



FCC CERTIFICATION TEST REPORT

Applicant	:	Shenzhen SDMC Technology Co., Ltd.
Address of Applicant	:	Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen
Manufacturer	:	Shenzhen SDMC Technology Co., Ltd.
Address of Manufacturer	:	Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen
Equipment under Test	:	Dynalink 4K Streaming Box
Model No.	:	DL-GT36
FCC ID	:	2AW68DL-GOOGLE
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart E, ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01
Report No.	:	DDT-RE23041927-2E16
Issue Date	:	2024/02/02
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd.
Address of Laboratory	:	Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

Applicant	:	Shenzhen SDMC Technology Co., Ltd.
Address of Applicant	:	Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen
Equipment under Test	:	Dynalink 4K Streaming Box
Model No.	:	DL-GT36
Manufacturer	:	Shenzhen SDMC Technology Co., Ltd.
Address of Manufacturer	:	Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart E

Test procedure used:

ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service 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 Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above standards.

Report No.:	DDT-RE23041927-2E16		
Date of Receipt:	2023/06/27	Date of Test:	2023/06/27 ~ 2024/02/02

Prepared By:**Tiger Mo/Engineer****Approved By:****Damon Hu/EMC Manager**

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/02/02	

1. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.

Description of Test Item	Standard	Results
6/26db Bandwidth and 99% Bandwidth	FCC 15.407 (e)	PASS
Maximum Conducted Output Power	FCC 15.407 (a)	PASS
Power Spectral Density	FCC 15.407 (a)	PASS
Frequency Stability Measurement	FCC 15.407 (g)	PASS
Emissions in restricted frequency bands	FCC 15.407 (b) FCC 15.209 FCC 15.205	PASS
Band Edge Compliance	FCC 15.407 (b) FCC 15.209 FCC 15.205	PASS
Power Line Conducted Emission	FCC 15.207	PASS
Antenna requirement	FCC 15.203	PASS
Dynamic Frequency Selection	FCC 15.407 (h)	PASS

2. General Test Information

2.1. Description of EUT

EUT Name	: Dynalink 4K Streaming Box
Model Number	: DL-GT36
EUT function description	: Please reference user manual of this device
Power Supply	: DC 5V power from an external adapter
Radio Technology	: Bluetooth V5.0 (BR/EDR/LE), WLAN(2.4 GHz): IEEE 802.11b/g/n WLAN(5 GHz): IEEE 802.11a/n/ac
Operation frequency	: Bluetooth (BR/EDR/LE): 2402 MHz-2480 MHz IEEE 802.11b/g/n: 2412 MHz to 2462 MHz, IEEE 802.11a/n/ac: 5180 MHz to 5240 MHz, 5260 MHz to 5320 MHz, 5500 MHz to 5720 MHz, 5745 MHz to 5825 MHz
Modulation	: Bluetooth BR/EDR: GFSK, $\pi/4$ -DQPSK, 8DPSK Bluetooth LE: GFSK IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g/a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Transmitter rate	: Bluetooth BR/EDR: 1 Mbps, 2 Mbps, 3 Mbps Bluetooth LE: 1 Mbps, 2 Mbps IEEE 802.11b: up to 11 Mbps IEEE 802.11a/g: up to 54 Mbps IEEE 802.11n HT20: up to 144.4 Mbps IEEE 802.11n HT40: up to 300 Mbps IEEE 802.11ac VHT20: up to 173.4 Mbps IEEE 802.11ac VHT40: up to 400 Mbps IEEE 802.11ac VHT80: up to 866.6 Mbps
Antenna Type	: Bluetooth (BR/EDR/LE) Antenna: PCB antenna, maximum PK gain: 2.29 dBi 2.4G WIFI: Antenna 1: built-in metal plug-in antenna, Maximum PK gain: 2.92 dBi Antenna 2: built-in metal plug-in antenna , Maximum PK gain: 2.86 dBi 5G WIFI: Antenna 1: built-in metal plug-in antenna U-NII-1: Maximum PK gain: 3.69 dBi U-NII-2A: Maximum PK gain: 4.07 dBi U-NII-2C: Maximum PK gain: 3.97 dBi Band4: Maximum PK gain: 3.83 dBi Antenna 2: built-in metal plug-in antenna U-NII-1: Maximum PK gain: 2.80 dBi U-NII-2A: Maximum PK gain: 3.29 dBi U-NII-2C: Maximum PK gain: 4.02 dBi U-NII-3: Maximum PK gain: 3.88 dBi

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

Note 2: "☑" means to be chosen or applicable; "☐" means don't to be chosen or not applicable; This note applies to entire report.

Note 3: U-NII-1 Frequency range:5150MHz – 5250MHz;
 U-NII-2A Frequency range:5250MHz – 5350MHz;
 U-NII-2C Frequency range:5470MHz – 5725MHz;
 U-NII-3 Frequency range:5725MHz – 5850MHz;

Antenna information								
	Ant1 gain(dBi)				Ant2 gain(dBi)			
	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
IEEE 802.11a	3.69	4.07	3.97	3.83	2.80	3.29	4.02	3.88
IEEE 802.11n HT20	3.69	4.07	3.97	3.83	2.80	3.29	4.02	3.88
IEEE 802.11n HT40	3.69	4.07	3.97	3.83	2.80	3.29	4.02	3.88
IEEE 802.11ac VHT20	3.69	4.07	3.97	3.83	2.80	3.29	4.02	3.88
IEEE 802.11ac VHT40	3.69	4.07	3.97	3.83	2.80	3.29	4.02	3.88
IEEE 802.11ac VHT80	3.69	4.07	3.97	3.83	2.80	3.29	4.02	3.88

Note: This EUT supports MIMO 2X2, any transmit signals are uncorrelated with each other. So the
 U-NII-1 Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ dBi=6.27dBi.
 U-NII-2A Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ dBi=6.70dBi.
 U-NII-2C Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ dBi=7.01dBi.
 U-NII-3 Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ dBi=6.87dBi.

Channel information					
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-1					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	/	/
44	5220	/	/	/	/
48	5240	/	/	/	/
UNII-2A					
52	5260	54	5270	58	5290
56	5280	62	5310		/
60	5300	/	/	/	/
64	5320	/	/	/	/
UNII-2C					

100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	5690
112	5560	126	5630	/	/
116	5580	134	5670	/	/
120	5600	142	5710	/	/
124	5620	/	/	/	/
128	5640	/	/	/	/
132	5660	/	/	/	/
136	5680	/	/	/	/
140	5700	/	/	/	/
144	5720				
UNII-3					
149	5745	151	5755	155	5775
153	5765	159	5795	/	/
157	5785	/	/	/	/
161	5805	/	/	/	/
165	5825	/	/	/	/

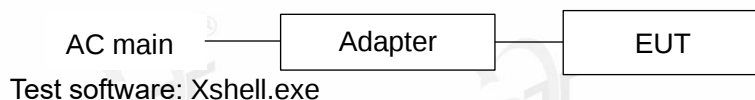
2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Remark
Adapter	SHENZHEN TIANYIN ELECTRONICS CO.,LTD	TPA- 253050100UW01	Input: 100-240V ~ 50/60Hz 0.2A Output: 5V=1.0A	N/A
HDMI cable	N/A	N/A	Length: 1.00m, Shielded HDMI	N/A
Remote control	N/A	N/A	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
Note Book	Lenovo	i5-3230M	N/A	MM- 202201270935
ASUS Router	ASUSTek Computer inc.	GT-AX11000	N/A	FCC ID: MSQ-RTAXJF00

2.4. Block diagram of EUT configuration for test



The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 2 dB (According to the manufacturer's claims)

Tested mode, channel, and data rate information					
Mode	Setting Tx Power		Data rate (Mbps) (see Note)	Channel	Frequency (MHz)
	ANT1	ANT2			
IEEE 802.11a	80	80	6	Low: CH36	5180
	80	80	6	Middle: CH40	5200
	80	80	6	High: CH48	5240
	80	80	6	Low: CH52	5260
	80	80	6	Middle: CH56	5280
	80	80	6	High: CH64	5320
	80	80	6	Low: CH100	5500
	80	80	6	Middle: CH116	5580
	80	80	6	High: CH140	5700
	80	80	6	Straddle:CH144	5720
	83	Default	6	Low: CH149	5745
	Default	Default	6	Middle: CH157	5785
	Default	Default	6	High: CH165	5825
	Default	Default	6	High: CH165	5825
IEEE 802.11n HT20	80	80	MCS 8	Low: CH36	5180
	80	80	MCS 8	Middle: CH40	5200
	80	80	MCS 8	High: CH48	5240
	80	80	MCS 8	Low: CH52	5260
	80	80	MCS 8	Middle: CH56	5280
	80	80	MCS 8	High: CH64	5320
	73	77	MCS 8	Low: CH100	5500
	73	77	MCS 8	Middle: CH116	5580
	73	77	MCS 8	High: CH140	5700
	73	77	MCS 8	Straddle:CH144	5720
	Default	Default	MCS 8	Low: CH149	5745
	Default	Default	MCS 8	Middle: CH157	5785
	Default	Default	MCS 8	High: CH165	5825
	Default	Default	MCS 8	High: CH165	5825
IEEE 802.11n HT40	70	70	MCS 8	Low: CH38	5190
	70	70	MCS 8	Middle: CH46	5230
	70	70	MCS 8	High: CH54	5270
	70	70	MCS 8	Low: CH62	5310
	70	70	MCS 8	Middle: CH102	5510
	70	70	MCS 8	High: CH110	5550
	70	70	MCS 8	Low: CH134	5670

	Default	Default	MCS 8	Middle: CH151	5755
	Default	Default	MCS 8	High: CH159	5795
IEEE 802.11ac VHT20	80	80	MCS 0	Low: CH36	5180
	80	80	MCS 0	Middle: CH40	5200
	80	80	MCS 0	High: CH48	5240
	80	80	MCS 0	Low: CH52	5260
	80	80	MCS 0	Middle: CH56	5280
	80	80	MCS 0	High: CH64	5320
	73	77	MCS 0	Low: CH100	5500
	73	77	MCS 0	Middle: CH116	5580
	73	77	MCS 0	High: CH140	5700
	73	77	MCS 0	Straddle:CH144	5720
	Default	Default	MCS 0	Low: CH149	5745
	Default	Default	MCS 0	Middle: CH157	5785
	Default	Default	MCS 0	High: CH165	5825
IEEE 802.11 ac VHT40	70	70	MCS 0	Low: CH38	5190
	70	70	MCS 0	Middle: CH46	5230
	70	70	MCS 0	High: CH54	5270
	70	70	MCS 0	Low: CH62	5310
	70	70	MCS 0	Middle: CH102	5510
	70	70	MCS 0	High: CH110	5550
	70	70	MCS 0	Low: CH134	5670
	70	70	MCS 0	Straddle: CH142	5710
	Default	Default	MCS 0	Middle: CH151	5755
	Default	Default	MCS 0	High: CH159	5795
IEEE 802.11ac VHT80	70	70	MCS 0	CH42	5210
	70	70	MCS 0	CH58	5290
	70	70	MCS 0	CH106	5530
	70	70	MCS 0	CH122	5610
	70	70	MCS 0	CH138	5690
	Default	Default	MCS 0	CH155	5775
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.					

2.5. Deviations of test standard

No Deviation.

2.6. Test environment conditions

	Normal Conditions	Extreme Conditions
Temperature range	NT: +15℃ to +35 ℃	+5 ℃ to +45 ℃
Humidity range	20% to 75%	N/A
Pressure range	86-106kPa	N/A
Power supply	NV: AC 230V	N/A
Note 1: The Extreme temperature range and extreme voltages are declared by the manufacturer.		
Note 2: NTNV: Normal Temperature Normal Voltage, LTNV: Low Temperature Normal Voltage, HTNV: High Temperature Normal Voltage.		

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No.17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China 523808

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2.8. Measurement uncertainty

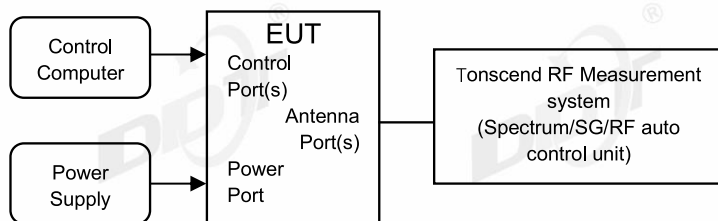
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$);
	1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
	1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☑RF Connected Test (RF Measurement System 3#)				
SIGNAL ANALYZER	R&S	FSV40	101407	2024/07/11
Wideband Radio Communication Tester	R&S	CMW500	117491	2024/04/26
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	2024/07/11
MXG Vector Signal Generator	Agilent	N5182A	MY48180912	2024/04/22
RF Control Unit	Tonscend	JS0806-2	20C8060230	2024/04/26
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2024/05/14
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

4. 26dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
26 dB Bandwidth	---	5150 - 5250
	---	5250 - 5350
	---	For FCC: 5470 - 5725 For IC: 5470 - 5600 5650 - 5725

4.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	approximately 1% of the emission bandwidth.
VBW	> RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 26 dB relative to the maximum level measured in the fundamental emission.

4.4. Test result

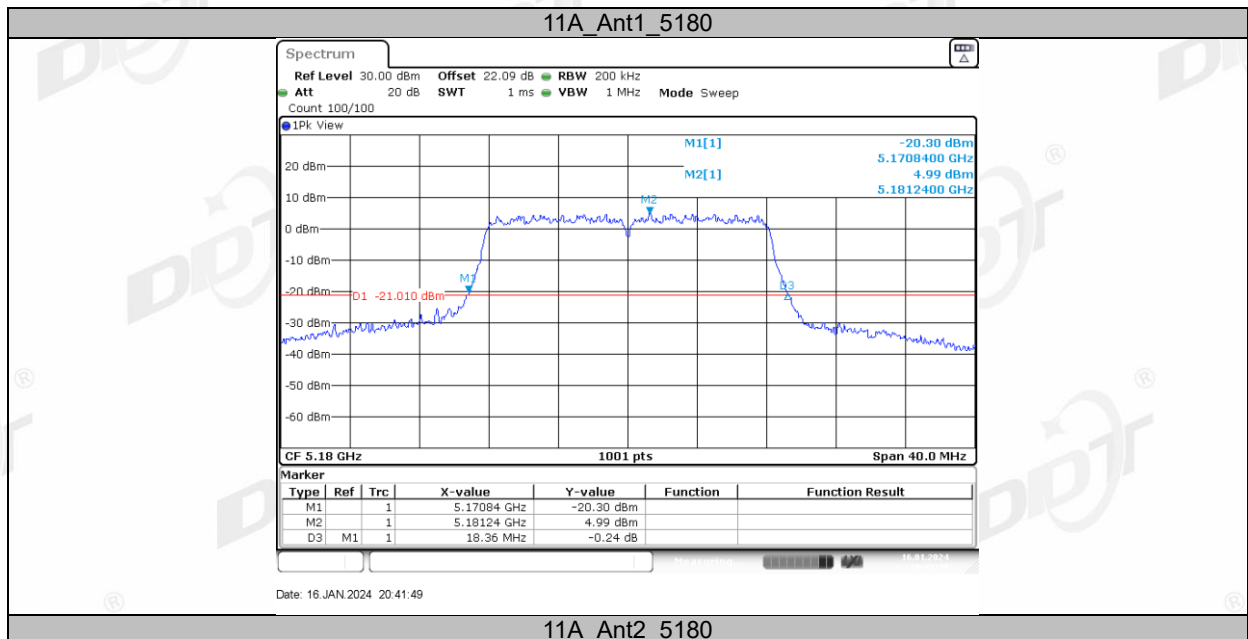
Test Engineer:	Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	23.3~25.4℃, 50.0~56.2%RH	Test Date:	2024.01.16-2024.01.17
Test Power Supply:	DC 5V	EUT:	Dynalink 4K Streaming Box
Sample Number:	S23041927-02	Model No.:	DL-GT36

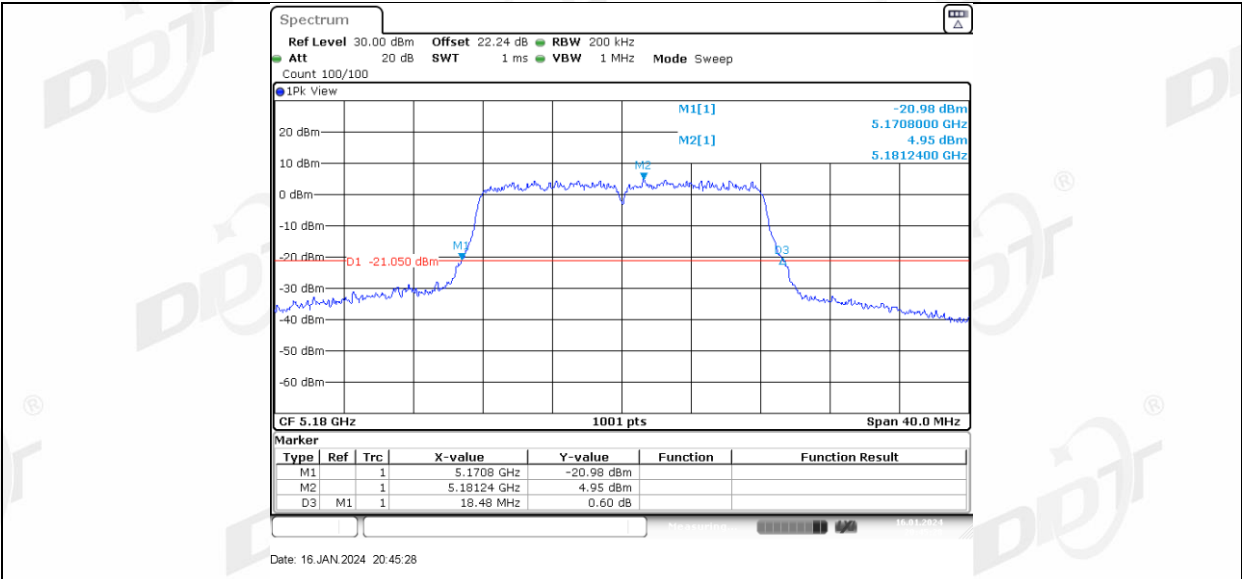
Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.36	5170.84	5189.20	---	---
	Ant2	5180	18.48	5170.80	5189.28	---	---
	Ant1	5200	18.48	5190.72	5209.20	---	---
	Ant2	5200	18.40	5190.76	5209.16	---	---
	Ant1	5240	18.60	5230.64	5249.24	---	---
	Ant2	5240	18.40	5230.84	5249.24	---	---
	Ant1	5260	18.44	5250.72	5269.16	---	---
	Ant2	5260	18.40	5250.80	5269.20	---	---
	Ant1	5280	18.36	5270.84	5289.20	---	---
	Ant2	5280	18.44	5270.84	5289.28	---	---
	Ant1	5320	18.44	5310.76	5329.20	---	---
	Ant2	5320	18.48	5310.80	5329.28	---	---
	Ant1	5500	24.48	5488.92	5513.40	---	---
	Ant2	5500	26.60	5487.80	5514.40	---	---
	Ant1	5580	29.08	5566.52	5595.60	---	---
	Ant2	5580	31.88	5565.24	5597.12	---	---
	Ant1	5700	23.12	5690.28	5713.40	---	---
	Ant2	5700	22.64	5689.00	5711.64	---	---
	Ant1	5720	19.56	5710.28	5729.84	---	---
	Ant2	5720	23.52	5707.72	5731.24	---	---
	Ant1	5720 UNII-2C	14.72	5710.28	5725	---	---
	Ant2	5720 UNII-2C	17.28	5707.72	5725	---	---
	Ant1	5720 UNII-3	4.84	5725	5729.84	---	---
	Ant2	5720 UNII-3	6.24	5725	5731.24	---	---
	Ant1	5745	34.48	5728.16	5762.64	---	---
	Ant2	5745	29.20	5731.48	5760.68	---	---
	Ant1	5785	29.20	5770.84	5800.04	---	---
	Ant2	5785	30.80	5770.36	5801.16	---	---
	Ant1	5825	26.80	5812.04	5838.84	---	---
	Ant2	5825	33.28	5809.92	5843.20	---	---
11N20MIMO	Ant1	5180	19.16	5170.36	5189.52	---	---
	Ant2	5180	19.16	5170.40	5189.56	---	---
	Ant1	5200	19.16	5190.40	5209.56	---	---
	Ant2	5200	19.20	5190.40	5209.60	---	---
	Ant1	5240	19.16	5230.40	5249.56	---	---
	Ant2	5240	19.36	5230.32	5249.68	---	---
	Ant1	5260	19.20	5250.36	5269.56	---	---
	Ant2	5260	19.24	5250.44	5269.68	---	---
	Ant1	5280	19.12	5270.44	5289.56	---	---
	Ant2	5280	19.20	5270.44	5289.64	---	---
	Ant1	5320	19.20	5310.40	5329.60	---	---
	Ant2	5320	19.24	5310.40	5329.64	---	---
	Ant1	5500	19.56	5490.44	5510.00	---	---
	Ant2	5500	20.44	5490.24	5510.68	---	---
	Ant1	5580	26.28	5567.60	5593.88	---	---
	Ant2	5580	28.56	5566.84	5595.40	---	---
	Ant1	5700	28.32	5686.16	5714.48	---	---
	Ant2	5700	25.72	5687.76	5713.48	---	---
	Ant1	5720	19.28	5710.32	5729.60	---	---
	Ant2	5720	19.20	5710.40	5729.60	---	---
	Ant1	5720 UNII-2C	14.68	5710.32	5725	---	---
	Ant2	5720 UNII-2C	14.6	5710.40	5725	---	---
	Ant1	5720 UNII-3	4.6	5725	5729.60	---	---
	Ant2	5720 UNII-3	4.6	5725	5729.60	---	---
	Ant1	5745	24.92	5733.08	5758.00	---	---
	Ant2	5745	20.76	5735.44	5756.20	---	---
	Ant1	5785	30.32	5768.72	5799.04	---	---
	Ant2	5785	26.28	5772.12	5798.40	---	---
	Ant1	5825	25.12	5813.08	5838.20	---	---
	Ant2	5825	27.00	5813.36	5840.36	---	---
11N40MIMO	Ant1	5190	41.12	5169.52	5210.64	---	---
	Ant2	5190	42.08	5169.04	5211.12	---	---

