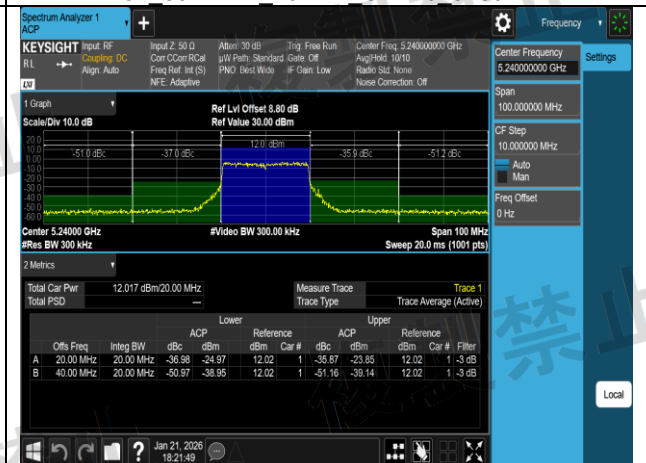
W52 802.11a 20MHz Chain0 Combine



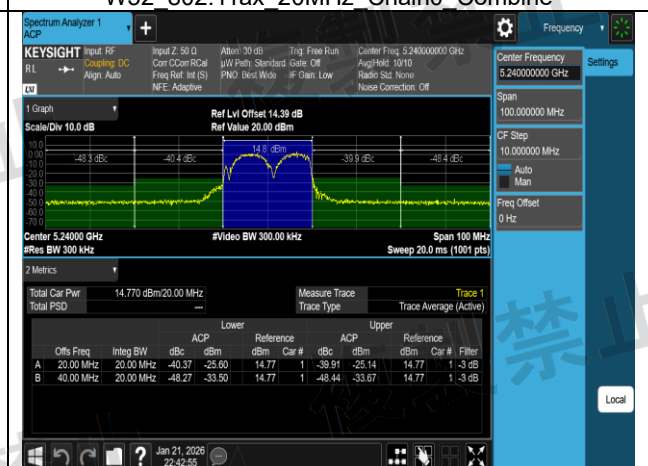
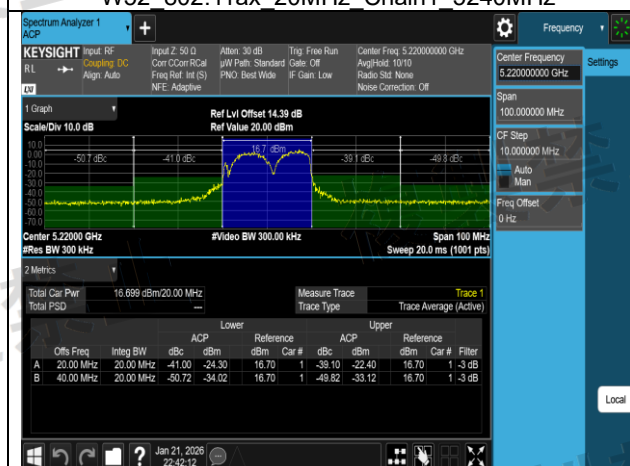
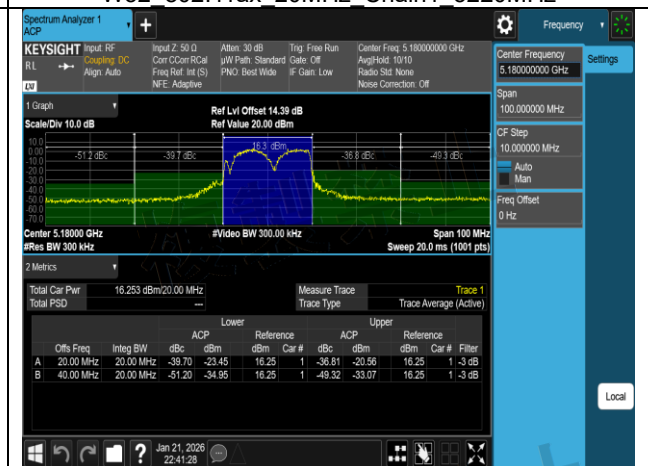
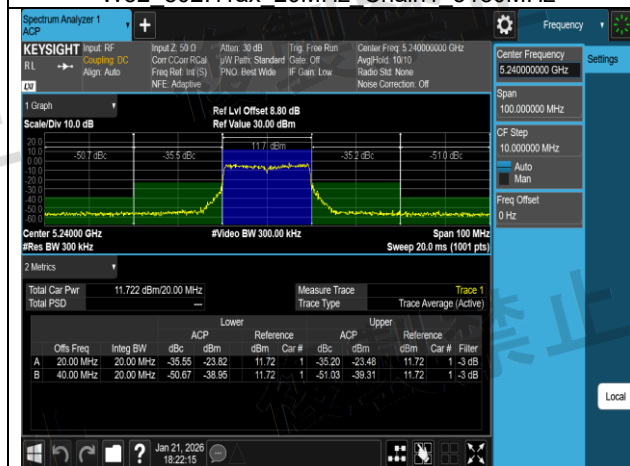
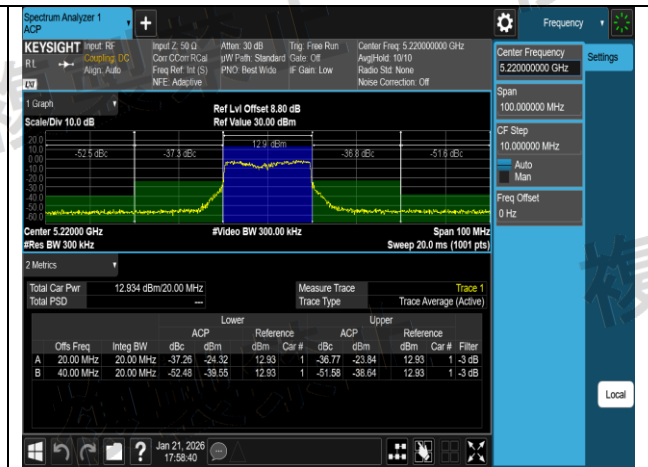
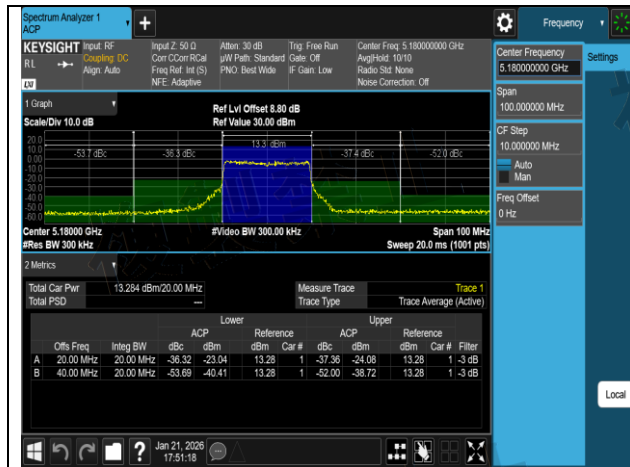
W52 802.11ax 20MHz Chain0 5180MHz

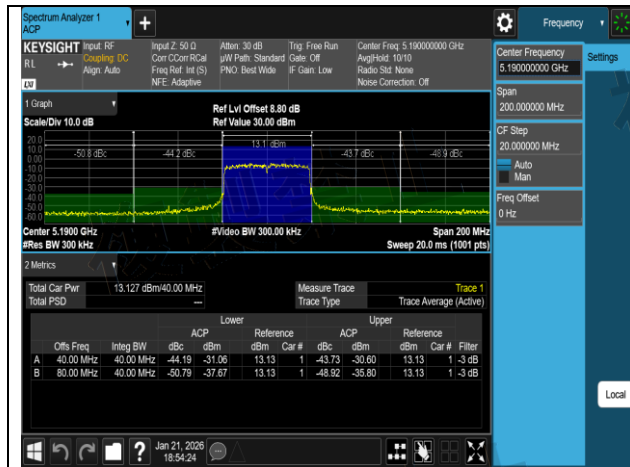


W52 802.11ax 20MHz Chain0 5220MHz

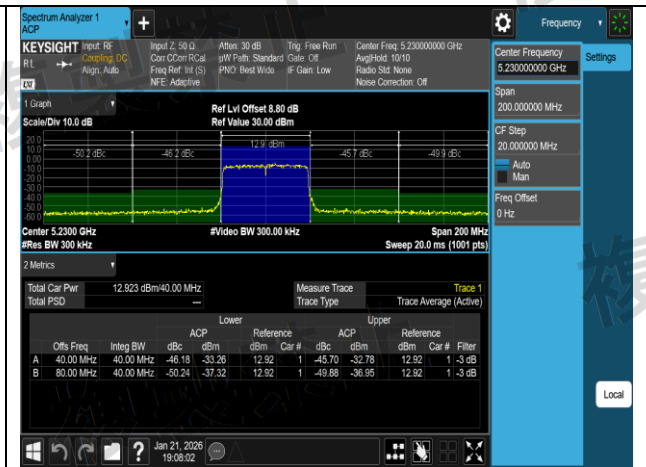


W52 802.11ax 20MHz Chain0 5240MHz





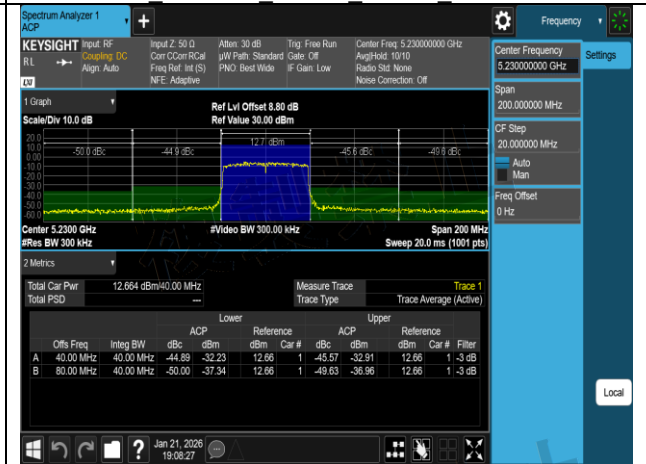
W52 802.11ax 40MHz Chain0 5190MHz



W52 802.11ax 40MHz Chain0 5230MHz



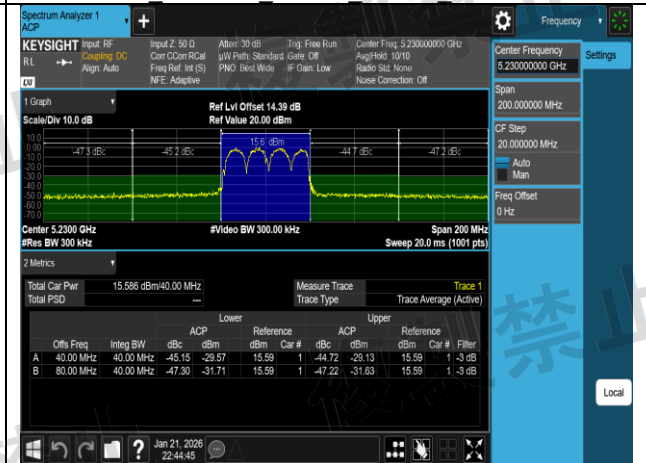
W52 802.11ax 40MHz Chain1 5190MHz



W52 802.11ax 40MHz Chain1 5230MHz



W52 802.11ax 40MHz Chain0 Combine



W52 802.11ax 40MHz Chain0 Combine

6.5 OUT-BAND LEAKAGE POWER & UNWANTED EMISSION STRENGTH

Temperature: 21.5 ~ 25.5°C

Test date: January 20 ~ February 3, 2026

Humidity: 50 ~ 59% RH

Tested by: Marco Chan

TEST RESULT

Unwanted Emission Strength						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
30 ~ 5142MHz(Chain 0)	μW/MHz	0.0757	0.0908	0.0811	≤ 1.250	PASS
	MHz	3816.0	4037.5	4058.4	---	---
5142 ~ 5150MHz(Chain 0)	μW/MHz	0.1102	0.0566	0.0590	≤ 7.500	PASS
	MHz	5149.58	5147.87	5145.95	---	---
5250 ~ 5251MHz(Chain 0)	μW/MHz	0.0815	0.0713	2.7227	≤ 50 ~ 500	PASS
	MHz	5250.929	5250.996	5250.980	---	---
	Limit	58.88	50.46	52.36	---	---
5251 ~ 5260MHz(Chain 0)	μW/MHz	0.0748	0.1046	1.8707	≤ 7.93 ~ 50	PASS
	MHz	5259.06	5258.78	5251.016700	---	---
	Limit	9.61	10.17	49.83	---	---
5260 ~ 5266.7MHz(Chain 0)	μW/MHz	0.0710	0.0626	0.1398	≤ 1.25 ~ 7.93	PASS
	MHz	5266.08	5266.24	5266.24	---	---
	Limit	1.48	1.41	1.41	---	---
5266.7 ~ 26000MHz(Chain 0)	μW/MHz	0.2060	0.2096	0.1845	≤ 1.250	PASS
	MHz	25615	24005	25877	---	---

Unwanted Emission Strength						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
30 ~ 5142MHz(Chain 1)	μW/MHz	0.0711	0.0695	0.0783	≤ 1.250	PASS
	MHz	4984.5	3831.8	3779.2	---	---
5142 ~ 5150MHz(Chain 1)	μW/MHz	0.0764	0.0580	0.0539	≤ 7.500	PASS
	MHz	5148.22	5145.84	5149.81	---	---
5250 ~ 5251MHz(Chain 1)	μW/MHz	0.0753	0.1011	1.9099	≤ 50 ~ 500	PASS
	MHz	5250.999	5251.00	5250.920	---	---
	Limit	50.12	50.00	60.11	---	---
5251 ~ 5260MHz(Chain 1)	μW/MHz	0.0664	0.0673	2.5293	≤ 7.93 ~ 50	PASS
	MHz	5259.73	5259.90	5251.065144	---	---
	Limit	8.37	8.09	49.34	---	---
5260 ~ 5266.7MHz(Chain 1)	μW/MHz	0.0671	0.0796	0.0946	≤ 1.25 ~ 7.93	PASS
	MHz	5266.60	5266.60	5266.46	---	---
	Limit	1.28	1.28	1.33	---	---
5266.7 ~ 26000MHz(Chain 1)	μW/MHz	0.2115	0.2296	0.2529	≤ 1.250	PASS
	MHz	24404	25815	25852	---	---

