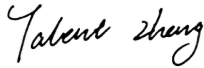


FCC AND ISCED CERTIFICATION TEST REPORT

Applicant:	Xiaopinmo (Shanghai) Technology Co., Ltd.		
Address:	Room 807, 8th Floor, Building 1, No. 936 Huanzhen North Road, Baoshan District, Shanghai, China		
Manufacturer:	Xiaopinmo (Shanghai) Technology Co., Ltd.		
Address:	Room 807, 8th Floor, Building 1, No. 936 Huanzhen North Road, Baoshan District, Shanghai, China		
Product Description:	Xpmall Mobile Case WiFi		
Brand Name:	霄品摩, XIAOPINMO, XPMALL, 		
Tested Model:	XPMALL-WIFI-01		
FCC ID:	2BVV7XPMALL-WIFI-01		
Report No.:	JCF260129041-001		
Received Date:	Jan. 29, 2026		
Tested Date:	Jan. 29, 2026 ~ May. 15, 2026		
Issued Date:	May. 15, 2026		
Test Standards:	FCC Rules and Regulations Part 15 Subpart C,		
Test Procedure:	ANSI C63.10-2020, 558074 D01 15.247 Meas Guidance v05r02, 662911 D01 Multiple Transmitter Output v02r01,		
Test Result:	Pass		
Prepared By:			
			
<u>Roger Li/Engineer</u>		Date: May. 15, 2026	
Reviewed By:			
			
<u>Kennys Zhang/Engineer</u>		Date: May. 15, 2026	
Approved By:			
			
<u>Talent Zhang/Engineer</u>		Date: May. 15, 2026	

Note: The test results in this report apply exclusively to the tested model / sample. Without written approval of Guangzhou Jingce Testing Technology Co., Ltd. the test report shall not be reproduced except in full.

Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
--	/	May. 15, 2026	Original Report	/

Table of Contents

1. Test Report Declare	5
2. Summary of Test Results	6
3. Test Laboratory	6
4. Equipment Under Test	7
4.1. Description of EUT	7
4.2. Channel List	7
4.3. Test Channel Configuration	7
4.4. Test environment conditions	8
4.5. The Worse Case Power Setting Parameter	8
4.6. Description of Available Antennas	8
5. Description of Test Setup	9
5.1. Accessory	9
5.2. Support Equipment	9
5.3. Test Setup	9
5.4. Setup Diagram for Tests	9
6. Measurement Uncertainty	9
7. Measuring Instrument and Software Used	10
8. On Time and Duty Cycle	12
8.1. Block diagram of test setup	12
8.2. Limits	12
8.3. Procedure	12
8.4. Results	12
8.5. Original test data	13
9. 6 dB DTS Bandwidth and 99 % Occupied Bandwidth	22
9.1. Block diagram of test setup	22
9.2. Limits	22
9.3. Test Procedure	22
9.4. Results	22
9.5. Original test data	23
10. Conducted Output Power	40
10.1. Block diagram of test setup	40
10.2. Limits	40
10.3. Test Procedure	40
10.4. Results	40
11. Power Spectral Density	42
11.1. Block diagram of test setup	42
11.2. Limits	42
11.3. Test Procedure	42
11.4. Results	42
11.5. Original test data	43
12. Conducted Band edge and Spurious Emissions	52
12.1. Block diagram of test setup	52
12.2. Limits	52
12.3. Test Procedure	52
12.4. Test result	52
12.5. Original test data	54
13. Radiated Emission	84
13.1. Block diagram of test setup	84
13.2. Limit	85
13.3. Test Procedure	86
13.4. Results	88
13.5. Original test data	88

14. AC Power Line Conducted Emissions 89
 14.1. Block diagram of test setup 89
 14.2. Limits 89
 14.3. Test procedure 89
 14.4. Test result 90
15. Antenna Requirements 91
 15.1. Applicable Requirements 91
 15.2. Result 91
APPENDIX A – Radiated Emission Below 1GHz Test Data 92
APPENDIX B – Radiated Emission Above 1GHz Test Data 94

1. Test Report Declare

Applicant:	Xiaopinmo (Shanghai) Technology Co., Ltd.
Address:	Room 807, 8th Floor, Building 1, No. 936 Huanzhen North Road, Baoshan District, Shanghai, China
Manufacturer:	Xiaopinmo (Shanghai) Technology Co., Ltd.
Address:	Room 807, 8th Floor, Building 1, No. 936 Huanzhen North Road, Baoshan District, Shanghai, China
Product Name:	Xpmall Mobile Case WiFi
Brand Name:	霄品摩, XIAOPINMO, XPMALL, 
Model Name:	XPMALL-WIFI-01
Difference Description:	NA

We Declare:

The equipment described above is tested by Guangzhou Jingce Testing Technology Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangzhou Jingce Testing Technology Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests except as provided information by clients.