	Ant1	5230	40.56	5209.68	5250.24	---	---
	Ant2	5230	41.76	5209.20	5250.96	---	---
	Ant1	5270	40.24	5249.84	5290.08	---	---
	Ant2	5270	41.76	5249.44	5291.20	---	---
	Ant1	5310	40.48	5289.60	5330.08	---	---
	Ant2	5310	41.44	5289.44	5330.88	---	---
	Ant1	5510	40.72	5489.84	5530.56	---	---
	Ant2	5510	41.68	5489.36	5531.04	---	---
	Ant1	5550	41.12	5529.68	5570.80	---	---
	Ant2	5550	41.60	5529.44	5571.04	---	---
	Ant1	5670	40.48	5649.68	5690.16	---	---
	Ant2	5670	41.44	5649.36	5690.80	---	---
	Ant1	5710	40.56	5689.68	5730.24	---	---
	Ant2	5710	40.96	5689.28	5730.24	---	---
	Ant1	5710 UNII-2C	35.32	5689.68	5725	---	---
	Ant2	5710 UNII-2C	35.72	5689.28	5725	---	---
	Ant1	5710 UNII-3	5.24	5725	5730.24	---	---
	Ant2	5710 UNII-3	5.24	5725	5730.24	---	---
	Ant1	5755	64.08	5726.12	5790.20	---	---
	Ant2	5755	60.16	5730.12	5790.28	---	---
	Ant1	5795	46.56	5773.88	5820.44	---	---
	Ant2	5795	56.32	5773.72	5830.04	---	---
11AC20MIMO	Ant1	5180	19.20	5170.40	5189.60	---	---
	Ant2	5180	19.32	5170.36	5189.68	---	---
	Ant1	5200	19.16	5190.40	5209.56	---	---
	Ant2	5200	19.36	5190.28	5209.64	---	---
	Ant1	5240	19.16	5230.44	5249.60	---	---
	Ant2	5240	19.28	5230.36	5249.64	---	---
	Ant1	5260	19.12	5250.40	5269.52	---	---
	Ant2	5260	19.32	5250.36	5269.68	---	---
	Ant1	5280	19.20	5270.44	5289.64	---	---
	Ant2	5280	19.44	5270.28	5289.72	---	---
	Ant1	5320	19.28	5310.36	5329.64	---	---
	Ant2	5320	19.32	5310.28	5329.60	---	---
	Ant1	5500	19.28	5490.36	5509.64	---	---
	Ant2	5500	19.32	5490.44	5509.76	---	---
	Ant1	5580	19.48	5570.36	5589.84	---	---
	Ant2	5580	23.88	5569.48	5593.36	---	---
	Ant1	5700	19.12	5690.40	5709.52	---	---
	Ant2	5700	19.40	5690.28	5709.68	---	---
	Ant1	5720	19.20	5710.40	5729.60	---	---
	Ant2	5720	19.32	5710.36	5729.68	---	---
	Ant1	5720 UNII-2C	14.6	5710.40	5725	---	---
	Ant2	5720 UNII-2C	14.64	5710.36	5725	---	---
	Ant1	5720 UNII-3	4.6	5725	5729.60	---	---
	Ant2	5720 UNII-3	4.68	5725	5729.68	---	---
	Ant1	5745	23.48	5733.72	5757.20	---	---
	Ant2	5745	24.68	5732.88	5757.56	---	---
	Ant1	5785	25.76	5773.72	5799.48	---	---
	Ant2	5785	25.24	5772.36	5797.60	---	---
	Ant1	5825	23.60	5814.28	5837.88	---	---
	Ant2	5825	24.60	5813.88	5838.48	---	---
11AC40MIMO	Ant1	5190	40.24	5169.84	5210.08	---	---
	Ant2	5190	41.44	5169.44	5210.88	---	---
	Ant1	5230	40.64	5209.52	5250.16	---	---
	Ant2	5230	42.08	5209.12	5251.20	---	---
	Ant1	5270	40.72	5249.68	5290.40	---	---
	Ant2	5270	41.84	5249.20	5291.04	---	---
	Ant1	5310	40.72	5289.60	5330.32	---	---
	Ant2	5310	41.92	5289.12	5331.04	---	---
	Ant1	5510	40.88	5489.68	5530.56	---	---
	Ant2	5510	52.00	5486.80	5538.80	---	---
	Ant1	5550	40.40	5530.00	5570.40	---	---
	Ant2	5550	49.92	5528.88	5578.80	---	---

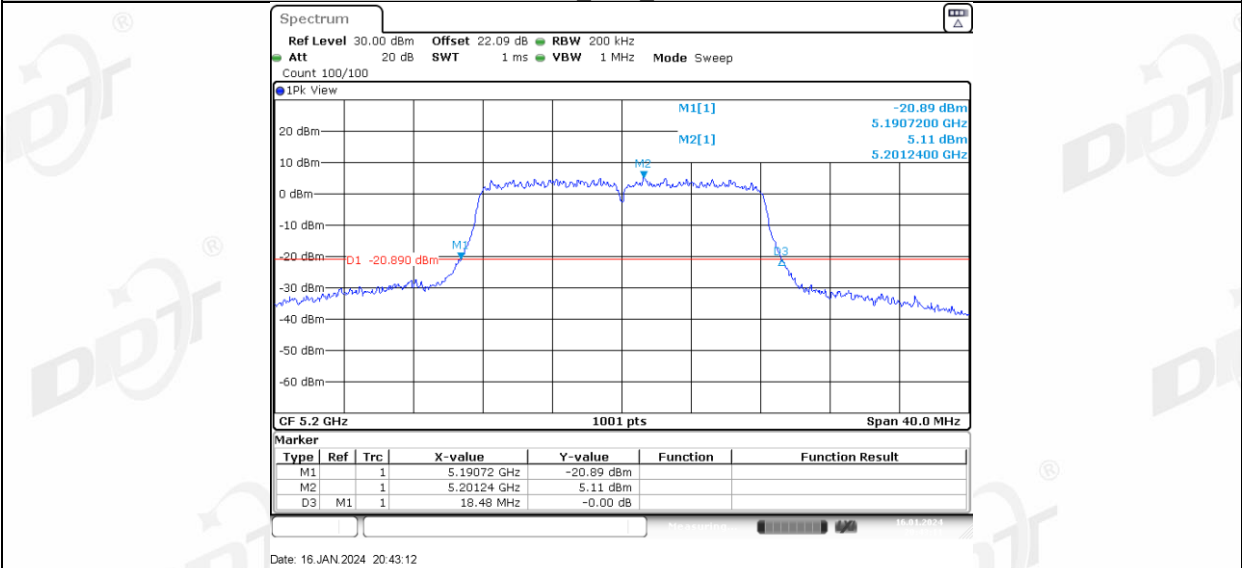
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	Ant2	5670	42.08	5649.36	5691.44	---	---
	Ant1	5710	40.24	5690.00	5730.24	---	---
	Ant2	5710	42.08	5688.72	5730.80	---	---
	Ant1	5710 UNII-2C	35	5690.00	5725	---	---
	Ant2	5710 UNII-2C	36.28	5688.72	5725	---	---
	Ant1	5710 UNII-3	5.24	5725	5730.24	---	---
	Ant2	5710 UNII-3	5.8	5725	5730.80	---	---
	Ant1	5755	60.80	5727.00	5787.80	---	---
	Ant2	5755	60.32	5727.56	5787.88	---	---
	Ant1	5795	49.28	5771.32	5820.60	---	---
	Ant2	5795	66.16	5761.64	5827.80	---	---
11AC80MIMO	Ant1	5210	81.12	5169.68	5250.80	---	---
	Ant2	5210	81.60	5169.68	5251.28	---	---
	Ant1	5290	81.44	5249.84	5331.28	---	---
	Ant2	5290	81.44	5249.52	5330.96	---	---
	Ant1	5530	87.20	5489.84	5577.04	---	---
	Ant2	5530	90.56	5489.20	5579.76	---	---
	Ant1	5610	80.64	5569.84	5650.48	---	---
	Ant2	5610	81.28	5569.36	5650.64	---	---
	Ant1	5690	80.80	5649.52	5730.32	---	---
	Ant2	5690	81.44	5649.20	5730.64	---	---
	Ant1	5690 UNII-2C	75.48	5649.52	5725	---	---
	Ant2	5690 UNII-2C	75.8	5649.20	5725	---	---
	Ant1	5690 UNII-3	5.32	5725	5730.32	---	---
	Ant2	5690 UNII-3	5.64	5725	5730.64	---	---
	Ant1	5775	121.76	5717.08	5838.84	---	---
	Ant2	5775	131.36	5709.56	5840.92	---	---

4.5. Test graphs

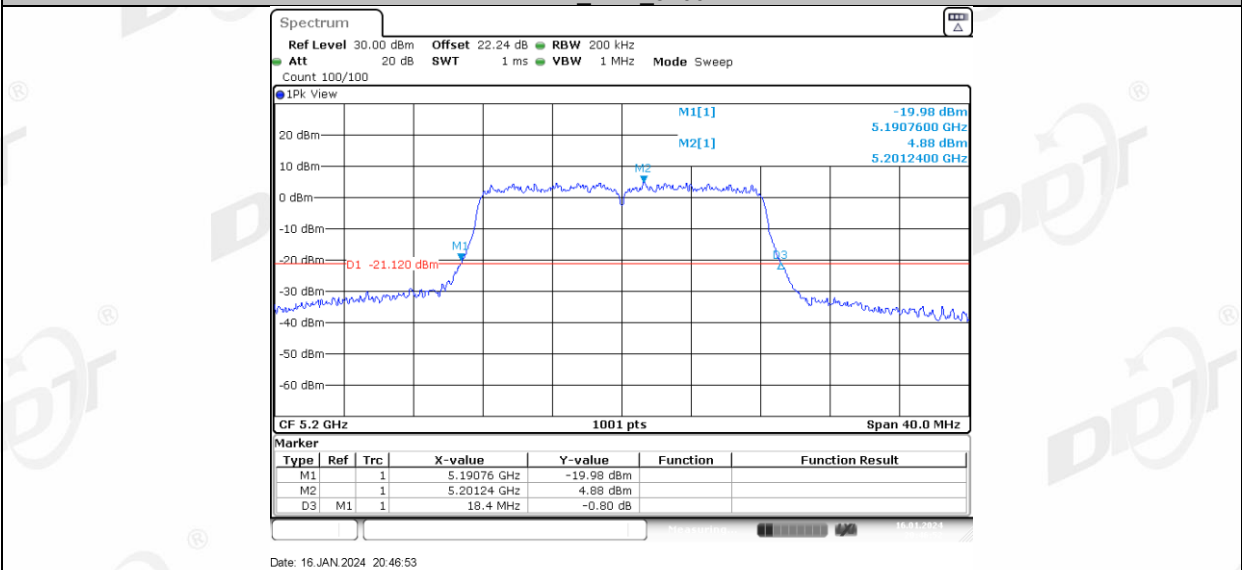




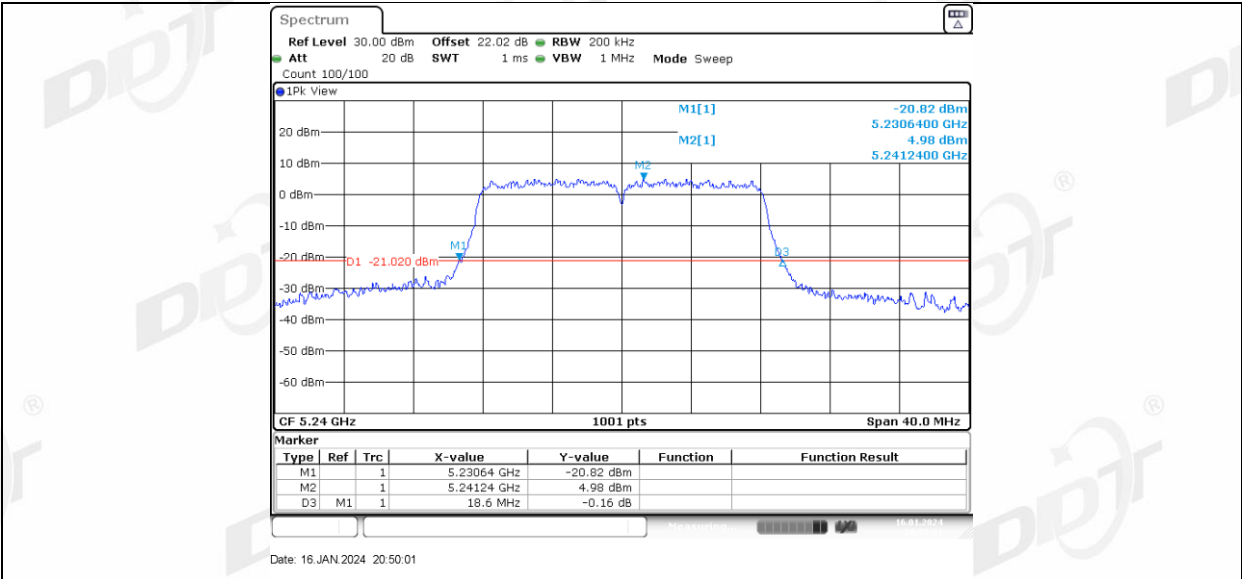
11A Ant1 5200



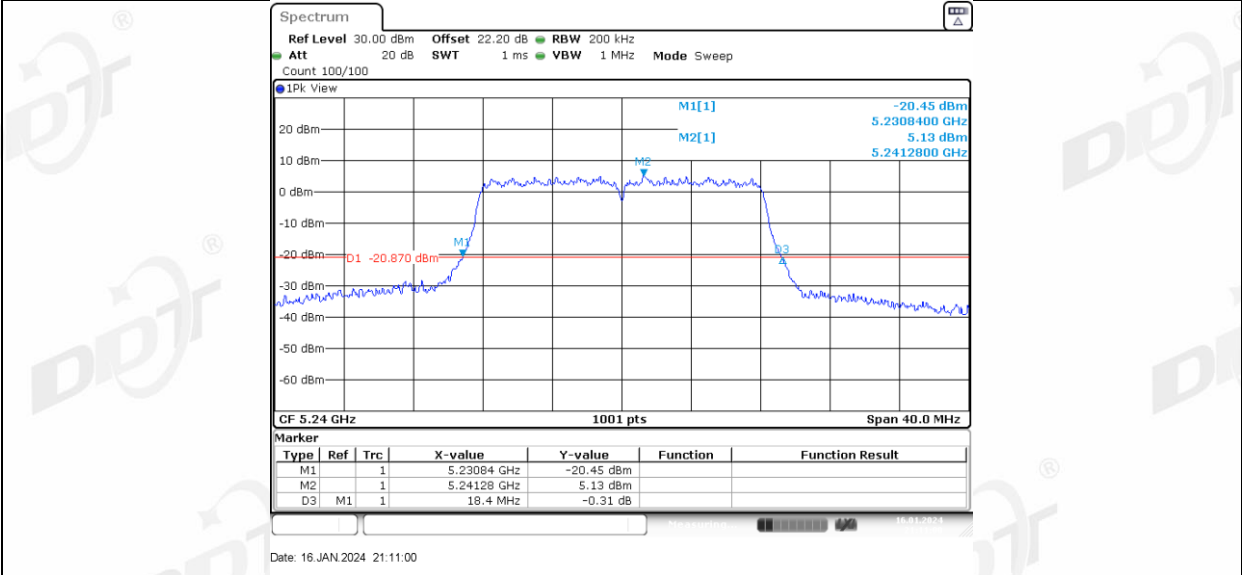
11A Ant2 5200



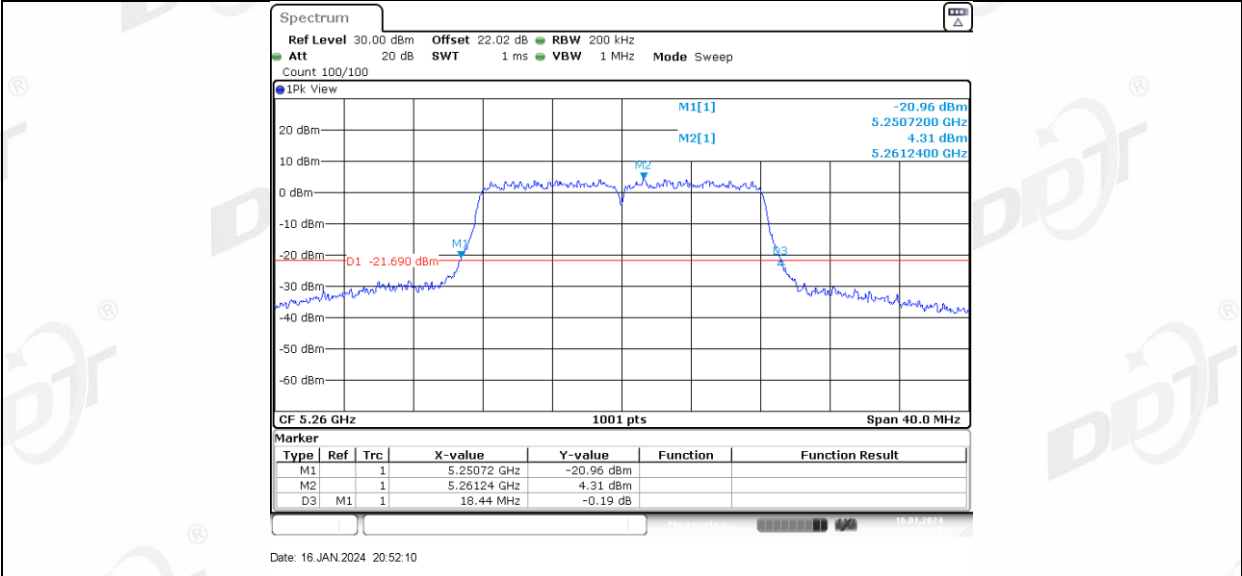
11A Ant1 5240



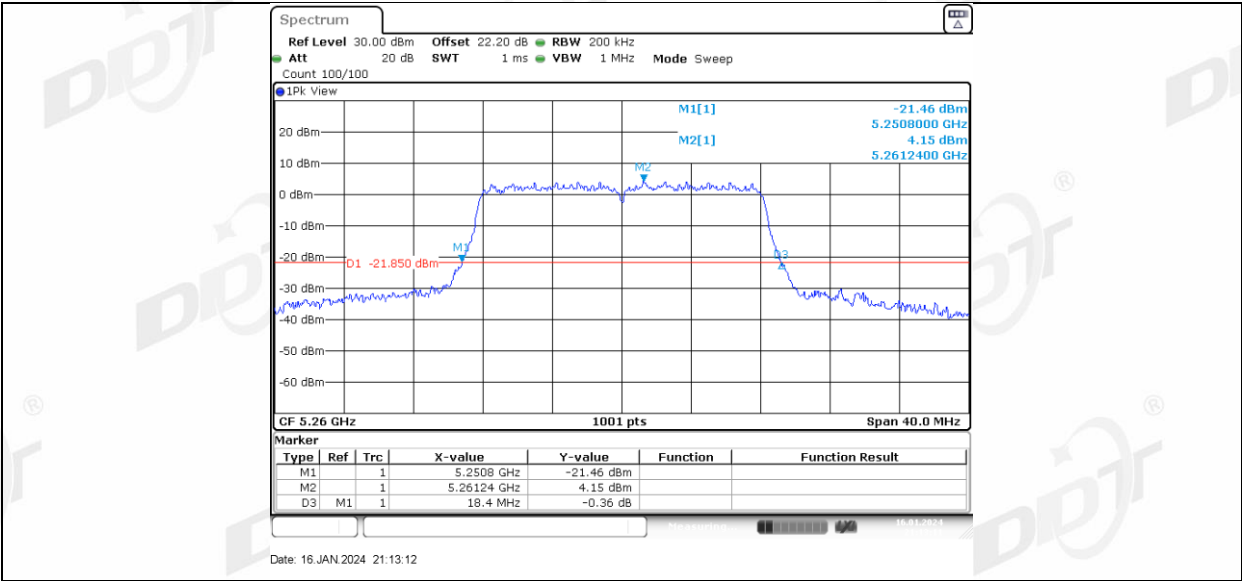
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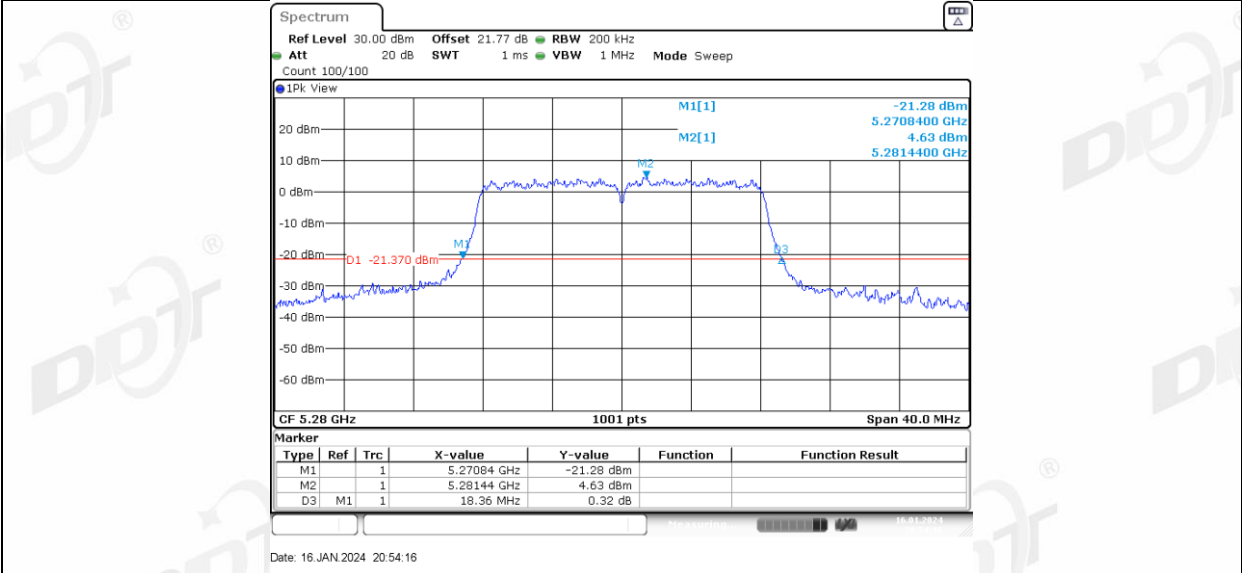
11A Ant1 5260



