

MIC TEST REPORT

(BLE)

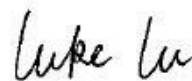
Applicant:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

Manufacturer or Supplier:	Xiaomi Communications Co., Ltd.
Address:	#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085
Product:	REDMI Stylus
Brand Name:	REDMI
Model Name:	26072MP9FG
Date of tests:	Apr.02, 2026 ~ Apr.15, 2026

The tests have been carried out according to the requirements of the following standard:

☒ Article 2 Paragraph 1 of item 19

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Hanwen Xu Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
	
Date: Apr.15, 2026	Date: Apr.15, 2026

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Test Report No.: PSU-QBJ2604010116RJ01

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-QBJ2604010116RJ01	Original release	Apr.15, 2026



1. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Notice 88 Appendix 43 Reference	Report reference	Parameter	Test Results (NOTE)
GENERAL PROVISIONS			
C	3.1	Frequency tolerance	C
D	3.2/3.3	Occupied bandwidth/ Spreading bandwidth	C
E	3.4	Spurious emissions	C
TRANSMITTING EQUIPMENT			
F	3.5	Antenna power	C
--	--	SAR	N/A
TRANSMITTING ANTENNA			
--	2.6	Type, configuration, etc. of transmitting antenna	C
--	2.6	Direction pattern of transmitting antenna	C
RECEIVING EQUIPMENT			
G	3.6	Spurious emissions of receiver	C
--	2.6	Refer to all articles for transmitting antenna	C
OPERATING FREQUENCY 2400 TO 2483.5MHz			
--	2.5	High Frequency/modulation section cannot be opened easily	C
--	2.2	Communication method	C
--	2.2	Modulation method	C
--	2.2	Spread spectrum method	C
--	3.5	Antenna power	C
--	3.5	Absolute gain of transmitting antenna	NA
--	-	Angular width of principal radiation (AWPR)	NA
--	-	Number of carriers within 1 MHz bandwidth in OFDM	NA
--	3.2	Diffusion bandwidth	C
--	-	Spreading factor	NA
--	3.6	Interference Prevention Function	C
--	-	Carrier Sense Capability	NA
--	3.7	Construction Protection Confirmation	C
NOTE: C = Conform NC = Not Conform NT = Not Tested NA = Not Applicable			

*Test Lab Information Reference

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

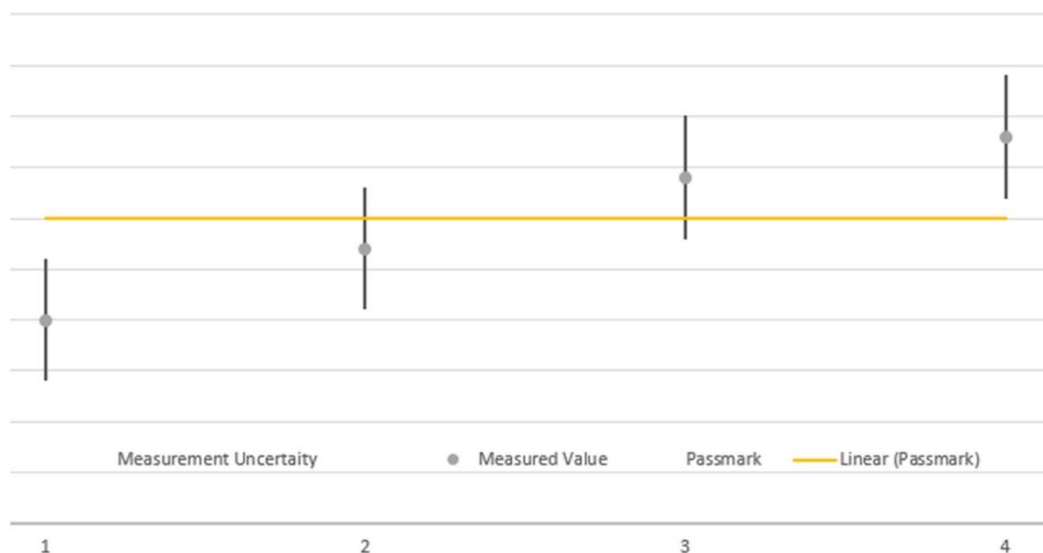
Accredited Test Lab Cert 6613.01

1.1 MEASUREMENT UNCERTAINTY

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

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

ITEM	UNCERTAINTY
Occupied Bandwidth	261.60 Hz
Spurious emissions	2.52dB
Output power density	1.37dB
Out of band radiated power	2.52 dB
Frequency Tolerance	0.104 m



The verdicts in this test report are given according the above diagram:

Case	Measured Value	Uncertainty Range	Verdict
1	below pass mark	below pass mark	Passed
2	below pass mark	within pass mark	Passed
3	above pass mark	within pass mark	Failed
4	above pass mark	above pass mark	Failed

That means, the laboratory applies, as decision rule (see ISO/IEC 17025:2017), the so-called shared risk principle.

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF LAB

TEST LAB	Huarui 7layers High Technology (Suzhou) Co., Ltd.
TEST LAB ADDRESS:	Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

2.2 GENERAL DESCRIPTION OF EUT

PRODUCT*	REDMI Stylus	
BRAND NAME*	REDMI	
MODEL NAME*	26072MP9FG	
TYPE OF EQUIPMENT	Data transmission equipment operating in the 2.4GHz	
MODULATION TECHNOLOGY	BLE:GFSK	
OPERATING FREQUENCY	BT-LE (1M&2M): 2402MHz ~ 2480MHz	
NUMBER OF CHANNEL	BT-LE (1M&2M): 40	
RATED RF OUTPUT POWER DENSITY	Refer to NOTE 4	
CONDUCTED RF OUTPUT POWER DENSITY	Refer to NOTE 4	
RADIATED RF OUTPUT POWER DENSITY	Refer to NOTE 4	
ANTENNA TYPE*	on-board Antenna	
ANTENNA GAIN*	☒ Provided by client	
	1.28dBi	
EXTREME CONDITION*	VOLTAGE	3.465V~4.235V
	TEMP	0° C - 40° C
HW-Release No*	V01	
SW-Release No*	V0.2.0	

NOTE:

- *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, Test Lab is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
- For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.



3. The EUT incorporates a SISO function without beamforming.

MODULATION MODE	TX/RX FUNCTION
BT_LE(1MHz)	1TX /1RX
BT_LE(2MHz)	1TX /1RX

4. The power table as below table:

	Rated output power density (mW)	Conducted RF output power density (mW)	Radiated RF output power density (mW)
BLE (1M)	1.25	1.35	1.81
BLE (2M)	1.25	1.30	1.74

5. For the test results, the EUT had been tested with low/ normal/ high supply voltage condition.



2.3 DESCRIPTION OF TEST CHANNELS

40 channels are provided for BT-LE (GFSK):

CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)	CHANNEL	FREQ. (MHZ)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

NOTE:

1. The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.

BT-LE (1M)		BT-LE (2M)	
Channel	Power setting	Channel	Power setting
0	0	0	0
19	0	19	0
39	0	39	0



2.4 TEST CONDITIONS

Test conditions	Voltage (Vdc)
V_{normal}	3.85
V_{max}	4.235
V_{min}	3.465

2.5 ASSEMBLY

The RF circuits are located inside of the EUT. The RF circuit was covered by shielding case that Chassis is glued using a special adhesive, Also it won't be easy to be opened. Frequency Band, channels and Modulation parameters are fixed inside the module. They cannot be edited or modified by end-user.

2.6 ANTENNA SPECIFICATIONS

2.6.1 ANTENNA GAIN

Ant. Type	Connector Type	Highest Peak Gain with Cable Loss (dBi) 2.4GHz ~ 2.5GHz
on-board antenna	N/A	1.28dBi

2.6.2 ANTENNA PATTERN

Please refer to the attached file (Antenna report).



3. TEST RESULTS

3.1 FREQUENCY TOLERANCE MEASUREMENT

3.1.1 LIMITS OF FREQUENCY TOLERANCE MEASUREMENT

Tolerance of frequency shall be +/- 50ppm

3.1.2 TEST PROCEDURES

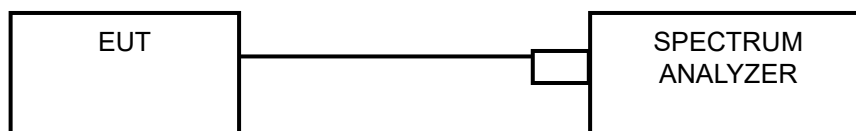
Method 1

1. Set RBW = 10 or 100kHz.
2. Set the video bandwidth (VBW) $\geq$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. That are attenuated by 10 dB relative to the maximum level measured in the fundamental emission for EUT ,then Mark F1 and f2,final use formula $FT = \frac{[(f1+f2)/2]-f}{f}$, f=fundamental emission frequency

Method 2

1. Set RBW = 1 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum Peak of the emission for CW and mark f1,then use formula $FT = (f1-f)/f$, f=fundamental emission frequency

3.1.3 TEST SETUP



3.1.4 TEST RESULTS

Please Refer to Appendix Of this test report.



3.2 OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)

3.2.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

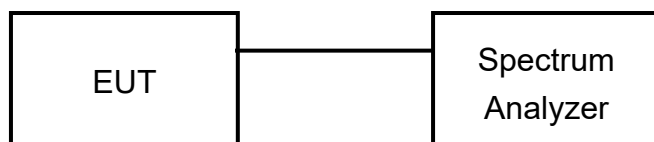
ITEM	LIMIT	REMARK
Occupied bandwidth	<26MHz	For BT-LE (GFSK)

3.2.2 TEST PROCEDURES

1. Set RBW = 30kHz.
2. Set the video bandwidth (VBW) $\geq$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Make sure that the power envelope is sufficiently above the noise floor of the analyser to avoid the noise signals left and right from the power envelope being taken into account by this measurement.

Use the 99 % bandwidth function of the spectrum analyser to measure the Occupied Channel Bandwidth of the UUT. This value shall be recorded.

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

Please Refer to Appendix Of this test report.



3.3 SPURIOUS EMISSIONS FOR TRANSMITTER MEASUREMENT

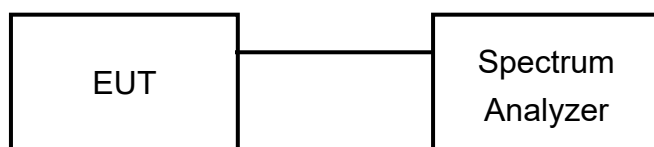
3.3.1 LIMITS OF SPURIOUS EMISSIONS

FREQUENCIES (MHz)	LIMIT
Operating frequency 2400 to 2483.5MHz	
30.0MHz to 1000.0MHz	$\leq 2.5\mu\text{W/MHz}$
1000.0MHz to 2387MHz	$\leq 2.5\mu\text{W/MHz}$
2387.0MHz to 2400.0MHz	$\leq 25\mu\text{W/MHz}$
2483.5MHz to 2496.5MHz	$\leq 25\mu\text{W/MHz}$
2496.5MHz to 12500.0MHz	$\leq 2.5\mu\text{W/MHz}$

3.3.2 TEST PROCEDURES

1. Set RBW = 1 MHz.(above 1GHz) or 1 MHz.(below 1GHz)
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.

3.3.3 TEST SETUP



3.3.4 SUMMARY OF TEST RESULT

Please Refer to Appendix Of this test report.



3.4 ANTENNA POWER MEASUREMENT

3.4.1 LIMITS OF ANTENNA POWER

Antenna power shall be 10mW or less.

Modulation system	Frequency band used	Antenna power (max.)	EIRP (max)	
			Omni-directional case	Directional case
DS.OFDM (Narrow-Band)	2,400 – 2,4835 MHz	10mW/MHz	12.14dBm/MHz (16.368mW/MHz)	22.14dBm/MHz (163.68 mW/MHz)
OFDM (Wide-Band)	2,400 – 2,4835 MHz	5mW/MHz	9.14dBm/MHz (8.20mW/MHz)	19.14dBm/MHz (82.04mW/MHz)
DTS	2,400 – 2,4835 MHz	10mW	12.14 dBm (16.368 mW)	22.14 dBm (163.68 mW)

Tolerance of antenna power shall be +20% (upper value) and –80% (lower value).

According article 49.20 f(2) The angular width of the principal radiation in the horizontal and vertical planes of the transmitting antenna shall not exceed the value obtained by the following expression. $360/A$ degree

A represents the value determined by dividing an equivalent isotropically radiated power by the value obtained by applying an antenna power with the mean power of 10 mW to the transmitting antenna with its absolute gain being 2.14 dB, and shall be 1 when it is lower than 1

3.4.2 TEST PROCEDURES

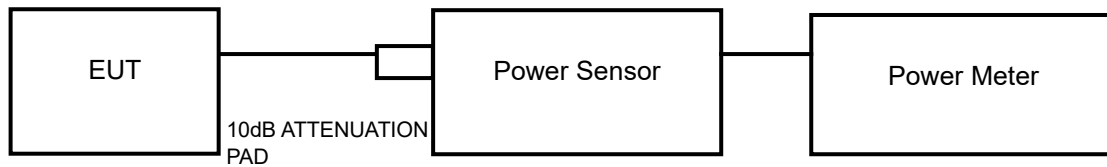
BLE :

Connect a high frequency power meter to the output of the dummy load (attenuator) and measure the total power.



3.2.1 TEST SETUP

BLE:



3.4.3 TEST RESULTS

Please Refer to Appendix Of this test report.



3.5 SPURIOUS EMISSIONS FOR RECEIVER

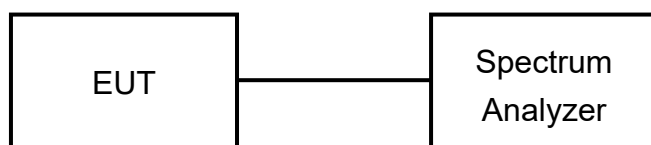
3.5.1 LIMITS OF SPURIOUS EMISSIONS FOR RECEIVER

FREQUENCIES (MHz)	LIMIT
Below 1GHz	$\leq 4\text{nW}$ (-54dBm)
Above 1GHz	$\leq 20\text{nW}$ (-47dBm)

3.5.2 TEST PROCEDURES

1. Set RBW = 1 MHz.(above 1GHz) or 0.1 MHz.(below 1GHz)
2. Set the video bandwidth (VBW) $\geq 3 \times \text{RBW}$.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.

3.5.3 TEST SETUP



(EUT operate in multiple outputs:

The measurement was investigated worst chain and the worst chain was selected as representative test and add $10\log(N)$, its data was recorded in this report.)

3.5.4 SUMMARY OF TEST RESULT

Please Refer to Appendix Of this test report.



3.6 INTERFERENCE PREVENTION FUNCTION

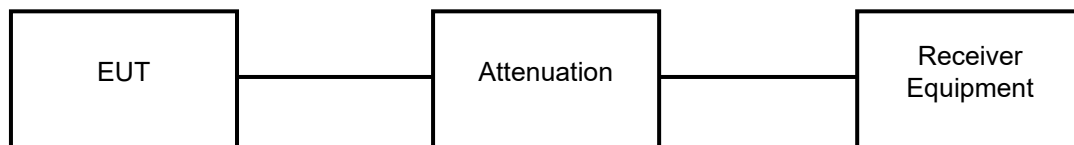
3.6.1 LIMITS OF INTERFERENCE PREVENTION FUNCTION

Radio equipment used mainly on the same premises and automatically transmits or receives identification code.

3.6.2 TEST PROCEDURES

According to ANNEX 43 Temporary test method specified by TACOYAKI.

3.6.3 TEST SETUP



3.6.4 TEST RESULTS

ENVIRONMENTAL CONDITIONS	24 deg.C, 59% RH
LINK MODE	TEST RESULT
Identification code	28:CE:15:24:CE:40
BLE	PASS



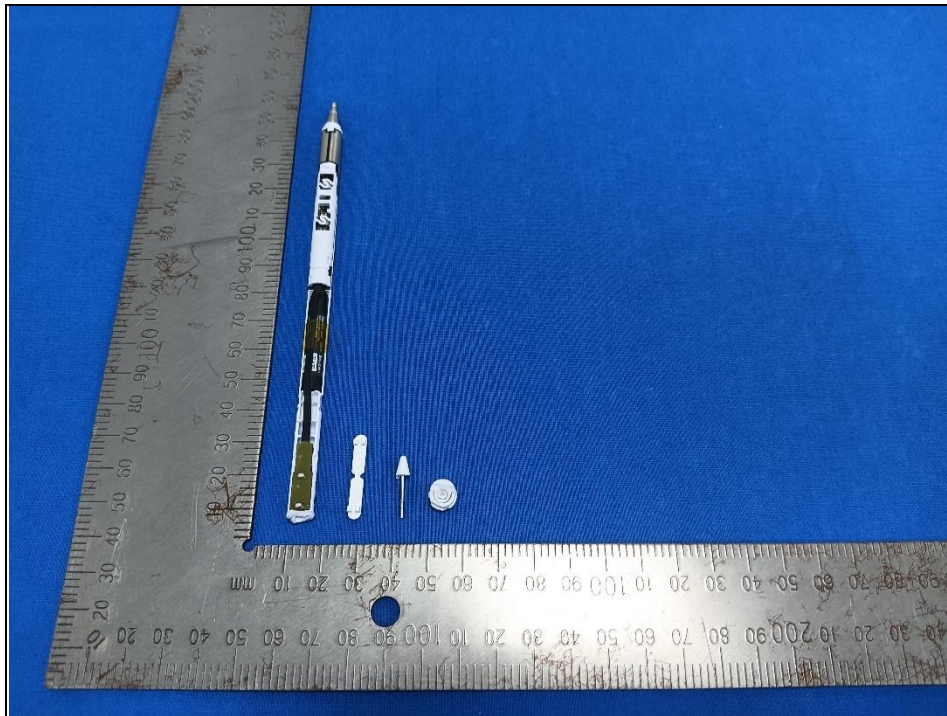
3.7 CONSTRUCTION PROTECTION CONFIRMATION METHOD

3.7.1 CONFIRMATION METHOD

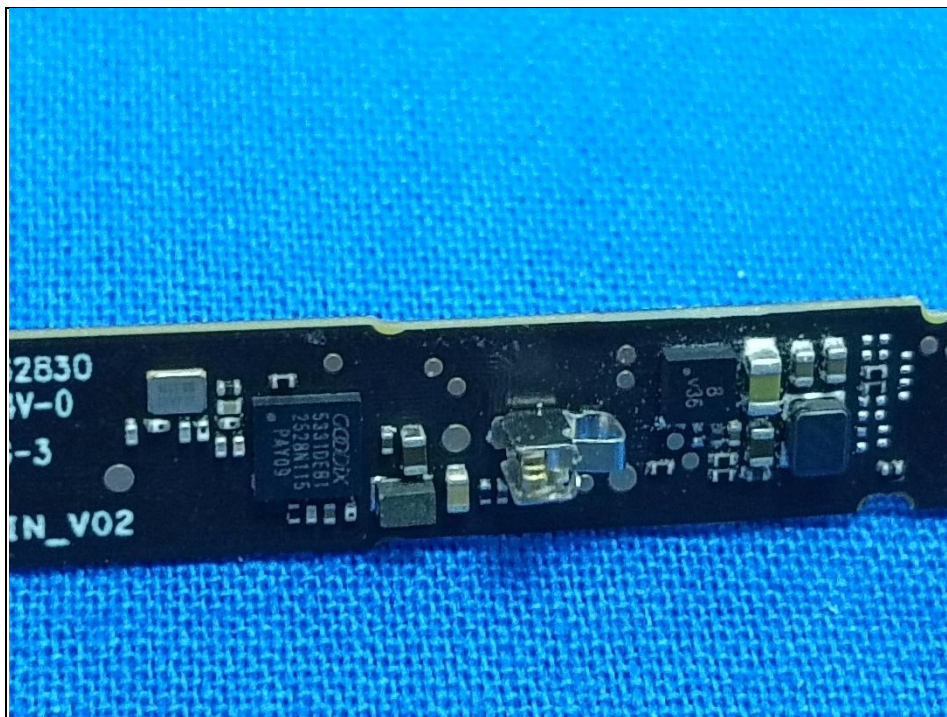
☐	Sealed with special screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☒	Chassis is glued using a special adhesive.
☐	Metal covers are spot fused.
☐	Cover is specially interlocked.
☐	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☐	Other :



3.7.2 THE PHOTOS OF CONSTRUCTION PROTECTION



3.7.3 TEST CIRCUIT PHOTO





4. TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Calibration Authority	Last Cal.	Next Cal.	Cal. Method
Power Meter	ANRITSU	ML2495A	1506002	GuangDian	Feb. 19,26	Feb. 18,27	c
DC Source	Agilent	U8002A	MY52140018	GuangDian	May. 29,25	May. 28,26	c
EXA Signal Analyzer	KEYSIGHT	N9010A-526	MY54510523	GuangDian	Feb. 19,26	Feb. 18,27	c
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	GuangDian	May. 30,25	May. 29,26	c
Power Sensor	ANRITSU	MA2411B	1339352	GuangDian	May. 04,25	May. 03,26	c
Signal Generator_N5182B	KEYSIGHT	N5182B	MY56200114	GuangDian	Feb. 12,26	Feb. 11,27	c
WEINSCHTEL	10Db Attenuator	6231	666	GuangDian	Aug. 14,25	Aug. 13,26	c
Power Divider (distributor)	GuangDian	ZPD8-2M0-40G-1942	04223129	GuangDian	Nov.03.25	Nov.02.26	c
RF Control Unit	Tonscend	TS 8997	20251021	N/A	N/A	N/A	c

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to Calibration Lab: GRE Metrology & Test Group CO., LTD. Address: NO.163 Pingyun Rd, West of Huangpu Ave. Guangzhou, Guangdong, China.

2. The test was performed in RF Oven room.

Calibration Method:

- a: Calibration conducted by the National Institute of Information and Communications Technology ~ NICT ~ or a designated calibration agency under Article 102-18 paragraph (1) ~ TELEC Engineering Center, Intertek Japan K.K, Keysight Technologies, Inc~.
- b: Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992) ~ Japan Calibration Service System~
- c: Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1) ~ TELEC Engineering Center, Intertek Japan K.K, Keysight Technologies, Inc~
- d: Calibration conducted by using other equipment that listed above from a) to c)



5. PHOTOGRAPHS OF THE TEST CONFIGURATION





6. MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.



7. APPENDIX

Frequency Error

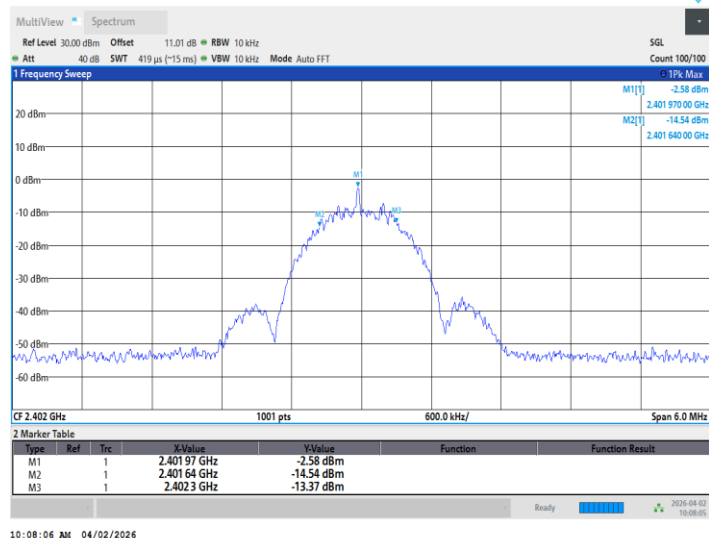
TEST RESULT

TestCondition	TestMode	Antenna	Freq(MHz)	Result[ppm]	Limit[ppm]	Verdict
NTNV	BLE_1M	Ant1	2402	-12.48959	±50	PASS
			2440	+0.00000	±50	PASS
			2480	+1.20968	±50	PASS
	BLE_2M	Ant1	2404	+11.23128	±50	PASS
			2440	+11.06557	±50	PASS
			2478	+15.73850	±50	PASS
NTLV	BLE_1M	Ant1	2402	-7.49376	±50	PASS
			2440	-12.29508	±50	PASS
			2480	-9.67742	±50	PASS
	BLE_2M	Ant1	2404	+9.98336	±50	PASS
			2440	+9.83607	±50	PASS
			2478	+9.68523	±50	PASS
NTHV	BLE_1M	Ant1	2402	-4.99584	±50	PASS
			2440	-14.75410	±50	PASS
			2480	-2.41936	±50	PASS
	BLE_2M	Ant1	2404	+27.45424	±50	PASS
			2440	+9.83607	±50	PASS
			2478	+2.42131	±50	PASS

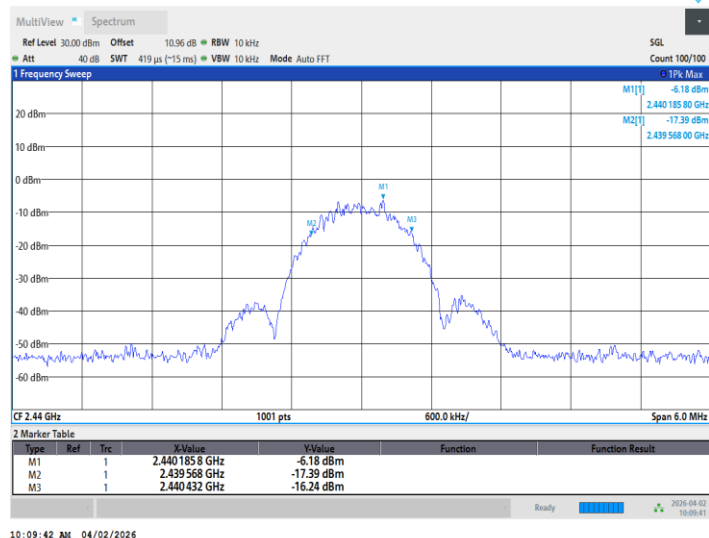


TEST GRAPHS

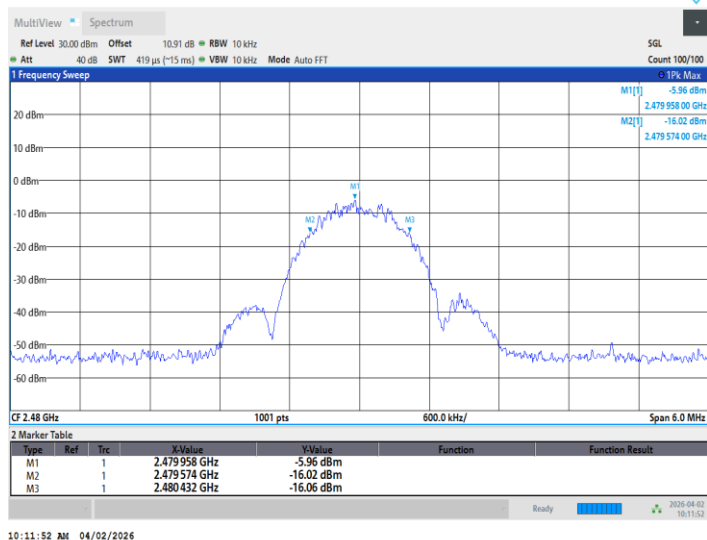
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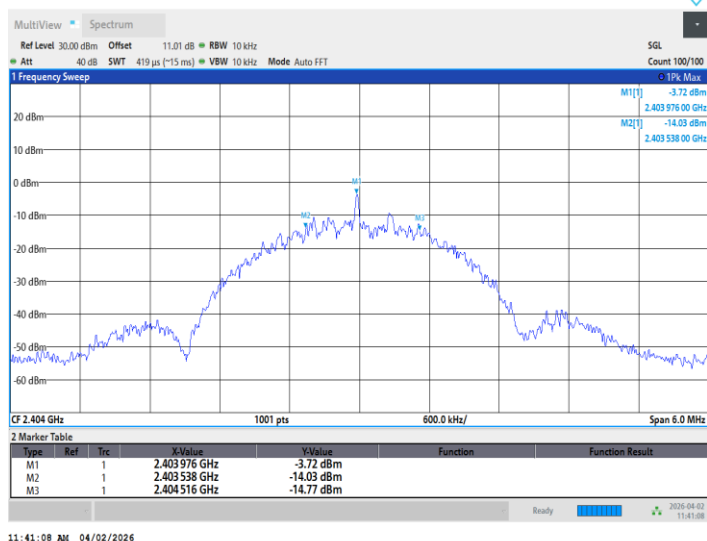
NTNV_BLE_1M_Ant1_2440



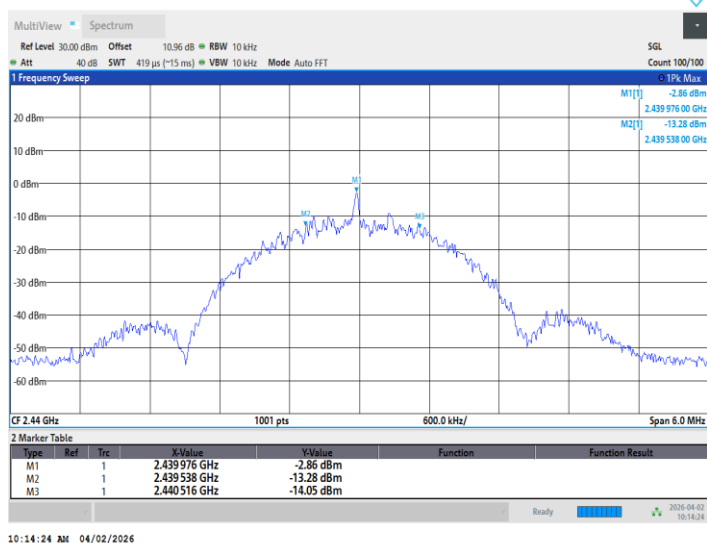
NTNV_BLE_1M_Ant1_2480



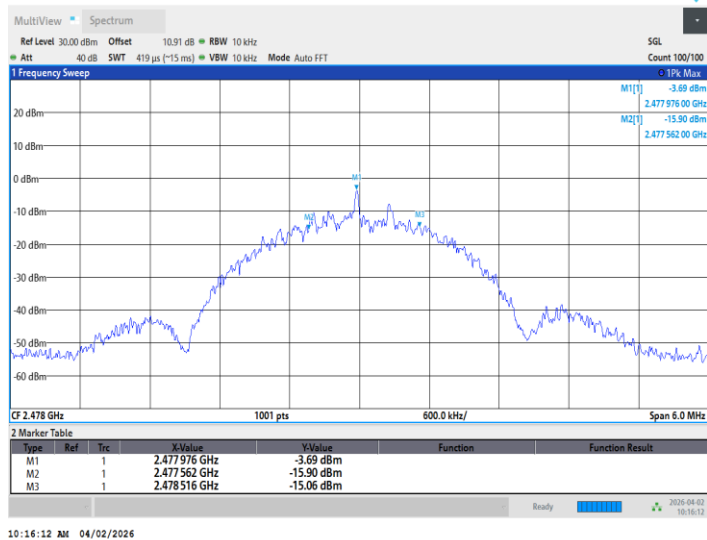
NTNV_BLE_2M_Ant1_2404



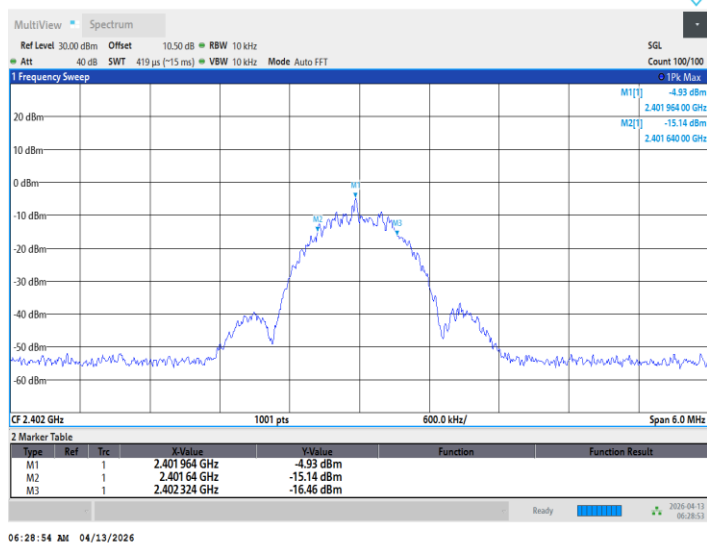
NTNV_BLE_2M_Ant1_2440



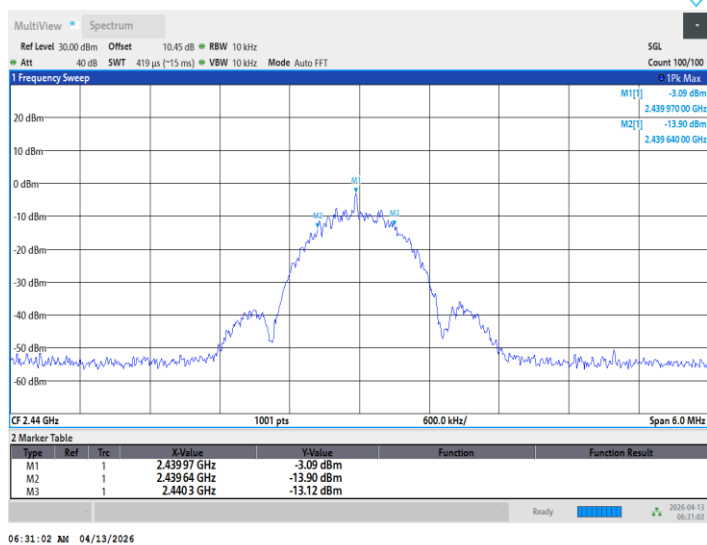
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NTLV_BLE_1M_Ant1_2402



