

# FCC TEST REPORT

For

**Mobile Phone**

**Model Number: V2352**

**FCC ID: 2AUCY-V2352**

**Report Number : WT248000640**

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Inspection  
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## Revision History

No	Date	Remark
V1.0	<u>2024.04.24</u>	Initial issue

## TEST REPORT DECLARATION

Applicant : vivo Mobile Communication Co., Ltd.  
Address : No.1, vivo Road, Chang'an, Dongguan, Guangdong, China  
Manufacturer : vivo Mobile Communication Co., Ltd.  
Address : No.1, vivo Road, Chang'an, Dongguan, Guangdong, China  
EUT Description : Mobile Phone  
Model No. : V2352  
Trade mark : vivo  
FCC ID : 2AUCY-V2352

Test Standards:

### FCC Part 15 Subpart C

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results, unless they depend on the manufacturer information.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer: 陈司林 Date: Apr.24, 2024  
(Chen Silin 陈司林)  
Checked by: 万晓婧 Date: Apr.24, 2024  
(Wan Xiaojing 万晓婧)  
Approved by: 林斌 Date: Apr.24, 2024  
(Lin Bin 林斌)

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## 1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	FCC Rules	Test Results
6dB DTS bandwidth measurement	15.247 (a) (2)	Pass
Maximum Peak Conducted Power	15.247 (b) (3)	Pass
Maximum Power Spectral Density Level	15.247 (e)	Pass
Conducted Bandedge and Spurious	15.247 (d)	Pass
Radiated Bandedge and Spurious	15.247 (d) 15.209 15.205	Pass
Conducted emission test for AC power port	15.207	Pass
Antenna Requirement	15.203	Pass

Remark: "N/A" means "Not applicable."

## **2. GENERAL INFORMATION**

### **2.1. Report information**

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting for false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

### **2.2. Laboratory Accreditation and Relationship to Customer**

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078 and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for

Laboratory Accreditation (A2LA) and certificate number is 3292.01.

### **2.3. Measurement Uncertainty**

Conducted Emission

9 kHz~150 kHz U=3.7dB k=2

150 kHz~30MHz U=3.3dB k=2

Radiated Emission

30MHz~1000MHz U=4.3dB k=2

1GHz~6GHz U=4.6 dB k=2

6GHz~40GHz U=5.1dB k=2



### 3. PRODUCT DESCRIPTION

NOTE: The extreme test conditions for temperature and antenna gain were declared by the manufacturer.

#### 3.1. EUT Description

Description : Mobile Phone  
 Manufacturer : vivo Mobile Communication Co., Ltd.  
 Model Number : V2352  
 Operate Frequency : 2.412GHz~2.462GHz  
 Antenna Designation : IFA -0.38 dBi  
 Operating voltage : DC 3.7 V (Low)/ DC 3.91 V (Nominal)/ DC 4.4 V (Max)  
 Software Version : PD2365F\_EX\_A\_14.0.5.3.W30  
 Hardware Version : MP\_0.1

Remark: There are two types of shielding covers for the EUT mainboard, see the internal photos for details.

WLAN:

Table 2 Working Frequencies Lists (802.11b, 802.11g, 802.11n HT20, 802.11 VHT20)

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

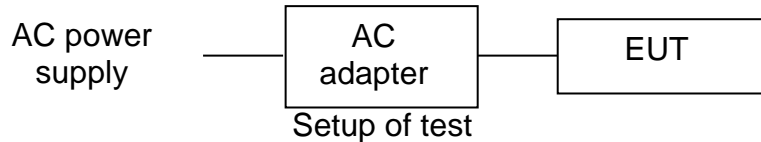
Table 3 Working Frequencies Lists (802.11n HT40, 802.11 VHT40)

Channel	Frequency	Channel	Frequency
3	2422MHz	8	2447MHz
4	2427MHz	9	2452MHz
5	2432MHz	---	---
6	2437MHz	---	---
7	2442MHz	---	---

### 3.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **2AUCY-V2352** filing to comply with Section 15.207, 15.209, 15.247 of the FCC Part 15, Subpart C Rules.

### 3.3. Block Diagram of EUT Configuration



### 3.4. Operating Condition of EUT

The Radiated spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (X plane).

Worst-case mode and channel used for 30-1000 MHz radiated and power line conducted emissions was the mode and channel with the highest output power.

Worst-case data rates as provided by the client were:

802.11b mode: 1 Mbps

802.11g mode: 6 Mbps

802.11n HT20 mode: MCS0

802.11n HT40 mode: MCS0

802.11 VHT20 mode: MCS0

802.11 VHT40 mode: MCS0

### 3.5. Directional Antenna Gain

Directional gain need NOT to be considered.

### 3.6. Support Equipment List

Table 4 Support Equipment List

Name	Model No	S/N	Manufacturer
Adapter for EUT	V4440L0A0-US	---	Dongguan Aohai Technology Co.,Ltd
Rechargeable Li-ion Polymer Battery for EUT	BA45	---	Sunwoda Electronic Co., Ltd.
USB Cable for EUT	BK-C-49-B	---	---

### 3.7. Test Conditions

Date of test: Apr.07, 2024- Apr.22, 2024

Date of EUT Receive: Apr.02, 2024

Temperature: 21°C-26°C

Relative Humidity: 35%-52%

### 3.8. Special Accessories

Not available for this EUT intended for grant.

### 3.9. Equipment Modifications

Not available for this EUT intended for grant.

#### 4. TEST EQUIPMENT USED

Table 5 Test Equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB9054/05	Test Receiver	R&S	ESCI	Jun.30, 2023	1 Year
SB4357	AMN	R&S	ENV216	Aug.21, 2023	1 Year
SB9549	Shielded Room	Albatross	SR	Aug.30, 2023	1 Year
SB15044/01	Test Receiver	R&S	ESW8	Sep.12, 2023	1 Year
SB3345	Loop Antenna	Schwarzbeck	FMZB1516-113	Jan.12, 2024	1 Year
SB18856	Broadband Antenna	SCHWARZBECK	VULB9163	Sep.06, 2023	1 Year
SB9422/16	Horn Antenna	R&S	HF907	Mar.14, 2024	1 Year
SB18844	Semi Anechoic Chamber	Albatross	9×6×6(m)	Mar.19, 2024	1 Year
SB8501/09	Test Receiver	R&S	ESU40	Jan.17, 2024	1 Year
SB3435	Horn Antenna	R&S	HF906	Nov.21, 2023	1 Year
SB9058/03	Pre-Amplifier	R&S	SCU 18	Jan.16, 2024	1 Year
SB8501/11	Antenna	R&S	3160-09	Feb.22, 2023	3 Years
SB8501/16	Pre-Amplifier	R&S	SCU-26	Jan.16, 2024	1 Year
SB9555/02	Fully Anechoic Chamber	Albatross	10.0×5.2×5.4(m)	Aug.15, 2023	1 Year
SB18161	Spectrum Analyzer	R&S	FSV3030	Apr.24, 2023	1 Year

Table 6 Test software

Name	Manufacturer	Version
Bluetooth and WiFi Test System	Shenzhen JS tonscond co.,ltd	3.3.10

## 5. DUTY CYCLE

### 5.1. LIMITS OF DUTY CYCLE

None; for reporting purposes only

### 5.2. TEST PROCEDURE

1. Set span = Zero
2. RBW = 10MHz
3. VBW = 10MHz,
4. Detector = Peak

### 5.3. TEST SETUP

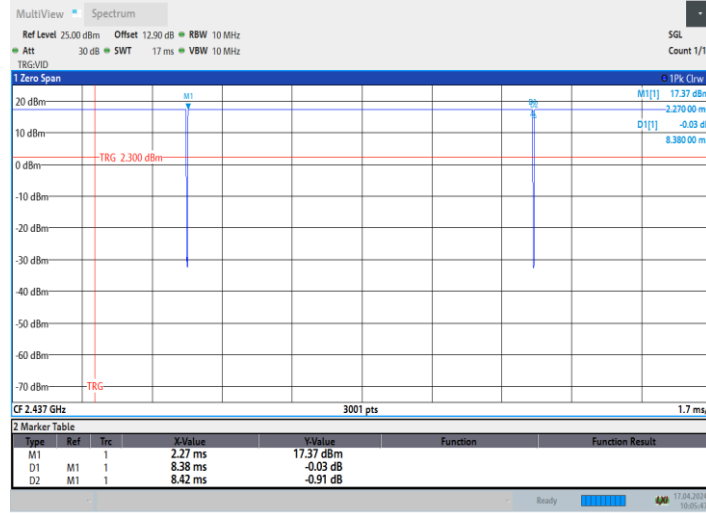


### 5.4. TEST DATA

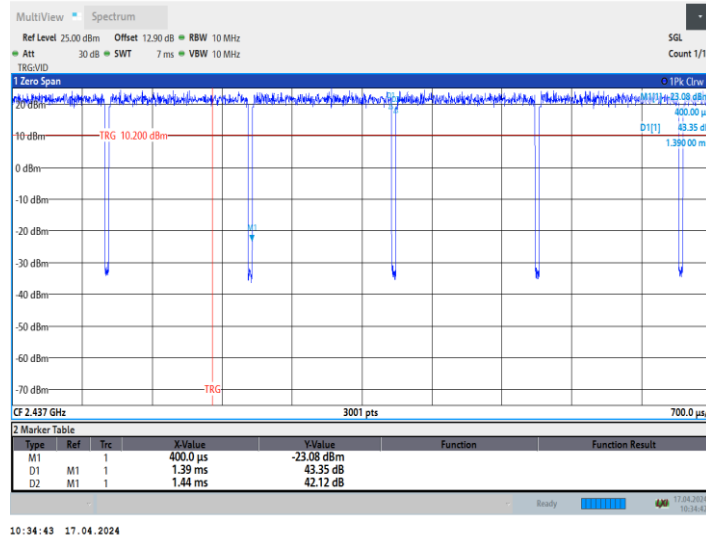
Table 7 Duty Cycle Test Data

Test Mode	On Time (ms)	Duty Cycle (%)	Duty Factor	1/T Minimum VBW (kHz)
802.11b	8.38	99.52	0	0.01
802.11g	1.39	96.53	0.15	0.01
802.11n HT20	1.29	96.99	0.13	0.01
802.11n HT40	0.64	94.12	0.26	0.01
802.11 VHT20	1.31	97.04	0.13	0.01
802.11 VHT40	0.65	92.86	0.32	0.01

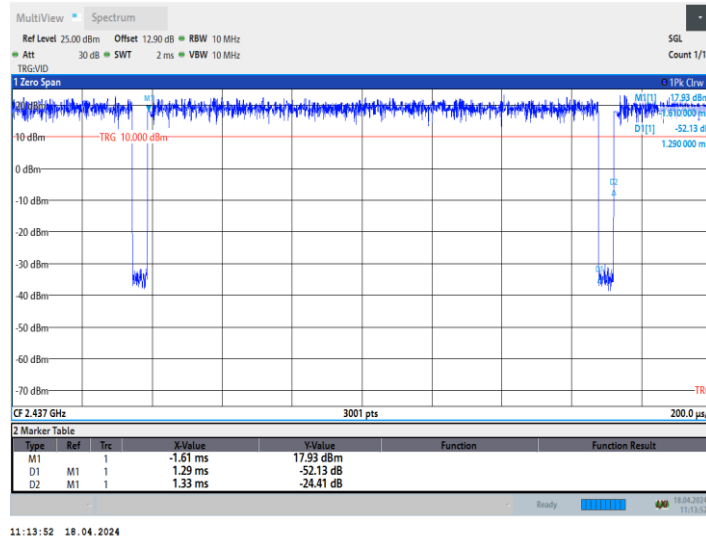
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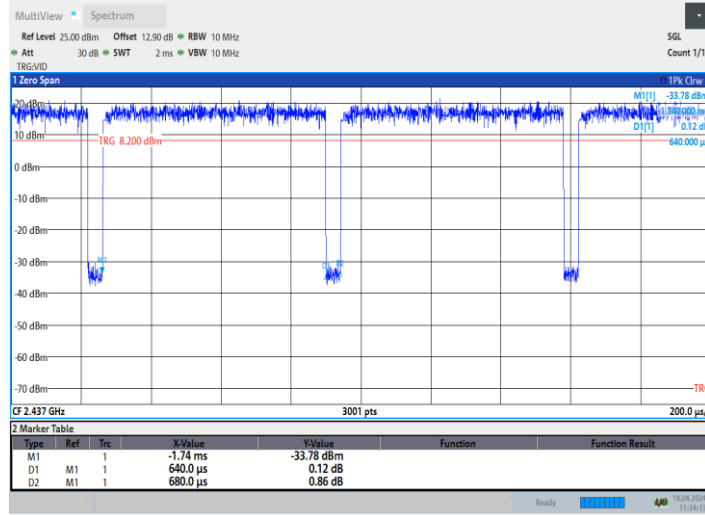
### 11G\_Ant1\_2437



### 11N20SISO\_Ant1\_2437

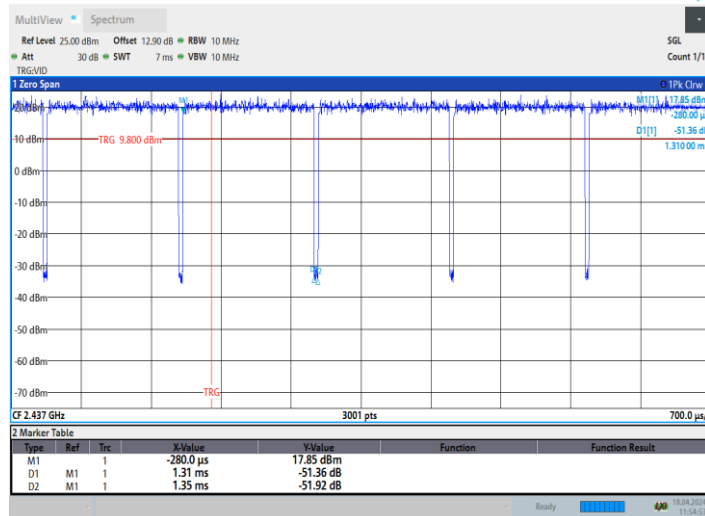


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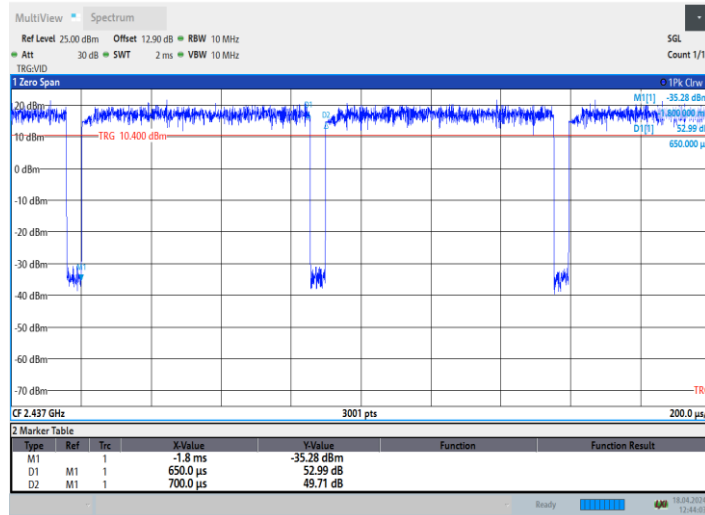
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802.11 VHT20SISO\_Ant1\_2437



11:54:53 18.04.2024

802.11 VHT40SISO\_Ant1\_2437



12:44:03 18.04.2024

## 6. 6DB BANDWIDTH MEASUREMENT

### 6.1.LIMITS OF 6dB BANDWIDTH MEASUREMENT

CFR 47 (FCC) part 15.247 (a) (2)

### 6.2.TEST PROCEDURE

ANSI C63.10-2013 Clause 11.8

The transmitter output was connected to the spectrum analyzer.

