



FCC RADIO TEST REPORT

FCC ID : Z64-CC33DBMOD
Equipment : 802.11 a/b/g/n/ac/ax WLAN + BLE Radio Module
Brand Name : Texas Instruments
Model Name : CC33MOD-DB
Applicant : Texas Instruments Incorporated
12500 TI BLVD., Dallas, Texas, 75243
Manufacturer : Texas Instruments Incorporated
12500 TI BLVD., Dallas, Texas, 75243
Standard : FCC Part 15 Subpart C §15.247

The product was received on May 05, 2025 and testing was performed from May 12, 2025 to Jun. 25, 2025. 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.)



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History of this test report

Report No.	Version	Description	Issue Date
FR550509B	01	Initial issue of report	Jul. 08, 2025
FR550509B	02	Revised Product Feature of Equipment Under Test This report is an updated version, replacing the report issued on Jul. 08, 2025	Jul. 14, 2025

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/manufacture 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: Danny Lee

Report Producer: Freda Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth - LE (125 kbps, 500 kbps, 1Mbps, 2Mbps), Wi-Fi 2.4GHz 802.11b/g/n/ax, and Wi-Fi 5GHz 802.11a/n/ac/ax.
Antenna Type WLAN: Chip Antenna

Antenna information
2400 MHz ~ 2483.5 MHz
Peak Gain (dBi)
3.0

Model Differences				
Model	Test Grade	WLAN (2.4GHz)	WLAN (5GHz)	BT LE
CC33MOD-DB	50	Yes	Yes	No
	51	Yes	Yes	Yes

Remark:

- The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
- The device is identical in hardware; the only difference lies in the software.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, CO07-HY, 03CH11-HY

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

FCC designation No.: TW3786



1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2013

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

This device support 26/52/106/242-tone RU.

The 242-tone RU is covered by 20MHz channel.

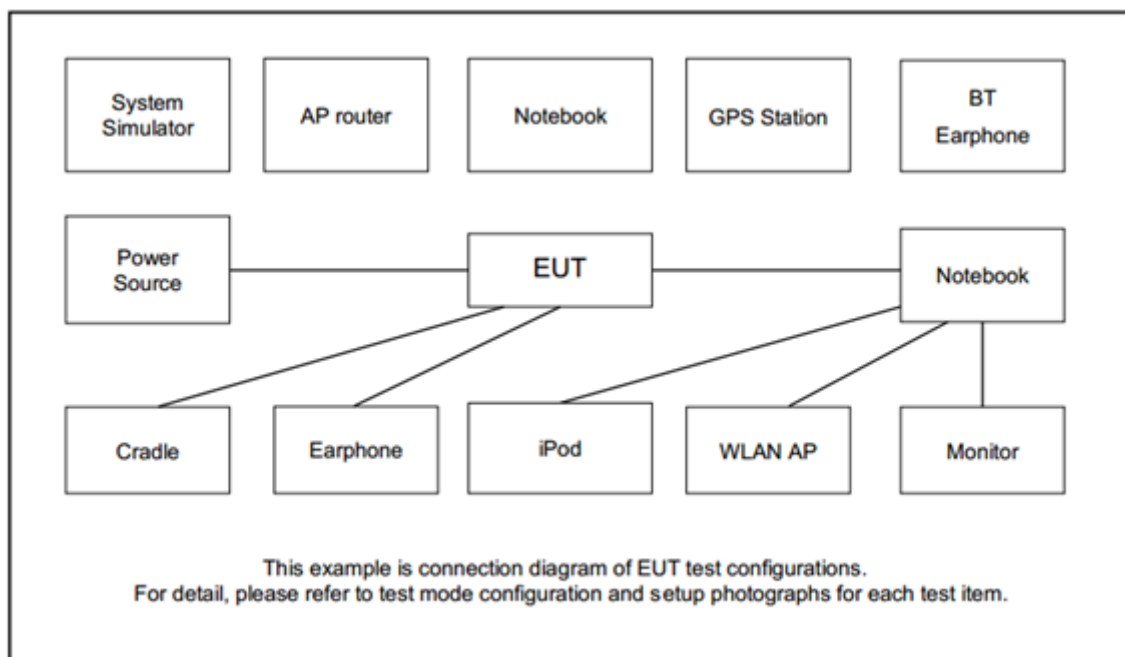
The final test modes include the worst data rates for each modulation shown in the table below.

Single Antenna

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11ax HE20	MCS0

Test Cases	
AC Conducted Emission	Mode 1 :WLAN(2.4GHz) TX + Development Kit with USB Cable (Charging from Notebook)
Remark: The detailed Radiated test modes are shown in Appendix E.	

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	Lenovo	81DE	FCC DoC	N/A	Unshielded, 1.8 m
3.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	USB HD	WD	WDBAAR3200ABK-PESN	FCC DoC	Shielded, 0.5m	N/A
5.	Development Kit	TI	LP-XDS110ET	N/A	N/A	N/A
6.	USB 3.0 to Gigabit Ethernet Network Adapter	TP-Link	UE300	FCC DoC	N/A	N/A
7.	USB-C to USB-A Cable	a+ plus	ACB-U31A	N/A	Shielded, 1.2m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "SimpleLink Wi-Fi Toolbox 2.4.1.eng-swt" was installed in Notebook which was programmed in order to 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

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.

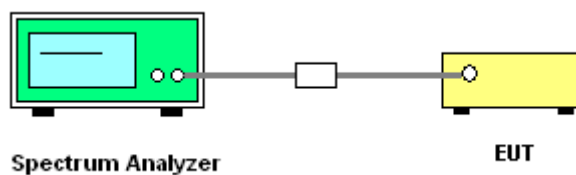
3.1.2 Measuring Instruments

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) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$.
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.

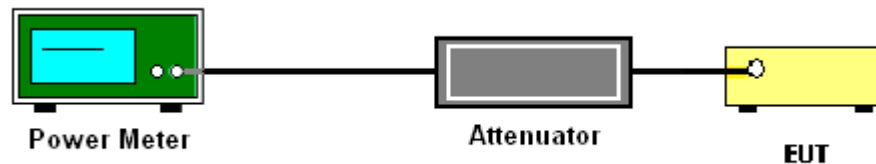
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

1. For Peak Power, the testing follows ANSI C63.10 Section 11.9.1.3 PKPM1.
2. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.1 Method AVGPM
3. 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.
4. Set the maximum power setting and enable the EUT to transmit continuously.
5. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.2.6 Test Result of Average Output Power

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.

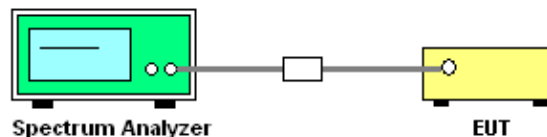
3.3.2 Measuring Instruments

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 = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

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.

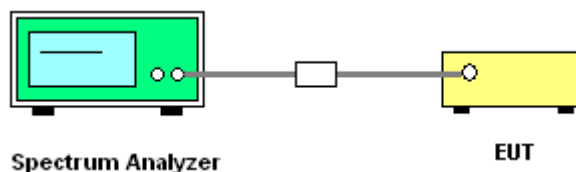
3.4.2 Measuring Instruments

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 11.12.2 Antenna-port conducted measurements.
2. Measure the conducted output power (in dBm) using the peak detector.
3. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP.
4. Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies ≤ 30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies > 1000 MHz).
5. Convert the resultant EIRP to an equivalent electric field strength using the following relationship:
$$E = \text{EIRP} - 20 \log d + 104.8,$$
where
E is the electric field strength in dB μ V/m
EIRP is the equivalent isotropically radiated power in dBm
d is the specified measurement distance in 3m
6. Compare the resultant electric field strength level with the applicable regulatory limit.
7. Corrected Reading for conducted spurious emission: Antenna Factor + Cable Loss + Read Level = Level
8. Perform the cabinet radiated spurious emission test.
9. 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.
10. 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.
11. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
12. Corrected Reading for cabinet radiated spurious emission: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
13. 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 “-”.
14. 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 “-”.

15. Use the following spectrum analyzer settings:

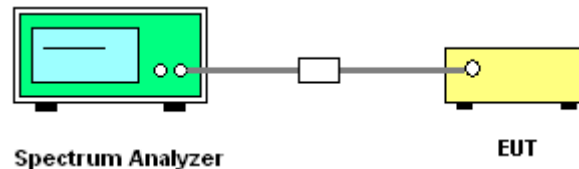
- (1) Span shall wide enough to fully capture the emission being measured;
- (2) Set RBW=100 kHz for $f < 1$ GHz; VBW $\geq$ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
- (3) Set RBW = 1 MHz, VBW = 3 MHz for $f \geq 1$ GHz for peak measurement.