Unwanted Emission Strength (Total)						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
30 ~ 5142MHz	μW/MHz	0.1468	0.1603	0.1594	≤ 2.500	PASS
	MHz	3816.00	4037.50	4058.40	---	---
5142 ~ 5150MHz	μW/MHz	0.1867	0.1146	0.1129	≤ 15.000	PASS
	MHz	5149.58	5145.84	5145.95	---	---
5250 ~ 5251MHz	μW/MHz	0.1568	0.1724	4.6326	≤ 100 ~ 1000	PASS
	MHz	5250.93	5251.00	5250.98	---	---
	Limit	117.76	100.00	104.71	---	---
5251 ~ 5260MHz	μW/MHz	0.1412	0.1719	4.4000	≤ 15.85 ~ 100	PASS
	MHz	5259.06	5258.78	5251.07	---	---
	Limit	19.21	20.34	98.68	---	---
5260 ~ 5266.7MHz	μW/MHz	0.1381	0.1422	0.2344	≤ 2.49 ~ 15.85	PASS
	MHz	5266.08	5266.60	5266.24	---	---
	Limit	2.95	2.56	2.83	---	---
5266.7 ~ 26000MHz	μW/MHz	0.4176	0.4392	0.4374	≤ 2.500	PASS
	MHz	24403.98	25815.00	25852.00	---	---

Unwanted Emission Strength						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
30 ~ 5142MHz(Chain 0)	μW/MHz	0.0757	0.0731	0.0887	≤ 1.250	PASS
	MHz	3804.2	4065.0	3844.0	---	---
5142 ~ 5150MHz(Chain 0)	μW/MHz	0.1431	0.0536	0.0541	≤ 7.500	PASS
	MHz	5149.05	5142.12	5143.56	---	---
5250 ~ 5250.2MHz(Chain 0)	μW/MHz	0.0808	0.1373	32.8095	≤ 315.48 ~ 1077.22	PASS
	MHz	5250.946	5250.926	5250.542000	---	---
	Limit	3.23	3.66	38.63	---	---
5250.2 ~ 5251MHz(Chain 0)	μW/MHz	0.0945	0.1248	3.7068	≤ 50 ~ 315.48	PASS
	MHz	5250.902	5250.966	5251.005589	---	---
	Limit	62.66	54.07	49.36	---	---
5251 ~ 5260MHz(Chain 0)	μW/MHz	0.0594	0.0728	0.1559	≤ 7.93 ~ 50	PASS
	MHz	5266.26	5266.66	5266.23	---	---
	Limit	2.20	2.03	2.21	---	---
5260 ~ 5266.7MHz(Chain 0)	μW/MHz	0.0660	0.0756	0.1327	≤ 1.25 ~ 7.93	PASS
	MHz	5266.42	5266.47	5266.47	---	---

Unwanted Emission Strength						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
30 ~ 5142MHz(Chain 1)	μW/MHz	0.0724	0.0778	0.0728	≤ 1.250	PASS
	MHz	3809.1	3804.8	3796.2	---	---
5142 ~ 5150MHz(Chain 1)	μW/MHz	0.1011	0.0713	0.0570	≤ 7.500	PASS
	MHz	5144.92	5143.20	5146.87	---	---
5250 ~ 5250.2MHz(Chain 1)	μW/MHz	0.0819	0.1197	191.4256	≤ 315.48 ~ 1077.22	PASS
	MHz	5250.960	5250.986	5250.239000	---	---
	Limit	2.97	2.53	248.30	---	---
5250.2 ~ 5251MHz(Chain 1)	μW/MHz	0.0775	0.0952	3.2509	≤ 50 ~ 315.48	PASS
	MHz	5250.977	5251.000	5251.033333	---	---
	Limit	52.72	50.00	46.31	---	---
5251 ~ 5260MHz(Chain 1)	μW/MHz	0.0741	0.0563	0.1557	≤ 7.93 ~ 50	PASS
	MHz	5266.11	5266.32	5266.43	---	---
	Limit	2.27	2.17	2.13	---	---
5260 ~ 5266.7MHz(Chain 1)	μW/MHz	0.0574	0.0852	0.2690	≤ 1.25 ~ 7.93	PASS
	MHz	5266.64	5266.17	5263.38	---	---

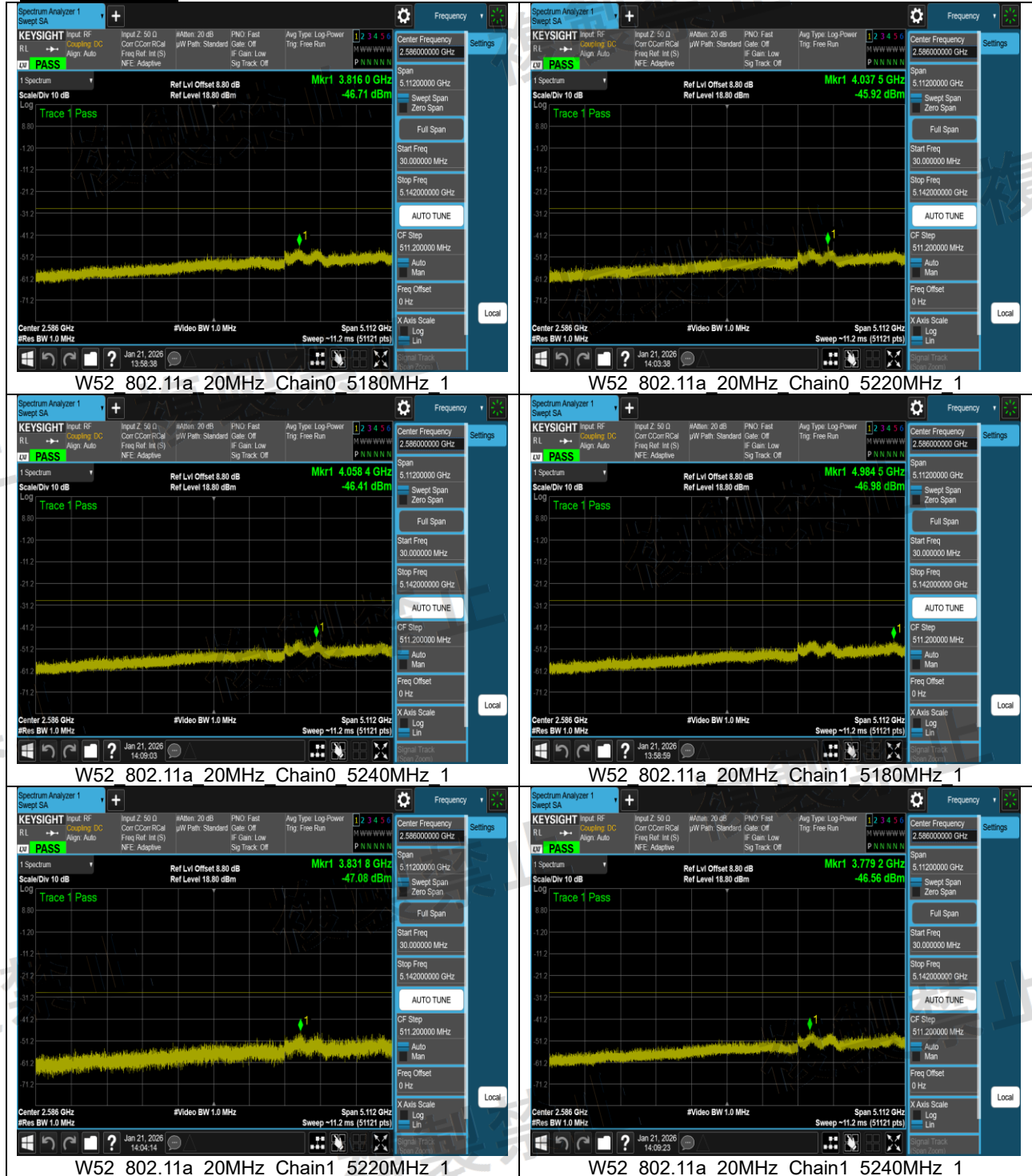
Unwanted Emission Strength (Total)						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
30 ~ 5142MHz	μW/MHz	0.1481	0.1509	0.1615	≤ 2.500	PASS
	MHz	3804.20	3804.80	3844.00	---	---
5142 ~ 5150MHz	μW/MHz	0.2442	0.1249	0.1111	≤ 15.000	PASS
	MHz	5149.05	5143.20	5146.87	---	---
5250 ~ 5250.2MHz	μW/MHz	0.1627	0.2570	224.2351	≤ 630.96 ~ 2154.43	PASS
	MHz	5250.96	5250.93	5250.24	---	---
	Limit	5.93	7.31	496.59	---	---
5250.2 ~ 5251MHz	μW/MHz	0.1720	0.2200	6.9577	≤ 100 ~ 630.96	PASS
	MHz	5250.90	5250.97	5251.01	---	---
	Limit	125.31	108.14	98.72	---	---
5251 ~ 5260MHz	μW/MHz	0.1334	0.1292	0.3116	≤ 15.85 ~ 100	PASS
	MHz	5266.11	5266.66	5266.23	---	---
	Limit	4.54	4.06	4.43	---	---
5260 ~ 5266.7MHz	μW/MHz	0.1234	0.1607	0.4017	≤ 2.49 ~ 15.85	PASS
	MHz	5266.42	5266.17	5263.38	---	---

Unwanted Emission Strength						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
30 ~ 5141.6MHz(Chain 0)	μW/MHz	0.0927	0.0730	-	≤ 1.250	PASS
	MHz	5133.7	3819.5	-	---	---
5141.6 ~ 5150MHz(Chain 0)	μW/MHz	0.4862	0.0790	-	≤ 7.500	PASS
	MHz	5148.23	5146.85	-	---	---
5250 ~ 5251MHz(Chain 0)	μW/MHz	0.1051	11.9399	-	≤ 25 ~ 250	PASS
	MHz	5250.970	5250.084000	-	---	---
	Limit	26.79	206.03	-	---	---
5251 ~ 5270MHz(Chain 0)	μW/MHz	0.0716	0.3243	-	≤ 3.96 ~ 25	PASS
	MHz	5266.93	5251.026632	-	---	---
	Limit	5.34	---	-	---	---
5270 ~ 5278.4MHz(Chain 0)	μW/MHz	0.0749	0.1210	-	≤ 1.24 ~ 3.96	PASS
	MHz	5277.99	5277.53	-	---	---
	Limit	1.31	1.40	-	---	---
5278.4 ~ 26000MHz(Chain 0)	μW/MHz	0.1972	0.1811	-	≤ 1.250	PASS
	MHz	24673	25906	-	---	---

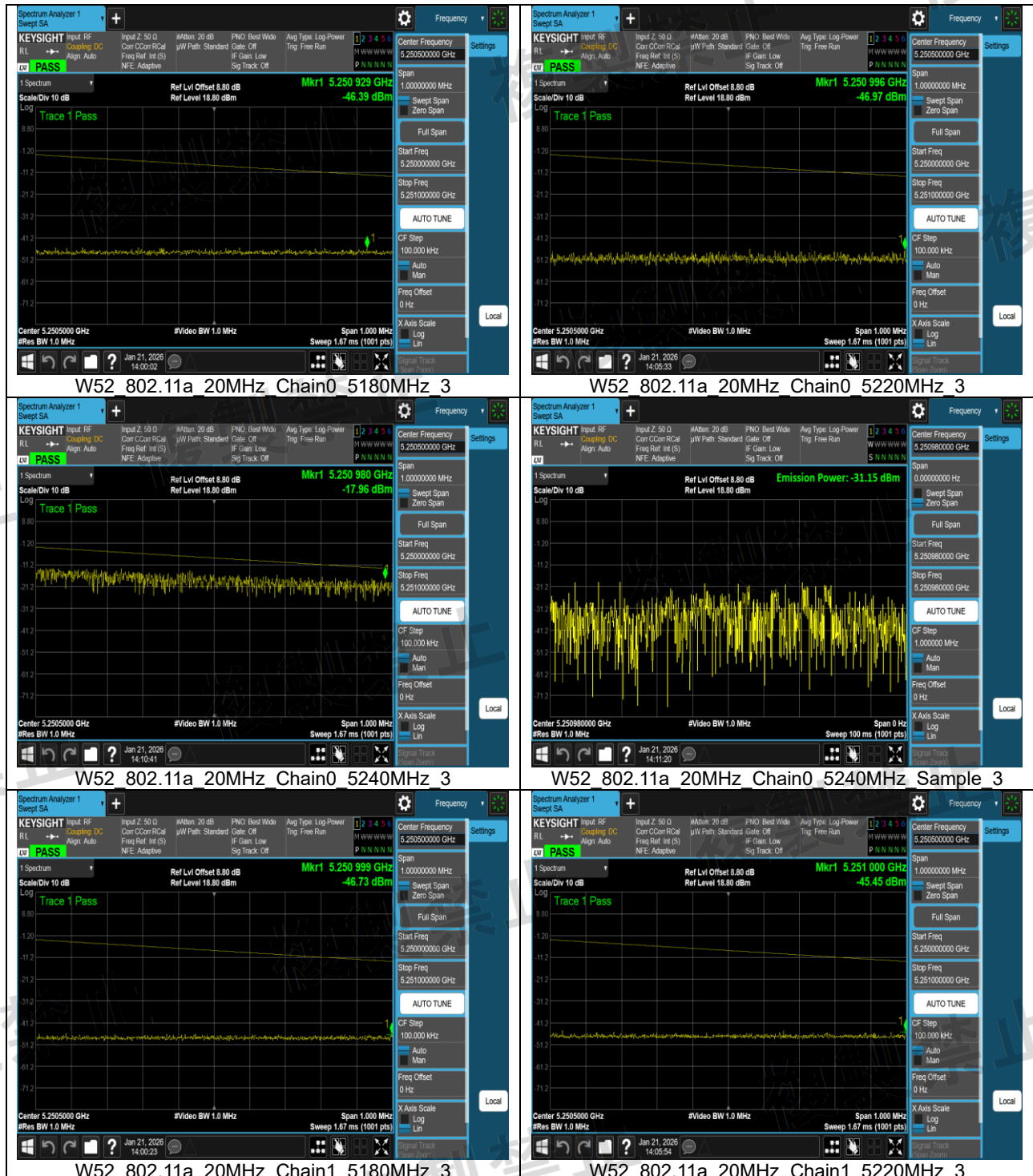
Unwanted Emission Strength						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
30 ~ 5141.6MHz(Chain 1)	μW/MHz	0.0726	0.0668	-	≤ 1.250	PASS
	MHz	4973.3	4993.2	-	---	---
5141.6 ~ 5150MHz(Chain 1)	μW/MHz	0.4523	0.0634	-	≤ 7.500	PASS
	MHz	5145.08	5143.60	-	---	---
5250 ~ 5251MHz(Chain 1)	μW/MHz	0.0845	10.2329	-	≤ 25 ~ 250	PASS
	MHz	5250.974	5250.078	-	---	---
	Limit	26.54	208.90	-	---	---
5251 ~ 5270MHz(Chain 1)	μW/MHz	0.0559	0.1845	-	≤ 3.96 ~ 25	PASS
	MHz	5268.93	5251.36	-	---	---
	Limit	4.40	24.14	-	---	---
5270 ~ 5278.4MHz(Chain 1)	μW/MHz	0.0680	0.2700	-	≤ 1.24 ~ 3.96	PASS
	MHz	5276.80	5272.19	-	---	---
	Limit	1.55	2.93	-	---	---
5278.4 ~ 26000MHz(Chain 1)	μW/MHz	0.2272	0.1909	-	≤ 1.250	PASS
	MHz	25954	25833	-	---	---

