

RF TEST REPORT

FCC ID:BKMAE-WXT2AM

Test Report No.....: RF250116007-01-001

Product(s) Name.....: WLAN BT Module

Model(s).....: WXT2AM2101

Trade Mark.....: EPSON

Applicant.....: Seiko Epson Corporation

Address.....: 3-3-5 Owa Suwa-shi Nagano-Ken 392-8502, Japan

Receipt Date.....: 2025.02.05

Test Date.....: 2025.02.05~2025.04.17

Issued Date.....: 2025.04.18

Standards.....: 47 CFR FCC Part 15, Subpart E(Section 15.407);
ANSI C63.10:2013

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

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History of this test report

Original Report Issue Date: 2025.04.18

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

Attachment No.	Issue Date	Description

1. General Information

1.1 Applicant

Seiko Epson Corporation

3-3-5 Owa Suwa-shi Nagano-Ken 392-8502, Japan

1.2 Manufacturer

Seiko Epson Corporation

3-3-5 Owa Suwa-shi Nagano-Ken 392-8502, Japan

1.3 Basic Description of Equipment Under Test

Test sample no.	POC250116007-S001	
Equipment Name	WLAN BT Module	
Model Number	WXT2AM2101	
Trademark	EPSON	
Power Supply	DC 3.3V 2A	
Operating Temperature	-10℃ - 70℃	
Hardware Version.:	V 1.3B	
Software Version.:	V 2.39	
EUT Stage	○ Product Unit	● Final-Sample
Frequency Range	For 802.11ax-HE20: 5955 ~ 7115MHz For 802.11ax-HE40: 5965 ~ 7085MHz For 802.11ax-HE80: 5985 ~ 7025MHz	
Modulation	OFDMA	
Data Rate (Mbps)	up to 1201	
Type of Device	Slave device	
Antenna gain	Ant1: 4.65dBi, Ant2: 4.54dBi	

1.4 Working Frequencies

802.11ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
01	5955 MHz	05	5975 MHz	09	5995 MHz
13	6015 MHz	17	6035 MHz	21	6055 MHz
25	6075 MHz	29	6095 MHz	33	6115 MHz
37	6135 MHz	41	6155 MHz	45	6175 MHz
49	6195 MHz	53	6215 MHz	57	6235 MHz
61	6255 MHz	65	6275 MHz	69	6295 MHz
73	6315 MHz	77	6335 MHz	81	6355 MHz
85	6375 MHz	89	6395 MHz	93	6415 MHz
97	6435 MHz	101	6455 MHz	105	6475 MHz
109	5495 MHz	113	6515 MHz	117	6535 MHz
121	6555 MHz	125	6575 MHz	129	6595 MHz
133	6615 MHz	137	6635 MHz	141	6655 MHz
145	6675 MHz	149	6695 MHz	153	6715 MHz
157	6735 MHz	161	6755 MHz	165	6775 MHz
169	6795 MHz	173	6815 MHz	177	6835 MHz
181	6855 MHz	185	6875 MHz	189	6895 MHz
193	6915 MHz	197	6935 MHz	201	6955 MHz
205	6975 MHz	209	6995 MHz	213	7015 MHz
217	7035 MHz	221	7055 MHz	225	7075 MHz
229	7095 MHz	233	7115 MHz	--	--

802.11ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
03	5965 MHz	11	6005 MHz	19	6045 MHz
27	6085 MHz	35	6125 MHz	43	6165 MHz
51	6205 MHz	59	6245 MHz	67	6285 MHz
75	6325 MHz	83	6365 MHz	91	6405 MHz
99	6445 MHz	107	6485 MHz	115	6525 MHz
123	6565 MHz	131	6605 MHz	139	6645 MHz
147	6685 MHz	155	6725 MHz	163	6765 MHz
171	6805 MHz	179	6845 MHz	187	6885 MHz
195	6925 MHz	203	6965 MHz	211	7005 MHz
219	7045 MHz	227	7085 MHz	--	--

802.11ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
07	5985 MHz	23	6065 MHz	39	6145 MHz
55	6225 MHz	71	6305 MHz	87	6385 MHz
103	6465 MHz	119	6545 MHz	135	6625 MHz
151	6705 MHz	167	6785 MHz	183	6865 MHz
199	6945 MHz	215	7025 MHz	--	--

2. Summary of Test Results

2.1 Summary of Test Items

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)	26dB & 99% Bandwidth	Conducted	Pass
15.407(b)(7)	In-Band Emission		Pass
15.407(a)(5), (a)(6)	Transmitter power		Pass
15.407(a)(5), (a)(6)	Peak Power Spectral Density (E.I.R.P)		Pass
15.407(d)(6)	Contention-Based Protocol		Pass
15.407(g)	Frequency Stability		Pass
15.407(b)(6)	Unwanted Emissions	Radiated	Pass
15.207	AC Conducted Emissions	Line Conducted	Pass
15.203	Antenna Requirements	/	Note4

Remark:

- The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
- Output power test was verified over all data rates of each mode, and then choose the maximum power output (low data rate) for final test of each channel.
- For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.
- The EUT have 2 PIFA antennas arrangement which was permanently attached.
- EUT supports one configuration only in 802.11ax full RU mode.

2.2 Standards or specification

47 CFR FCC Part 15, Subpart E

KDB 662911 D01 Multiple Transmitter Output v02r01

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB987594 D01 U-NII 6GHz General Requirements v01r03

KDB 414788 D01 Radiated Test Site v01r01

ANSI C63.10:2013

2.3 Test Instruments

Radiated Emissions							
No.	Equipment	Manufacturer	Type No.	Serial No.	Inventory No.	Cal. date (yyyy/mm/dd)	Cal. Due date (yyyy/mm/dd)
1	Test receiver	Rohde&Schwarz	ESU	100184	JLE011	2024/4/24	2025/4/23
2	Log periodic antenna	Schwarzbeck	VULB 9168	1151	JLE012	2024/4/20	2025/4/19
3	Low frequency amplifier	/	LNA 0920N	2014	JLE023	2024/4/24	2025/4/23
4	High frequency amplifier	Schwarzbeck	BBV 9718	284	JLE024	2024/4/24	2025/4/23
5	Horn Antenna	SCHWARZBEC K	BBHA 9120 D	02670	JLE028	2024/4/20	2025/4/19
6	Temp&Humi dity Recorder	Meideshi	JR900	/	JLE021	2024/4/24	2025/4/23
7	Horn Antenna	SCHWARZBEC K	BBHA 9170	9170#685	JLE029	2024/7/15	2025/7/14
8	Loop Antenna	SCHWARZBEC K	FMZB15 19B	00029	JLE030	2024/7/15	2025/7/14
9	Broadband preamplifier	Schwarzbeck	BBV9721	9721-019	JLE025	2024/4/24	2025/4/23
10	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
Conducted Emission							
1	LISN	Rohde&Schwarz	ENV216	100075	JLE002	2024/4/24	2025/4/23
2	ISN	Schwarzbeck	CATE 5 8158	#171	JLE003	2024/4/24	2025/4/23
3	Test receiver	Rohde&Schwarz	ESCI	100718	JLE010	2024/4/24	2025/4/23
4	Pulse limiter	Rohde&Schwarz	ESH3-Z2	102299	JLE047	2024/4/24	2025/4/23
5	Temp&Humi dity Recorder	Meideshi	JR900	/	JLE020	2024/4/24	2025/4/23
6	Test software	Farad Technology Co., Ltd	EZ-EMC Ver.TW-03A2				
RF Conducted Emission							
1	MXA Signal Analyzer	Keysight	N9021B	MY60080 169	JLE050	2024/4/20	2025/4/19
2	RF Control Unit	dsusoft	JS0806-2	21G8060 449	JLE053	2024/4/20	2025/4/19
3	power supply unit	dsusoft	JS0806-4 ADC	N/A	JLE055	2024/4/20	2025/4/19
4	VXG Signal Generator	Keysight	M9384B	MY61270 787	JLE051	2024/4/20	2025/4/19
5	EXG Analog Signal Generator	Keysight	N5173B	MY59101 282	JLE052	2024/4/20	2025/4/19
6	Wideband Radio Communicati on Tester	Rohde&Schwarz	CMW500	1201.000 2K50-116 064-Dt	JLE054	2024/4/20	2025/4/19
7	Test software	dsusoft	JS1120-3 Ver.3.2.22.0				

2.4 Test Mode

The EUT was supplied by and it was run in TX mode that was controlled by Master provided RF testing program. The worst case test result was showed in the report.

Mode 1: Transmit by 802.11ax-HE20(MCS0)
Mode 2: Transmit by 802.11ax-HE40(MCS0)
Mode 3: Transmit by 802.11ax-HE80(MCS0)

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

2.5 Test Condition

Applicable to	Environmental conditions	Input Power	Tested by
26dB & 99% Bandwidth	23.4~25.3°C, 51~59% RH	DC 3.3V	Freedom Zhuo
In-Band Emission	23.4~25.3°C, 51~59% RH	DC 3.3V	Freedom Zhuo
Contention-Based Protocol	23.4~25.3°C, 51~59% RH	DC 3.3V	Freedom Zhuo
Frequency Stability	23.4~25.3°C, 51~59% RH	DC 3.3V	Freedom Zhuo
Transmitter power	23.4~25.3°C, 51~59% RH	DC 3.3V	Freedom Zhuo
Peak Power Spectral Density	23.4~25.3°C, 51~59% RH	DC 3.3V	Freedom Zhuo
Unwanted Emissions	23.8°C, 54% RH	AC 120V/60Hz	Lemon He
AC Conducted Emissions	24.1°C, 52% RH	AC 120V/60Hz	Lemon He

Note: Notebook voltage AC 120V/60Hz.

The applicant declare the operating environment of EUT as below:

Normal conditions: DC 3.3V, -10~70°C

2.6 Duty Cycle of Test Signal

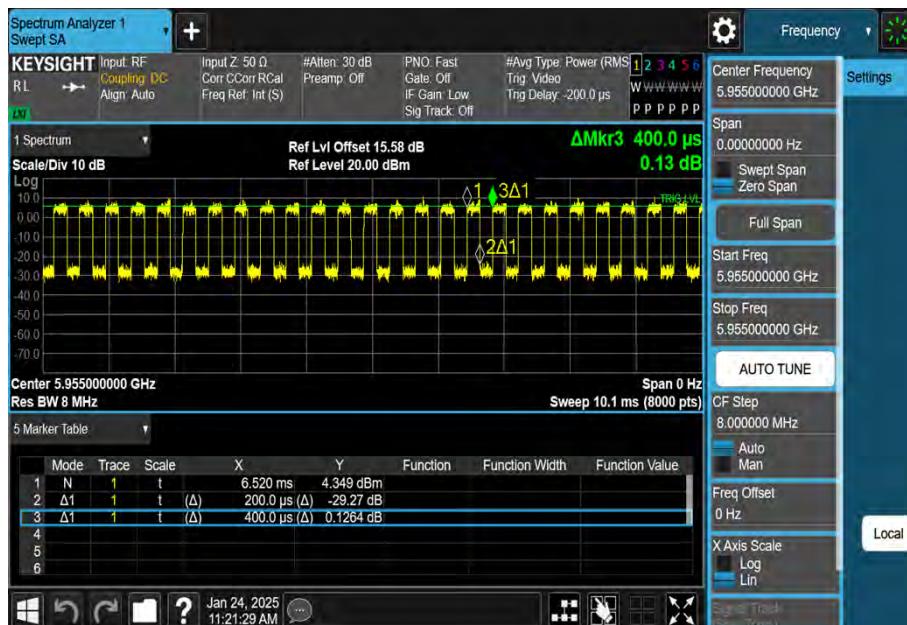
If duty cycle is $\geq 98\%$, duty factor is not required.

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

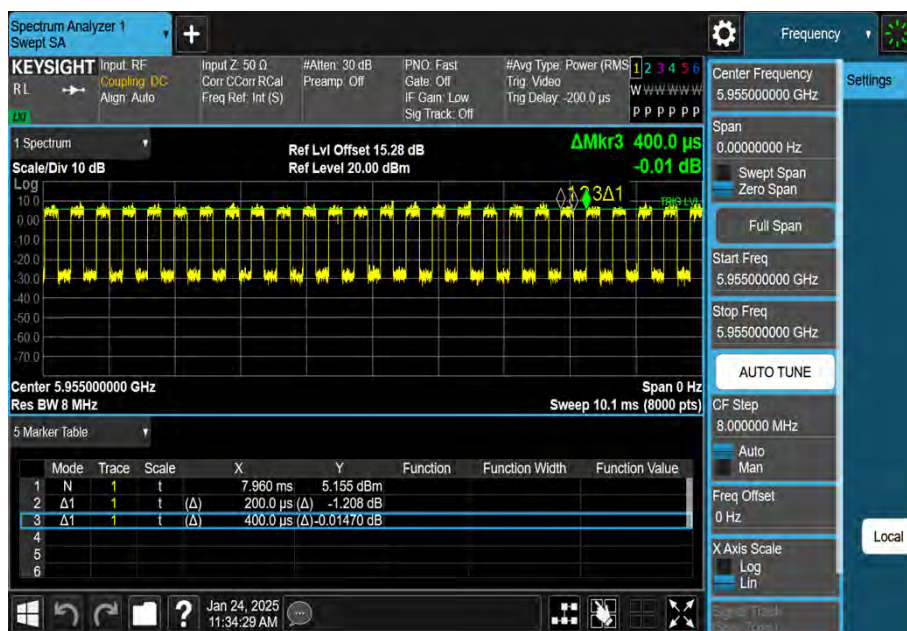
All the duty factor of other test mode have been considered.

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AX20MIMO	Ant1	5955	0.20	0.40	50.00
11AX20MIMO	Ant2	5955	0.20	0.40	50.00
11AX20MIMO	Ant1	6175	0.55	0.94	58.51
11AX20MIMO	Ant2	6175	0.56	0.95	58.95
11AX20MIMO	Ant1	6415	0.56	0.92	60.87
11AX20MIMO	Ant2	6415	0.56	0.92	60.87
11AX20MIMO	Ant1	6435	0.55	0.94	58.51
11AX20MIMO	Ant2	6435	0.55	0.94	58.51
11AX20MIMO	Ant2	6475	0.55	0.94	58.51
11AX20MIMO	Ant1	6475	0.56	0.95	58.95
11AX20MIMO	Ant1	6515	0.55	0.94	58.51
11AX20MIMO	Ant2	6515	0.56	0.95	58.95
11AX20MIMO	Ant1	6535	0.56	0.94	59.57
11AX20MIMO	Ant2	6535	0.56	0.94	59.57
11AX20MIMO	Ant1	6695	0.55	0.94	58.51
11AX20MIMO	Ant2	6695	0.55	0.94	58.51
11AX20MIMO	Ant1	6855	0.56	0.95	58.95
11AX20MIMO	Ant2	6855	0.56	0.96	58.33
11AX20MIMO	Ant1	6875	0.55	0.94	58.51
11AX20MIMO	Ant2	6875	0.55	0.94	58.51
11AX20MIMO	Ant1	6895	0.55	0.94	58.51
11AX20MIMO	Ant2	6895	0.55	0.94	58.51
11AX20MIMO	Ant2	6995	0.55	0.94	58.51
11AX20MIMO	Ant1	6995	0.56	0.95	58.95
11AX20MIMO	Ant1	7115	0.56	0.95	58.95
11AX20MIMO	Ant2	7115	0.56	0.95	58.95
11AX40MIMO	Ant1	5965	0.32	0.71	45.07
11AX40MIMO	Ant2	5965	0.32	0.71	45.07
11AX40MIMO	Ant1	6165	0.32	0.71	45.07
11AX40MIMO	Ant2	6165	0.32	0.71	45.07
11AX40MIMO	Ant2	6405	0.32	0.71	45.07
11AX40MIMO	Ant1	6405	0.32	0.71	45.07
11AX40MIMO	Ant2	6445	0.32	0.71	45.07
11AX40MIMO	Ant1	6445	0.32	0.71	45.07

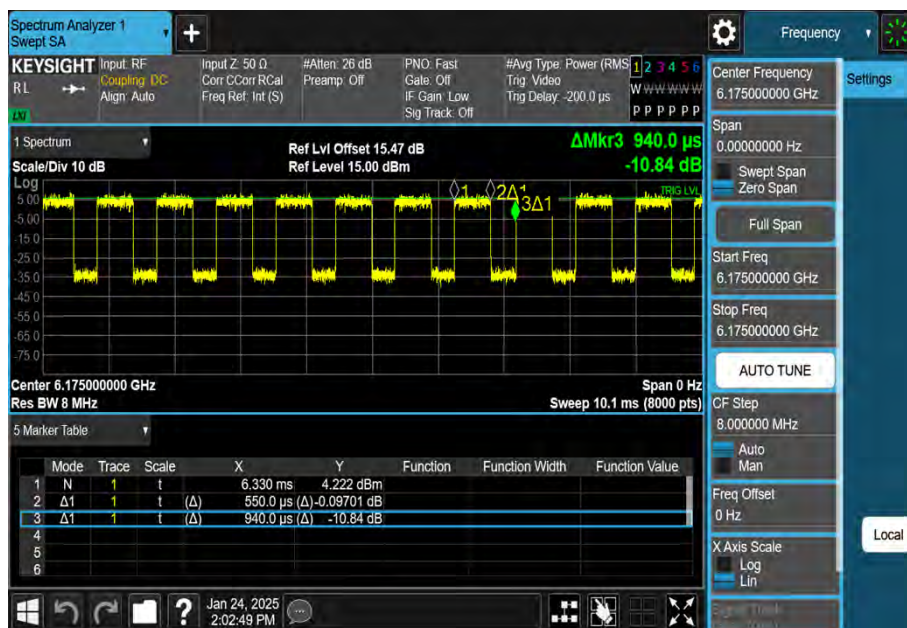
11AX40MIMO	Ant1	6485	0.32	0.70	45.71
11AX40MIMO	Ant2	6485	0.32	0.70	45.71
11AX40MIMO	Ant1	6525	0.32	0.70	45.71
11AX40MIMO	Ant2	6525	0.32	0.71	45.07
11AX40MIMO	Ant1	6565	0.32	0.70	45.71
11AX40MIMO	Ant2	6565	0.32	0.70	45.71
11AX40MIMO	Ant1	6685	0.32	0.70	45.71
11AX40MIMO	Ant2	6685	0.32	0.71	45.07
11AX40MIMO	Ant1	6845	0.32	0.71	45.07
11AX40MIMO	Ant2	6845	0.32	0.71	45.07
11AX40MIMO	Ant1	6885	0.32	0.70	45.71
11AX40MIMO	Ant2	6885	0.32	0.70	45.71
11AX40MIMO	Ant1	6925	0.32	0.71	45.07
11AX40MIMO	Ant2	6925	0.32	0.70	45.71
11AX40MIMO	Ant1	6965	0.32	0.70	45.71
11AX40MIMO	Ant2	6965	0.32	0.70	45.71
11AX40MIMO	Ant1	7085	0.32	0.70	45.71
11AX40MIMO	Ant2	7085	0.32	0.70	45.71
11AX80MIMO	Ant1	5985	0.20	0.44	45.45
11AX80MIMO	Ant2	5985	0.20	0.44	45.45
11AX80MIMO	Ant1	6145	0.19	0.43	44.19
11AX80MIMO	Ant2	6145	0.19	0.43	44.19
11AX80MIMO	Ant1	6385	0.19	0.43	44.19
11AX80MIMO	Ant2	6385	0.19	0.43	44.19
11AX80MIMO	Ant2	6465	0.19	0.43	44.19
11AX80MIMO	Ant1	6465	0.19	0.44	43.18
11AX80MIMO	Ant1	6545	0.20	0.44	45.45
11AX80MIMO	Ant2	6545	0.19	0.43	44.19
11AX80MIMO	Ant1	6625	0.19	0.43	44.19
11AX80MIMO	Ant2	6625	0.19	0.43	44.19
11AX80MIMO	Ant2	6705	0.19	0.44	43.18
11AX80MIMO	Ant1	6705	0.19	0.43	44.19
11AX80MIMO	Ant1	6785	0.19	0.43	44.19
11AX80MIMO	Ant2	6785	0.20	0.44	45.45
11AX80MIMO	Ant1	6865	0.20	0.44	45.45
11AX80MIMO	Ant2	6865	0.19	0.43	44.19
11AX80MIMO	Ant1	6945	0.19	0.44	43.18
11AX80MIMO	Ant2	6945	0.19	0.43	44.19
11AX80MIMO	Ant2	7025	0.20	0.44	45.45
11AX80MIMO	Ant1	7025	0.19	0.43	44.19