For average measurement:

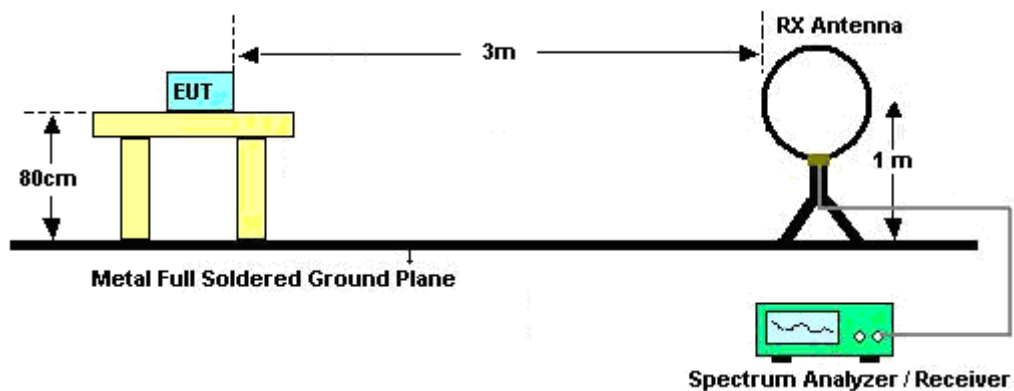
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

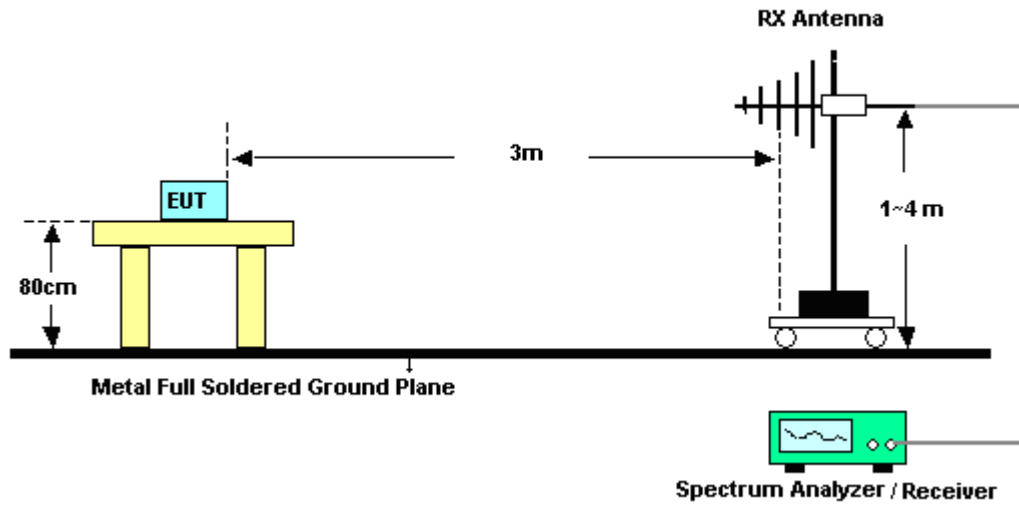
For Conducted Measurement Setup:



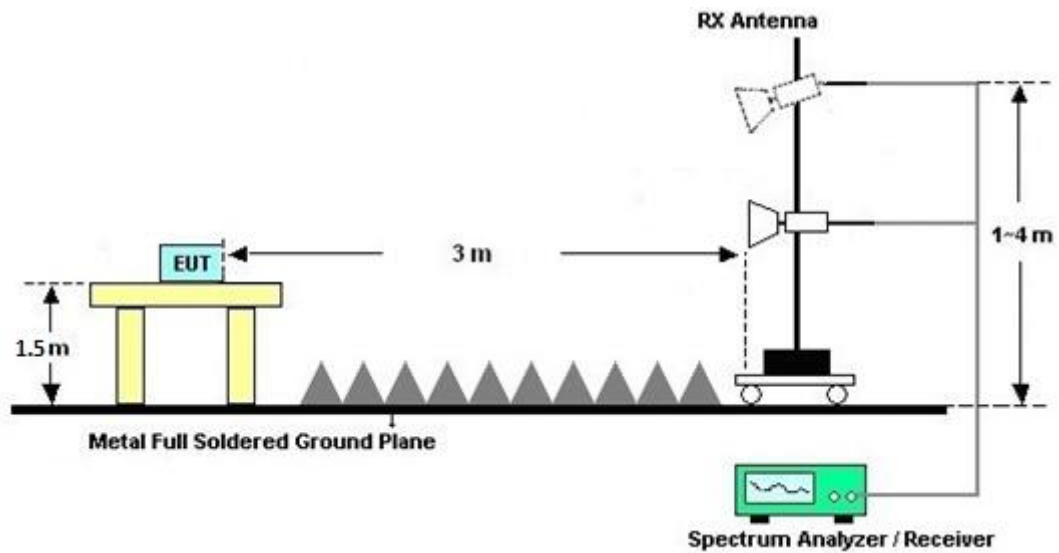
For radiated emissions below 30MHz



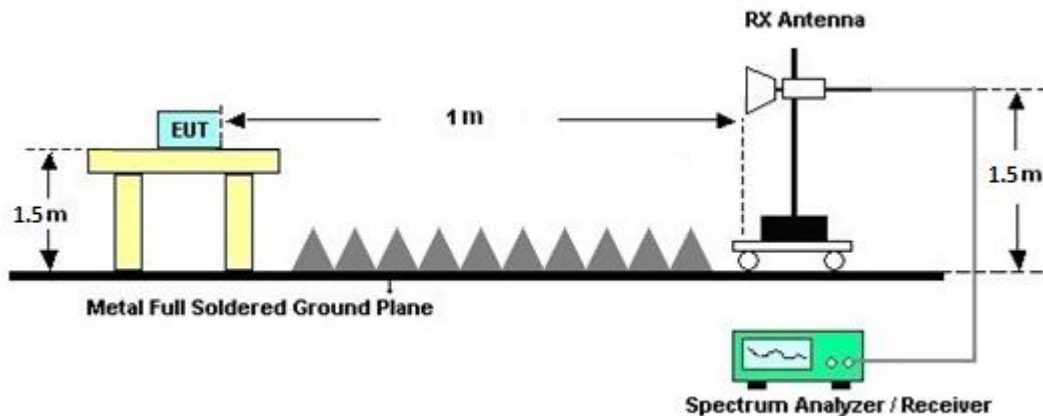
For radiated emissions from 30MHz to 1GHz



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 Conduced Spurious at Band Edges

Please refer to Appendix C and D.

3.5.7 Test Result of Conduced Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.5.8 Test Result of Cabinet Radiated Spurious at Band Edges

Please refer to Appendix E.

3.5.9 Test Result of Cabinet Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix E.

3.5.10 Duty Cycle

Please refer to Appendix F.

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 (dB μ V)	
	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.

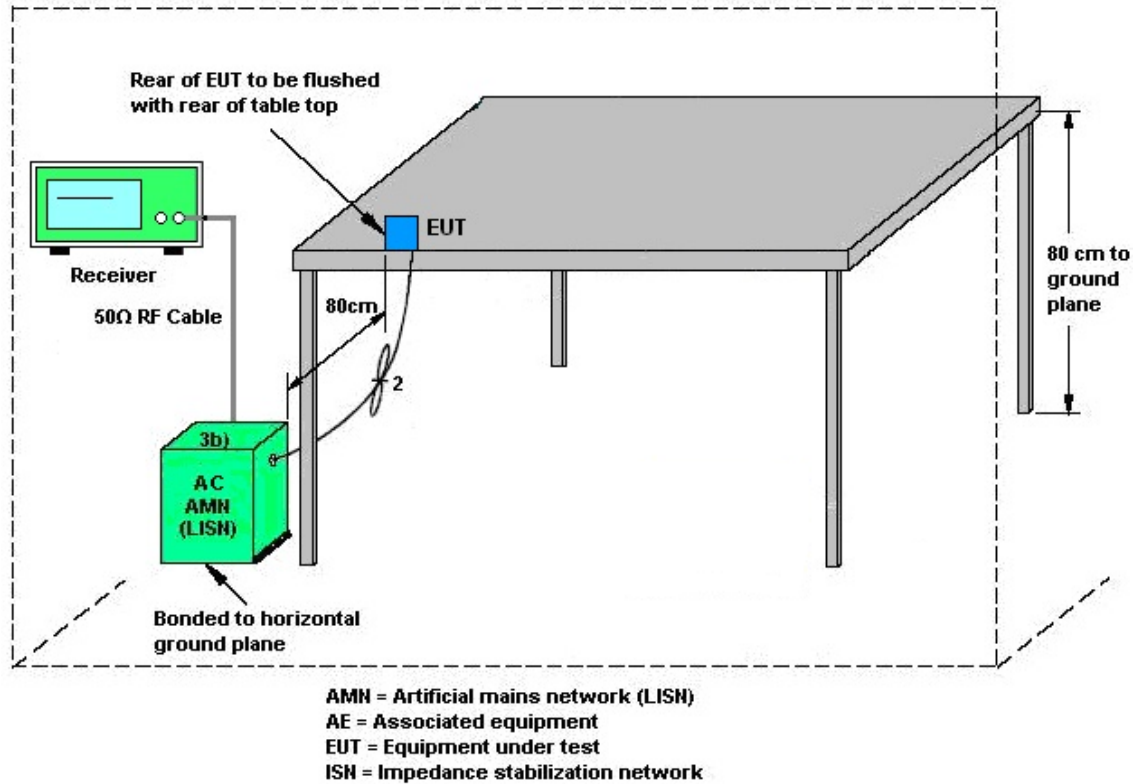
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

16. 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.
17. Connect EUT to the power mains through a line impedance stabilization network (LISN).
18. All the support units are connecting to the other LISN.
19. The LISN provides 50 ohm coupling impedance for the measuring instrument.
20. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
21. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
22. The frequency range from 150 kHz to 30 MHz is scanned.
23. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.7 Antenna Requirements

