



RADIO TEST REPORT

Applicant	:	LYSORA TECHNOLOGY INC.
Address of Applicant	:	8 THE GREEN, STE A, DOVER, KENT COUNTY, DELAWARE 19901, USA
Manufacturer	:	LYSORA TECHNOLOGY INC.
Address of Manufacturer	:	8 THE GREEN, STE A, DOVER, KENT COUNTY, DELAWARE 19901, USA
Equipment under Test	:	Wireless Access Point
Model No.	:	L2533
FCC ID	:	2BPSN-L2533
Test Standard(s)	:	47 CFR Part 15 Subpart E, ANSI C63.10-2020, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01
Report No.	:	DDT-RE25092316-2E02
Issue Date	:	2026/01/15
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

Table of Contents

1.	Summary of Test Results	7
2.	General Test Information.....	8
2.1.	Description of EUT	8
2.2.	Accessories of EUT	9
2.3.	Block diagram of EUT configuration for test.....	9
2.4.	Decision of final test mode	9
2.5.	Deviations of test standard	12
2.6.	Test environment conditions	12
2.7.	Test laboratory	13
2.8.	Measurement uncertainty	13
3.	Equipment Used During Conductive Test	14
4.	26dB Bandwidth	15
4.1.	Block diagram of test setup	15
4.2.	Limits	15
4.3.	Test procedure	15
4.4.	Test result.....	16
4.5.	Test graphs	21
5.	6dB Bandwidth	110
5.1.	Block diagram of test setup	110
5.2.	Limits	110
5.3.	Test procedure	110
5.4.	Test result B4	111
5.5.	Test graphs B4	113
6.	99% Bandwidth	133
6.1.	Block diagram of test setup	133
6.2.	Limits	133
6.3.	Test procedure	133
6.4.	Test result.....	134
6.5.	Test graphs	139
7.	Duty Cycle	228
7.1.	Block diagram of test setup	228
7.2.	Limit.....	228
7.3.	Test procedure	228
7.4.	Test result.....	229
7.5.	Test graphs	234
8.	Maximum Output Power	323

8.1.	Block diagram of test setup	323
8.2.	Limits	323
8.3.	Test procedure	323
8.4.	Test result channel power	324
9.	Power Spectral Density	336
9.1.	Block diagram of test setup	336
9.2.	Limits	336
9.3.	Test procedure	336
9.4.	Test result	338
9.5.	Test graphs	344
10.	Frequency Stability Measurement	428
10.1.	Limit of Frequency Stability	428
10.2.	Measuring Instruments	428
10.3.	Test procedures	428
10.4.	Test setup	428
10.5.	Test result	429
11.	Antenna Requirements	488
11.1.	Limit	488
11.2.	Result	488
12.	Radiated Emission	489
12.1.	Test equipment	489
12.2.	Block diagram of test setup	490
12.3.	Limits	491
12.4.	Assistant equipment used for test	492
12.5.	Test procedure	492
12.6.	Test result	494
12.7.	Test data	495
13.	Band Edge Compliance	523
13.1.	Test equipment	523
13.2.	Block diagram of test setup	524
13.3.	Limits	524
13.4.	Assistant equipment used for test	524
13.5.	Test procedure	524
13.6.	Test result	525
13.7.	Test data	526
14.	Power Line Conducted Emissions	676
14.1.	Test equipment	676
14.2.	Block diagram of test setup	676

14.3. Limits 676

14.4. Assistant equipment used for test 676

14.5. Test procedure 677

14.6. Test result.....677

14.7. Test data 678

15. Test Setup Photograph 682

16. Photos of the EUT 686

Test Report Declare

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Test Standard Used:

47 CFR Part 15 Subpart E,
ANSI C63.10-2020,
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.

Report No.:	DDT-RE25092316-2E02		
Date of Receipt:	2025/10/13	Date of Test:	2025/10/13 - 2026/01/09

Created: Tiger Mo	Reviewed: Johnson Huang	Approved: Ella Gong
		
2026/01/09	2026/01/15	2026/01/15

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

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/01/15	Ella Gong

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6/26db Bandwidth and 99% Bandwidth	47 CFR Part 15 15.407 (e)	/	Pass
2	Output Power	47 CFR Part 15 15.407 (a)	/	Pass
3	Power Spectral Density	47 CFR Part 15 15.407 (a)	/	Pass
4	Frequency Stability Measurement	47 CFR Part 15 15.407 (g)	/	Pass
5	Radiated Emission	47 CFR Part 15 15.407 (b), 47 CFR Part 15 15.209, 47 CFR Part 15 15.205	/	Pass
6	Band Edge Compliance	47 CFR Part 15 15.407 (b), 47 CFR Part 15 15.209, 47 CFR Part 15 15.205	/	Pass
7	Antenna Requirement	47 CFR Part 15.203	/	Pass
8	Power Line Conducted Emissions	47 CFR Part 15 15.207(a)	/	Pass
9	Dynamic Frequency Selection	47 CFR Part 15 15.407 (h)	/	Pass
Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.				

2. General Test Information

2.1. Description of EUT

EUT Name	: Wireless Access Point
Model Number	: L2533
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 12V2A or 44 - 57 V 0.6 A (PoE IN)
Antenna Type	: Built-In Omnidirectional
Max Antenna Gain(dBi)	: Ant1:7.5dBi, Ant2:5.47dBi, Ant3:6.64dBi

Radio Technology	: IEEE 802.11a/n/ac/ax
Operation frequency	: U-NII-1: 5180 MHz to 5250 MHz U-NII-2A: 5250 MHz to 5320 MHz U-NII-2C: 5500 MHz to 5700 MHz U-NII-3: 5745 MHz to 5825 MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDM, OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)

Channel information							
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) IEEE 802.11ax (HE20)		IEEE 802.11n (HT40) IEEE802.11ac (VHT40) IEEE 802.11ax (HE40)		IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)		IEEE 802.11ac (VHT160) IEEE 802.11ax (HE160)	
UNII-1							
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210	50	5250 (Straddle)
40	5200	46	5230	/	/	/	/
44	5220	/	/	/	/	/	/
48	5240	/	/	/	/	/	/
UNII-2A							
52	5260	54	5270	58	5290	50	5250 (Straddle)
56	5280	62	5310	/	/	/	/
60	5300	/	/	/	/	/	/
64	5320	/	/	/	/	/	/
UNII-2C							
100	5500	102	5510	106	5530	114	5570
104	5520	110	5550	122	5610	/	/
108	5540	118	5590	/	/	/	/
112	5560	126	5630	/	/	/	/

116	5580	134	5670	/	/	/	/
120	5600	/	/	/	/	/	/
124	5620	/	/	/	/	/	/
128	5640	/	/	/	/	/	/
132	5660	/	/	/	/	/	/
136	5680	/	/	/	/	/	/
140	5700	/	/	/	/	/	/
UNII-3							
149	5745	151	5755	155	5775	/	/
153	5765	159	5795	/	/	/	/
157	5785	/	/	/	/	/	/
161	5805	/	/	/	/	/	/
165	5825	/	/	/	/	/	/

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: QATool_Dbg.exe

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, Tx Power Setting, Data rate, Channel, and Frequency						
Tested mode	Tx Power Setting			Data rate (Mbps) (see Note)	Test Channel	Frequency (MHz)
	ANT1	ANT2	ANT3			
IEEE 802.11a	10	10	10	6	LCH: CH36	5180
	10	10	10	6	MCH: CH40	5200
	10	10	10	6	HCH: CH48	5240
	10	10	10	6	LCH: CH52	5260
	10	10	10	6	MCH: CH56	5280
	10	10	10	6	HCH: CH64	5320
	10	10	10	6	LCH: CH100	5500
	10	10	10	6	MCH: CH116	5580
	10	10	10	6	HCH: CH140	5700
	10	10	10	6	LCH: CH149	5745
	10	10	10	6	MCH: CH157	5785
	10	10	10	6	HCH: CH165	5825
IEEE 802.11n HT20	5	5	/	MCS 8	LCH: CH36	5180
	5	5	/	MCS 8	MCH: CH40	5200
	5	5	/	MCS 8	HCH: CH48	5240
	10	10	/	MCS 8	LCH: CH52	5260
	10	10	/	MCS 8	MCH: CH56	5280
	10	10	/	MCS 8	HCH: CH64	5320
	10	10	/	MCS 8	LCH: CH100	5500
	10	10	/	MCS 8	MCH: CH116	5580
	10	10	/	MCS 8	HCH: CH140	5700
	10	10	/	MCS 8	LCH: CH149	5745
	10	10	/	MCS 8	MCH: CH157	5785
	10	10	/	MCS 8	HCH: CH165	5825
IEEE 802.11n HT40	5	5	/	MCS 8	LCH: CH38	5190
	5	5	/	MCS 8	HCH: CH46	5230
	10	10	/	MCS 8	LCH: CH54	5270
	10	10	/	MCS 8	HCH: CH62	5310
	10	10	/	MCS 8	LCH: CH102	5510
	10	10	/	MCS 8	MCH: CH110	5550
	10	10	/	MCS 8	HCH: CH134	5670
	10	10	/	MCS 8	LCH: CH151	5755
	10	10	/	MCS 8	HCH: CH159	5795
IEEE 802.11ac	3	3	3	MCS 0	LCH: CH36	5180
	3	3	3	MCS 0	MCH: CH40	5200

VHT20	3	3	3	MCS 0	HCH: CH48	5240
	8	8	8	MCS 0	LCH: CH52	5260
	8	8	8	MCS 0	MCH: CH56	5280
	8	8	8	MCS 0	HCH: CH64	5320
	8	8	8	MCS 0	LCH: CH100	5500
	8	8	8	MCS 0	MCH: CH116	5580
	8	8	8	MCS 0	HCH: CH140	5700
	10	10	10	MCS 0	LCH: CH149	5745
	10	10	10	MCS 0	MCH: CH157	5785
	10	10	10	MCS 0	HCH: CH165	5825
IEEE 802.11 ac VHT40	3	3	3	MCS 0	LCH: CH38	5190
	3	3	3	MCS 0	HCH: CH46	5230
	8	8	8	MCS 0	LCH: CH54	5270
	8	8	8	MCS 0	HCH: CH62	5310
	8	8	8	MCS 0	LCH: CH102	5510
	8	8	8	MCS 0	MCH: CH110	5550
	8	8	8	MCS 0	HCH: CH134	5670
	10	10	10	MCS 0	LCH: CH159	5755
	10	10	10	MCS 0	HCH: CH36	5795
IEEE 802.11ac VHT80	3	3	3	MCS 0	CH42	5210
	8	8	8	MCS 0	CH58	5290
	8	8	8	MCS 0	LCH: CH106	5530
	8	8	8	MCS 0	HCH: CH122	5610
	10	10	10	MCS 0	CH155	5775
IEEE 802.11ac VHT160	8	8	8	MCS 0	CH50	5250 (Straddle)
	10	10	10	MCS 0	CH114	5570
IEEE 802.11ax HE20	3	3	3	MCS 0	LCH: CH36	5180
	3	3	3	MCS 0	MCH: CH40	5200
	3	3	3	MCS 0	HCH: CH48	5240
	10	10	10	MCS 0	LCH: CH52	5260
	10	10	10	MCS 0	MCH: CH56	5280
	10	10	10	MCS 0	HCH: CH64	5320
	10	10	10	MCS 0	LCH: CH100	5500
	10	10	10	MCS 0	MCH: CH116	5580
	10	10	10	MCS 0	HCH: CH140	5700
	10	10	10	MCS 0	LCH: CH149	5745
	10	10	10	MCS 0	MCH: CH157	5785
	10	10	10	MCS 0	HCH: CH165	5825
IEEE	3	3	3	MCS 0	LCH: CH38	5190

802.11ax HE40	3	3	3	MCS 0	HCH: CH46	5230
	10	10	10	MCS 0	LCH: CH54	5270
	10	10	10	MCS 0	HCH: CH62	5310
	10	10	10	MCS 0	LCH: CH102	5510
	10	10	10	MCS 0	MCH: CH110	5550
	10	10	10	MCS 0	HCH: CH134	5670
	10	10	10	MCS 0	LCH: CH159	5755
	10	10	10	MCS 0	HCH: CH36	5795
IEEE 802.11ax HE80	3	3	3	MCS 0	CH42	5210
	10	10	10	MCS 0	CH58	5290
	10	10	10	MCS 0	LCH: CH106	5530
	10	10	10	MCS 0	HCH: CH122	5610
	10	10	10	MCS 0	CH155	5775
IEEE 802.11ax VHT160	10	10	10	MCS 0	CH50	5250 (Straddle)
	10	10	10	MCS 0	CH114	5570
Note1: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test. Note2: IEEE 802.11n HT20 and IEEE 802.11n HT40 Only two antennas are supported for simultaneous transmission. All mode have been pretest, and only the worst case is shown in report.						

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

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

Temperature range:	+15°C to +35 °C
Humidity range:	20% to 75%
Pressure range:	86 kPa to106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

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-20240, G-20118

2.8. Measurement uncertainty

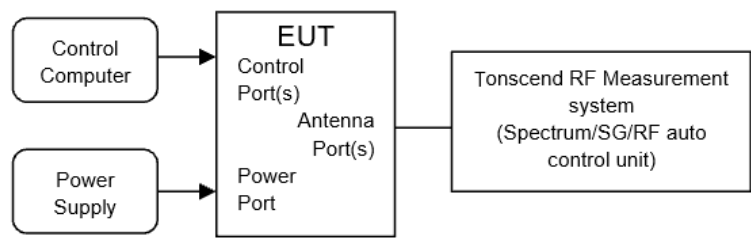
Test Item	Uncertainty
Bandwidth	1.9%
Peak Output Power (Conducted) (Spectrum analyzer)	0.98 dB
Peak Output Power (Conducted) (Power Sensor)	1.18 dB
Power Spectral Density (Base EIRP)	1.51 dB
Power Spectral Density (Spectrum analyzer)	0.98 dB
Frequencies Stability	1.9 kHz
Conducted spurious emissions	1.21 dB ($9 \text{ kHz} \leq f < 7 \text{ GHz}$);
	3.31 dB ($7 \text{ GHz} \leq f < 40 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	5.5×10^{-8}
Time	0.11%
Temperature	0.3 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.28 dB (Antenna Polarize: V)
	4.14 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.22 dB (1 - 6 GHz)
	4.52 dB (6 GHz - 18 GHz)
	4.58 dB (18 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.32dB (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 4#)				
Signal &Spectrum Analyzer	R&S	FSV3044	101173	2026/03/28
Wideband Radio Communication Tester	R&S	CMW500	168801	2026/03/28
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2026/03/28
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2026/08/10
RF Control Unit	Tonscend	JS0806-2	21I8060485	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
Test Software	Tonscend	JS1120-3	V3.6.21	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
	---	5470 - 5725
	Just for report	5725 - 5850

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:	Huang Yanwen	Test Site:	RF Measurement system 4#
Ambient Condition:	24.8-28.9°C,46.4-53.5%RH	Test Date:	2025.11.29-2025.12.11
Test Power Supply:	DC 12V	Sample Number:	S25092316-003

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.12	5168.76	5191.88	---	---
	Ant2	5180	22.88	5168.64	5191.52	---	---
	Ant3	5180	22.72	5168.88	5191.60	---	---
	Ant1	5200	23.48	5187.40	5210.88	---	---
	Ant2	5200	22.56	5188.60	5211.16	---	---
	Ant3	5200	22.68	5188.36	5211.04	---	---
	Ant1	5240	19.84	5230.04	5249.88	---	---
	Ant2	5240	19.92	5230.04	5249.96	---	---
	Ant3	5240	19.72	5230.08	5249.80	---	---
	Ant1	5260	19.88	5249.84	5269.72	---	---
	Ant2	5260	19.80	5249.96	5269.76	---	---
	Ant3	5260	19.92	5250.00	5269.92	---	---
	Ant1	5280	19.92	5270.00	5289.92	---	---
	Ant2	5280	19.80	5270.08	5289.88	---	---
	Ant3	5280	19.88	5270.08	5289.96	---	---
	Ant1	5320	22.64	5308.40	5331.04	---	---
	Ant2	5320	22.44	5308.76	5331.20	---	---
	Ant3	5320	22.96	5308.64	5331.60	---	---
	Ant1	5500	23.64	5487.96	5511.60	---	---
	Ant2	5500	23.44	5488.68	5512.12	---	---
	Ant3	5500	22.28	5488.76	5511.04	---	---
	Ant1	5580	20.08	5569.88	5589.96	---	---
	Ant2	5580	19.84	5569.96	5589.80	---	---
	Ant3	5580	19.80	5570.04	5589.84	---	---
	Ant1	5700	22.12	5688.40	5710.52	---	---
	Ant2	5700	22.40	5688.00	5710.40	---	---
	Ant3	5700	22.24	5688.32	5710.56	---	---
	Ant1	5745	21.24	5734.76	5756.00	---	---
	Ant2	5745	21.56	5734.96	5756.52	---	---
	Ant3	5745	21.76	5734.84	5756.60	---	---
	Ant1	5785	20.16	5774.76	5794.92	---	---
	Ant2	5785	20.04	5774.84	5794.88	---	---
	Ant3	5785	19.80	5774.96	5794.76	---	---
	Ant1	5825	22.08	5813.56	5835.64	---	---
	Ant2	5825	22.64	5813.04	5835.68	---	---
	Ant3	5825	22.24	5813.04	5835.28	---	---
11N20MIMO	Ant1	5180	21.76	5169.32	5191.08	---	---
	Ant2	5180	21.80	5169.56	5191.36	---	---
	Ant3	5180	22.80	5168.36	5191.16	---	---
	Ant1	5200	21.44	5189.28	5210.72	---	---
	Ant2	5200	23.96	5187.32	5211.28	---	---
	Ant3	5200	22.28	5188.36	5210.64	---	---
	Ant1	5240	20.24	5229.88	5250.12	---	---
	Ant2	5240	20.04	5229.92	5249.96	---	---
	Ant3	5240	20.00	5229.96	5249.96	---	---
	Ant1	5260	20.28	5249.80	5270.08	---	---
	Ant2	5260	20.08	5249.96	5270.04	---	---
	Ant3	5260	20.08	5249.92	5270.00	---	---
	Ant1	5280	20.20	5269.88	5290.08	---	---
	Ant2	5280	20.16	5269.96	5290.12	---	---
	Ant3	5280	20.32	5269.76	5290.08	---	---
	Ant1	5320	21.56	5309.12	5330.68	---	---
	Ant2	5320	24.08	5307.28	5331.36	---	---
	Ant3	5320	22.36	5308.32	5330.68	---	---
	Ant1	5500	21.76	5489.24	5511.00	---	---