- a) Set RBW = 100 kHz.
- b) Set the VBW  $\geq [3 \times \text{RBW}]$ .
- c)Detector = Peak.
- d)Trace mode = max hold.
- e)Sweep = auto couple.
- f)Allow the trace to stabilize.
- g)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

### 6.3.TEST SETUP



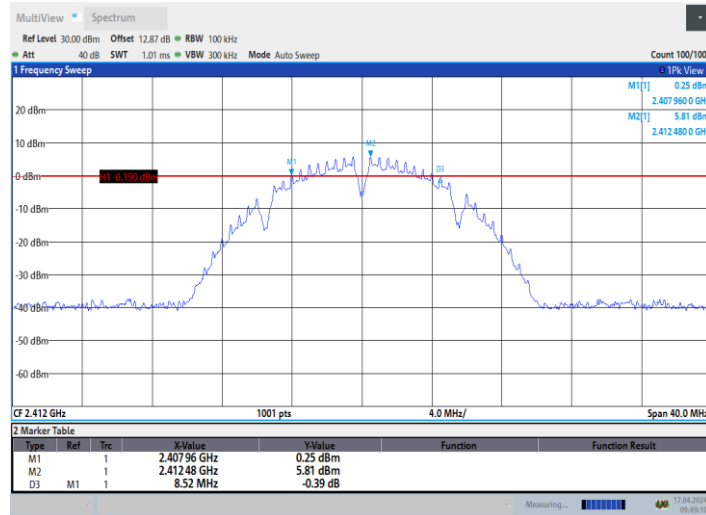
### 6.4. Test Data

6dB Bandwidth Test Data

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.52	2407.96	2416.48	0.5	PASS
		2437	8.08	2432.96	2441.04	0.5	PASS
		2462	8.08	2457.96	2466.04	0.5	PASS
11G	Ant1	2412	15.36	2404.40	2419.76	0.5	PASS
		2437	15.36	2429.40	2444.76	0.5	PASS
		2462	15.72	2454.40	2470.12	0.5	PASS
11N20SISO	Ant1	2412	15.96	2404.40	2420.36	0.5	PASS
		2437	15.12	2429.44	2444.56	0.5	PASS
		2462	16.08	2454.40	2470.48	0.5	PASS
11N40SISO	Ant1	2422	34.96	2405.20	2440.16	0.5	PASS
		2437	35.12	2419.48	2454.60	0.5	PASS
		2452	36.08	2434.00	2470.08	0.5	PASS
802.11 VHT20SISO	Ant1	2412	15.32	2404.44	2419.76	0.5	PASS
		2437	15.16	2429.40	2444.56	0.5	PASS
		2462	16.12	2454.40	2470.52	0.5	PASS
802.11	Ant1	2422	35.36	2404.64	2440.00	0.5	PASS

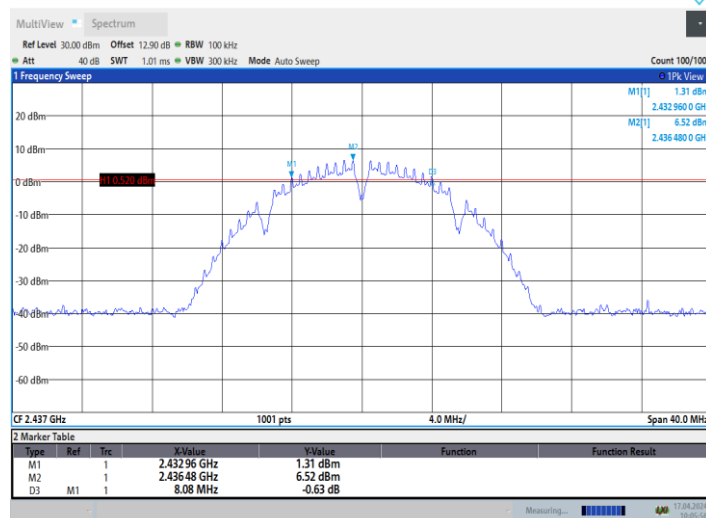
VHT40SISO	2437	34.64	2419.80	2454.44	0.5	PASS
	2452	35.92	2434.08	2470.00	0.5	PASS

11B\_Ant1\_2412



09:49:11 17.04.2024

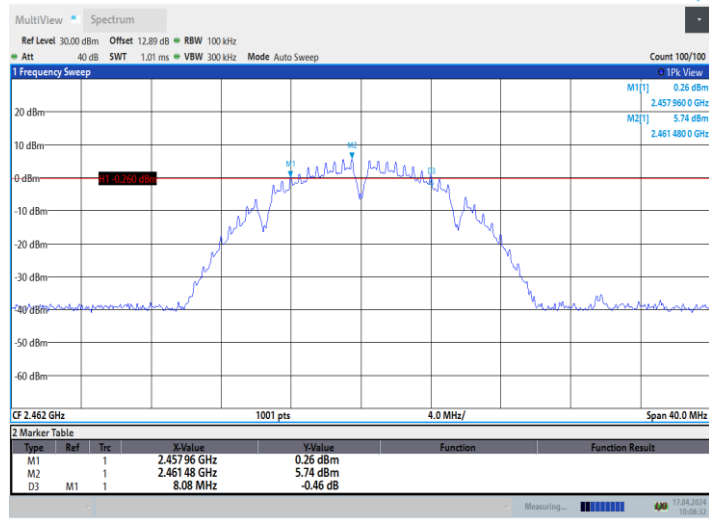
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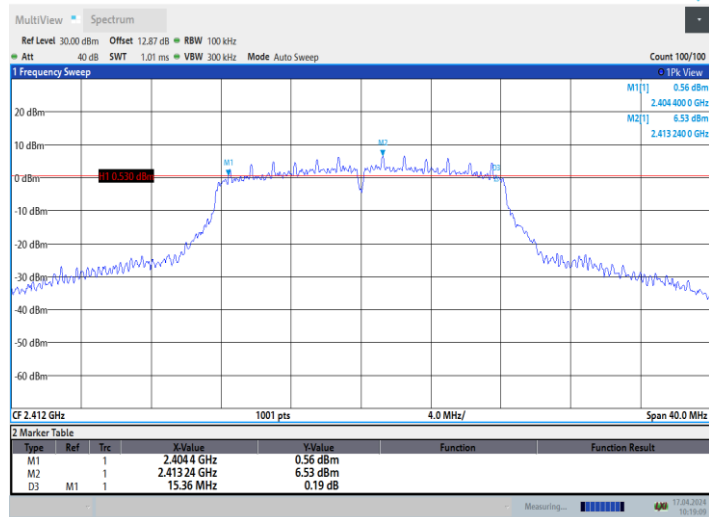
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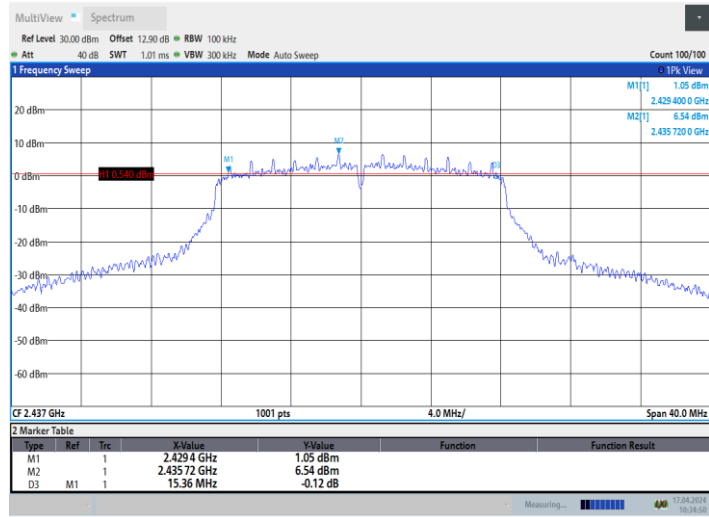
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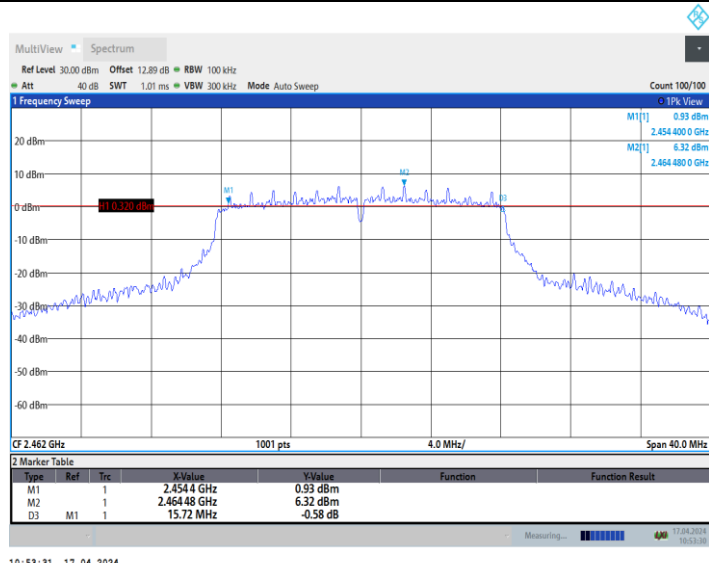
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11G\_Ant1\_2437