2. Summary of Test Results

Summary of Test Results			
Clause	Test Items	FCC/ISED Rules	Test Results
1	6dB Bandwidth and 99 % Occupied Bandwidth	FCC Part 15.247 (a) (2)	Pass
2	Peak Conducted Output Power	FCC Part 15.247 (b) (3)	Pass
3	Power Spectral Density	FCC Part 15.247 (e)	Pass
4	Conducted Bandedge and Spurious Emission	FCC Part 15.247 (d)	Pass
5	Radiated Bandedge and Spurious Emission	FCC Part 15.247 (d) FCC Part 15.209 FCC Part 15.205	Pass
6	Conducted Emission Test For AC Power Port	FCC Part 15.207	NA
7	Antenna Requirement	FCC Part 15.203	Pass
Note: This report was tested strictly in accordance with the standards, without any additions, deviations or omissions to the standard content.			

3. Test Laboratory

Guangzhou Jingce Testing Technology Co., Ltd.

Add.: No.10, Hefeng No.1 street, Huangpu District, Guangzhou, Guangdong, People's Republic of China

Association for Laboratory Accreditation(A2LA). Certificate Number: 6594.03

FCC Designation Number: CN1381. Test Firm Registration Number: 486550

IC Test Firm Registration Number: 31808

Conformity Assessment Body identifier: CN0173

4. Equipment Under Test

4.1. Description of EUT

EUT Name:	Xpmall Mobile Case WiFi
Model Number:	XPMALL-WIFI-01
EUT Function Description:	Please refer to user manual of this device
Power Supply:	DC 5V
Sample No.:	260129041-01-01
Hardware Version:	NA
Software Version:	NA
Radio Specification:	IEEE802.11b/g/n
Operation Frequency:	IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE 802.11n HT20: 2412MHz—2462MHz IEEE 802.11n HT40: 2422MHz—2452MHz
Modulation:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n (HT20/40): OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Type:	FPC Antenna 1, MAX. Gain: 3.85 dBi FPC Antenna 2, MAX. Gain: 2.84 dBi Directional Gain= $10\log(10^{3.85/10} + 10^{2.84/10}) = 6.38 \text{ dBi}$

Note 1: EUT is the ab. of equipment under test.

Note 2: The antenna gain is declared by the customer and the laboratory is not responsible for the accuracy of the antenna gain.

4.2. Channel List

Channel List for 802.11b/g/n (20 MHz)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	4	2427	7	2442	10	2457
2	2417	5	2432	8	2447	11	2462
3	2422	6	2437	9	2452	/	/

Channel List for 802.11n (40 MHz)					
Channel	Frequency (MHz)	Channel	Frequency(MHz)	Channel	Frequency (MHz)
3	2422	6	2437	9	2452
4	2427	7	2442	/	/
5	2432	8	2447	/	/

4.3. Test Channel Configuration

Tested mode, channel and rand data rate information			
Mode	Data rate (Mbps) (see Note)	Channel	Frequency (MHz)
802.11b	1	Low: CH1	2412
	1	Middle: CH6	2437
	1	High: CH11	2462

802.11g	6	Low: CH1	2412
	6	Middle: CH6	2437
	6	High: CH11	2462
802.11n HT20	MCS 8	Low: CH1	2412
	MCS 8	Middle: CH6	2437
	MCS 8	High: CH11	2462
802.11n HT40	MCS 8	Low: CH3	2422
	MCS 8	Middle: CH6	2437
	MCS 8	High: CH9	2452

Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

4.4. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	21-25 °C
Humidity range:	40-75%
Pressure range:	86-106 kPa