	Ant2	5500	24.64	5487.32	5511.96	---	---
	Ant3	5500	22.92	5488.36	5511.28	---	---
	Ant1	5580	20.08	5569.96	5590.04	---	---
	Ant2	5580	20.04	5569.96	5590.00	---	---
	Ant3	5580	20.28	5569.84	5590.12	---	---
	Ant1	5700	21.32	5689.16	5710.48	---	---
	Ant2	5700	23.36	5687.28	5710.64	---	---
	Ant3	5700	22.16	5688.36	5710.52	---	---
	Ant1	5745	21.04	5734.64	5755.68	---	---
	Ant2	5745	21.68	5734.68	5756.36	---	---
	Ant3	5745	21.08	5734.56	5755.64	---	---
	Ant1	5785	20.24	5774.76	5795.00	---	---
	Ant2	5785	20.00	5775.00	5795.00	---	---
	Ant3	5785	20.36	5774.64	5795.00	---	---
	Ant1	5825	21.36	5813.92	5835.28	---	---
	Ant2	5825	23.40	5812.28	5835.68	---	---
	Ant3	5825	22.24	5813.32	5835.56	---	---
11N40MIMO	Ant1	5190	42.08	5169.04	5211.12	---	---
	Ant2	5190	41.68	5169.60	5211.28	---	---
	Ant3	5190	40.48	5169.68	5210.16	---	---
	Ant1	5230	40.16	5209.92	5250.08	---	---
	Ant2	5230	40.00	5210.00	5250.00	---	---
	Ant3	5230	40.00	5209.92	5249.92	---	---
	Ant1	5270	40.24	5249.84	5290.08	---	---
	Ant2	5270	39.92	5250.00	5289.92	---	---
	Ant3	5270	40.00	5249.92	5289.92	---	---
	Ant1	5310	45.28	5285.04	5330.32	---	---
	Ant2	5310	40.40	5289.68	5330.08	---	---
	Ant3	5310	44.80	5285.36	5330.16	---	---
	Ant1	5510	45.36	5485.36	5530.72	---	---
	Ant2	5510	40.40	5489.60	5530.00	---	---
	Ant3	5510	40.56	5489.60	5530.16	---	---
	Ant1	5550	40.24	5529.76	5570.00	---	---
	Ant2	5550	40.08	5529.92	5570.00	---	---
	Ant3	5550	39.84	5529.92	5569.76	---	---
	Ant1	5670	45.28	5647.12	5692.40	---	---
	Ant2	5670	40.40	5649.68	5690.08	---	---
	Ant3	5670	41.28	5649.36	5690.64	---	---
	Ant1	5755	41.04	5734.68	5775.72	---	---
	Ant2	5755	40.40	5734.68	5775.08	---	---
	Ant3	5755	40.40	5734.84	5775.24	---	---
	Ant1	5795	40.24	5774.68	5814.92	---	---
	Ant2	5795	40.08	5774.84	5814.92	---	---
	Ant3	5795	39.92	5774.84	5814.76	---	---
11AC20MIMO	Ant1	5180	22.40	5169.28	5191.68	---	---
	Ant2	5180	21.56	5169.24	5190.80	---	---
	Ant3	5180	21.92	5169.56	5191.48	---	---
	Ant1	5200	21.28	5189.28	5210.56	---	---
	Ant2	5200	21.88	5188.84	5210.72	---	---
	Ant3	5200	21.96	5189.08	5211.04	---	---
	Ant1	5240	19.92	5230.00	5249.92	---	---
	Ant2	5240	19.88	5230.04	5249.92	---	---
	Ant3	5240	20.20	5229.88	5250.08	---	---
	Ant1	5260	20.40	5249.84	5270.24	---	---
	Ant2	5260	20.16	5249.92	5270.08	---	---
	Ant3	5260	21.52	5249.36	5270.88	---	---
	Ant1	5280	21.44	5269.08	5290.52	---	---
	Ant2	5280	21.76	5269.12	5290.88	---	---
	Ant3	5280	21.40	5269.24	5290.64	---	---
	Ant1	5320	21.48	5309.08	5330.56	---	---
	Ant2	5320	22.00	5308.96	5330.96	---	---
	Ant3	5320	21.40	5309.40	5330.80	---	---
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	Ant2	5500	21.60	5489.24	5510.84	---	---

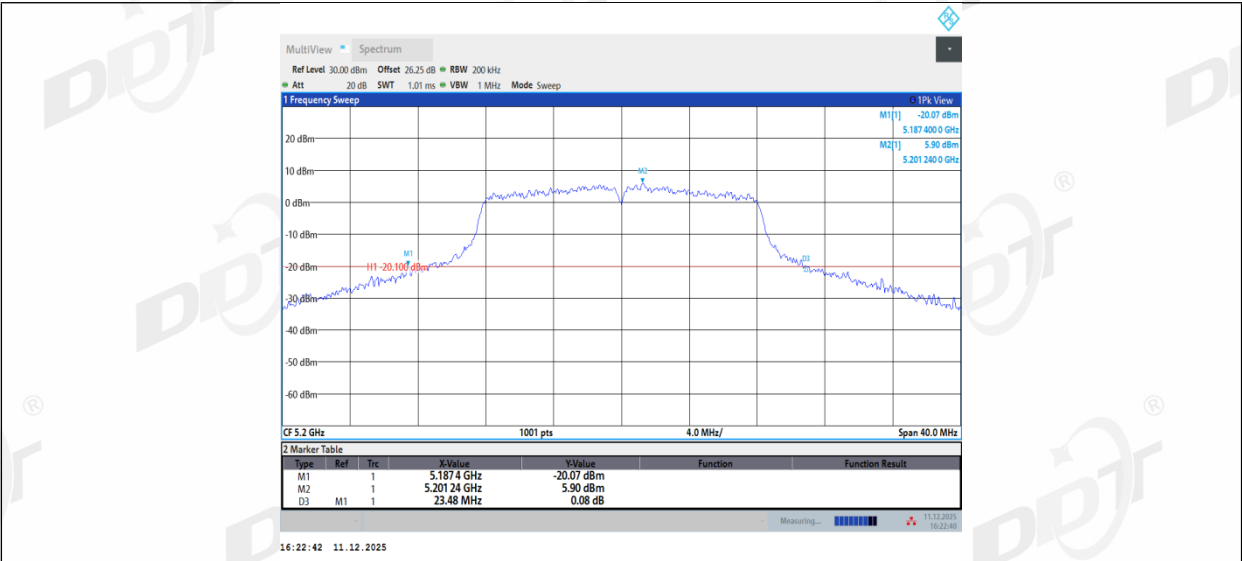
	Ant3	5500	21.28	5489.52	5510.80	---	---
	Ant1	5580	21.32	5569.16	5590.48	---	---
	Ant2	5580	21.92	5569.12	5591.04	---	---
	Ant3	5580	21.68	5569.20	5590.88	---	---
	Ant1	5700	21.24	5689.24	5710.48	---	---
	Ant2	5700	22.08	5688.96	5711.04	---	---
	Ant3	5700	21.36	5689.28	5710.64	---	---
	Ant1	5745	21.28	5734.16	5755.44	---	---
	Ant2	5745	21.72	5734.12	5755.84	---	---
	Ant3	5745	21.56	5734.28	5755.84	---	---
	Ant1	5785	21.48	5774.00	5795.48	---	---
	Ant2	5785	21.72	5774.12	5795.84	---	---
	Ant3	5785	21.40	5774.24	5795.64	---	---
	Ant1	5825	21.36	5814.16	5835.52	---	---
	Ant2	5825	22.00	5813.28	5835.28	---	---
11AC40MIMO	Ant3	5825	21.24	5814.04	5835.28	---	---
	Ant1	5190	41.52	5169.44	5210.96	---	---
	Ant2	5190	40.16	5169.92	5210.08	---	---
	Ant3	5190	40.64	5169.84	5210.48	---	---
	Ant1	5230	40.72	5209.60	5250.32	---	---
	Ant2	5230	39.92	5210.00	5249.92	---	---
	Ant3	5230	40.24	5209.84	5250.08	---	---
	Ant1	5270	40.32	5249.84	5290.16	---	---
	Ant2	5270	39.84	5249.92	5289.76	---	---
	Ant3	5270	40.00	5250.08	5290.08	---	---
	Ant1	5310	42.24	5289.28	5331.52	---	---
	Ant2	5310	40.48	5289.68	5330.16	---	---
	Ant3	5310	41.52	5289.52	5331.04	---	---
	Ant1	5510	42.48	5488.48	5530.96	---	---
	Ant2	5510	40.40	5489.68	5530.08	---	---
	Ant3	5510	41.04	5489.44	5530.48	---	---
	Ant1	5550	40.32	5529.76	5570.08	---	---
	Ant2	5550	39.92	5529.92	5569.84	---	---
	Ant3	5550	39.84	5529.92	5569.76	---	---
	Ant1	5670	48.16	5646.64	5694.80	---	---
	Ant2	5670	40.24	5649.92	5690.16	---	---
	Ant3	5670	40.80	5649.52	5690.32	---	---
	Ant1	5755	41.60	5734.60	5776.20	---	---
	Ant2	5755	40.56	5734.76	5775.32	---	---
	Ant3	5755	40.80	5734.68	5775.48	---	---
	Ant1	5795	40.48	5774.60	5815.08	---	---
	Ant2	5795	40.08	5774.84	5814.92	---	---
	Ant3	5795	40.08	5774.84	5814.92	---	---
11AC80MIMO	Ant1	5210	89.44	5167.76	5257.20	---	---
	Ant2	5210	79.36	5170.32	5249.68	---	---
	Ant3	5210	81.12	5168.72	5249.84	---	---
	Ant1	5290	93.44	5239.60	5333.04	---	---
	Ant2	5290	80.48	5249.52	5330.00	---	---
	Ant3	5290	84.32	5245.68	5330.00	---	---
	Ant1	5530	80.96	5488.72	5569.68	---	---
	Ant2	5530	81.44	5488.08	5569.52	---	---
	Ant3	5530	82.40	5487.44	5569.84	---	---
	Ant1	5610	79.84	5570.00	5649.84	---	---
	Ant2	5610	79.52	5570.16	5649.68	---	---
	Ant3	5610	79.36	5570.32	5649.68	---	---
	Ant1	5775	80.00	5734.84	5814.84	---	---
	Ant2	5775	79.20	5735.32	5814.52	---	---
	Ant3	5775	79.36	5735.16	5814.52	---	---
11AC160MIMO	Ant1	5250	163.84	5167.44	5331.28	---	---
	Ant2	5250	164.48	5168.72	5333.20	---	---
	Ant3	5250	167.68	5167.76	5335.44	---	---
	Ant1	5250_UNII-1	82.56	5167.44	5250	---	---
	Ant2	5250_UNII-1	81.28	5168.72	5250	---	---
	Ant3	5250_UNII-1	82.24	5167.76	5250	---	---

	Ant1	5250 UNII-2A	81.28	5250	5331.28	---	---
	Ant2	5250 UNII-2A	83.2	5250	5333.20	---	---
	Ant3	5250 UNII-2A	85.44	5250	5335.44	---	---
	Ant1	5570	166.08	5487.12	5653.20	---	---
	Ant2	5570	170.24	5485.52	5655.76	---	---
	Ant3	5570	166.08	5487.44	5653.52	---	---
11AX20MIMO	Ant1	5180	22.00	5169.16	5191.16	---	---
	Ant2	5180	22.24	5168.72	5190.96	---	---
	Ant3	5180	22.36	5169.08	5191.44	---	---
	Ant1	5200	21.52	5189.20	5210.72	---	---
	Ant2	5200	22.76	5188.96	5211.72	---	---
	Ant3	5200	21.88	5188.92	5210.80	---	---
	Ant1	5240	19.84	5230.04	5249.88	---	---
	Ant2	5240	19.88	5230.04	5249.92	---	---
	Ant3	5240	19.84	5230.04	5249.88	---	---
	Ant1	5260	21.32	5249.36	5270.68	---	---
	Ant2	5260	21.52	5249.16	5270.68	---	---
	Ant3	5260	21.08	5249.40	5270.48	---	---
	Ant1	5280	21.12	5269.36	5290.48	---	---
	Ant2	5280	21.68	5268.96	5290.64	---	---
	Ant3	5280	21.20	5269.36	5290.56	---	---
	Ant1	5320	21.76	5309.04	5330.80	---	---
	Ant2	5320	21.76	5309.04	5330.80	---	---
	Ant3	5320	24.24	5306.36	5330.60	---	---
	Ant1	5500	22.36	5488.80	5511.16	---	---
	Ant2	5500	24.32	5487.68	5512.00	---	---
	Ant3	5500	21.56	5489.08	5510.64	---	---
	Ant1	5580	21.28	5569.24	5590.52	---	---
	Ant2	5580	21.08	5569.32	5590.40	---	---
	Ant3	5580	21.16	5569.28	5590.44	---	---
	Ant1	5700	22.36	5688.40	5710.76	---	---
	Ant2	5700	23.04	5687.88	5710.92	---	---
	Ant3	5700	21.68	5689.00	5710.68	---	---
	Ant1	5745	21.80	5734.24	5756.04	---	---
	Ant2	5745	22.68	5734.12	5756.80	---	---
	Ant3	5745	21.48	5734.20	5755.68	---	---
	Ant1	5785	21.04	5774.36	5795.40	---	---
	Ant2	5785	21.44	5774.16	5795.60	---	---
	Ant3	5785	21.04	5774.28	5795.32	---	---
	Ant1	5825	22.36	5813.40	5835.76	---	---
	Ant2	5825	23.12	5812.76	5835.88	---	---
	Ant3	5825	21.72	5813.92	5835.64	---	---
11AX40MIMO	Ant1	5190	40.40	5169.44	5209.84	---	---
	Ant2	5190	39.76	5170.00	5209.76	---	---
	Ant3	5190	39.60	5170.16	5209.76	---	---
	Ant1	5230	39.52	5210.24	5249.76	---	---
	Ant2	5230	39.84	5210.08	5249.92	---	---
	Ant3	5230	39.60	5210.16	5249.76	---	---
	Ant1	5270	39.52	5250.24	5289.76	---	---
	Ant2	5270	39.68	5250.16	5289.84	---	---
	Ant3	5270	39.52	5250.24	5289.76	---	---
	Ant1	5310	41.20	5288.88	5330.08	---	---
	Ant2	5310	44.24	5285.68	5329.92	---	---
	Ant3	5310	39.60	5290.16	5329.76	---	---
	Ant1	5510	40.72	5489.44	5530.16	---	---
	Ant2	5510	39.92	5490.16	5530.08	---	---
	Ant3	5510	41.28	5488.56	5529.84	---	---
	Ant1	5550	39.44	5530.24	5569.68	---	---
	Ant2	5550	39.60	5530.16	5569.76	---	---
	Ant3	5550	39.52	5530.16	5569.68	---	---
	Ant1	5670	42.96	5646.96	5689.92	---	---
	Ant2	5670	41.52	5648.32	5689.84	---	---
	Ant3	5670	40.64	5649.20	5689.84	---	---
	Ant1	5755	40.96	5735.16	5776.12	---	---

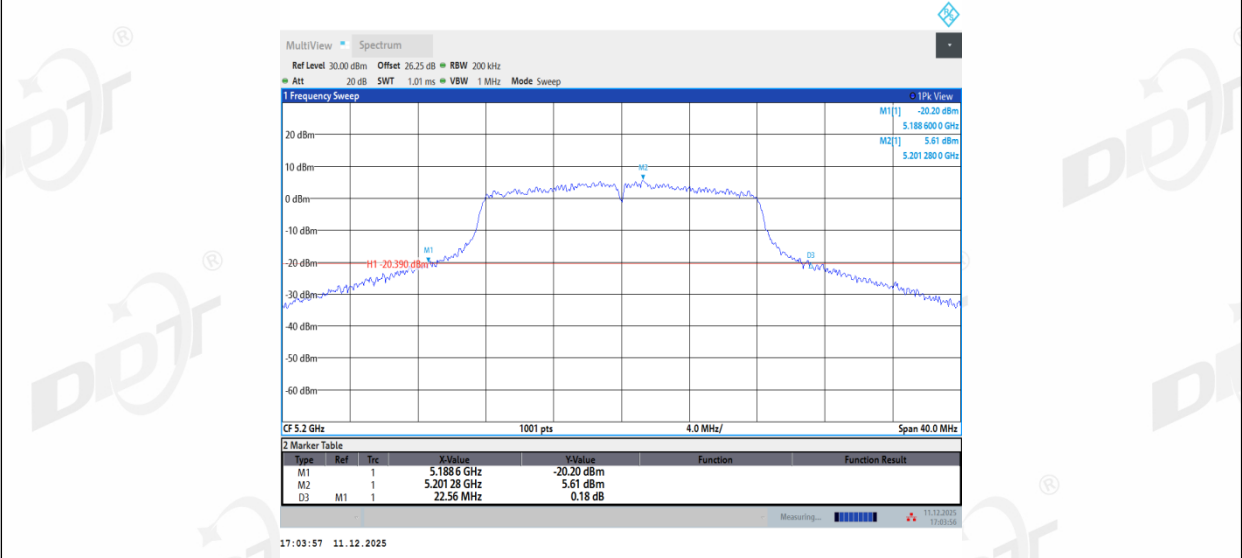
	Ant2	5755	42.24	5735.16	5777.40	---	---
	Ant3	5755	40.64	5735.16	5775.80	---	---
	Ant1	5795	39.60	5775.16	5814.76	---	---
	Ant2	5795	39.44	5775.24	5814.68	---	---
	Ant3	5795	39.52	5775.16	5814.68	---	---
11AX80MIMO	Ant1	5210	80.32	5170.00	5250.32	---	---
	Ant2	5210	80.16	5170.00	5250.16	---	---
	Ant3	5210	80.16	5169.84	5250.00	---	---
	Ant1	5290	80.32	5249.84	5330.16	---	---
	Ant2	5290	80.48	5249.84	5330.32	---	---
	Ant3	5290	80.64	5249.68	5330.32	---	---
	Ant1	5530	80.48	5489.68	5570.16	---	---
	Ant2	5530	80.32	5489.84	5570.16	---	---
	Ant3	5530	80.16	5489.84	5570.00	---	---
	Ant1	5610	80.32	5569.84	5650.16	---	---
	Ant2	5610	80.32	5569.84	5650.16	---	---
	Ant3	5610	80.16	5570.00	5650.16	---	---
	Ant1	5775	80.00	5734.84	5814.84	---	---
	Ant2	5775	80.16	5734.84	5815.00	---	---
	Ant3	5775	80.00	5734.84	5814.84	---	---
11AX160MIMO O	Ant1	5250	162.56	5168.72	5331.28	---	---
	Ant2	5250	172.48	5164.24	5336.72	---	---
	Ant3	5250	162.88	5168.40	5331.28	---	---
	Ant1	5250_UNII-1	81.28	5168.72	5250	---	---
	Ant2	5250_UNII-1	85.76	5164.24	5250	---	---
	Ant3	5250_UNII-1	81.6	5168.40	5250	---	---
	Ant1	5250_UNII-2A	81.28	5250	5331.28	---	---
	Ant2	5250_UNII-2A	86.72	5250	5336.72	---	---
	Ant3	5250_UNII-2A	81.28	5250	5331.28	---	---
	Ant1	5570	166.72	5485.52	5652.24	---	---
	Ant2	5570	169.28	5486.16	5655.44	---	---
	Ant3	5570	163.20	5488.08	5651.28	---	---

