FCC RADIO TEST REPORT

FCC ID	:	APYHRO00342
Equipment	:	Smart phone
Brand Name	:	SHARP
Model Name	:	APYHRO00342
Applicant	:	SHARP CORPORATION 2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN
Manufacturer	:	SHARP CORPORATION 2-1-25, Kyutaromachi, Chuo-ku, Osaka city, Osaka 541-8522, JAPAN
Standard	:	FCC Part 15 Subpart C §15.247

The product was received on May 15, 2026 and testing was performed from May 22, 2026 to Jul. 06, 2026. We, Sporton International Inc. Wensan Laboratory, 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.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

Table of Contents

History of this test report **3**

Summary of Test Result **4**

1 General Description **5**

1.1 Product Feature of Equipment Under Test 5
1.2 Modification of EUT 5
1.3 Testing Location 5
1.4 Applicable Standards 6

2 Test Configuration of Equipment Under Test **7**

2.1 Carrier Frequency and Channel 7
2.2 Test Mode 8
2.3 Connection Diagram of Test System 8
2.4 Support Unit used in test configuration and system 9
2.5 EUT Operation Test Setup 9
2.6 Measurement Results Explanation Example 9

3 Test Result **10**

3.1 6dB and 99% Bandwidth Measurement 10
3.2 Output Power Measurement 11
3.3 Power Spectral Density Measurement 12
3.4 Conducted Band Edges and Spurious Emission Measurement 13
3.5 Radiated Band Edges and Spurious Emission Measurement 14
3.6 AC Conducted Emission Measurement 18
3.7 Antenna Requirements 20

4 List of Measuring Equipment **21**

5 Measurement Uncertainty **23**

Appendix A. Conducted Test Results
Appendix B. AC Conducted Emission Test Result
Appendix C. Radiated Spurious Emission Test Result
Appendix D. Duty Cycle Plots
Appendix E. Setup Photographs

History of this test report

Report No.	Version	Description	Issue Date
FR5D2218C	01	Initial issue of report	Jul. 16, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges	Pass	-
		Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	-
3.6	15.207	AC Conducted Emission	Pass	-
3.7	15.203	Antenna Requirement	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.

Reviewed by: Keven Cheng

Report Producer: Freda Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, GNSS and NFC. **Antenna Type** WLAN: Loop Antenna

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	-0.04

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

The test location is accredited based on TAF code 3786 designated by NCC (National Communication Commission).

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

FCC designation No.: TW3786

Note: The test site complies with ANSI C63.4 2014 requirement.

1.4 Applicable Standards

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

- FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC Part 15 Subpart C §15.247
- ANSI C63.10-2020 + Cor.1-2023

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported 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

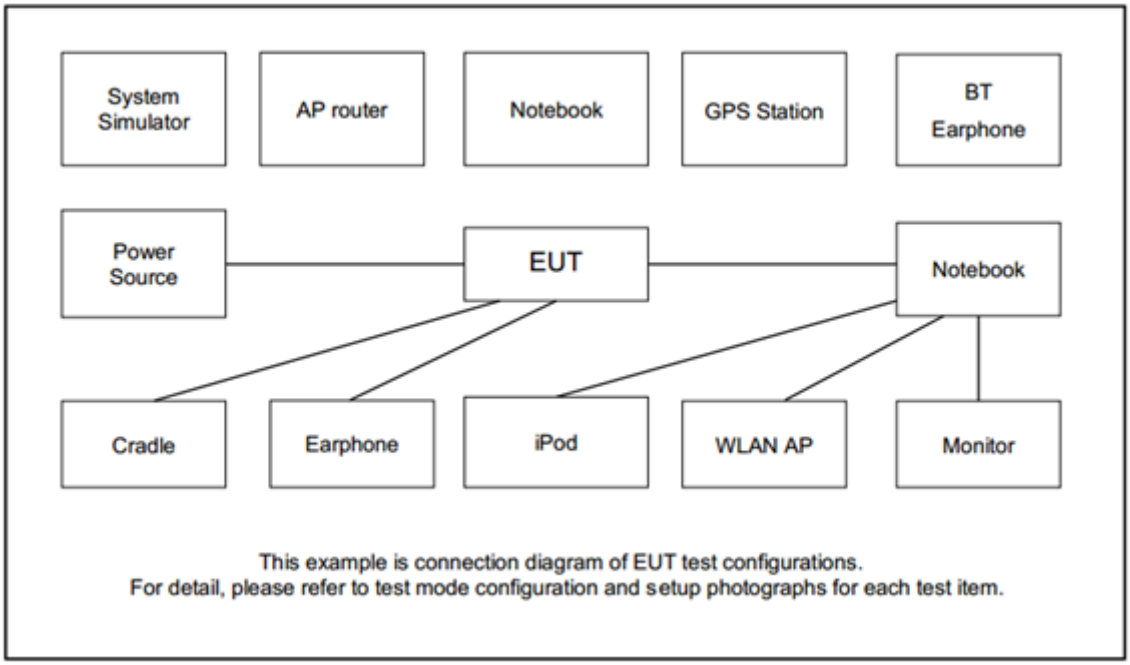
The final test modes include the worst data rates for each modulation shown in the table below.

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 :Bluetooth Link + WLAN(2.4GHz) Link + Earphone + MPEG 4 + USB Cable + Adapter + Battery 1

Remark:
1. For Radiated Test Cases, the tests were performed with Sample 1.
2. The detailed Radiated test modes are shown in Appendix C.
3. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone	SonyErricsson	MW600	PY700A2029	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

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 4.2 dB and 10 dB attenuator.

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

= 4.2 + 10 = 14.2 (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.

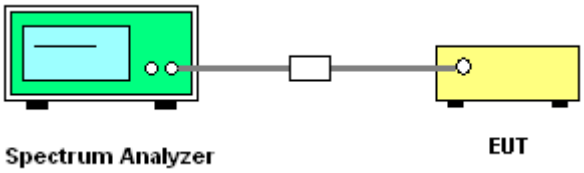
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 1% to 5% of the OBW but not less than 100 kHz. Set the Video bandwidth VBW ≥ 3 * RBW. In order to make an accurate measurement. The 6dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth, and set the Video bandwidth (VBW) ≥ 3 * 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.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi 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 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

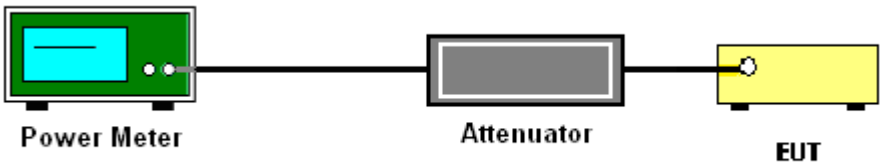
3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to 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 Average Output Power

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 8 dBm in any 3 kHz band at any time interval of continuous transmission.

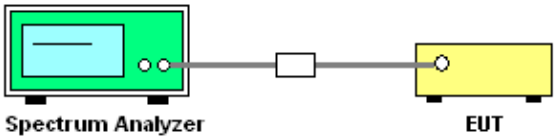
3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to 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 = No faster than coupled (auto) time, 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.

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.

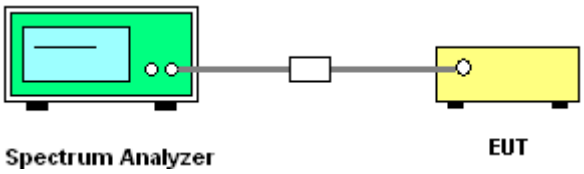
3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to 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

Please refer to Appendix A.

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 is 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

Please refer to the measuring equipment list in this test report.

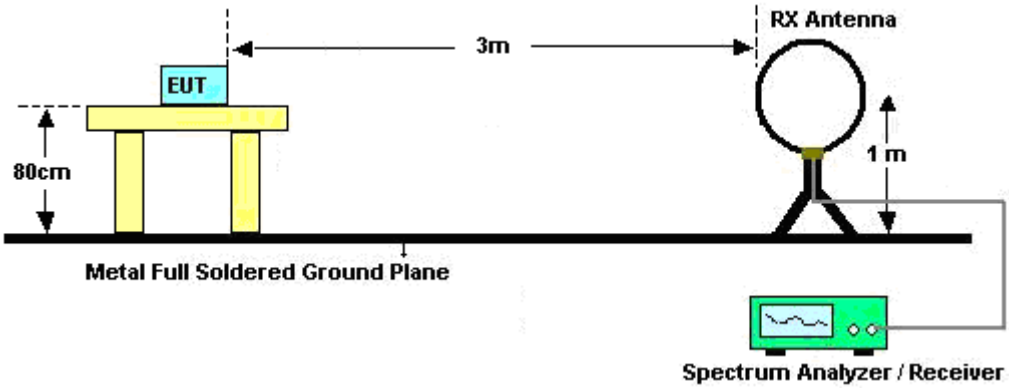
3.5.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is 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 is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-“.

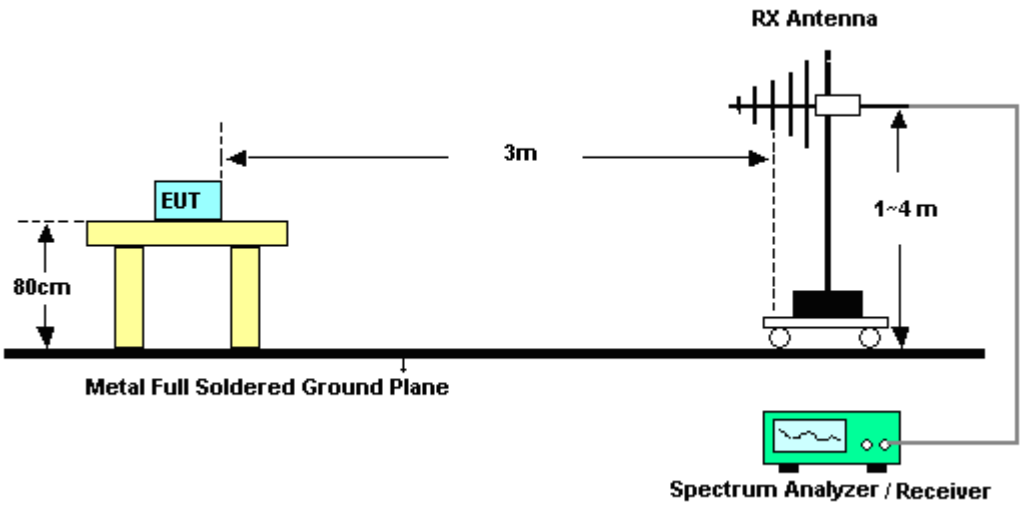
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".
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= 3 MHz 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

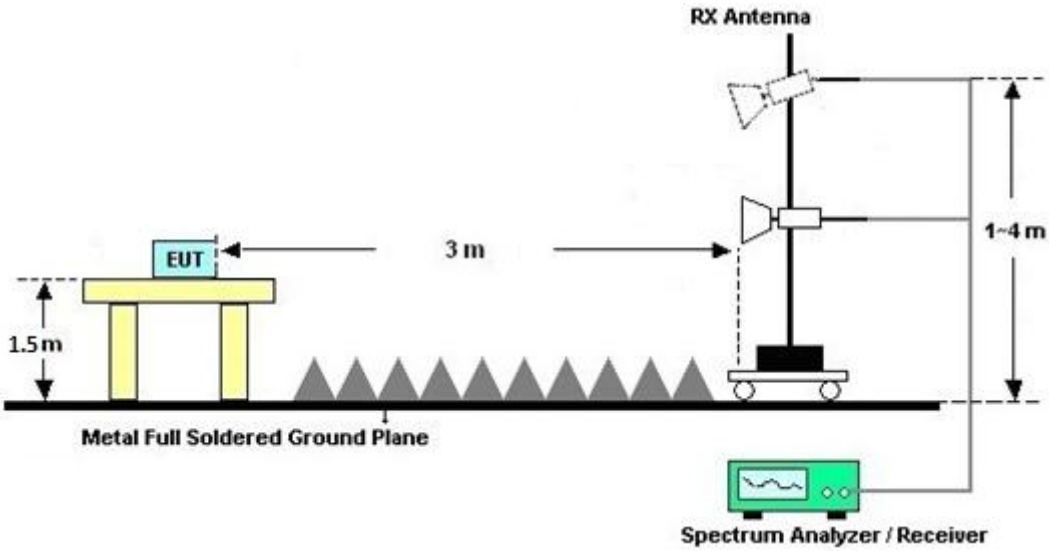
For radiated emissions below 30MHz



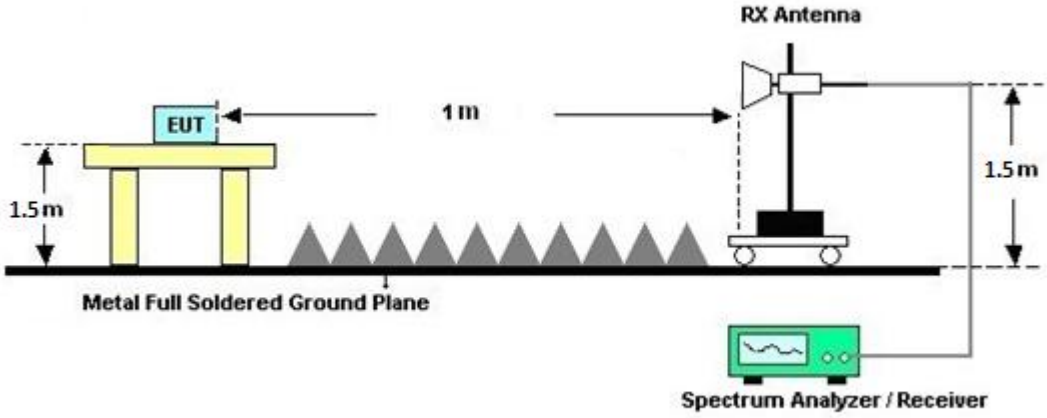
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes 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)

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.

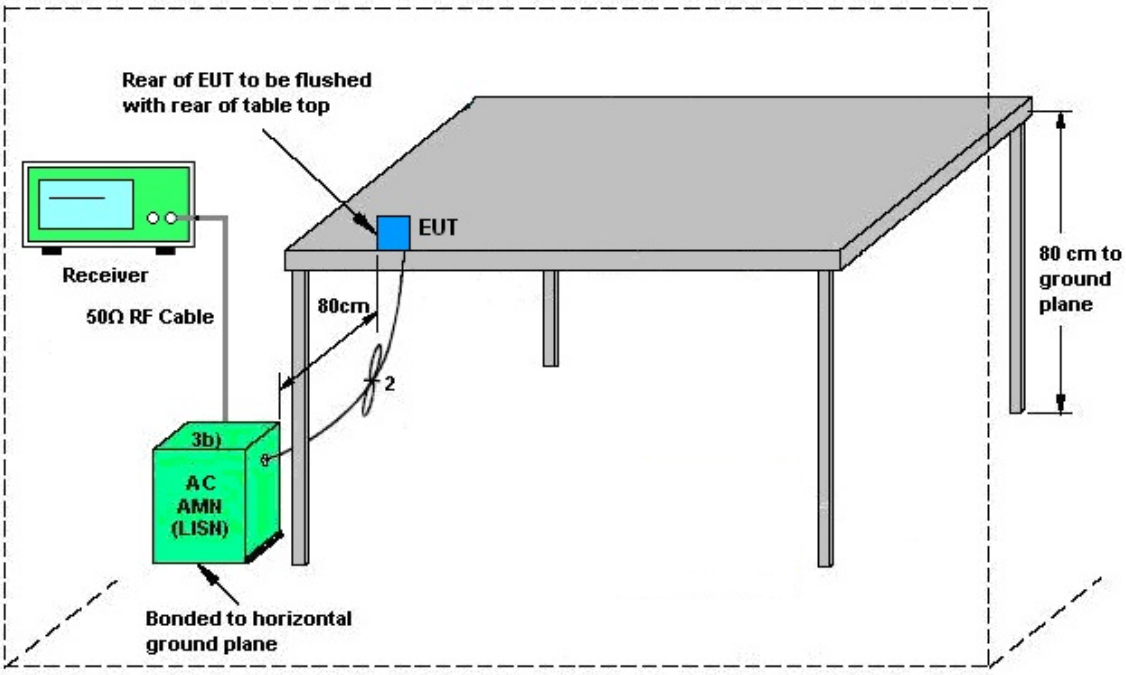
3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.6.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
6. The frequency range from 150 kHz to 30 MHz is scanned.
7. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 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 provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.7.2 Antenna Anti-Replacement Construction

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 11, 2025	May 28, 2026~ Jun. 26, 2026	Dec. 10, 2026	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 26, 2025	May 28, 2026~ Jun. 26, 2026	Nov. 25, 2026	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 02, 2025	May 28, 2026~ Jun. 26, 2026	Jul. 01, 2026	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz-40GHz	Jul. 02, 2025	May 28, 2026~ Jun. 26, 2026	Jul. 01, 2026	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 18, 2026	May 28, 2026~ Jun. 26, 2026	Mar. 17, 2027	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	Feb. 06, 2026	May 28, 2026~ Jun. 26, 2026	Feb. 05, 2027	Radiation (03CH12-HY)
Amplifier	EMCI	EMC051845S E	980729	1GHz-18GHz	Dec. 17, 2025	May 28, 2026~ Jun. 26, 2026	Dec. 16, 2026	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 02, 2025	May 28, 2026~ Jun. 26, 2026	Dec. 01, 2026	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Sep. 09, 2025	May 28, 2026~ Jun. 26, 2026	Sep. 08, 2026	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Sep. 08, 2025	May 28, 2026~ Jun. 26, 2026	Sep. 07, 2026	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX8-5872. 5-6750-18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 11, 2026	May 28, 2026~ Jun. 26, 2026	Mar. 10, 2027	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-2700 -3000-18000-6 0ST	SN2	3GHz High Pass Filter	Mar. 11, 2026	May 28, 2026~ Jun. 26, 2026	Mar. 10, 2027	Radiation (03CH12-HY)
Notch Filter	Wainwright	WHKX12-900- 1000-15000-60 SS	SN11	1GHz High Pass Filter	Mar. 11, 2026	May 28, 2026~ Jun. 26, 2026	Mar. 10, 2027	Radiation (03CH12-HY)
Notch Filter	Wainwright	WLK4-1000-15 30-8000-40SS	SN111	1.53GHz Low Pass Filter	Nov. 04, 2025	May 28, 2026~ Jun. 26, 2026	Nov. 03, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803955/2	30MHz~40GHz	Oct. 31, 2025	May 28, 2026~ Jun. 26, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Oct. 31, 2025	May 28, 2026~ Jun. 26, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
RF Cable	EMCI	EMC101Y-KM- KM-1000	240905	30MHz~40GHz	Oct. 31, 2025	May 28, 2026~ Jun. 26, 2026	Oct. 30, 2026	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210090	N/A	Aug. 26, 2025	May 28, 2026~ Jun. 26, 2026	Aug. 25, 2026	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	May 28, 2026~ Jun. 26, 2026	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	May 28, 2026~ Jun. 26, 2026	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	May 28, 2026~ Jun. 26, 2026	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	May 28, 2026~ Jun. 26, 2026	N/A	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jun. 02, 2026	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jun. 02, 2026	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2025	Jun. 02, 2026	Oct. 19, 2026	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 02, 2026	Jun. 02, 2026	Mar. 01, 2027	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Apr. 09, 2026	Jun. 02, 2026	Apr. 08, 2027	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Apr. 10, 2026	Jun. 02, 2026	Apr. 10, 2027	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2025	Jun. 02, 2026	Oct. 20, 2026	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	May 22, 2026~ Jul. 06, 2026	Nov. 03, 2026	Conducted (TH05-HY)
USB RF Power Sensor	DARE	RPR3006W	17I00015SNO37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	May 22, 2026~ Jul. 06, 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV3044	101466	10HZ~44GHZ	Nov. 12, 2025	May 22, 2026~ Jul. 06, 2026	Nov. 11, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 29, 2025	May 22, 2026~ Jul. 06, 2026	Aug. 28, 2026	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900067 (BOX7)	N/A	Jul. 02, 2025	May 22, 2026~ Jun. 30, 2026	Jul. 01, 2026	Conducted (TH05-HY)
Switch Control Mainframe	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Dec. 29, 2025	Jun. 30, 2026~ Jul. 06, 2026	Dec. 28, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	May 22, 2026~ Jul. 06, 2026	N/A	Conducted (TH05-HY)

5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.7 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.5 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

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

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.7 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	YEN WU	Temperature:	21~25	°C
Test Date:	2026/05/22~2026/07/06	Relative Humidity:	51~54	%

Report Number : FR5D2218C

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant 4	Ant2	Ant 4	Ant2		
11b	1Mbps	1	1	2412	13.06	-	8.62	-	0.50	Pass
11b	1Mbps	1	6	2437	13.23	-	8.17	-	0.50	Pass
11b	1Mbps	1	11	2462	13.28	-	8.63	-	0.50	Pass
11g	6Mbps	1	1	2412	17.43	-	16.18	-	0.50	Pass
11g	6Mbps	1	6	2437	17.62	-	16.15	-	0.50	Pass
11g	6Mbps	1	11	2462	17.23	-	16.06	-	0.50	Pass
HT20	MCS0	1	1	2412	18.39	-	17.49	-	0.50	Pass
HT20	MCS0	1	6	2437	18.56	-	17.47	-	0.50	Pass
HT20	MCS0	1	11	2462	18.08	-	17.26	-	0.50	Pass
HT40	MCS0	1	3	2422	36.46	-	33.36	-	0.50	Pass
HT40	MCS0	1	6	2437	36.77	-	35.92	-	0.50	Pass
HT40	MCS0	1	9	2452	36.43	-	34.14	-	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna																
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
					Ant 4	Ant2	SUM	Ant 4	Ant2	Ant 4	Ant2	Ant 4	Ant2	Ant 4	Ant2	
11b	1Mbps	1	1	2412	18.00	-		30.00	-	-0.04	-	17.96	-	36.00	-	Pass
11b	1Mbps	1	6	2437	18.70	-		30.00	-	-0.04	-	18.66	-	36.00	-	Pass
11b	1Mbps	1	11	2462	18.80	-		30.00	-	-0.04	-	18.76	-	36.00	-	Pass
11g	6Mbps	1	1	2412	16.80	-		30.00	-	-0.04	-	16.76	-	36.00	-	Pass
11g	6Mbps	1	6	2437	18.70	-		30.00	-	-0.04	-	18.66	-	36.00	-	Pass
11g	6Mbps	1	10	2457	18.50	-		30.00	-	-0.04	-	18.46	-	36.00	-	Pass
11g	6Mbps	1	11	2462	14.80	-		30.00	-	-0.04	-	14.76	-	36.00	-	Pass
HT20	MCS0	1	1	2412	16.40	-		30.00	-	-0.04	-	16.36	-	36.00	-	Pass
HT20	MCS0	1	6	2437	18.70	-		30.00	-	-0.04	-	18.66	-	36.00	-	Pass
HT20	MCS0	1	10	2457	18.60	-		30.00	-	-0.04	-	18.56	-	36.00	-	Pass
HT20	MCS0	1	11	2462	14.60	-		30.00	-	-0.04	-	14.56	-	36.00	-	Pass
HT40	MCS0	1	3	2422	15.20	-		30.00	-	-0.04	-	15.16	-	36.00	-	Pass
HT40	MCS0	1	6	2437	15.70	-		30.00	-	-0.04	-	15.66	-	36.00	-	Pass
HT40	MCS0	1	9	2452	13.80	-		30.00	-	-0.04	-	13.76	-	36.00	-	Pass
VHT20	MCS0	1	1	2412	16.30	-		30.00	-	-0.04	-	16.26	-	36.00	-	Pass
VHT20	MCS0	1	6	2437	18.60	-		30.00	-	-0.04	-	18.56	-	36.00	-	Pass
VHT20	MCS0	1	11	2462	14.50	-		30.00	-	-0.04	-	14.46	-	36.00	-	Pass
VHT40	MCS0	1	3	2422	15.10	-		30.00	-	-0.04	-	15.06	-	36.00	-	Pass
VHT40	MCS0	1	6	2437	15.60	-		30.00	-	-0.04	-	15.56	-	36.00	-	Pass
VHT40	MCS0	1	9	2452	13.70	-		30.00	-	-0.04	-	13.66	-	36.00	-	Pass

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

Report Number : FR5D2218C

TEST RESULTS DATA
Peak Power Spectral Density

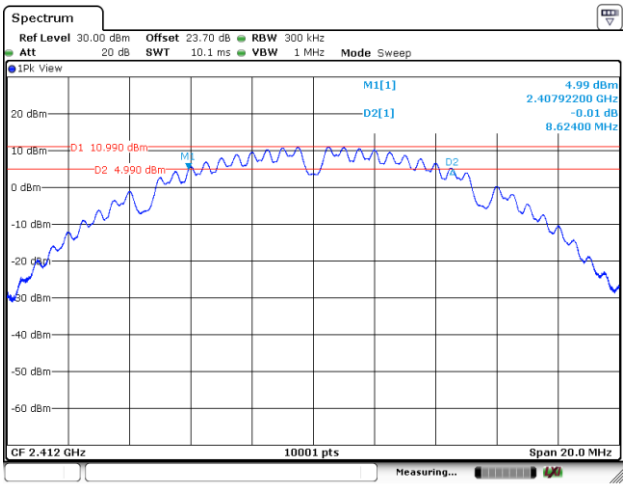
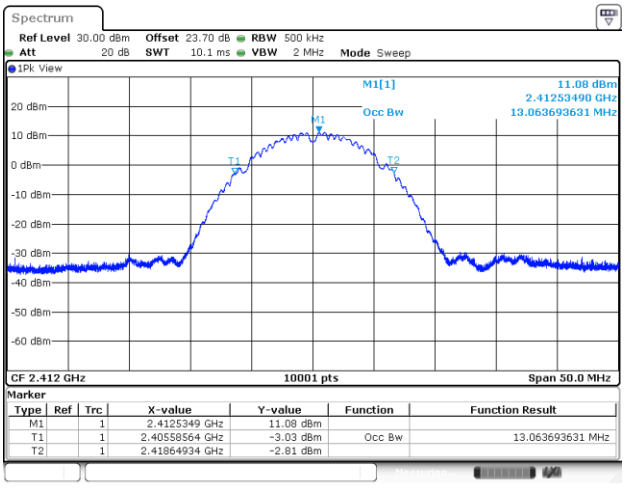
2.4GHz Band Single Antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant 4	Ant2	Worse + 3.01	Ant 4	Ant2	Ant 4	Ant2	
11b	1Mbps	1	1	2412	-2.89	-		-0.04	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-2.60	-		-0.04	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-1.85	-		-0.04	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-6.89	-		-0.04	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-4.86	-		-0.04	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-8.77	-		-0.04	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-7.99	-		-0.04	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-5.79	-		-0.04	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-9.90	-		-0.04	-	8.00	-	Pass
HT40	MCS0	1	3	2422	-11.11	-		-0.04	-	8.00	-	Pass
HT40	MCS0	1	6	2437	-12.51	-		-0.04	-	8.00	-	Pass
HT40	MCS0	1	9	2452	-12.82	-		-0.04	-	8.00	-	Pass