3.7.1 Standard Applicable

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
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01 N-06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	May 24, 2025~ Jun. 20, 2025	Nov. 26, 2025	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	May 24, 2025~ Jun. 20, 2025	Dec. 17, 2025	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 28, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 27, 2025	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	May 24, 2025~ Jun. 20, 2025	Jun. 23, 2025	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 07, 2024	May 24, 2025~ Jun. 20, 2025	Dec. 06, 2025	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 24, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 23, 2026	Radiation (03CH11-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18 G-56-01-A70	EC1900249	1GHz~18GHz	Jan. 21, 2025	May 24, 2025~ Jun. 20, 2025	Jan. 20, 2026	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 23, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 22, 2025	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 14, 2024	May 24, 2025~ Jun. 20, 2025	Oct. 13, 2025	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 19, 2024	May 24, 2025~ Jun. 20, 2025	Jul. 18, 2025	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Hygrometer	TECEPIL	DTM-303B	TP200880	N/A	Aug. 29, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 28, 2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139 2	30M~40G	May 10, 2025	May 24, 2025~ Jun. 20, 2025	May 09, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
Attenuator	HONOVA	5910 SMA-50-005	0028	N/A	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Keysight	N9010B	MY64320114	10Hz~44GHz	Oct. 05, 2024	May 16, 2025~ Jun. 03, 2025	Oct. 04, 2025	CSE (TH05-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN28	1.53GHz Low Pass Filter	May 22, 2024	May 16, 2025~ May 20, 2025	May 21, 2025	CSE (TH05-HY)
Filter	Wainwright	WLK4-1000-1 530-8000-40S S	SN28	1.53GHz Low Pass Filter	May 21, 2025	May 21, 2025~ Jun. 03, 2025	May 20, 2026	CSE (TH05-HY)
Filter	Wainwright	WHKX12-270 0-3000-18000- 60ST	SN7	3GHz High Pass Filter	Dec. 25, 2024	May 16, 2025~ Jun. 03, 2025	Dec. 24, 2025	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	May 16, 2025~ Jun. 03, 2025	Mar. 04, 2026	CSE (TH05-HY)
Hygrometer	TECEPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	May 12, 2025~ Jun. 25, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SN O31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	May 12, 2025~ Jun. 25, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1036004	N/A	Jul. 04, 2024	May 12, 2025~ Jun. 25, 2025	Jul. 03, 2025	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1027253	300MHz~40GHz	Jul. 04, 2024	May 12, 2025~ Jun. 25, 2025	Jul. 03, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	May 12, 2025~ Jun. 25, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	E-Instrument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	May 12, 2025~ Jun. 25, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final _version_2405 13	N/A	Conducted Other Test Item	N/A	May 12, 2025~ Jun. 25, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	May 22, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 22, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	May 22, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	May 22, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	May 22, 2025	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	May 22, 2025	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	May 22, 2025	Sep. 22, 2025	Conduction (CO07-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
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.4 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	21~25	°C
Test Date:	2025/5/12~2025/6/25	Relative Humidity:	51~54	%

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
					Ant1	Ant2	Ant1	Ant2		
11b	1Mbps	1	1	2412	12.62	-	7.52	-	0.50	Pass
11b	1Mbps	1	6	2437	12.55	-	7.07	-	0.50	Pass
11b	1Mbps	1	11	2462	12.52	-	8.04	-	0.50	Pass
11g	6Mbps	1	1	2412	17.20	-	15.16	-	0.50	Pass
11g	6Mbps	1	6	2437	17.59	-	15.11	-	0.50	Pass
11g	6Mbps	1	11	2462	18.07	-	15.14	-	0.50	Pass
HT20	MCS0	1	1	2412	17.69	-	15.13	-	0.50	Pass
HT20	MCS0	1	6	2437	18.05	-	15.34	-	0.50	Pass
HT20	MCS0	1	11	2462	17.87	-	15.16	-	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
					Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	18.20	-	30.00	-	3.00	-	21.20	-	36.00	-	Pass
11b	1Mbps	1	6	2437	16.60	-	30.00	-	3.00	-	19.60	-	36.00	-	Pass
11b	1Mbps	1	11	2462	16.70	-	30.00	-	3.00	-	19.70	-	36.00	-	Pass
11g	6Mbps	1	1	2412	13.60	-	30.00	-	3.00	-	16.60	-	36.00	-	Pass
11g	6Mbps	1	6	2437	18.00	-	30.00	-	3.00	-	21.00	-	36.00	-	Pass
11g	6Mbps	1	11	2462	15.20	-	30.00	-	3.00	-	18.20	-	36.00	-	Pass
HT20	MCS0	1	1	2412	13.80	-	30.00	-	3.00	-	16.80	-	36.00	-	Pass
HT20	MCS0	1	6	2437	18.10	-	30.00	-	3.00	-	21.10	-	36.00	-	Pass
HT20	MCS0	1	11	2462	14.80	-	30.00	-	3.00	-	17.80	-	36.00	-	Pass

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

TEST RESULTS DATA
Peak Output Power

2.4GHz Band Single Antenna															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Peak Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	20.80	-	30.00	-	3.00	-	23.80	-	36.00	-	Pass
11b	1Mbps	1	6	2437	19.12	-	30.00	-	3.00	-	22.12	-	36.00	-	Pass
11b	1Mbps	1	11	2462	19.23	-	30.00	-	3.00	-	22.23	-	36.00	-	Pass
11g	6Mbps	1	1	2412	20.93	-	30.00	-	3.00	-	23.93	-	36.00	-	Pass
11g	6Mbps	1	6	2437	24.05	-	30.00	-	3.00	-	27.05	-	36.00	-	Pass
11g	6Mbps	1	11	2462	22.44	-	30.00	-	3.00	-	25.44	-	36.00	-	Pass
HT20	MCS0	1	1	2412	21.00	-	30.00	-	3.00	-	24.00	-	36.00	-	Pass
HT20	MCS0	1	6	2437	23.91	-	30.00	-	3.00	-	26.91	-	36.00	-	Pass
HT20	MCS0	1	11	2462	21.50	-	30.00	-	3.00	-	24.50	-	36.00	-	Pass

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

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band Single Antenna											
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)		DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	-5.34	-	3.00	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-7.14	-	3.00	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-7.09	-	3.00	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-10.80	-	3.00	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-6.30	-	3.00	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-9.56	-	3.00	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-11.67	-	3.00	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-7.91	-	3.00	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-10.99	-	3.00	-	8.00	-	Pass

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

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna											
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
						Ant1	Ant2	Ant1	Ant2		
HE20	MCS0	1	1	2412	Full	18.89	-	16.63	-	0.50	Pass
HE20	MCS0	1	1	2412	26/0	18.06	-	11.94	-	0.50	Pass
HE20	MCS0	1	1	2412	52/37	17.83	-	16.97	-	0.50	Pass
HE20	MCS0	1	1	2412	106/53	17.68	-	16.99	-	0.50	Pass
HE20	MCS0	1	6	2437	Full	19.17	-	17.89	-	0.50	Pass
HE20	MCS0	1	6	2437	26/4	16.32	-	2.64	-	0.50	Pass
HE20	MCS0	1	6	2437	52/38	16.72	-	15.00	-	0.50	Pass
HE20	MCS0	1	6	2437	106/53	18.05	-	16.99	-	0.50	Pass
HE20	MCS0	1	11	2462	Full	18.89	-	17.44	-	0.50	Pass
HE20	MCS0	1	11	2462	26/8	17.89	-	2.02	-	0.50	Pass
HE20	MCS0	1	11	2462	52/40	17.80	-	16.98	-	0.50	Pass
HE20	MCS0	1	11	2462	106/54	17.74	-	16.95	-	0.50	Pass

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	1	1	2412	Full	12.80	-	30.00	-	3.00	-	15.80	-	36.00	-	Pass
HE20	MCS0	1	1	2412	26/0	11.40	-	30.00	-	3.00	-	14.40	-	36.00	-	Pass
HE20	MCS0	1	1	2412	52/37	11.90	-	30.00	-	3.00	-	14.90	-	36.00	-	Pass
HE20	MCS0	1	1	2412	106/53	11.50	-	30.00	-	3.00	-	14.50	-	36.00	-	Pass
HE20	MCS0	1	6	2437	Full	18.10	-	30.00	-	3.00	-	21.10	-	36.00	-	Pass
HE20	MCS0	1	6	2437	26/4	17.70	-	30.00	-	3.00	-	20.70	-	36.00	-	Pass
HE20	MCS0	1	6	2437	52/38	18.10	-	30.00	-	3.00	-	21.10	-	36.00	-	Pass
HE20	MCS0	1	6	2437	106/53	16.90	-	30.00	-	3.00	-	19.90	-	36.00	-	Pass
HE20	MCS0	1	11	2462	Full	13.10	-	30.00	-	3.00	-	16.10	-	36.00	-	Pass
HE20	MCS0	1	11	2462	26/8	11.70	-	30.00	-	3.00	-	14.70	-	36.00	-	Pass
HE20	MCS0	1	11	2462	52/40	11.00	-	30.00	-	3.00	-	14.00	-	36.00	-	Pass
HE20	MCS0	1	11	2462	106/54	11.50	-	30.00	-	3.00	-	14.50	-	36.00	-	Pass

