FCC RF Test Report

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2529-1
FCC ID	:	IHDT56AV1
STANDARD	:	FCC Part 15 Subpart C §15.247
CLASSIFICATION	:	(DTS) Digital Transmission System
TEST DATE(S)	:	Feb. 19, 2025 ~ Mar. 09, 2025

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

This report contains data that were produced under subcontract by Sporton International Inc. (Shenzhen)

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.02

Sporton International Inc. (Kunshan)
No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR520602C	Rev. 01	Initial issue of report	Mar. 20, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	≥ 0.5MHz	Pass	-
3.1	-	99% Bandwidth	-	Report Only	-
3.2	15.247(b)	Power Output Measurement	≤ 30dBm	Pass	-
3.3	15.247(e)	Power Spectral Density	≤ 8dBm/3kHz	Pass	-
3.4	15.247(d)	Conducted Band Edges	≤ 20dBc	Pass	-
		Conducted Spurious Emission		Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 3.06 dB at 2389.74 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 9.04 dB at 0.88 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	15.203 & 15.247(b)	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2529-1
FCC ID	IHDT56AV1
IMEI Code	Conducted: 351291190028811/351291190028829 for Sample 1 Conduction: 351291190028951/351291190028969 for Sample 1 351291190038158/351291190038166 for Sample 2 351291190048652/351291190048660 for Sample 3 Radiation: 351291190028852 for Sample 1
HW Version	DVT2
SW Version	V2VO35.57
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. There are three types of EUT, the differences could be referred to the XT2529-1_Operational Description of Product Equality Declaration which is exhibit separately. According to the difference, we choose sample 1 to full test and the sample 2/3 is verified for the difference.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	2412 MHz ~ 2462 MHz
Maximum (Peak) Output Power to antenna	802.11b : 21.83 dBm (0.1524 W) 802.11g : 25.20 dBm (0.3311 W) 802.11n HT20 : 25.27 dBm (0.3365 W) 802.11n HT40 : 25.27 dBm (0.3365 W) 802.11ac VHT20 : 25.17 dBm (0.3289 W) 802.11ac VHT40 : 24.97 dBm (0.3141 W)
99% Occupied Bandwidth	802.11b : 13.17MHz 802.11g : 17.04MHz 802.11n HT20 : 18.08MHz 802.11n HT40 : 37.31MHz
Antenna Type / Gain	<Ant 6>: PIFA Antenna type with gain -5.2 dBi
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)

Note: For 802.11n HT20 /ac VHT20 and 802.11n HT40 /ac VHT40 mode, the whole testing have assessed only 802.11n HT20/HT40 by referring to the higher output power.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-KS	CN1257	314309

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	CO02-SZ ; 03CH03-SZ	CN1256	421272

Note: Test data subcontracted: RSE and conduction test case in section 3.5/3.6 of this report.

1.7 Test Software

Item	Site	Manufacturer	Name	Version
1.	TH01-KS	SPORTON	FCC 15C-15E Test Tools Ver10.0_210607	10.0
2.	03CH03-SZ	AUDIX	E3	6.2009-8-24
3.	CO02-SZ	AUDIX	E3	6.120613b

1.8 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart C §15.247
- FCC KDB 558074 D01 15.247 Meas Guidance v05r02
- ANSI C63.10-2013

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.9 Specification of Accessory

Accessories Information				
AC Adapter 1(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-331L
AC Adapter 1(EU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-332L
AC Adapter 1(UK)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-333L
AC Adapter 1(AU)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-335L
AC Adapter 1(AR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-336L
AC Adapter 1(BR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-337L
AC Adapter 1(CHILE)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-339L
AC Adapter 1(KR)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-330L
AC Adapter 2(US)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-331L
AC Adapter 2(EU)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-332L
AC Adapter 2(UK)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-333L
AC Adapter 2(AR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-336L
AC Adapter 2(BR)	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-337L
AC Adapter 3(IN)	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-334L
AC Adapter 3(IN)	**Brand Name**	Motorola(XIHI)	**Model Name**	MC-334L
AC Adapter 4(IN)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-334L
AC Adapter 4(IN)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-334L
AC Adapter 5(US)	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-331
Battery 1	**Brand Name**	Motorola(Sunwoda)	**Model Name**	RB52
Battery 2	**Brand Name**	Motorola(NVT)	**Model Name**	RB52
Battery 3	**Brand Name**	Motorola(SCUD)	**Model Name**	RB52
USB Cable 1	**Brand Name**	Motorola(Yihuaxing)	**Model Name**	T365-020 T365-020-01 T365-020-02
USB Cable 2	**Brand Name**	Motorola(WASHIN)	**Model Name**	HX-TL-01 HX-TL-07 HX-TL-08
USB Cable 3	**Brand Name**	Motorola(Juwei)	**Model Name**	JWUB1614-T03H JWUB1705-T03H JWUB1856-T03H

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X plane) were recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437	-	-

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0

Test Cases	
AC Conducted Emission	Mode 1 :GSM 850 Idle + Bluetooth Link + WLAN Link (2.4G) + Adapter1 + USB Cable + Battery 1 + Earphone 1 for Sample 1 Mode 2 :GSM 850 Idle + Bluetooth Link + WLAN Link (2.4G) + Adapter1 + USB Cable + Battery 2 + Earphone 1 for Sample 2 Mode 3 :GSM 850 Idle + Bluetooth Link + WLAN Link (2.4G) + Adapter1 + USB Cable + Battery 3 + Earphone 1 for Sample 3

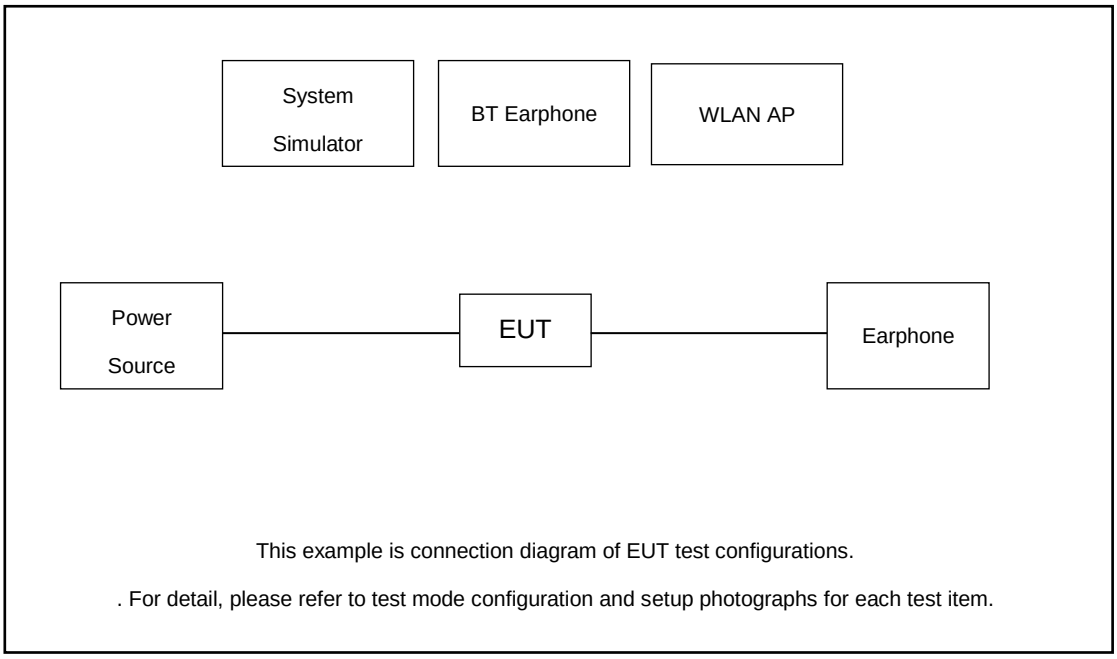
Remark:

1. The worst case of conducted emission is mode 1; only the test data of it was reported.
2. For Radiated Test Cases, the tests were performance with Adapter1, Earphone and USB Cable 1 for sample 1.

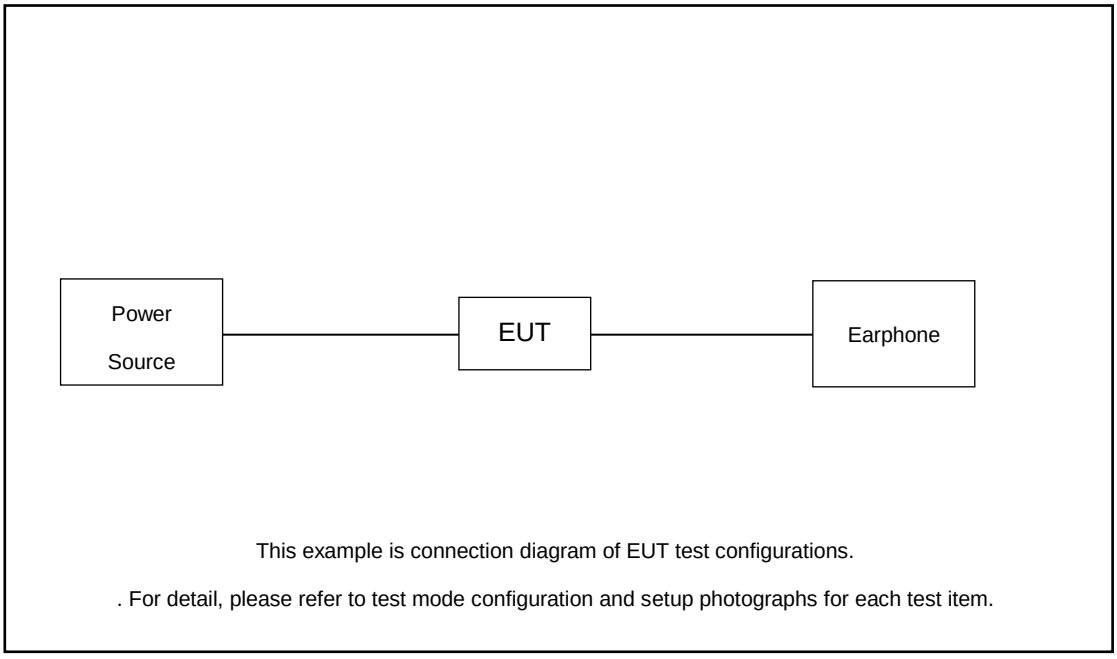
RSE Co-location
802.11n HT40 CH03 2422_TX + LTE Band 41 link

2.3 Connection Diagram of Test System

AC Conducted Emission:



Radiated Emission:



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Base Station(LTE)	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Bluetooth Earphone	Samsung	EO-MG900	PYAHS-107W	N/A	N/A
3.	WLAN AP	Dlink	DIR-820L	KA2IR820LA1	N/A	Unshielded,1.8m
4.	Earphone	N/A	N/A	N/A	N/A	N/A

2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example:

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 1.30 dB and 10dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 1.30 + 10 = 11.30 (dB)

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

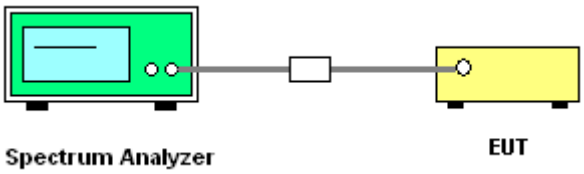
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

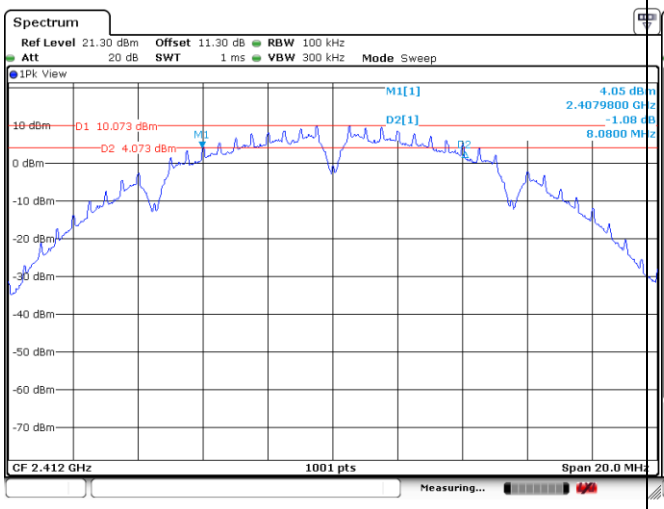
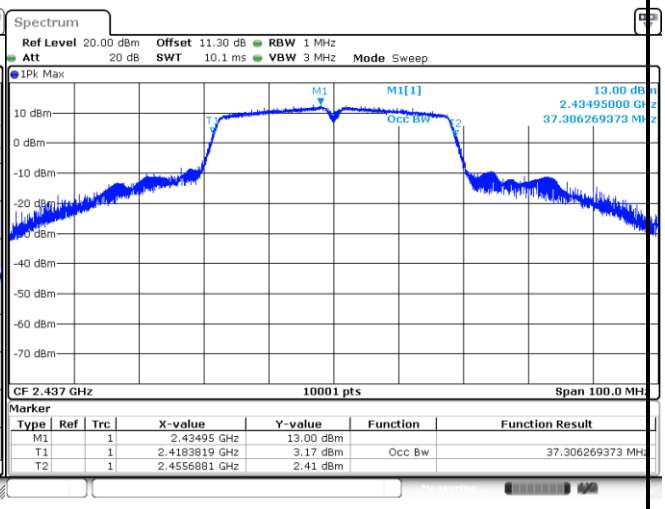
1. The testing follows ANSI C63.10-2013 clause 11.8
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) ≥ 3*RBW. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = 1%~5% of OBW and set the Video bandwidth (VBW) approximately three times the RBW.
6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.

Minimum 6dB Bandwidth	Maximum 99% Occupied Bandwidth
	

Note : The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

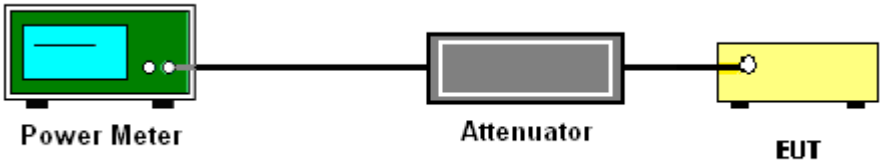
3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

1. The testing follows the Measurement Procedure of ANSI C63.10-2013 clause 11.9.1.3 PKPM1 Peak power meter or ANSI C63.10-2013 clause 11.9.2.3.1 Method AVGPM method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.2.6 Test Result of Average Output Power (Reporting Only)

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

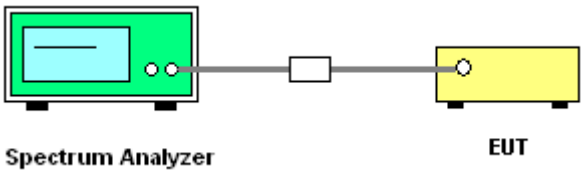
3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.3.3 Test Procedures

1. The testing follows Measurement Procedure of ANSI C63.10-2013 clause 11.10.2 Method PKPSD.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

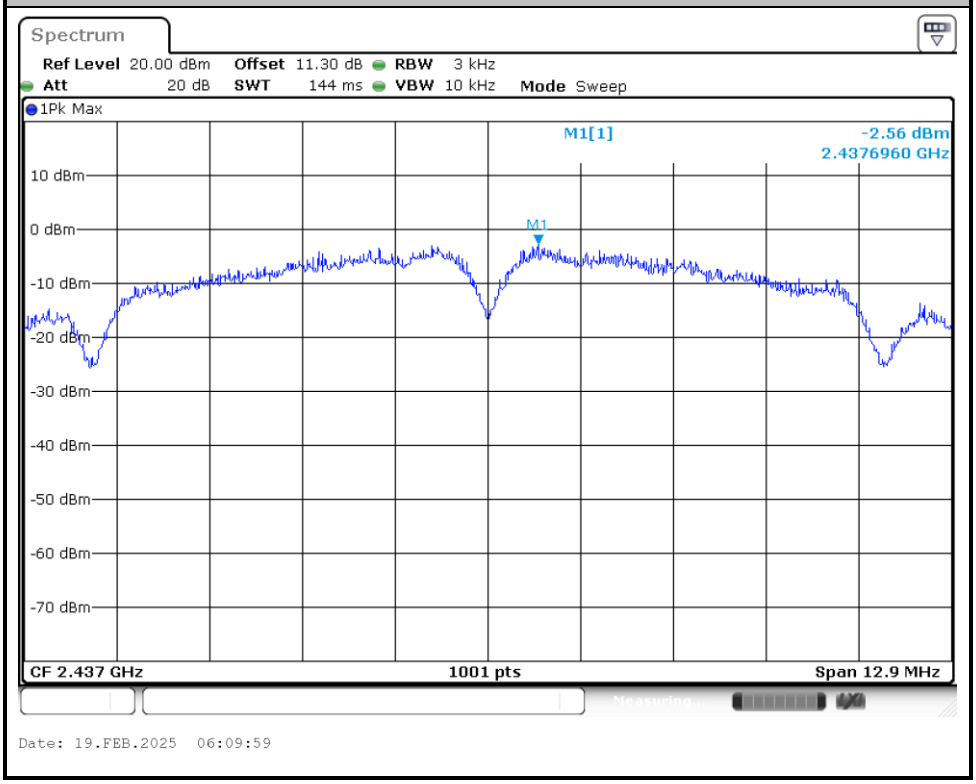
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/3kHz)



3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

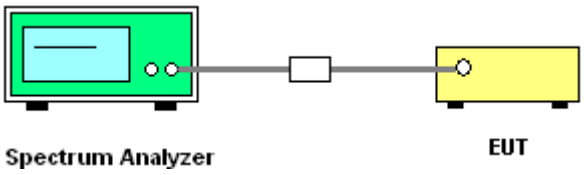
3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.4.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 11.11
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup

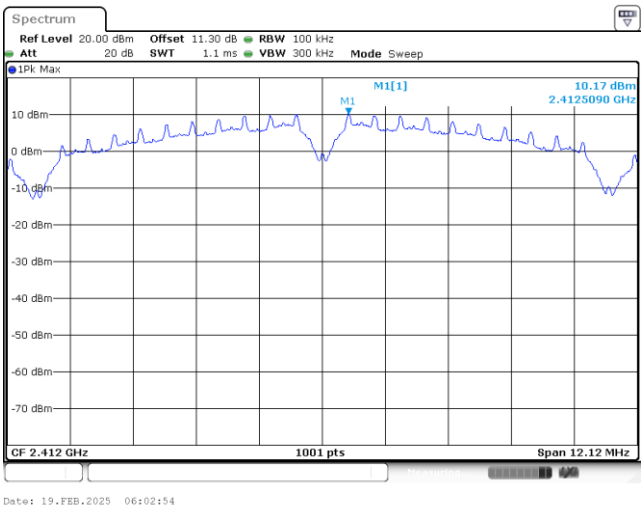


3.4.5 Test Result of Conducted Band Edges and Spurious Emission

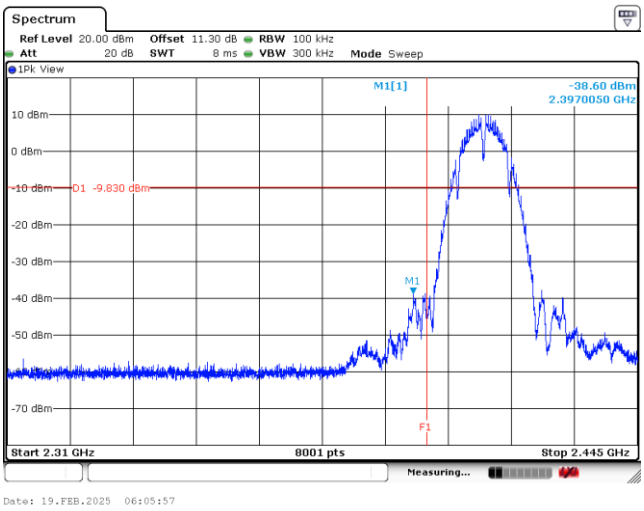
Test Engineer :	Smile	**Temperature :**	23~25℃
		Relative Humidity :	41~42%

Test Mode :	802.11b	**Test Channel :**	01

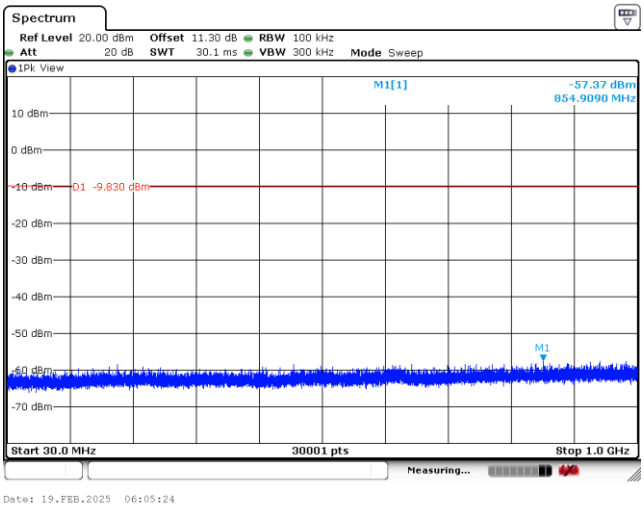
100kHz PSD reference Level



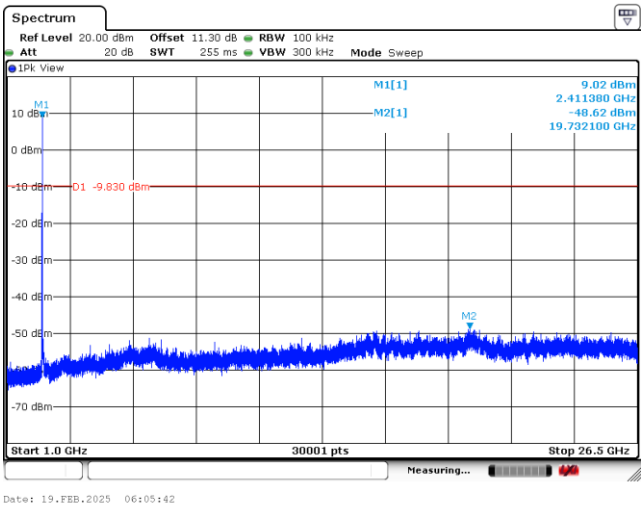
Channel Plot



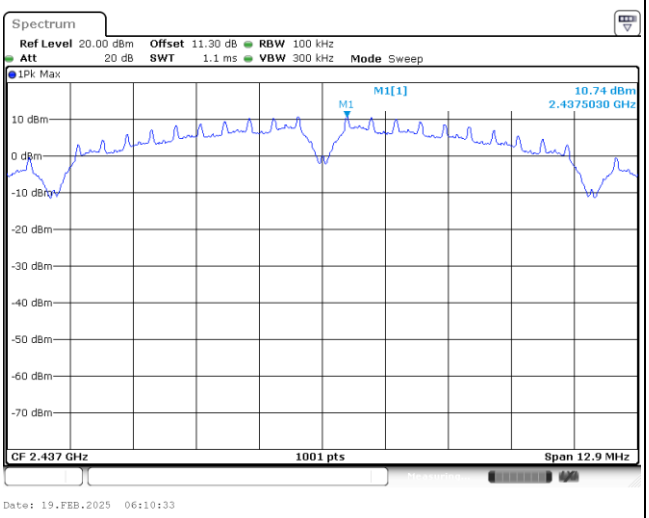
Spurious Emission Plot-1

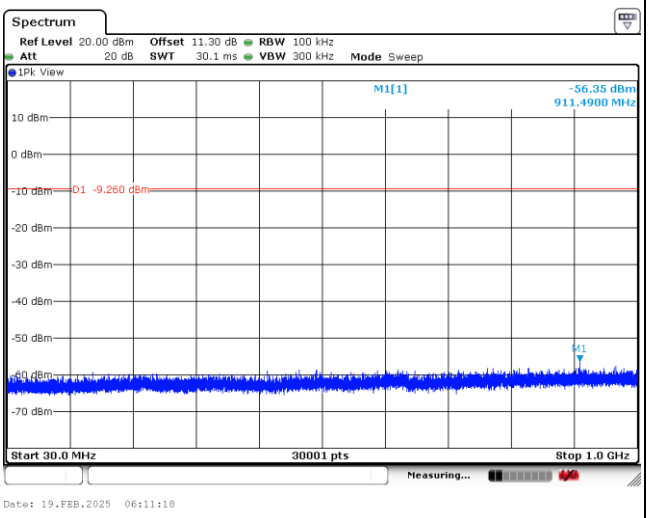
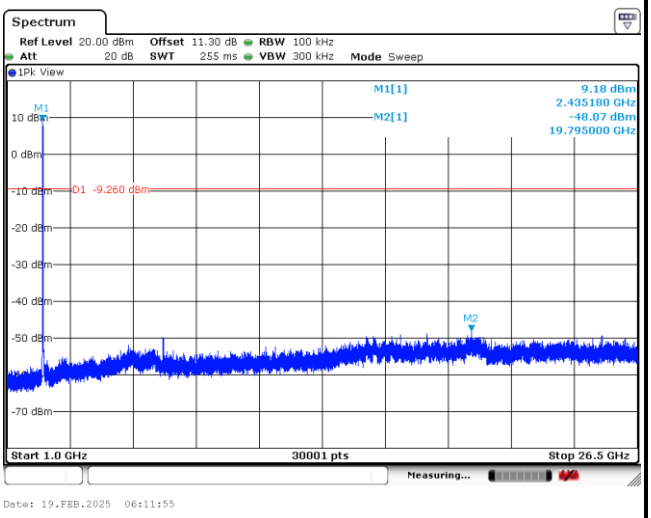


Spurious Emission Plot-2

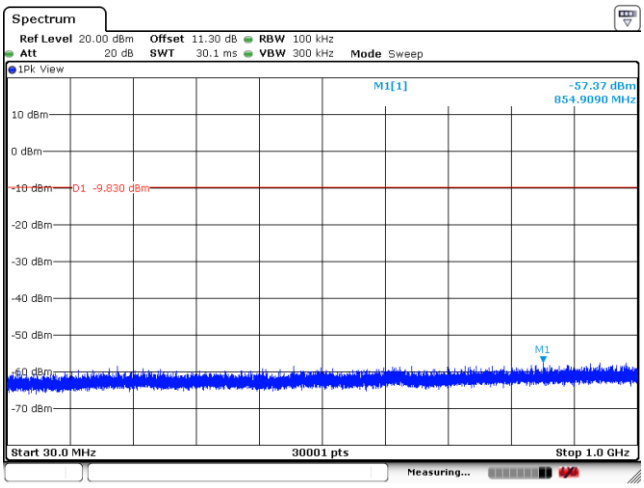
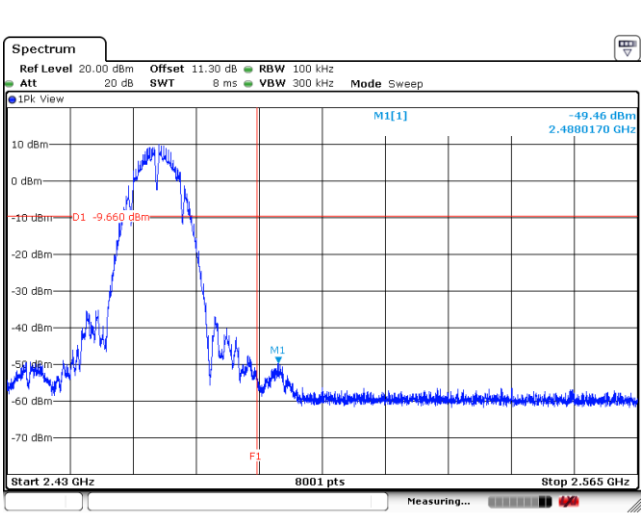