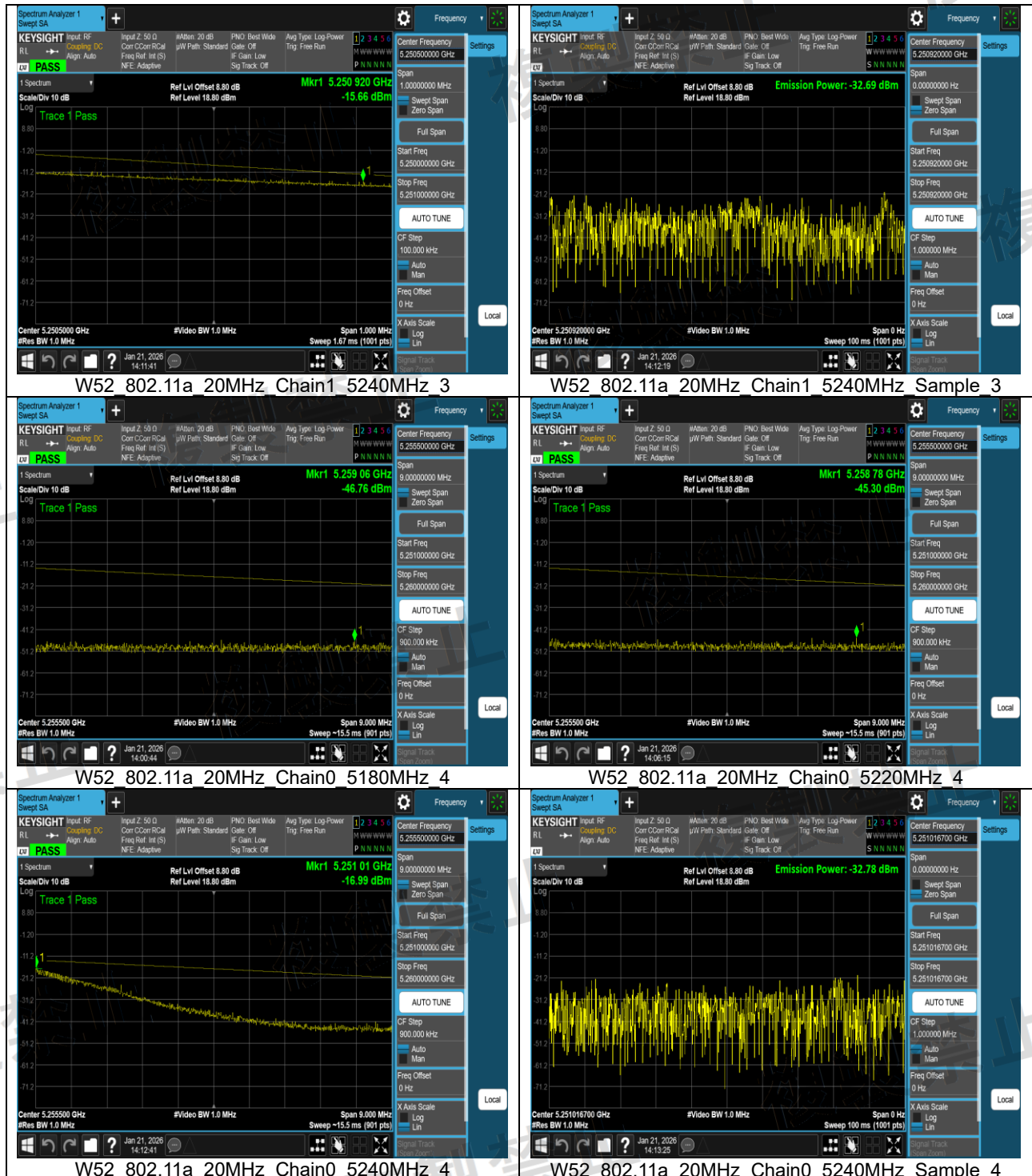
Unwanted Emission Strength (Total)						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
30 ~ 5141.6MHz	μ W/MHz	0.1653	0.1398	-	$\leq$ 2.500	PASS
	MHz	5133.70	3819.50	-	---	---
5141.6 ~ 5150MHz	μ W/MHz	0.9385	0.1424	-	$\leq$ 15.000	PASS
	MHz	5148.23	5146.85	-	---	---
5250 ~ 5251MHz	μ W/MHz	0.1896	22.1728	-	$\leq$ 50 ~ 500	PASS
	MHz	5250.97	5250.08	-	---	---
	Limit	53.58	412.07	-	---	---
5251 ~ 5270MHz	μ W/MHz	0.1275	0.5088	-	$\leq$ 7.92 ~ 50	PASS
	MHz	5266.93	5251.03	-	---	---
	Limit	10.67	49.87	-	---	---
5270 ~ 5278.4MHz	μ W/MHz	0.1429	0.3910	-	$\leq$ 2.48 ~ 7.92	PASS
	MHz	5277.99	5272.19	-	---	---
	Limit	2.63	5.86	-	---	---
5278.4 ~ 26000MHz	μ W/MHz	0.4244	0.3719	-	$\leq$ 2.500	PASS
	MHz	25954.00	25833.00	-	---	---