4.5. Test graphs

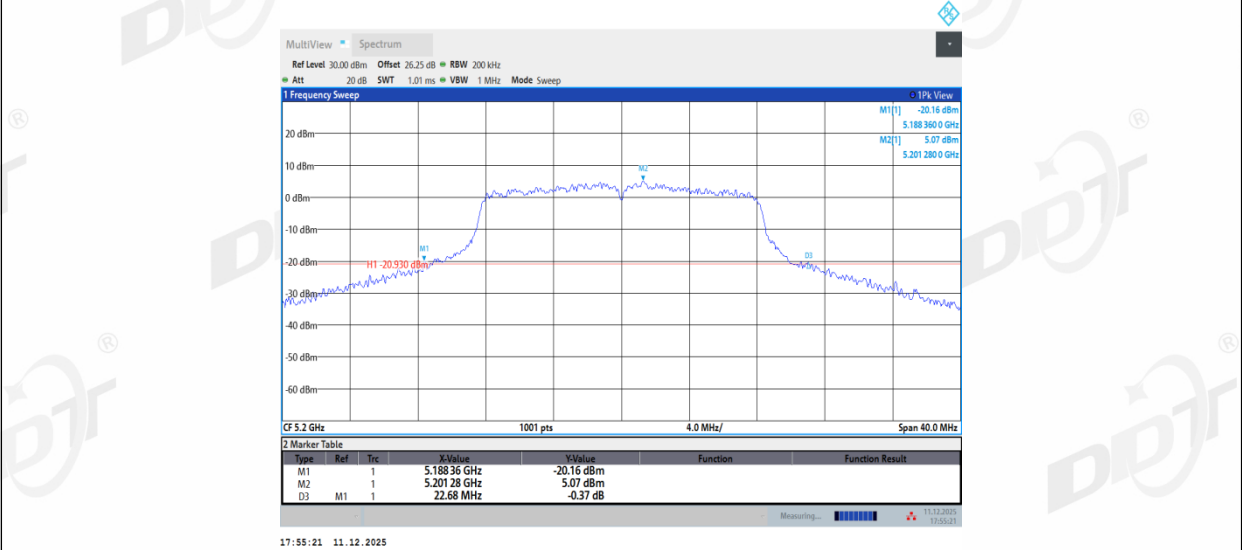




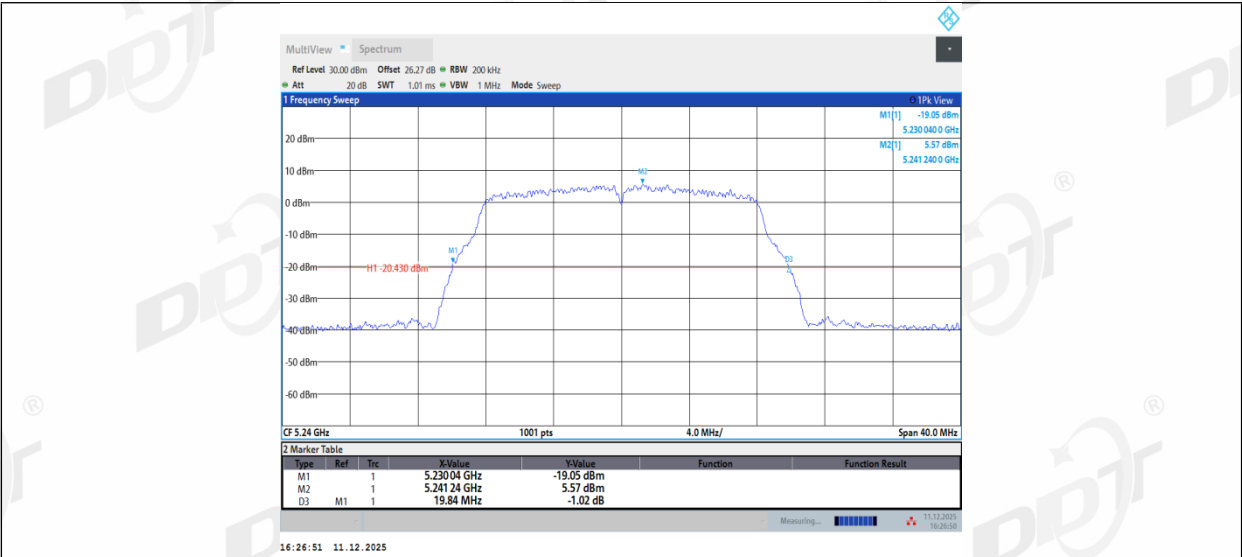
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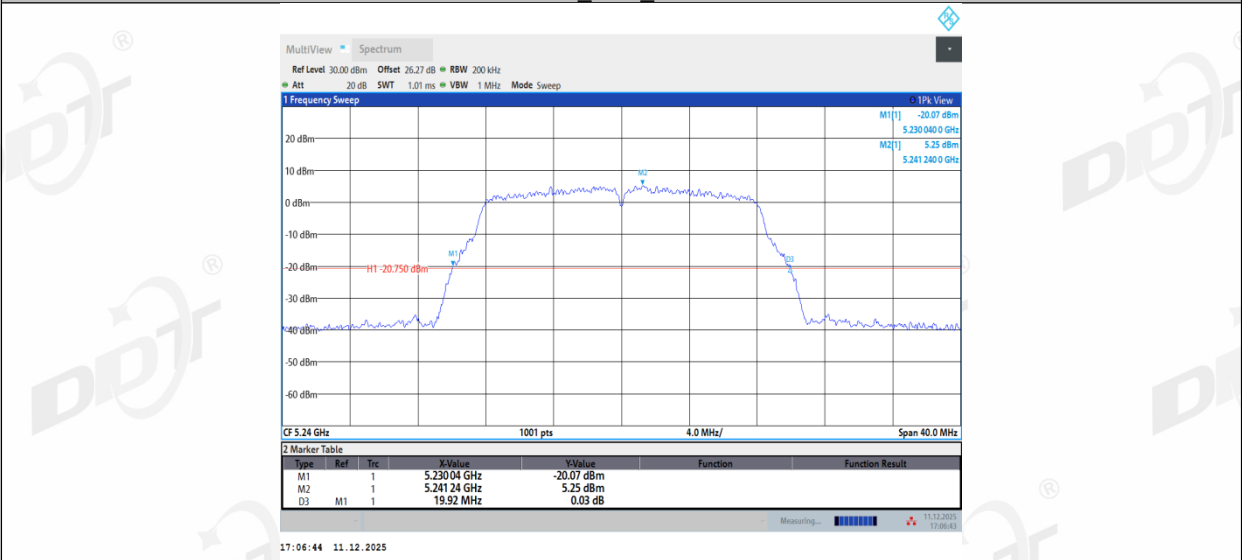
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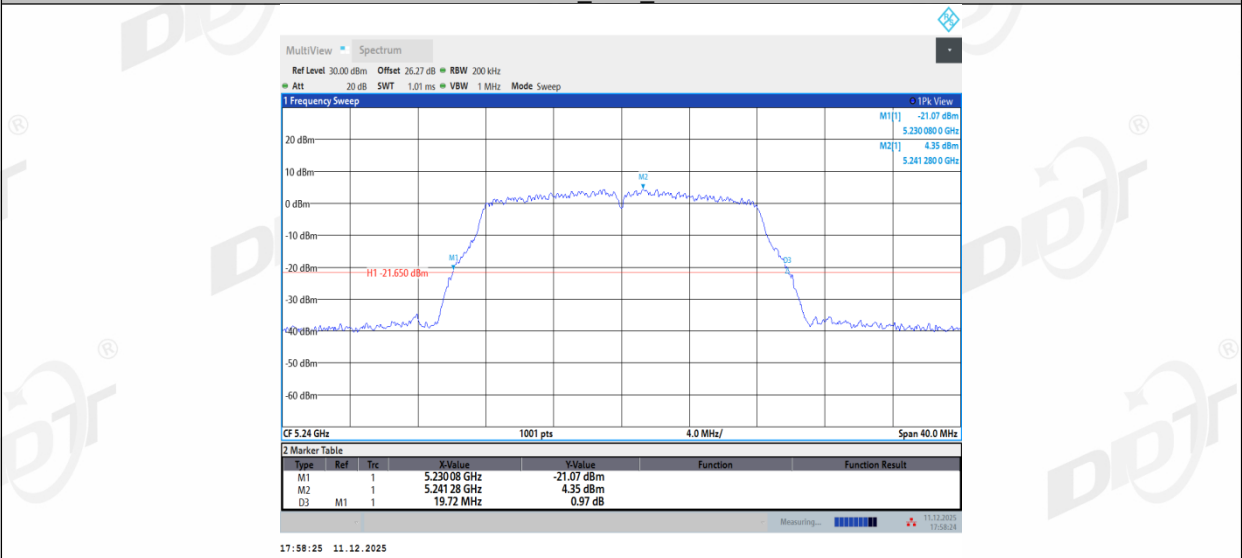
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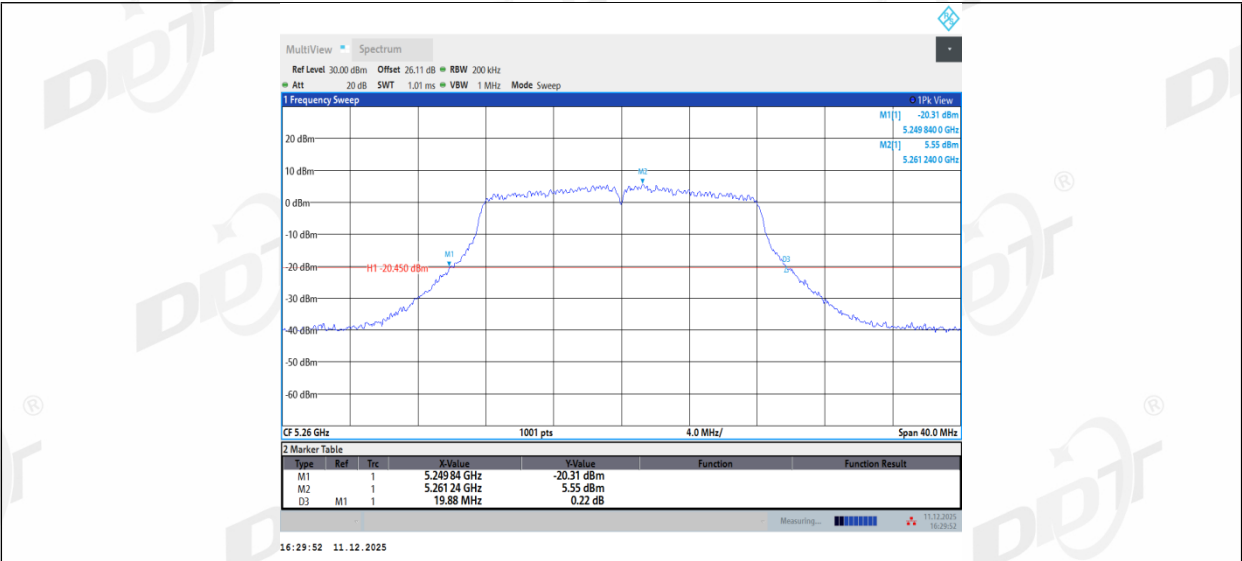
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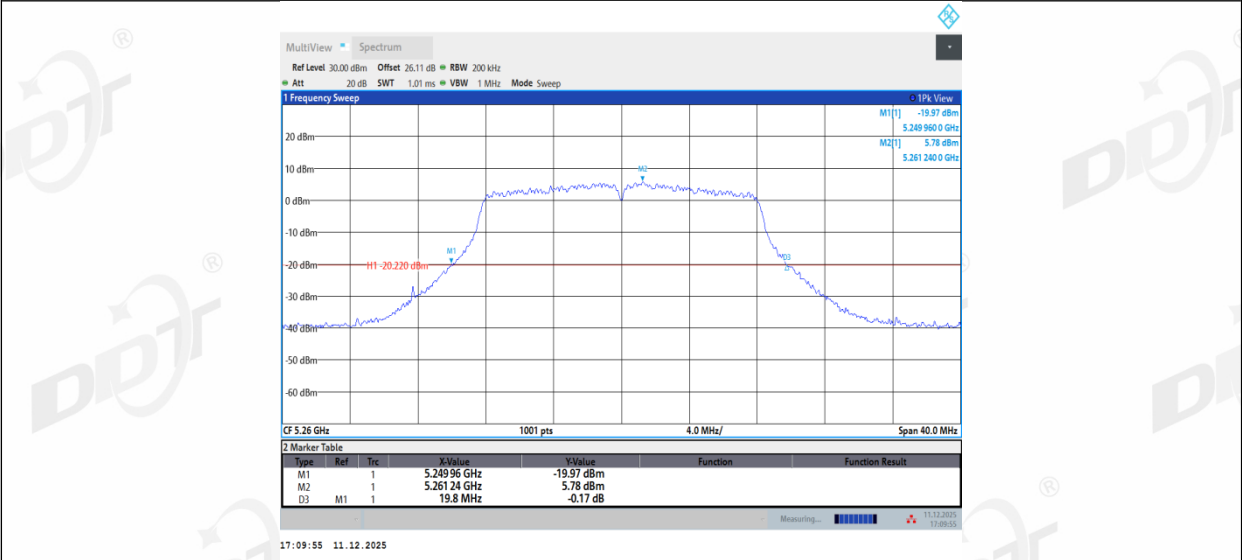
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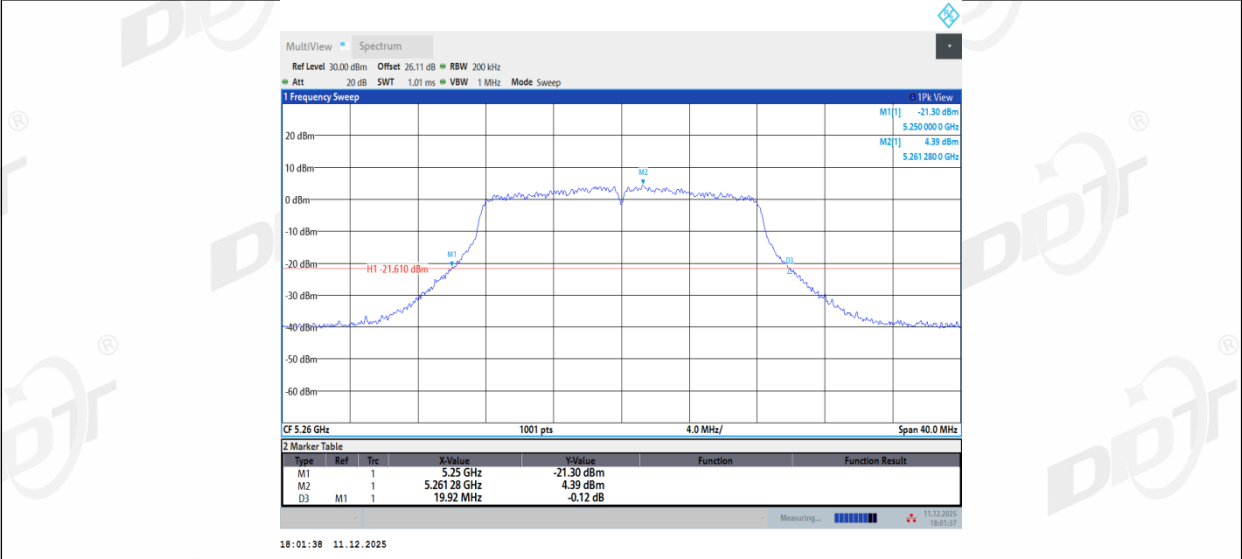
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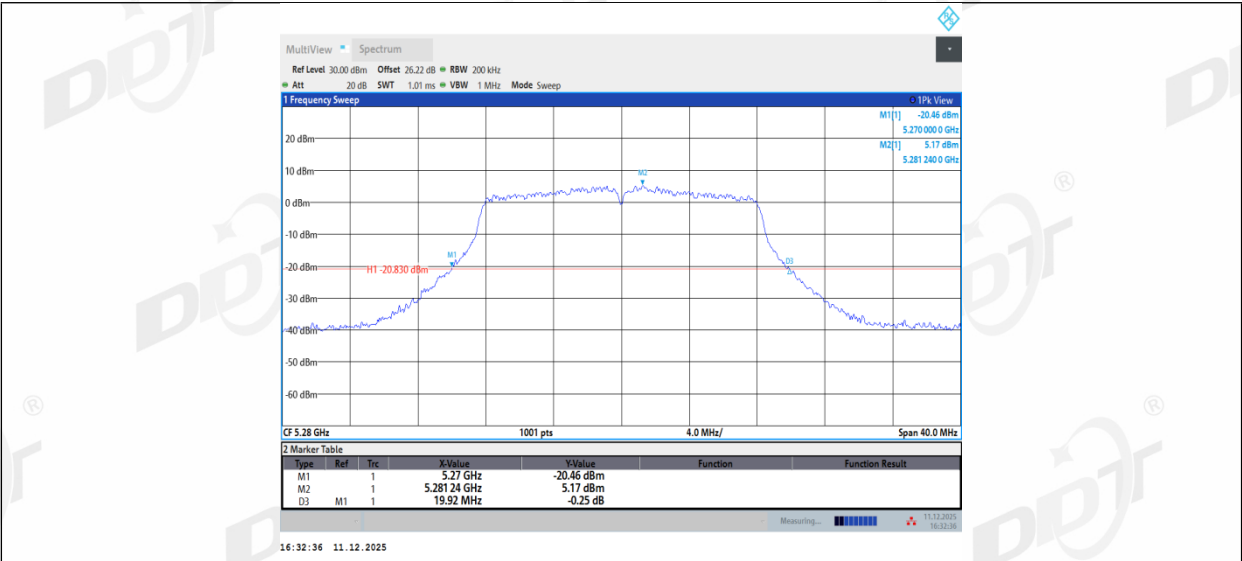
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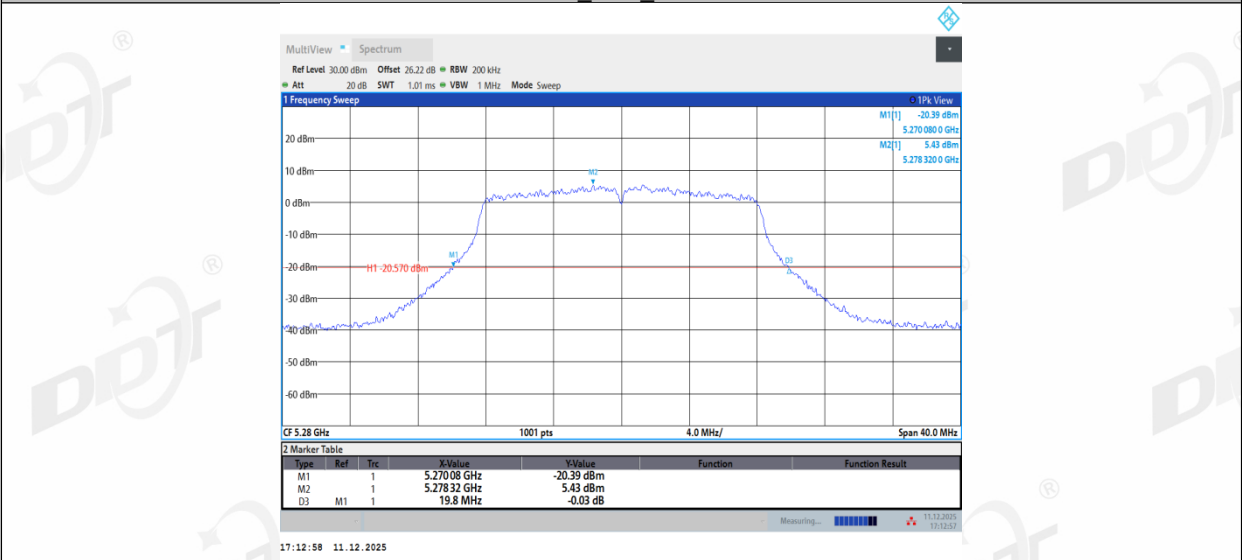
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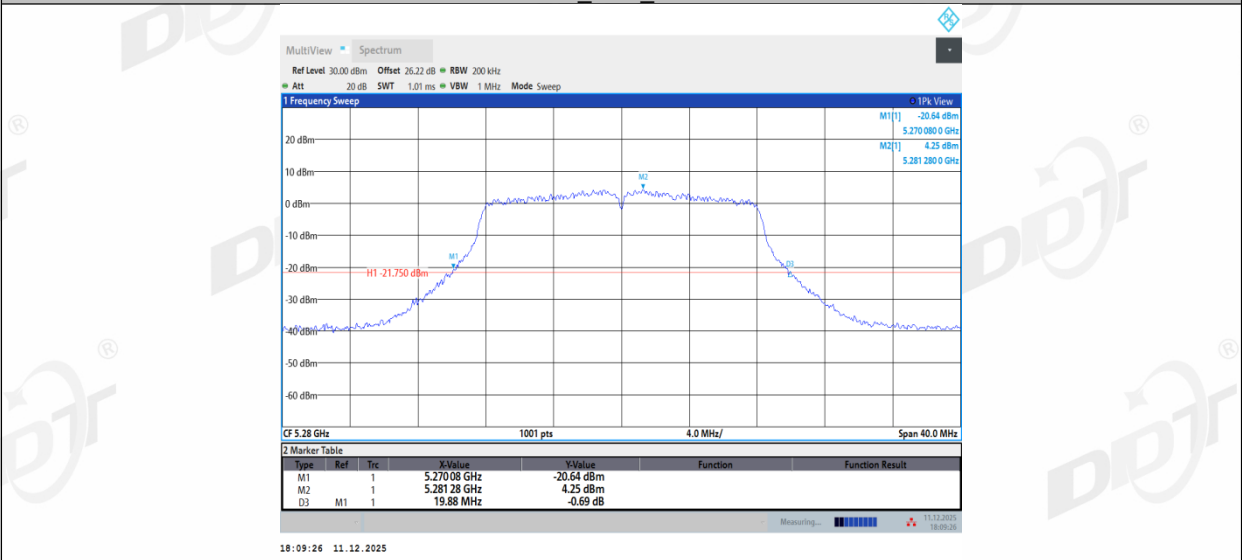