Test Mode :	802.11b	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	

Spurious Emission Plot-1	Spurious Emission Plot-2
	

Test Mode :	802.11b	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
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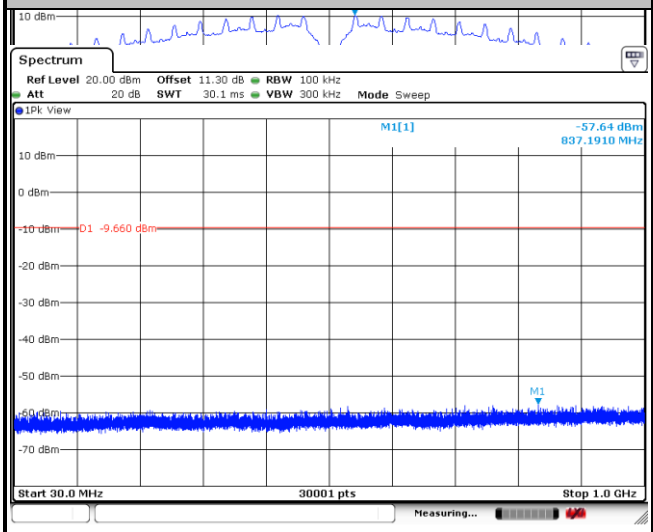
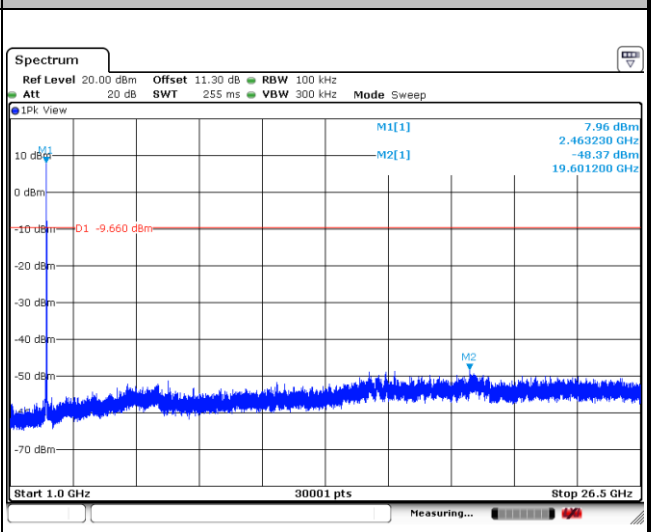
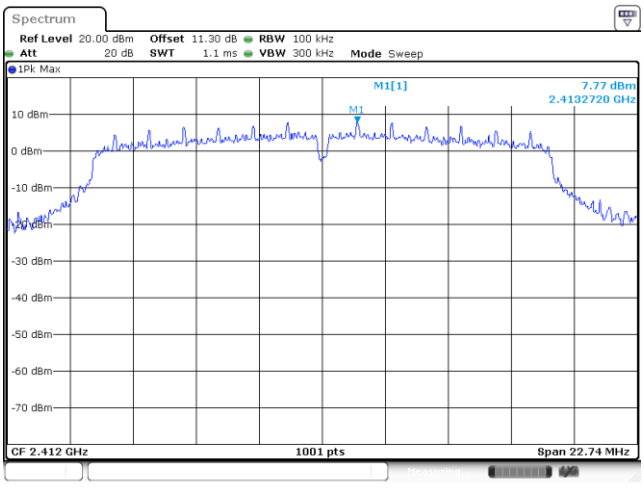
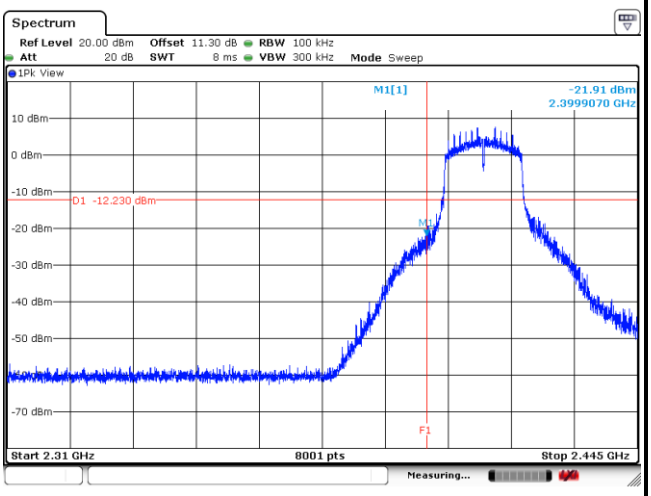
	

Test Mode :	802.11g	Test Channel :	01

100kHz PSD reference Level	Channel Plot
	
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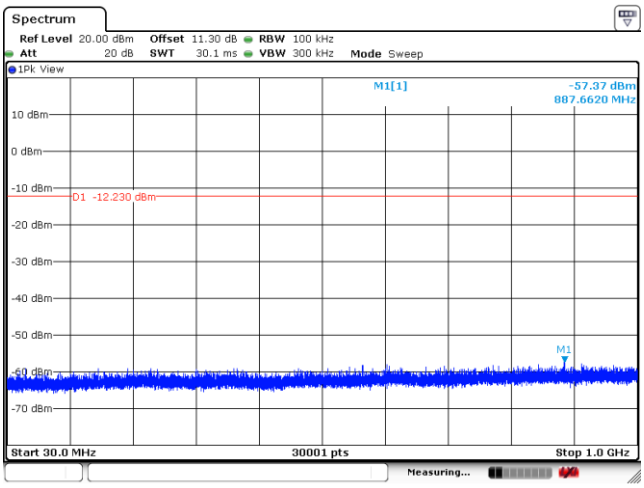
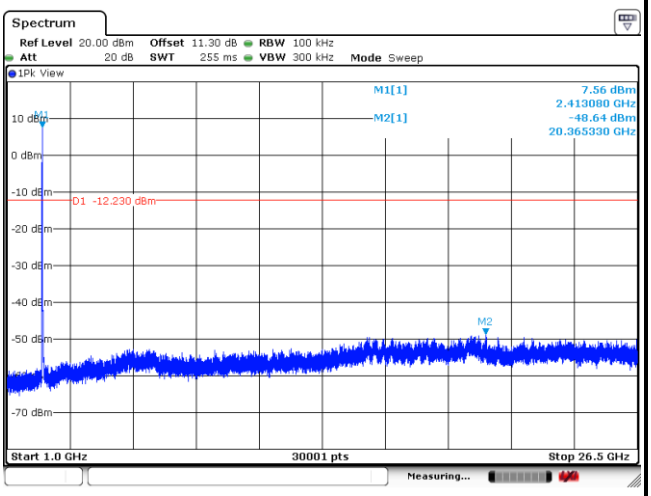
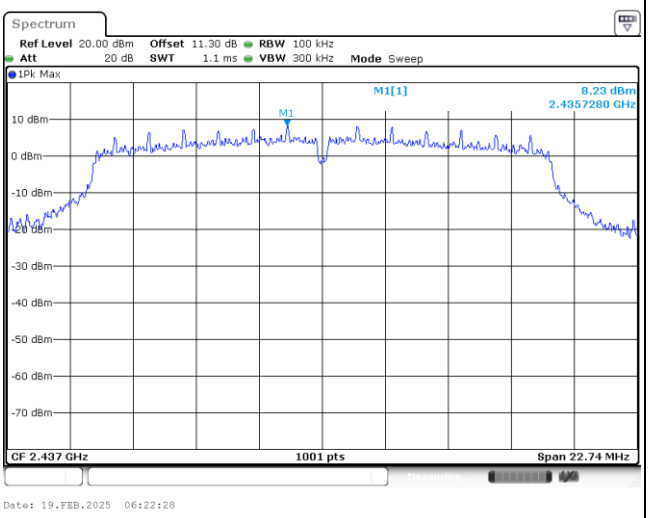
	

Test Mode :	802.11g	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	

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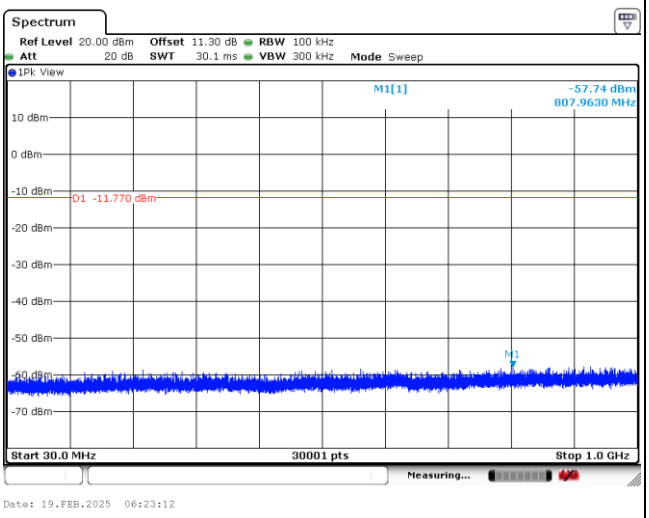
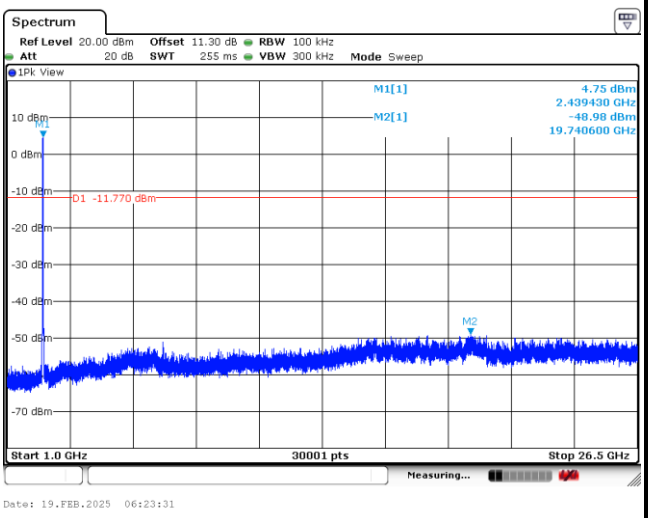
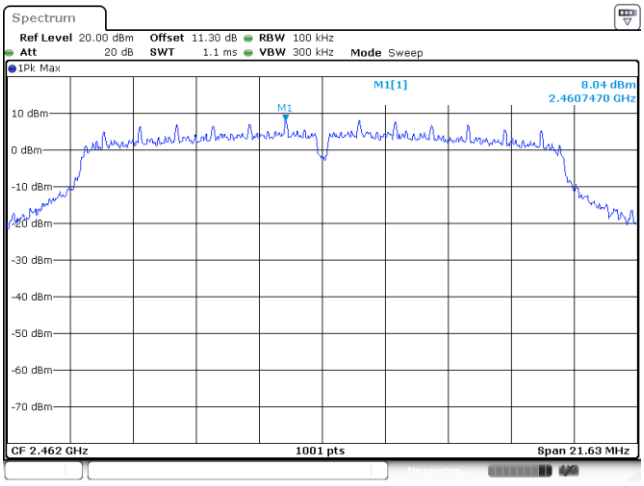
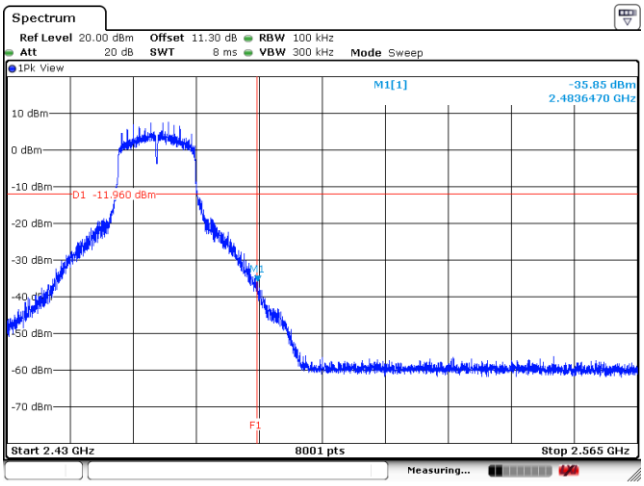
	

Test Mode :	802.11g	Test Channel :	11

100kHz PSD reference Level	Channel Plot
	
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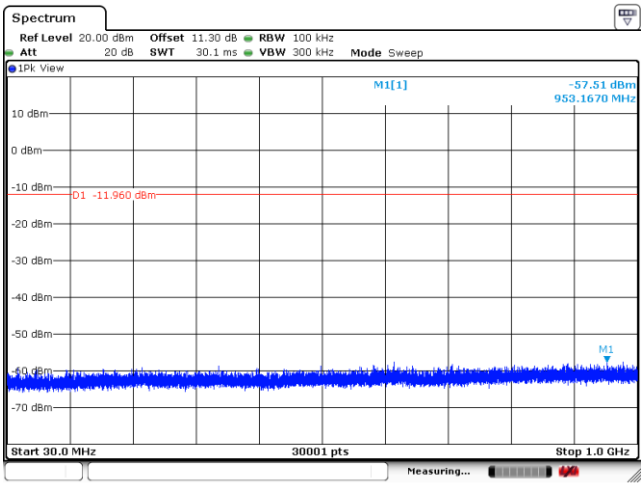
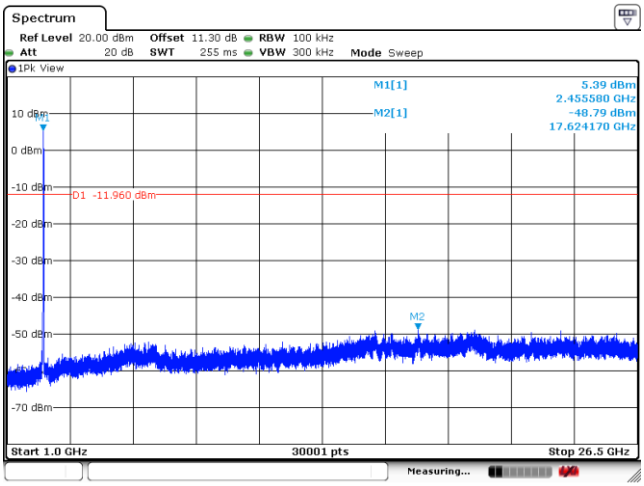
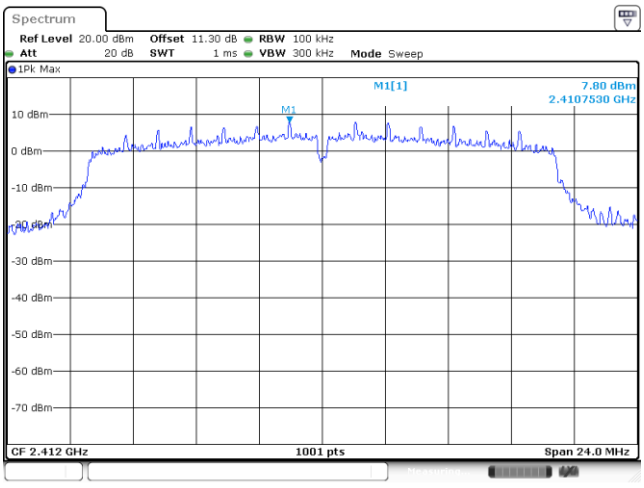
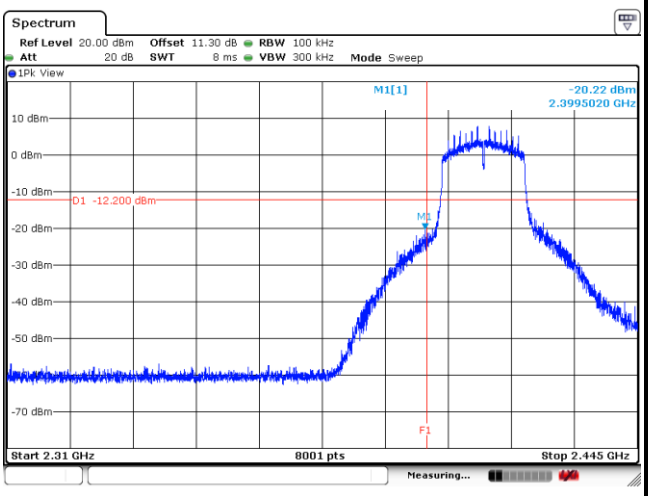
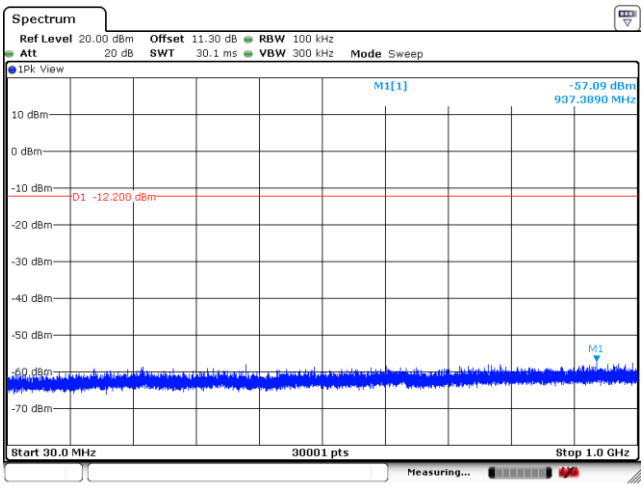
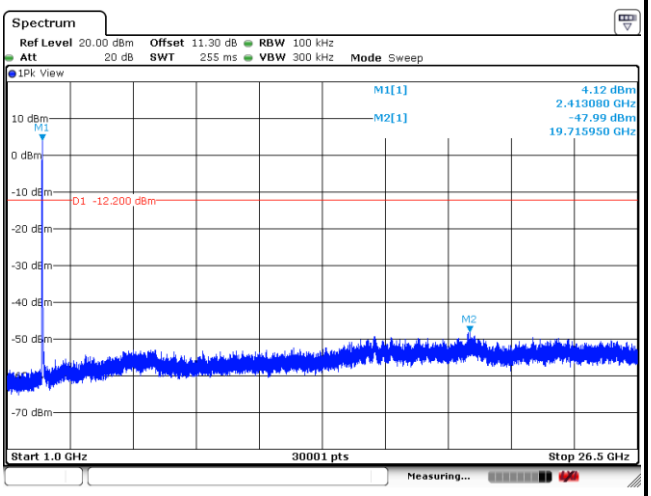
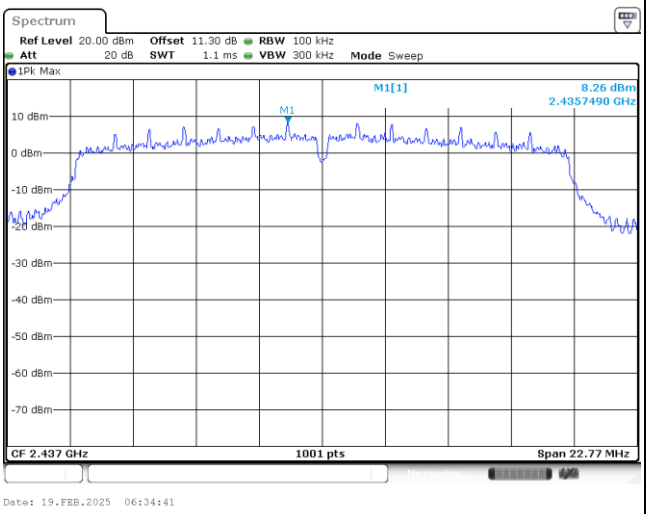
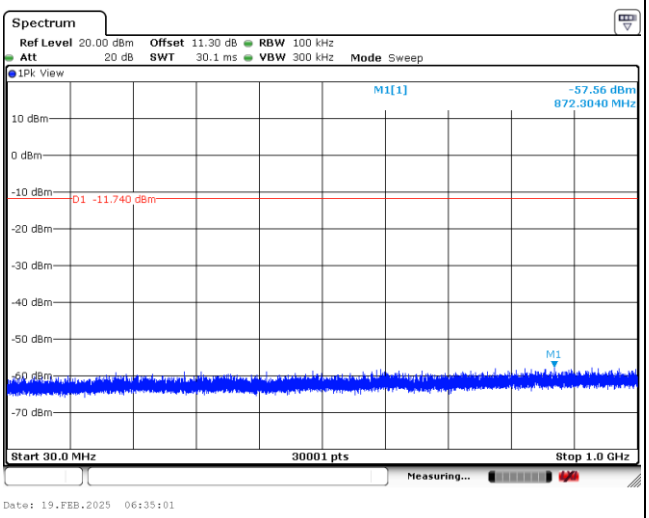
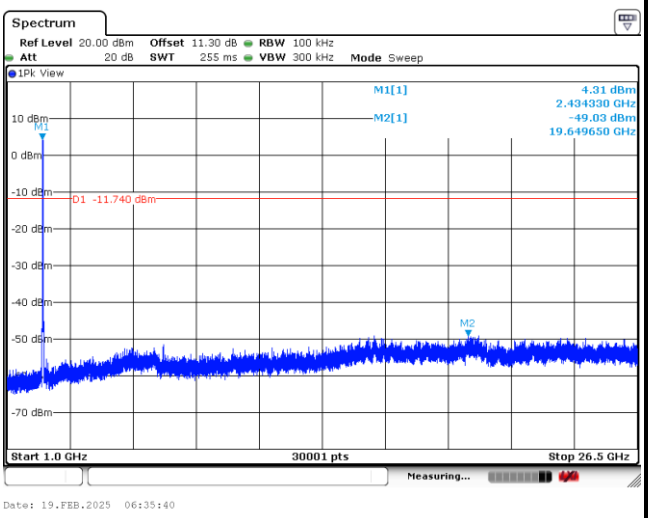
	

Test Mode :	802.11n HT20	Test Channel :	01

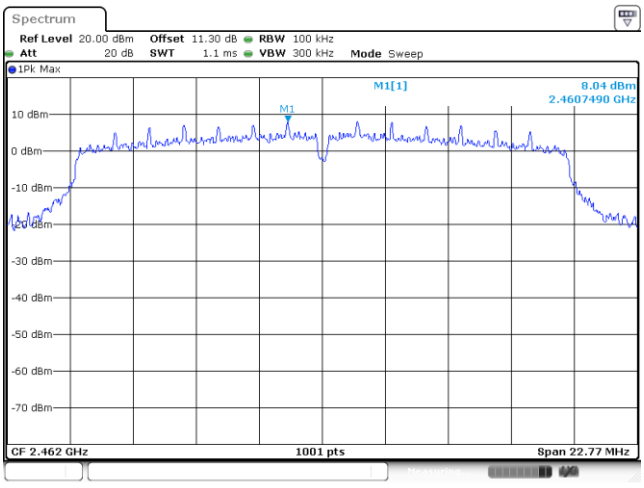
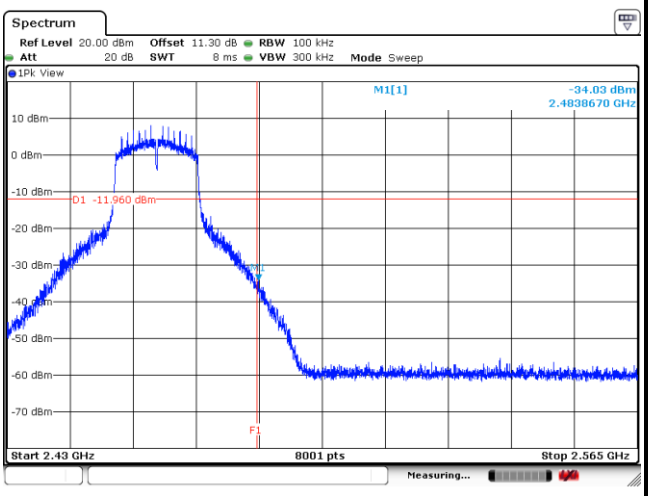
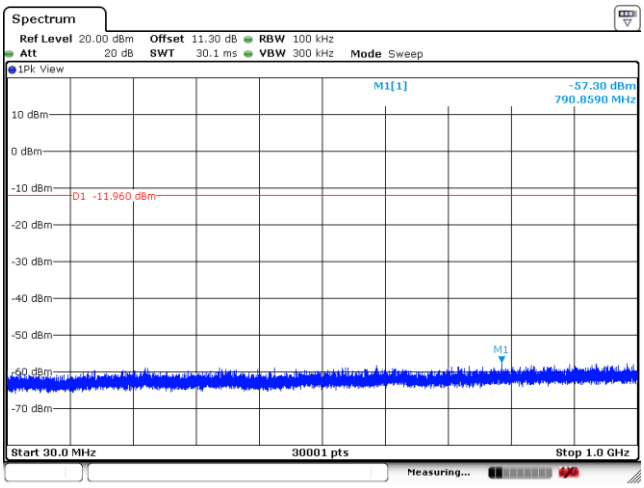
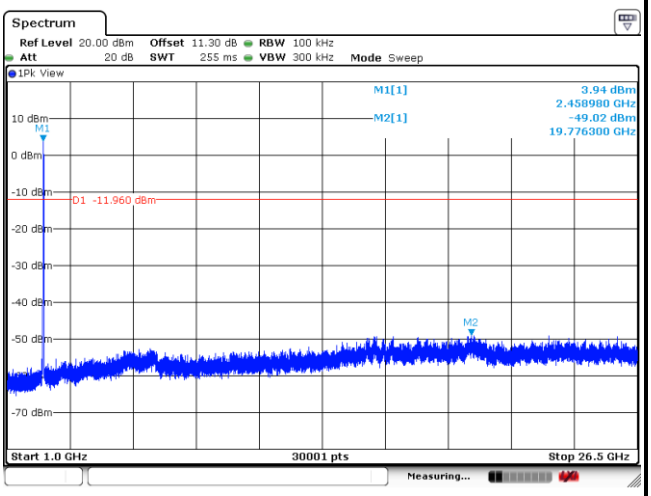
100kHz PSD reference Level	Channel Plot
	
Spurious Emission Plot-1	**Spurious Emission Plot-2**
	

Test Mode :	802.11n HT20	Test Channel :	06

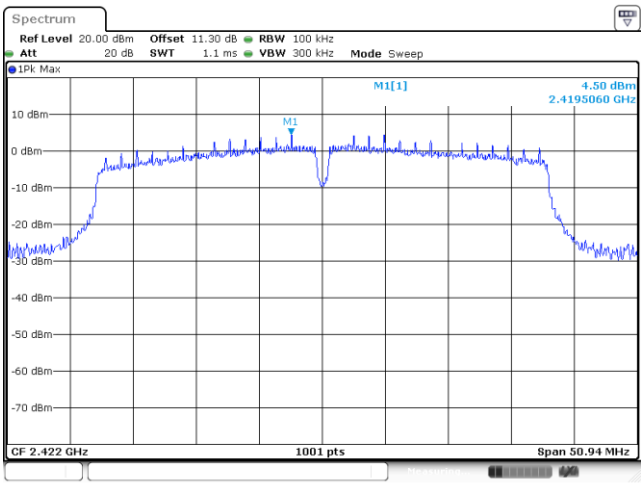
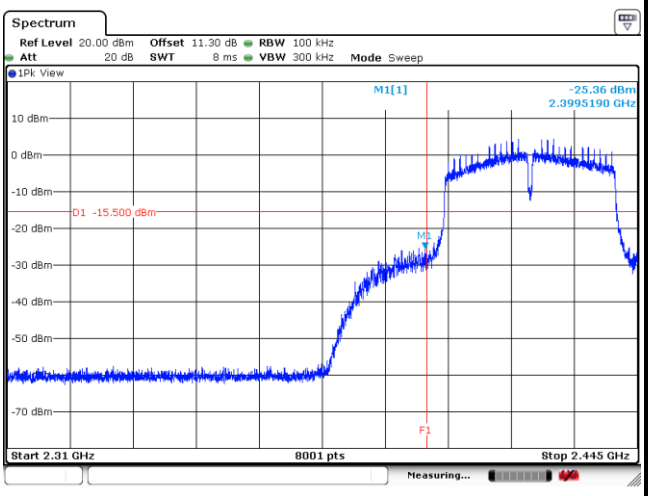
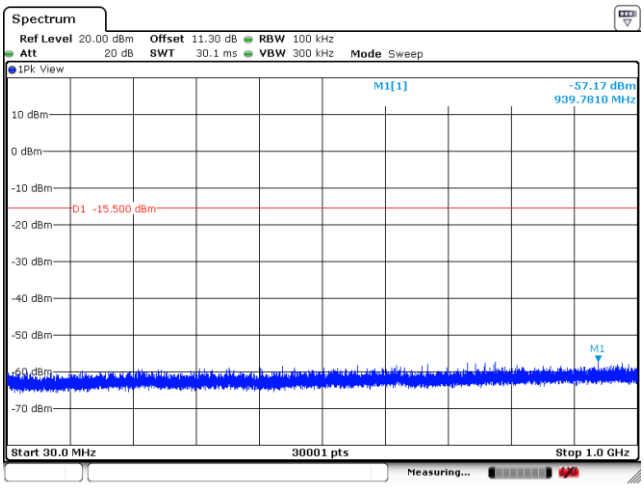
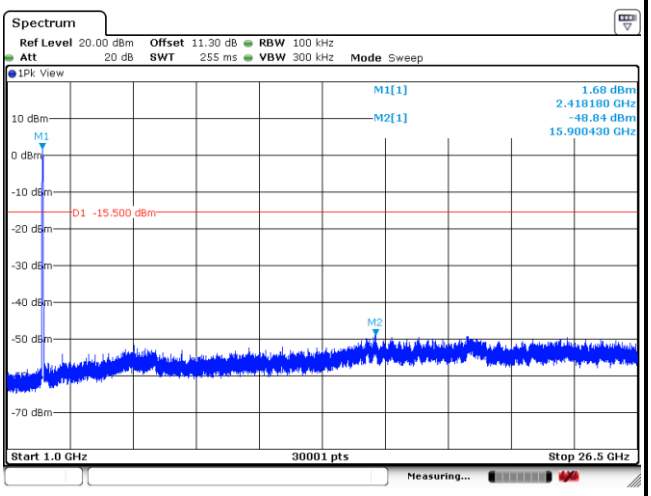
100kHz PSD reference Level	Channel Plot
	