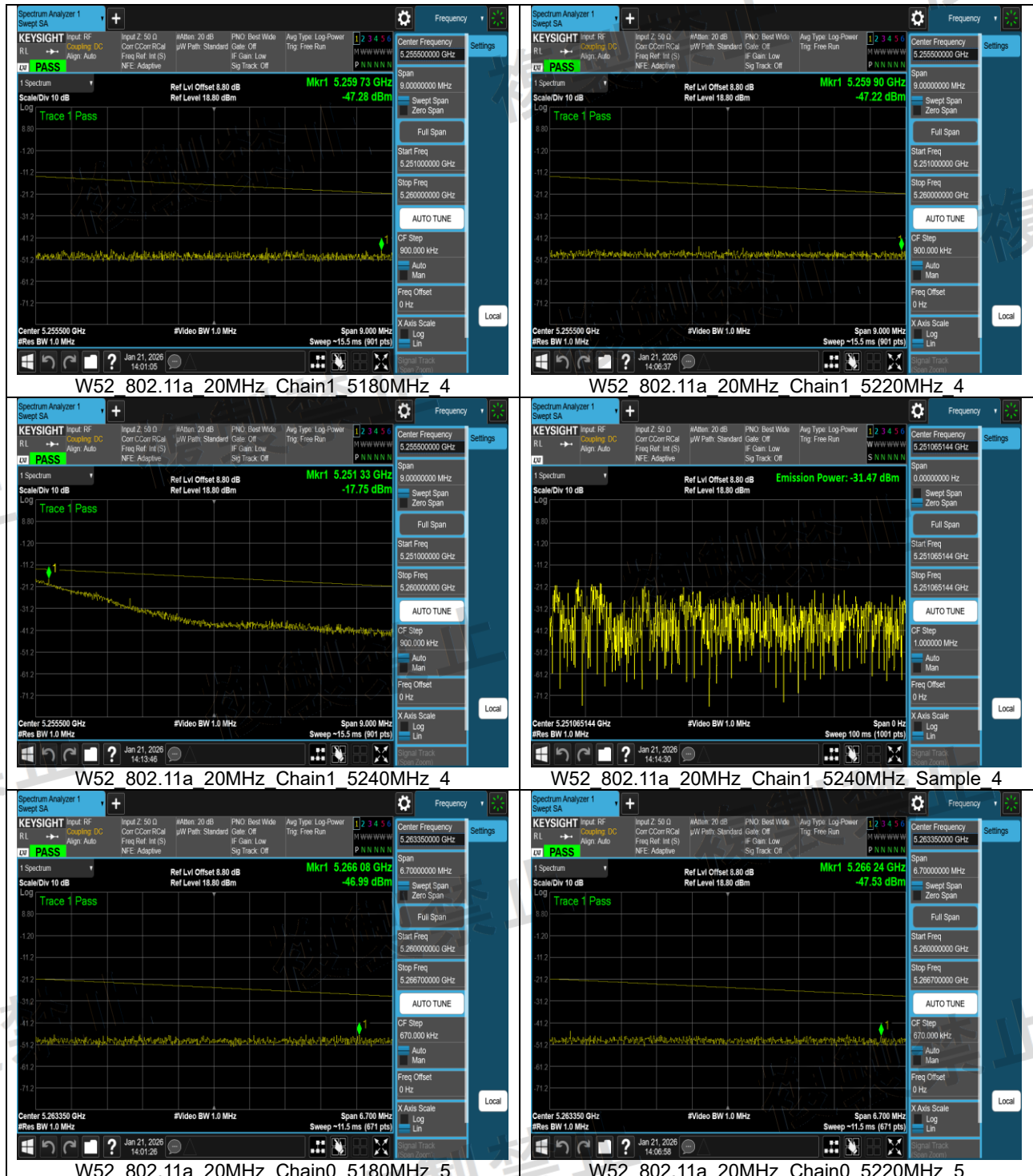
TEST PLOTS

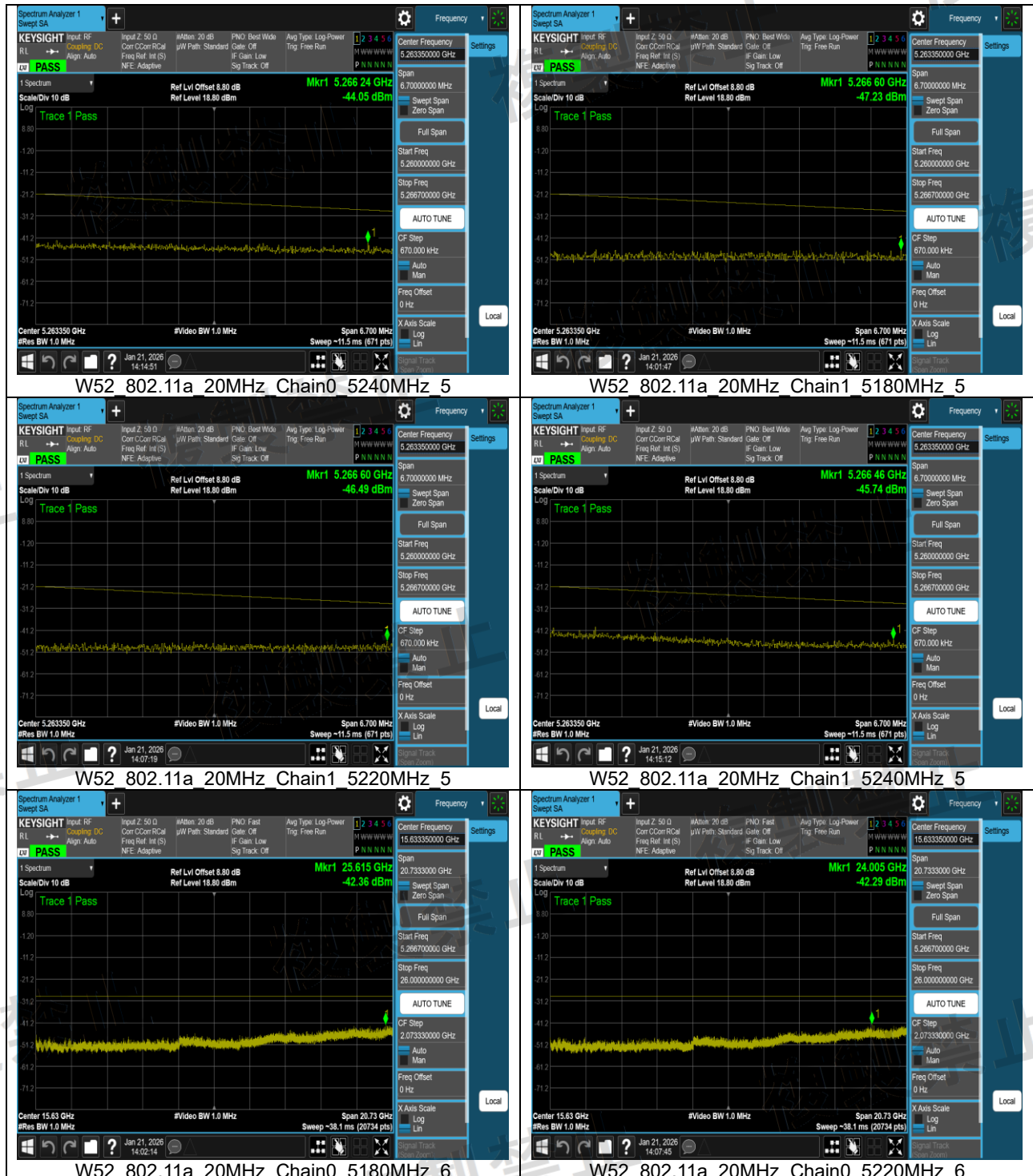


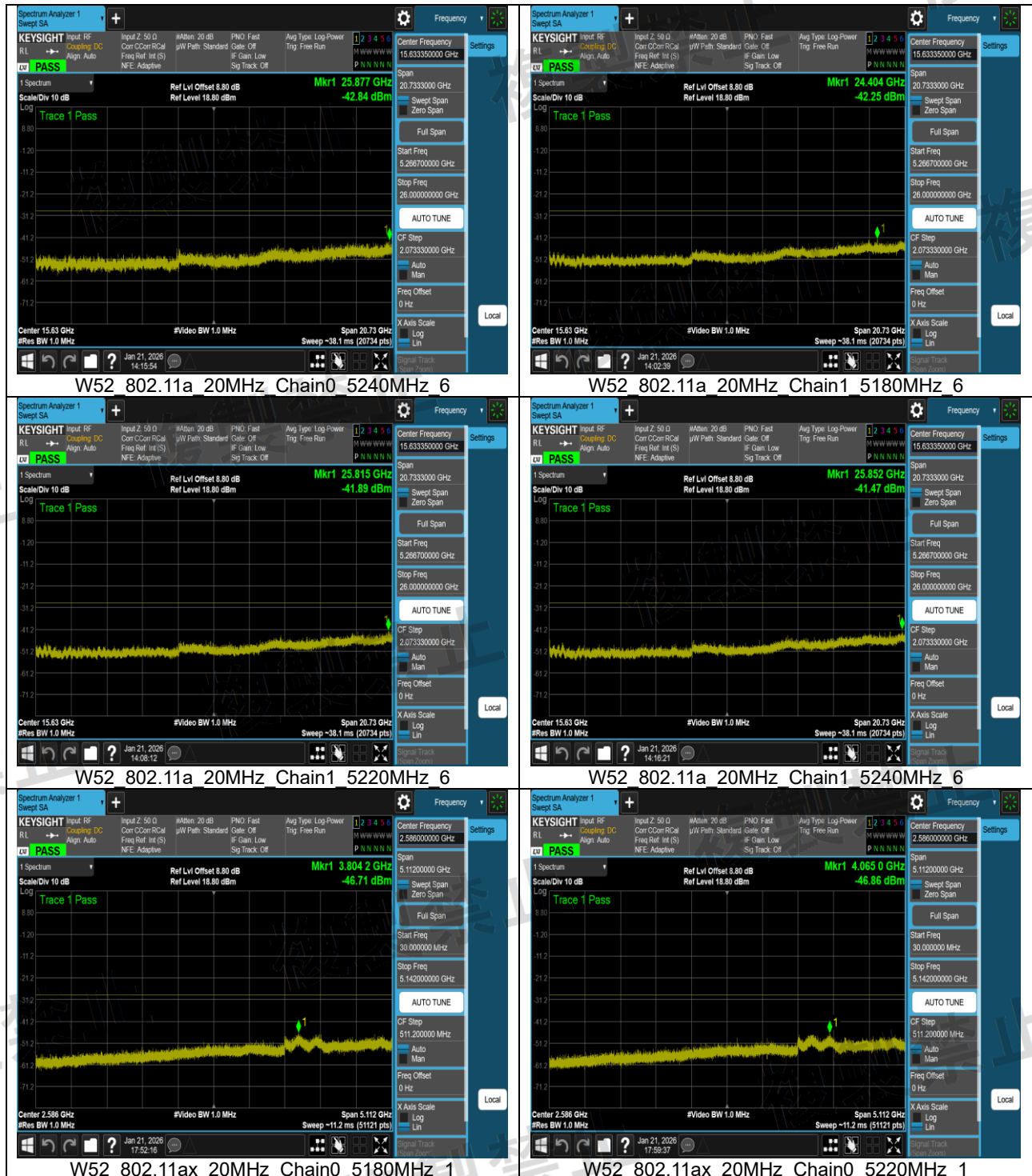


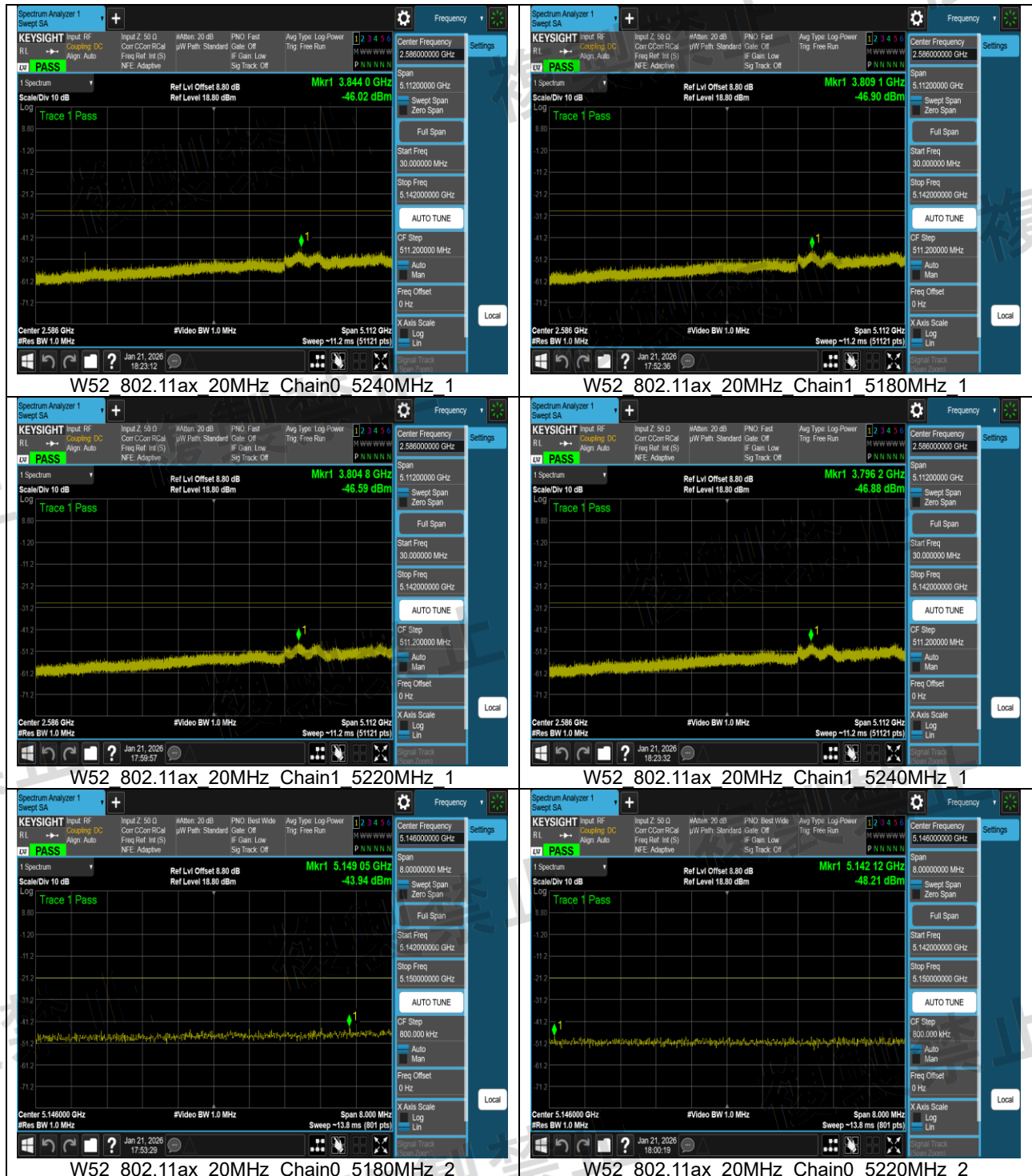




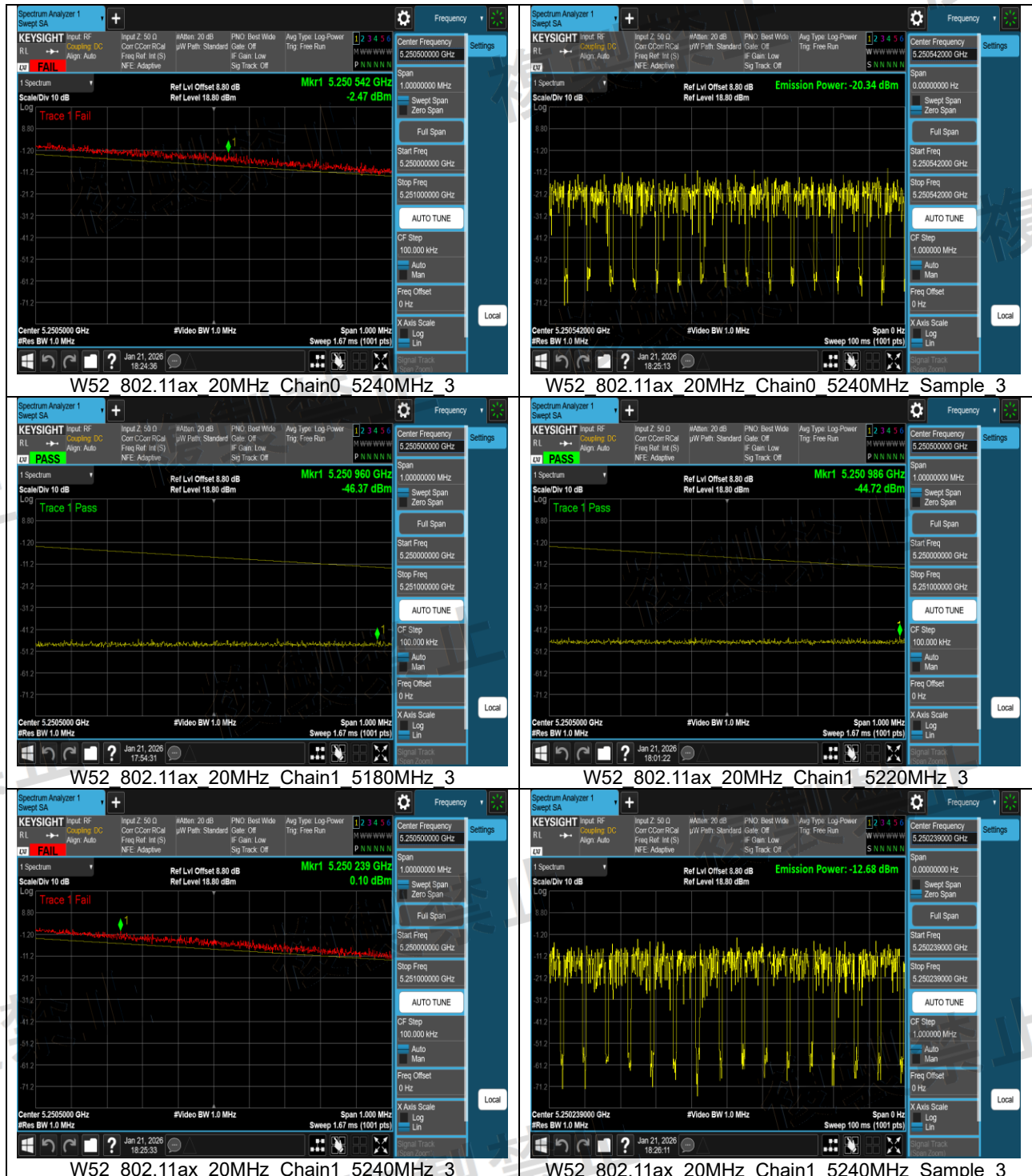


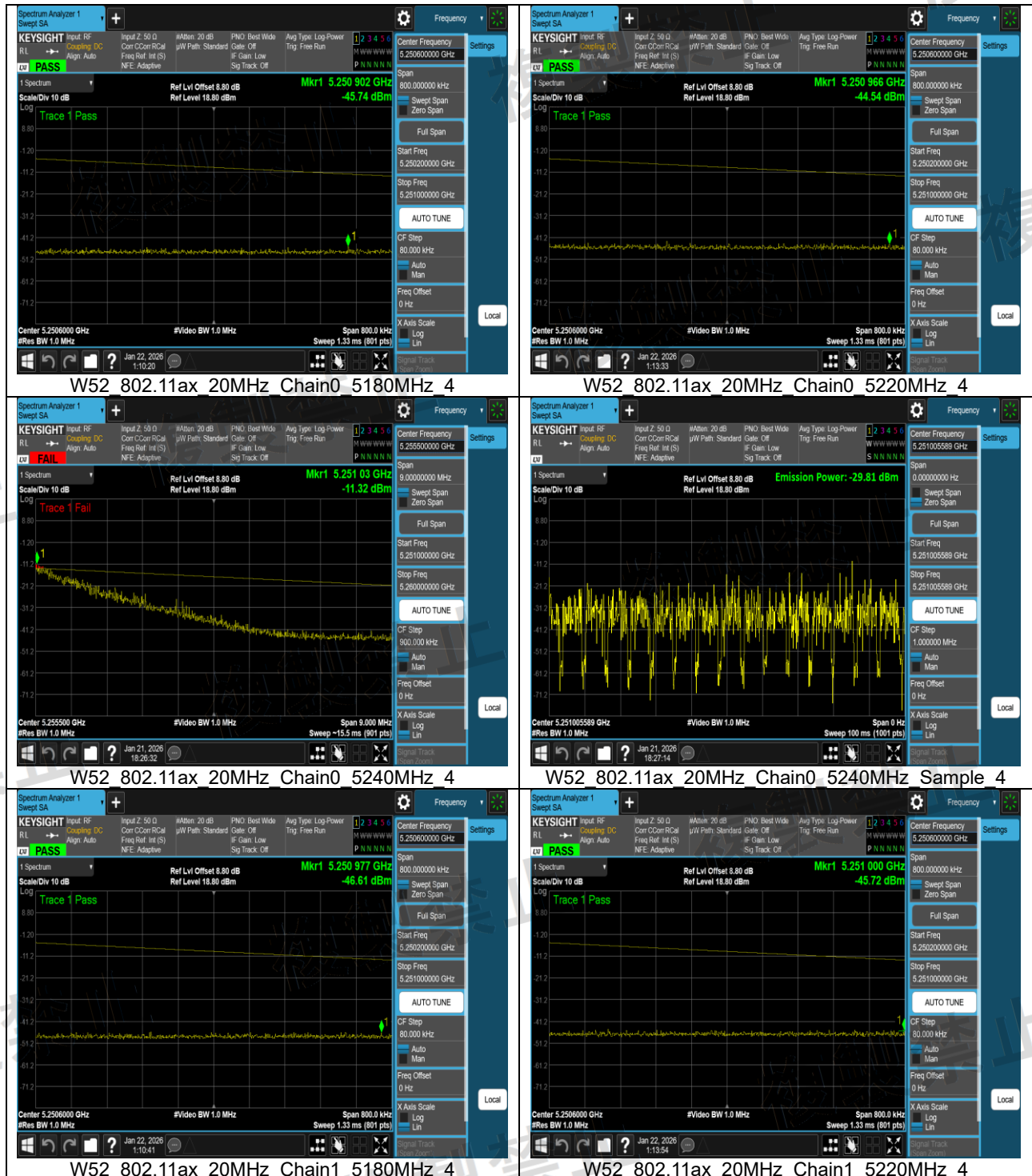


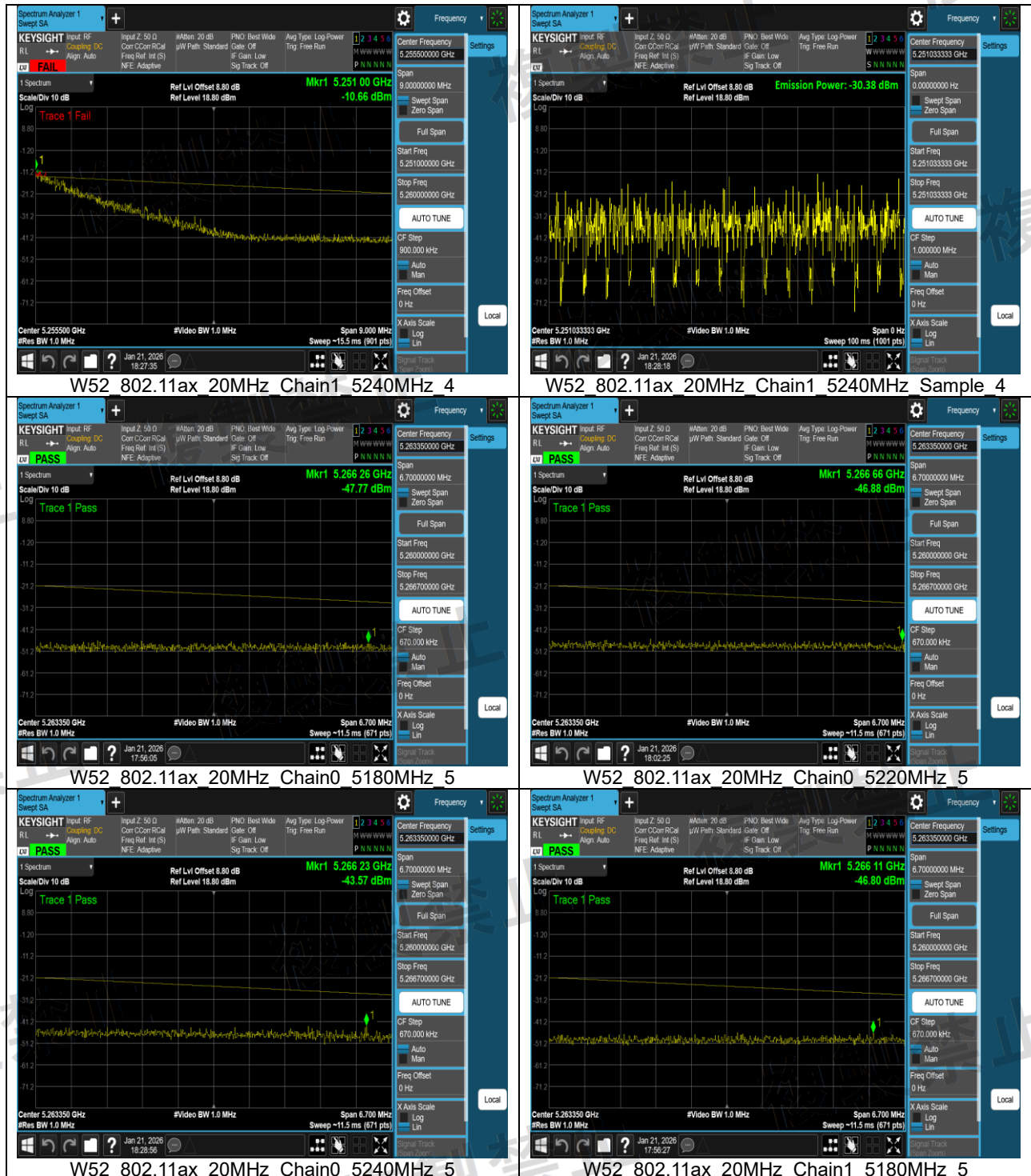


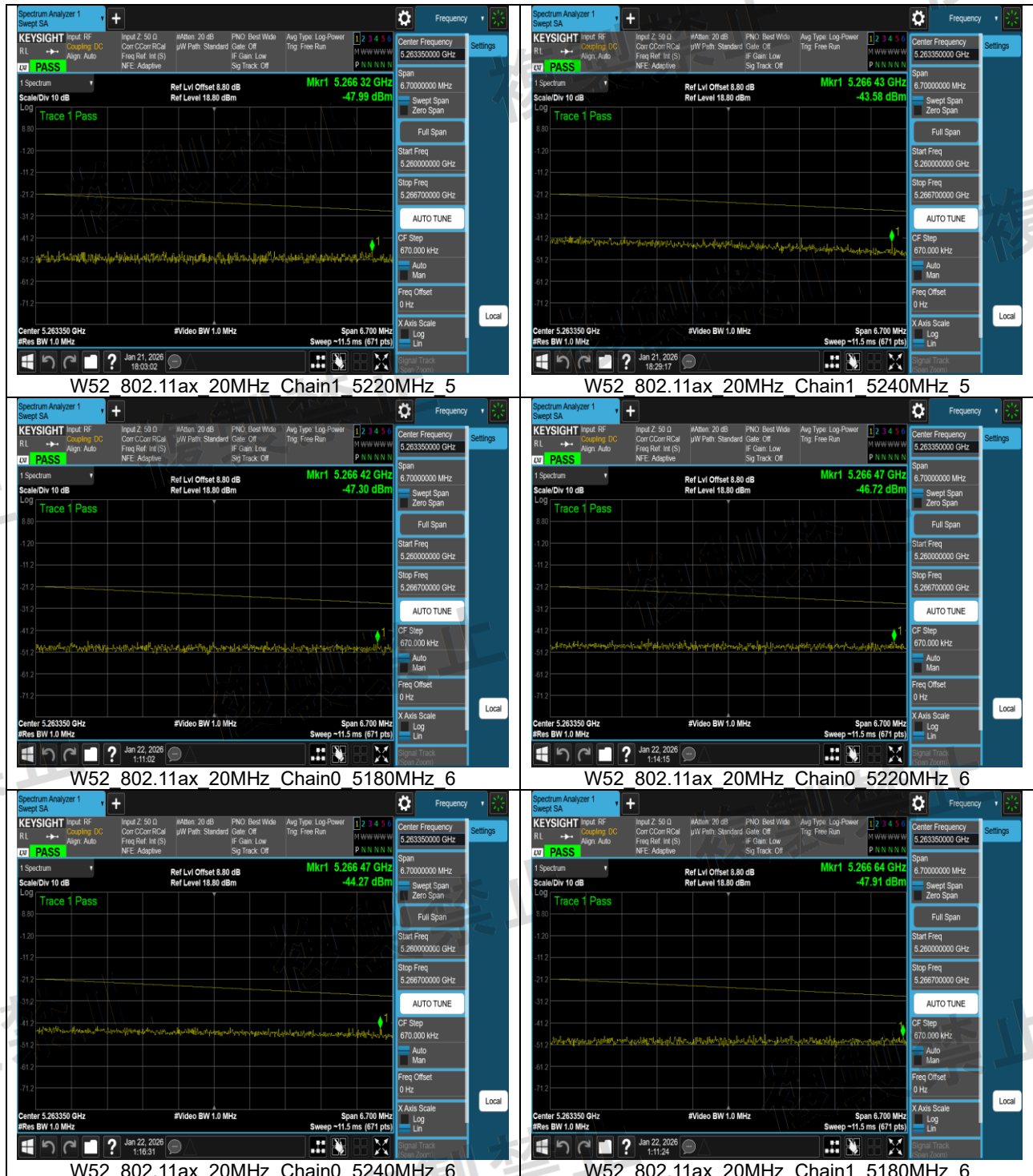


