

FCC CERTIFICATION TEST REPORT

FOR

Applicant	:	Shenzhen SDMC Technology Co.,Ltd.
Address	:	Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen, China
Equipment under Test	:	StrideGym AI TV
Model No.	:	ST2-CX-30D-US
Trade Mark	:	 STRIDE GYM
FCC ID	:	2AW68-DV8886
Manufacturer	:	Gear Interactive Co. Ltd
Address	:	15/F, Tower 2, Fang Da City, Long Zhu Si Road, Nanshan District, Shenzhen, China

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,
Dongguan City, Guangdong Province, China, 523808

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

REPORT

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Test Report Declare

Applicant	:	Shenzhen SDMC Technology Co.,Ltd.
Address	:	Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen, China
Equipment under Test	:	StrideGym AI TV
Model No	:	ST2-CX-30D-US
Trade Mark	:	 STRIDE GYM
Manufacturer	:	Gear Interactive Co. Ltd
Address	:	15/F, Tower 2, Fang Da City, Long Zhu Si Road, Nanshan District, Shenzhen, China

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C

Test procedure used:

ANSI C63.10:2013, 558074 D01 15.247 Meas Guidance v05r02, 662911 D01 Multiple Transmitter Output v02r01

We Declare:

The equipment described above is tested by Dongguan 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 Dongguan 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 FCC standards.

Report No:	DDT-R22081816-2E03		
Date of Receipt:	Sep. 16, 2022	Date of Test:	Sep. 16, 2022 ~ Oct. 19, 2022

Prepared By:

Johnny Wang

Johnny Wang/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 Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Oct. 19, 2022	

1. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.		
Description of Test Item	Standard	Results
6dB Bandwidth	FCC Part 15: 15.247 ANSI C63.10:2013	Pass
Conducted Peak Output Power	FCC Part 15: 15.247 ANSI C63.10:2013	Pass
Power Spectral Density	FCC Part 15:15.247 ANSI C63.10:2013	Pass
Band-edge and Spurious Emissions (Conducted)	FCC Part 15: 15.209 FCC Part 15: 15.247 ANSI C63.10: 2013	Pass
Radiated Spurious Emissions	FCC Part 15: 15.247 ANSI C63.10:2013	Pass
Radiated Band Edge Compliance	FCC Part 15: 15.209 FCC Part 15: 15.247 ANSI C63.10: 2013	Pass
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10: 2013	Pass
Antenna requirement	FCC Part 15: 15.203	Pass

2. General Test Information

2.1. Description of EUT

EUT* Name	: StrideGym AI TV
Model Number	: ST2-CX-30D-US
EUT function description	: Please reference user manual of this device
Power supply	: DC 12V powered by external adapter
Radio Technology	: IEEE 802.11b/g/n
Operation frequency	: IEEE 802.11b: 2412MHz-2462MHz IEEE 802.11g: 2412MHz-2462MHz IEEE 802.11n HT20: 2412MHz-2462MHz IEEE 802.11n HT40: 2422MHz-2452MHz
Modulation	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Transmitter rate	: IEEE 802.11b: up to 11 Mbps IEEE 802.11g: up to 54 Mbps IEEE 802.11n HT20: up to 144.4 Mbps IEEE 802.11n HT40: up to 300 Mbps
Antenna Type	: Antenna 1: PCB antenna, Maximum PK gain: 5.72 dBi Antenna 2: PCB antenna, Maximum PK gain: 3.8 dBi
Sample Type	: Series production
Sample Number	: S22081816-02

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

Antenna information		
/	Ant1 gain(G1)	Ant2 gain(G2)
IEEE 802.11b	5.72	3.8
IEEE 802.11g	5.72	3.8
IEEE 802.11n HT20	5.72	3.8
IEEE 802.11n HT40	5.72	3.8
This EUT supports MIMO 2X2, any transmit signals are correlated with each other, according to KDB 662911, Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 7.82 \text{ dBi}$.		

Channel information					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447	/	/

2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Serial No.	Other
AC ADAPTER	N/A	SA12BV-120100U	N/A	Input: 100-240V ~ 50/60Hz 0.4A Output: DC 12V1A
AC ADAPTER	Shenzhen Tianyin Electronics Co., Ltd.	TPQ-368D120100UW01	N/A	Input: 100-240V ~ 50/60Hz 0.4A Output: DC 12V1A
Remote control	N/A	N/A	N/A	N/A
Camera	N/A	N/A	N/A	N/A
RJ 45 cable	N/A	N/A	N/A	N/A
HDMI cable	N/A	N/A	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
N/A	N/A	N/A	N/A	N/A

2.4. Block diagram of EUT configuration for test



Test software: adb.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: 0.5dB (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 802.11b	default	default	1	LCH: CH1	2412
	default	default	1	MCH: CH6	2437
	default	default	1	HCH: CH11	2462
IEEE 802.11g	74	60	6	LCH: CH1	2412
	74	60	6	MCH: CH6	2437
	74	60	6	HCH: CH11	2462
IEEE 802.11n HT20	74	60	MCS 8	LCH: CH1	2412
	74	60	MCS 8	MCH: CH6	2437
	74	60	MCS 8	HCH: CH11	2462
IEEE 802.11n HT40	74	60	MCS 8	LCH: CH3	2422
	74	60	MCS 8	MCH: CH6	2437
	74	60	MCS 8	HCH: CH9	2452

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

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:	+21 °C to +25 °C
Humidity range:	40% to 75%
Pressure range:	86 kPa to 106 kPa

2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, 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 ($8 \text{ GHz} \leq f < 22 \text{ GHz}$)
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	3.32 dB (150 kHz-30 MHz)

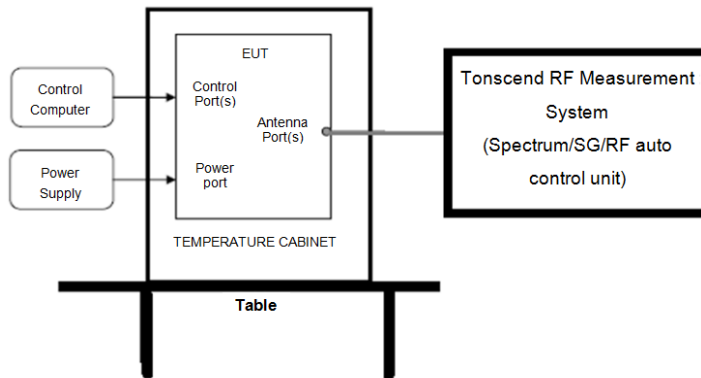
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

3. Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☑RF Connected Test (Tonscend RF Measurement System 3#)					
Signal & Spectrum analyzer	R&S	FSV40	101407	Jul. 21, 2022	1 Year
Wideband Radio Communication tester	R&S	CMW500	117491	May 18, 2022	1 Year
Vector Signal Generator	Agilent	N5182A	MY19060405	May 18, 2022	1 Year
Vector Signal Generator	Agilent	N5182A	MY48180912	May 18, 2022	1 Year
RF Control Unit	Tonscend	JS0806-2	20C8060230	May 18, 2022	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	May 26, 2022	1 Year
Test Software	JS Tonscend	JS1120-3	Ver.3.2.22	N/A	N/A
☑Radiation 3#chamber					
EMI Test Receiver	R&S	ESU26	100472	May 19, 2022	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	May 17, 2022	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 19, 2021	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 19, 2022	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	Jul. 22, 2022	1 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120 D	02468	Nov. 29, 2021	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	May 06, 2022	1 Year
Pre-amplifier	COM-POWER	PAM-118A	18040084	Aug.17, 2022	1 Year
Pre-amplifier	COM-POWER	PAM-840A	461369	Apr. 11, 2022	1 Year
RE Cable	N/A	W23.02 CP1-X2 + W23.09 AP1-X8+ JCT26S-NJ-NJ-1.5M+ JCT26S-NJ-NJ-1.5M	4.5M+8M+1.5M+1.5M	Aug.17, 2022	1 Year
RF Cable	Yuhu Technology	JCTB810-NJ-NJ-9M	21123964	May. 19,2022	1 Year
Test software	Audix	E3	V 6.1.1.1	N/A	N/A
☑Power Line Conducted Emissions Test 1#					
Test Receiver	R&S	ESCI	100551	Aug. 26, 2022	1 Year
LISN 1	R&S	ENV216	101109	Aug. 26, 2022	1 Year
LISN 2	R&S	ESH2-Z5	100309	Aug. 26, 2022	1 Year
Pulse Limiter	R&S	ESH3-Z2	101242	Aug. 26, 2022	1 Year
CE Cable 1	HUBSER	N/A	W10.01	Aug. 26, 2022	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A
Test Receiver	R&S	ESCI	100551	Aug. 26, 2022	1 Year

4. 6dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

For direct sequence systems, the minimum 6 dB bandwidth shall be at least 500 kHz

4.3. Test procedure

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

(2) 6dB Bandwidth set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) 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 6 dB relative to the maximum level measured in the fundamental emission.

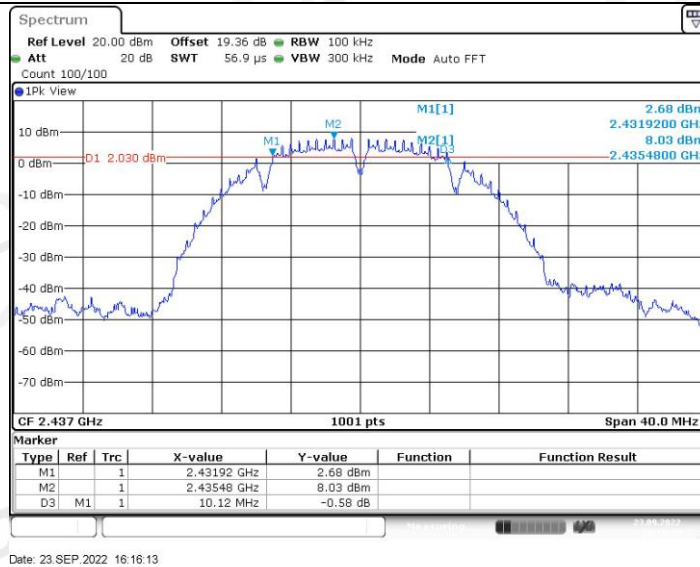
4.4. Test result

Test Mode	Test	Ant	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	2412	Ant1	10.12	0.5	Pass
11B	2412	Ant2	10.08	0.5	Pass
11B	2437	Ant1	10.12	0.5	Pass
11B	2437	Ant2	10.12	0.5	Pass
11B	2462	Ant1	10.12	0.5	Pass
11B	2462	Ant2	10.12	0.5	Pass
11G	2412	Ant1	16.28	0.5	Pass
11G	2412	Ant2	16.36	0.5	Pass
11G	2437	Ant1	16.28	0.5	Pass
11G	2437	Ant2	15.56	0.5	Pass
11G	2462	Ant1	16.36	0.5	Pass
11G	2462	Ant2	15.72	0.5	Pass
11N20MIMO	2412	Ant1	16.56	0.5	Pass
11N20MIMO	2412	Ant2	16.80	0.5	Pass
11N20MIMO	2437	Ant1	16.80	0.5	Pass
11N20MIMO	2437	Ant2	17.56	0.5	Pass
11N20MIMO	2462	Ant1	17.08	0.5	Pass
11N20MIMO	2462	Ant2	16.28	0.5	Pass
11N40MIMO	2422	Ant1	35.12	0.5	Pass
11N40MIMO	2422	Ant2	34.88	0.5	Pass
11N40MIMO	2437	Ant1	35.36	0.5	Pass
11N40MIMO	2437	Ant2	35.12	0.5	Pass
11N40MIMO	2452	Ant1	35.20	0.5	Pass
11N40MIMO	2452	Ant2	35.20	0.5	Pass

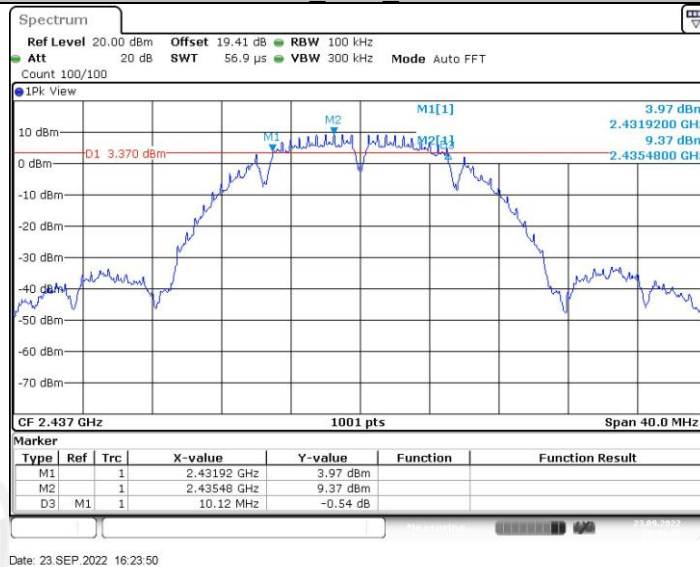
4.5. Original test data

6 dB bandwidth:

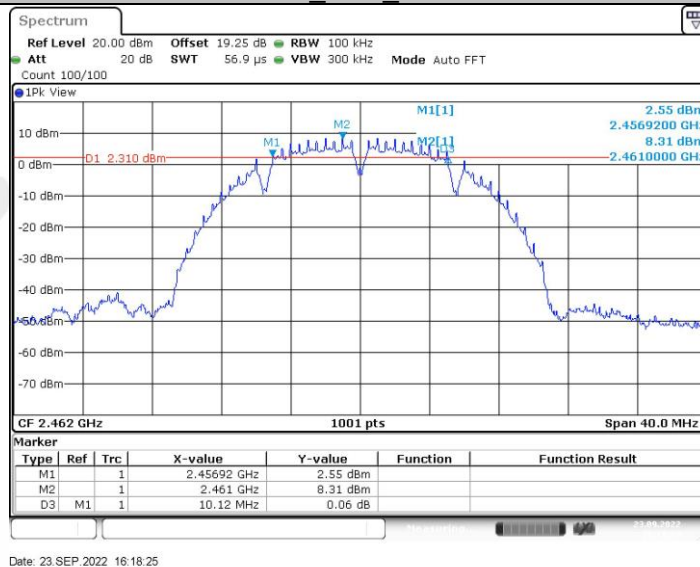




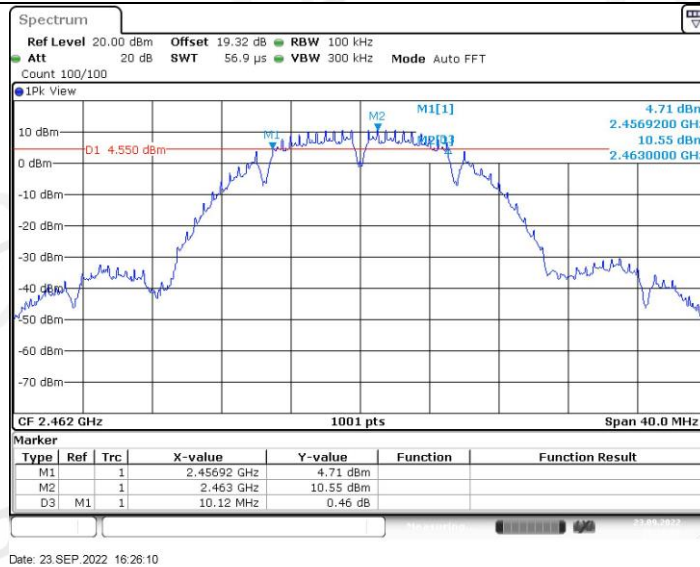
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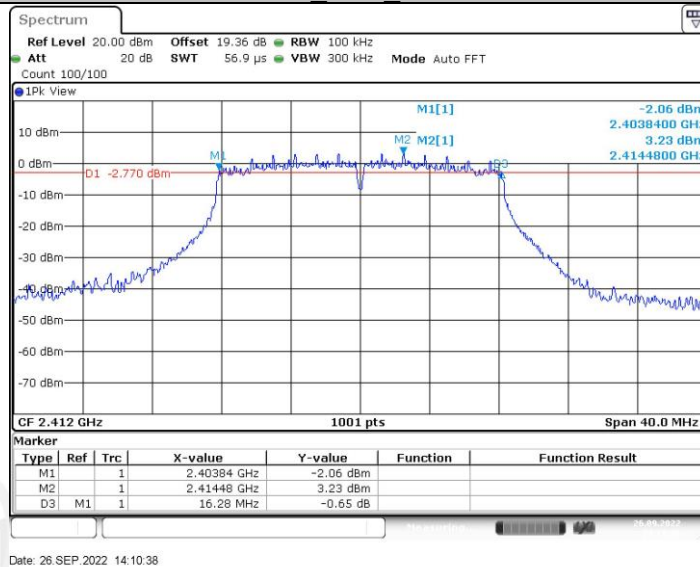
11B_Ant1_2462