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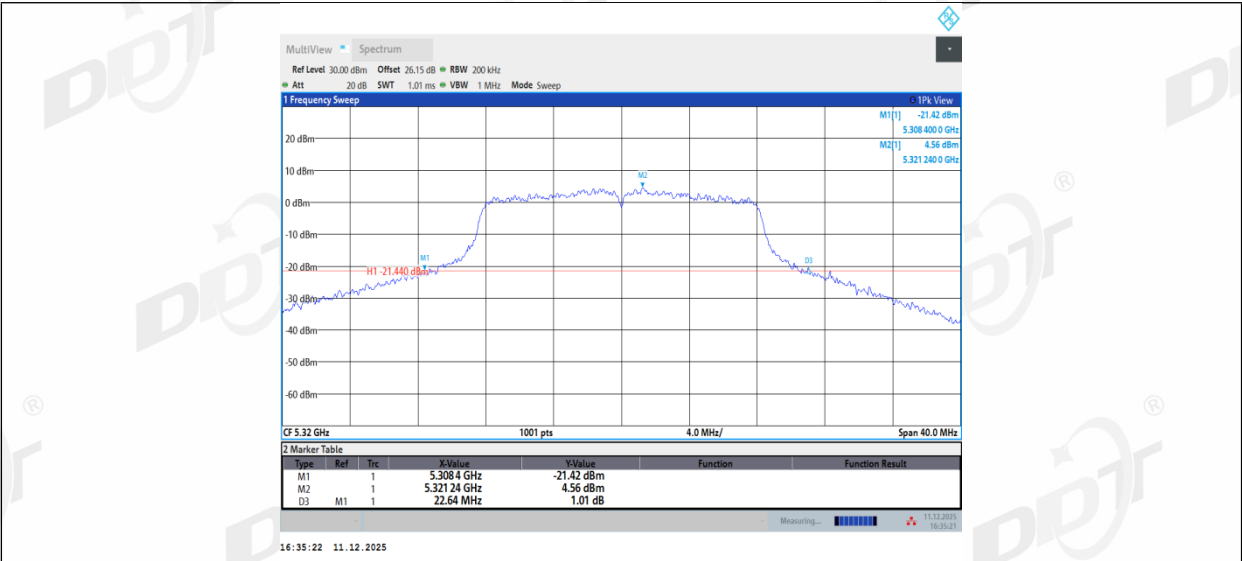
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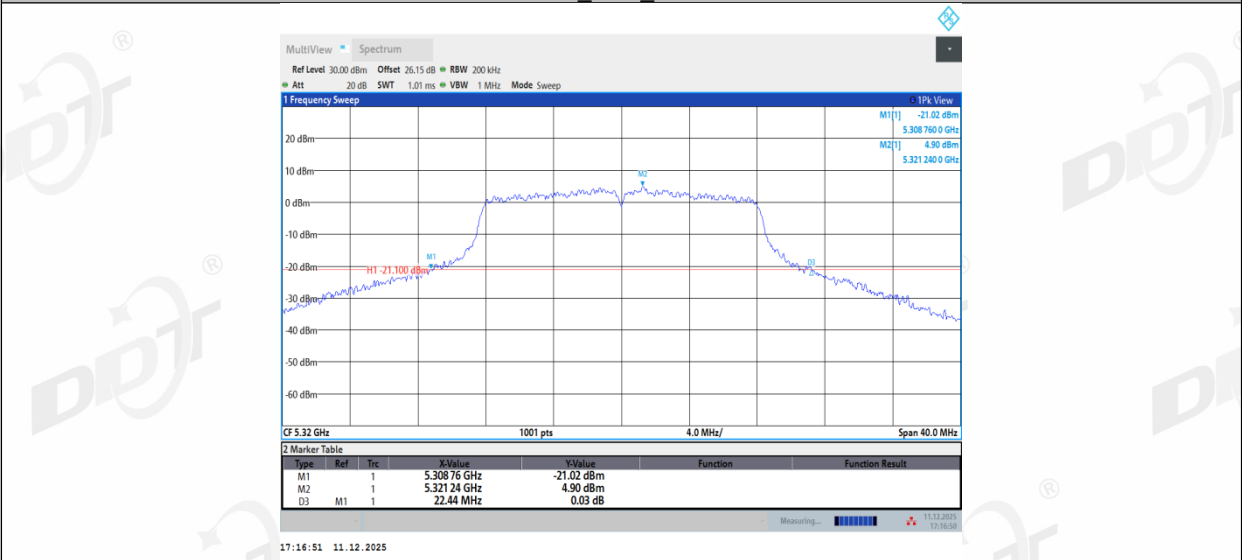
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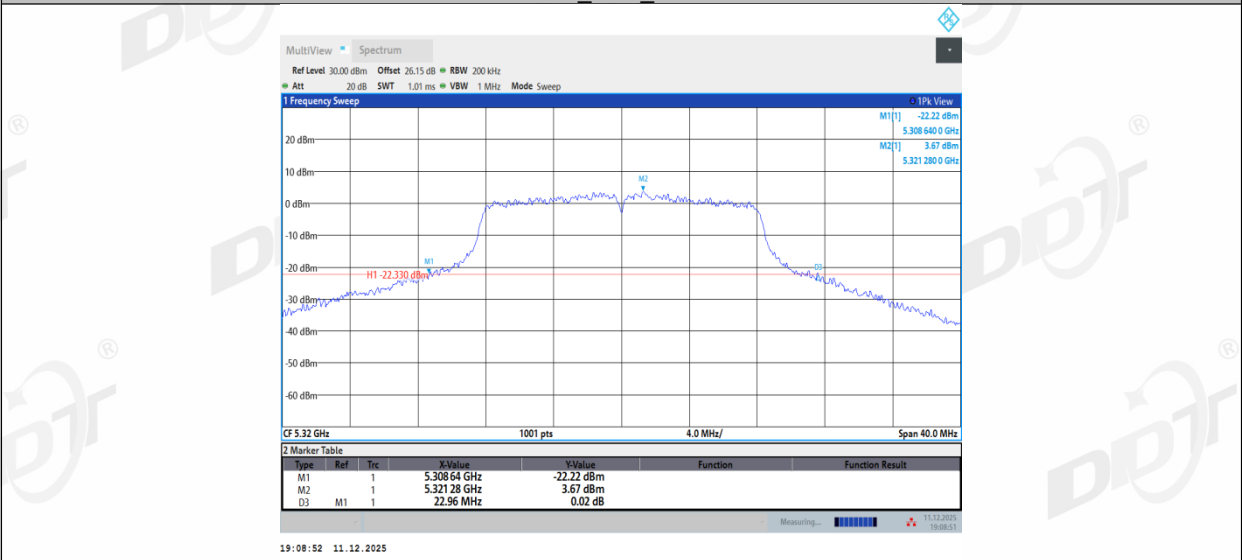
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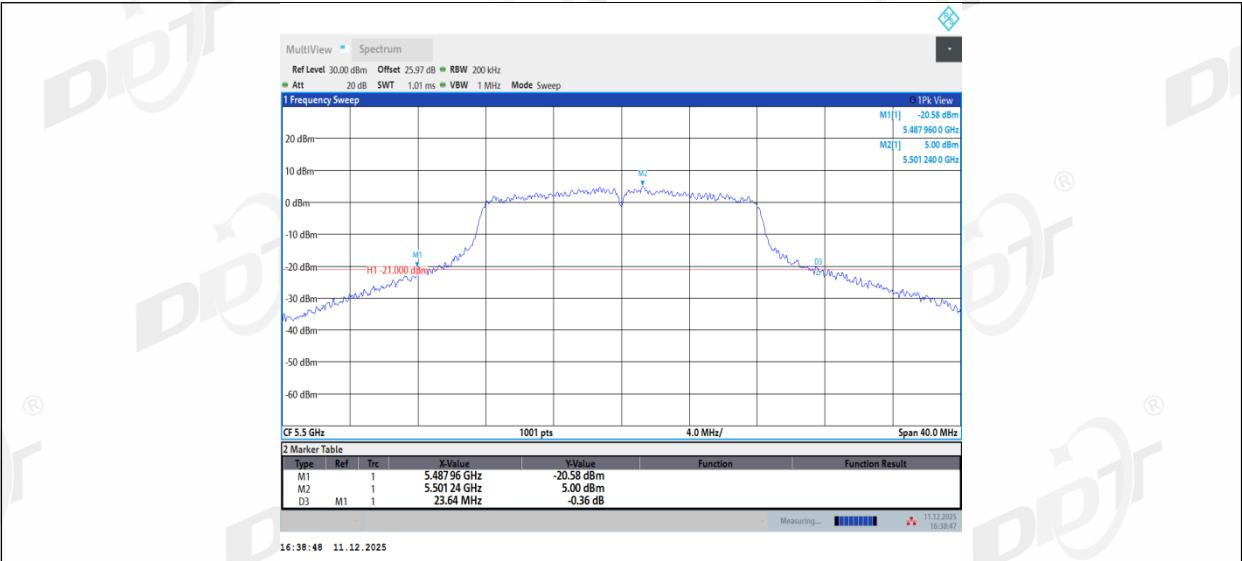
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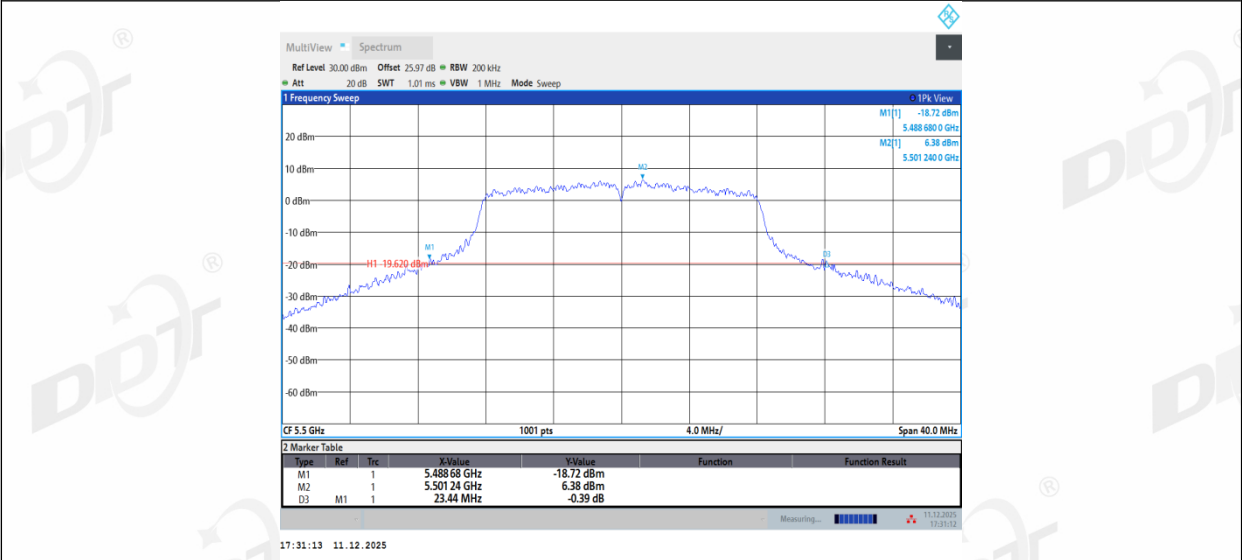
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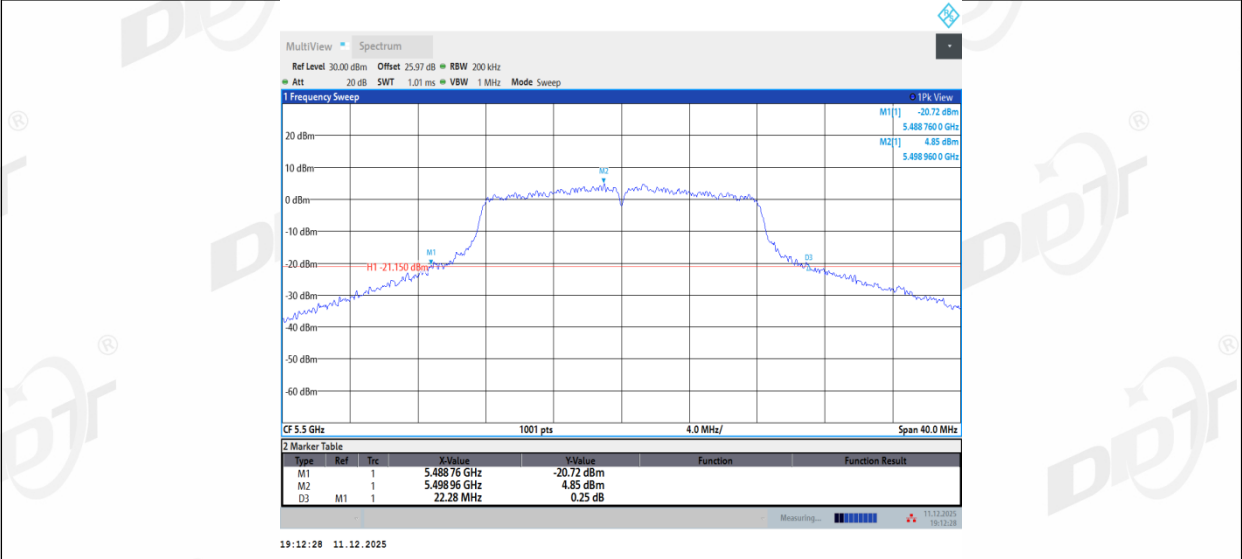
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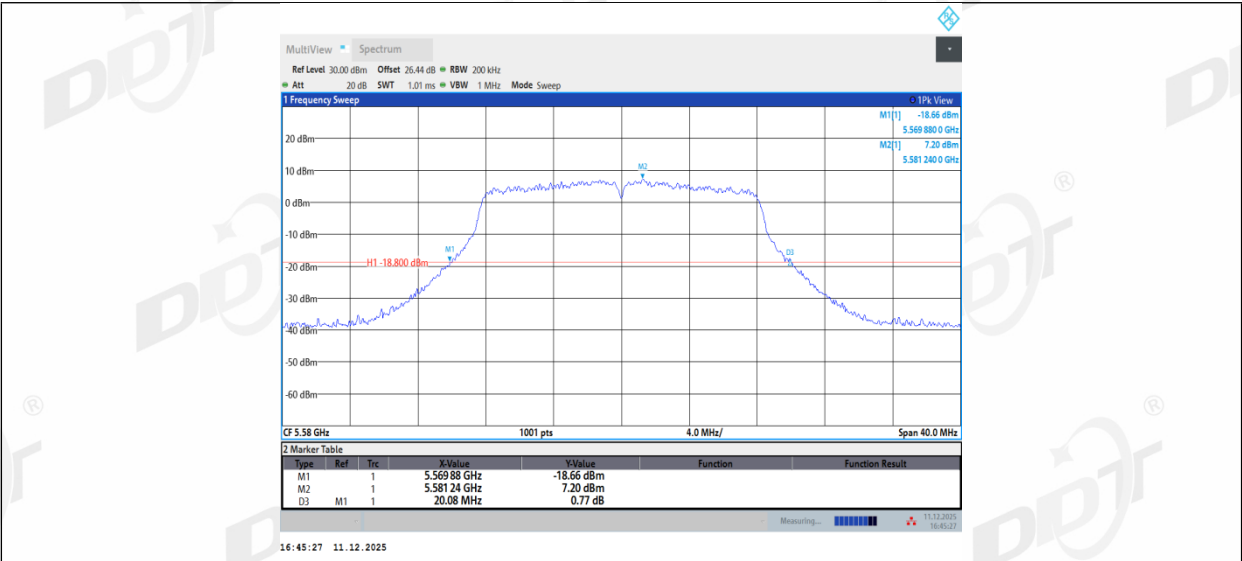
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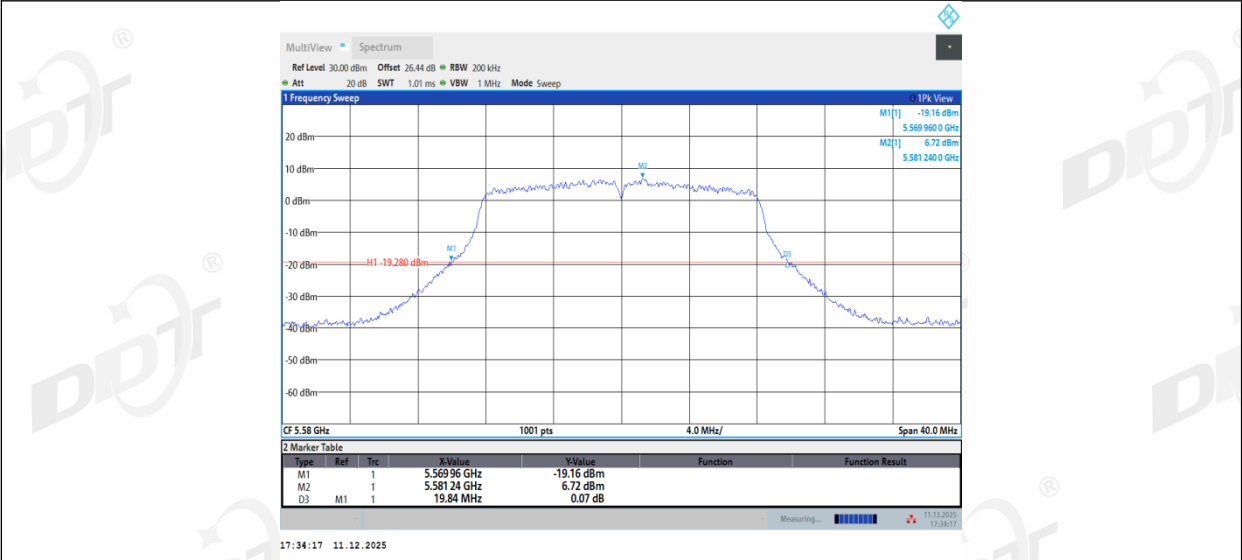
11A_Ant3_5500