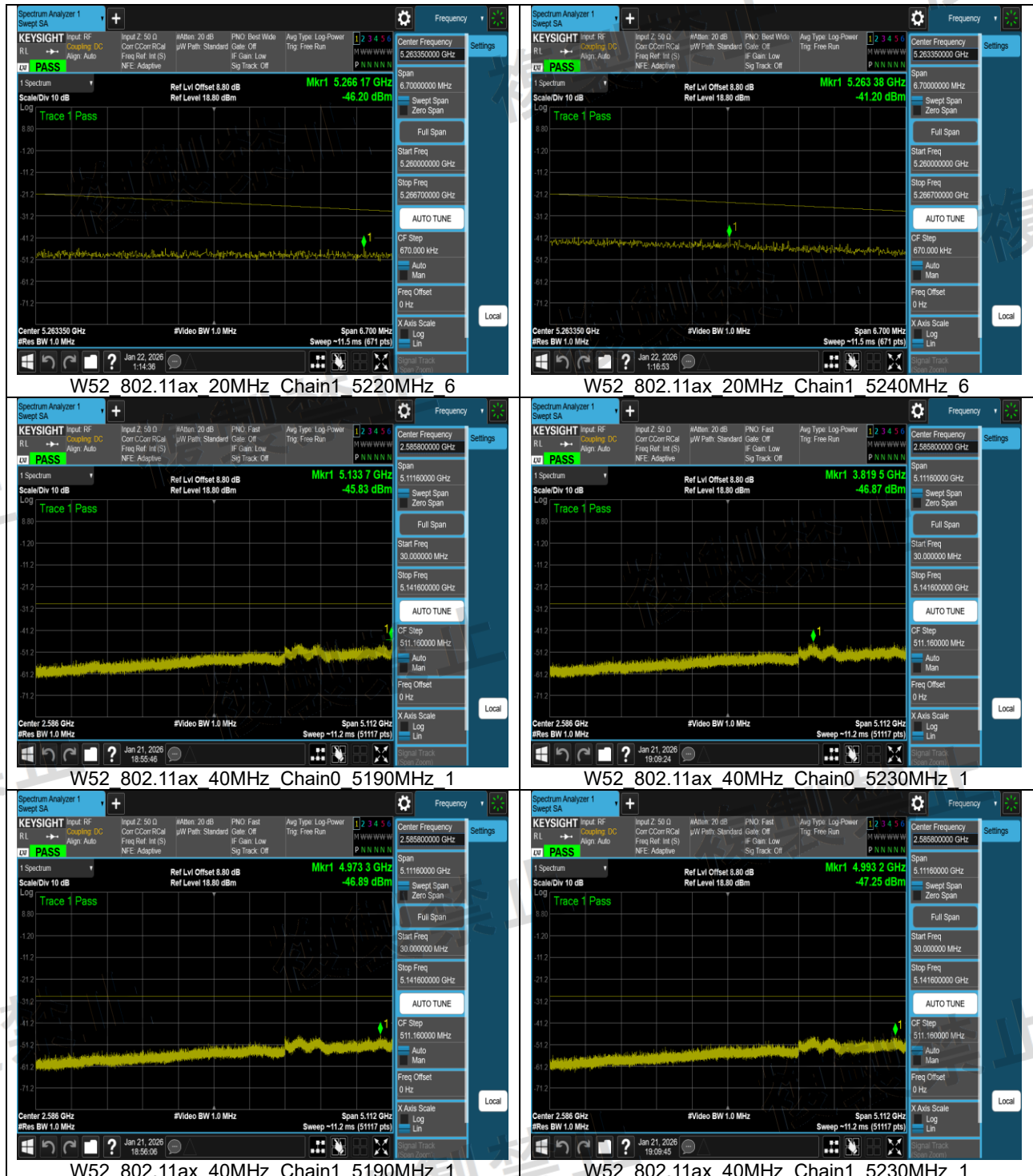


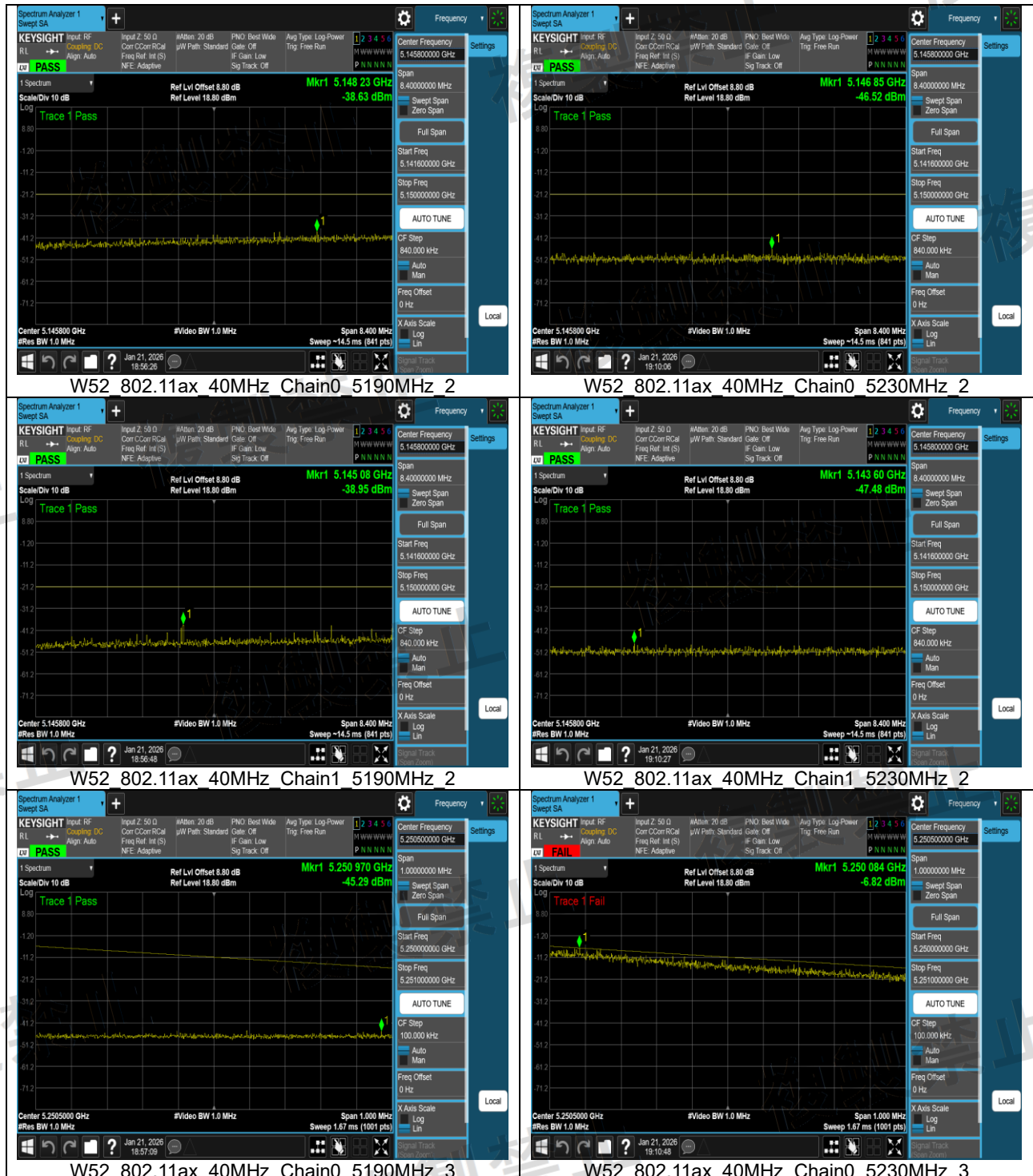


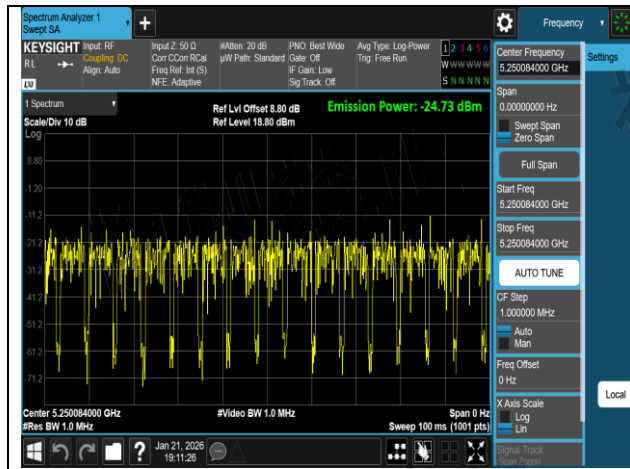




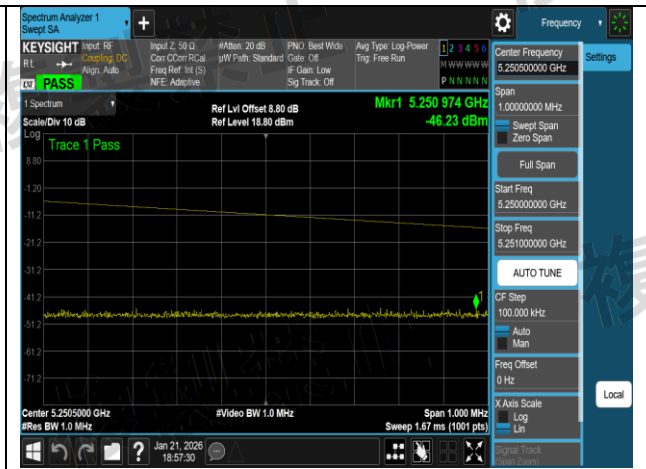








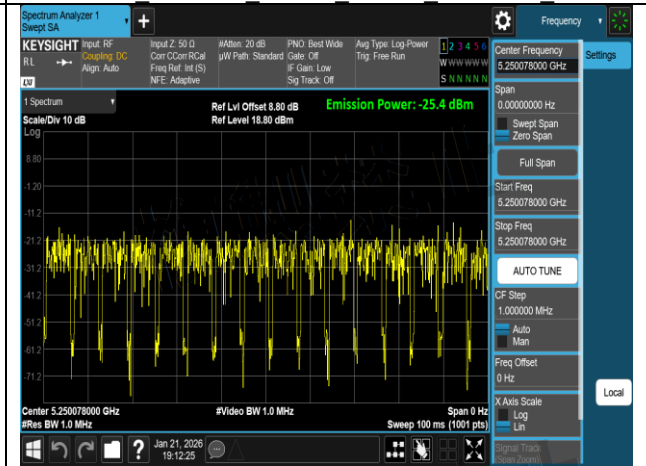
W52 802.11ax 40MHz Chain0 5230MHz Sample 3



W52 802.11ax 40MHz Chain1 5190MHz 3



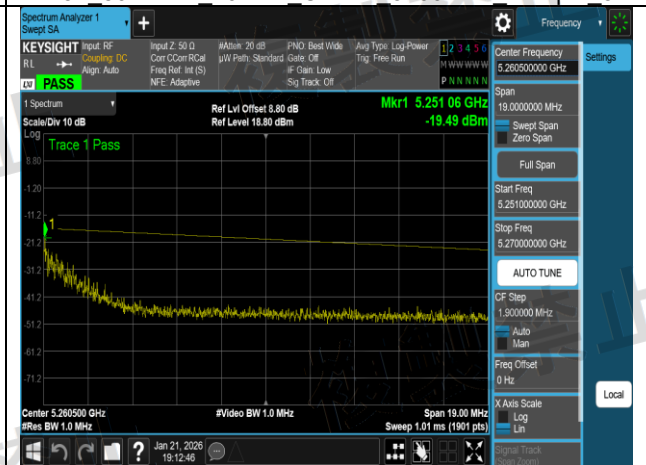