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

6dB and 99% Occupied Bandwidth

<802.11b>

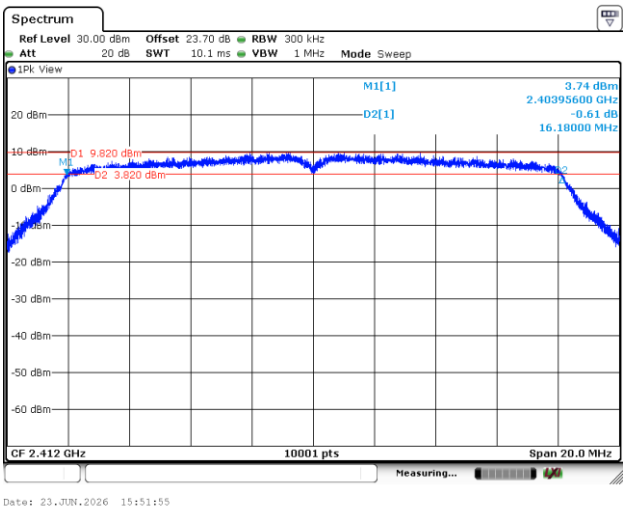
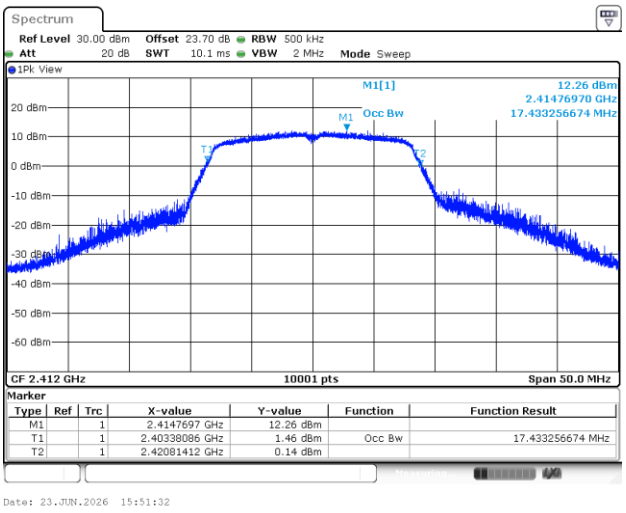
SISO <Ant. 4>

6dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11g>

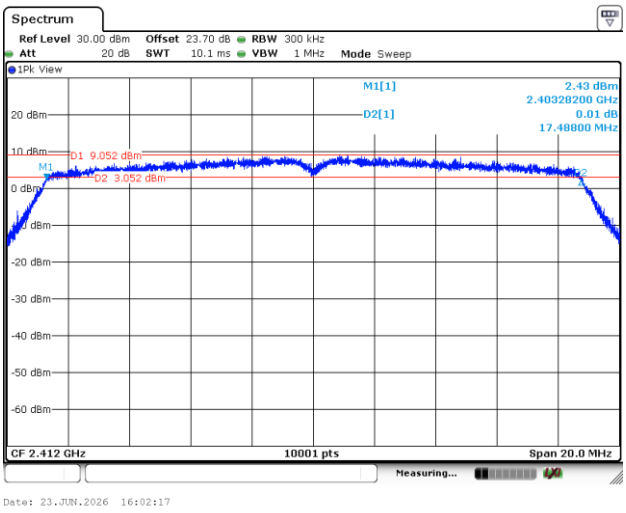
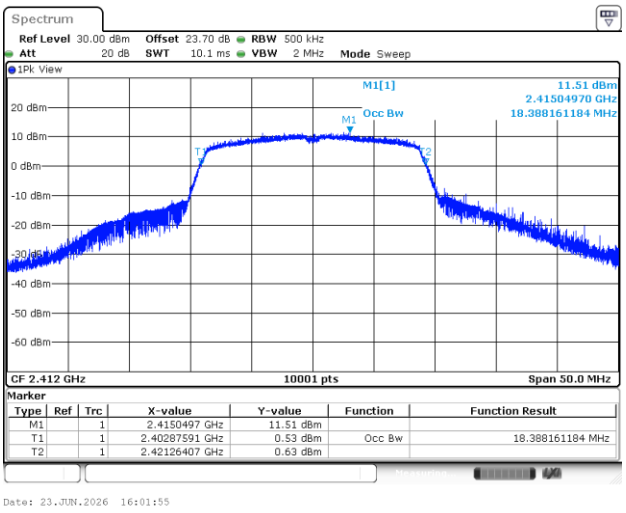
SISO <Ant. 4>

6dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11gN HT20>

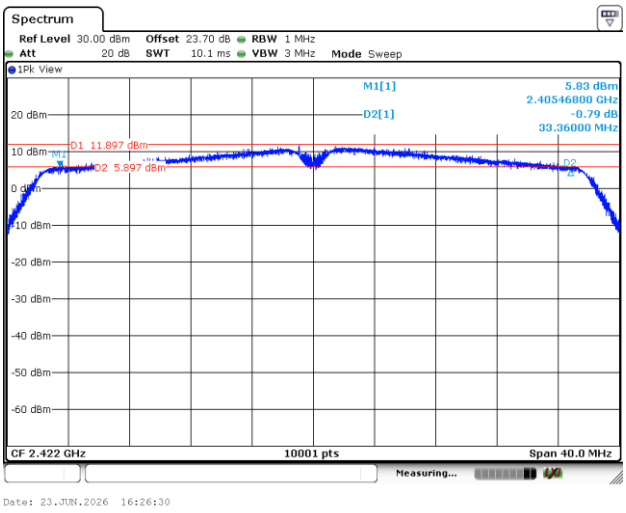
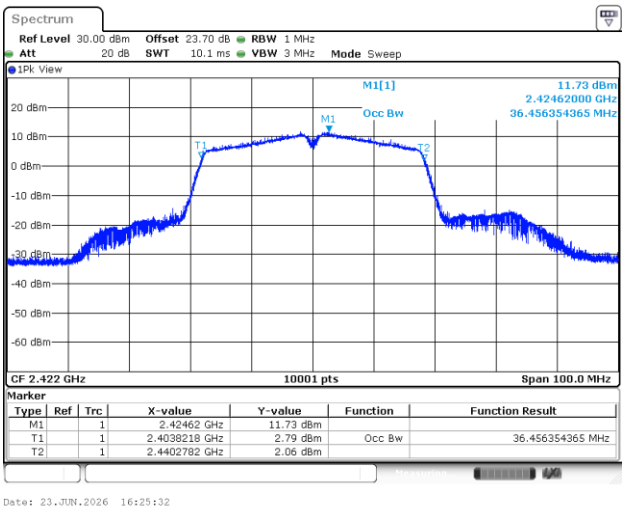
SISO <Ant. 4>

6dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11gN HT40>

SISO <Ant. 4>

6dB Bandwidth	99% Occupied Bandwidth
	

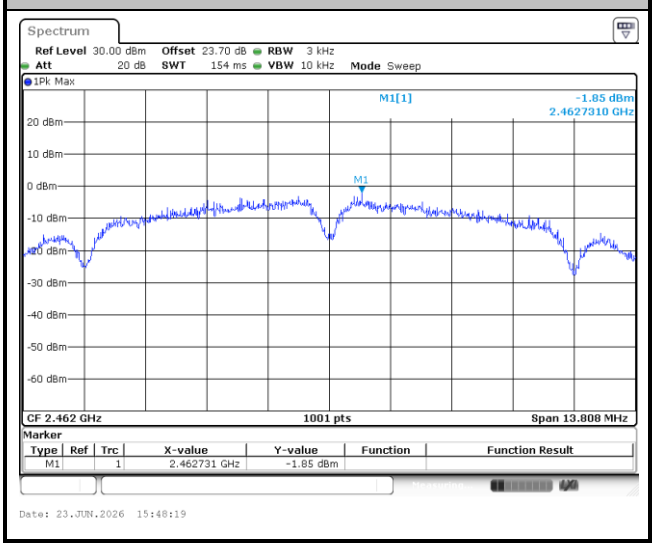
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Power Spectral Density(dBm/3kHz)

<802.11b>

SISO <Ant. 4>

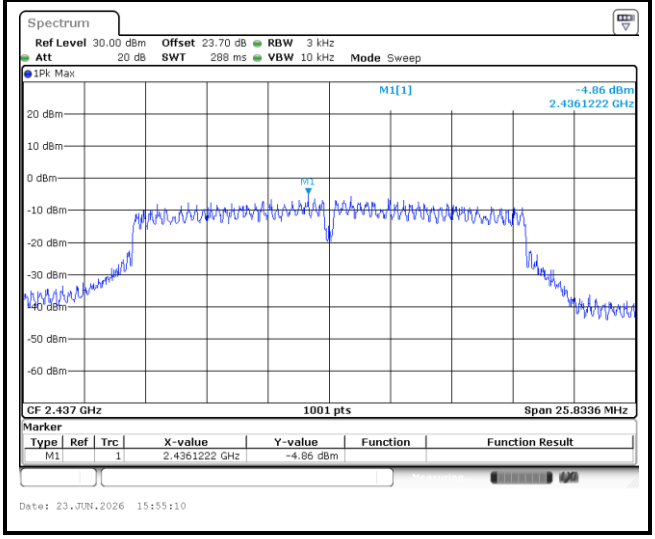
Worst Case Power Density (dBm/3kHz)



<802.11g>

SISO <Ant. 4>

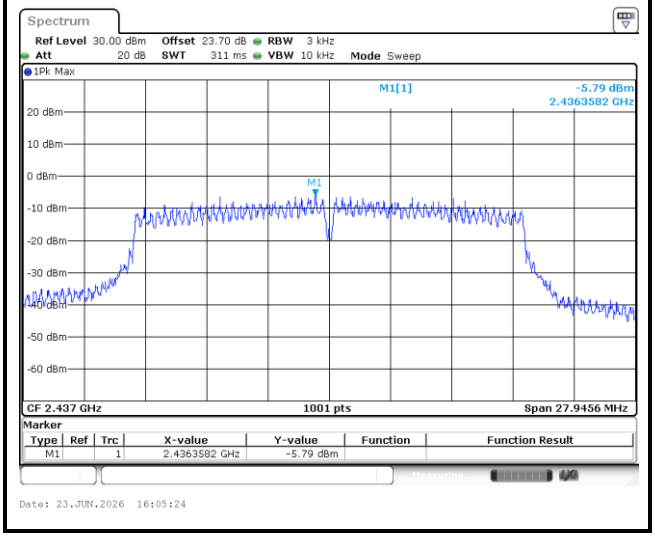
Worst Case Power Density (dBm/3kHz)



<802.11gN HT20>

SISO <Ant. 4>

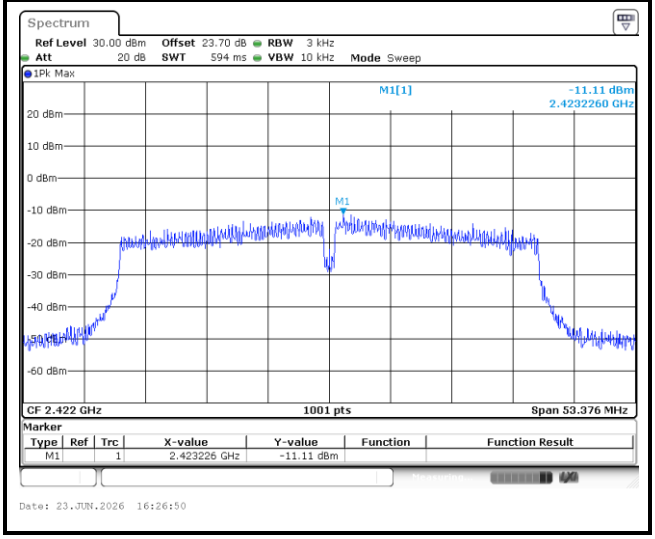
Worst Case Power Density (dBm/3kHz)



<802.11gN HT40>

SISO <Ant. 4>

Worst Case Power Density (dBm/3kHz)

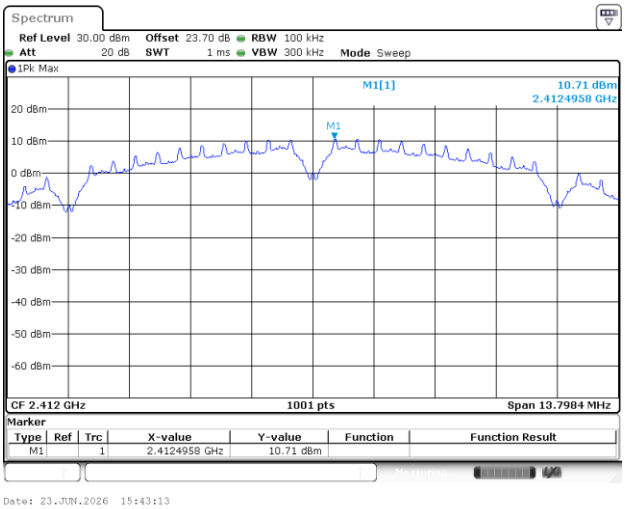


Band Edges and Spurious Emission

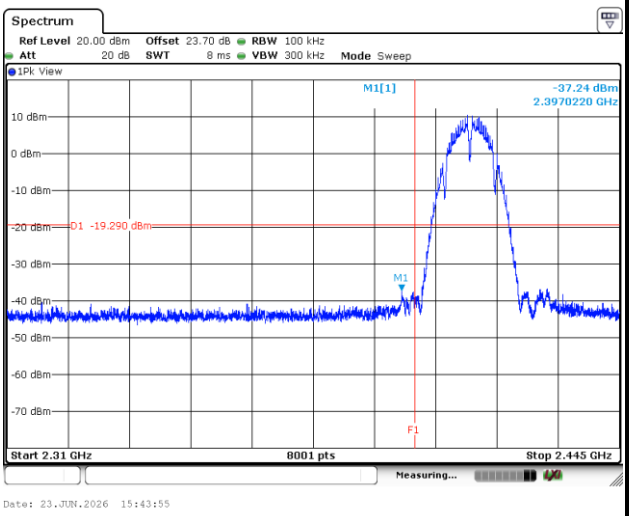
Number of TX = 1, Ant. 4 (Measured)

Test Mode :	802.11b	Test Channel :	01

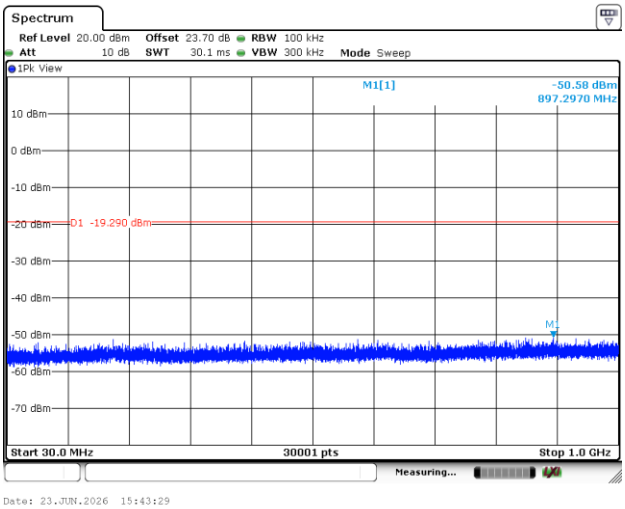
100kHz PSD reference Level



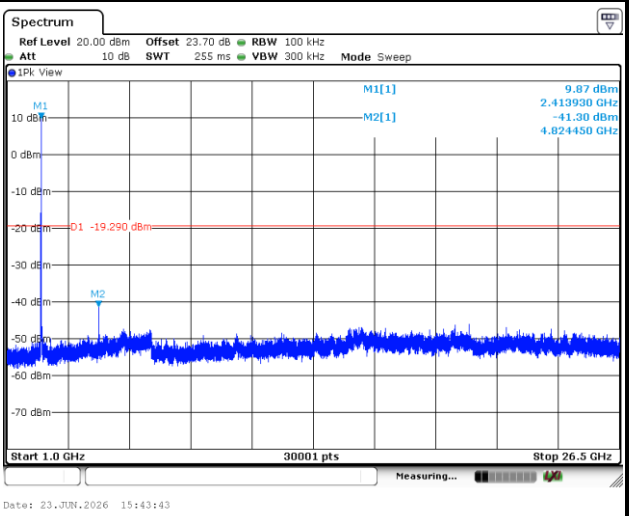
Channel 01 Plot



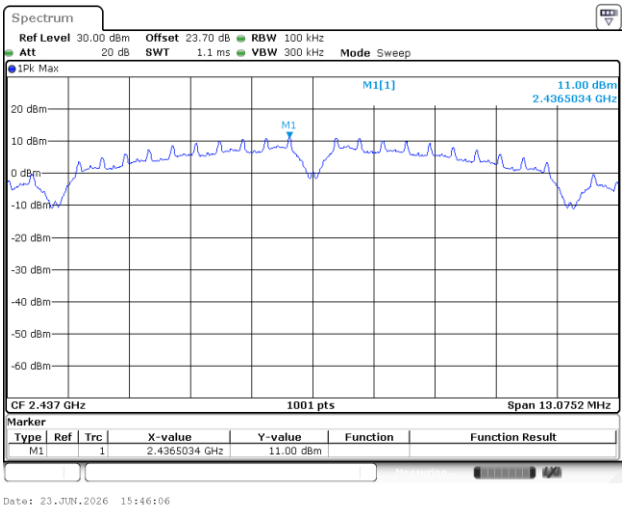
Spurious Emission 30MHz~1GHz

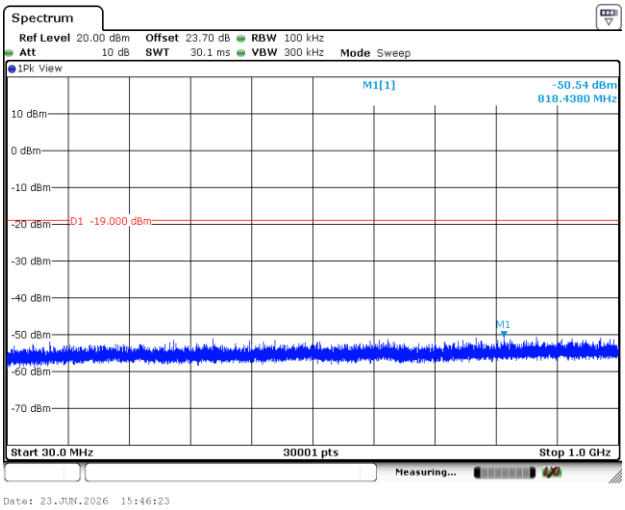
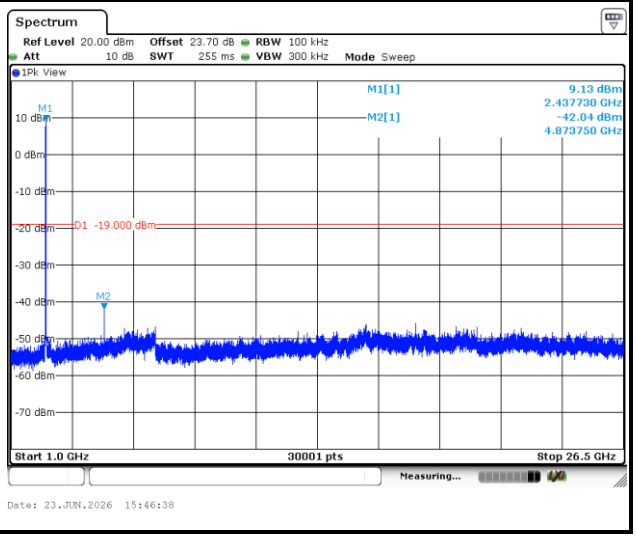


Spurious Emission 1GHz~26.5GHz



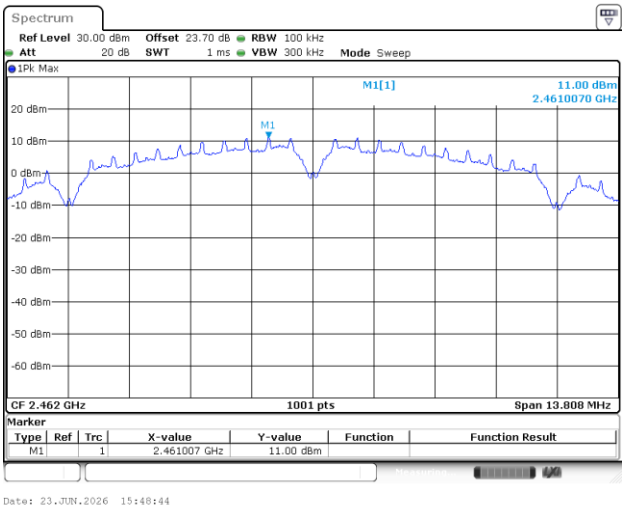
Test Mode :	802.11b	Test Channel :	06

100kHz PSD reference Level	Channel 06 Plot
	

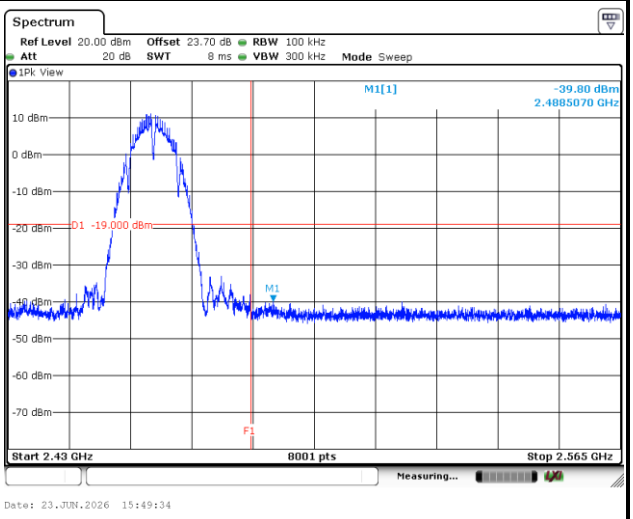
Spurious Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	