NTLV_BLE_1M_Ant1_2440

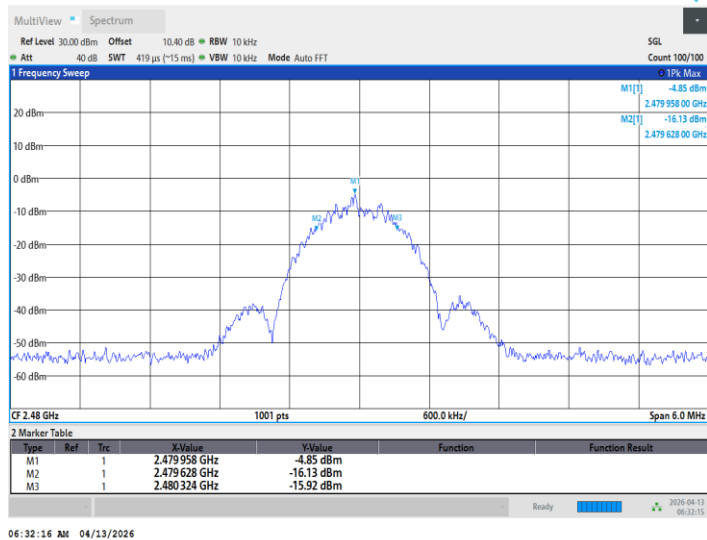


NTLV_BLE_1M_Ant1_2480

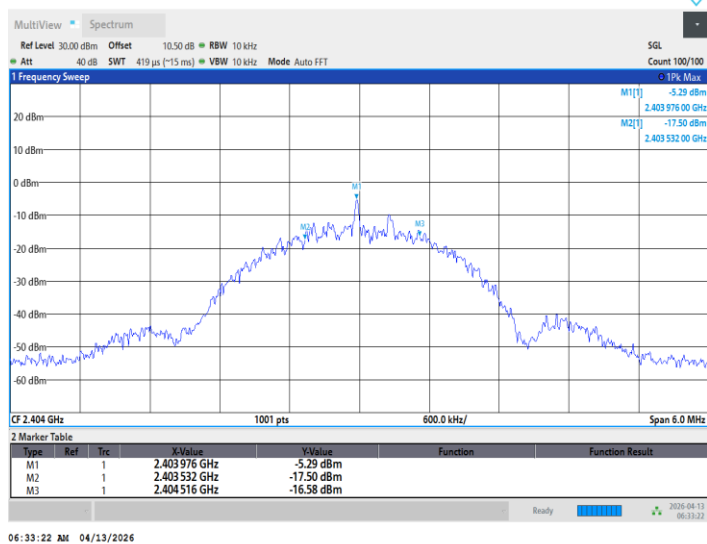
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tech District, Suzhou City, Anhui Province, China

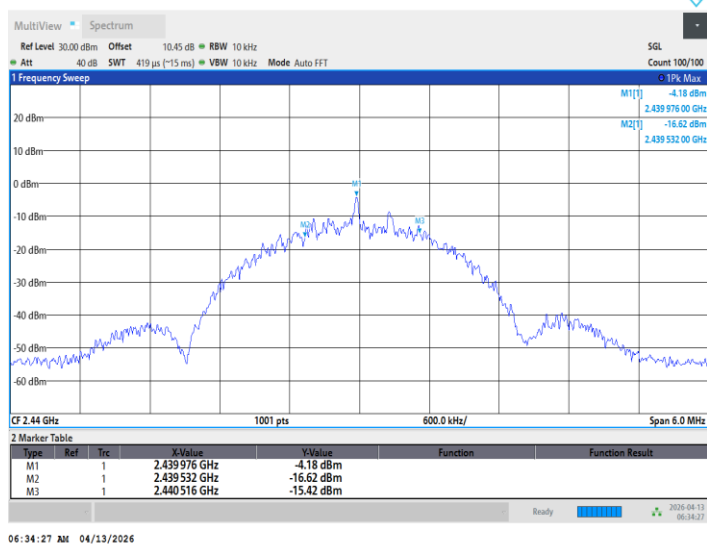
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NTLV_BLE_2M_Ant1_2404



NTLV_BLE_2M_Ant1_2440

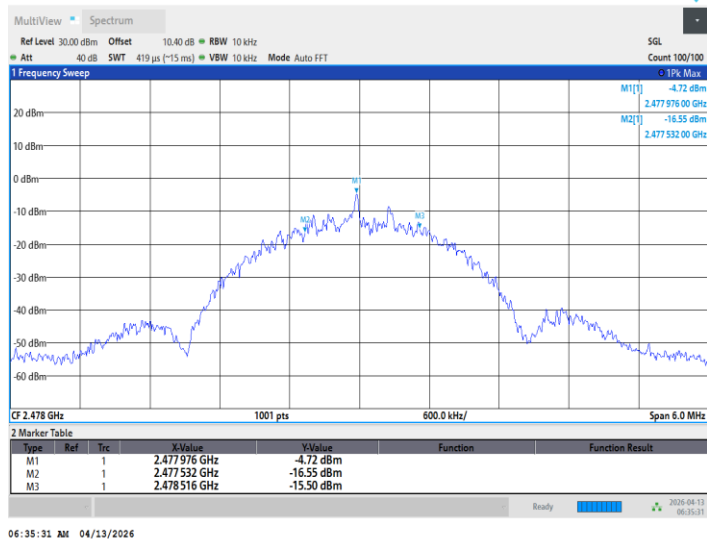


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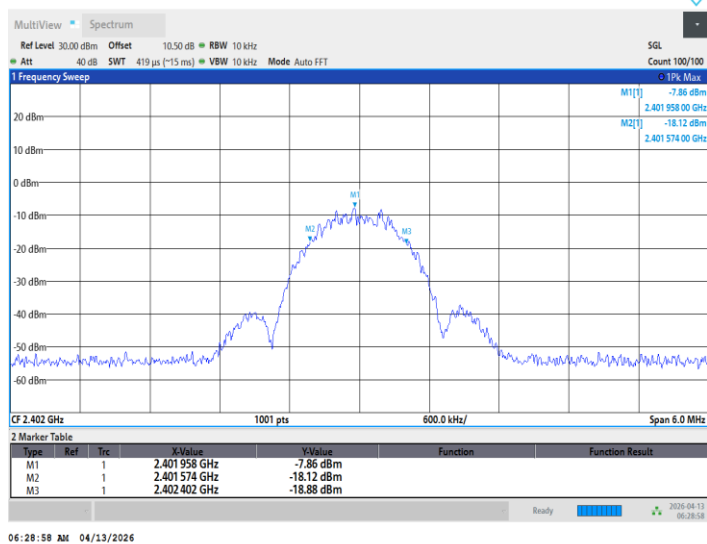
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tech District, Suzhou City, Anhui Province, China

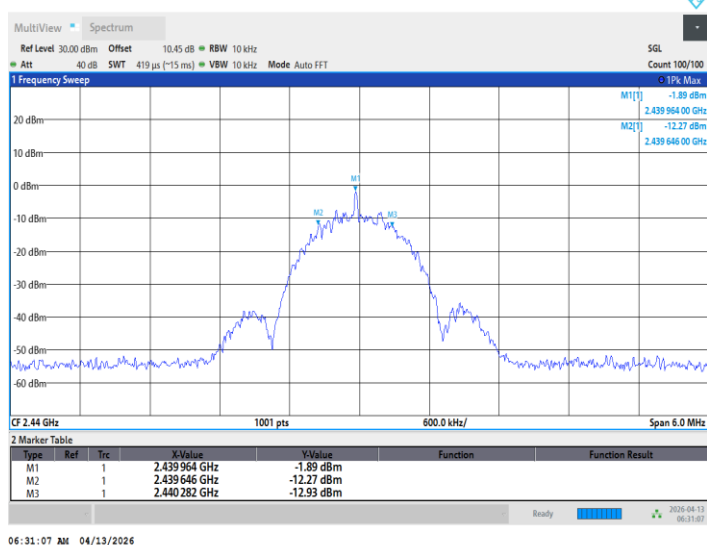
Tel: +86 (0557) 368 1008



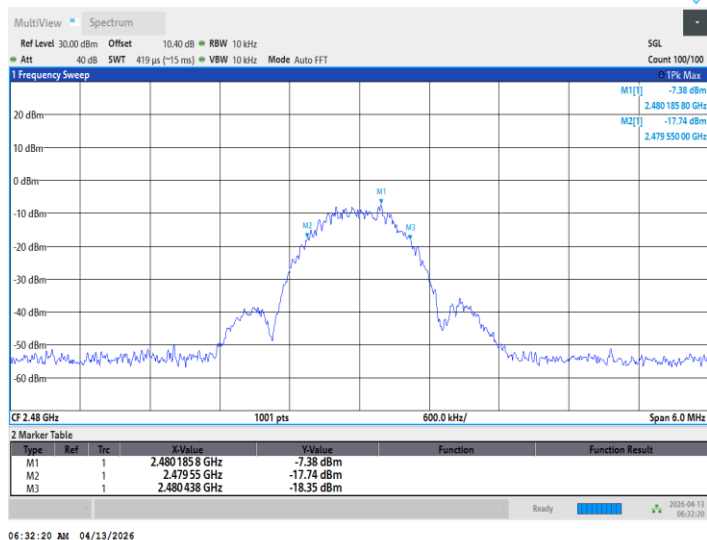
NTHV_BLE_1M_Ant1_2402



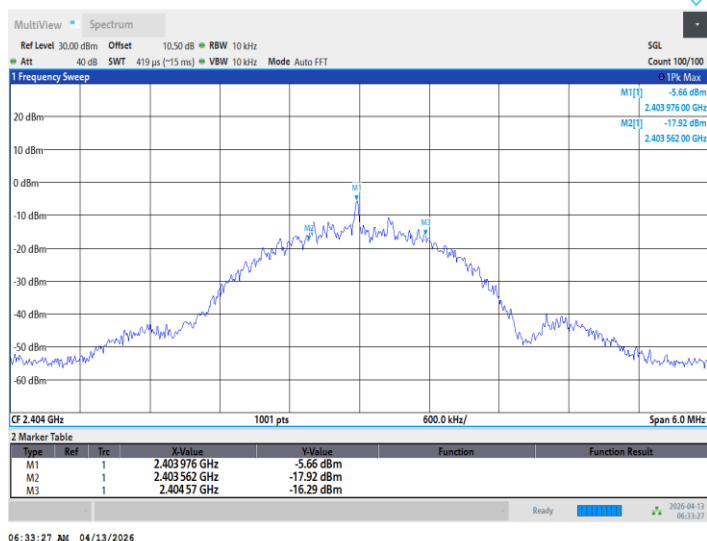
NTHV_BLE_1M_Ant1_2440



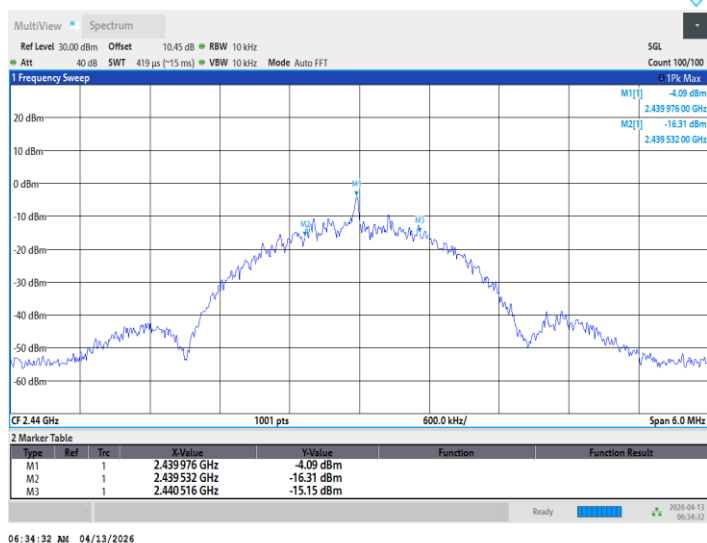
NTHV_BLE_1M_Ant1_2480



NTHV_BLE_2M_Ant1_2404



NTHV_BLE_2M_Ant1_2440

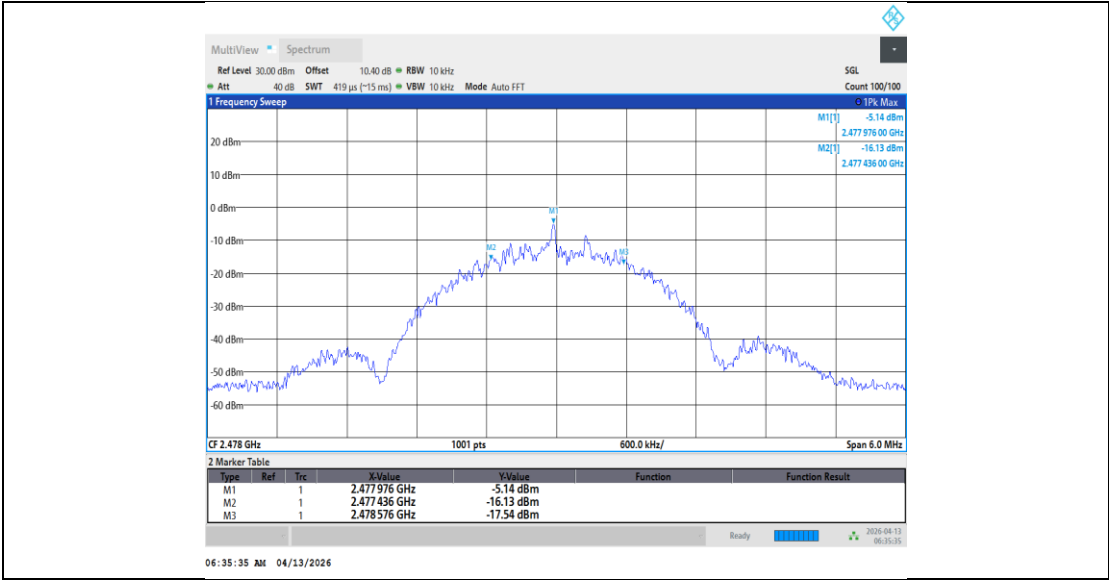


NTHV_BLE_2M_Ant1_2478

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Antenna Power

TEST RESULT

Antenna Power							
TestCondition	TestMode	Antenna	Freq	Result (dBm)	Result (mW)	Limit (mW)	Verdict
			(MHz)				
NTNV	BLE_1M	Ant1	2402	0.77	1.1940	≤10	PASS
			2440	0.78	1.1967	≤10	PASS
			2480	1.07	1.2794	≤10	PASS
	BLE_2M	Ant1	2404	0.70	1.1749	≤10	PASS
			2440	0.74	1.1858	≤10	PASS
			2478	1.01	1.2618	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq (MHz)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTNV	BLE_1M	Ant1	2402	1.1940	1.25	-4.48	-80 to +20	PASS
			2440	1.1967	1.25	-4.26	-80 to +20	PASS
			2480	1.2794	1.25	2.35	-80 to +20	PASS
	BLE_2M	Ant1	2404	1.1749	1.25	-6.01	-80 to +20	PASS
			2440	1.1858	1.25	-5.14	-80 to +20	PASS
			2478	1.2618	1.25	0.94	-80 to +20	PASS

EIRP								
TestCondition	TestMode	Antenna	Freq (MHz)	Result (dBm)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Verdict
NTNV	BLE_1M	Ant1	2402	0.77	2.05	1.6032	≤12.14	PASS
			2440	0.78	2.06	1.6069	≤12.14	PASS
			2480	1.07	2.35	1.7179	≤12.14	PASS
	BLE_2M	Ant1	2404	0.70	1.98	1.5776	≤12.14	PASS
			2440	0.74	2.02	1.5922	≤12.14	PASS
			2478	1.01	2.29	1.6943	≤12.14	PASS



Antenna Power							
TestCondition	TestMode	Antenna	Freq	Result (dBm)	Result (mW)	Limit (mW)	Verdict
			(MHz)				
NTHV	BLE_1M	Ant1	2402	0.92	1.2359	≤10	PASS
			2440	0.74	1.1858	≤10	PASS
			2480	1.15	1.3032	≤10	PASS
	BLE_2M	Ant1	2404	0.82	1.2078	≤10	PASS
			2440	0.68	1.1695	≤10	PASS
			2478	1.13	1.2972	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq (MHz)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTHV	BLE_1M	Ant1	2402	1.2359	1.25	-1.13	-80 to +20	PASS
			2440	1.1858	1.25	-5.14	-80 to +20	PASS
			2480	1.3032	1.25	4.26	-80 to +20	PASS
	BLE_2M	Ant1	2404	1.2078	1.25	-3.38	-80 to +20	PASS
			2440	1.1695	1.25	-6.44	-80 to +20	PASS
			2478	1.2972	1.25	3.78	-80 to +20	PASS

EIRP								
TestCondition	TestMode	Antenna	Freq (MHz)	Result (dBm)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Verdict
NTHV	BLE_1M	Ant1	2402	0.92	2.20	1.6596	≤12.14	PASS
			2440	0.74	2.02	1.5922	≤12.14	PASS
			2480	1.15	2.43	1.7498	≤12.14	PASS
	BLE_2M	Ant1	2404	0.82	2.10	1.6218	≤12.14	PASS
			2440	0.68	1.96	1.5704	≤12.14	PASS
			2478	1.13	2.41	1.7418	≤12.14	PASS



Antenna Power							
TestCondition	TestMode	Antenna	Freq	Result (dBm)	Result (mW)	Limit (mW)	Verdict
			(MHz)				
NTLV	BLE_1M	Ant1	2402	0.68	1.1695	≤10	PASS
			2440	0.76	1.1912	≤10	PASS
			2480	1.30	1.3490	≤10	PASS
	BLE_2M	Ant1	2404	0.66	1.1641	≤10	PASS
			2440	0.73	1.1830	≤10	PASS
			2478	1.12	1.2942	≤10	PASS

Tolerance								
Test Condition	Test Mode	Antenna	Freq (MHz)	Power (mW)	Rated Power (mW)	Result (%)	Limit (%)	Verdict
NTLV	BLE_1M	Ant1	2402	1.1695	1.25	-6.44	-80 to +20	PASS
			2440	1.1912	1.25	-4.70	-80 to +20	PASS
			2480	1.3490	1.25	7.92	-80 to +20	PASS
	BLE_2M	Ant1	2404	1.1641	1.25	-6.87	-80 to +20	PASS
			2440	1.1830	1.25	-5.36	-80 to +20	PASS
			2478	1.2942	1.25	3.54	-80 to +20	PASS

EIRP								
TestCondition	TestMode	Antenna	Freq (MHz)	Result (dBm)	EIRP (dBm)	EIRP (mW)	Limit (dBm)	Verdict
NTLV	BLE_1M	Ant1	2402	0.68	1.96	1.5704	≤12.14	PASS
			2440	0.76	2.04	1.5996	≤12.14	PASS
			2480	1.30	2.58	1.8113	≤12.14	PASS
	BLE_2M	Ant1	2404	0.66	1.94	1.5631	≤12.14	PASS
			2440	0.73	2.01	1.5885	≤12.14	PASS
			2478	1.12	2.40	1.7378	≤12.14	PASS



Occupied Bandwidth

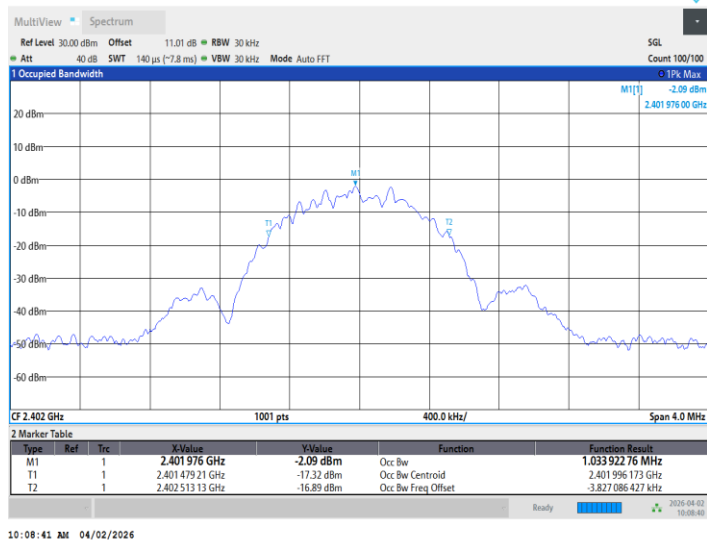
TEST RESULT

TestCondition	TestMode	Antenna	Freq(MHz)	Result [MHz]	Limit [MHz]	Verdict
NTNV	BLE_1M	Ant1	2402	1.034	≤26	PASS
			2440	1.041	≤26	PASS
			2480	1.043	≤26	PASS
	BLE_2M	Ant1	2404	2.037	≤26	PASS
			2440	2.068	≤26	PASS
			2478	2.041	≤26	PASS
NTLV	BLE_1M	Ant1	2402	1.044	≤26	PASS
			2440	1.043	≤26	PASS
			2480	1.041	≤26	PASS
	BLE_2M	Ant1	2404	2.051	≤26	PASS
			2440	2.037	≤26	PASS
			2478	2.038	≤26	PASS
NTHV	BLE_1M	Ant1	2402	1.044	≤26	PASS
			2440	1.044	≤26	PASS
			2480	1.039	≤26	PASS
	BLE_2M	Ant1	2404	2.056	≤26	PASS
			2440	2.054	≤26	PASS
			2478	2.028	≤26	PASS

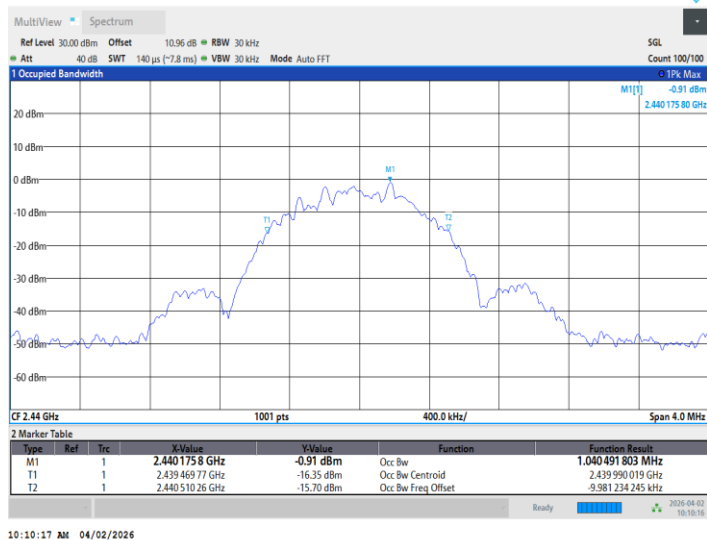


TEST GRAPHS

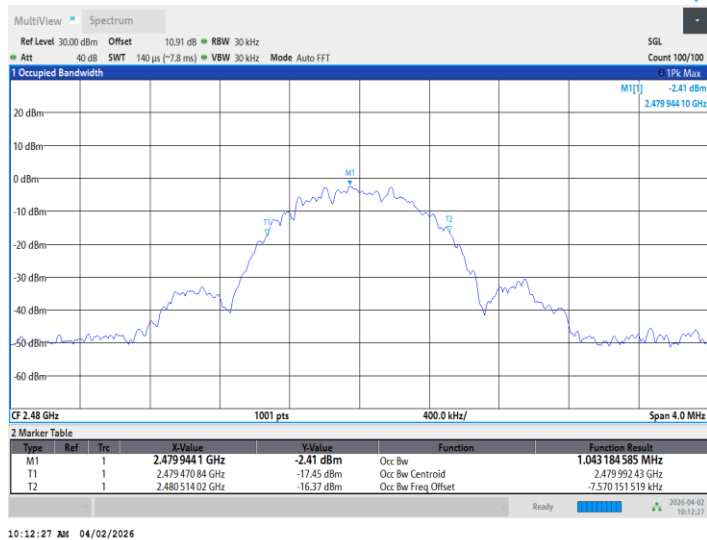
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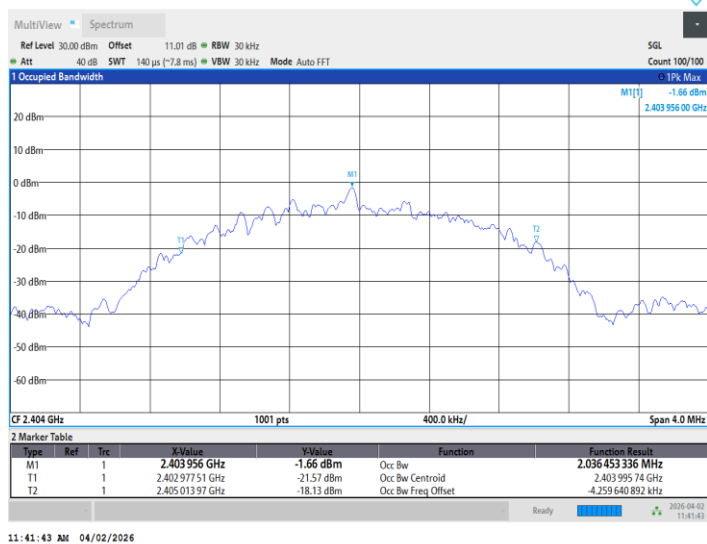
NTNV_BLE_1M_Ant1_2440