W52 802.11ax 40MHz Chain1 5230MHz 3



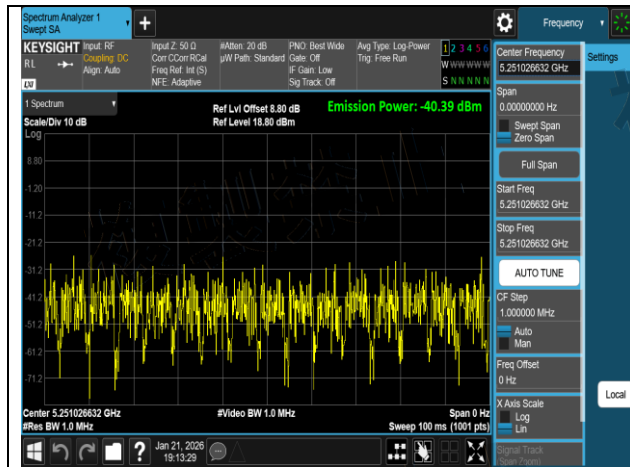
W52 802.11ax 40MHz Chain1 5230MHz Sample 3



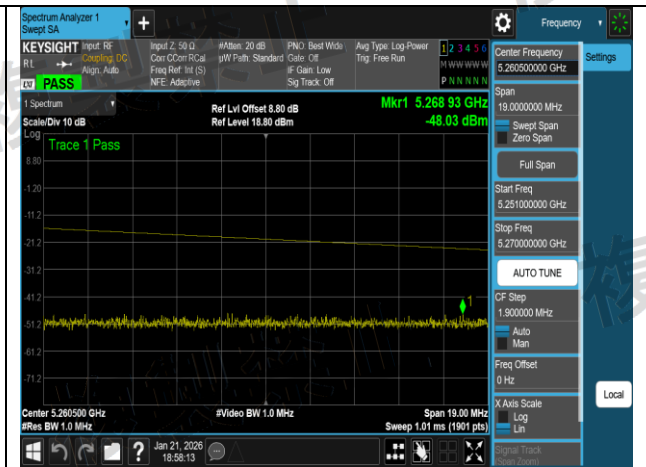
W52 802.11ax 40MHz Chain0 5190MHz 4



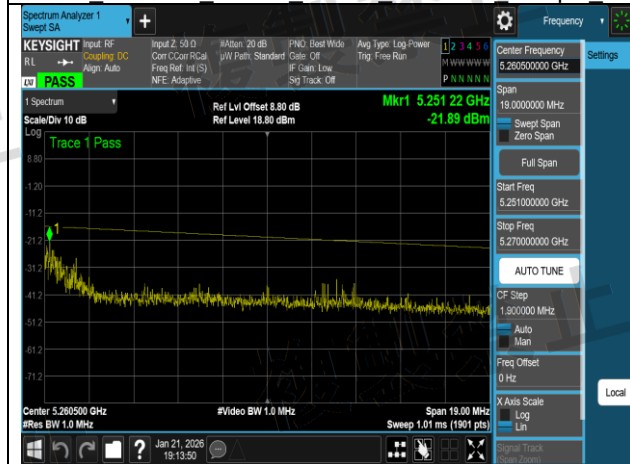
W52 802.11ax 40MHz Chain0 5230MHz 4



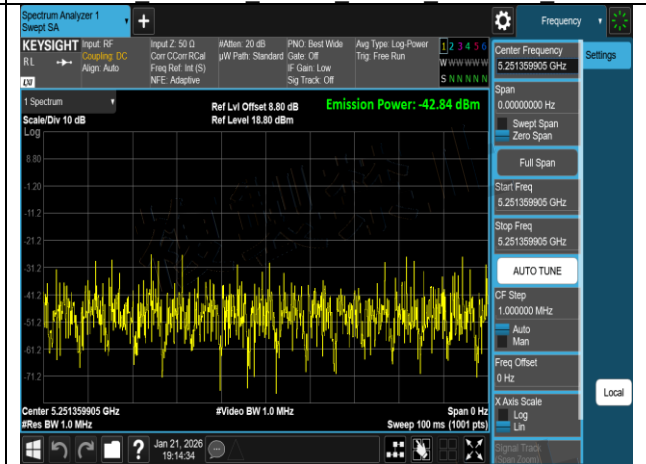
W52 802.11ax 40MHz Chain0 5230MHz Sample 4