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

TEST RESULTS DATA
Peak Output Power

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Peak Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
						Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	1	1	2412	Full	21.78	-	30.00	-	3.00	-	24.78	-	36.00	-	Pass
HE20	MCS0	1	1	2412	26/0	22.23	-	30.00	-	3.00	-	25.23	-	36.00	-	Pass
HE20	MCS0	1	1	2412	52/37	22.22	-	30.00	-	3.00	-	25.22	-	36.00	-	Pass
HE20	MCS0	1	1	2412	106/53	21.75	-	30.00	-	3.00	-	24.75	-	36.00	-	Pass
HE20	MCS0	1	6	2437	Full	24.13	-	30.00	-	3.00	-	27.13	-	36.00	-	Pass
HE20	MCS0	1	6	2437	26/4	24.04	-	30.00	-	3.00	-	27.04	-	36.00	-	Pass
HE20	MCS0	1	6	2437	52/38	23.97	-	30.00	-	3.00	-	26.97	-	36.00	-	Pass
HE20	MCS0	1	6	2437	106/53	23.86	-	30.00	-	3.00	-	26.86	-	36.00	-	Pass
HE20	MCS0	1	11	2462	Full	22.01	-	30.00	-	3.00	-	25.01	-	36.00	-	Pass
HE20	MCS0	1	11	2462	26/8	22.41	-	30.00	-	3.00	-	25.41	-	36.00	-	Pass
HE20	MCS0	1	11	2462	52/40	21.42	-	30.00	-	3.00	-	24.42	-	36.00	-	Pass
HE20	MCS0	1	11	2462	106/54	21.89	-	30.00	-	3.00	-	24.89	-	36.00	-	Pass

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

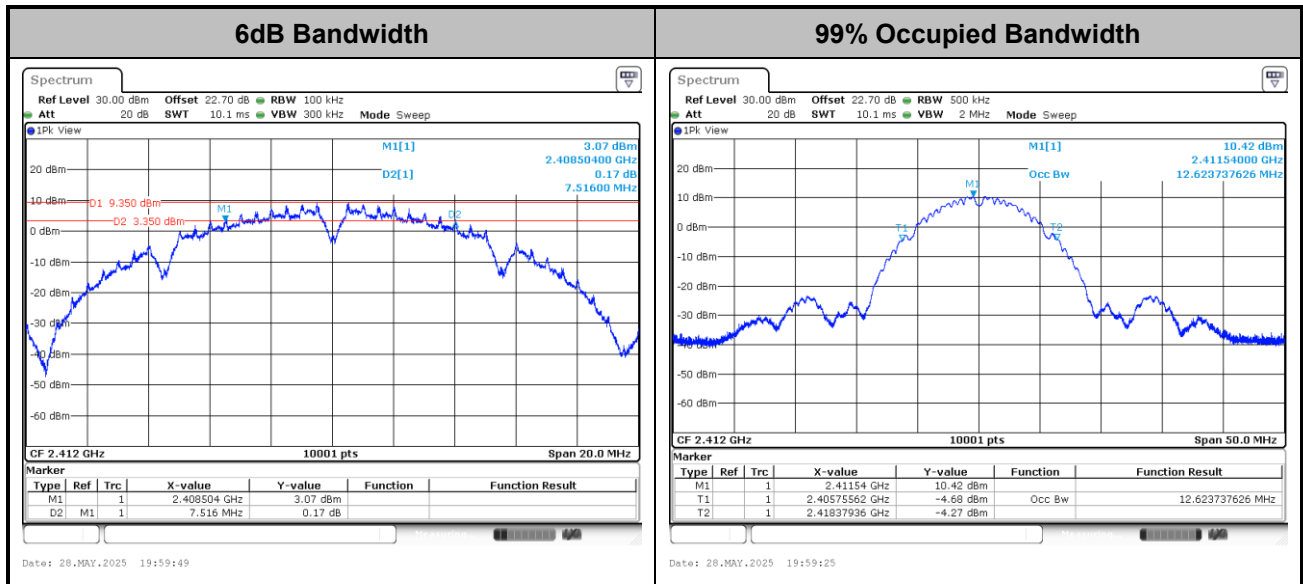
TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band Single Antenna												
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Peak PSD (dBm/3kHz)		DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
						Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
HE20	MCS0	1	1	2412	Full	-13.75	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	1	2412	26/0	-6.05	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	1	2412	52/37	-8.85	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	1	2412	106/53	-12.13	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	6	2437	Full	-7.69	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	6	2437	26/4	-1.04	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	6	2437	52/38	-2.98	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	6	2437	106/53	-6.44	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	11	2462	Full	-12.23	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	11	2462	26/8	-6.95	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	11	2462	52/40	-9.29	-	3.00	-	8.00	-	Pass
HE20	MCS0	1	11	2462	106/54	-11.50	-	3.00	-	8.00	-	Pass

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

**6dB and 99% Occupied Bandwidth**

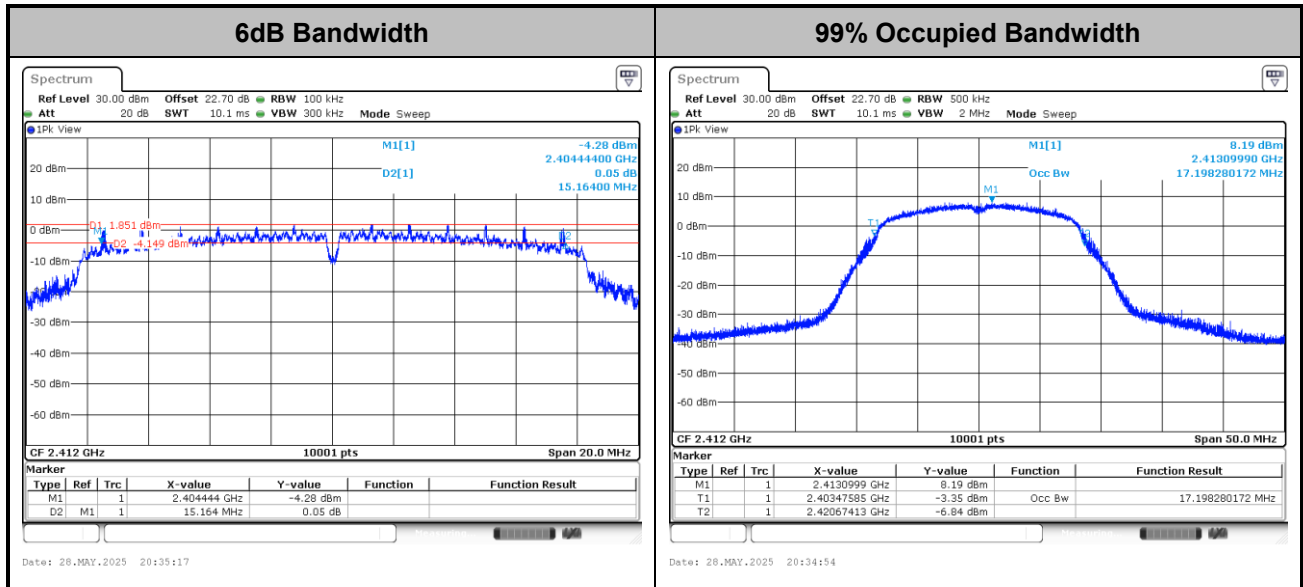
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Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



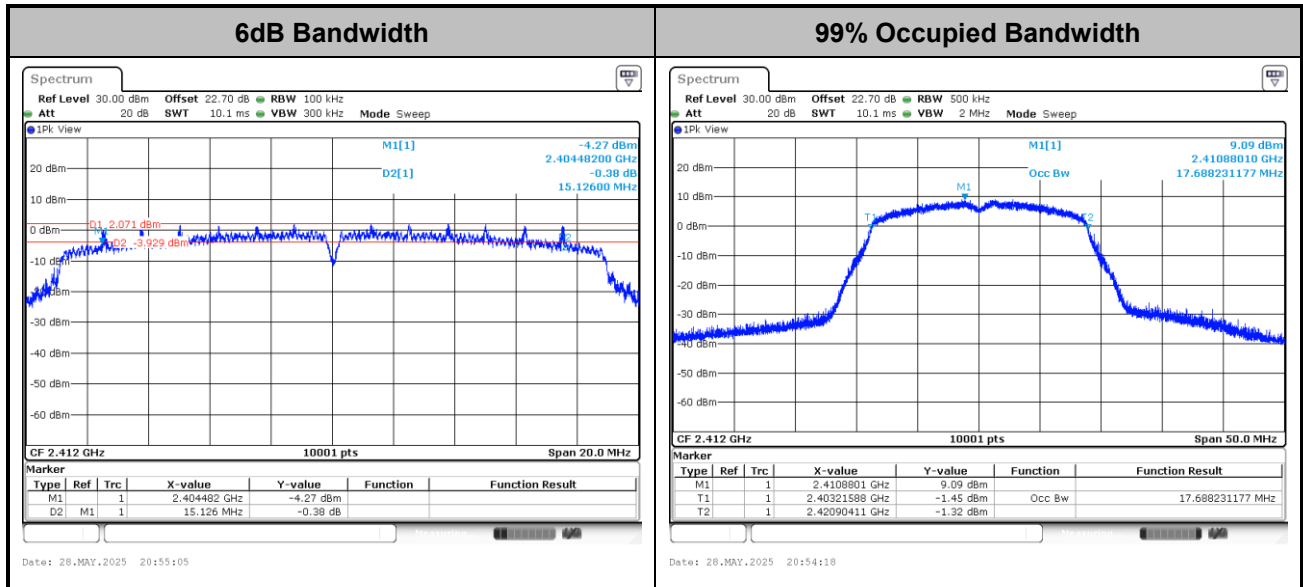
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Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