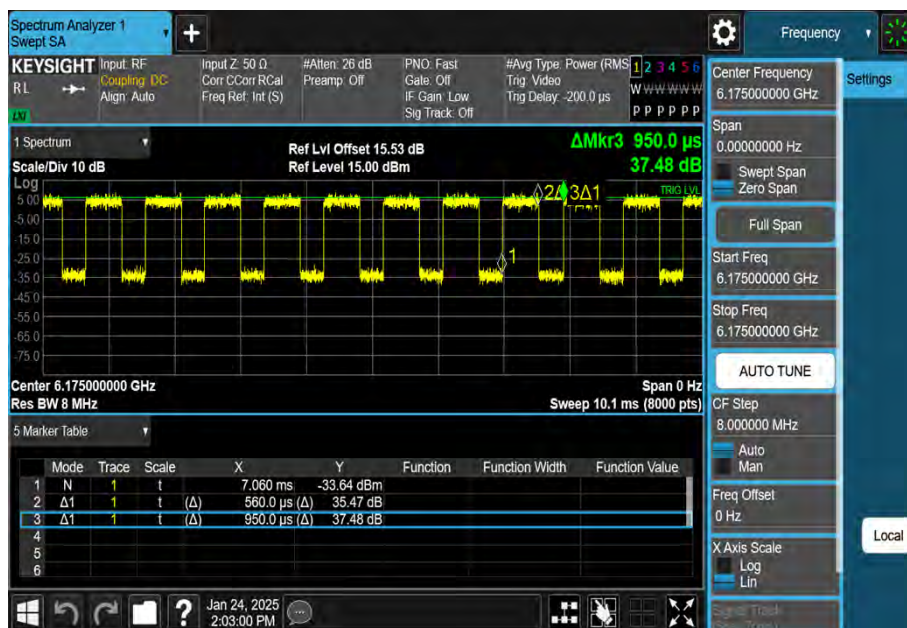
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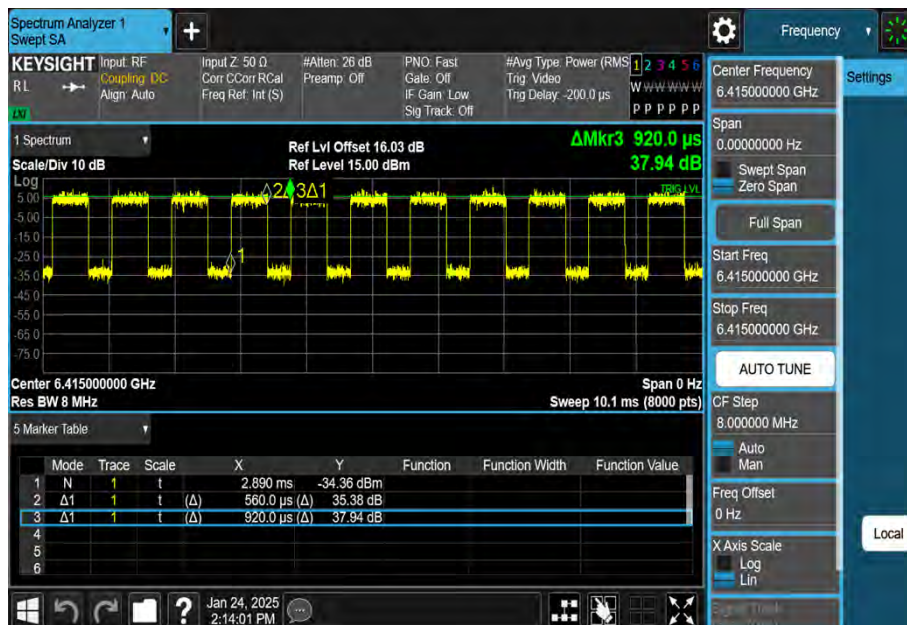
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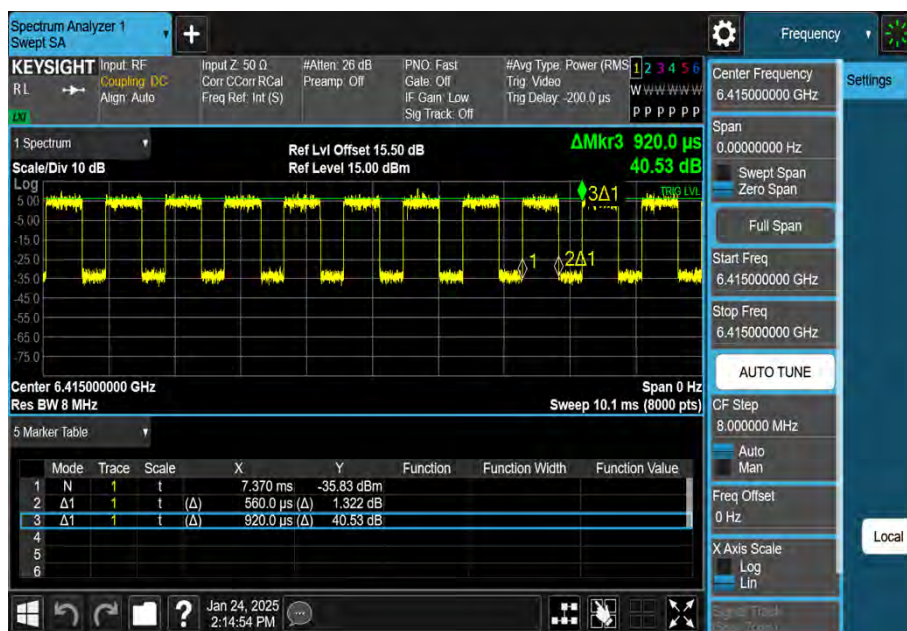
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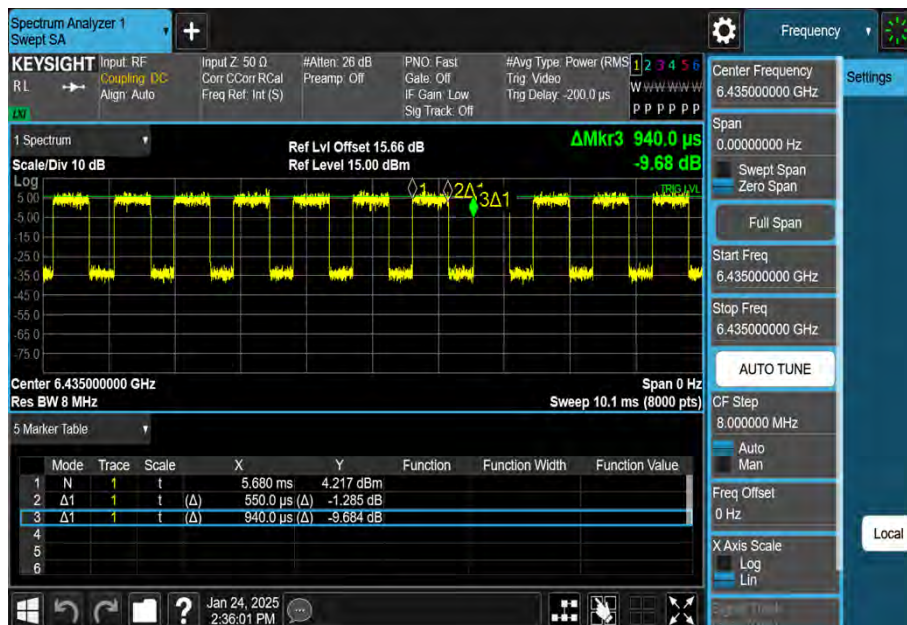
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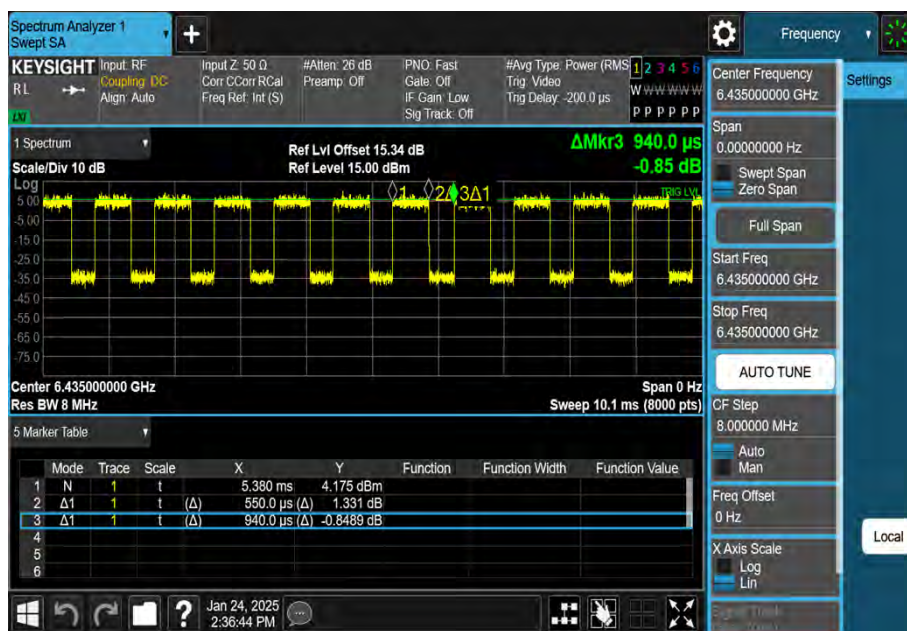
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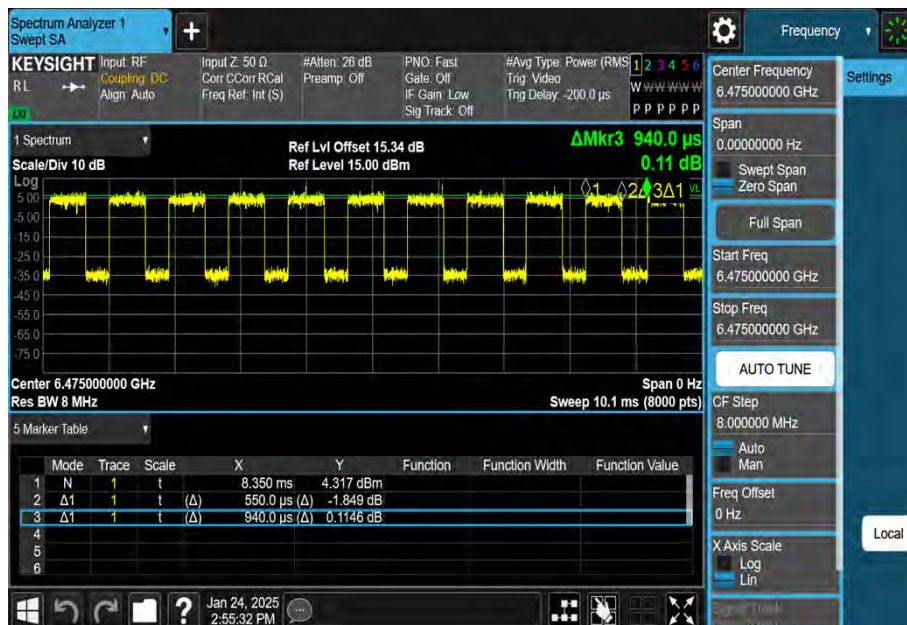
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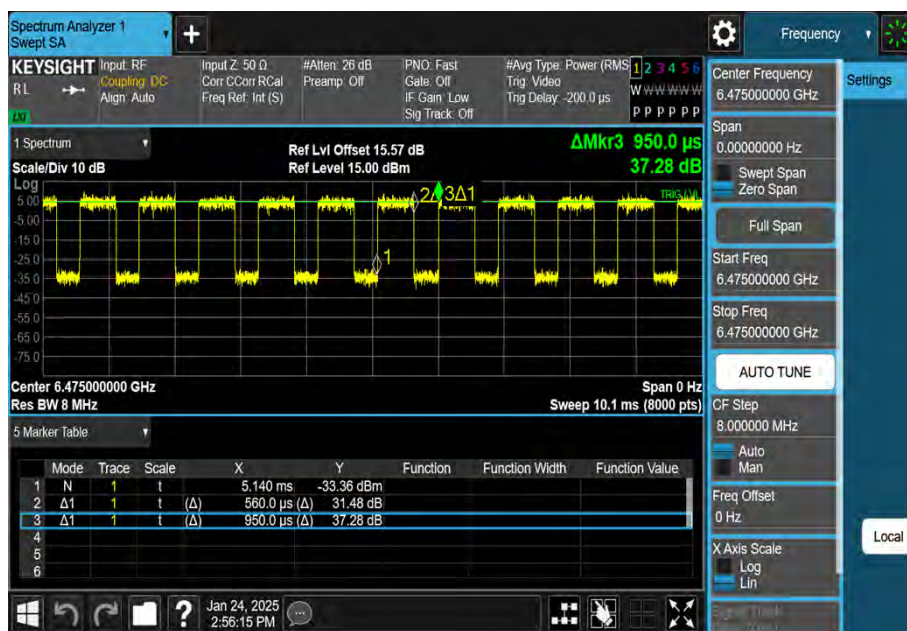
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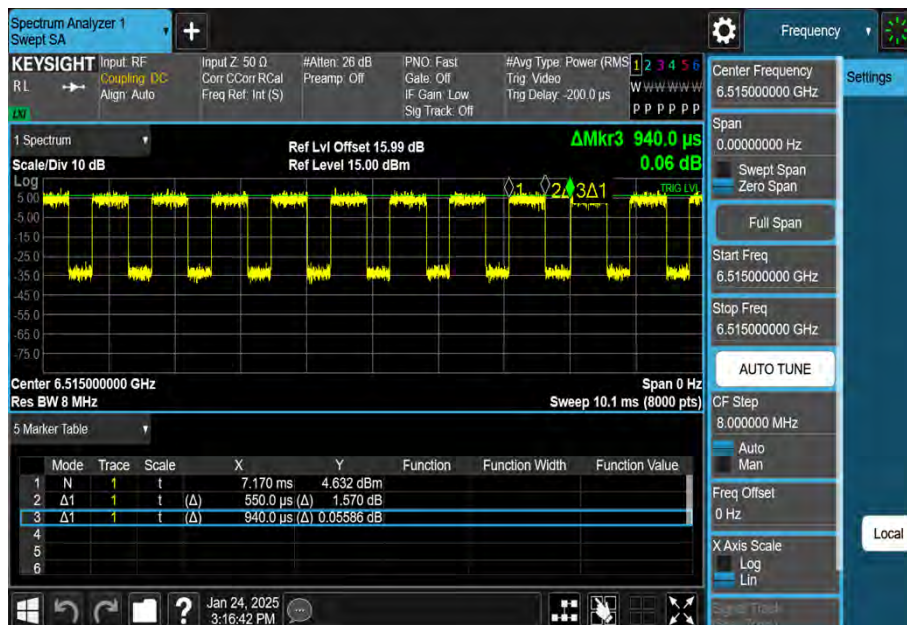
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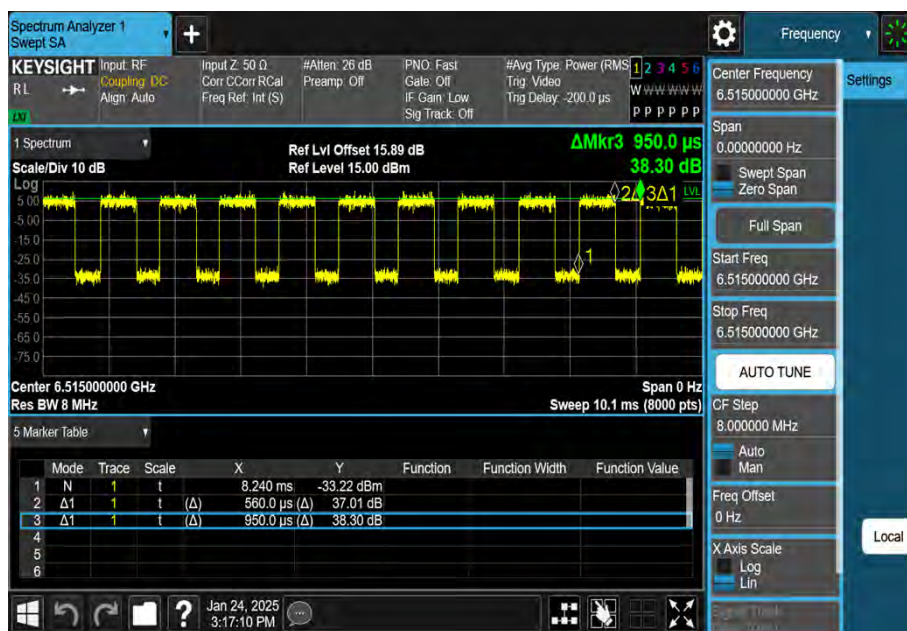
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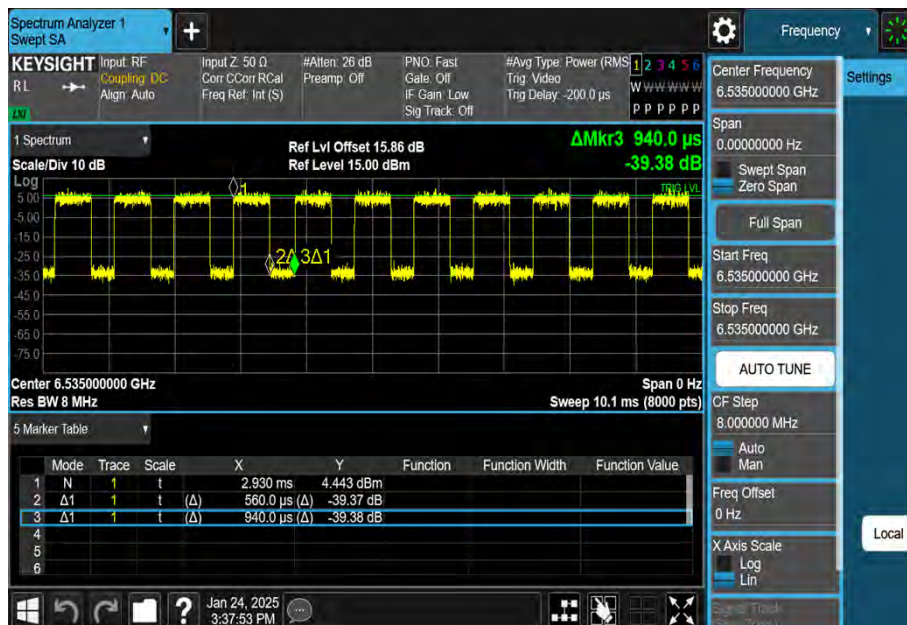
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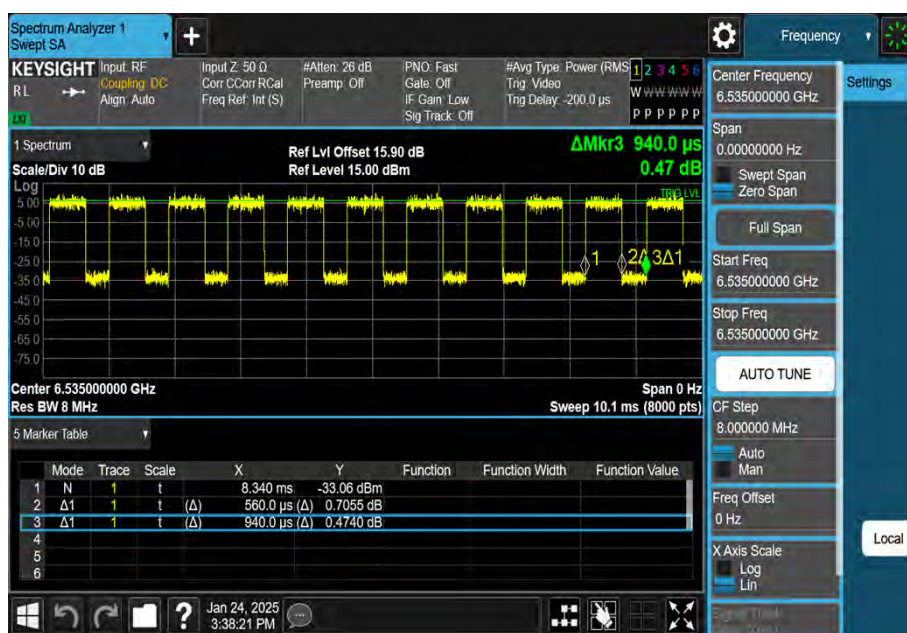
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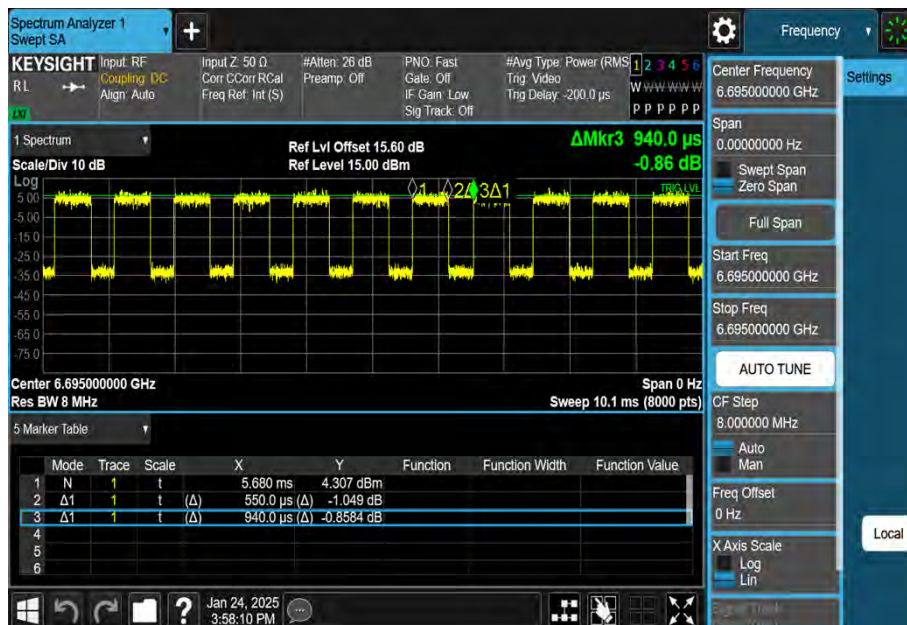
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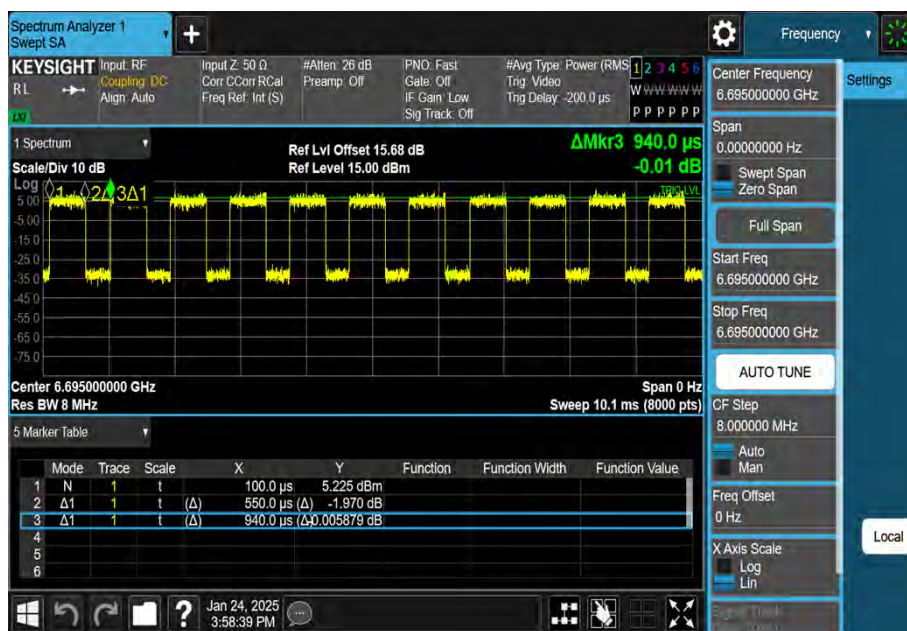
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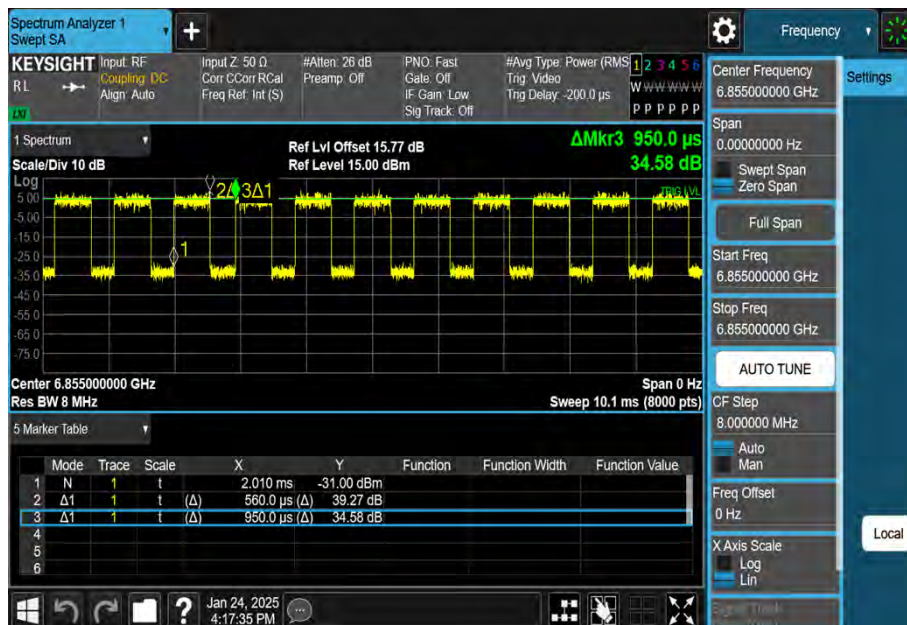
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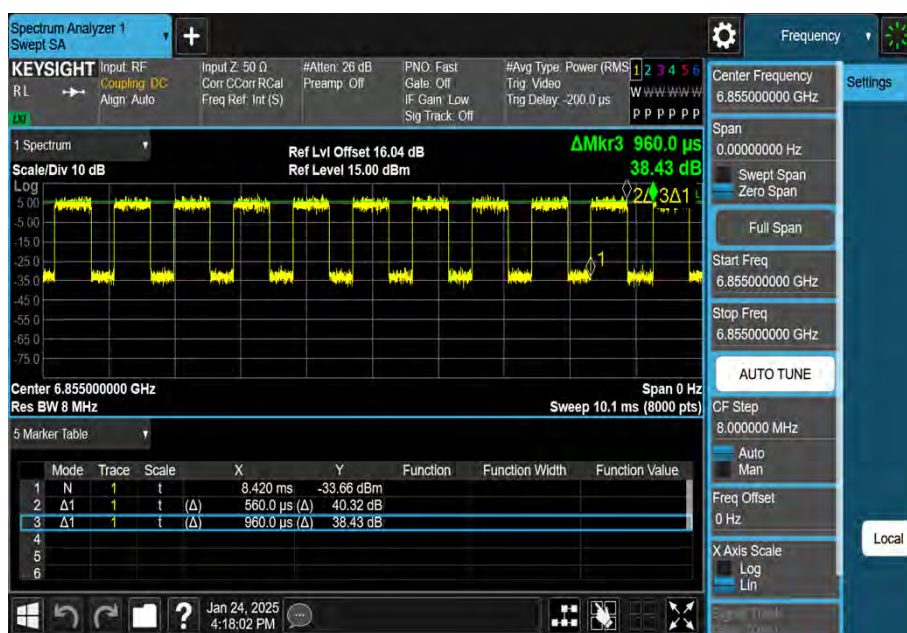
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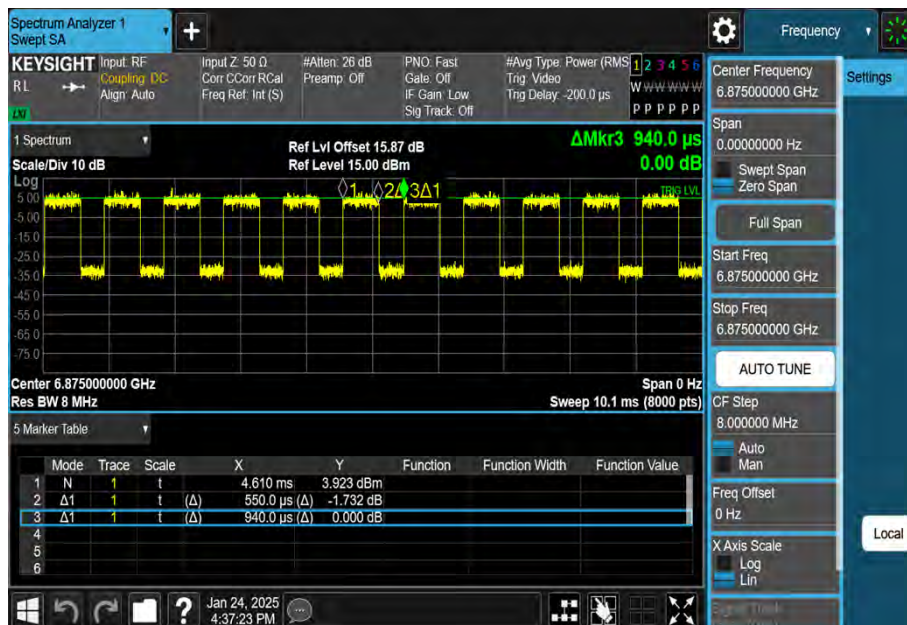
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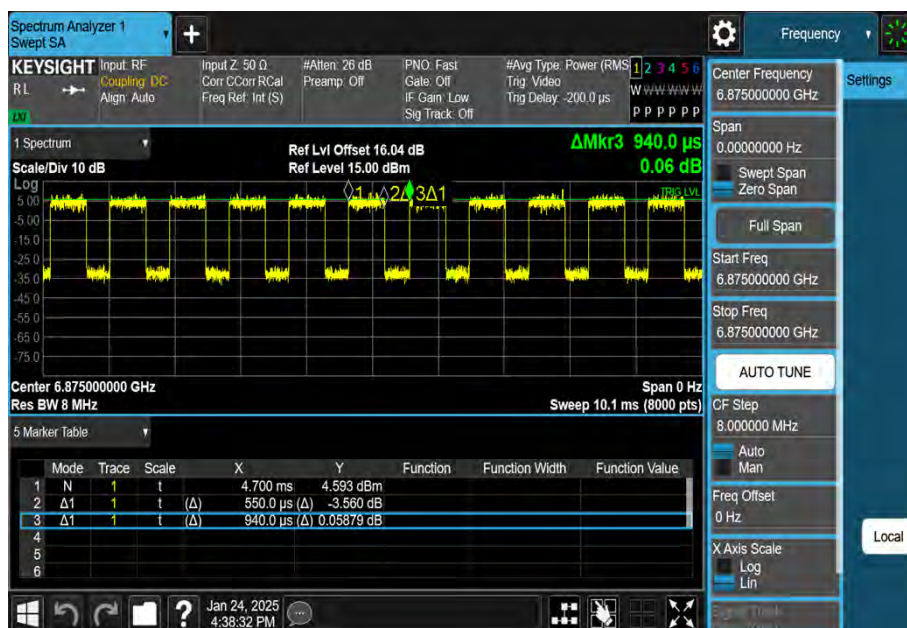
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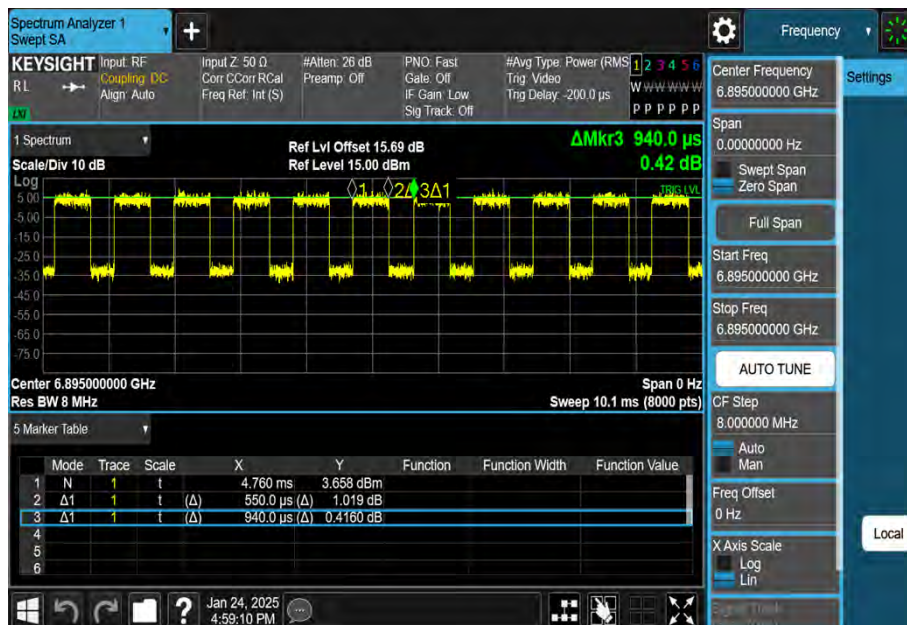
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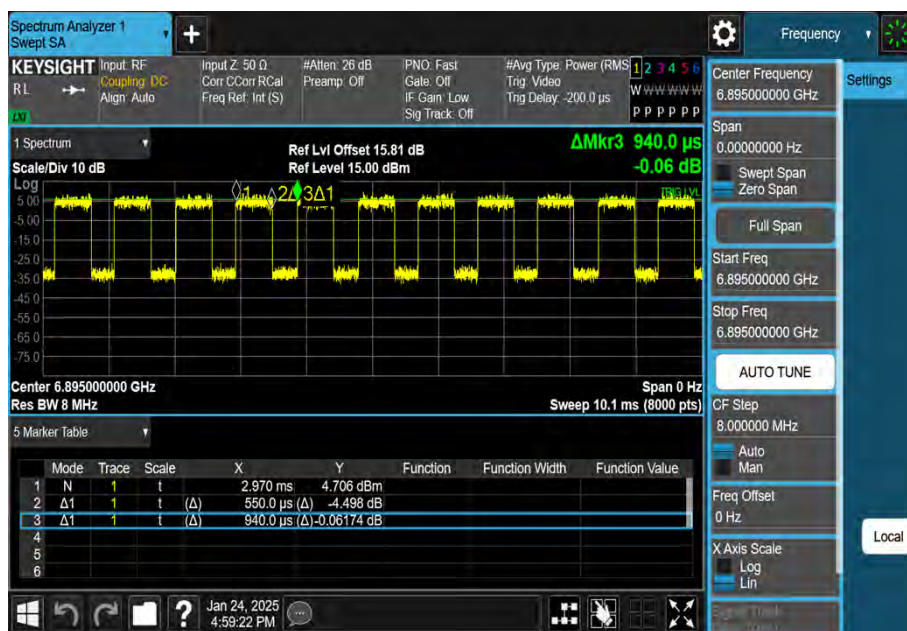
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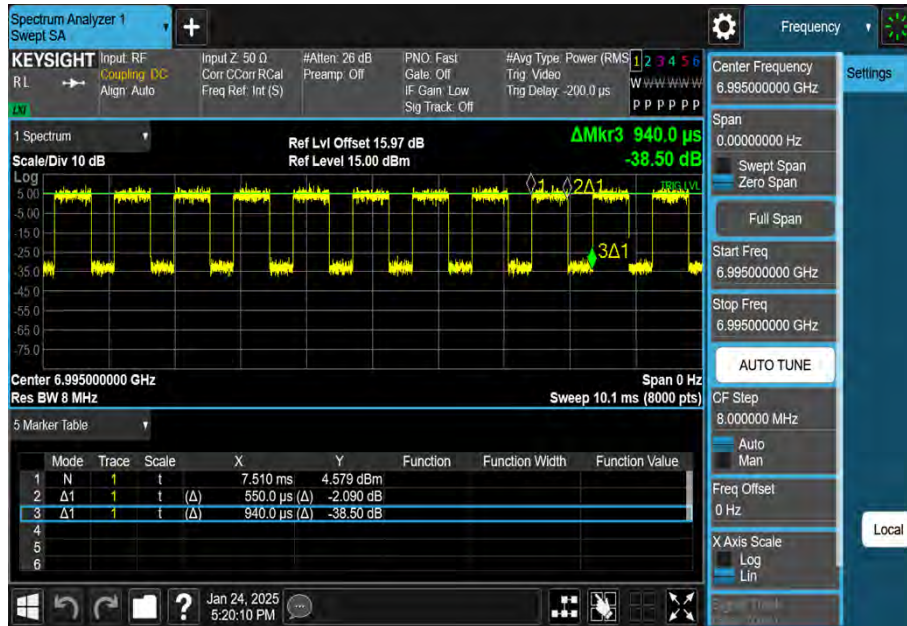
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NTNV-11AX20MIMO-Ant1-6895