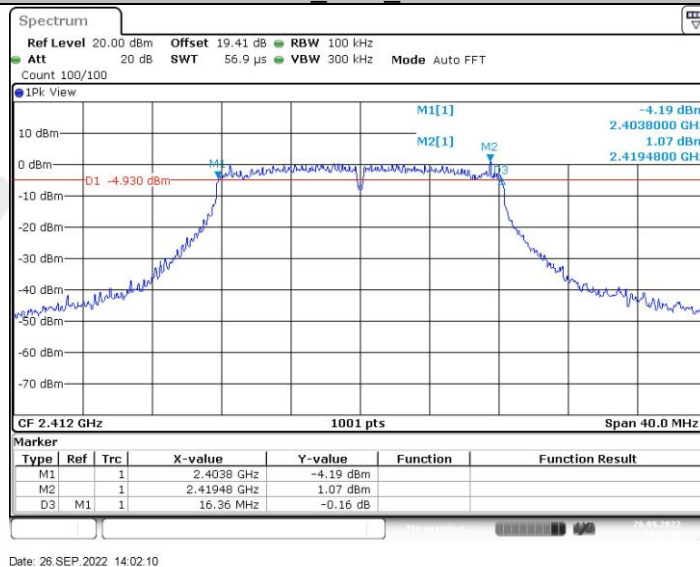
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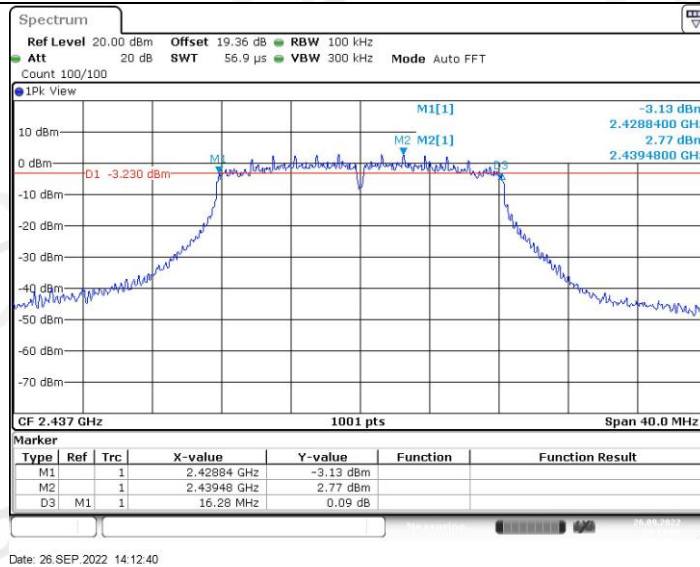
11G_Ant1_2412



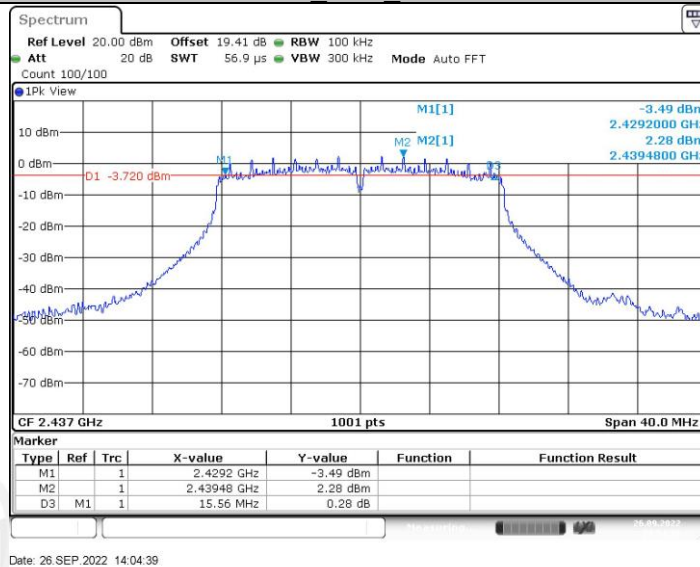
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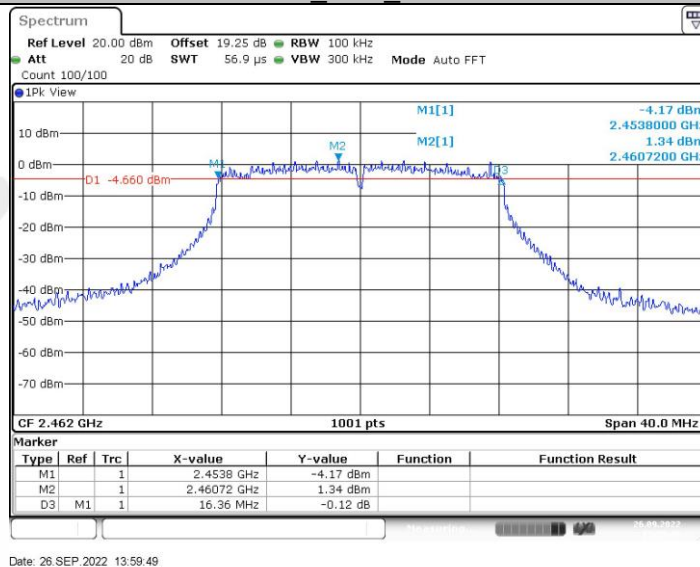
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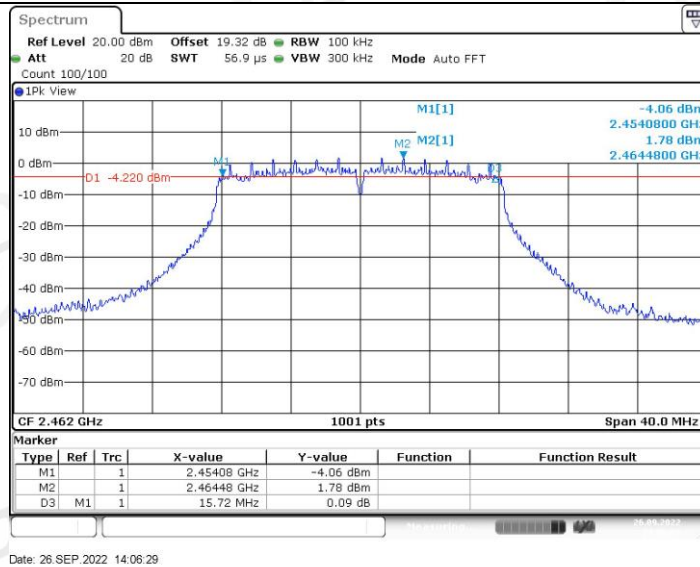
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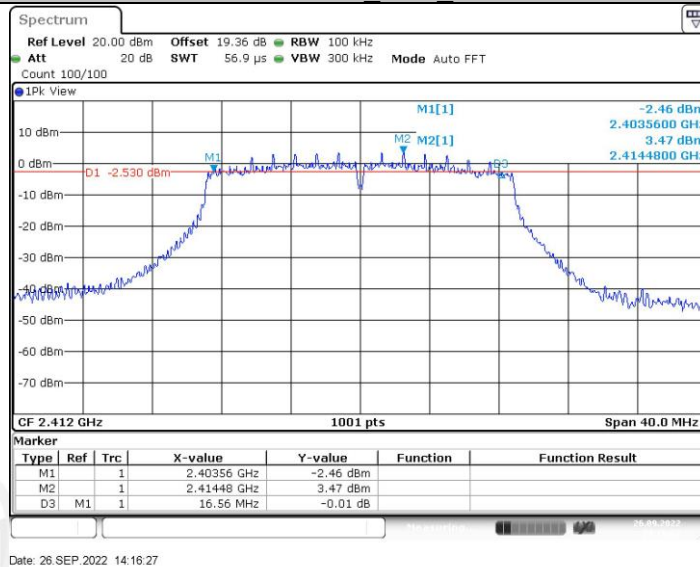
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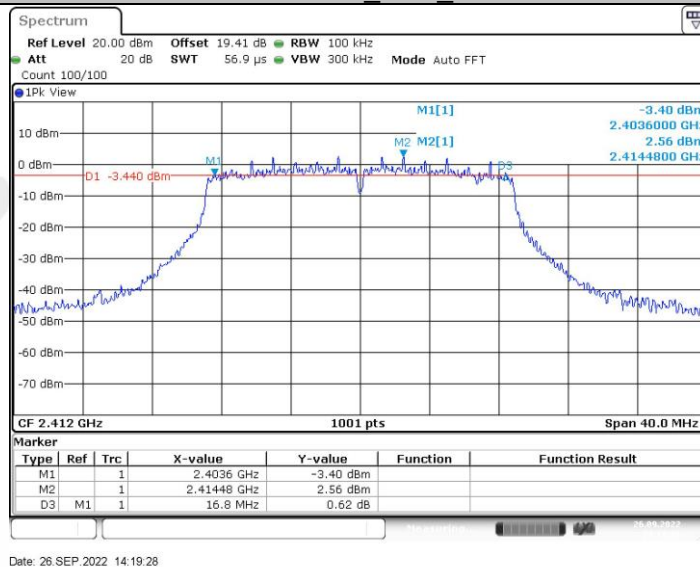
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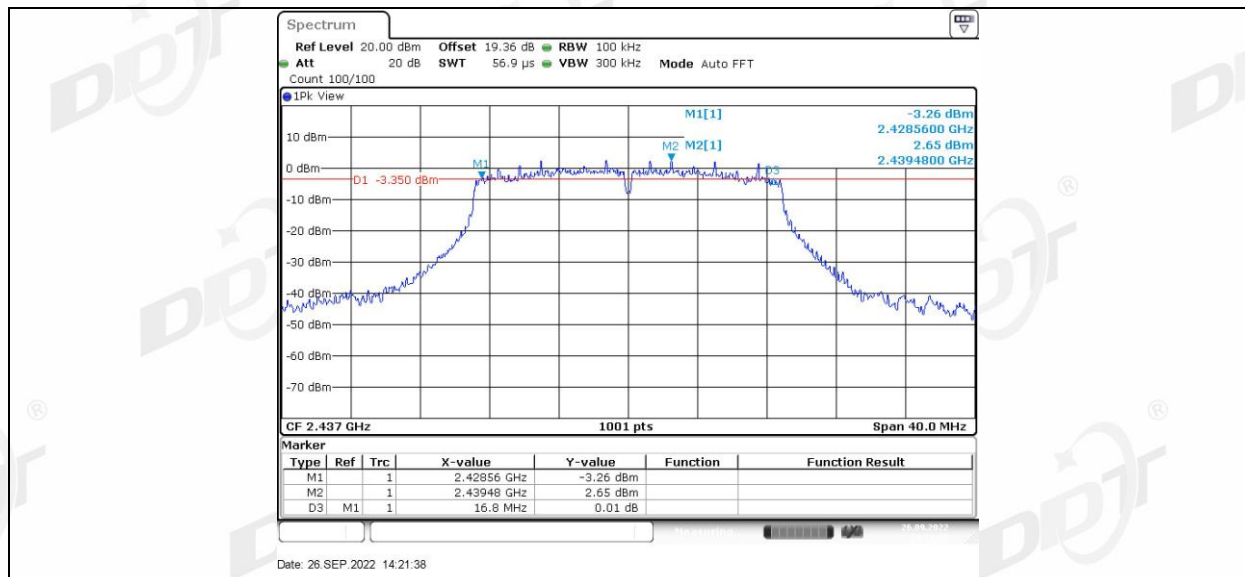
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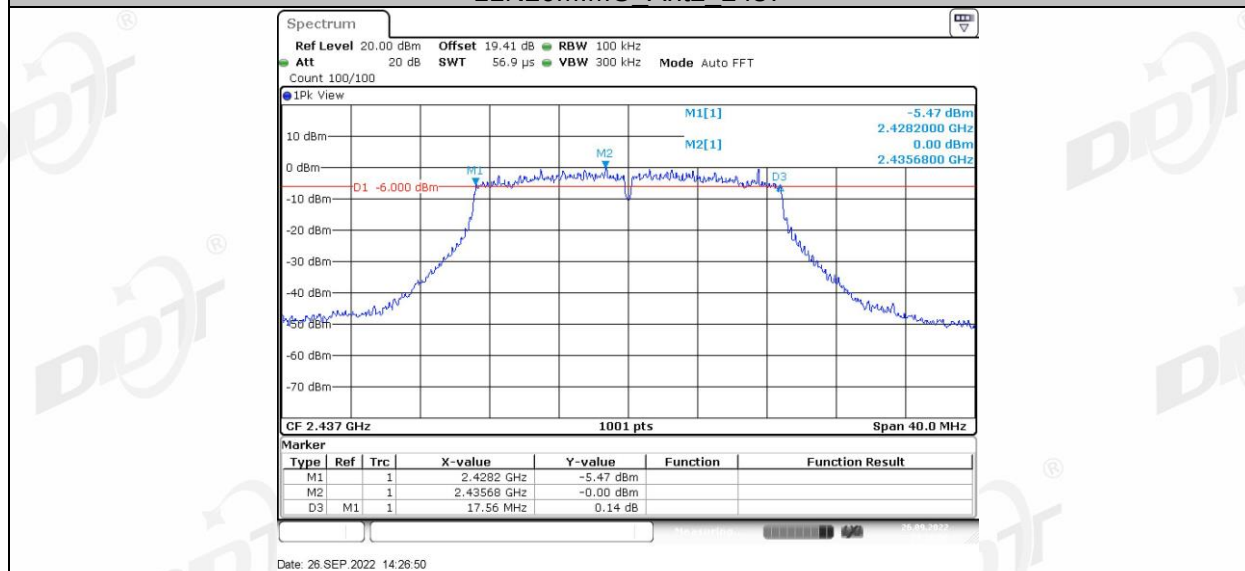
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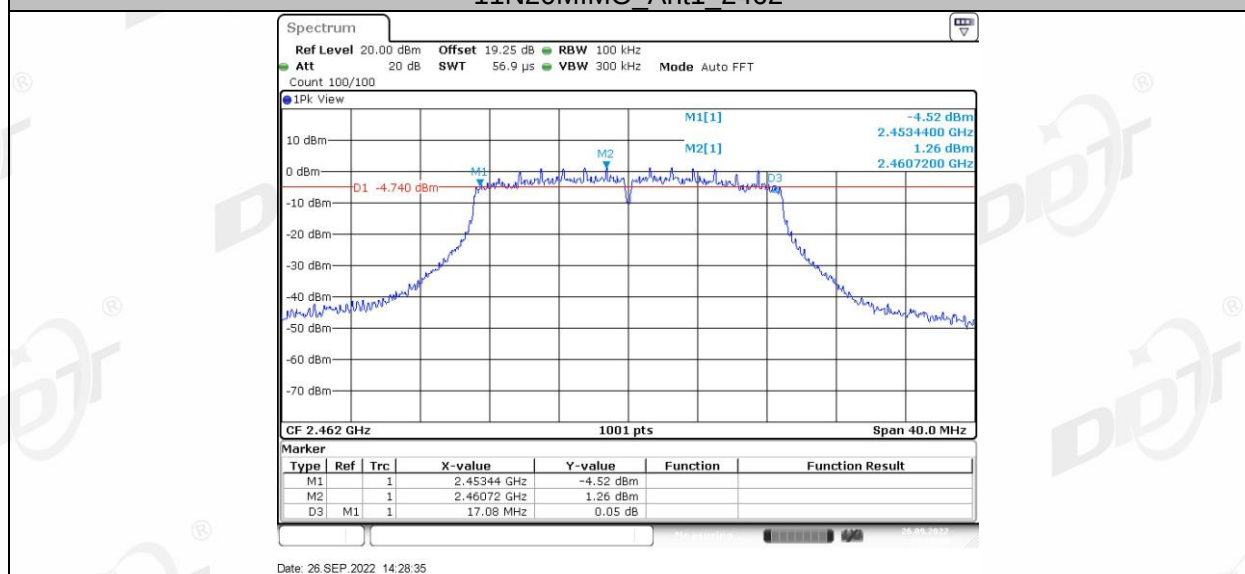
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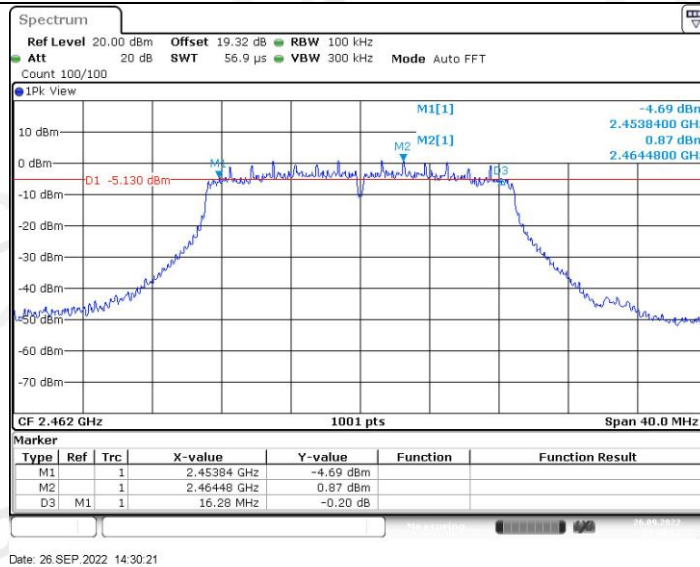
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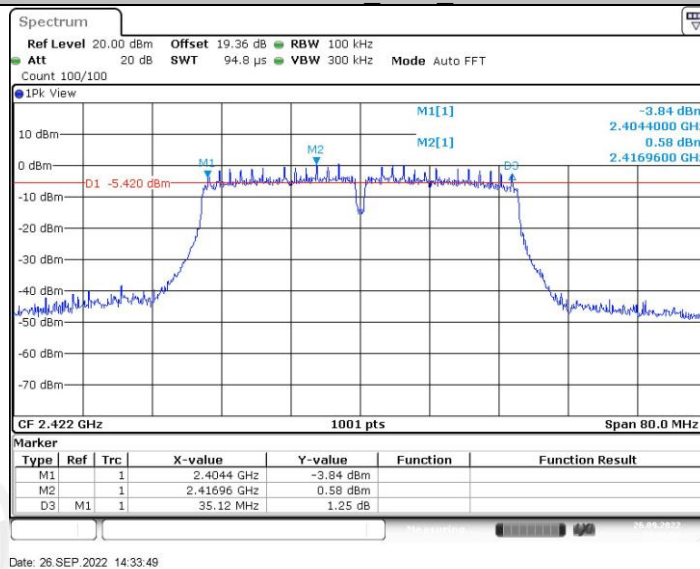
11N20MIMO_Ant1_2462