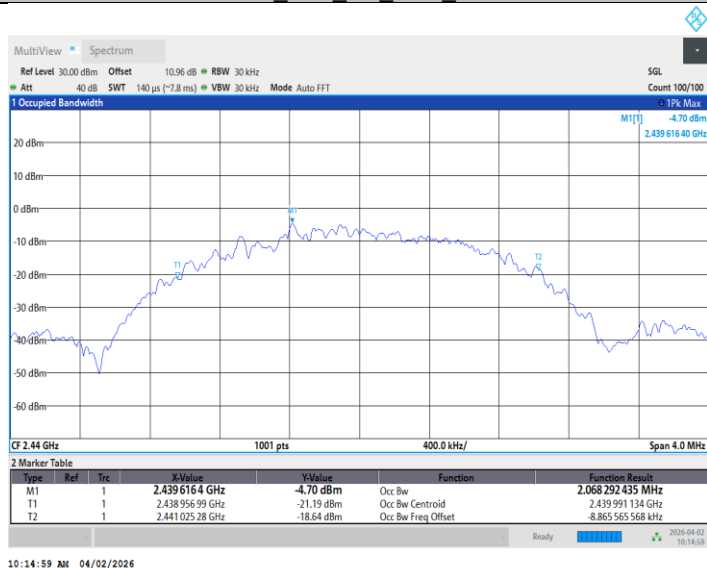
NTNV_BLE_1M_Ant1_2480



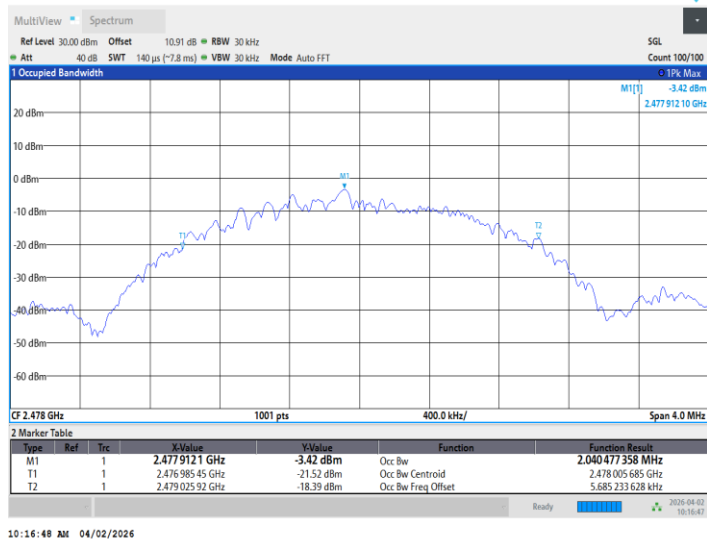
NTNV_BLE_2M_Ant1_2404



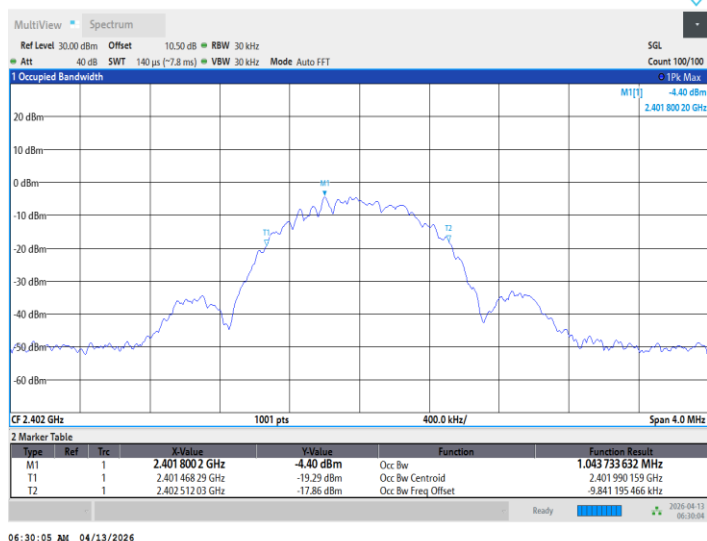
NTNV_BLE_2M_Ant1_2440



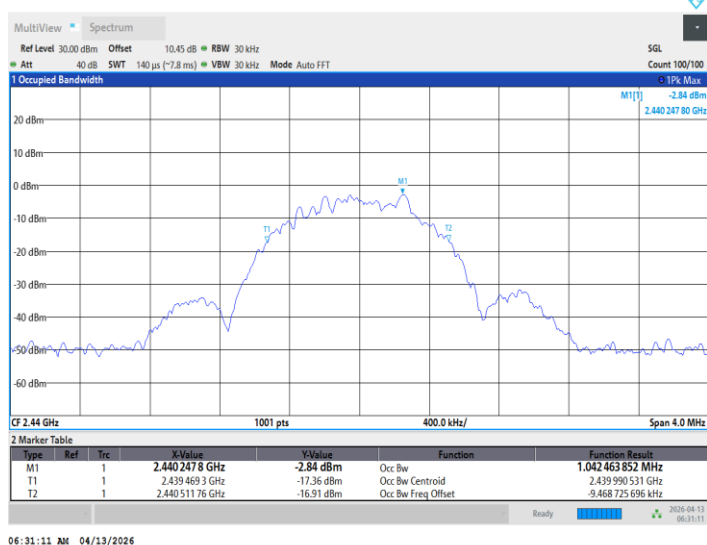
NTNV_BLE_2M_Ant1_2478



NTLV_BLE_1M_Ant1_2402



NTLV_BLE_1M_Ant1_2440

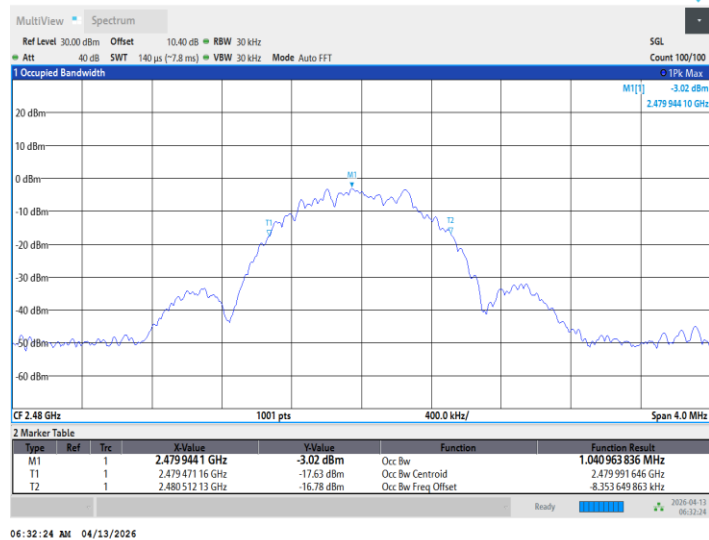


NTLV_BLE_1M_Ant1_2480

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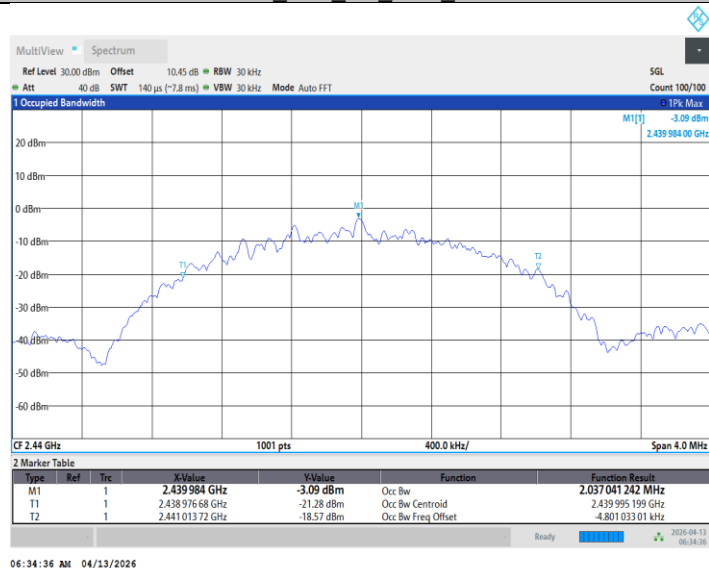
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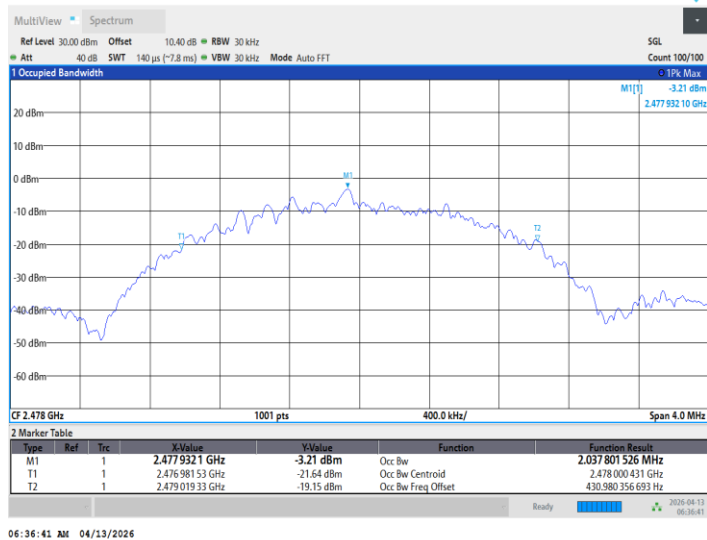
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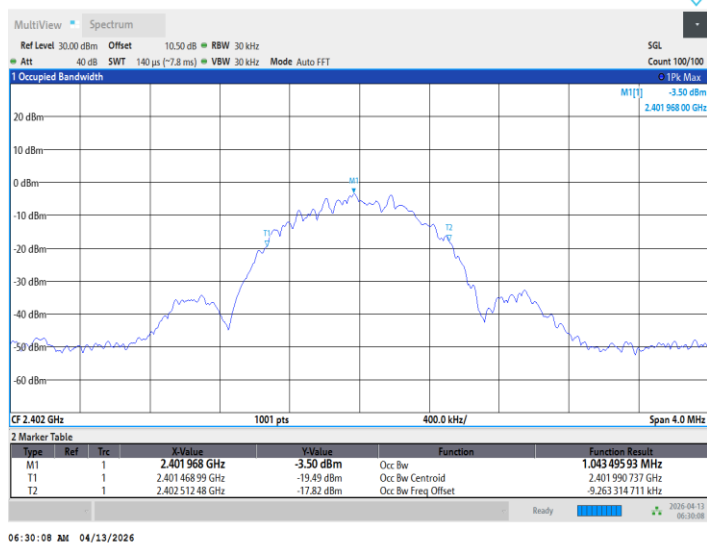
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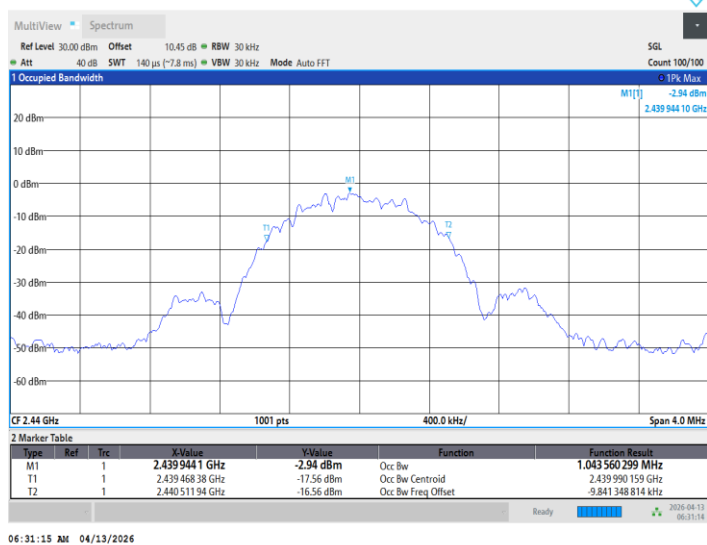
NTLV_BLE_2M_Ant1_2478



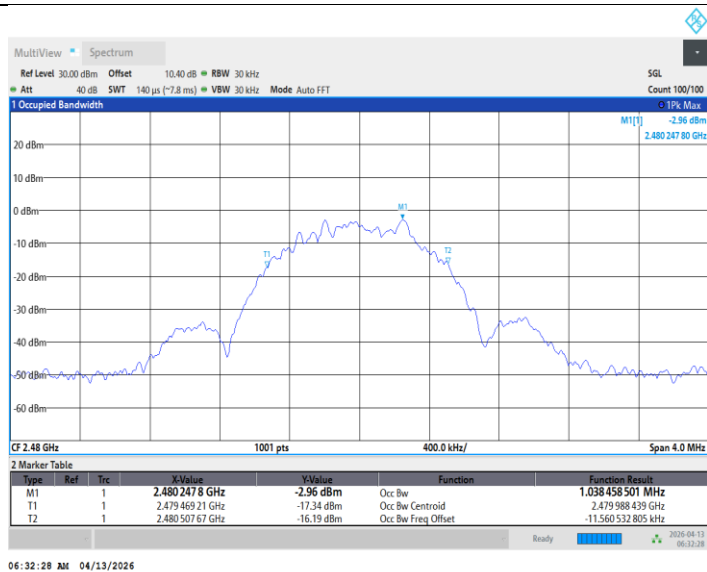
NTHV_BLE_1M_Ant1_2402



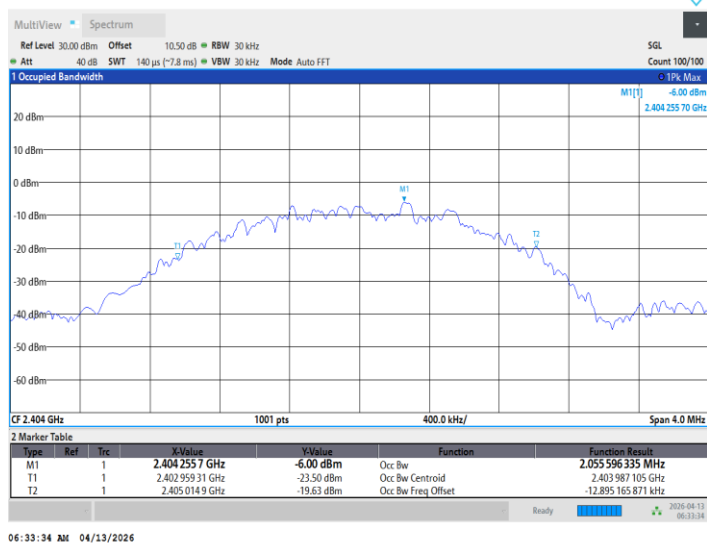
NTHV_BLE_1M_Ant1_2440



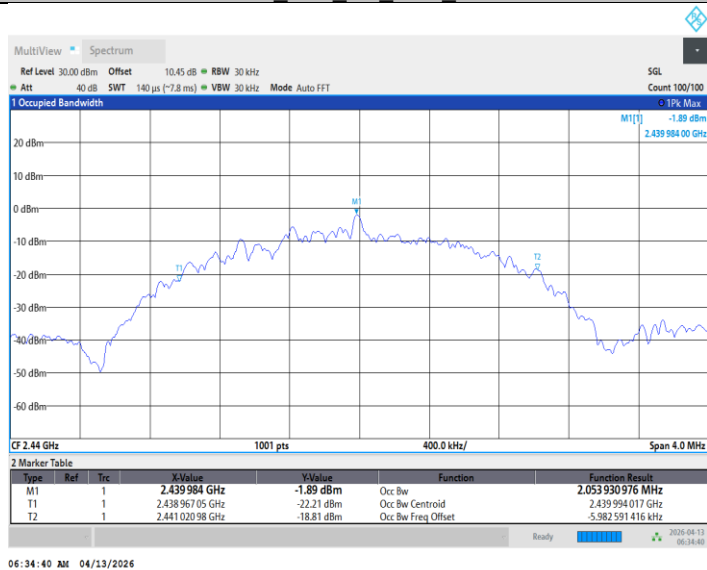
NTHV_BLE_1M_Ant1_2480



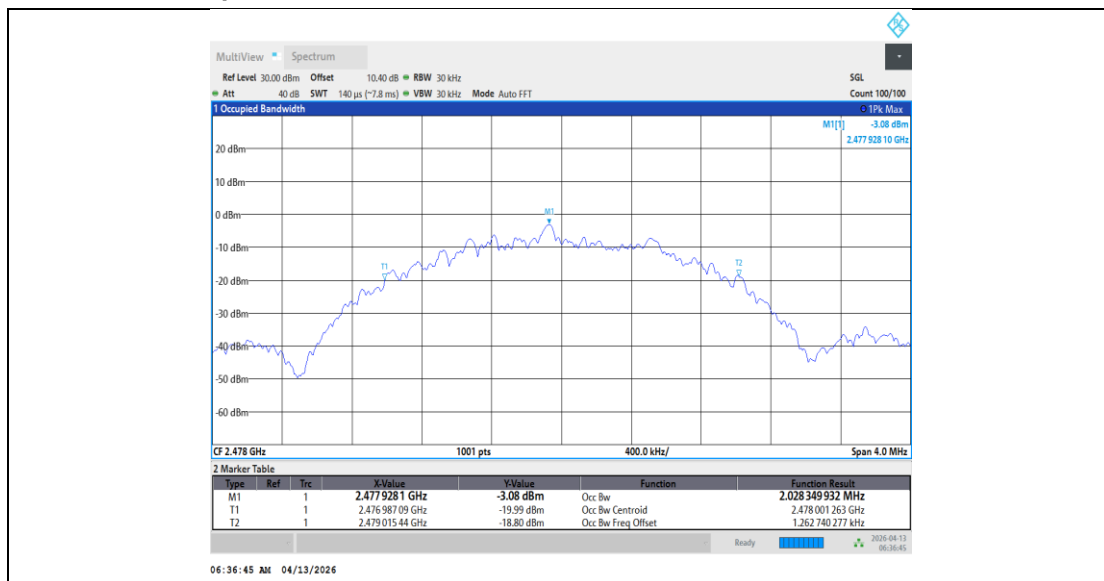
NTHV_BLE_2M_Ant1_2404



NTHV_BLE_2M_Ant1_2440



NTHV_BLE_2M_Ant1_2478





Spurious Emission of TX

TEST RESULT

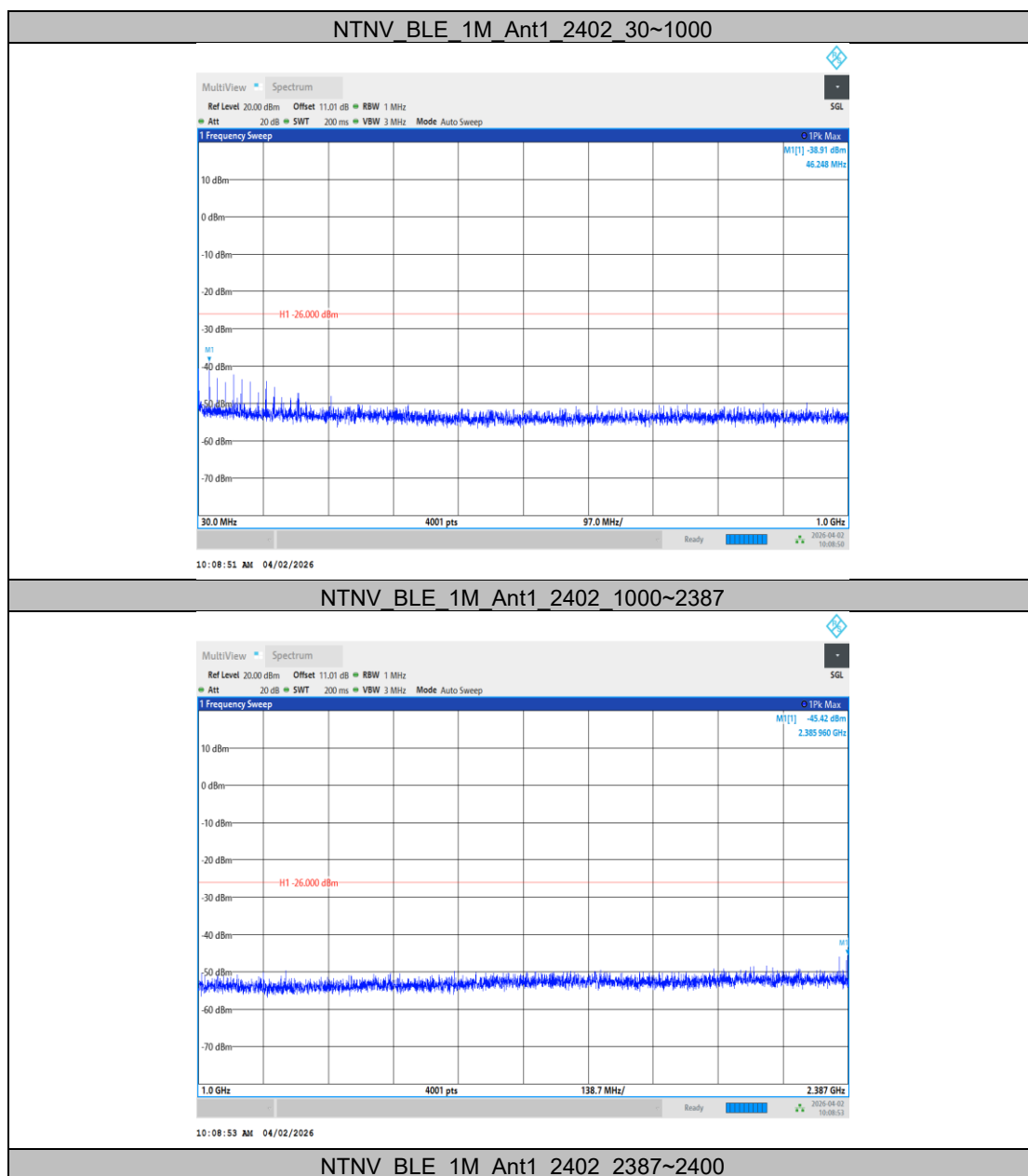
TestCondition	TestMode	Antenna	Freq(M Hz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm/Mh z]	Limit [dBm/Mh z]	Result [μW/Mh z]	Limit [μW/M hz]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	46.25	-38.91	≤-26	0.12853	≤2.5	PASS
				1000~2387	2385.96	-45.42	≤-26	0.02871	≤2.5	PASS
				2387~2400	2399.99	-30.01	≤-16	0.99770	≤25	PASS
				2483.5~2496.5	2486.83	-39.54	≤-16	0.11117	≤25	PASS
				2496.5~13000	4803.59	-44.18	≤-26	0.03819	≤2.5	PASS
			2440	30~1000	37.76	-40.20	≤-26	0.09550	≤2.5	PASS
				1000~2387	2224.03	-48.46	≤-26	0.01426	≤2.5	PASS
				2387~2400	2391.11	-39.38	≤-16	0.11535	≤25	PASS
				2483.5~2496.5	2486.26	-38.81	≤-16	0.13152	≤25	PASS
				2496.5~13000	6945.78	-44.73	≤-26	0.03365	≤2.5	PASS
		2480		30~1000	40.67	-39.89	≤-26	0.10257	≤2.5	PASS
				1000~2387	2242.41	-48.26	≤-26	0.01493	≤2.5	PASS
				2387~2400	2399.06	-39.64	≤-16	0.10864	≤25	PASS
				2483.5~2496.5	2483.51	-34.61	≤-16	0.34594	≤25	PASS
				2496.5~13000	7001.45	-44.91	≤-26	0.03228	≤2.5	PASS
	BLE_2M	Ant1	2404	30~1000	47.70	-39.16	≤-26	0.12134	≤2.5	PASS
				1000~2387	2370.01	-47.61	≤-26	0.01734	≤2.5	PASS
				2387~2400	2398.53	-35.30	≤-16	0.29512	≤25	PASS
				2483.5~2496.5	2486.33	-39.33	≤-16	0.11668	≤25	PASS
				2496.5~13000	7485.66	-43.42	≤-26	0.04550	≤2.5	PASS
			2440	30~1000	42.13	-39.54	≤-26	0.11117	≤2.5	PASS
				1000~2387	2157.45	-48.53	≤-26	0.01403	≤2.5	PASS
				2387~2400	2389.20	-38.97	≤-16	0.12677	≤25	PASS
				2483.5~2496.5	2489.29	-39.61	≤-16	0.10940	≤25	PASS
				2496.5~13000	6456.32	-44.43	≤-26	0.03606	≤2.5	PASS
		2478		30~1000	38.49	-38.82	≤-26	0.13122	≤2.5	PASS
				1000~2387	2260.78	-48.54	≤-26	0.01400	≤2.5	PASS
				2387~2400	2395.36	-38.73	≤-16	0.13397	≤25	PASS
				2483.5~2496.5	2483.61	-36.93	≤-16	0.20277	≤25	PASS
				2496.5~13000	7329.16	-44.75	≤-26	0.03350	≤2.5	PASS
NTLV	BLE_1M	Ant1	2402	30~1000	50.86	-41.29	≤-26	0.07430	≤2.5	PASS
				1000~2387	1835.32	-49.30	≤-26	0.01175	≤2.5	PASS
				2387~2400	2400.00	-30.50	≤-16	0.89125	≤25	PASS
				2483.5~2496.5	2488.54	-39.38	≤-16	0.11535	≤25	PASS
				2496.5~13000	4803.07	-42.84	≤-26	0.05200	≤2.5	PASS
			2440	30~1000	32.43	-49.58	≤-26	0.01102	≤2.5	PASS
				1000~2387	1762.16	-48.80	≤-26	0.01318	≤2.5	PASS
				2387~2400	2390.43	-39.92	≤-16	0.10186	≤25	PASS
				2483.5~2496.5	2493.72	-39.42	≤-16	0.11429	≤25	PASS
				2496.5~13000	7493.01	-44.22	≤-26	0.03784	≤2.5	PASS
			2480	30~1000	40.67	-41.46	≤-26	0.07145	≤2.5	PASS
				1000~2387	1682.75	-48.89	≤-26	0.01291	≤2.5	PASS
				2387~2400	2393.83	-39.56	≤-16	0.11066	≤25	PASS
				2483.5~2496.5	2483.62	-36.86	≤-16	0.20606	≤25	PASS
				2496.5~13000	4960.62	-41.67	≤-26	0.06808	≤2.5	PASS
	BLE_2M	Ant1	2404	30~1000	38.00	-40.26	≤-26	0.09419	≤2.5	PASS
				1000~2387	2150.86	-48.87	≤-26	0.01297	≤2.5	PASS
				2387~2400	2399.45	-37.49	≤-16	0.17824	≤25	PASS

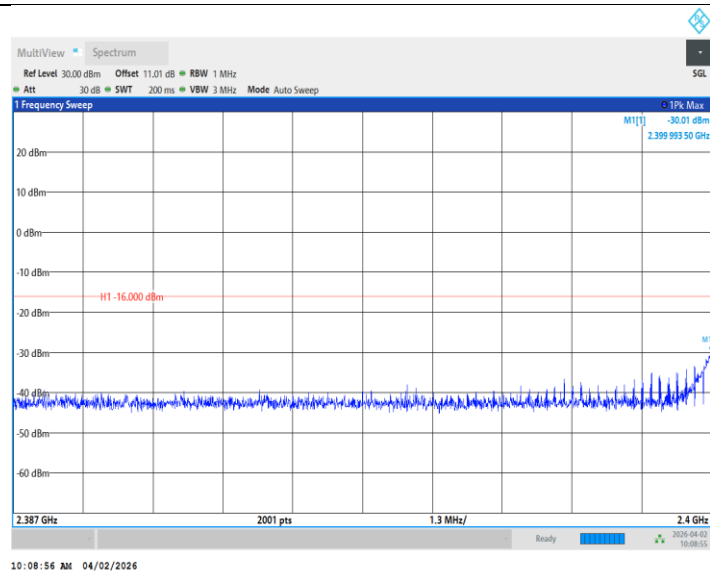


NTHV			2440	2483.5~2496.5	2485.51	-39.14	≤-16	0.12190	≤25	PASS
				2496.5~13000	4807.80	-44.33	≤-26	0.03690	≤2.5	PASS
				30~1000	48.19	-40.07	≤-26	0.09840	≤2.5	PASS
				1000~2387	2384.92	-48.05	≤-26	0.01567	≤2.5	PASS
				2387~2400	2398.65	-39.82	≤-16	0.10423	≤25	PASS
				2483.5~2496.5	2491.89	-39.02	≤-16	0.12531	≤25	PASS
				2496.5~13000	4879.22	-42.64	≤-26	0.05445	≤2.5	PASS
			2478	30~1000	37.52	-40.19	≤-26	0.09572	≤2.5	PASS
				1000~2387	2235.82	-48.78	≤-26	0.01324	≤2.5	PASS
				2387~2400	2395.64	-39.34	≤-16	0.11641	≤25	PASS
				2483.5~2496.5	2489.62	-39.22	≤-16	0.11967	≤25	PASS
	BLE_1M	Ant1	2402	2496.5~13000	7483.04	-44.54	≤-26	0.03516	≤2.5	PASS
				30~1000	40.67	-40.10	≤-26	0.09772	≤2.5	PASS
				1000~2387	2381.80	-48.67	≤-26	0.01358	≤2.5	PASS
				2387~2400	2400.00	-31.26	≤-16	0.74817	≤25	PASS
				2483.5~2496.5	2488.28	-39.49	≤-16	0.11246	≤25	PASS
			2440	2496.5~13000	4804.12	-41.90	≤-26	0.06457	≤2.5	PASS
				30~1000	34.12	-49.56	≤-26	0.01107	≤2.5	PASS
				1000~2387	1927.21	-49.15	≤-26	0.01216	≤2.5	PASS
				2387~2400	2394.18	-39.33	≤-16	0.11668	≤25	PASS
				2483.5~2496.5	2496.28	-39.46	≤-16	0.11324	≤25	PASS
				2496.5~13000	6459.47	-44.57	≤-26	0.03491	≤2.5	PASS
			2480	30~1000	41.40	-40.42	≤-26	0.09078	≤2.5	PASS
				1000~2387	1772.56	-49.06	≤-26	0.01242	≤2.5	PASS
				2387~2400	2396.94	-39.65	≤-16	0.10839	≤25	PASS
				2483.5~2496.5	2483.50	-36.19	≤-16	0.24044	≤25	PASS
				2496.5~13000	4959.57	-41.15	≤-26	0.07674	≤2.5	PASS
	BLE_2M	Ant1	2404	30~1000	46.98	-40.55	≤-26	0.08810	≤2.5	PASS
				1000~2387	2386.31	-45.96	≤-26	0.02535	≤2.5	PASS
				2387~2400	2399.88	-37.91	≤-16	0.16181	≤25	PASS
				2483.5~2496.5	2492.78	-39.06	≤-16	0.12417	≤25	PASS
				2496.5~13000	7094.41	-45.04	≤-26	0.03133	≤2.5	PASS
			2440	30~1000	40.43	-40.01	≤-26	0.09977	≤2.5	PASS
				1000~2387	2114.11	-49.09	≤-26	0.01233	≤2.5	PASS
				2387~2400	2391.47	-39.19	≤-16	0.12050	≤25	PASS
				2483.5~2496.5	2495.27	-39.58	≤-16	0.11015	≤25	PASS
				2496.5~13000	4879.22	-43.73	≤-26	0.04236	≤2.5	PASS
			2478	30~1000	48.92	-50.14	≤-26	0.00968	≤2.5	PASS
				1000~2387	2286.10	-49.06	≤-26	0.01242	≤2.5	PASS
				2387~2400	2392.24	-38.75	≤-16	0.13335	≤25	PASS
				2483.5~2496.5	2494.12	-38.48	≤-16	0.14191	≤25	PASS
				2496.5~13000	7406.36	-45.59	≤-26	0.02761	≤2.5	PASS

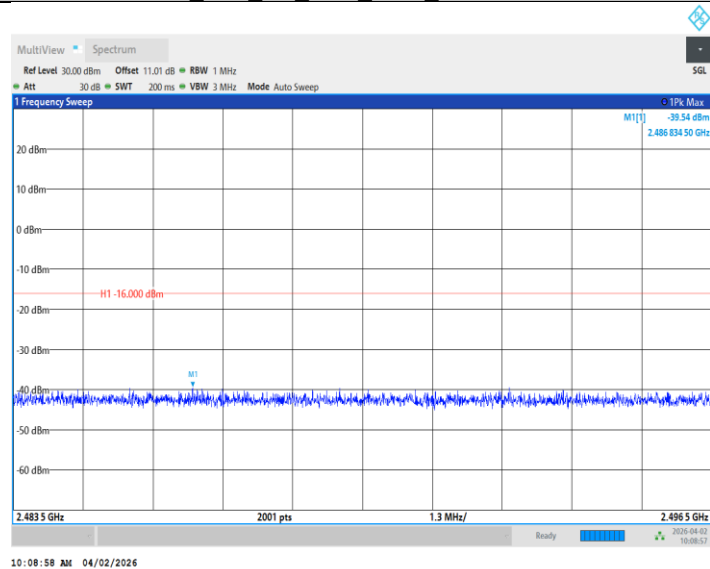


TEST GRAPHS

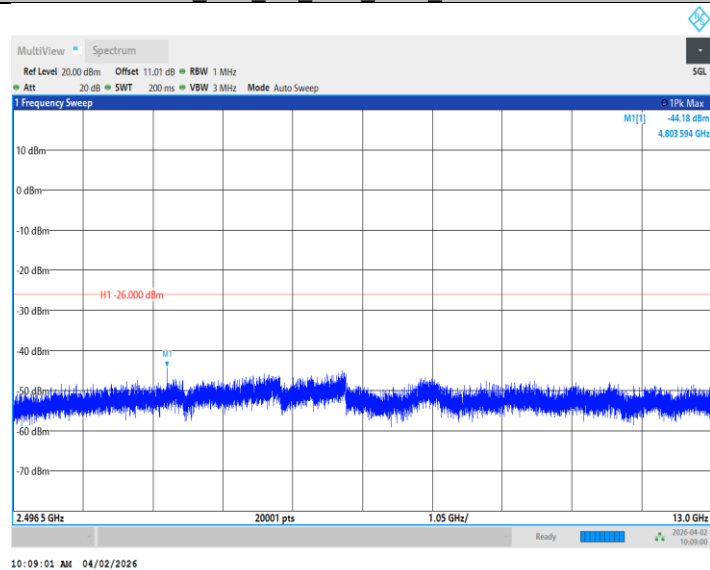




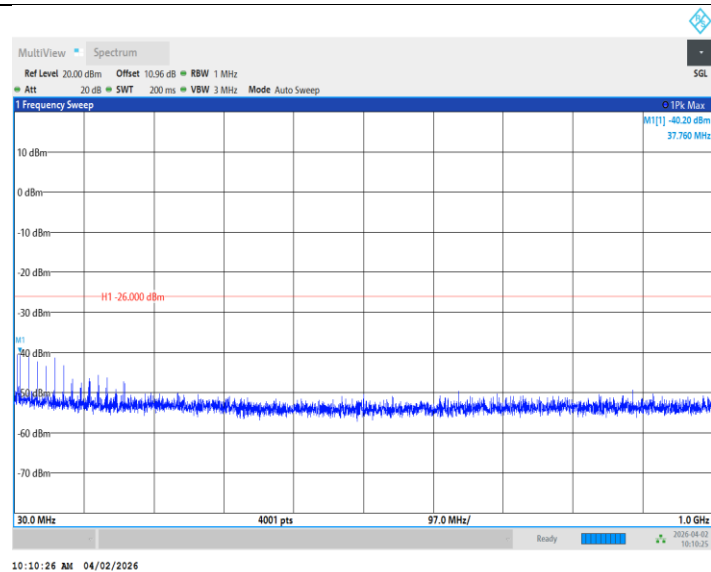
NTNV_BLE_1M_Ant1_2402_2483.5~2496.5



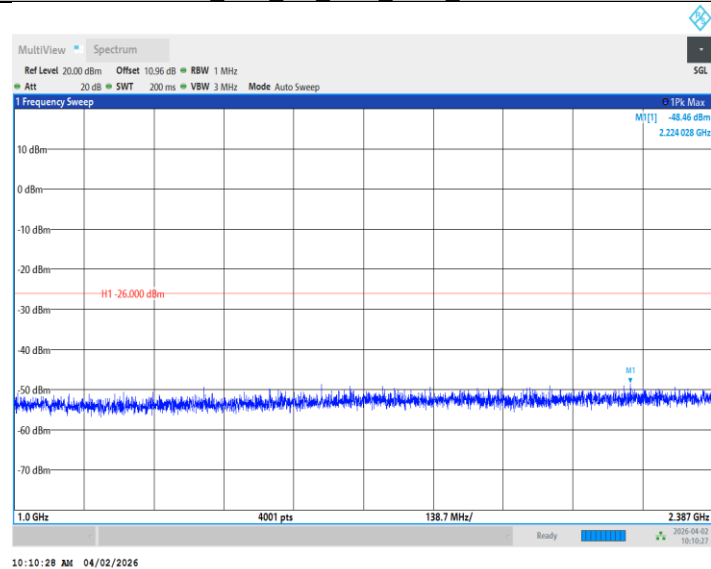
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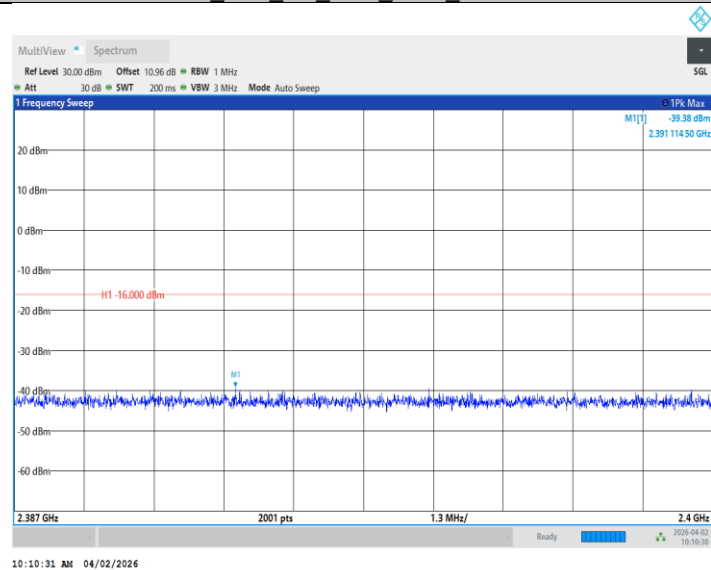
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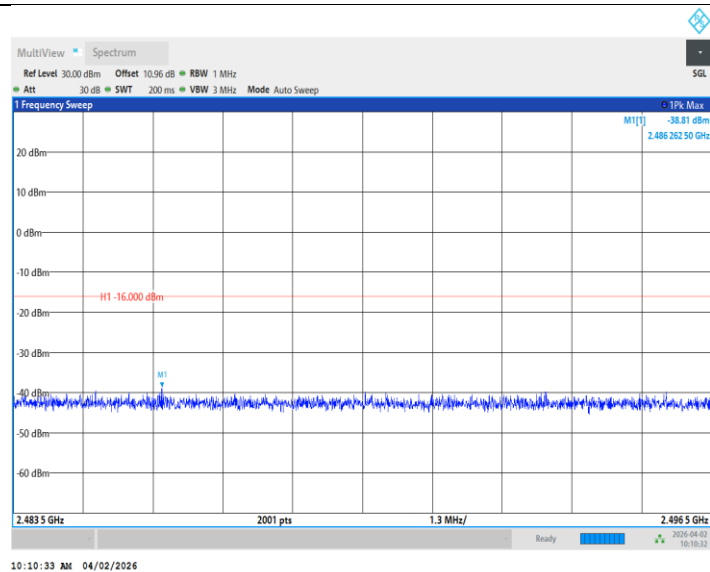
NTNV_BLE_1M_Ant1_2440_1000~2387