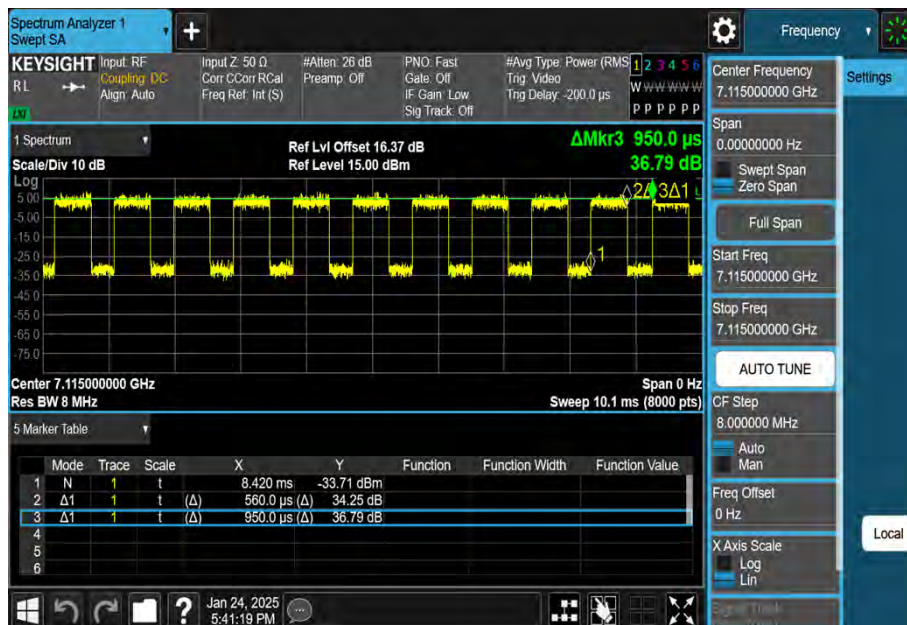
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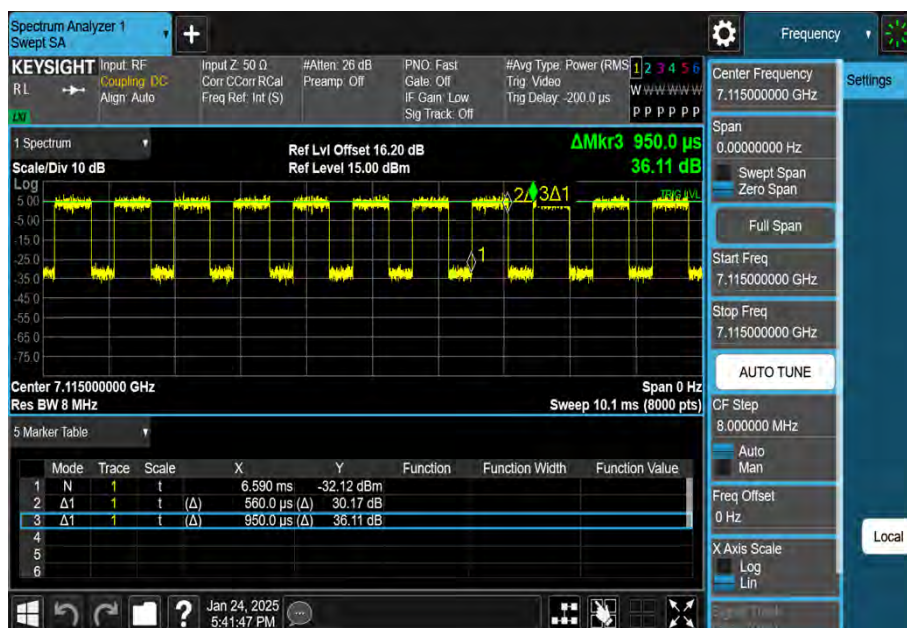
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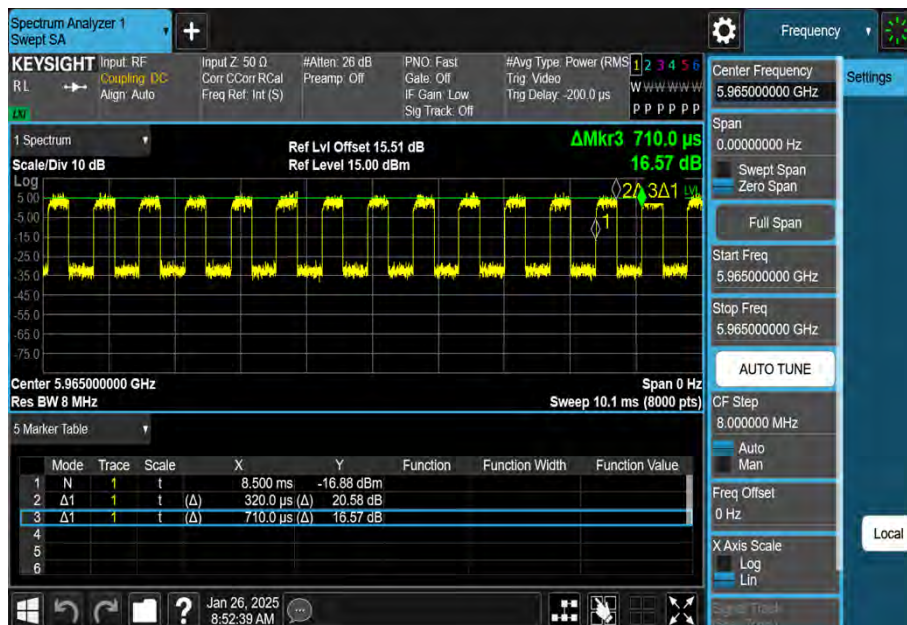
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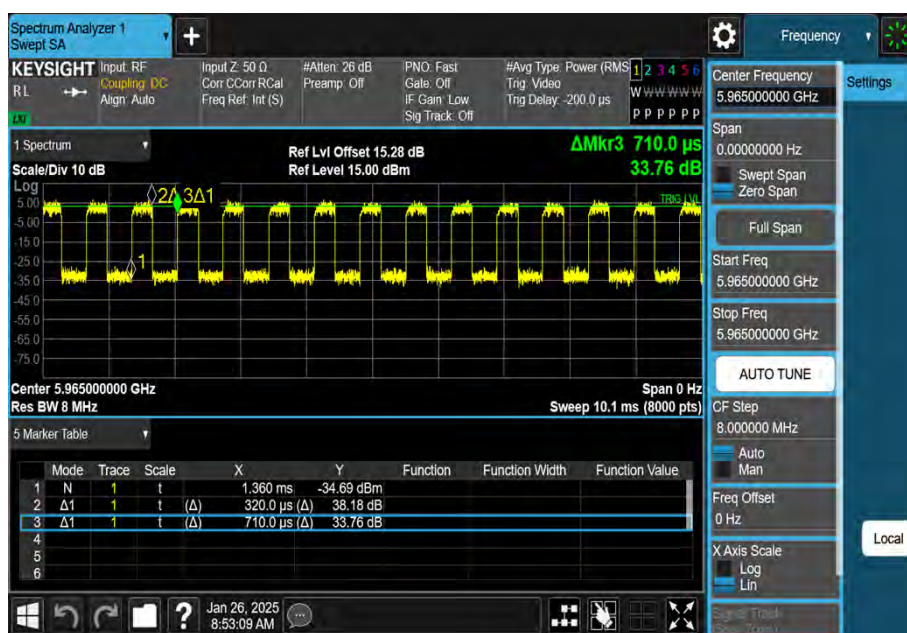
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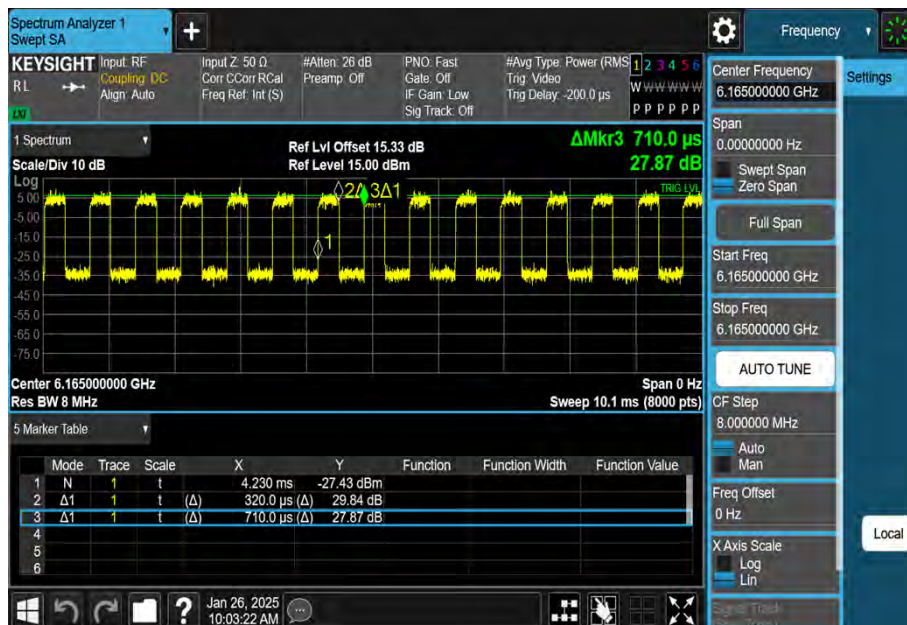
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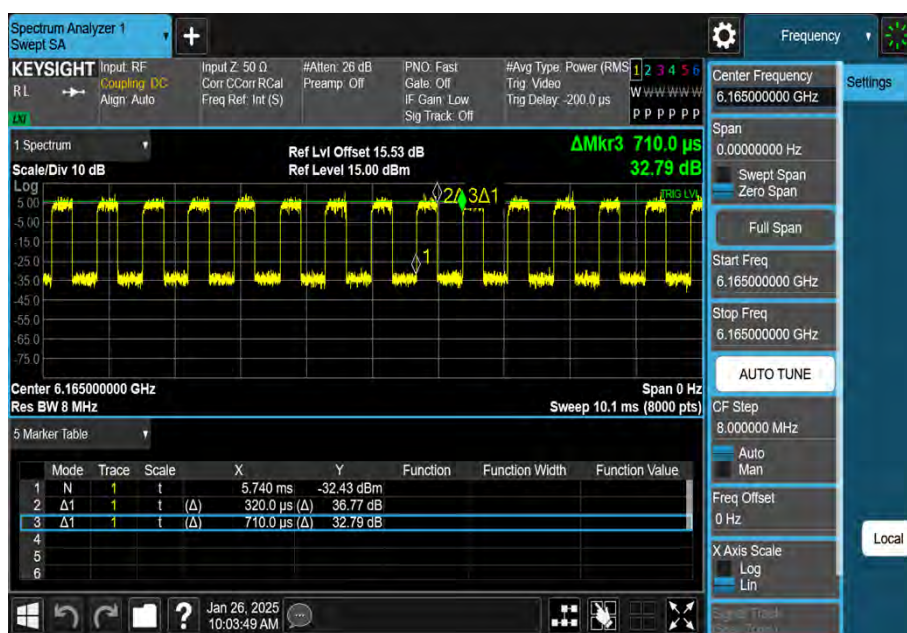
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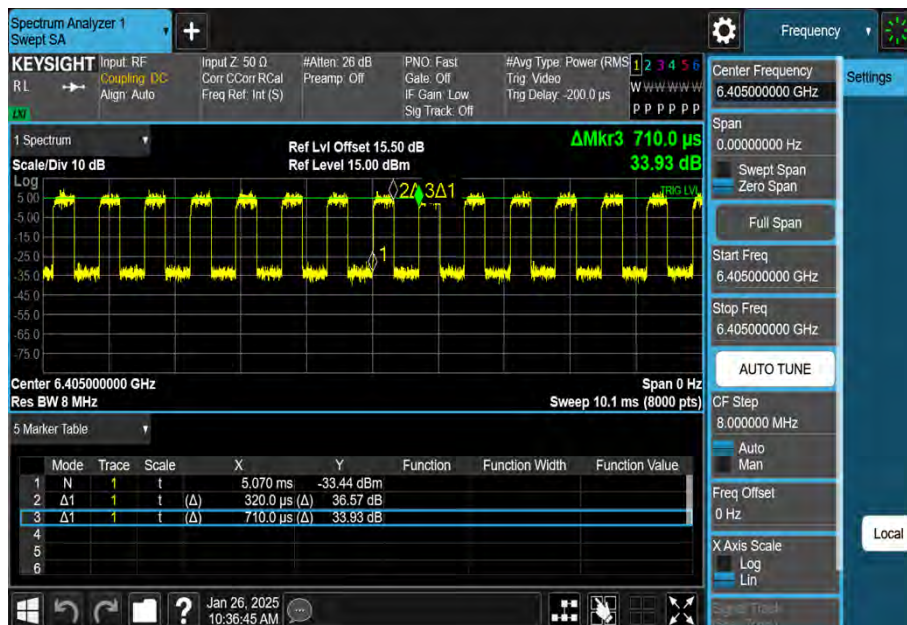
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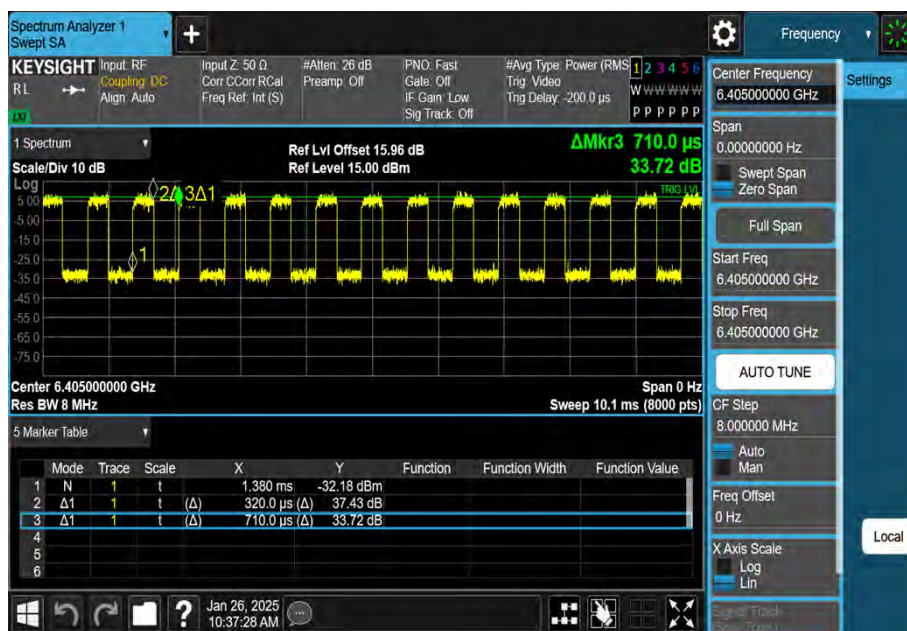
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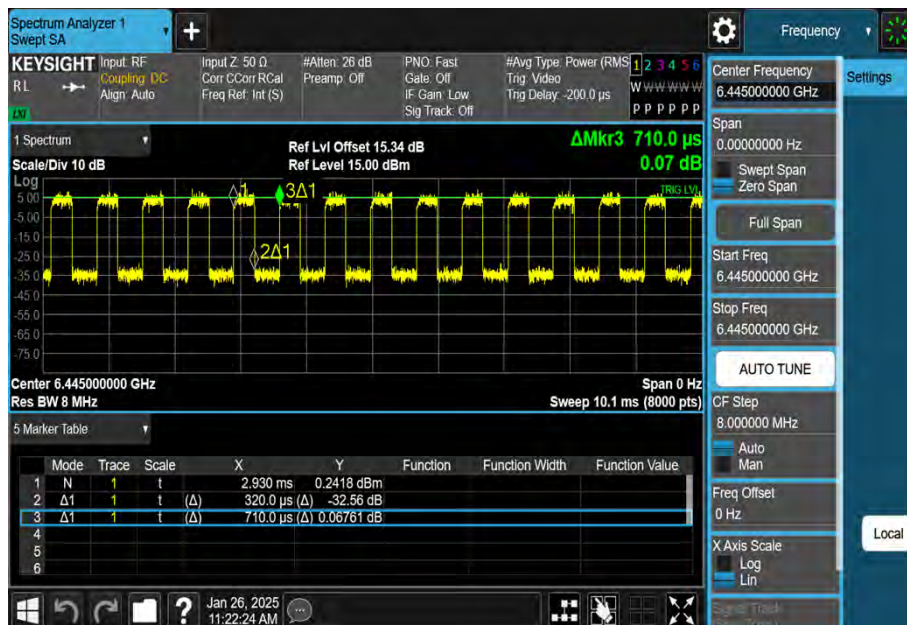
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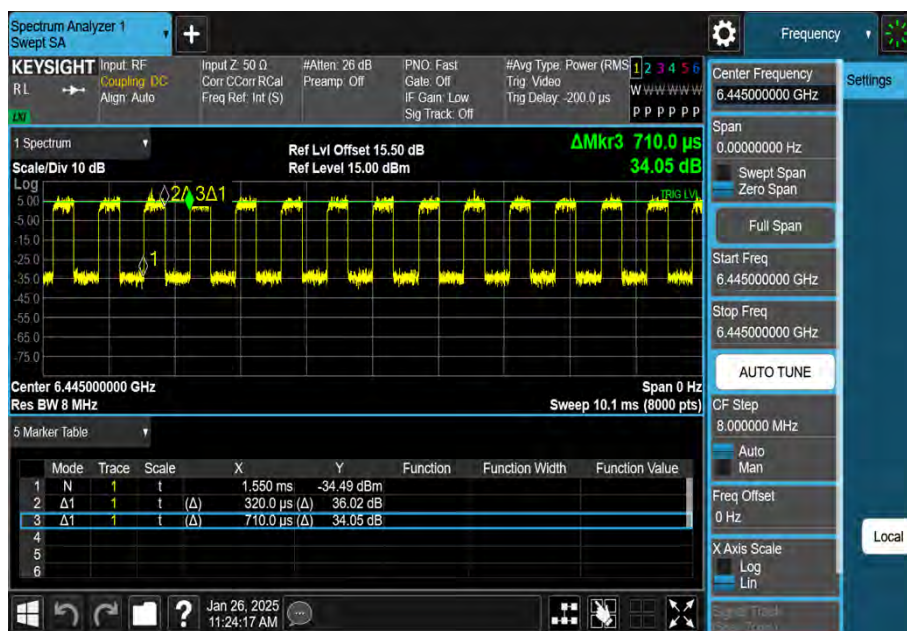
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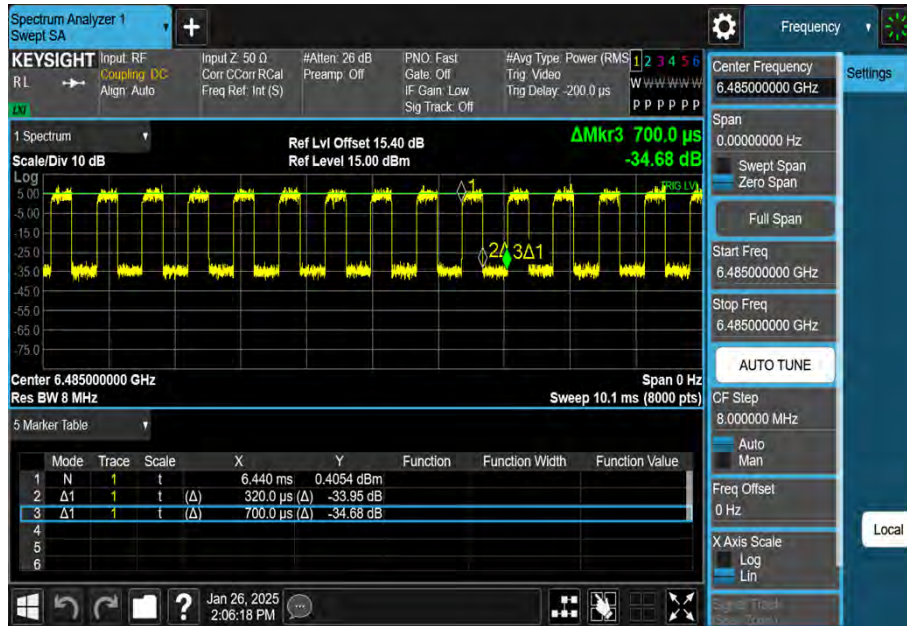
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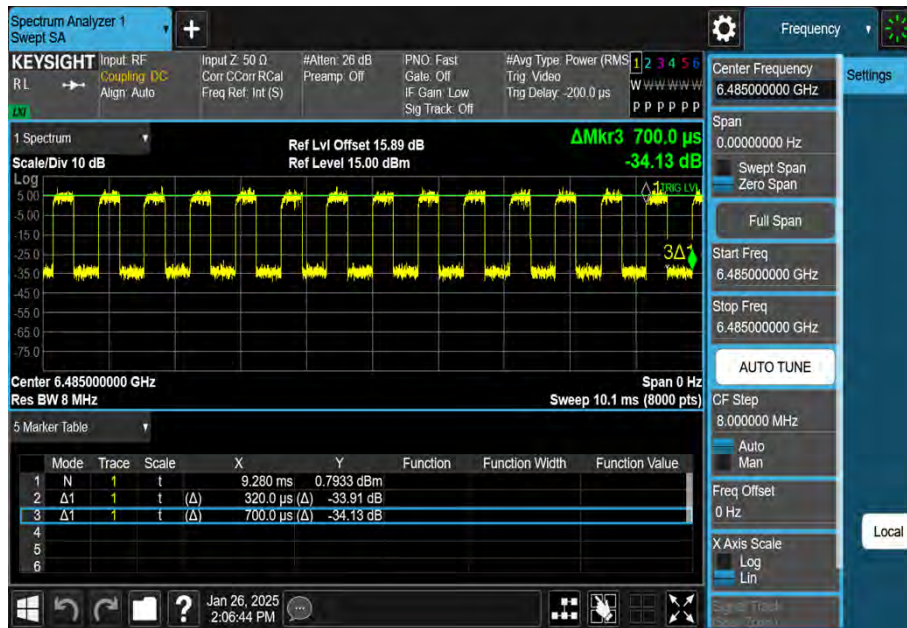