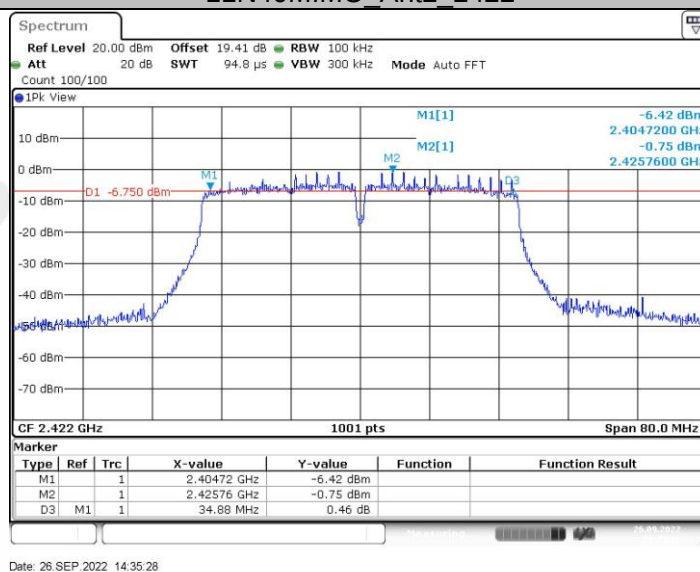
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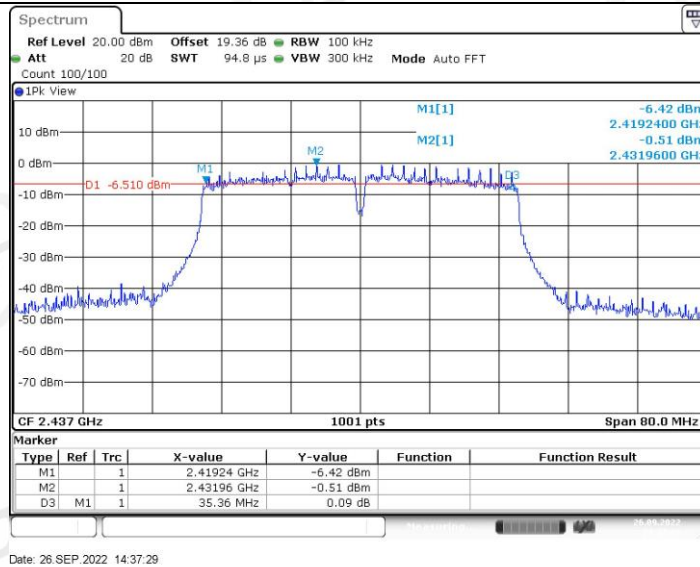
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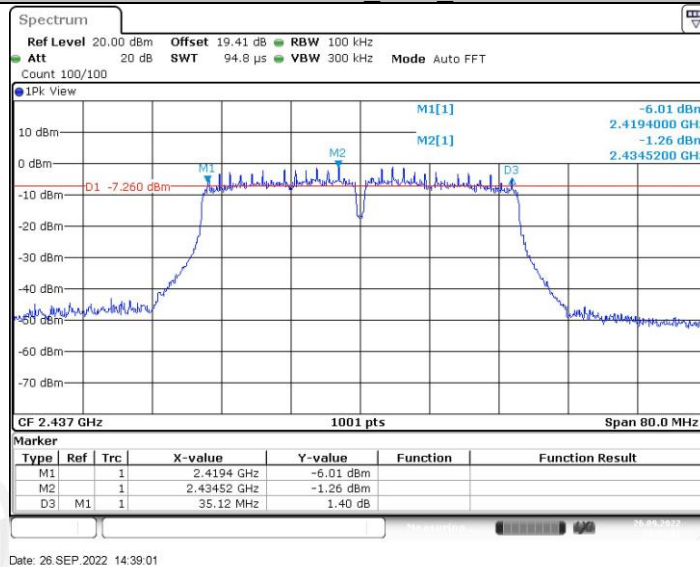
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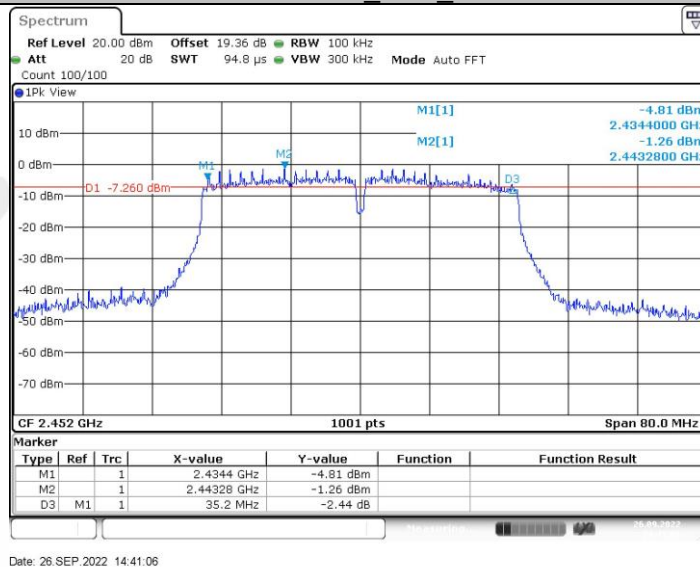
11N40MIMO_Ant1_2437



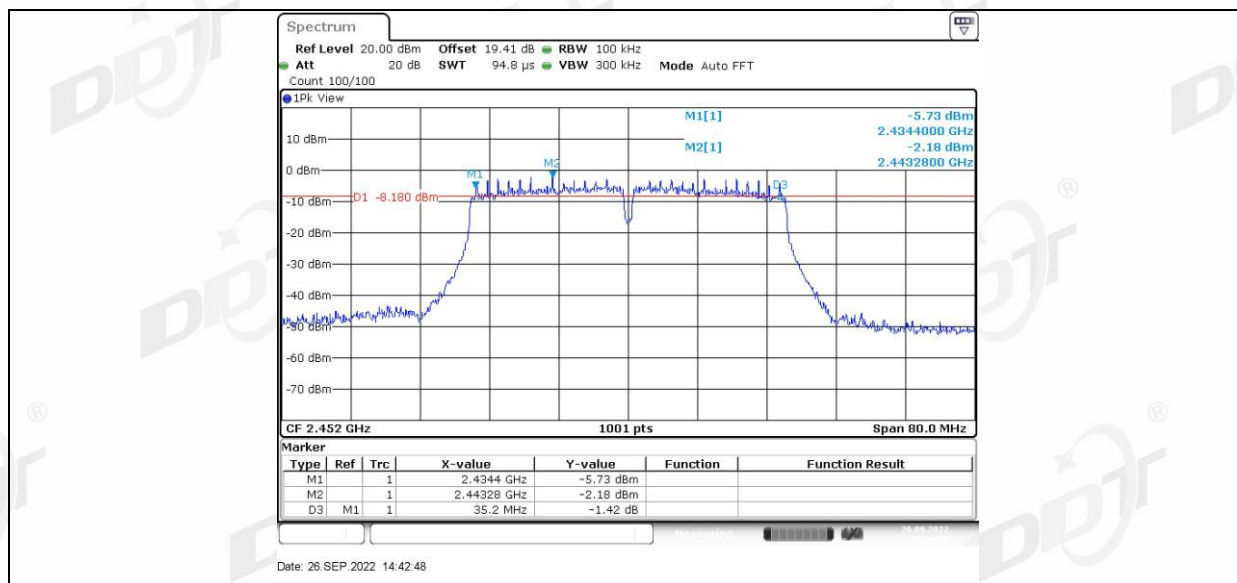
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



5. Conducted Peak Output Power

5.1. Block diagram of test setup

Same as section 4.1

5.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator

Measure the PK output power of each antenna port by power meter.

5.4. Test result

Test Mode	Test Channel	Ant	Conducted Output Power (dBm)	Limit [dBm]	Verdict
11B	2412	ANT1	18.92	30	Pass
11B	2412	ANT2	19.35	30	Pass
11B	2437	ANT1	18.67	30	Pass
11B	2437	ANT2	19.73	30	Pass
11B	2462	ANT1	17.44	30	Pass
11B	2462	ANT2	19.96	30	Pass
11G	2412	ANT1	15.69	30	Pass
11G	2412	ANT2	14.97	30	Pass
11G	2437	ANT1	15.05	30	Pass
11G	2437	ANT2	14.13	30	Pass
11G	2462	ANT1	14.82	30	Pass
11G	2462	ANT2	13.83	30	Pass
11N20MIMO	2412	ANT1	15.52	28.18	Pass
11N20MIMO	2412	ANT2	14.43	28.18	Pass
11N20MIMO	2412	total	18.02	28.18	Pass
11N20MIMO	2437	ANT1	15.10	28.18	Pass
11N20MIMO	2437	ANT2	13.34	28.18	Pass
11N20MIMO	2437	total	17.32	28.18	Pass
11N20MIMO	2462	ANT1	13.72	28.18	Pass
11N20MIMO	2462	ANT2	12.87	28.18	Pass
11N20MIMO	2462	total	16.33	28.18	Pass

11N40MIMO	2422	ANT1	15.03	28.18	Pass
11N40MIMO	2422	ANT2	14.23	28.18	Pass
11N40MIMO	2422	total	17.66	28.18	Pass
11N40MIMO	2437	ANT1	14.77	28.18	Pass
11N40MIMO	2437	ANT2	13.14	28.18	Pass
11N40MIMO	2437	total	17.04	28.18	Pass
11N40MIMO	2452	ANT1	14.44	28.18	Pass
11N40MIMO	2452	ANT2	13.32	28.18	Pass
11N40MIMO	2452	total	16.93	28.18	Pass

For MIMO mode, transmitting antennas of directional gain greater than 6 dBi, so limit shall be (30- (7.82-6)) dBm

6. Power Spectral Density

6.1. Block diagram of test setup

Same as section 4.1

6.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.3. Test procedure

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

(2) Set the spectrum analyzer as follows:

Center frequency	DTS Channel center frequency
RBW:	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW:	$\geq 3\text{RBW}$
Span	1.5 times the DTS bandwidth
Detector Mode:	RMS
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.