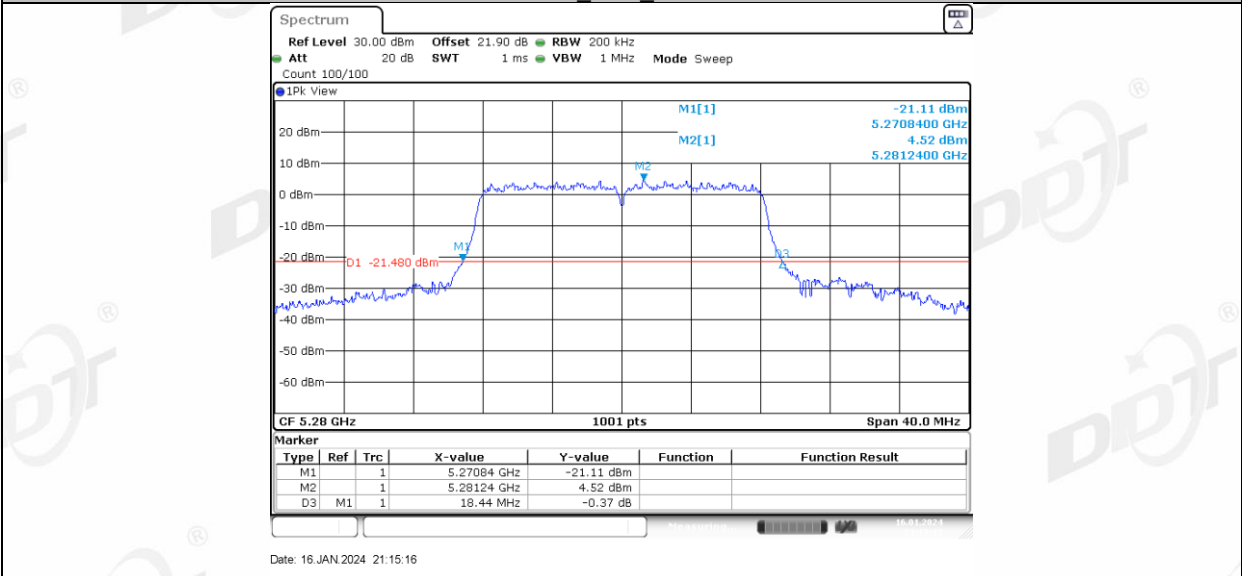
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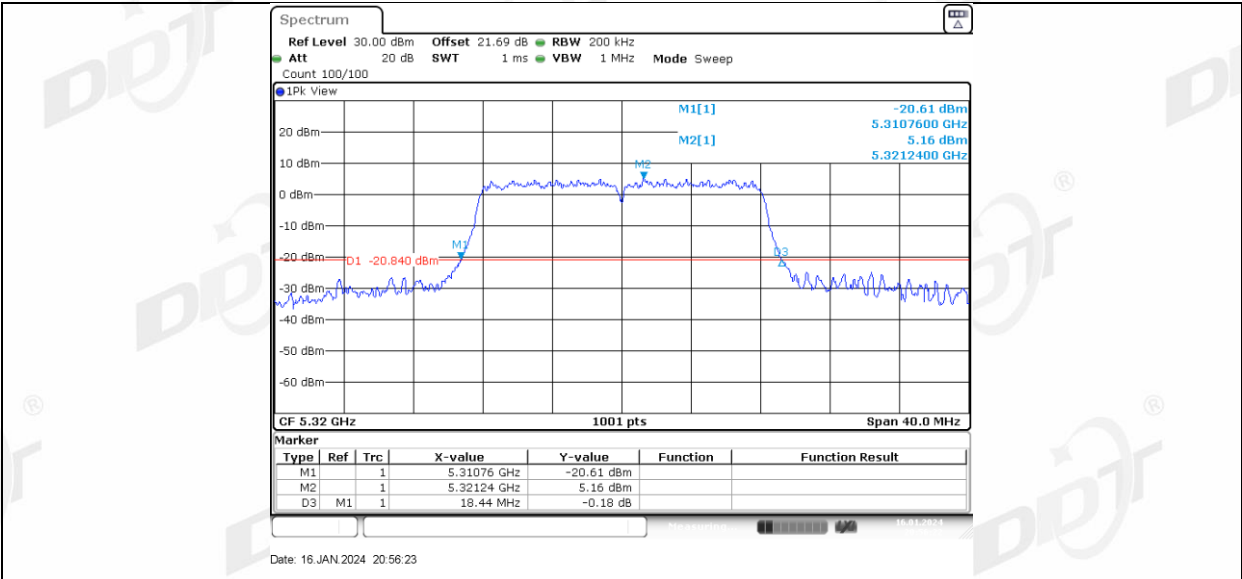
11A Ant1 5280



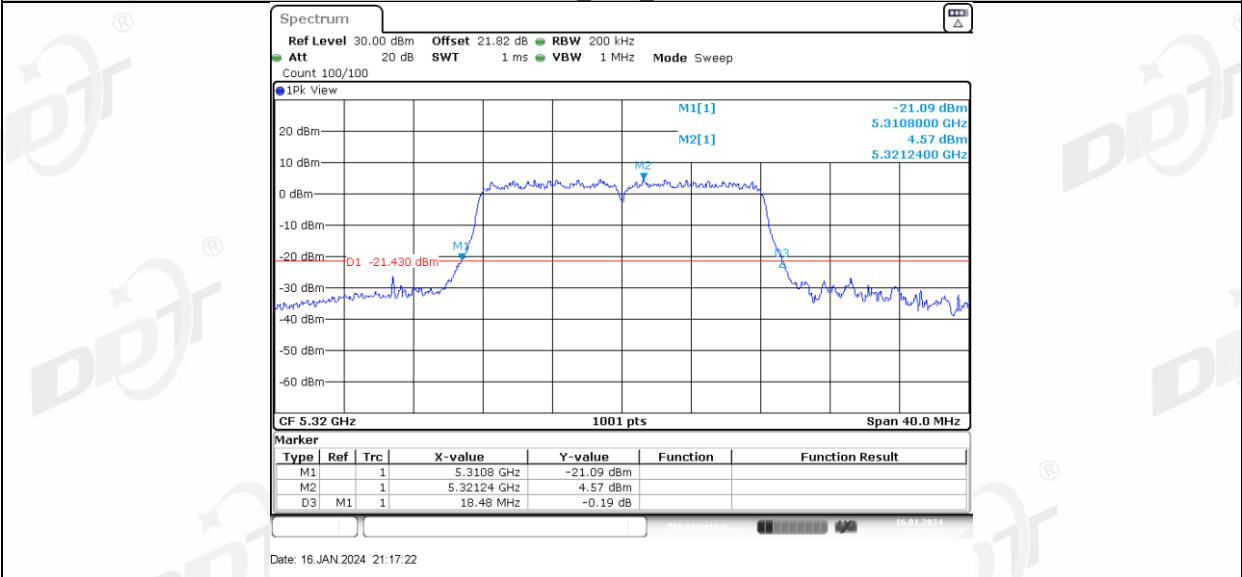
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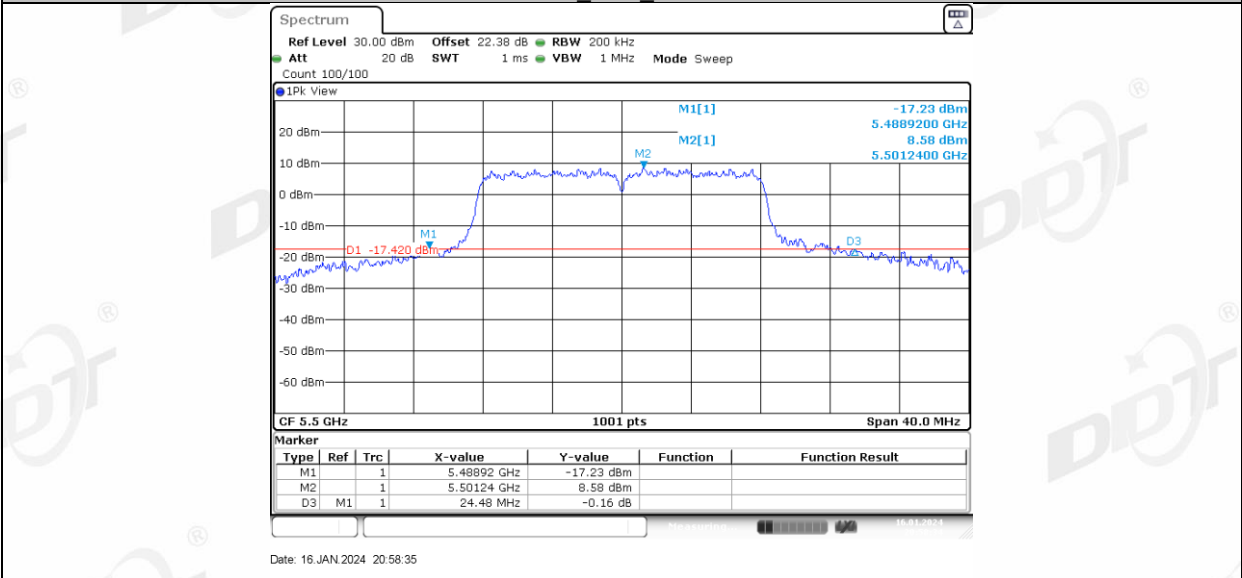
11A Ant1 5320



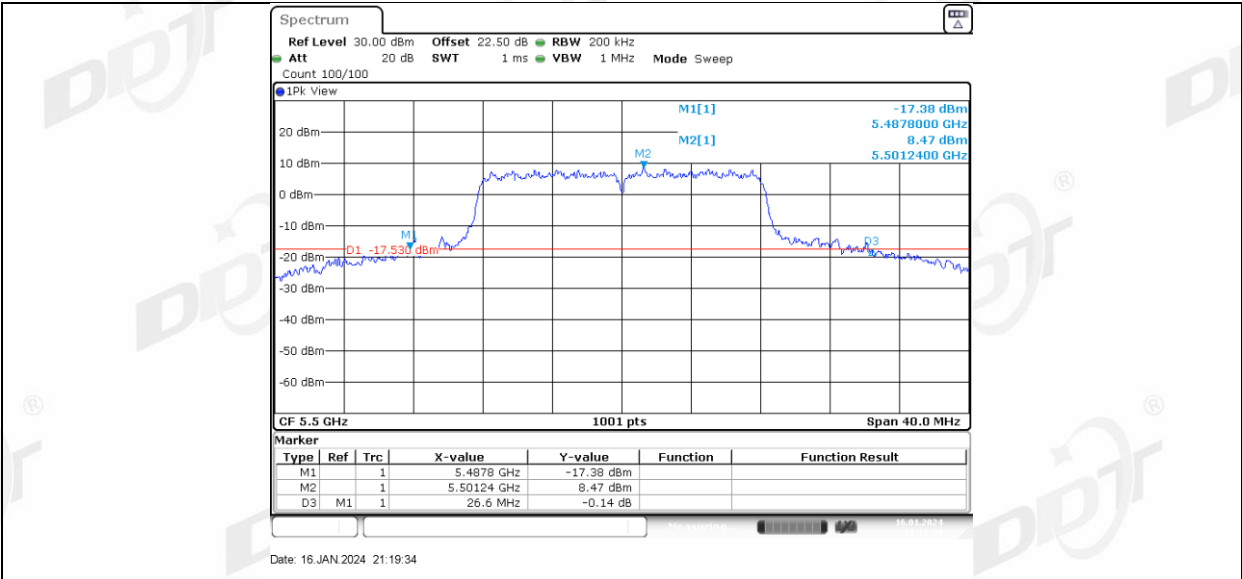
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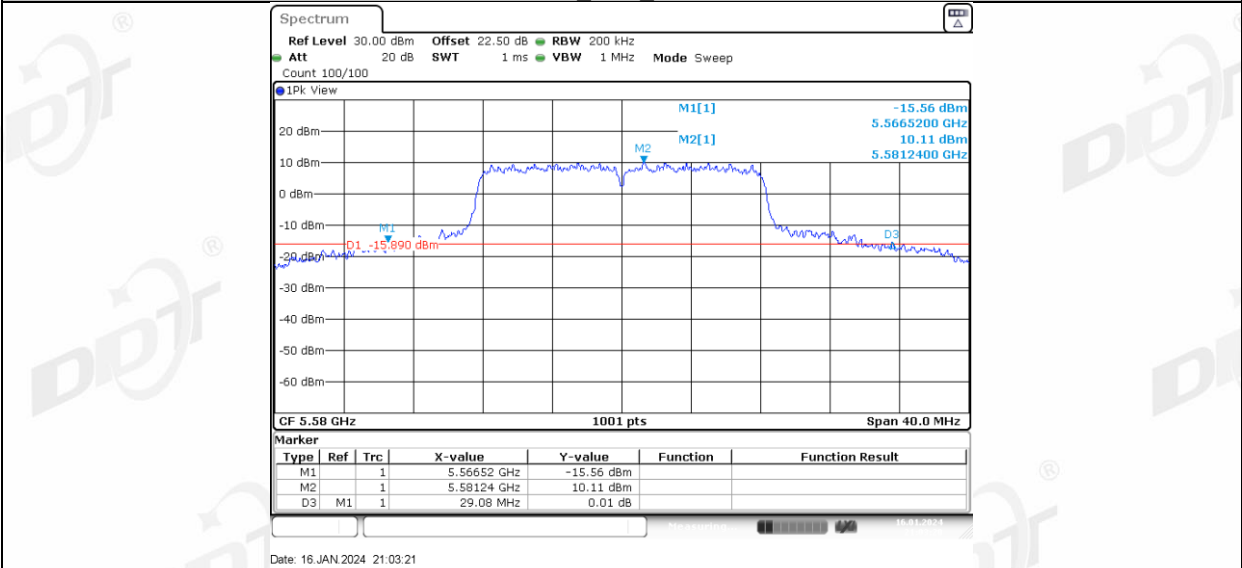
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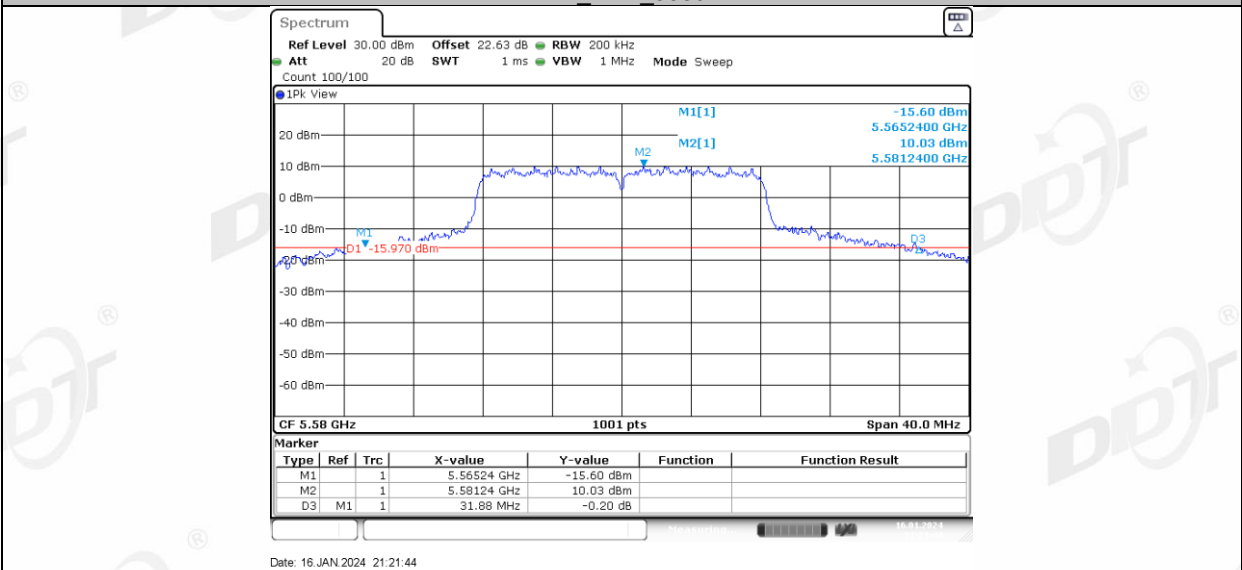
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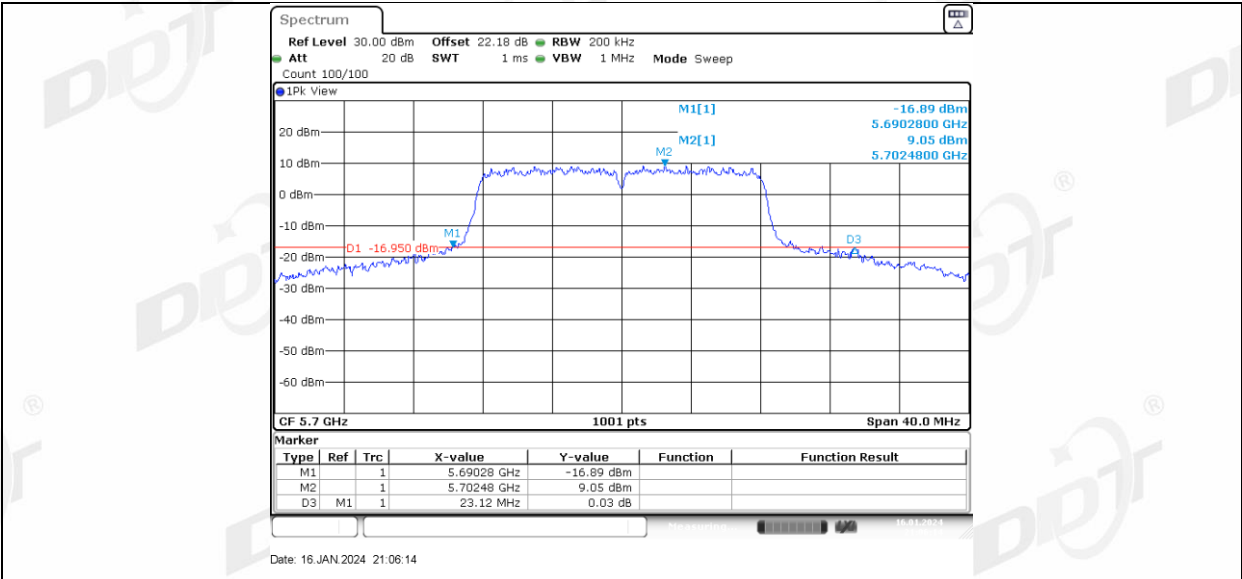
11A Ant1 5580