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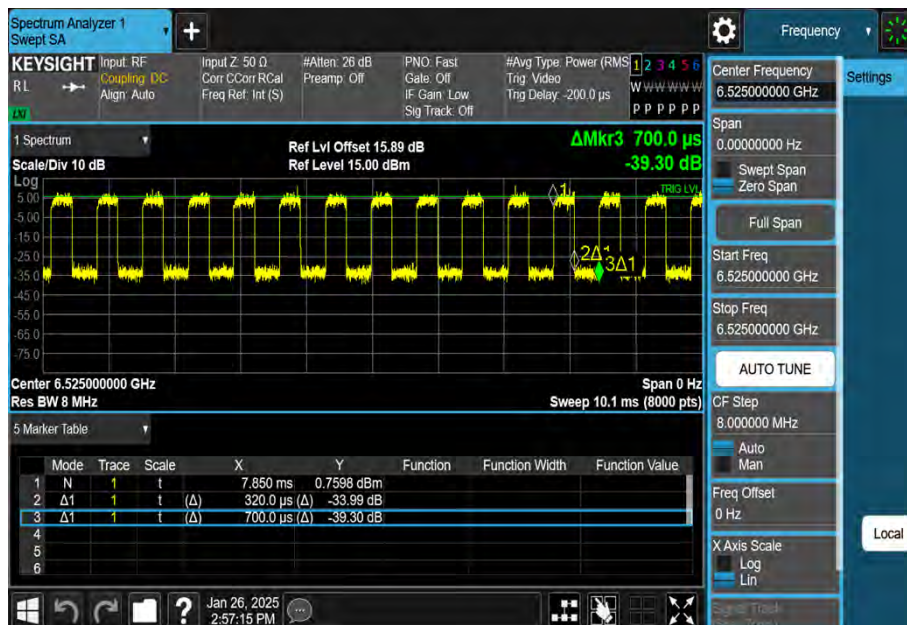
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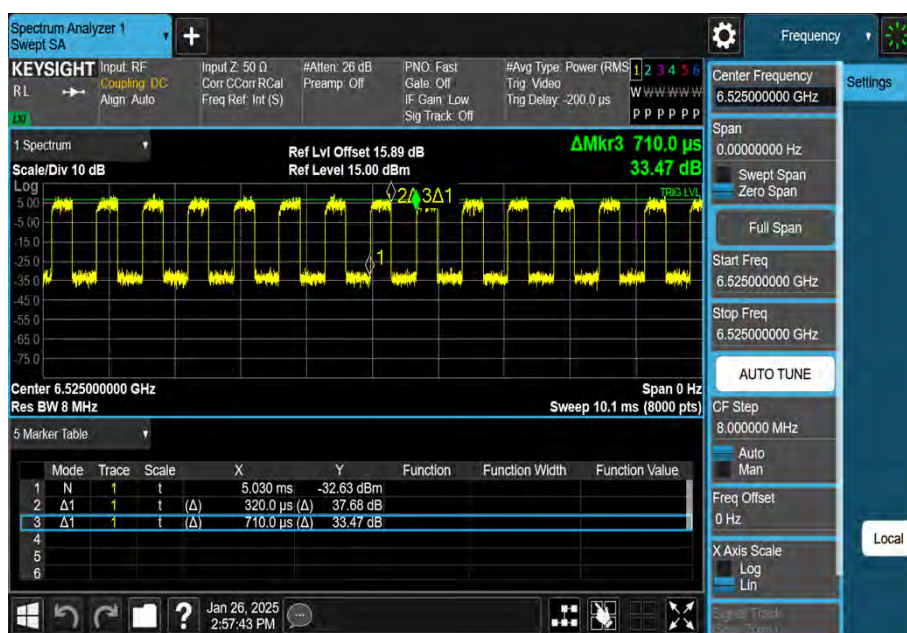
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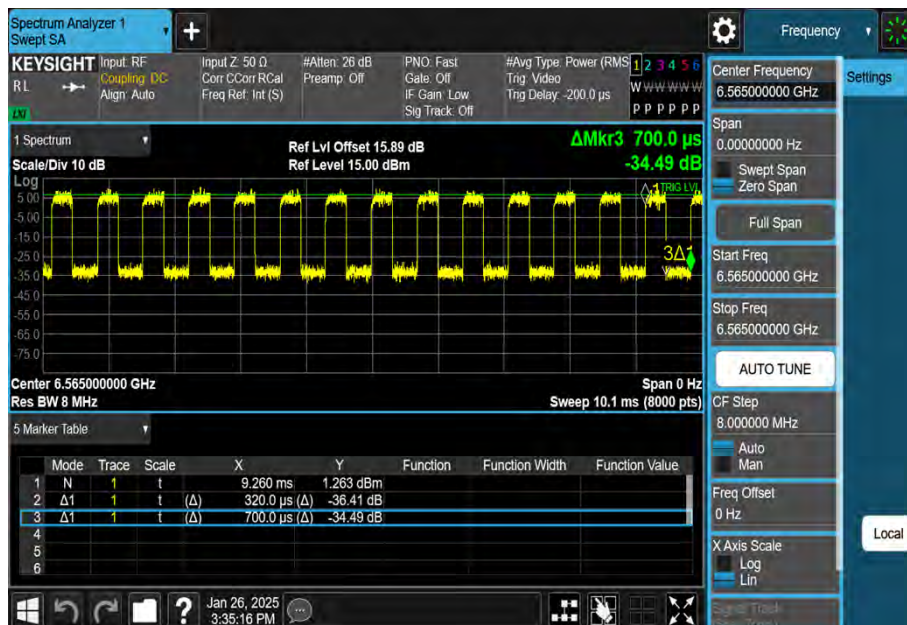
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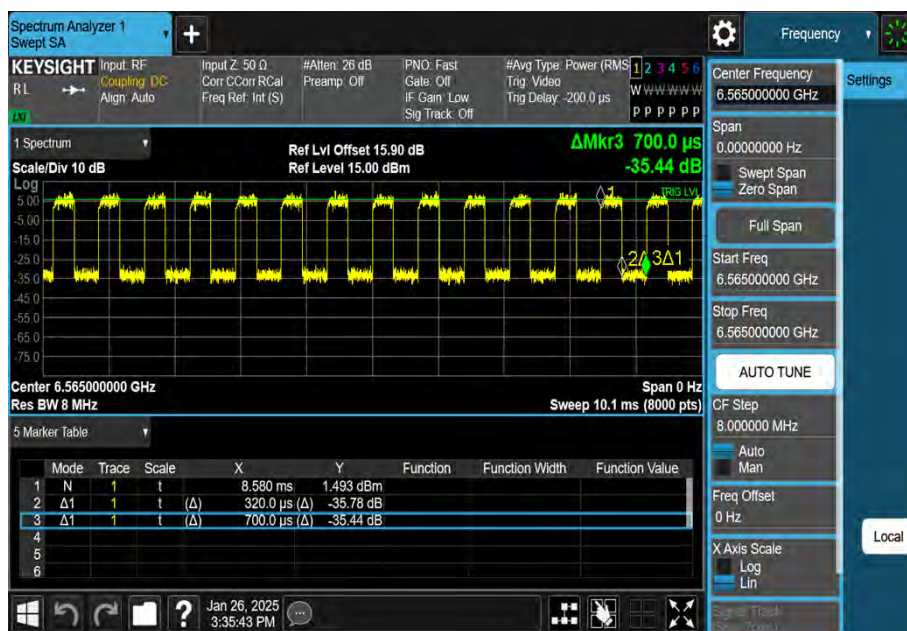
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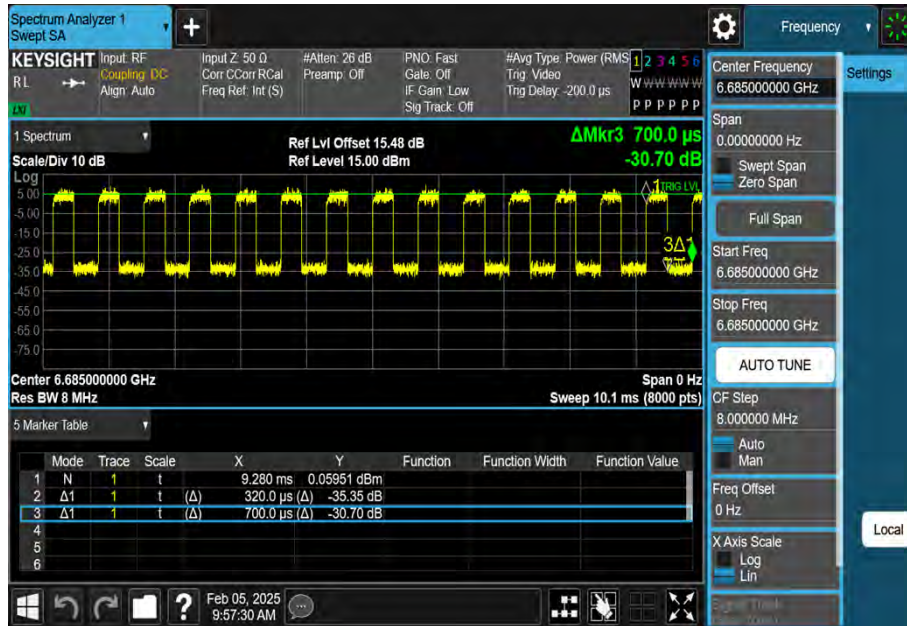
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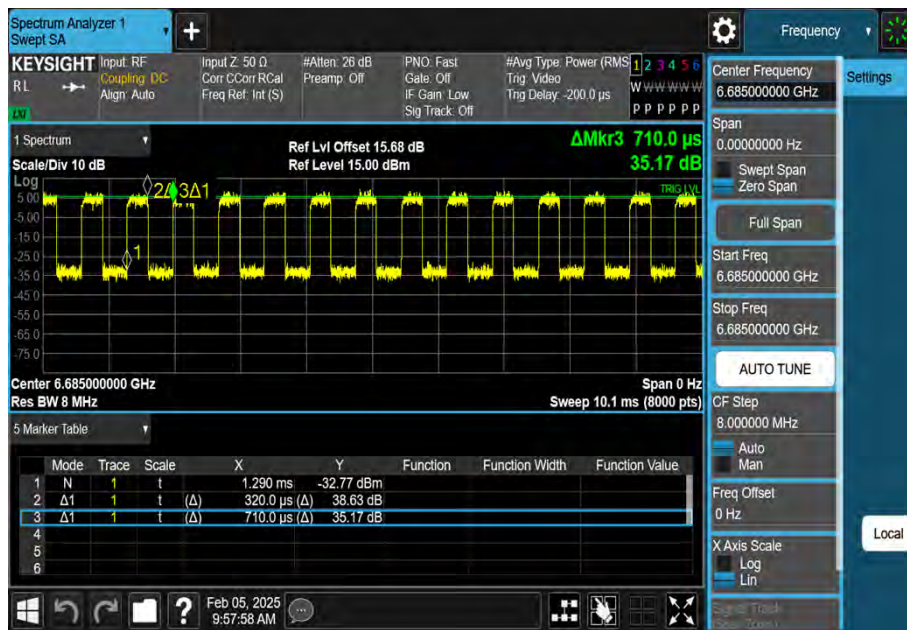
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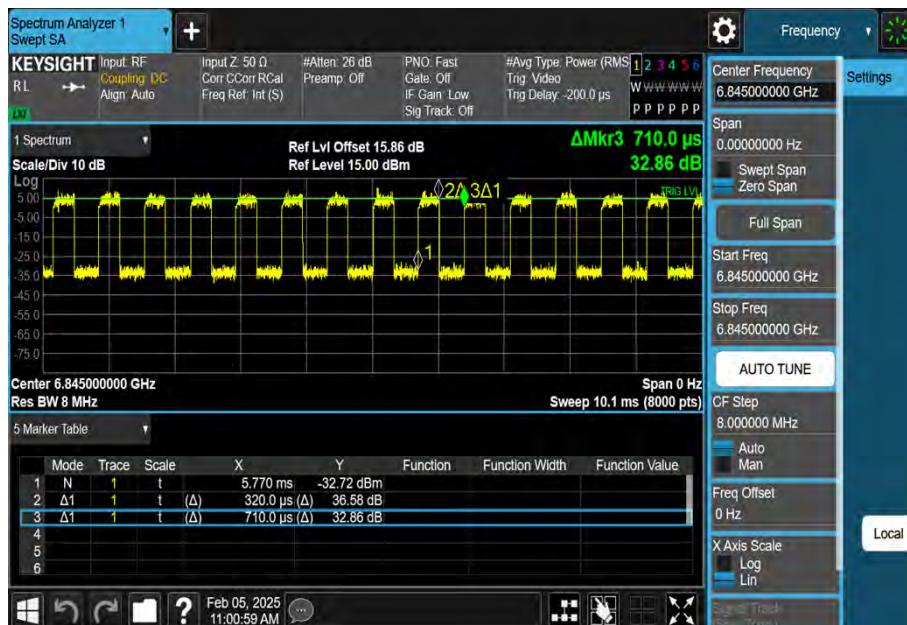
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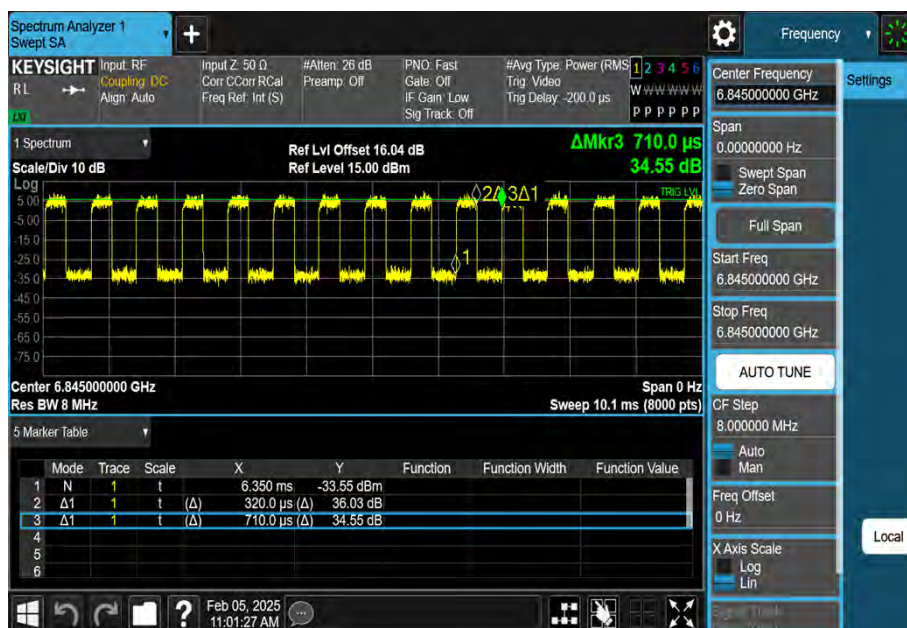
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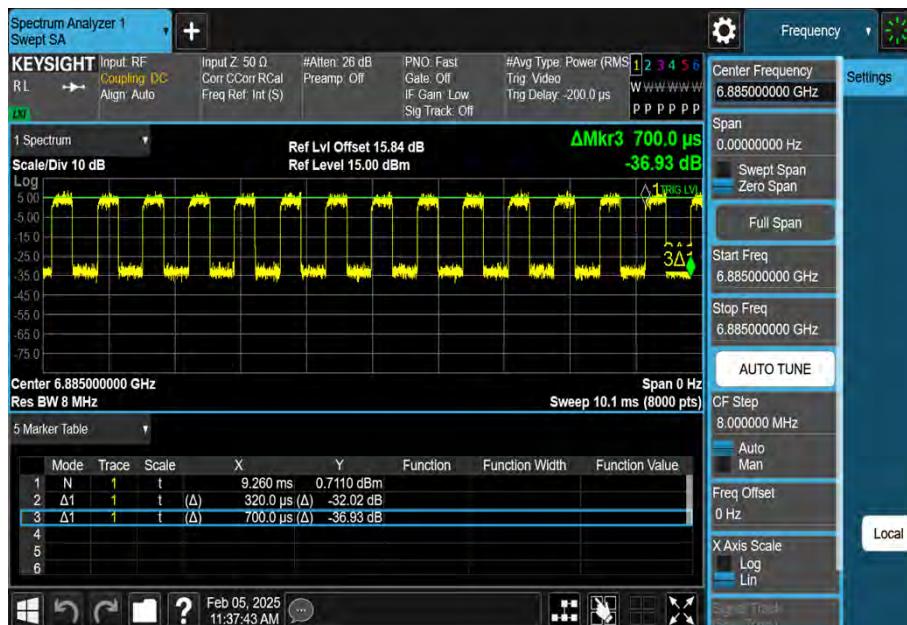
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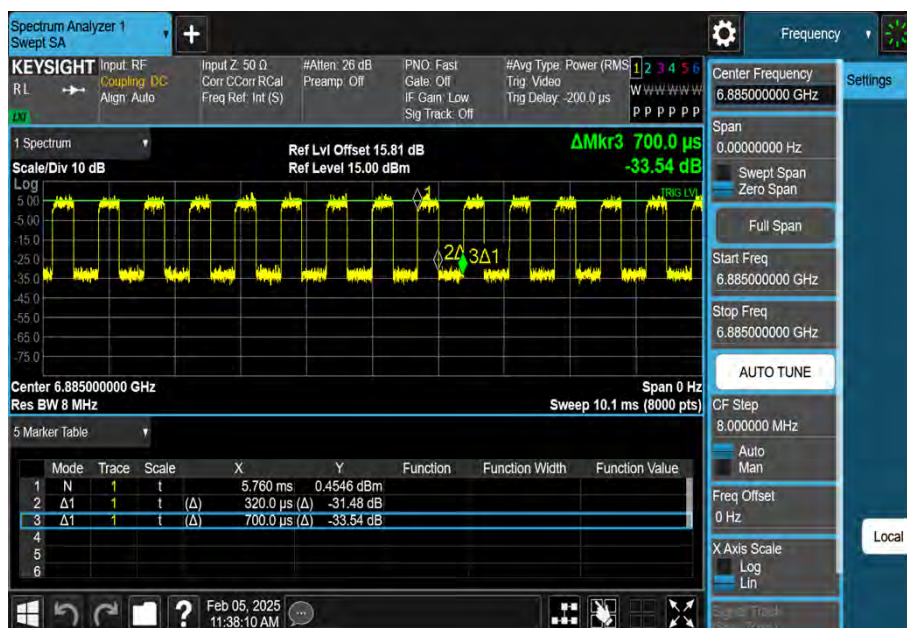
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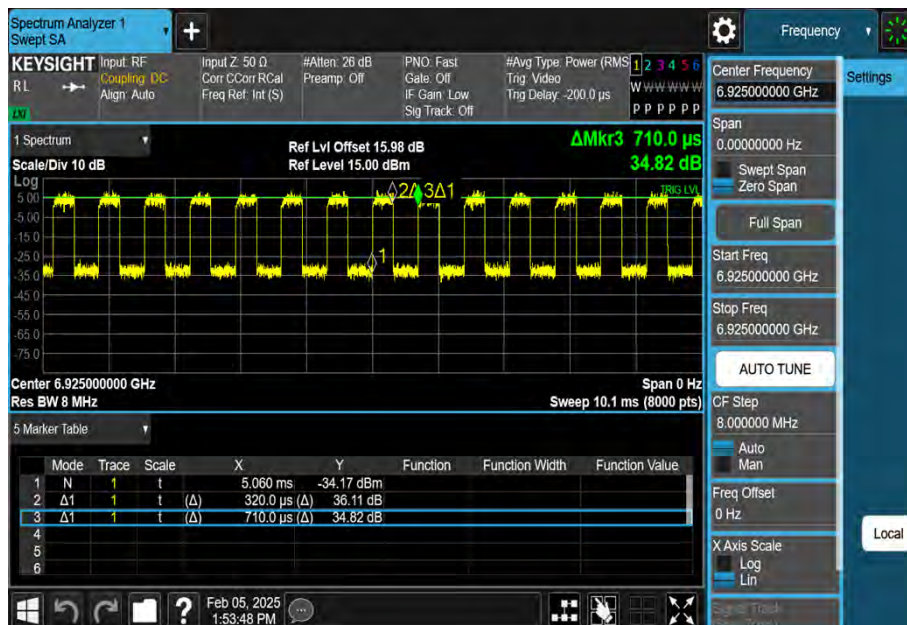
NTNV-11AX40MIMO-Ant2-6845