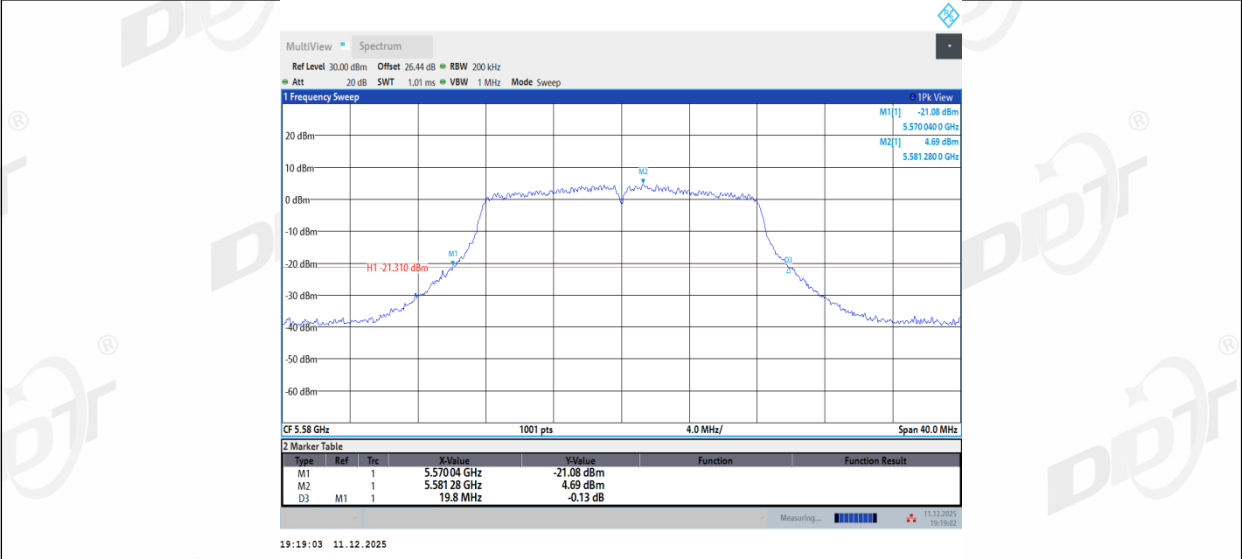
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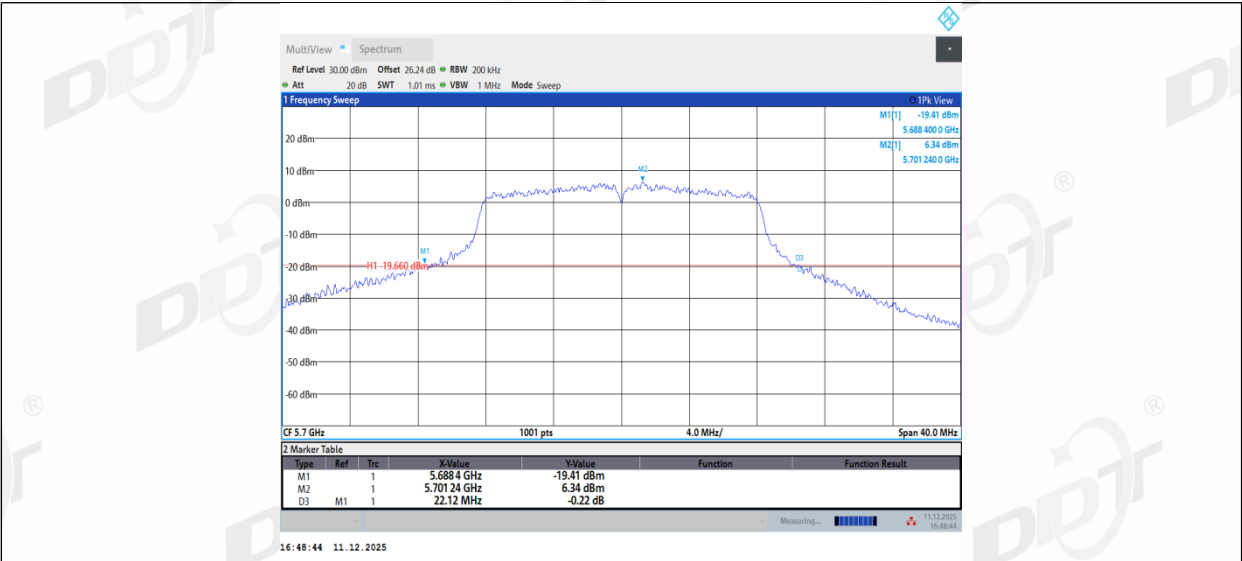
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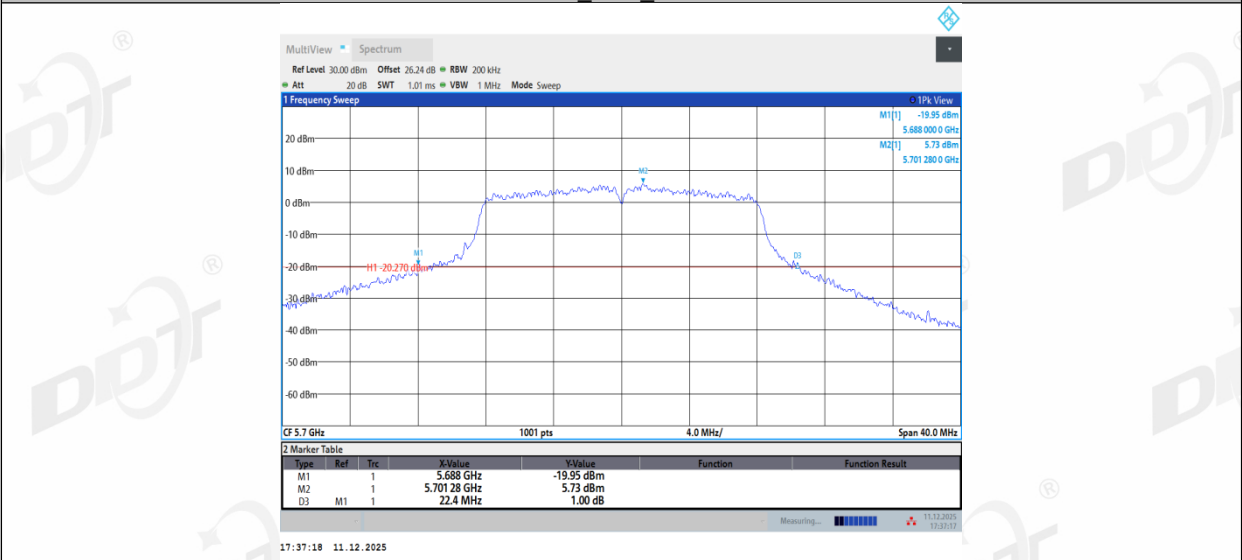
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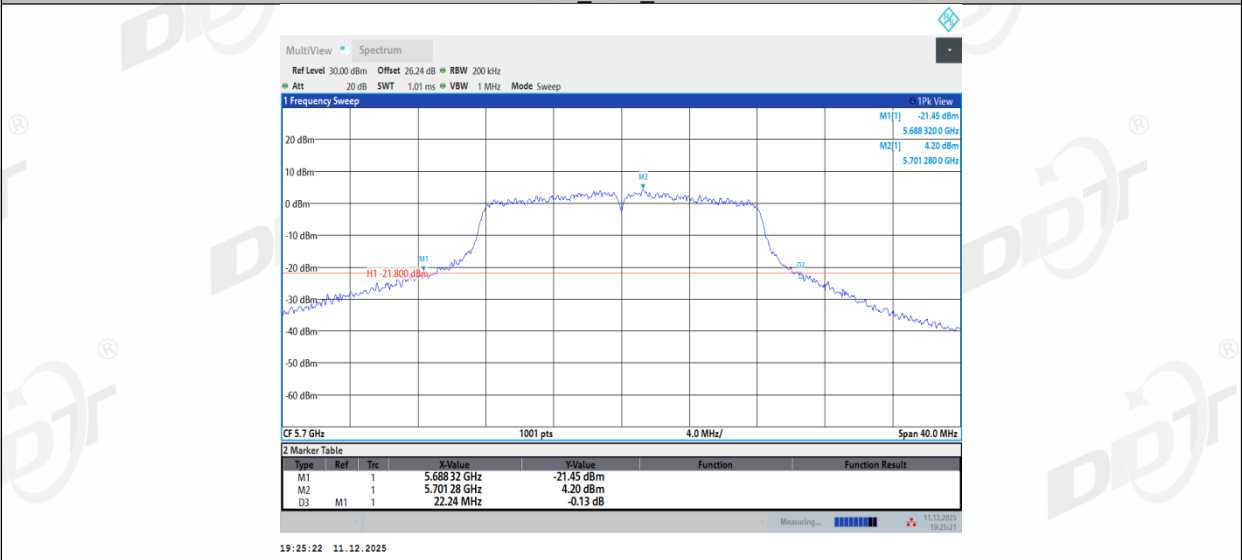
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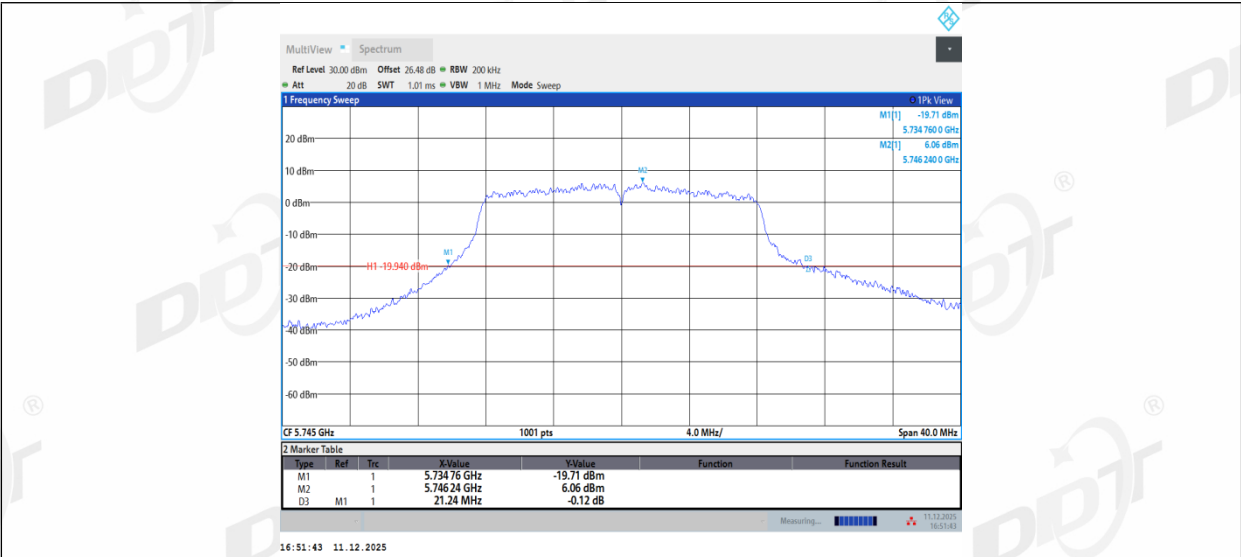
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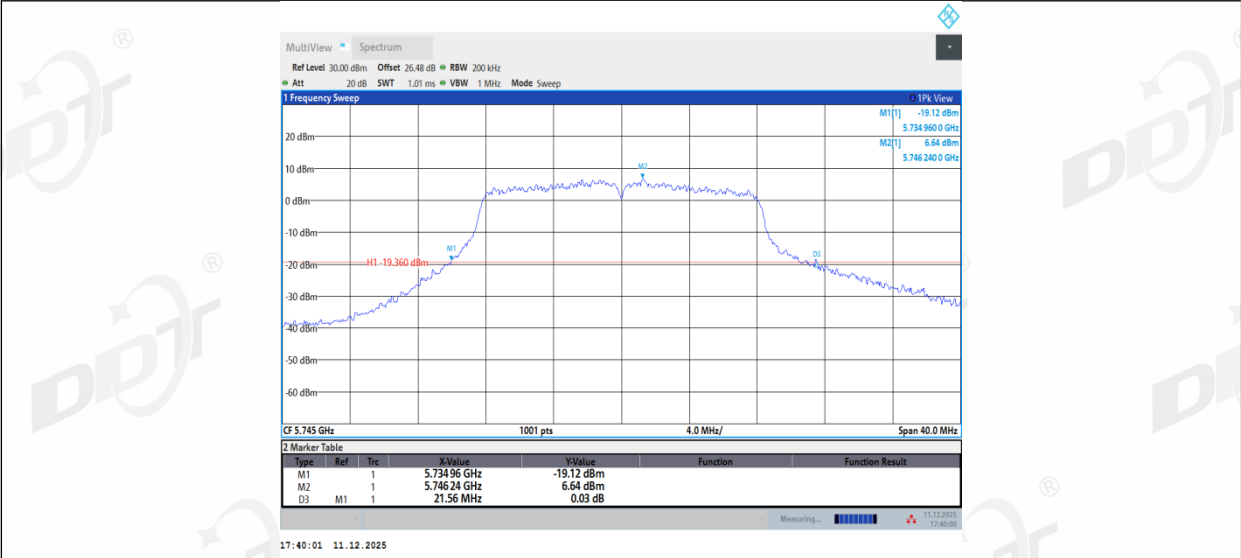
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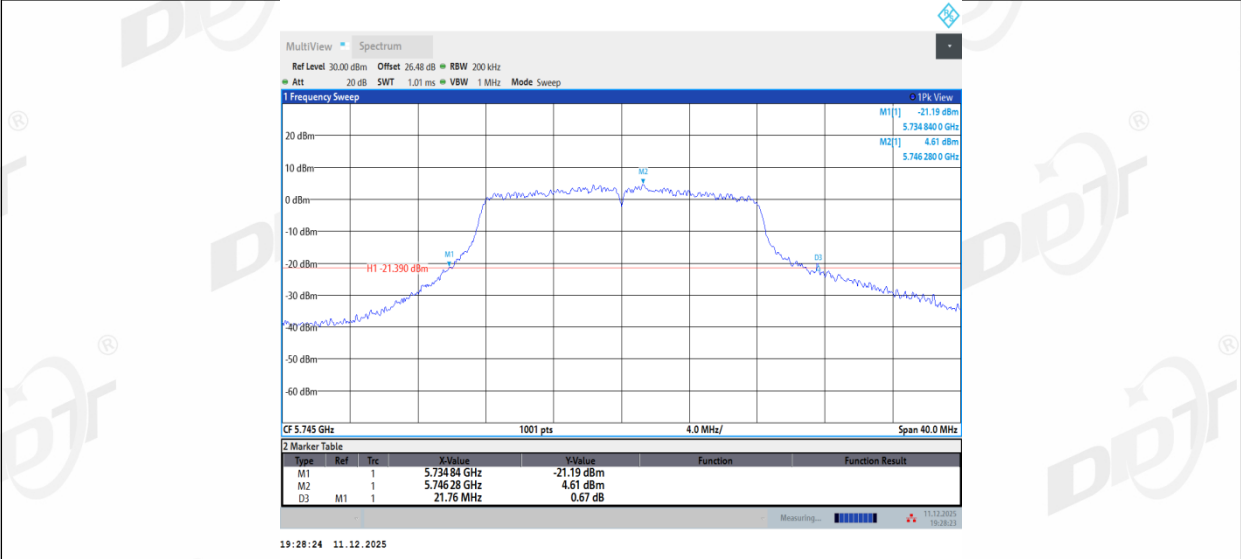
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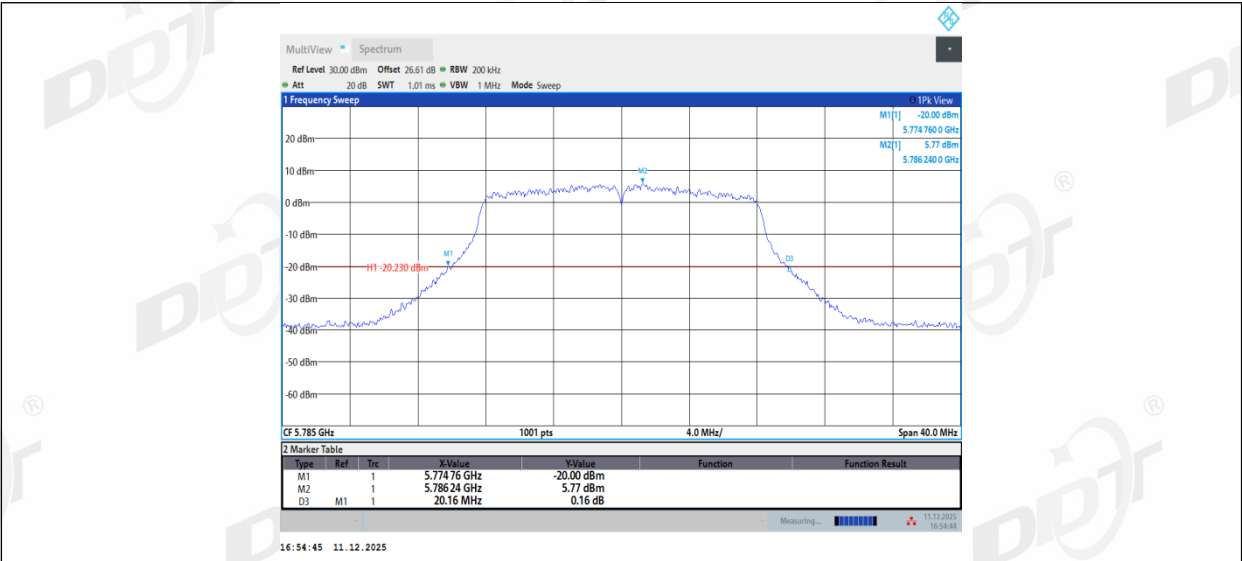
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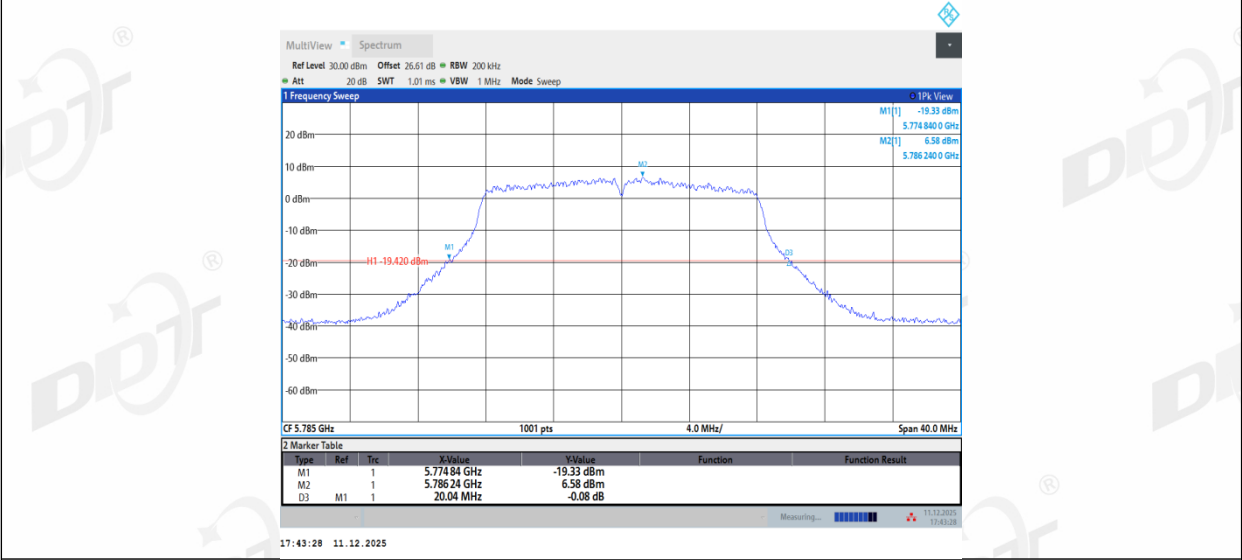
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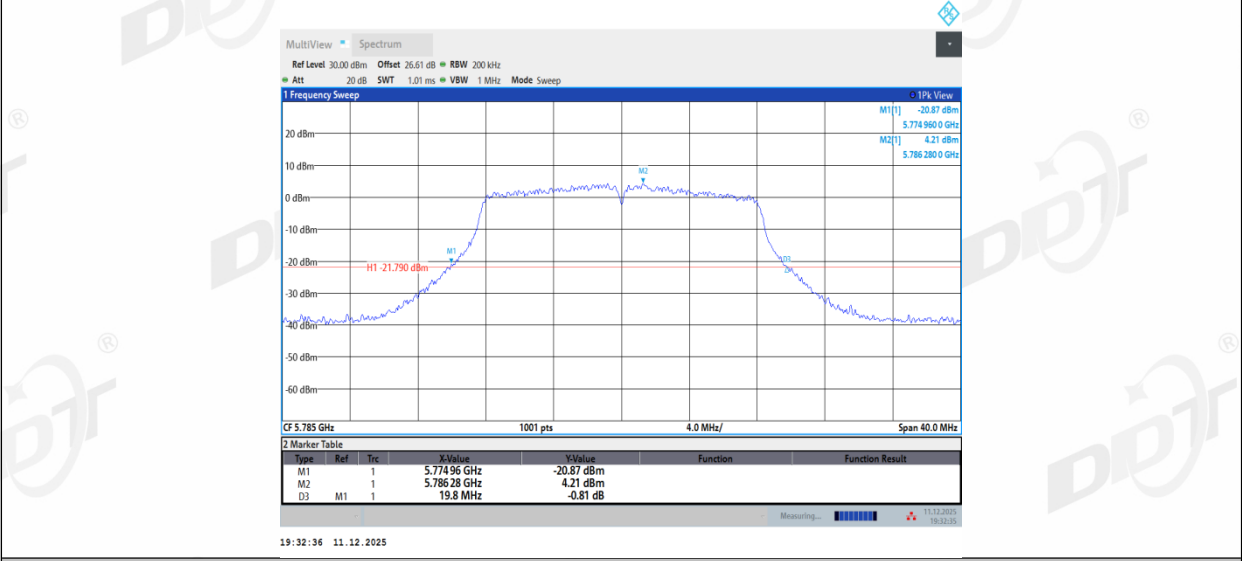