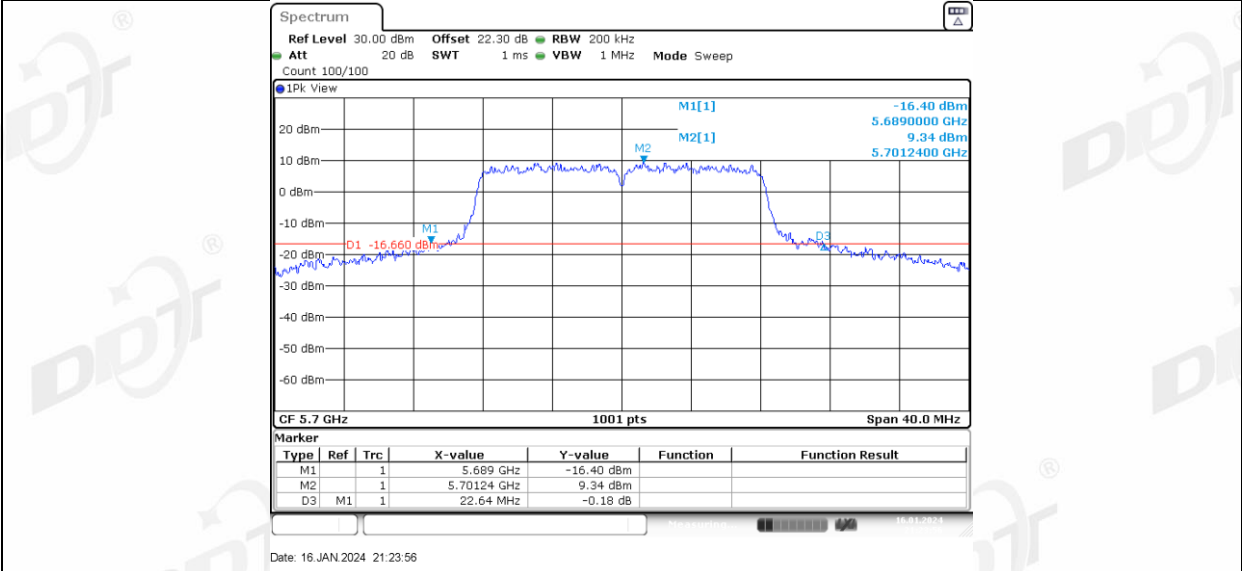
11A Ant2 5580



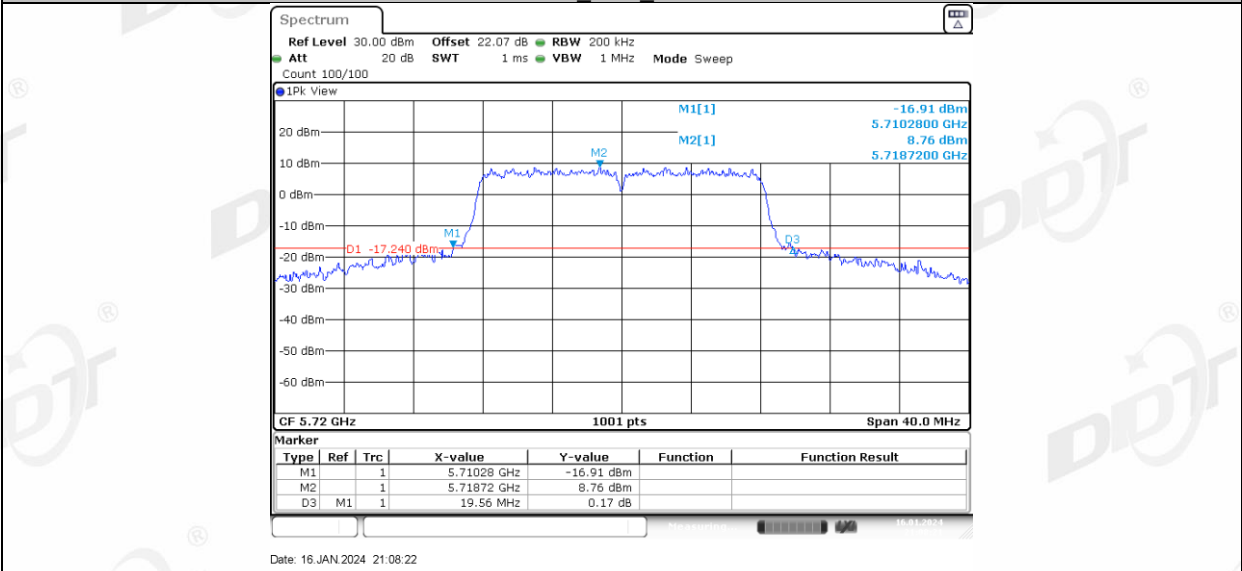
11A Ant1 5700



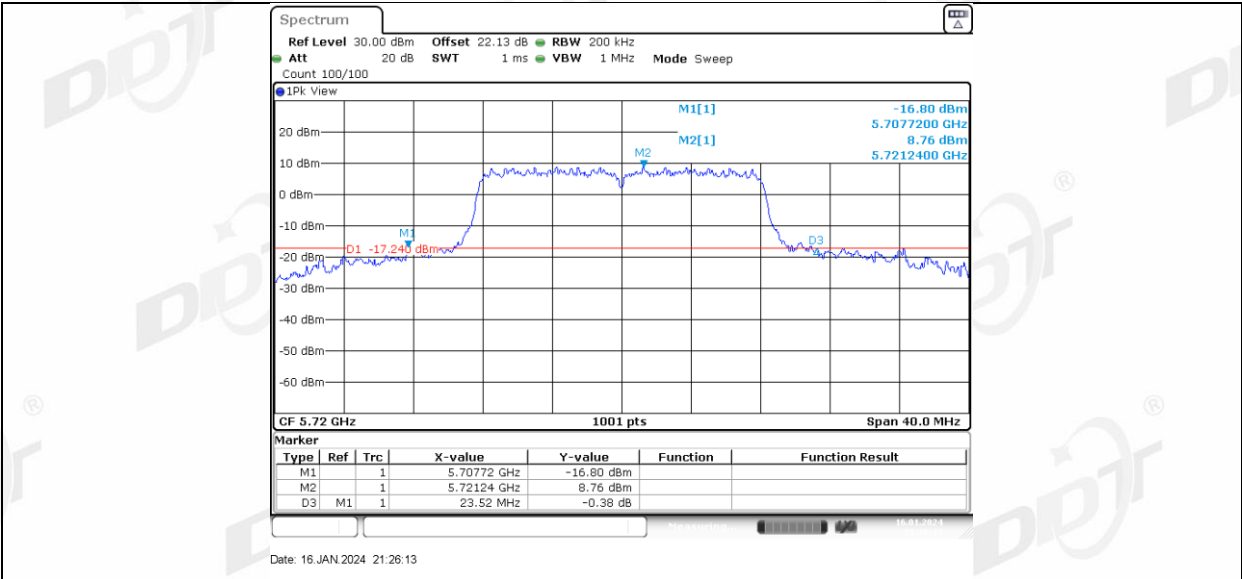
11A Ant2 5700



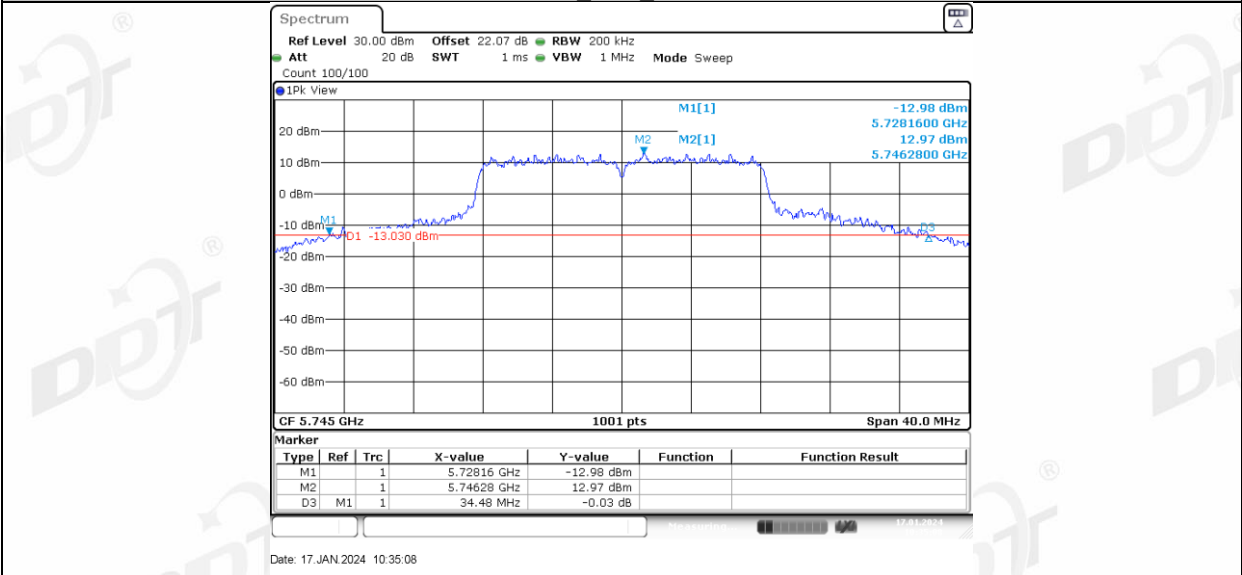
11A Ant1 5720



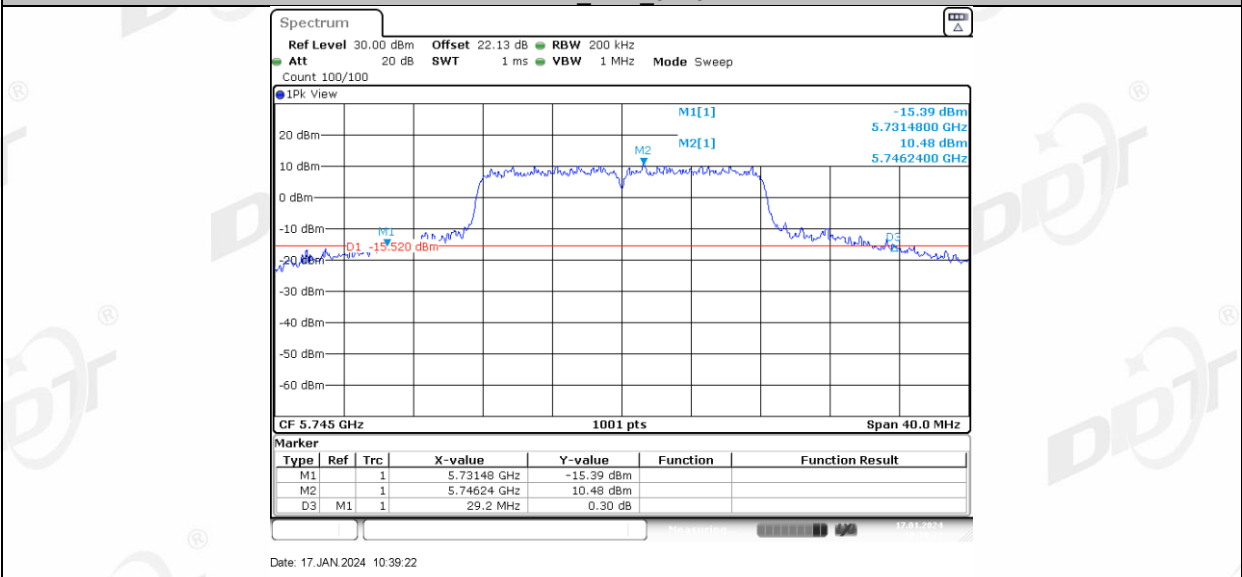
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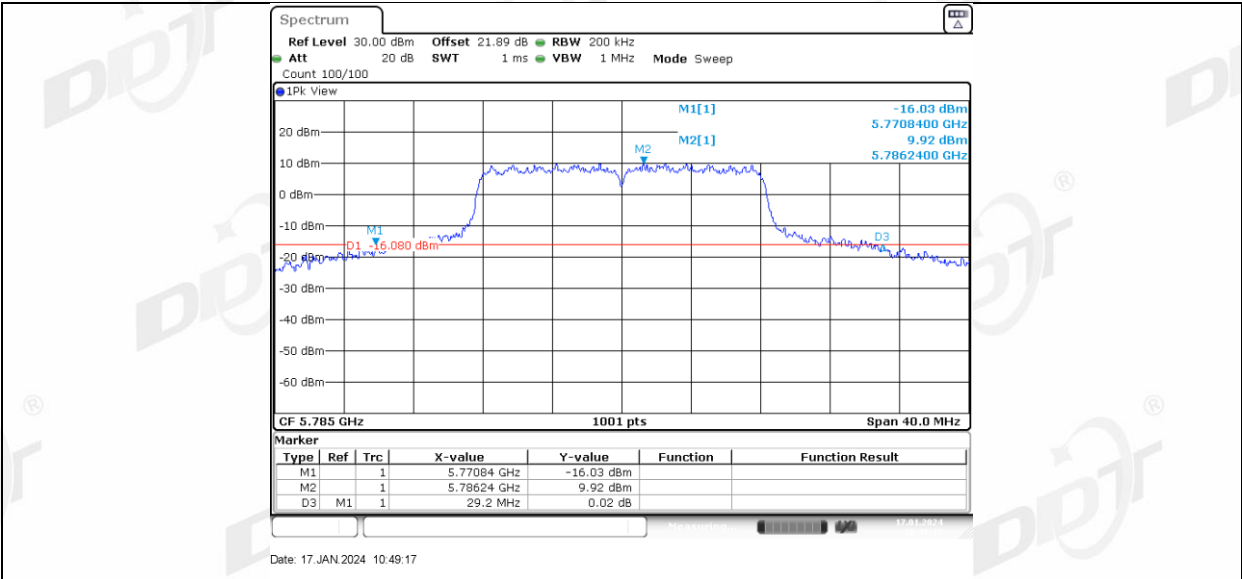
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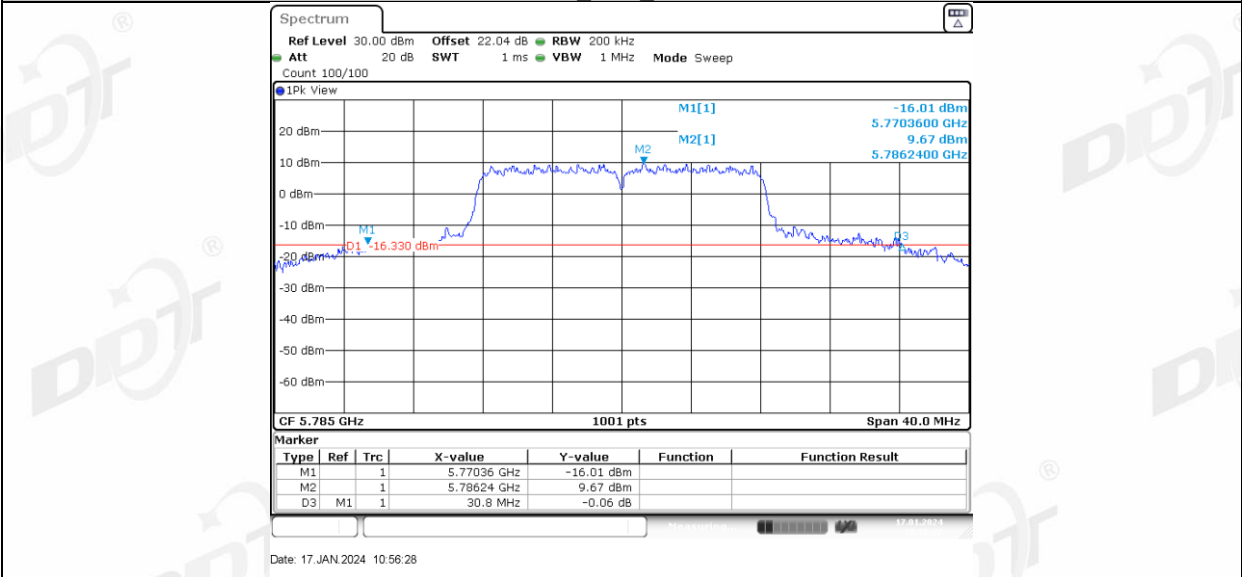
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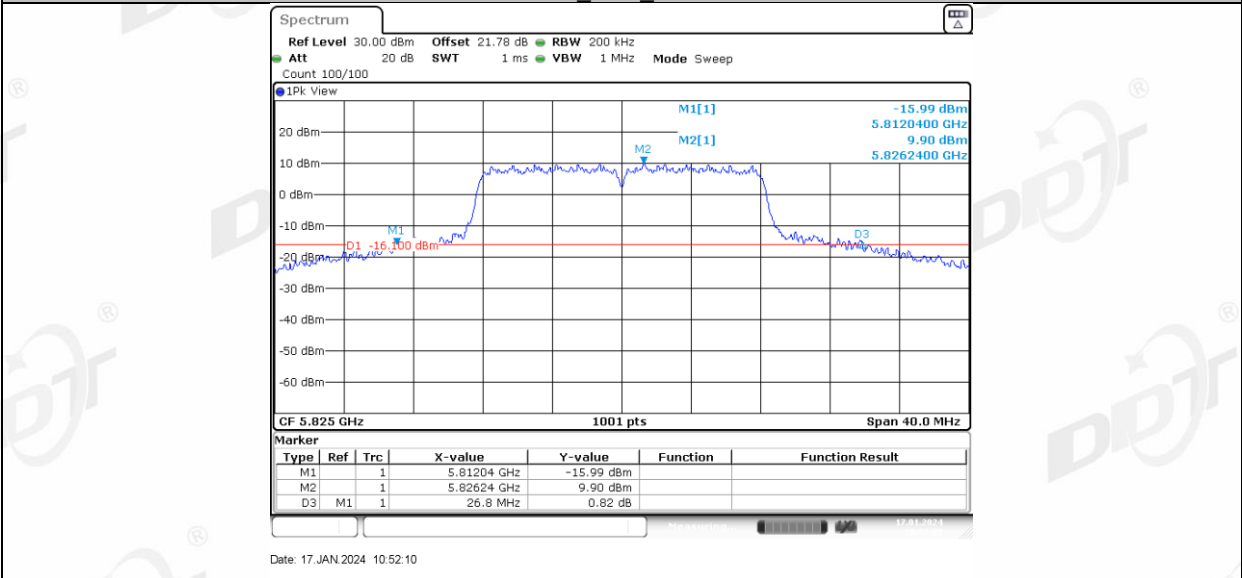
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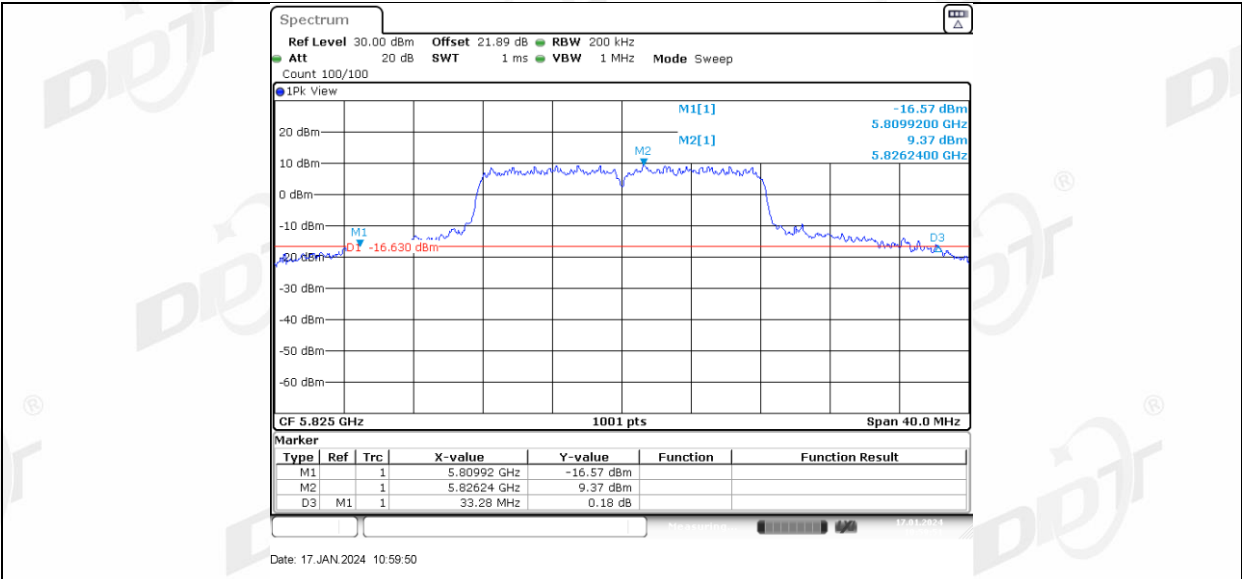
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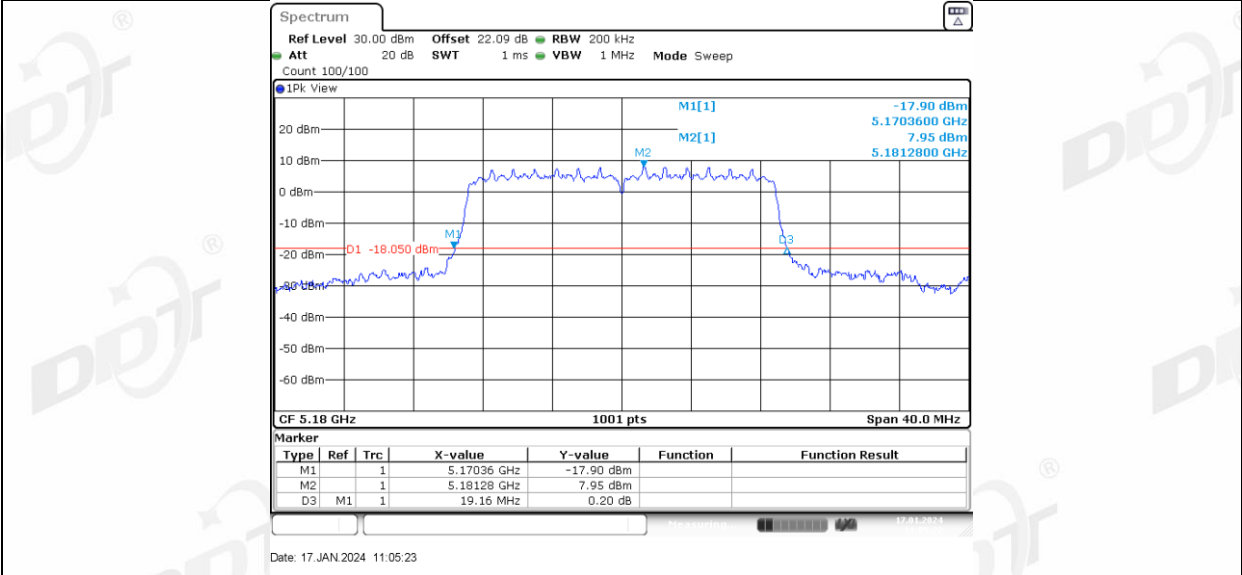
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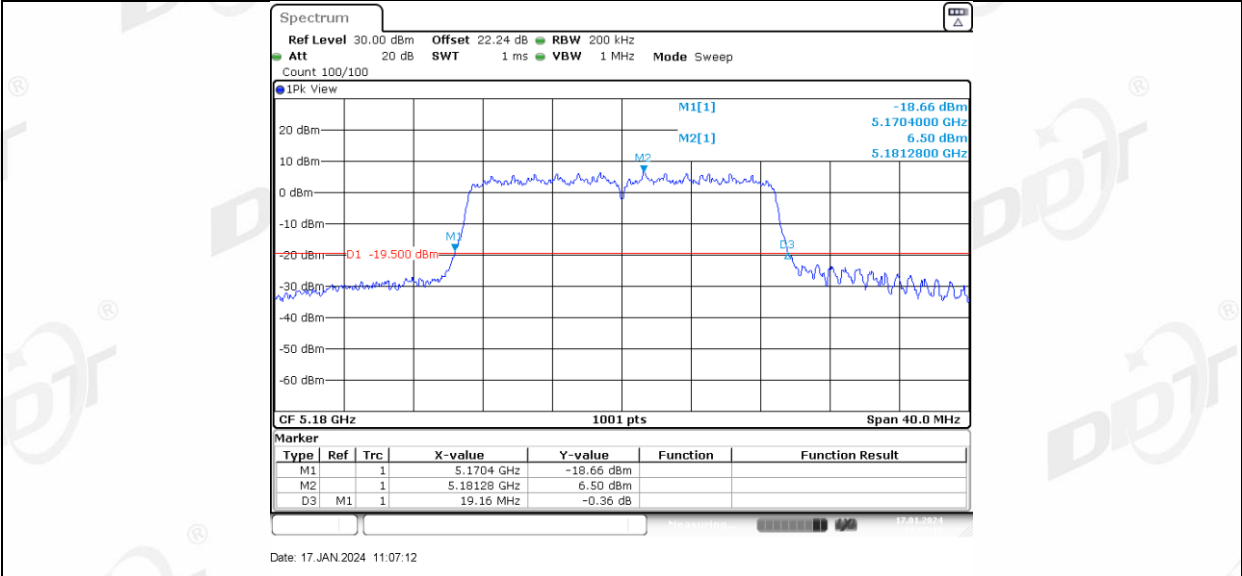
11A Ant2 5825