(4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

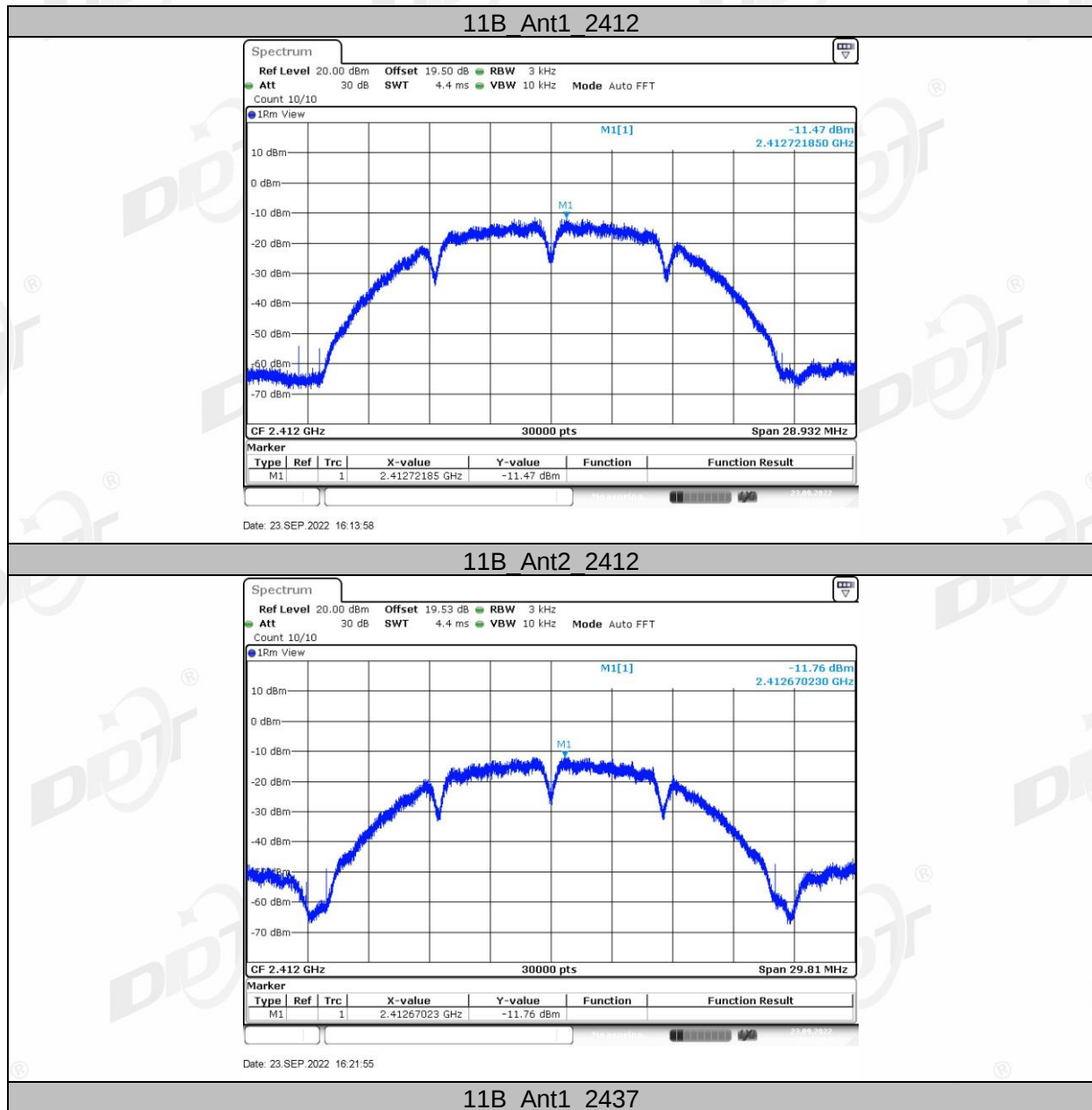
6.4. Test result

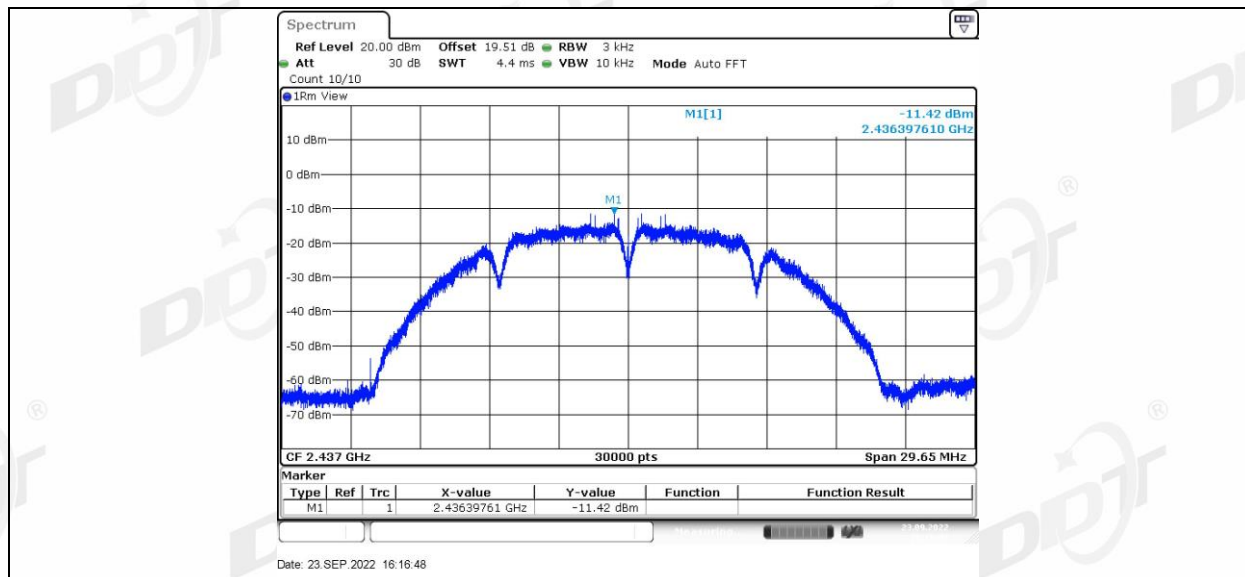
Test Mode	Test Channel	Ant	PSD [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	2412	ANT1	-11.47	8	Pass
11B	2412	ANT2	-11.76	8	Pass
11B	2437	ANT1	-11.42	8	Pass
11B	2437	ANT2	-11.98	8	Pass
11B	2462	ANT1	-13.72	8	Pass
11B	2462	ANT2	-11.03	8	Pass
11G	2412	ANT1	-15.7	8	Pass
11G	2412	ANT2	-16.97	8	Pass
11G	2437	ANT1	-15.9	8	Pass
11G	2437	ANT2	-17.39	8	Pass
11G	2462	ANT1	-16.12	8	Pass
11G	2462	ANT2	-17.02	8	Pass

11N20MIMO	2412	ANT1	-15.77	6.18	Pass
11N20MIMO	2412	ANT2	-17.55	6.18	Pass
11N20MIMO	2412	total	-13.56	6.18	Pass
11N20MIMO	2437	ANT1	-16.57	6.18	Pass
11N20MIMO	2437	ANT2	-16.5	6.18	Pass
11N20MIMO	2437	total	-13.52	6.18	Pass
11N20MIMO	2462	ANT1	-17.66	6.18	Pass
11N20MIMO	2462	ANT2	-18.46	6.18	Pass
11N20MIMO	2462	total	-15.03	6.18	Pass
11N40MIMO	2422	ANT1	-19.43	6.18	Pass
11N40MIMO	2422	ANT2	-19.45	6.18	Pass
11N40MIMO	2422	total	-16.43	6.18	Pass
11N40MIMO	2437	ANT1	-18.92	6.18	Pass
11N40MIMO	2437	ANT2	-20.86	6.18	Pass
11N40MIMO	2437	total	-16.77	6.18	Pass
11N40MIMO	2452	ANT1	-18.92	6.18	Pass
11N40MIMO	2452	ANT2	-20.99	6.18	Pass
11N40MIMO	2452	total	-16.82	6.18	Pass

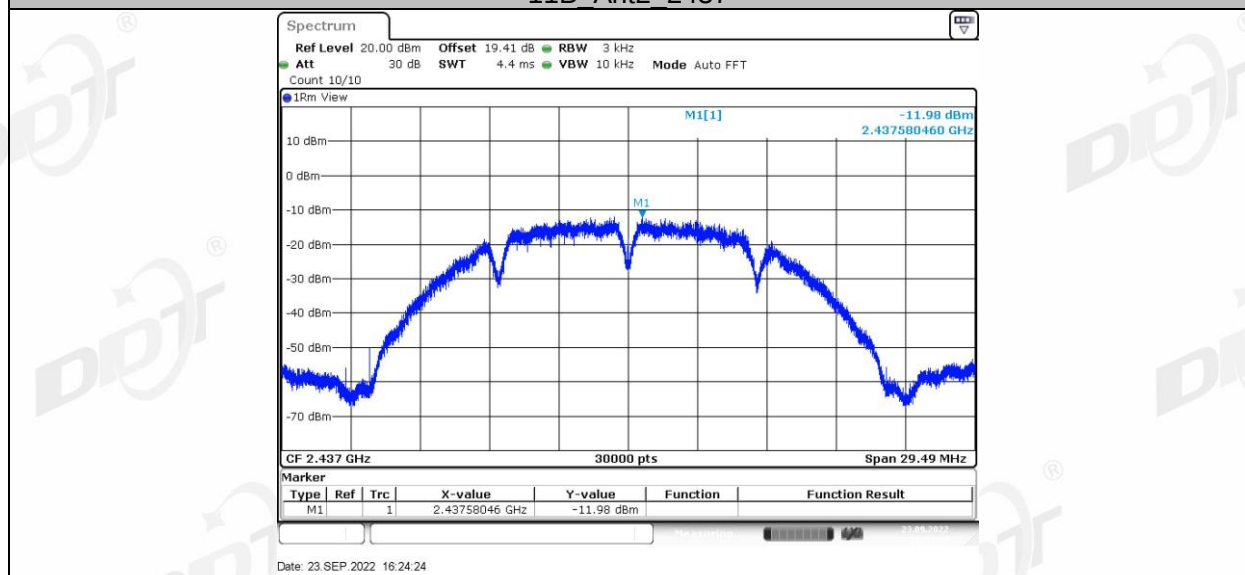
Note: For MIMO mode, transmitting antennas of directional gain greater than 6 dBi, so limit shall be $((8-(7.82-6)) \text{ dBm/3kHz})$