Test Mode :	802.11b	Test Channel :	11

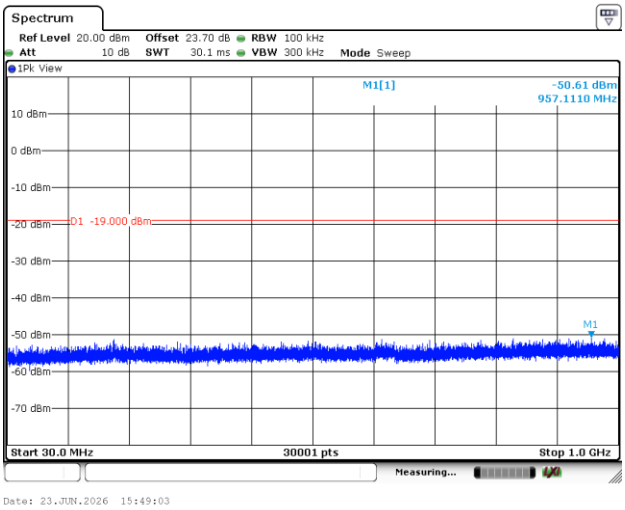
100kHz PSD reference Level



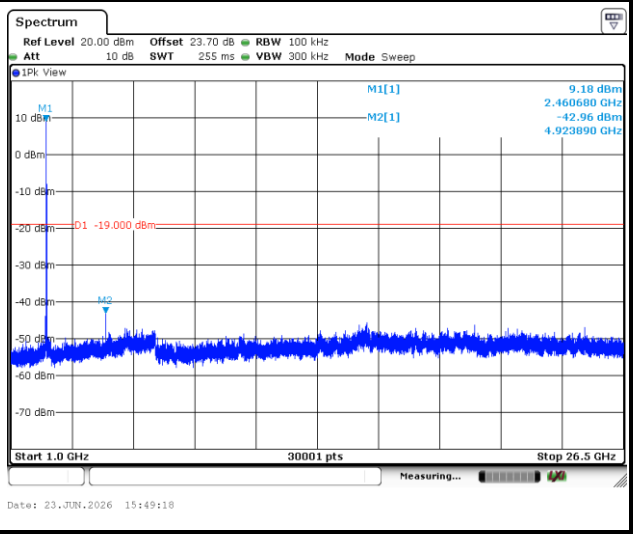
Channel 11 Plot



Spurious Emission 30MHz~1GHz

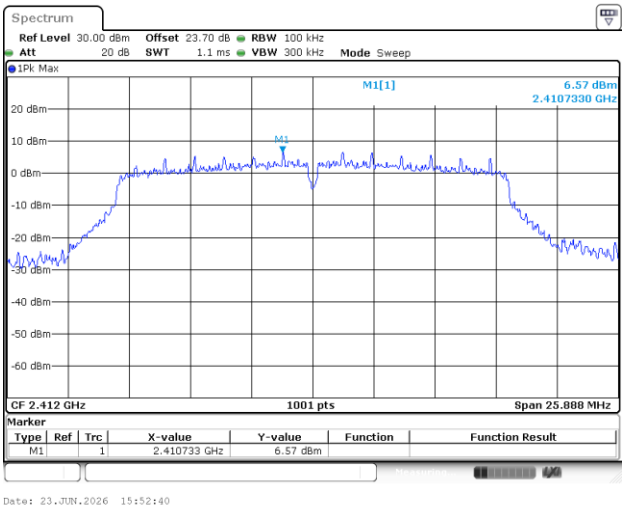


Spurious Emission 1GHz~26.5GHz

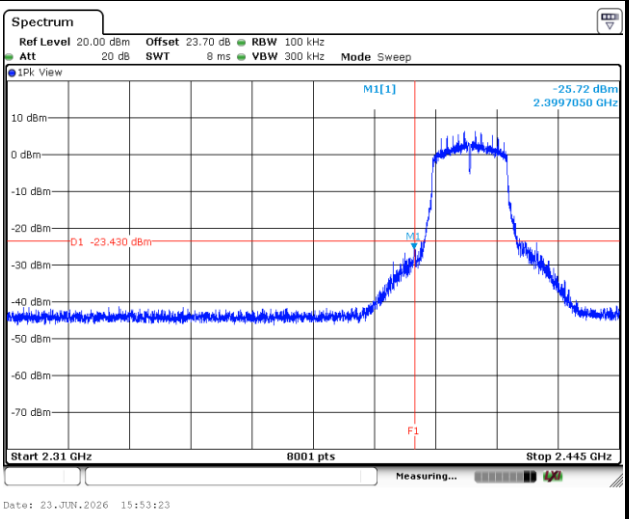


Test Mode :	802.11g	Test Channel :	01

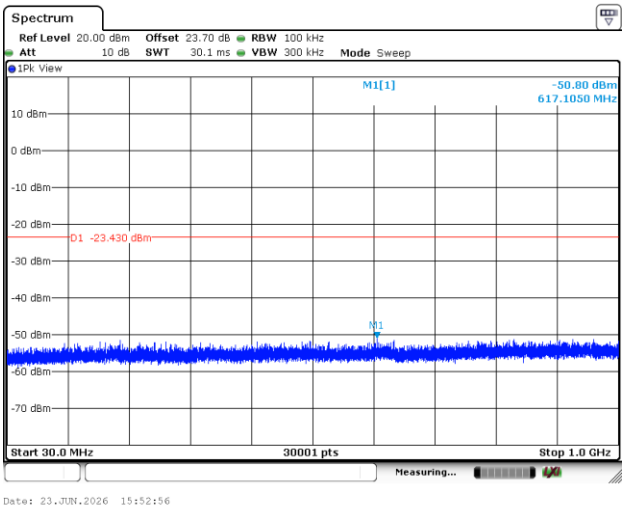
100kHz PSD reference Level



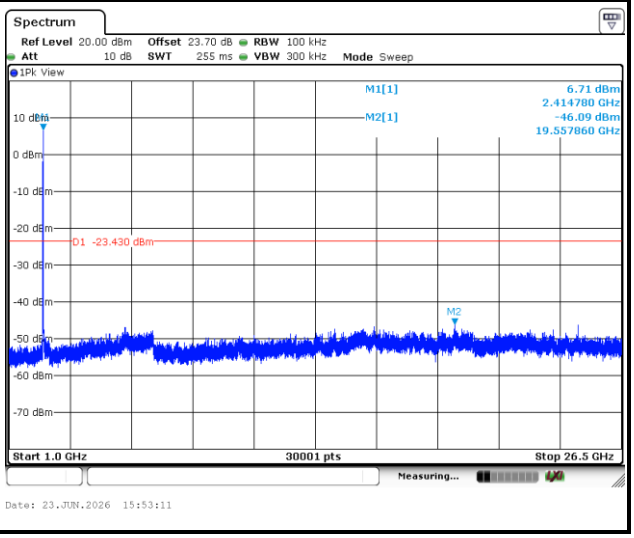
Channel 01 Plot



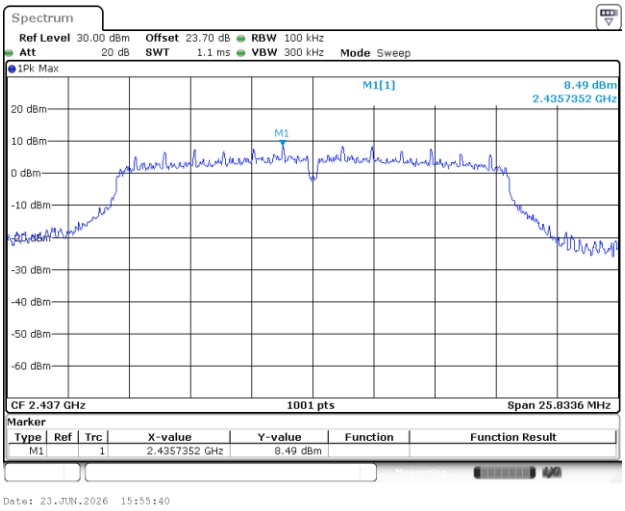
Spurious Emission 30MHz~1GHz

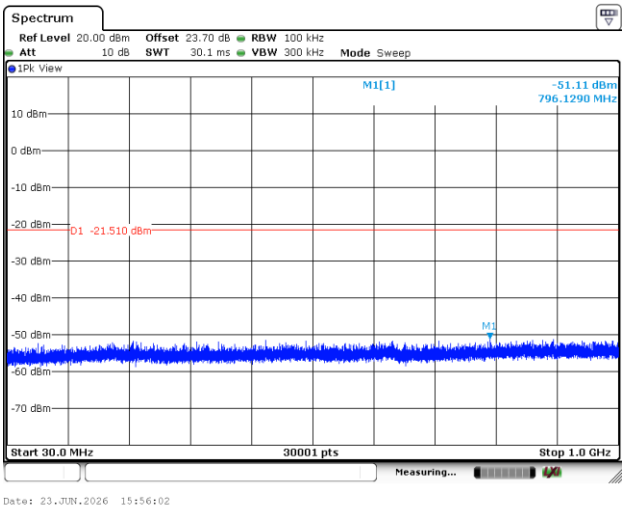
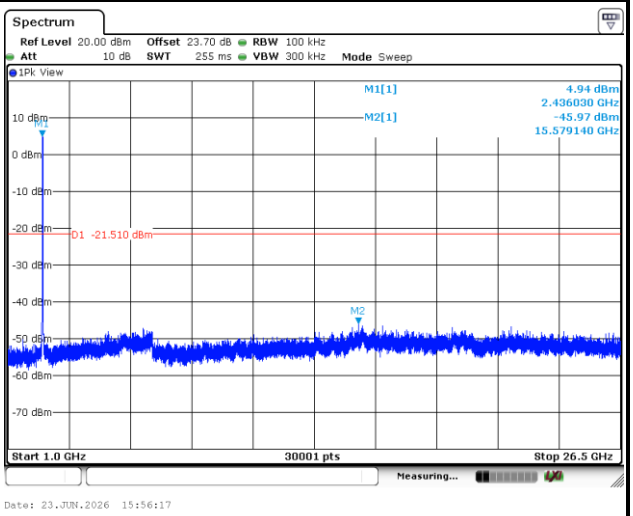


Spurious Emission 1GHz~26.5GHz



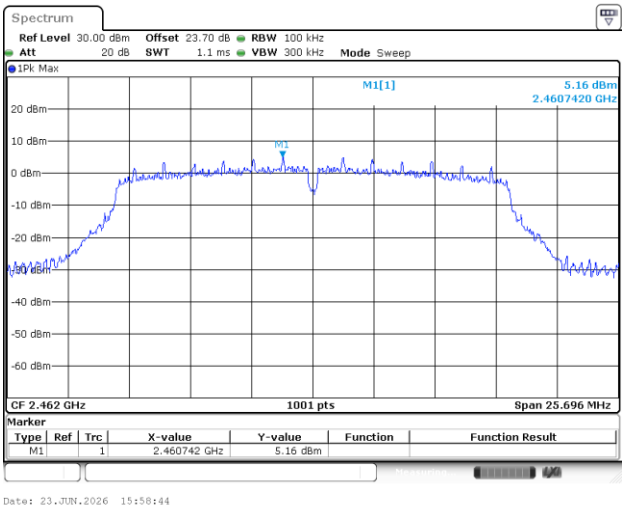
Test Mode :	802.11g	Test Channel :	06

100kHz PSD reference Level	Channel 06 Plot
	

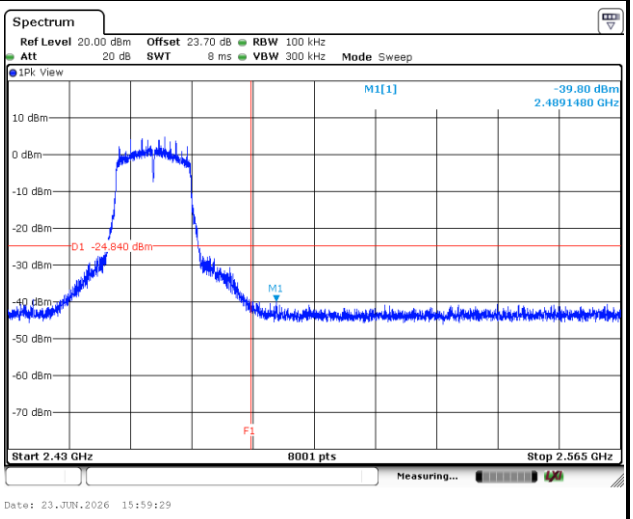
Spurious Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	

Test Mode :	802.11g	Test Channel :	11

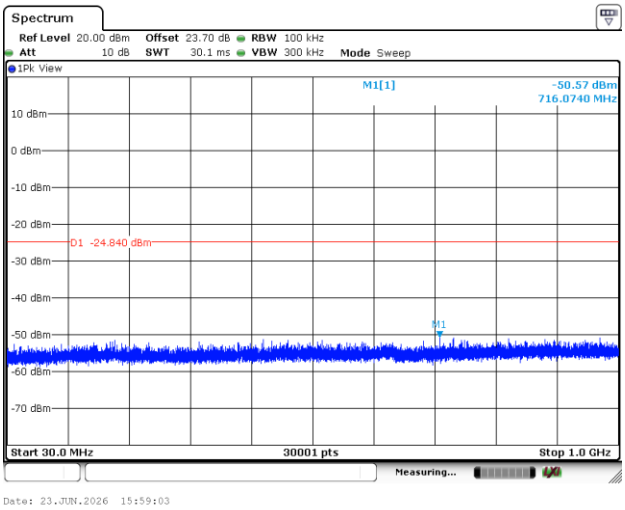
100kHz PSD reference Level



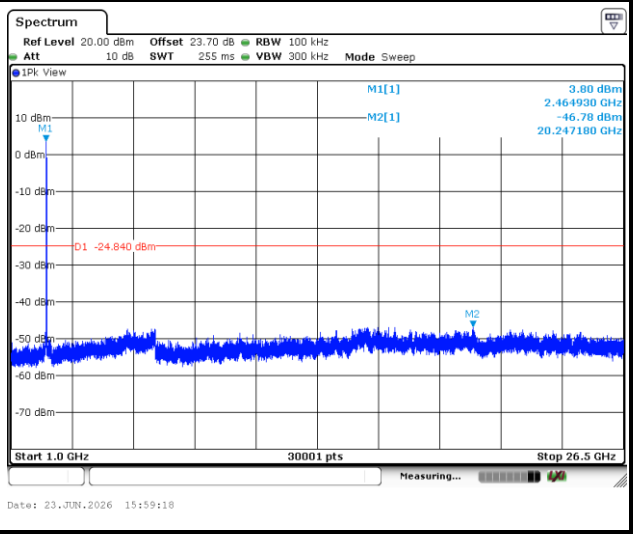
Channel 11 Plot



Spurious Emission 30MHz~1GHz

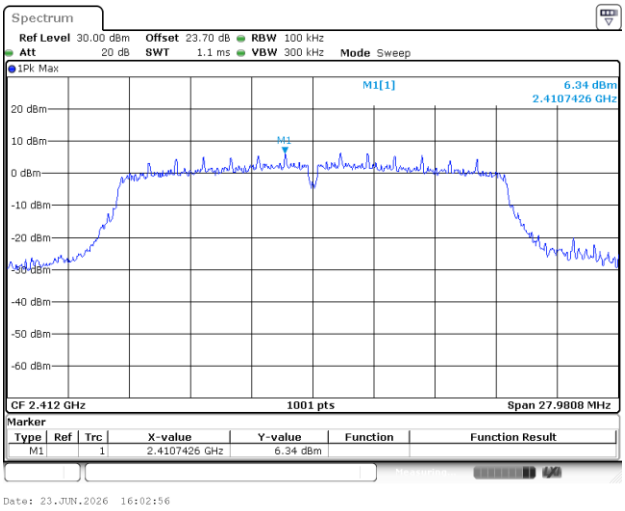


Spurious Emission 1GHz~26.5GHz

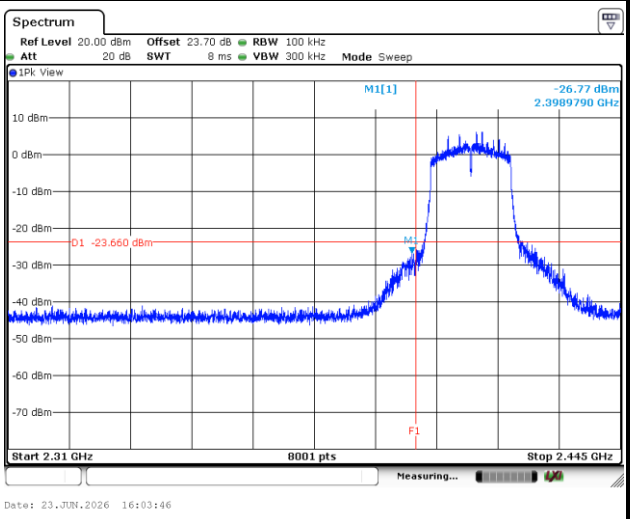


Test Mode :	802.11gN20	Test Channel :	01

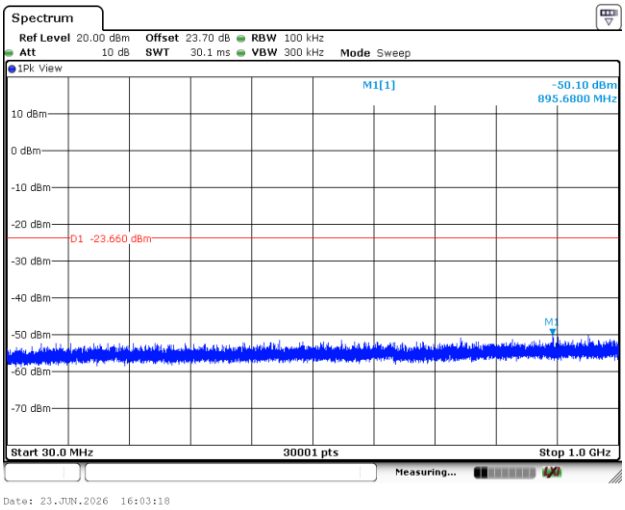
100kHz PSD reference Level



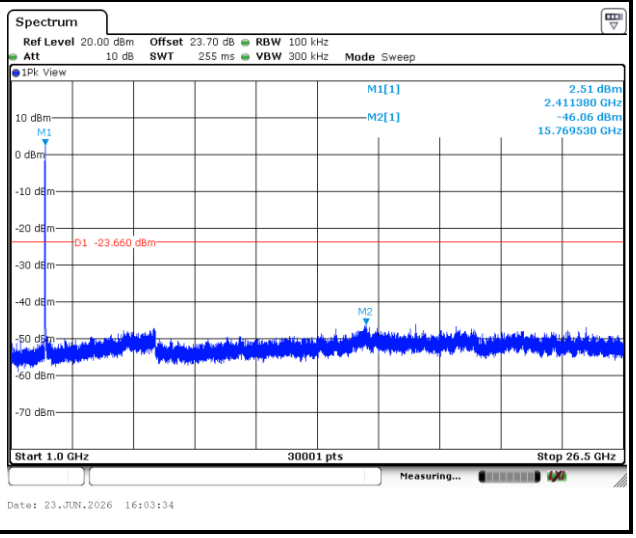
Channel 01 Plot



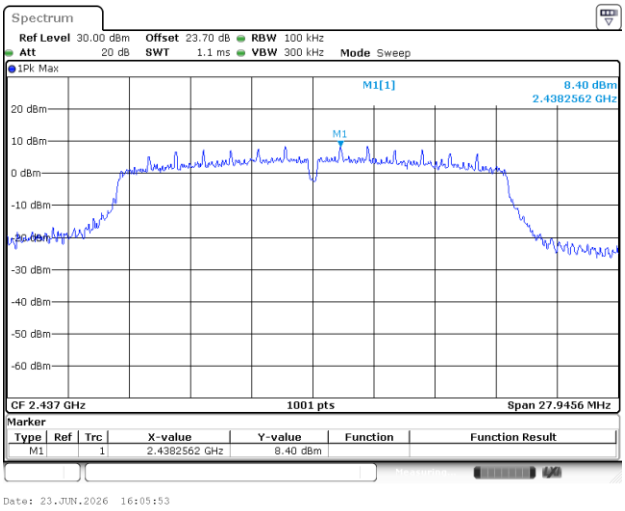
Spurious Emission 30MHz~1GHz

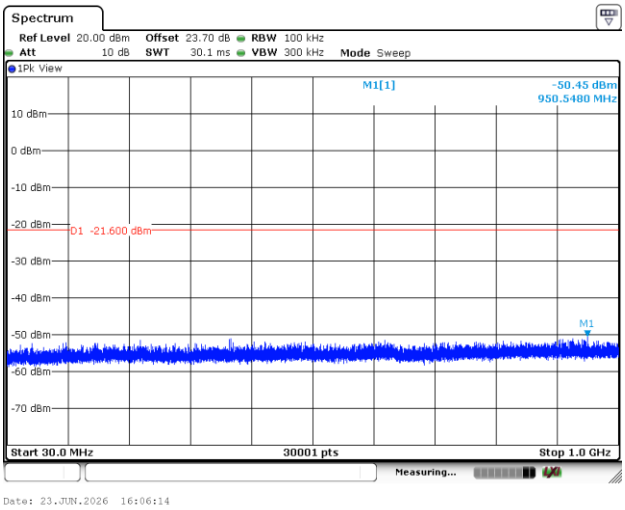
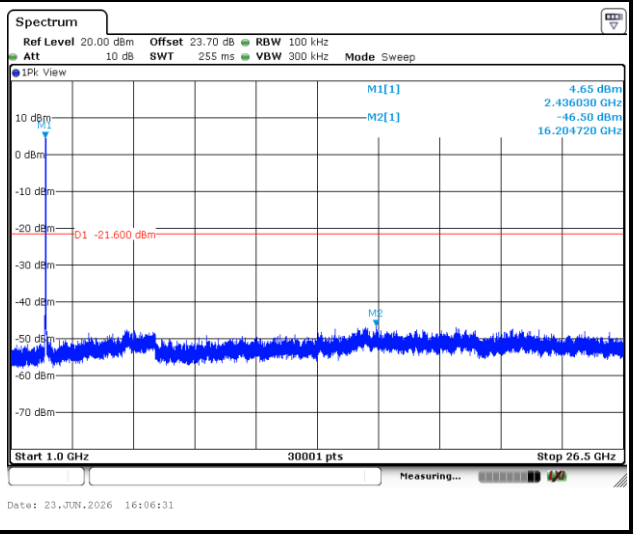


Spurious Emission 1GHz~26.5GHz



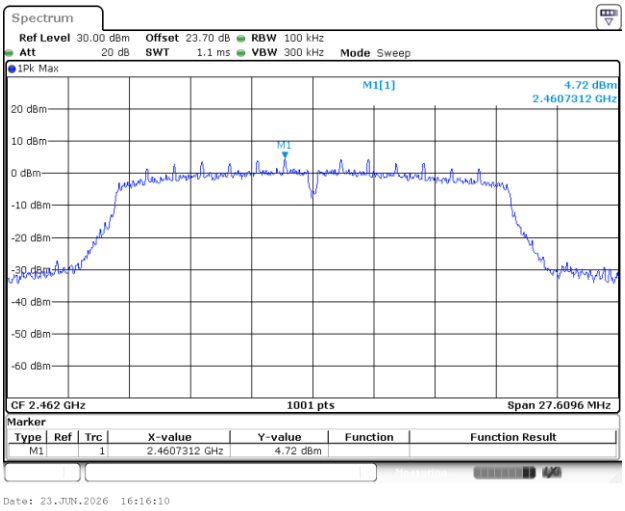
Test Mode :	802.11gN20	Test Channel :	06

100kHz PSD reference Level	Channel 06 Plot
	

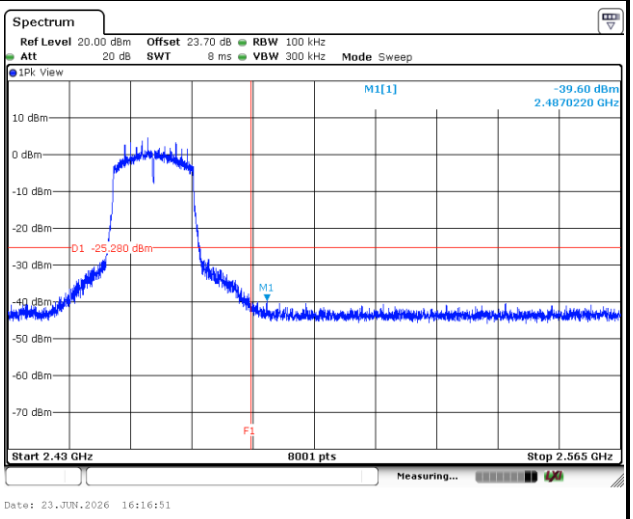
Spurious Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	