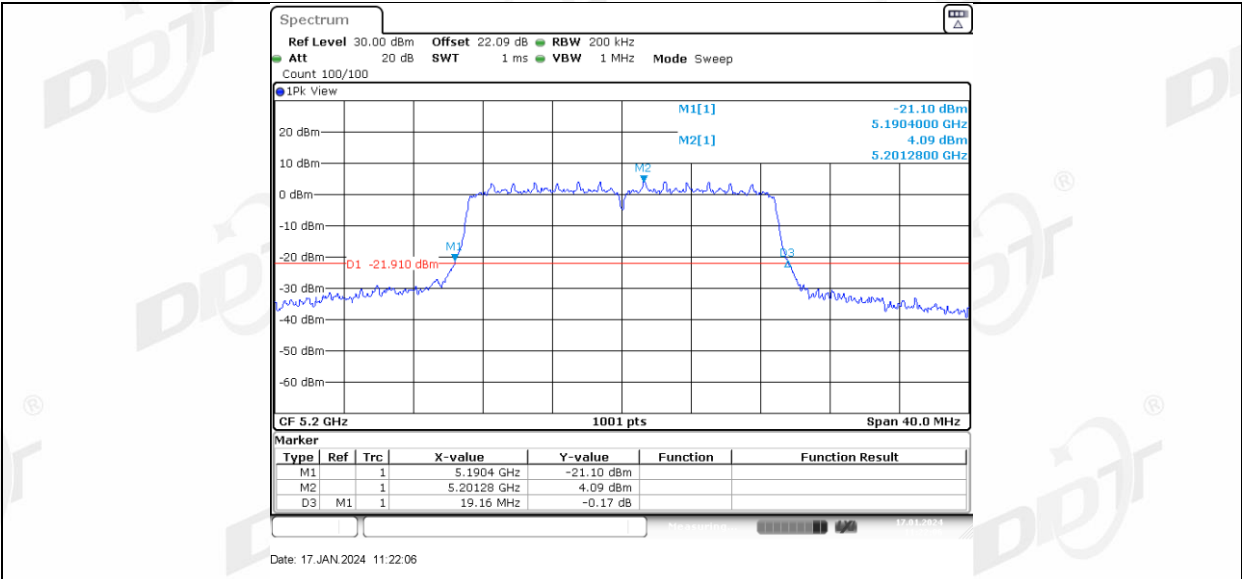
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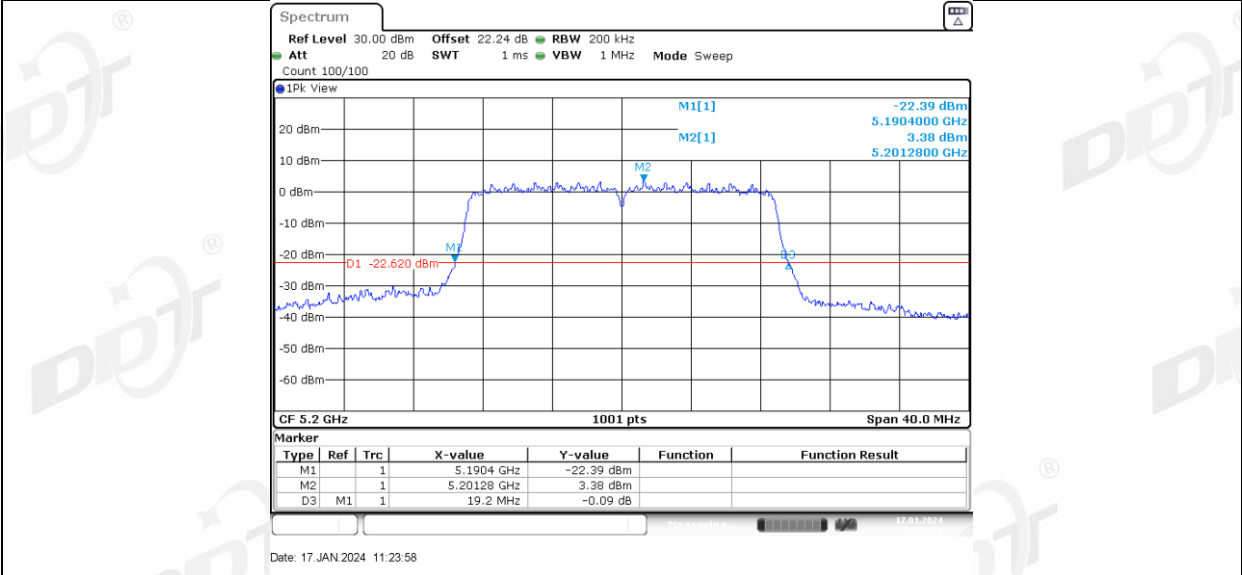
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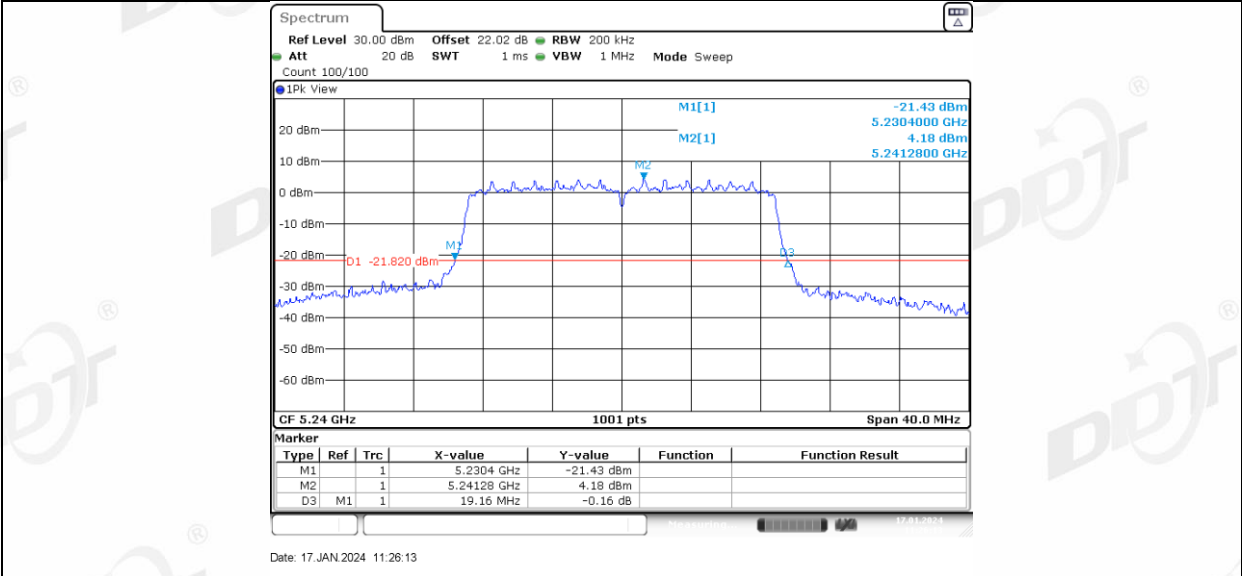
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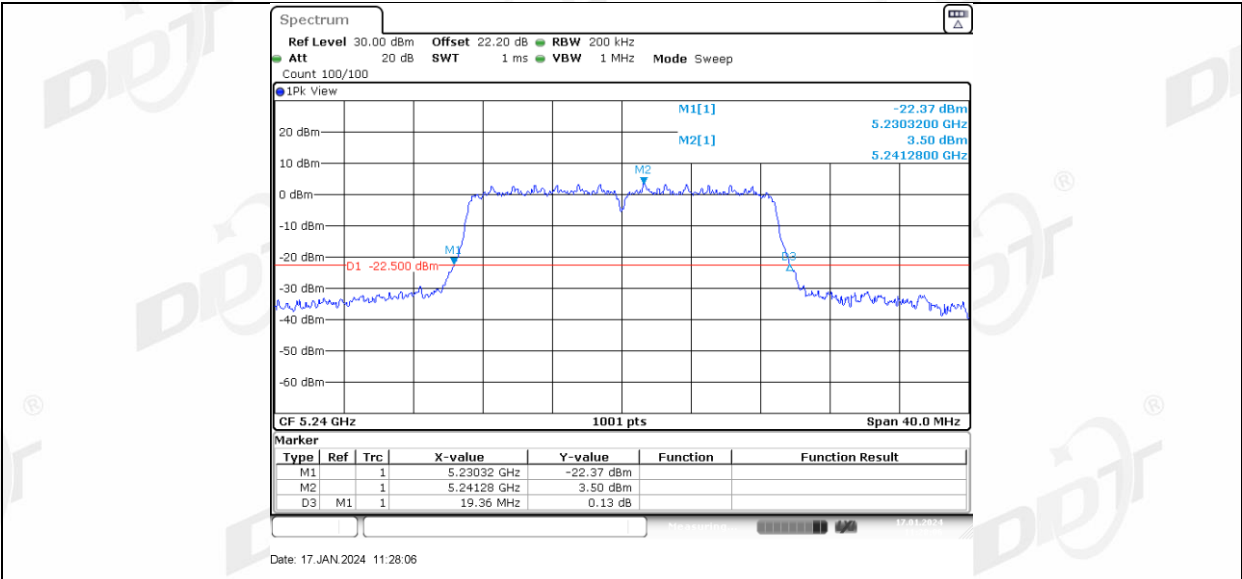
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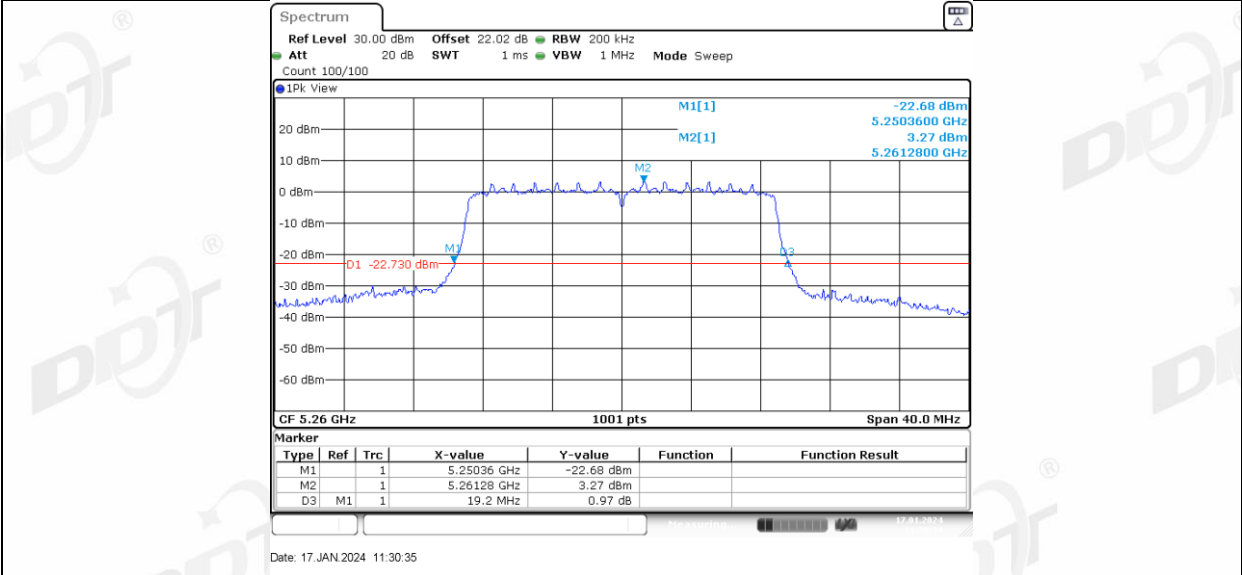
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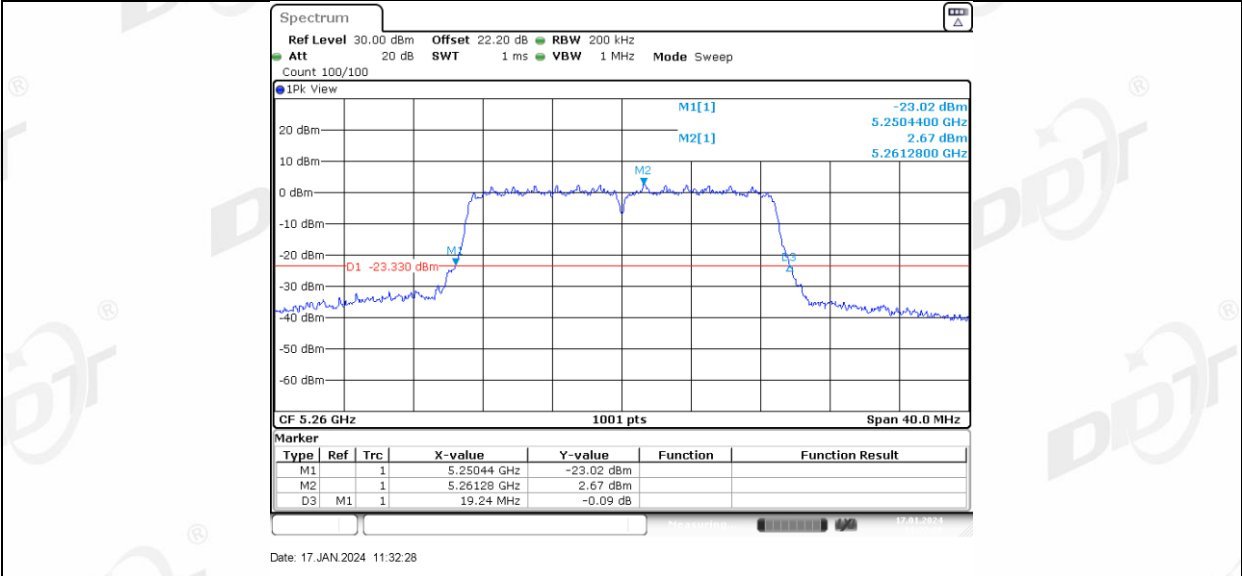
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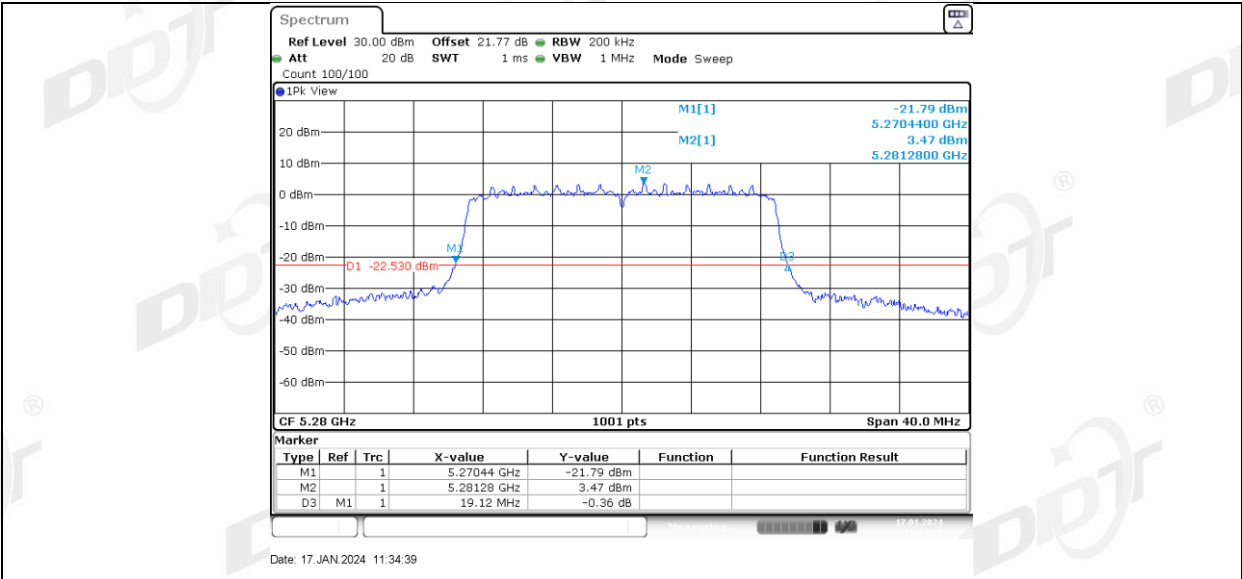
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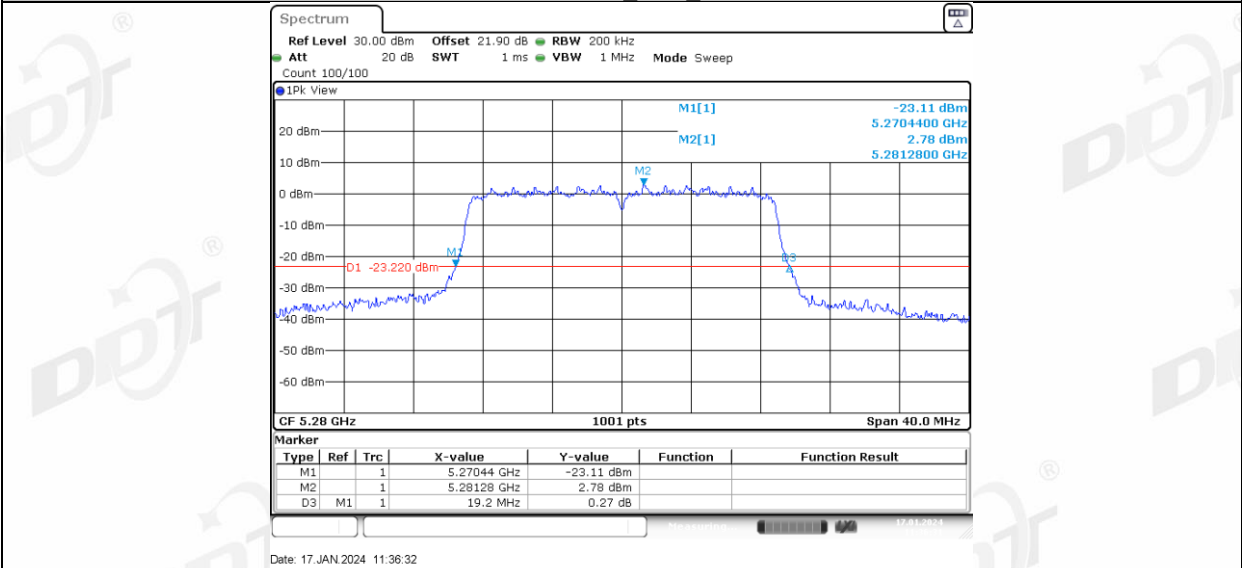
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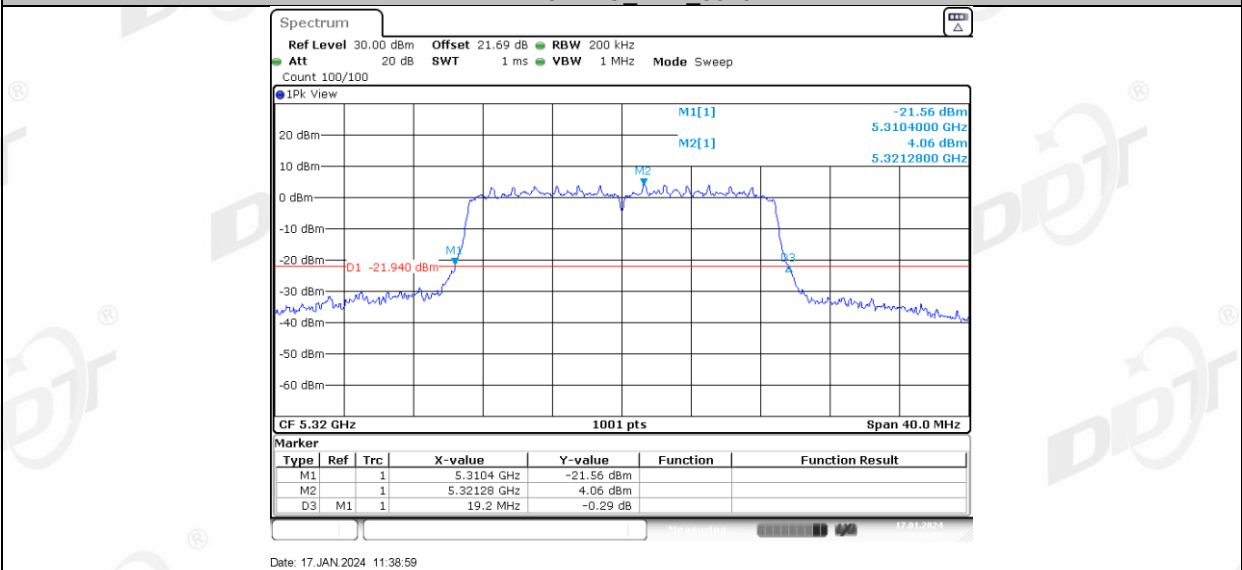
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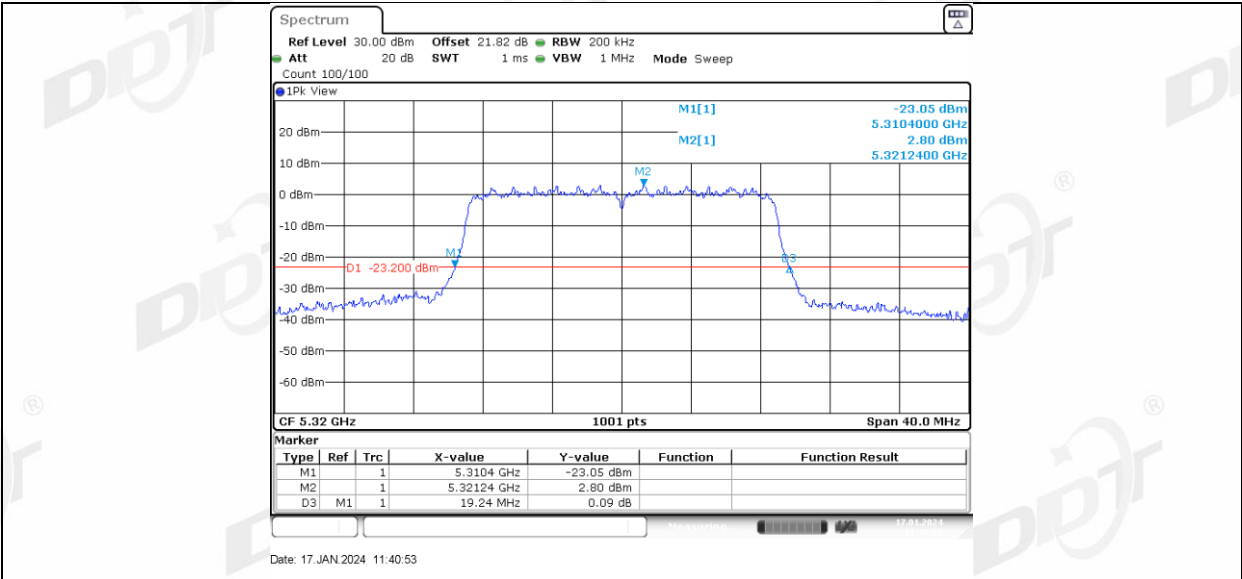