Spurious Emission Plot-1	Spurious Emission Plot-2
	

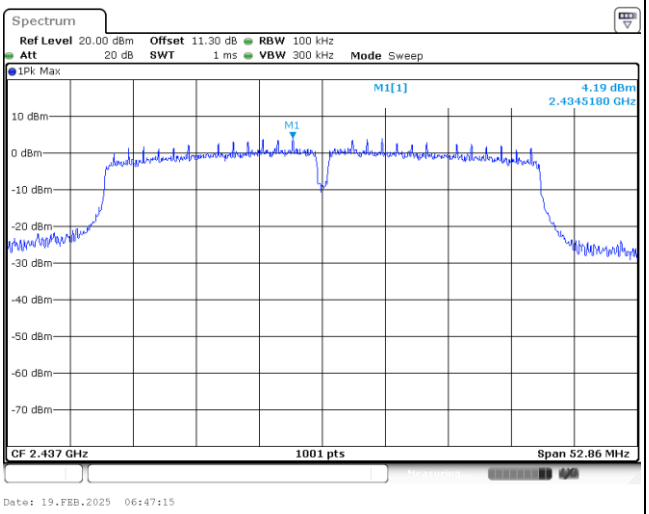
Test Mode :	802.11n HT20	Test Channel :	11

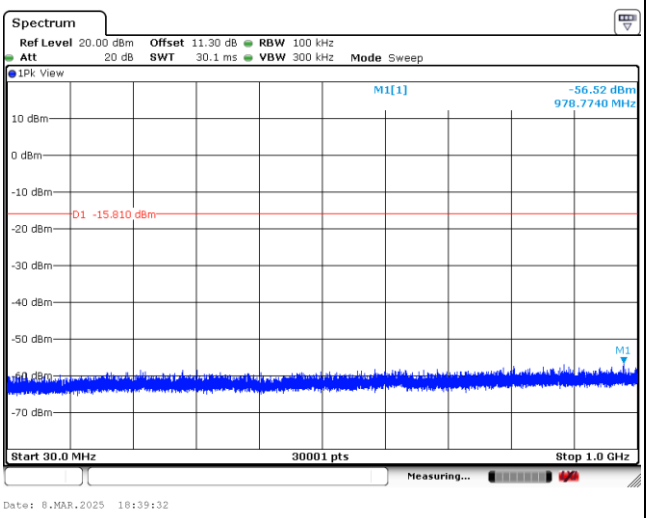
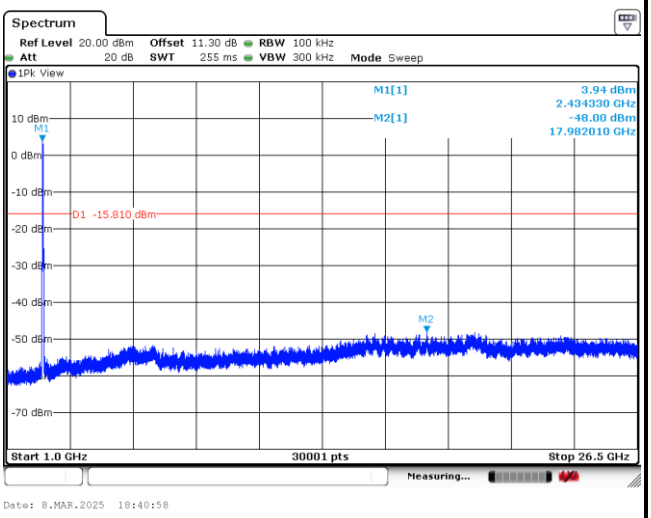
100kHz PSD reference Level	Channel Plot
	
Spurious Emission Plot-1	**Spurious Emission Plot-2**
	

Test Mode :	802.11n HT40	Test Channel :	03

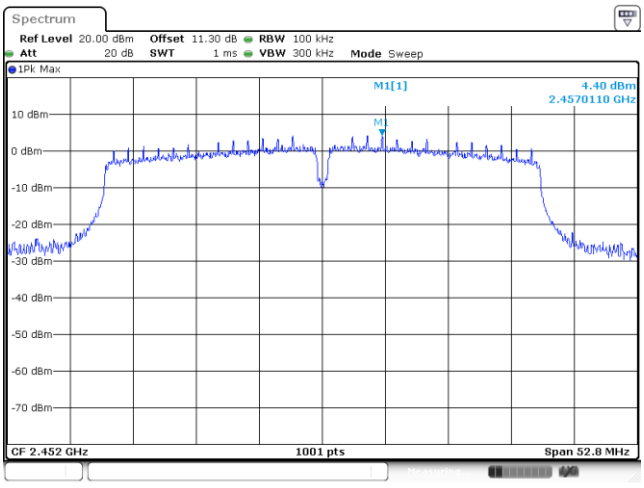
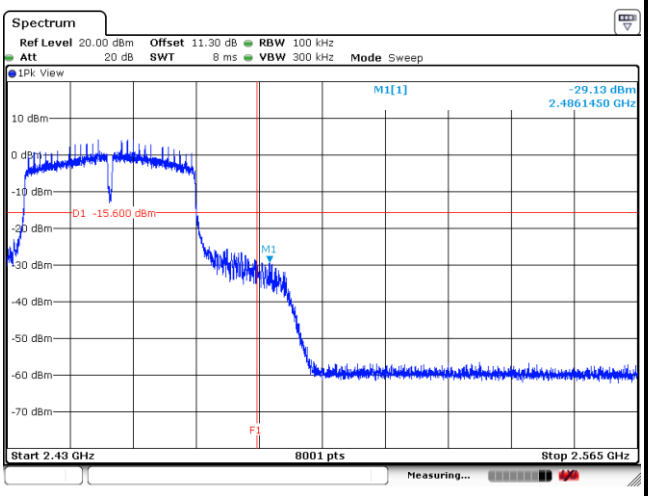
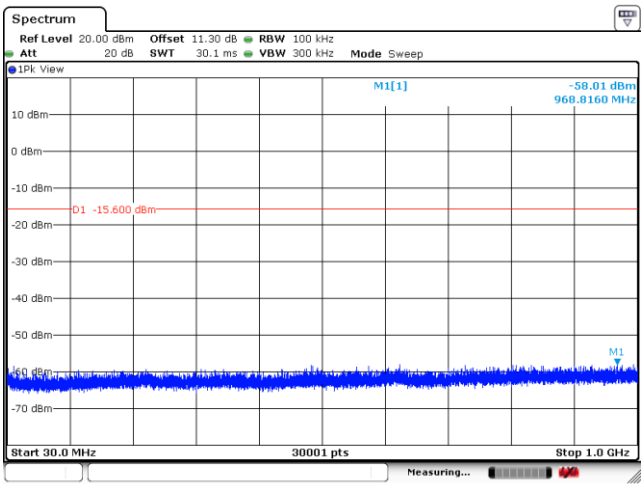
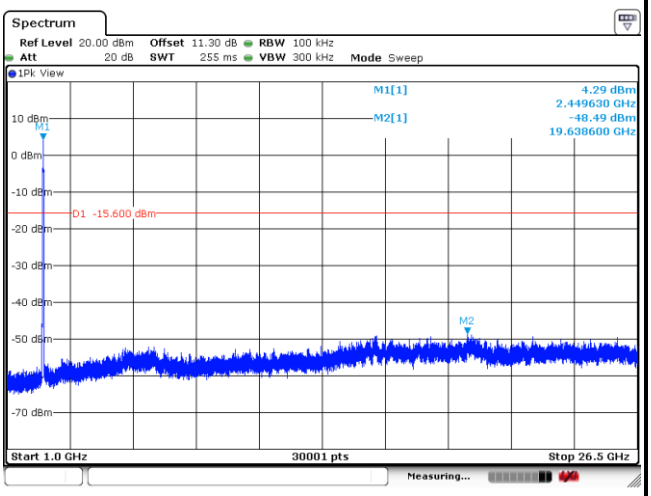
100kHz PSD reference Level	Channel Plot
	
Spurious Emission Plot-1	**Spurious Emission Plot-2**
	

Test Mode :	802.11n HT40	Test Channel :	06

100kHz PSD reference Level	Channel Plot
	

Spurious Emission Plot-1	Spurious Emission Plot-2
	

Test Mode :	802.11n HT40	Test Channel :	09

100kHz PSD reference Level	Channel Plot
	
Spurious Emission Plot-1	**Spurious Emission Plot-2**
	

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

3.5.2 Measuring Instruments

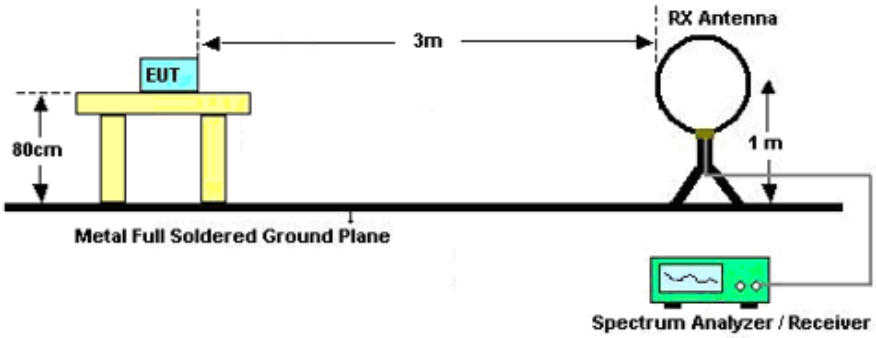
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

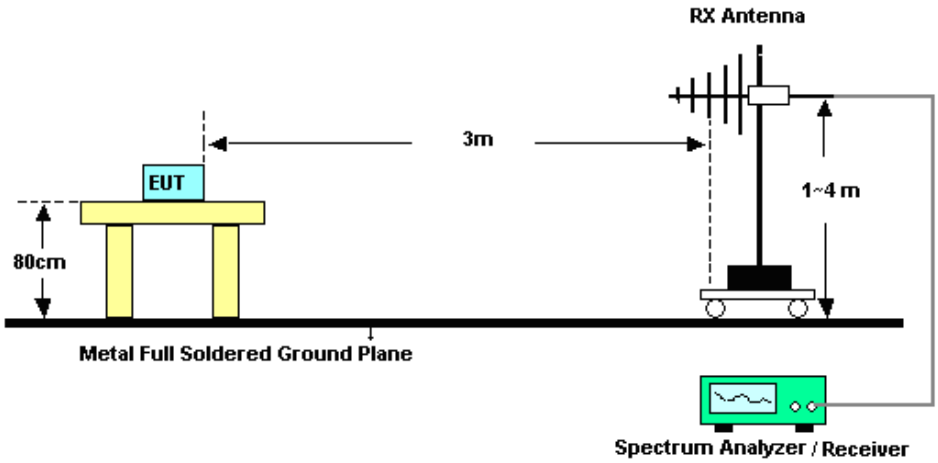
1. The testing follows ANSI C63.10-2013 clause 11.11 & 11.12
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than peak limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
8. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement.
   For average measurement:
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

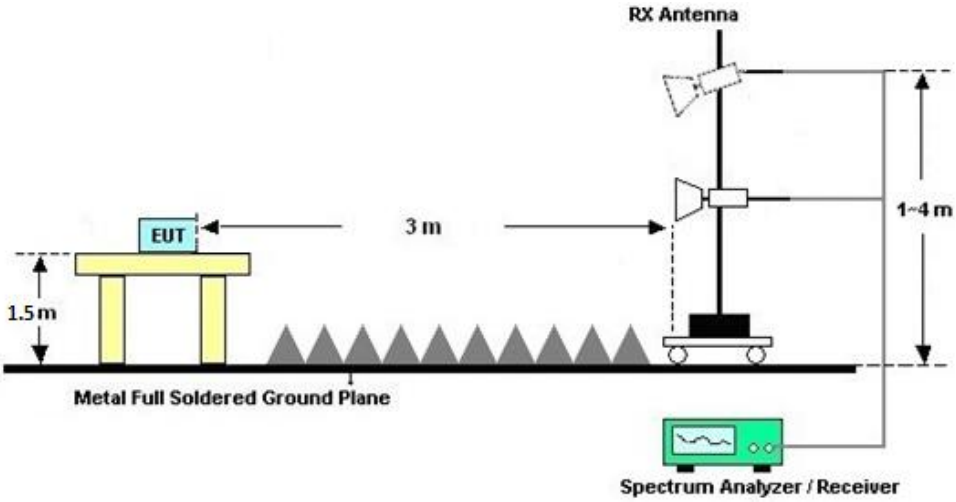
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.5.5 Test Results of Radiated Spurious Emissions (9kHz ~ 30MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

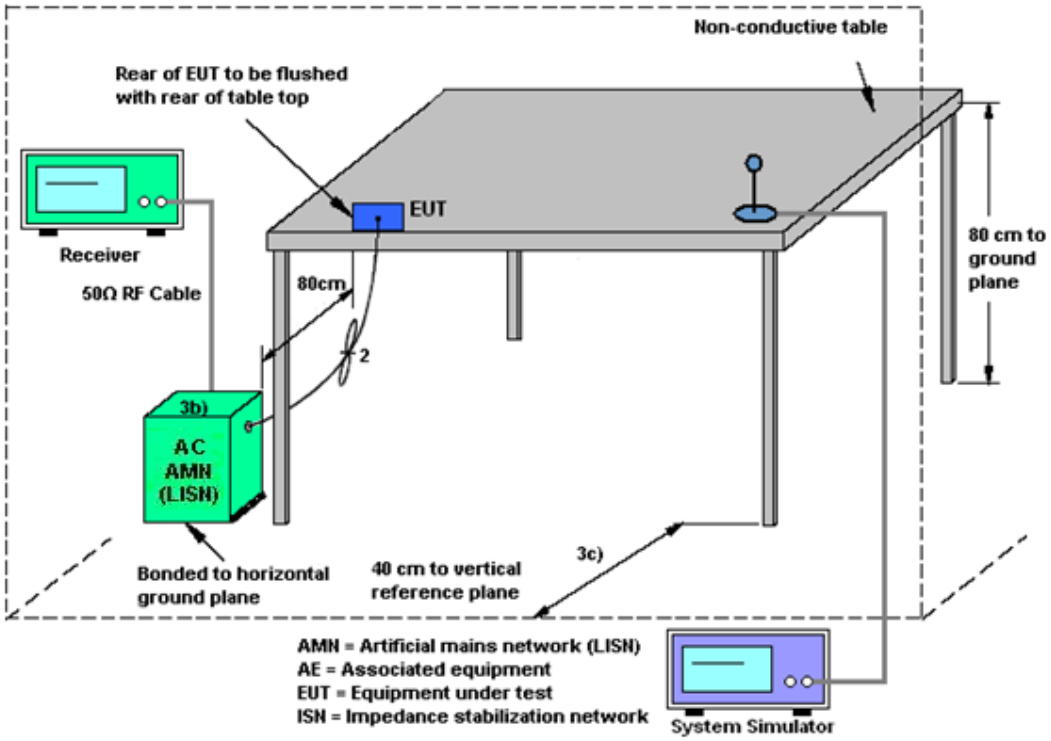
3.6.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

If directional gain of transmitting Antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached Antenna or of an Antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.7.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 10, 2024	Feb. 19, 2025~ Mar. 08, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Pulse Power Senor	Anritsu	MA2411B	0917070	300MHz~40GHz	Jan. 02, 2025	Feb. 19, 2025~ Mar. 08, 2025	Jan. 01, 2026	Conducted (TH01-KS)
Power Meter	Anritsu	ML2495A	1005002	50MHz Bandwidth	Jan. 02, 2025	Feb. 19, 2025~ Mar. 08, 2025	Jan. 01, 2026	Conducted (TH01-KS)
EMI Receiver	R&S	ESR7	102297	9kHz~7GHz;	Jul. 03, 2024	Feb. 26, 2025~ Feb. 27, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC LISN	R&S	ENV216	101499	9kHz~30MHz	Jul. 03, 2024	Feb. 26, 2025~ Feb. 27, 2025	Jul. 02, 2025	Conduction (CO02-SZ)
AC Power Source	CHROMA	61601	616010002470	100Vac~250Vac	Dec.25, 2024	Feb. 26, 2025~ Feb. 27, 2025	Dec. 24, 2025	Conduction (CO02-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 09, 2024	Feb. 25, 2025~ Mar. 09, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
EXA Spectrum Anaiyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 09, 2024	Feb. 25, 2025~ Mar. 09, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Feb. 25, 2025~ Mar. 09, 2025	Dec. 27, 2025	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 20, 2023	Feb. 25, 2025~ Mar. 09, 2025	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 09, 2024	Feb. 25, 2025~ Mar. 09, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Feb. 25, 2025~ Mar. 09, 2025	Jul.02, 2025	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 09, 2024	Feb. 25, 2025~ Mar. 09, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2024	Feb. 25, 2025~ Mar. 09, 2025	Oct. 17, 2025	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 14, 2024	Feb. 25, 2025~ Mar. 09, 2025	Oct. 13, 2025	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27, 2024	Feb. 25, 2025~ Mar. 09, 2025	Dec. 26, 2025	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2024	Feb. 25, 2025~ Mar. 09, 2025	Oct. 17, 2025	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Feb. 25, 2025~ Mar. 09, 2025	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Feb. 25, 2025~ Mar. 09, 2025	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

5 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Conducted Spurious Emission & Bandedge	**±2.22 dB**
Occupied Channel Bandwidth	**±0.1%**
Conducted Power	**±0.50 dB**
Conducted Power Spectral Density	**±0.90 dB**
Frequency	**±0.04 Hz**

Uncertainty of AC Conducted Emission Measurement (0.15 MHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.5 dB**

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0 dB**

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0 dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.9 dB**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.0 dB**

---------- THE END ----------

Appendix A. Conducted Test Results

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Wang xiao	Temperature:	21~25	°C
Test Date:	2025/2/19~2025/3/8	Relative Humidity:	51~54	%

Report Number : FR520602C

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
					Ant 6	Ant 6		
11b	1Mbps	1	1	2412	12.86	8.08	0.50	Pass
11b	1Mbps	1	6	2437	13.17	8.60	0.50	Pass
11b	1Mbps	1	11	2462	13.11	8.12	0.50	Pass
11g	6Mbps	1	1	2412	17.04	15.16	0.50	Pass
11g	6Mbps	1	6	2437	17.03	15.16	0.50	Pass
11g	6Mbps	1	11	2462	17.01	14.42	0.50	Pass
HT20	MCS0	1	1	2412	18.00	16.00	0.50	Pass
HT20	MCS0	1	6	2437	18.08	15.18	0.50	Pass
HT20	MCS0	1	11	2462	18.02	15.18	0.50	Pass
HT40	MCS0	1	3	2422	36.83	33.96	0.50	Pass
HT40	MCS0	1	6	2437	37.31	35.24	0.50	Pass
HT40	MCS0	1	9	2452	36.84	35.20	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail	Setting
					Ant 6	Ant 6	Ant 6	Ant 6	Ant 6		Ant 6
11b	1Mbps	1	1	2412	19.20	30.00	-5.20	14.00	36.00	Pass	19.00
11b	1Mbps	1	6	2437	19.60	30.00	-5.20	14.40	36.00	Pass	19.00
11b	1Mbps	1	11	2462	19.20	30.00	-5.20	14.00	36.00	Pass	19.00
11g	6Mbps	1	1	2412	17.20	30.00	-5.20	12.00	36.00	Pass	17.50
11g	6Mbps	1	6	2437	18.90	30.00	-5.20	13.70	36.00	Pass	19.00
11g	6Mbps	1	11	2462	17.60	30.00	-5.20	12.40	36.00	Pass	18.00
HT20	MCS0	1	1	2412	17.10	30.00	-5.20	11.90	36.00	Pass	17.50
HT20	MCS0	1	6	2437	18.90	30.00	-5.20	13.70	36.00	Pass	19.00
HT20	MCS0	1	11	2462	16.70	30.00	-5.20	11.50	36.00	Pass	17.00
HT40	MCS0	1	3	2422	14.60	30.00	-5.20	9.40	36.00	Pass	14.50
HT40	MCS0	1	6	2437	17.10	30.00	-5.20	11.90	36.00	Pass	17.00
HT40	MCS0	1	9	2452	14.60	30.00	-5.20	9.40	36.00	Pass	14.50
VHT20	MCS0	1	1	2412	17.00	30.00	-5.20	11.80	36.00	Pass	17.50
VHT20	MCS0	1	6	2437	18.80	30.00	-5.20	13.60	36.00	Pass	19.00
VHT20	MCS0	1	11	2462	16.60	30.00	-5.20	11.40	36.00	Pass	17.00
VHT40	MCS0	1	3	2422	14.50	30.00	-5.20	9.30	36.00	Pass	14.50
VHT40	MCS0	1	6	2437	17.00	30.00	-5.20	11.80	36.00	Pass	17.00
VHT40	MCS0	1	9	2452	14.50	30.00	-5.20	9.30	36.00	Pass	14.50

Note: Measured power (dBm) has offset with cable loss.

TEST RESULTS DATA
Peak Output Power

2.4GHz Band										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
					Ant 6	Ant 6	Ant 6	Ant 6	Ant 6	
11b	1Mbps	1	1	2412	21.22	30.00	-5.20	16.02	36.00	Pass
11b	1Mbps	1	6	2437	21.83	30.00	-5.20	16.63	36.00	Pass
11b	1Mbps	1	11	2462	21.34	30.00	-5.20	16.14	36.00	Pass
11g	6Mbps	1	1	2412	24.62	30.00	-5.20	19.42	36.00	Pass
11g	6Mbps	1	6	2437	25.20	30.00	-5.20	20.00	36.00	Pass
11g	6Mbps	1	11	2462	24.81	30.00	-5.20	19.61	36.00	Pass
HT20	MCS0	1	1	2412	24.60	30.00	-5.20	19.40	36.00	Pass
HT20	MCS0	1	6	2437	25.27	30.00	-5.20	20.07	36.00	Pass
HT20	MCS0	1	11	2462	24.66	30.00	-5.20	19.46	36.00	Pass
HT40	MCS0	1	3	2422	24.53	30.00	-5.20	19.33	36.00	Pass
HT40	MCS0	1	6	2437	25.27	30.00	-5.20	20.07	36.00	Pass
HT40	MCS0	1	9	2452	24.08	30.00	-5.20	18.88	36.00	Pass
VHT20	MCS0	1	1	2412	24.57	30.00	-5.20	19.37	36.00	Pass
VHT20	MCS0	1	6	2437	25.17	30.00	-5.20	19.97	36.00	Pass
VHT20	MCS0	1	11	2462	24.53	30.00	-5.20	19.33	36.00	Pass
VHT40	MCS0	1	3	2422	24.44	30.00	-5.20	19.24	36.00	Pass
VHT40	MCS0	1	6	2437	24.97	30.00	-5.20	19.77	36.00	Pass
VHT40	MCS0	1	9	2452	23.98	30.00	-5.20	18.78	36.00	Pass

Note: Measured power (dBm) has offset with cable loss.

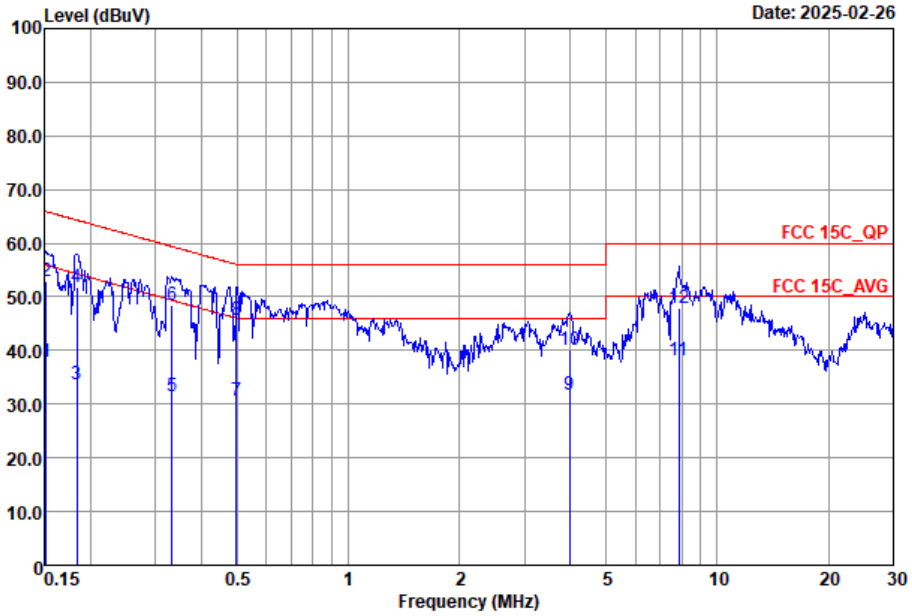
TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)	DG (dBi)	Peak PSD Limit (dBm/3kHz)	Pass/Fail
					Ant 6	Ant 6	Ant 6	
11b	1Mbps	1	1	2412	-4.17	-5.20	8.00	Pass
11b	1Mbps	1	6	2437	-2.56	-5.20	8.00	Pass
11b	1Mbps	1	11	2462	-2.80	-5.20	8.00	Pass
11g	6Mbps	1	1	2412	-5.76	-5.20	8.00	Pass
11g	6Mbps	1	6	2437	-6.05	-5.20	8.00	Pass
11g	6Mbps	1	11	2462	-6.16	-5.20	8.00	Pass
HT20	MCS0	1	1	2412	-6.89	-5.20	8.00	Pass
HT20	MCS0	1	6	2437	-5.97	-5.20	8.00	Pass
HT20	MCS0	1	11	2462	-5.80	-5.20	8.00	Pass
HT40	MCS0	1	3	2422	-10.82	-5.20	8.00	Pass
HT40	MCS0	1	6	2437	-10.26	-5.20	8.00	Pass
HT40	MCS0	1	9	2452	-9.46	-5.20	8.00	Pass

Measured power density (dBm) has offset with cable loss.