Test Mode :	802.11gN20	Test Channel :	11

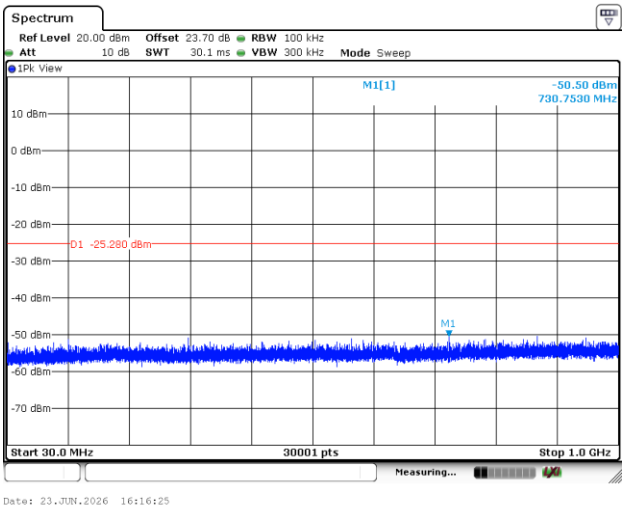
100kHz PSD reference Level



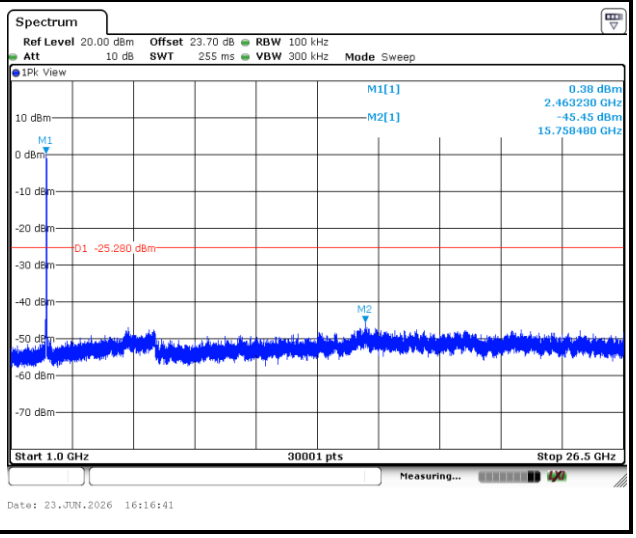
Channel 11 Plot



Spurious Emission 30MHz~1GHz

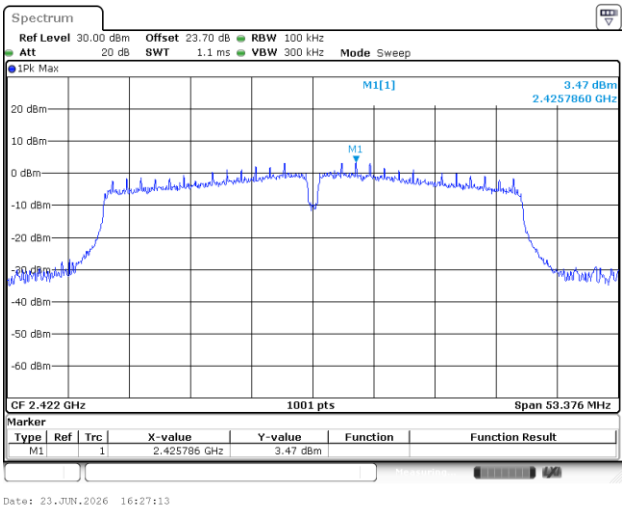


Spurious Emission 1GHz~26.5GHz

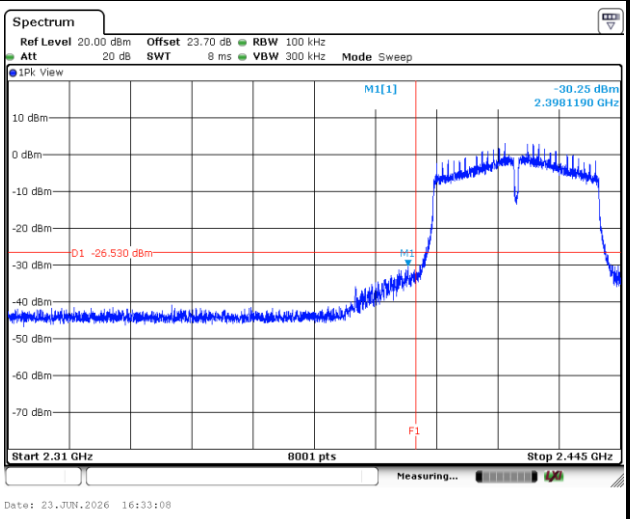


Test Mode :	802.11gN40	Test Channel :	03

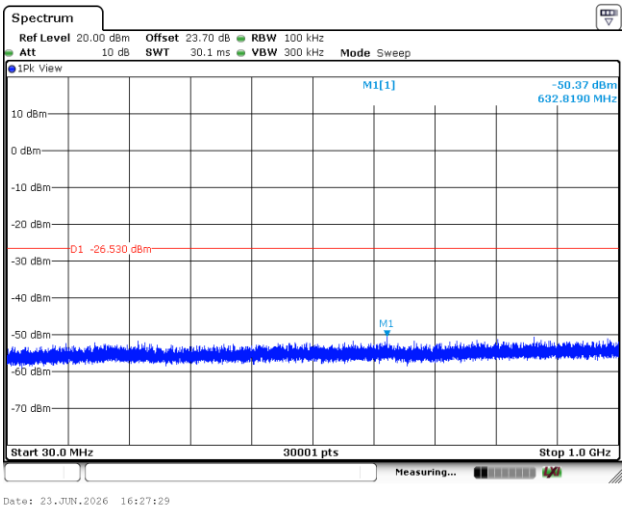
100kHz PSD reference Level



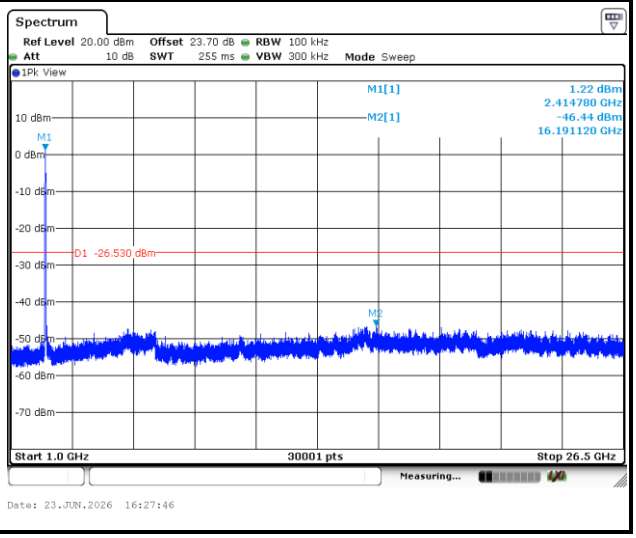
Channel 03 Plot



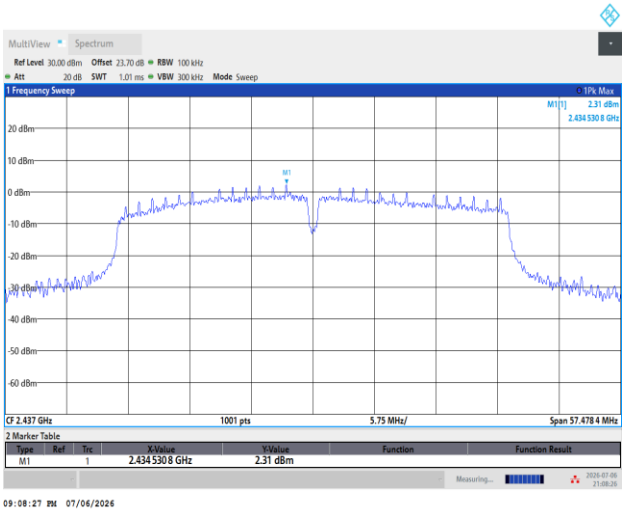
Spurious Emission 30MHz~1GHz

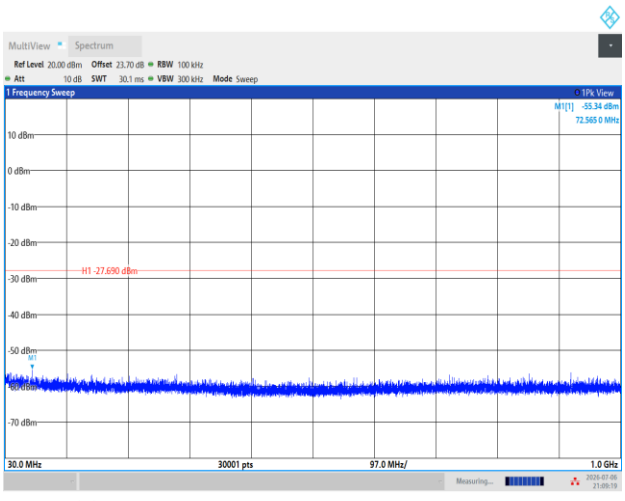
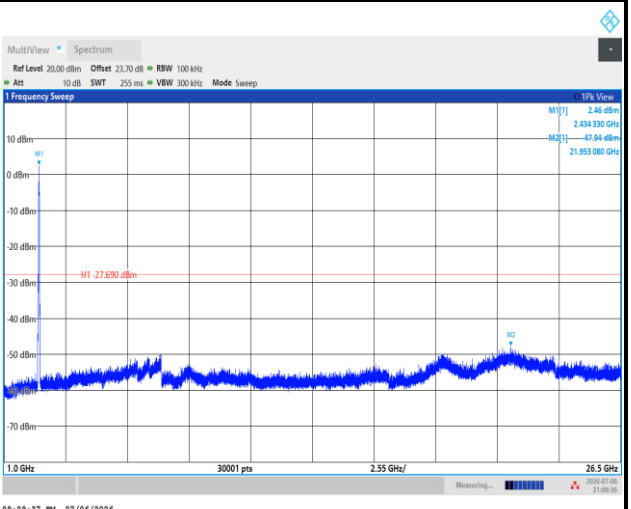


Spurious Emission 1GHz~26.5GHz



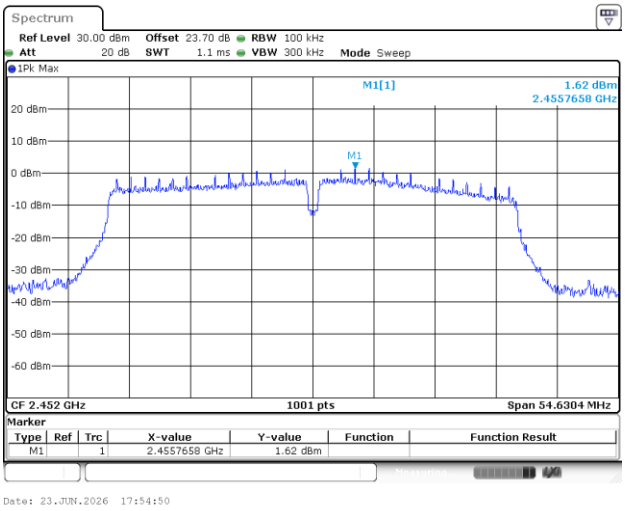
Test Mode :	802.11gN40	Test Channel :	06

100kHz PSD reference Level	Channel 06 Plot
	

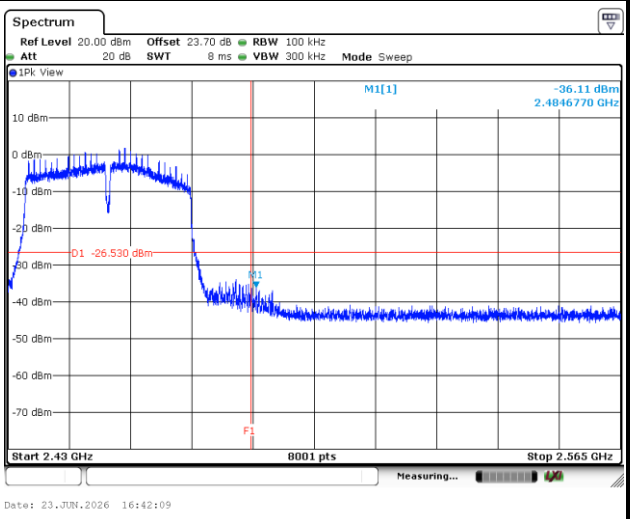
Spurious Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	

Test Mode :	802.11gN40	Test Channel :	09

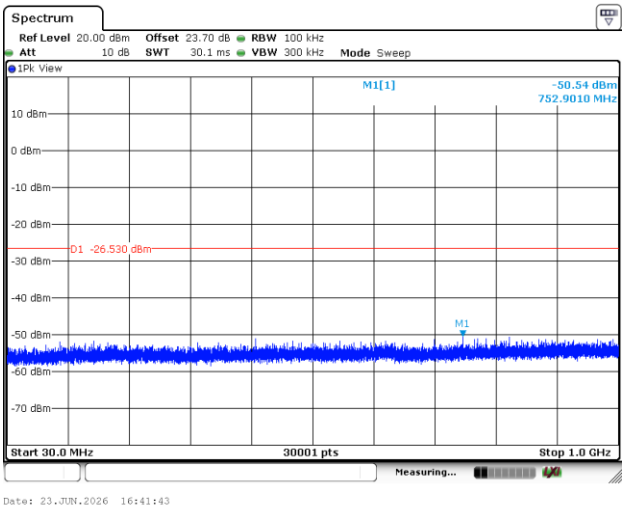
100kHz PSD reference Level



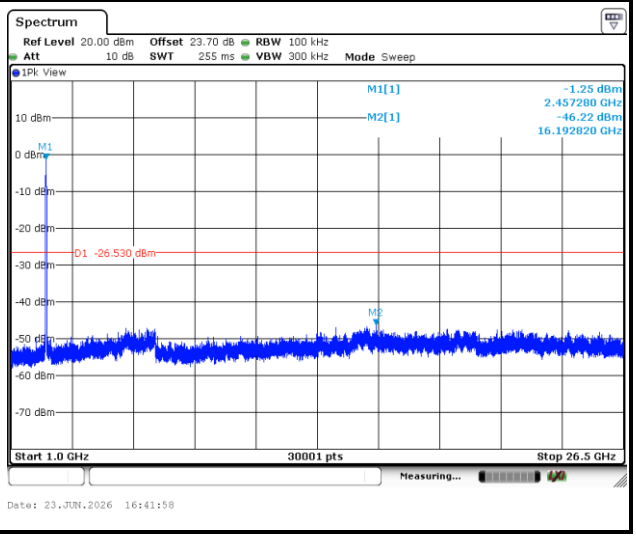
Channel 09 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

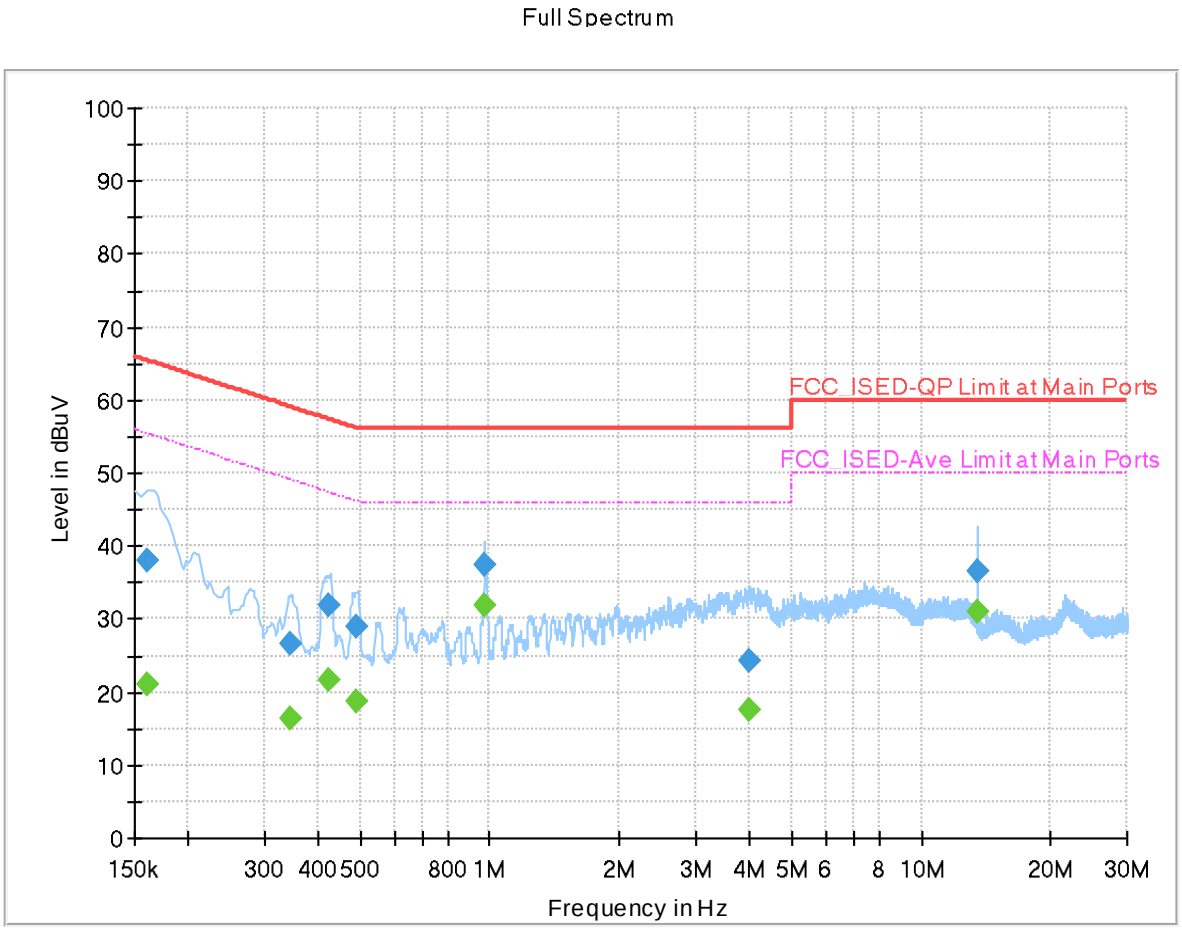


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.1~24.4℃
		Relative Humidity :	46.4~49.7%

EUT Information

Report NO :	5D2218
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

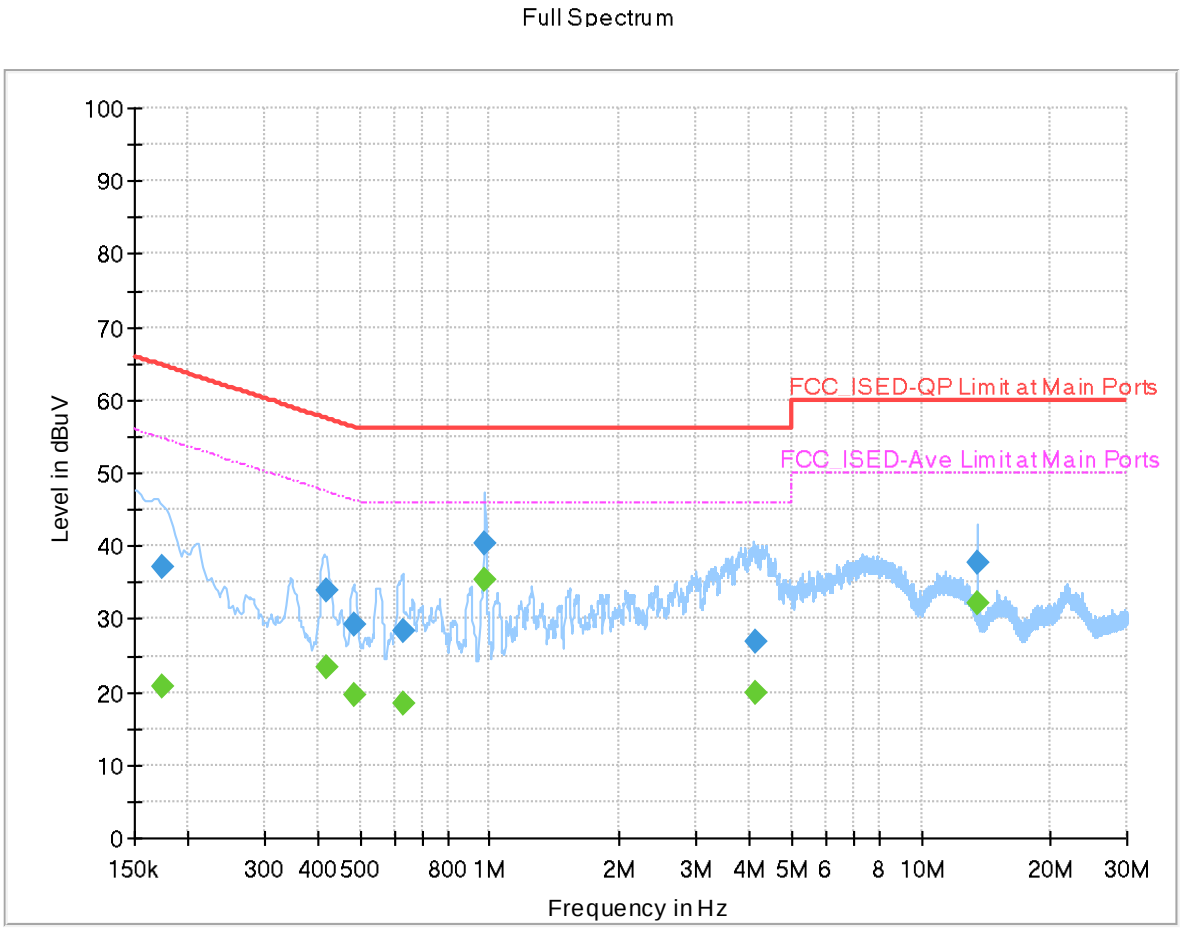


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	21.11	55.40	34.29	L1	ON	20.0
0.161250	38.00	---	65.40	27.40	L1	ON	20.0
0.344895	---	16.43	49.09	32.66	L1	ON	20.0
0.344895	26.71	---	59.09	32.38	L1	ON	20.0
0.422250	---	21.61	47.40	25.79	L1	ON	20.0
0.422250	31.75	---	57.40	25.65	L1	ON	20.0
0.490740	---	18.86	46.16	27.30	L1	ON	20.0
0.490740	28.94	---	56.16	27.22	L1	ON	20.0
0.973050	---	31.78	46.00	14.22	L1	ON	20.0
0.973050	37.48	---	56.00	18.52	L1	ON	20.0
3.984000	---	17.63	46.00	28.37	L1	ON	20.1
3.984000	24.29	---	56.00	31.71	L1	ON	20.1
13.560405	---	30.93	50.00	19.07	L1	ON	20.6
13.560405	36.42	---	60.00	23.58	L1	ON	20.6

EUT Information

Report NO :	5D2218
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.174750	---	20.74	54.73	33.99	N	ON	20.0
0.174750	37.00	---	64.73	27.73	N	ON	20.0
0.417660	---	23.47	47.50	24.03	N	ON	20.0
0.417660	33.94	---	57.50	23.56	N	ON	20.0
0.484755	---	19.65	46.26	26.61	N	ON	20.0
0.484755	29.22	---	56.26	27.04	N	ON	20.0
0.627360	---	18.47	46.00	27.53	N	ON	20.0
0.627360	28.30	---	56.00	27.70	N	ON	20.0
0.972600	---	35.24	46.00	10.76	N	ON	20.0
0.972600	40.26	---	56.00	15.74	N	ON	20.0
4.110000	---	19.85	46.00	26.15	N	ON	20.2
4.110000	26.87	---	56.00	29.13	N	ON	20.2
13.560045	---	32.05	50.00	17.95	N	ON	20.6
13.560045	37.72	---	60.00	22.28	N	ON	20.6

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Gerry Wei, Tim Lee and Wilson Wu	**Temperature :**	21.8 ~ 23.4 °C
		Relative Humidity :	50.5 ~ 60.7 %

Note symbol

-L	**Low channel location**
-R	**High channel location**

C1. Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 12	2400-2483.5	4	802.11b	01	2412	1Mbps	-	-
Mode 13	2400-2483.5	4	802.11b	06	2437	1Mbps	-	-
Mode 14	2400-2483.5	4	802.11b	11	2462	1Mbps	-	-
Mode 15	2400-2483.5	4	802.11g	01	2412	6Mbps	-	-
Mode 16	2400-2483.5	4	802.11g	06	2437	6Mbps	-	-
Mode 17	2400-2483.5	4	802.11g	11	2462	6Mbps	-	-
Mode 18	2400-2483.5	4	802.11n HT20	01	2412	MCS0	-	-
Mode 19	2400-2483.5	4	802.11n HT20	06	2437	MCS0	-	-
Mode 20	2400-2483.5	4	802.11n HT20	11	2462	MCS0	-	-
Mode 21	2400-2483.5	4	802.11n HT40	03	2422	MCS0	-	-
Mode 22	2400-2483.5	4	802.11n HT40	06	2437	MCS0	-	-

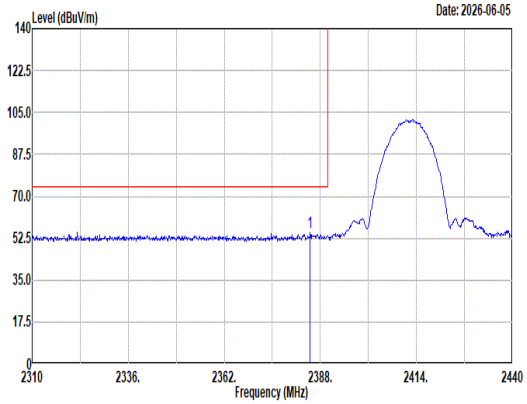
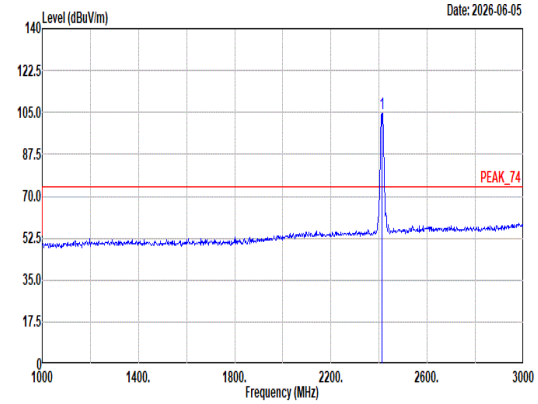
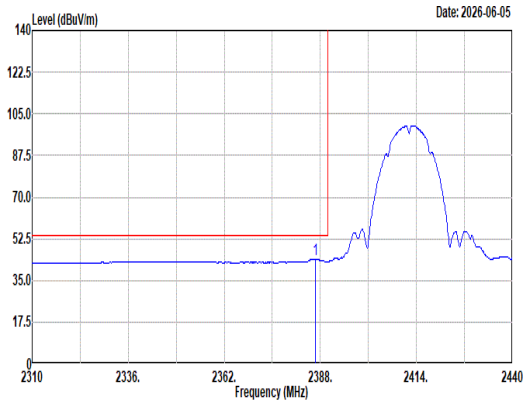
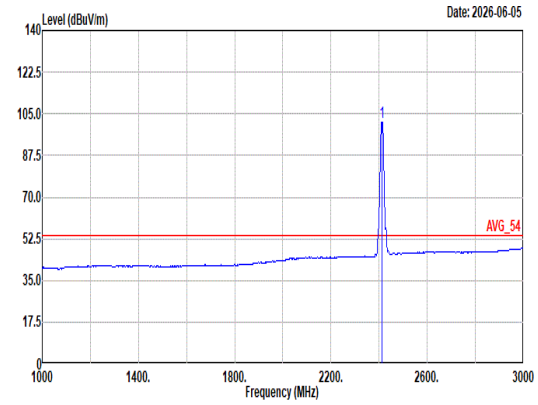
Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 23	2400-2483.5	4	802.11n HT40	09	2452	MCS0	-	-
Mode 24	2400-2483.5	4	802.11g	10	2458	6Mbps	-	-
Mode 25	2400-2483.5	4	802.11n HT20	10	2458	MCS0	-	-
Mode 26	2400-2483.5	4	802.11n HT40	09	2452	MCS0	-	LF
Mode 27	2400-2483.5	4	802.11n HT40	09	2452	MCS0	-	SHF