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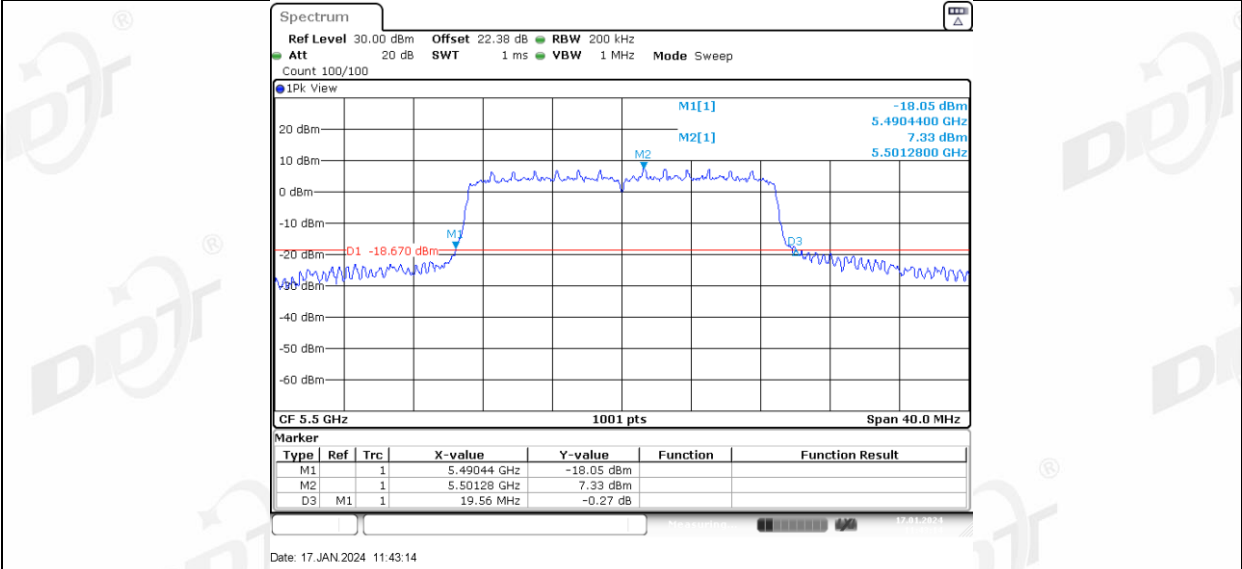
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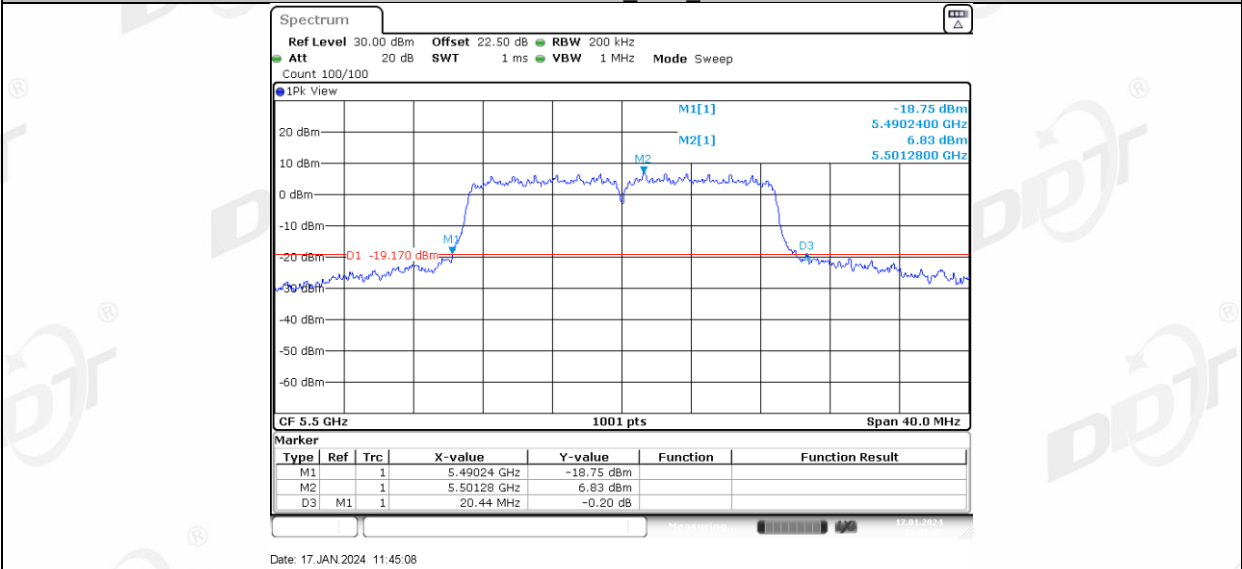
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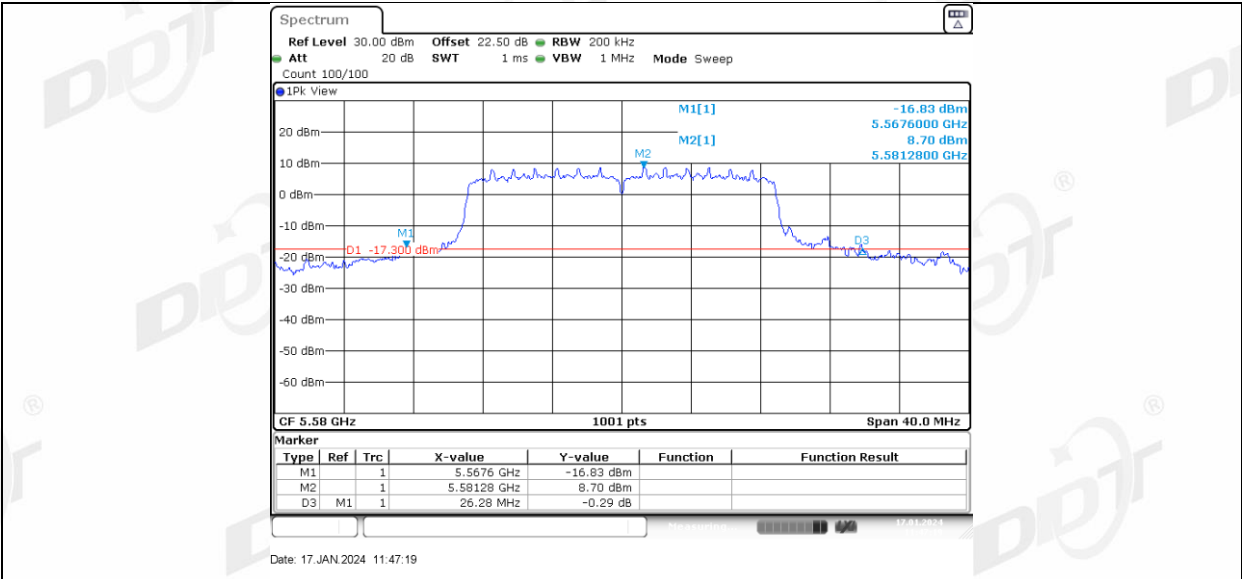
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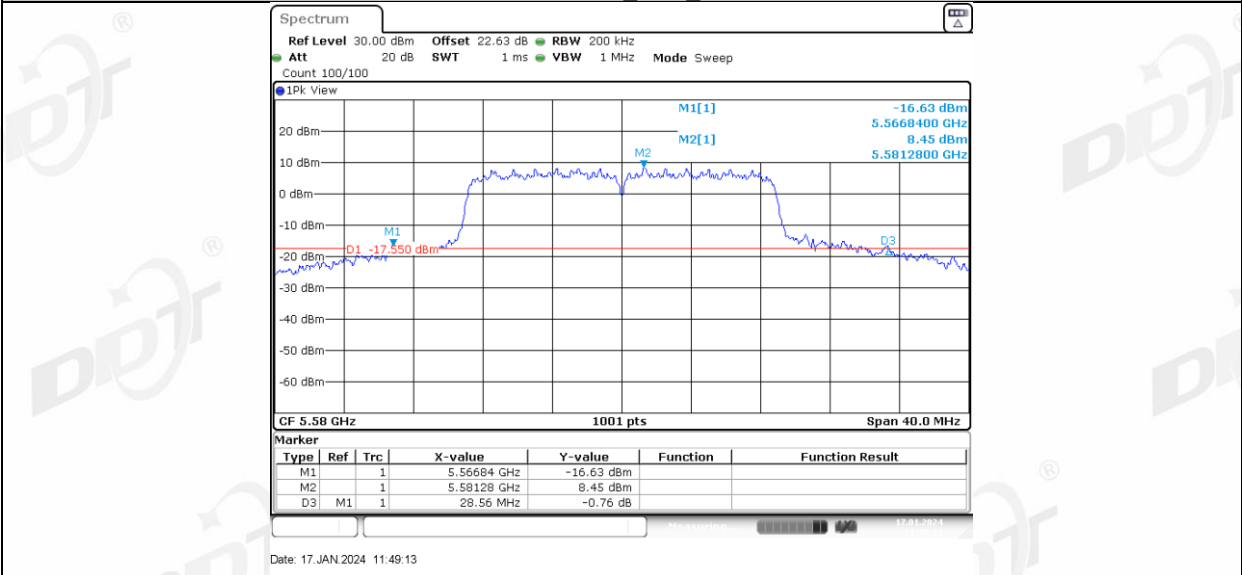
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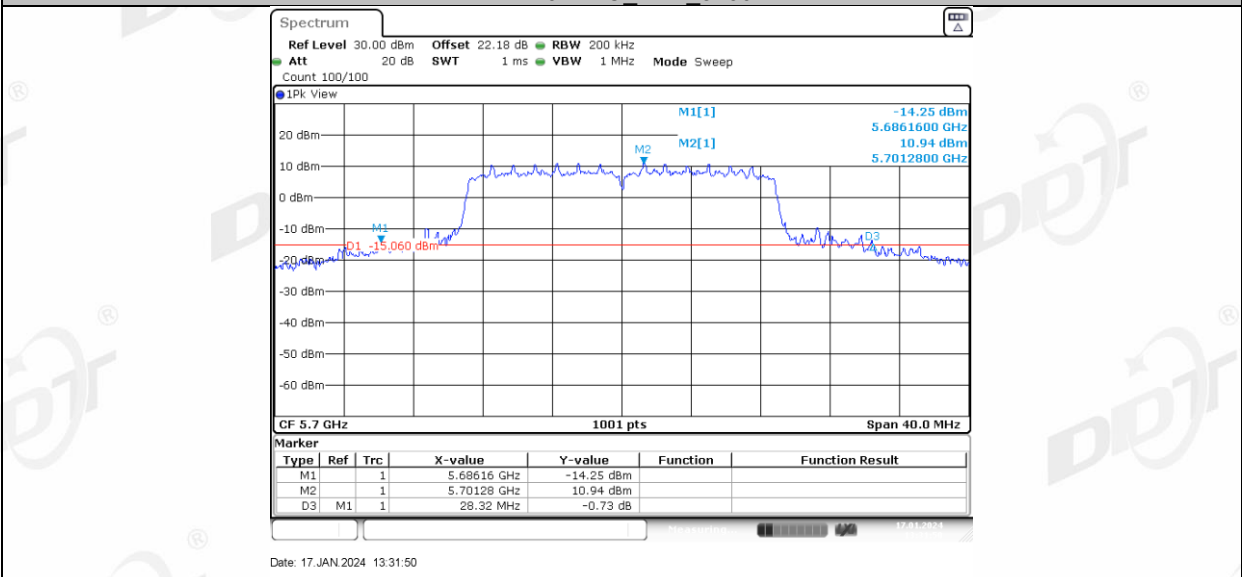
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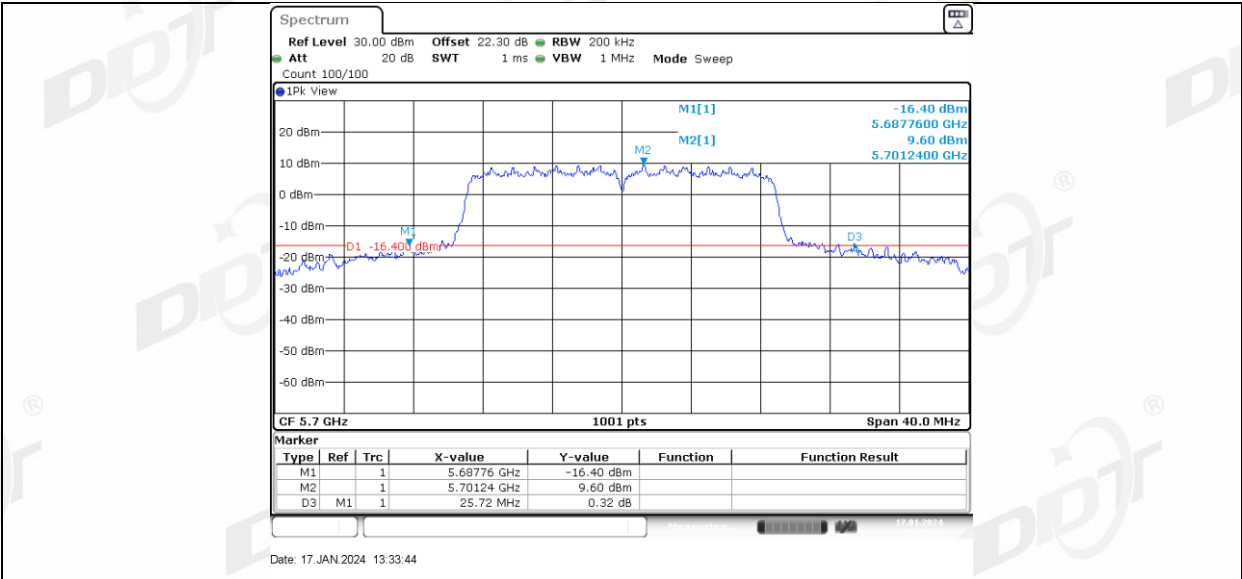
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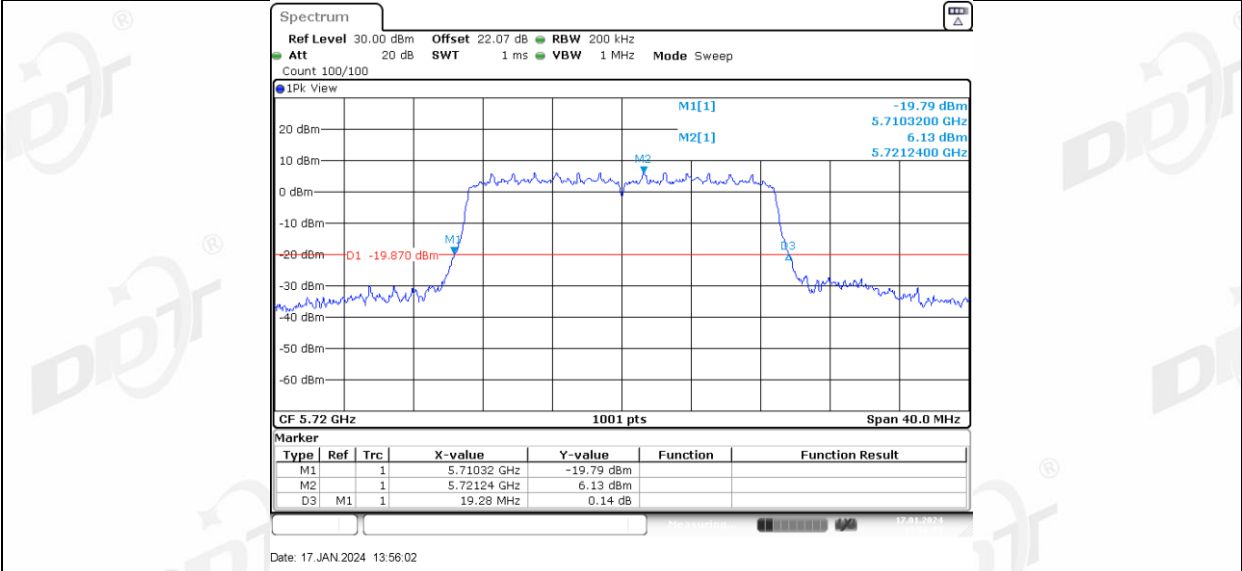
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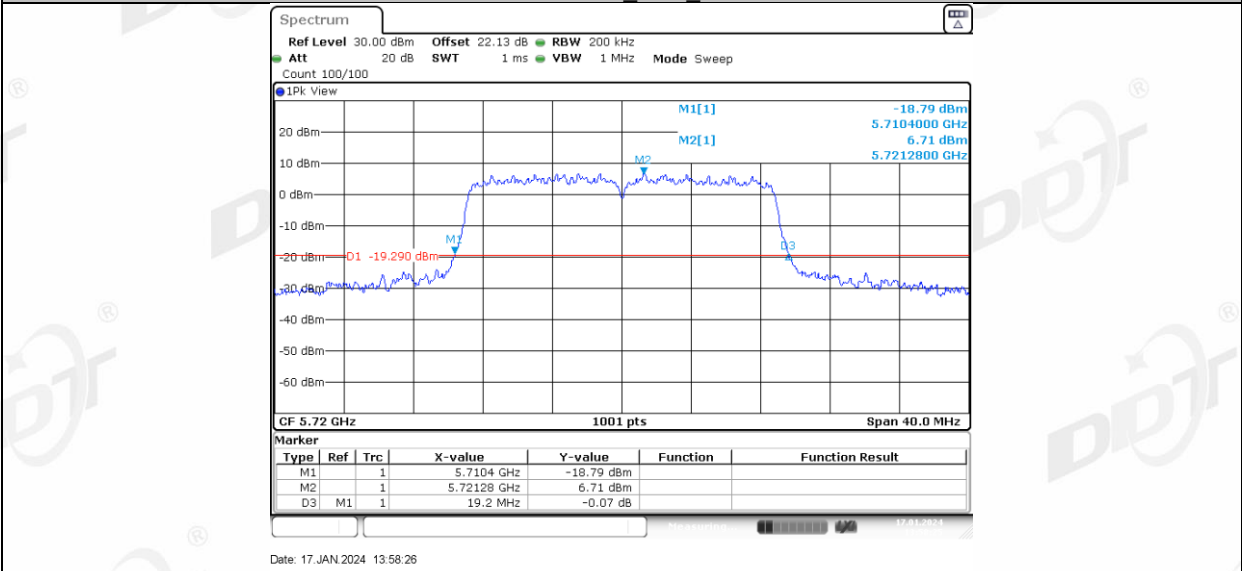
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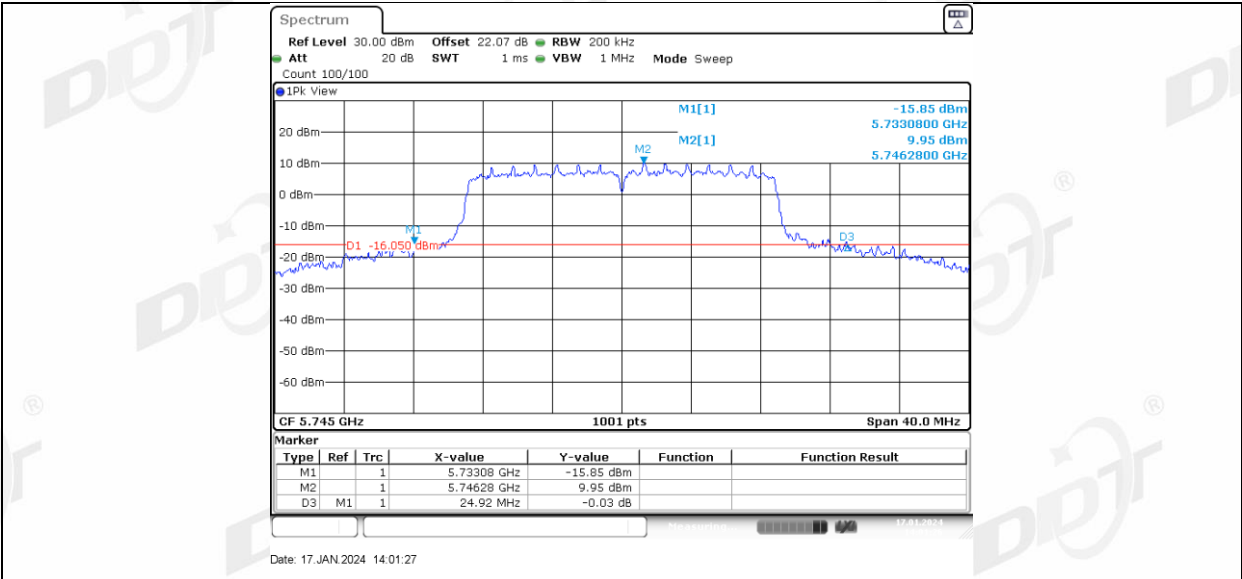