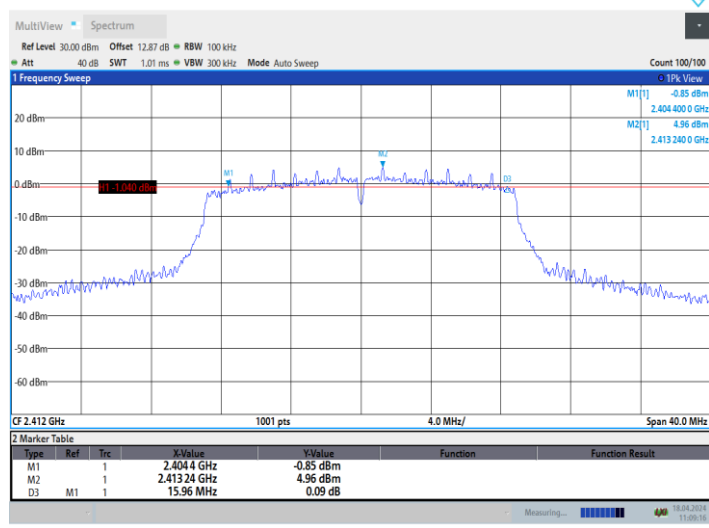
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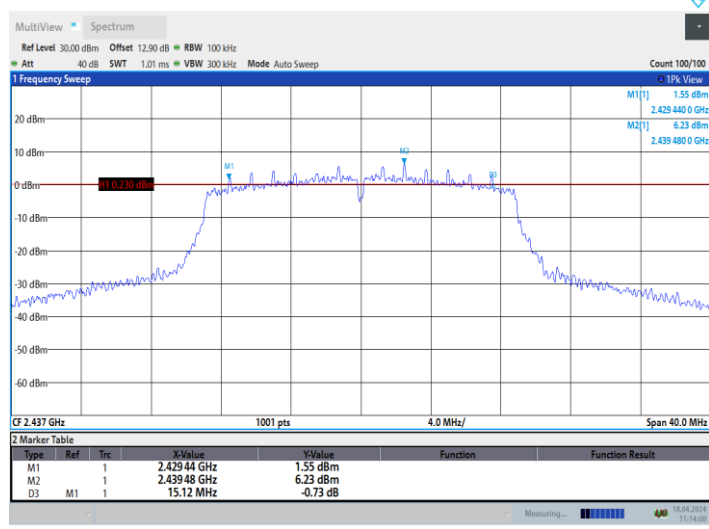
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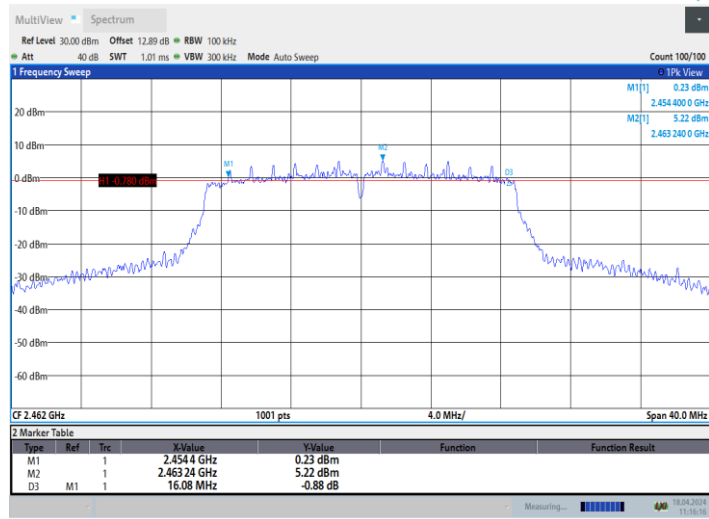
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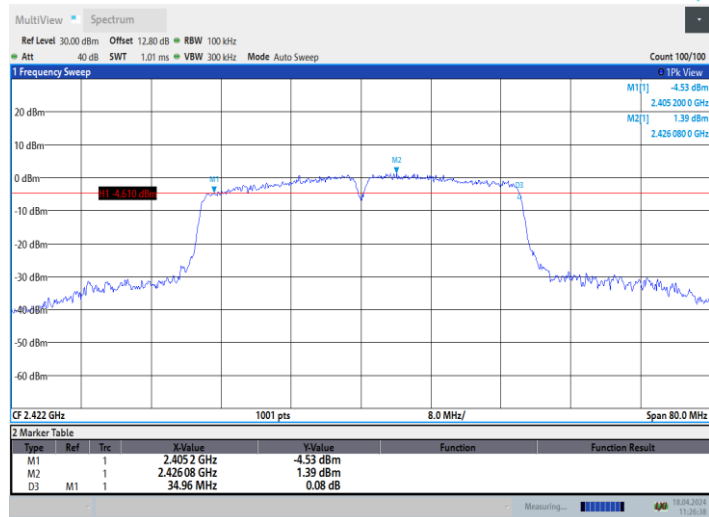
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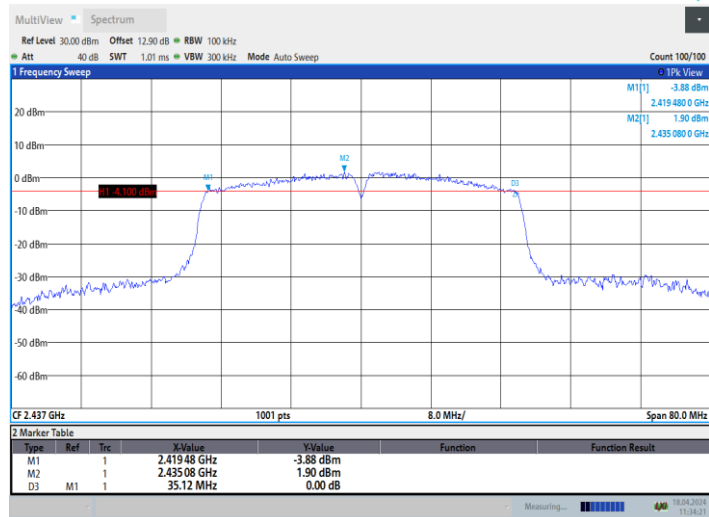
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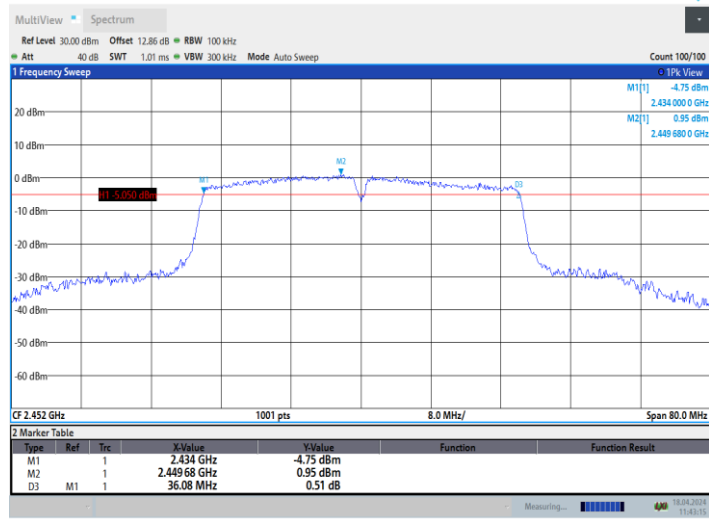
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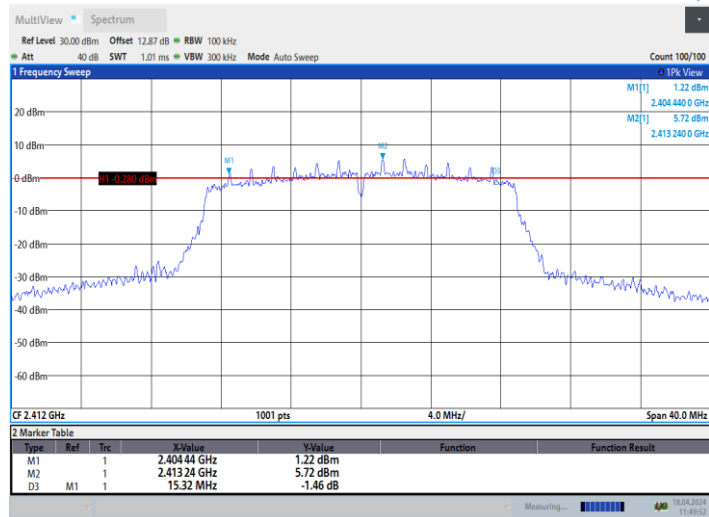
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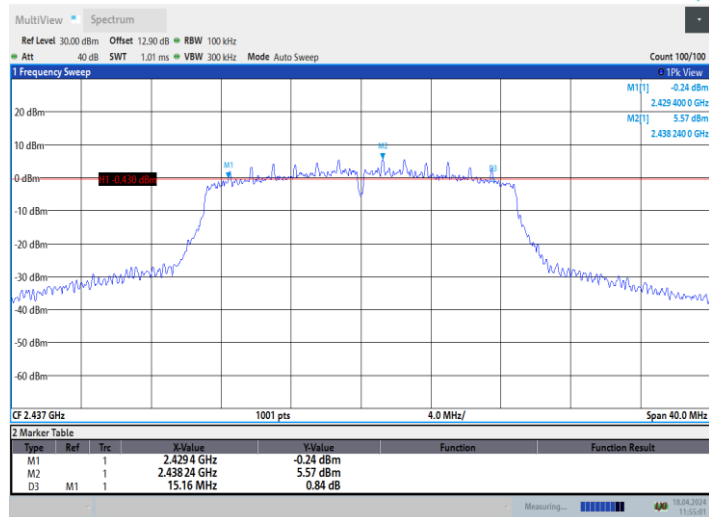
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802.11 VHT20SISO\_Ant1\_2412



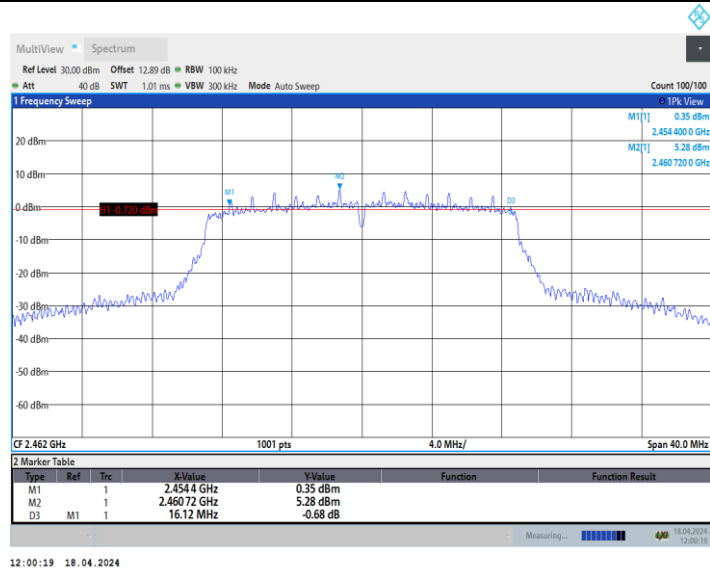
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802.11 VHT20SISO\_Ant1\_2437



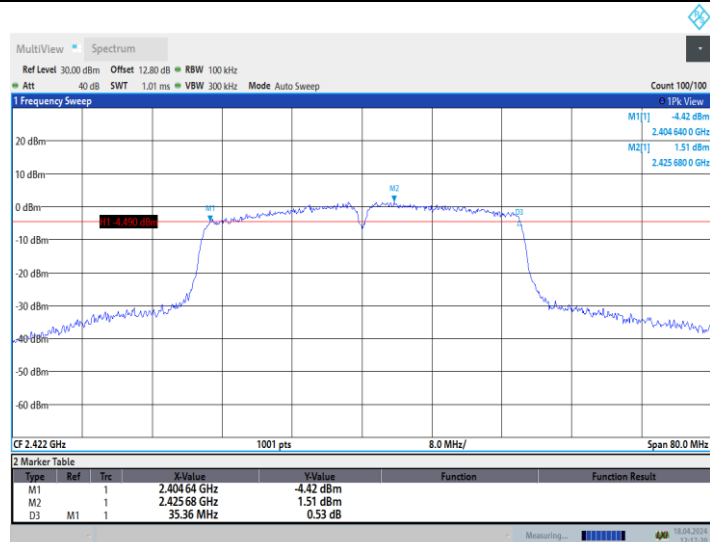
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802.11 VHT20SISO\_Ant1\_2462



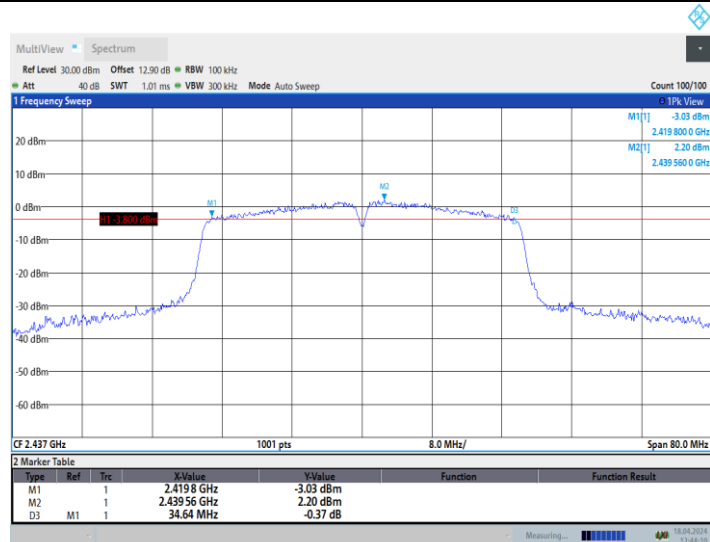
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802.11 VHT40SISO\_Ant1\_2422



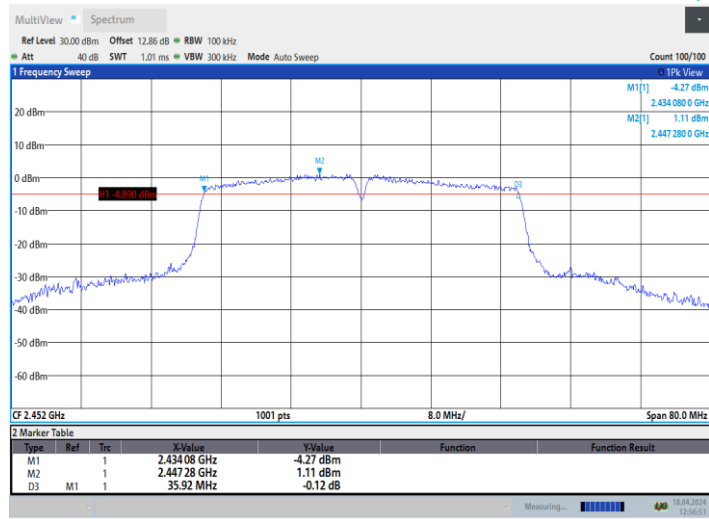
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802.11 VHT40SISO\_Ant1\_2437



12:44:11 18.04.2024

802.11 VHT40SISO\_Ant1\_2452



12:56:51 18.04.2024

## 7. MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

### 7.1. LIMITS OF Maximum Conducted Output Power Measurement

CFR 47 (FCC) part 15.247 (b) (3)

### 7.2. TEST PROCEDURE

ANSI C63.10-2013 Clause 11.9

The following procedure can be used when the maximum available RBW of the instrument is less than the DTS bandwidth:

DTS bandwidth:

- a) Set the RBW = 1 MHz.
- b) Set the VBW  $\geq [3 \times \text{RBW}]$ .
- c) Set the span  $\geq [1.5 \times \text{DTS bandwidth}]$ .
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges (for some instruments, this may require a manual override to select the peak detector). If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the DTS channel bandwidth.