Appendix B. AC Conducted Emission Test Results

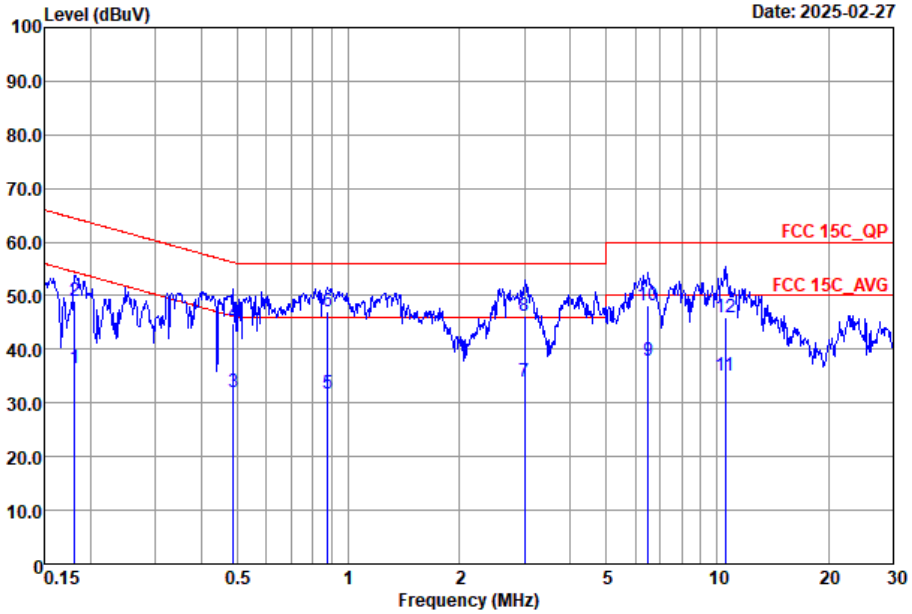
Test Engineer :	Nathon	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO02-SZ
Condition : FCC 15C_QP LISN_2025-L LINE

		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	37.75	-18.16	55.91	17.90	9.66	10.19	Average
2		0.15	52.85	-13.06	65.91	33.00	9.66	10.19	QP
3		0.18	33.58	-20.75	54.33	13.71	9.69	10.18	Average
4		0.18	51.88	-12.45	64.33	32.01	9.69	10.18	QP
5		0.33	31.45	-17.95	49.40	11.50	9.74	10.21	Average
6		0.33	48.45	-10.95	59.40	28.50	9.74	10.21	QP
7		0.50	30.72	-15.33	46.05	10.80	9.68	10.24	Average
8	*	0.50	45.62	-10.43	56.05	25.70	9.68	10.24	QP
9		3.99	31.83	-14.17	46.00	11.90	9.66	10.27	Average
10		3.99	40.23	-15.77	56.00	20.30	9.66	10.27	QP
11		7.85	38.15	-11.85	50.00	18.31	9.63	10.21	Average
12		7.85	47.85	-12.15	60.00	28.01	9.63	10.21	QP

Test Engineer :	Nathon	**Temperature :**	22~24℃
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	**Phase :**	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO02-SZ
Condition : FCC 15C_QP LISN_2025-N NEUTRAL

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.18	36.48	-17.94	54.42	16.51	9.79	10.18	Average
2	0.18	48.98	-15.44	64.42	29.01	9.79	10.18	QP
3	0.49	32.09	-14.10	46.19	11.80	10.05	10.24	Average
4	0.49	44.89	-11.30	56.19	24.60	10.05	10.24	QP
5	0.88	31.86	-14.14	46.00	11.90	9.73	10.23	Average
6 *	0.88	46.96	-9.04	56.00	27.00	9.73	10.23	QP
7	3.01	33.94	-12.06	46.00	14.00	9.68	10.26	Average
8	3.01	46.34	-9.66	56.00	26.40	9.68	10.26	QP
9	6.49	37.99	-12.01	50.00	18.00	9.75	10.24	Average
10	6.49	48.09	-11.91	60.00	28.10	9.75	10.24	QP
11	10.51	35.12	-14.88	50.00	15.30	9.63	10.19	Average
12	10.51	46.02	-13.98	60.00	26.20	9.63	10.19	QP

Note:

1. Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
2. Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)

Appendix C Radiated Spurious Emission Test Data

Test Engineer :	ZhangXu	Relative Humidity :	48~49%
		Temperature :	24℃-25℃

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Sample
Mode 1	2400-2483.5	6	802.11b	01	2412	1Mbps	-	1
Mode 2	2400-2483.5	6	802.11b	06	2437	1Mbps	-	1
Mode 3	2400-2483.5	6	802.11b	11	2462	1Mbps	-	1
Mode 4	2400-2483.5	6	802.11g	01	2412	6Mbps	-	1
Mode 5	2400-2483.5	6	802.11g	06	2437	6Mbps	-	1
Mode 6	2400-2483.5	6	802.11g	11	2462	6Mbps	-	1
Mode 7	2400-2483.5	6	802.11n HT20	01	2412	MCS0	-	1
Mode 8	2400-2483.5	6	802.11n HT20	06	2437	MCS0	-	1
Mode 9	2400-2483.5	6	802.11n HT20	11	2462	MCS0	-	1
Mode 10	2400-2483.5	6	802.11n HT40	03	2422	MCS0	-	1
Mode 11	2400-2483.5	6	802.11n HT40	06	2437	MCS0	-	1
Mode 12	2400-2483.5	6	802.11n HT40	09	2452	MCS0	-	1
Mode 13	2400-2483.5	6	802.11n HT40	03	2422	MCS0	-	1-LF
Mode 14	2400-2483.5	6	802.11n HT40	03	2422	MCS0	-	2
Mode 15	2400-2483.5	6	802.11n HT40	03	2422	MCS0	-	3

Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11b	01	2385.53	40.76	54.00	-13.24	H	AVERAGE	Pass	Band Edge
1	802.11b	01	4824.00	47.54	54.00	-6.46	H	Average	Pass	Harmonic
2	802.11b	06	2483.68	39.61	54.00	-14.39	H	AVERAGE	Pass	Band Edge
2	802.11b	06	4874.00	47.59	54.00	-6.41	H	Average	Pass	Harmonic
3	802.11b	11	2487.80	43.59	54.00	-10.41	H	AVERAGE	Pass	Band Edge
3	802.11b	11	4924.00	45.67	54.00	-8.33	H	Average	Pass	Harmonic
4	802.11g	01	2389.95	49.60	54.00	-4.40	H	AVERAGE	Pass	Band Edge
4	802.11g	01	4824.00	44.67	74.00	-29.33	V	Peak	Pass	Harmonic
5	802.11g	06	2484.31	41.01	54.00	-12.99	H	AVERAGE	Pass	Band Edge
5	802.11g	06	7311.00	44.19	74.00	-29.81	H	Peak	Pass	Harmonic
6	802.11g	11	2483.51	49.80	54.00	-4.20	H	AVERAGE	Pass	Band Edge
6	802.11g	11	4924.00	44.66	74.00	-29.34	H	Peak	Pass	Harmonic
7	802.11n HT20	01	2389.95	49.71	54.00	-4.29	V	AVERAGE	Pass	Band Edge
7	802.11n HT20	01	4824.00	42.73	74.00	-31.27	V	Peak	Pass	Harmonic
8	802.11n HT20	06	2483.56	42.85	54.00	-11.15	H	AVERAGE	Pass	Band Edge
8	802.11n HT20	06	7311.00	45.26	74.00	-28.74	V	Peak	Pass	Harmonic
9	802.11n HT20	11	2483.58	48.48	54.00	-5.52	V	AVERAGE	Pass	Band Edge
9	802.11n HT20	11	7386.00	43.64	74.00	-30.36	H	Peak	Pass	Harmonic
10	802.11n HT40	03	2389.74	50.94	54.00	-3.06	H	AVERAGE	Pass	Band Edge
10	802.11n HT40	03	7266.00	46.21	74.00	-27.79	V	Peak	Pass	Harmonic
11	802.11n HT40	06	2483.56	49.67	54.00	-4.33	H	AVERAGE	Pass	Band Edge
11	802.11n HT40	06	-	-	-	-	-	-	-	Harmonic
12	802.11n HT40	09	2483.54	47.50	54.00	-6.50	H	AVERAGE	Pass	Band Edge
12	802.11n HT40	09	-	-	-	-	-	-	-	Harmonic
13	802.11n HT40	03	46.49	32.43	40.00	-7.57	V	Peak	Pass	LF
14	802.11n HT40	03	2389.74	50.91	54.00	-3.09	H	AVERAGE	Pass	Band Edge
14	802.11n HT40	03	7266.00	46.21	74.00	-27.79	V	Peak	Pass	Harmonic
15	802.11n HT40	03	2389.41	49.52	54.00	-4.48	V	AVERAGE	Pass	Band Edge
15	802.11n HT40	03	7266.00	44.79	74.00	-29.21	H	Peak	Pass	Harmonic

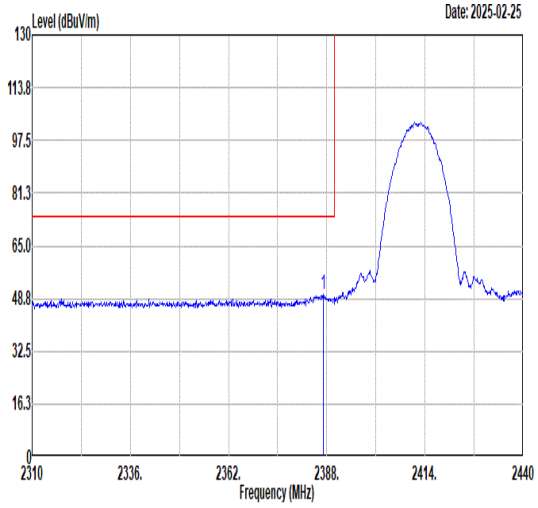
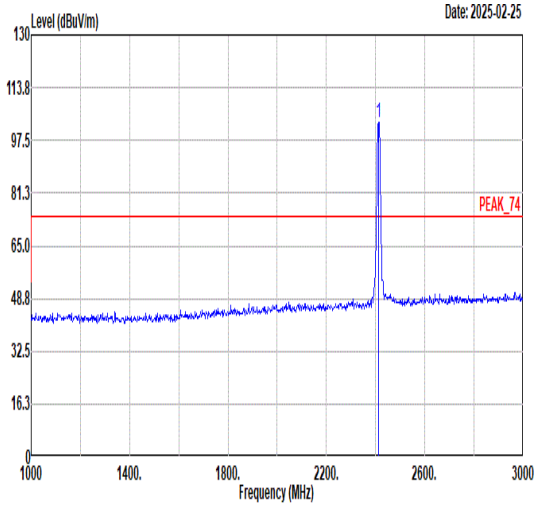
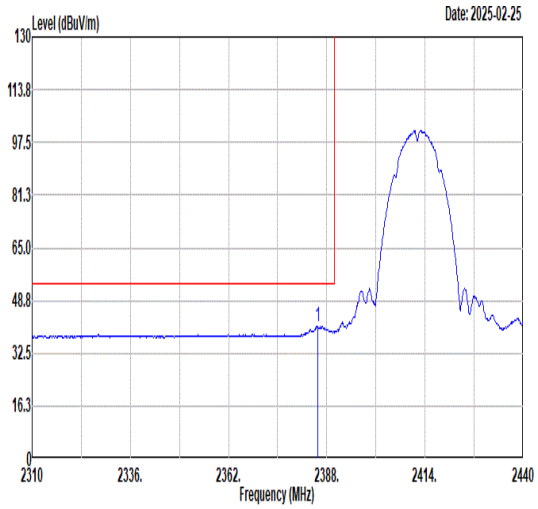
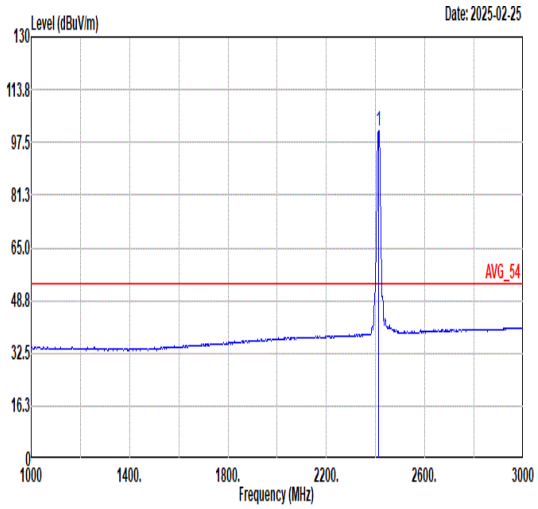
Co-location

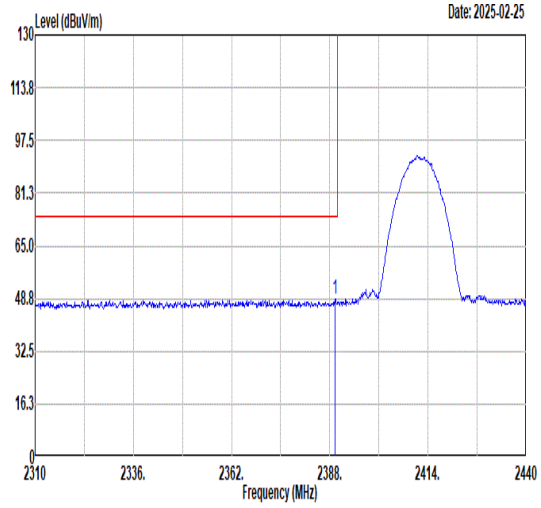
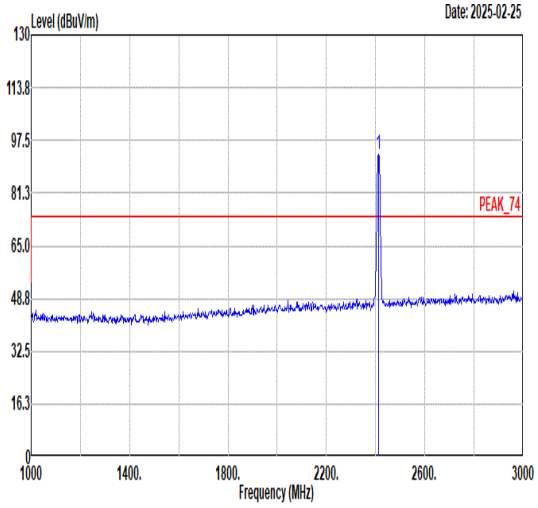
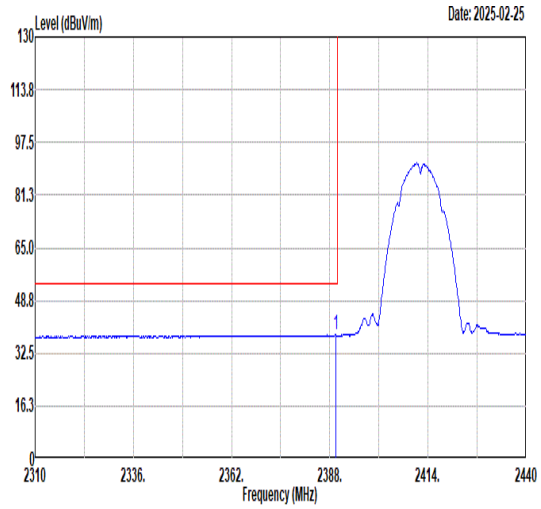
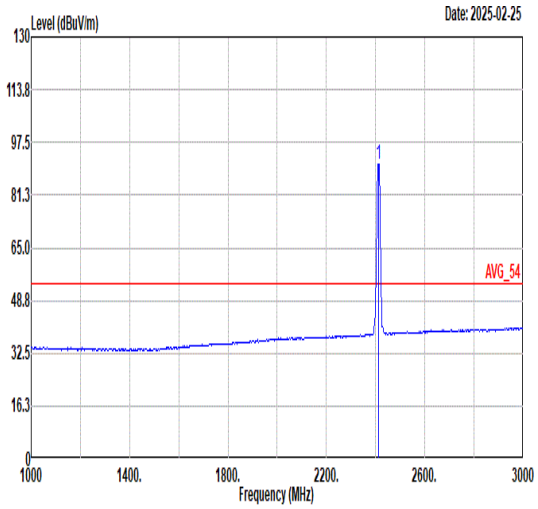
Radiated Spurious Emission Test Modes

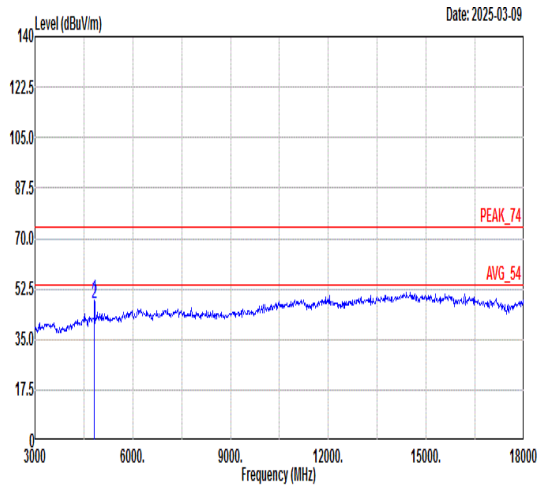
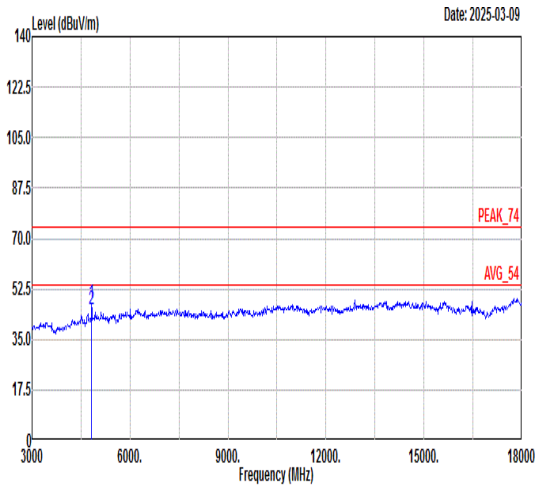
Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Sample
Mode 26 CO-TX	2400-2483.5	6	802.11n HT40	03	2422	MCS0	-	1
	LTE	1	B41 LINK					1

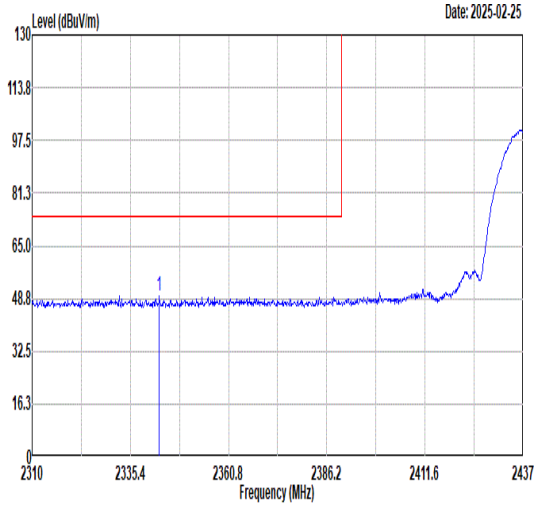
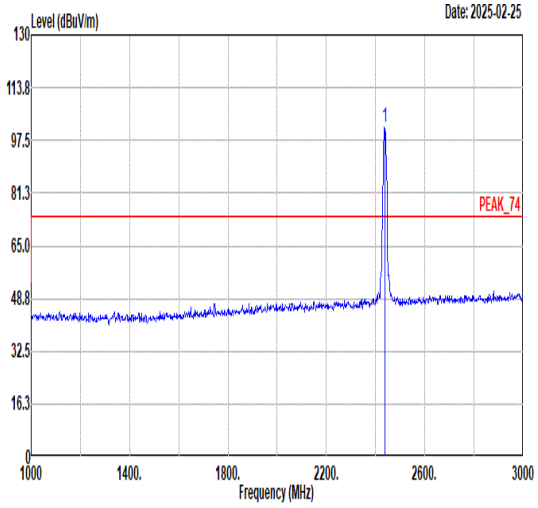
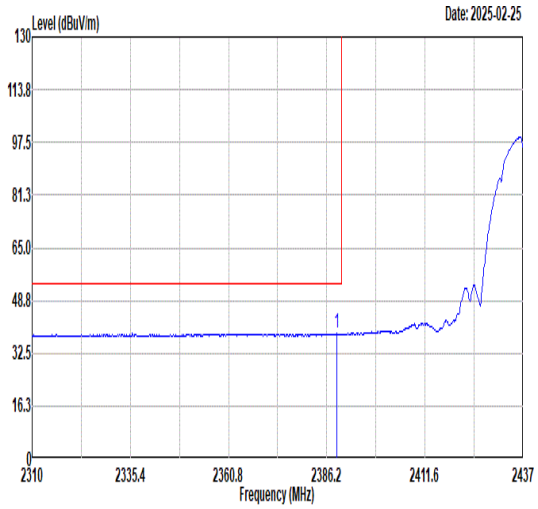
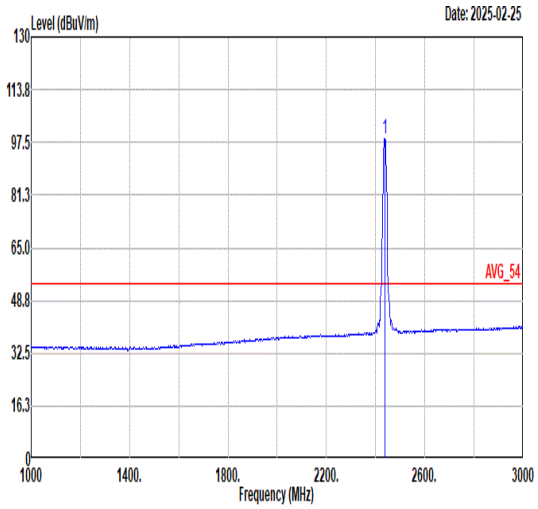
Summary of each worse mode

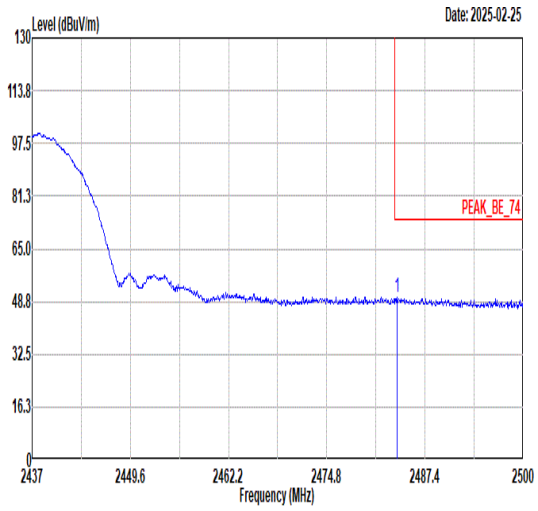
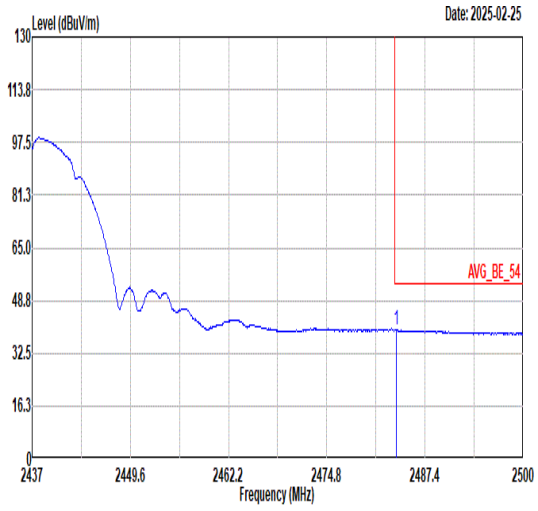
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
26 CO-TX	802.11n HT40	03	2389.97	50.82	54.00	-3.18	V	AVERAGE	Pass	Band Edge
	802.11n HT40	03	7266.00	43.96	74.00	-30.04	V	Peak	Pass	Harmonic

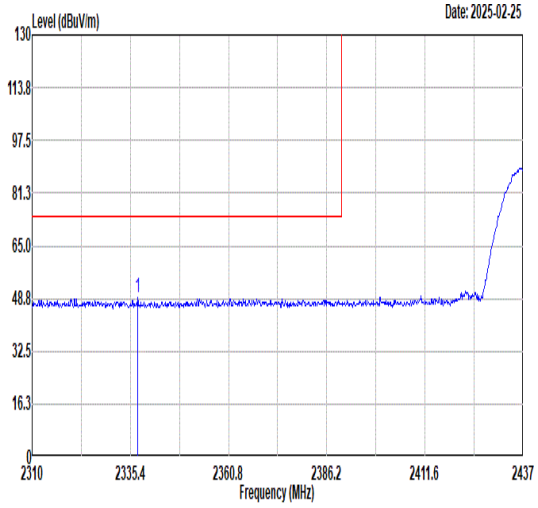
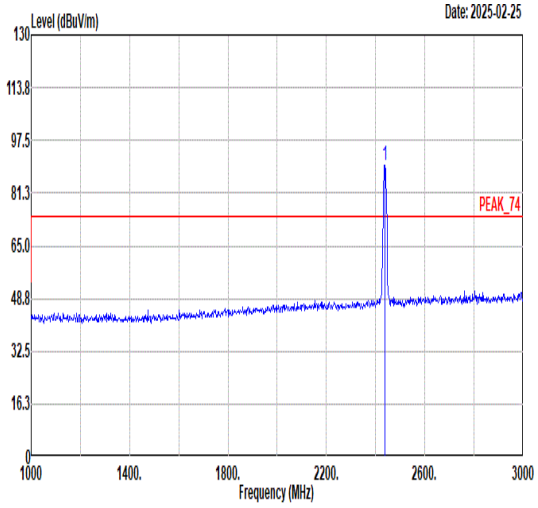
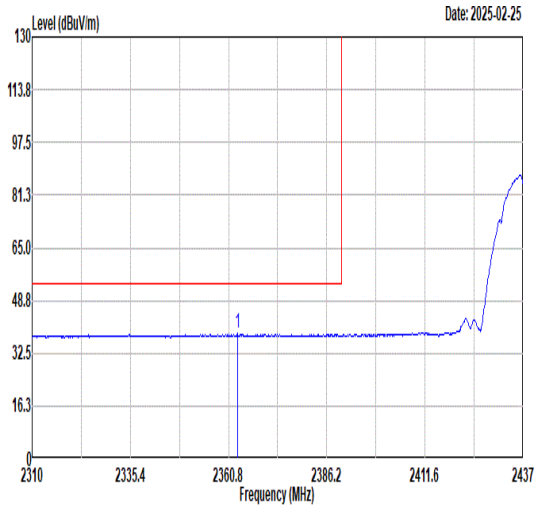
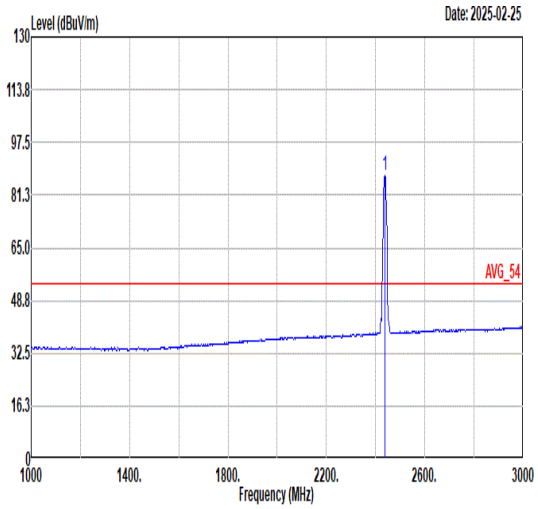
Mode	1	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2387.09 50.04 74.00 -23.96 48.53 30.43 4.79 33.71 100 278 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 103.23 ------ ------ 101.62 30.45 4.82 33.66 100 278 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2385.53 40.76 54.00 -13.24 39.25 30.43 4.79 33.71 100 278 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 100.94 ------ ------ 99.33 30.45 4.82 33.66 100 278 AVERAGE

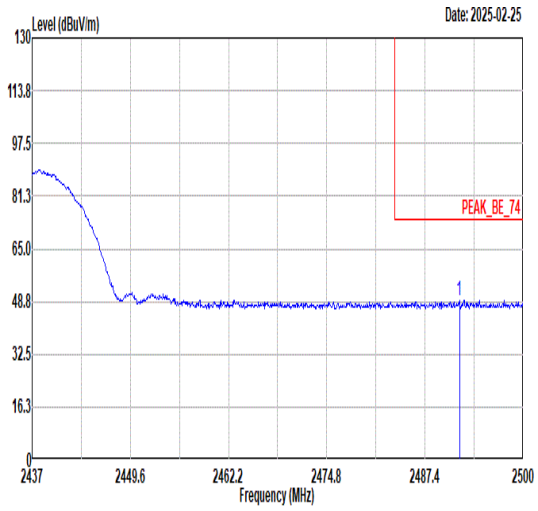
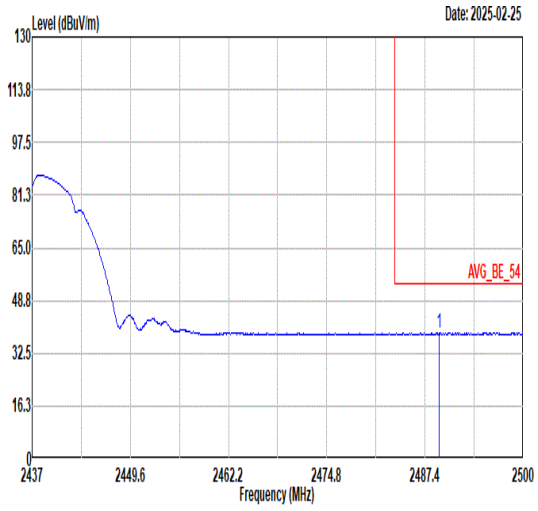
Mode	1	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.30 48.39 74.00 -25.61 46.87 30.44 4.79 33.71 108 10 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 93.32 ------ ------ 91.71 30.45 4.82 33.66 108 10 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.56 38.27 54.00 -15.73 36.73 30.44 4.80 33.70 108 10 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2412.00 90.93 ------ ------ 89.32 30.45 4.82 33.66 108 10 AVERAGE

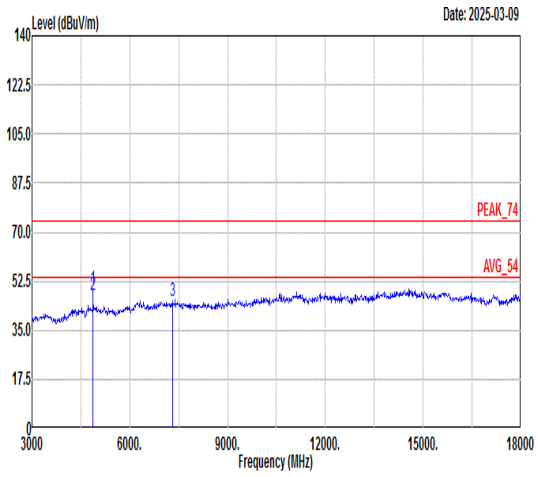
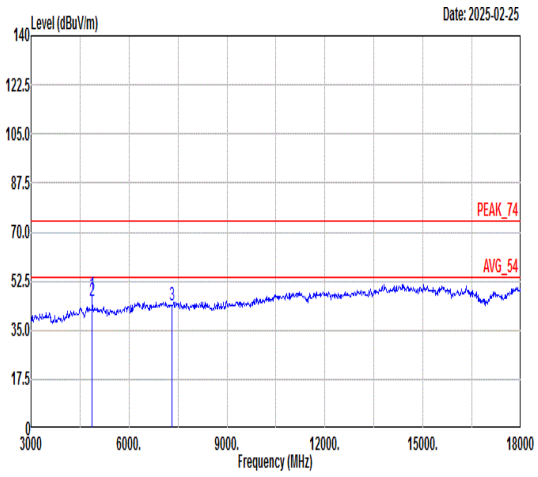
Mode	1	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 49.24 74.00 -24.76 68.78 36.42 8.88 64.84 100 39 Peak 2 4824.00 47.54 54.00 -6.46 67.08 36.42 8.88 64.84 100 39 Average	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 47.36 74.00 -26.64 66.90 36.42 8.88 64.84 100 125 Peak 2 4824.00 45.54 54.00 -8.46 65.08 36.42 8.88 64.84 100 125 Average

