

RF TEST REPORT

FCC ID: 2ACYT-VBE2072

Test Report No.....: RF260408012-01-002

Product(s) Name.....: Network Module

Model(s).....: VBE2072-EM

Trade Mark.....: /

Applicant.....: SHENZHEN Hitevision Technology Co., Ltd.

Address.....: Honghe Mansion No. 1 Building A, 1 Danzi North Road,
Shatian,Kengzi Street, Pingshan District, Shenzhen, 518122
Guangdong, P.R. China

Receipt Date.....: 2026.04.22

Test Date.....: 2026.04.22~2026.06.26

Issued Date.....: 2026.07.06

Standards.....: 47 CFR FCC Part 15, Subpart E(Section 15.407)
ANSI C63.10-2020+Cor. 1-2023

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

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History of this test report

Original Report Issue Date: 2026.07.06

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. General Information

1.1 Applicant

SHENZHEN Hitevision Technology Co., Ltd.

Honghe Mansion No. 1 Building A, 1 Danzi North Road, Shatian, Kengzi Street, Pingshan District, Shenzhen, 518122 Guangdong, P.R. China

1.2 Manufacturer

SHENZHEN Hitevision Technology Co., Ltd.

Honghe Mansion No. 1 Building A, 1 Danzi North Road, Shatian, Kengzi Street, Pingshan District, Shenzhen, 518122 Guangdong, P.R. China

1.3 Basic Description of Equipment Under Test

No. Basic Description of Equipment Under Test				
Product No.	POC260408012-S006			
Equipment Name	Network Module			
Model Name	VBE2072-EM			
Trade Mark	/			
Power Supply	DC3.3V,4A (Provided by Android Circuit system)			
Operating Temperature	0℃-45℃			
EUT Stage	● Product Unit		○ Final-Sample	
Operating Band & Max Conducted Output Power	5150MHz ~5250MHz		WiFi 7 Chip (QCC2027PB): 11AX20MIMO 5320MHz 20.16dBm(0.103W)	
	5250MHz ~5350MHz			
	5470MHz ~5725MHz		WiFi 5 Chip (RTL8811CU): 11A 5580MHz 17.97dBm(0.0627W)	
	5725MHz ~5850MHz			
WiFi 7 Chip (QCC2027PB):				
Product Type	IEEE 802.11a: WLAN (SISO)			
	IEEE 802.11n/ac/ax/be: WLAN (MIMO)			
Nominal Bandwidth	20MHz / 40MHz / 80MHz / 160MHz			
Modulation	OFDM/OFDMA			
Data Rate (Mbps)	IEEE 11a mode : 6/9/12/18/24/36/48/54 IEEE 11n mode : up to 300 IEEE 11ac mode : up to 866 IEEE 11ax mode : up to 1201 IEEE 11be mode : up to 2882			
TPC Function	○	With TPC	●	Without TPC
Beamforming Function	○	With Beamforming	●	Without Beamforming
Operating Mode(s)	☐ Master			
	☒ Client device without radar detection			
	☐ Client device with radar detection			
Antenna gain	Ant1&Ant 2: 2.76dBi (The two antenna ports use the same type of antenna)			
Antenna type	PIFA Antenna			
WiFi 5 Chip (RTL8811CU):				
Product Type	IEEE 802.11a/n/ac: WLAN (SISO)			

Nominal Bandwidth	20MHz / 40MHz / 80MHz			
Modulation	OFDM			
Data Rate (Mbps)	IEEE 11a mode : 6/9/12/18/24/36/48/54 IEEE 11n mode : up to 150 IEEE 11ac mode : up to 433			
TPC Function	☐	With TPC	☒	Without TPC
Beamforming Function	☐	With Beamforming	☒	Without Beamforming
Operating Mode(s)	☐ Master ☒ Client device without radar detection ☐ Client device with radar detection			
Antenna gain	Ant3: 3.55dBi			
Antenna type	PIFA Antenna			

Note:

For more detailed features description, please refer to the manufacturer's or the User's manual of the EUT.

“●” indicates selection, “○” indicates non-selection.

1.4 Channel

WiFi 7 Chip (QCC2027PB):

Channel Information			
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	802.11a/n/ac/ax/be (20MHz)	5180-5240	36-48
5250-5350		5260-5320	52-64
5470-5725		5500-5700	100-140
5725-5850		5745-5825	149-165
5150-5250	802.11n/ac/ax/be (40MHz)	5190-5230	38-46
5250-5350		5270-5310	54-62
5470-5725		5510-5670	102-134
5725-5850		5755-5795	151-159
5150-5250	802.11ac/ax/be (80MHz)	5210	42
5250-5350		5290	58
5470-5725		5530-5610	106-122
5725-5850		5775	155
5150-5250	802.11ac/ax/be (160MHz)	5250	50
5250-5350			
5470-5725		5570	114

Note: For 802.11ax and 802.11be mode only support full RU mode.

WiFi 5 Chip (RTL8811CU):

Channel Information			
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	802.11a/n/ac (20MHz)	5180-5240	36-48
5250-5350		5260-5320	52-64
5470-5725		5500-5700	100-140
5725-5850		5745-5825	149-165
5150-5250	802.11n/ac (40MHz)	5190-5230	38-46
5250-5350		5270-5310	54-62
5470-5725		5510-5670	102-134
5725-5850		5755-5795	151-159
5150-5250	802.11ac (80MHz)	5210	42
5250-5350		5290	58
5470-5725		5530-5610	106-122
5725-5850		5775	155

1.5 Transmit Operating Mode

WiFi 7 Chip (QCC2027PB):

Transmit Operating Mode				Transmit Multiple Antennas			
☒	Operating mode 1 (single antenna)			☒	1TX		
☒	Operating mode 2 (multiple antenna, no beamforming)			☒	2TX	☐ 3TX	☐ 4TX
☐	Operating mode 3 (multiple antenna, with beamforming)			☐	2TX	☐ 3TX	☐ 4TX
☒	802.11a	Operating mode	☒ 1TX	☐ 2TX	☐ 3TX		
☒	802.11n(20MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX		
☒	802.11n(40MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ac(20MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ac(40MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ac(80MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ac(160MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ax(20MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ax(40MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ax(80MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ax(160MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11be(20MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11be(40MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11be(80MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	
☒	802.11be(160MHz)	Operating mode	☐ 1TX	☒ 2TX	☐ 3TX	☐ 4TX	

Note: This chip have 2 antennas, 802.11a support 2x2 SISO, 802.11n20/n40/ac20/ac40/ac80/ac160/ax20/ax40/ax80/ax160 /be20/be40/be80/be160 support 2x2 MIMO.

WiFi 5 Chip (RTL8811CU):

Transmit Operating Mode				Transmit Multiple Antennas			
☒	Operating mode 1 (single antenna)			☒	1TX		
☐	Operating mode 2 (multiple antenna, no beamforming)			☐	2TX	☐ 3TX	☐ 4TX
☐	Operating mode 3 (multiple antenna, with beamforming)			☐	2TX	☐ 3TX	☐ 4TX
☒	802.11a	Operating mode	☒ 1TX	☐ 2TX	☐ 3TX		
☒	802.11n(20MHz)	Operating mode	☒ 1TX	☐ 2TX	☐ 3TX		
☒	802.11n(40MHz)	Operating mode	☒ 1TX	☐ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ac(20MHz)	Operating mode	☒ 1TX	☐ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ac(40MHz)	Operating mode	☒ 1TX	☐ 2TX	☐ 3TX	☐ 4TX	
☒	802.11ac(80MHz)	Operating mode	☒ 1TX	☐ 2TX	☐ 3TX	☐ 4TX	
☐	802.11ax(20MHz)	Operating mode	☐ 1TX	☐ 2TX	☐ 3TX	☐ 4TX	
☐	802.11ax(40MHz)	Operating mode	☐ 1TX	☐ 2TX	☐ 3TX	☐ 4TX	
☐	802.11ax(80MHz)	Operating mode	☐ 1TX	☐ 2TX	☐ 3TX	☐ 4TX	

Note: This chip has 1 antenna and support the SISO transmission mode only.

1.6 Directional gain

WiFi 7 Chip (QCC2027PB):

The formula for calculation is as follows(KDB 662911 D01 Multiple Transmitter Output v02r01):

- (i) If all antennas have the same gain, G_{ANT} :
- Directional gain* = $G_{ANT} + 10 \log(N_{ANT}/N_{SS})$ dBi, where N_{SS} = the number of independent spatial streams of data and G_{ANT} is the antenna gain in dBi. (This formula can also be applied when antennas have different gains if the highest antenna gain is substituted for G_{ANT} .)

5GHz Ant1 gain=2.76dBi

5GHz Ant2 gain=2.76dBi

5GHz Directional gain=2.76+10*log(2/1)=5.77dBi

For 5GHz function:

For IEEE 802.11a(1TX/1RX): Ant1 and Ant2 could not transmit/receive simultaneously.

For IEEE 802.11n/ac/ax/be(2TX/2RX): Ant1 and Ant2 could transmit/receive simultaneously.

2. Summary of Test Results

2.1 Summary of Test Items

47 CFR FCC Part 15, Subpart E (Section 15.407)			
Test item	Standard	Results	Remarks
AC Power Conducted Emission	15.207 15.407(b)	Pass	Meet the requirement of the limit
Radiated Emission	15.205(a) 15.209(a) 15.407(b)	Pass	Meet the requirement of the limit
Antenna Requirements	15.203	Compliance	Note
Spectrum Bandwidth	15.407(a) 15.407(e)	Pass	Meet the requirement of the limit
Conducted Output Power	15.407(a)	Pass	Meet the requirement of the limit
Power Spectral Density	15.407(a)	Pass	Meet the requirement of the limit
Dynamic Frequency Selection (DFS)	15.407(h)	Pass	See the report RF260408012-01-003 for details
Note: The EUT has 3 PIFA antennas arrangement which was permanently attached.			

2.2 Application of Standard

47 CFR FCC Part 15, Subpart E(Section 15.407)

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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2.3 Test Instruments

Radiated Emission							
No.	Name of Equipment	Manufacturer	Model Number	Serial Number	Inventory No.	Last Calibration	Due Calibration
1	Test receiver	Rohde&Schwarz	ESU	100184	JLE011	2026/2/27	2027/2/26
2	Log periodic antenna	Schwarzbeck	VULB 9168	1151	JLE012	2025/4/12	2028/4/11
3	Low frequency amplifier	/	LNA 0920N	2014	JLE023	2026/2/27	2027/2/26
4	High frequency amplifier	Schwarzbeck	BBV 9718	9718-284	JLE024	2026/2/27	2027/2/26
5	Horn Antenna	SCHWARZBECK	BBHA 9120 D	02670	JLE028	2025/4/12	2028/4/11
6	Temp&Humidity Recorder	Meideshi	JR900	/	JLE021	2026/4/8	2027/4/7
7	Horn Antenna	SCHWARZBECK	BBHA 9170	9170#685	JLE029	2024/7/15	2027/7/14
8	Loop Antenna	SCHWARZBECK	FMZB1519B	00029	JLE030	2024/7/15	2027/7/14
9	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	JLE025	2026/2/27	2027/2/26
10	Emission Reject Filter Group	Tonscend	JS0806-F	20G8060292	JLE015	2025/10/11	2026/10/10
11	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
RF Conducted Emissions							
No.	Equipment	Manufacturer	Type No.	Serial No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal. Due date (yyyy/mm/dd)
1	MXA Signal Analyzer	Keysight	N9010A	MY51440158	JLE087	2025/9/15	2026/9/14
2	MXA Signal Analyzer	Agilent	N9020A	MY52220022	JLE090	2026/1/19	2027/1/18
3	RF Control Unit	dsusoft	JS0806-2	21G8060449	JLE053	2026/2/27	2027/2/26
4	power supply unit	dsusoft	JS0806-4ADC	N/A	JLE055	2026/2/27	2027/2/26
5	VXG Signal Generator	Keysight	M9384B	MY61270787	JLE051	2025/6/10	2026/6/9
6	EXG Analog Signal Generator	Keysight	N5173B	MY59101282	JLE052	2026/2/27	2027/2/26
7	Wideband Radio Communication Tester	Rohde&Schwarz	CMW500	1201.0002K50-116064-Dt	JLE054	2026/2/27	2027/2/26
8	Test software	dsusoft	JS1120-3 Ver.3.2.22.0				
Conducted Emission							

No.	Equipment	Manufacturer	Type No.	Serial No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal. Due date (yyyy/mm/dd)
1	LISN	Rohde&Schwarz	ENV216	100075	JLE002	2026/2/27	2027/2/26
2	Test receiver	Rohde&Schwarz	ESCI	100718	JLE010	2026/2/27	2027/2/26
3	Pulse limiter	Rohde&Schwarz	ESH3-Z2	102299	JLE047	2026/2/27	2027/2/26
4	Temp&Humidity Recorder	Meideshi	JR900	/	JLE020	2026/4/8	2027/4/7
5	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				

2.4 Operation Mode

The EUT was supplied by applicant and it was run in TX mode that was controlled by Master provided RF testing program.