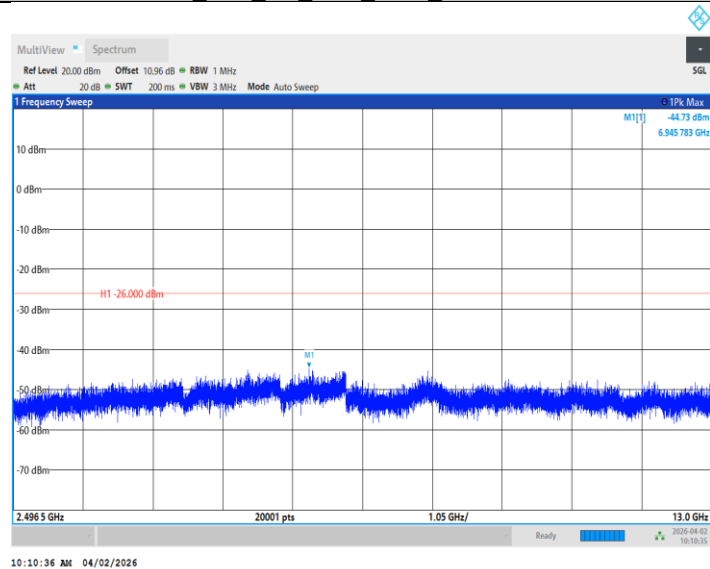
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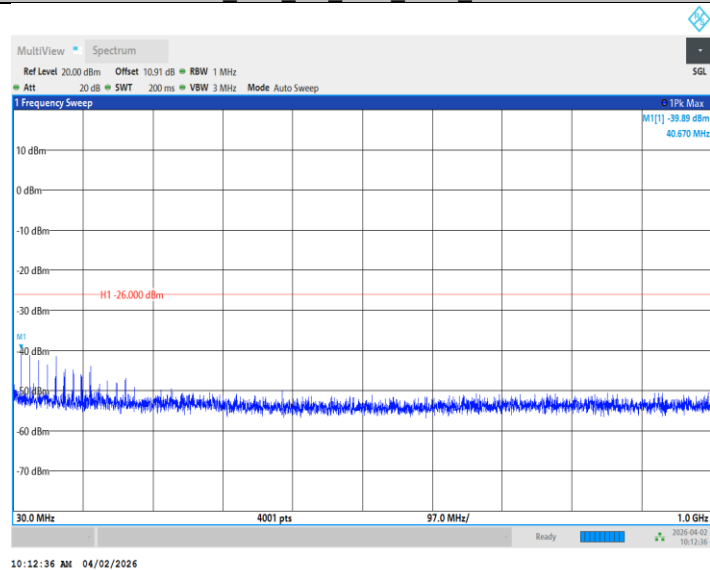
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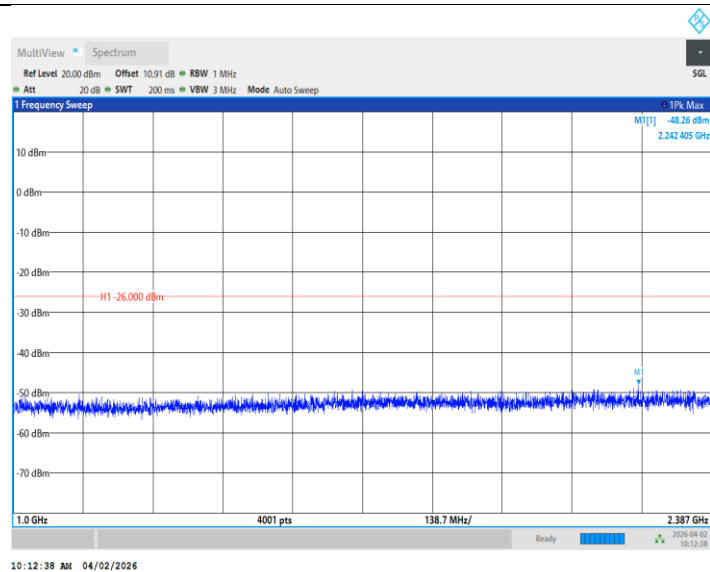
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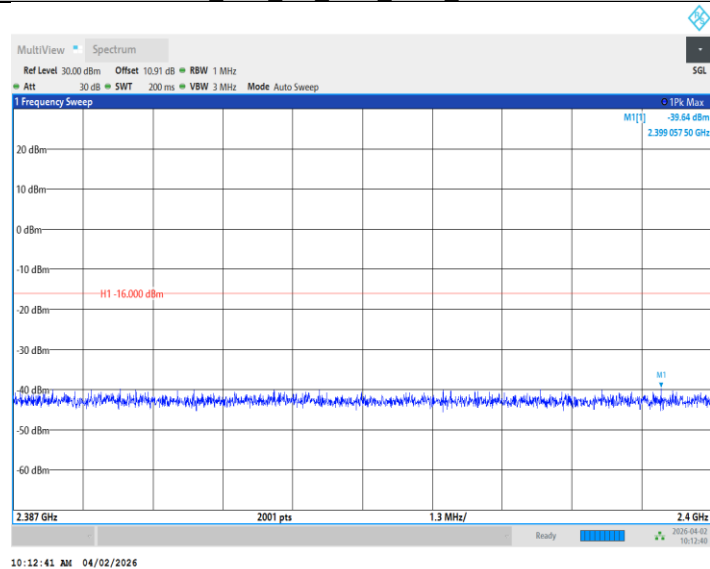
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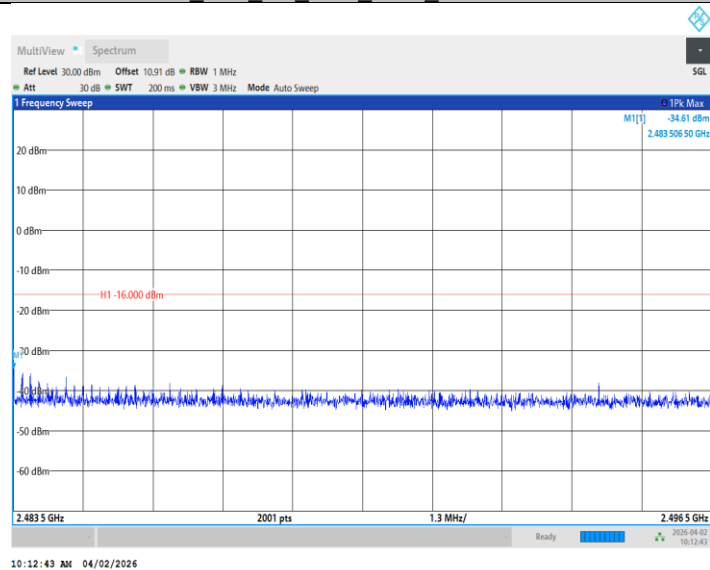
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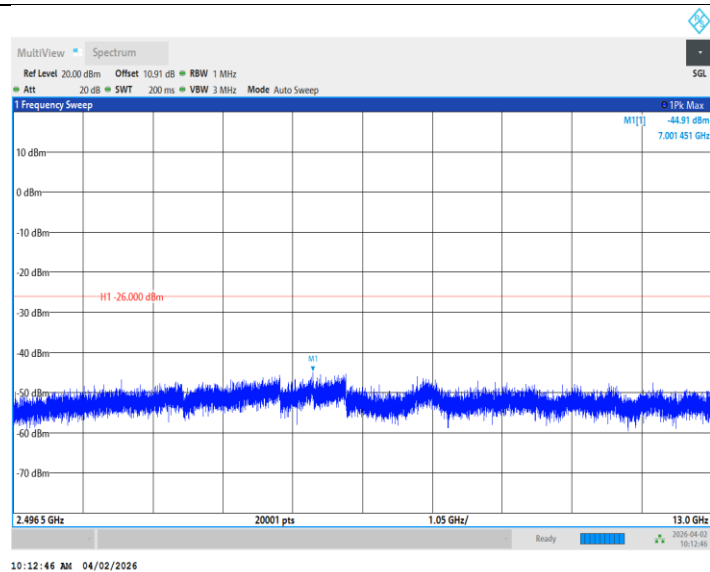
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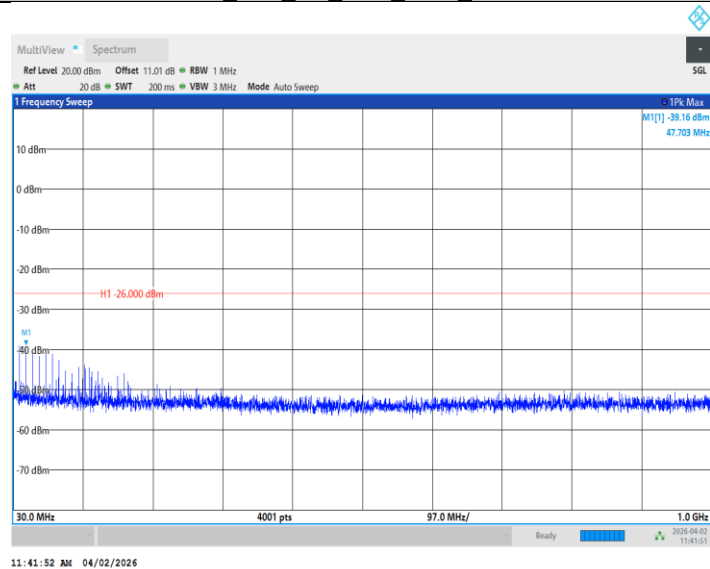
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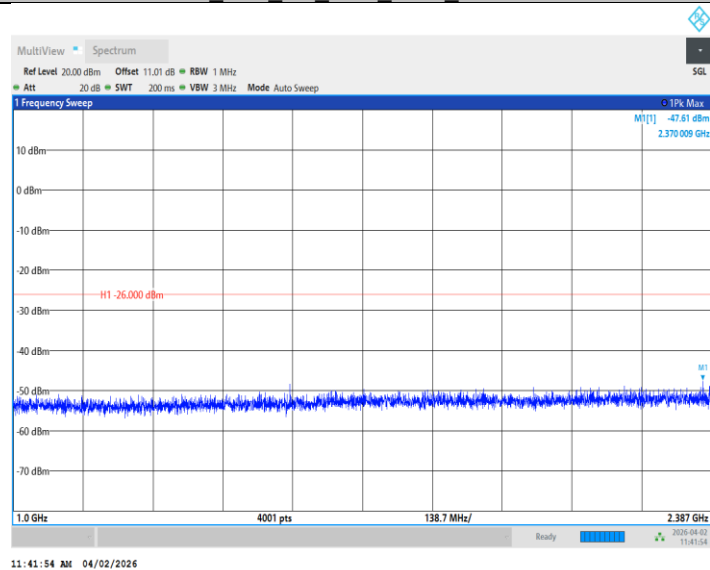
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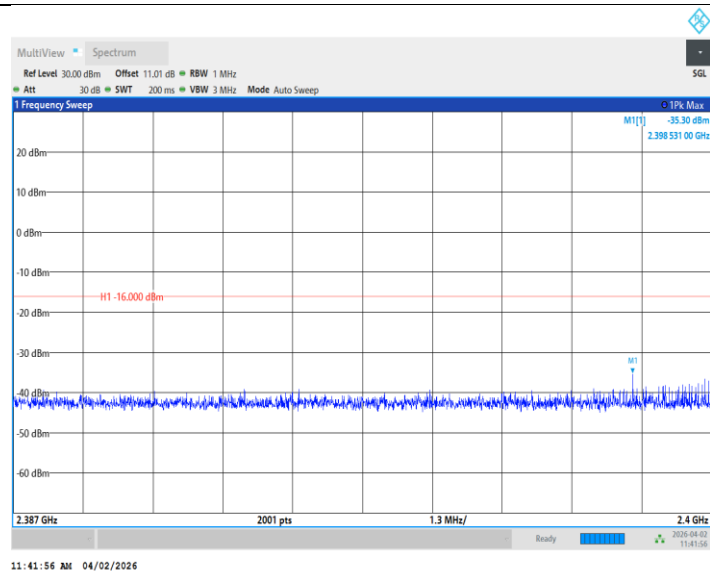
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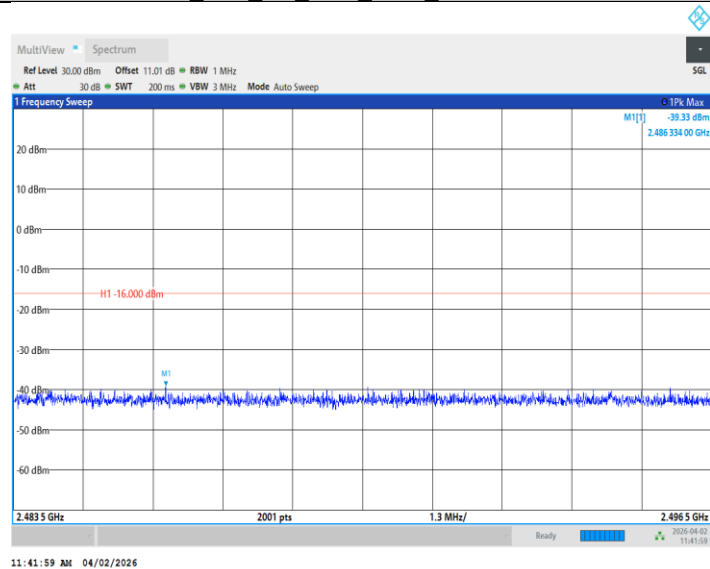
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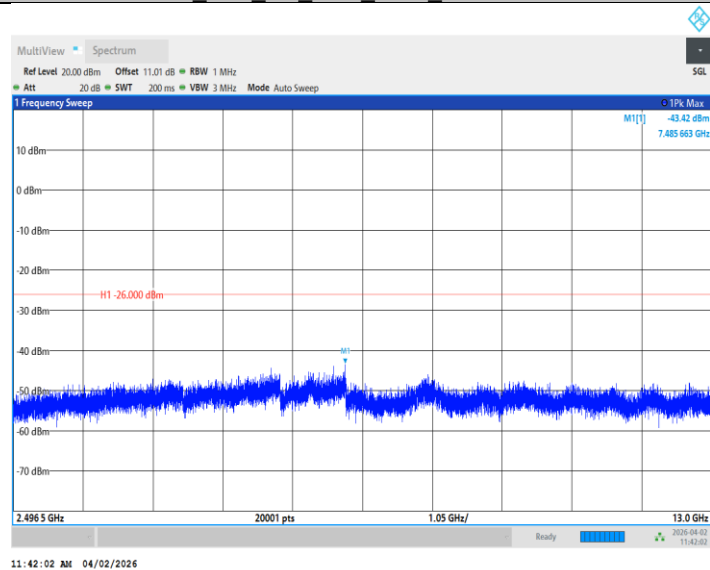
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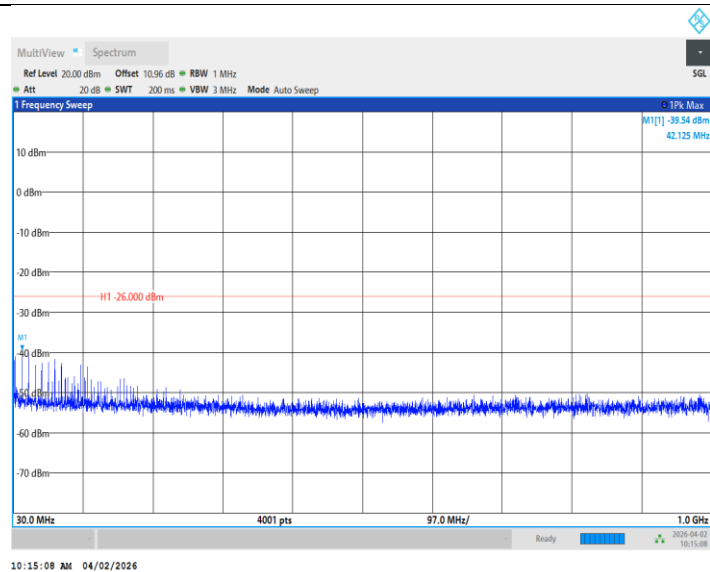
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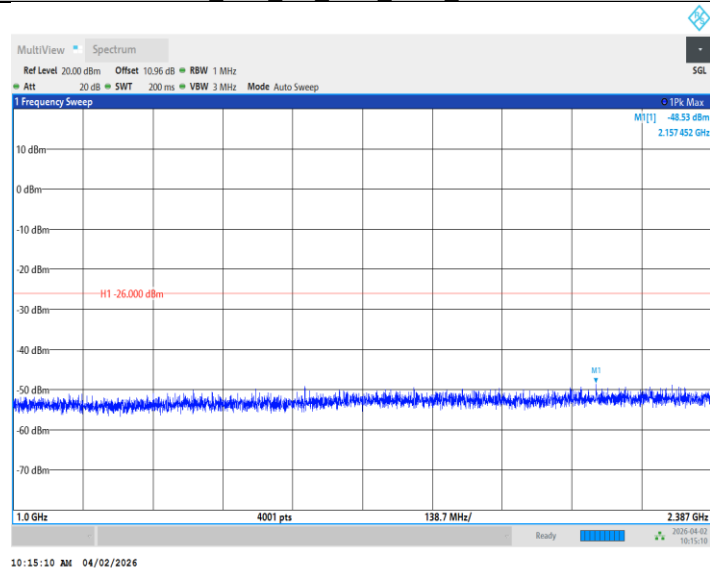
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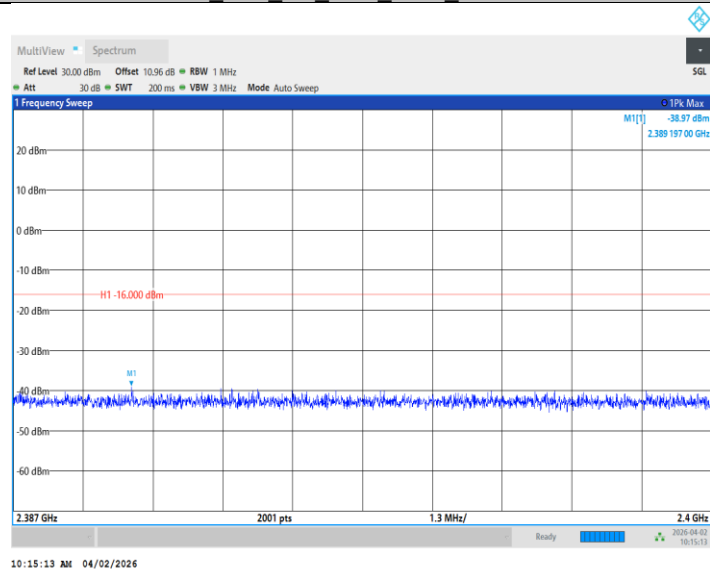
NTNV_BLE_2M_Ant1_2440_30~1000



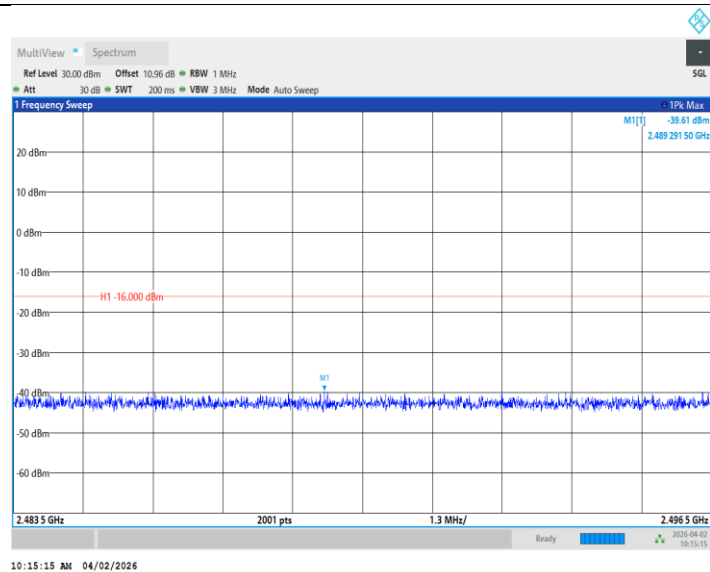
NTNV_BLE_2M_Ant1_2440_1000~2387



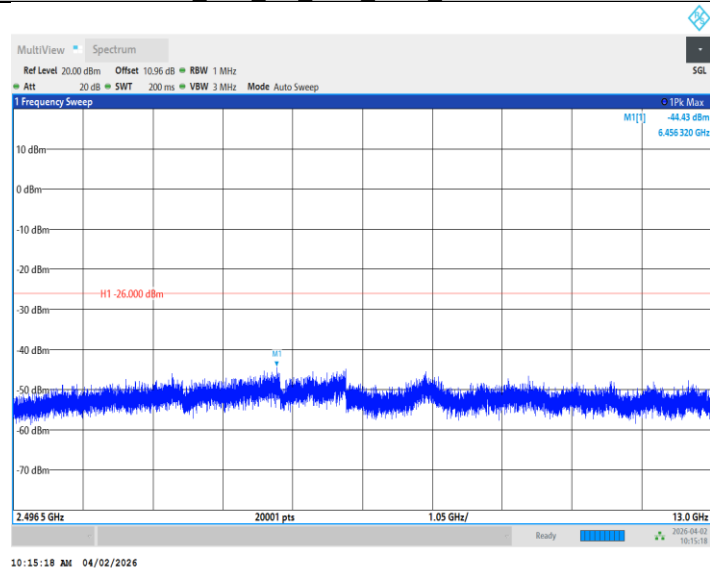
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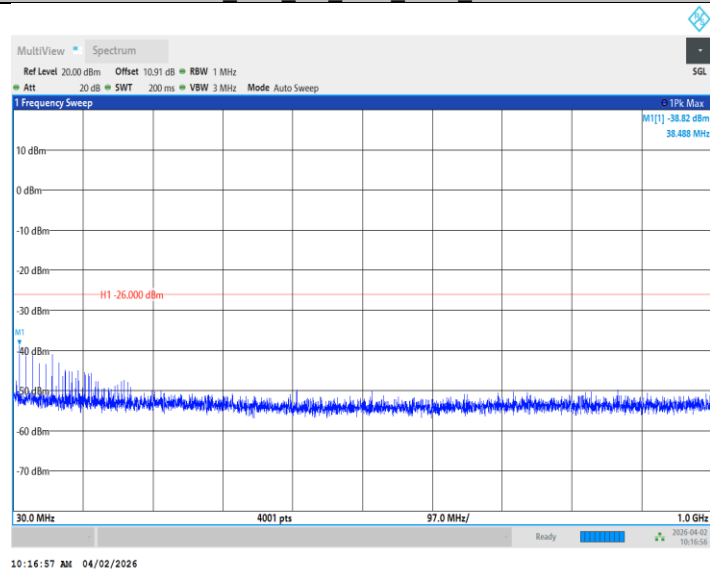
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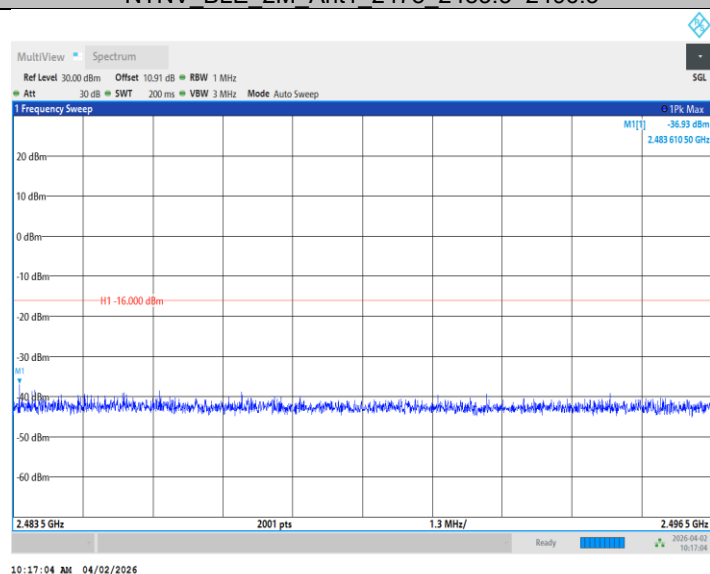
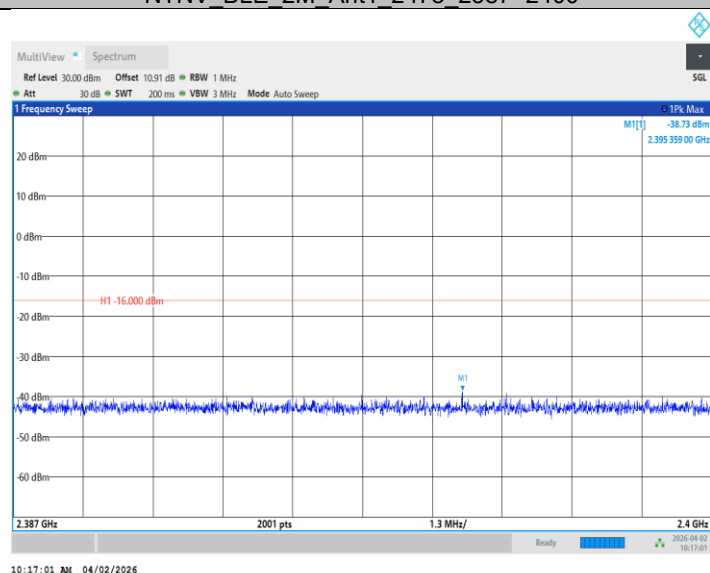
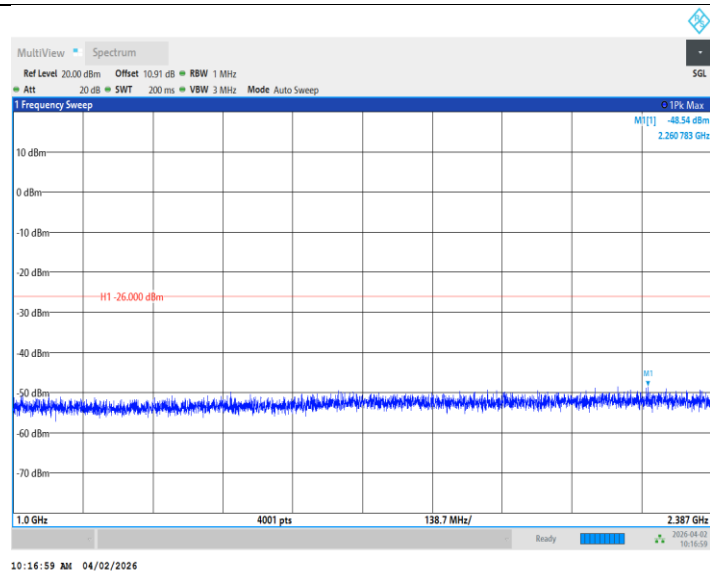
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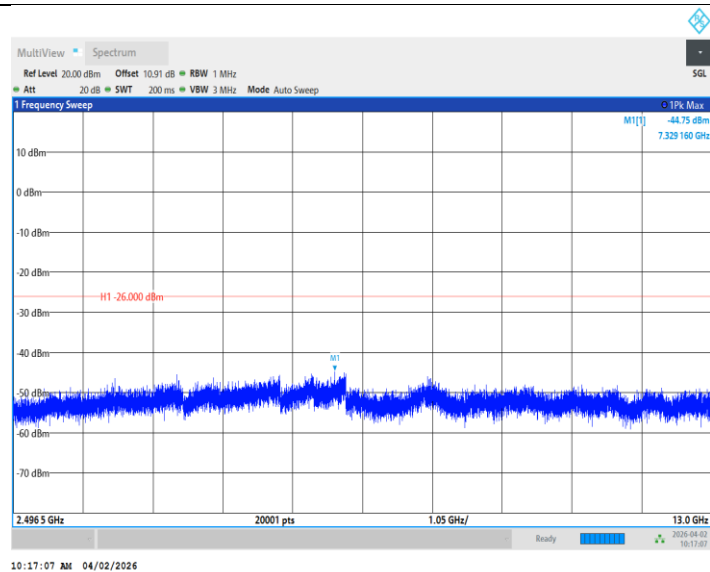