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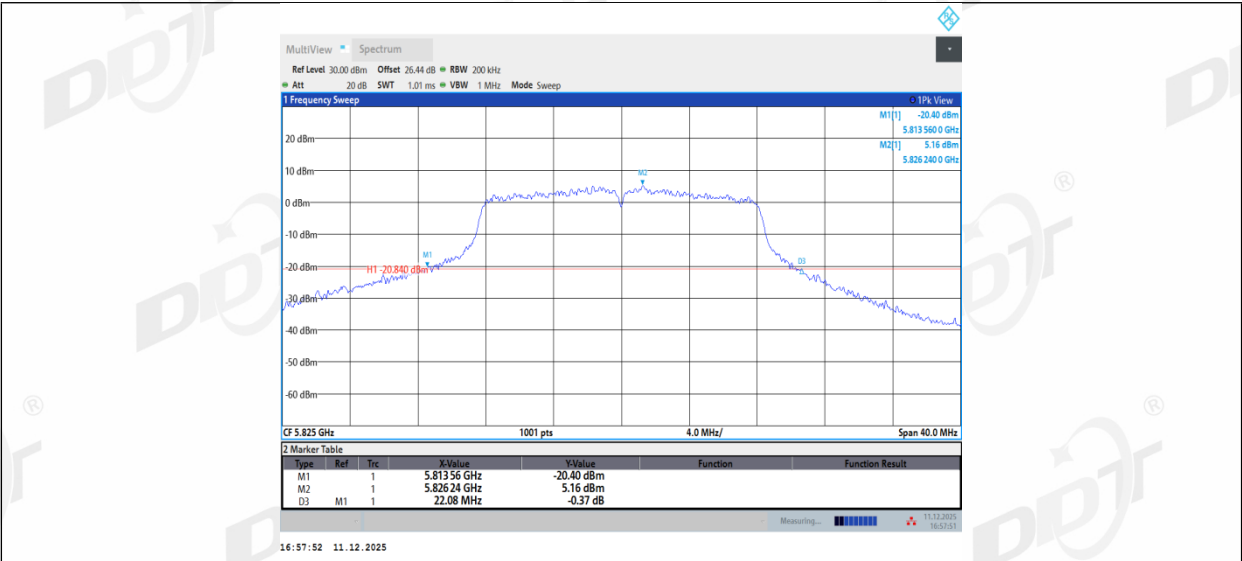
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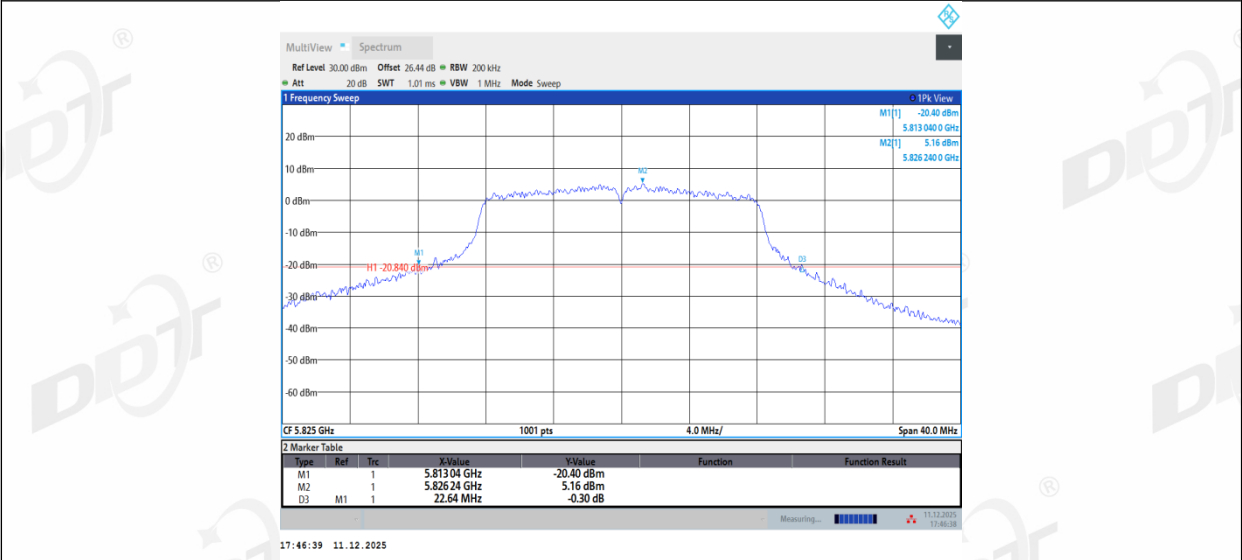
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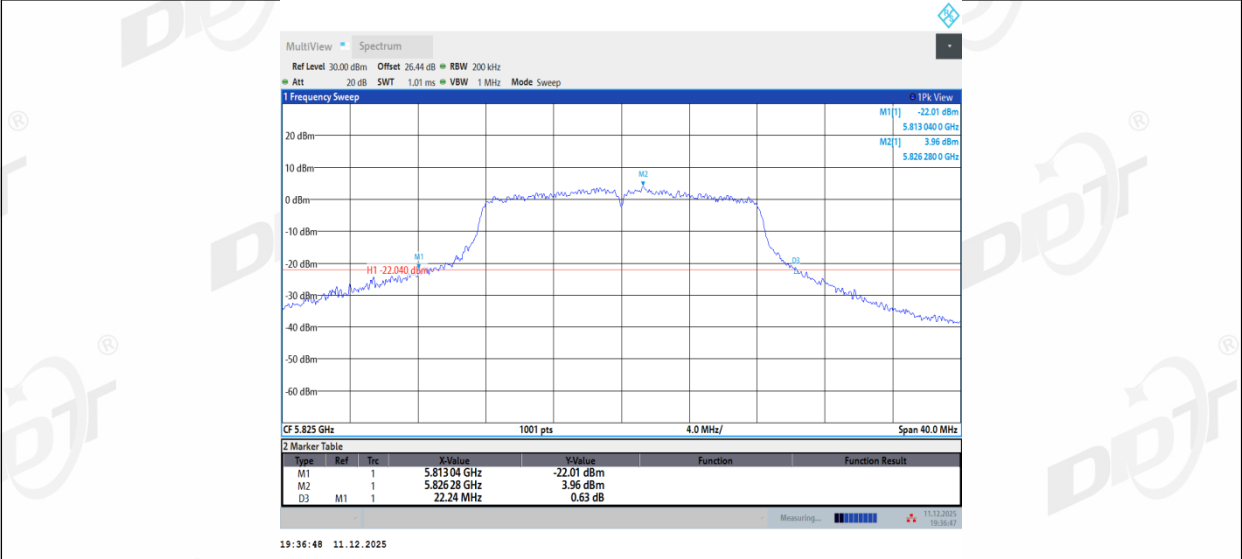
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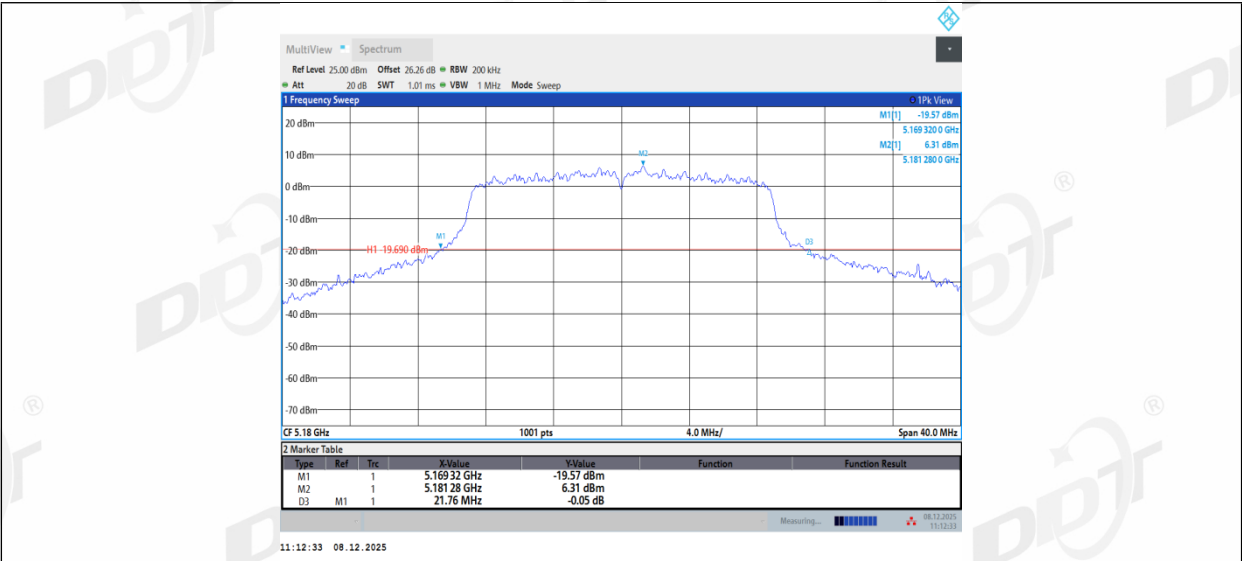
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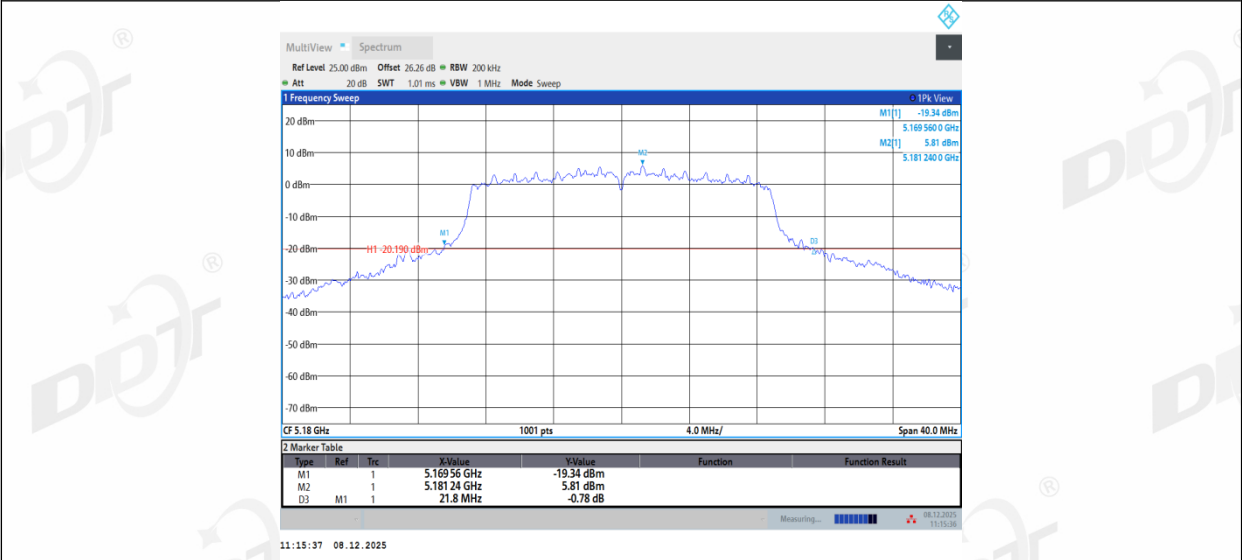
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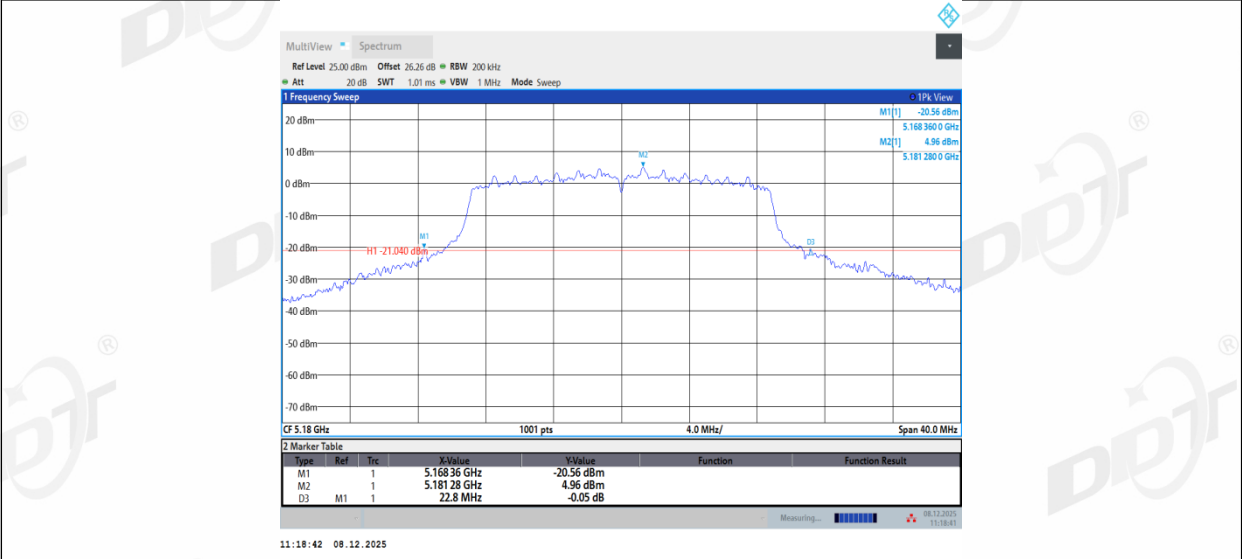
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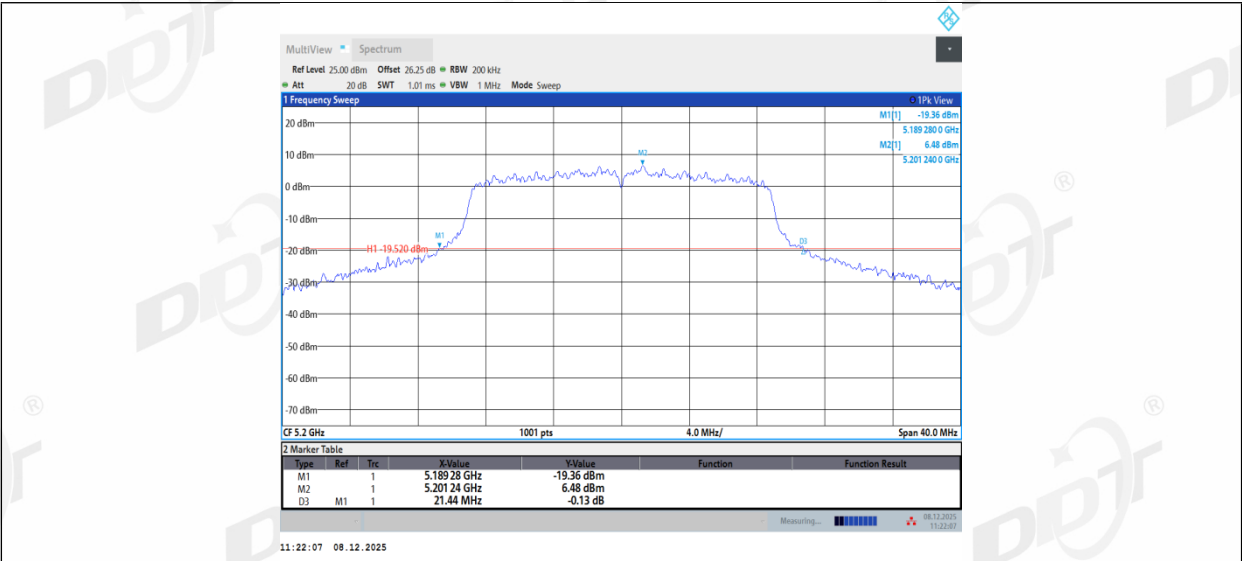
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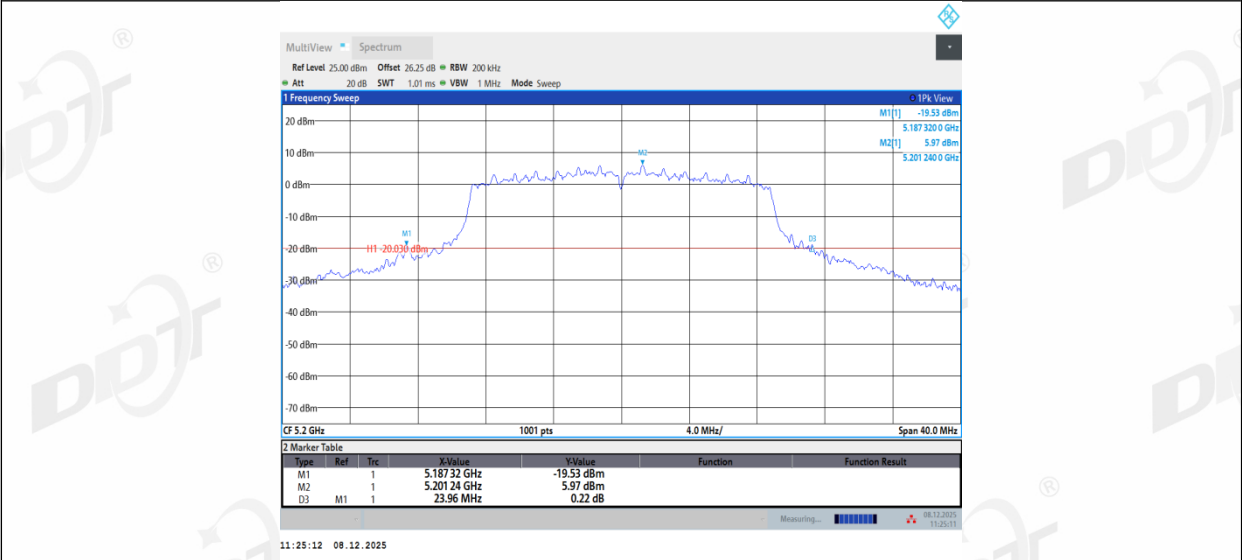
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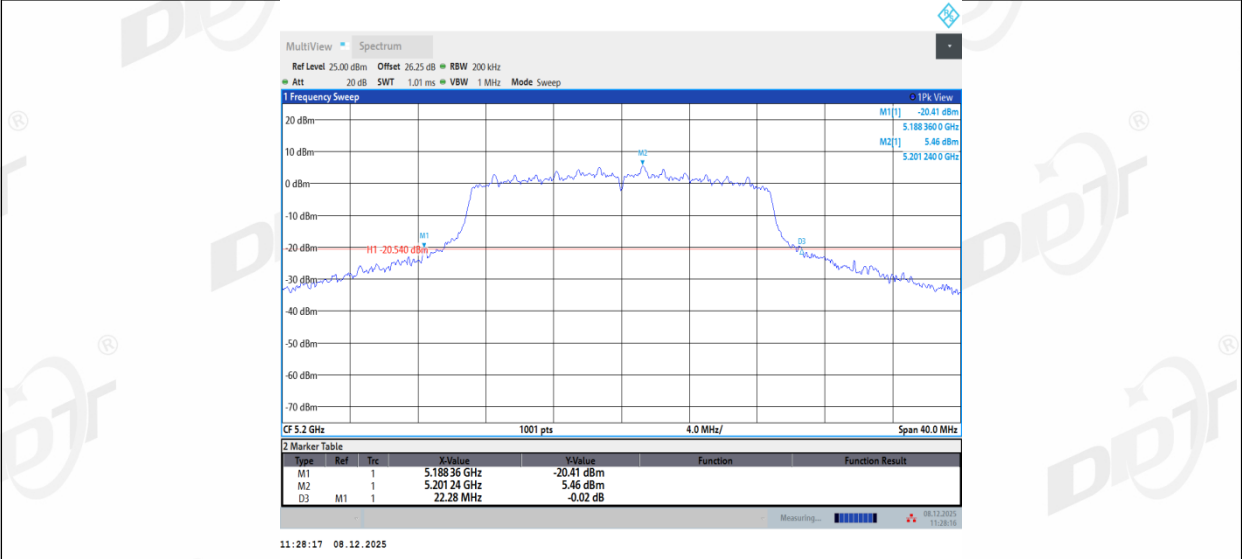