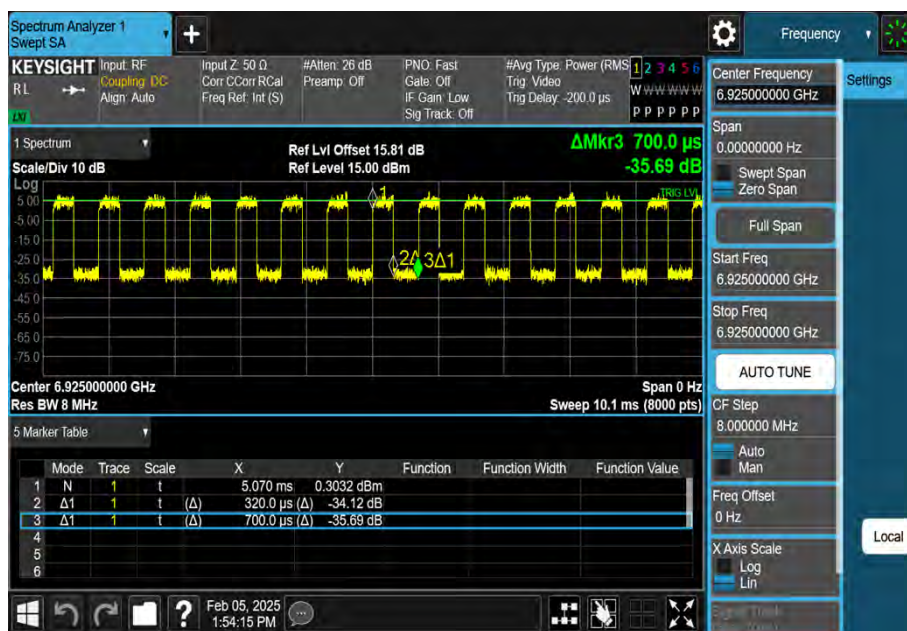
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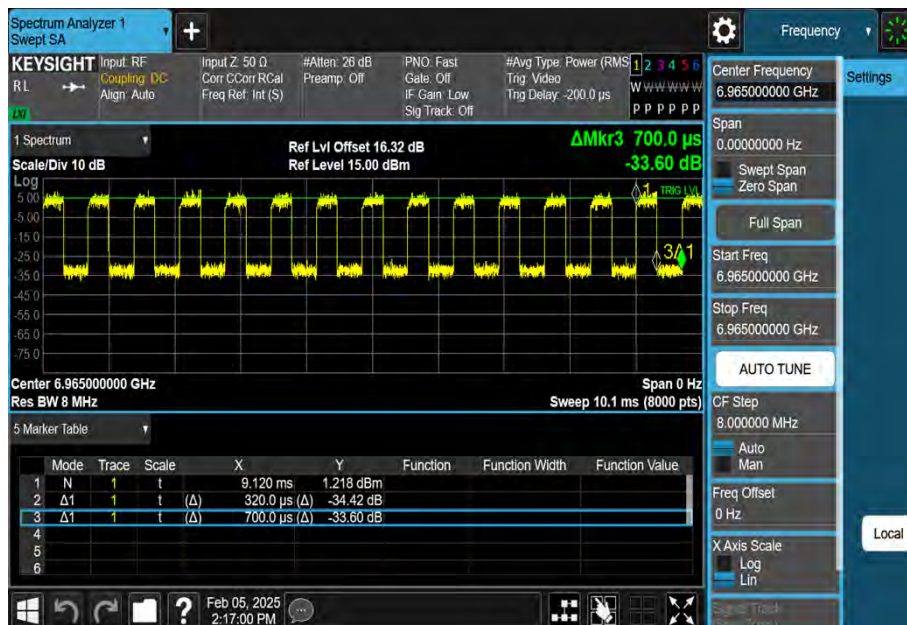
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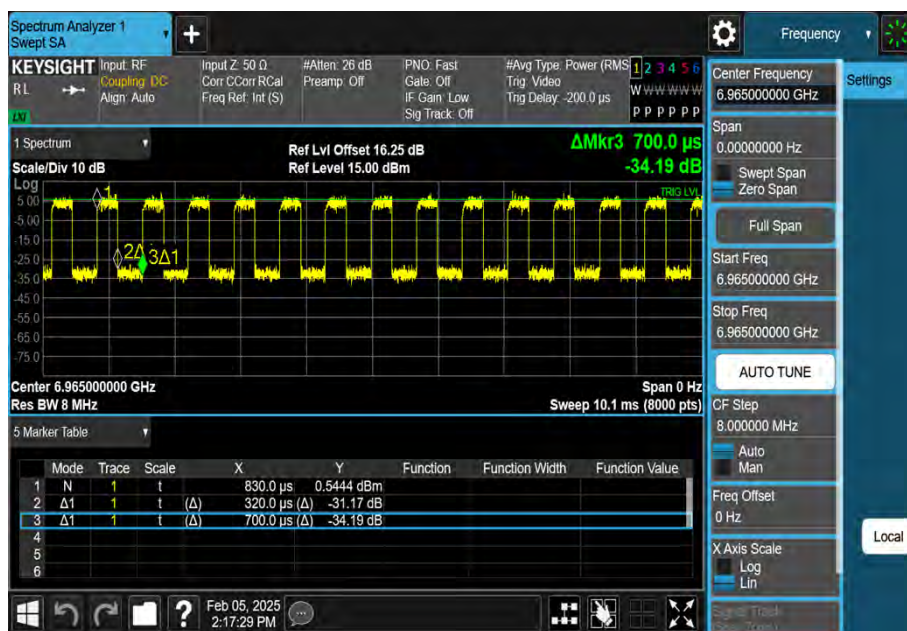
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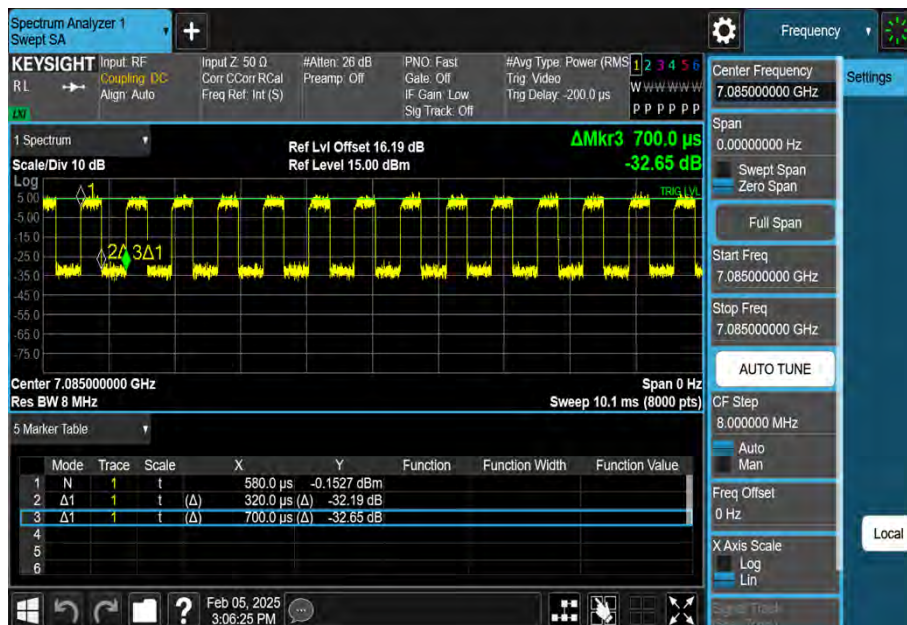
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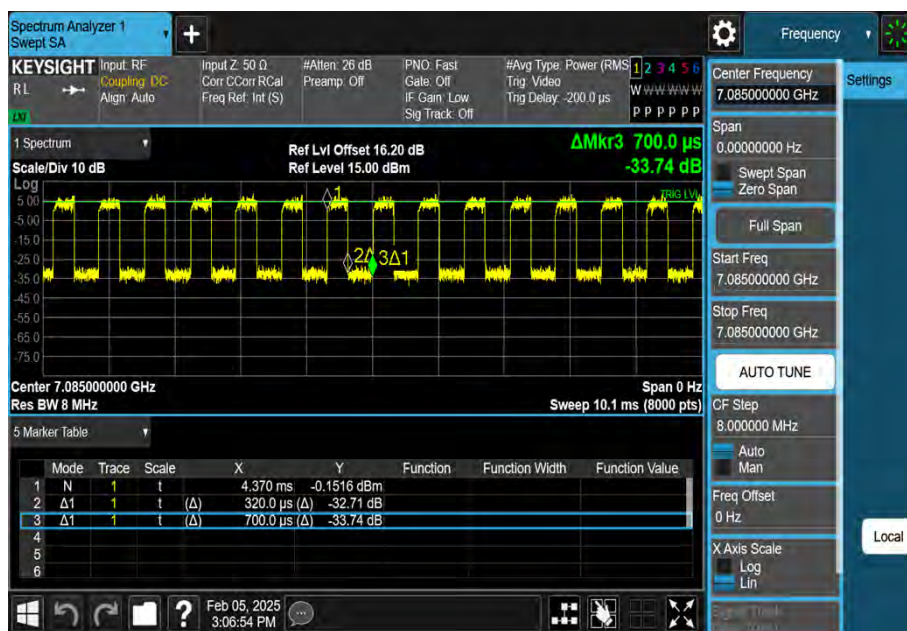
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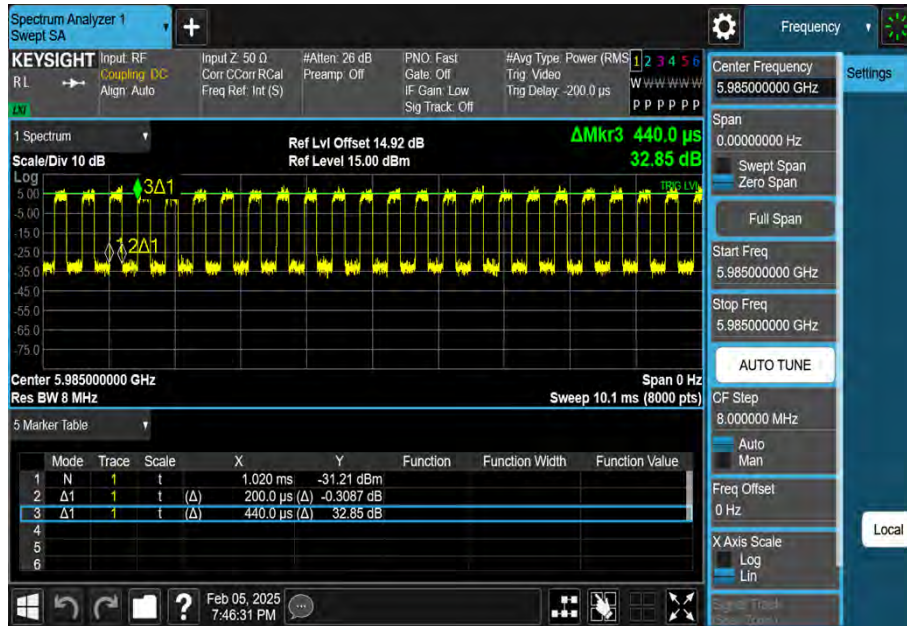
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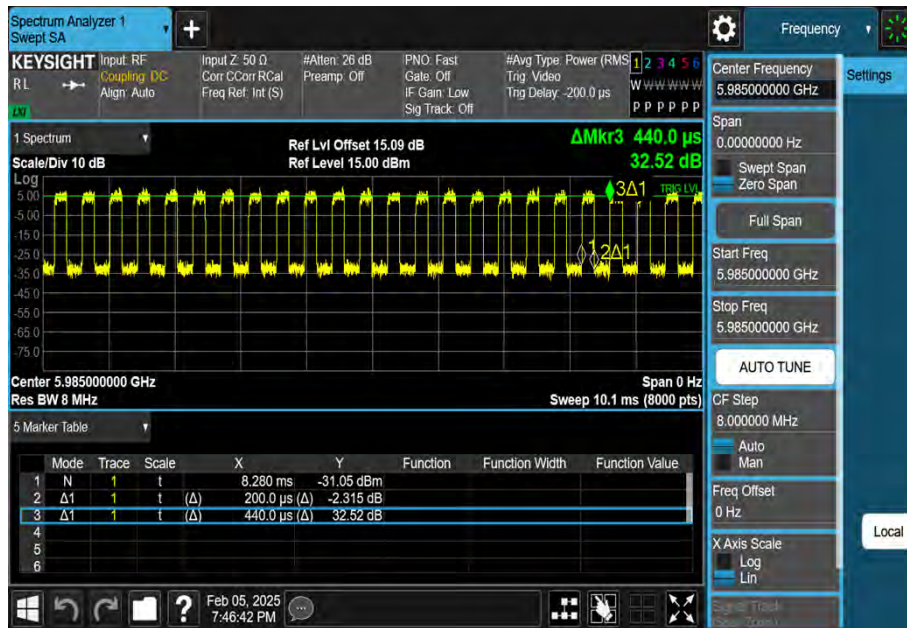
NTNV-11AX40MIMO-Ant1-7085