W52 802.11ax 40MHz Chain1 5190MHz 4



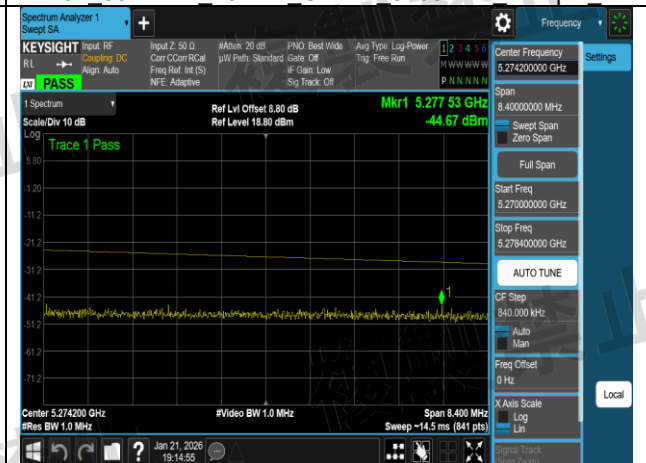
W52 802.11ax 40MHz Chain1 5230MHz 4



W52 802.11ax 40MHz Chain1 5230MHz Sample 4



W52 802.11ax 40MHz Chain0 5190MHz 5



W52 802.11ax 40MHz Chain0 5230MHz 5



6.6 SECONDARILY EMITTED RADIO WAVE STRENGTH

Temperature: 21.5 ~ 25.5°C

Test date: January 20 ~ February 3, 2026

Humidity: 50 ~ 59% RH

Tested by: Marco Chan

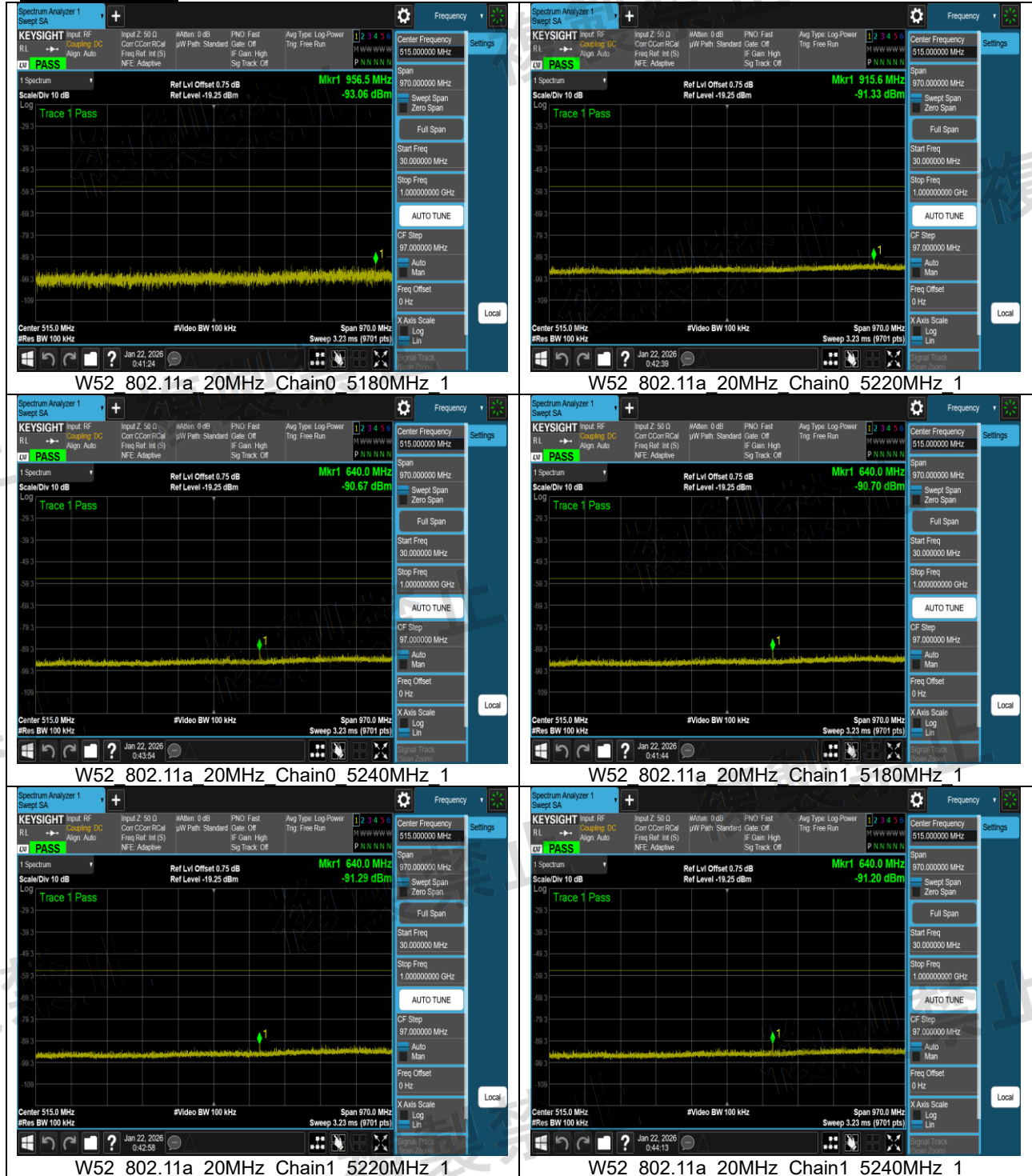
TEST RESULT

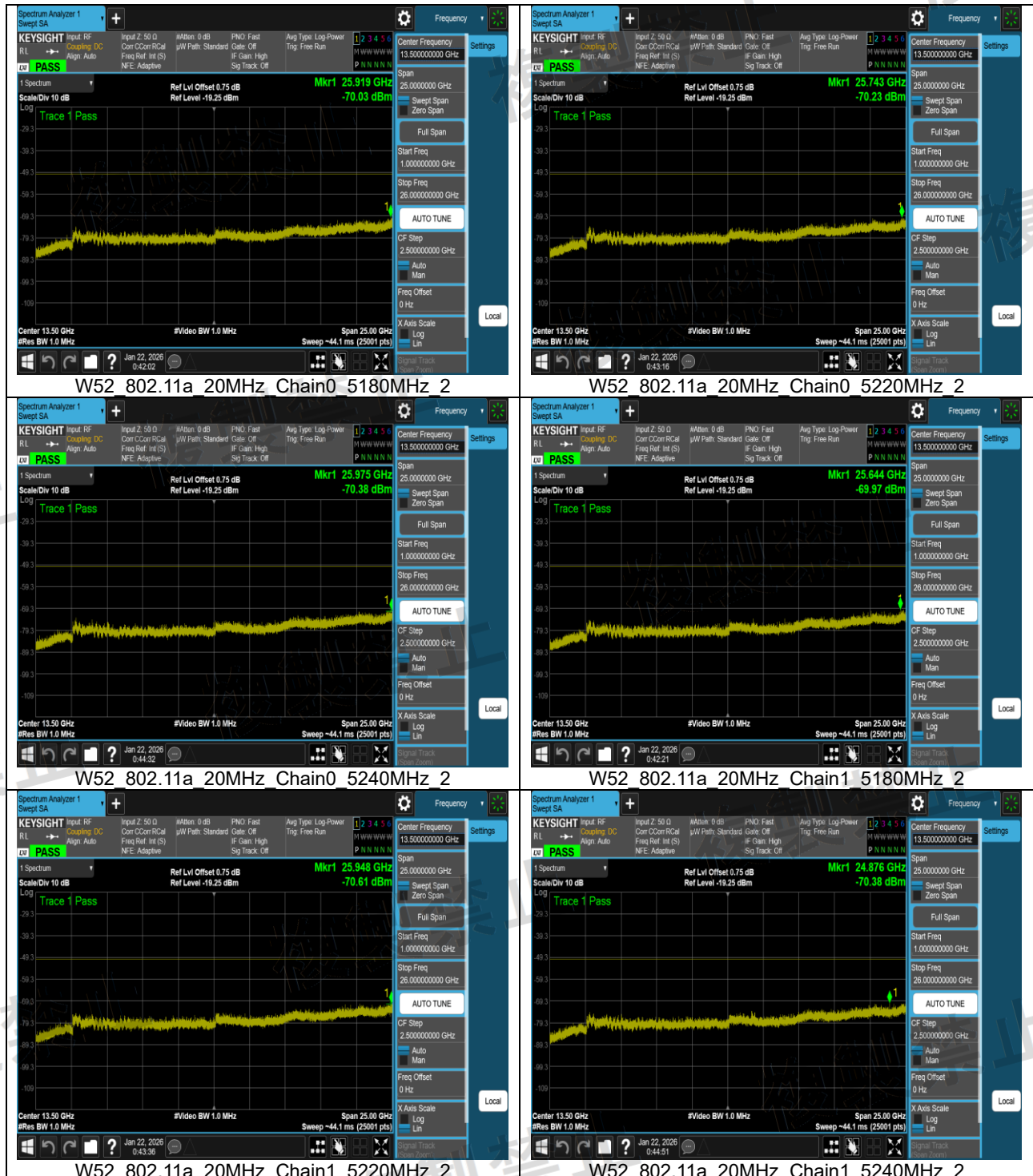
Secondarily emitted radio wave strength						
802.11a_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
Under 1GHz (Chain0)	nW	0.000	0.001	0.001	≤ 2.00	PASS
	MHz	956.5	915.6	640.0	---	---
1 ~ 26GHz (Chain0)	nW	0.099	0.095	0.092	≤ 10.00	PASS
	MHz	25919	25743	25975	---	---
Under 1GHz (Chain1)	nW	0.001	0.001	0.001	≤ 2.00	PASS
	MHz	640.0	640.0	640.0	---	---
1 ~ 26GHz (Chain1)	nW	0.101	0.087	0.092	≤ 10.00	PASS
	MHz	25644	25948	24876	---	---
Under 1GHz (Chain0+Chain1)	nW	0.0013	0.0015	0.0016	≤ 4.00	PASS
	MHz	---	---	---	---	---
1 ~ 26GHz (Chain0+Chain1)	nW	0.2000	0.1817	0.1832	≤ 20.00	PASS
	MHz	---	---	---	---	---

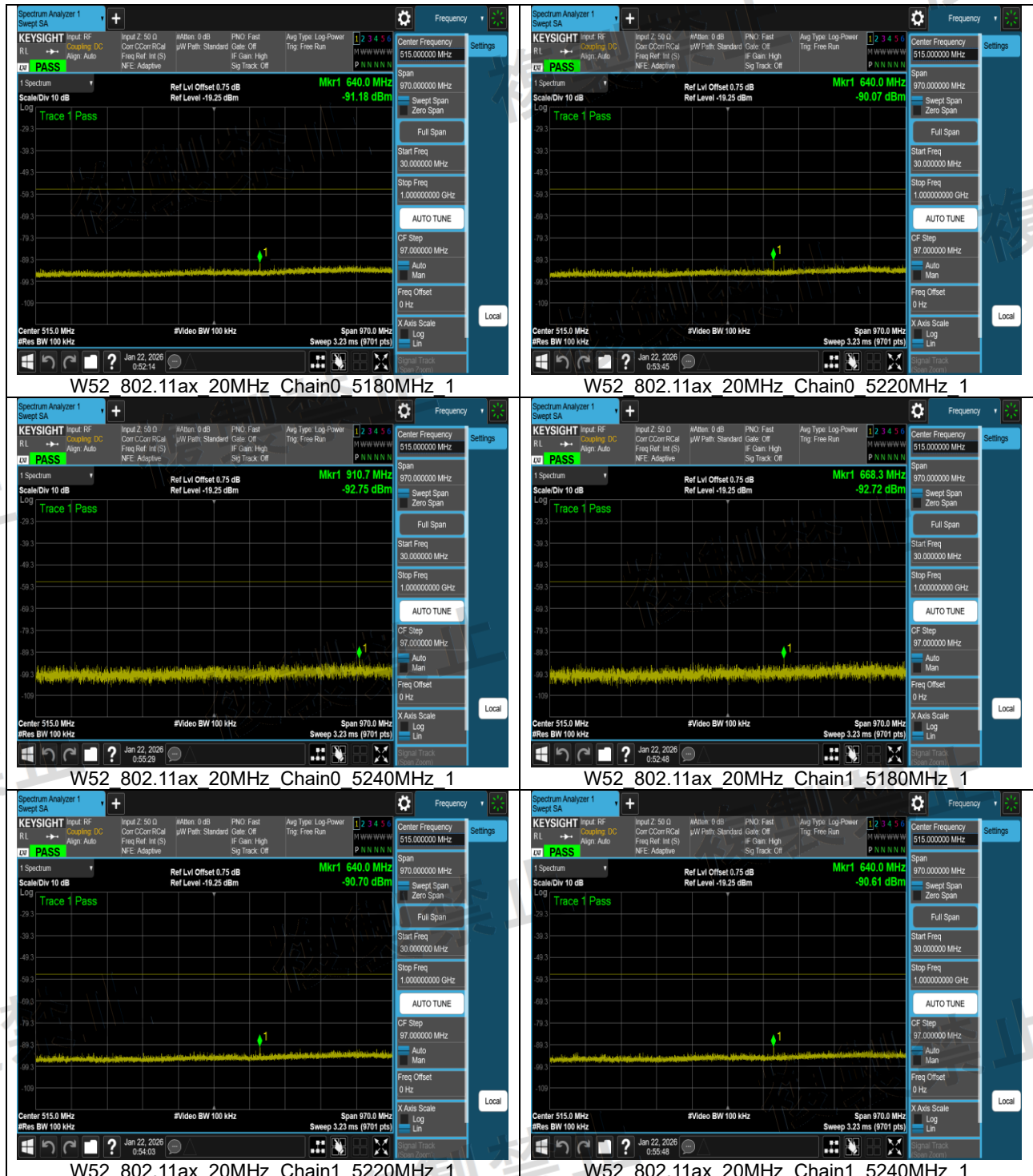
Secondarily emitted radio wave strength						
802.11ax_W52_20MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5180	5220	5240	---	---
Channel Number	Ch.	36	44	48	---	---
Under 1GHz (Chain0)	nW	0.001	0.001	0.001	≤ 2.00	PASS
	MHz	640.0	640.0	910.7	---	---
1 ~ 26GHz (Chain0)	nW	0.085	0.080	0.098	≤ 10.00	PASS
	MHz	25742	25590	25861	---	---
Under 1GHz (Chain1)	nW	0.001	0.001	0.001	≤ 2.00	PASS
	MHz	668.3	640.0	640.0	---	---
1 ~ 26GHz (Chain1)	nW	0.091	0.088	0.094	≤ 10.00	PASS
	MHz	25808	23841	25942	---	---
Under 1GHz (Chain0+Chain1)	nW	0.0013	0.0018	0.0014	≤ 4.00	PASS
	MHz	---	---	---	---	---
1 ~ 26GHz (Chain0+Chain1)	nW	0.1757	0.1675	0.1928	≤ 20.00	PASS
	MHz	---	---	---	---	---