4.5. The Worse Case Power Setting Parameter

The Worse Case Power Setting Parameter under 2400 ~ 2483.5MHz Band				
Test Software		QA Tool		
Modulation Mode	Transmit Antenna Number	Test Software Setting Value		
		Channel	ANT1	ANT2
802.11b	2	CH1	1F	1F
		CH6	Default	15
		CH11	Default	15
802.11g	2	CH1	15	15
		CH6	15	15
		CH11	15	15
802.11HT20	2	CH1	15	15
		CH6	15	15
		CH11	15	15
802.11n HT40	2	CH3	11	11
		CH6	11	11
		CH9	11	11

4.6. Description of Available Antennas

Test Mode	Transmit and Receive Mode	Description
802.11b	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11g	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11n HT20	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.
802.11n HT40	☒ 2TX, 2RX	ANT 1 and ANT2 can be used as transmitting/receiving antenna.

Note:

1. Only 802.11n and HT20/HT40 support MIMO mode
2. WLAN 2.4 GHz & WLAN 5G can't transmit simultaneously. (declared by client)

5. Description of Test Setup

5.1. Accessory

Description of Accessories	Manufacturer	Model Number	Description	Remark
/	/	/	/	/

5.2. Support Equipment

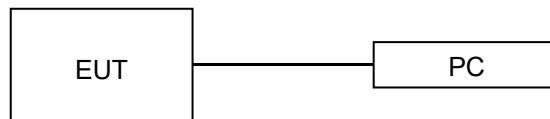
Equipment	Brand Name	Model Name	P/N
PC	Lenovo	T480	/

5.3. Test Setup

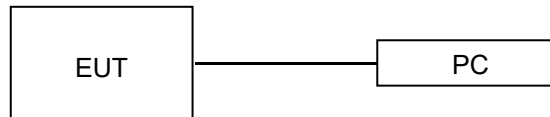
The EUT can work in Fixed Frequency mode.

5.4. Setup Diagram for Tests

RF Connect Test:



Radiated Emission Test:



6. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
AC Power Conduction emission	1.37 dB
All Radiated emissions	5.4dB
Conducted emissions	3.09 dB
Occupied Channel Bandwidth	1.1%
Conducted Output power	0.82dB
Power Spectral Density	0.82dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k = 2.	

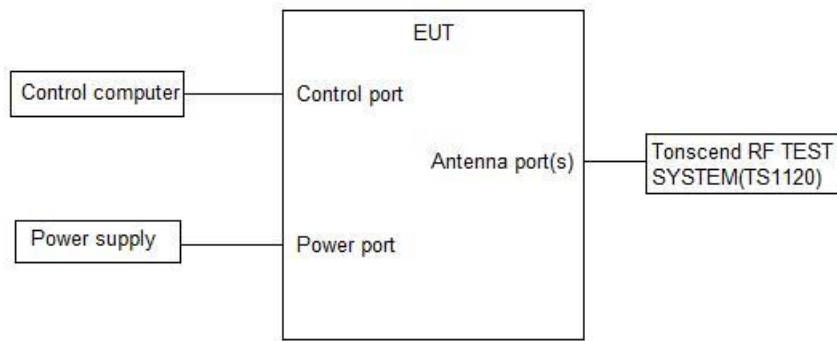
7. Measuring Instrument and Software Used