6.5. Original test data

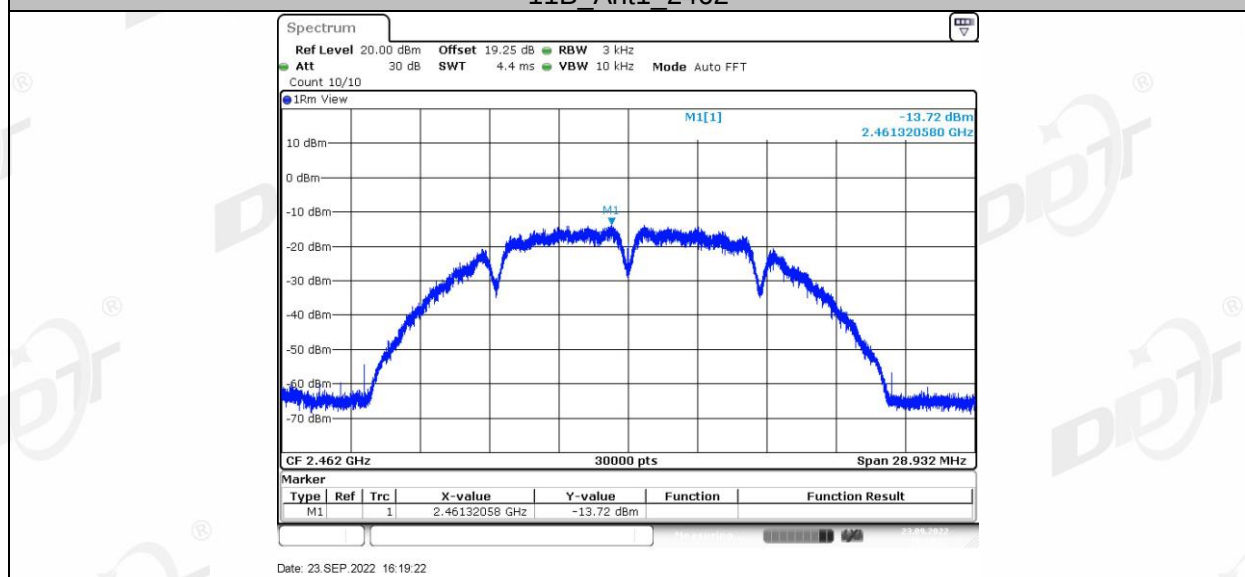




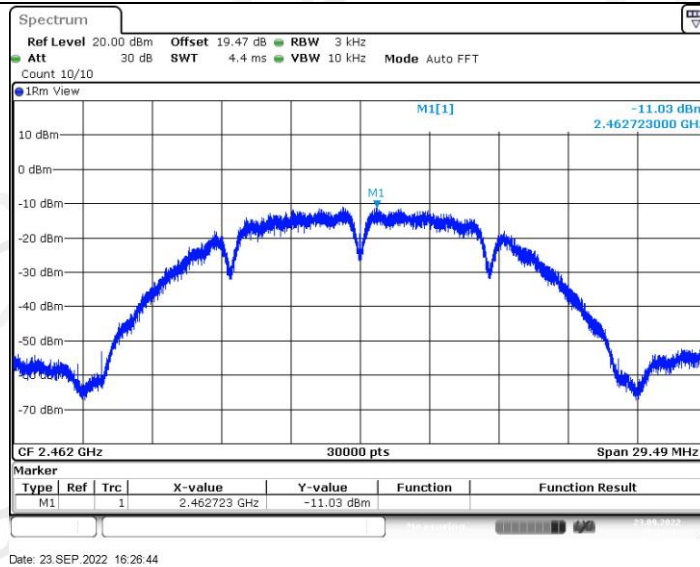
11B_Ant2_2437



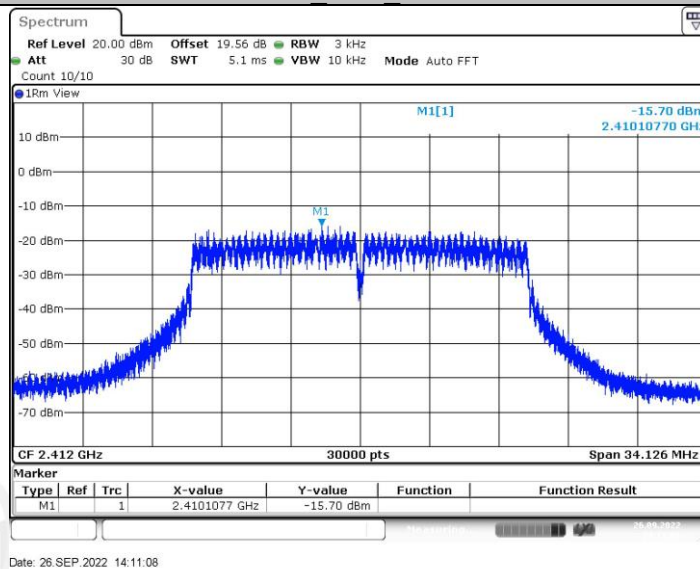
11B_Ant1_2462



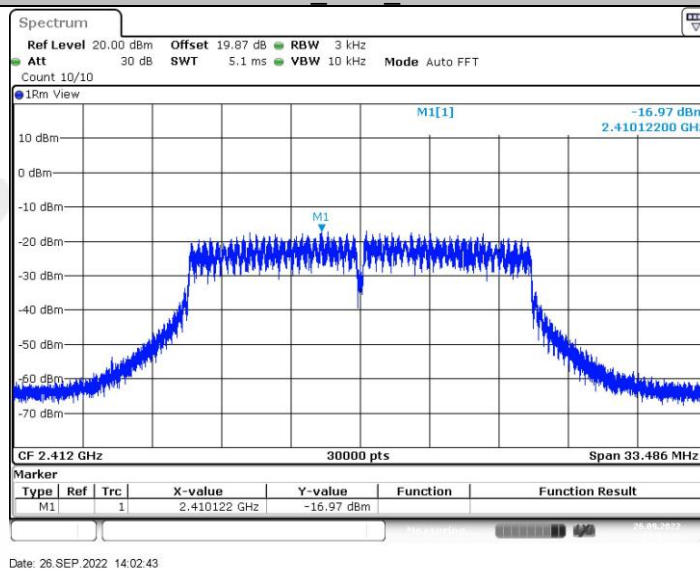
11B_Ant2_2462



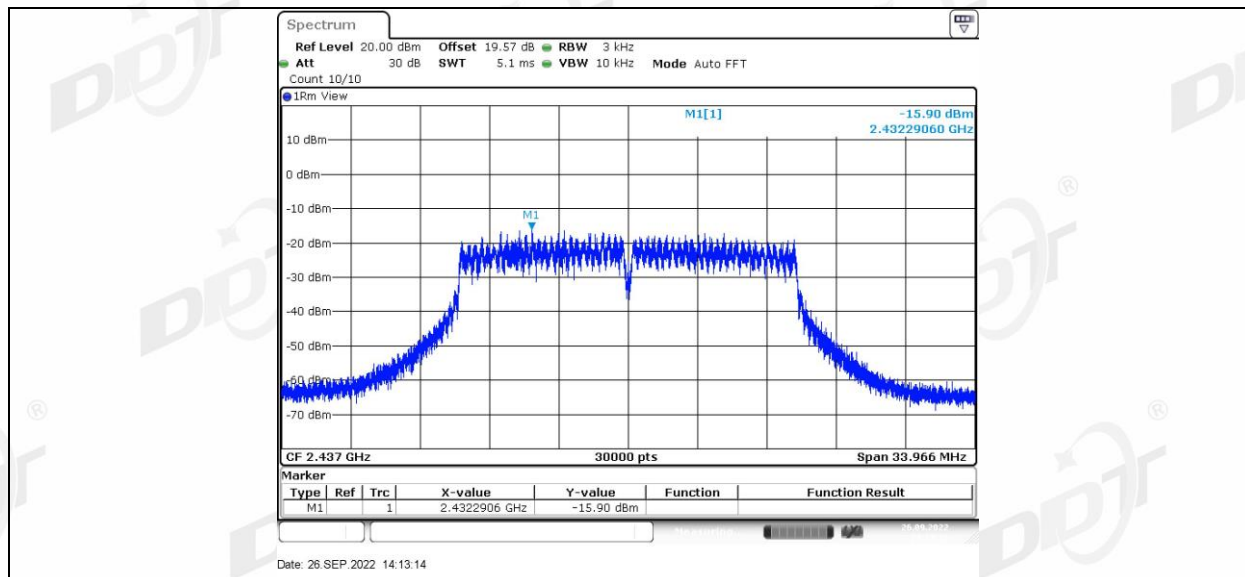
11G_Ant1_2412



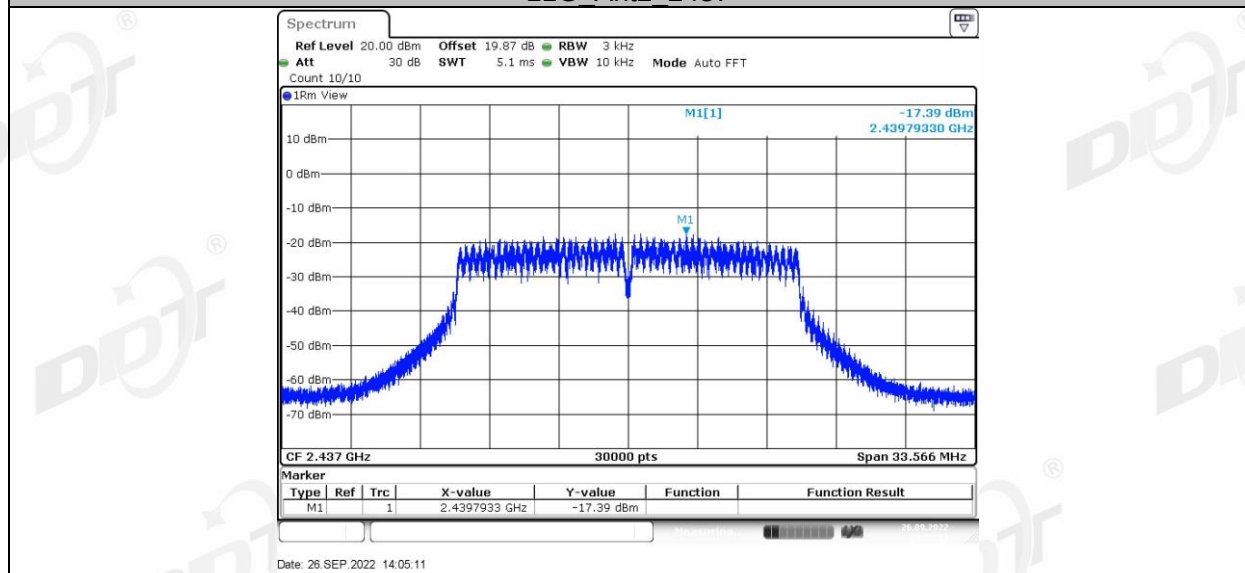
11G_Ant2_2412



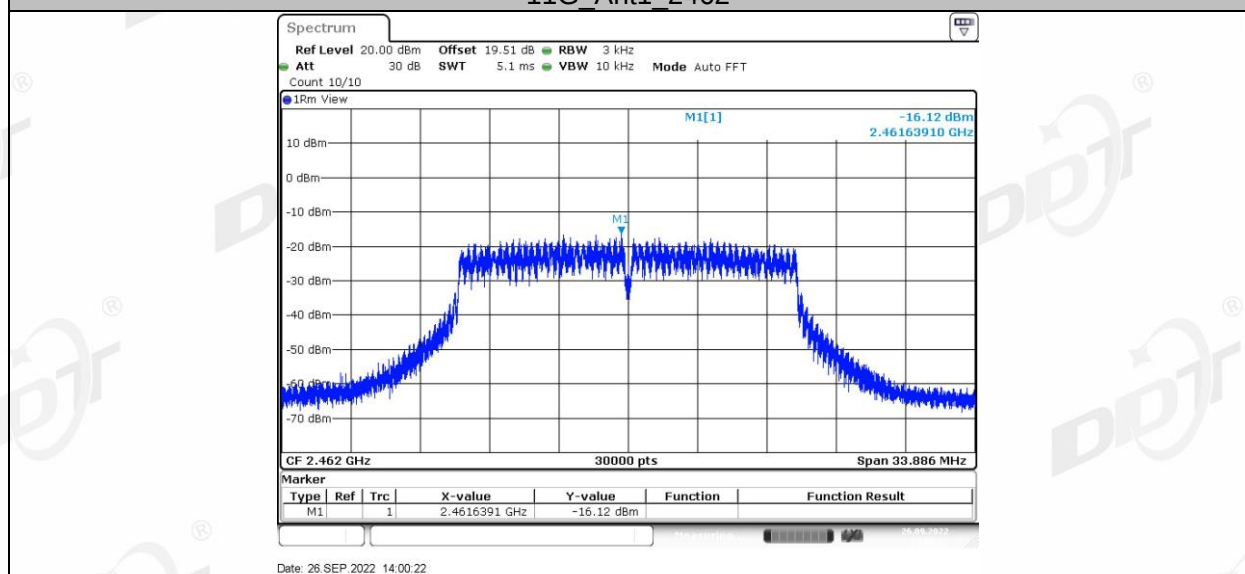
11G_Ant1_2437



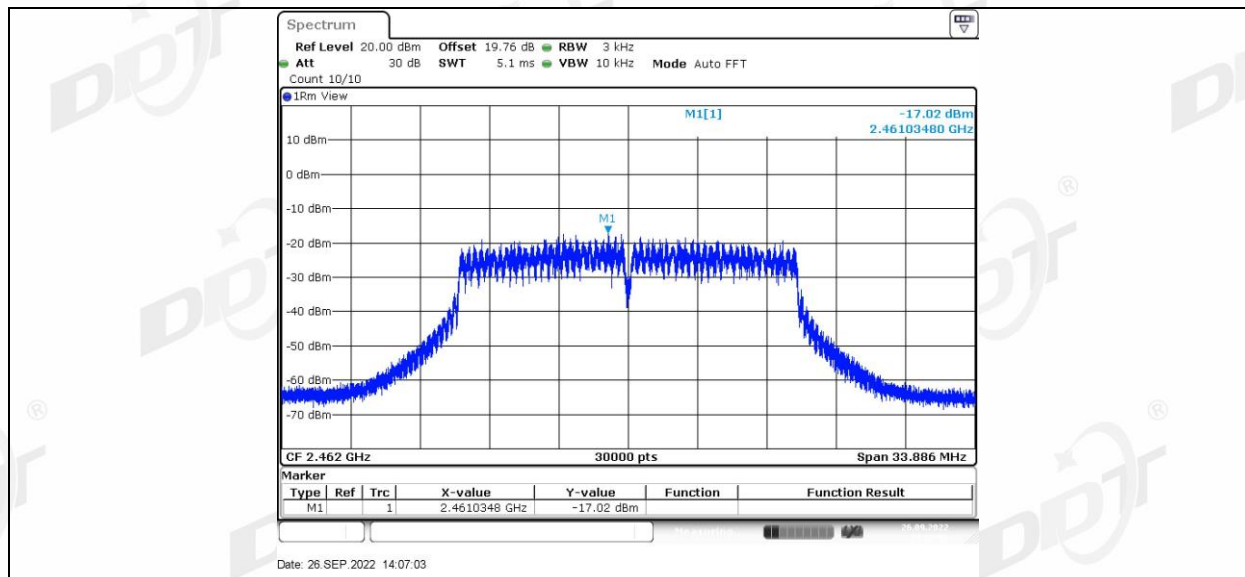
11G_Ant2_2437



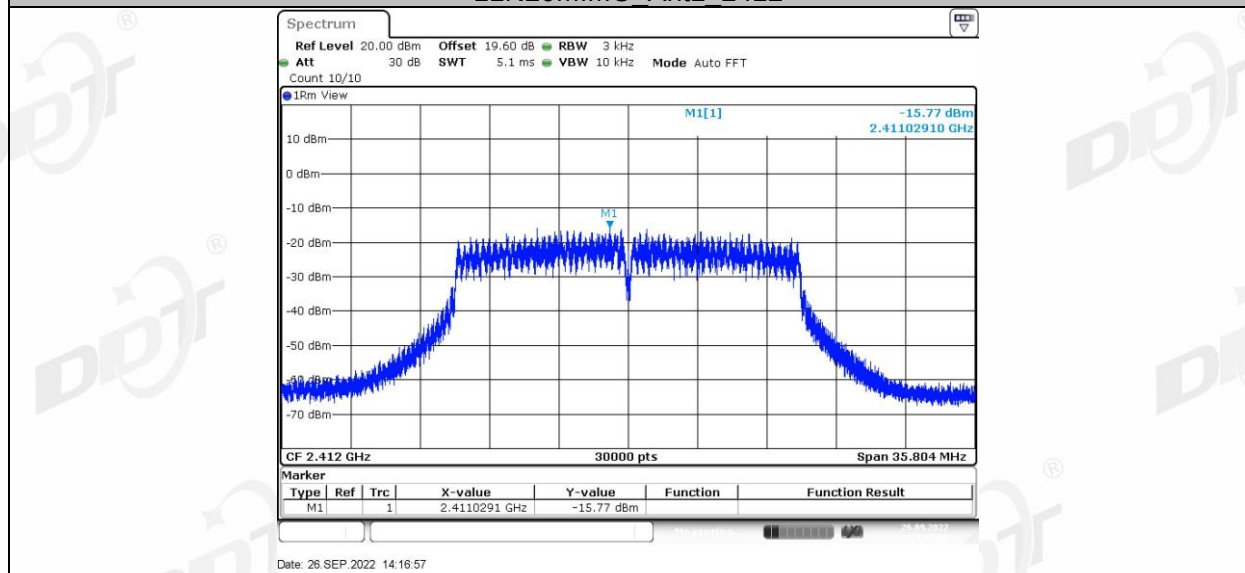
11G_Ant1_2462



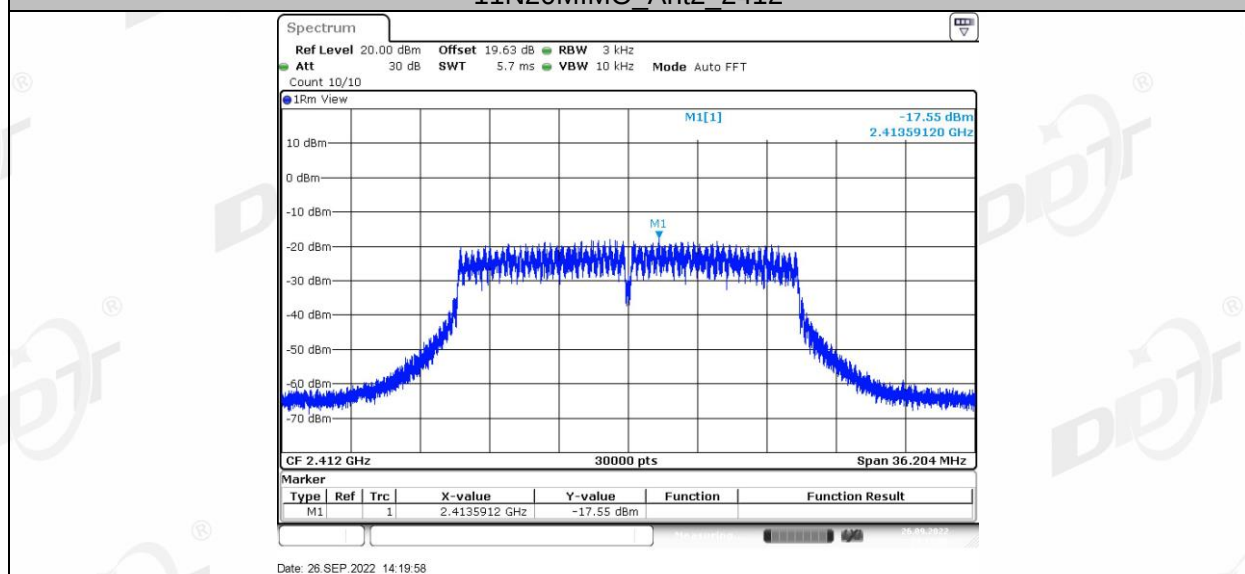
11G_Ant2_2462



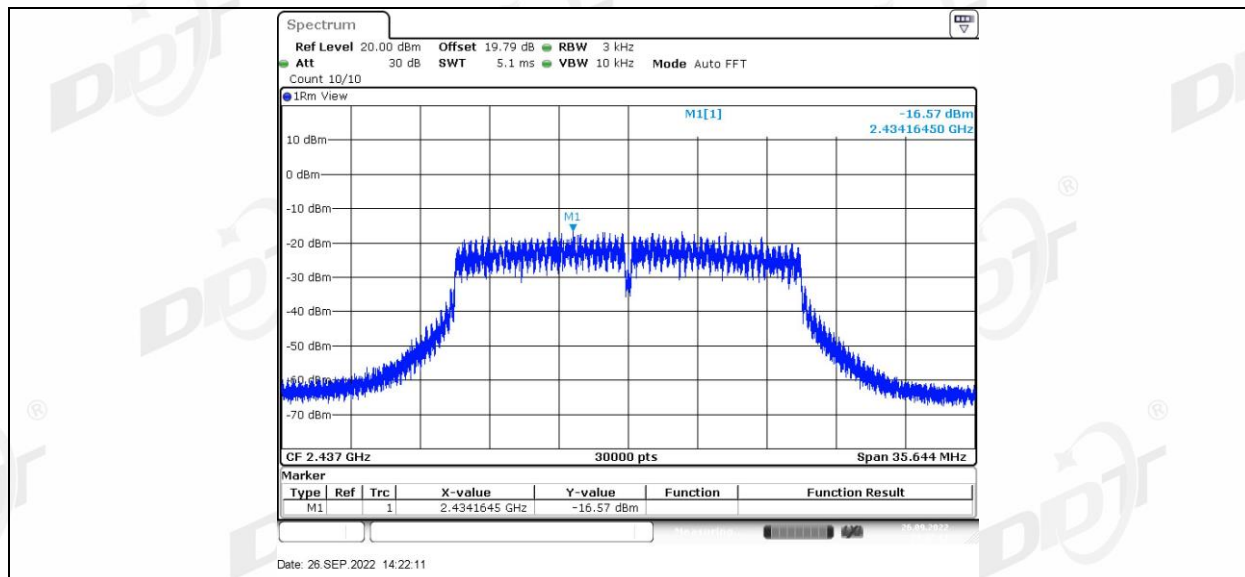
11N20MIMO_Ant1_2412