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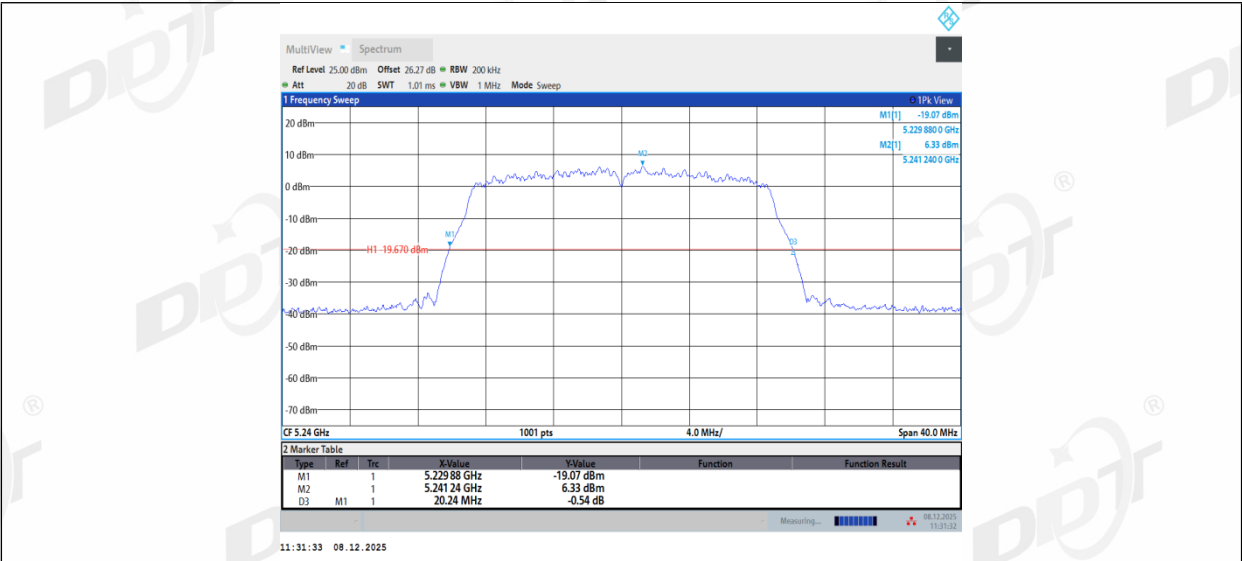
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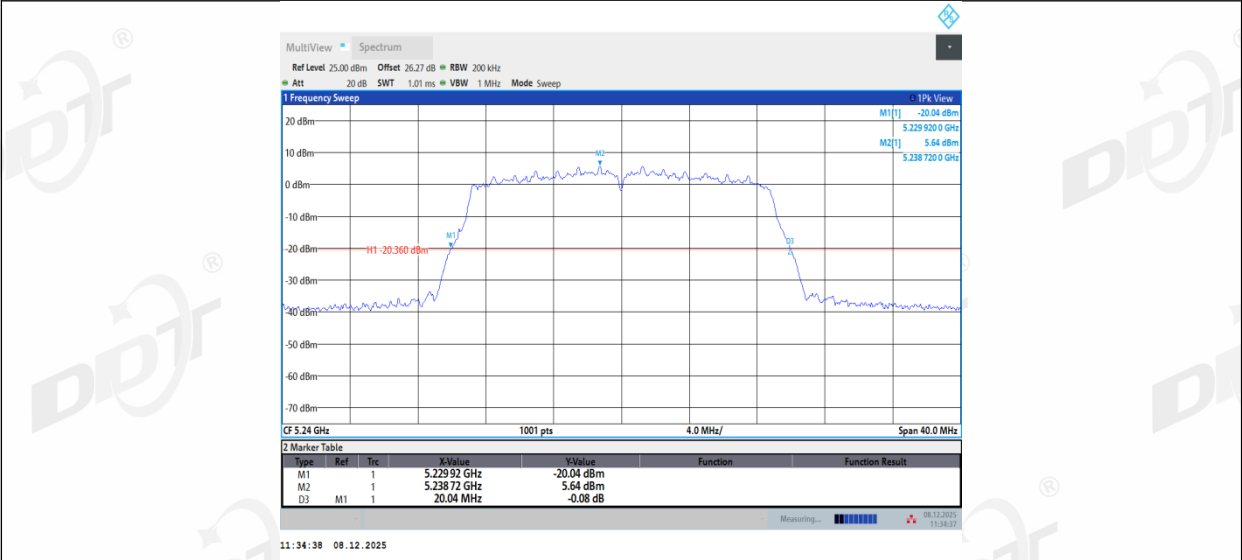
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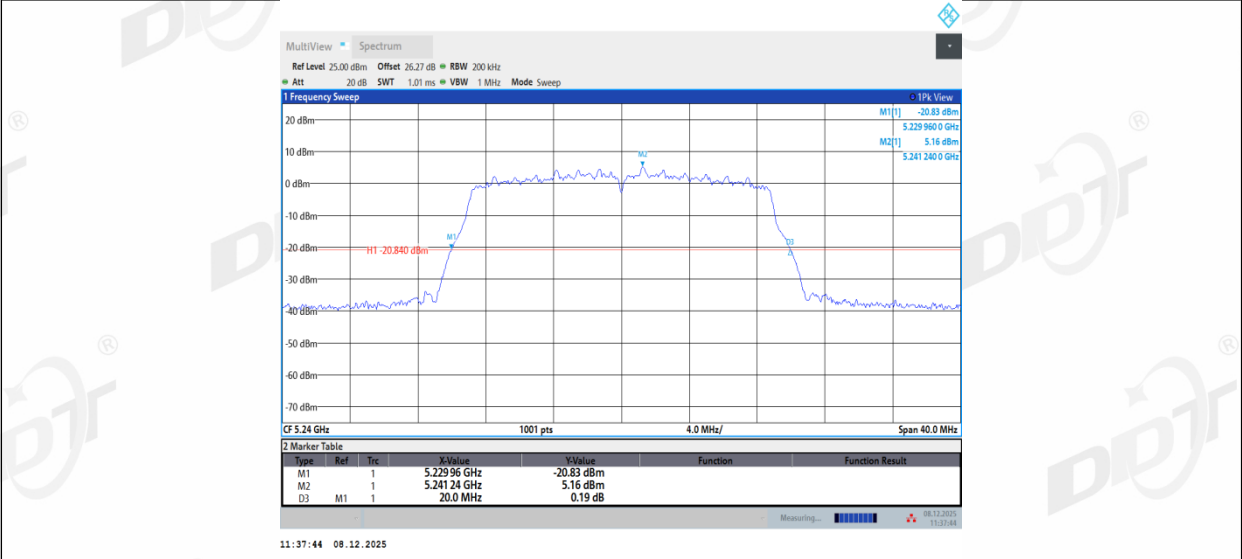
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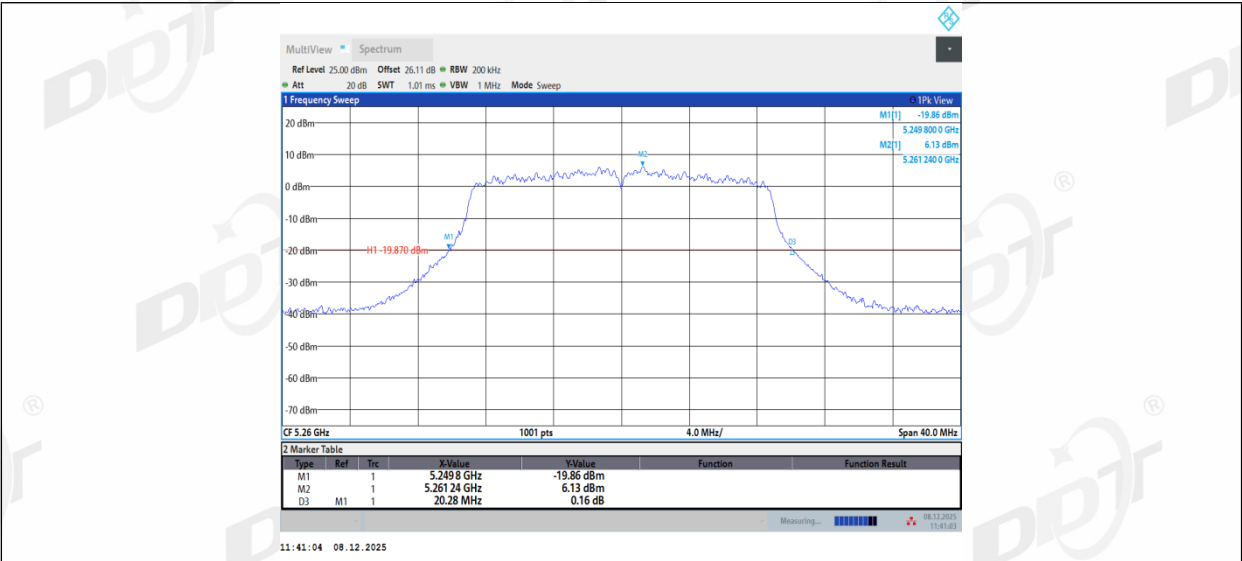
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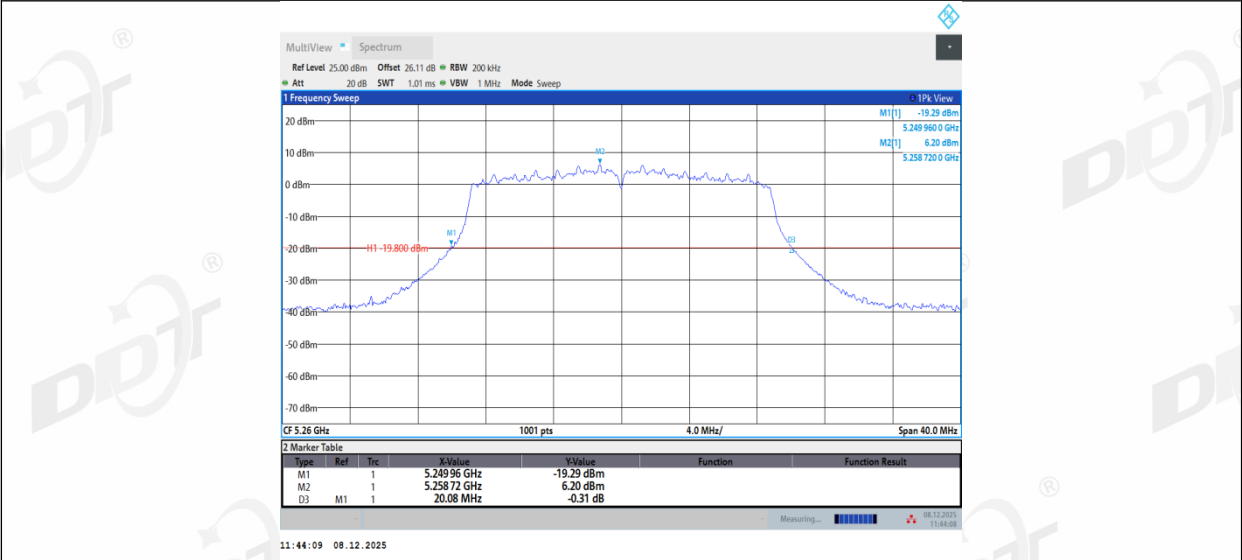
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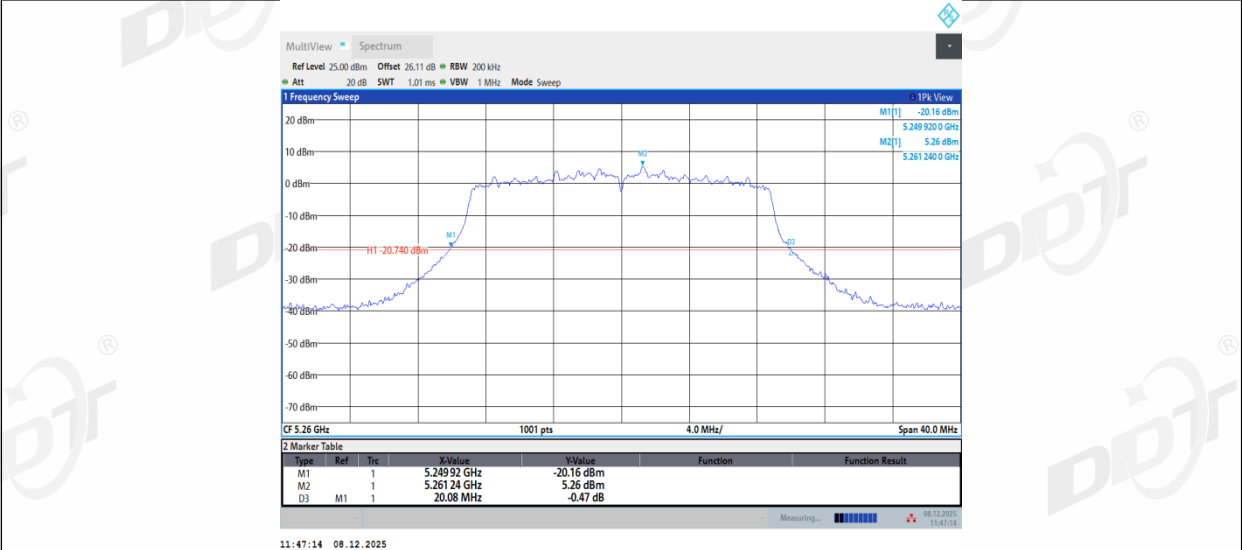
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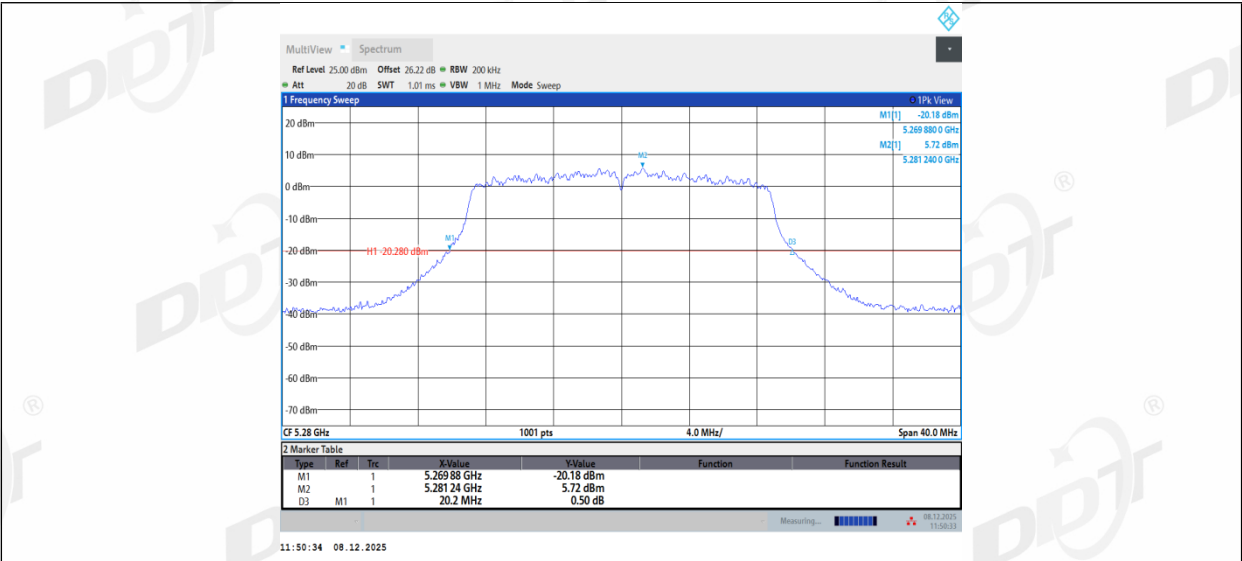
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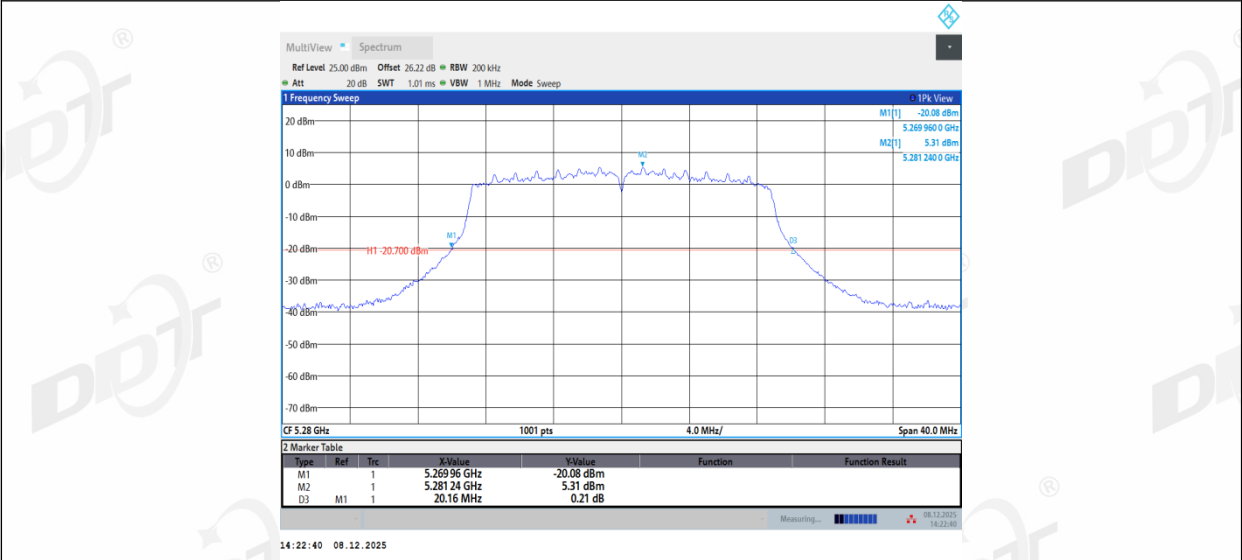
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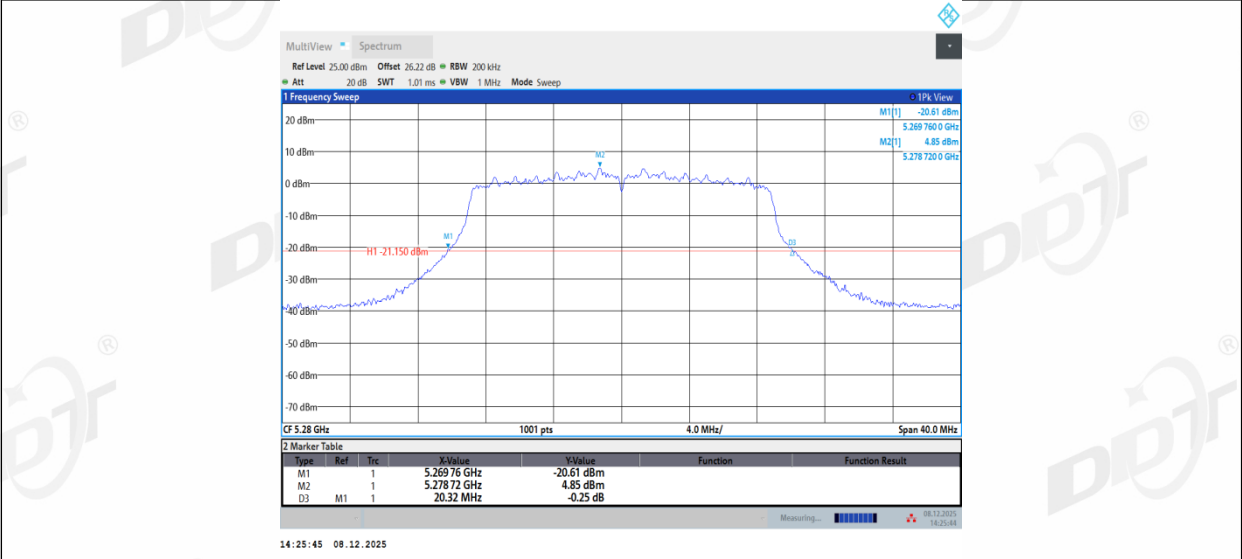
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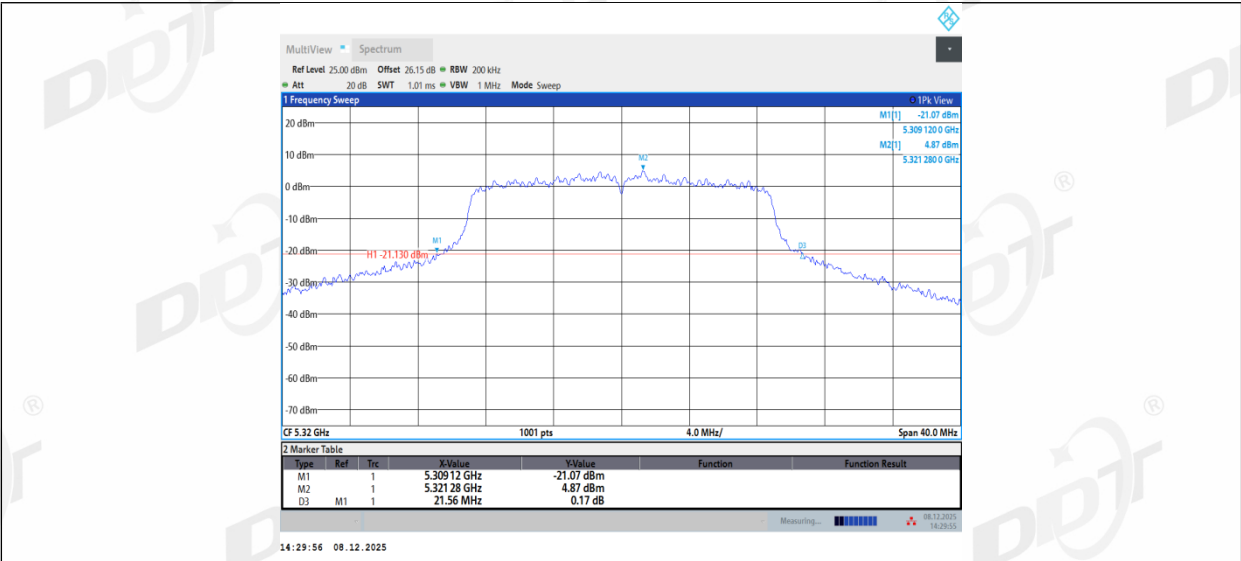