NTNV_BLE_2M_Ant1_2478_30~1000

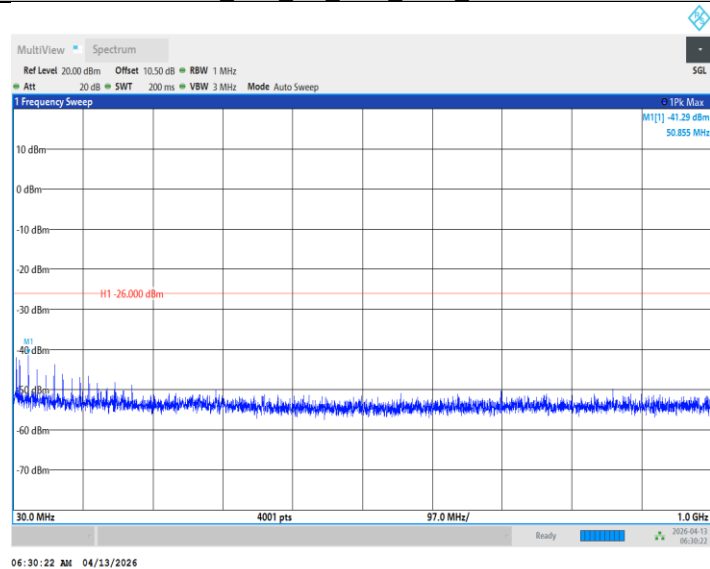


NTNV_BLE_2M_Ant1_2478_1000~2387

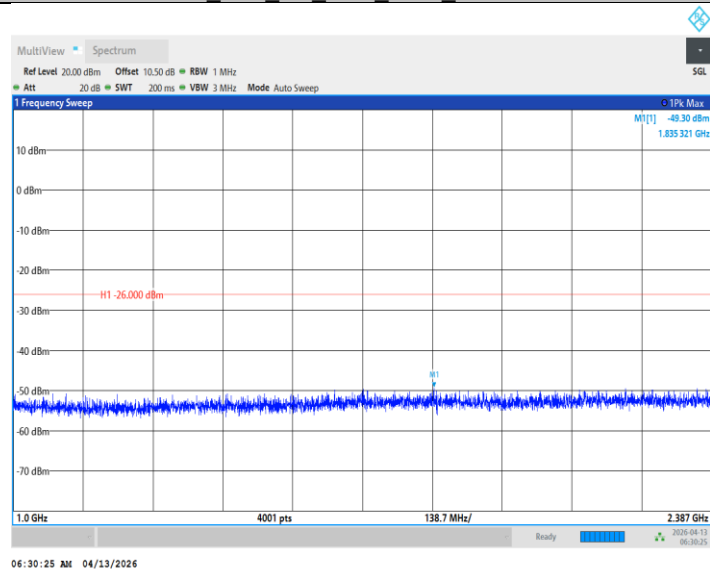




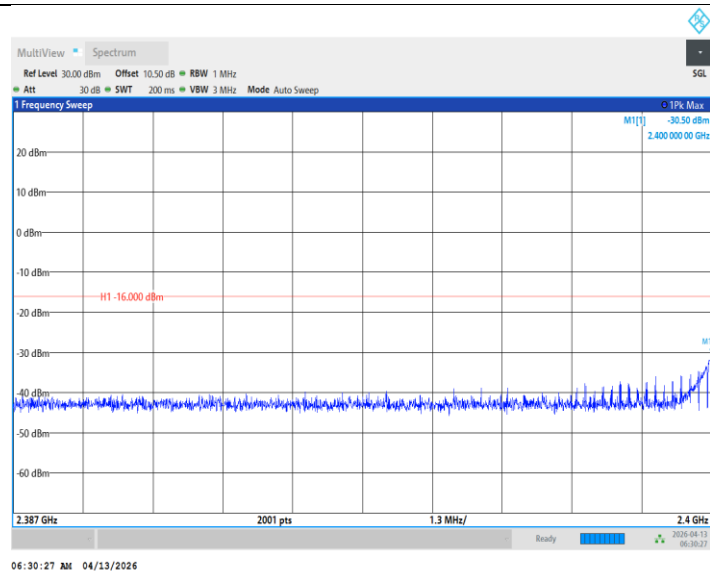
NTLV_BLE_1M_Ant1_2402_30~1000



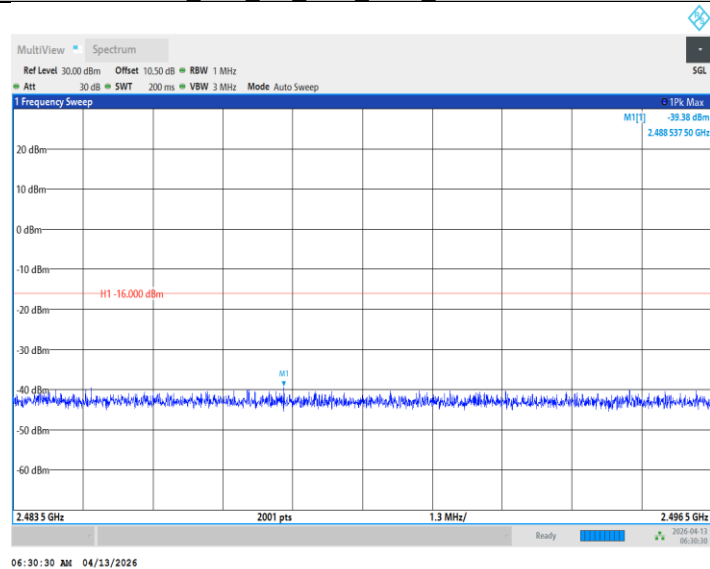
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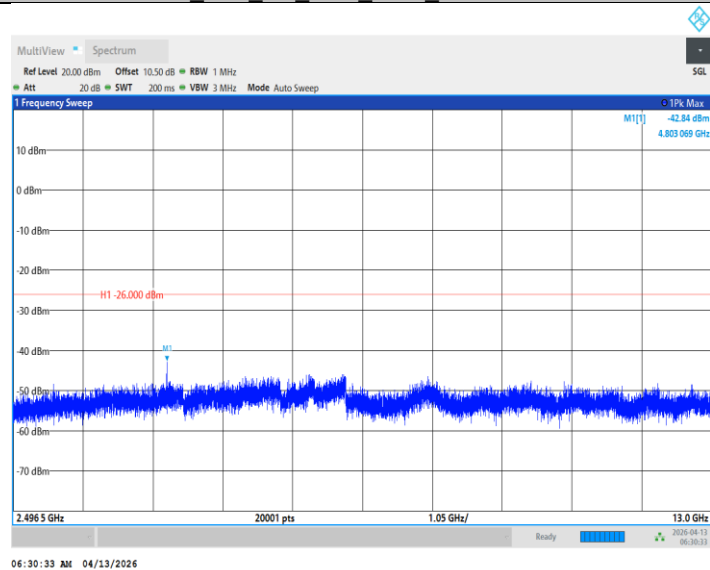
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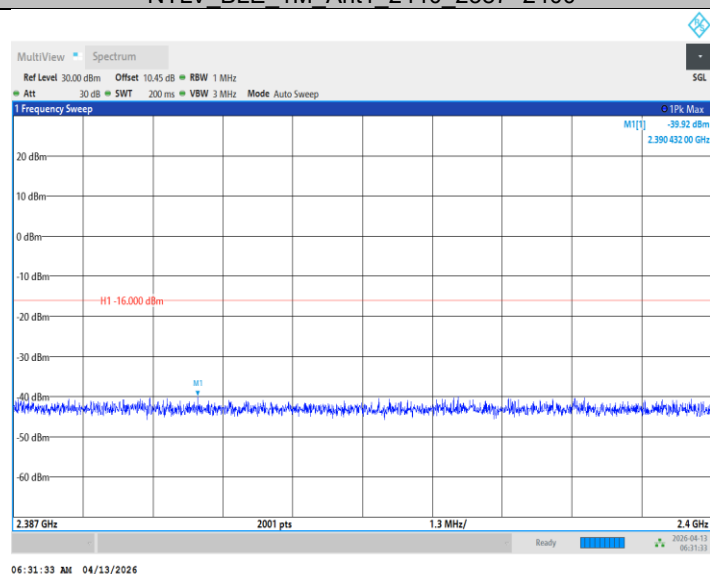
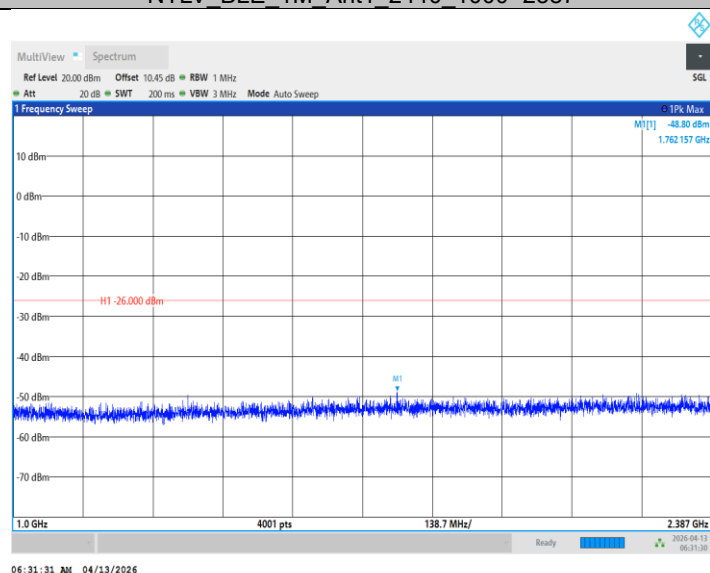
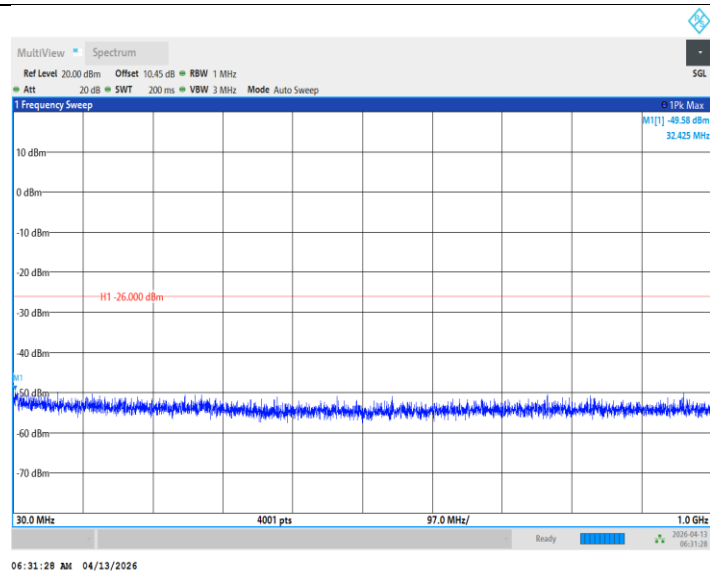
NTLV_BLE_1M_Ant1_2402_2483.5~2496.5

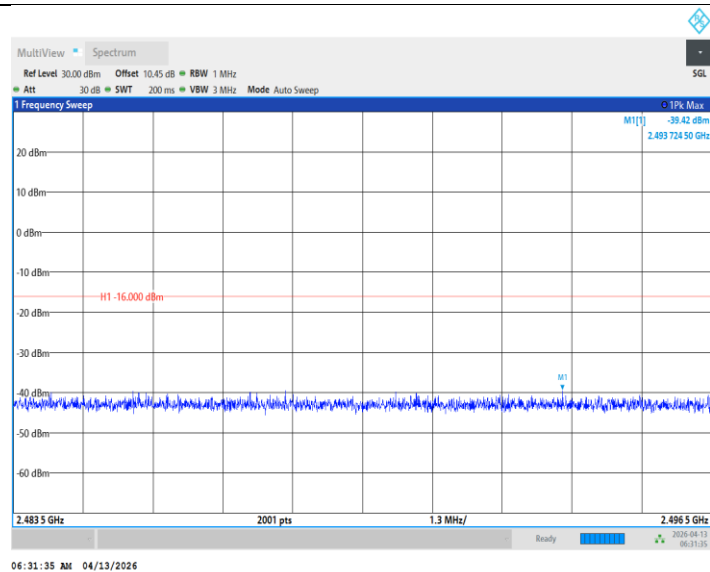


NTLV_BLE_1M_Ant1_2402_2496.5~13000

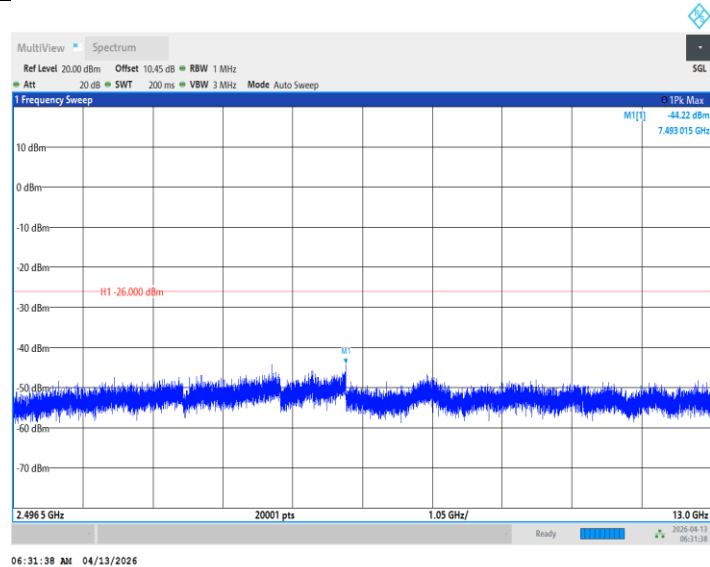


NTLV_BLE_1M_Ant1_2440_30~1000

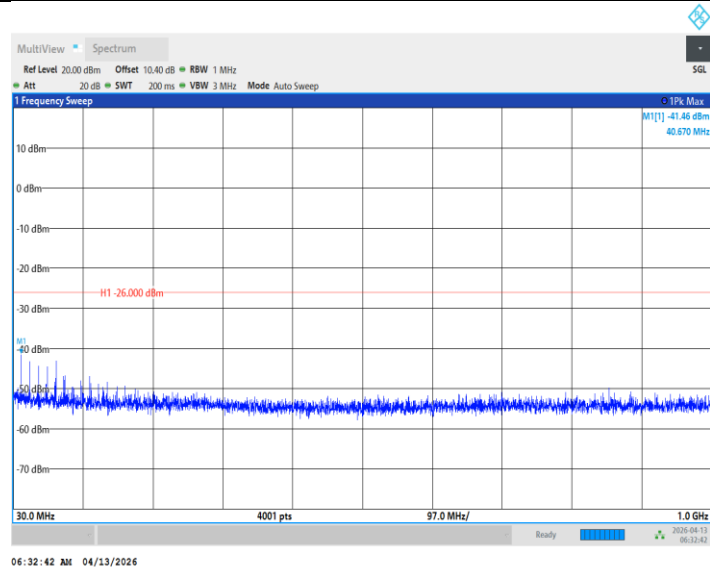




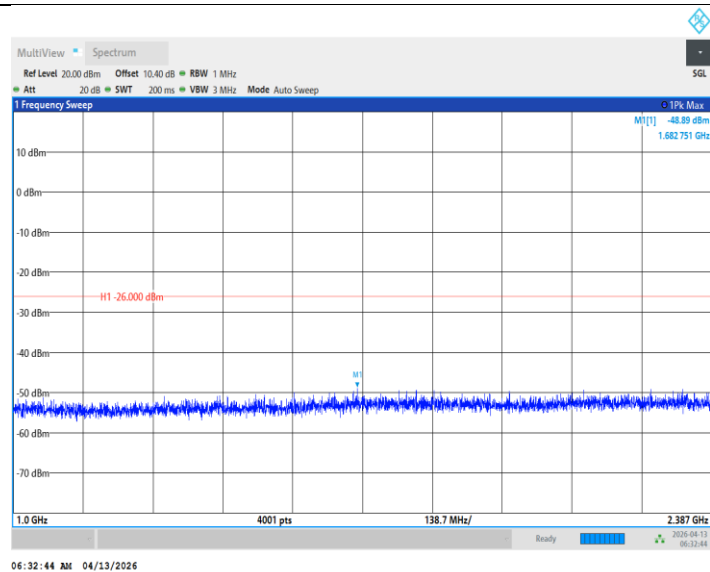
NTLV_BLE_1M_Ant1_2440_2496.5~13000



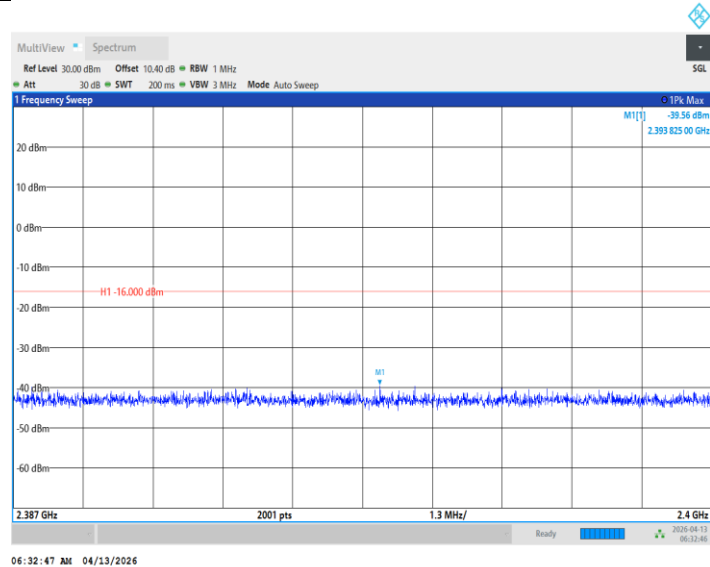
NTLV_BLE_1M_Ant1_2480_30~1000



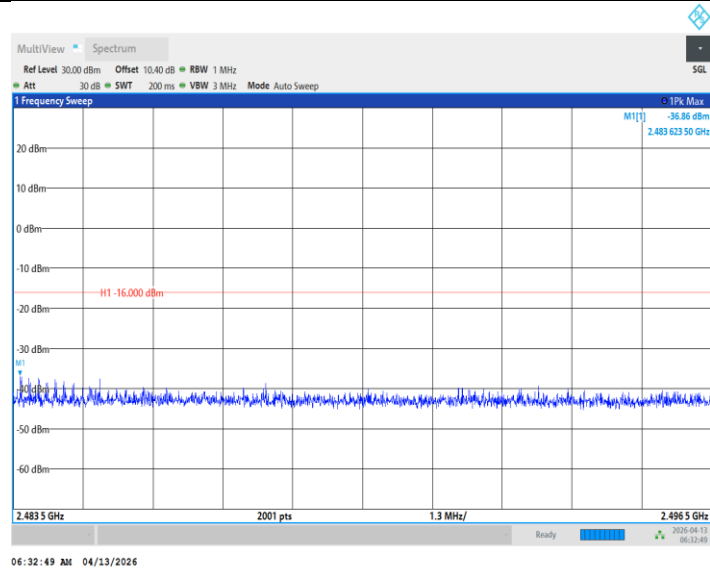
NTLV_BLE_1M_Ant1_2480_1000~2387



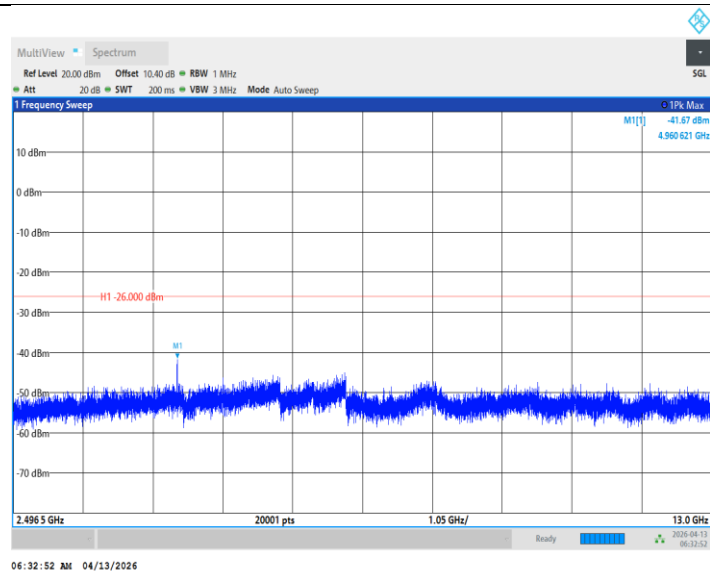
NTLV_BLE_1M_Ant1_2480_2387~2400



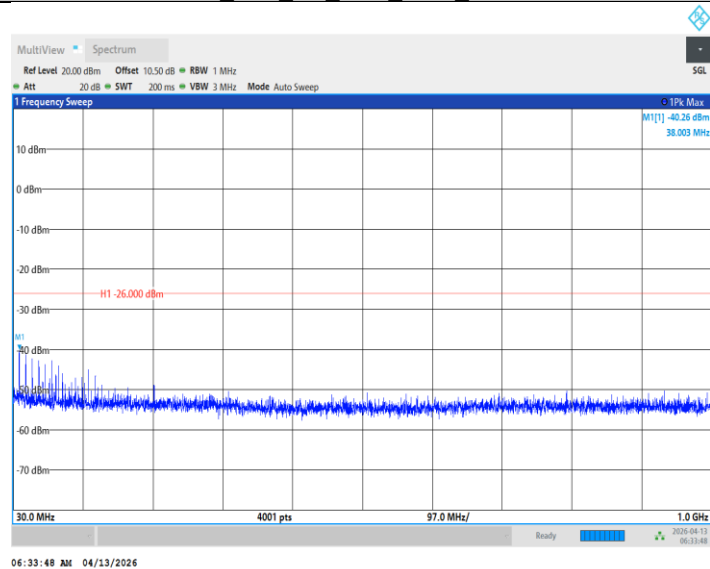
NTLV_BLE_1M_Ant1_2480_2483.5~2496.5



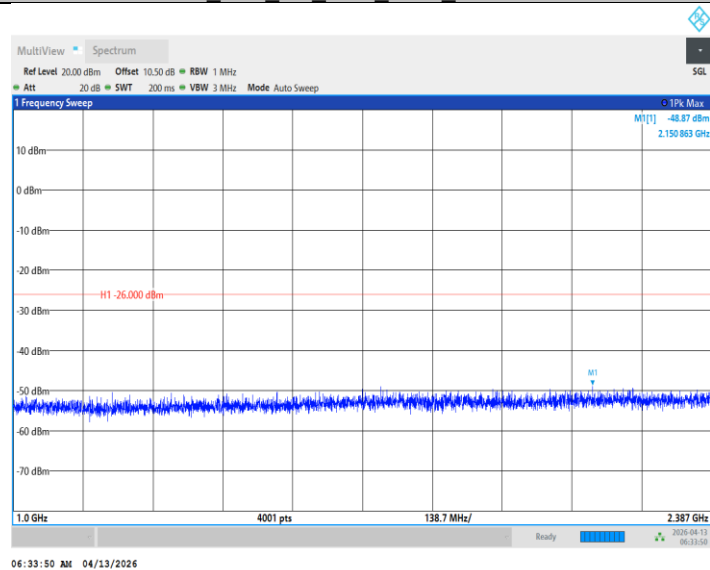
NTLV_BLE_1M_Ant1_2480_2496.5~13000



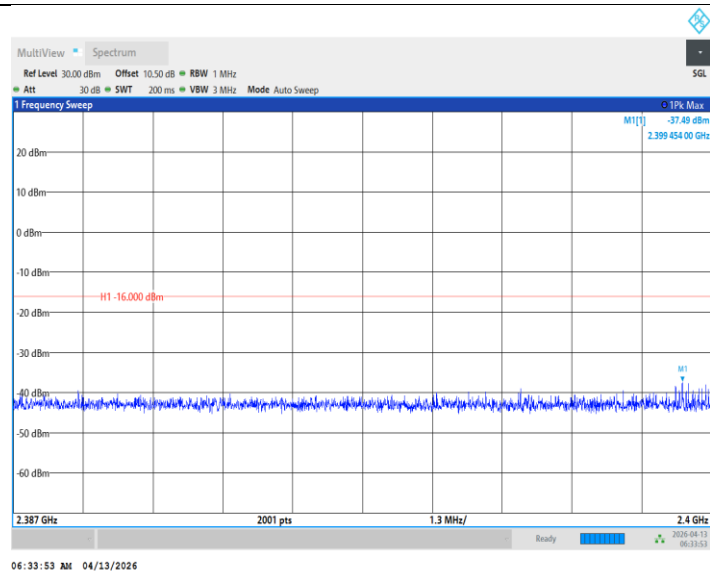
NTLV_BLE_2M_Ant1_2404_30~1000



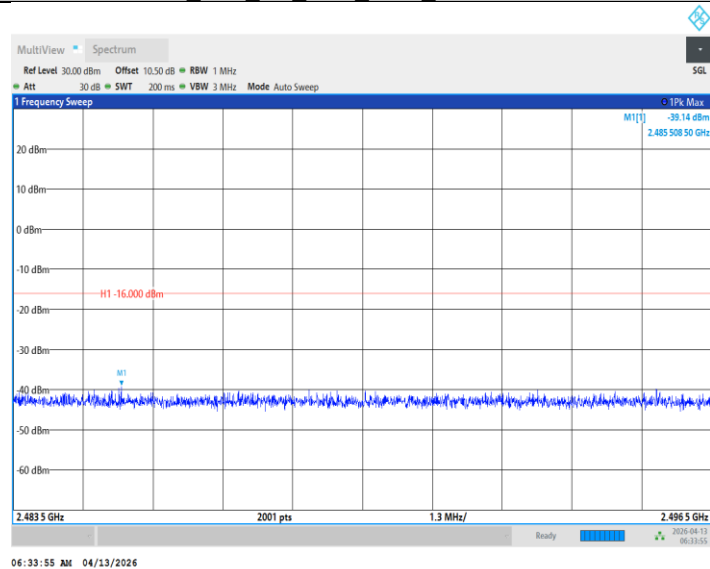
NTLV_BLE_2M_Ant1_2404_1000~2387



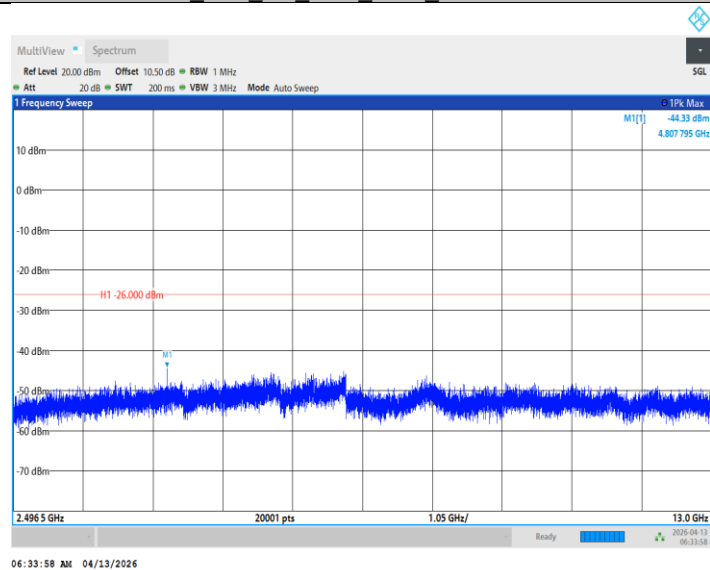
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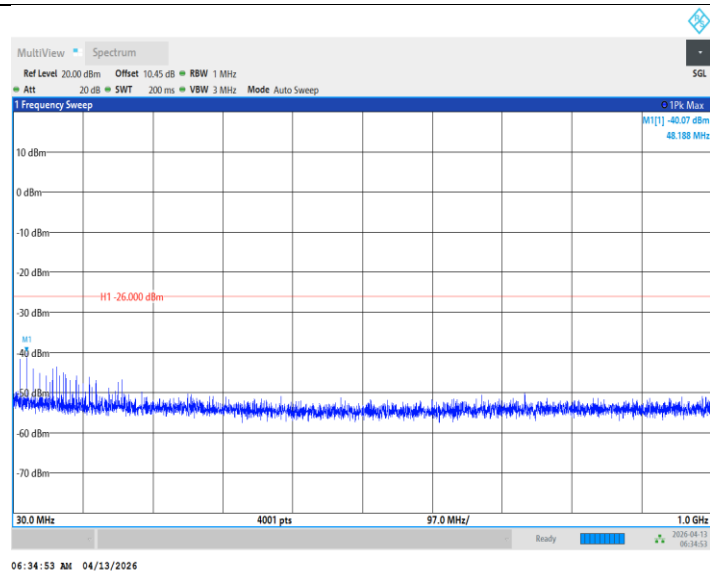
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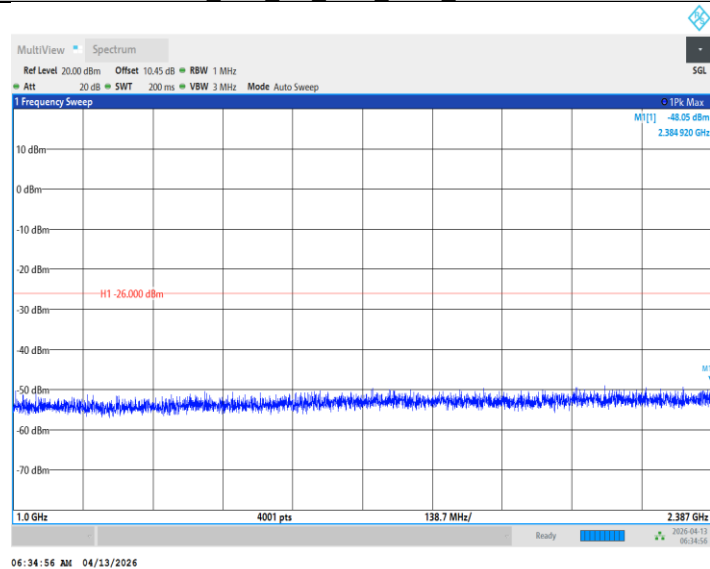
NTLV_BLE_2M_Ant1_2404_2496.5~13000