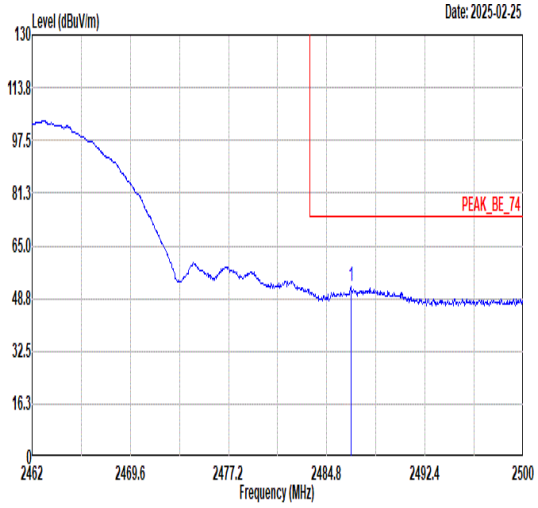
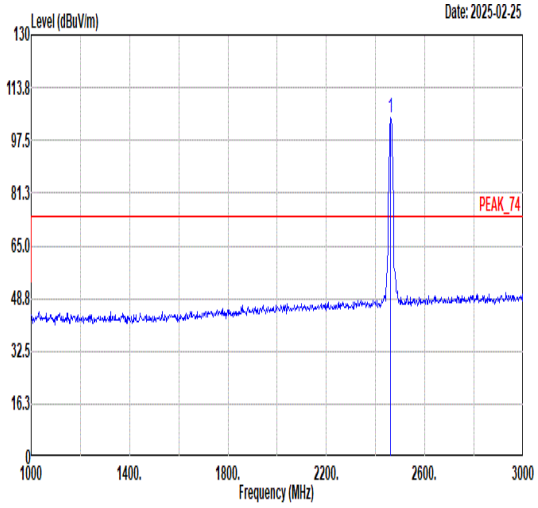
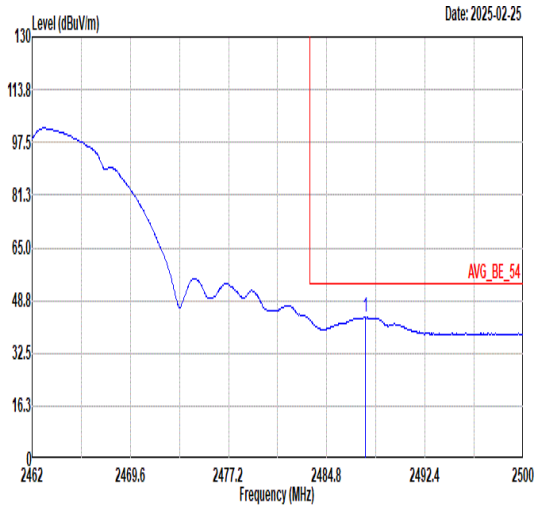
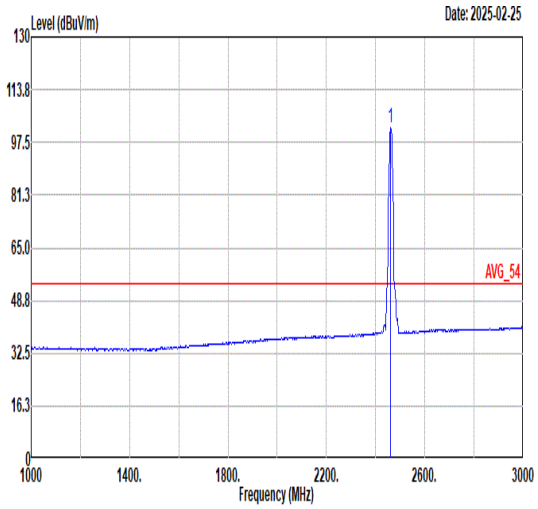
Mode	2	
	Band Edge - L	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2342.89 49.40 74.00 -24.60 48.03 30.41 4.75 33.79 300 273 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 101.34 ------ ------ 99.65 30.46 4.85 33.62 300 273 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.87 38.67 54.00 -15.33 37.16 30.43 4.79 33.71 300 273 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 98.84 ------ ------ 97.14 30.46 4.86 33.62 300 273 AVERAGE

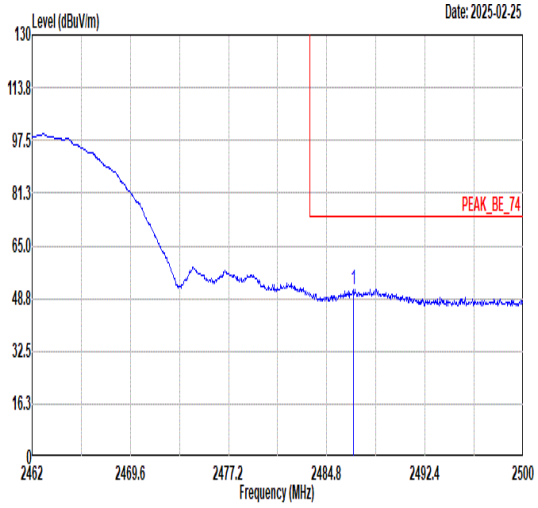
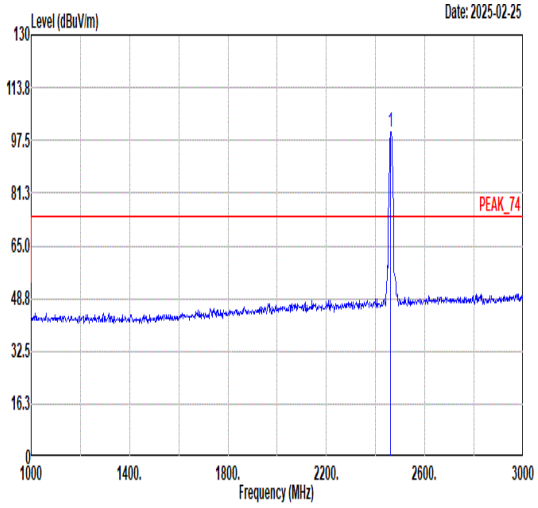
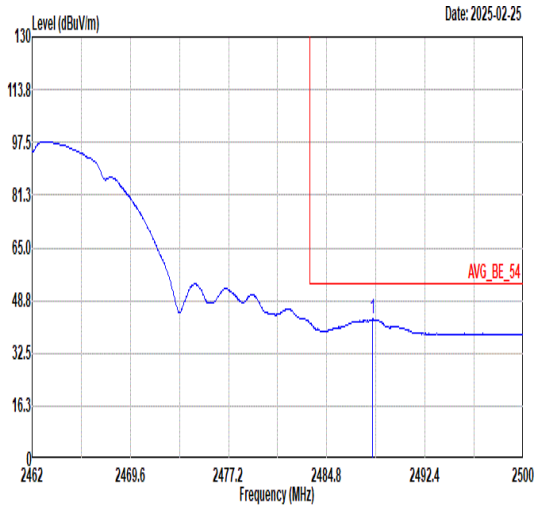
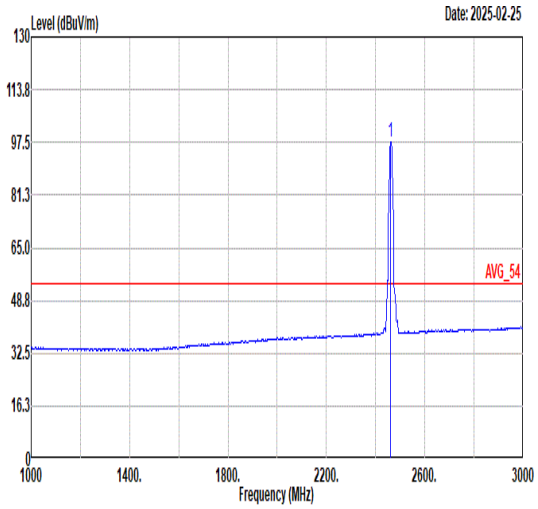
Mode	2	
	Band Edge - R	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.81 49.85 74.00 -24.15 47.97 30.49 4.92 33.53 300 273 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.68 39.61 54.00 -14.39 37.73 30.49 4.92 33.53 300 273 AVERAGE	Blank

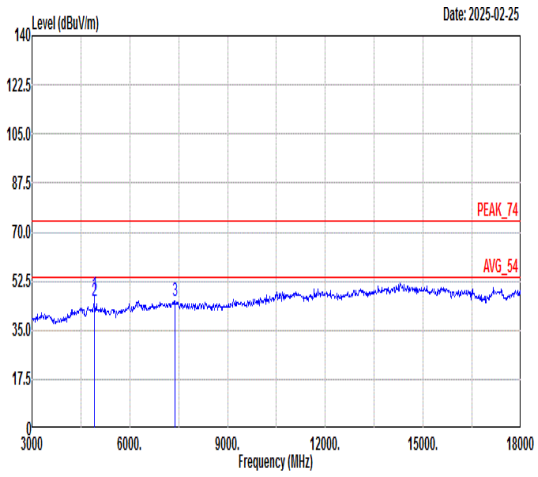
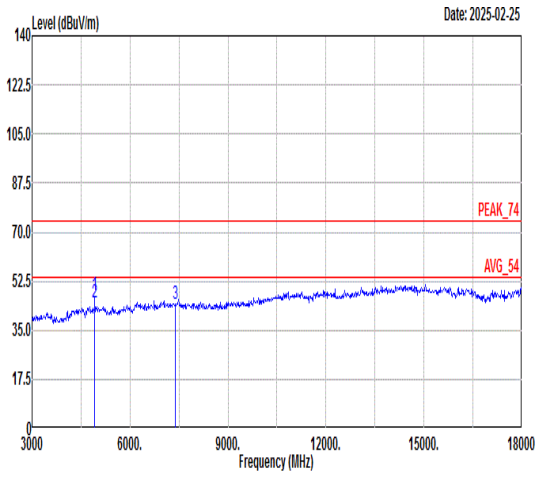
Mode	2	
	Band Edge - L	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2337.31 48.93 74.00 -25.07 47.59 30.40 4.74 33.80 300 13 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 89.64 ------ ------ 87.94 30.46 4.86 33.62 300 13 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2363.09 38.56 54.00 -15.44 37.12 30.42 4.77 33.75 300 13 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 87.50 ------ ------ 85.80 30.46 4.86 33.62 300 13 AVERAGE

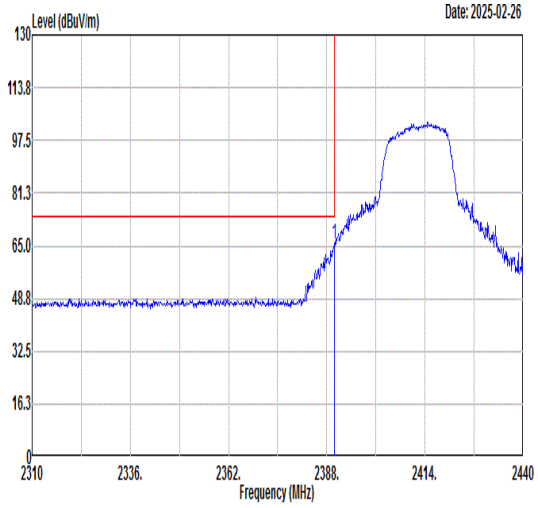
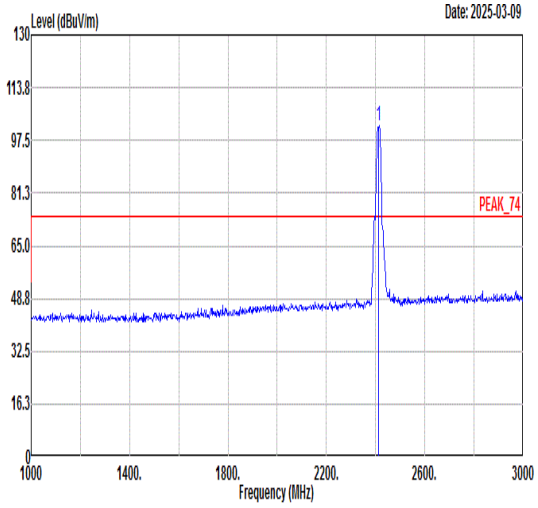
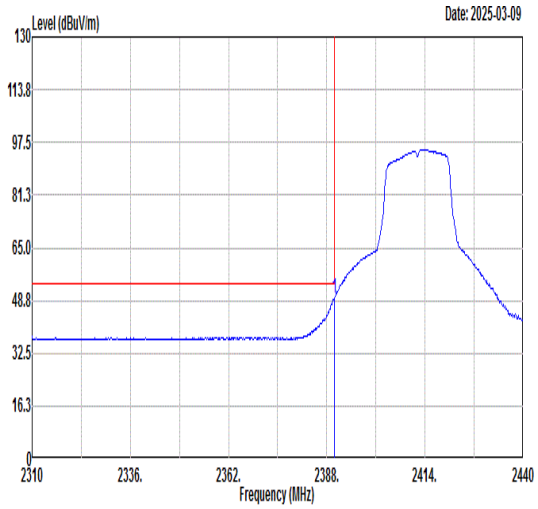
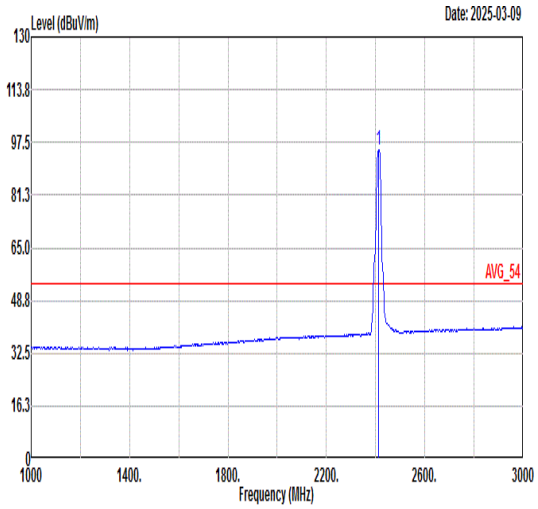
Mode	2	
	Band Edge - R	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2491.81 49.14 74.00 -24.86 47.23 30.50 4.93 33.52 300 13 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2489.23 38.79 54.00 -15.21 36.88 30.50 4.93 33.52 300 13 AVERAGE	Blank

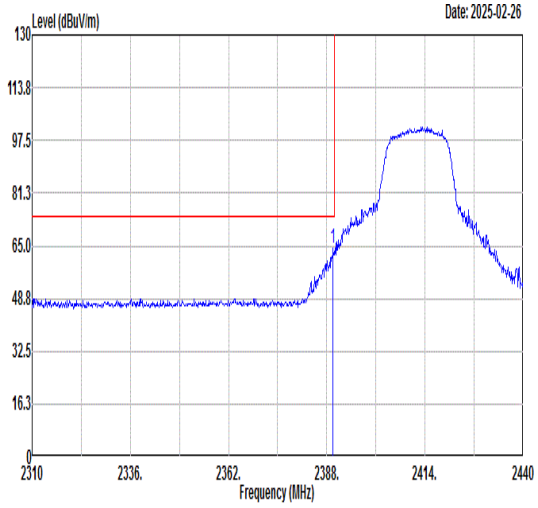
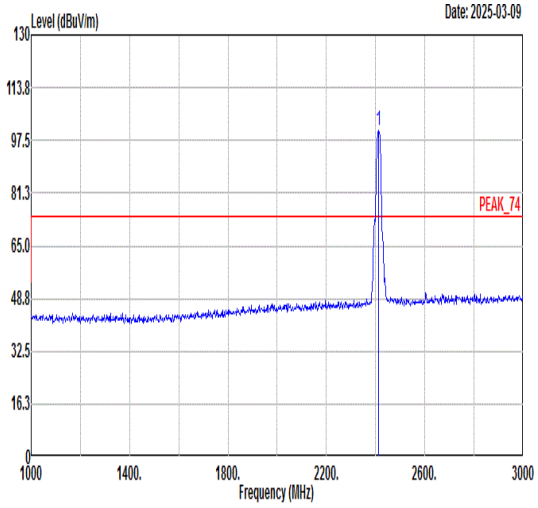
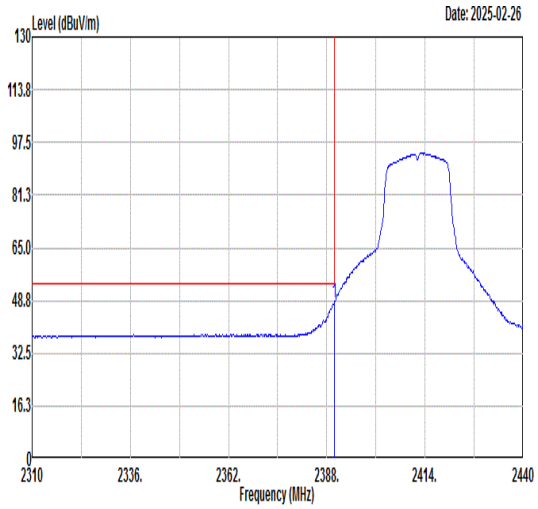
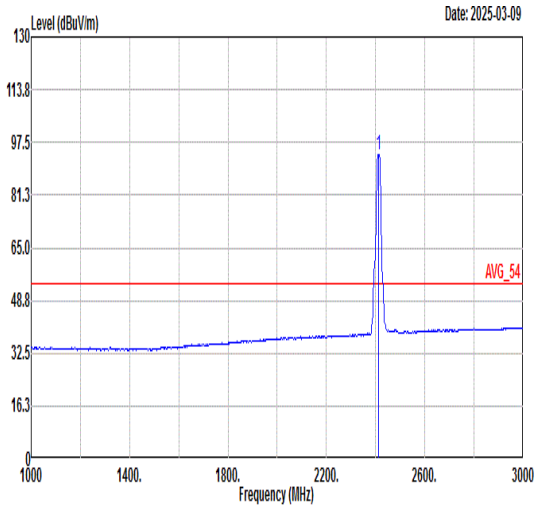
Mode	2	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 49.40 74.00 -24.60 69.01 36.50 8.72 64.83 100 103 Peak 2 4874.00 47.59 54.00 -6.41 67.20 36.50 8.72 64.83 100 103 Average 3 7311.00 45.20 74.00 -28.80 63.14 36.89 10.18 65.01 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 47.68 74.00 -26.32 67.29 36.50 8.72 64.83 105 13 Peak 2 4874.00 45.45 54.00 -8.55 65.06 36.50 8.72 64.83 105 13 Average 3 7311.00 43.80 74.00 -30.20 61.74 36.89 10.18 65.01 --- --- Peak

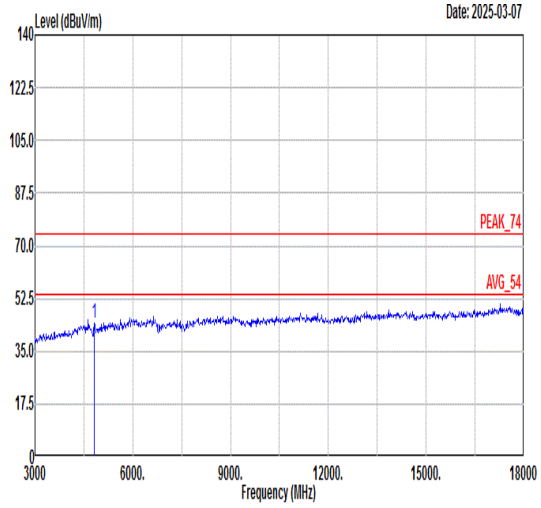
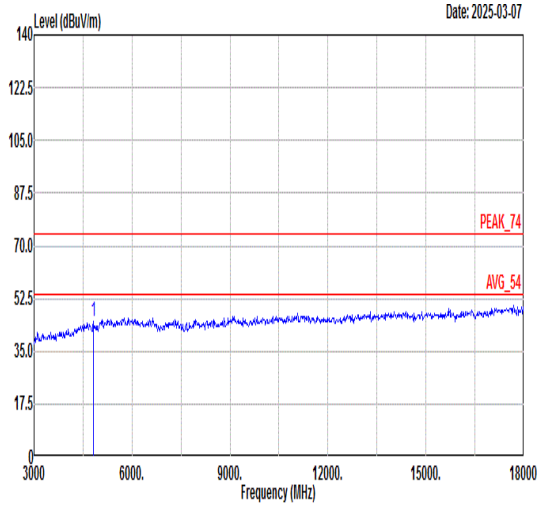
Mode	3	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.66 52.40 74.00 -21.60 50.52 30.49 4.92 33.53 339 271 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 104.41 ------ ------ 102.61 30.48 4.89 33.57 339 271 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2487.80 43.59 54.00 -10.41 41.69 30.50 4.93 33.53 339 271 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 101.98 ------ ------ 100.18 30.48 4.89 33.57 339 271 AVERAGE

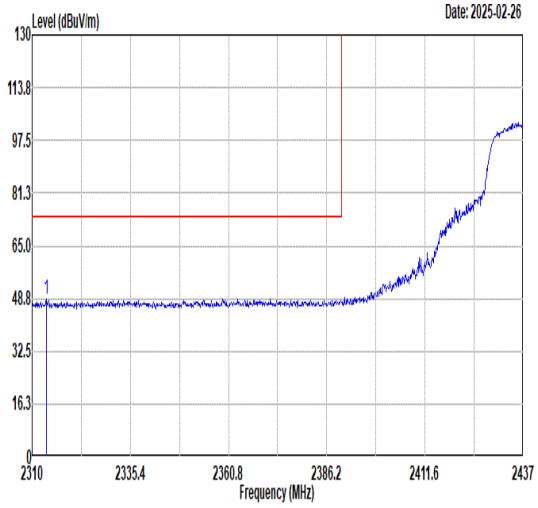
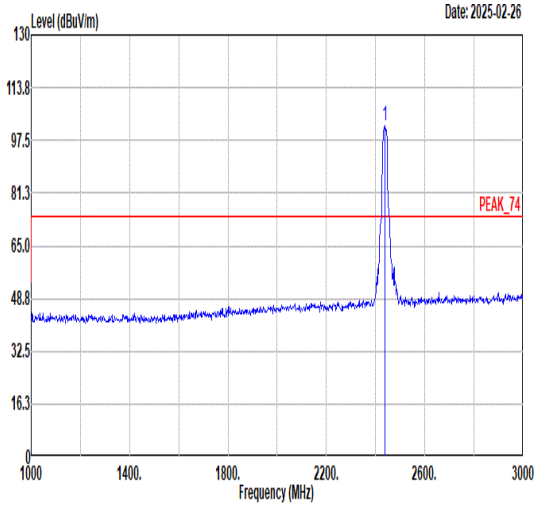
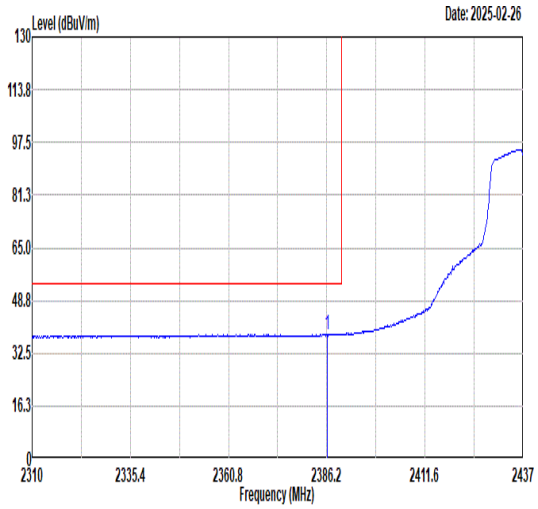
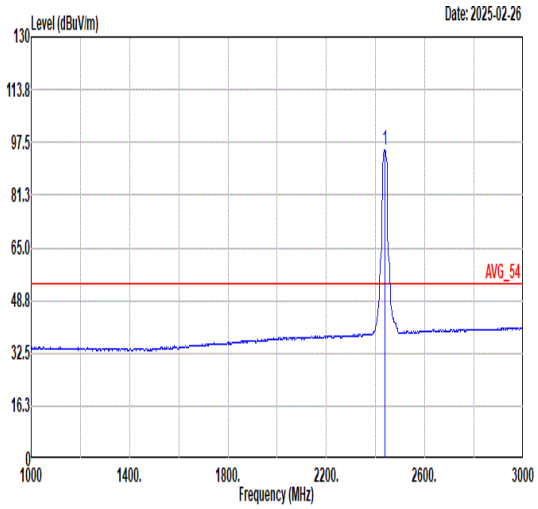
Mode	3	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2486.85 51.73 74.00 -22.27 49.85 30.49 4.92 33.53 384 240 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 100.06 ------ ------ 98.26 30.48 4.89 33.57 384 240 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2488.33 42.95 54.00 -11.05 41.04 30.50 4.93 33.52 384 240 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 97.79 ------ ------ 95.99 30.48 4.89 33.57 384 240 AVERAGE

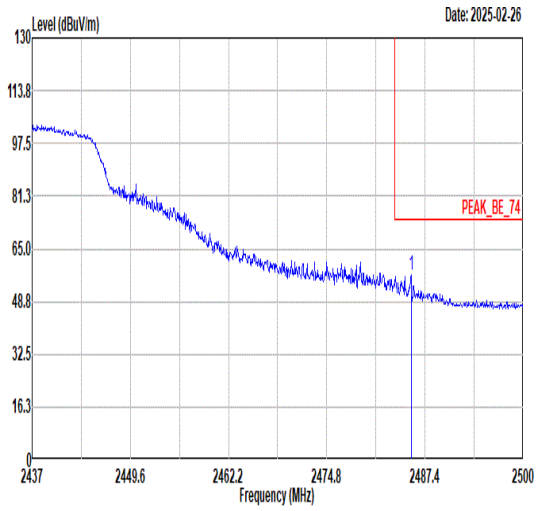
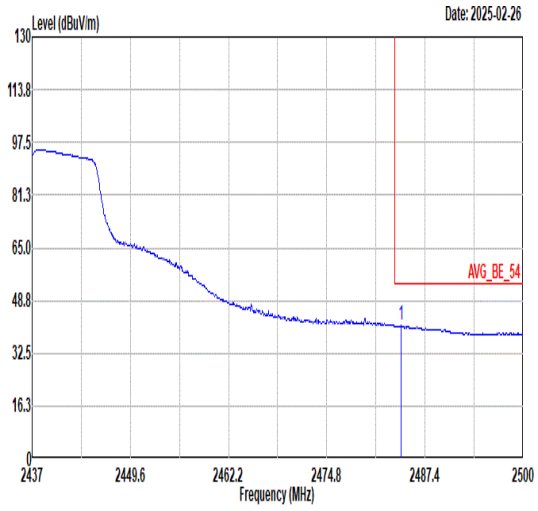
Mode	3	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 47.67 74.00 -26.33 67.34 36.58 8.57 64.82 125 35 Peak 2 4924.00 45.67 54.00 -8.33 65.34 36.58 8.57 64.82 125 35 Average 3 7386.00 45.27 74.00 -28.73 63.26 36.81 10.18 64.98 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 47.67 74.00 -26.33 67.34 36.58 8.57 64.82 100 95 Peak 2 4924.00 44.77 54.00 -9.23 64.44 36.58 8.57 64.82 100 95 Average 3 7386.00 44.51 74.00 -29.49 62.50 36.81 10.18 64.98 --- --- Peak

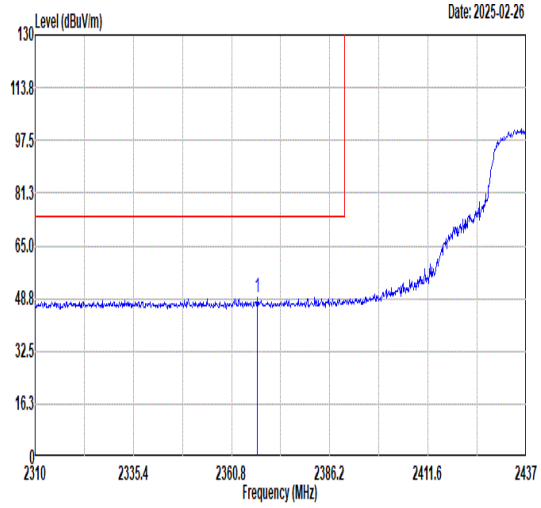
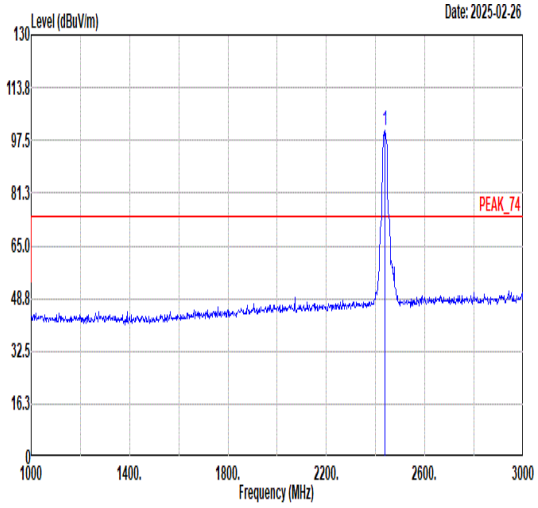
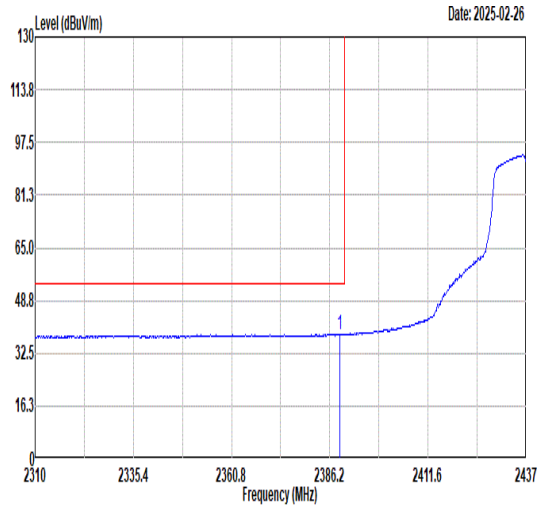
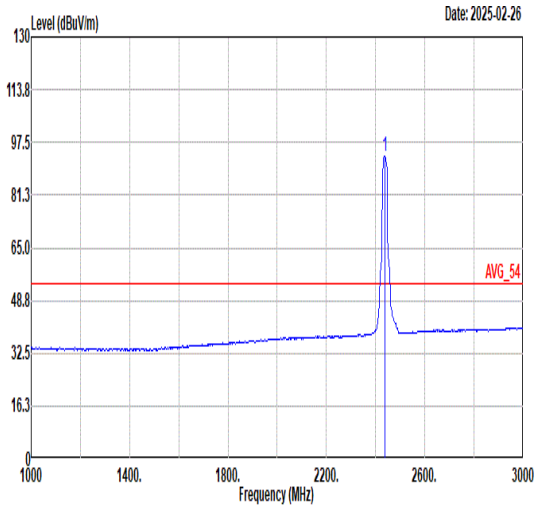
Mode	4	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.95 65.98 74.00 -8.02 64.44 30.44 4.80 33.70 163 276 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 102.24 ------ ------ 100.62 30.45 4.83 33.66 163 276 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.95 49.60 54.00 -4.40 48.06 30.44 4.80 33.70 163 276 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 95.01 ------ ------ 93.40 30.45 4.82 33.66 163 276 AVERAGE