For Radiated Emission test, evaluated A/AC20/AC40/AC80/AC160/BE20/BE40/BE80/BE160 mode only. Due to similar modulation. the power setting of N20/N40/AX20/AX40/AX80/AX160 mode are the same or lower than AC20/AC40/BE20/BE40/BE80/BE160.

The worst case test result was showed in the report.

2.5 Test Condition

Test Item	Environmental conditions	Input Power	Tested by
AC Power Conducted Emission	25°C, 53% RH	AC 120V/60Hz	Keith Huang
Radiated Emission	24°C, 51% RH	AC 120V/60Hz	Lemon He
Spectrum Bandwidth	24.4°C, 53% RH	AC 120V/60Hz	Lemon He
Conducted Power	24.4°C, 53% RH	AC 120V/60Hz	Lemon He
Power Spectral Density	24.4°C, 53% RH	AC 120V/60Hz	Lemon He

Note: The EUT is connected to the computer through a PCIe-to-M.2 adapter card and is set to fixed-frequency continuous transmission mode via CMD commands to perform measurements. The test computer operates under AC 120V/60Hz.

2.6 Duty Cycle of Test Signal

If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

All the duty factor of other test mode have been considered.

WiFi 7 Chip (QCC2027PB):

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
11A	Ant1	5180	2.09	2.11	99.05	0.04
	Ant2	5180	2.10	2.12	99.06	0.04
	Ant1	5200	2.10	2.11	99.53	0.02
	Ant2	5200	2.10	2.12	99.06	0.04
	Ant1	5240	2.10	2.12	99.06	0.04
	Ant2	5240	2.10	2.11	99.53	0.02
	Ant1	5260	2.09	2.11	99.05	0.04
	Ant2	5260	2.10	2.12	99.06	0.04
	Ant1	5280	2.09	2.11	99.05	0.04
	Ant2	5280	2.09	2.11	99.05	0.04
	Ant1	5320	2.10	2.12	99.06	0.04
	Ant2	5320	2.09	2.11	99.05	0.04
	Ant1	5500	2.10	2.12	99.06	0.04
	Ant2	5500	2.10	2.12	99.06	0.04
	Ant1	5580	2.09	2.11	99.05	0.04
	Ant2	5580	2.10	2.12	99.06	0.04
	Ant1	5700	2.10	2.12	99.06	0.04
	Ant2	5700	2.10	2.12	99.06	0.04
	Ant1	5745	2.09	2.11	99.05	0.04
	Ant2	5745	2.10	2.11	99.53	0.02
	Ant1	5785	2.10	2.12	99.06	0.04
	Ant2	5785	2.10	2.11	99.53	0.02
	Ant1	5825	2.10	2.11	99.53	0.02
	Ant2	5825	2.09	2.11	99.05	0.04
11N20MIMO	Ant1	5180	5.43	5.44	99.82	0.01
	Ant2	5180	5.43	5.45	99.63	0.02
	Ant1	5200	5.43	5.45	99.63	0.02
	Ant2	5200	5.43	5.45	99.63	0.02
	Ant1	5240	5.42	5.44	99.63	0.02
	Ant2	5240	5.43	5.45	99.63	0.02
	Ant1	5260	5.42	5.44	99.63	0.02
	Ant2	5260	5.43	5.45	99.63	0.02
	Ant1	5280	5.43	5.45	99.63	0.02
	Ant2	5280	5.43	5.45	99.63	0.02

	Ant1	5320	5.42	5.44	99.63	0.02
	Ant2	5320	5.42	5.44	99.63	0.02
	Ant1	5500	5.42	5.44	99.63	0.02
	Ant2	5500	5.43	5.44	99.82	0.01
	Ant1	5580	5.43	5.45	99.63	0.02
	Ant2	5580	5.43	5.45	99.63	0.02
	Ant1	5700	5.43	5.45	99.63	0.02
	Ant2	5700	5.42	5.44	99.63	0.02
	Ant1	5745	5.43	5.45	99.63	0.02
	Ant2	5745	5.43	5.45	99.63	0.02
	Ant1	5785	5.43	5.45	99.63	0.02
	Ant2	5785	5.43	5.45	99.63	0.02
	Ant1	5825	5.42	5.44	99.63	0.02
	Ant2	5825	5.43	5.45	99.63	0.02
11N40MIMO	Ant1	5190	5.43	5.45	99.63	0.02
	Ant2	5190	5.43	5.45	99.63	0.02
	Ant1	5230	5.43	5.45	99.63	0.02
	Ant2	5230	5.43	5.44	99.82	0.01
	Ant1	5270	5.43	5.45	99.63	0.02
	Ant2	5270	5.43	5.45	99.63	0.02
	Ant1	5310	5.42	5.44	99.63	0.02
	Ant2	5310	5.43	5.45	99.63	0.02
	Ant1	5510	5.43	5.45	99.63	0.02
	Ant2	5510	5.43	5.44	99.82	0.01
	Ant1	5550	5.43	5.45	99.63	0.02
	Ant2	5550	5.43	5.45	99.63	0.02
	Ant1	5670	5.43	5.45	99.63	0.02
	Ant2	5670	5.43	5.45	99.63	0.02
	Ant1	5755	5.43	5.44	99.82	0.01
	Ant2	5755	5.43	5.45	99.63	0.02
	Ant1	5795	5.42	5.44	99.63	0.02
	Ant2	5795	5.42	5.44	99.63	0.02
11AC20MIMO	Ant1	5180	5.43	5.45	99.63	0.02
	Ant2	5180	5.43	5.45	99.63	0.02
	Ant1	5200	5.42	5.44	99.63	0.02
	Ant2	5200	5.43	5.45	99.63	0.02
	Ant1	5240	5.43	5.45	99.63	0.02
	Ant2	5240	5.43	5.44	99.82	0.01
	Ant1	5260	5.43	5.45	99.63	0.02
	Ant2	5260	5.43	5.44	99.82	0.01
	Ant1	5280	5.43	5.44	99.82	0.01
	Ant2	5280	5.42	5.44	99.63	0.02
	Ant1	5320	5.43	5.45	99.63	0.02

	Ant2	5320	5.43	5.45	99.63	0.02
	Ant1	5500	5.43	5.45	99.63	0.02
	Ant2	5500	5.42	5.44	99.63	0.02
	Ant1	5580	5.43	5.45	99.63	0.02
	Ant2	5580	5.43	5.45	99.63	0.02
	Ant1	5700	5.42	5.44	99.63	0.02
	Ant2	5700	5.43	5.45	99.63	0.02
	Ant1	5745	5.43	5.45	99.63	0.02
	Ant2	5745	5.43	5.44	99.82	0.01
	Ant1	5785	5.43	5.45	99.63	0.02
	Ant2	5785	5.43	5.45	99.63	0.02
	Ant1	5825	5.42	5.44	99.63	0.02
	Ant2	5825	5.43	5.44	99.82	0.01
11AC40MIMO	Ant1	5190	5.43	5.44	99.82	0.01
	Ant2	5190	5.43	5.45	99.63	0.02
	Ant1	5230	5.42	5.44	99.63	0.02
	Ant2	5230	5.43	5.45	99.63	0.02
	Ant1	5270	5.43	5.45	99.63	0.02
	Ant2	5270	5.43	5.44	99.82	0.01
	Ant1	5310	5.43	5.45	99.63	0.02
	Ant2	5310	5.43	5.45	99.63	0.02
	Ant1	5510	5.43	5.45	99.63	0.02
	Ant2	5510	5.43	5.45	99.63	0.02
	Ant1	5550	5.43	5.45	99.63	0.02
	Ant2	5550	5.43	5.44	99.82	0.01
	Ant1	5670	5.43	5.45	99.63	0.02
	Ant2	5670	5.43	5.45	99.63	0.02
	Ant1	5755	5.43	5.45	99.63	0.02
	Ant2	5755	5.42	5.44	99.63	0.02
	Ant1	5795	5.42	5.44	99.63	0.02
	Ant2	5795	5.43	5.45	99.63	0.02
11AC80MIMO	Ant1	5210	5.43	5.45	99.63	0.02
	Ant2	5210	5.43	5.45	99.63	0.02
	Ant1	5290	5.43	5.45	99.63	0.02
	Ant2	5290	5.43	5.45	99.63	0.02
	Ant1	5530	5.43	5.44	99.82	0.01
	Ant2	5530	5.43	5.45	99.63	0.02
	Ant1	5610	5.43	5.45	99.63	0.02
	Ant2	5610	5.43	5.44	99.82	0.01
	Ant1	5775	5.42	5.44	99.63	0.02
	Ant2	5775	5.42	5.44	99.63	0.02
11AC160MIMO	Ant1	5250	5.43	5.45	99.63	0.02
	Ant2	5250	5.43	5.45	99.63	0.02