TS Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	Spectrum Analyzer	Keysight	N9030B	MY56320512	Jul. 31, 2025	Jul. 30, 2026
☒	Vector Signal Generator	Keysight	N5182B	MY57300334	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Generator	Keysight	N5171B	MY57280639	Jul. 31, 2025	Jul. 30, 2026
☒	DC POWER	Keysight	E342A	MY59020356	Jul. 31, 2025	Jul. 30, 2026
☒	Incubator thermometer	GWS	EL-02JA	21107288	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	/	Jul. 31, 2025	Jul. 30, 2026
☒	Spectrum Analyzer	Keysight	N9020B	MY60112206	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	21H8060465	Aug. 01, 2025	Jul. 31, 2026
☒	Spectrum Analyzer	Keysight	N9020B	MY60112811	Jul. 31, 2025	Jul. 30, 2026
☒	Signal Generator	Keysight	N5173B	MY62220145	Jul. 31, 2025	Jul. 30, 2026
☒	Vector Signal Generator	Keysight	N5182B	MY61252859	Jul. 31, 2025	Jul. 30, 2026
☒	DC POWER	Keysight	E3642A	MY40005294	Jul. 31, 2025	Jul. 30, 2026
☒	Control unit(Power sensor)	Tonscend	JS0806-2	24F80620865	Aug. 01, 2025	Jul. 31, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☒	Test software	Tonscend	JS1120-3		V3.3.10	
RSE Test System						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☒	EMI Receiver	R&S	ESR26	101424	Nov. 25, 2025	Nov. 24, 2026
☒	Hybrid Antenna	Schwarzbeck	VULB9163	01361	May. 28, 2025	May. 27, 2026
☒	Horn Antenna 1	Schwarzbeck	BBHA 9120 D	02910	Aug. 31, 2025	Aug. 30, 2026
☒	Horn Antenna 2	ETS	BBHA 9170	1090	Aug. 31, 2025	Aug. 30, 2026
☒	loop-antenna	Schwarzbeck	FMZB 1513-60	00030	Jan. 11, 2026	Jan. 10, 2027
☒	Test path	/	Path2: WIFI-2.4G 1-3GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path7: ALL PASS 1-18GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path9: 3GHz High PASS 3-18GHz	/	Jul. 31, 2025	Jul. 30, 2026
☒	Test path	/	Path16: 30MHz-1GHz All PASS	/	Jul. 31, 2025	Jul. 30, 2026

			NO AMP			
☑	Signal Pre-Amplifier	ETS	3116C-PA	00217677	Jul. 31, 2025	Jul. 30, 2026
☑	3m Fully-anechoic Chamber	YIHENG	9m*6m*6m	001	Sep. 05, 2023	Sep. 04, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☑	Test software	Tonscend	TS+		V5.0.0.0	
Conducted Emission Test For AC Power Port						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☑	LISN	R&S	ENV216	102509	Aug. 01, 2025	Jul. 31, 2026
☑	EMI Receiver	R&S	ESR	102154	Aug. 01, 2025	Jul. 31, 2026
Software						
Used	Description	Manufacturer	Name		Version	
☑	Test software	EZ	EZ-EMC		EMEC-3A1	
Other Instrument						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due. Date
☑	Temperature & Humidity	Temperature	HTC-1	/	Sep. 20, 2025	Sep. 21, 2026

8. On Time and Duty Cycle

8.1. Block diagram of test setup



Note: The EUT is connected to the Control unit, and then the signal is transmitted through internal circuits to the Spectrum Analyzer.

8.2. Limits

None; for reporting purposes only

8.3. Procedure

KDB 558074 Zero-Span Spectrum Analyzer Method

8.4. Results

Test Mode	Ant.	Freq. (MHz)	Transmission Duration (ms)	Transmission Period (ms)	Duty Cycle (%)
11B	Ant1	2412	8.41	8.48	99.17
	Ant2	2412	8.41	8.46	99.41
	Ant1	2437	8.42	8.55	98.48
	Ant2	2437	8.43	8.56	98.48
	Ant1	2462	8.42	8.55	98.48
	Ant2	2462	8.41	8.53	98.59
11G	Ant1	2412	1.40	1.51	92.72
	Ant2	2412	1.40	1.45	96.55
	Ant1	2437	1.40	1.44	97.22
	Ant2	2437	1.39	1.47	94.56
	Ant1	2462	1.39	1.55	89.68
	Ant2	2462	1.40	1.42	98.59
11N20MIMO	Ant1	2412	1.31	1.36	96.32
	Ant2	2412	1.31	1.37	95.62
	Ant1	2437	1.30	1.46	89.04
	Ant2	2437	1.30	1.46	89.04
	Ant1	2462	1.31	1.46	89.73
	Ant2	2462	1.31	1.42	92.25
11N40MIMO	Ant1	2422	0.64	0.73	87.67
	Ant2	2422	0.63	0.70	90.00
	Ant1	2437	0.65	0.72	90.28
	Ant2	2437	0.65	0.75	86.67
	Ant1	2452	0.64	0.74	86.49
	Ant2	2452	0.63	0.73	86.30

Note1: Duty Cycle Correction Factor = $10\log(1/x)$.