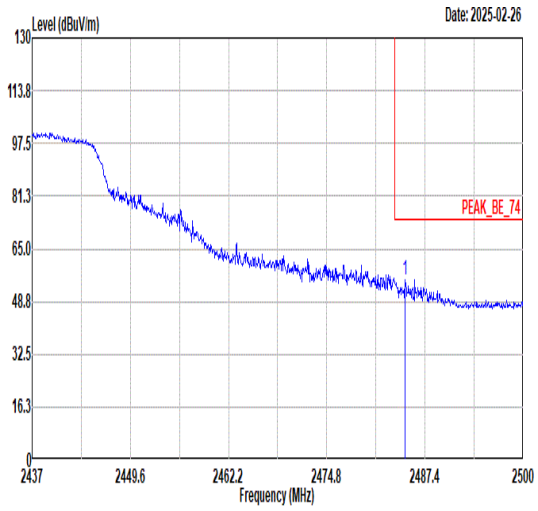
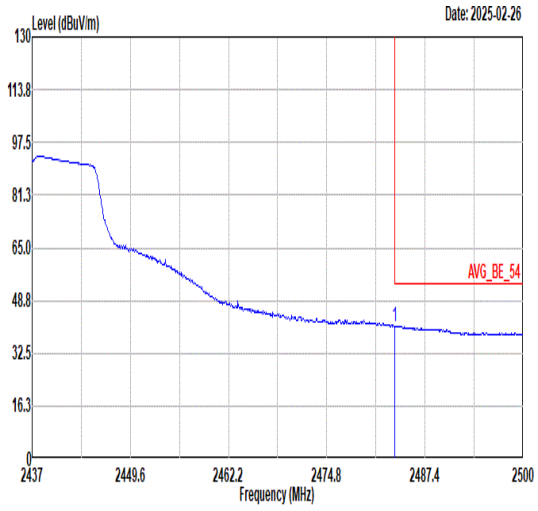
Mode	4	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.69 64.13 74.00 -9.87 62.59 30.44 4.80 33.70 370 246 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 100.57 ------ ------ 98.96 30.45 4.82 33.66 370 246 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.95 48.30 54.00 -5.70 46.76 30.44 4.80 33.70 370 246 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 93.85 ------ ------ 92.24 30.45 4.82 33.66 370 246 AVERAGE

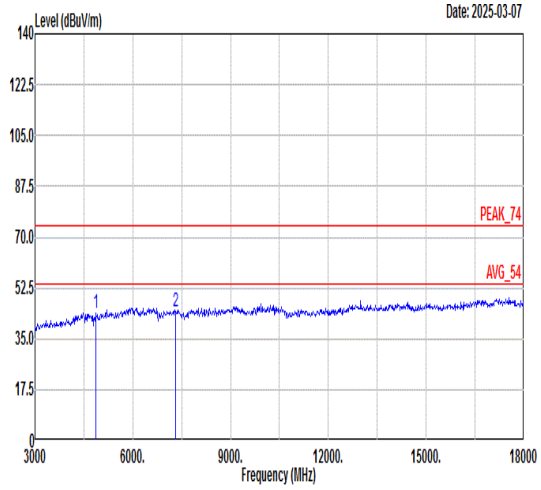
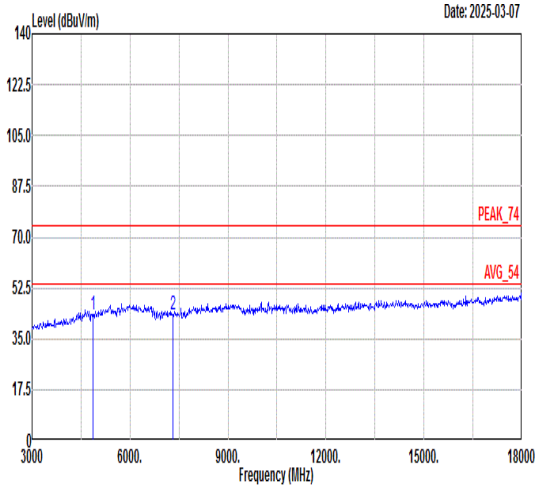
Mode	4	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 44.59 74.00 -29.41 64.13 36.42 8.88 64.84 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 44.67 74.00 -29.33 64.21 36.42 8.88 64.84 --- --- Peak

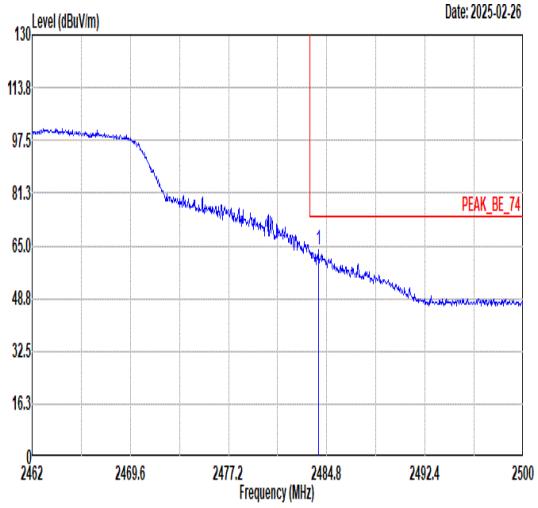
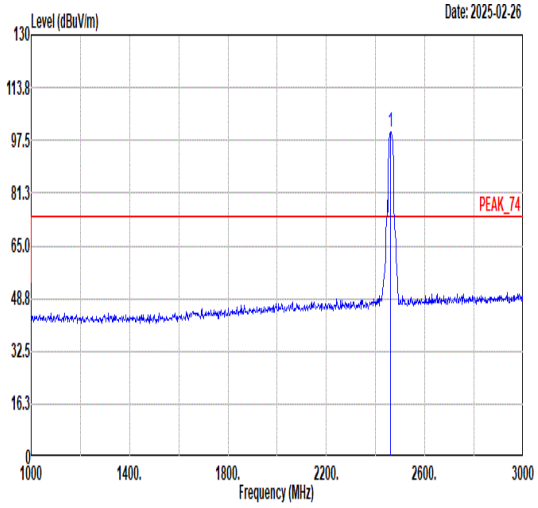
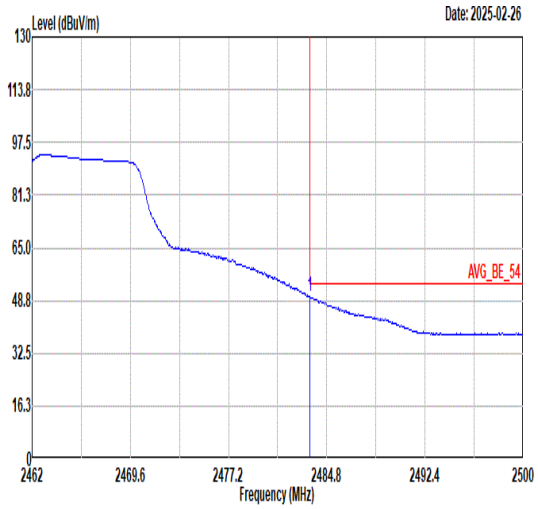
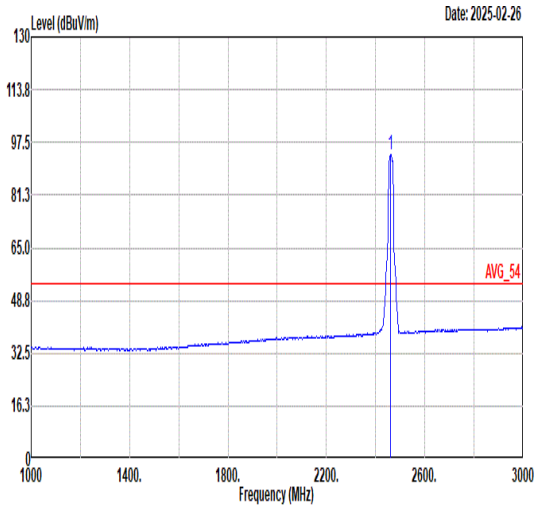
Mode	5	
	Band Edge - L	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2313.68 48.51 74.00 -25.49 47.24 30.39 4.72 33.84 300 274 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 102.15 ------ ------ 100.45 30.46 4.86 33.62 300 274 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2386.33 38.42 54.00 -15.58 36.91 30.43 4.79 33.71 300 274 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 95.25 ------ ------ 93.56 30.46 4.85 33.62 300 274 AVERAGE

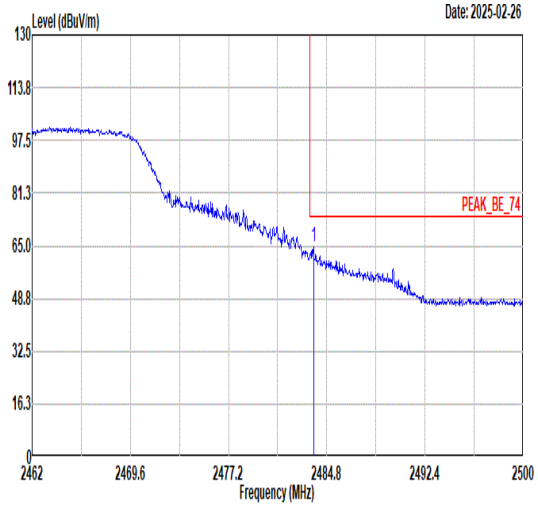
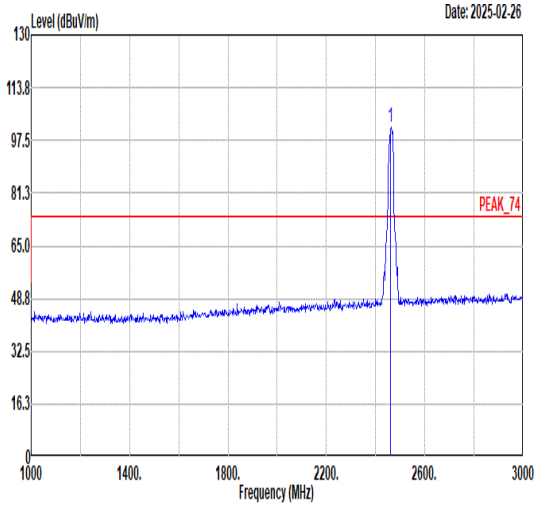
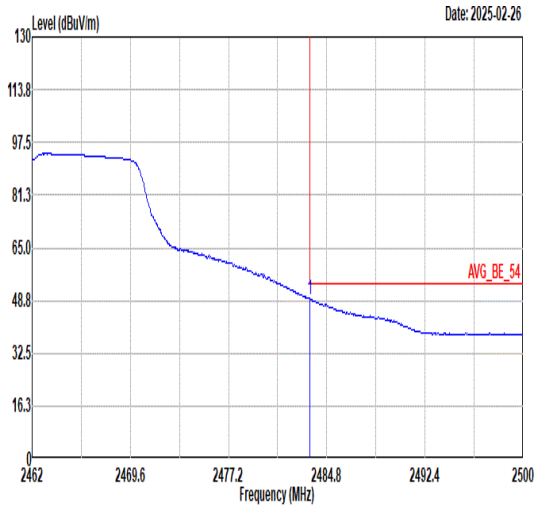
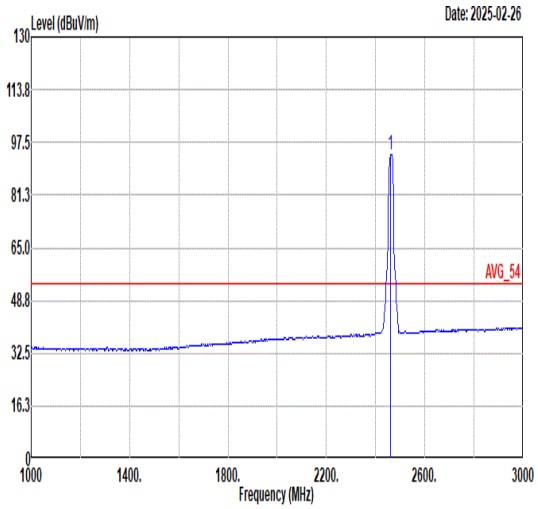
Mode	5	
	Band Edge - R	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2485.64 56.72 74.00 -17.28 54.84 30.49 4.92 33.53 300 274 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.31 41.01 54.00 -12.99 39.13 30.49 4.92 33.53 300 274 AVERAGE	Blank

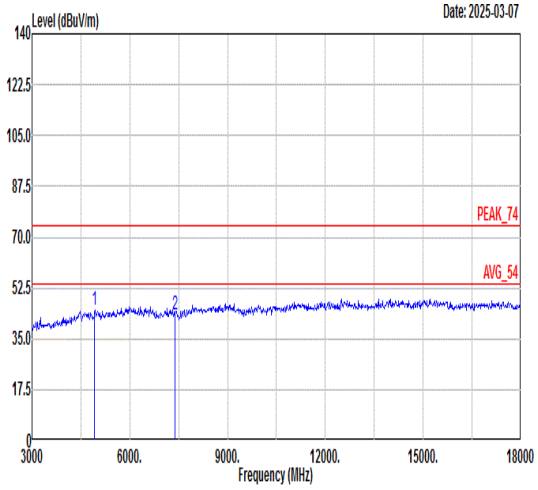
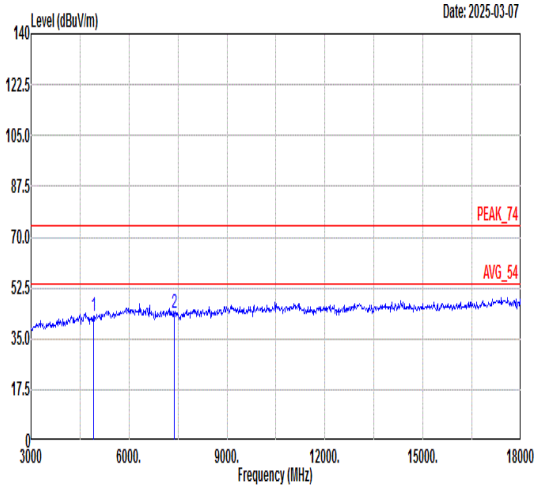
Mode	5	
	Band Edge - L	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2367.53 49.00 74.00 -25.00 47.55 30.42 4.77 33.74 383 247 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 100.39 ------ ------ 98.69 30.46 4.86 33.62 383 247 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2388.87 38.42 54.00 -15.58 36.91 30.43 4.79 33.71 383 247 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 93.35 ------ ------ 91.66 30.46 4.85 33.62 383 247 AVERAGE

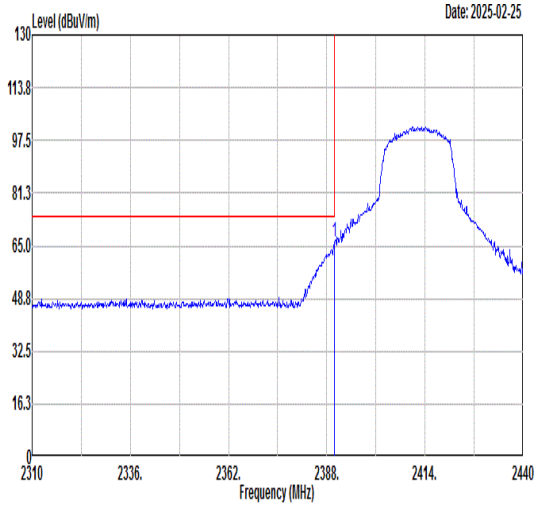
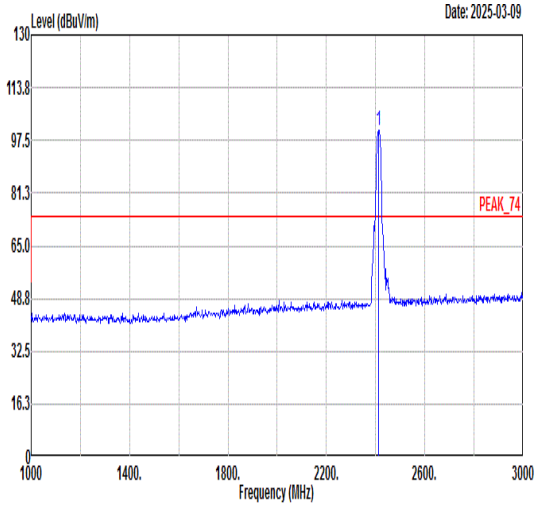
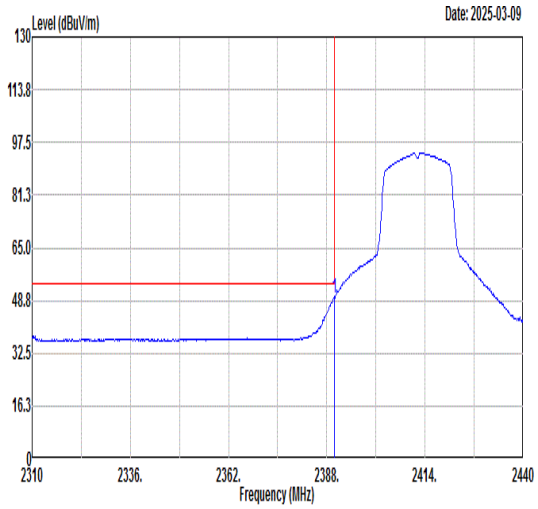
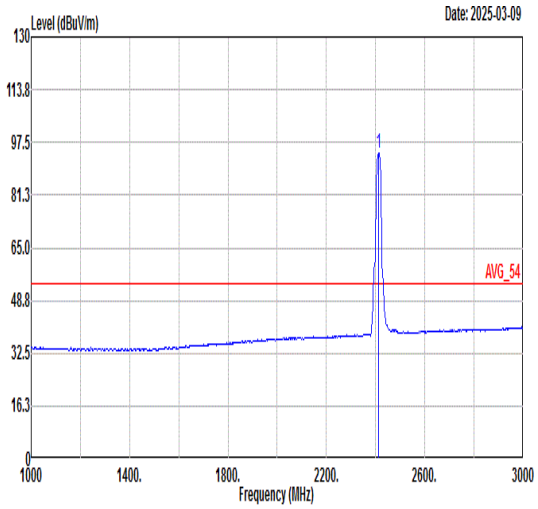
Mode	5	
	Band Edge - R	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.82 55.62 74.00 -18.38 53.74 30.49 4.92 33.53 383 247 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.56 40.87 54.00 -13.13 38.99 30.49 4.92 33.53 383 247 AVERAGE	Blank

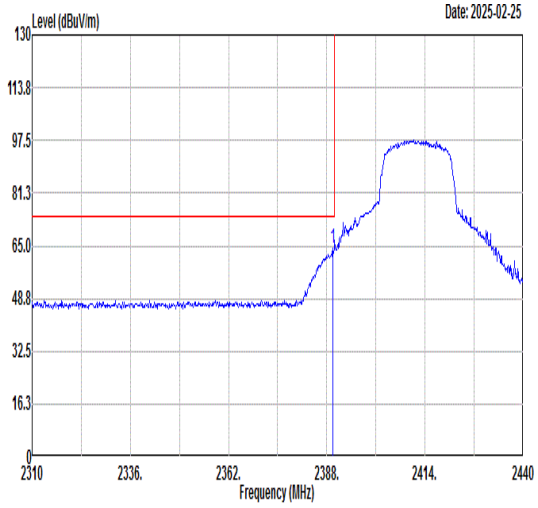
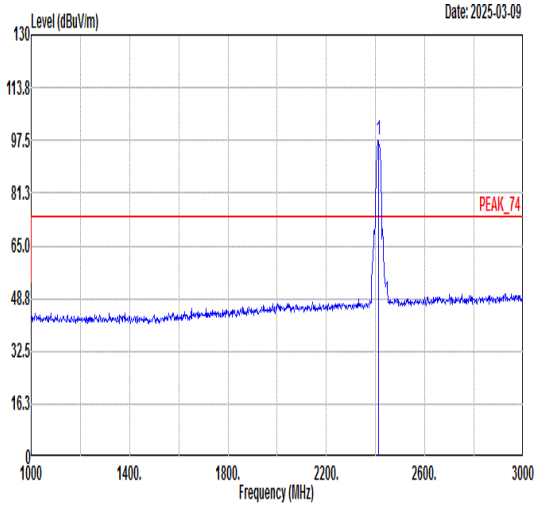
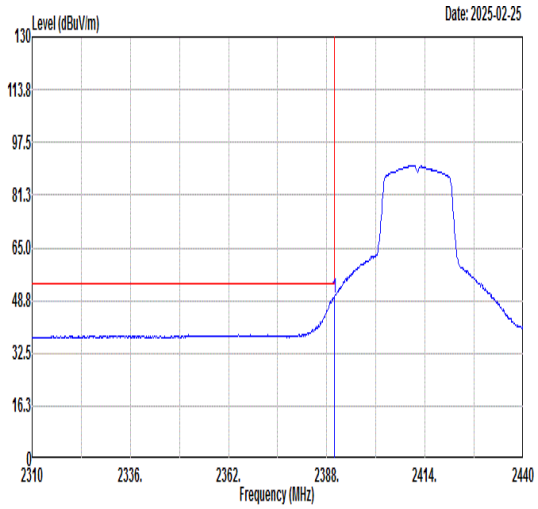
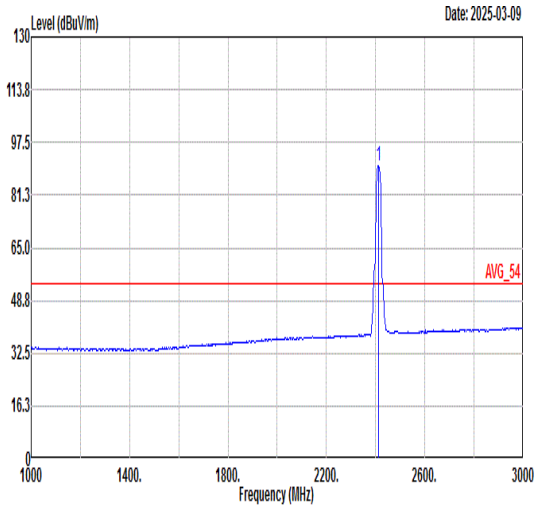
Mode	5	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 43.60 74.00 -30.40 63.21 36.50 8.72 64.83 --- --- Peak 2 7311.00 44.19 74.00 -29.81 62.13 36.89 10.18 65.01 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 43.50 74.00 -30.50 63.11 36.50 8.72 64.83 --- --- Peak 2 7311.00 43.55 74.00 -30.45 61.49 36.89 10.18 65.01 --- --- Peak

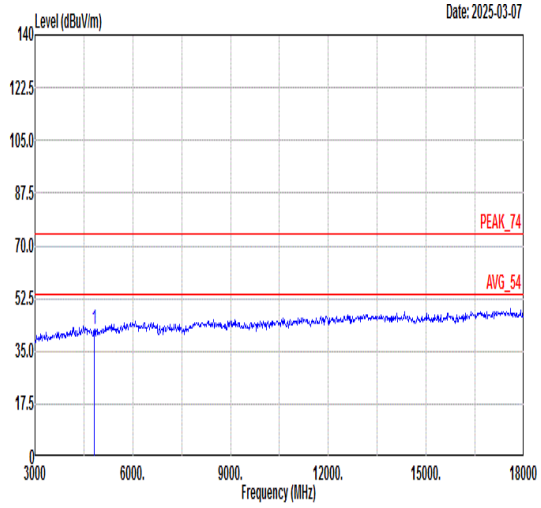
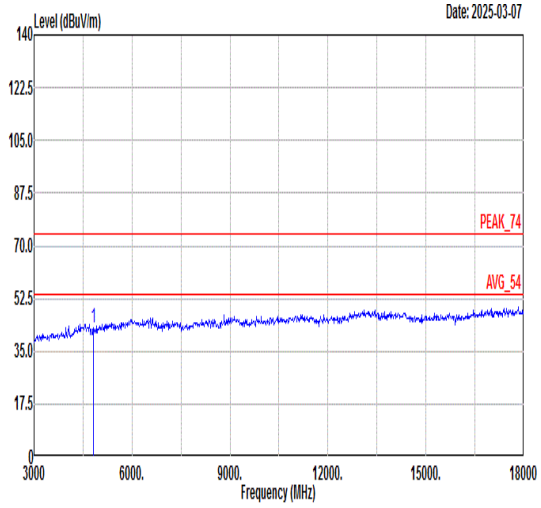
Mode	6	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.15 63.69 74.00 -10.31 61.81 30.49 4.92 33.53 100 129 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 100.13 ------ ------ 98.34 30.48 4.89 33.58 100 129 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.51 49.80 54.00 -4.20 47.92 30.49 4.92 33.53 100 129 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 93.67 ------ ------ 91.88 30.48 4.89 33.58 100 129 AVERAGE

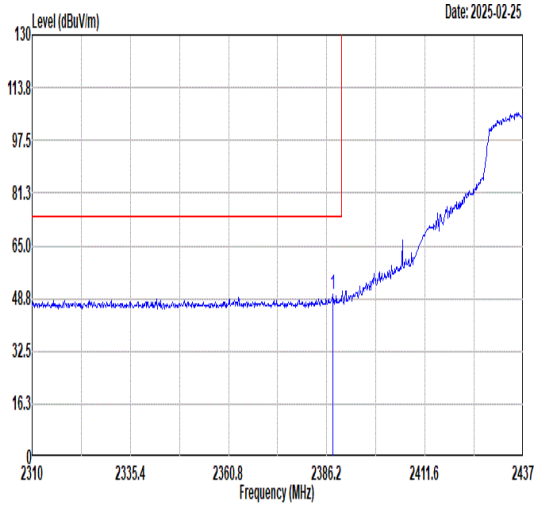
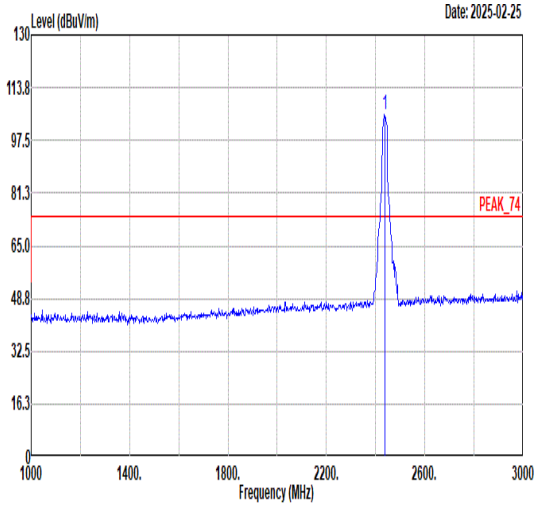
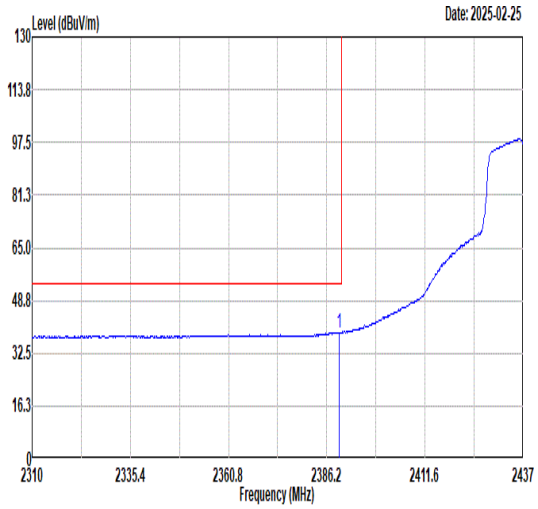
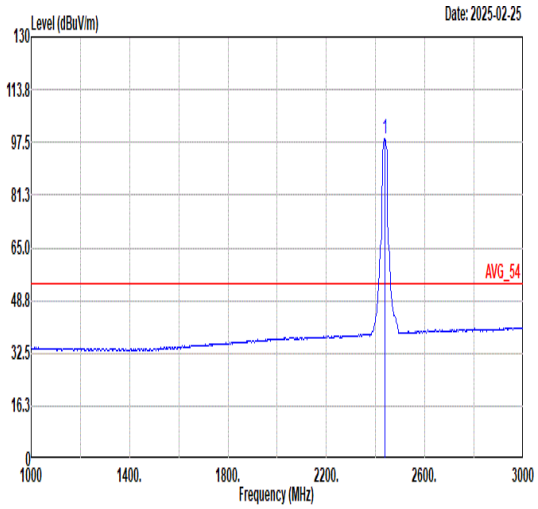
Mode	6	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.77 64.68 74.00 -9.32 62.80 30.49 4.92 33.53 382 248 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 101.66 ------ ------ 99.86 30.48 4.89 33.57 382 248 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.51 49.27 54.00 -4.73 47.39 30.49 4.92 33.53 382 248 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 93.88 ------ ------ 92.08 30.48 4.89 33.57 382 248 AVERAGE