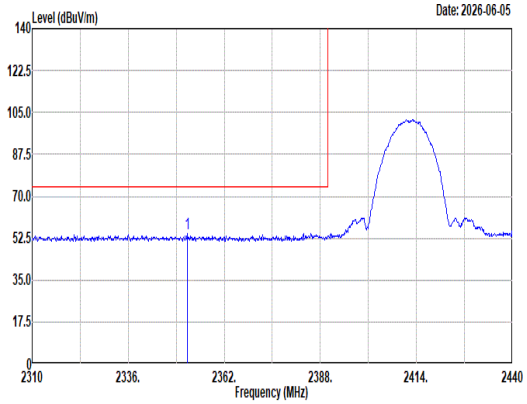
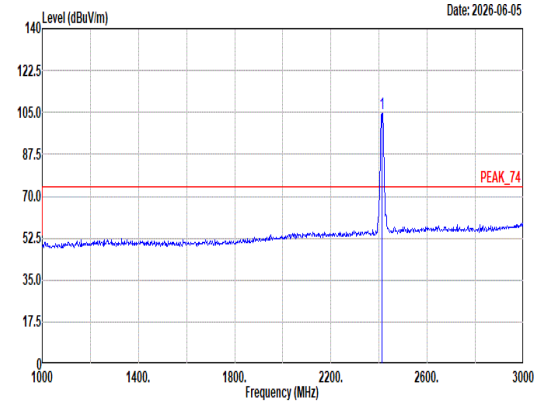
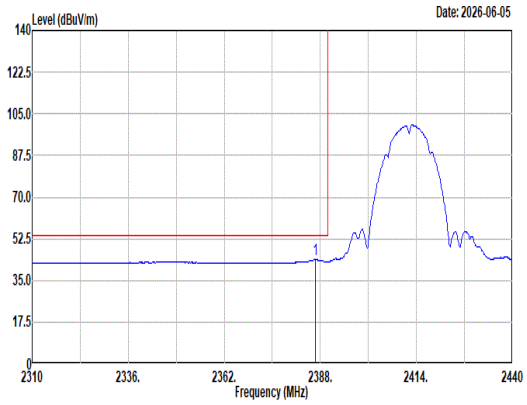
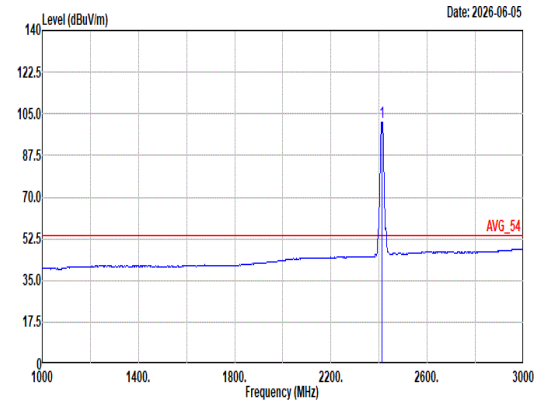
C2. Summary of each worse mode

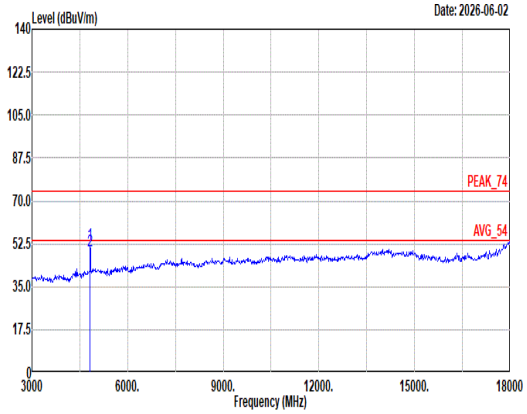
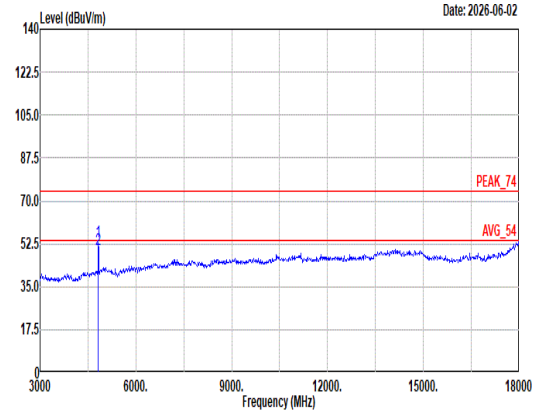
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
12	802.11b	01	2386.70	43.84	54.00	-10.16	H	Avg.	Pass	-	Band Edge
	802.11b	01	4824.00	50.28	54.00	-3.72	V	Avg.	Pass	-	Harmonic
13	802.11b	06	2483.56	43.81	54.00	-10.19	V	Avg.	Pass	-	Band Edge
	802.11b	06	4874.00	47.66	54.00	-6.34	V	Avg.	Pass	-	Harmonic
14	802.11b	11	2483.51	46.87	54.00	-7.13	V	Avg.	Pass	-	Band Edge
	802.11b	11	4924.00	46.14	74.00	-27.86	V	Peak	Pass	-	Harmonic
15	802.11g	01	2389.82	51.40	54.00	-2.60	V	Avg.	Pass	-	Band Edge
	802.11g	01	4824.00	47.80	74.00	-26.20	V	Peak	Pass	-	Harmonic
16	802.11g	06	2483.56	45.11	54.00	-8.89	V	Avg.	Pass	-	Band Edge
	802.11g	06	7311.00	46.04	74.00	-27.96	V	Peak	Pass	-	Harmonic
17	802.11g	11	2483.51	51.20	54.00	-2.80	V	Avg.	Pass	-	Band Edge

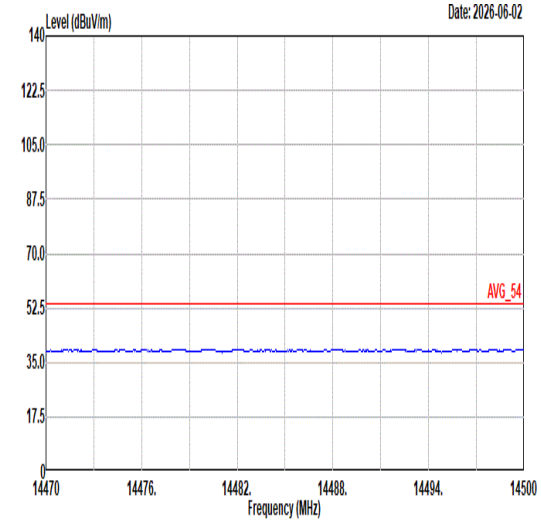
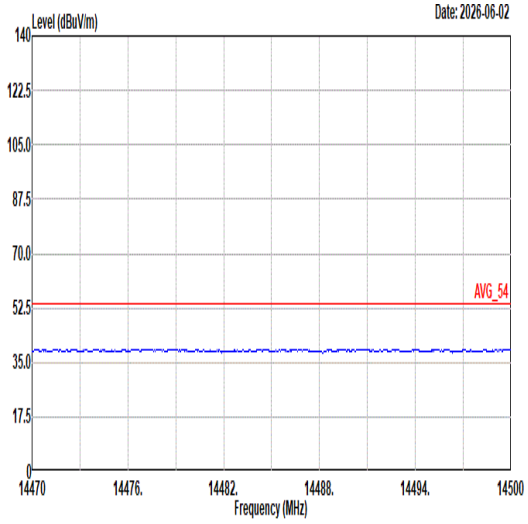
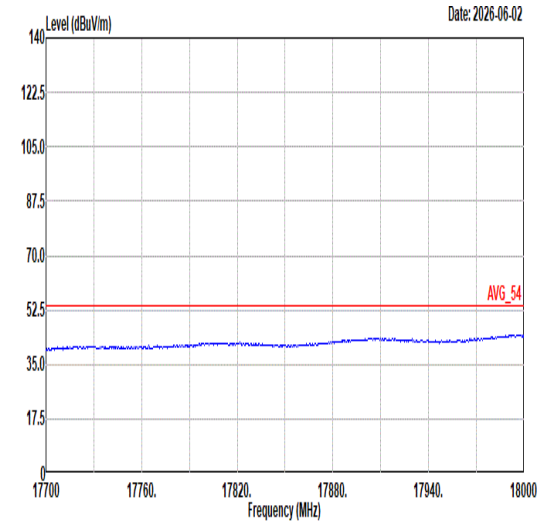
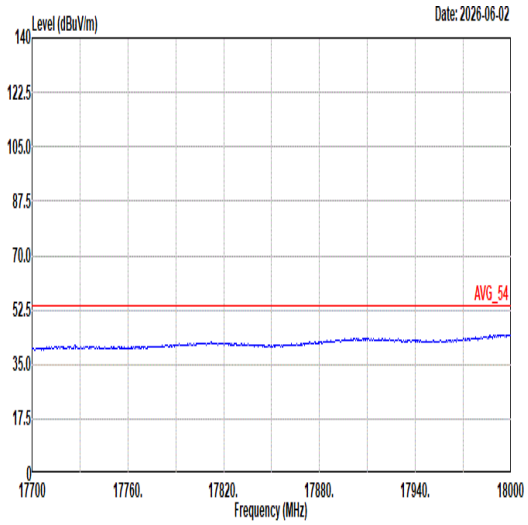
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
17	802.11g	11	7386.00	45.30	74.00	-28.70	V	Peak	Pass	-	Harmonic
18	802.11n HT20	01	2389.95	51.11	54.00	-2.89	H	Avg.	Pass	-	Band Edge
	802.11n HT20	01	4824.00	44.61	74.00	-29.39	H	Peak	Pass	-	Harmonic
19	802.11n HT20	06	2483.56	45.26	54.00	-8.74	H	Avg.	Pass	-	Band Edge
	802.11n HT20	06	7311.00	45.35	74.00	-28.65	V	Peak	Pass	-	Harmonic
20	802.11n HT20	11	2483.51	51.48	54.00	-2.52	V	Avg.	Pass	-	Band Edge
	802.11n HT20	11	7386.00	45.38	74.00	-28.62	H	Peak	Pass	-	Harmonic
21	802.11n HT40	03	2389.30	51.34	54.00	-2.66	H	Avg.	Pass	-	Band Edge
	802.11n HT40	03	7266.00	46.27	74.00	-27.73	H	Peak	Pass	-	Harmonic
22	802.11n HT40	06	2483.56	51.57	54.00	-2.43	V	Avg.	Pass	-	Band Edge
	802.11n HT40	06	7311.00	46.09	74.00	-27.91	H	Peak	Pass	-	Harmonic

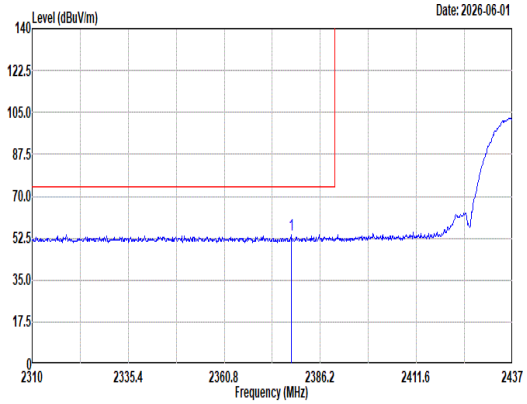
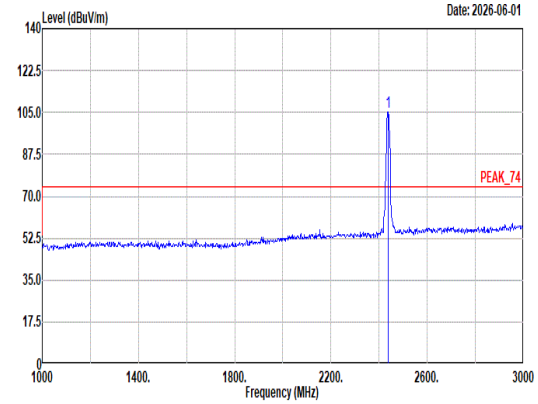
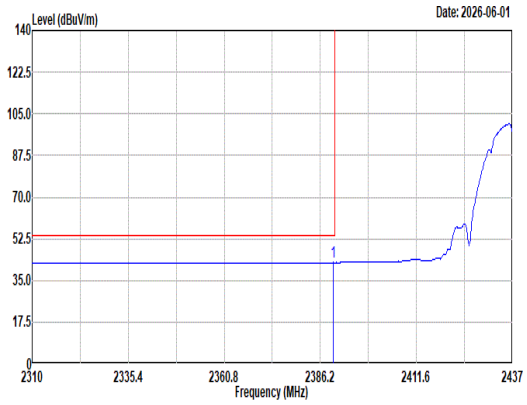
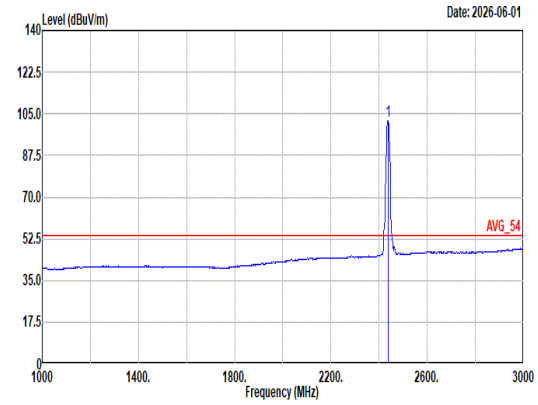
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
23	802.11n HT40	09	2483.58	52.28	54.00	-1.72	V	Avg.	Pass	-	Band Edge
	802.11n HT40	09	7356.00	45.72	74.00	-28.28	H	Peak	Pass	-	Harmonic
24	802.11g	10	2483.53	50.61	54.00	-3.39	V	Avg.	Pass	-	Band Edge
	802.11g	10	-	-	-	-	-	-	-	-	Harmonic
25	802.11n HT20	10	2483.57	50.44	54.00	-3.56	V	Avg.	Pass	-	Band Edge
	802.11n HT20	10	-	-	-	-	-	-	-	-	Harmonic
26	WLAN Tx LF	09	48.43	33.95	40.00	-6.05	H	Peak	Pass	-	LF
27	WLAN Tx SHF	09	25728.00	39.94	74.00	-34.06	V	Peak	Pass	-	SHF

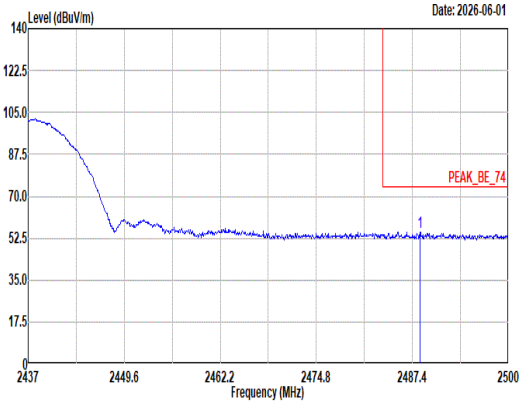
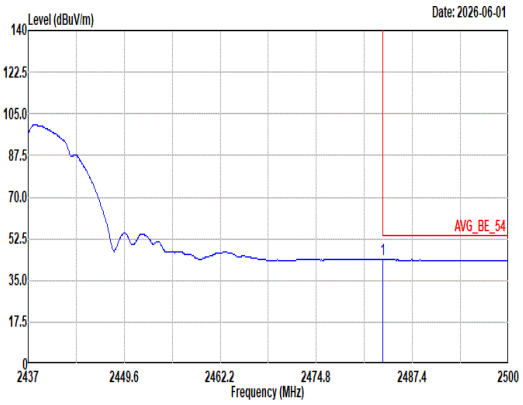
Mode	12	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2385.27 55.14 74.00 -18.86 45.17 27.35 6.78 34.19 10.03 124 68 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2412.00 104.43 ------ ------ 94.30 27.44 6.82 34.16 10.03 124 68 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 2386.70 43.84 54.00 -10.16 33.85 27.37 6.78 34.19 10.03 124 68 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 2412.00 101.47 ------ ------ 91.34 27.44 6.82 34.16 10.03 124 68 Average

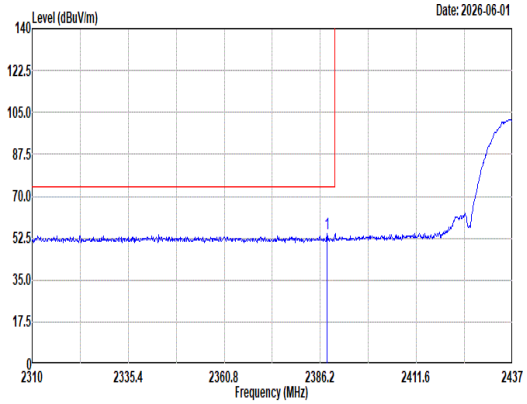
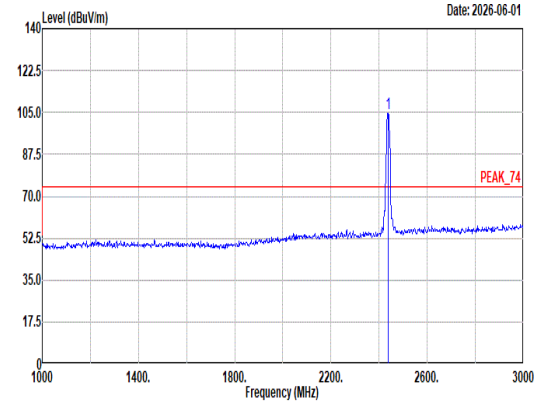
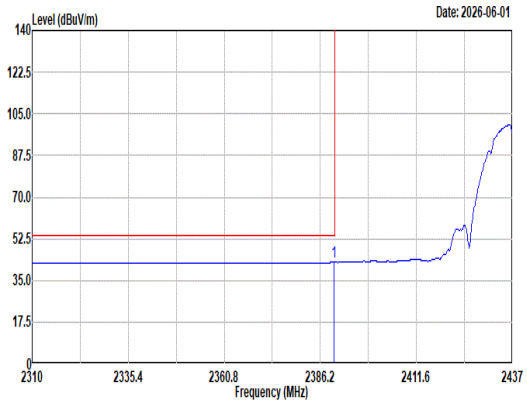
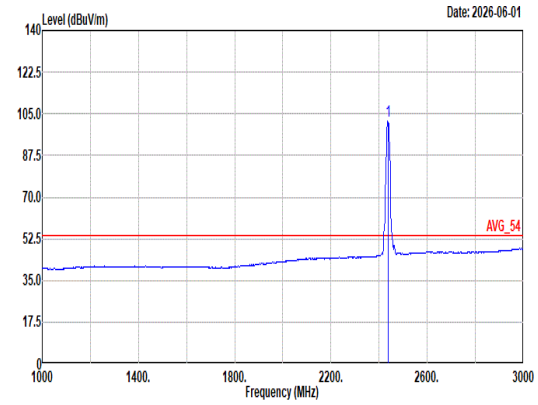
Mode	12	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2351.99 54.29 74.00 -19.71 44.39 27.38 6.72 34.23 10.03 100 96 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2412.00 104.55 ------ ------ 94.42 27.44 6.82 34.16 10.03 100 96 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 2386.70 43.65 54.00 -10.35 33.66 27.37 6.78 34.19 10.03 100 96 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 2412.00 101.60 ------ ------ 91.47 27.44 6.82 34.16 10.03 100 96 Average

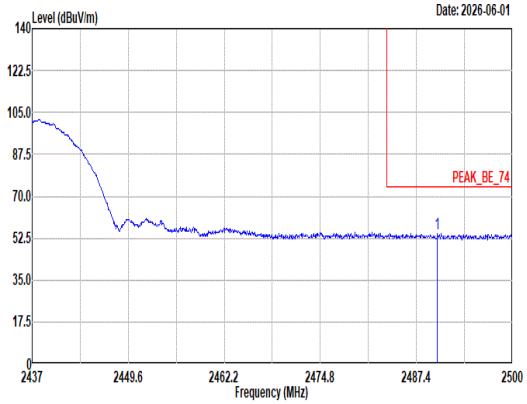
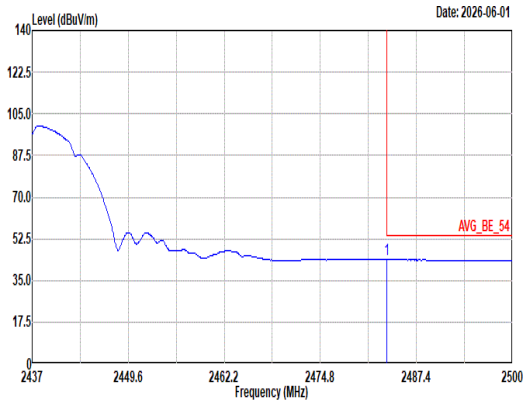
Mode	12	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 52.52 74.00 -21.48 63.77 32.44 11.55 55.86 0.62 273 64 Peak 2 4824.00 49.48 54.00 -4.52 60.73 32.44 11.55 55.86 0.62 273 64 Average	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 53.61 74.00 -20.39 64.86 32.44 11.55 55.86 0.62 296 281 Peak 2 4824.00 50.28 54.00 -3.72 61.53 32.44 11.55 55.86 0.62 296 281 Average

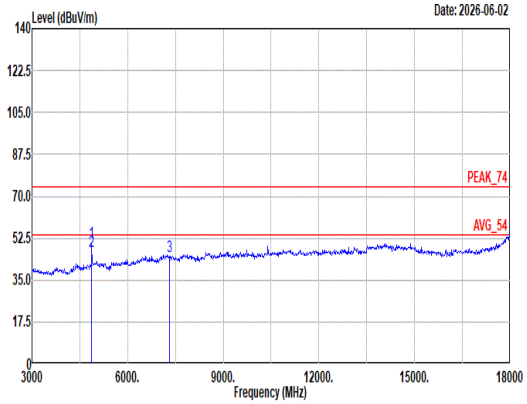
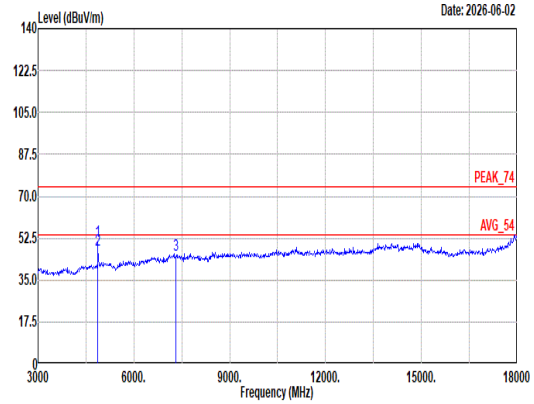
Mode	12	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL
17.7G ~18G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL

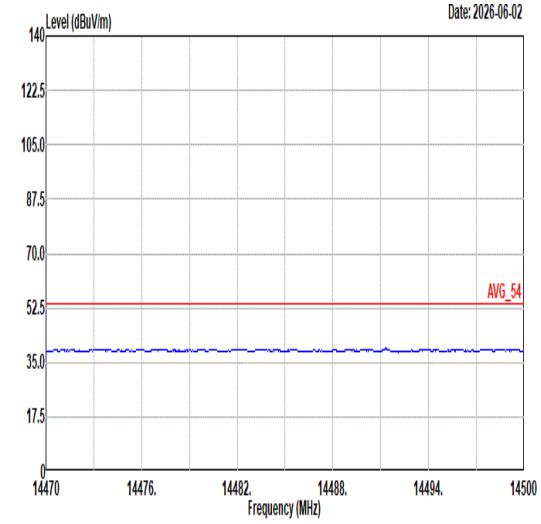
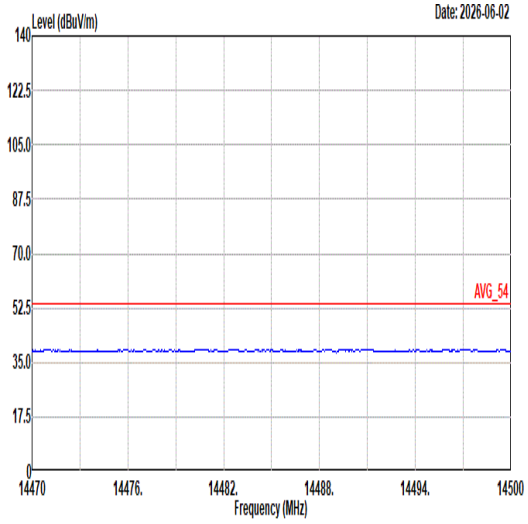
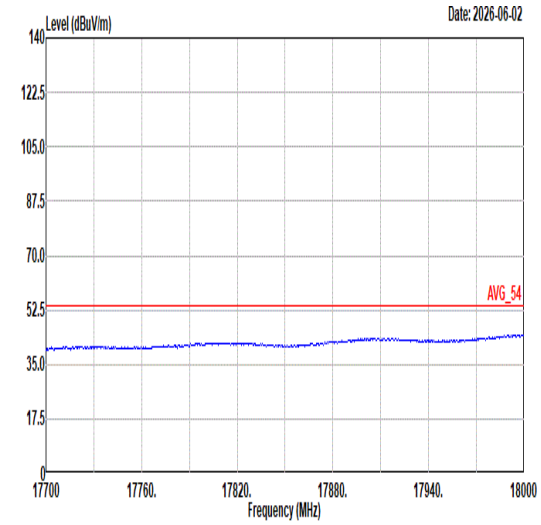
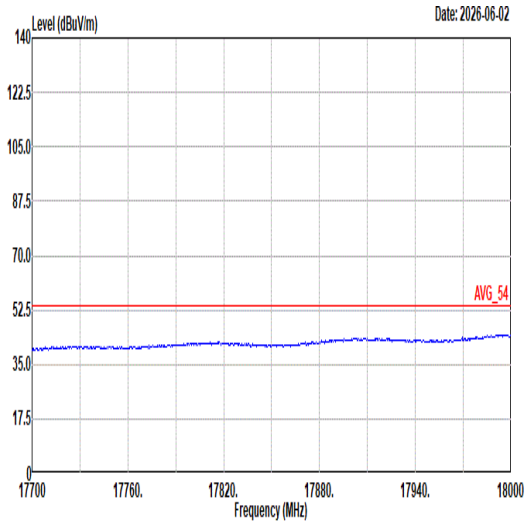
Mode	13	
	Band Edge - L	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2378.58 54.15 74.00 -19.85 44.25 27.30 6.77 34.20 10.03 256 65 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2437.00 105.27 ------ ------ 94.93 27.60 6.85 34.14 10.03 256 65 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 2389.63 42.53 54.00 -11.47 32.51 27.40 6.78 34.19 10.03 256 65 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 2437.00 102.17 ------ ------ 91.83 27.60 6.85 34.14 10.03 256 65 Average