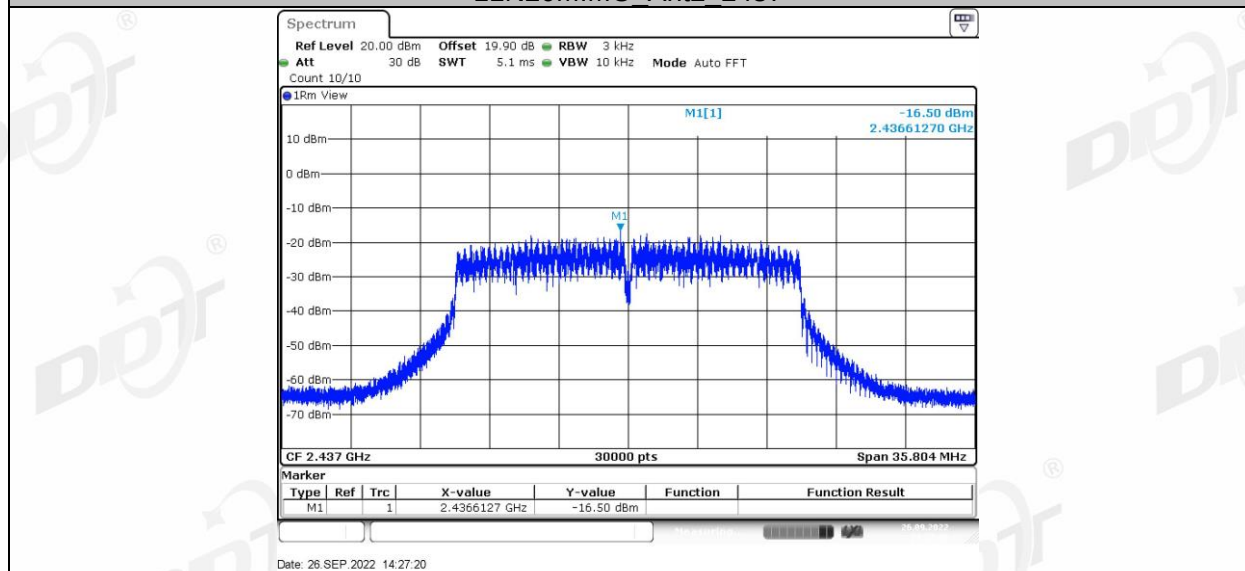
11N20MIMO_Ant2_2412



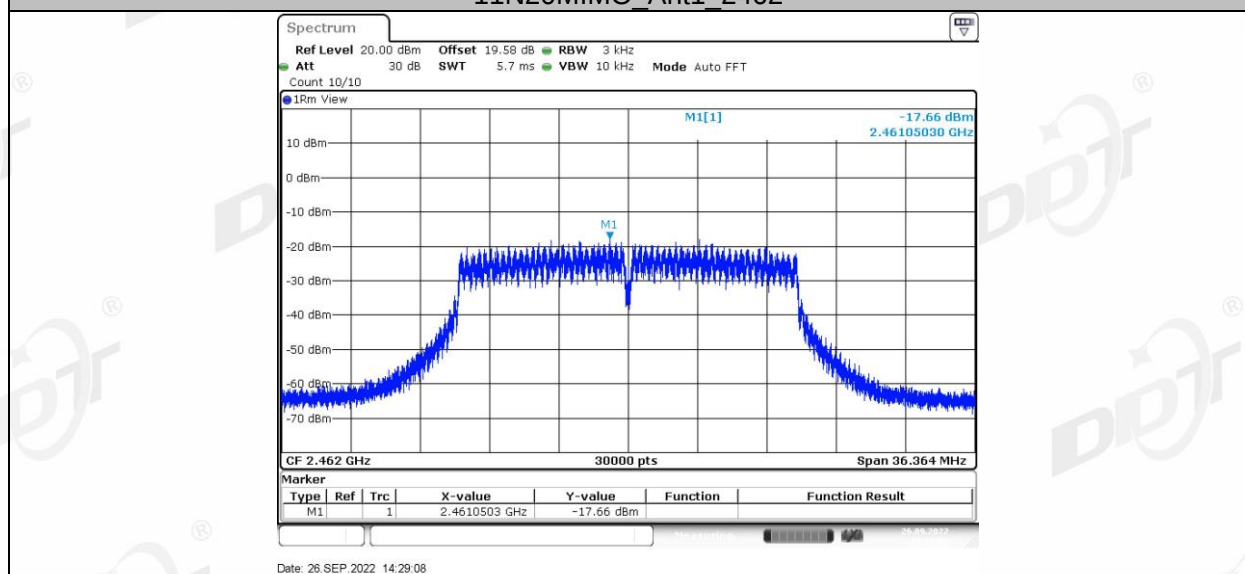
11N20MIMO_Ant1_2437



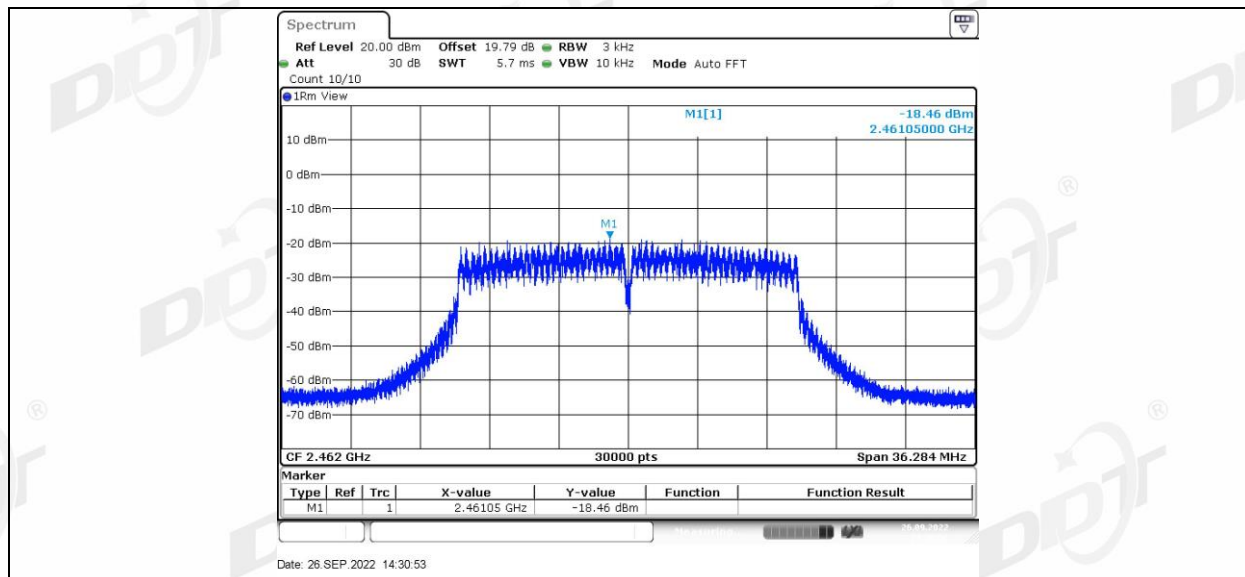
11N20MIMO_Ant2_2437



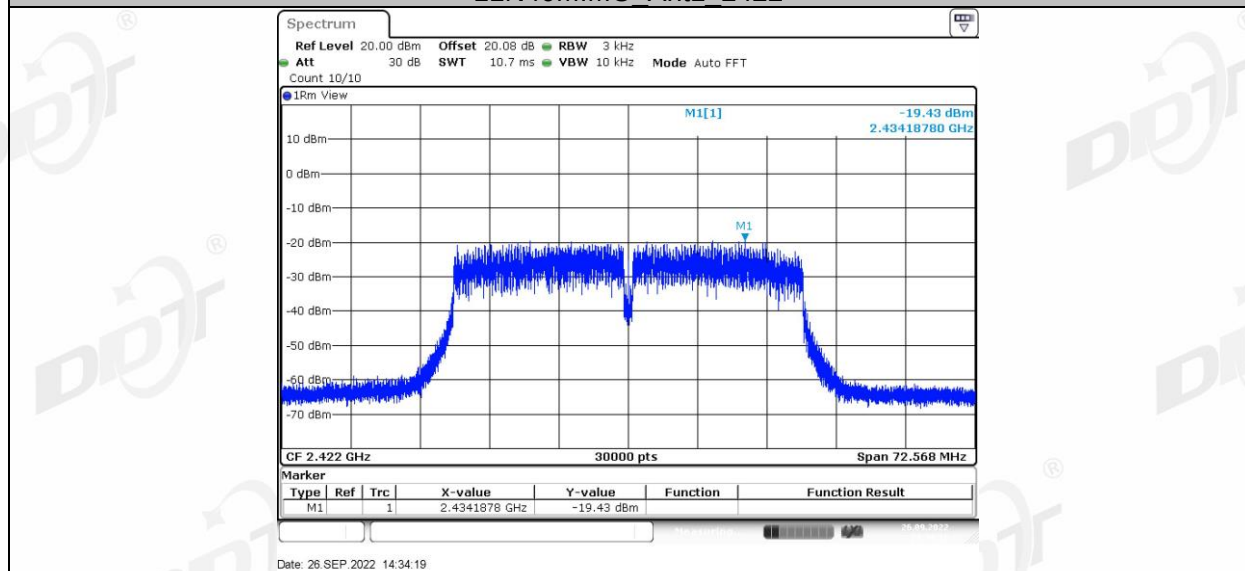
11N20MIMO_Ant1_2462



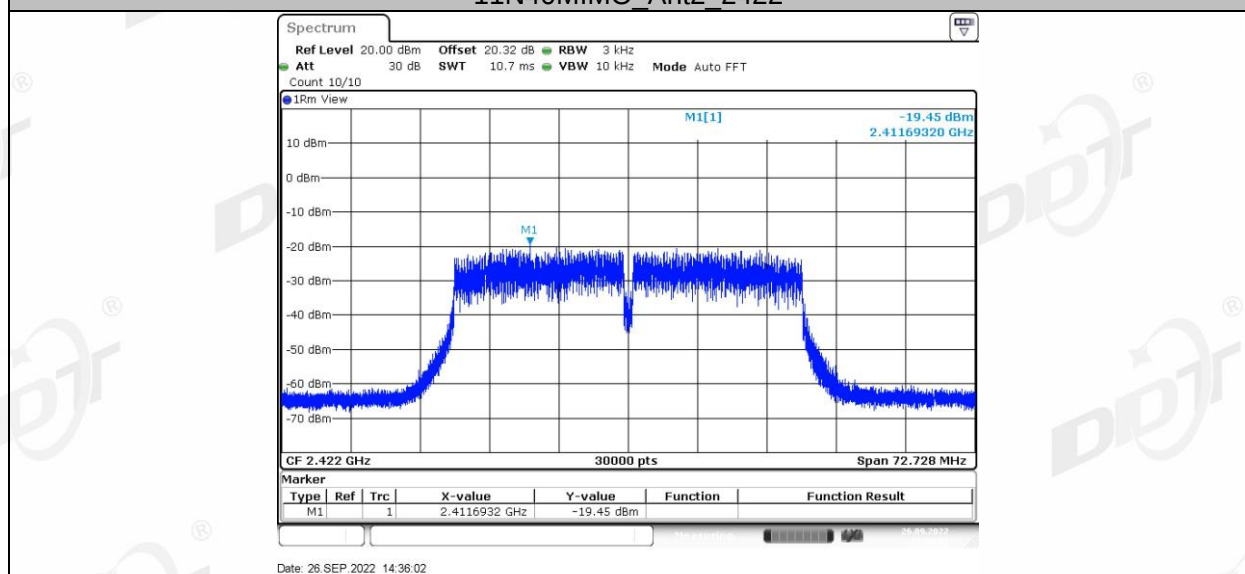
11N20MIMO_Ant2_2462



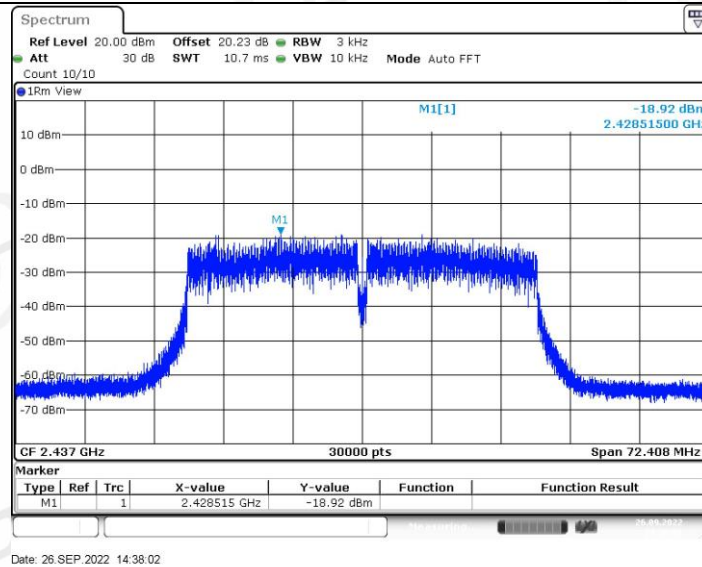
11N40MIMO_Ant1_2422



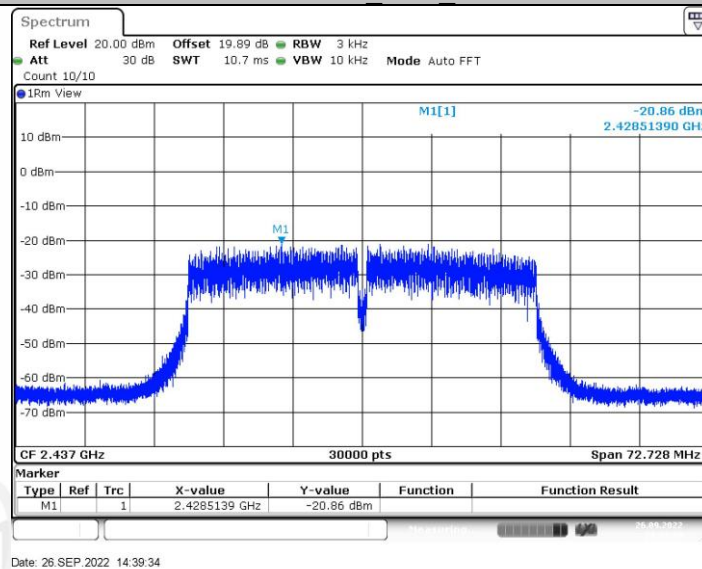
11N40MIMO_Ant2_2422



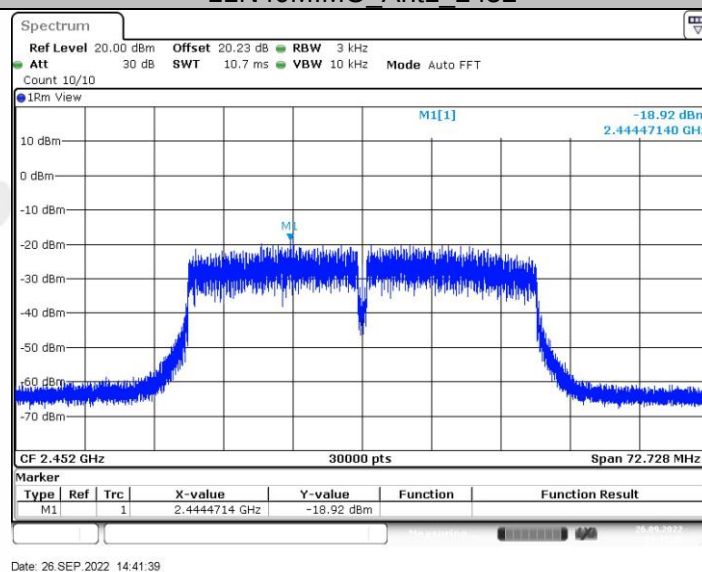
11N40MIMO_Ant1_2437



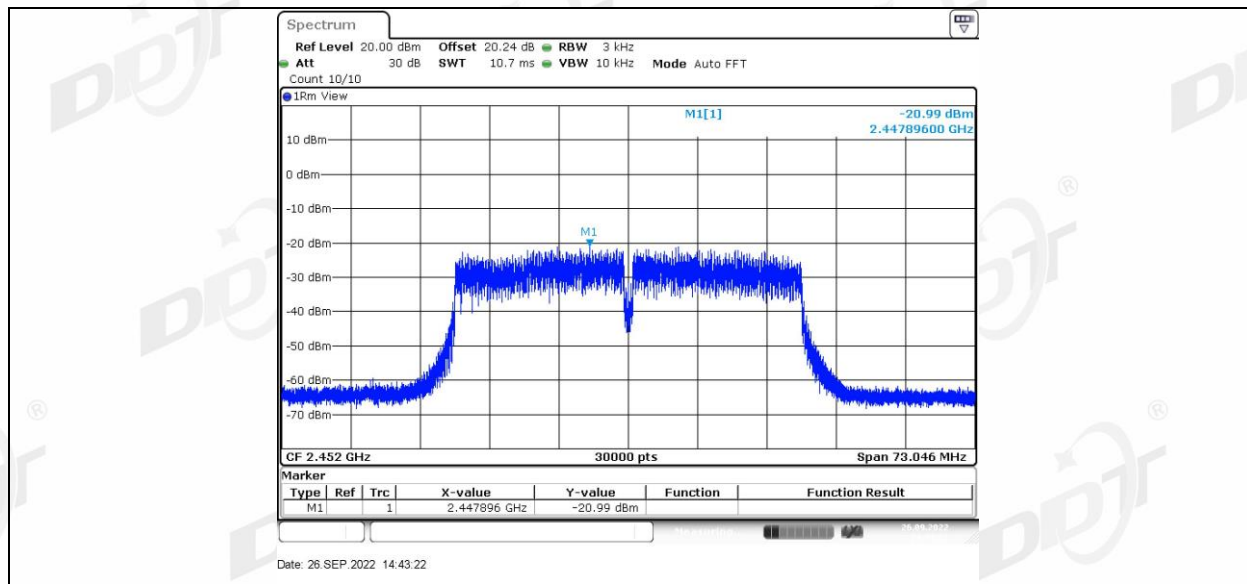
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



7. Band Edge Compliance (Conducted Method)

7.1. Block diagram of test setup