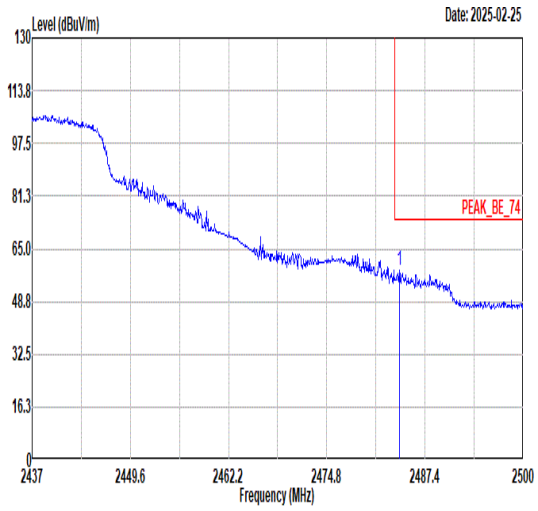
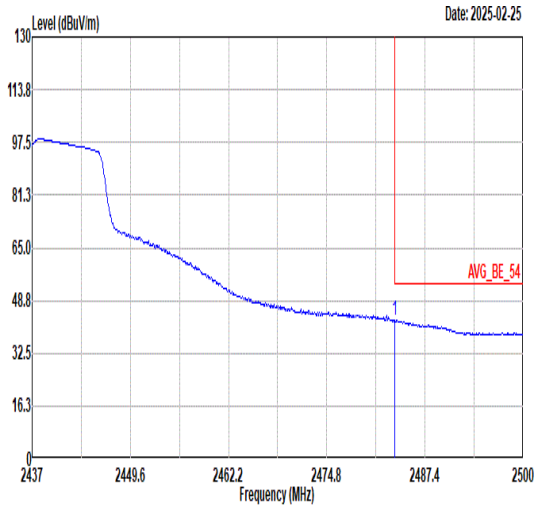
Mode	6	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 44.66 74.00 -29.34 64.33 36.58 8.57 64.82 --- --- Peak 2 7386.00 43.53 74.00 -30.47 61.52 36.81 10.18 64.98 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 42.72 74.00 -31.28 62.39 36.58 8.57 64.82 --- --- Peak 2 7386.00 43.63 74.00 -30.37 61.62 36.81 10.18 64.98 --- --- Peak

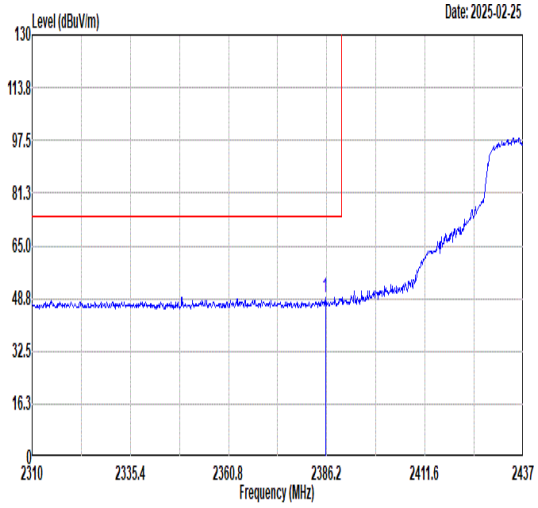
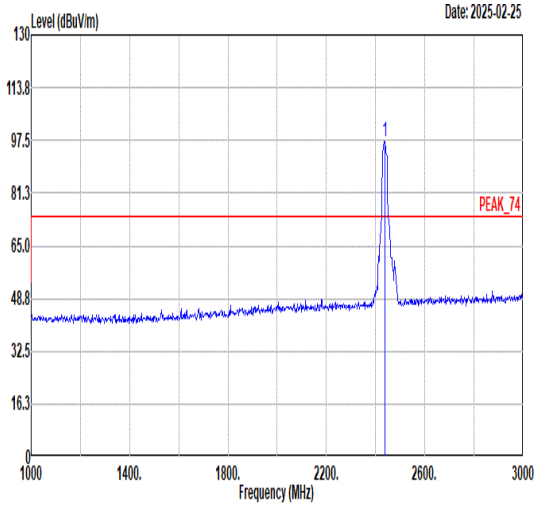
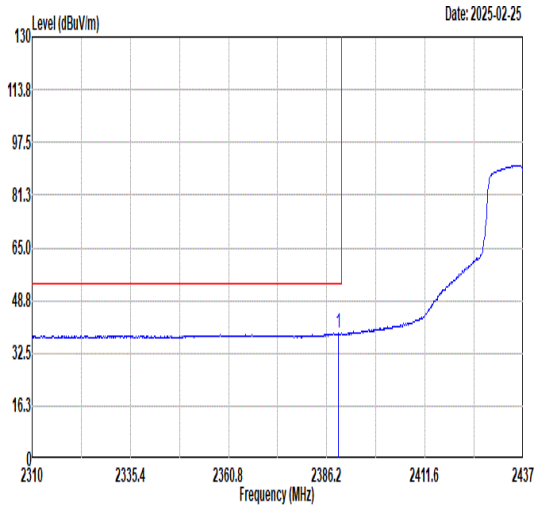
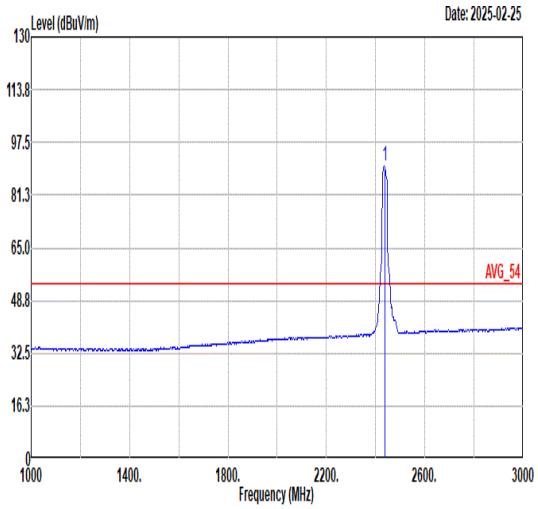
Mode	7	
	Band Edge	
	2400-2483.5_802.11n HT20_CH01_2412MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.95 66.43 74.00 -7.57 64.89 30.44 4.80 33.70 100 262 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 100.63 ------ ------ 99.02 30.45 4.82 33.66 100 262 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.95 49.61 54.00 -4.39 48.07 30.44 4.80 33.70 100 262 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 94.09 ------ ------ 92.48 30.45 4.82 33.66 100 262 AVERAGE

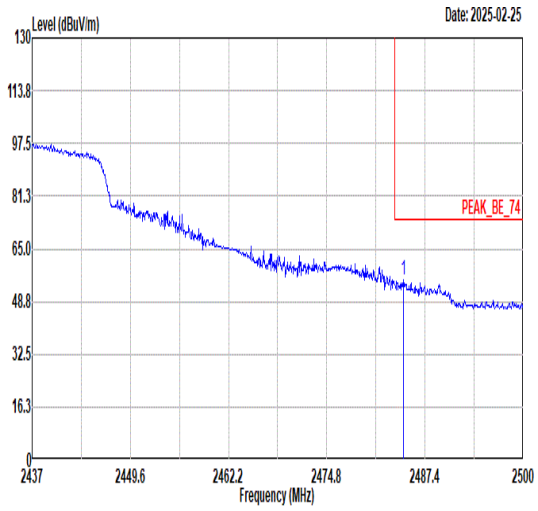
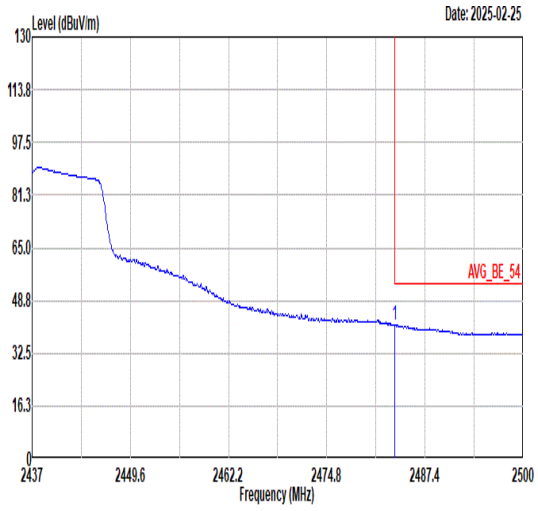
Mode	7	
	Band Edge	
	2400-2483.5_802.11n HT20_CH01_2412MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.56 64.46 74.00 -9.54 62.92 30.44 4.80 33.70 325 243 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 97.45 ------ ------ 95.85 30.45 4.82 33.67 325 243 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.95 49.71 54.00 -4.29 48.17 30.44 4.80 33.70 325 243 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2412.00 90.24 ------ ------ 88.64 30.45 4.82 33.67 325 243 AVERAGE

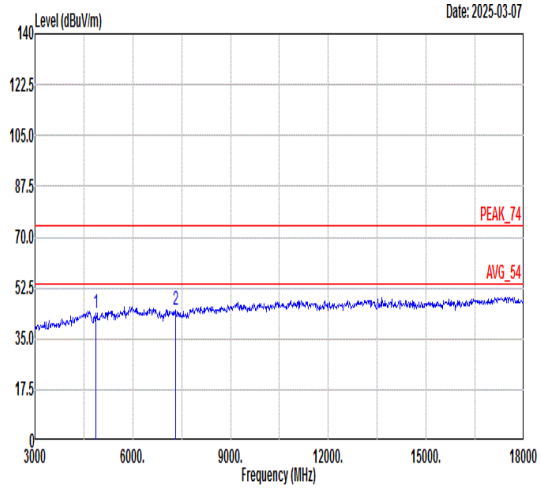
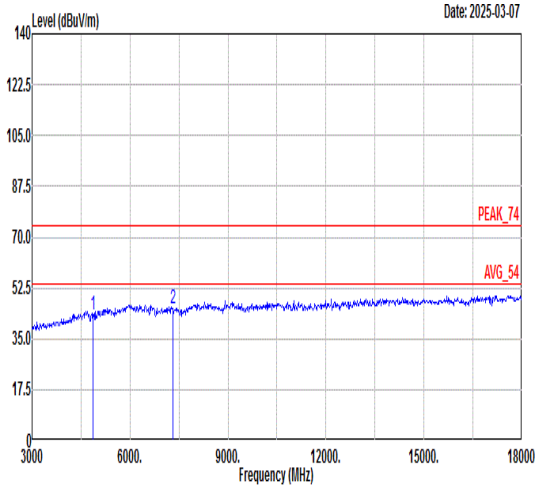
Mode	7	
	Harmonic	
	2400-2483.5_802.11n HT20_CH01_2412MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 42.37 74.00 -31.63 61.91 36.42 8.88 64.84 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4824.00 42.73 74.00 -31.27 62.27 36.42 8.88 64.84 --- --- Peak

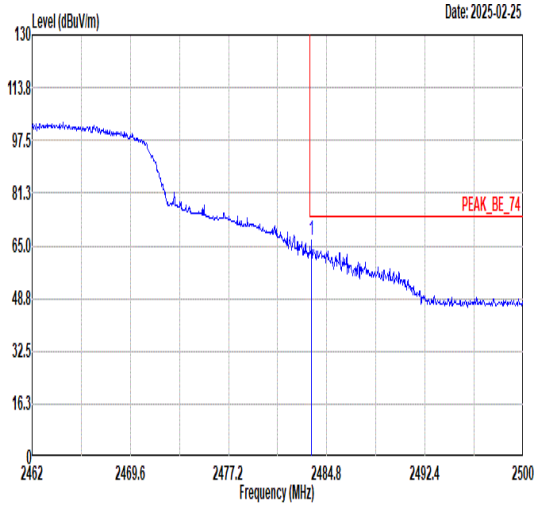
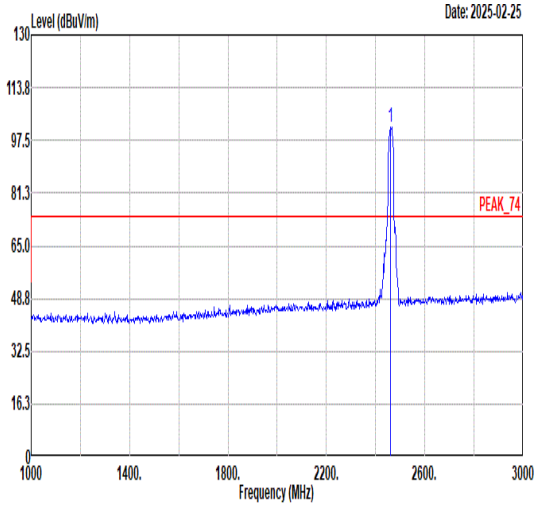
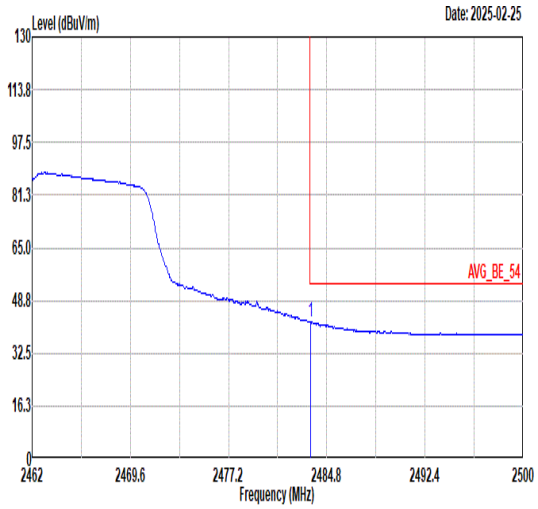
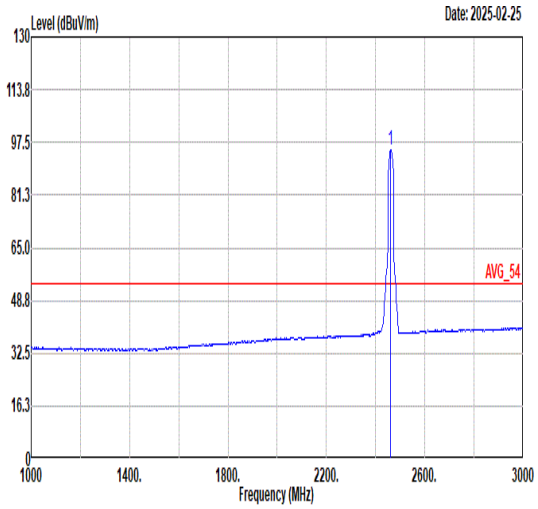
Mode	8	
	Band Edge - L	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2387.72 50.21 74.00 -23.79 48.70 30.43 4.79 33.71 300 276 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 105.51 ------ ------ 103.82 30.46 4.85 33.62 300 276 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.50 38.90 54.00 -15.10 37.36 30.44 4.80 33.70 300 276 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 98.40 ------ ------ 96.71 30.46 4.85 33.62 300 276 AVERAGE

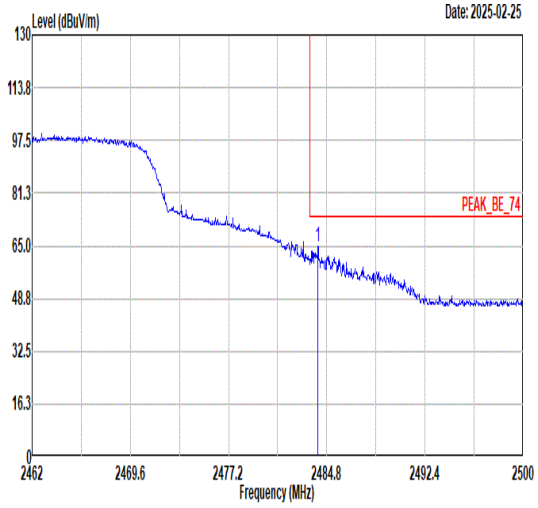
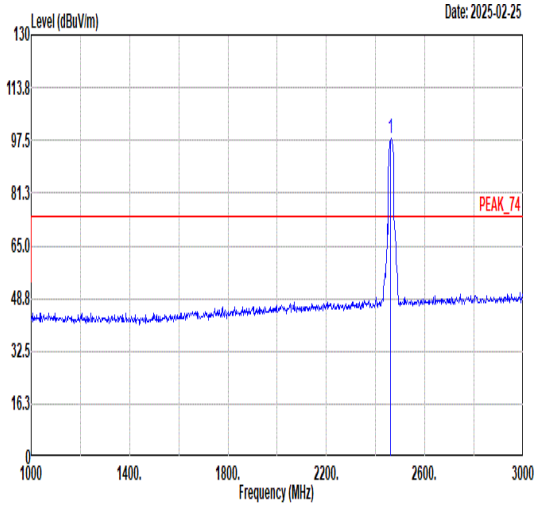
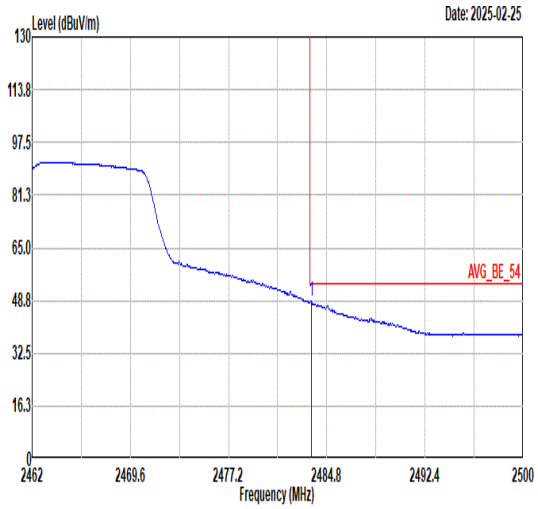
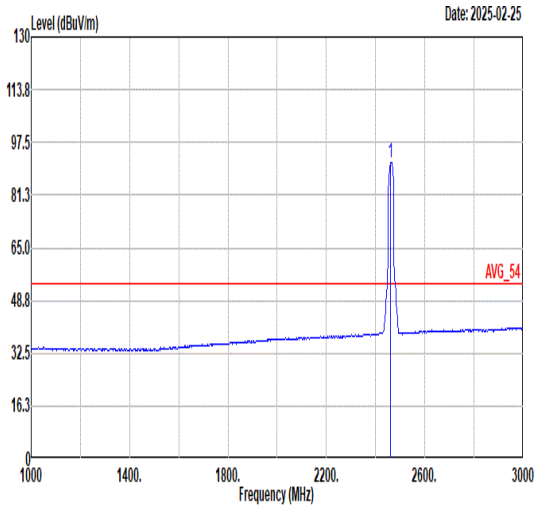
Mode	8	
	Band Edge - R	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.12 58.14 74.00 -15.86 56.26 30.49 4.92 33.53 300 276 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.56 42.85 54.00 -11.15 40.97 30.49 4.92 33.53 300 276 AVERAGE	Blank

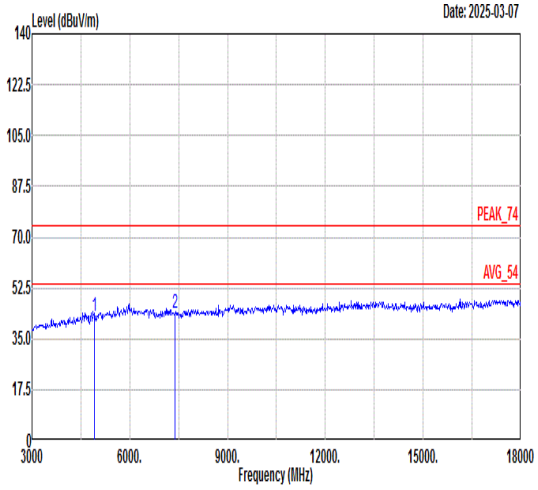
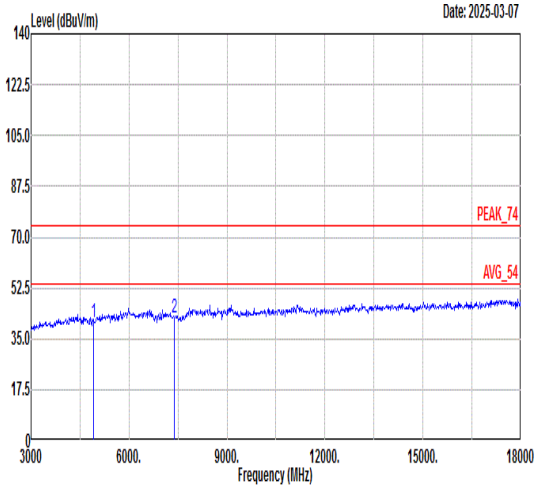
Mode	8	
	Band Edge - L	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2385.82 49.06 74.00 -24.94 47.55 30.43 4.79 33.71 380 234 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 96.93 ------ ------ 95.24 30.46 4.85 33.62 380 234 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.25 38.54 54.00 -15.46 37.02 30.44 4.79 33.71 380 234 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2437.00 90.28 ------ ------ 88.59 30.46 4.85 33.62 380 234 AVERAGE

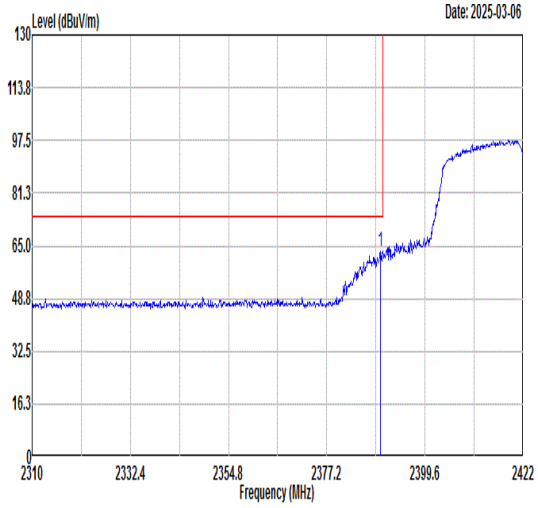
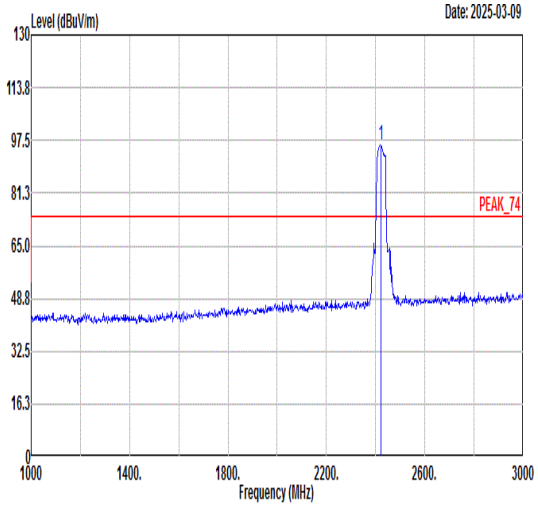
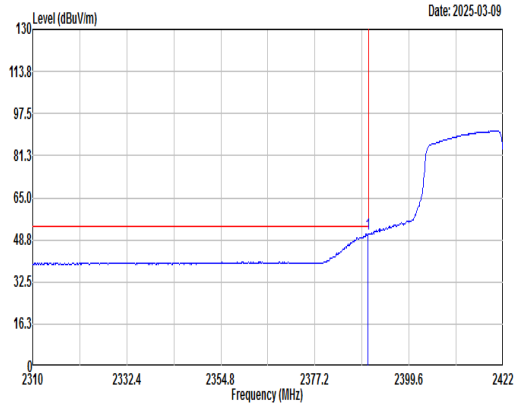
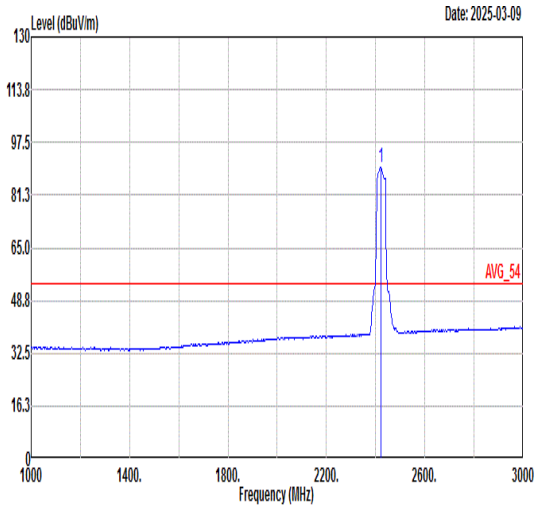
Mode	8	
	Band Edge - R	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.63 55.31 74.00 -18.69 53.43 30.49 4.92 33.53 380 234 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.56 41.22 54.00 -12.78 39.34 30.49 4.92 33.53 380 234 AVERAGE	Blank

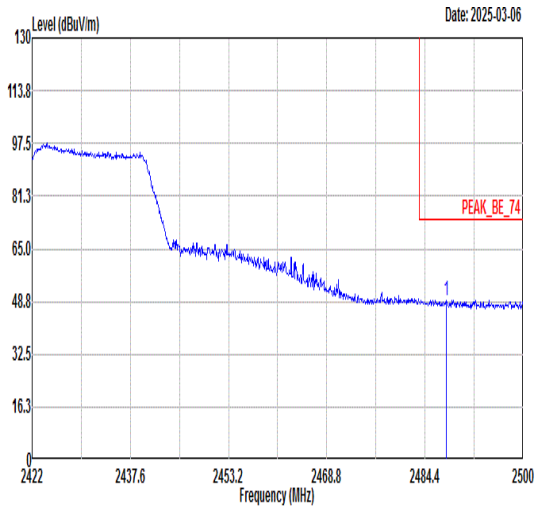
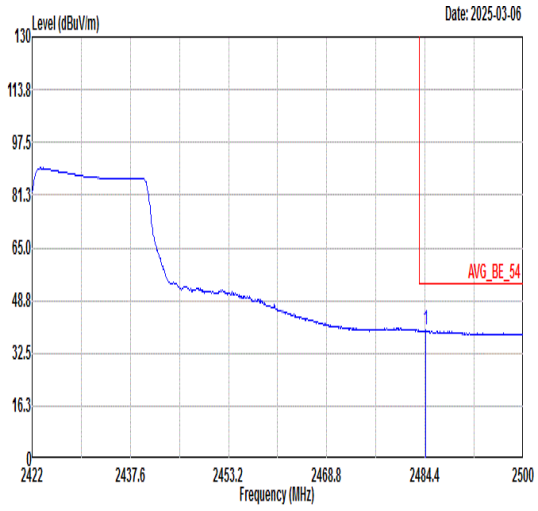
Mode	8	
	Harmonic	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 43.88 74.00 -30.12 63.49 36.50 8.72 64.83 --- --- Peak 2 7311.00 44.87 74.00 -29.13 62.81 36.89 10.18 65.01 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4874.00 43.38 74.00 -30.62 62.99 36.50 8.72 64.83 --- --- Peak 2 7311.00 45.26 74.00 -28.74 63.20 36.89 10.18 65.01 --- --- Peak