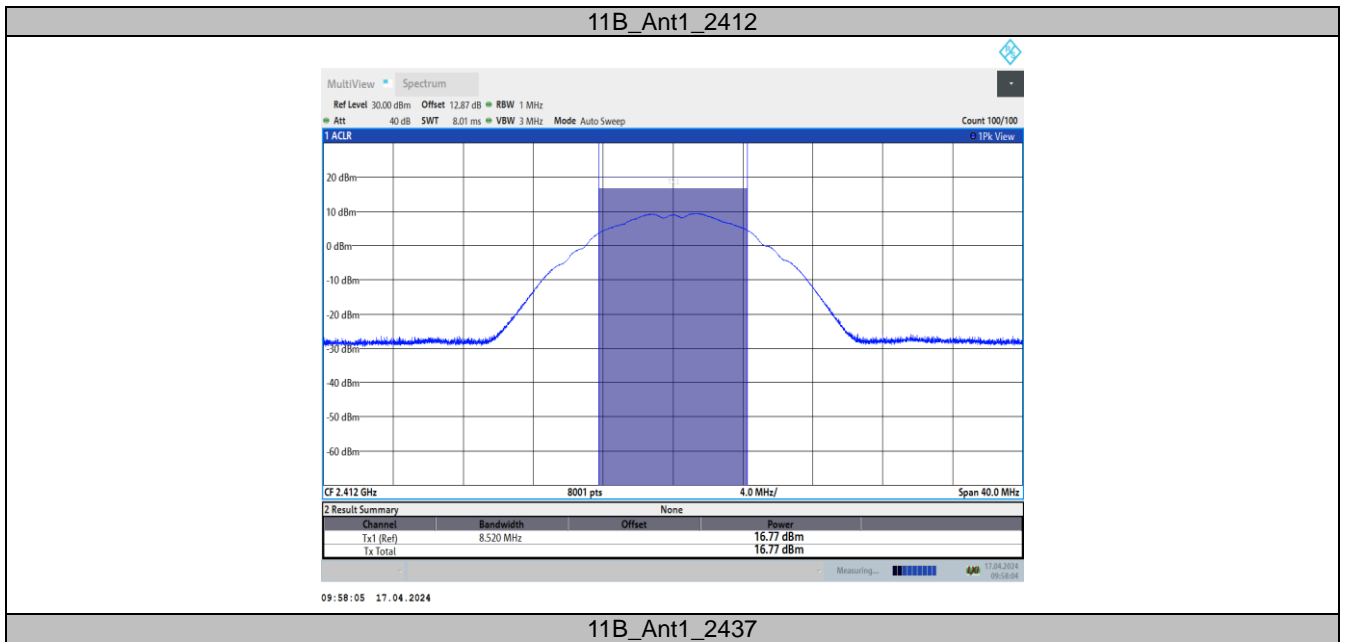
### 7.3. TEST SETUP



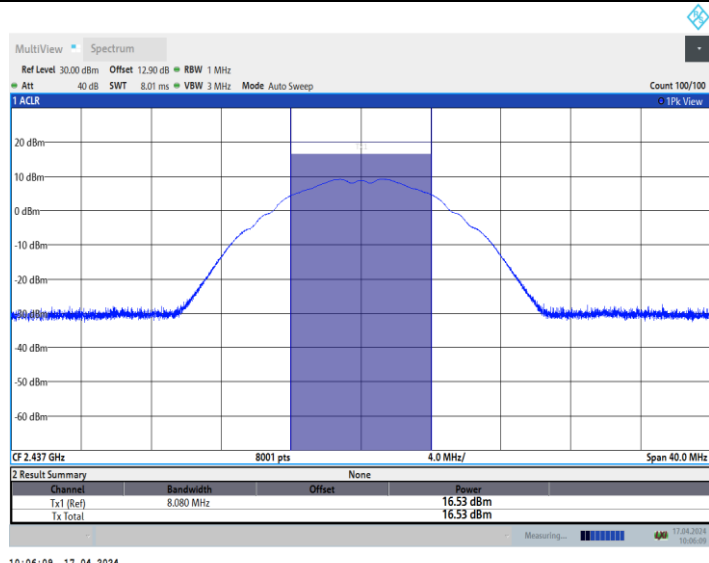
### 7.4. TEST DATA

### Maximum Conducted Output Power

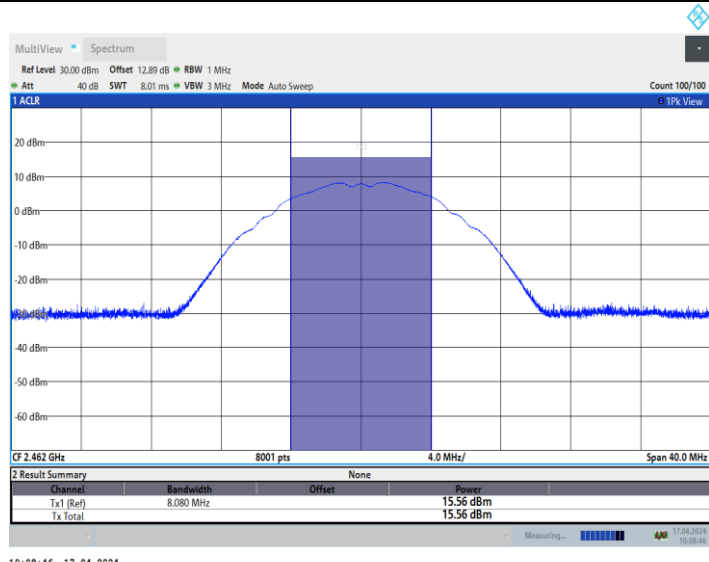
TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	16.77	≤30.00	16.77	≤36.00	PASS
		2437	16.53	≤30.00	16.53	≤36.00	PASS
		2462	15.56	≤30.00	15.56	≤36.00	PASS
11G	Ant1	2412	24.93	≤30.00	24.93	≤36.00	PASS
		2437	25.56	≤30.00	25.56	≤36.00	PASS
		2462	24.87	≤30.00	24.87	≤36.00	PASS
11N20SISO	Ant1	2412	23.60	≤30.00	23.60	≤36.00	PASS
		2437	23.70	≤30.00	23.70	≤36.00	PASS
		2462	24.02	≤30.00	24.02	≤36.00	PASS
11N40SISO	Ant1	2422	24.73	≤30.00	24.73	≤36.00	PASS
		2437	25.15	≤30.00	25.15	≤36.00	PASS
		2452	24.31	≤30.00	24.31	≤36.00	PASS
802.11 VHT20SISO	Ant1	2412	23.35	≤30.00	23.35	≤36.00	PASS
		2437	23.86	≤30.00	23.86	≤36.00	PASS
		2462	24.20	≤30.00	24.20	≤36.00	PASS
802.11 VHT40SISO	Ant1	2422	24.17	≤30.00	24.17	≤36.00	PASS
		2437	24.80	≤30.00	24.80	≤36.00	PASS
		2452	25.40	≤30.00	25.40	≤36.00	PASS