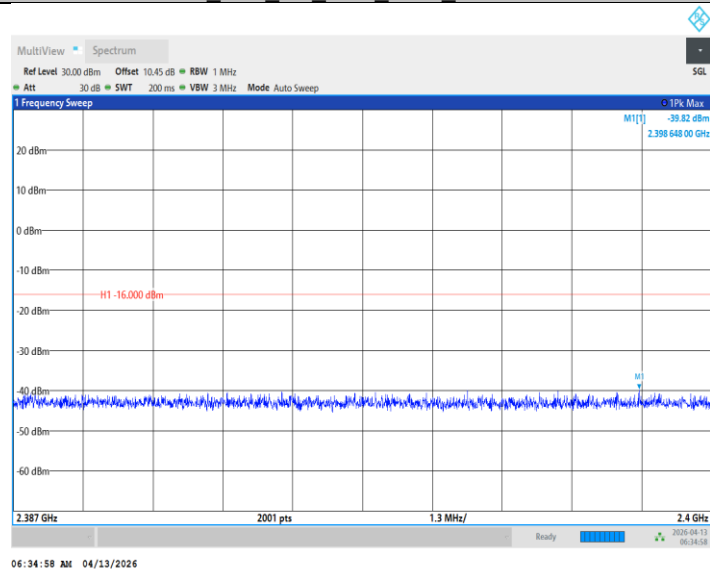
NTLV_BLE_2M_Ant1_2440_30~1000



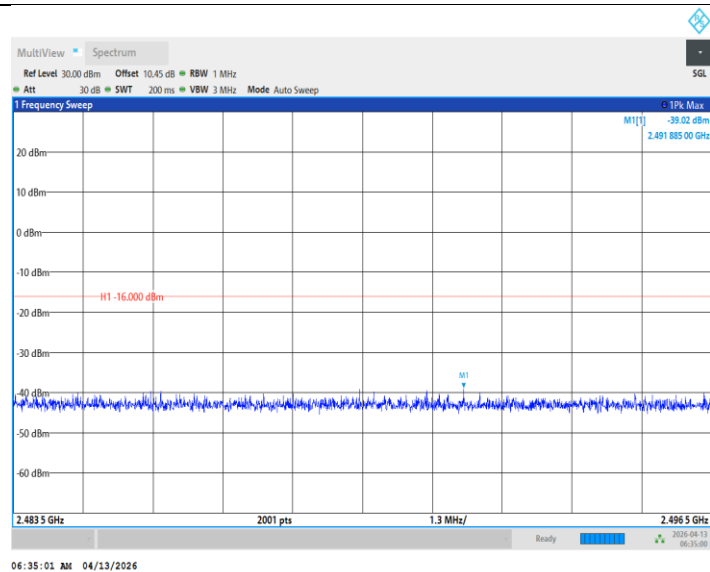
NTLV_BLE_2M_Ant1_2440_1000~2387



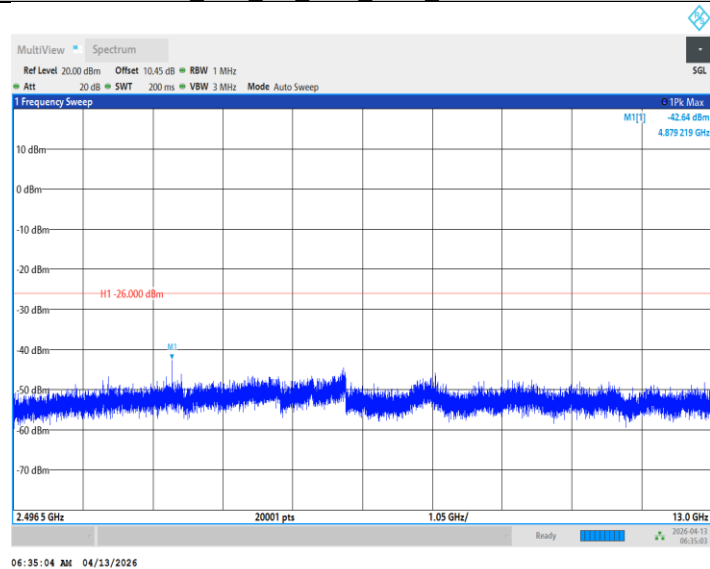
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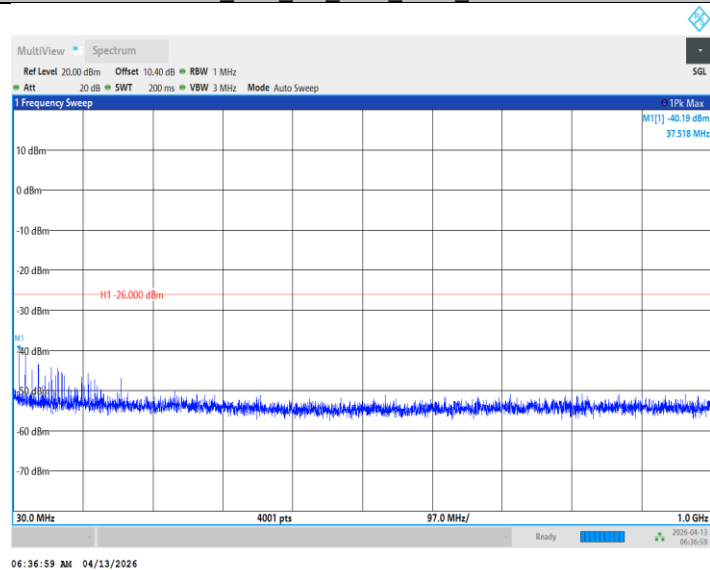
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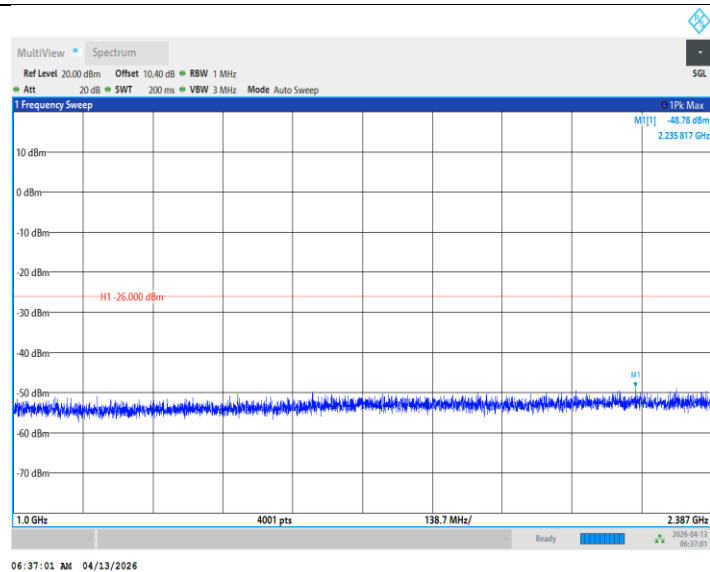
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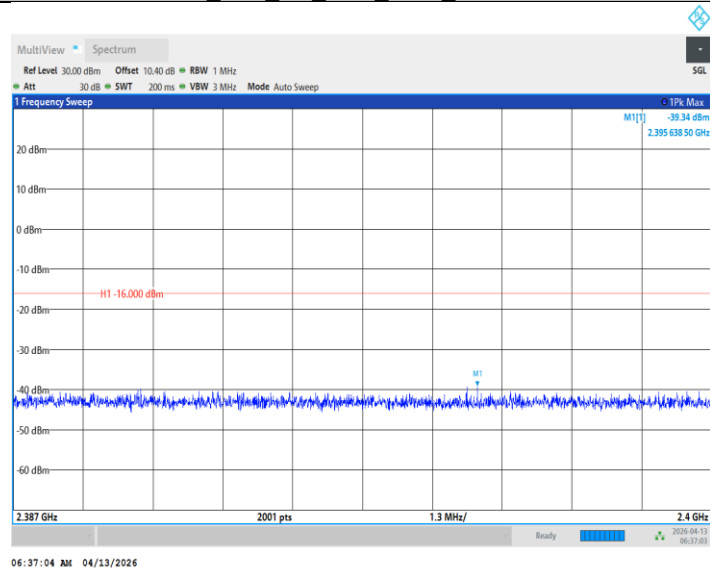
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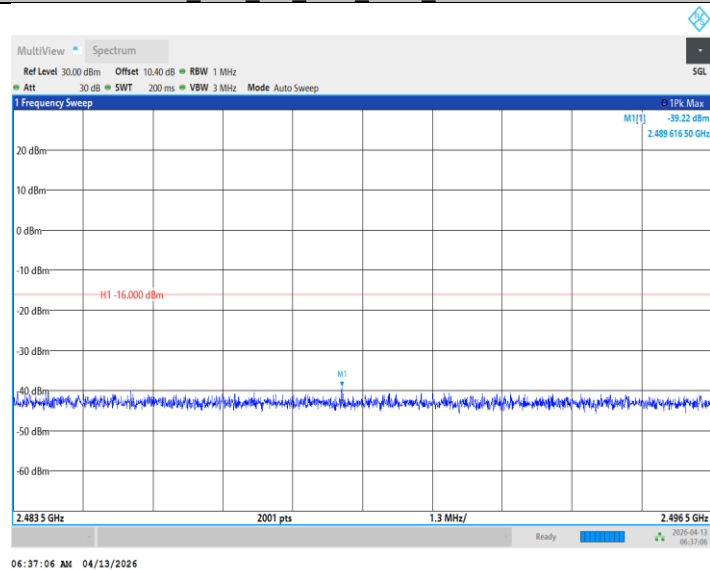
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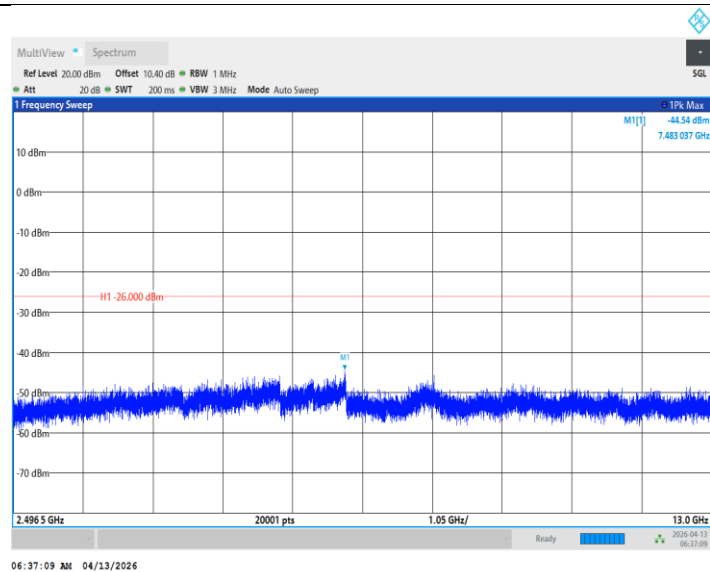
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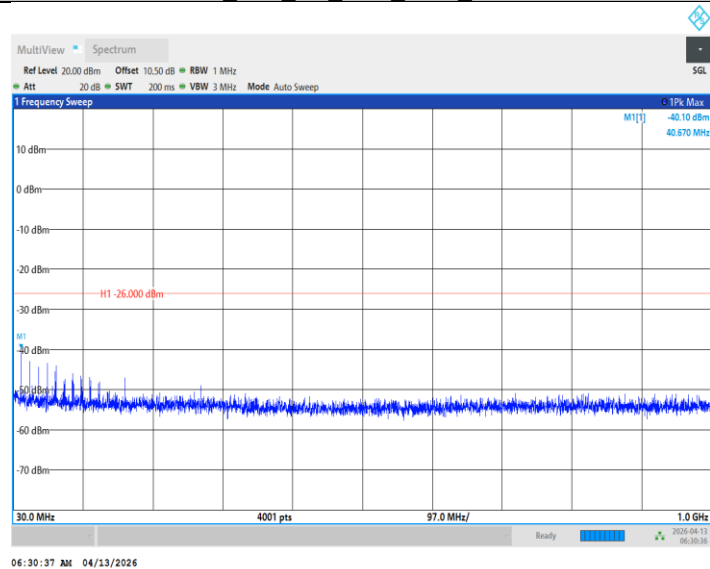
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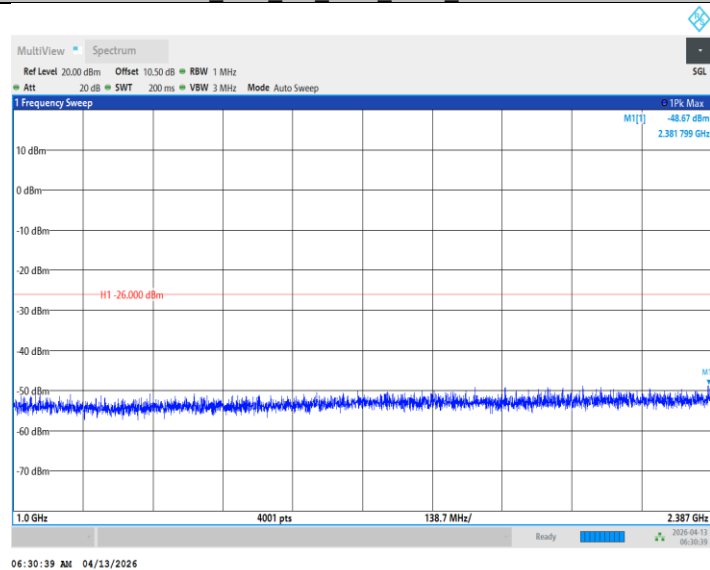
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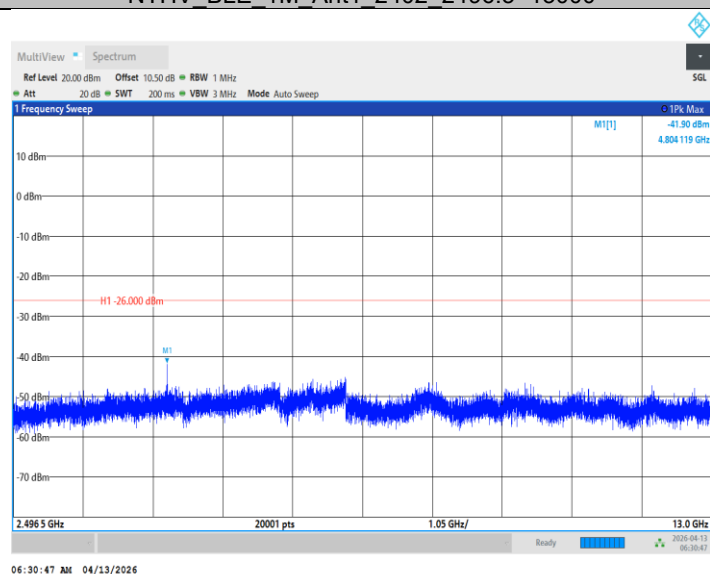
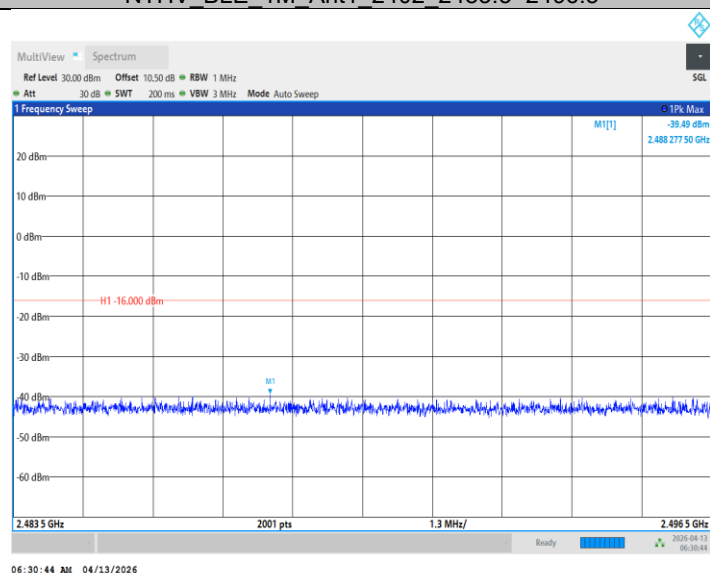
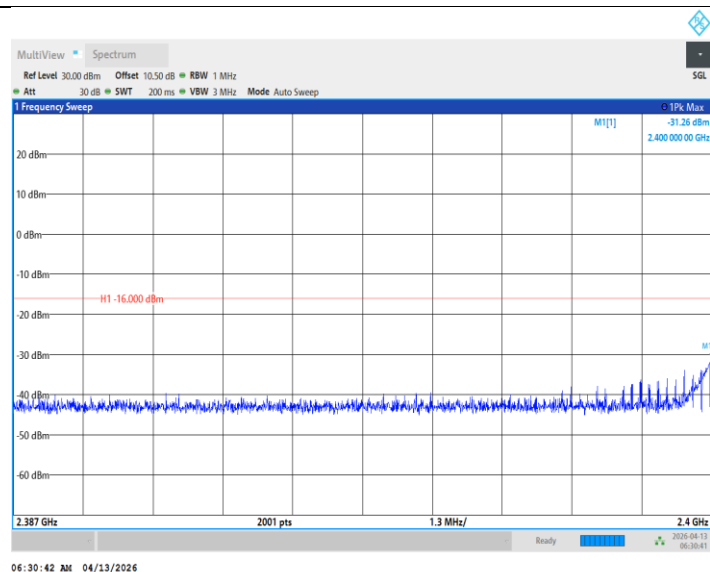
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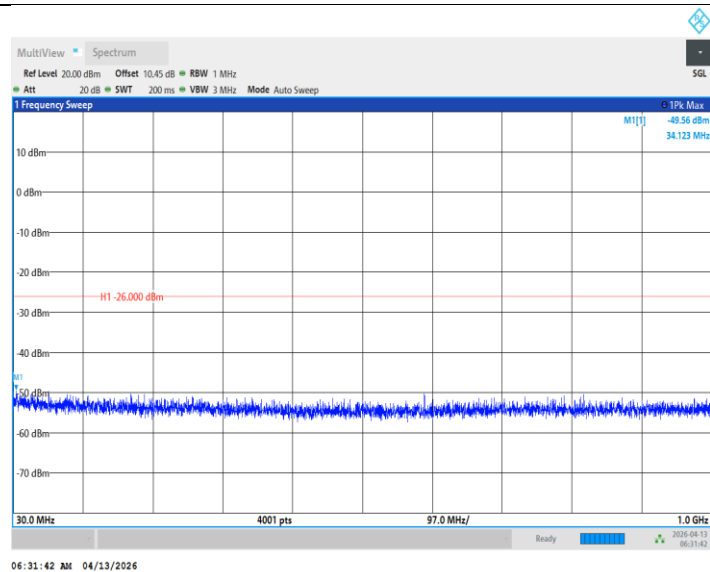


NTHV_BLE_1M_Ant1_2402_1000~2387

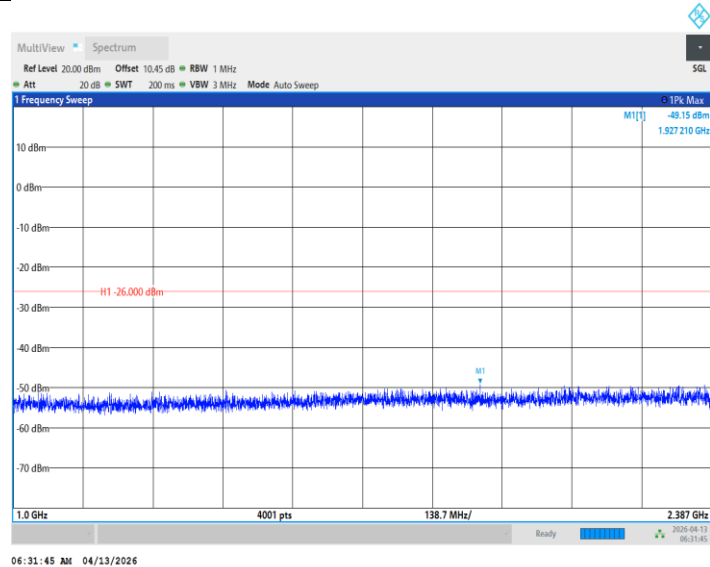


NTHV_BLE_1M_Ant1_2402_2387~2400

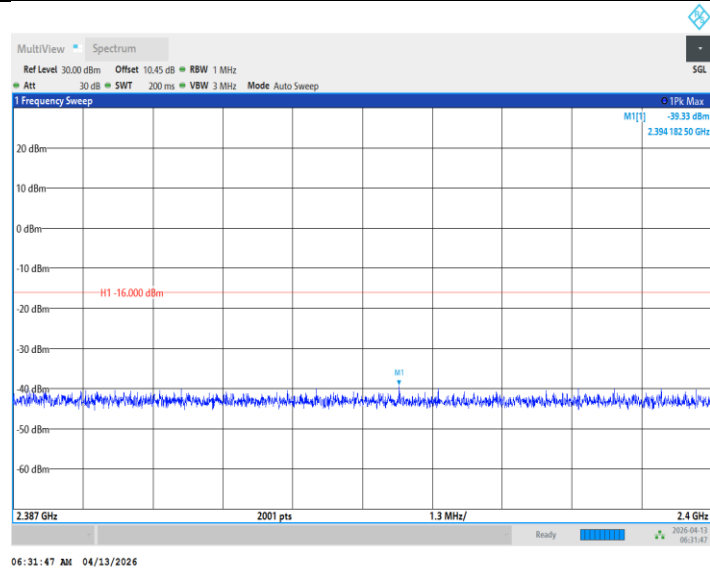




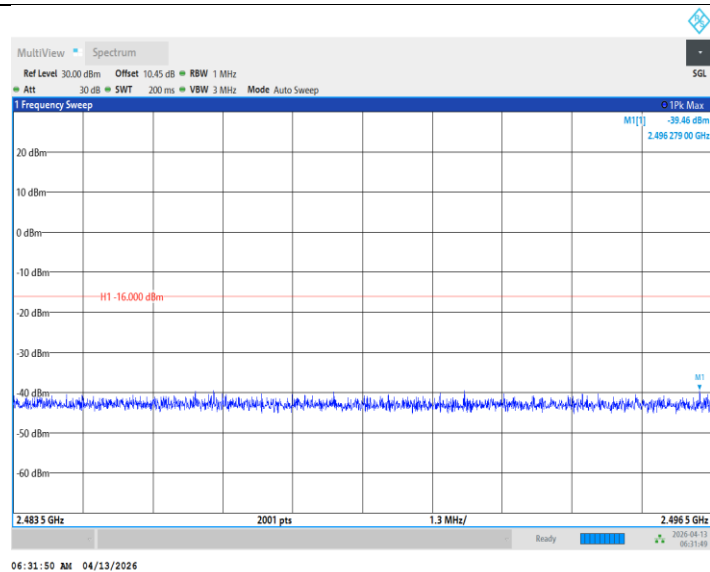
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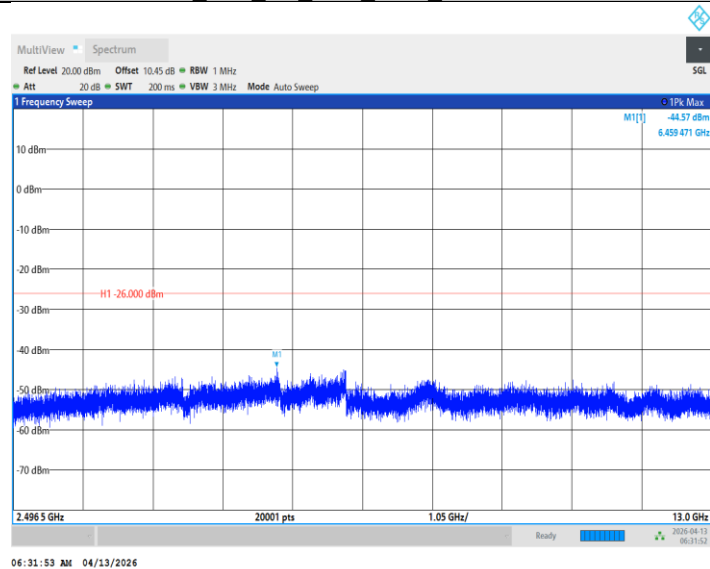
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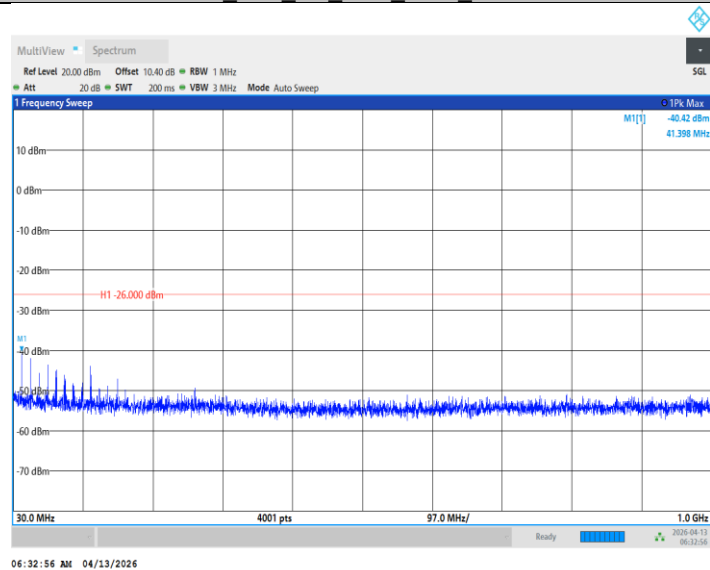
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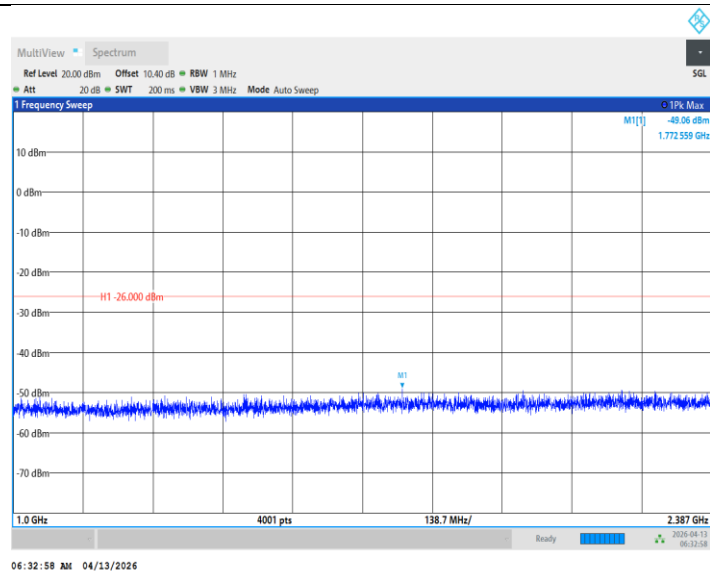
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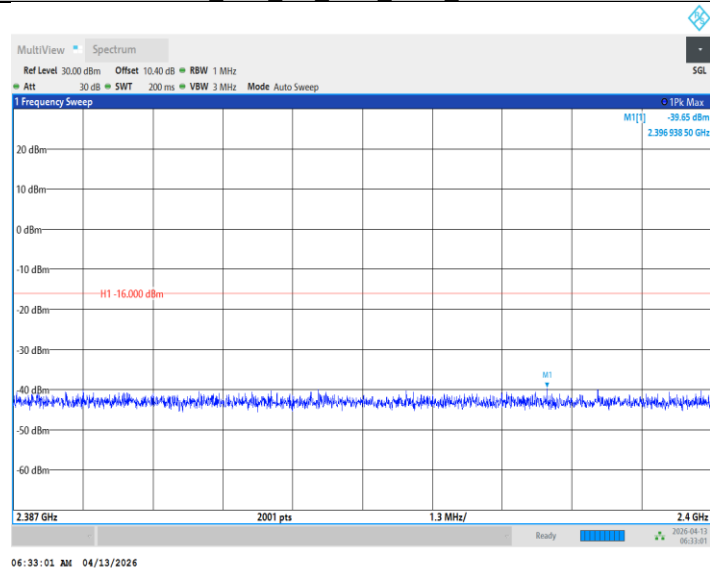
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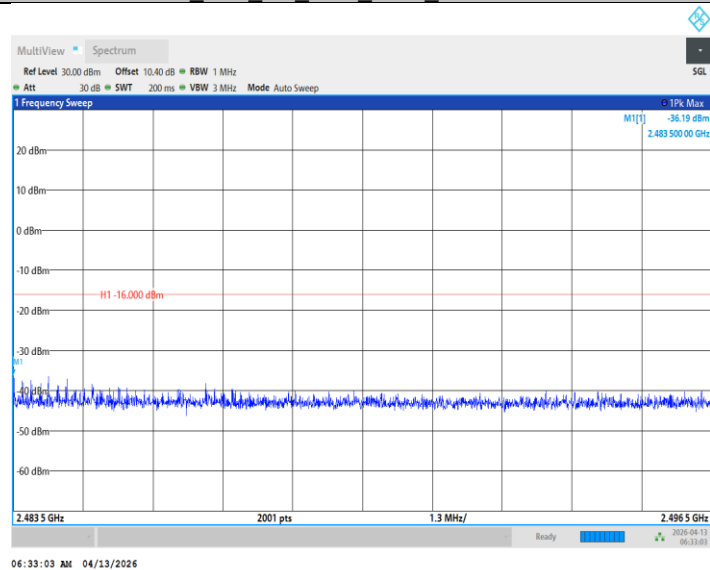
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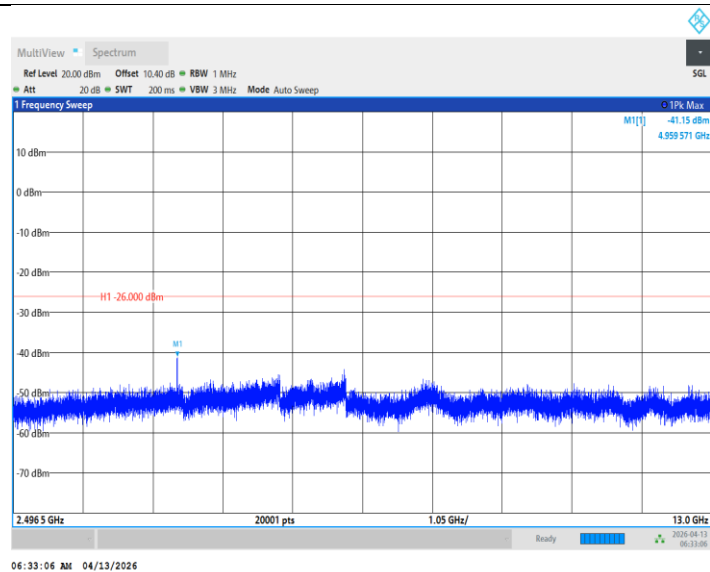
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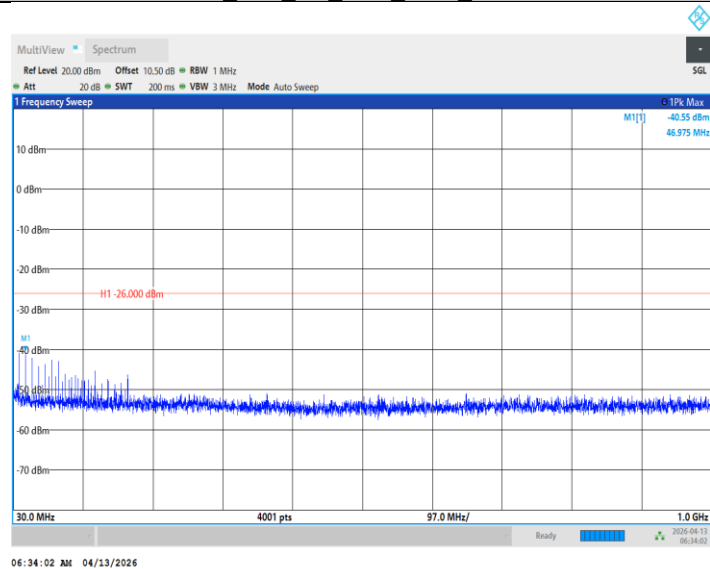
NTHV_BLE_1M_Ant1_2480_2483.5~2496.5