Note2: Offset=cable loss + Test system insertion loss

Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer, then the next higher value should be used.
For mode 11b, the duty cycle is greater than 98 %, so it can set VBW to 10 Hz.

8.5. Original test data





11B_Ant2_2437



11B_Ant1_2462



11B_Ant2_2462





11G_Ant2_2437



11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412



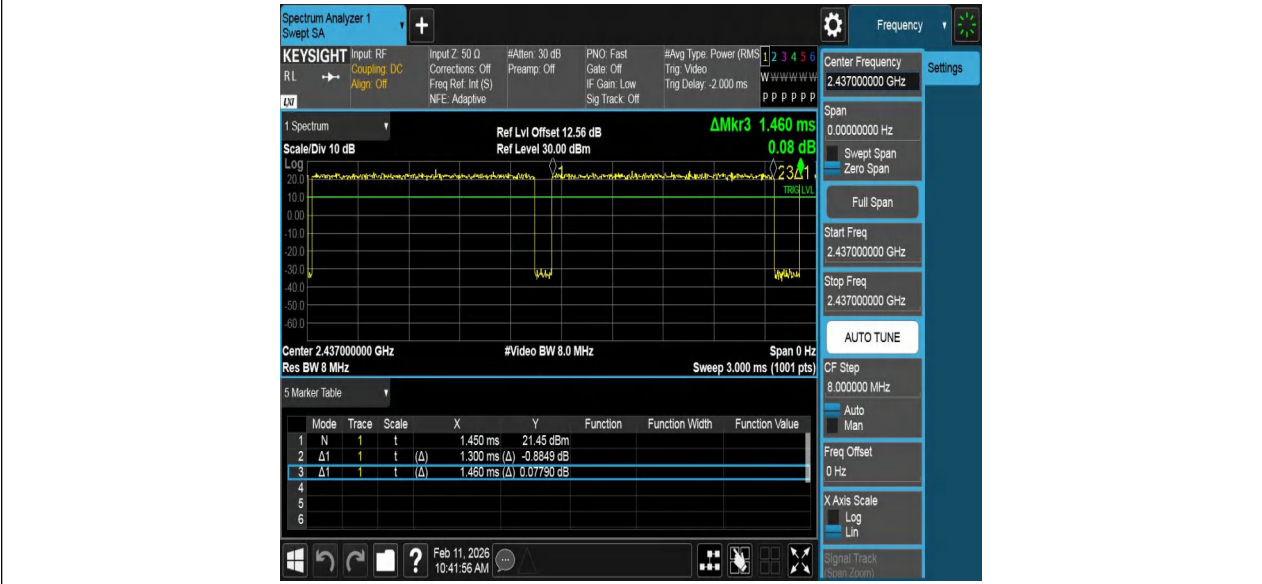
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11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437