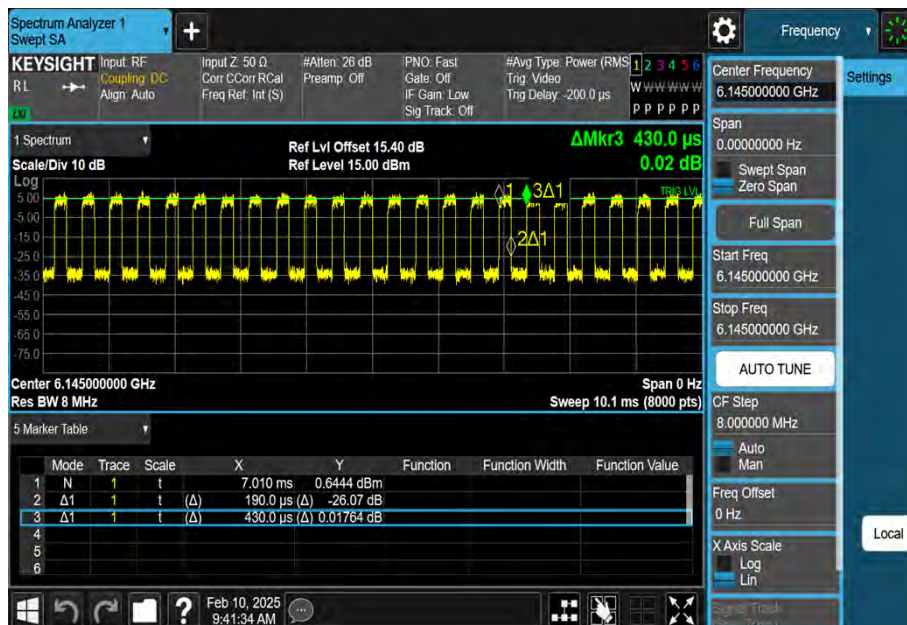
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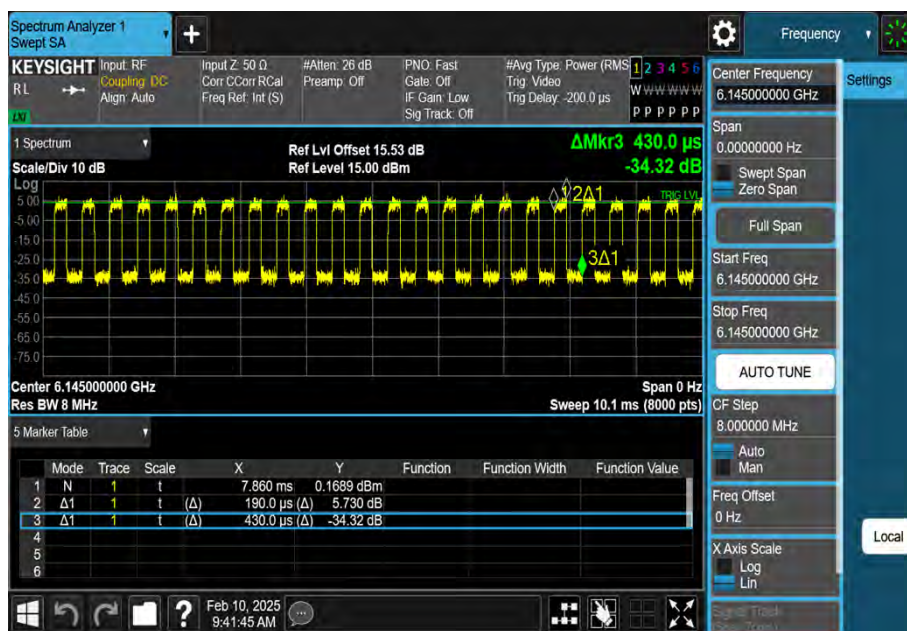
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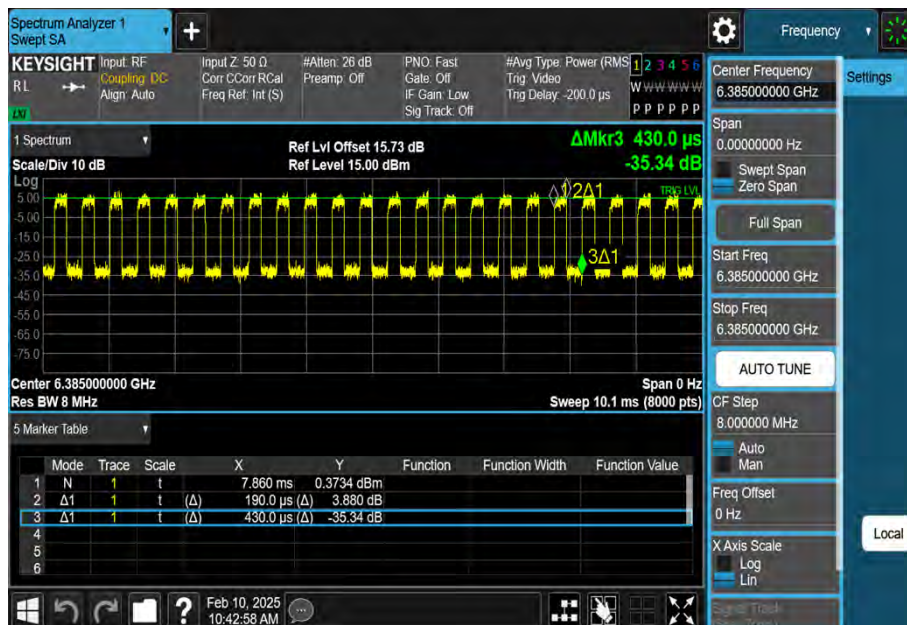
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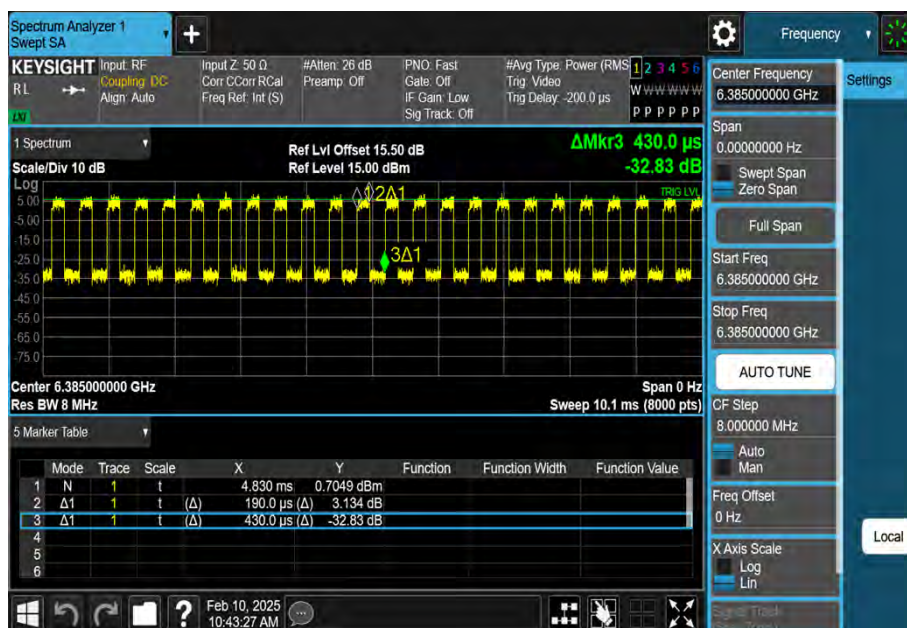
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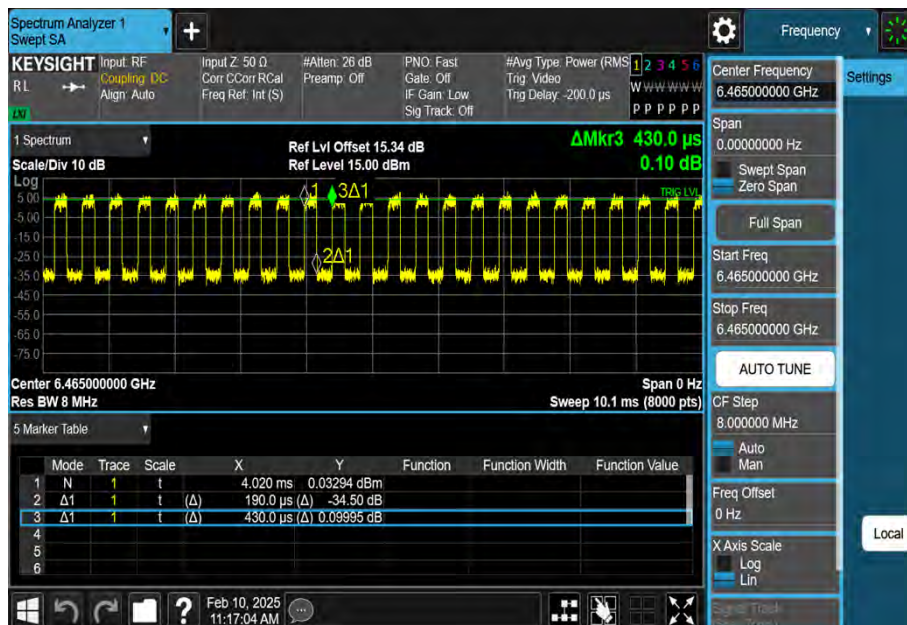
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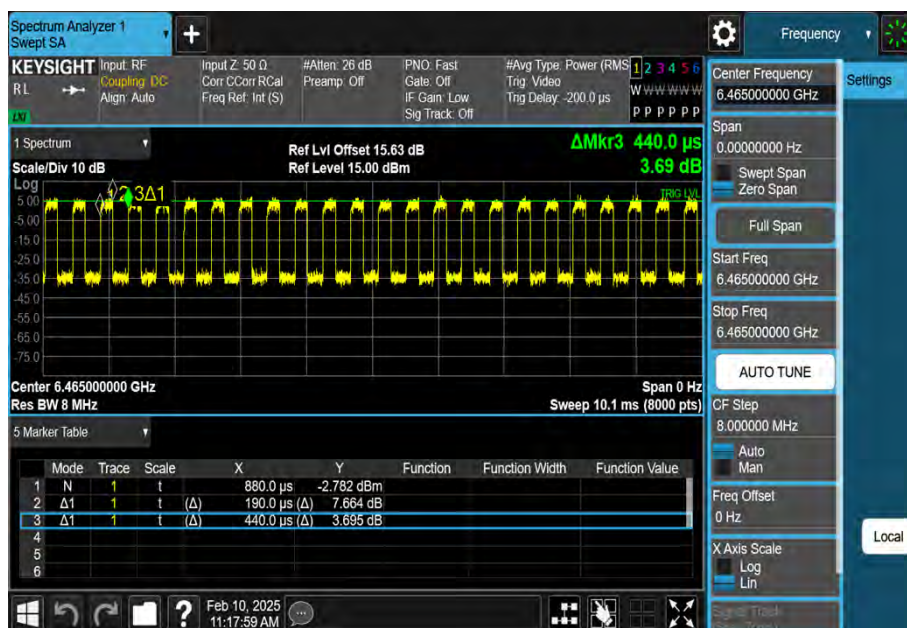
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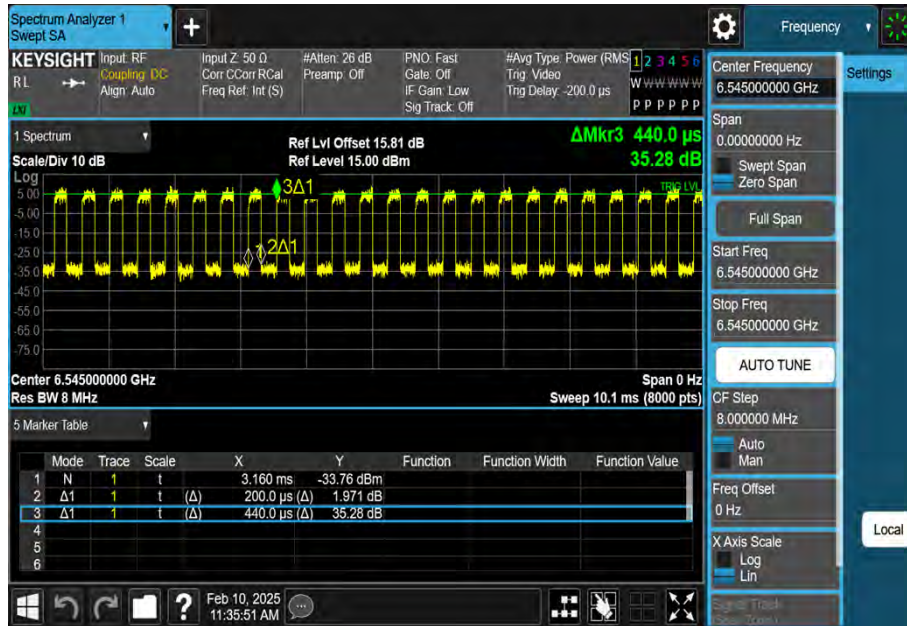
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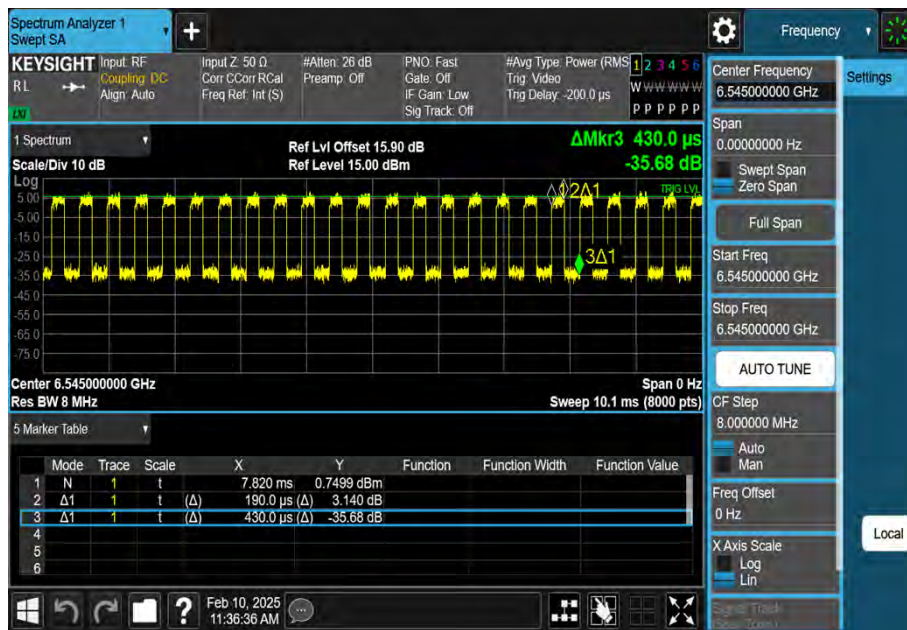
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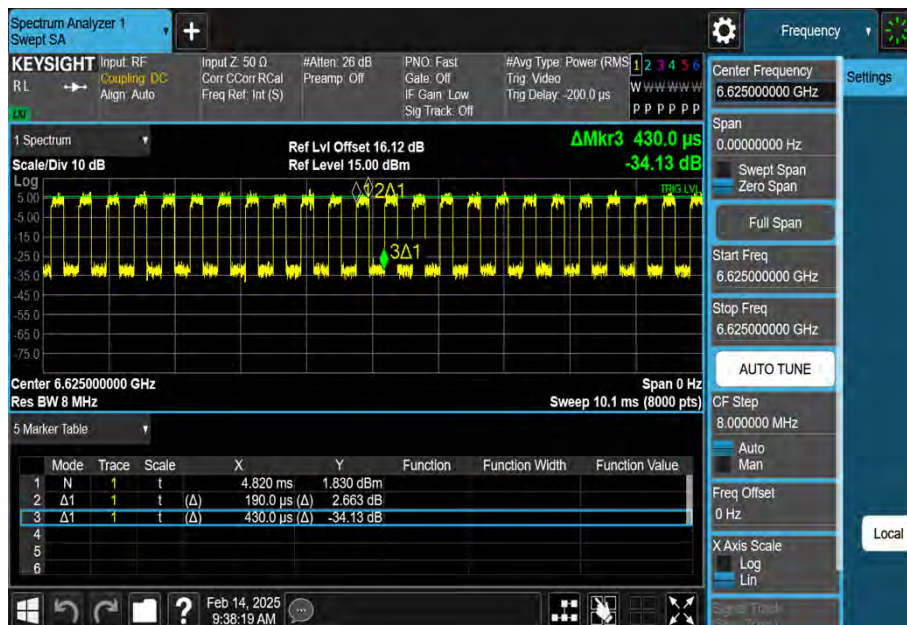
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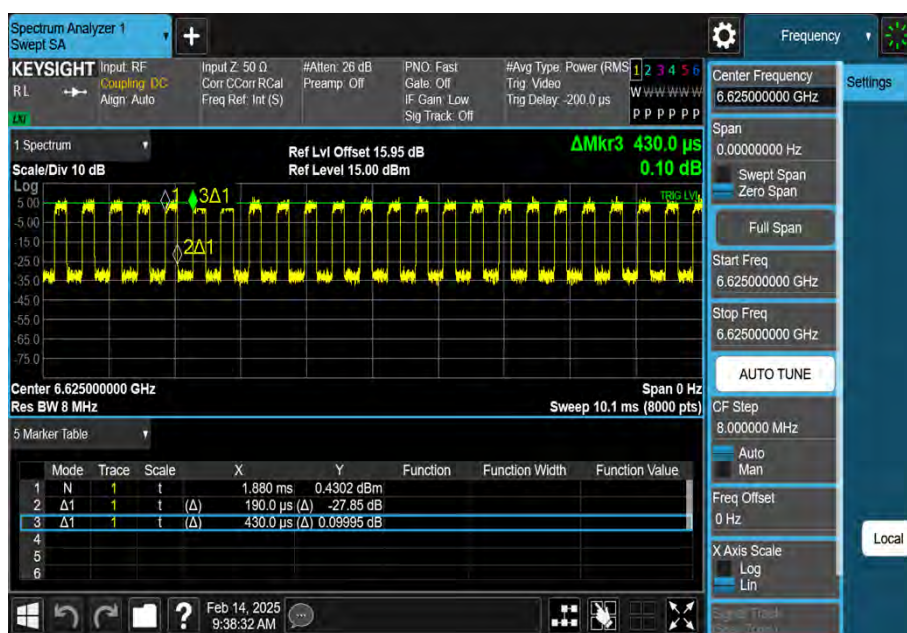
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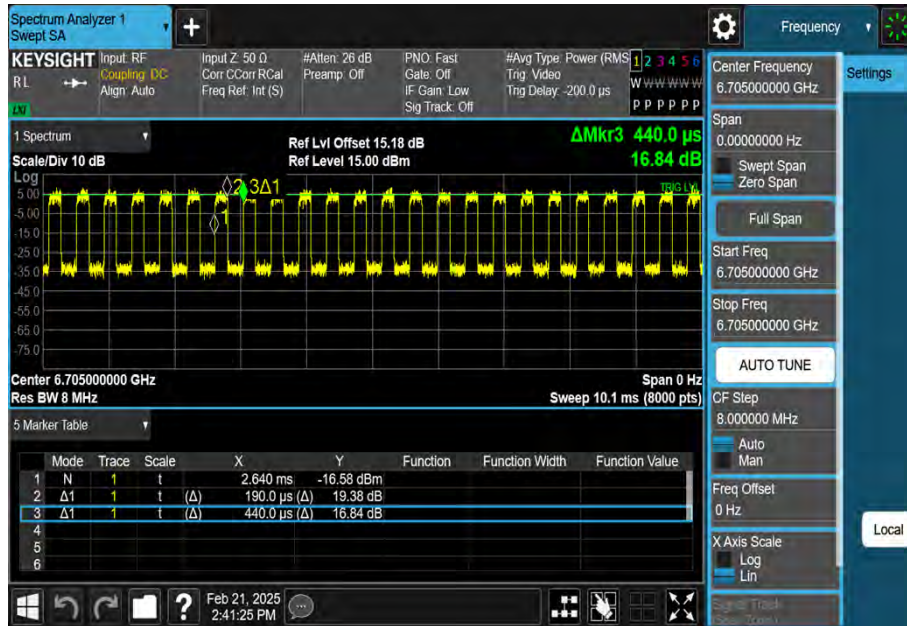
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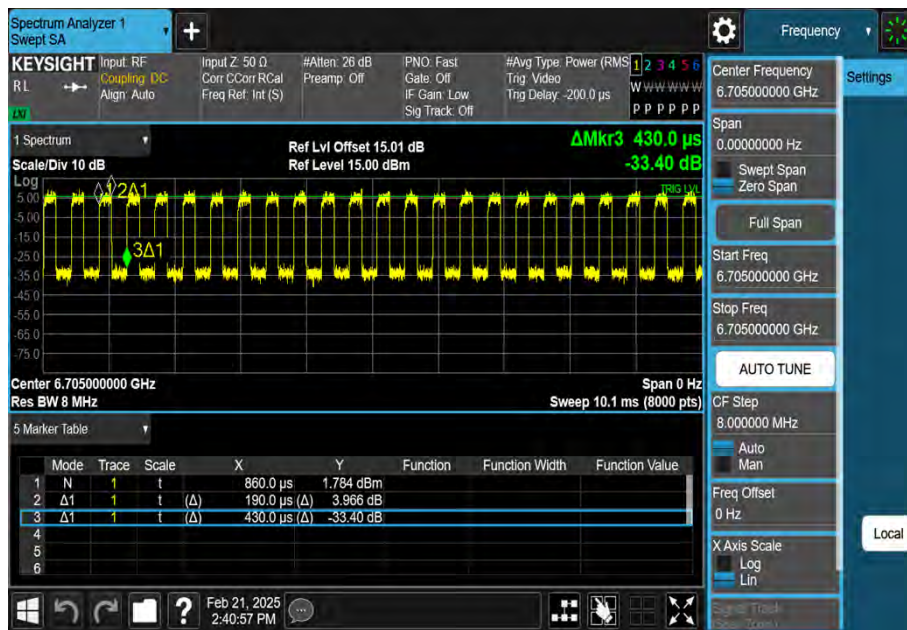
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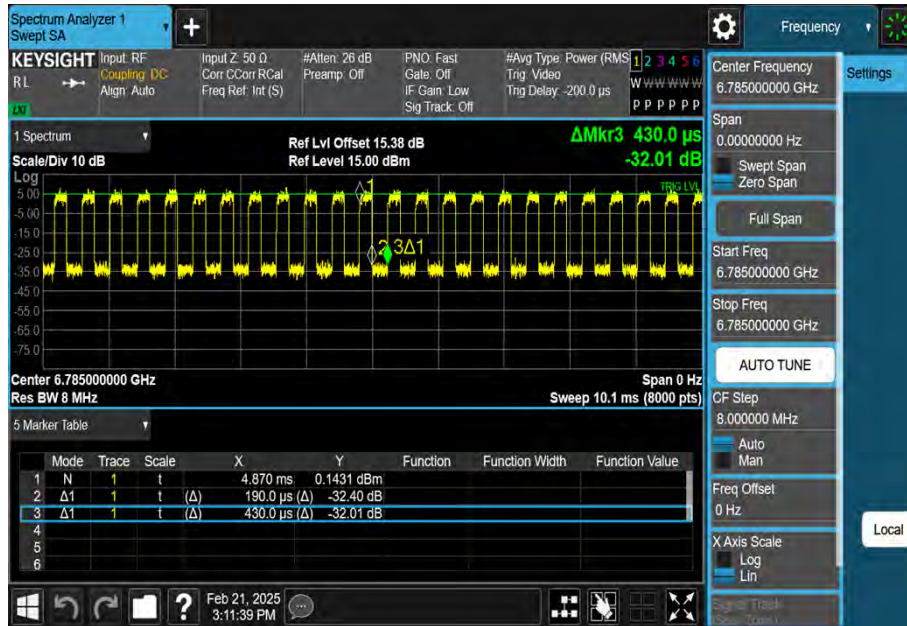
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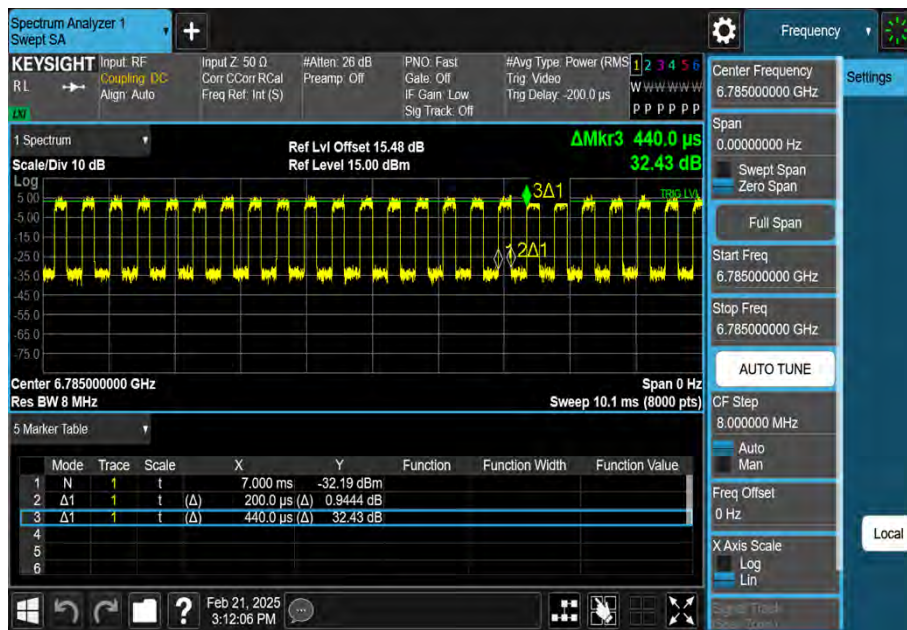
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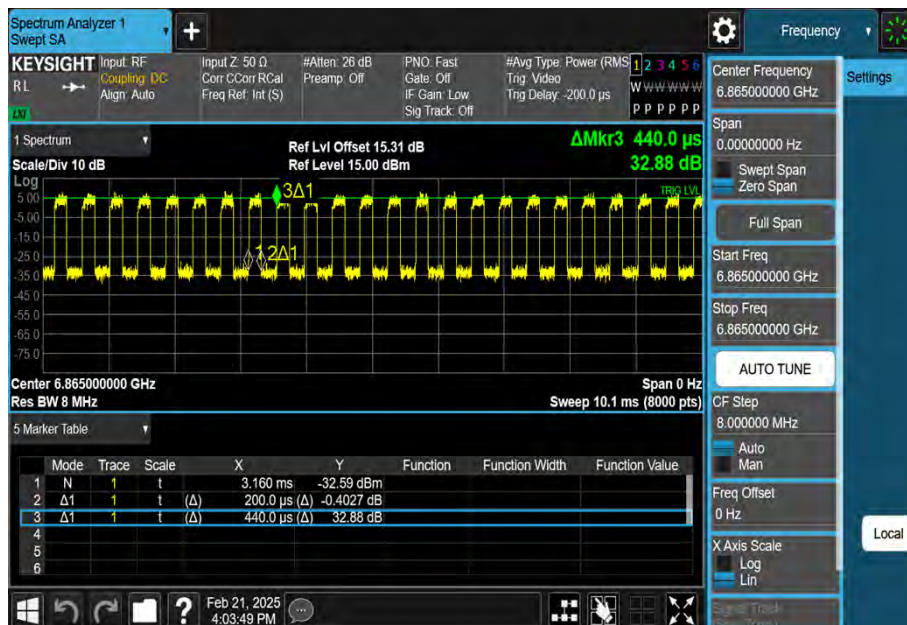
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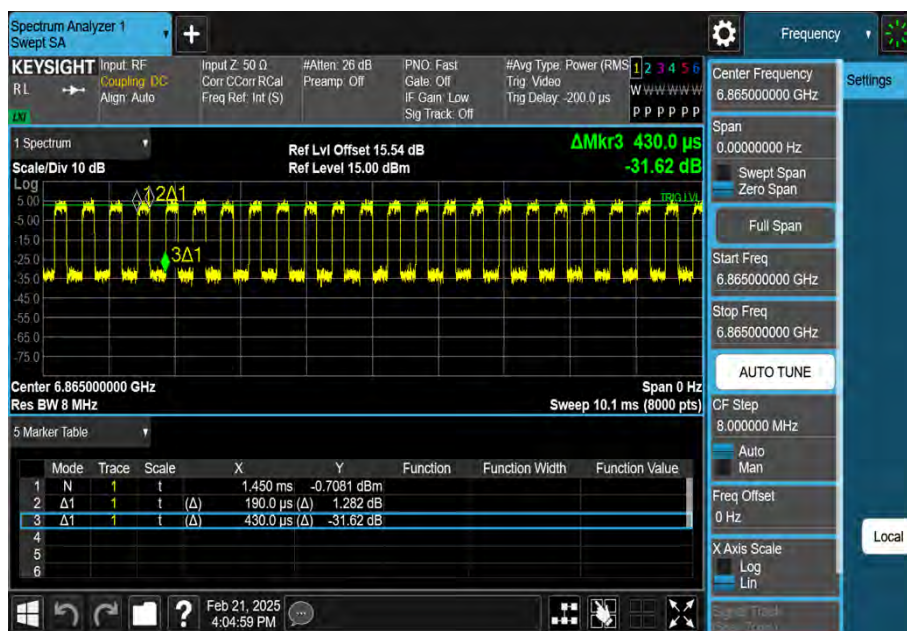
NTNV-11AX80MIMO-Ant1-6785