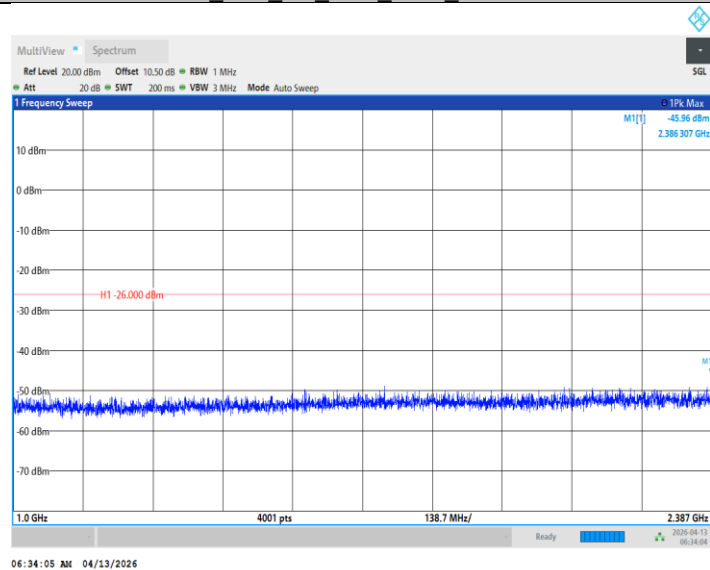
NTHV_BLE_1M_Ant1_2480_2496.5~13000



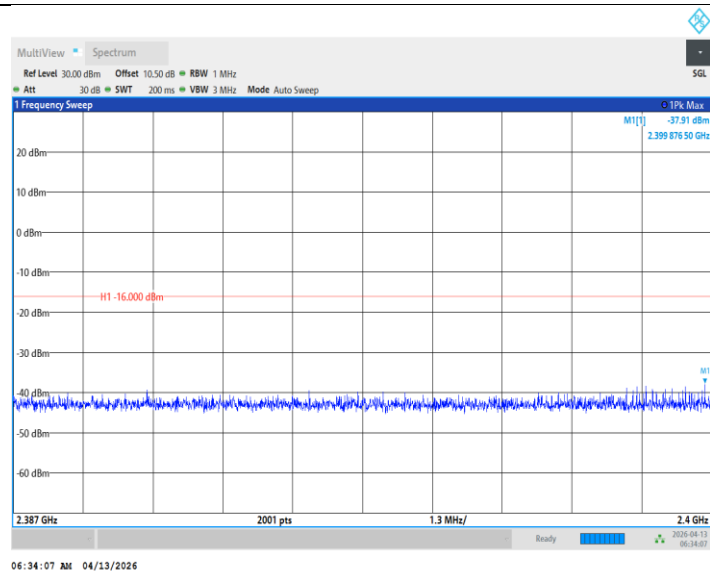
NTHV_BLE_2M_Ant1_2404_30~1000



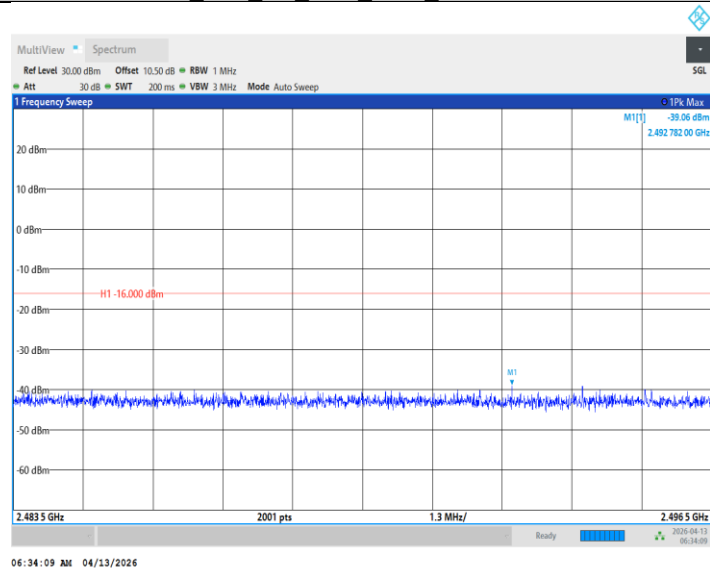
NTHV_BLE_2M_Ant1_2404_1000~2387



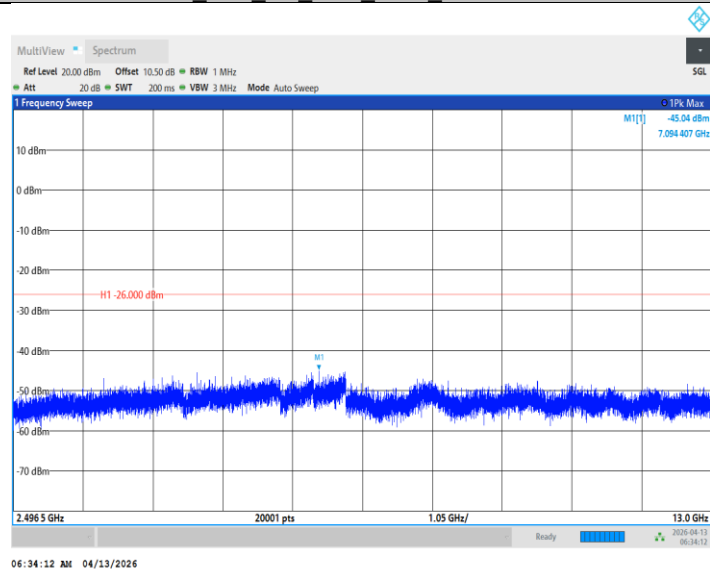
NTHV_BLE_2M_Ant1_2404_2387~2400



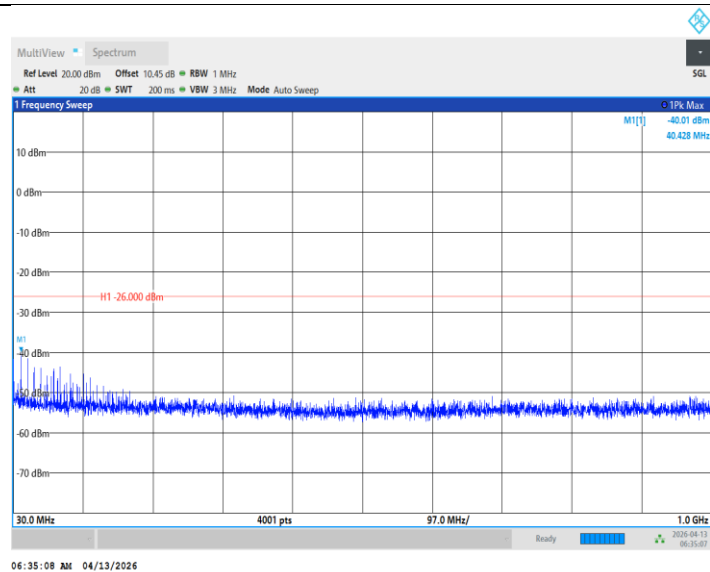
NTHV_BLE_2M_Ant1_2404_2483.5~2496.5



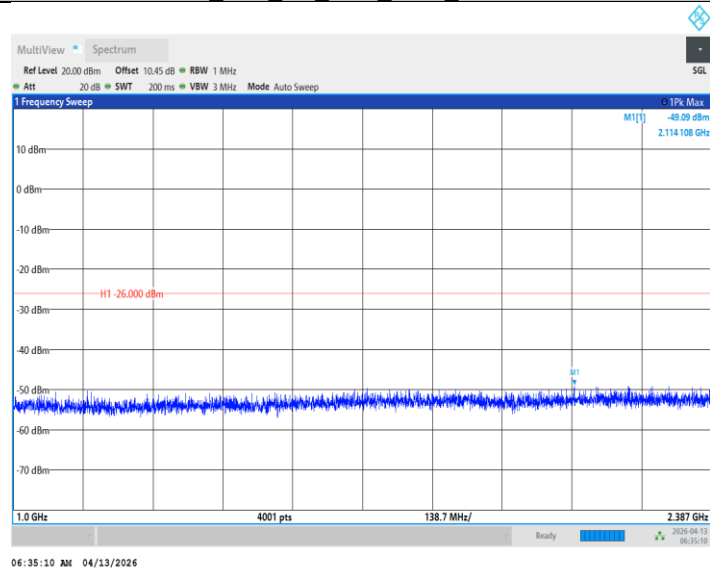
NTHV_BLE_2M_Ant1_2404_2496.5~13000



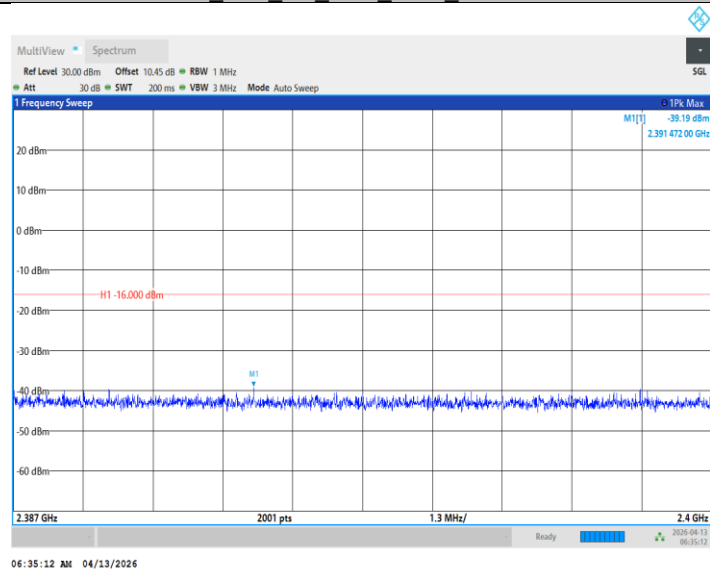
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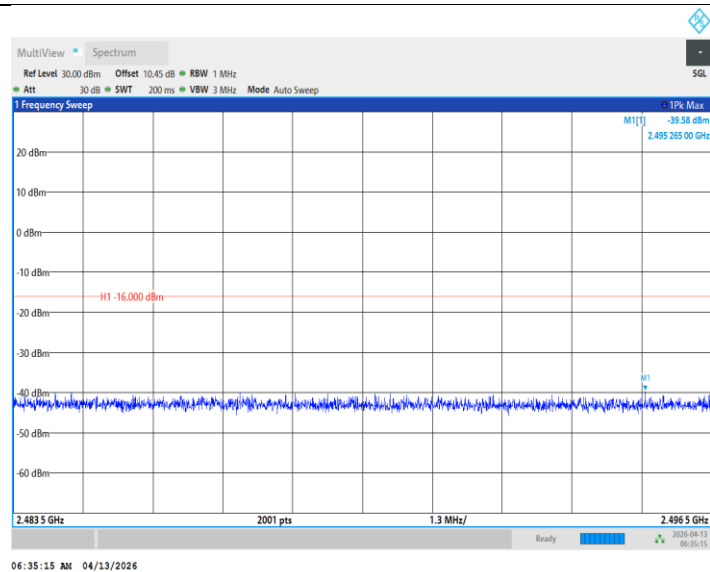
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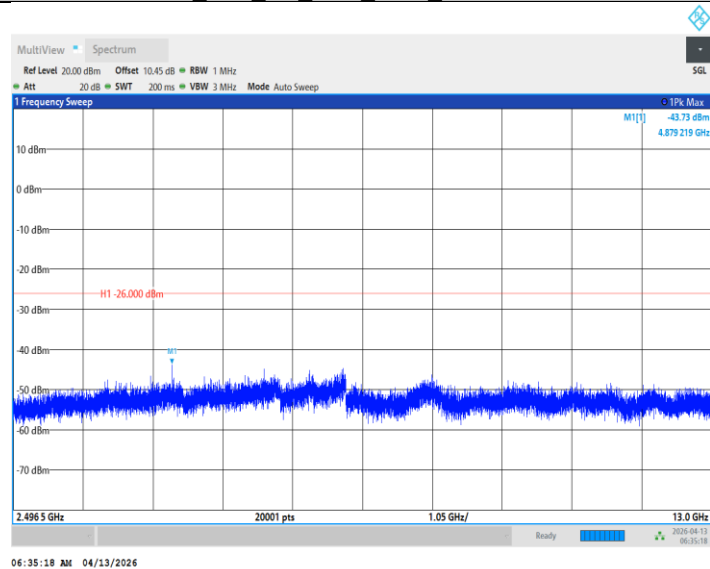
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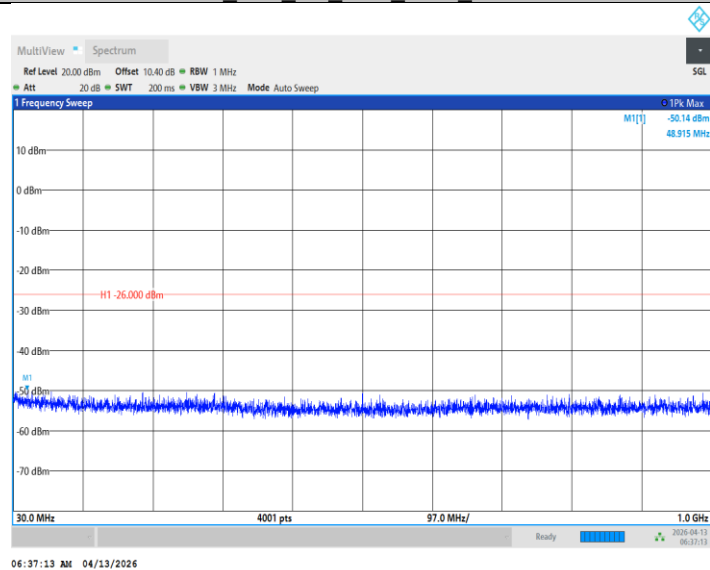
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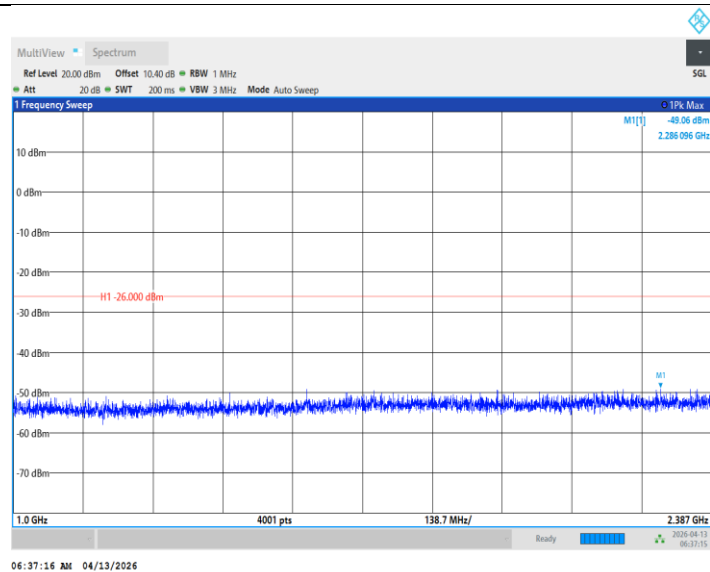
NTHV_BLE_2M_Ant1_2440_2496.5~13000



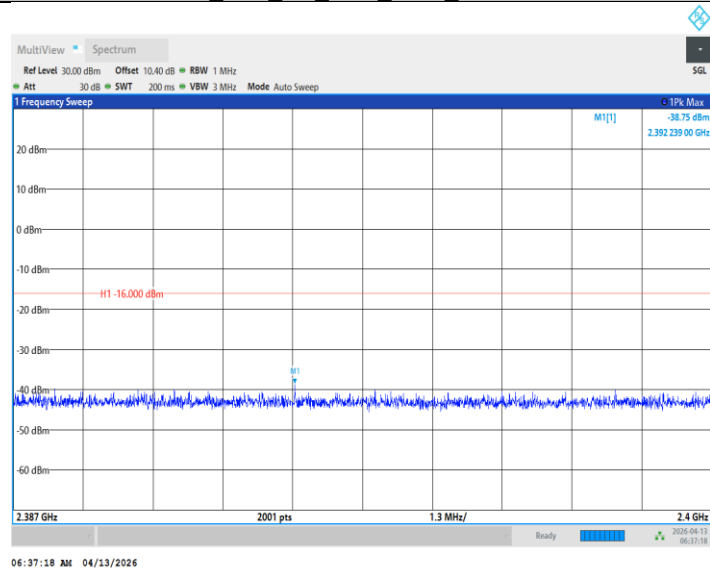
NTHV_BLE_2M_Ant1_2478_30~1000



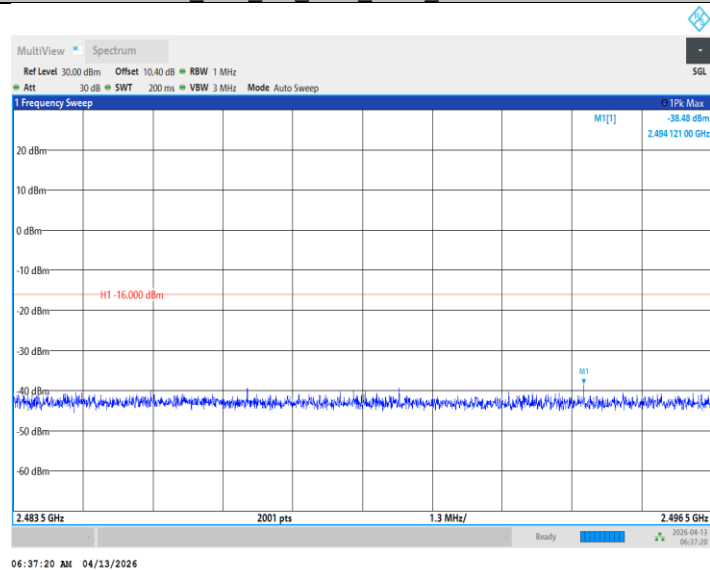
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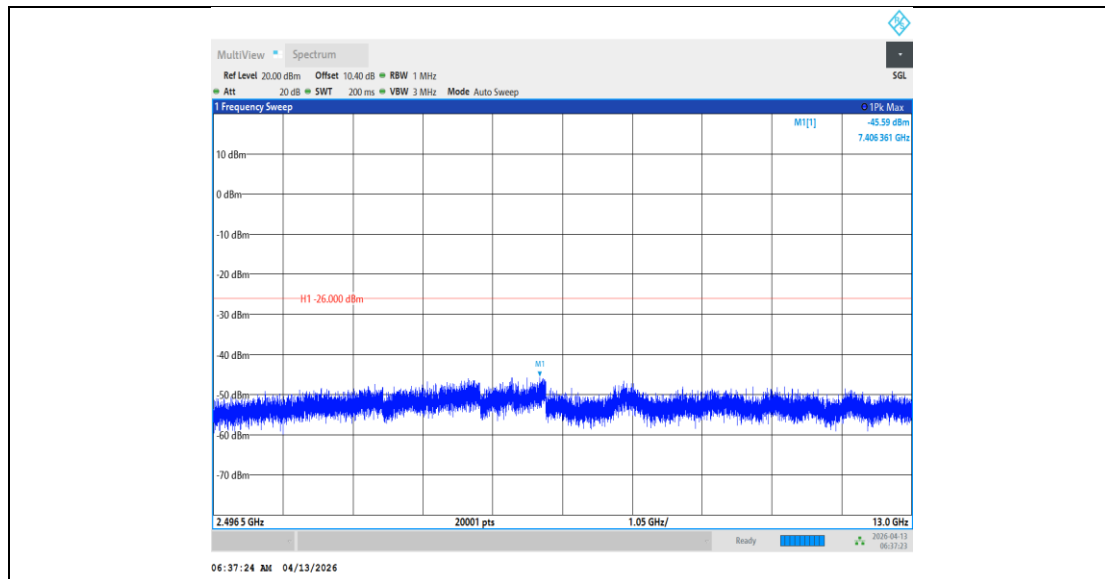
NTHV_BLE_2M_Ant1_2478_2387~2400



NTHV_BLE_2M_Ant1_2478_2483.5~2496.5



NTHV_BLE_2M_Ant1_2478_2496.5~13000





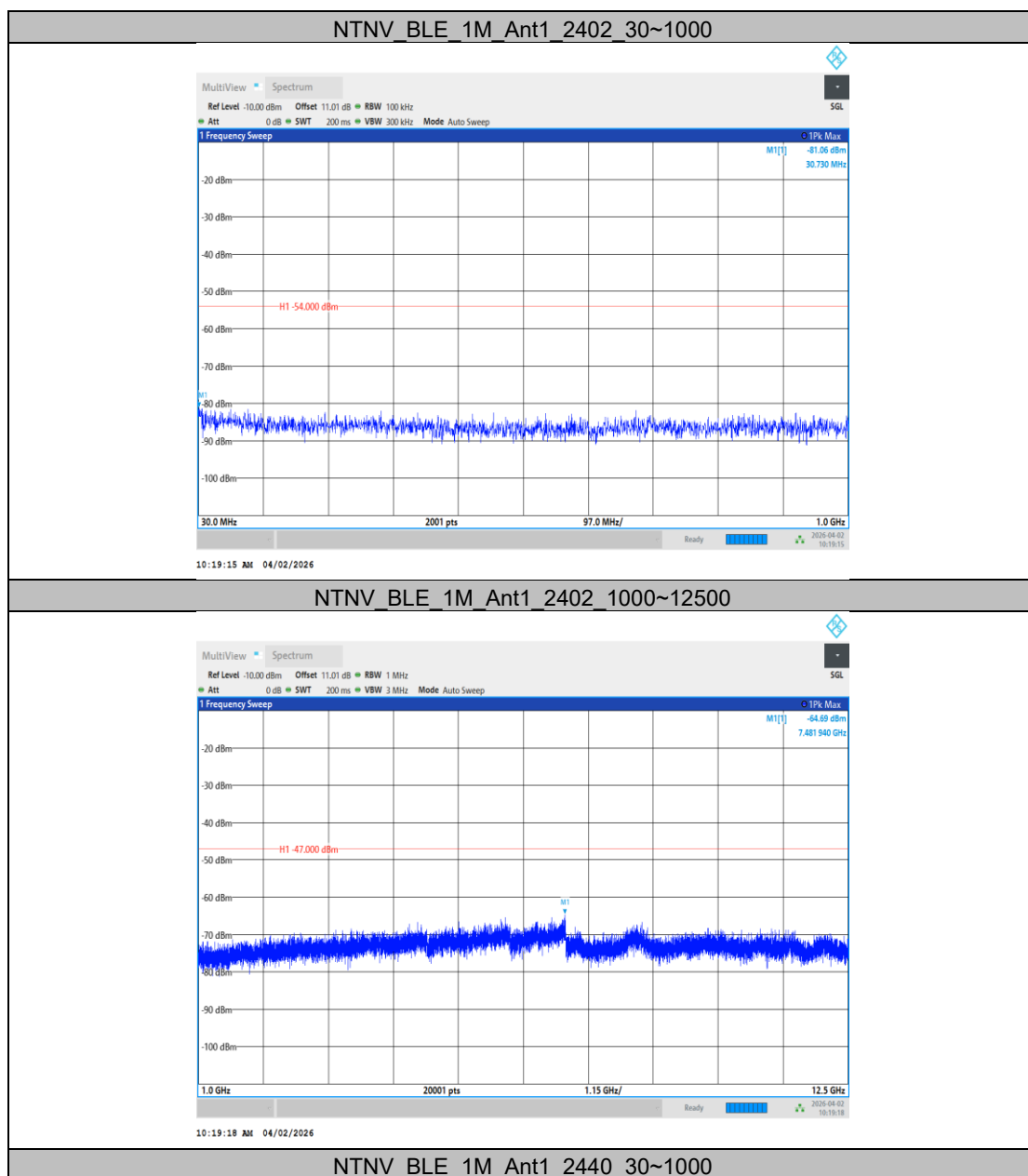
Spurious Emission of RX

TEST RESULT

TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	30.73	-81.06	≤-54	0.00783	≤4	PASS
				1000~12500	7481.94	-64.69	≤-47	0.33963	≤20	PASS
			2440	30~1000	37.03	-81.15	≤-54	0.00767	≤4	PASS
				1000~12500	7352.57	-65.40	≤-47	0.28840	≤20	PASS
			2480	30~1000	34.61	-81.02	≤-54	0.00791	≤4	PASS
				1000~12500	7445.14	-65.56	≤-47	0.27797	≤20	PASS
	BLE_2M	Ant1	2404	30~1000	32.67	-79.97	≤-54	0.01007	≤4	PASS
				1000~12500	7484.81	-63.95	≤-47	0.40272	≤20	PASS
			2440	30~1000	33.64	-80.71	≤-54	0.00849	≤4	PASS
				1000~12500	6977.69	-63.88	≤-47	0.40926	≤20	PASS
			2478	30~1000	189.73	-80.24	≤-54	0.00946	≤4	PASS
				1000~12500	6986.89	-64.01	≤-47	0.39719	≤20	PASS
NTLV	BLE_1M	Ant1	2402	30~1000	36.06	-81.43	≤-54	0.00719	≤4	PASS
				1000~12500	7396.27	-65.28	≤-47	0.29648	≤20	PASS
			2440	30~1000	258.08	-80.25	≤-54	0.00944	≤4	PASS
				1000~12500	7496.31	-66.17	≤-47	0.24155	≤20	PASS
			2480	30~1000	35.09	-80.73	≤-54	0.00845	≤4	PASS
				1000~12500	7491.14	-65.32	≤-47	0.29376	≤20	PASS
	BLE_2M	Ant1	2404	30~1000	288.13	-80.88	≤-54	0.00817	≤4	PASS
				1000~12500	7412.94	-66.06	≤-47	0.24774	≤20	PASS
			2440	30~1000	34.12	-81.24	≤-54	0.00752	≤4	PASS
				1000~12500	7454.34	-65.13	≤-47	0.30690	≤20	PASS
			2478	30~1000	55.93	-81.97	≤-54	0.00635	≤4	PASS
				1000~12500	7431.92	-65.36	≤-47	0.29107	≤20	PASS
NTHV	BLE_1M	Ant1	2402	30~1000	31.70	-81.29	≤-54	0.00743	≤4	PASS
				1000~12500	7486.54	-65.13	≤-47	0.30690	≤20	PASS
			2440	30~1000	35.57	-80.77	≤-54	0.00838	≤4	PASS
				1000~12500	6976.54	-66.38	≤-47	0.23014	≤20	PASS
			2480	30~1000	31.70	-79.98	≤-54	0.01005	≤4	PASS
				1000~12500	6370.52	-65.74	≤-47	0.26669	≤20	PASS
	BLE_2M	Ant1	2404	30~1000	32.18	-78.68	≤-54	0.01355	≤4	PASS
				1000~12500	2465.89	-60.79	≤-47	0.83368	≤20	PASS
			2440	30~1000	34.61	-80.00	≤-54	0.01000	≤4	PASS
				1000~12500	6392.94	-65.54	≤-47	0.27925	≤20	PASS
			2478	30~1000	30.73	-80.67	≤-54	0.00857	≤4	PASS
				1000~12500	7471.59	-65.67	≤-47	0.27102	≤20	PASS



TEST GRAPHS

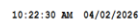




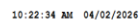
Test Report No.: PSU-QBJ2604010116RJ01



NTNV BLE 1M Ant1 2440 1000~12500



NTNV_BLE_1M_Ant1_2480_30~1000

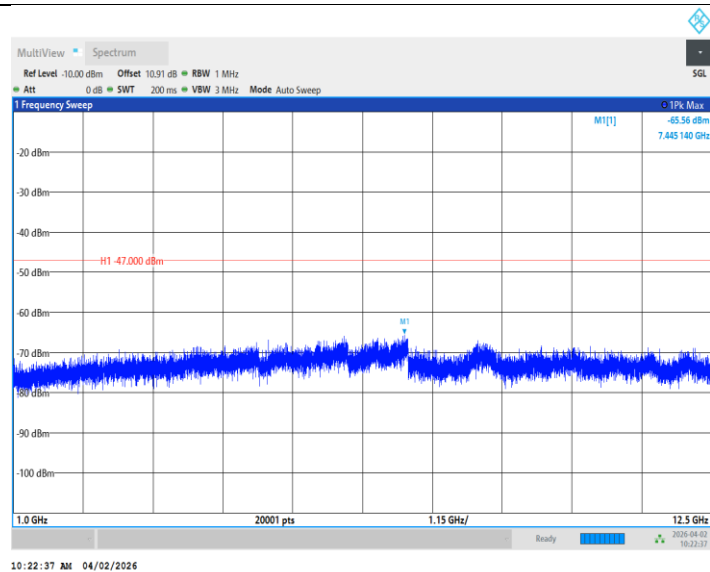


NTNV_BLE_1M_Ant1_2480_1000~12500

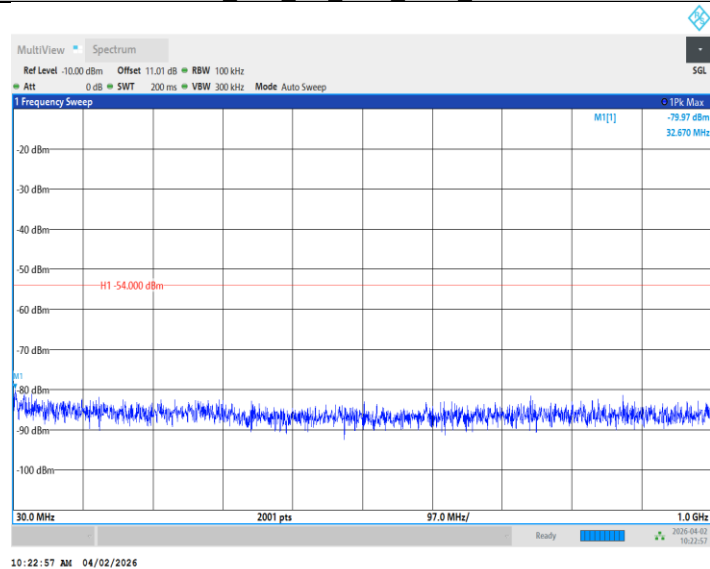
Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech District, Suzhou City, Anhui Province, China

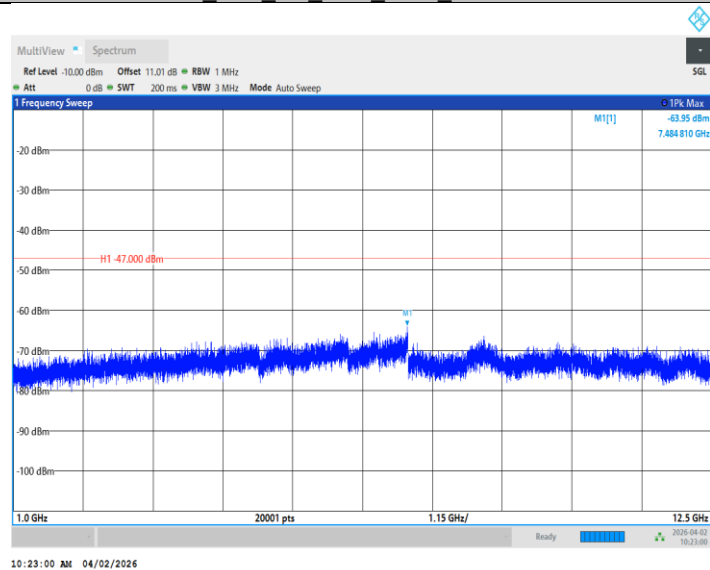
Tel: +86 (0557) 368 1008



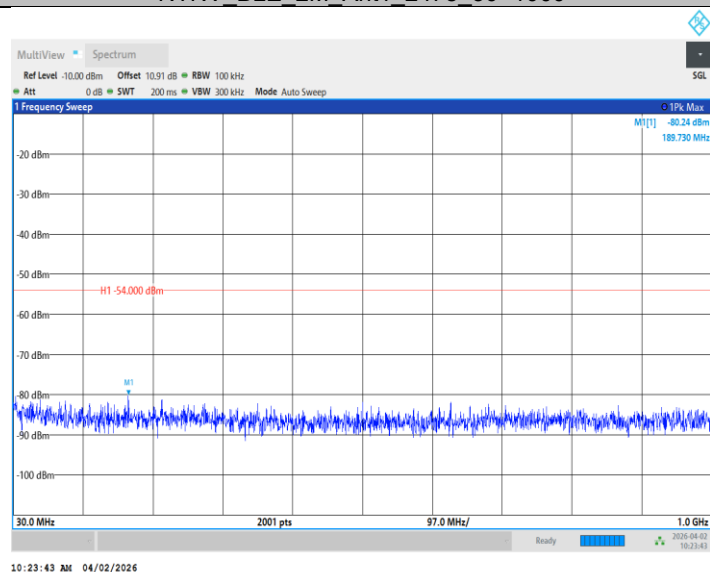
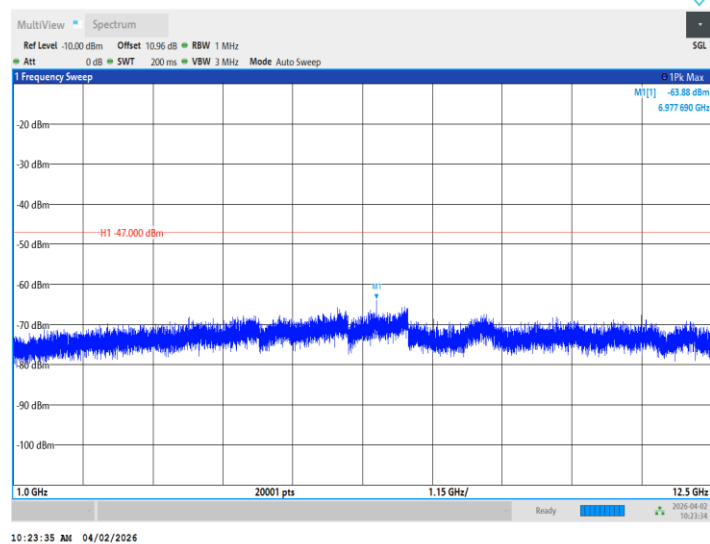
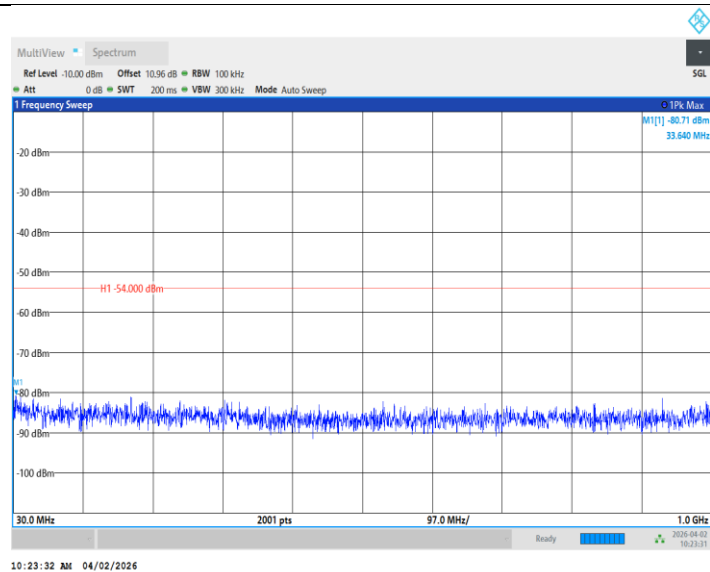
NTNV_BLE_2M_Ant1_2404_30~1000