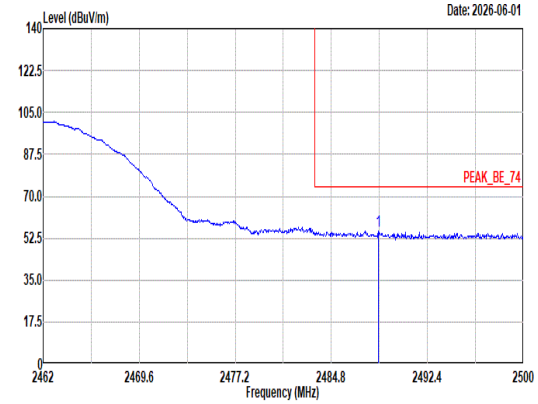
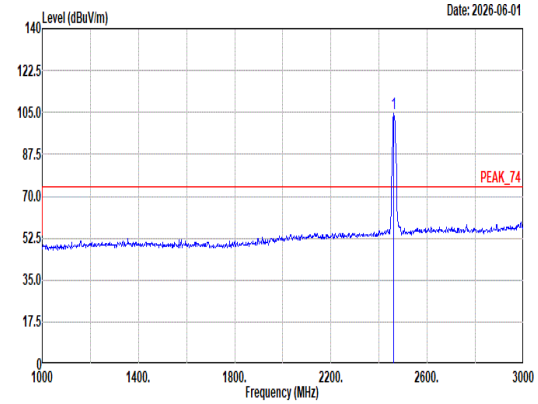
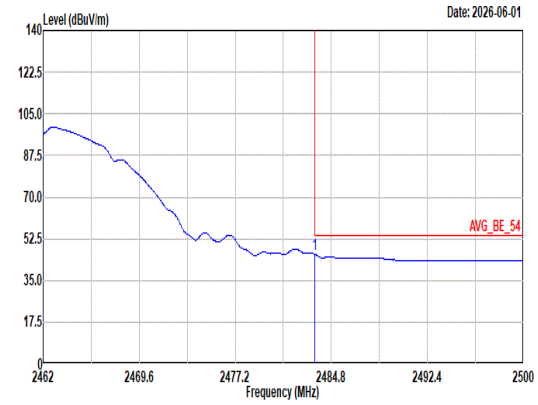
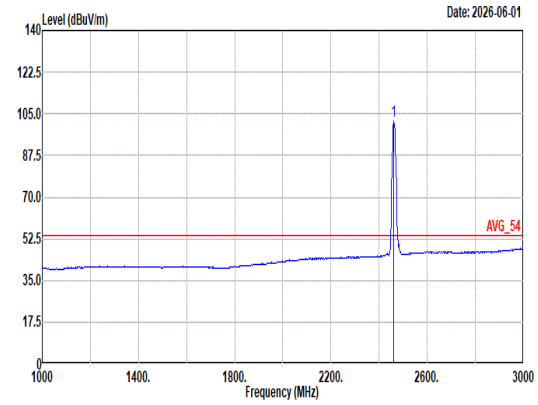
Mode	13	
	Band Edge - R	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.41 55.19 74.00 -18.81 44.34 27.98 6.93 34.09 10.03 256 65 Peak	Blank
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.56 43.77 54.00 -10.23 32.97 27.94 6.93 34.10 10.03 256 65 Average	Blank

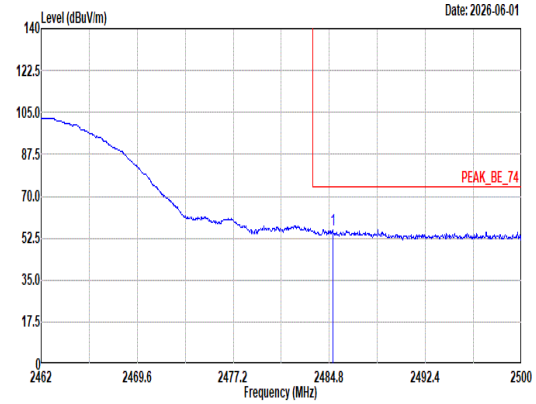
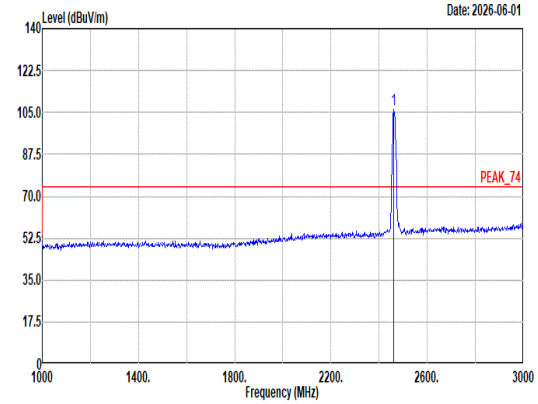
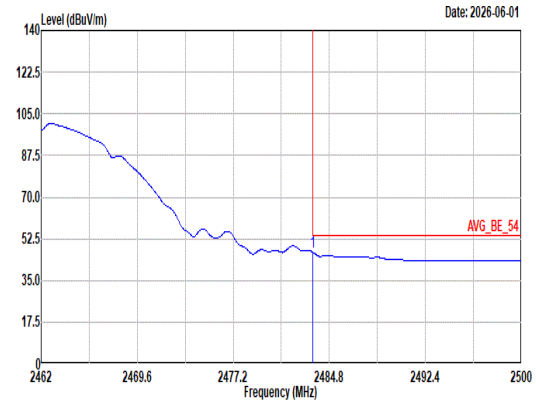
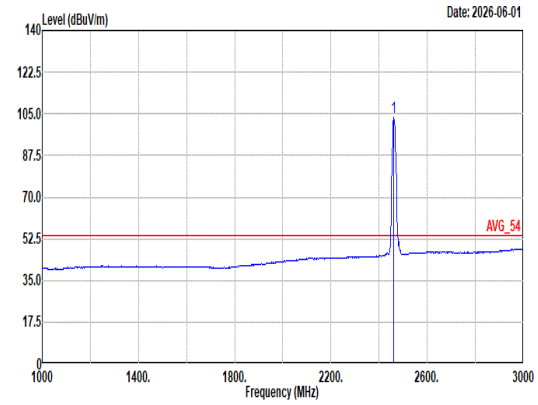
Mode	13	
	Band Edge - L	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2387.98 54.24 74.00 -19.76 44.24 27.38 6.78 34.19 10.03 100 98 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 104.82 ------ ------ 94.48 27.60 6.85 34.14 10.03 100 98 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.88 42.61 54.00 -11.39 32.59 27.40 6.78 34.19 10.03 100 98 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 101.74 ------ ------ 91.40 27.60 6.85 34.14 10.03 100 98 Average

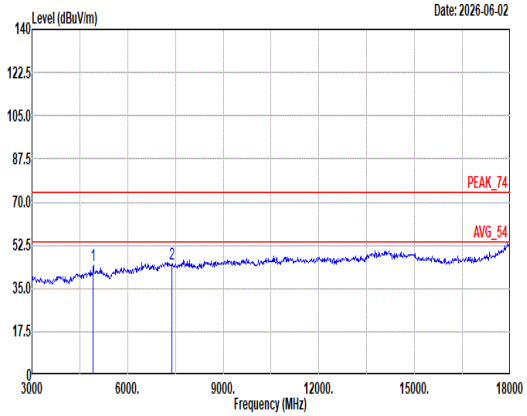
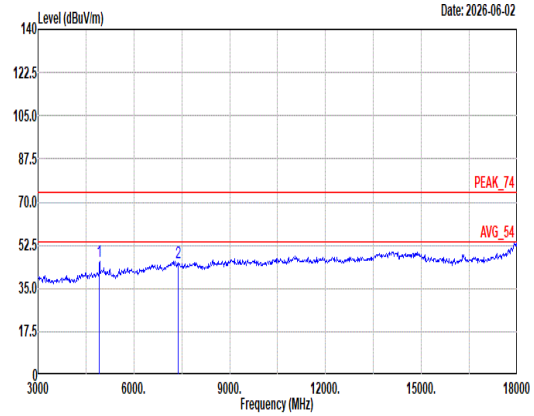
Mode	13	
	Band Edge - R	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2490.17 54.48 74.00 -19.52 43.60 28.00 6.94 34.09 10.03 100 98 Peak	Blank
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.56 43.81 54.00 -10.19 33.01 27.94 6.93 34.10 10.03 100 98 Average	Blank

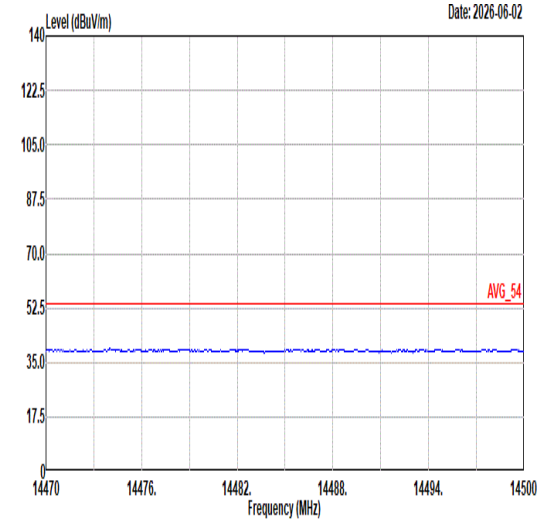
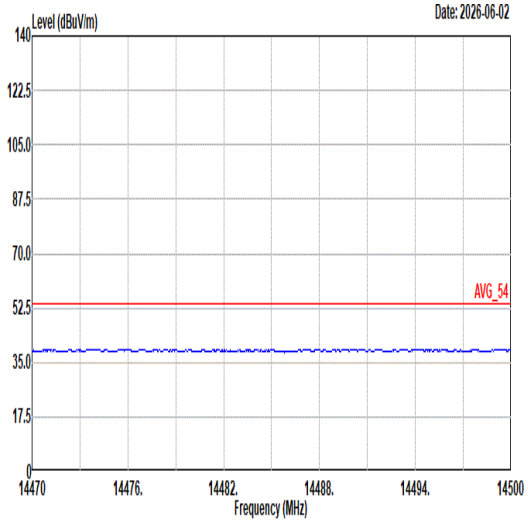
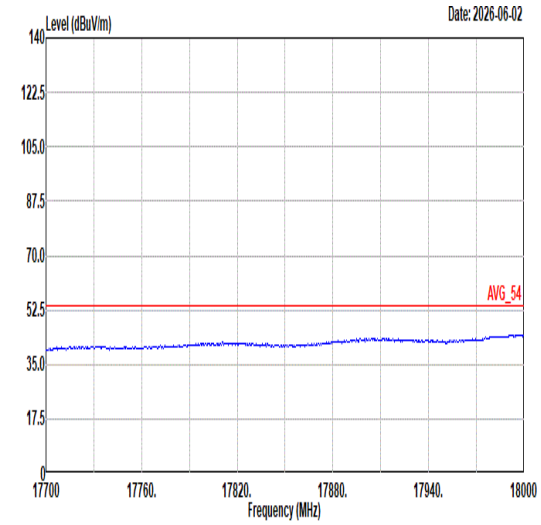
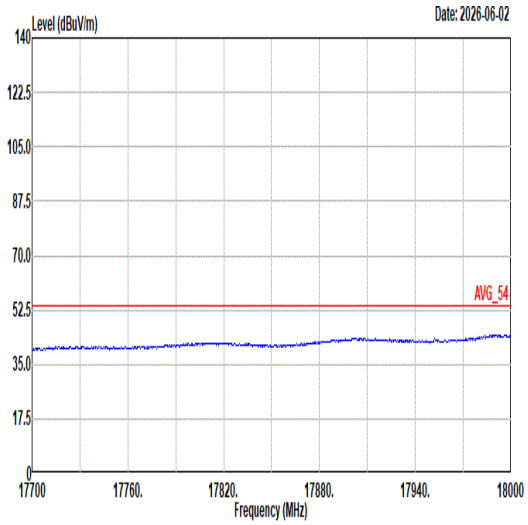
Mode	13	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 50.93 74.00 -23.07 62.00 32.79 11.41 55.88 0.61 230 64 Peak 2 4874.00 47.15 54.00 -6.85 58.22 32.79 11.41 55.88 0.61 230 64 Average 3 7311.00 45.00 74.00 -29.00 50.57 37.10 13.38 56.44 0.39 -- -- Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 51.22 74.00 -22.78 62.29 32.79 11.41 55.88 0.61 248 334 Peak 2 4874.00 47.66 54.00 -6.34 58.73 32.79 11.41 55.88 0.61 248 334 Average 3 7311.00 45.29 74.00 -28.71 50.86 37.10 13.38 56.44 0.39 -- -- Peak

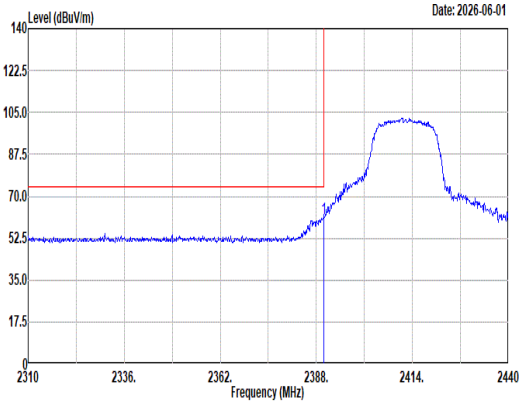
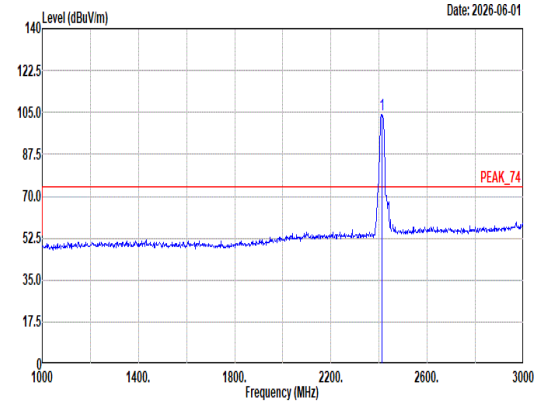
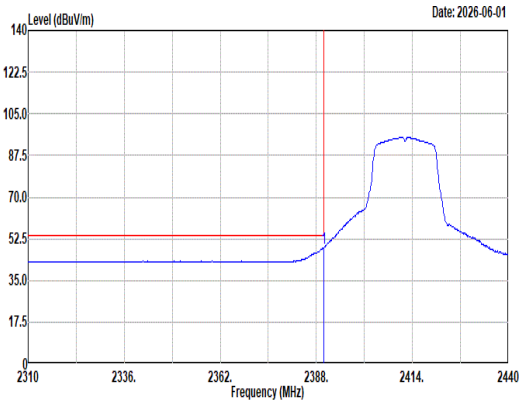
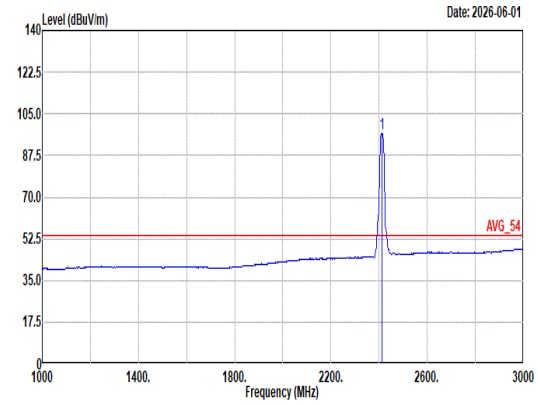
Mode	13	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL
17.7G ~18G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL

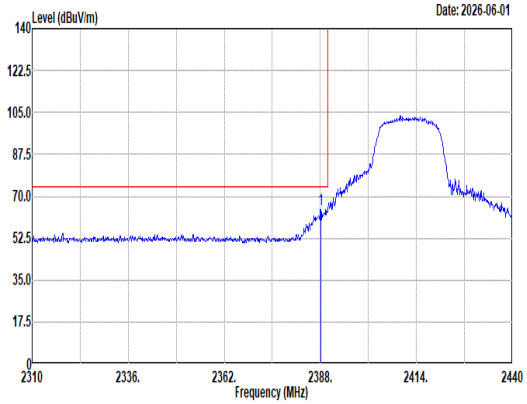
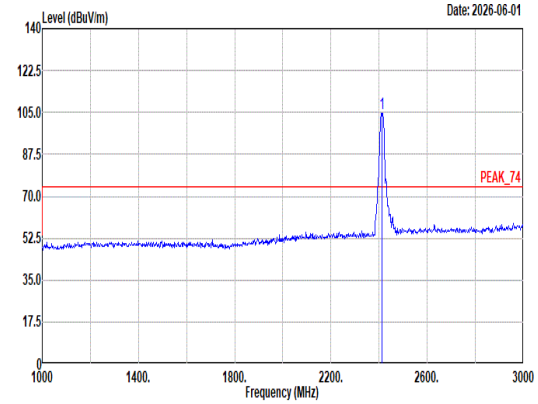
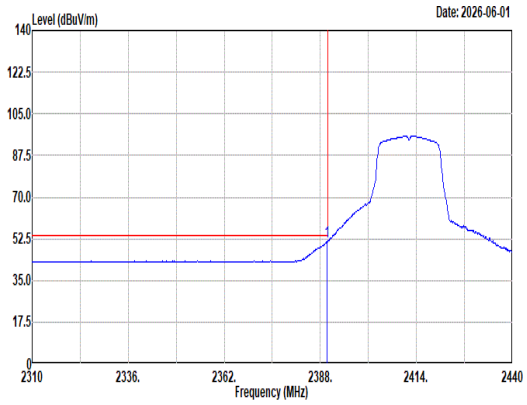
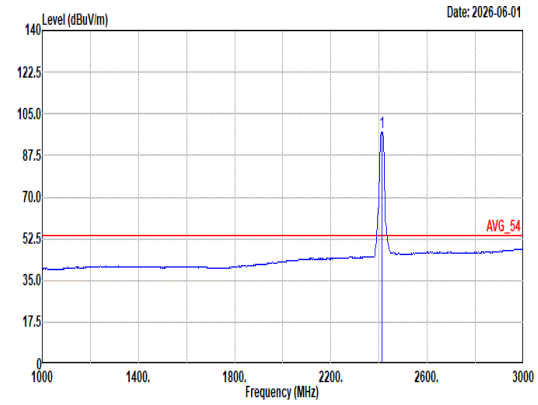
Mode	14	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.52 55.45 74.00 -18.55 44.59 27.99 6.93 34.09 10.03 279 61 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 104.75 ------ ------ 94.23 27.72 6.89 34.12 10.03 279 61 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 45.97 54.00 -8.03 35.17 27.94 6.93 34.10 10.03 279 61 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 101.81 ------ ------ 91.29 27.72 6.89 34.12 10.03 279 61 Average

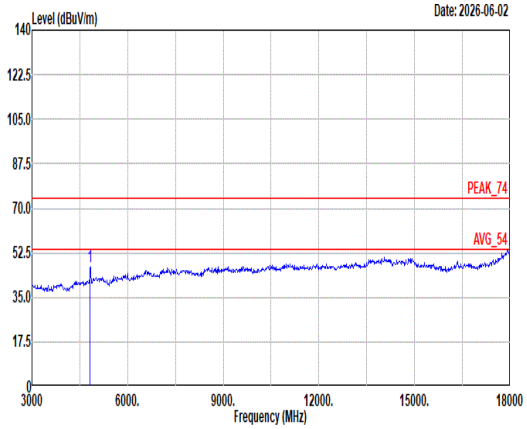
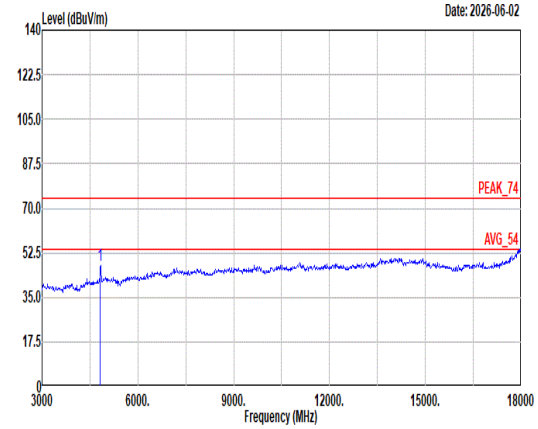
Mode	14	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2485.07 56.09 74.00 -17.91 45.27 27.95 6.93 34.09 10.03 100 73 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 106.31 ------ ------ 95.79 27.72 6.89 34.12 10.03 100 73 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 46.87 54.00 -7.13 36.07 27.94 6.93 34.10 10.03 100 73 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 103.31 ------ ------ 92.79 27.72 6.89 34.12 10.03 100 73 Average

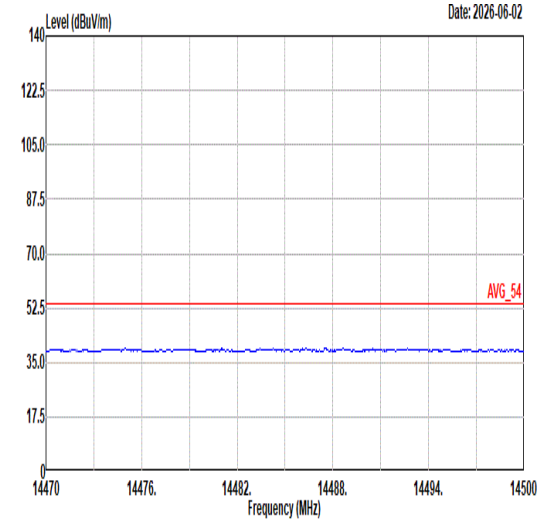
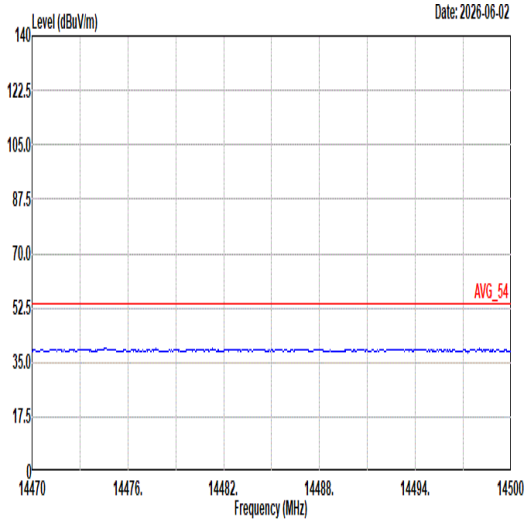
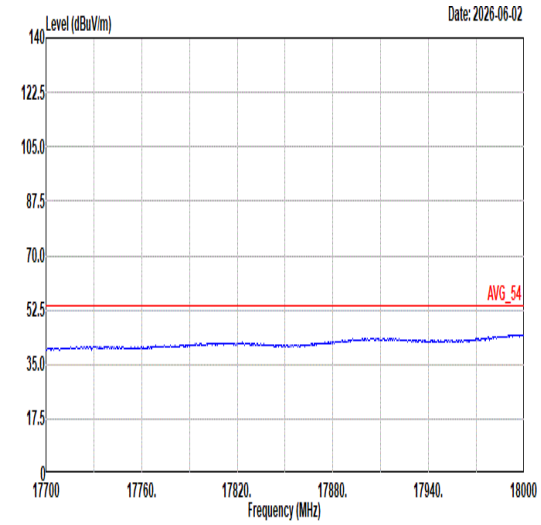
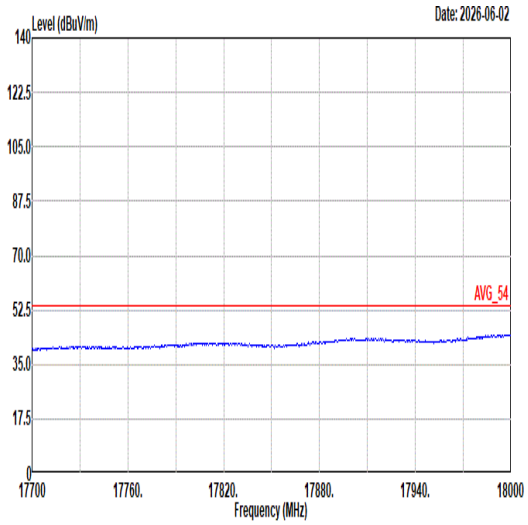
Mode	14	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 44.43 74.00 -29.57 55.27 33.19 11.27 55.90 0.60 -- -- Peak 2 7386.00 45.13 74.00 -28.87 50.76 36.96 13.46 56.47 0.42 -- -- Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 46.14 74.00 -27.86 56.98 33.19 11.27 55.90 0.60 -- -- Peak 2 7386.00 45.44 74.00 -28.56 51.07 36.96 13.46 56.47 0.42 -- -- Peak

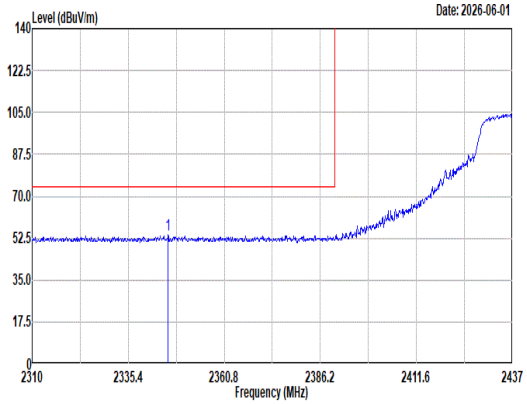
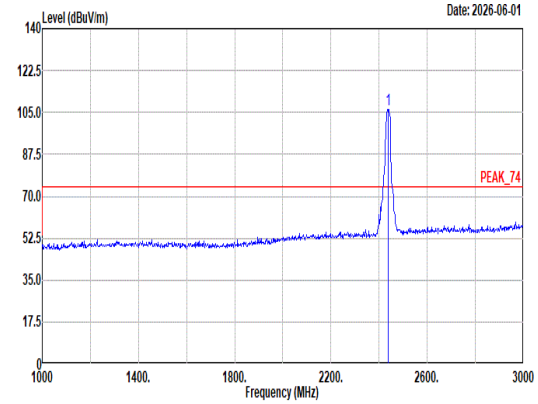
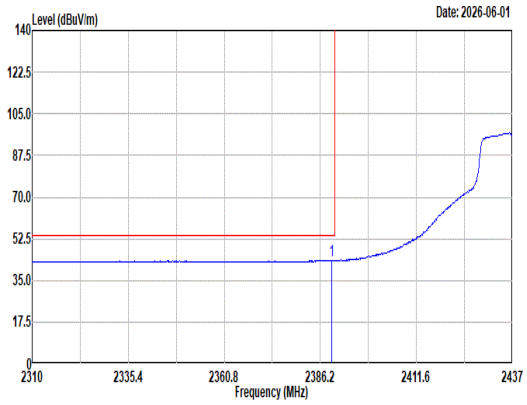
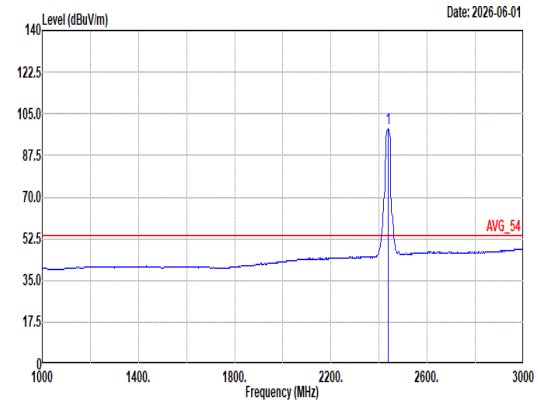
Mode	14	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL
17.7G ~18G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL