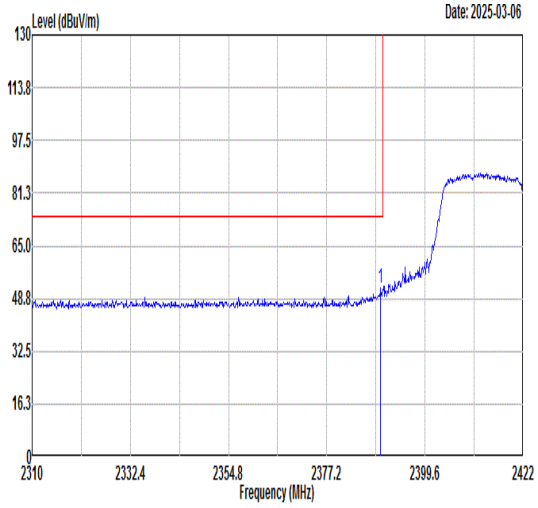
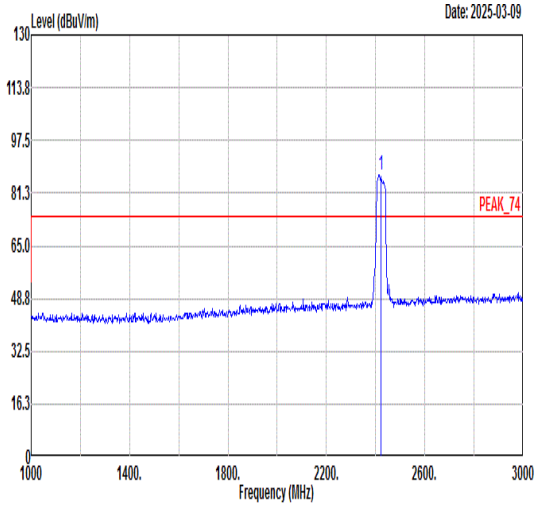
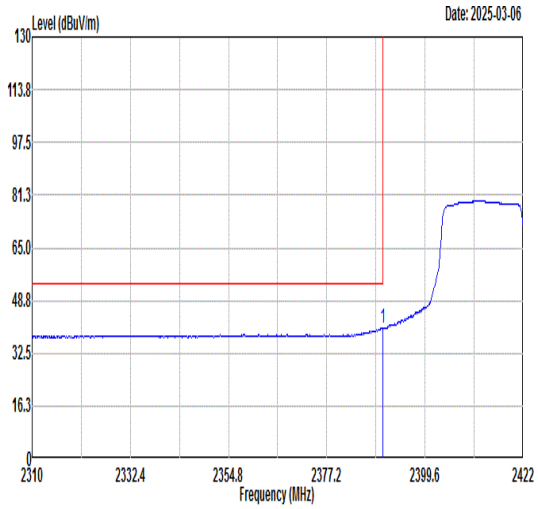
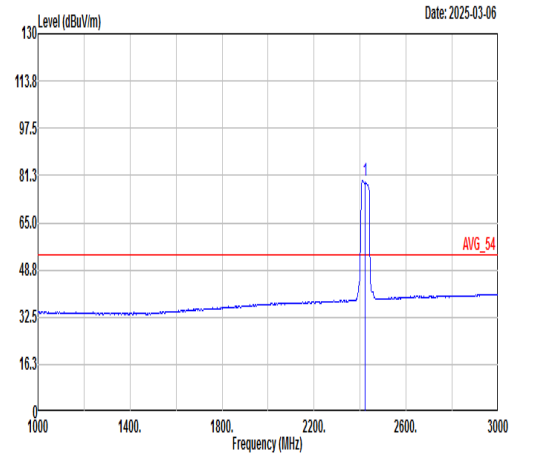
Mode	9	
	Band Edge	
	2400-2483.5_802.11n HT20_CH11_2462MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.62 66.79 74.00 -7.21 64.91 30.49 4.92 33.53 137 127 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 101.60 ------ ------ 99.79 30.48 4.90 33.57 137 127 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.55 42.18 54.00 -11.82 40.30 30.49 4.92 33.53 333 234 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 95.04 ------ ------ 93.25 30.48 4.89 33.58 137 127 AVERAGE

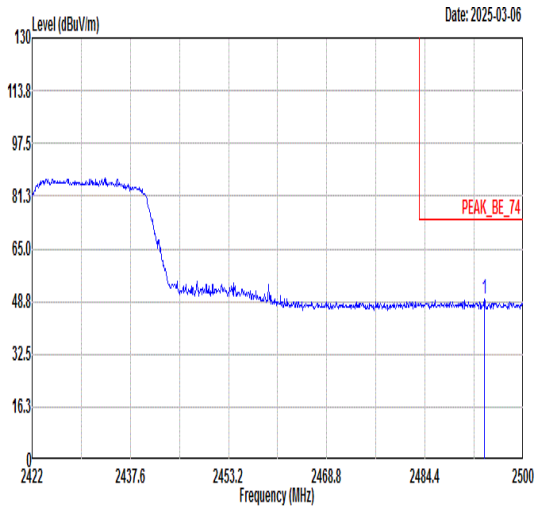
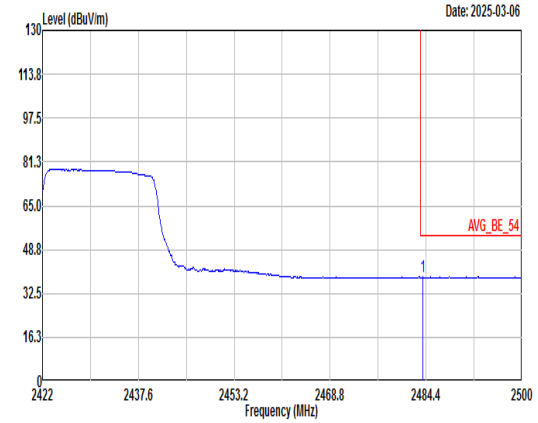
Mode	9	
	Band Edge	
	2400-2483.5_802.11n HT20_CH11_2462MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2484.12 64.66 74.00 -9.34 62.78 30.49 4.92 33.53 379 241 PEAK	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 98.16 ------ ------ 96.36 30.48 4.89 33.57 379 241 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.58 48.48 54.00 -5.52 46.60 30.49 4.92 33.53 379 241 AVERAGE	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2462.00 91.39 ------ ------ 89.59 30.48 4.89 33.57 379 241 AVERAGE

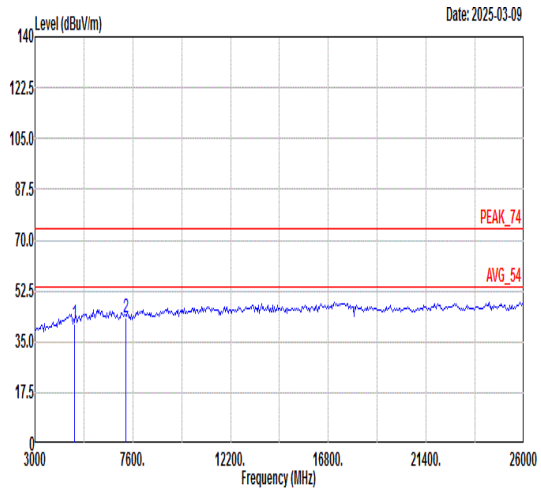
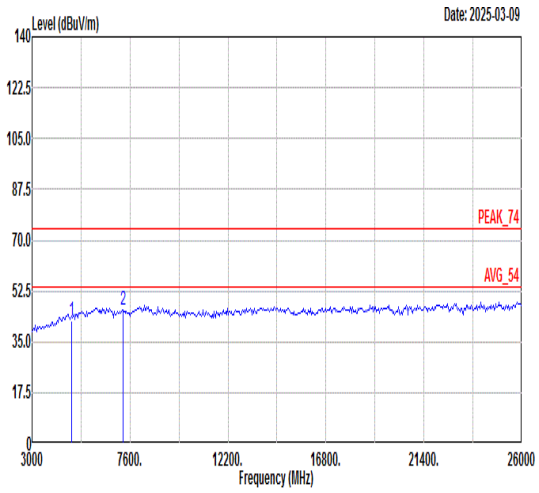
Mode	9	
	Harmonic	
	2400-2483.5_802.11n HT20_CH11_2462MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 42.70 74.00 -31.30 62.37 36.58 8.57 64.82 --- --- Peak 2 7386.00 43.64 74.00 -30.36 61.63 36.81 10.18 64.98 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4924.00 40.84 74.00 -33.16 60.51 36.58 8.57 64.82 --- --- Peak 2 7386.00 42.22 74.00 -31.78 60.21 36.81 10.18 64.98 --- --- Peak

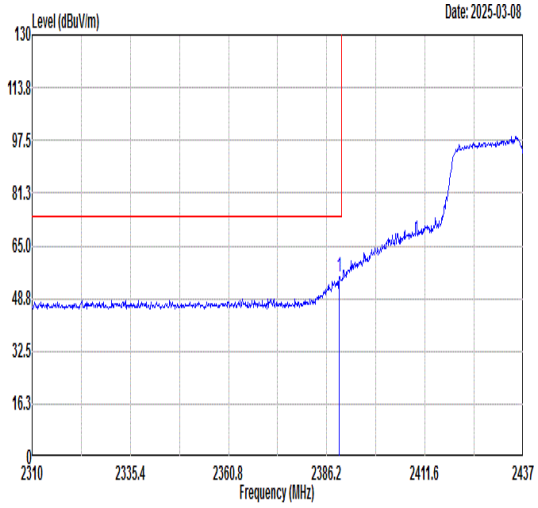
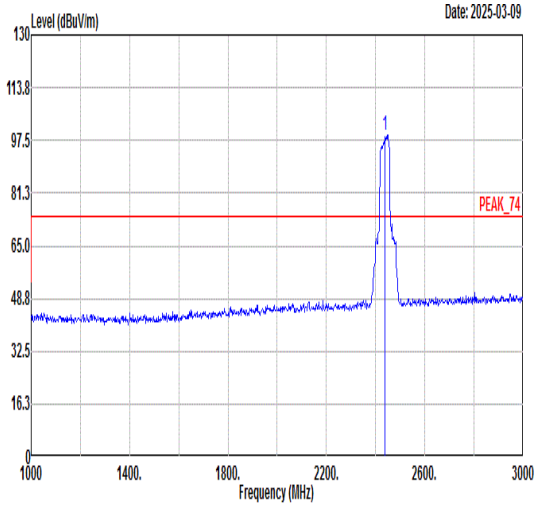
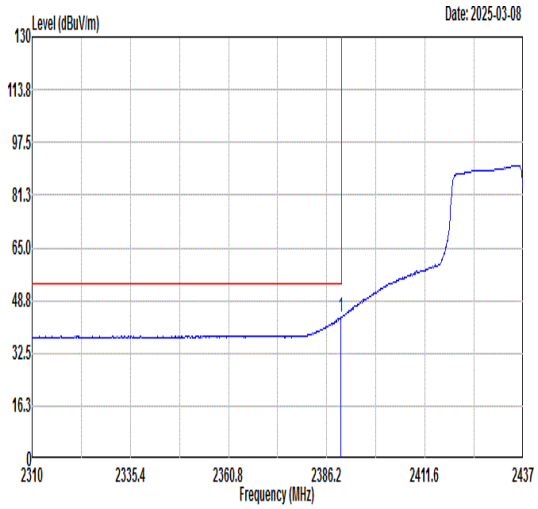
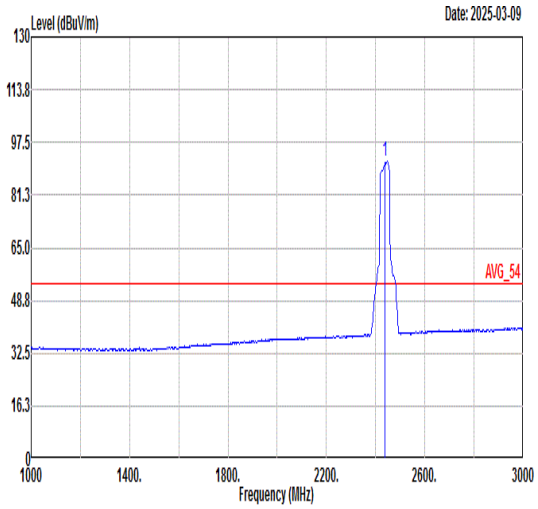
Mode	10	
	Band Edge - L	
	2400-2483.5_802.11n HT40_CH03_2422MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.52 63.42 74.00 -10.58 61.88 30.44 4.80 33.70 102 284 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2422.00 96.32 ------ ------ 94.69 30.45 4.83 33.65 102 284 PEAK
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2389.74 50.94 54.00 -3.06 49.40 30.44 4.80 33.70 102 284 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2422.00 89.78 ------ ------ 88.15 30.45 4.83 33.65 102 284 AVERAGE

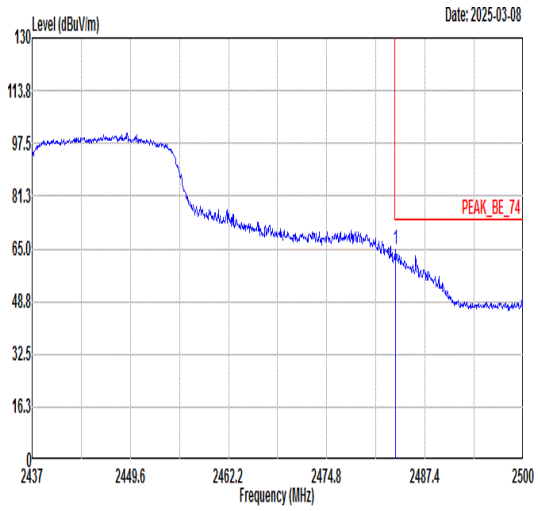
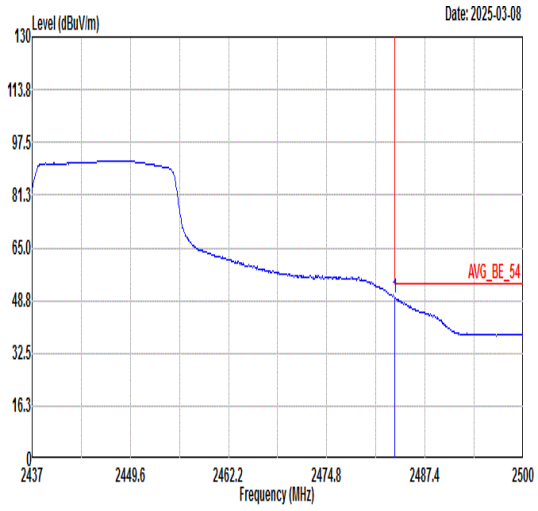
Mode	10	
	Band Edge - R	
	2400-2483.5_802.11n HT40_CH03_2422MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2487.75 49.09 74.00 -24.91 47.20 30.49 4.93 33.53 102 284 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2484.56 39.51 54.00 -14.49 37.63 30.49 4.92 33.53 102 284 AVERAGE	Blank

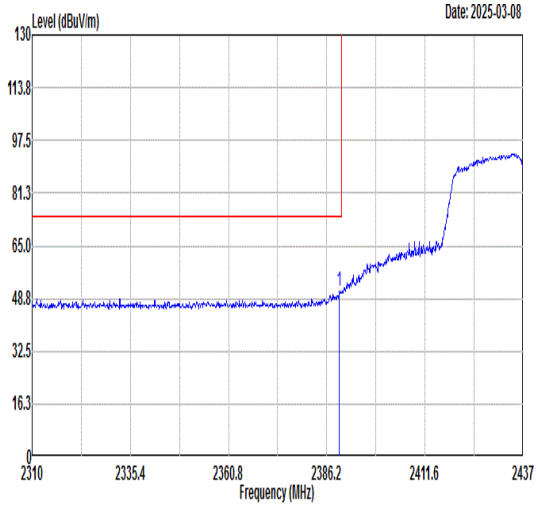
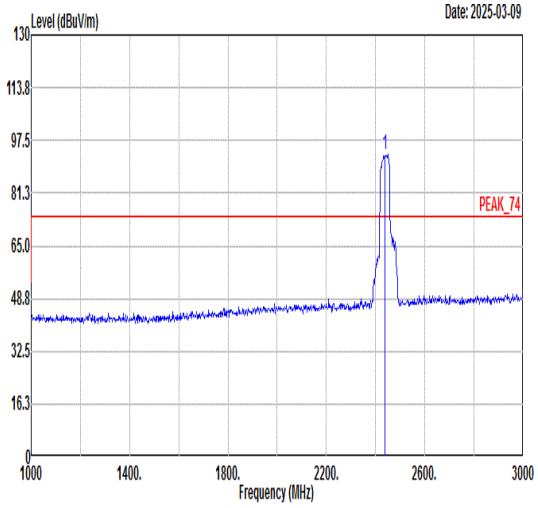
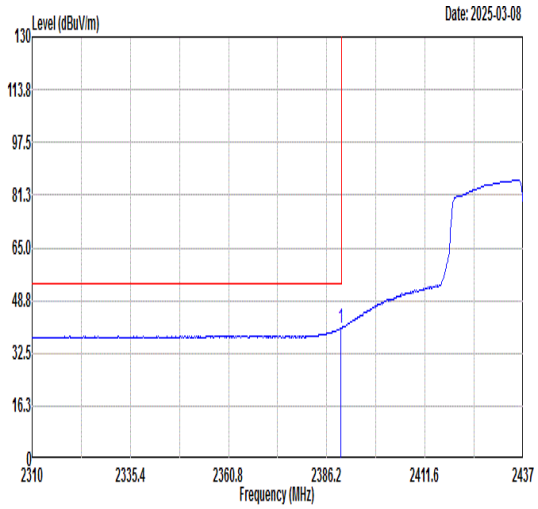
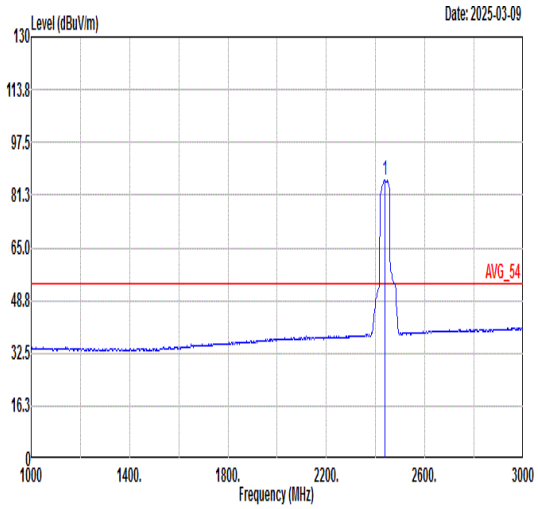
Mode	10	
	Band Edge - L	
	2400-2483.5_802.11n HT40_CH03_2422MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.52 51.89 74.00 -22.11 50.35 30.44 4.80 33.70 107 19 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2422.00 87.04 ------ ------ 85.43 30.45 4.82 33.66 107 19 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.97 40.24 54.00 -13.76 38.70 30.44 4.80 33.70 107 19 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2422.00 79.34 ------ ------ 77.73 30.45 4.82 33.66 107 19 AVERAGE

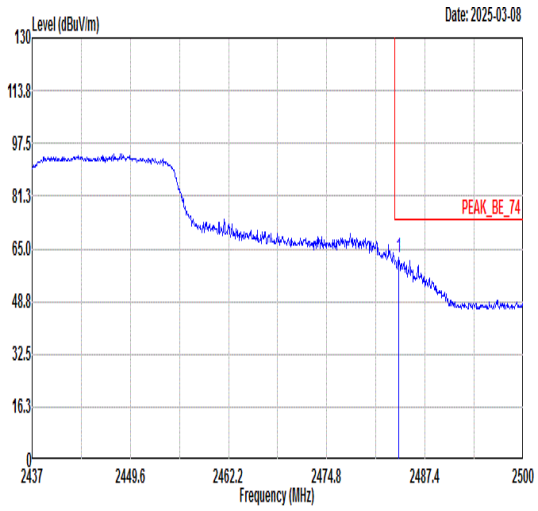
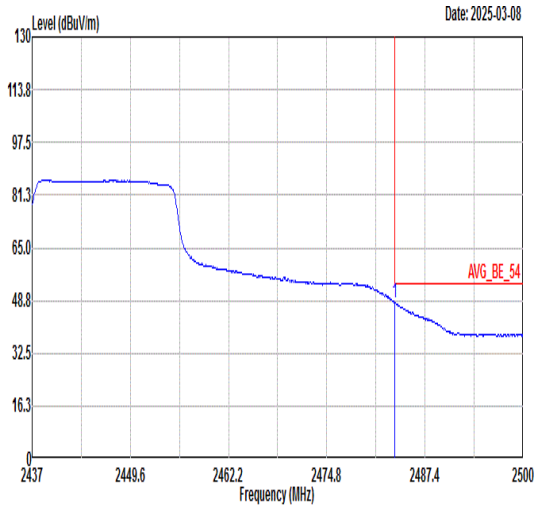
Mode	10	
	Band Edge - R	
	2400-2483.5_802.11n HT40_CH03_2422MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2493.84 49.38 74.00 -24.62 47.46 30.50 4.93 33.51 107 19 PEAK	Blank
Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 2483.85 38.73 54.00 -15.27 36.85 30.49 4.92 33.53 107 19 AVERAGE	Blank

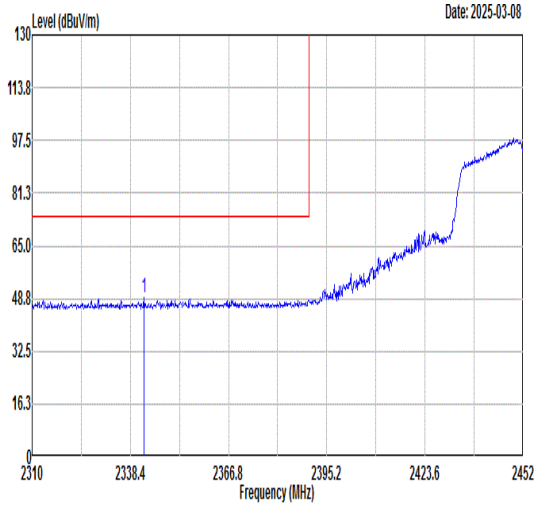
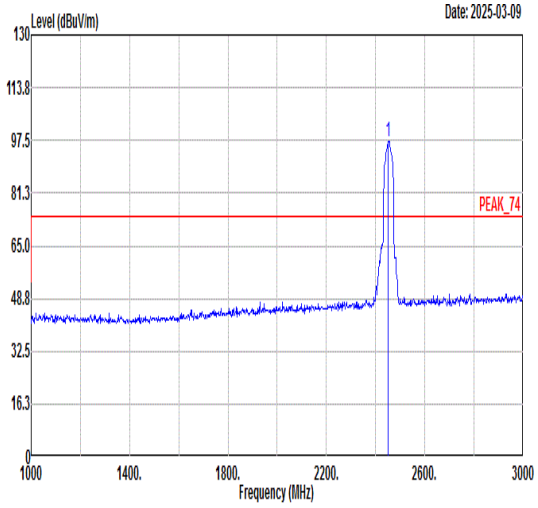
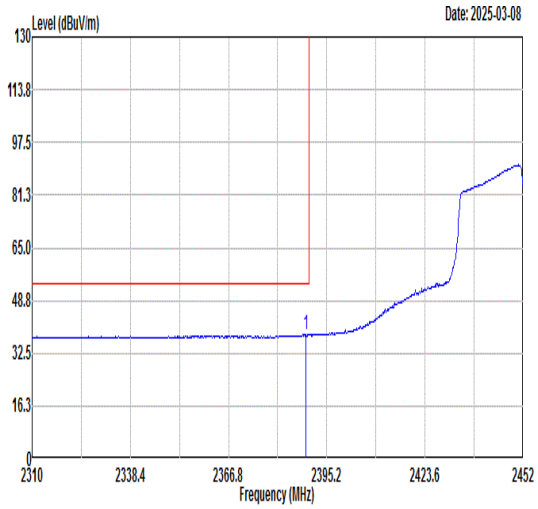
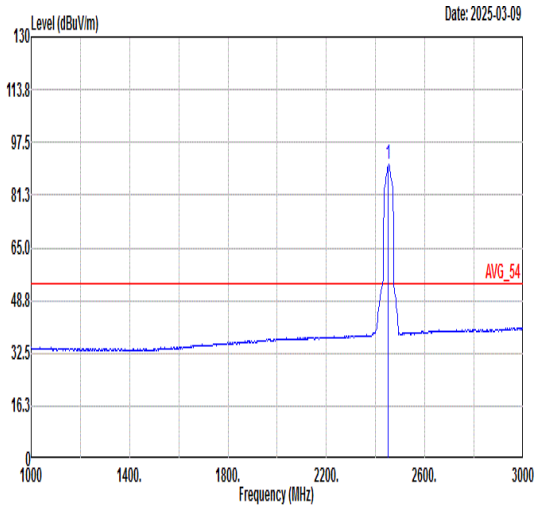
Mode	10	
	Harmonic	
	2400-2483.5_802.11n HT40_CH03_2422MHz	
ANT	6	
Pol.	Horizontal	Vertical
Peak Avg	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4844.00 41.21 74.00 -32.79 60.78 36.45 8.81 64.83 --- --- Peak 2 7266.00 43.58 74.00 -30.42 61.49 36.93 10.18 65.02 --- --- Peak	 Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB cm deg 1 4844.00 42.43 74.00 -31.57 62.00 36.45 8.81 64.83 --- --- Peak 2 7266.00 46.21 74.00 -27.79 64.12 36.93 10.18 65.02 --- --- Peak

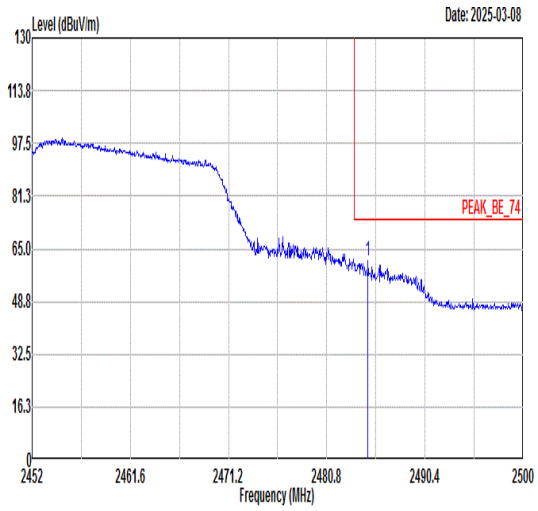
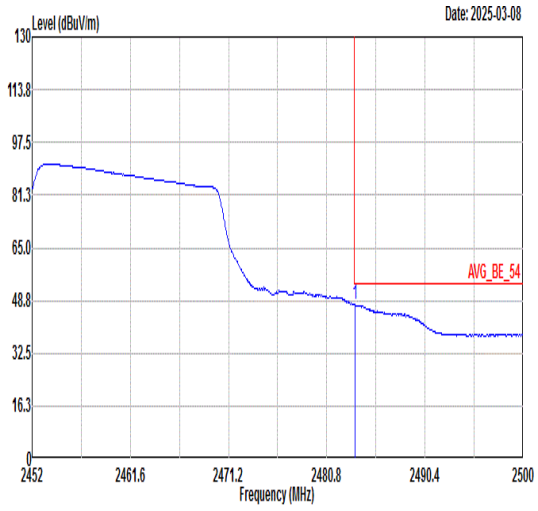
Mode	11	
	Band Edge - L	
	2400-2483.5_802.11n HT40_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.50 55.44 74.00 -18.56 53.90 30.44 4.80 33.70 117 91 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2437.00 99.17 ------ ------ 97.43 30.47 4.87 33.60 117 91 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2389.88 43.48 54.00 -10.52 41.94 30.44 4.80 33.70 117 91 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark 1 2437.00 91.78 ------ ------ 90.04 30.47 4.87 33.60 117 91 AVERAGE

Mode	11	
	Band Edge - R	
	2400-2483.5_802.11n HT40_CH06_2437MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.62 64.73 74.00 -9.27 62.85 30.49 4.92 33.53 117 91 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.56 49.67 54.00 -4.33 47.79 30.49 4.92 33.53 117 91 AVERAGE	Blank

Mode	11	
	Band Edge - L	
	2400-2483.5_802.11n HT40_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.50 50.97 74.00 -23.03 49.43 30.44 4.80 33.70 382 58 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2437.00 93.33 ------ ------ 91.58 30.47 4.87 33.59 382 58 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.88 40.12 54.00 -13.88 38.58 30.44 4.80 33.70 382 58 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2437.00 85.85 ------ ------ 84.16 30.46 4.85 33.62 382 58 AVERAGE

Mode	11	
	Band Edge - R	
	2400-2483.5_802.11n HT40_CH06_2437MHz	
ANT	6	
Pol.	Vertical	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2484.06 62.38 74.00 -11.62 60.50 30.49 4.92 33.53 382 58 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.56 47.98 54.00 -6.02 46.10 30.49 4.92 33.53 382 58 AVERAGE	Blank

Mode	12	
	Band Edge - L	
	2400-2483.5_802.11n HT40_CH09_2452MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2342.38 48.92 74.00 -25.08 47.55 30.41 4.75 33.79 115 89 PEAK	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2452.00 97.13 ------ ------ 95.35 30.48 4.88 33.58 115 89 PEAK
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2389.09 38.23 54.00 -15.77 36.72 30.43 4.79 33.71 115 89 AVERAGE	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2452.00 90.77 ------ ------ 89.01 30.47 4.88 33.59 115 89 AVERAGE

Mode	12	
	Band Edge - R	
	2400-2483.5_802.11n HT40_CH09_2452MHz	
ANT	6	
Pol.	Horizontal	Fundamental
Peak	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2484.83 61.20 74.00 -12.80 59.32 30.49 4.92 33.53 115 89 PEAK	Blank
Avg	 Freq Level Limit Line Margin (dB) Read Level Ant Factor Cable Loss Preamp Factor APos TPos Remark MHz dBuV/m dBuV/m dBuV dB/m dB dB cm deg 1 2483.54 47.50 54.00 -6.50 45.62 30.49 4.92 33.53 115 89 AVERAGE	Blank