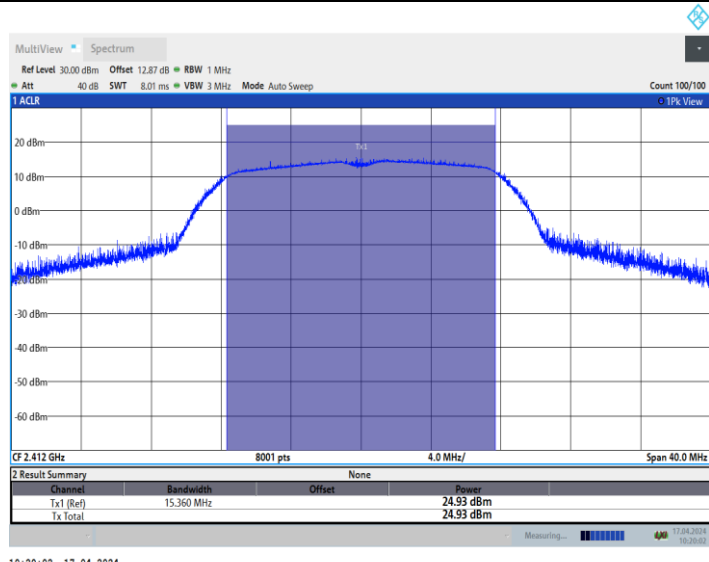




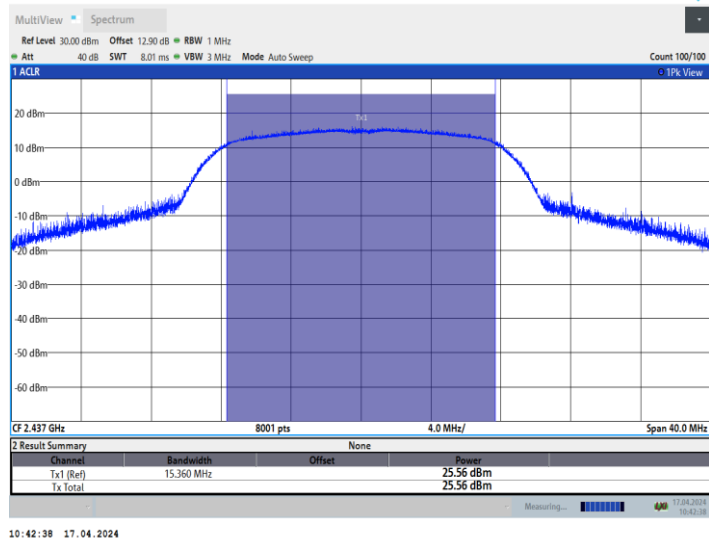
11B\_Ant1\_2462



11G\_Ant1\_2412

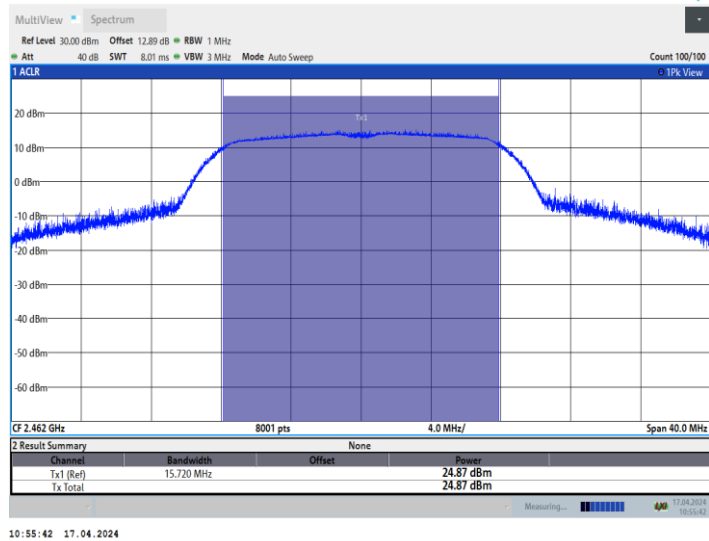


11G\_Ant1\_2437



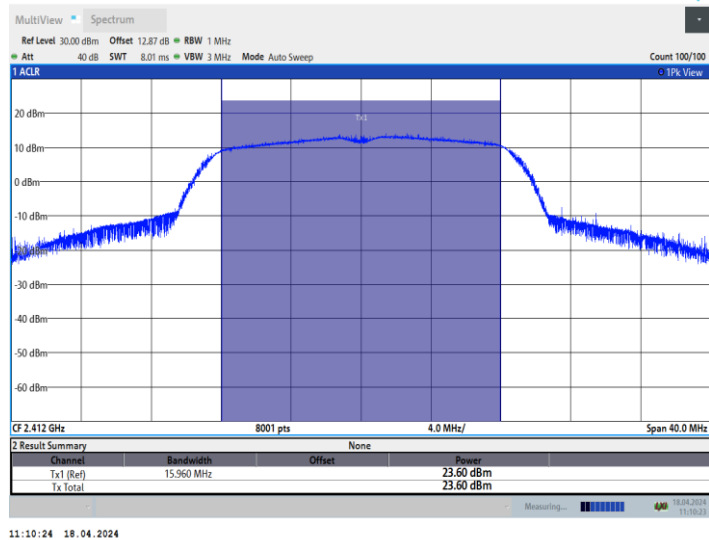
10:42:38 17.04.2024

11G\_Ant1\_2462



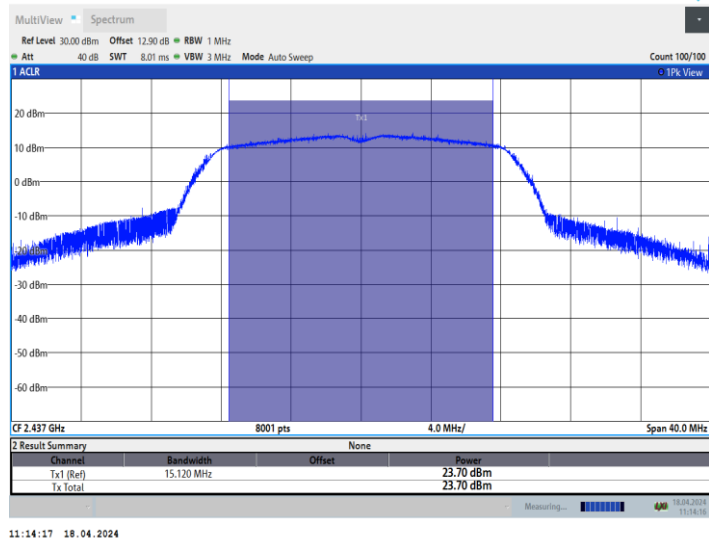
10:55:42 17.04.2024

11N20SISO\_Ant1\_2412



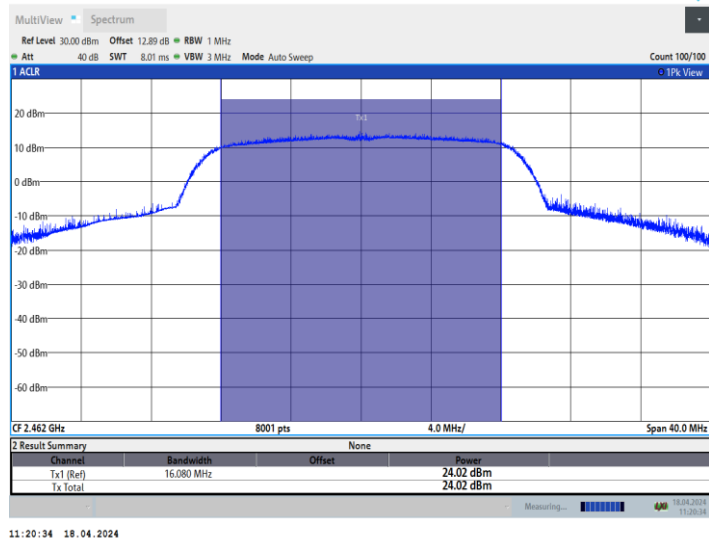
11:10:24 18.04.2024

11N20SISO\_Ant1\_2437



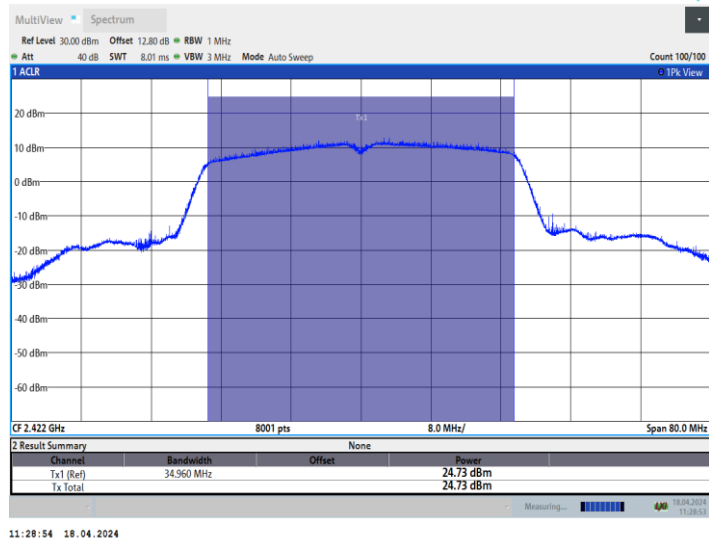
11:14:17 18.04.2024

11N20SISO\_Ant1\_2462



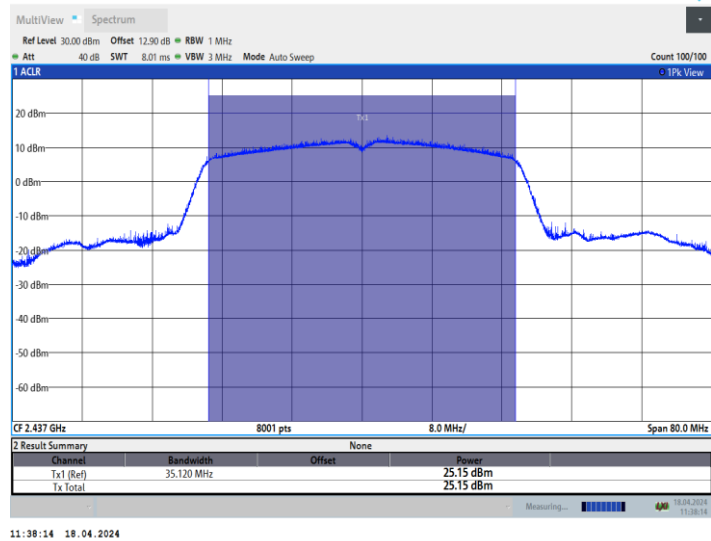
11:20:34 18.04.2024

11N40SISO\_Ant1\_2422

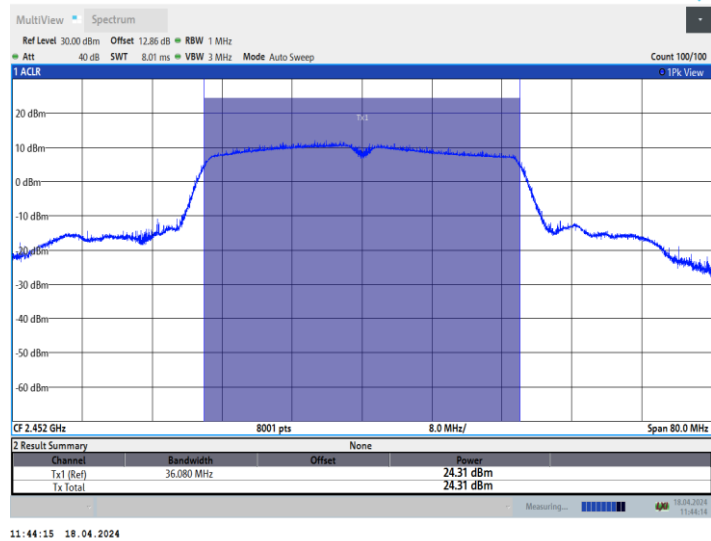


11:28:54 18.04.2024

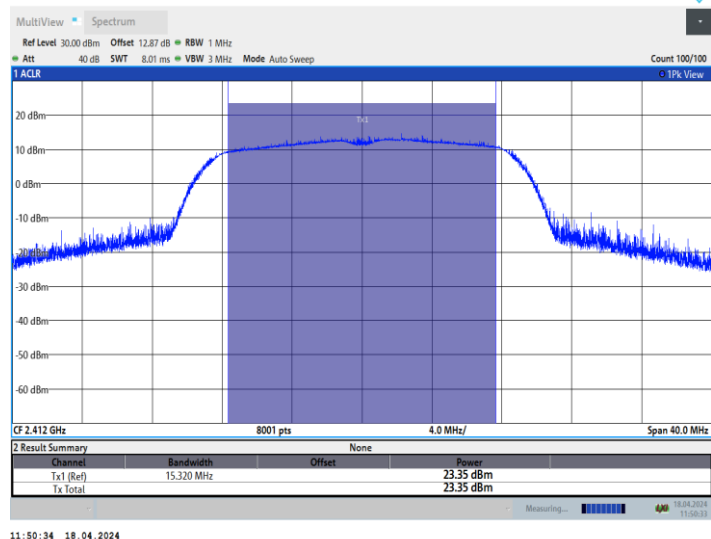
11N40SISO\_Ant1\_2437



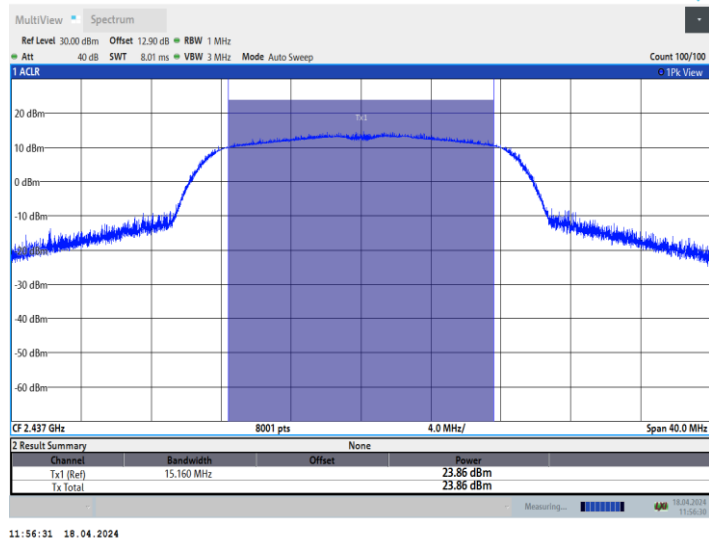
11N40SISO\_Ant1\_2452



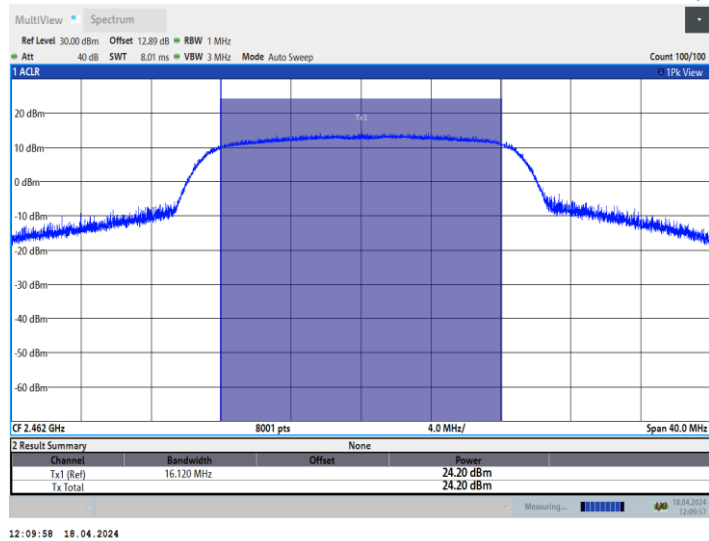
802.11 VHT20SISO\_Ant1\_2412



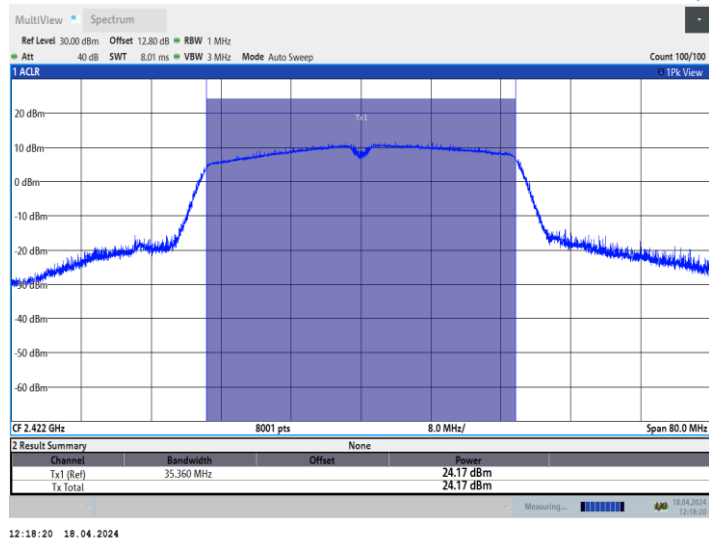
802.11 VHT20SISO\_Ant1\_2437



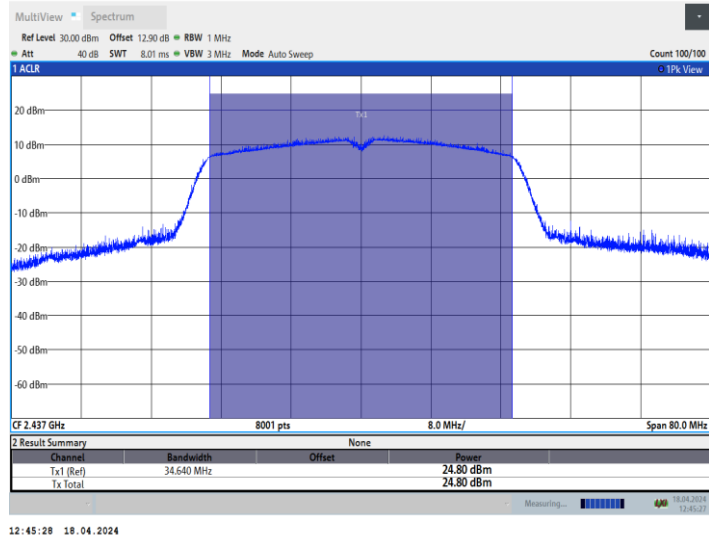
802.11 VHT20SISO\_Ant1\_2462



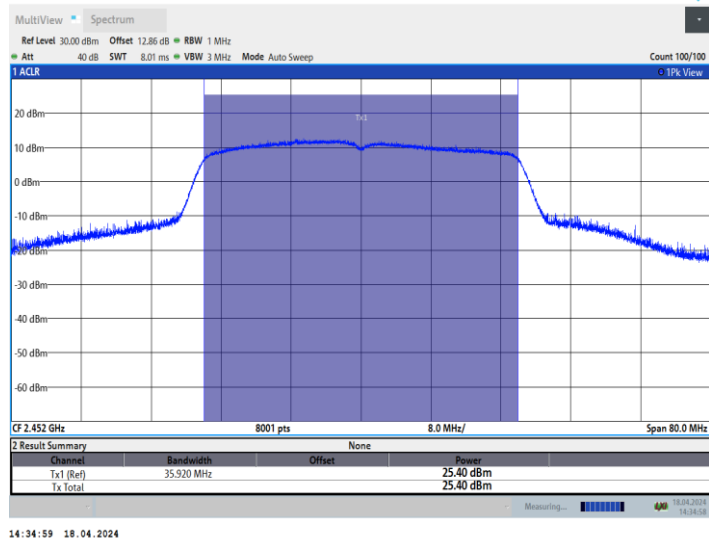
802.11 VHT40SISO\_Ant1\_2422



802.11 VHT40SISO\_Ant1\_2437



802.11 VHT40SISO\_Ant1\_2452



## 8. MAXIMUM POWER SPECTRAL DENSITY LEVEL MEASUREMENT

### 8.1. LIMITS OF Maximum Power Spectral Density Level Measurement

CFR 47 (FCC) part 15.247 (e)

### 8.2. TEST PROCEDURE

ANSI C63.10-2013 Clause 11.10

The transmitter output was connected to the spectrum analyzer.

a) Set analyzer center frequency to DTS channel center frequency.

b) Set the span to 1.5 times the DTS bandwidth.

c) Set RBW to:  $3\text{kHz} \leq \text{RBW} \leq 100\text{ kHz}$ .

d) Set VBW  $\geq 3 \times \text{RBW}$ .

e) Detector = peak.

f) Sweep time = auto couple.

g) Trace mode = max hold.

h) Allow trace to fully stabilize.

i) Use the peak marker function to determine the maximum amplitude level within the RBW.