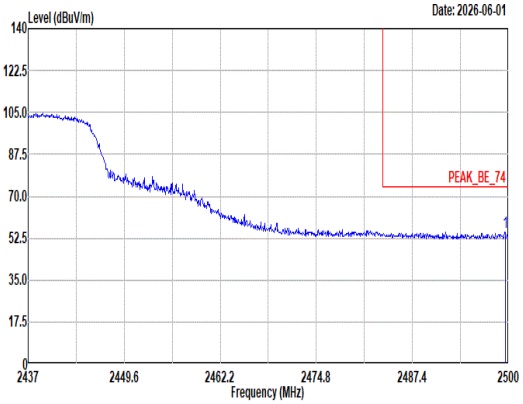
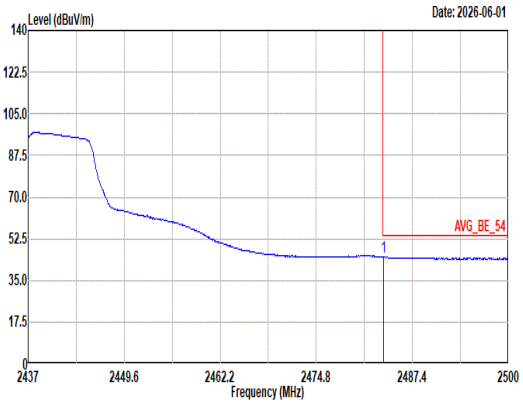
Mode	15	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 60.98 74.00 -13.02 50.96 27.40 6.78 34.19 10.03 200 62 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 104.03 ------ ------ 93.93 27.42 6.82 34.17 10.03 200 62 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 48.77 54.00 -5.23 38.75 27.40 6.78 34.19 10.03 200 62 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 96.52 ------ ------ 86.39 27.44 6.82 34.16 10.03 200 62 Average

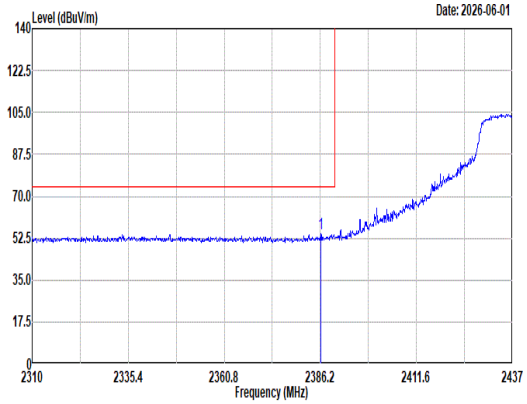
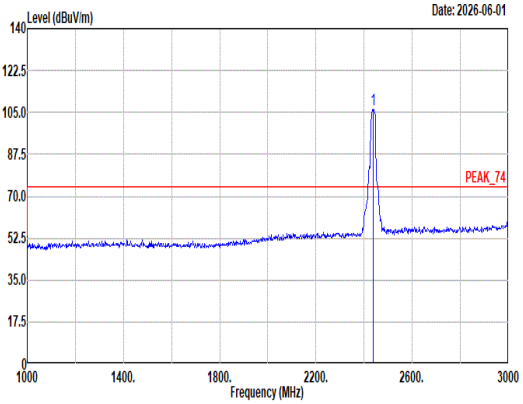
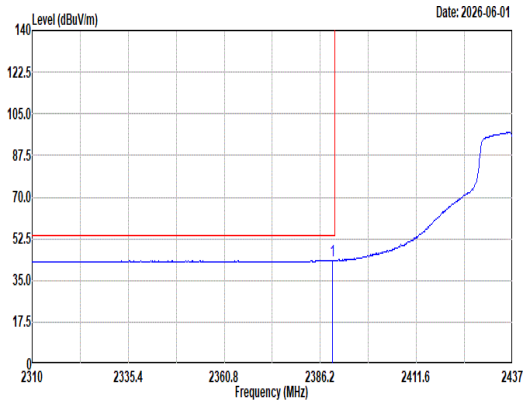
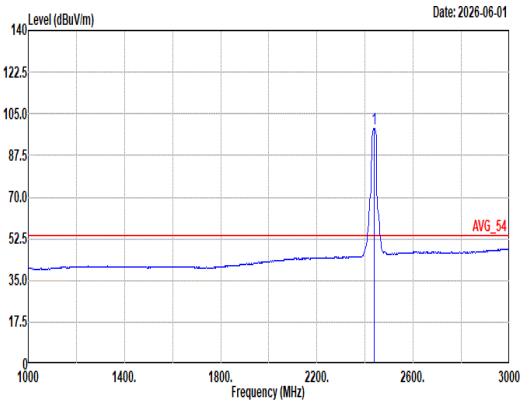
Mode	15	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.13 64.44 74.00 -9.56 54.44 27.38 6.78 34.19 10.03 100 97 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 104.64 ------ ------ 94.54 27.42 6.82 34.17 10.03 100 97 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.82 51.40 54.00 -2.60 41.38 27.40 6.78 34.19 10.03 100 97 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 97.20 ------ ------ 87.07 27.44 6.82 34.16 10.03 100 97 Average

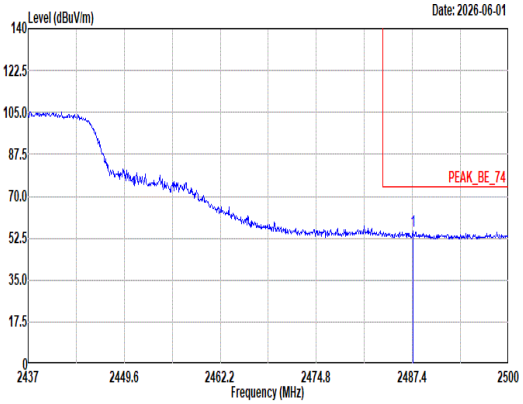
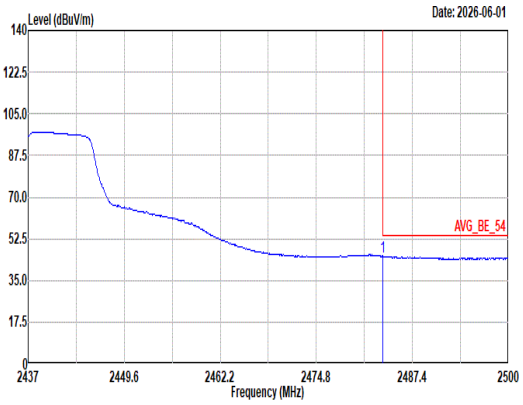
Mode	15	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 47.00 74.00 -27.00 58.25 32.44 11.55 55.86 0.62 -- -- Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 47.80 74.00 -26.20 59.05 32.44 11.55 55.86 0.62 -- -- Peak

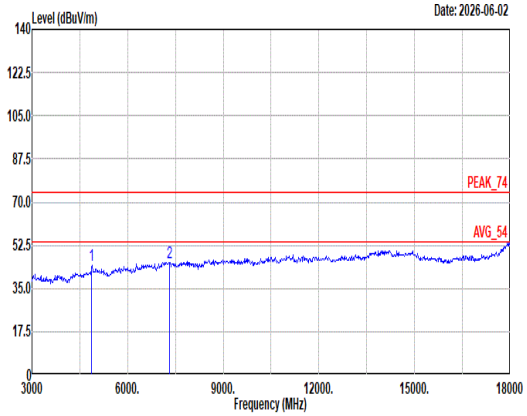
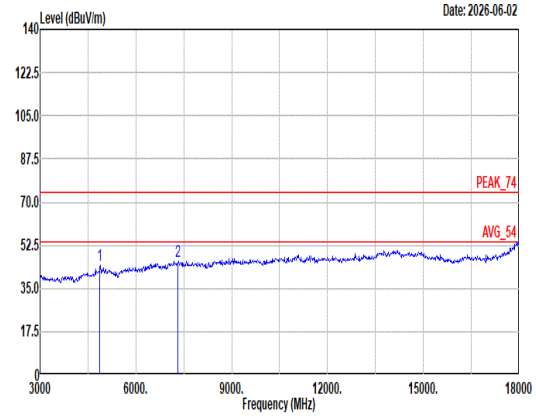
Mode	15	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL
17.7G ~18G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL

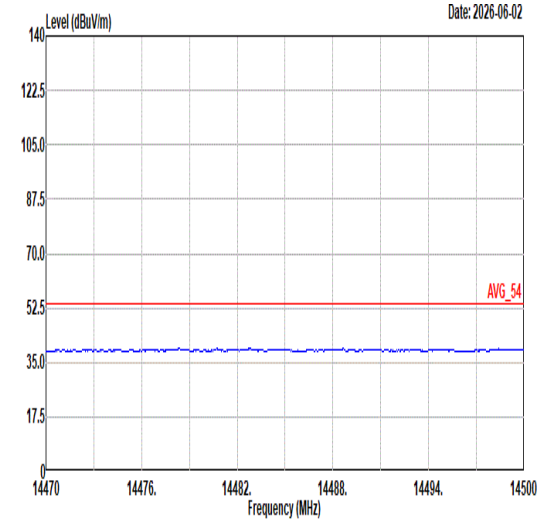
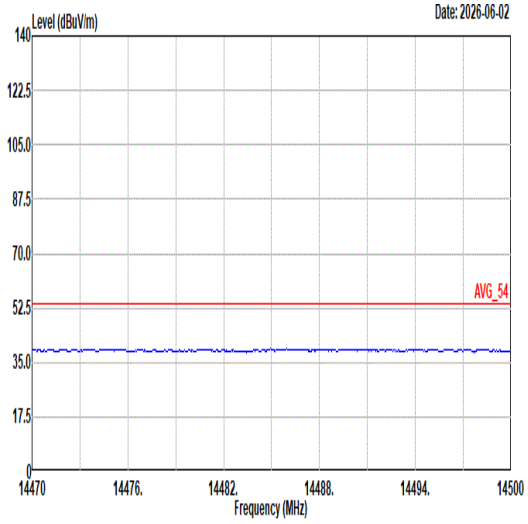
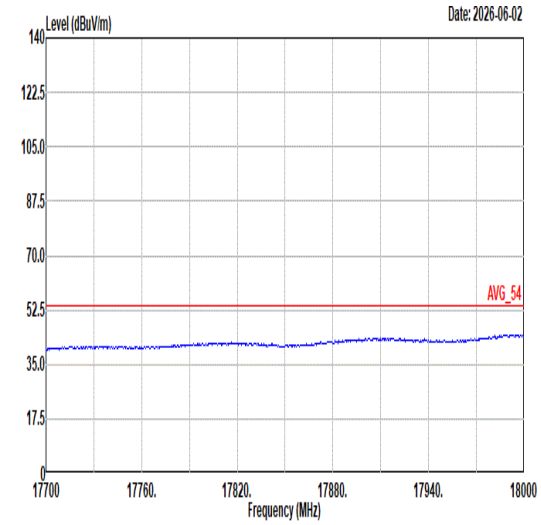
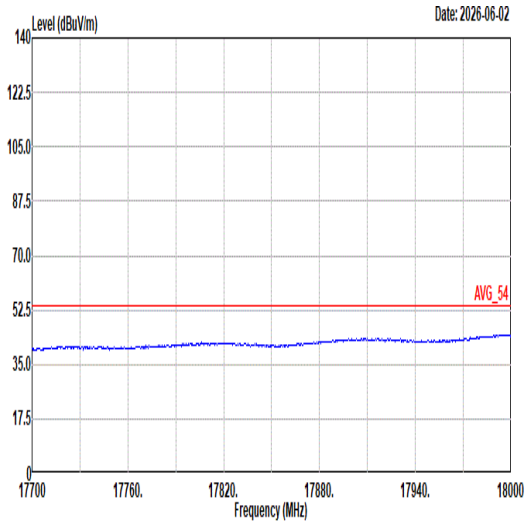
Mode	16	
	Band Edge - L	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2345.94 53.88 74.00 -20.12 43.97 27.40 6.71 34.23 10.03 254 62 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 106.32 ------ ------ 95.97 27.60 6.86 34.14 10.03 254 62 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.25 43.37 54.00 -10.63 33.36 27.39 6.78 34.19 10.03 254 62 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 98.63 ------ ------ 88.28 27.60 6.86 34.14 10.03 254 62 Average

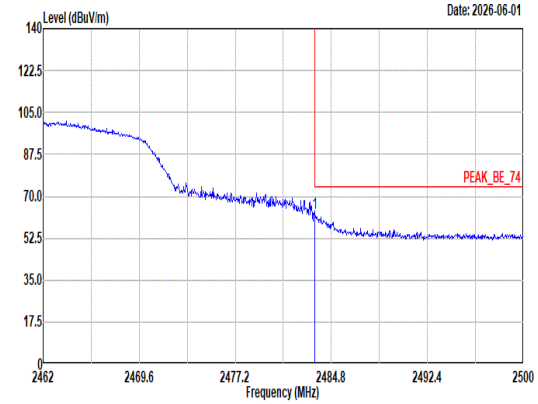
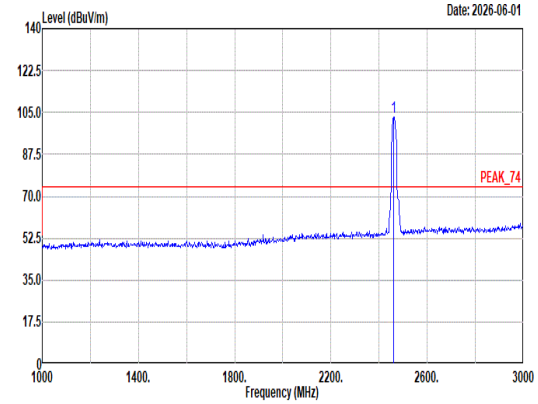
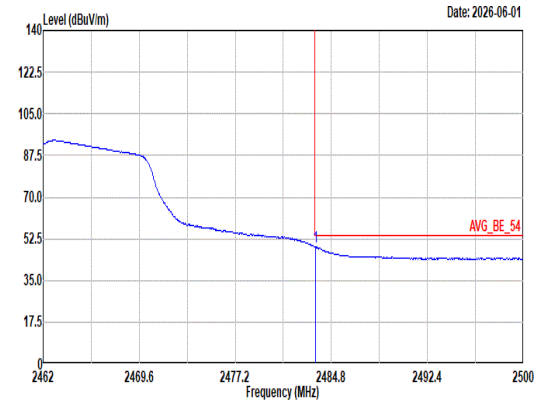
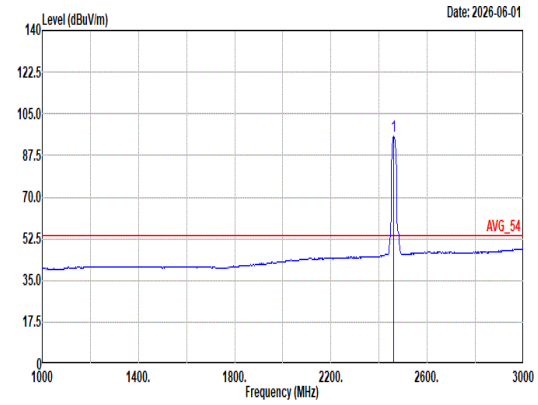
Mode	16	
	Band Edge - R	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2499.56 54.79 74.00 -19.21 43.79 28.10 6.95 34.08 10.03 254 62 Peak	Blank
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.62 45.02 54.00 -8.98 34.22 27.94 6.93 34.10 10.03 254 62 Average	Blank

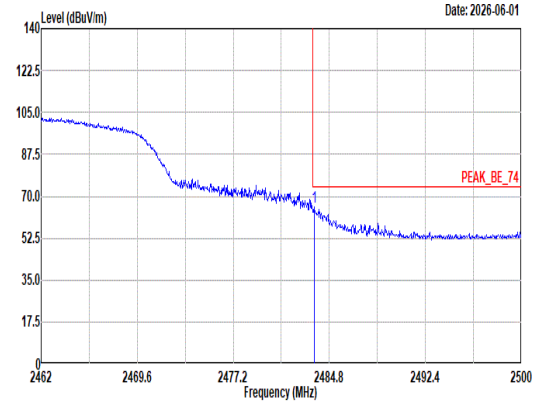
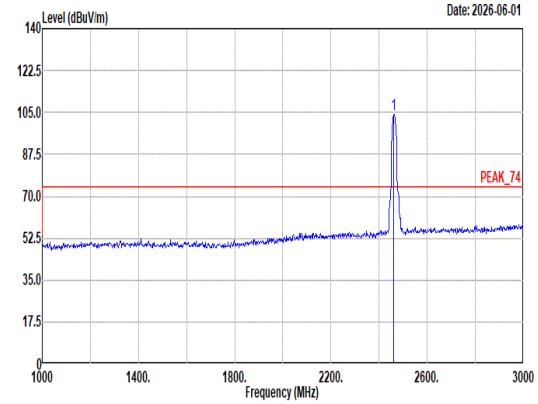
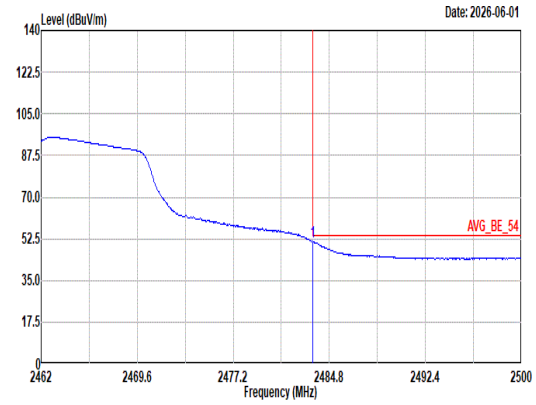
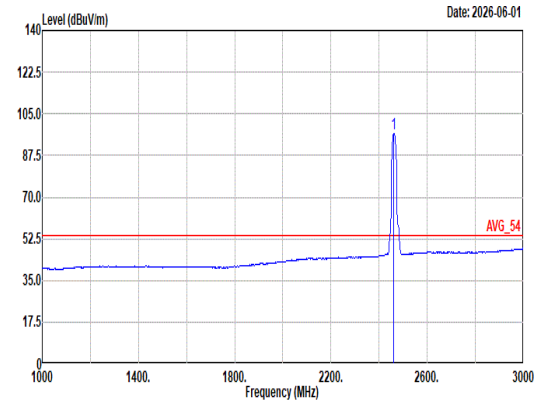
Mode	16	
	Band Edge - L	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2386.33 54.18 74.00 -19.82 44.20 27.36 6.78 34.19 10.03 101 78 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2437.00 106.08 ------ ------ 95.73 27.60 6.86 34.14 10.03 101 78 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 2389.50 43.56 54.00 -10.44 33.54 27.40 6.78 34.19 10.03 101 78 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 2437.00 98.88 ------ ------ 88.53 27.60 6.86 34.14 10.03 101 78 Average

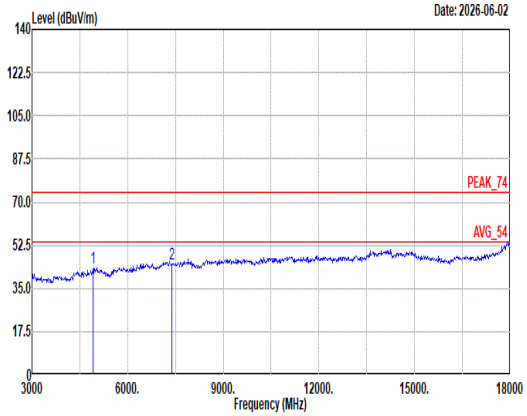
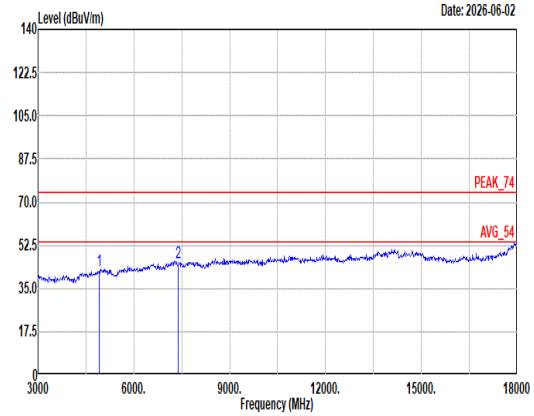
Mode	16	
	Band Edge - R	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2487.46 55.45 74.00 -18.55 44.61 27.97 6.93 34.09 10.03 101 78 Peak	Blank
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.56 45.11 54.00 -8.89 34.31 27.94 6.93 34.10 10.03 101 78 Average	Blank

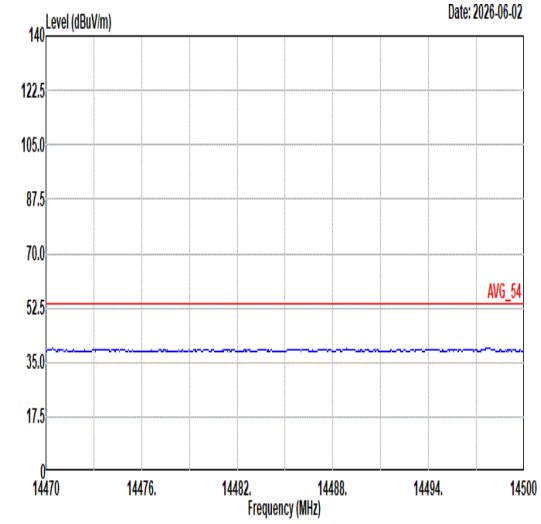
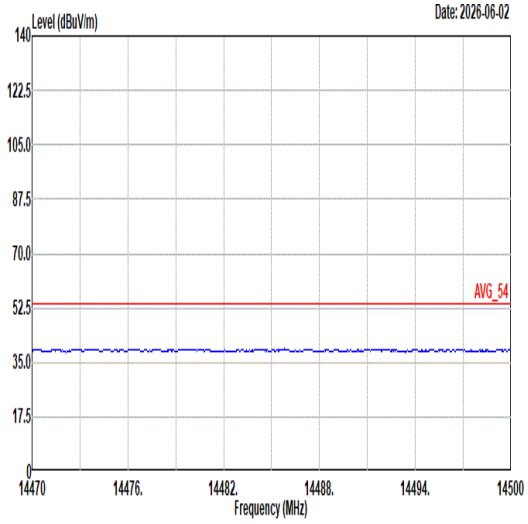
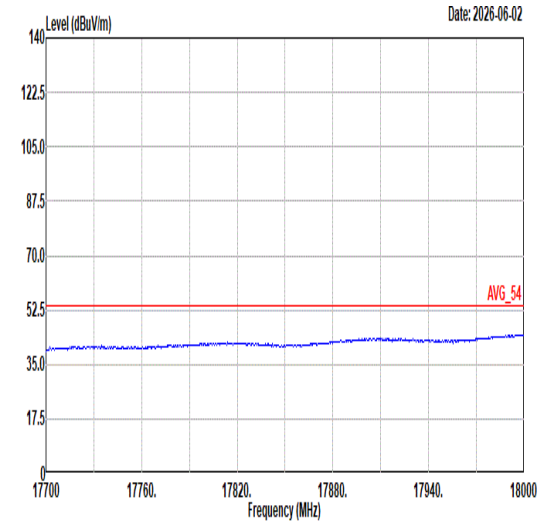
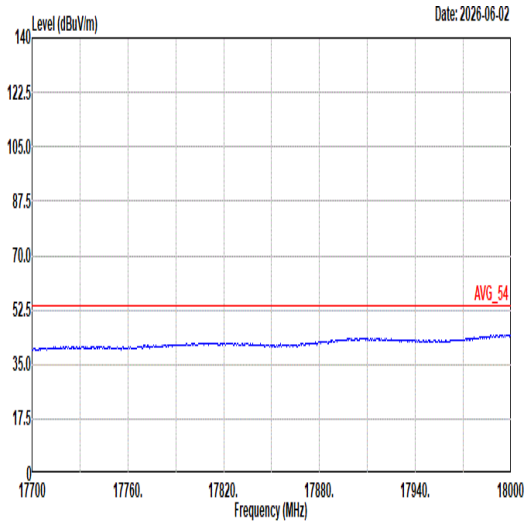
Mode	16	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 44.49 74.00 -29.51 55.56 32.79 11.41 55.88 0.61 -- -- Peak 2 7311.00 45.42 74.00 -28.58 50.99 37.10 13.38 56.44 0.39 -- -- Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 44.25 74.00 -29.75 55.32 32.79 11.41 55.88 0.61 -- -- Peak 2 7311.00 46.04 74.00 -27.96 51.61 37.10 13.38 56.44 0.39 -- -- Peak