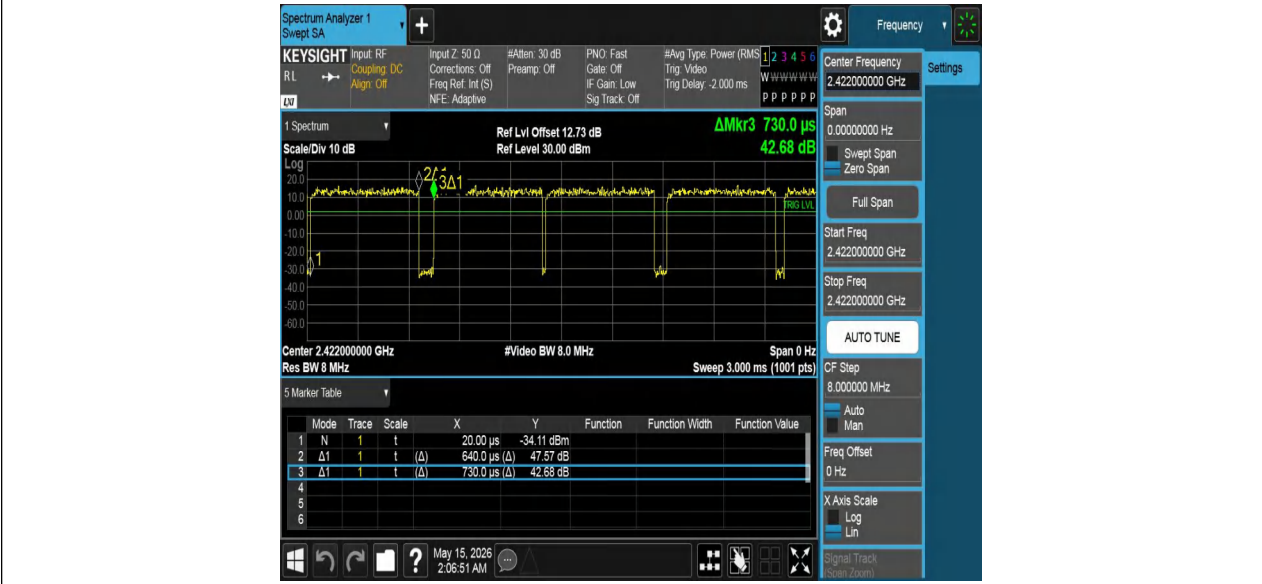
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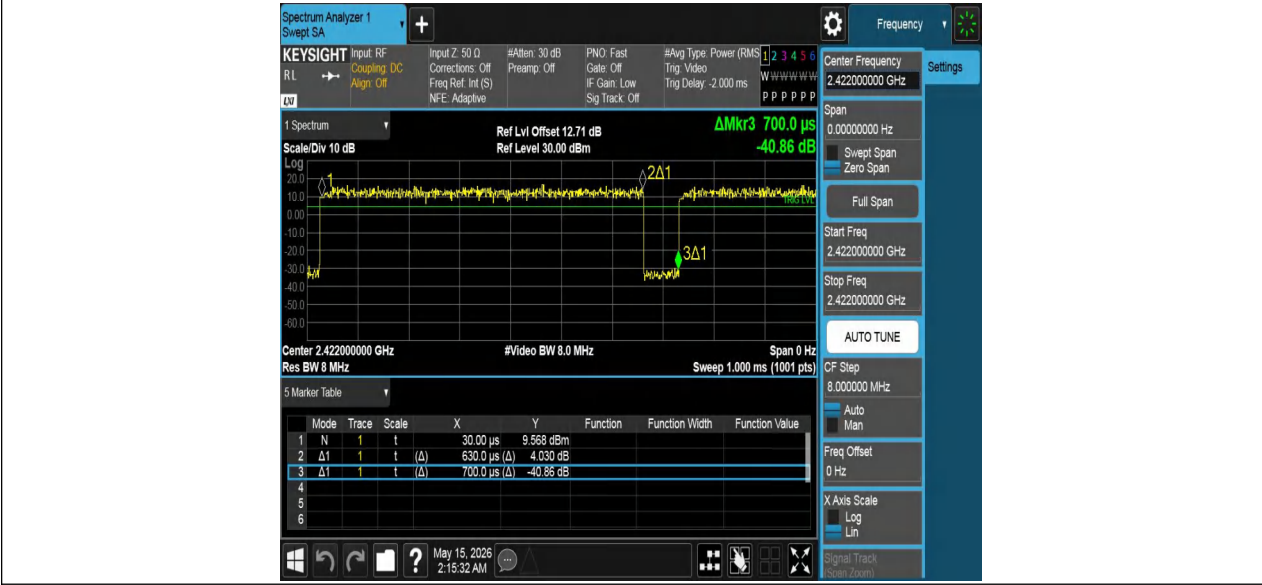
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11N40MIMO_Ant1_2422