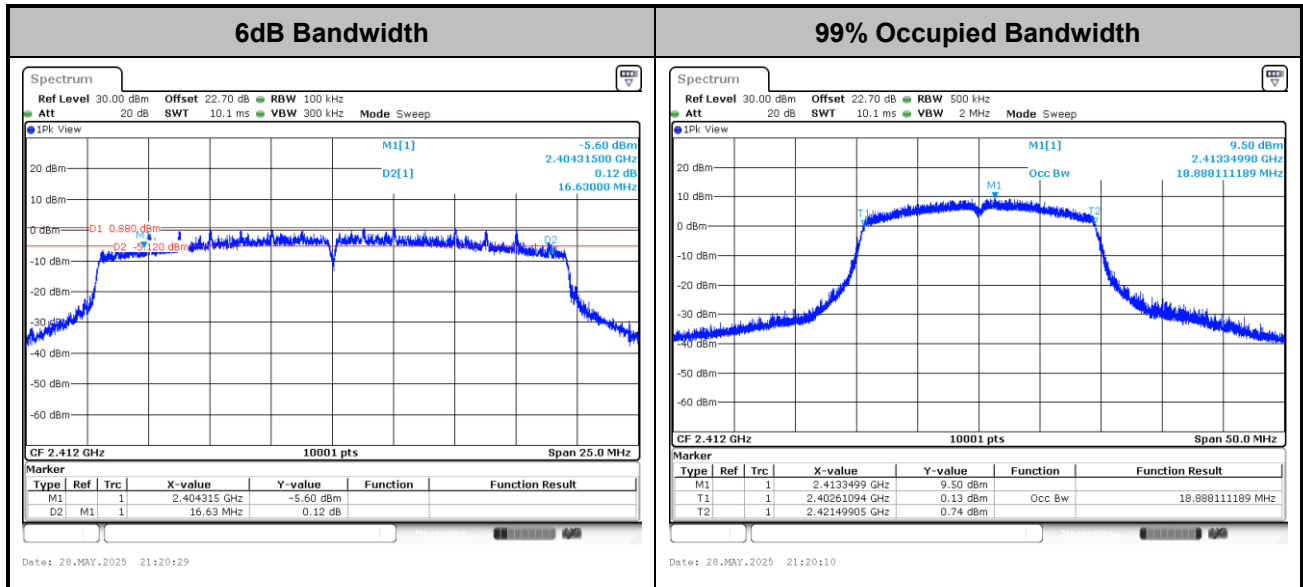
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Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



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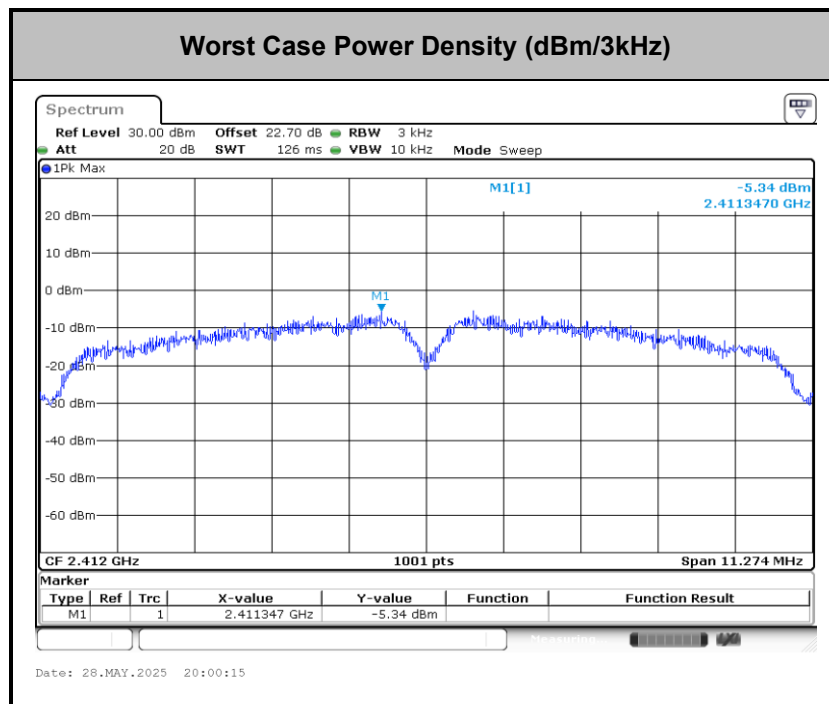


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



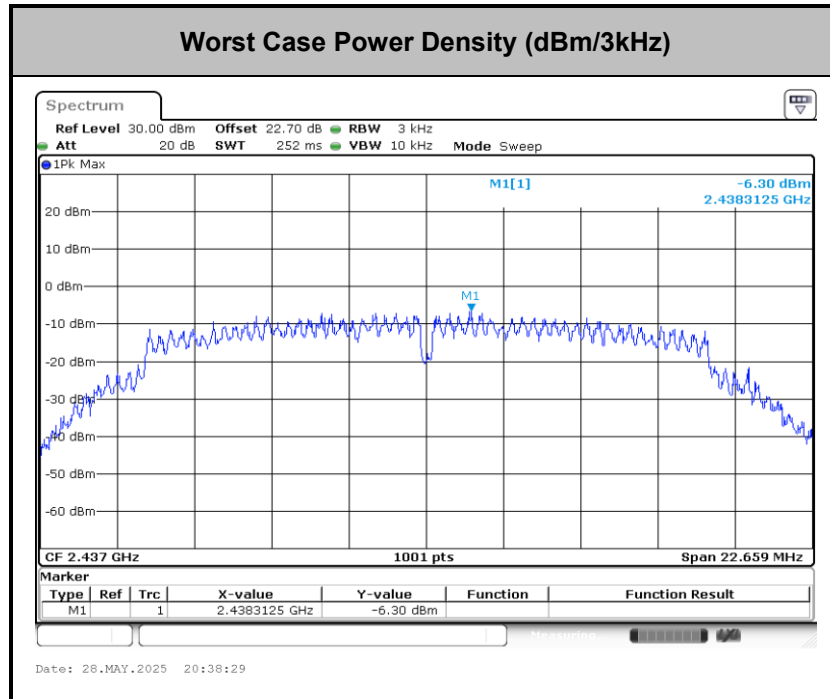
Power Spectral Density(dBm/3kHz)

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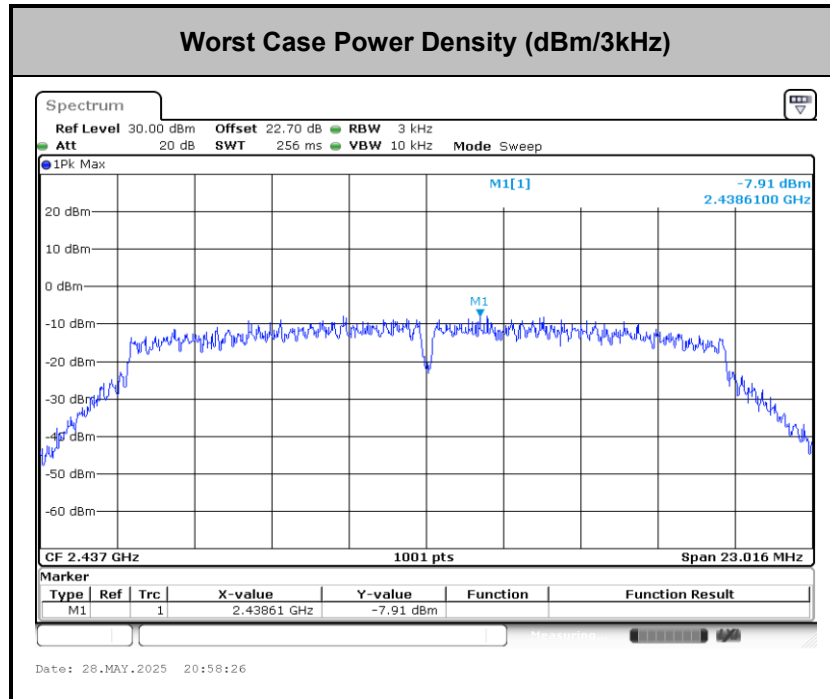