	Ant1	5570	5.43	5.45	99.63	0.02
	Ant2	5570	5.43	5.45	99.63	0.02
11AX20MIMO	Ant1	5180	5.44	5.46	99.63	0.02
	Ant2	5180	5.44	5.46	99.63	0.02
	Ant1	5200	5.45	5.47	99.63	0.02
	Ant2	5200	5.45	5.47	99.63	0.02
	Ant1	5240	5.44	5.46	99.63	0.02
	Ant2	5240	5.45	5.47	99.63	0.02
	Ant1	5260	5.45	5.47	99.63	0.02
	Ant2	5260	5.44	5.46	99.63	0.02
	Ant1	5280	5.44	5.46	99.63	0.02
	Ant2	5280	5.44	5.46	99.63	0.02
	Ant1	5320	5.45	5.46	99.82	0.01
	Ant2	5320	5.44	5.46	99.63	0.02
	Ant1	5500	5.44	5.46	99.63	0.02
	Ant2	5500	5.44	5.46	99.63	0.02
	Ant1	5580	5.44	5.46	99.63	0.02
	Ant2	5580	5.45	5.47	99.63	0.02
	Ant1	5700	5.45	5.47	99.63	0.02
	Ant2	5700	5.45	5.46	99.82	0.01
	Ant1	5745	5.44	5.46	99.63	0.02
	Ant2	5745	5.45	5.46	99.82	0.01
	Ant1	5785	5.45	5.47	99.63	0.02
	Ant2	5785	5.45	5.47	99.63	0.02
	Ant1	5825	5.45	5.47	99.63	0.02
	Ant2	5825	5.44	5.46	99.63	0.02
11AX40MIMO	Ant1	5190	5.45	5.47	99.63	0.02
	Ant2	5190	5.45	5.46	99.82	0.01
	Ant1	5230	5.44	5.46	99.63	0.02
	Ant2	5230	5.45	5.46	99.82	0.01
	Ant1	5270	5.44	5.46	99.63	0.02
	Ant2	5270	5.44	5.46	99.63	0.02
	Ant1	5310	5.45	5.47	99.63	0.02
	Ant2	5310	5.44	5.46	99.63	0.02
	Ant1	5510	5.44	5.46	99.63	0.02
	Ant2	5510	5.44	5.46	99.63	0.02
	Ant1	5550	5.44	5.46	99.63	0.02
	Ant2	5550	5.45	5.46	99.82	0.01
	Ant1	5670	5.45	5.46	99.82	0.01
	Ant2	5670	5.44	5.46	99.63	0.02
	Ant1	5755	5.44	5.46	99.63	0.02
	Ant2	5755	5.45	5.46	99.82	0.01
	Ant1	5795	5.44	5.46	99.63	0.02

	Ant2	5795	5.44	5.46	99.63	0.02
11AX80MIMO	Ant1	5210	5.45	5.47	99.63	0.02
	Ant2	5210	5.45	5.46	99.82	0.01
	Ant1	5290	5.45	5.47	99.63	0.02
	Ant2	5290	5.45	5.47	99.63	0.02
	Ant1	5530	5.45	5.46	99.82	0.01
	Ant2	5530	5.44	5.46	99.63	0.02
	Ant1	5610	5.45	5.47	99.63	0.02
	Ant2	5610	5.44	5.46	99.63	0.02
	Ant1	5775	5.44	5.46	99.63	0.02
	Ant2	5775	5.44	5.46	99.63	0.02
11AX160MIMO	Ant1	5250	5.45	5.46	99.82	0.01
	Ant2	5250	5.44	5.46	99.63	0.02
	Ant1	5570	5.44	5.46	99.63	0.02
	Ant2	5570	5.44	5.46	99.63	0.02
11BE20MIMO	Ant1	5180	5.46	5.47	99.82	0.01
	Ant2	5180	5.45	5.47	99.63	0.02
	Ant1	5200	5.45	5.47	99.63	0.02
	Ant2	5200	5.45	5.47	99.63	0.02
	Ant1	5240	5.45	5.47	99.63	0.02
	Ant2	5240	5.45	5.47	99.63	0.02
	Ant1	5260	5.45	5.47	99.63	0.02
	Ant2	5260	5.45	5.47	99.63	0.02
	Ant1	5280	5.45	5.47	99.63	0.02
	Ant2	5280	5.46	5.47	99.82	0.01
	Ant1	5320	5.45	5.47	99.63	0.02
	Ant2	5320	5.45	5.47	99.63	0.02
	Ant1	5500	5.45	5.47	99.63	0.02
	Ant2	5500	5.45	5.47	99.63	0.02
	Ant1	5580	5.45	5.47	99.63	0.02
	Ant2	5580	5.45	5.47	99.63	0.02
	Ant1	5700	5.45	5.47	99.63	0.02
	Ant2	5700	5.45	5.47	99.63	0.02
	Ant1	5745	5.46	5.47	99.82	0.01
	Ant2	5745	5.45	5.47	99.63	0.02
	Ant1	5785	5.45	5.47	99.63	0.02
	Ant2	5785	5.45	5.47	99.63	0.02
	Ant1	5825	5.46	5.47	99.82	0.01
	Ant2	5825	5.45	5.47	99.63	0.02
11BE40MIMO	Ant1	5190	5.46	5.47	99.82	0.01
	Ant2	5190	5.46	5.47	99.82	0.01
	Ant1	5230	5.45	5.47	99.63	0.02
	Ant2	5230	5.45	5.47	99.63	0.02

	Ant1	5270	5.45	5.47	99.63	0.02
	Ant2	5270	5.45	5.47	99.63	0.02
	Ant1	5310	5.46	5.47	99.82	0.01
	Ant2	5310	5.45	5.47	99.63	0.02
	Ant1	5510	5.46	5.47	99.82	0.01
	Ant2	5510	5.45	5.47	99.63	0.02
	Ant1	5550	5.45	5.47	99.63	0.02
	Ant2	5550	5.45	5.47	99.63	0.02
	Ant1	5670	5.45	5.47	99.63	0.02
	Ant2	5670	5.45	5.47	99.63	0.02
	Ant1	5755	5.45	5.47	99.63	0.02
	Ant2	5755	5.45	5.47	99.63	0.02
	Ant1	5795	5.45	5.47	99.63	0.02
	Ant2	5795	5.45	5.47	99.63	0.02
11BE80MIMO	Ant1	5210	5.45	5.47	99.63	0.02
	Ant2	5210	5.45	5.47	99.63	0.02
	Ant1	5290	5.46	5.47	99.82	0.01
	Ant2	5290	5.45	5.47	99.63	0.02
	Ant1	5530	5.45	5.47	99.63	0.02
	Ant2	5530	5.45	5.47	99.63	0.02
	Ant1	5610	5.45	5.47	99.63	0.02
	Ant2	5610	5.45	5.47	99.63	0.02
	Ant1	5775	5.46	5.47	99.82	0.01
	Ant2	5775	5.45	5.47	99.63	0.02
11BE160MIMO	Ant1	5250	5.46	5.47	99.82	0.01
	Ant2	5250	5.45	5.47	99.63	0.02
	Ant1	5570	5.45	5.47	99.63	0.02
	Ant2	5570	5.45	5.47	99.63	0.02

WiFi 5 Chip (RTL8811CU):

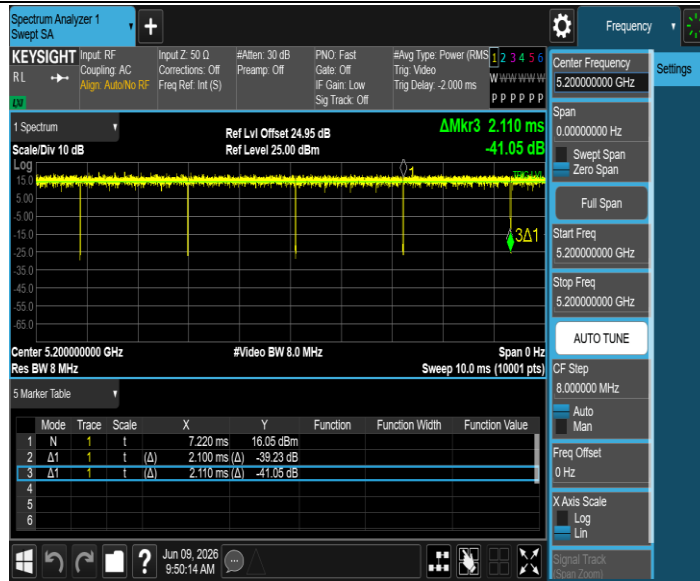
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
11A	Ant3	5180	1.36	1.42	95.77	0.19
		5200	1.36	1.41	96.45	0.16
		5240	1.36	1.41	96.45	0.16
		5260	1.36	1.41	96.45	0.16
		5280	1.36	1.42	95.77	0.19
		5320	1.36	1.41	96.45	0.16
		5500	1.36	1.42	95.77	0.19
		5580	1.36	1.41	96.45	0.16
		5700	1.36	1.41	96.45	0.16
		5745	1.36	1.42	95.77	0.19
		5785	1.36	1.42	95.77	0.19
		5825	1.36	1.41	96.45	0.16
11N20SISO	Ant3	5180	1.27	1.33	95.49	0.20
		5200	1.27	1.32	96.21	0.17
		5240	1.27	1.33	95.49	0.20
		5260	1.27	1.32	96.21	0.17
		5280	1.28	1.33	96.24	0.17
		5320	1.27	2.27	55.95	2.52
		5500	1.27	1.33	95.49	0.20
		5580	1.27	1.32	96.21	0.17
		5700	1.28	1.33	96.24	0.17
		5745	1.27	1.33	95.49	0.20
		5785	1.27	1.32	96.21	0.17
		5825	1.27	1.33	95.49	0.20
11N40SISO	Ant3	5190	0.63	0.68	92.65	0.33
		5230	0.63	0.69	91.30	0.40
		5270	0.64	0.69	92.75	0.33
		5310	0.64	0.69	92.75	0.33
		5510	0.57	0.63	90.48	0.43
		5550	0.57	0.63	90.48	0.43
		5670	0.57	0.63	90.48	0.43
		5755	0.57	0.62	91.94	0.36
		5795	0.57	0.63	90.48	0.43
11AC20SISO	Ant3	5180	1.15	1.21	95.04	0.22
		5200	1.15	1.20	95.83	0.18
		5240	1.14	1.20	95.00	0.22
		5260	1.15	1.20	95.83	0.18
		5280	1.15	1.20	95.83	0.18
		5320	1.15	1.20	95.83	0.18
		5500	1.16	1.21	95.87	0.18

		5580	1.15	1.21	95.04	0.22
		5700	1.15	1.21	95.04	0.22
		5745	1.16	1.21	95.87	0.18
		5785	1.16	1.21	95.87	0.18
		5825	1.15	1.21	95.04	0.22
11AC40SISO	Ant3	5190	0.58	0.63	92.06	0.36
		5230	0.57	0.63	90.48	0.43
		5270	0.58	0.63	92.06	0.36
		5310	0.57	0.63	90.48	0.43
		5510	0.58	0.63	92.06	0.36
		5550	0.57	0.63	90.48	0.43
		5670	0.57	0.63	90.48	0.43
		5755	0.57	0.63	90.48	0.43
		5795	0.58	0.63	92.06	0.36
11AC80SISO	Ant3	5210	0.32	0.37	86.49	0.63
		5290	0.32	0.37	86.49	0.63
		5530	0.31	0.37	83.78	0.77
		5610	0.31	0.37	83.78	0.77
		5775	0.32	0.37	86.49	0.63

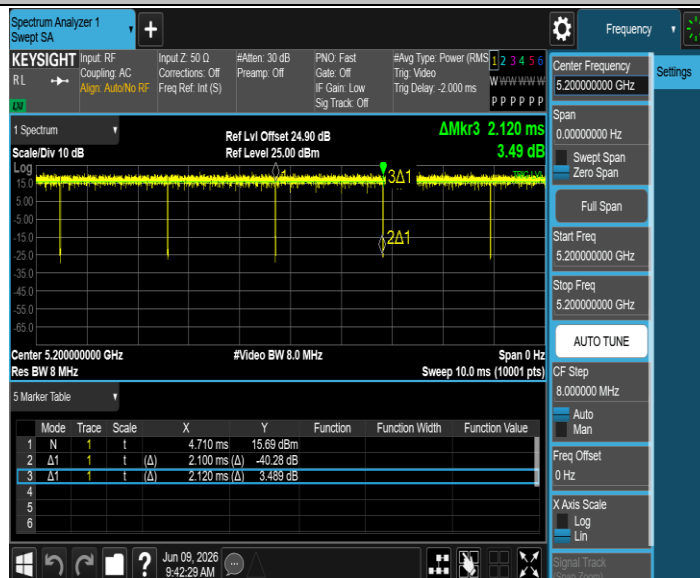
Test Graphs

WiFi 7 Chip (QCC2027PB):