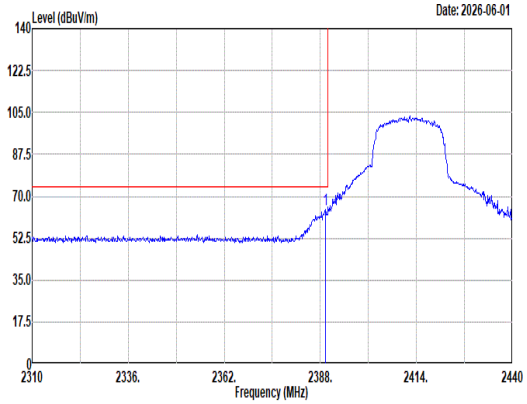
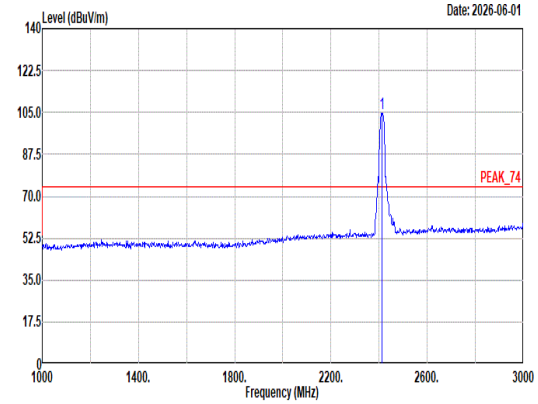
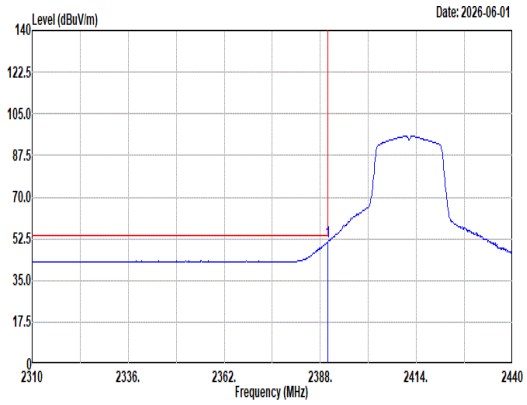
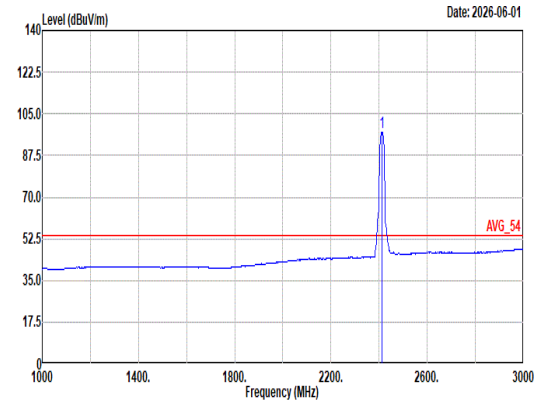
Mode	16	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL
17.7G ~18G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL

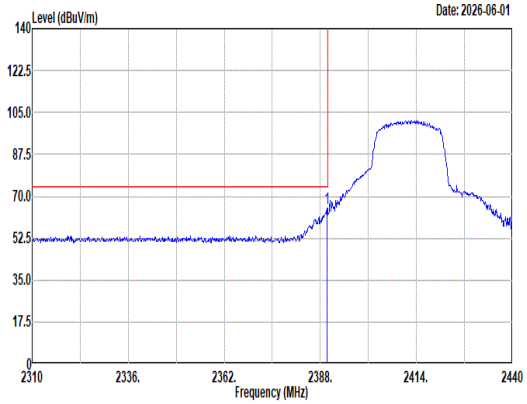
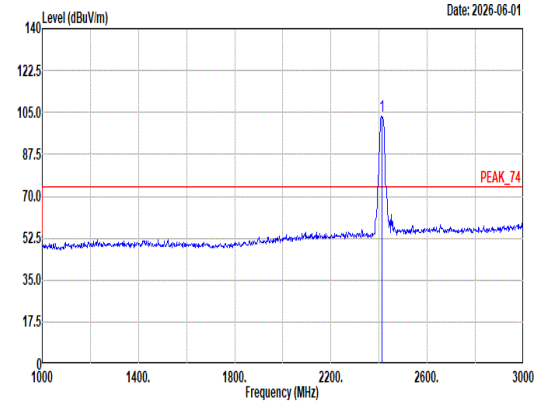
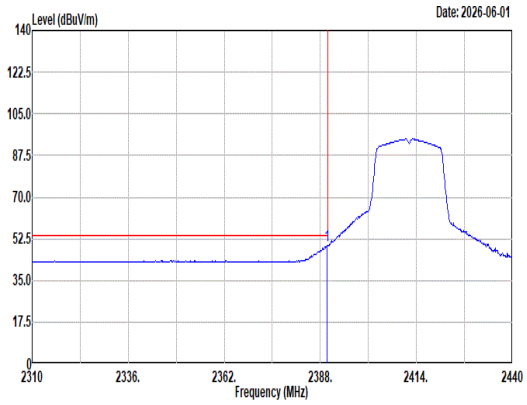
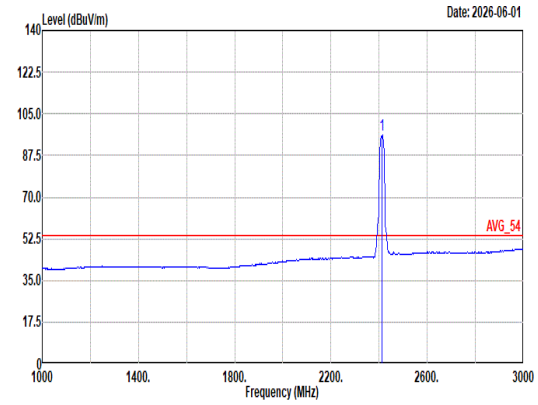
Mode	17	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2483.51 62.62 74.00 -11.38 51.82 27.94 6.93 34.10 10.03 100 68 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2462.00 103.13 ------ ------ 92.63 27.70 6.89 34.12 10.03 100 68 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 2483.55 49.14 54.00 -4.86 38.34 27.94 6.93 34.10 10.03 100 68 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto 1 2462.00 95.78 ------ ------ 85.26 27.72 6.89 34.12 10.03 100 68 Average

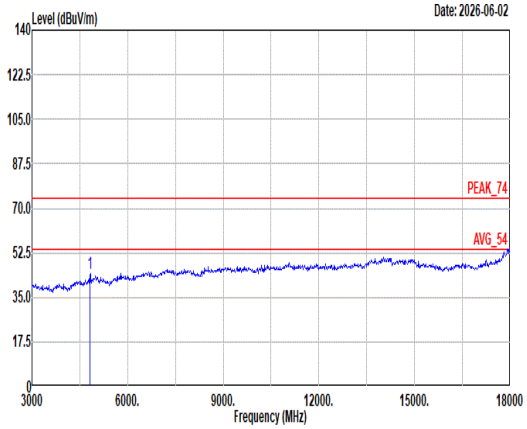
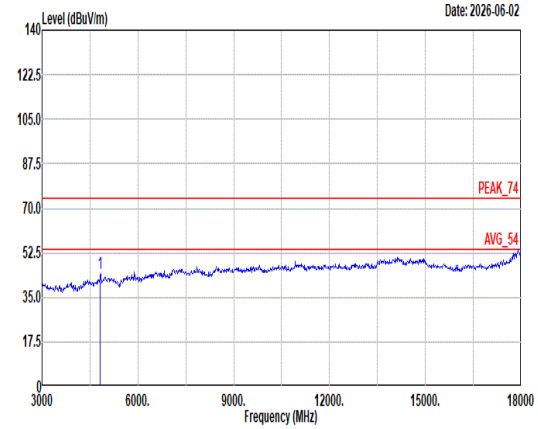
Mode	17	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.58 65.72 74.00 -8.28 54.92 27.94 6.93 34.10 10.03 100 100 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 104.09 ------ ------ 93.54 27.74 6.90 34.12 10.03 100 100 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 51.20 54.00 -2.80 40.40 27.94 6.93 34.10 10.03 100 100 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.750kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 96.83 ------ ------ 86.33 27.70 6.89 34.12 10.03 100 100 Average

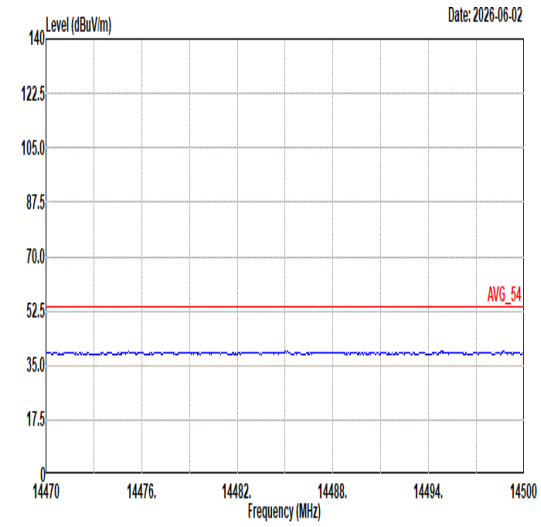
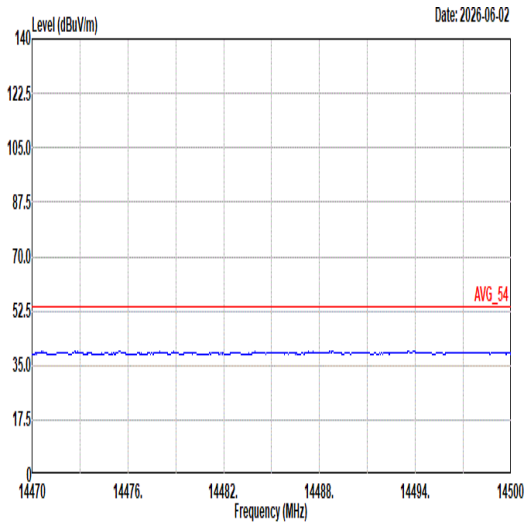
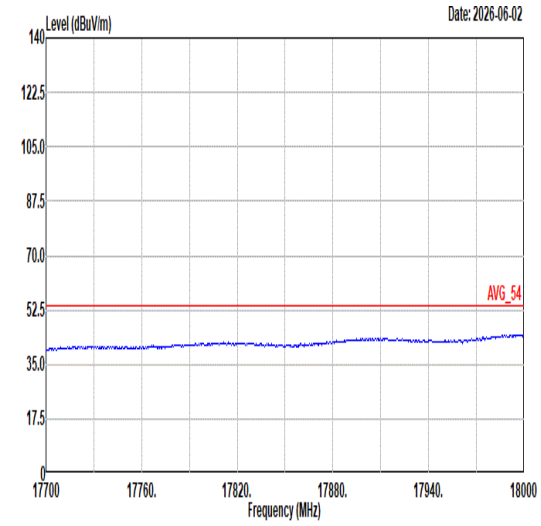
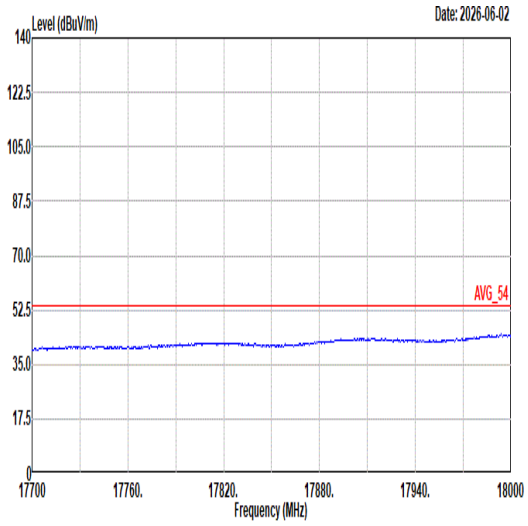
Mode	17	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 43.15 74.00 -30.85 53.99 33.19 11.27 55.90 0.60 -- -- Peak 2 7386.00 45.14 74.00 -28.86 50.77 36.96 13.46 56.47 0.42 -- -- Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 42.17 74.00 -31.83 53.01 33.19 11.27 55.90 0.60 -- -- Peak 2 7386.00 45.30 74.00 -28.70 50.93 36.96 13.46 56.47 0.42 -- -- Peak

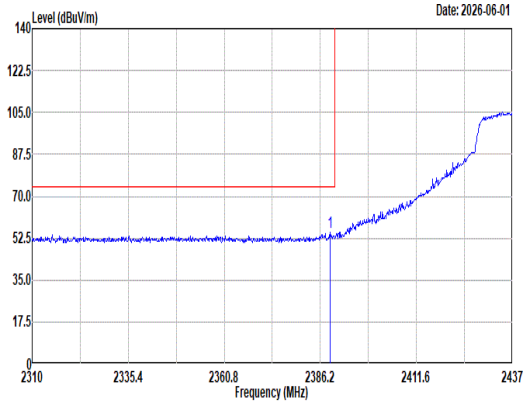
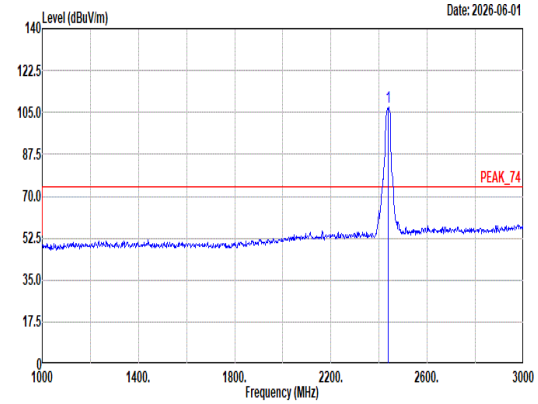
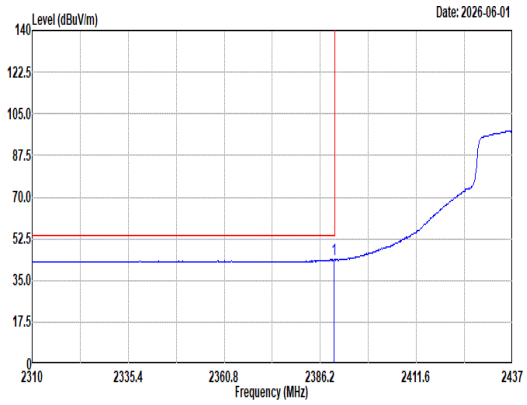
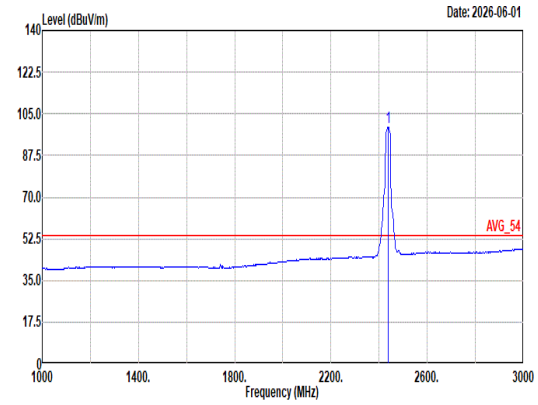
Mode	17	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL
17.7G ~18G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL

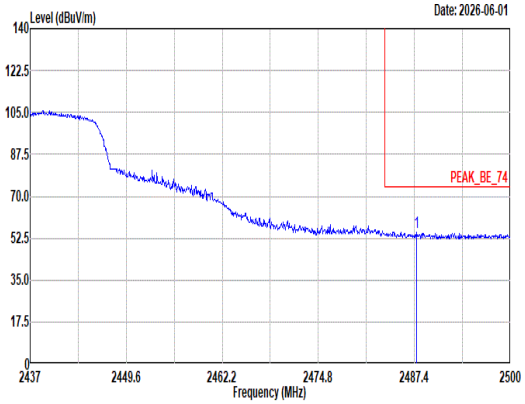
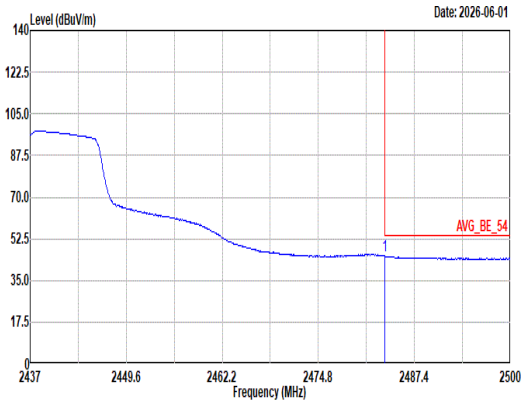
Mode	18	
	Band Edge	
	2400-2483.5_802.11n HT20_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2389.43 64.30 74.00 -9.70 54.29 27.39 6.78 34.19 10.03 200 65 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 2412.00 104.83 ------ ------ 94.73 27.42 6.82 34.17 10.03 200 65 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto 1 2389.95 51.11 54.00 -2.89 41.09 27.40 6.78 34.19 10.03 200 65 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto 1 2412.00 97.17 ------ ------ 87.04 27.44 6.82 34.16 10.03 200 65 Average

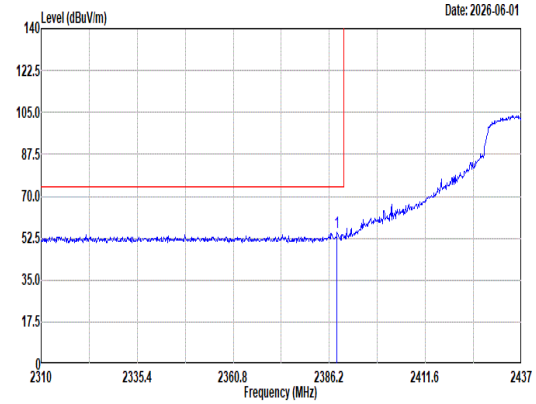
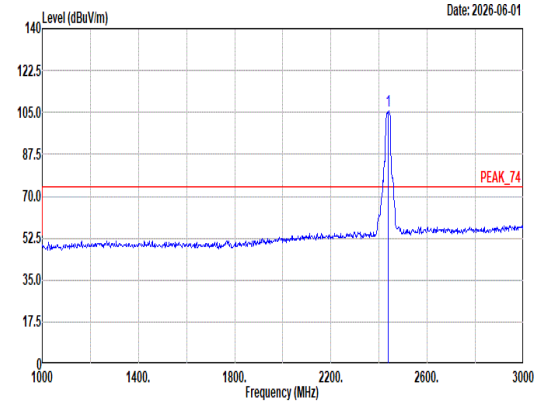
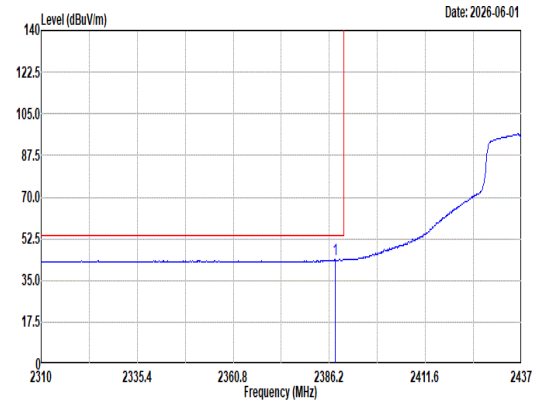
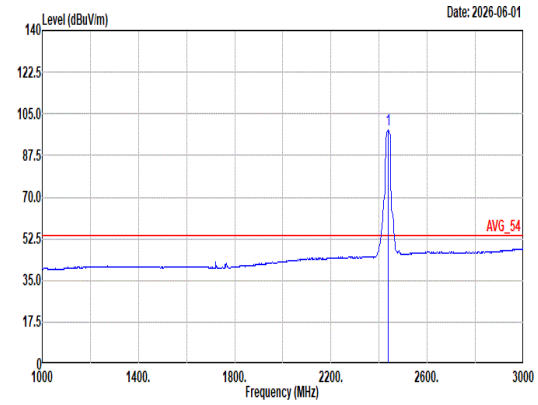
Mode	18	
	Band Edge	
	2400-2483.5_802.11n HT20_CH01_2412MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.82 65.11 74.00 -8.89 55.09 27.40 6.78 34.19 10.03 100 81 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 103.41 ------ ------ 93.33 27.40 6.82 34.17 10.03 100 81 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.82 49.47 54.00 -4.53 39.45 27.40 6.78 34.19 10.03 100 81 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 95.91 ------ ------ 85.78 27.44 6.82 34.16 10.03 100 81 Average

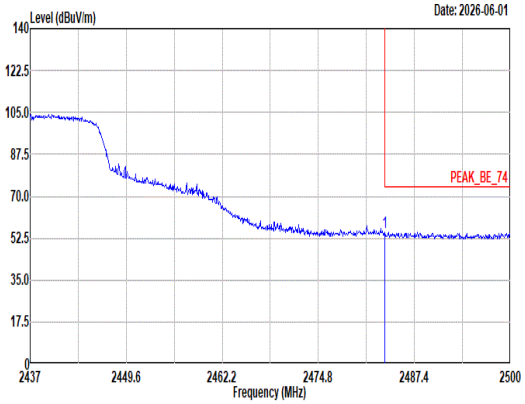
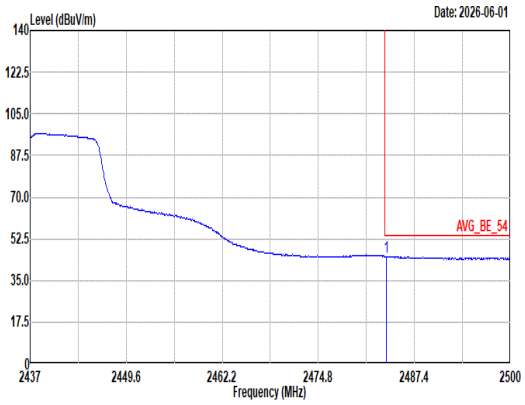
Mode	18	
	Harmonic	
	2400-2483.5_802.11n HT20_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 44.61 74.00 -29.39 55.86 32.44 11.55 55.86 0.62 -- -- Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 44.42 74.00 -29.58 55.67 32.44 11.55 55.86 0.62 -- -- Peak

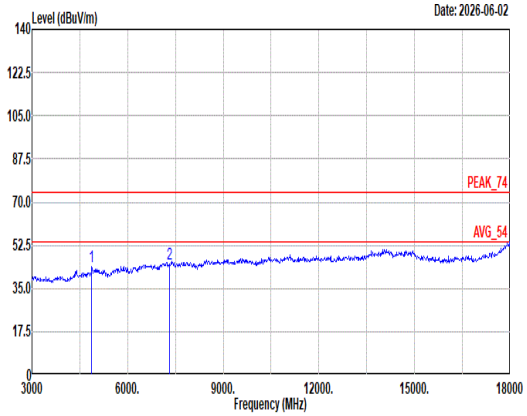
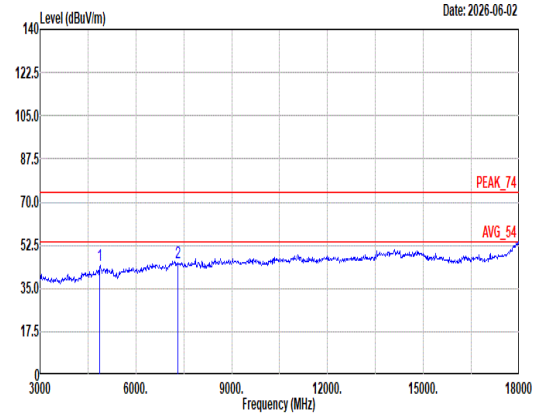
Mode	18	
	Harmonic	
	2400-2483.5_802.11n HT20_CH01_2412MHz	
ANT	4	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL
17.7G ~18G Avg	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL

Mode	19	
	Band Edge - L	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.87 55.11 74.00 -18.89 45.10 27.39 6.78 34.19 10.03 255 64 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 107.13 ------ ------ 96.78 27.60 6.86 34.14 10.03 255 64 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.88 43.83 54.00 -10.17 33.81 27.40 6.78 34.19 10.03 255 64 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 99.48 ------ ------ 89.13 27.60 6.86 34.14 10.03 255 64 Average

Mode	19	
	Band Edge - R	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2487.65 55.11 74.00 -18.89 44.26 27.98 6.93 34.09 10.03 255 64 Peak	Blank
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.56 45.26 54.00 -8.74 34.46 27.94 6.93 34.10 10.03 255 64 Average	Blank

Mode	19	
	Band Edge - L	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.23 54.77 74.00 -19.23 44.77 27.38 6.78 34.19 10.03 100 98 Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 105.61 ------ ------ 95.26 27.60 6.86 34.14 10.03 100 98 Peak
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2387.72 43.74 54.00 -10.26 33.74 27.38 6.78 34.19 10.03 100 98 Average	 Site : 03CH12-HY Condition: AVG_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 98.06 ------ ------ 87.71 27.60 6.86 34.14 10.03 100 98 Average

Mode	19	
	Band Edge - R	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	4	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE_74 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.56 55.03 74.00 -18.97 44.23 27.94 6.93 34.10 10.03 100 98 Peak	Blank
Avg	 Site : 03CH12-HY Condition: AVG_BE_54 3m 9120D-02114-250702 VERTICAL : RBW:1000.000kHz VBW:0.820kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.68 45.09 54.00 -8.91 34.29 27.94 6.93 34.10 10.03 100 98 Average	Blank

Mode	19	
	Harmonic	
	2400-2483.5_802.11n HT20_CH06_2437MHz	
ANT	4	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 43.93 74.00 -30.07 55.00 32.79 11.41 55.88 0.61 -- -- Peak 2 7311.00 45.15 74.00 -28.85 50.72 37.10 13.38 56.44 0.39 -- -- Peak	 Site : 03CH12-HY Condition: PEAK_74 3m 9120D-02114-250702 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 44.49 74.00 -29.51 55.56 32.79 11.41 55.88 0.61 -- -- Peak 2 7311.00 45.35 74.00 -28.65 50.92 37.10 13.38 56.44 0.39 -- -- Peak