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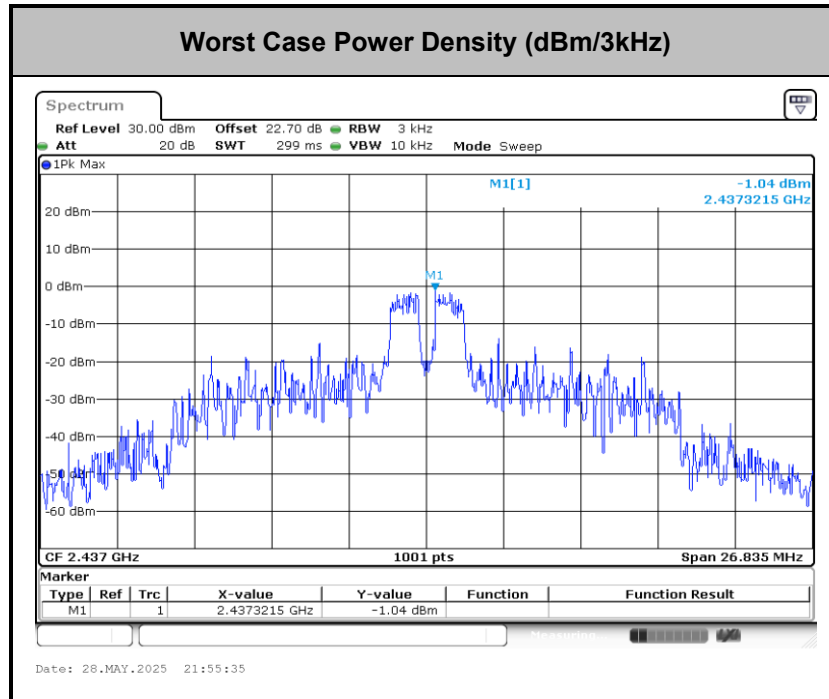


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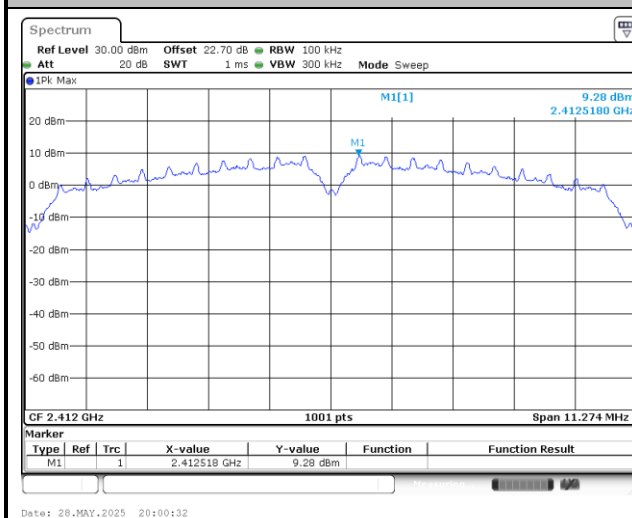
**Band Edges and Spurious Emission**

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

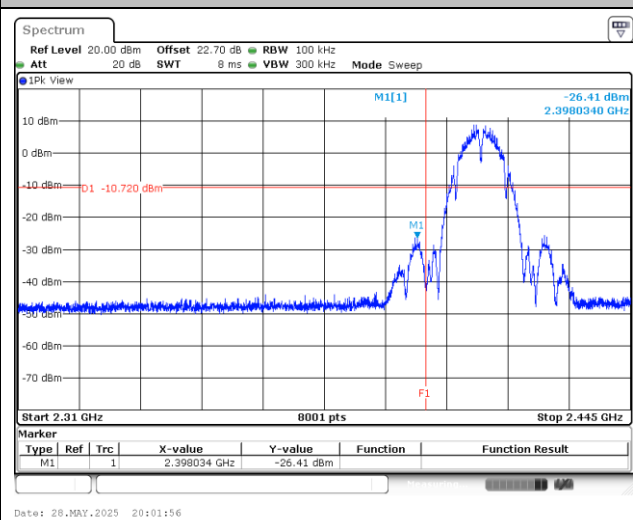
Test Mode : 802.11b

Test Channel : 01

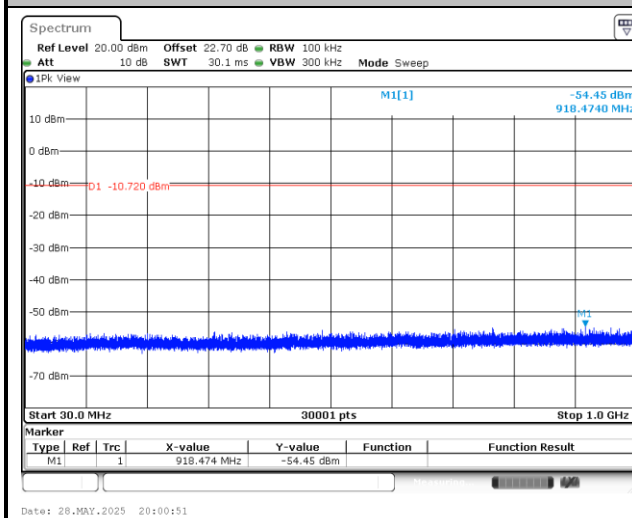
100kHz PSD reference Level



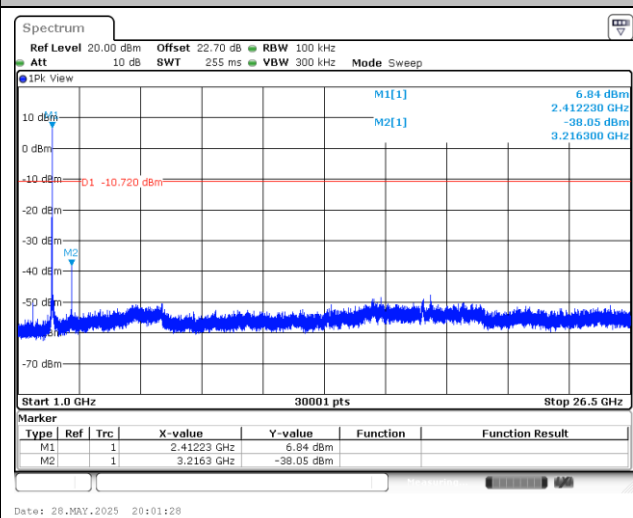
Channel 01 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

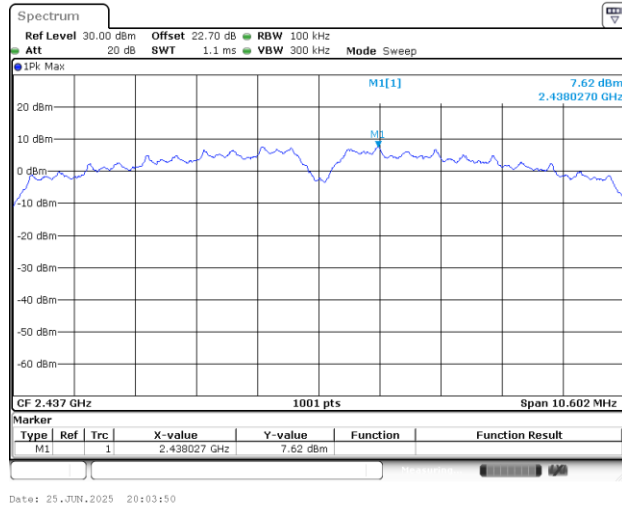




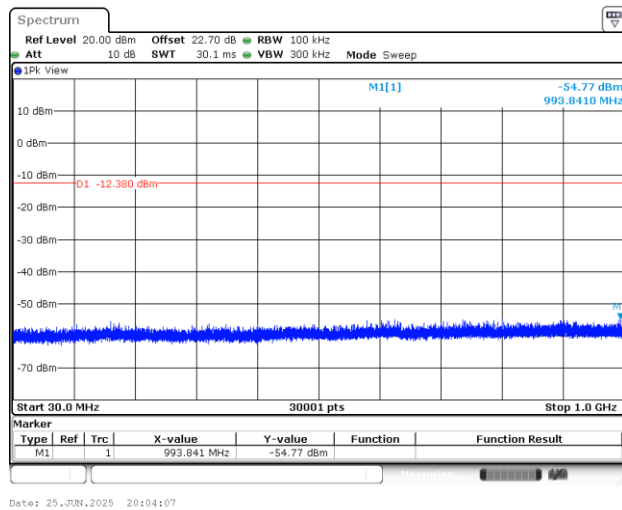
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Test Channel : 06