Same as section 4.1

7.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

7.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:

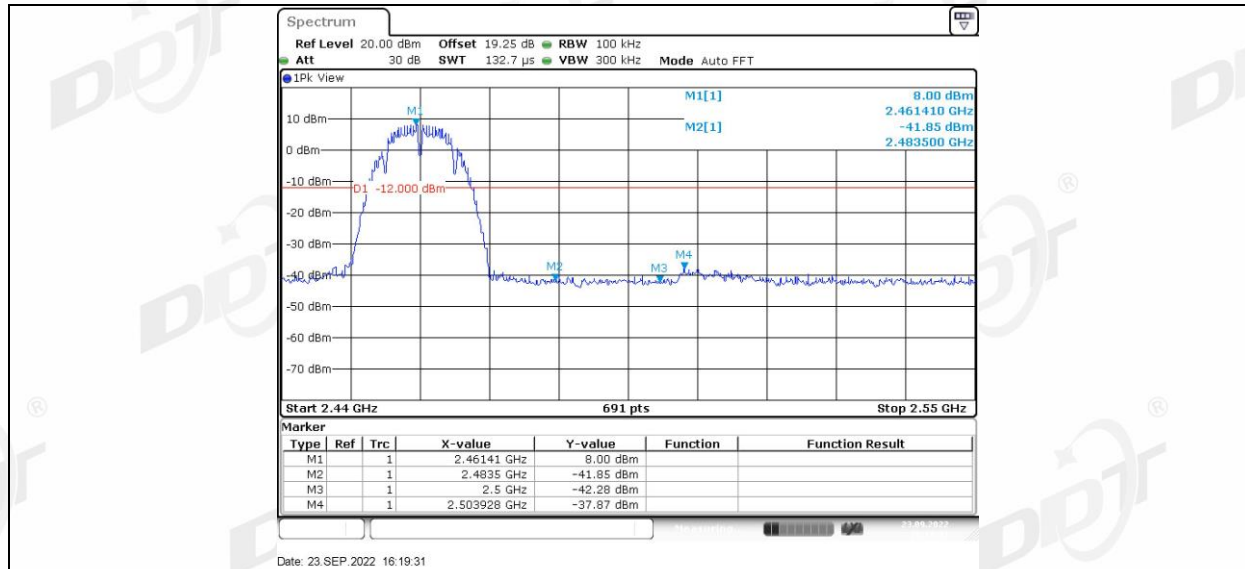
RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold
- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Then mark the maximum amplitude of all unwanted emissions outside of the authorized frequency band.

7.4. Test result

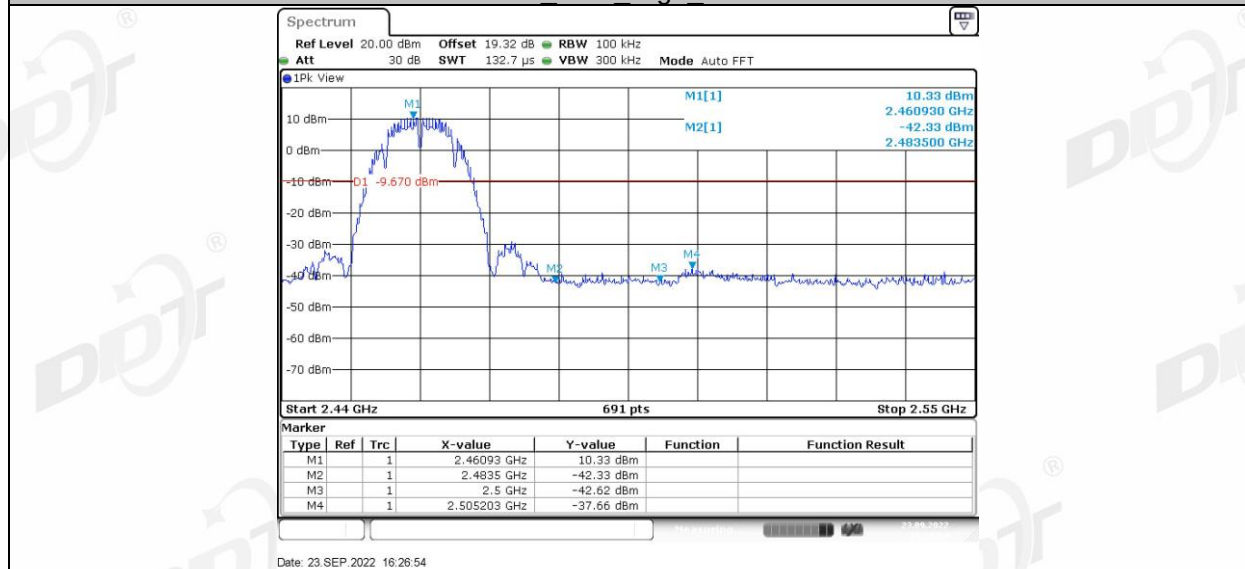
EUT Set Mode	CH or Frequency	Result (dBm)	EUT Set Mode	CH or Frequency	Result Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	11n HT 40	CH3	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH9	Pass