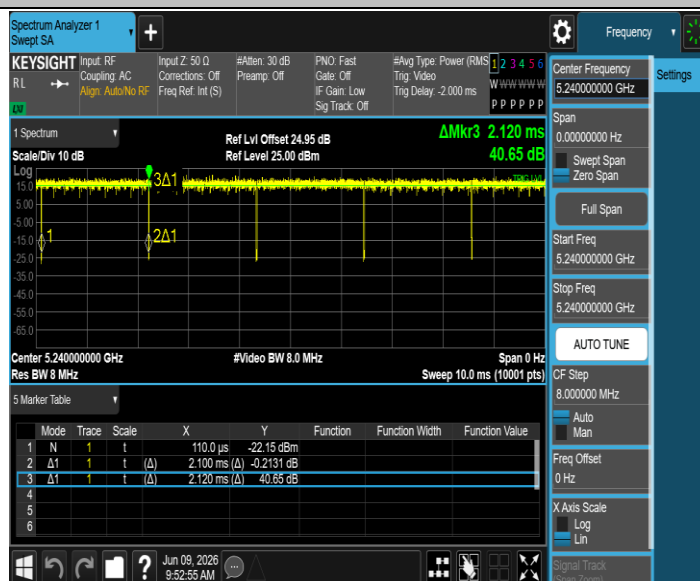




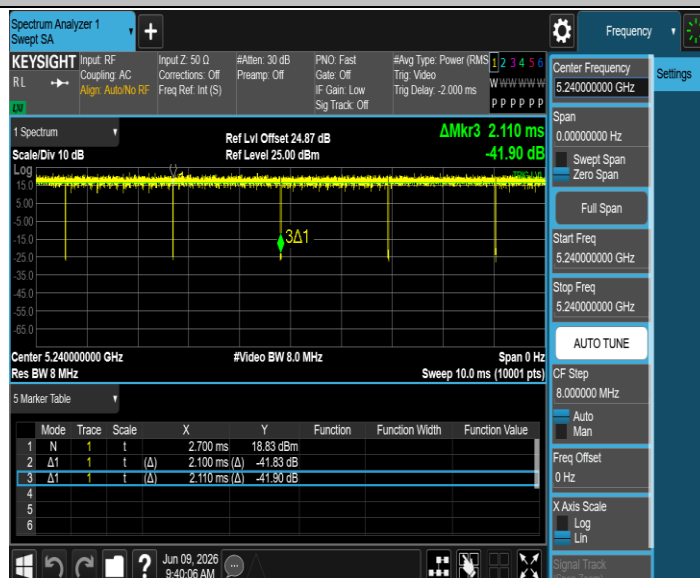
11A_Ant2_5200



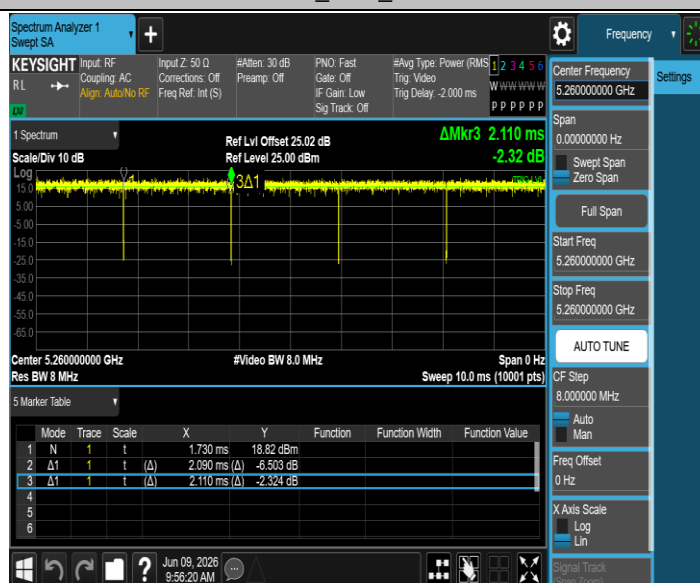
11A_Ant1_5240



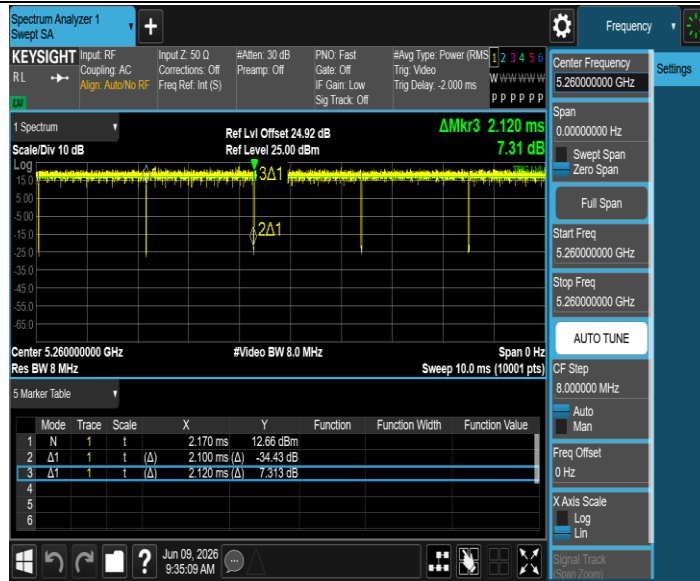
11A_Ant2_5240



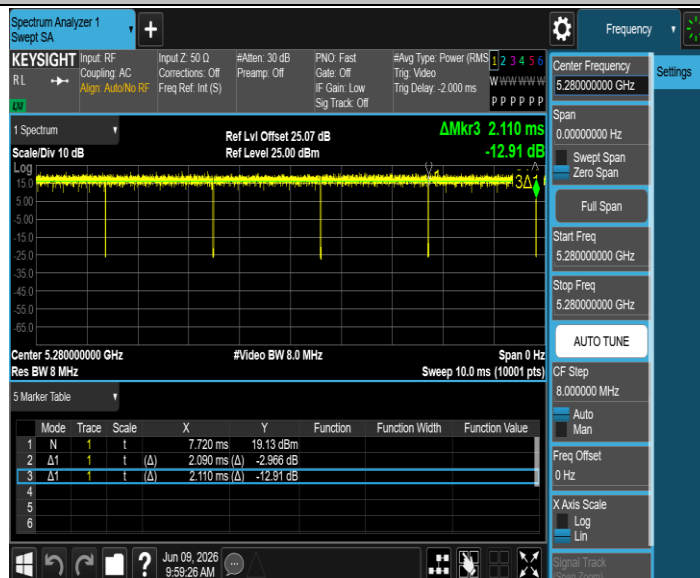
11A Ant1 5260



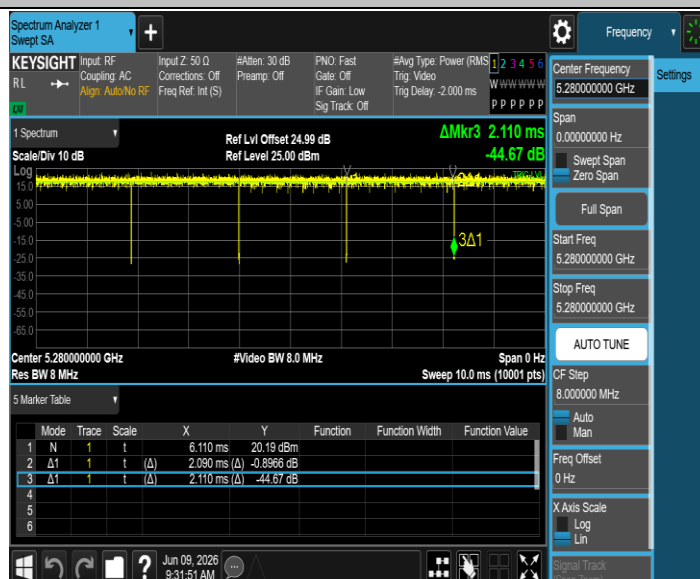
11A Ant2 5260



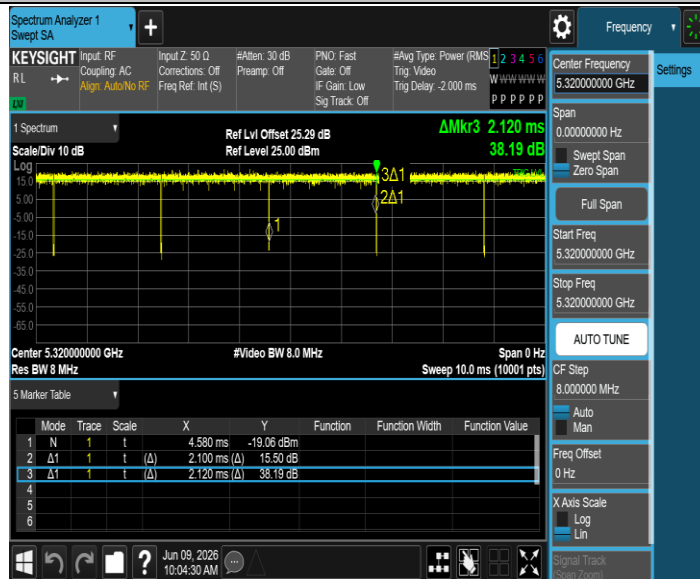
11A_Ant1_5280



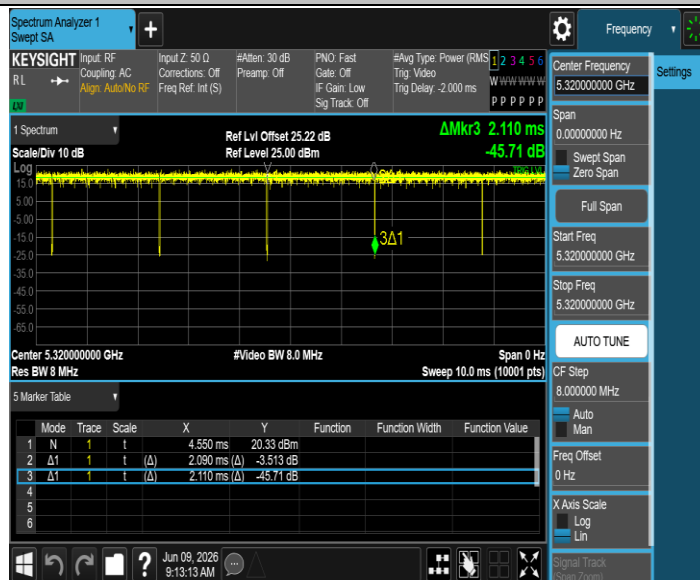
11A_Ant2_5280



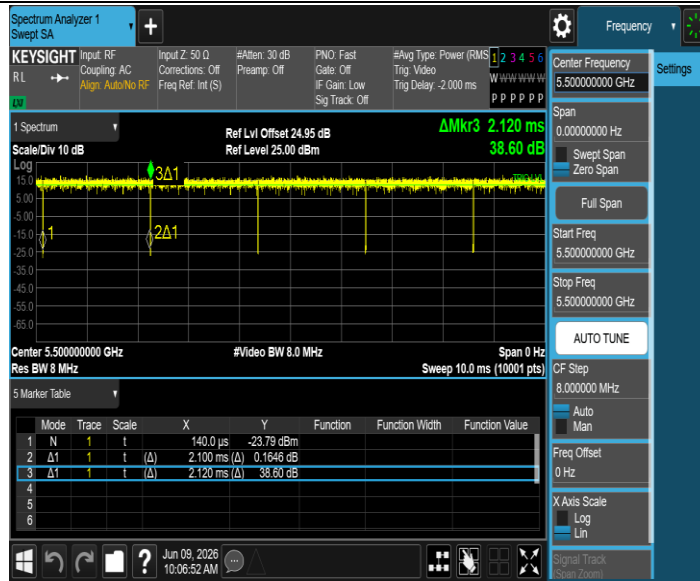
11A_Ant1_5320



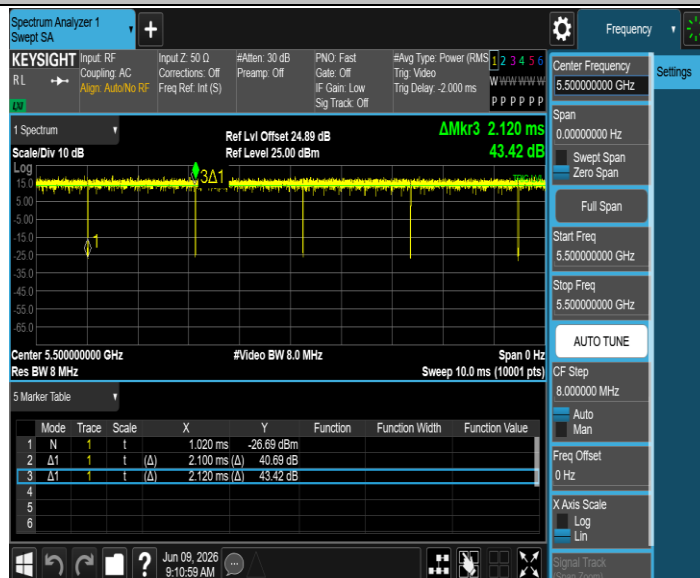