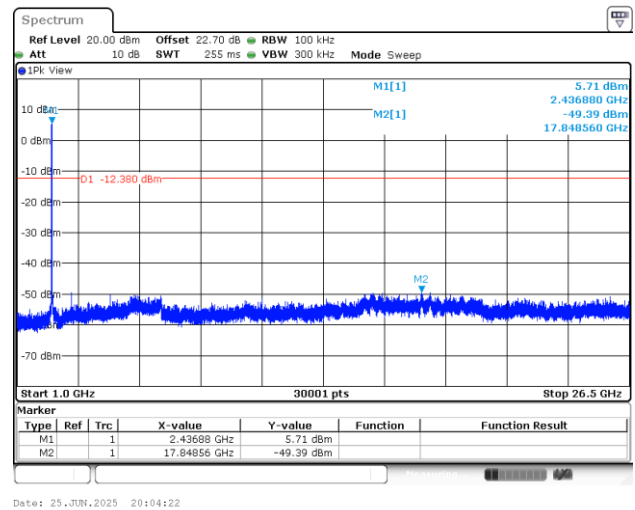
100kHz PSD reference Level



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

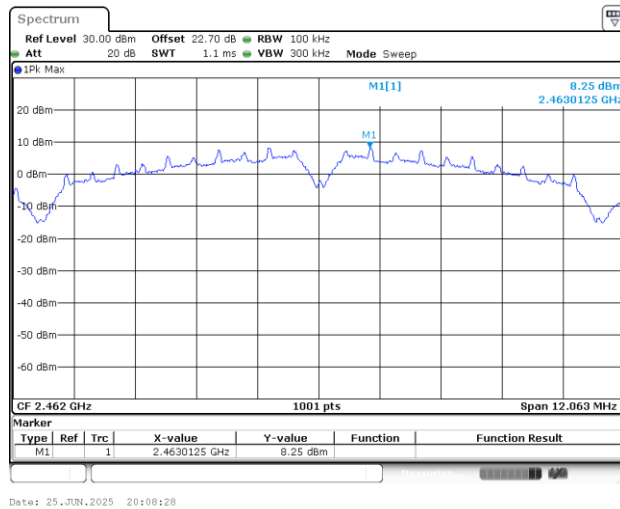




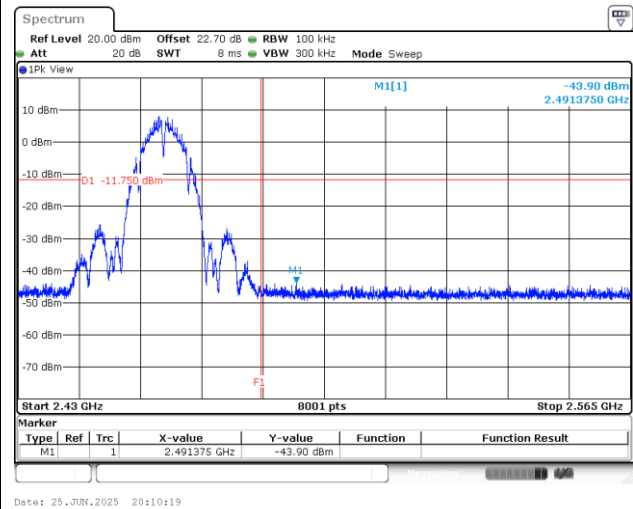
Test Mode : 802.11b

Test Channel : 11

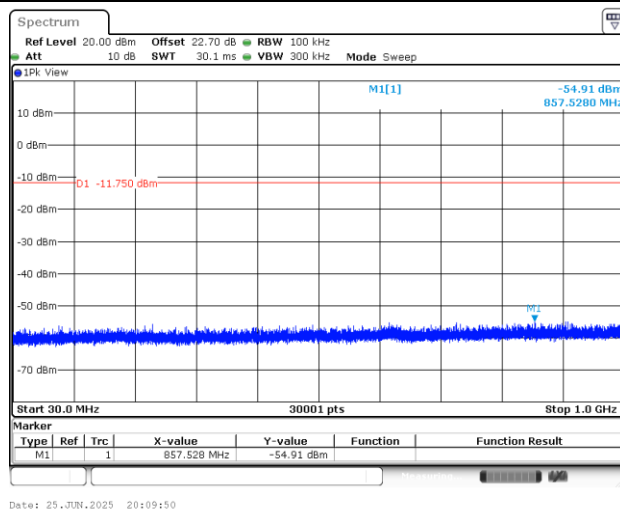
100kHz PSD reference Level



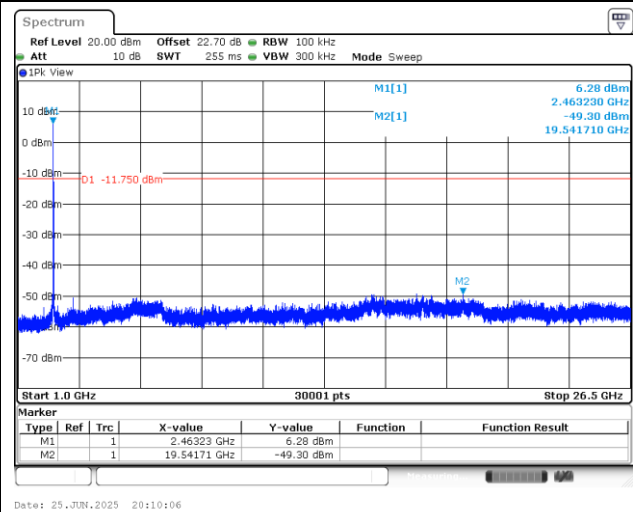
Channel 11 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

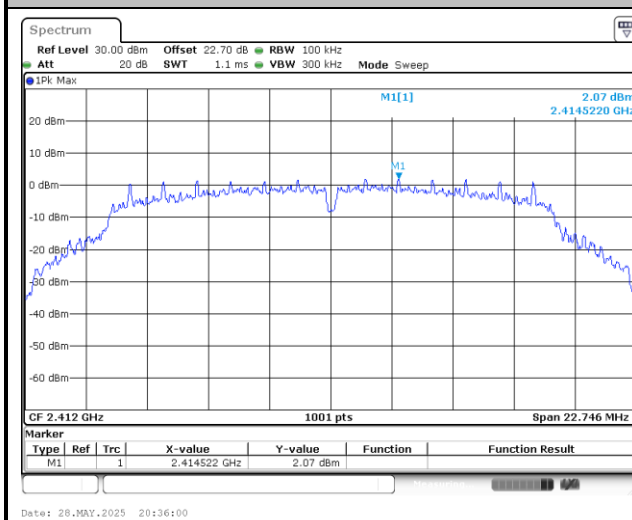




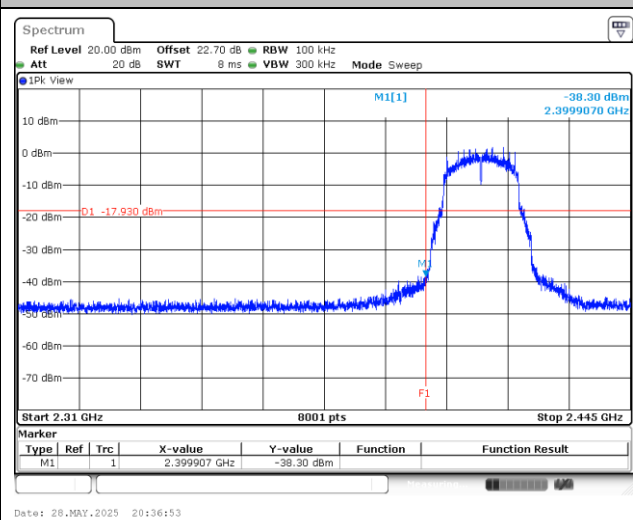
Test Mode : 802.11g

Test Channel : 01

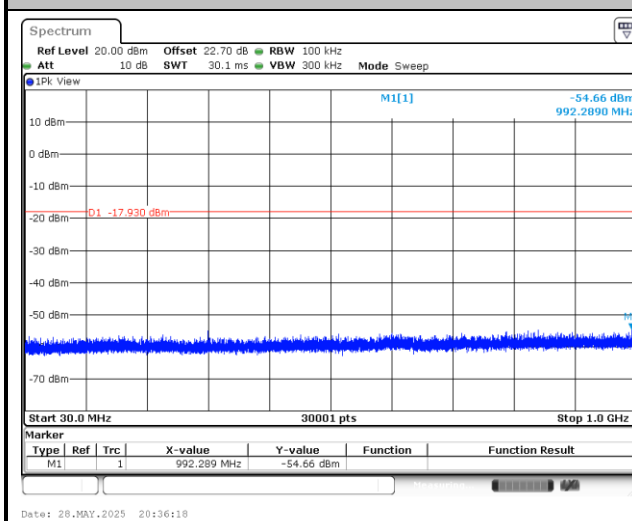
100kHz PSD reference Level



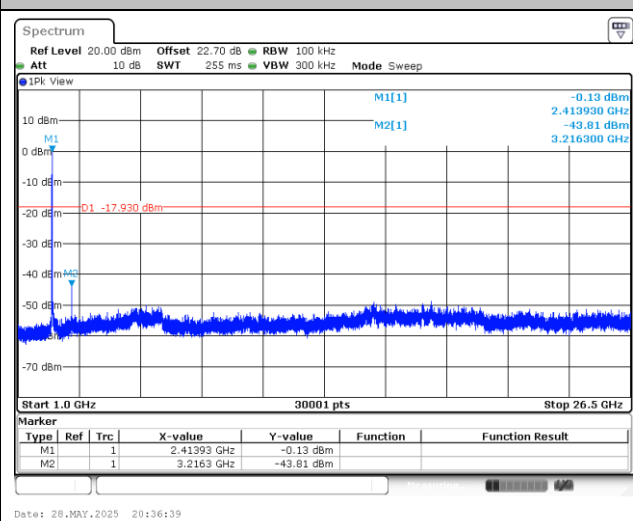
Channel 01 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