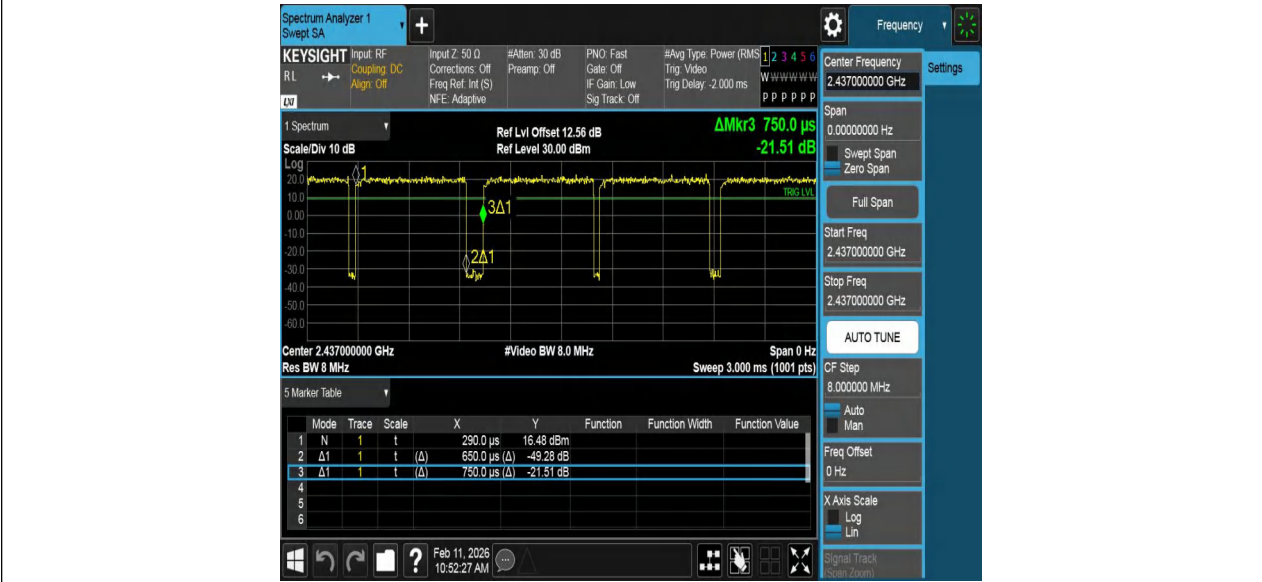
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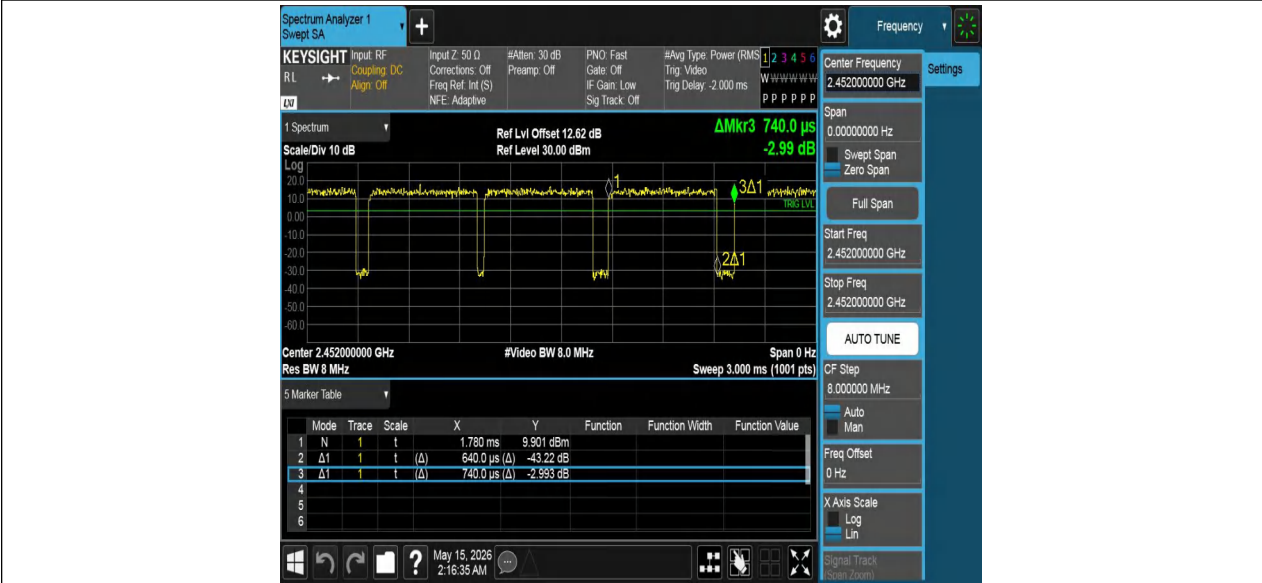
11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452