11A_Ant2_5320



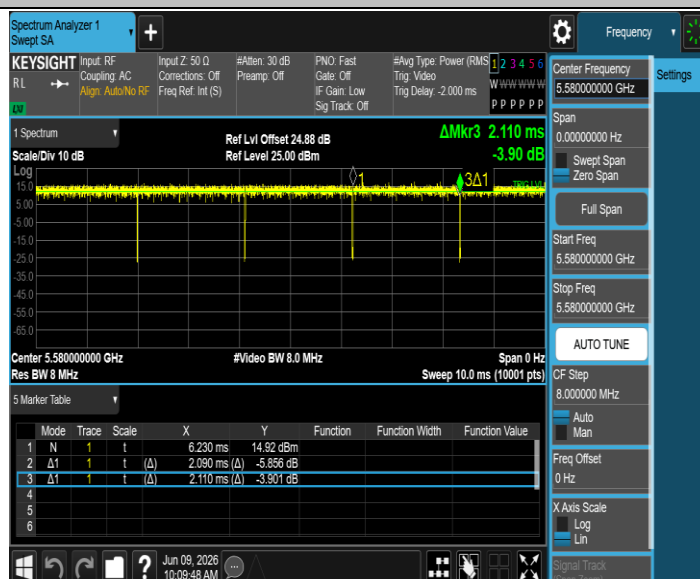
11A_Ant1_5500



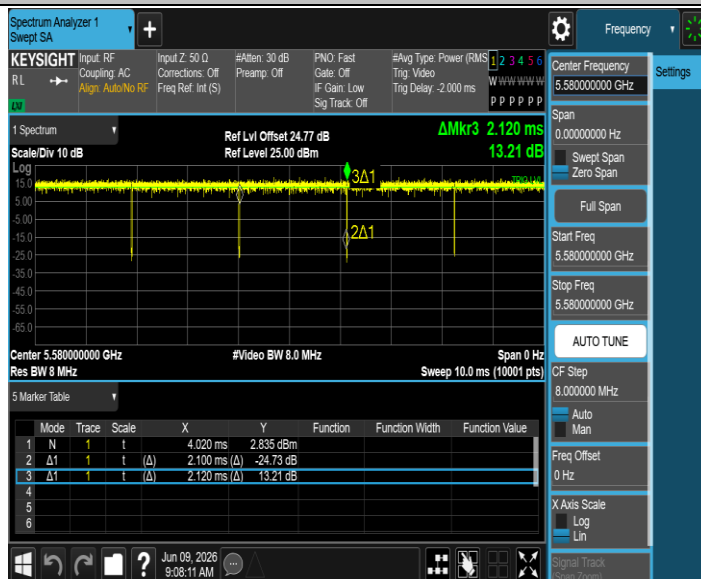
11A_Ant2_5500



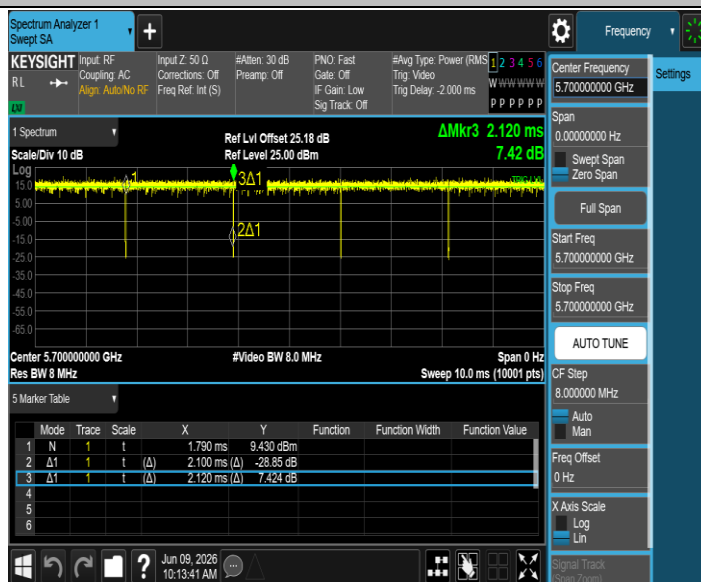
11A_Ant1_5580



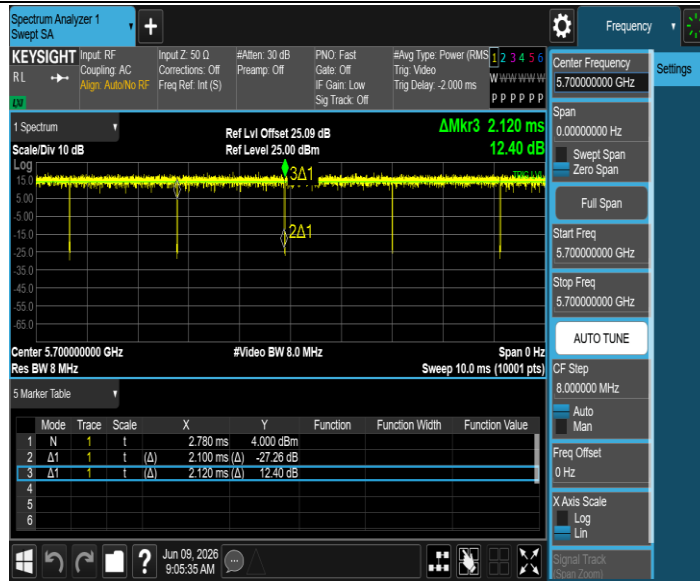
11A_Ant2_5580



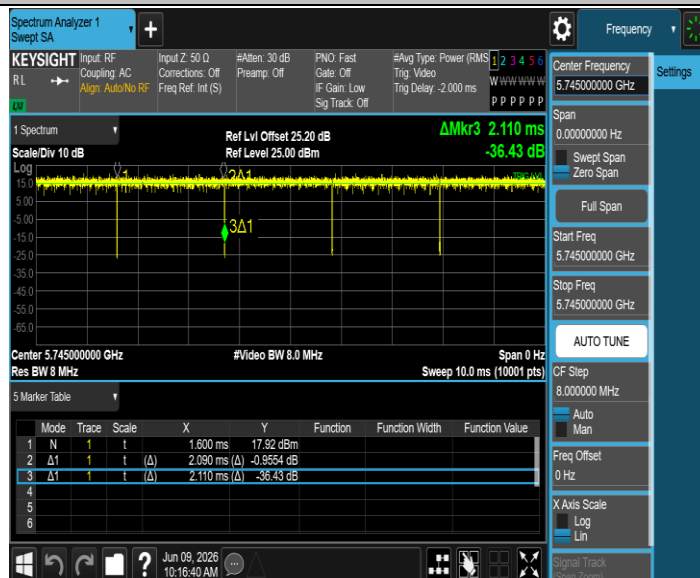
11A Ant1 5700



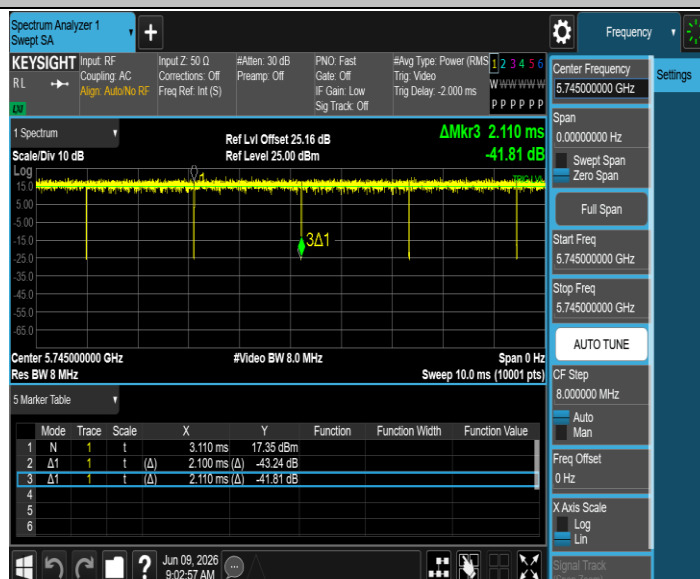
11A Ant2 5700



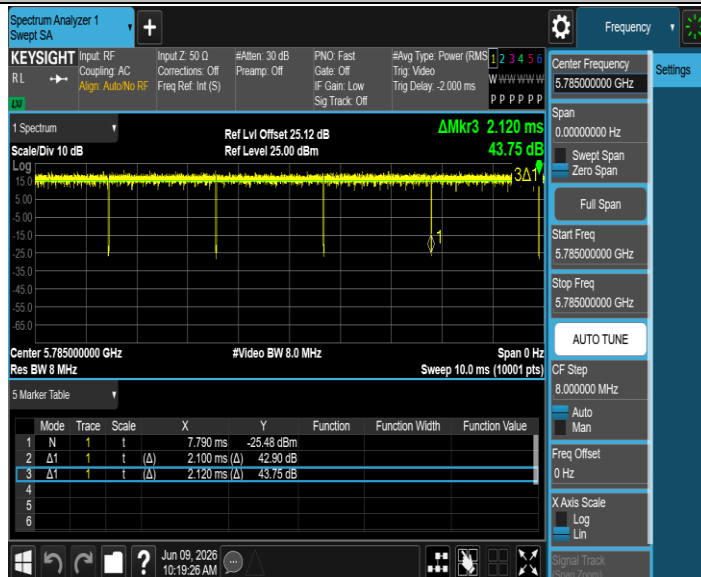
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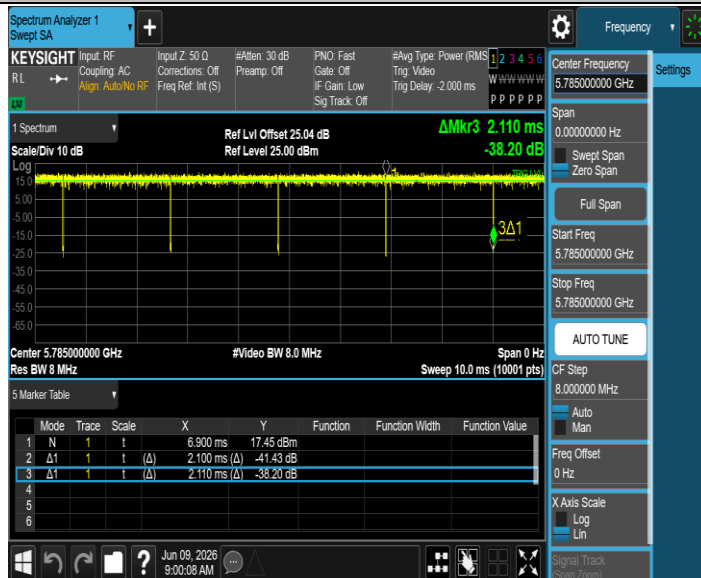
11A_Ant2_5745