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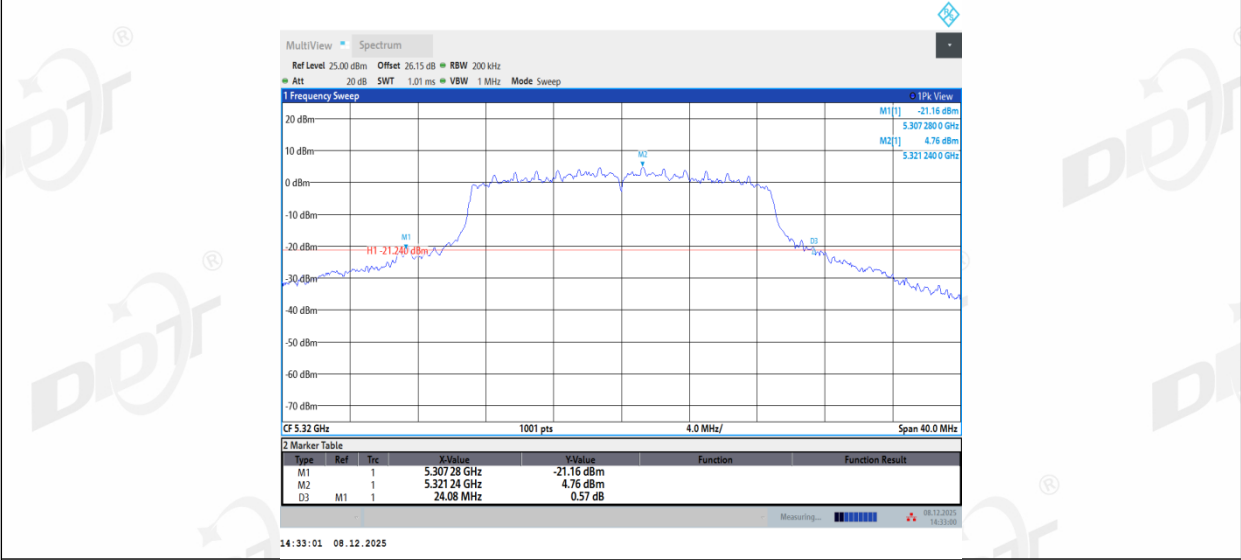
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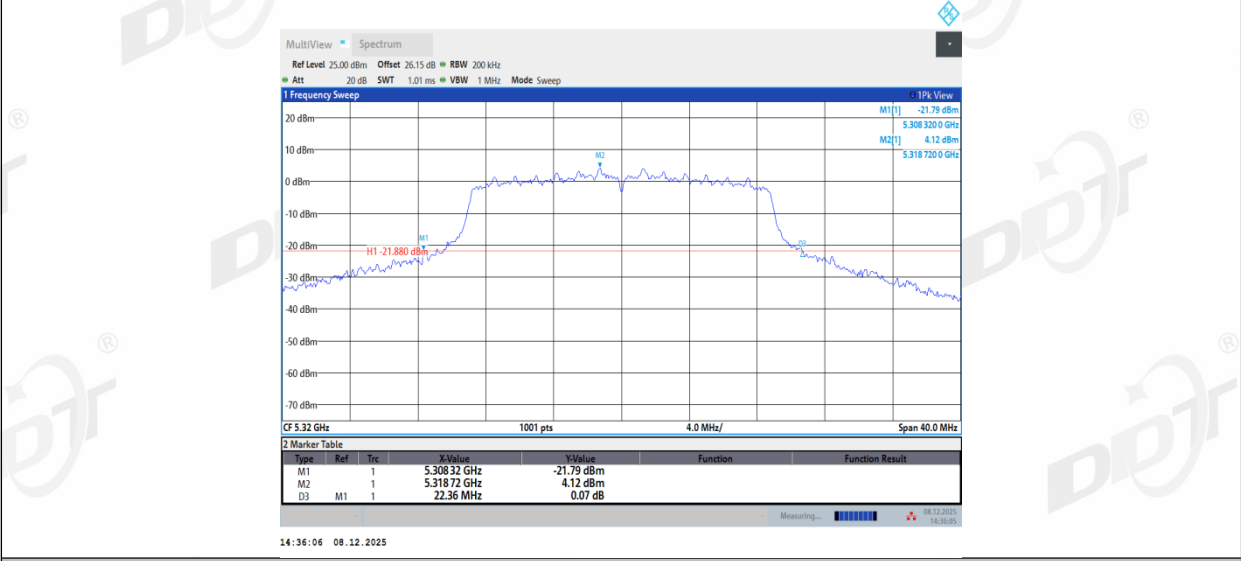
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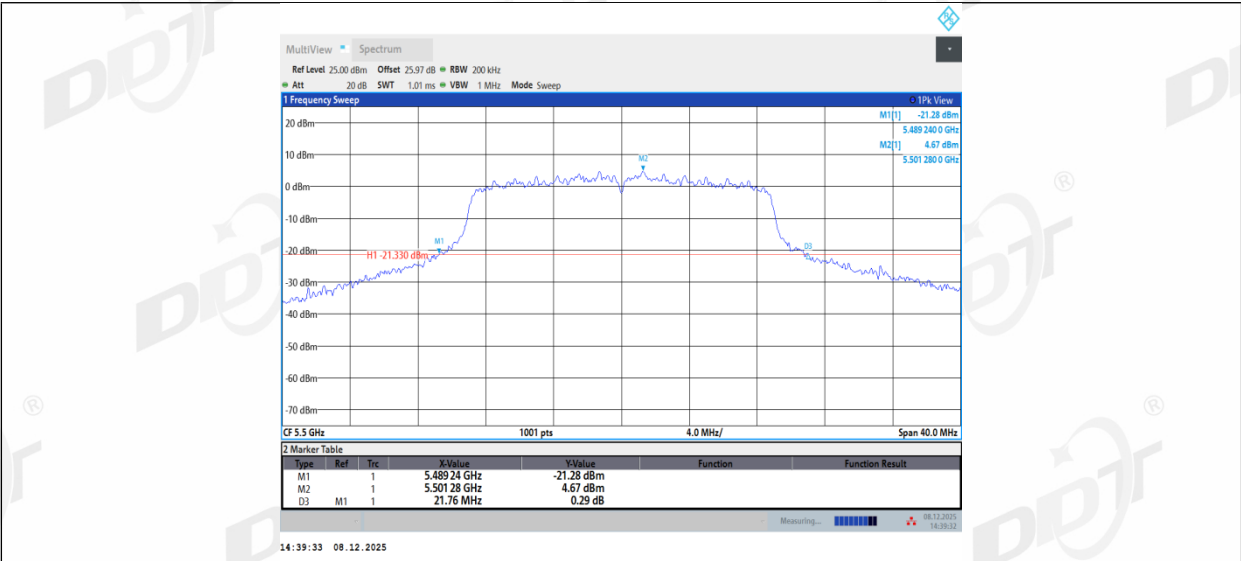
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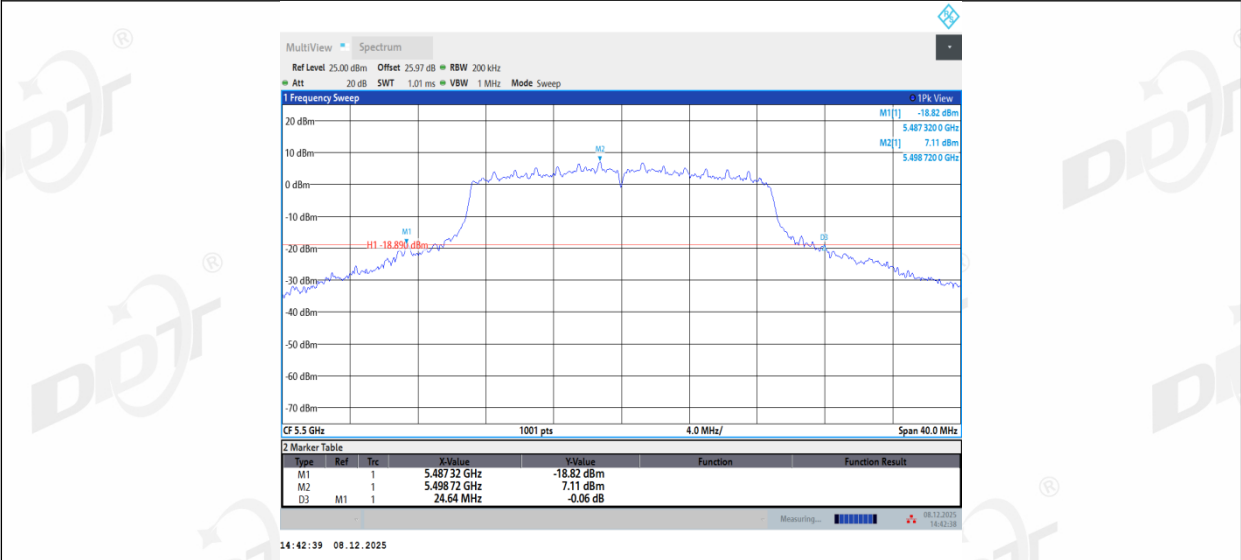
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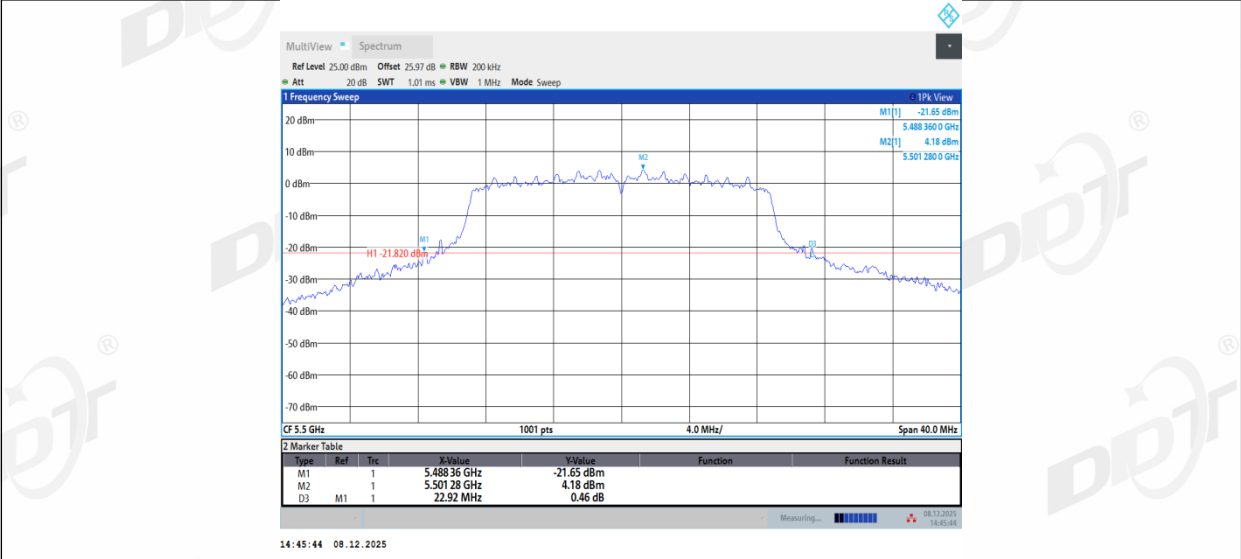
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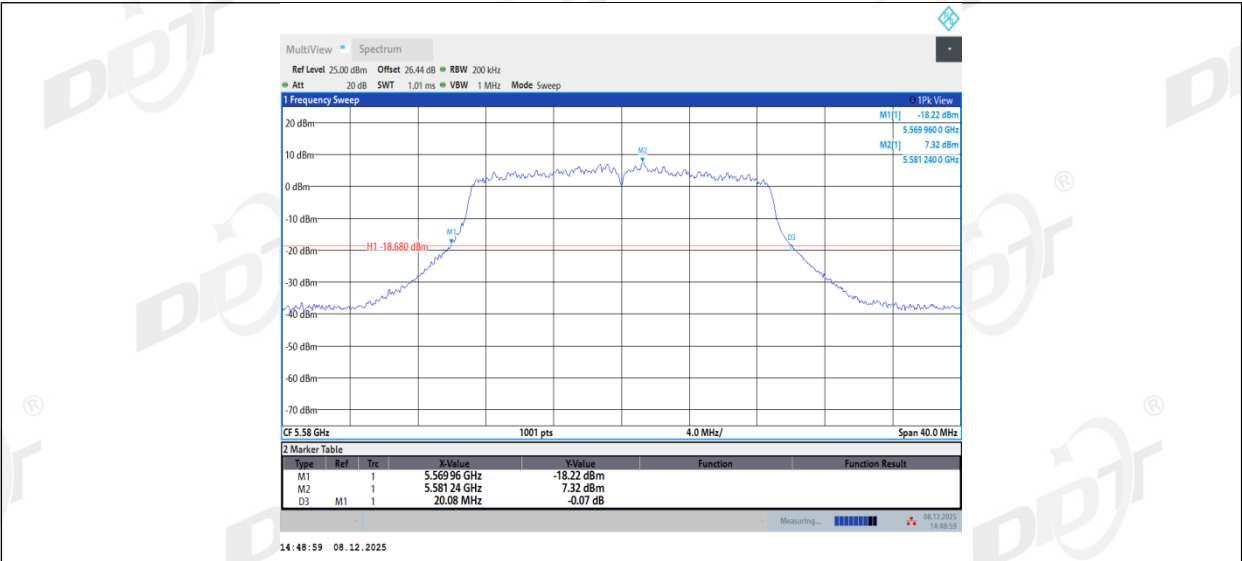
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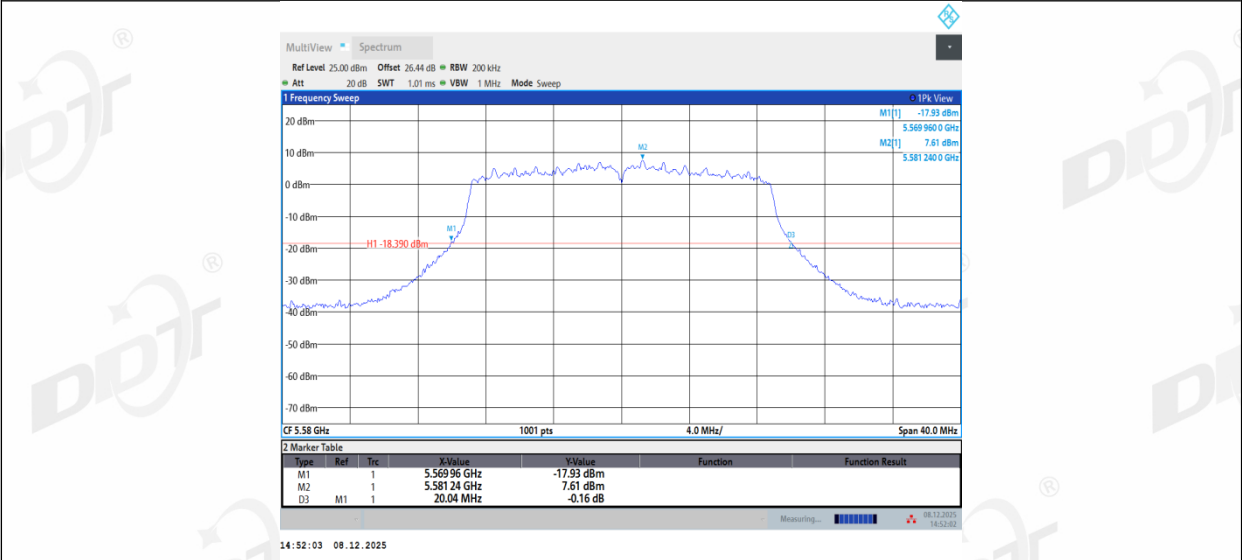
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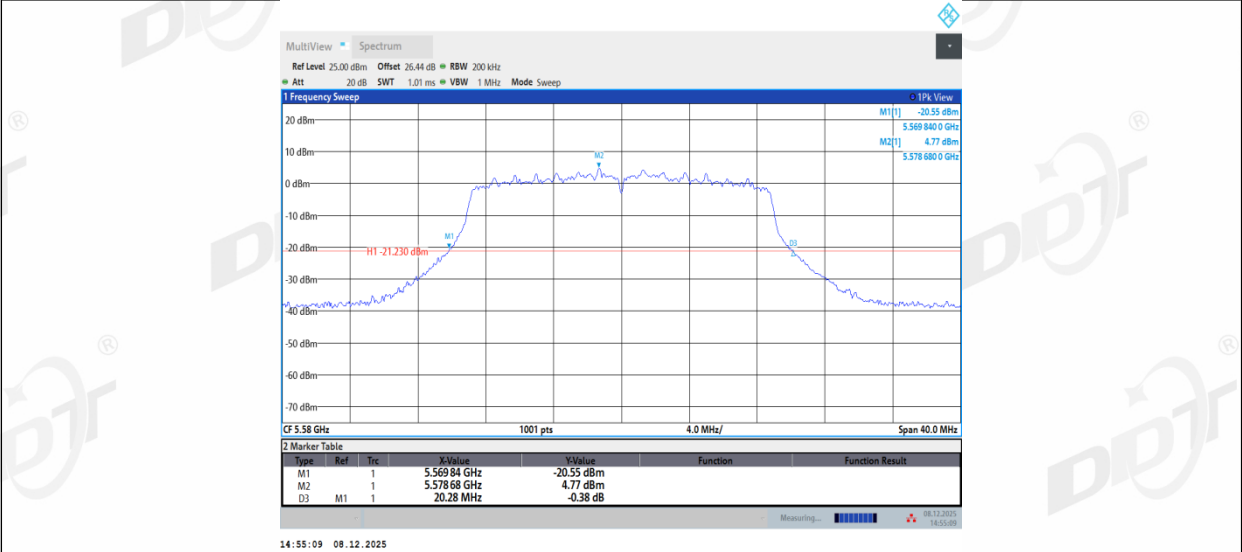
11N20MIMO_Ant1_5580



11N20MIMO_Ant2_5580



11N20MIMO_Ant3_5580



11N20MIMO_Ant1_5700