7.5. Original test data

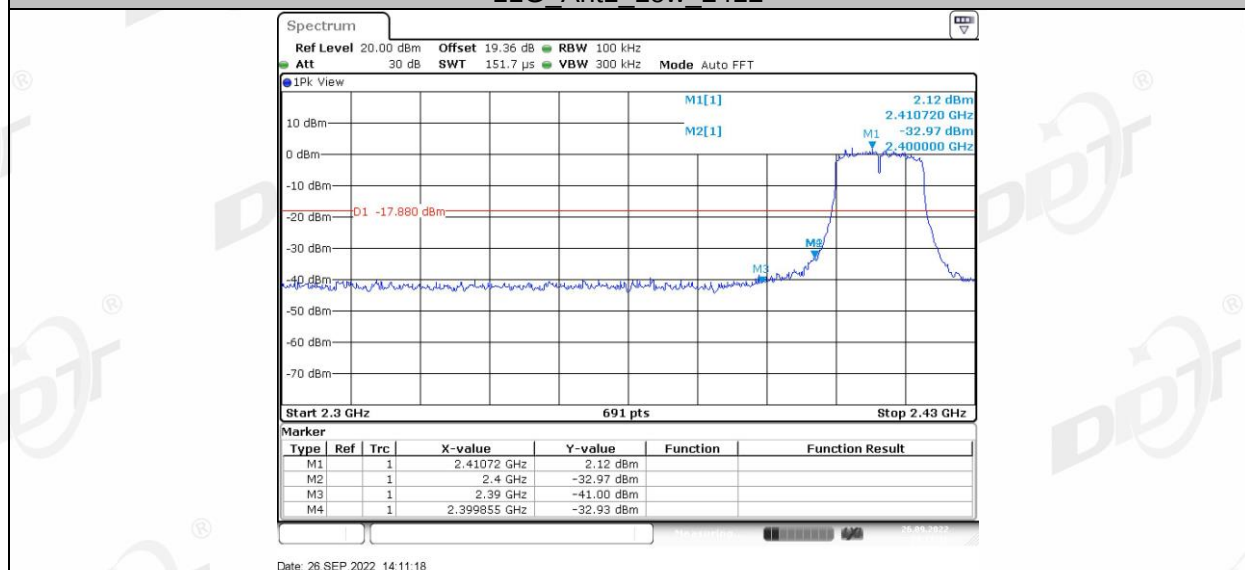




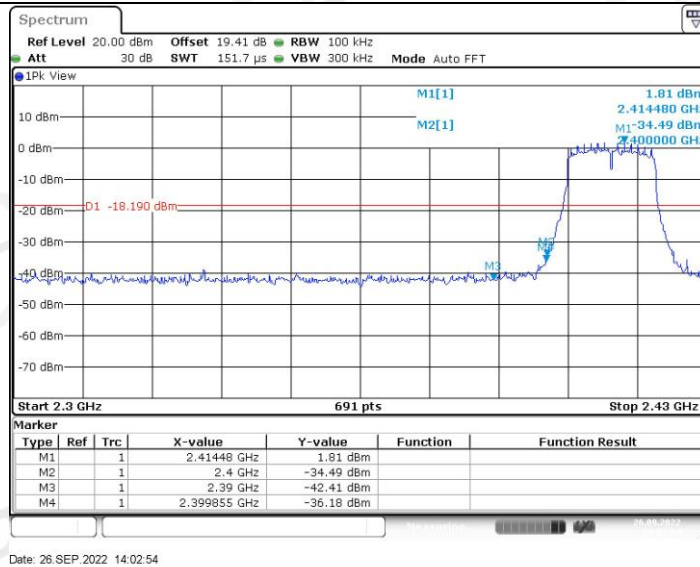
11B Ant2 High 2462



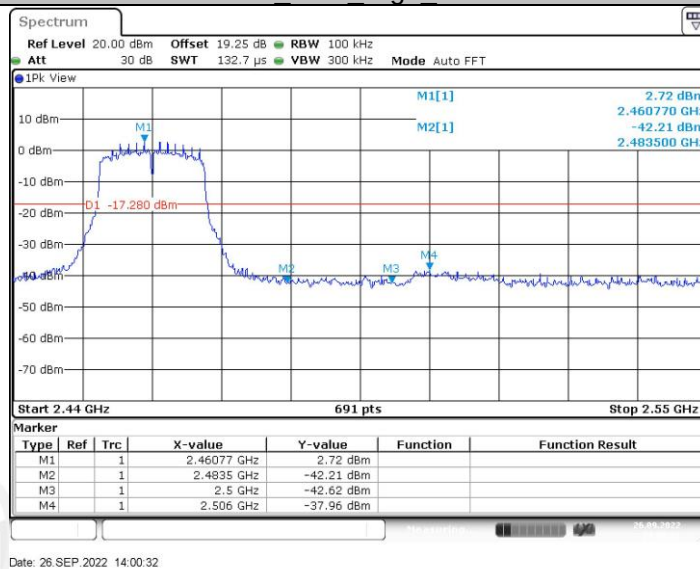
11G Ant1 Low 2412



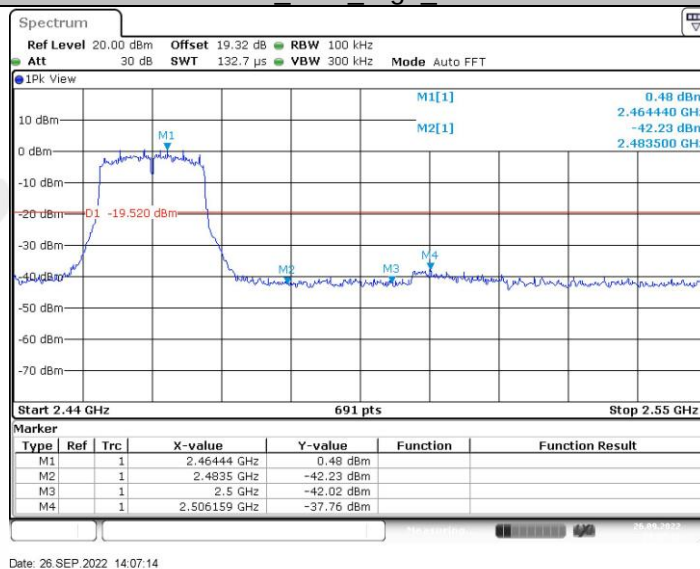
11G Ant2 Low 2412



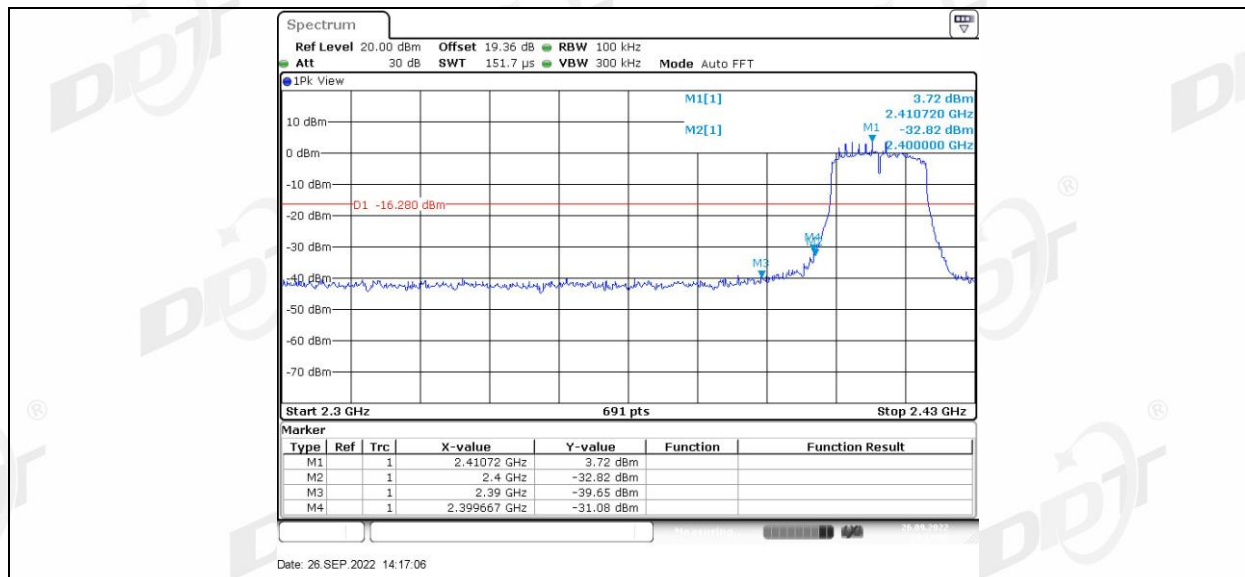
11G Ant1_High_2462



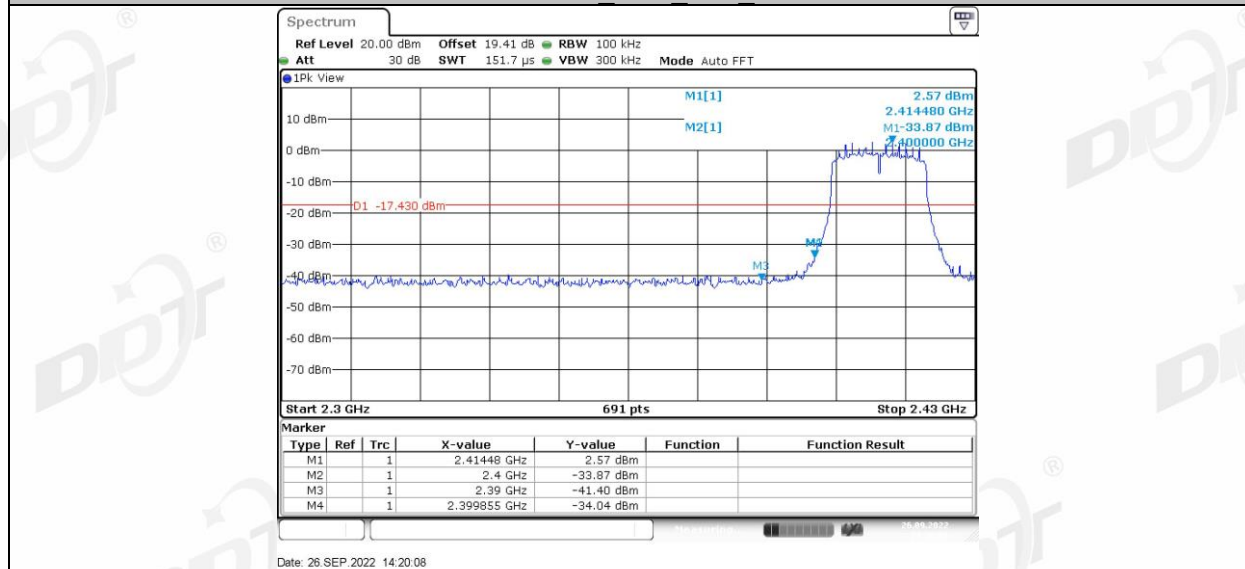
11G Ant2_High_2462



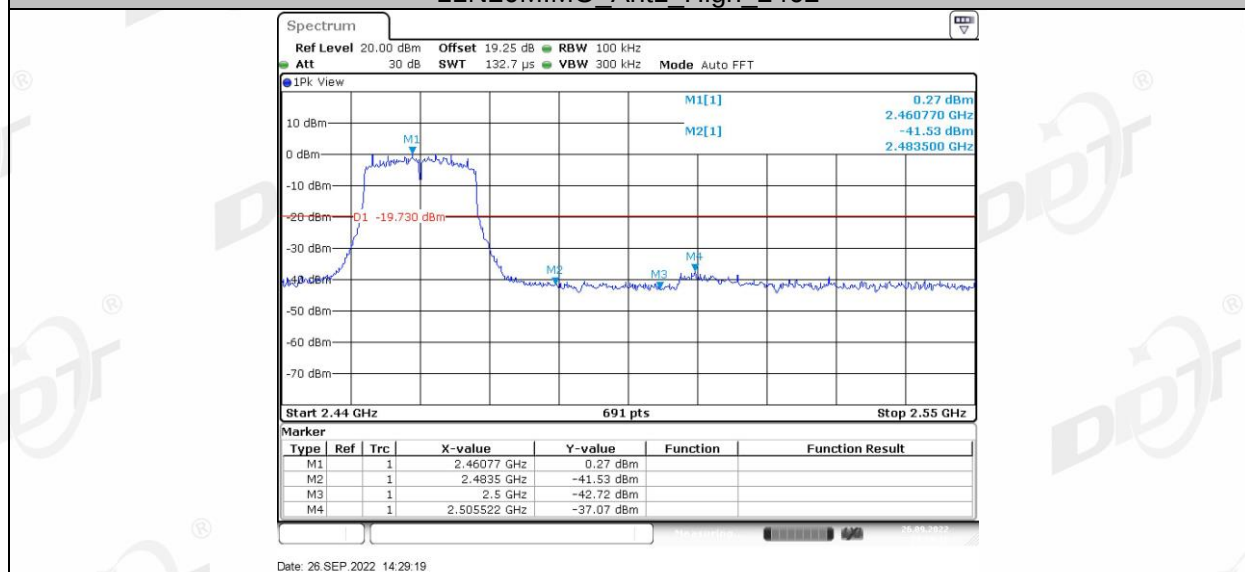
11N20MIMO Ant1_Low_2412



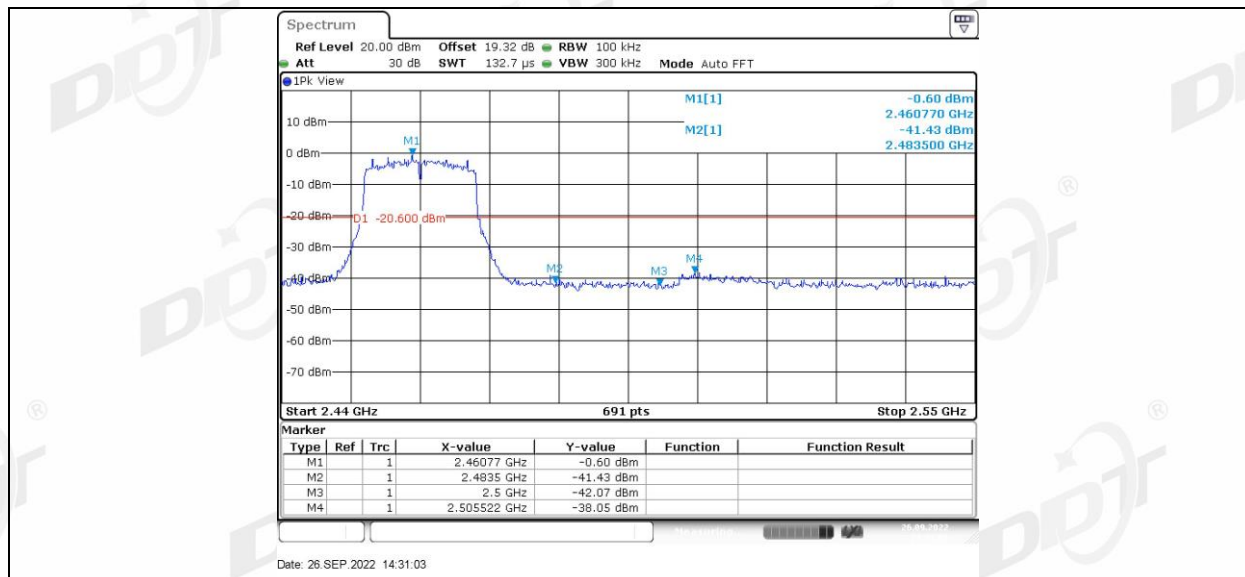
11N20MIMO Ant2 Low 2412



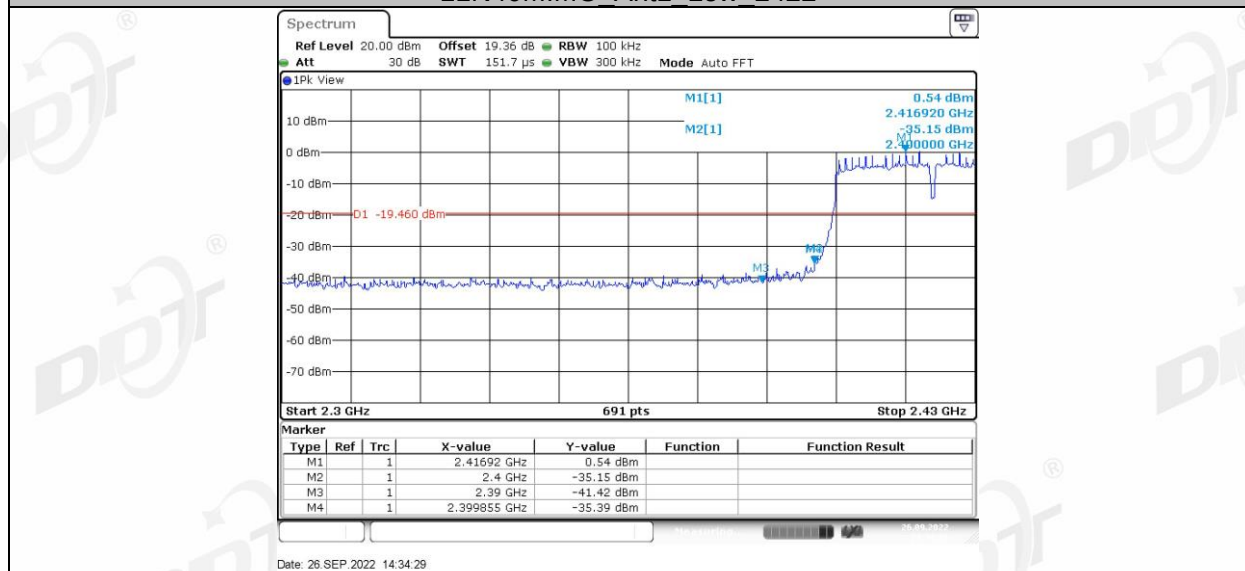
11N20MIMO Ant1 High 2462



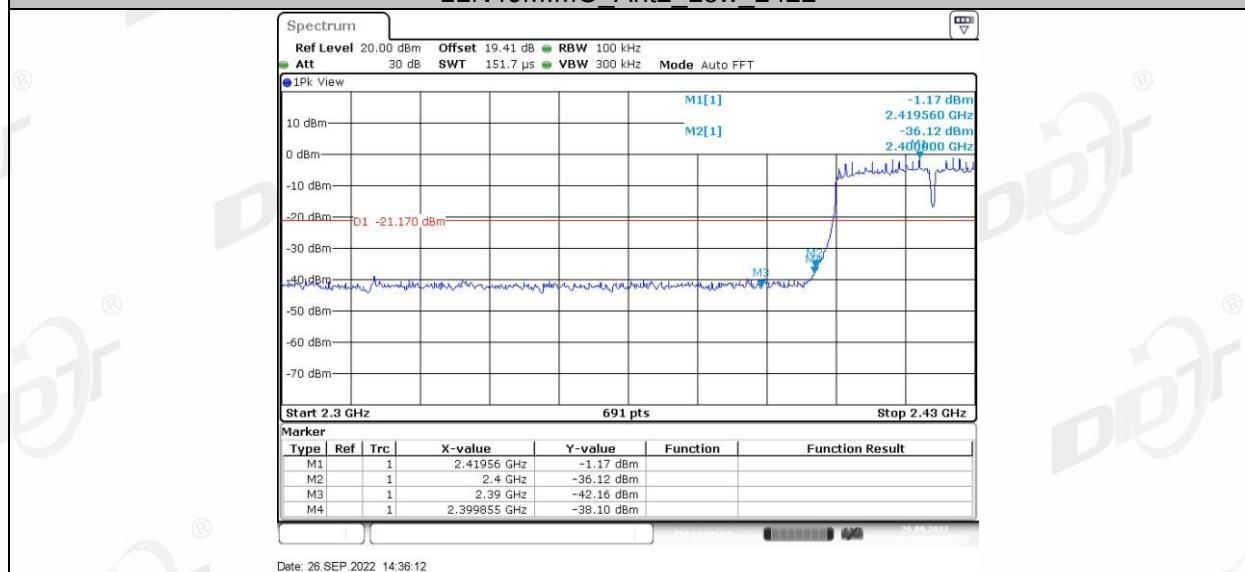
11N20MIMO Ant2 High 2462



11N40MIMO Ant1 Low 2422



11N40MIMO Ant2 Low 2422



11N40MIMO Ant1 High 2452