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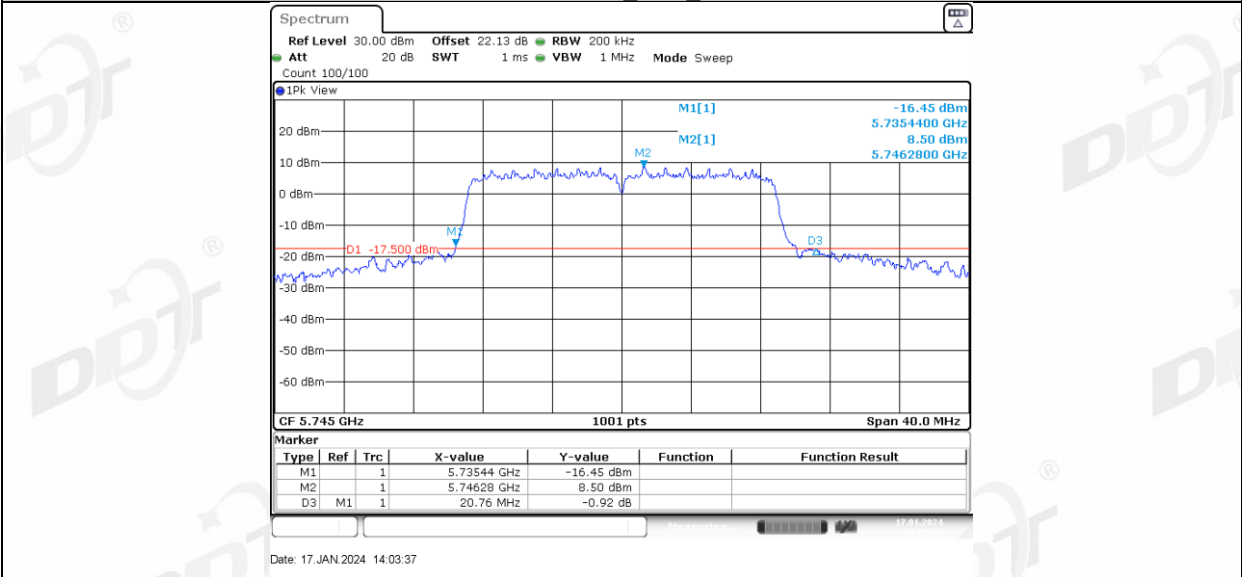
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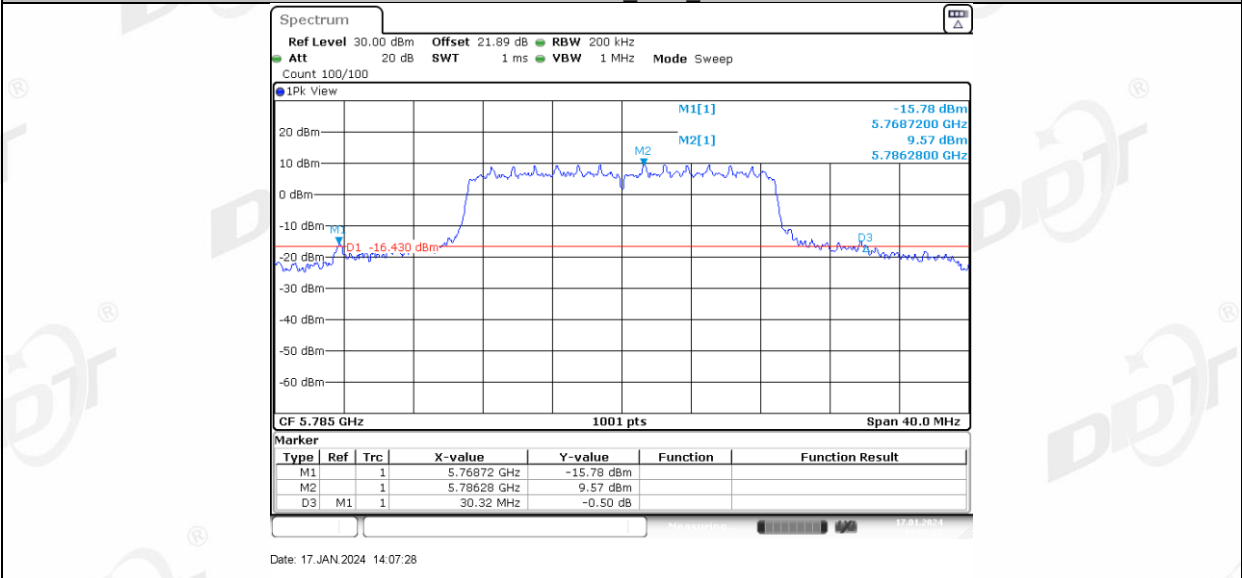
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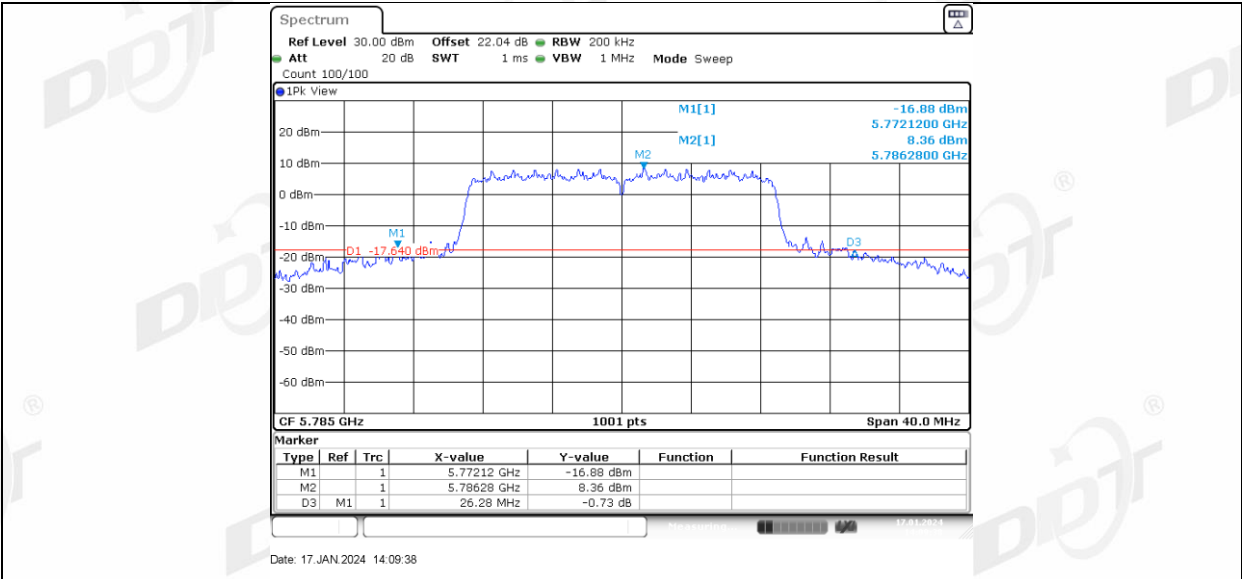
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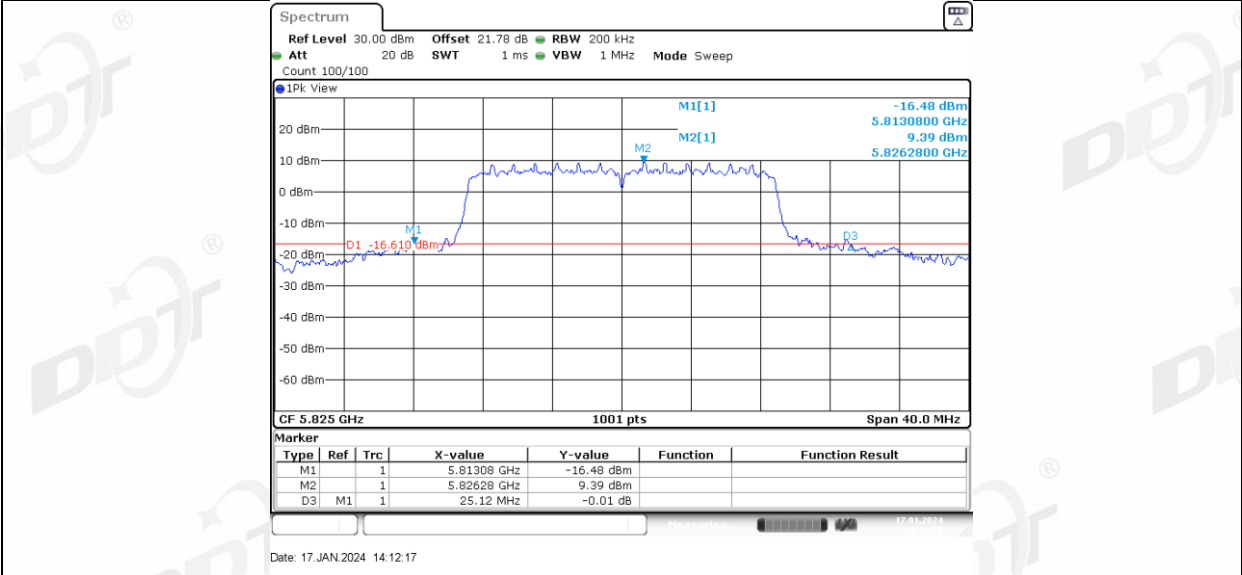
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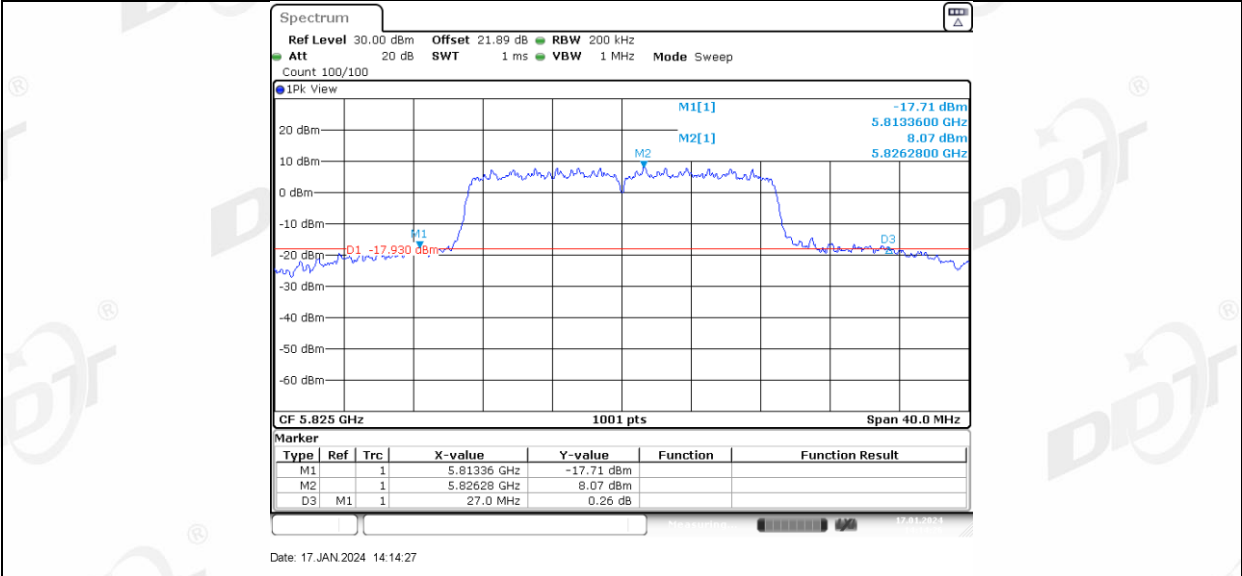
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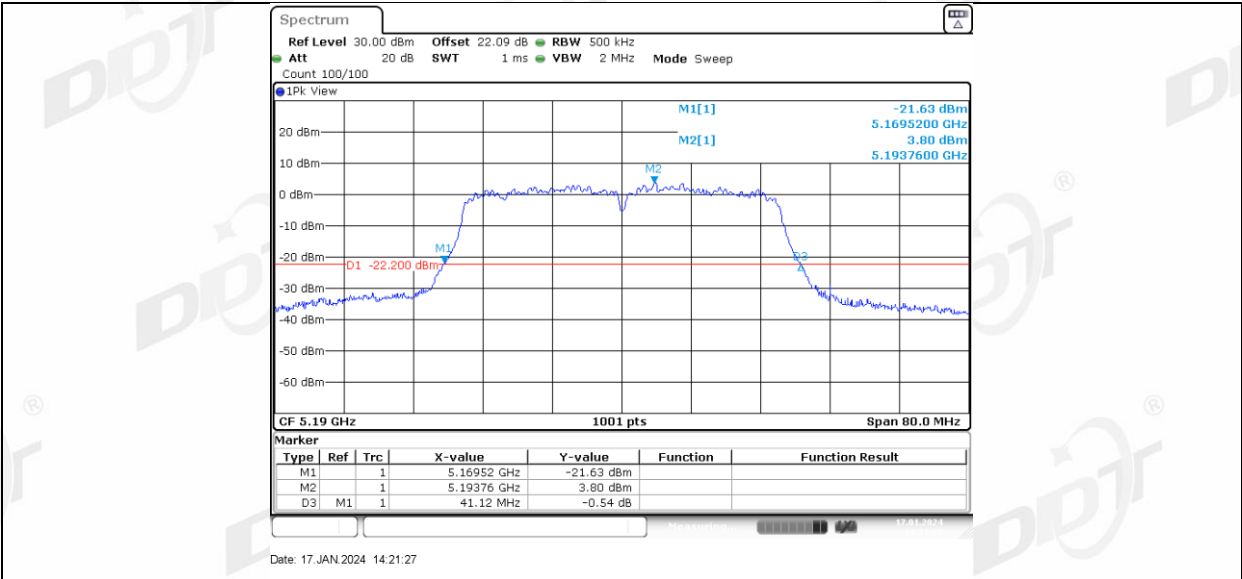
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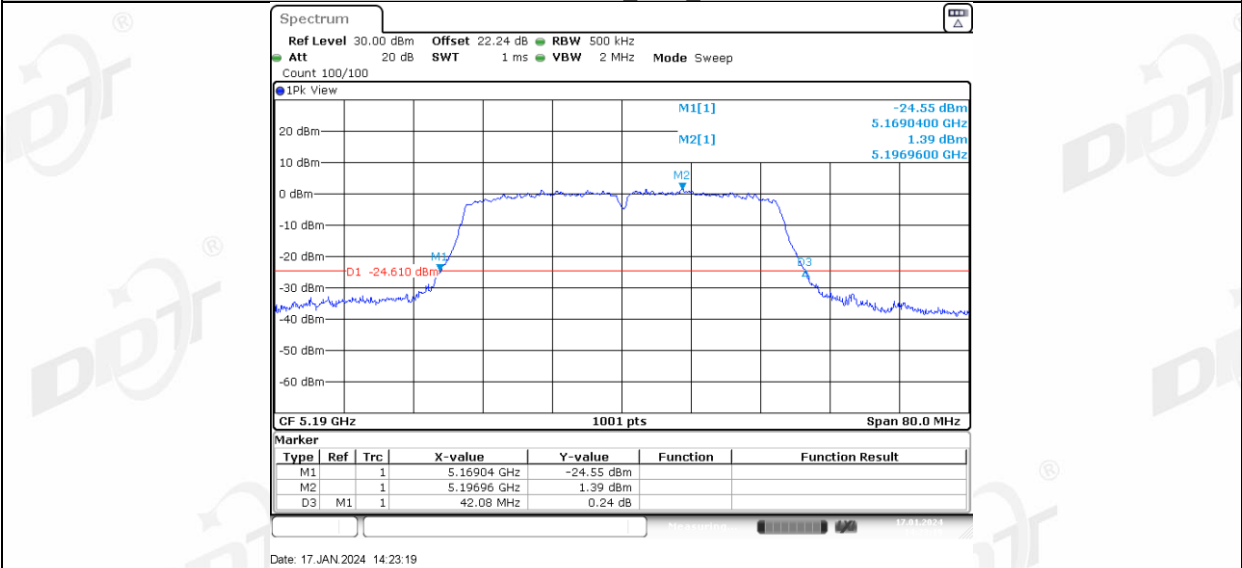
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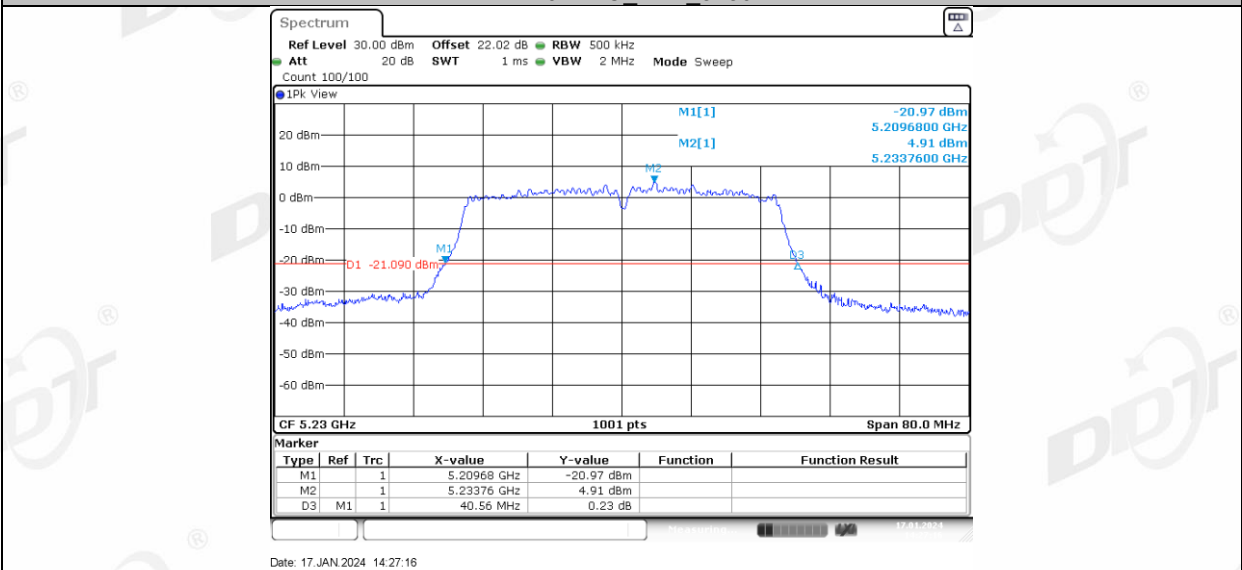
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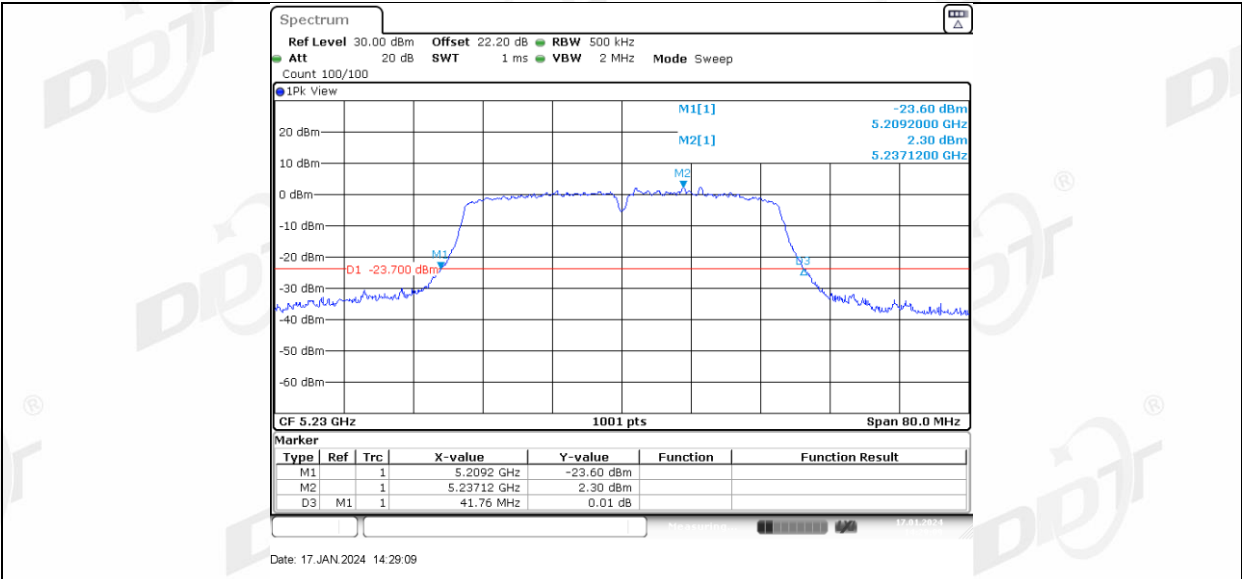