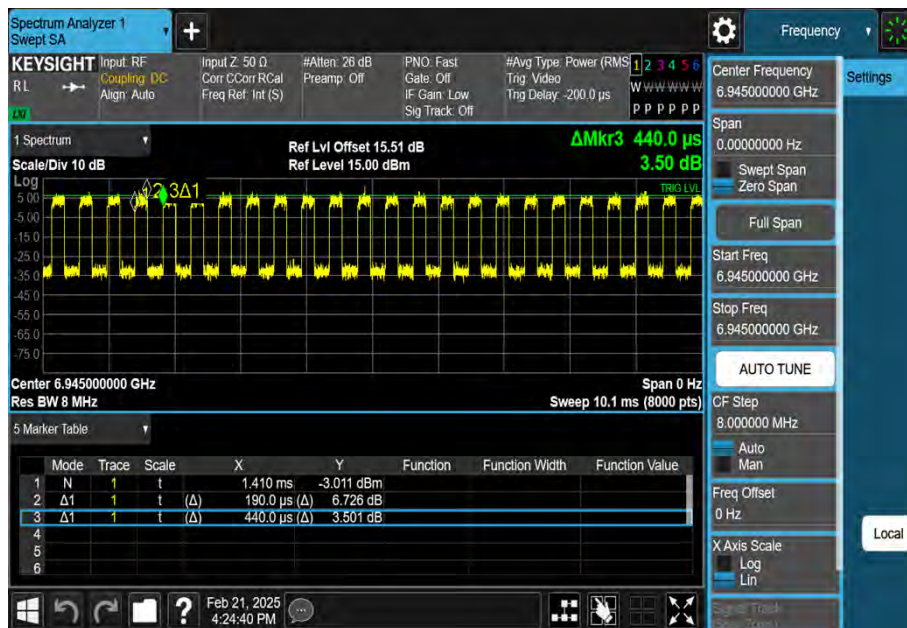
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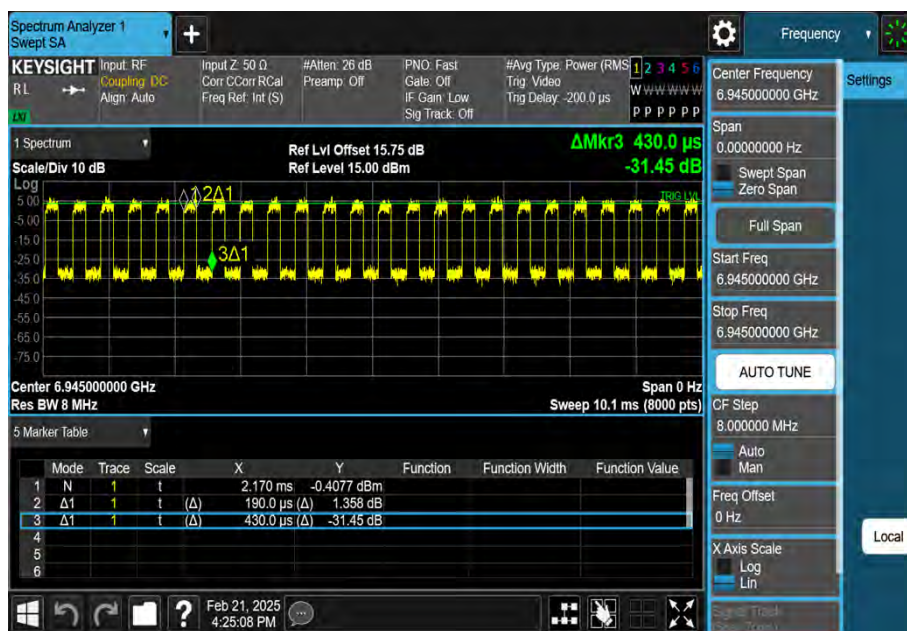
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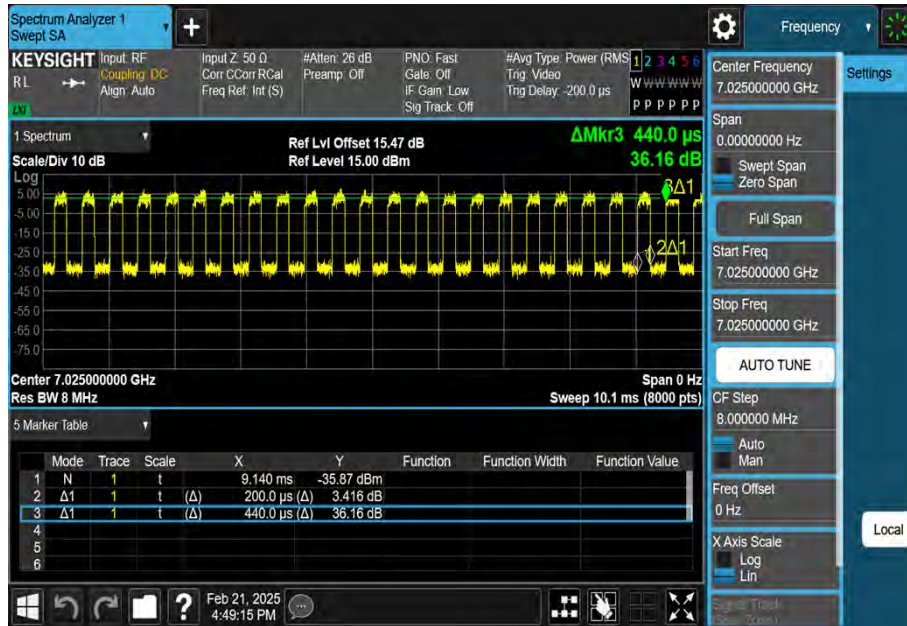
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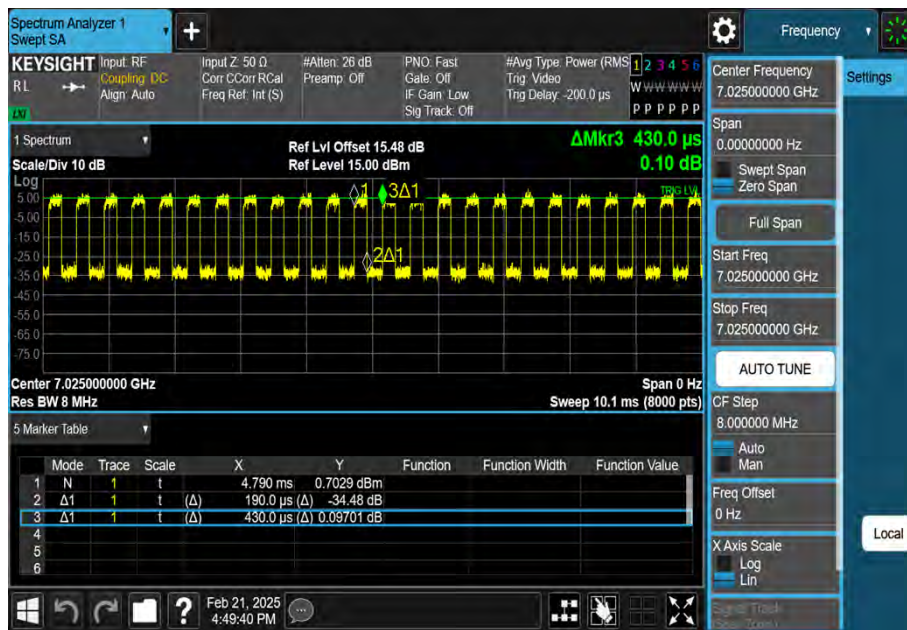
NTNV-11AX80MIMO-Ant1-6945