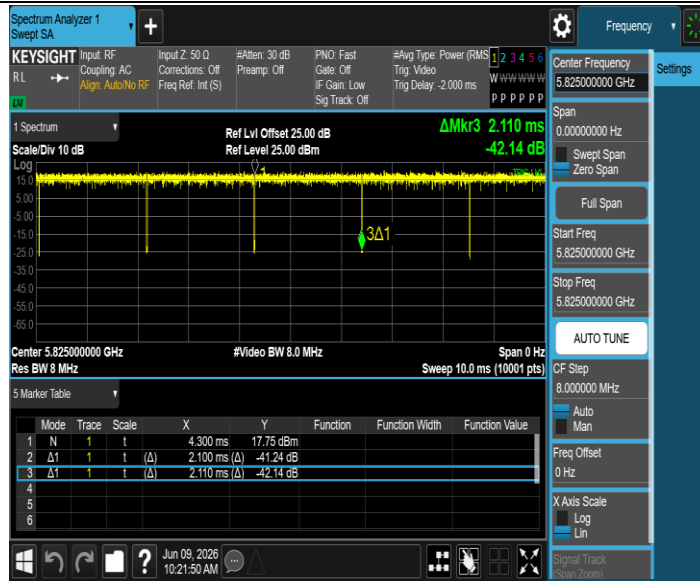
11A_Ant1_5785



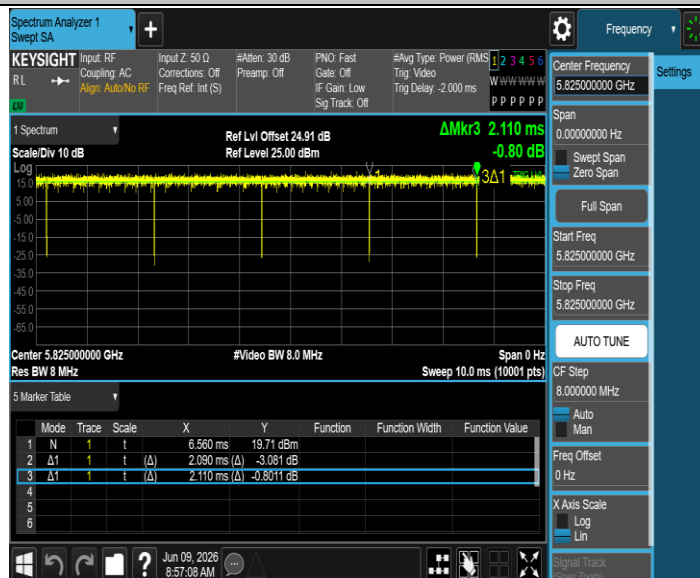
11A Ant2 5785



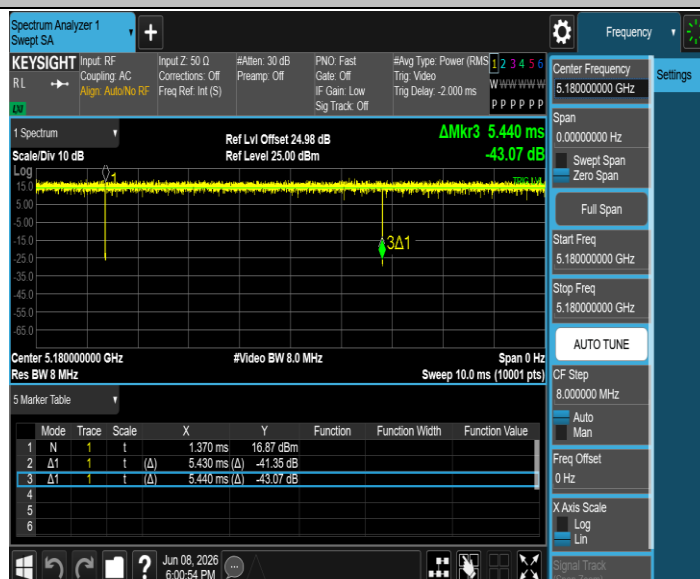
11A_Ant1_5825



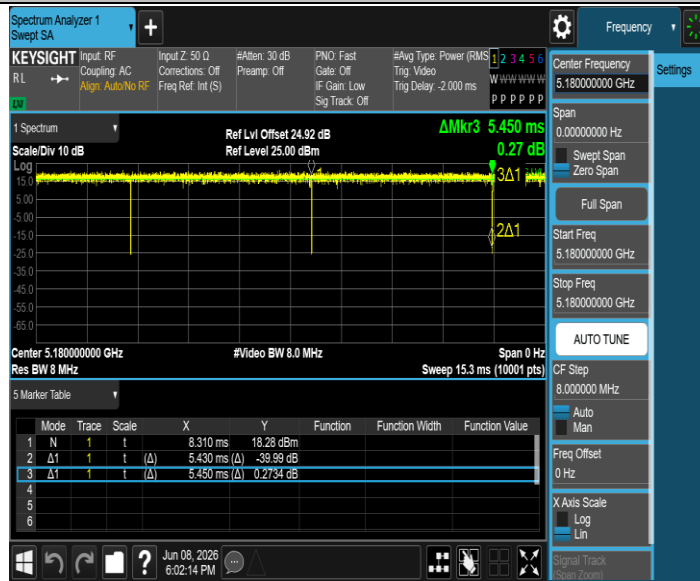
11A_Ant2_5825



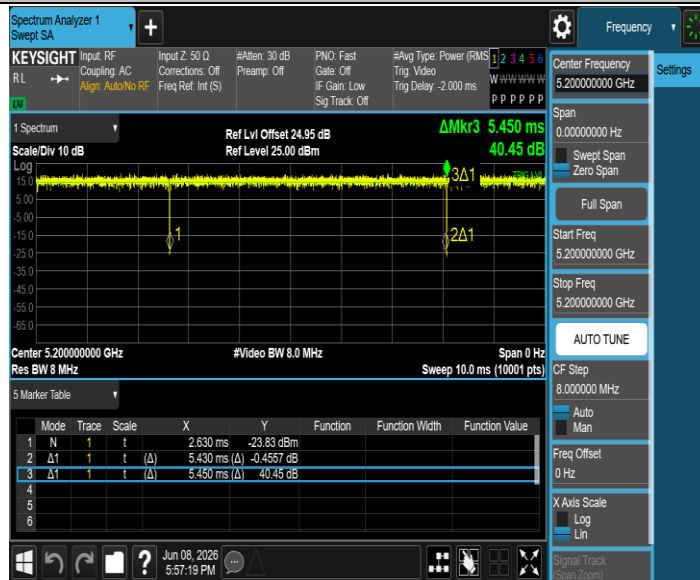
11N20MIMO_Ant1_5180



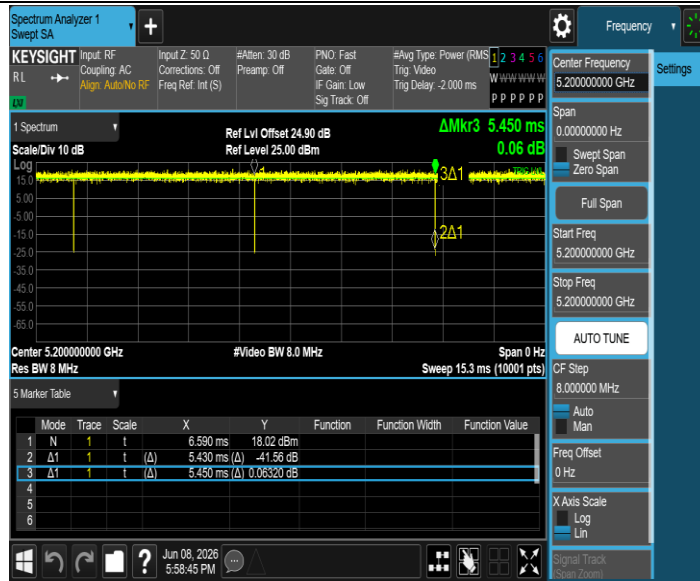
11N20MIMO_Ant2_5180



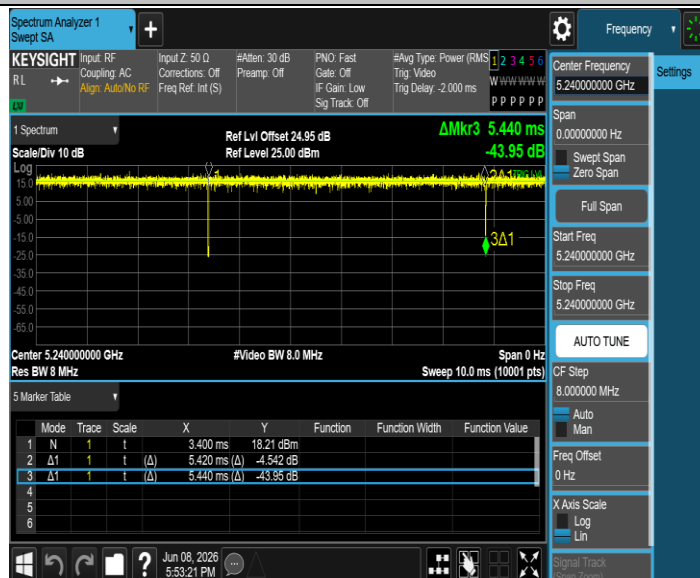
11N20MIMO_Ant1_5200



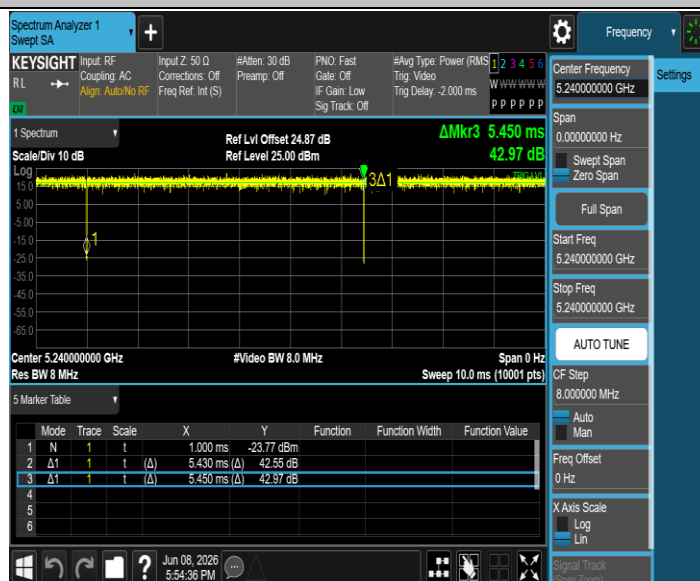
11N20MIMO_Ant2_5200



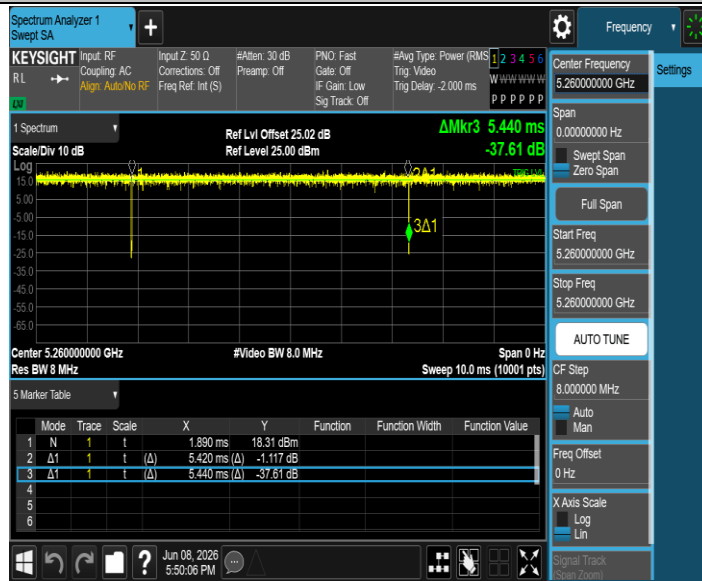
11N20MIMO_Ant1_5240



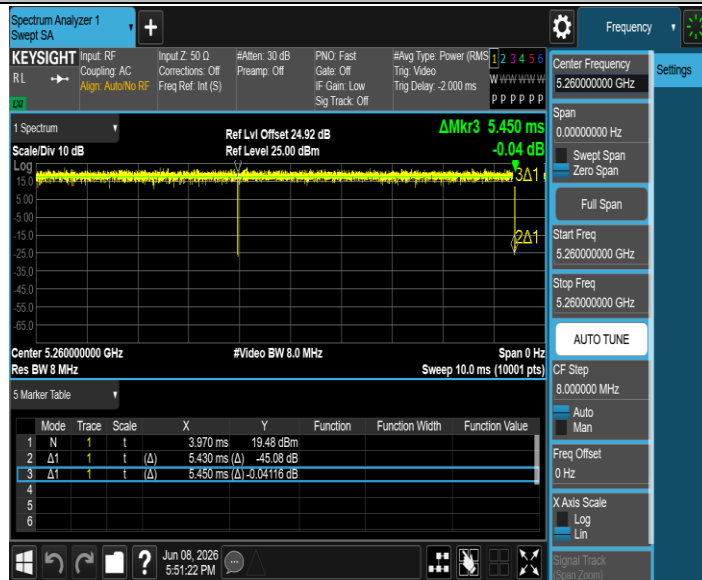
11N20MIMO_Ant2_5240