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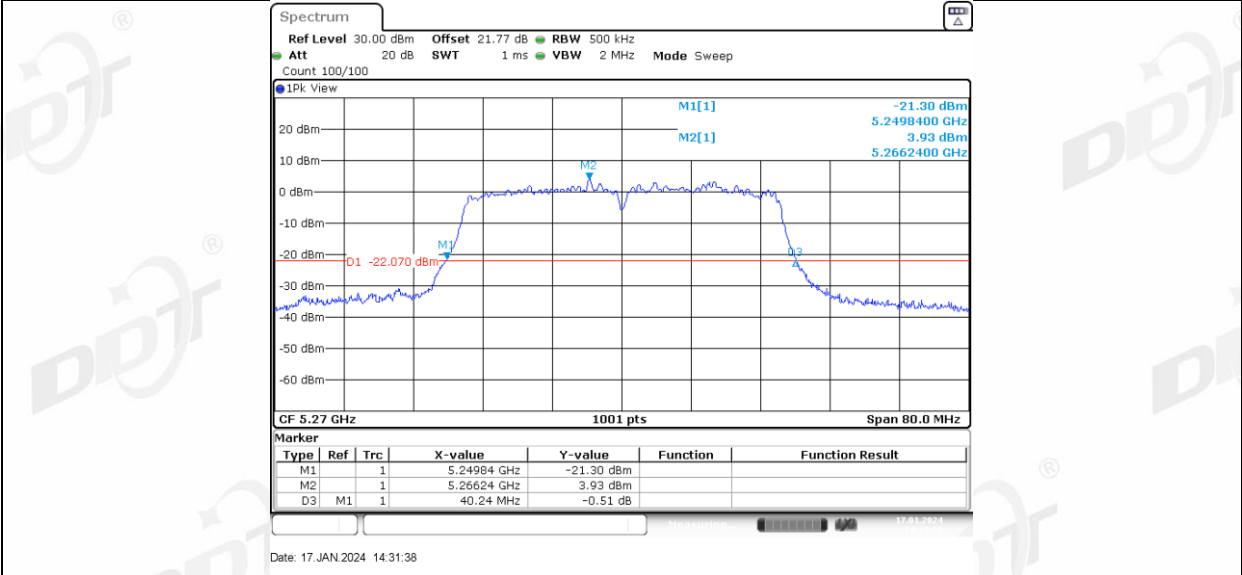
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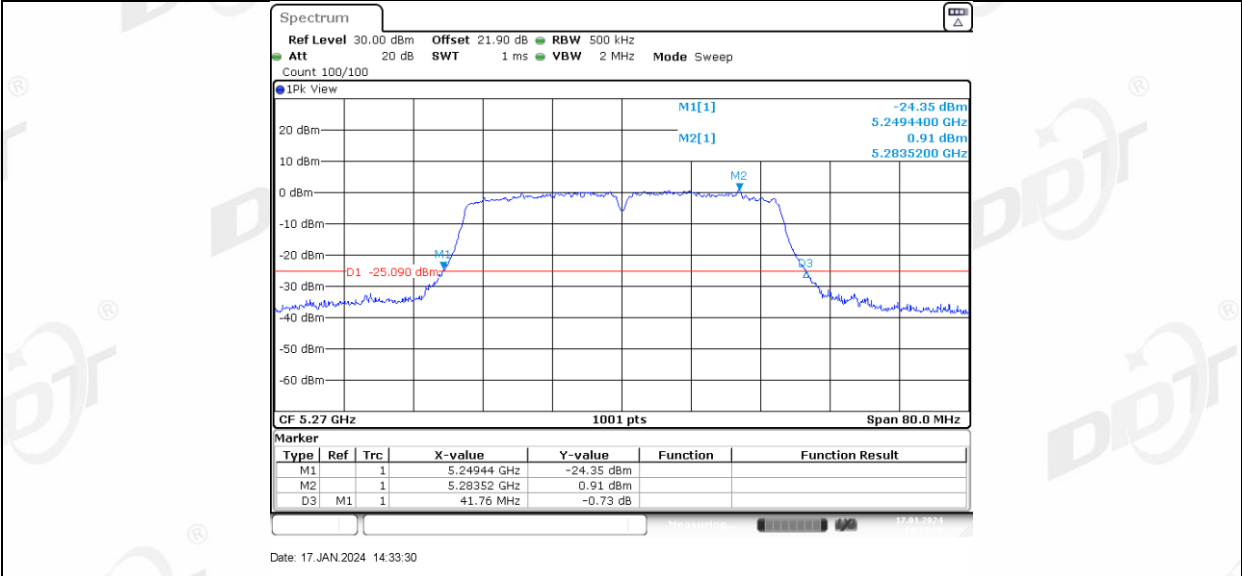
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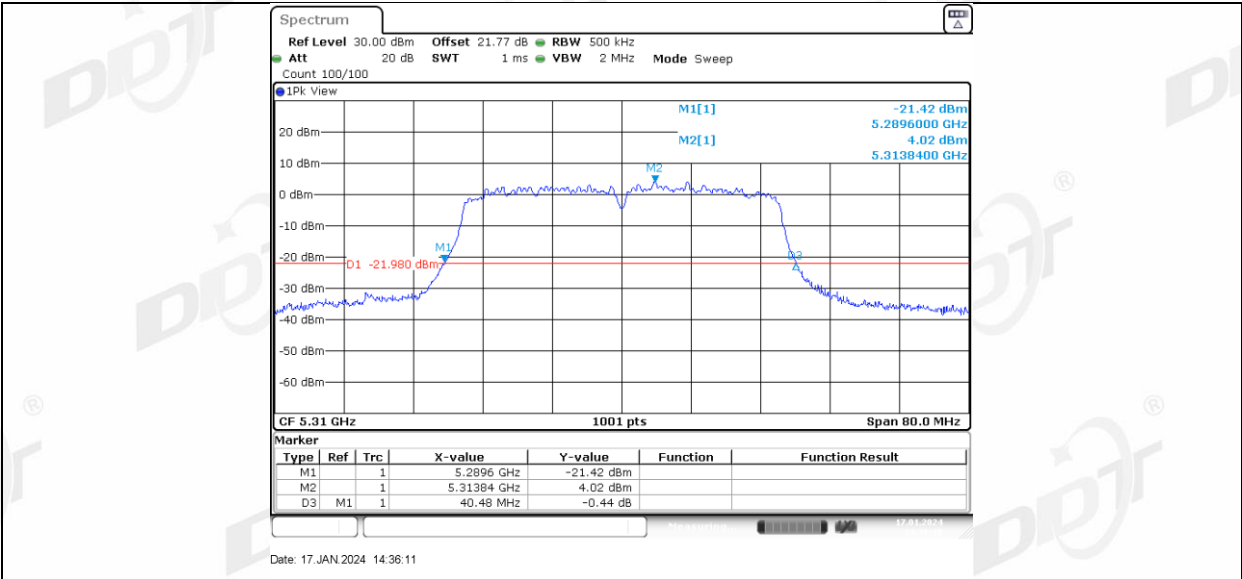
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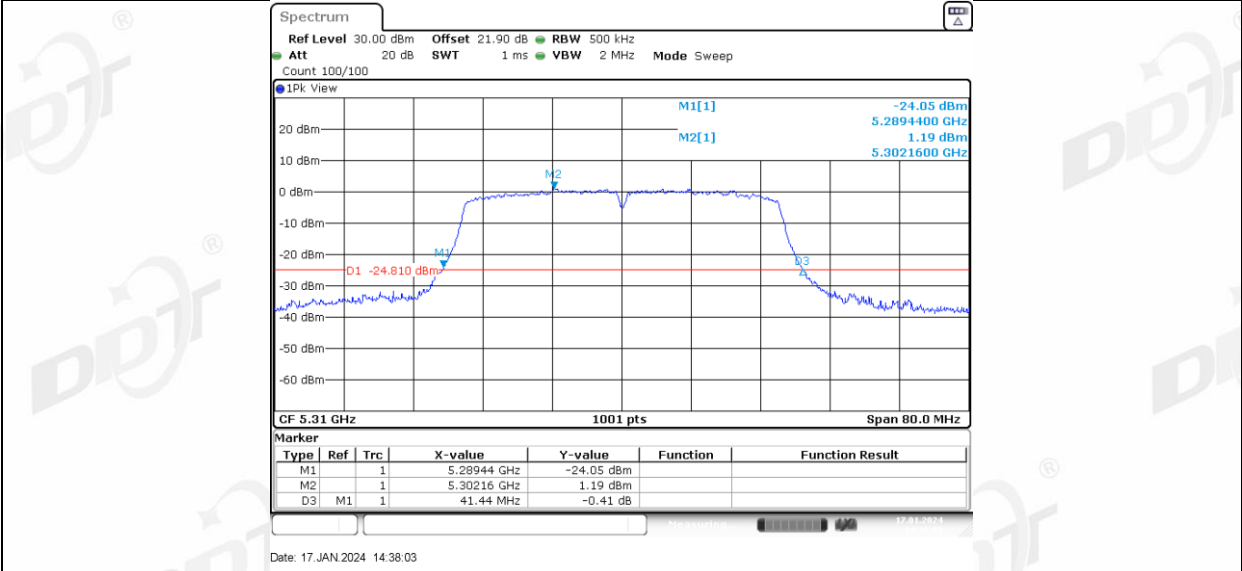
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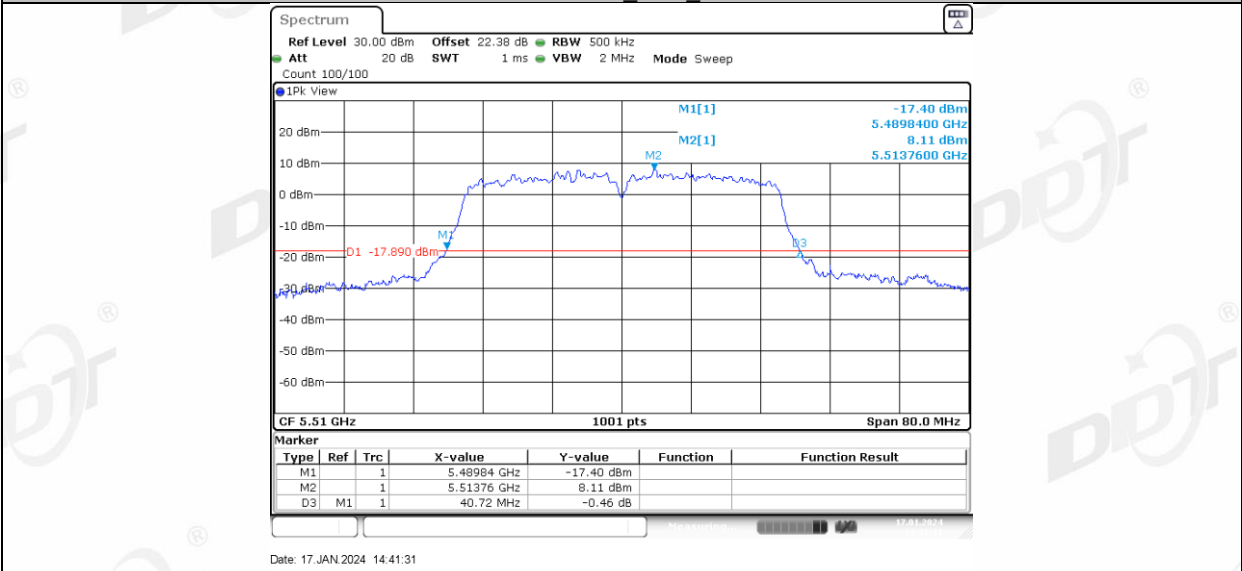
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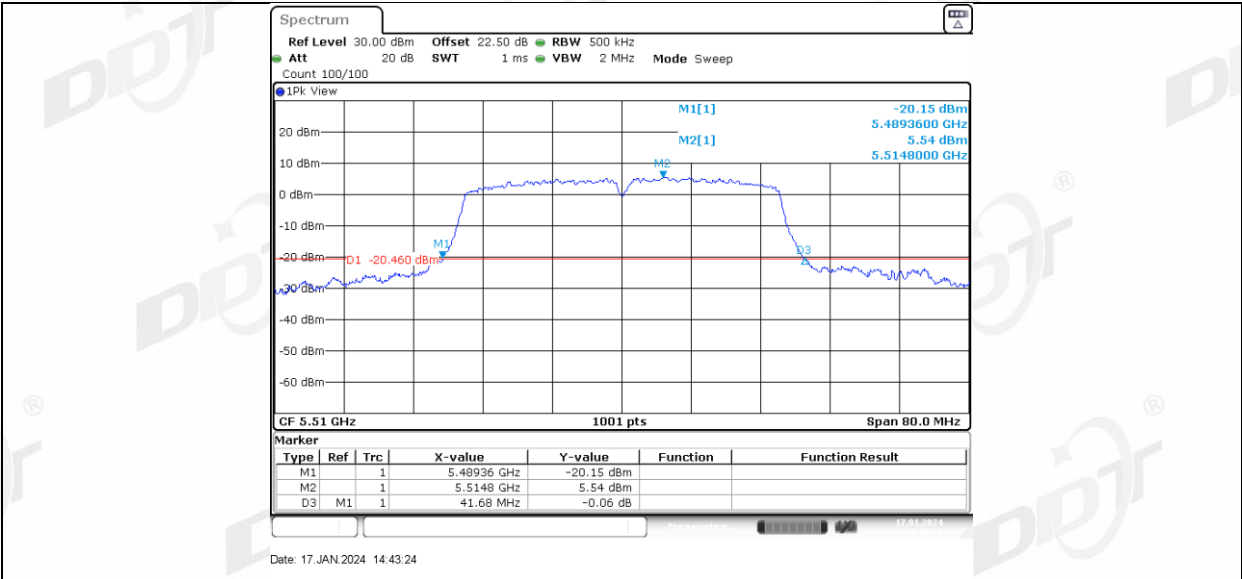
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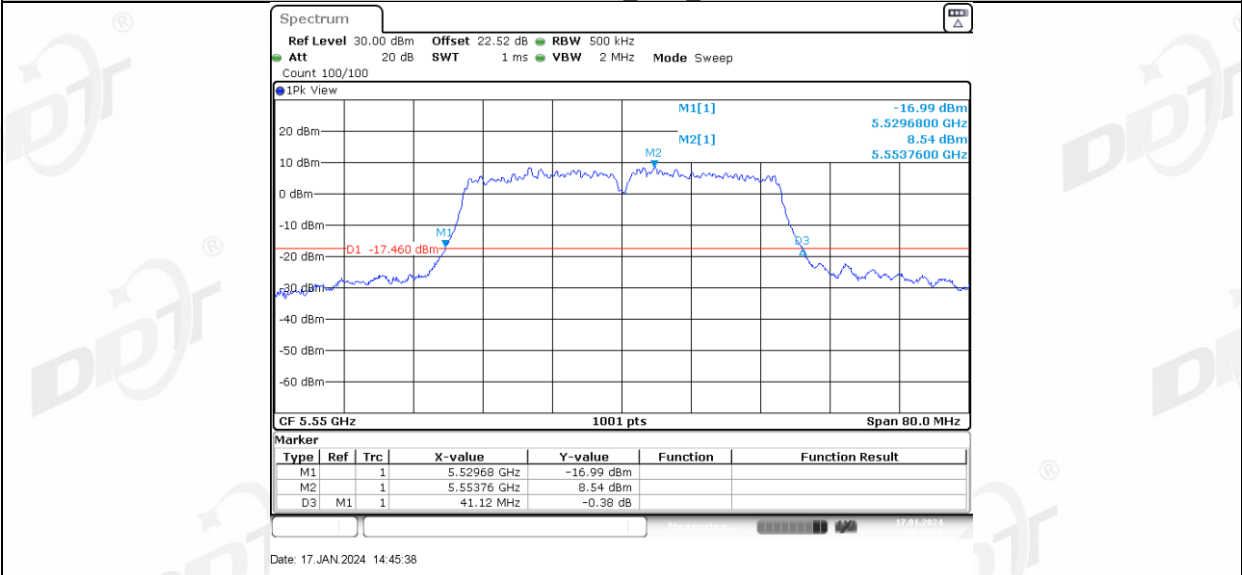
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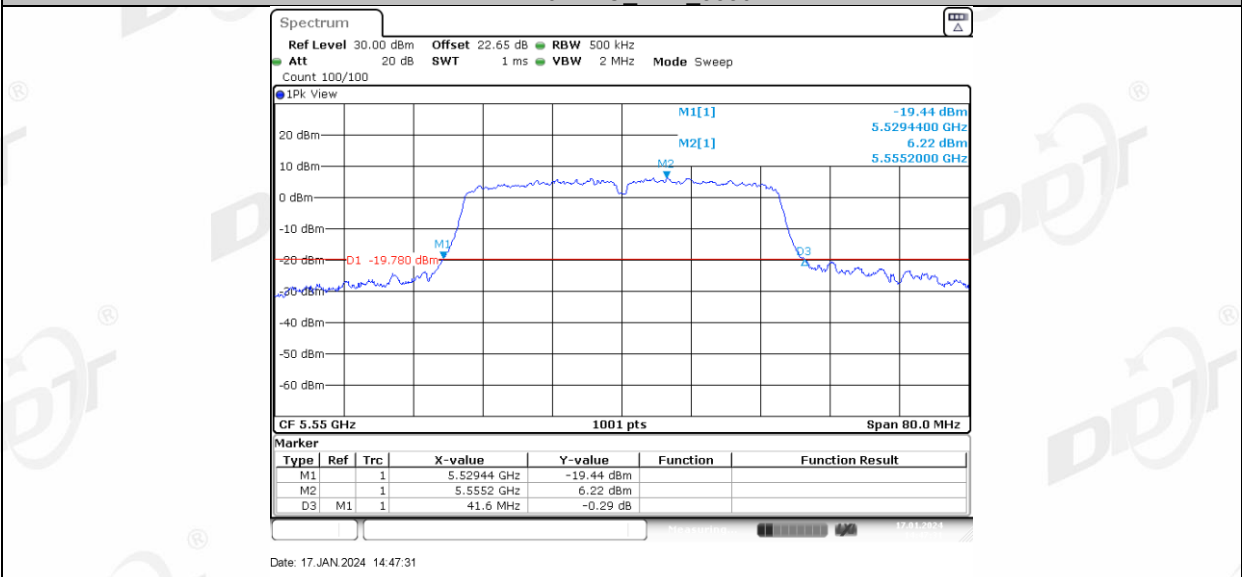
11N40MIMO_Ant2_5510



11N40MIMO_Ant1_5550



11N40MIMO_Ant2_5550



11N40MIMO_Ant1_5670