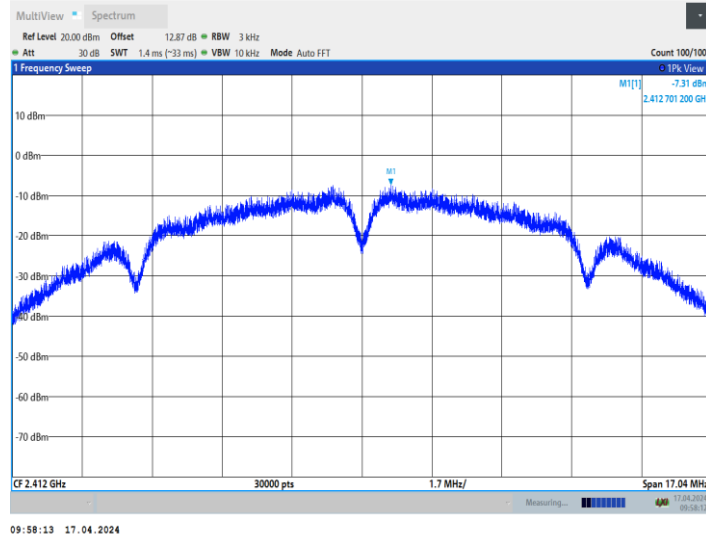
j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

### 8.3. TEST DATA

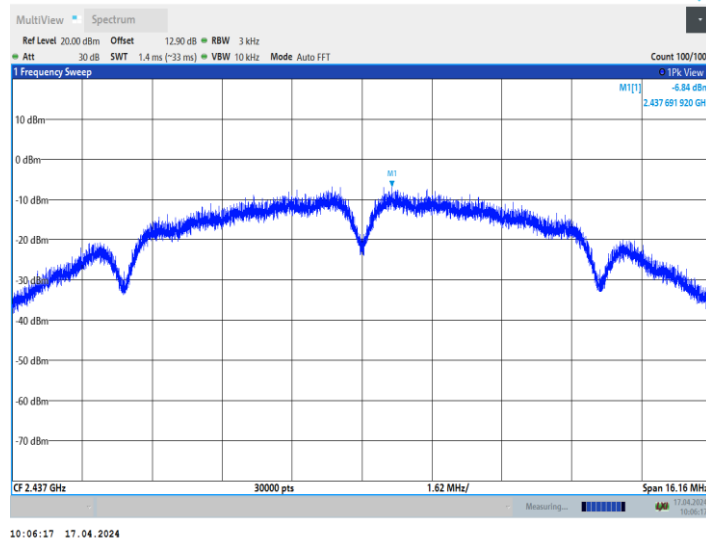
Maximum Power Spectral Density Level

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.31	$\leq 8.00$	PASS
		2437	-6.84	$\leq 8.00$	PASS
		2462	-7.78	$\leq 8.00$	PASS
11G	Ant1	2412	-7.33	$\leq 8.00$	PASS
		2437	-7.6	$\leq 8.00$	PASS
		2462	-7.78	$\leq 8.00$	PASS
11N20SISO	Ant1	2412	-8.62	$\leq 8.00$	PASS
		2437	-7.53	$\leq 8.00$	PASS
		2462	-9.05	$\leq 8.00$	PASS
11N40SISO	Ant1	2422	-10.9	$\leq 8.00$	PASS
		2437	-11.39	$\leq 8.00$	PASS
		2452	-11.33	$\leq 8.00$	PASS
802.11 VHT20SISO	Ant1	2412	-8.96	$\leq 8.00$	PASS
		2437	-7.58	$\leq 8.00$	PASS
		2462	-8.81	$\leq 8.00$	PASS
802.11 VHT40SISO	Ant1	2422	-11.5	$\leq 8.00$	PASS
		2437	-10.94	$\leq 8.00$	PASS
		2452	-11.36	$\leq 8.00$	PASS