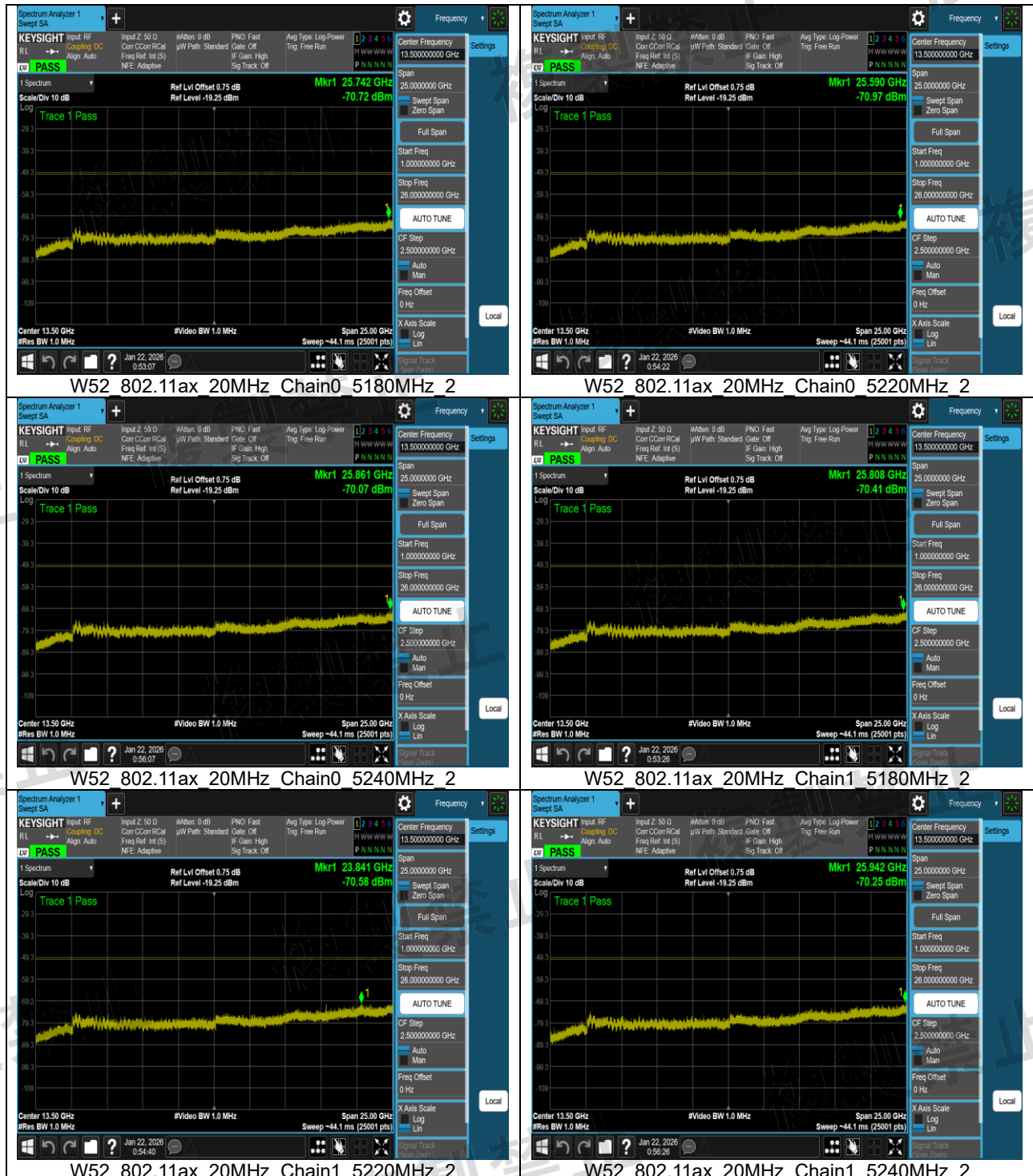
Secondarily emitted radio wave strength						
802.11ax_W52_40MHz	unit	---	---	---	Limit	Result
Measurement Center Frequency	MHz	5190	5230	-	---	---
Channel Number	Ch.	38	46	-	---	---
Under 1GHz (Chain0)	nW	0.001	0.001	-	$\leq$ 2.00	PASS
	MHz	908.5	640.0	-	---	---
1 ~ 26GHz (Chain0)	nW	0.091	0.079	-	$\leq$ 10.00	PASS
	MHz	25726	25739	-	---	---
Under 1GHz (Chain1)	nW	0.001	0.001	-	$\leq$ 2.00	PASS
	MHz	640.0	640.0	-	---	---
1 ~ 26GHz (Chain1)	nW	0.088	0.095	-	$\leq$ 10.00	PASS
	MHz	23987	25710	-	---	---
Under 1GHz (Chain0+Chain1)	nW	0.0020	0.0015	-	$\leq$ 4.00	PASS
	MHz	---	---	-	---	---
1 ~ 26GHz (Chain0+Chain1)	nW	0.1789	0.1741	-	$\leq$ 20.00	PASS
	MHz	---	---	-	---	---

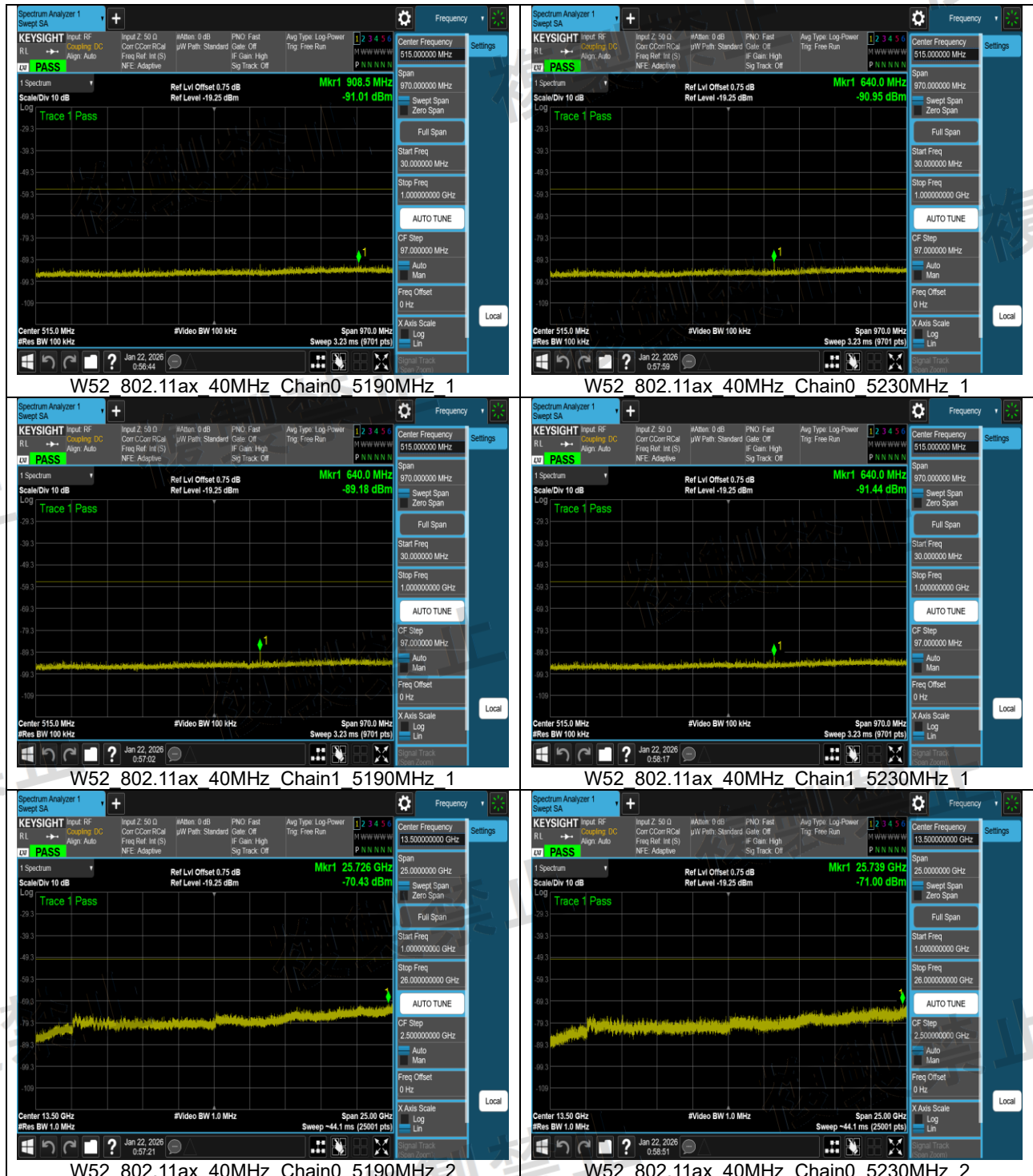
TEST PLOTS

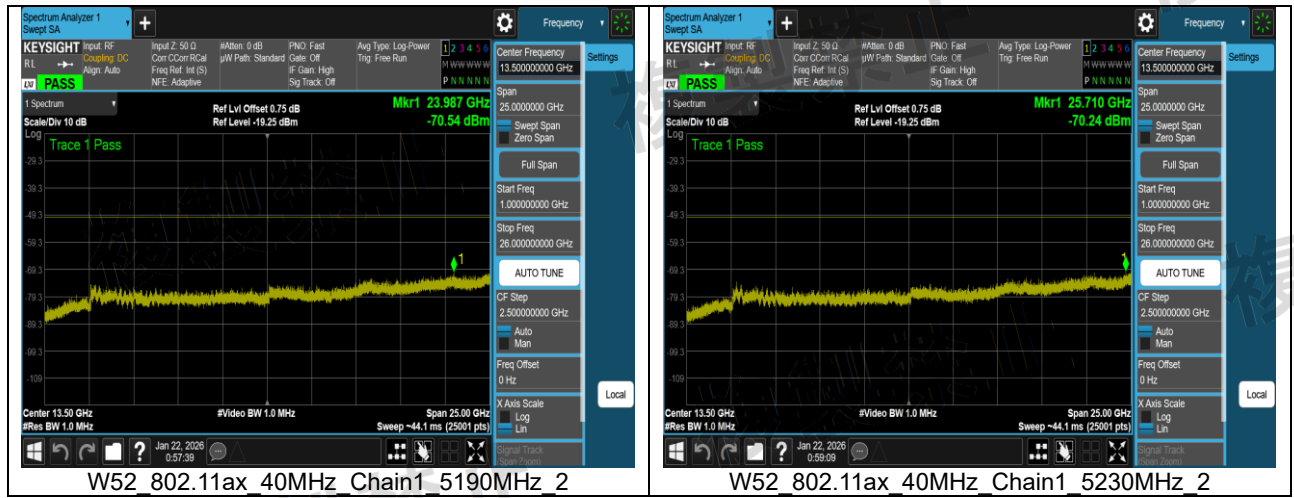












6.7 TRANSMITTER BURST LENGTH & CARRIER SENSE CAPABILITY

Temperature: 24.2°C

Test date: January 30, 2026

Humidity: 55% RH

Tested by: Jerry Chang

TEST RESULT

IEEE 802.11a

W52

Channel	Limit (dBm)	Result	Judgment
5180	-46.00	-58.71	PASS
5220	-46.06	-58.33	PASS
5240	-46.10	-57.89	PASS

SG reference level	disconnect Freq.(MHz)	disconnect level	Loss
-46.00	5180	-58.71	0.00
-46.06	5220	-58.33	0.00
-46.10	5240	-57.89	0.00

IEEE 802.11n HT20

W52

Channel	Limit (dBm)	Result	Judgment
5180	-46.00	-58.59	PASS
5220	-46.06	-58.02	PASS
5240	-46.10	-57.54	PASS

SG reference level	disconnect Freq.(MHz)	disconnect level	Loss
-46.00	5180	-58.59	0.00
-46.06	5220	-58.02	0.00
-46.10	5240	-57.54	0.00

IEEE 802.11n HT40

W52

Channel	Limit (dBm)	Result	Judgment
5190	-46.01	-63.07	PASS
5230	-46.08	-62.63	PASS

SG reference level	disconnect Freq.(MHz)	disconnect level	Loss
-46.01	5190	-63.07	0.00
-46.08	5230	-62.63	0.00

IEEE 802.11ax HE20

W52

Channel	Limit (dBm)	Result	Judgment
5180	-46.00	-59.67	PASS
5220	-46.06	-59.25	PASS
5240	-46.10	-58.71	PASS

SG reference level	disconnect Freq.(MHz)	disconnect level	Loss
-46.00	5180	-59.67	0.00
-46.06	5220	-59.25	0.00
-46.10	5240	-58.71	0.00

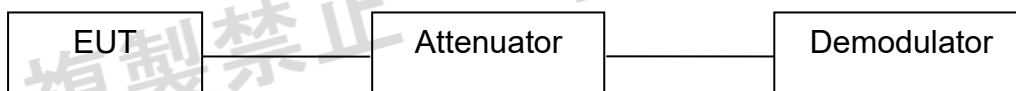
IEEE 802.11ax HE40

W52

Channel	Limit (dBm)	Result	Judgment
5190	-46.01	-63.21	PASS
5230	-46.08	-62.89	PASS

SG reference level	disconnect Freq.(MHz)	disconnect level	Loss
-46.01	5190	-63.21	0.00
-46.08	5230	-62.89	0.00

7 INTERFERENCE PREVENTION FUNCTION



Interference Prevention Function	By identifying the characteristics of the modulation scheme of the received radio waves and others, shall be able to identify the reflected waves of the radio waves which local station transmitted and the radio waves transmitted by other radio stations.
MAC address	46:a8:42:ff:51:f0
Result	PASS

- End of Test Report -