NTNV-11AX80MIMO-Ant2-6945



NTNV-11AX80MIMO-Ant2-7025



NTNV-11AX80MIMO-Ant1-7025

2.7 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Uncertainty	
Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 102\text{kHz}$
Power Spectral Density	$\pm 0.743\text{dB}$
Conducted Spurious Emission	$\pm 1.328\text{dB}$
RF power conducted	$\pm 0.377\text{dB}$
Conducted emission(9kHz~30MHz) AC main	$\pm 2.68\text{dB}$
Radiated emission(9kHz~30MHz)	$\pm 2.74\text{dB}$
Radiated emission (30MHz~1GHz)	$\pm 4.22\text{dB}$
Radiated emission (1GHz~18GHz)	$\pm 5.06\text{dB}$
Radiated emission (18GHz~40GHz)	$\pm 4.98\text{dB}$

2.8 Test Location

Company:	Shenzhen Haiyun Standard Technical CO., Ltd.
Address:	No. 110-113, 115, 116, Block B, Jinyuan Business Building, Bao'an District, Shenzhen, China
CNAS Registration Number:	CNAS L18252
CAB identifier:	CN0145
A2LA Certificate Number:	6823.01
Telephone:	0755-26024411

2.9 Deviation from Standards

Support Equipment				
No.	Equipment	Model Name	Manufacturer	Remarks
1	Notebook	L450	Think	/

3. Test Procedure And Results

3.1 26dB & 99% Bandwidth Measurement

3.1.1 Limit

The upper and lower frequency limits of the transmitter 99 % emission power bandwidth shall at all times remain within the operating frequency limits.

Some transmitter categories require a specific limit for emission bandwidth. In such cases, the emission bandwidth shall be established by testing in accordance with the relevant specified Standard.

3.1.2 Test Procedure

KDB 789033 D02v02r01- Section II)C)1) (26dB Bandwidth)

KDB 789033 D02v02r01- Section II)D) (99% Bandwidth)

3.1.3 Test Setup

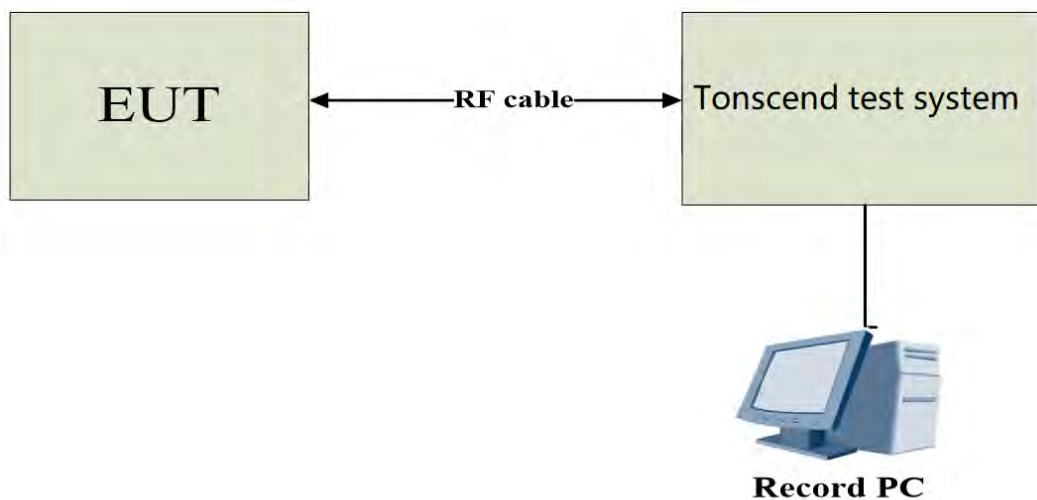
26dB Bandwidth

1. The analyzers' automatic bandwidth measurement capability was used to perform the 26dB bandwidth
2. RBW = approximately 1% of the emission bandwidth.
3. VBW > RBW
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency.
2. RBW = 1% to 5% of the OBW
3. VBW $\geq$ 3 RBW
4. Span = 1.5 times to 5 times the OBW
5. Detector = peak
6. Trace mode = max hold
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument.

3.1.4 Test Setup



3.1.5 Test Result

Emission Bandwidth

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20MIMO	Ant1	5955	23.200	5943.200	5966.400	---	---
11AX20MIMO	Ant2	5955	23.400	5943.120	5966.520	---	---
11AX20MIMO	Ant1	6175	21.760	6163.960	6185.720	---	---
11AX20MIMO	Ant2	6175	21.440	6164.200	6185.640	---	---
11AX20MIMO	Ant1	6415	21.360	6404.320	6425.680	---	---
11AX20MIMO	Ant2	6415	21.080	6404.280	6425.360	---	---
11AX20MIMO	Ant1	6435	21.920	6423.960	6445.880	---	---
11AX20MIMO	Ant2	6435	21.600	6424.160	6445.760	---	---
11AX20MIMO	Ant1	6475	21.720	6463.800	6485.520	---	---
11AX20MIMO	Ant2	6475	21.800	6464.040	6485.840	---	---
11AX20MIMO	Ant1	6515	21.360	6504.160	6525.520	---	---
11AX20MIMO	Ant2	6515	21.320	6504.120	6525.440	---	---
11AX20MIMO	Ant1	6535	21.400	6524.440	6545.840	---	---
11AX20MIMO	Ant2	6535	21.440	6524.320	6545.760	---	---
11AX20MIMO	Ant1	6695	21.720	6684.120	6705.840	---	---
11AX20MIMO	Ant2	6695	21.440	6684.320	6705.760	---	---
11AX20MIMO	Ant1	6855	21.640	6844.120	6865.760	---	---
11AX20MIMO	Ant2	6855	21.120	6844.320	6865.440	---	---
11AX20MIMO	Ant1	6875	21.600	6864.320	6885.920	---	---
11AX20MIMO	Ant2	6875	21.280	6864.400	6885.680	---	---
11AX20MIMO	Ant1	6895	21.320	6884.320	6905.640	---	---
11AX20MIMO	Ant2	6895	20.600	6884.680	6905.280	---	---

11AX20MIMO	Ant1	6995	21.040	6984.440	7005.480	---	---
11AX20MIMO	Ant2	6995	21.480	6984.400	7005.880	---	---
11AX20MIMO	Ant1	7115	21.680	7104.240	7125.920	---	---
11AX20MIMO	Ant2	7115	21.320	7104.200	7125.520	---	---
11AX40MIMO	Ant1	5965	39.200	5945.400	5984.600	---	---
11AX40MIMO	Ant2	5965	39.520	5945.240	5984.760	---	---
11AX40MIMO	Ant1	6165	39.280	6145.320	6184.600	---	---
11AX40MIMO	Ant2	6165	39.120	6145.480	6184.600	---	---
11AX40MIMO	Ant1	6405	39.200	6385.480	6424.680	---	---
11AX40MIMO	Ant2	6405	39.280	6385.320	6424.600	---	---
11AX40MIMO	Ant2	6445	39.440	6425.240	6464.680	---	---
11AX40MIMO	Ant1	6445	39.680	6425.240	6464.920	---	---
11AX40MIMO	Ant1	6485	39.360	6465.160	6504.520	---	---
11AX40MIMO	Ant2	6485	39.200	6465.320	6504.520	---	---
11AX40MIMO	Ant1	6525	39.520	6505.160	6544.680	---	---
11AX40MIMO	Ant2	6525	39.200	6505.400	6544.600	---	---
11AX40MIMO	Ant1	6565	39.280	6545.400	6584.680	---	---
11AX40MIMO	Ant2	6565	39.200	6545.240	6584.440	---	---
11AX40MIMO	Ant1	6685	39.120	6665.400	6704.520	---	---
11AX40MIMO	Ant2	6685	39.200	6665.480	6704.680	---	---
11AX40MIMO	Ant1	6845	39.360	6825.240	6864.600	---	---
11AX40MIMO	Ant2	6845	39.280	6825.320	6864.600	---	---
11AX40MIMO	Ant1	6885	39.520	6865.320	6904.840	---	---
11AX40MIMO	Ant2	6885	39.360	6865.320	6904.680	---	---
11AX40MIMO	Ant1	6925	39.360	6905.320	6944.680	---	---
11AX40MIMO	Ant2	6925	39.120	6905.480	6944.600	---	---
11AX40MIMO	Ant1	6965	39.280	6945.400	6984.680	---	---
11AX40MIMO	Ant2	6965	39.520	6945.160	6984.680	---	---
11AX40MIMO	Ant1	7085	39.200	7065.400	7104.600	---	---
11AX40MIMO	Ant2	7085	39.200	7065.240	7104.440	---	---
11AX80MIMO	Ant1	5985	79.840	5945.000	6024.840	---	---
11AX80MIMO	Ant2	5985	80.000	5945.000	6025.000	---	---
11AX80MIMO	Ant1	6145	80.000	6105.000	6185.000	---	---
11AX80MIMO	Ant2	6145	80.000	6105.000	6185.000	---	---
11AX80MIMO	Ant1	6385	80.160	6344.840	6425.000	---	---
11AX80MIMO	Ant2	6385	79.680	6345.160	6424.840	---	---
11AX80MIMO	Ant1	6465	80.000	6425.000	6505.000	---	---
11AX80MIMO	Ant2	6465	80.000	6425.000	6505.000	---	---
11AX80MIMO	Ant1	6545	80.000	6505.160	6585.160	---	---
11AX80MIMO	Ant2	6545	79.840	6505.000	6584.840	---	---
11AX80MIMO	Ant1	6625	80.000	6585.000	6665.000	---	---
11AX80MIMO	Ant2	6625	80.000	6585.000	6665.000	---	---
11AX80MIMO	Ant1	6705	79.680	6665.000	6744.680	---	---

11AX80MIMO	Ant2	6705	80.000	6665.000	6745.000	---	---
11AX80MIMO	Ant1	6785	79.840	6745.000	6824.840	---	---
11AX80MIMO	Ant2	6785	80.000	6745.000	6825.000	---	---
11AX80MIMO	Ant1	6865	80.000	6824.840	6904.840	---	---
11AX80MIMO	Ant2	6865	80.160	6824.840	6905.000	---	---
11AX80MIMO	Ant1	6945	80.000	6905.000	6985.000	---	---
11AX80MIMO	Ant2	6945	80.160	6904.840	6985.000	---	---
11AX80MIMO	Ant1	7025	80.000	6985.000	7065.000	---	---
11AX80MIMO	Ant2	7025	80.000	6985.000	7065.000	---	---



11AX20MIMO-Ant1-5955



11AX20MIMO-Ant2-5955



11AX20MIMO-Ant1-6175



11AX20MIMO-Ant2-6175



11AX20MIMO-Ant1-6415



11AX20MIMO-Ant2-6415



11AX20MIMO-Ant1-6435



11AX20MIMO-Ant2-6435



11AX20MIMO-Ant1-6475



11AX20MIMO-Ant2-6475



11AX20MIMO-Ant1-6515



11AX20MIMO-Ant2-6515



11AX20MIMO-Ant1-6535



11AX20MIMO-Ant2-6535



11AX20MIMO-Ant1-6695



11AX20MIMO-Ant2-6695



11AX20MIMO-Ant1-6855



11AX20MIMO-Ant2-6855



11AX20MIMO-Ant1-6875



11AX20MIMO-Ant2-6875



11AX20MIMO-Ant1-6895



11AX20MIMO-Ant2-6895



Keysight Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF
Coupling: DC
RL → Align: Auto

Input Z: 50 Ω
Corr: CCorr RCal
Freq Ref: Int (S)

#Atten: 16 dB
Preamp: Off

PNO: Best Wids
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS)
Avg/Hold: 50/50
Trig: Free Run

1 2 3 4 5 6
M W W W W W
p p p p p p

Center Frequency
6.995000000 GHz

Span
40.0000000 MHz

☐ Swept Span
☐ Zero Span

Full Span

Start Freq
6.975000000 GHz

Stop Freq
7.015000000 GHz

AUTO TUNE

CF Step
4.000000 MHz

☐ Auto
☐ Man

Freq Offset
0 Hz

X Axis Scale
☐ Log
☐ Lin

Signal Track (Span Zoom)

Settings

Local

1 Spectrum
Scale/Div 10 dB

Log

Ref Lvl Offset 15.97 dB
Ref Level 10.00 dBm

ΔMkr3 21.48 MHz
1.37 dB

3Δ1

6.9950 GHz

#Video BW 690 kHz

Span 40.00 MHz
Sweep 1.00 ms (1001 pts)

#Res BW 220 kHz

5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	6.984 40 GHz	-35.22 dBm			
2	N	1	f	6.995 64 GHz	-7.643 dBm			
3	Δ1	1	f (Δ)	21.48 MHz (Δ)	1.366 dB			
4								
5								
6								

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HY- FCC Part 15E-6E WIFI Ver.1.1



11AX20MIMO-Ant1-7115



11AX20MIMO-Ant2-7115



11AX40MIMO-Ant1-5965



11AX40MIMO-Ant2-5965



11AX40MIMO-Ant1-6165



11AX40MIMO-Ant2-6165



11AX40MIMO-Ant1-6405



11AX40MIMO-Ant2-6405



11AX40MIMO-Ant2-6445



11AX40MIMO-Ant1-6445



11AX40MIMO-Ant1-6485



11AX40MIMO-Ant2-6485



11AX40MIMO-Ant1-6525



11AX40MIMO-Ant2-6525



11AX40MIMO-Ant1-6565



11AX40MIMO-Ant2-6565