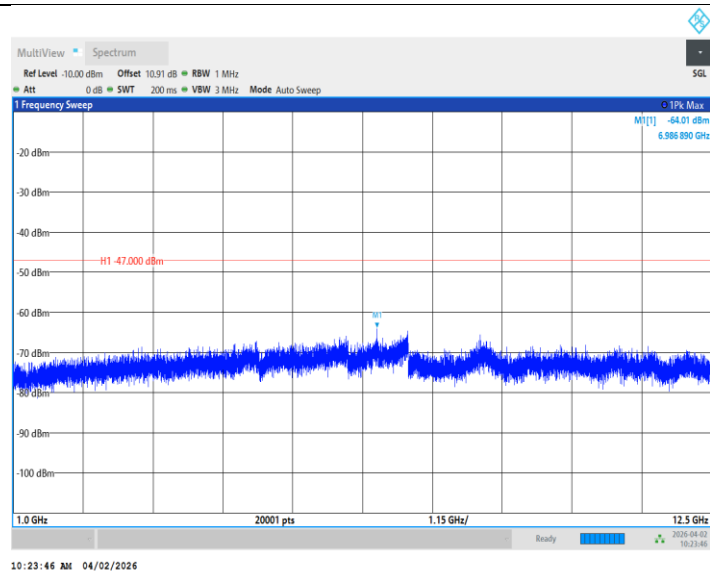


NTNV_BLE_2M_Ant1_2404_1000~12500

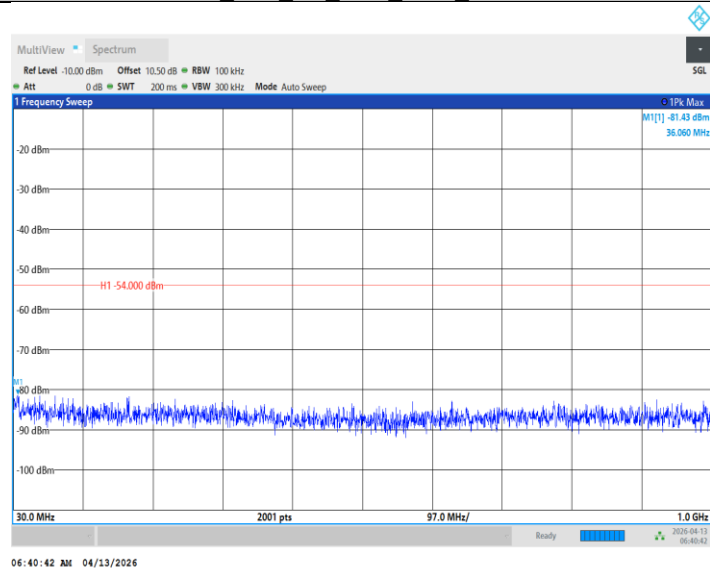


NTNV_BLE_2M_Ant1_2440_30~1000

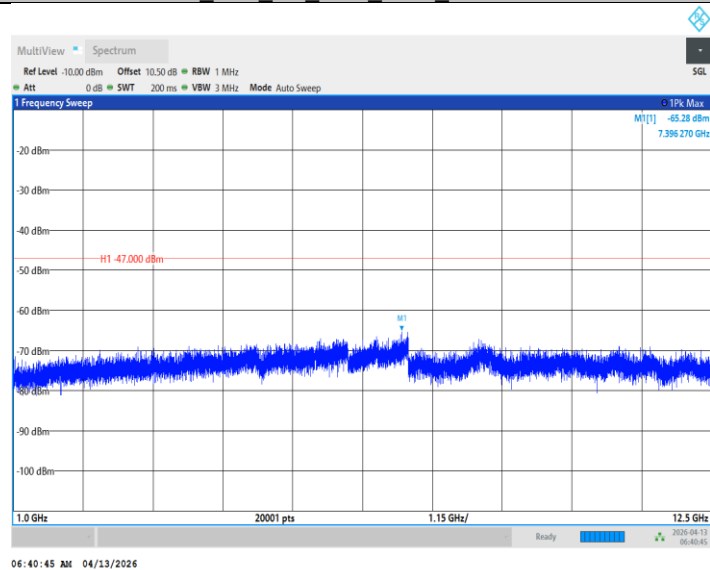




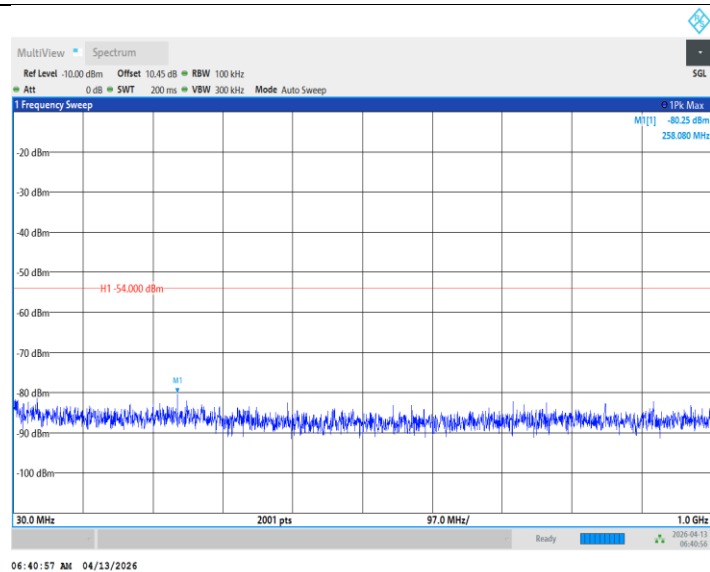
NTLV_BLE_1M_Ant1_2402_30~1000



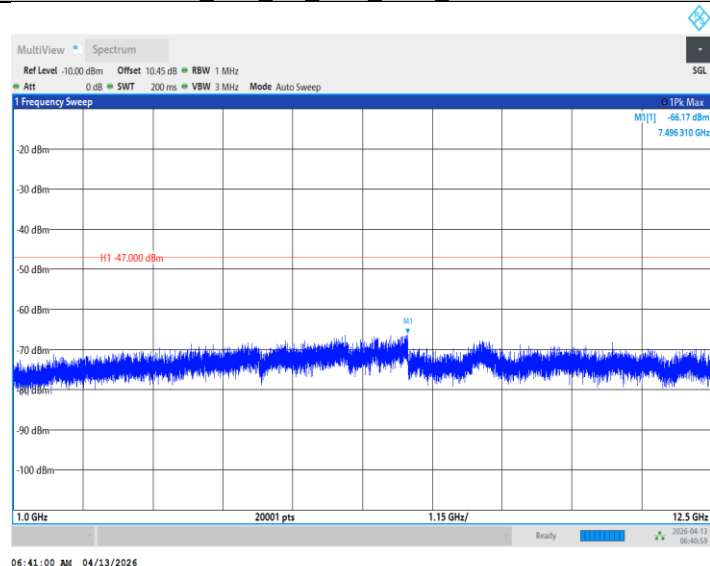
NTLV_BLE_1M_Ant1_2402_1000~12500



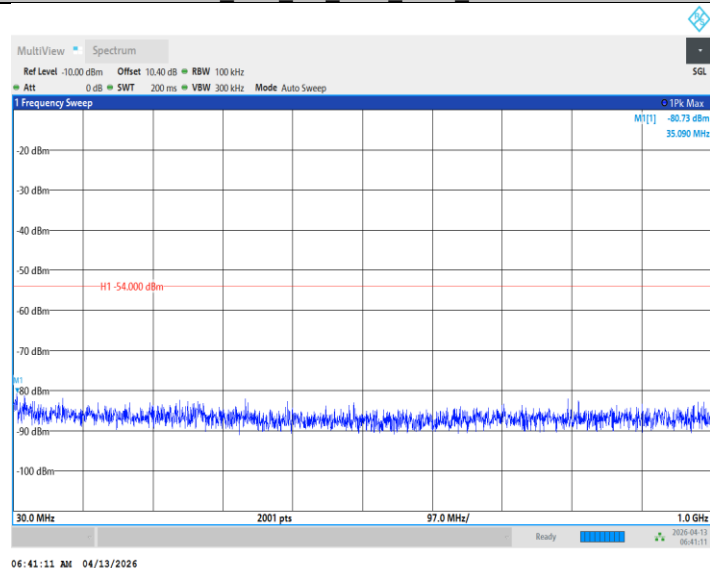
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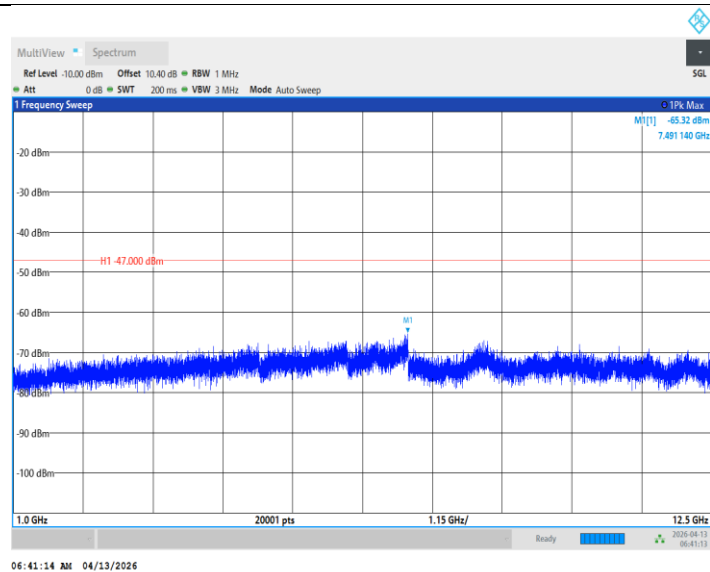
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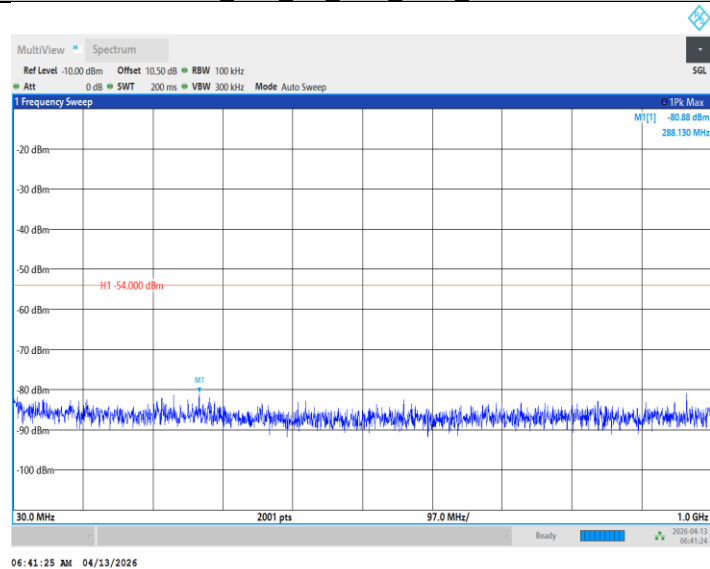
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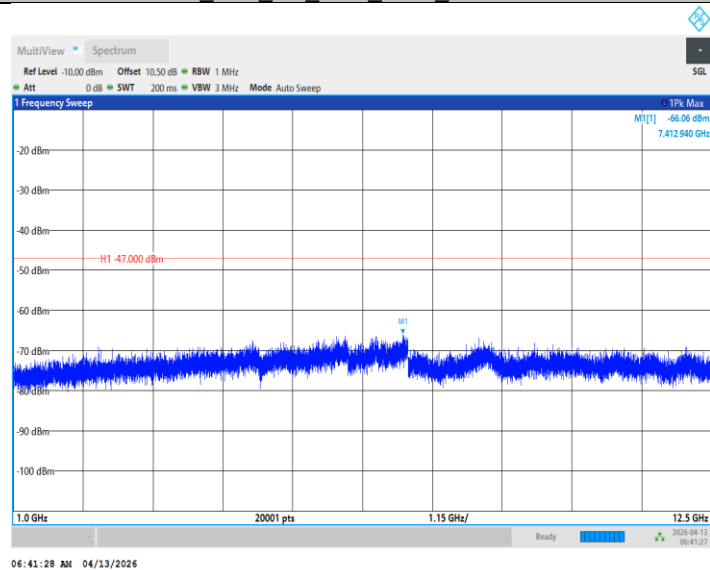
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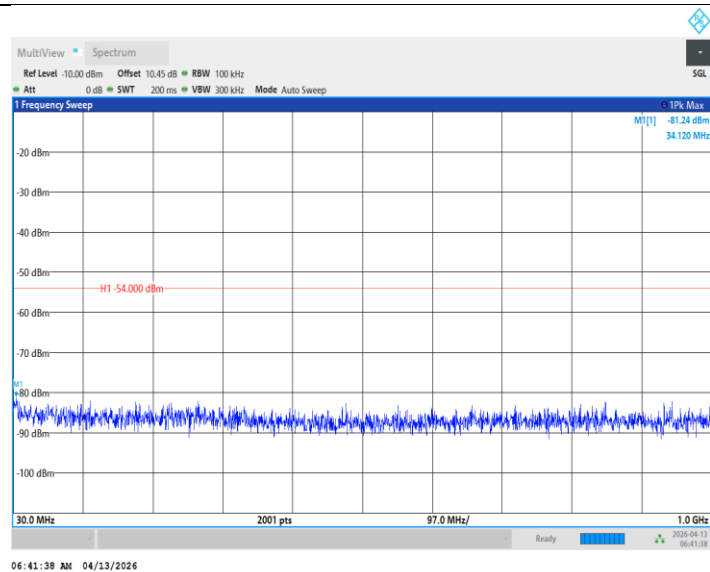
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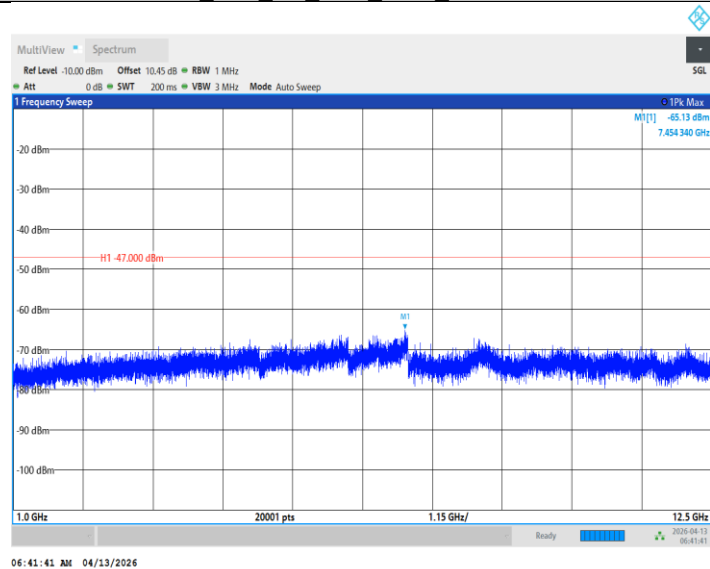
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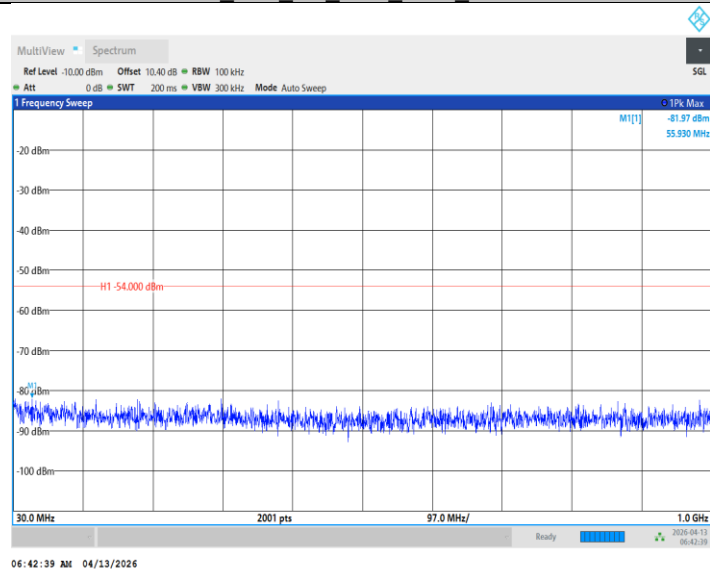
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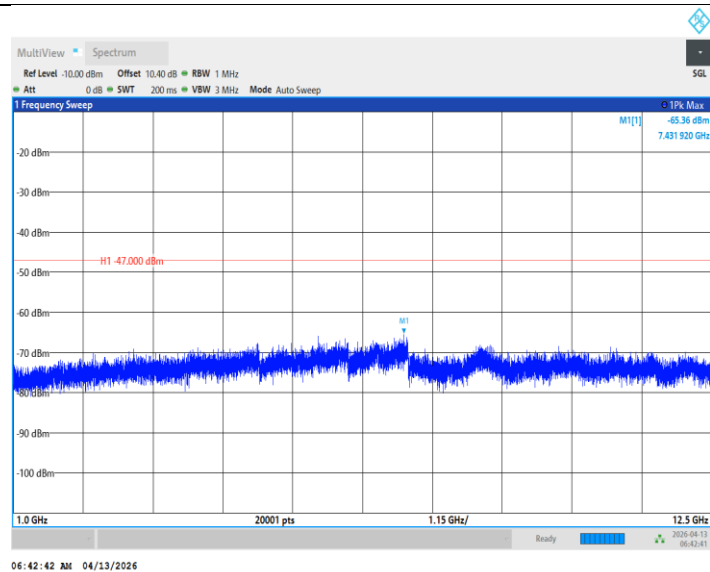
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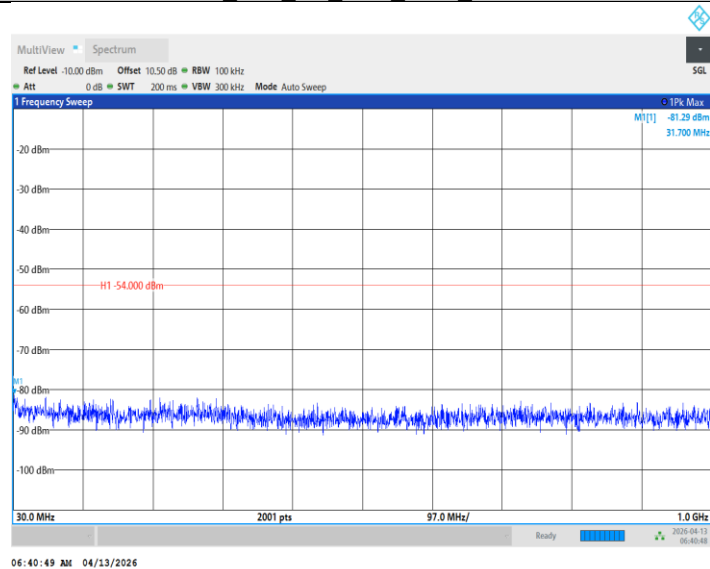
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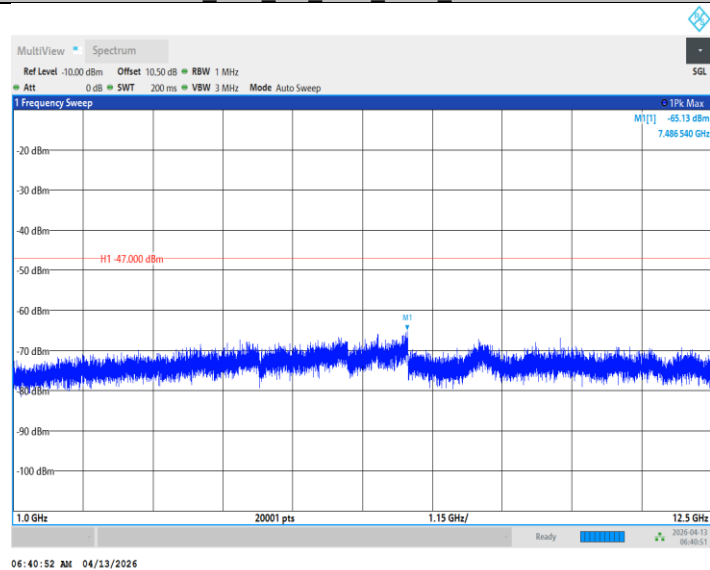
NTLV_BLE_2M_Ant1_2478_1000~12500



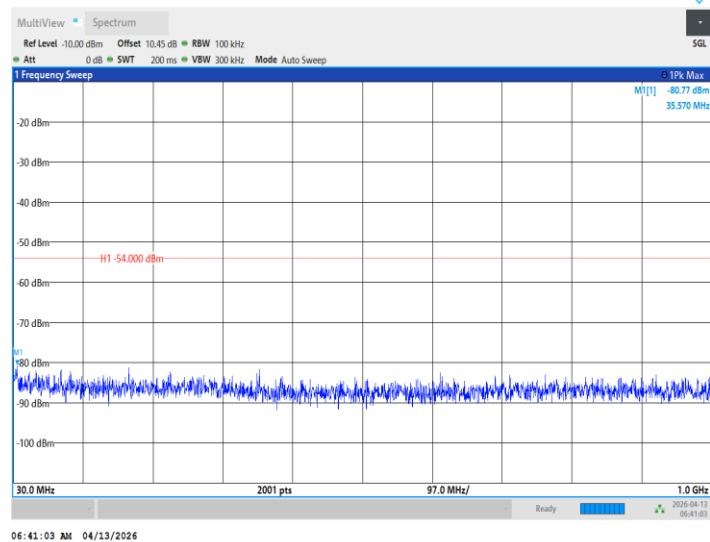
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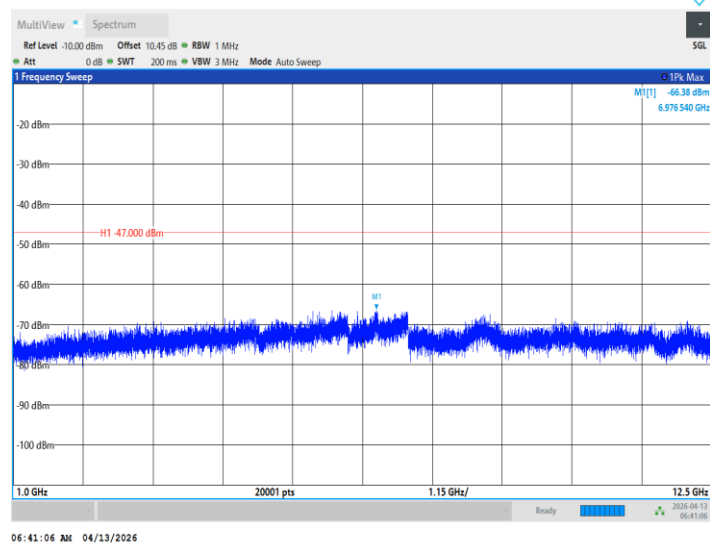
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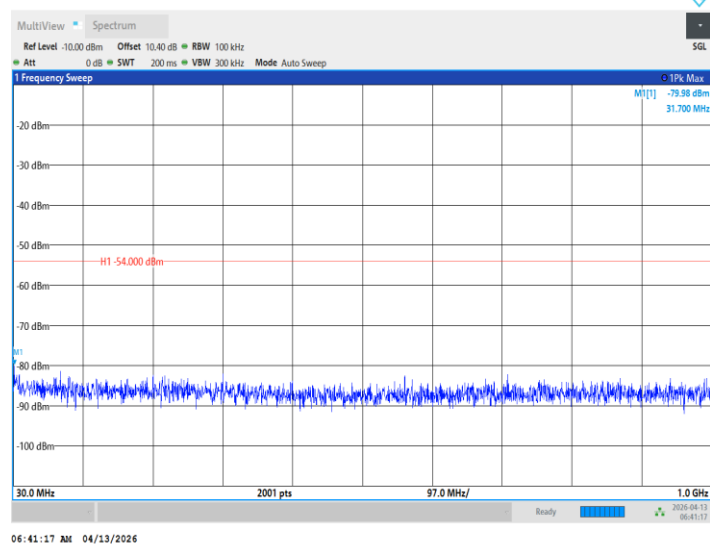
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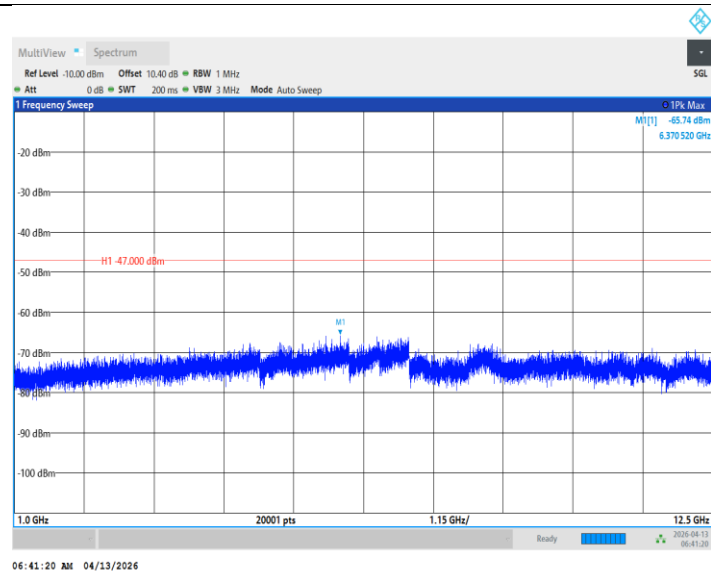
NTHV_BLE_1M_Ant1_2440_1000~12500



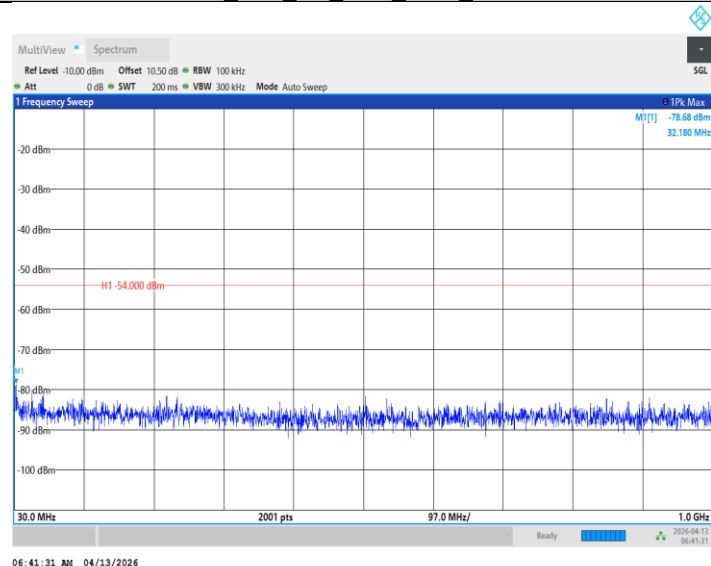
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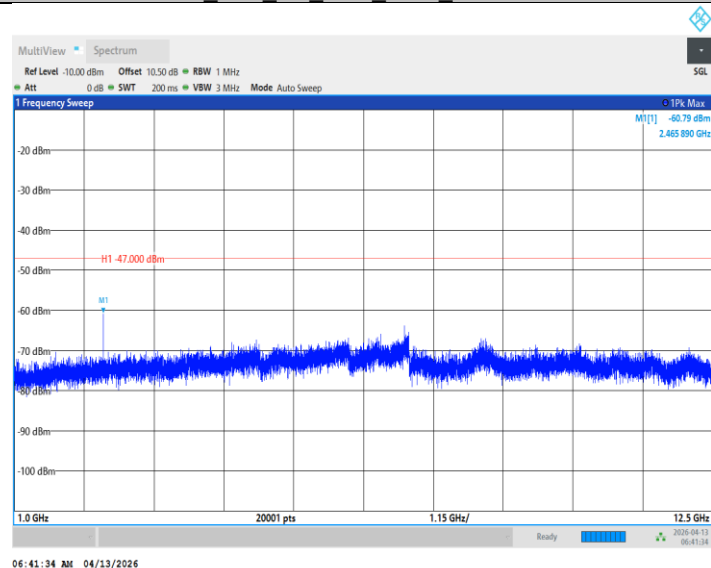
NTHV_BLE_1M_Ant1_2480_1000~12500



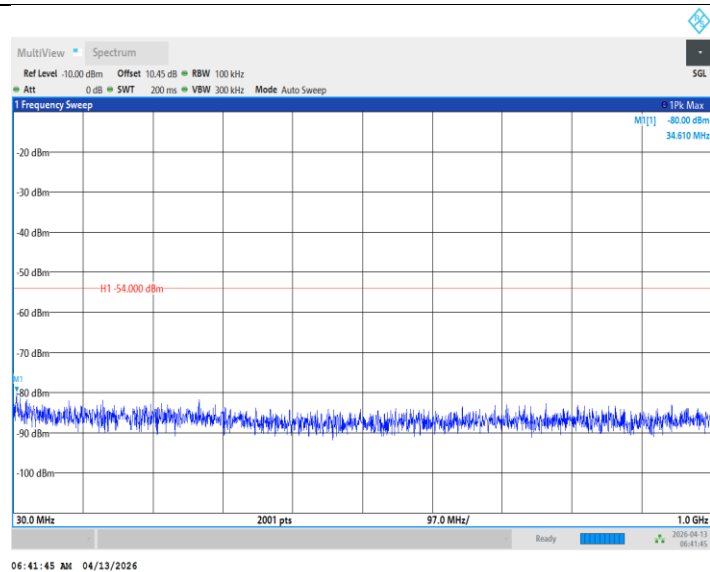
NTHV_BLE_2M_Ant1_2404_30~1000



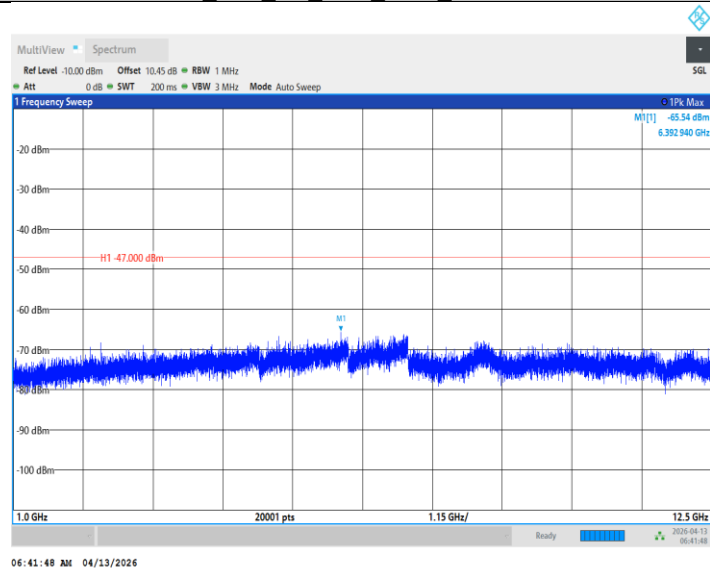
NTHV_BLE_2M_Ant1_2404_1000~12500



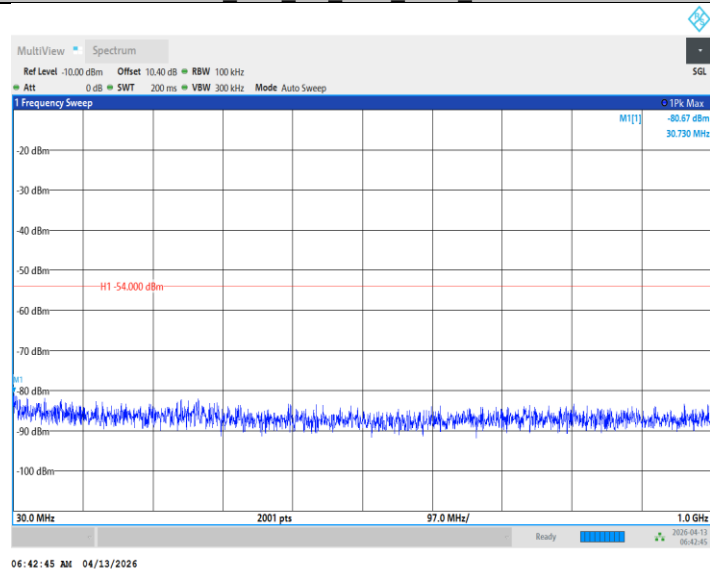
NTHV_BLE_2M_Ant1_2440_30~1000



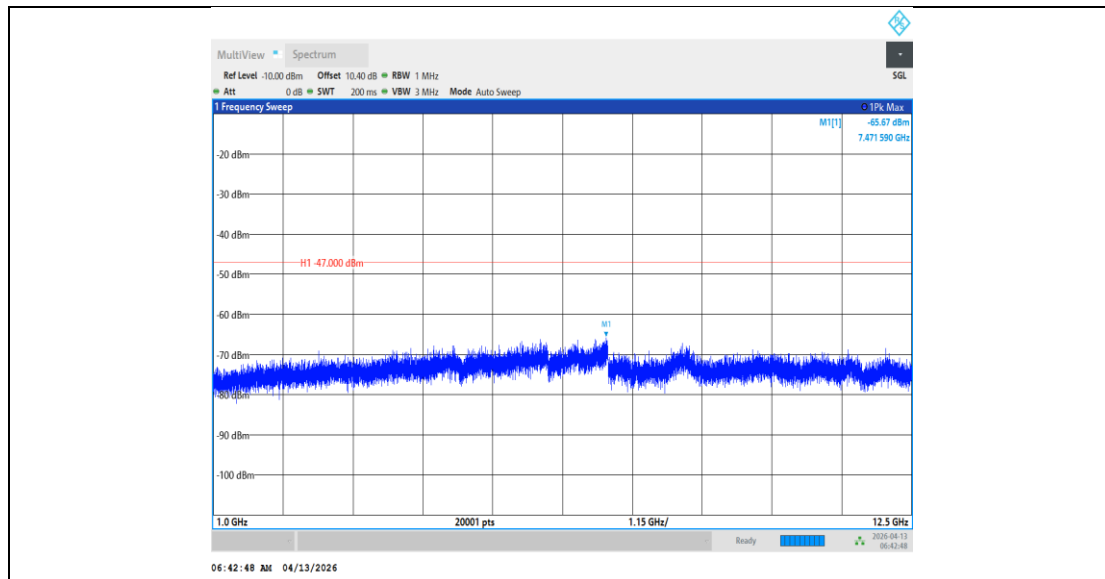
NTHV_BLE_2M_Ant1_2440_1000~12500



NTHV_BLE_2M_Ant1_2478_30~1000



NTHV_BLE_2M_Ant1_2478_1000~12500



--END--