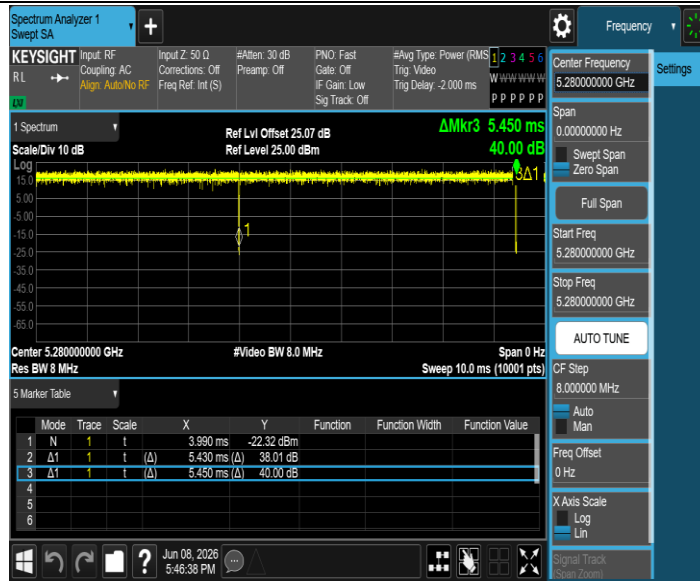
11N20MIMO_Ant1_5260



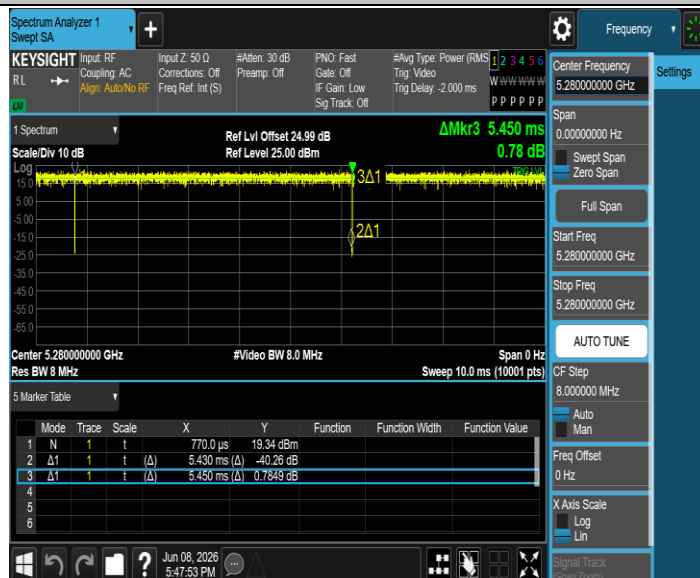
11N20MIMO_Ant2_5260



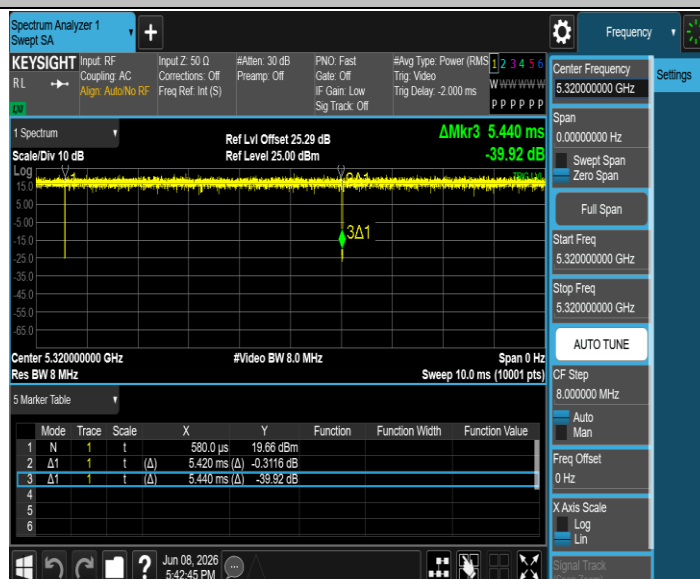
11N20MIMO_Ant1_5280



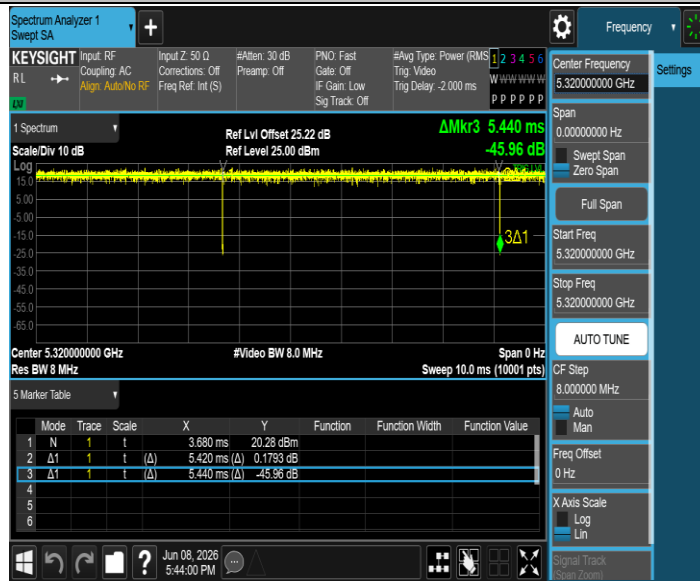
11N20MIMO_Ant2_5280



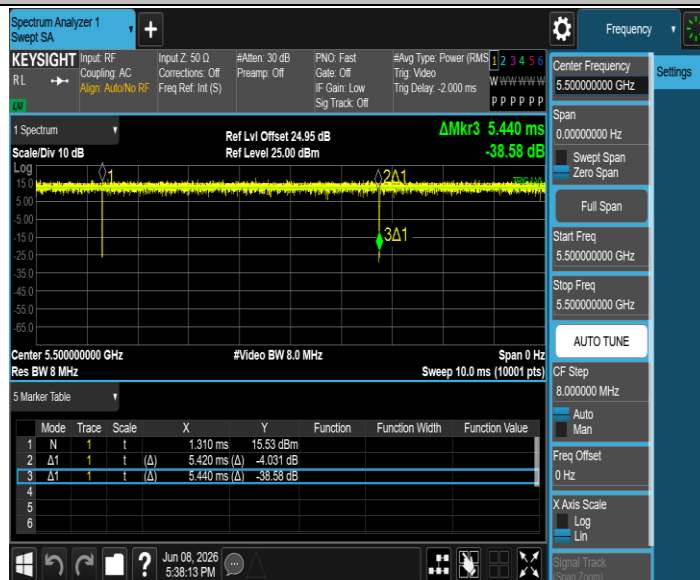
11N20MIMO_Ant1_5320



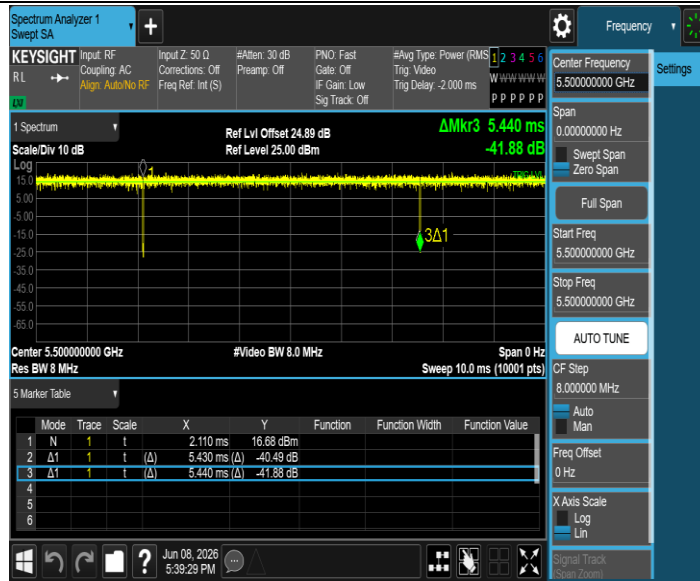
11N20MIMO_Ant2_5320



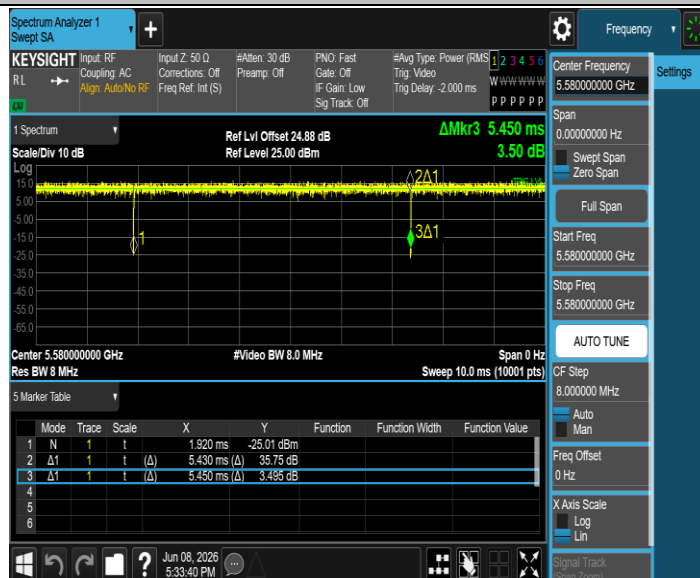
11N20MIMO_Ant1_5500



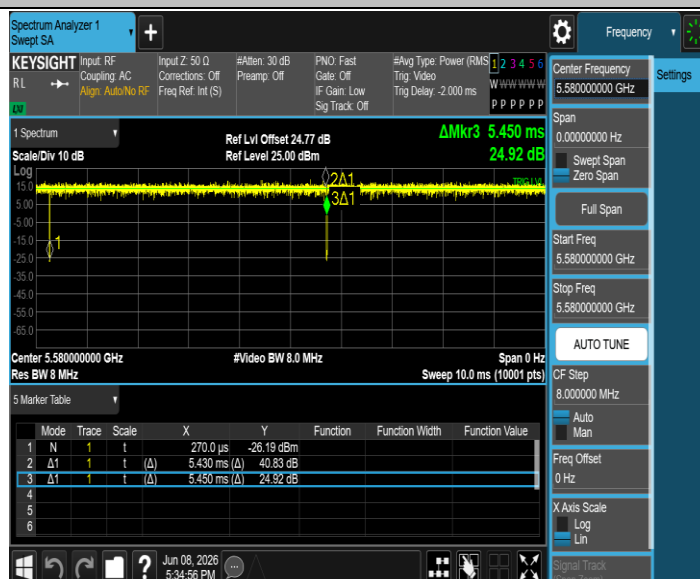
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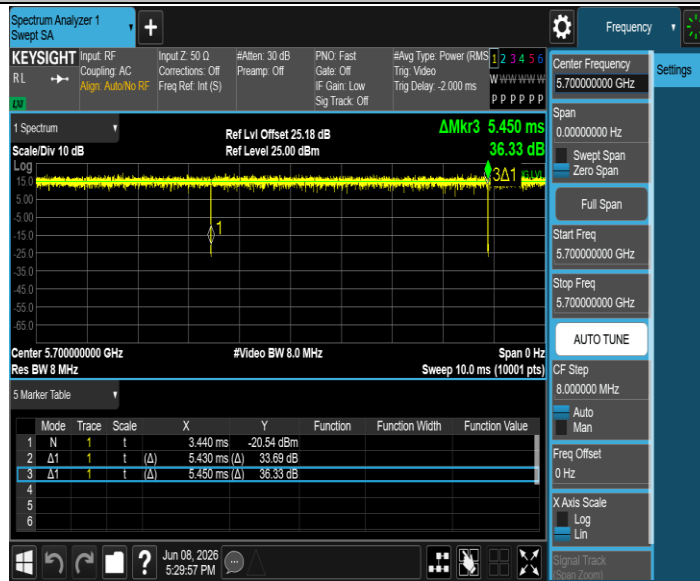