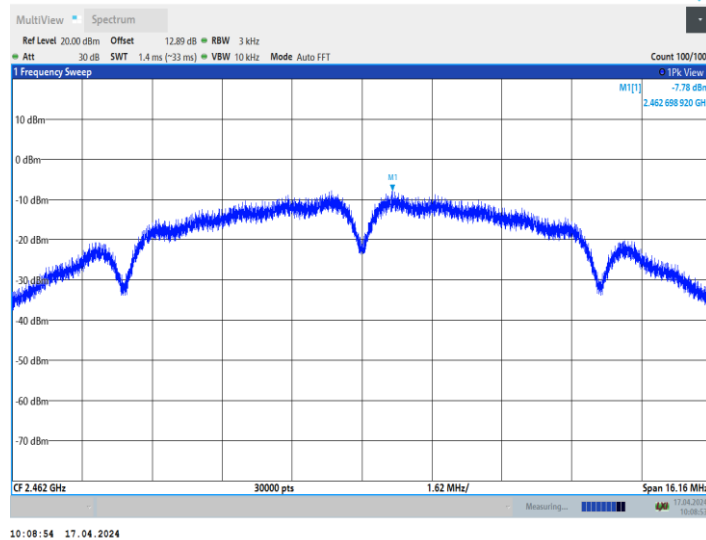
11B\_Ant1\_2412



11B\_Ant1\_2437

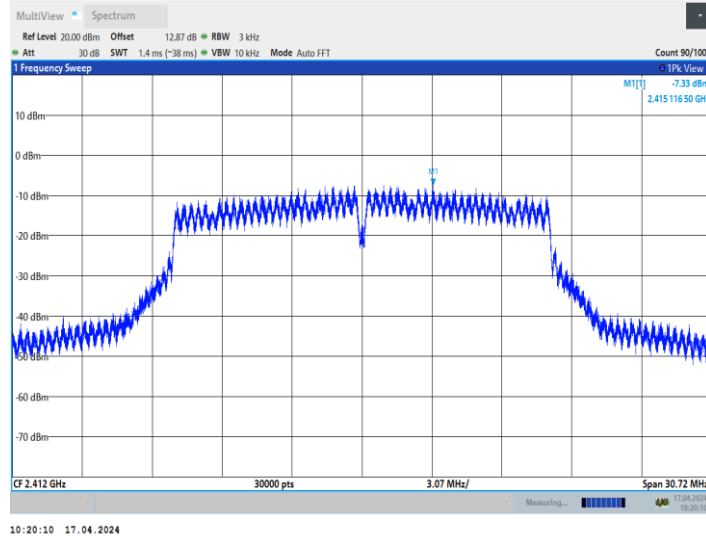


11B\_Ant1\_2462

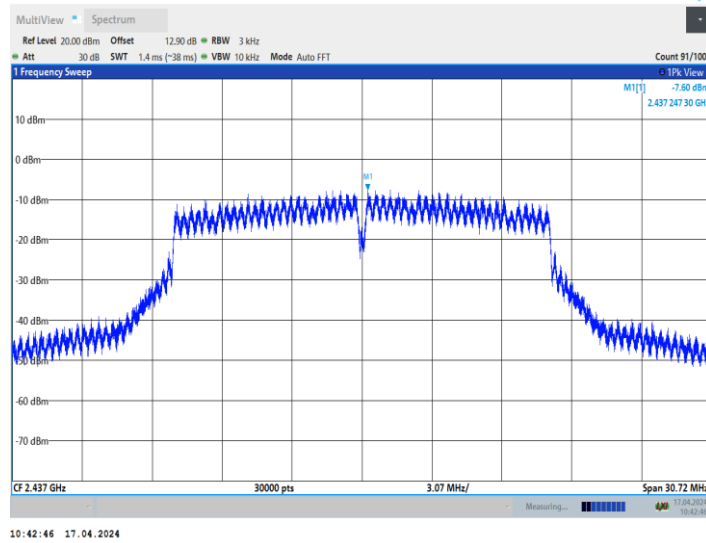




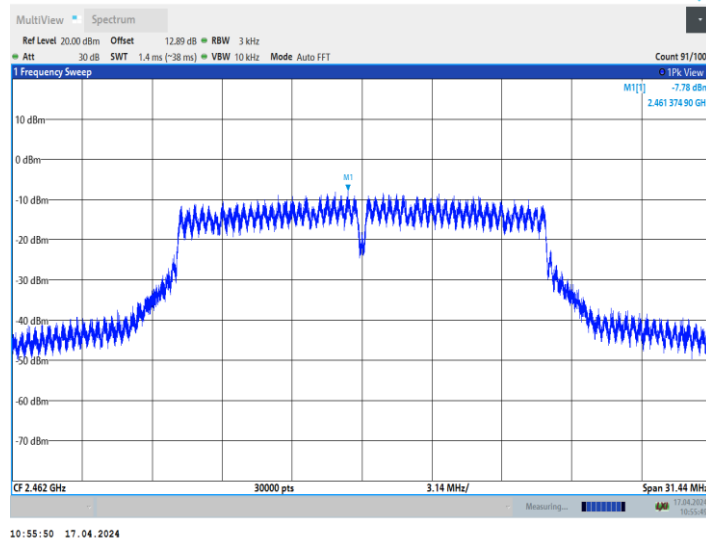
11G\_Ant1\_2412



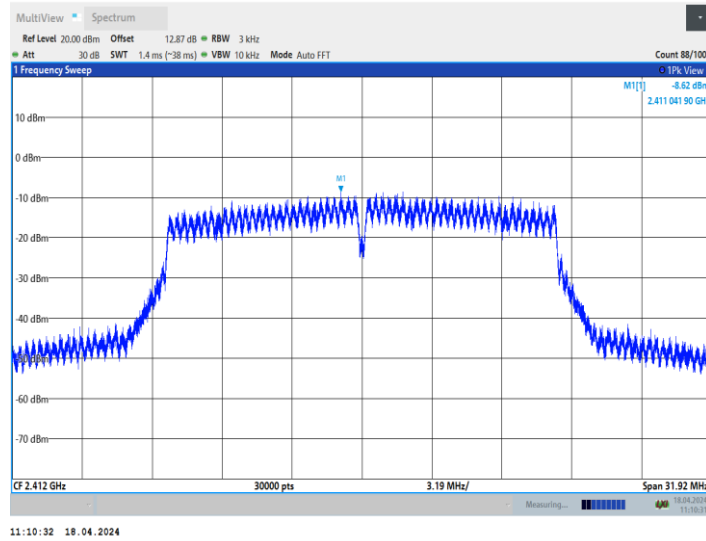
11G\_Ant1\_2437



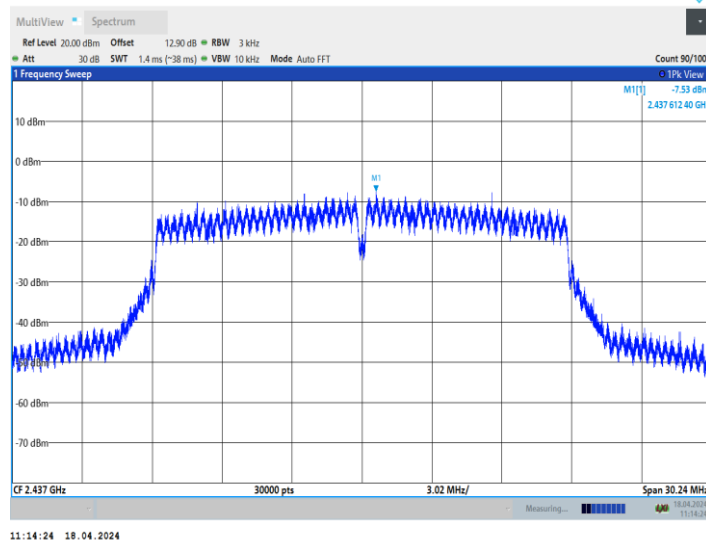
11G\_Ant1\_2462



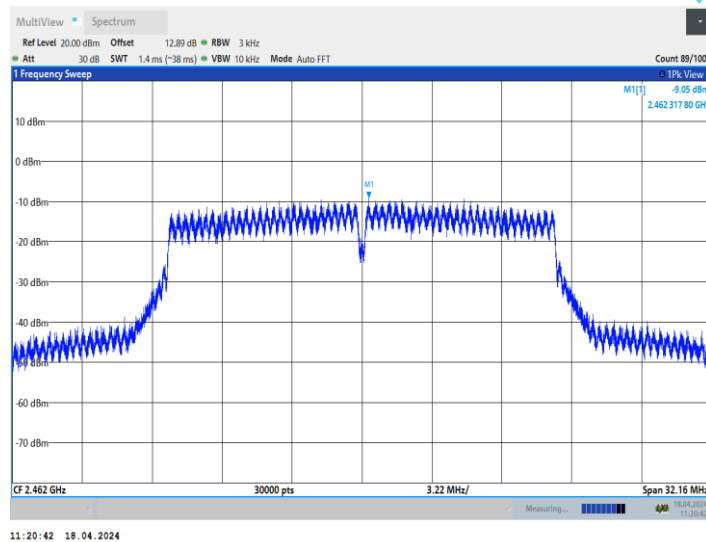
11N20SISO\_Ant1\_2412



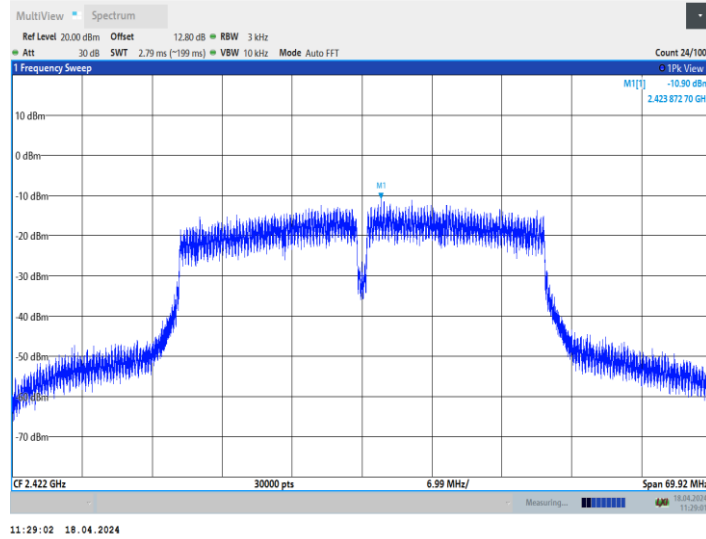
11N20SISO\_Ant1\_2437



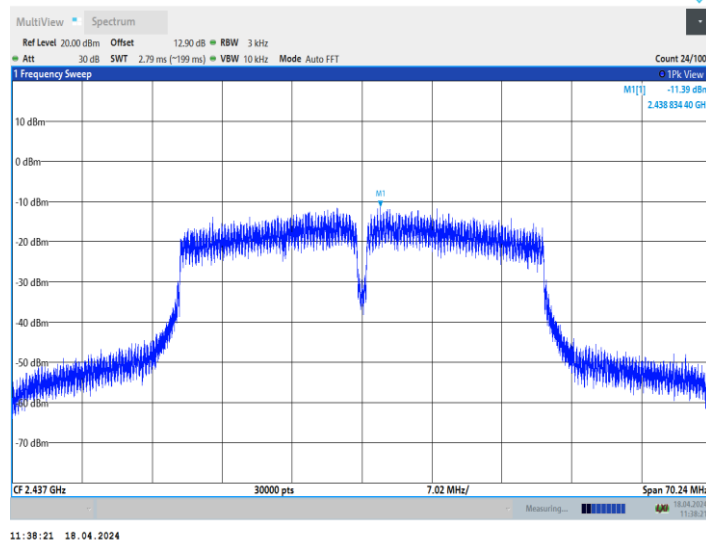
11N20SISO\_Ant1\_2462



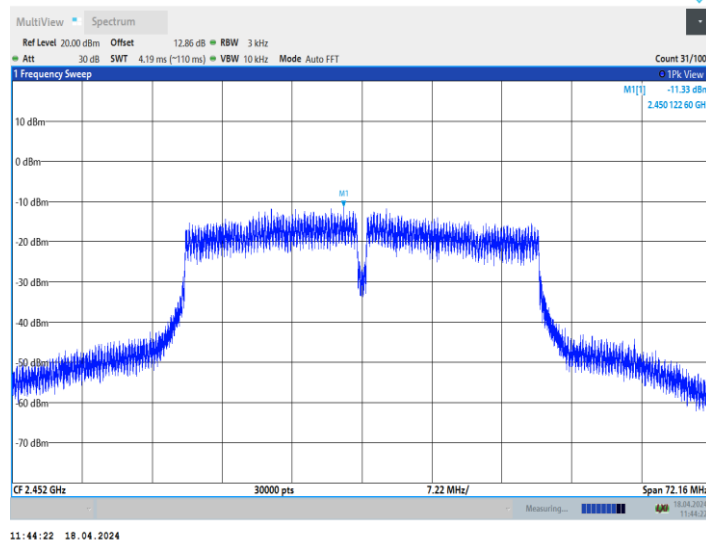
11N40SISO\_Ant1\_2422



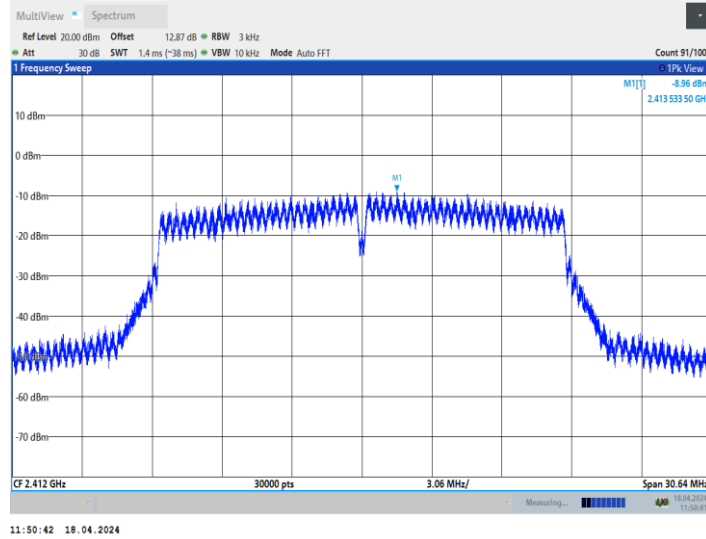
11N40SISO\_Ant1\_2437



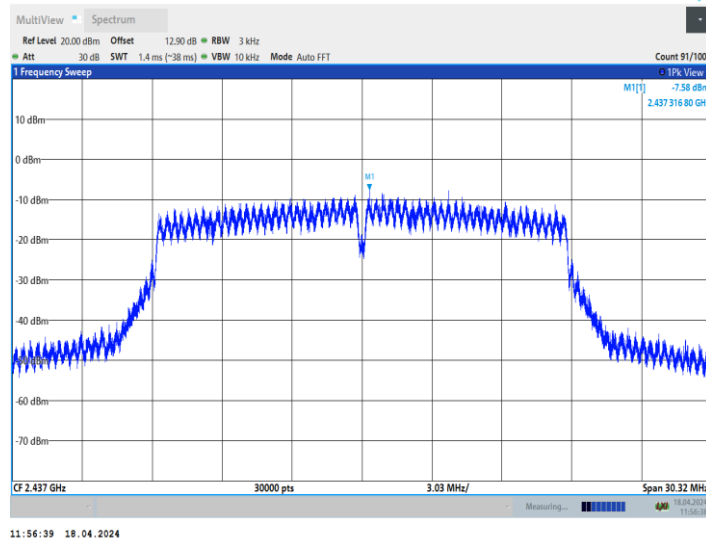
11N40SISO\_Ant1\_2452



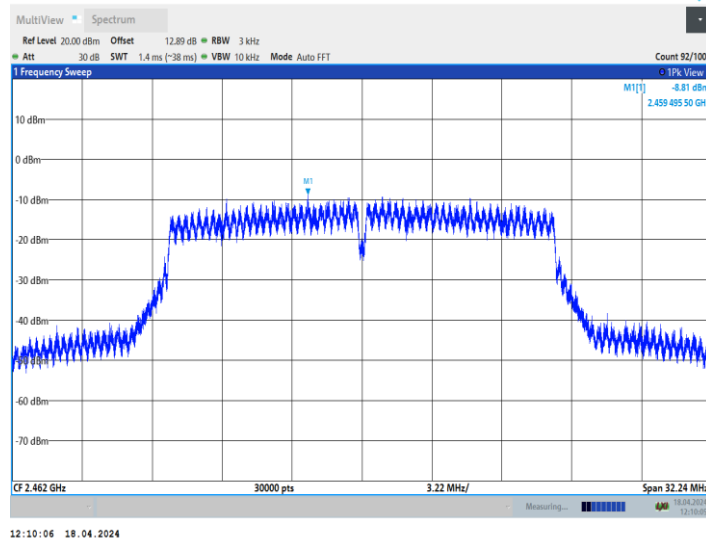
802.11 VHT20SISO\_Ant1\_2412



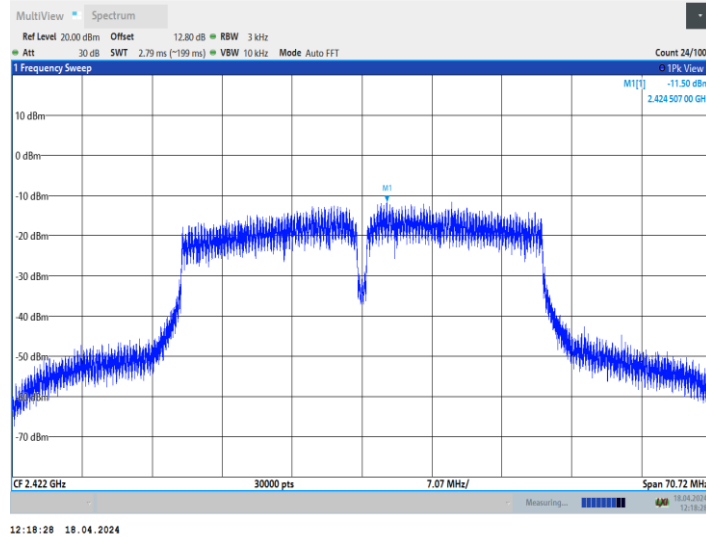
802.11 VHT20SISO\_Ant1\_2437



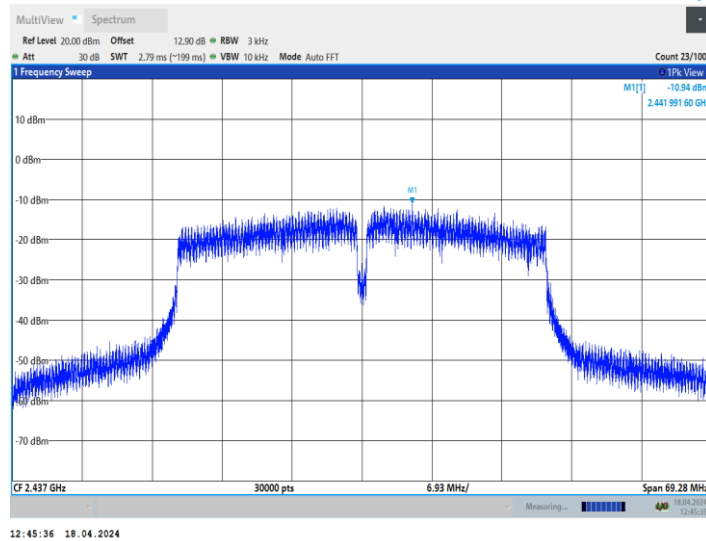
802.11 VHT20SISO\_Ant1\_2462



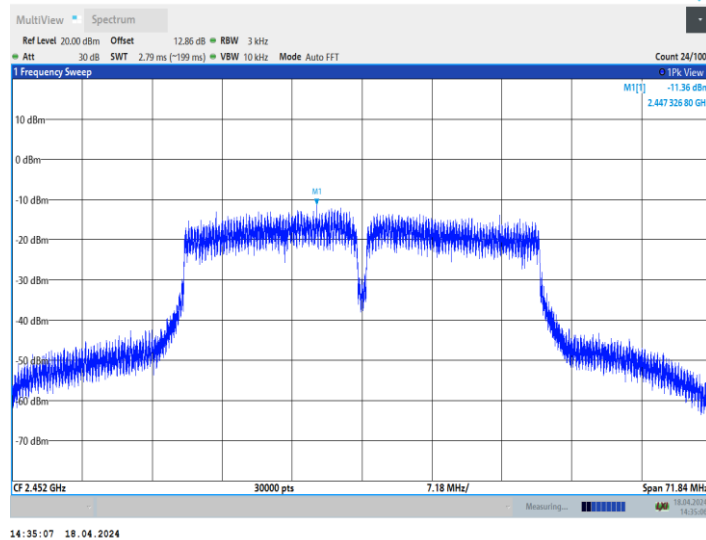
802.11 VHT40SISO\_Ant1\_2422



802.11 VHT40SISO\_Ant1\_2437



802.11 VHT40SISO\_Ant1\_2452



## 9. CONDUCTED BANDEDGE AND SPURIOUS MEASUREMENT

### 9.1. LIMITS OF Conducted Bandedge and Spurious Measurement

CFR 47 (FCC) part 15.247 (d)

### 9.2. TEST PROCEDURE

ANSI C63.10-2013 Clause 11.11

The transmitter output was connected to the spectrum analyzer.

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
  - b) Set the span to  $\geq 1.5$  times the DTS bandwidth.
  - c) Set the RBW = 100 kHz.
  - d) Set the VBW  $\geq 3 \times$  RBW.
  - e) Detector = peak.
  - f) Sweep time = auto couple.
  - g) Trace mode = max hold.
  - h) Allow trace to fully stabilize.
  - i) Use the peak marker function to determine the maximum PSD level.
- Emission level measurement
- a) Set the center frequency and span to encompass frequency range to be measured.
  - b) Set the RBW = 100 kHz.
  - c) Set the VBW  $\geq 3 \times$  RBW.
  - d) Detector = peak.
  - e) Sweep time = auto couple.
  - f) Trace mode = max hold.
  - g) Allow trace to fully stabilize.
  - h) Use the peak marker function to determine the maximum amplitude level.

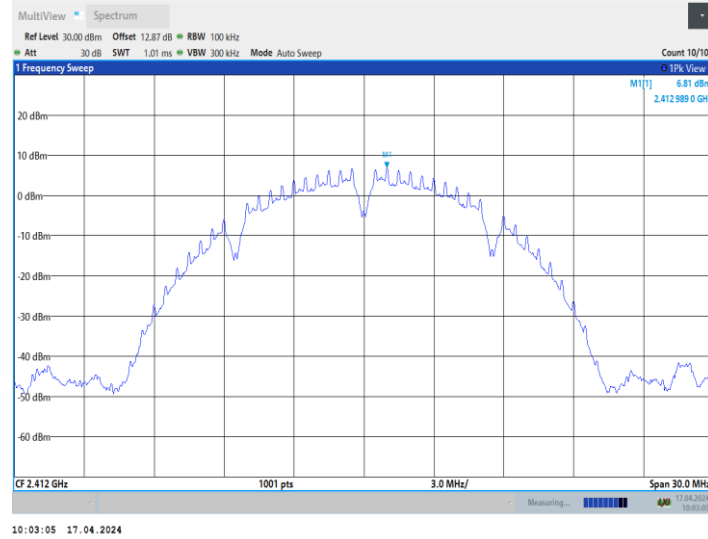
**Test Result: All emission outside of 2400-2483.5 are lower at least 20dB than fundamental frequency.**