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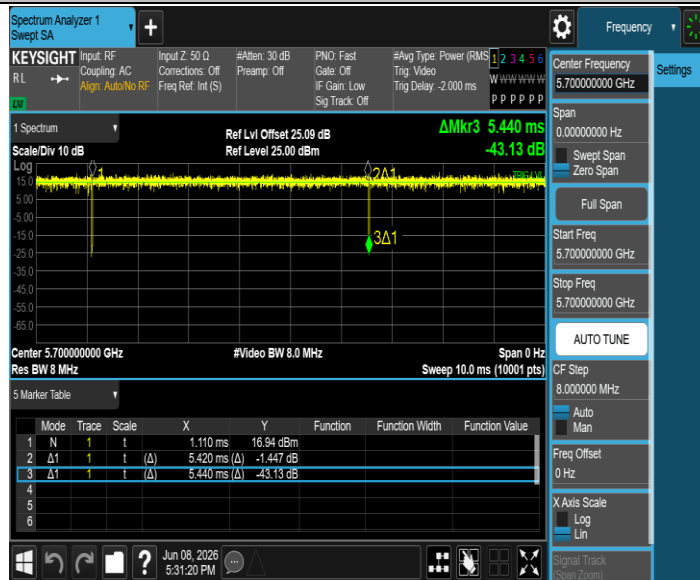
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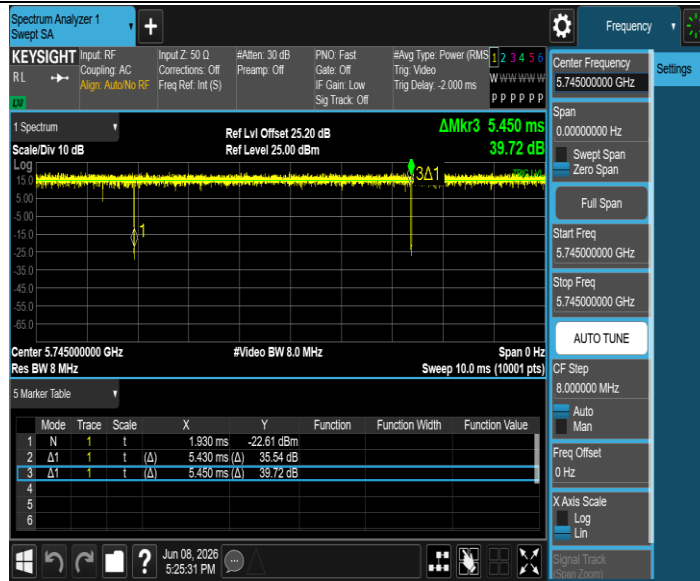
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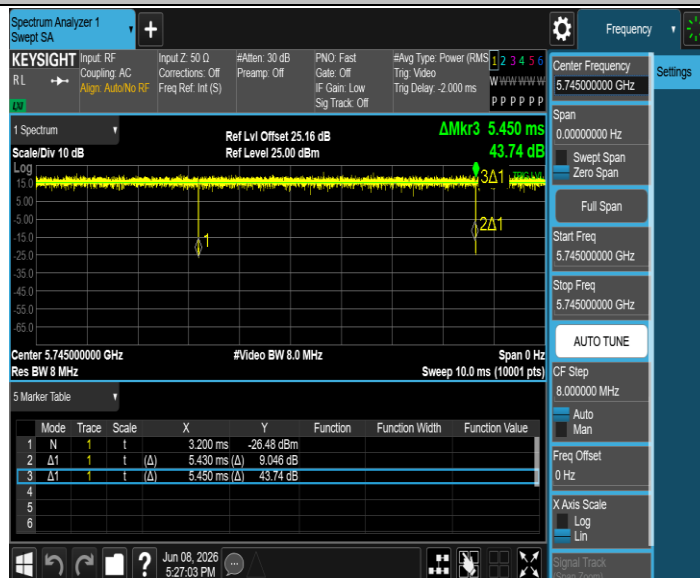
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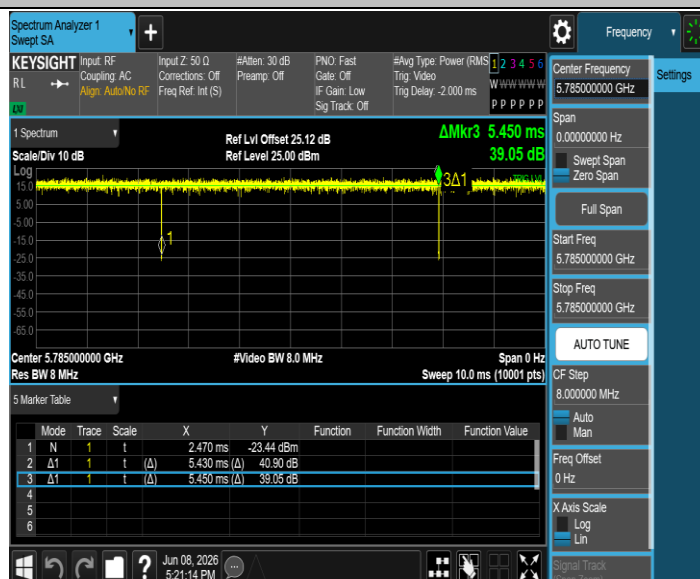
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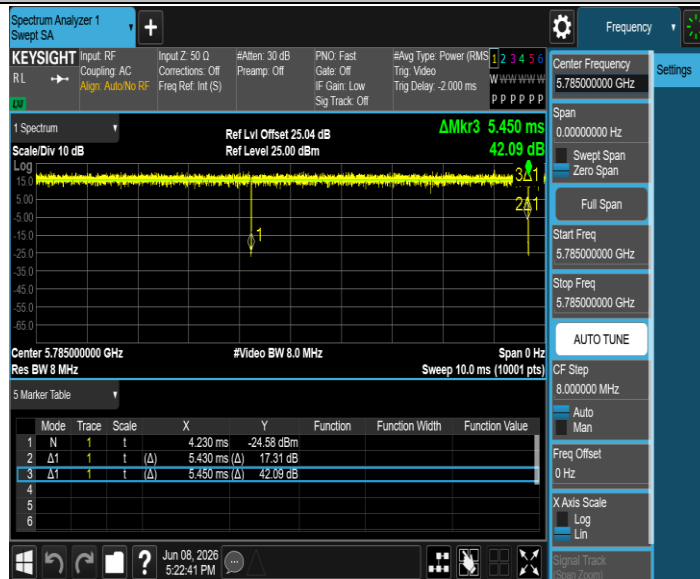
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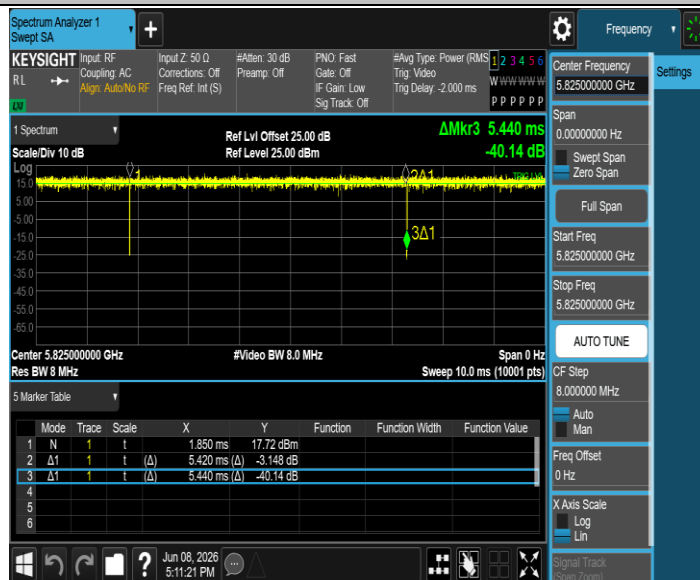
11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825