### 9.3. TEST DATA

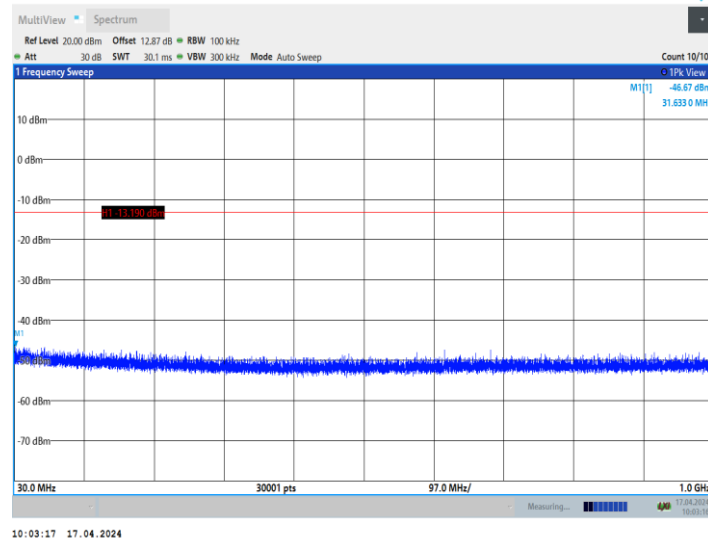
### Conducted Spurious Emission

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.81	6.81	---	PASS
			30~1000	6.81	-46.67	≤-13.19	PASS
			1000~26500	6.81	-39.96	≤-13.19	PASS
		2437	Reference	6.91	6.91	---	PASS
			30~1000	6.91	-45.81	≤-13.09	PASS
			1000~26500	6.91	-40.93	≤-13.09	PASS
		2462	Reference	6.49	6.49	---	PASS
			30~1000	6.49	-45.99	≤-13.51	PASS
			1000~26500	6.49	-40.52	≤-13.51	PASS
11G	Ant1	2412	Reference	6.73	6.73	---	PASS
			30~1000	6.73	-46.36	≤-13.27	PASS
			1000~26500	6.73	-40.41	≤-13.27	PASS
		2437	Reference	6.96	6.96	---	PASS
			30~1000	6.96	-46.1	≤-13.04	PASS
			1000~26500	6.96	-40.63	≤-13.04	PASS
		2462	Reference	6.52	6.52	---	PASS
			30~1000	6.52	-46.27	≤-13.48	PASS
			1000~26500	6.52	-40.99	≤-13.48	PASS
11N20SISO	Ant1	2412	Reference	6.02	6.02	---	PASS
			30~1000	6.02	-46.34	≤-13.98	PASS
			1000~26500	6.02	-40.94	≤-13.98	PASS
		2437	Reference	6.34	6.34	---	PASS
			30~1000	6.34	-46.61	≤-13.66	PASS
			1000~26500	6.34	-40.54	≤-13.66	PASS
		2462	Reference	5.54	5.54	---	PASS
			30~1000	5.54	-45.99	≤-14.46	PASS
			1000~26500	5.54	-40.88	≤-14.46	PASS
11N40SISO	Ant1	2422	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-46.61	≤-16.54	PASS
			1000~26500	3.46	-40.49	≤-16.54	PASS
		2437	Reference	3.89	3.89	---	PASS
			30~1000	3.89	-46.35	≤-16.11	PASS
			1000~26500	3.89	-40.53	≤-16.11	PASS
		2452	Reference	3.53	3.53	---	PASS
			30~1000	3.53	-46.24	≤-16.47	PASS
			1000~26500	3.53	-39.66	≤-16.47	PASS
802.11 VHT20SISO	Ant1	2412	Reference	5.79	5.79	---	PASS
			30~1000	5.79	-45.71	≤-14.21	PASS
			1000~26500	5.79	-40	≤-14.21	PASS
		2437	Reference	6.04	6.04	---	PASS
			30~1000	6.04	-46.2	≤-13.96	PASS
			1000~26500	6.04	-40.68	≤-13.96	PASS
		2462	Reference	5.32	5.32	---	PASS
			30~1000	5.32	-46.44	≤-14.68	PASS
			1000~26500	5.32	-41.1	≤-14.68	PASS
802.11 VHT40SISO	Ant1	2422	Reference	3.48	3.48	---	PASS
			30~1000	3.48	-46.63	≤-16.52	PASS
			1000~26500	3.48	-40.55	≤-16.52	PASS
		2437	Reference	3.85	3.85	---	PASS
			30~1000	3.85	-46.06	≤-16.15	PASS
			1000~26500	3.85	-40.82	≤-16.15	PASS
		2452	Reference	3.58	3.58	---	PASS
			30~1000	3.58	-46.83	≤-16.42	PASS
			1000~26500	3.58	-40.11	≤-16.42	PASS

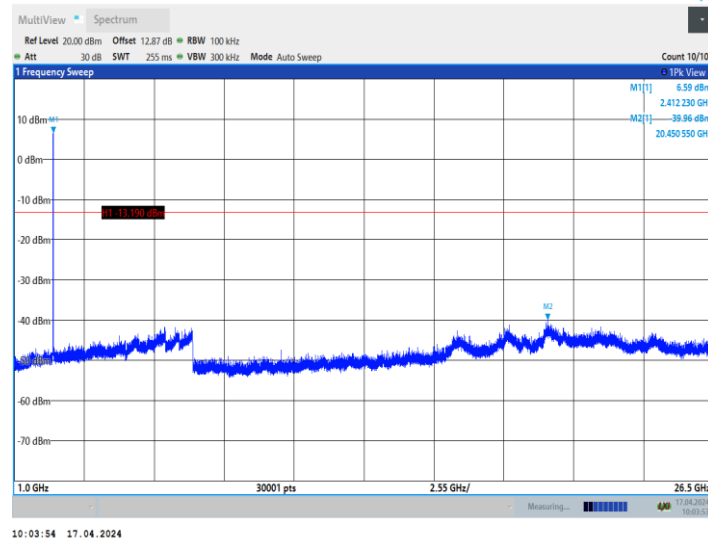
11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000

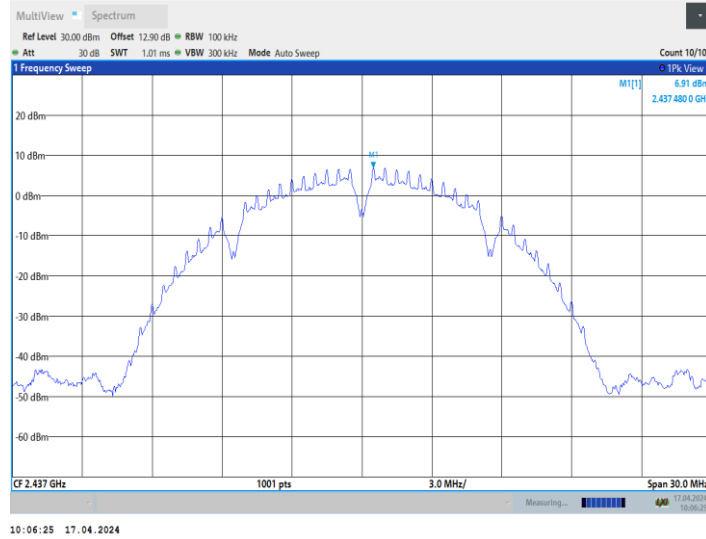


11B\_Ant1\_2412\_1000~26500

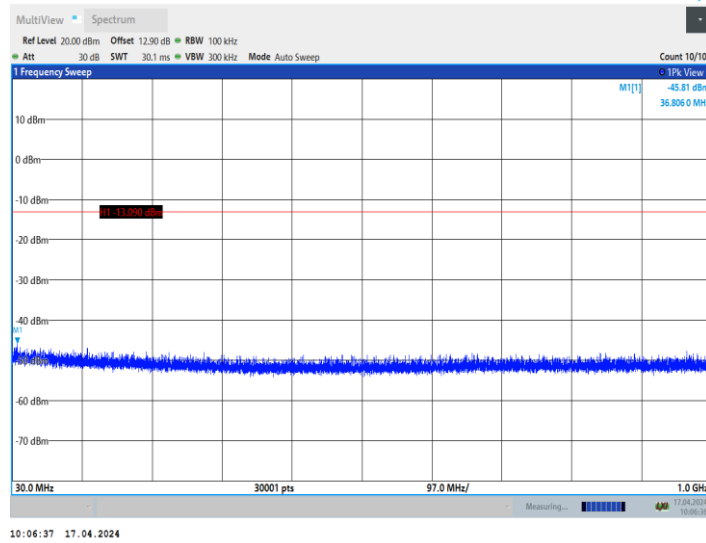




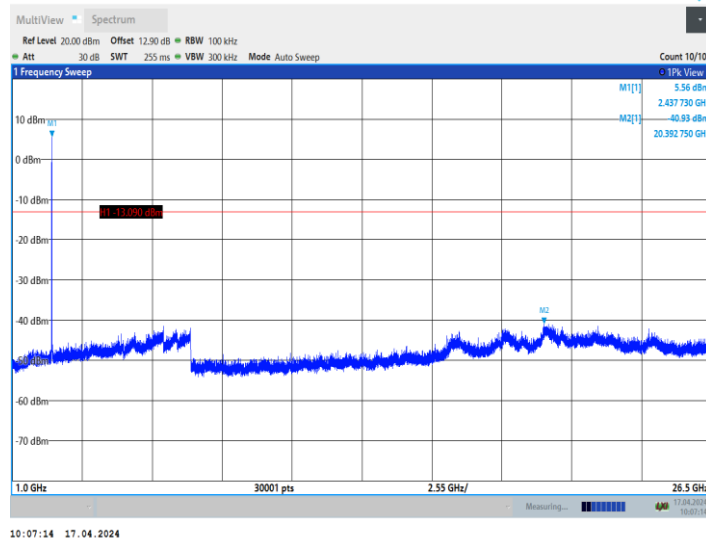
11B\_Ant1\_2437\_0~Reference



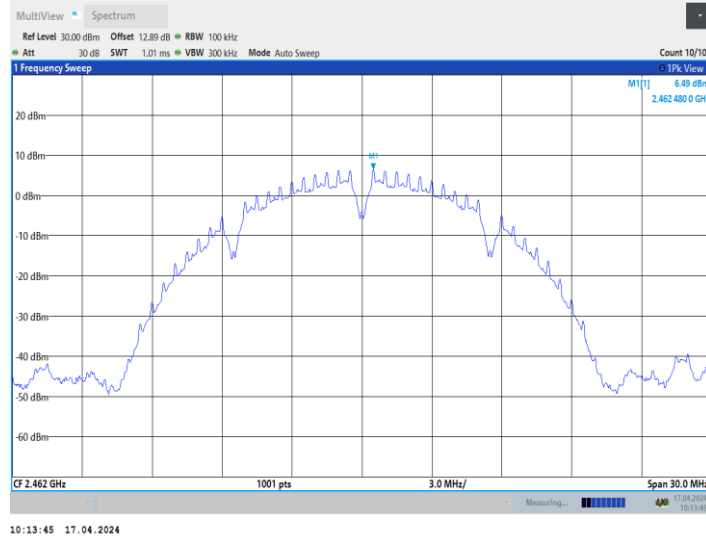
11B\_Ant1\_2437\_30~1000



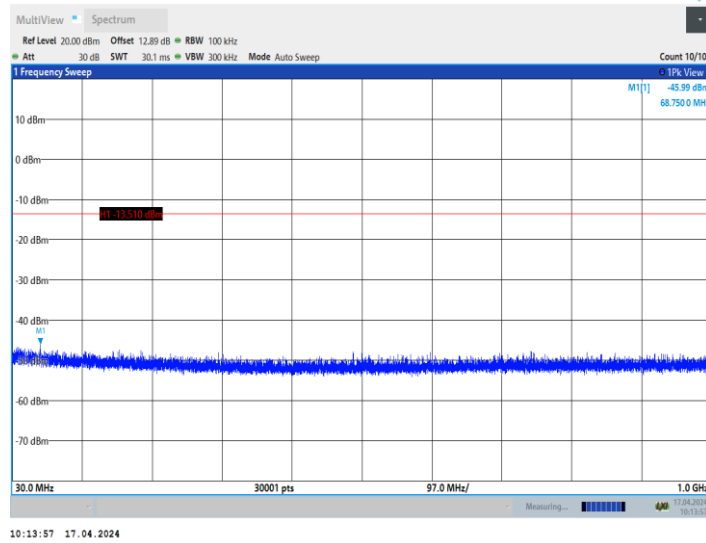
11B\_Ant1\_2437\_1000~26500



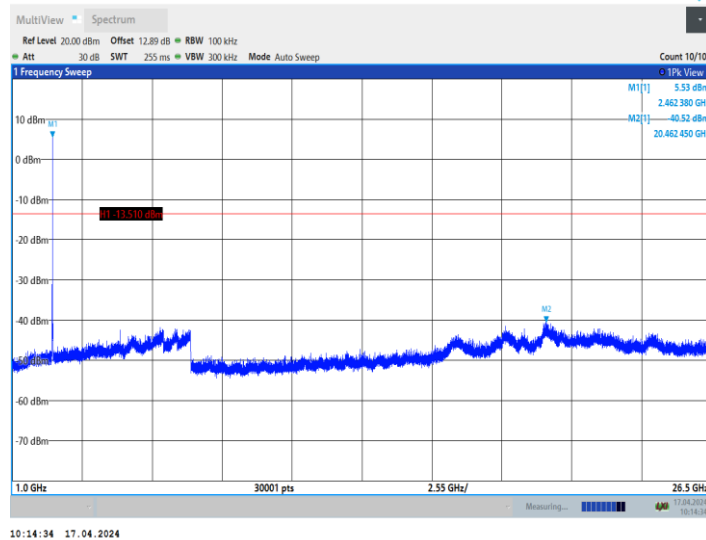
11B\_Ant1\_2462\_0~Reference



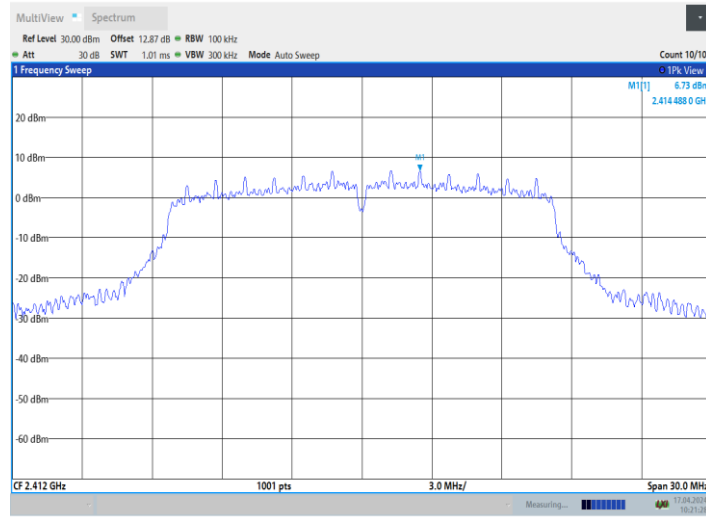
11B\_Ant1\_2462\_30~1000



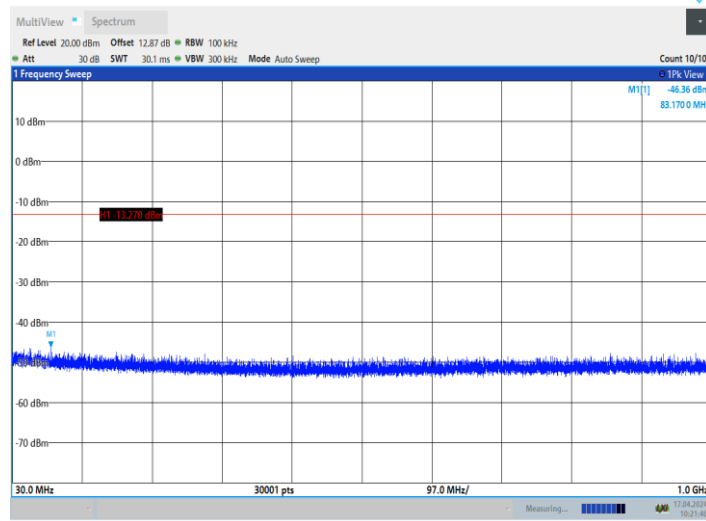
11B\_Ant1\_2462\_1000~26500



11G\_Ant1\_2412\_0~Reference



11G\_Ant1\_2412\_30~1000



11G\_Ant1\_2412\_1000~26500