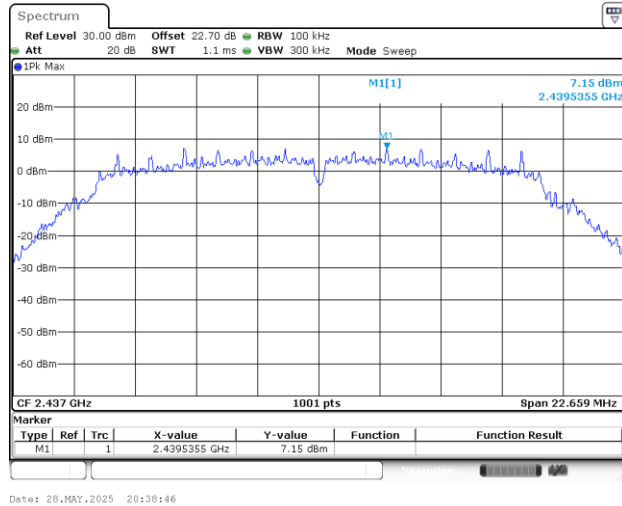




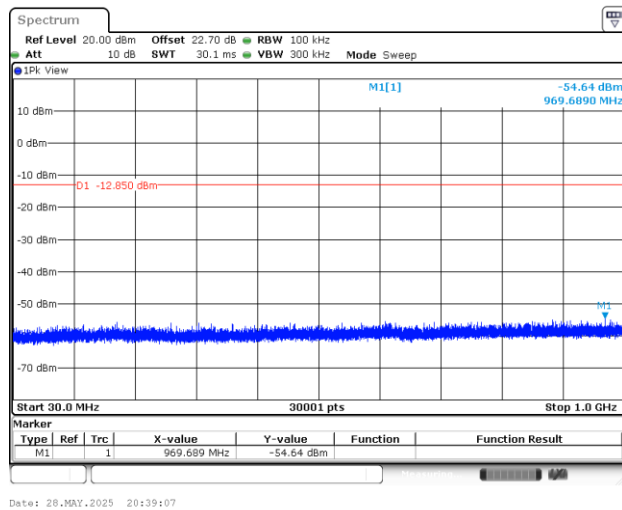
Test Mode : 802.11g

Test Channel : 06

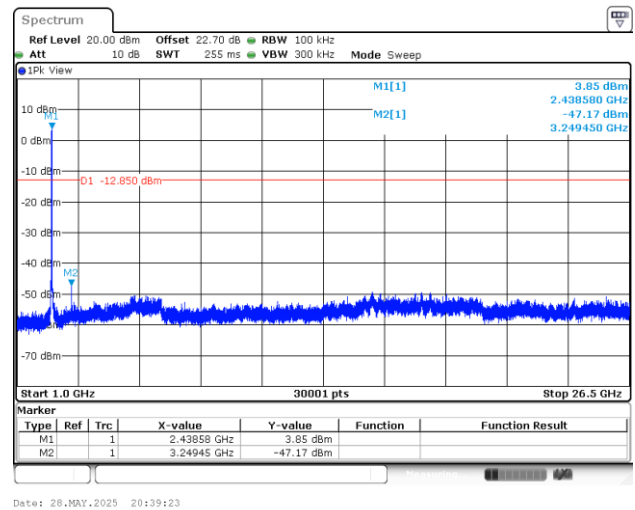
100kHz PSD reference Level



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

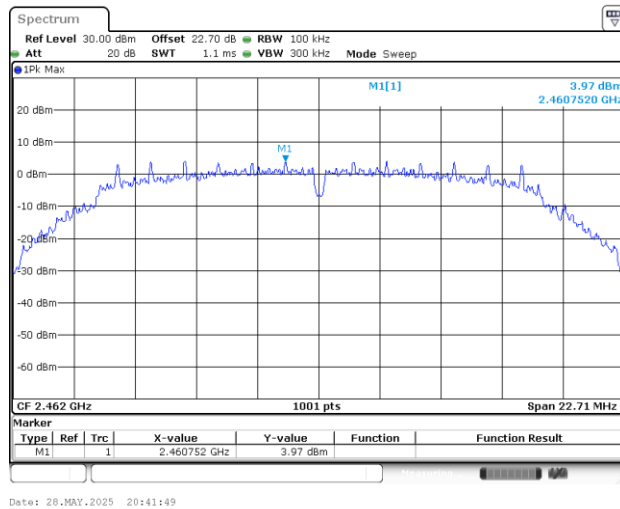




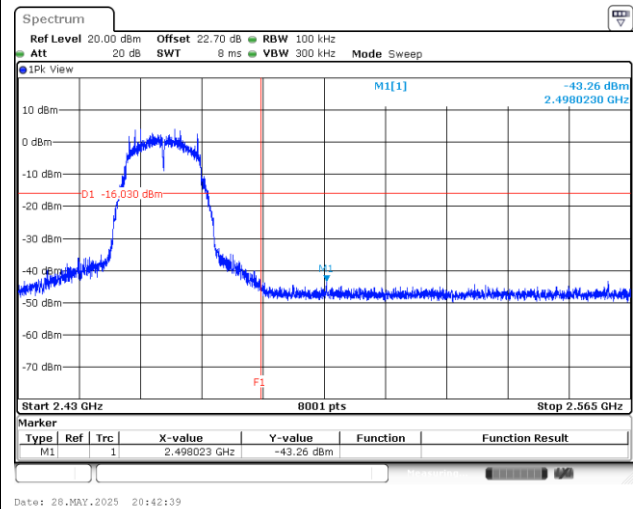
Test Mode : 802.11g

Test Channel : 11

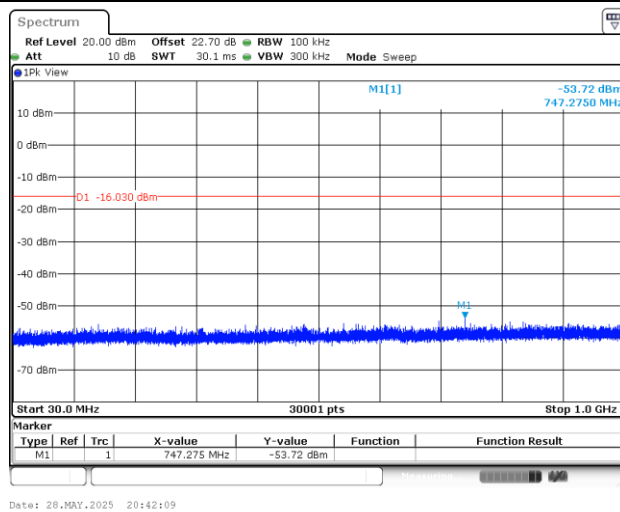
100kHz PSD reference Level



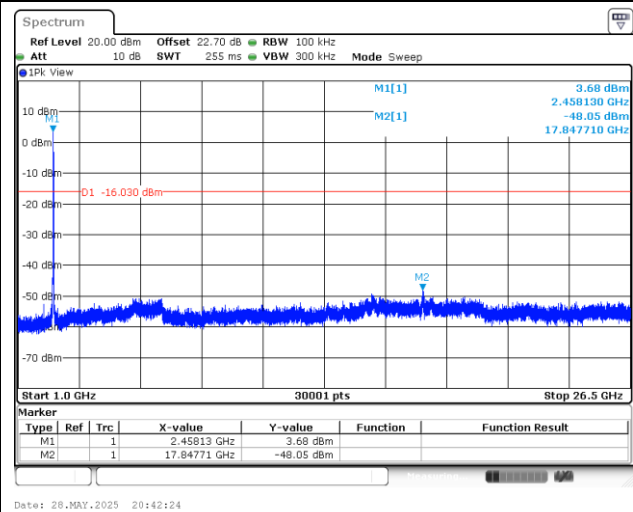
Channel 11 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

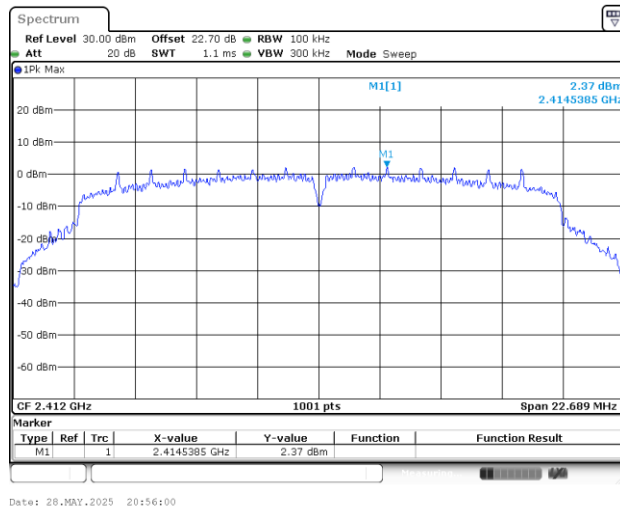




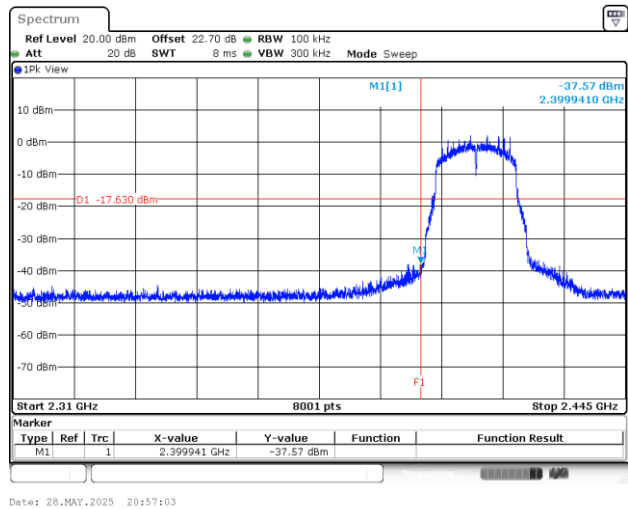
Test Mode : 802.11gN20

Test Channel : 01

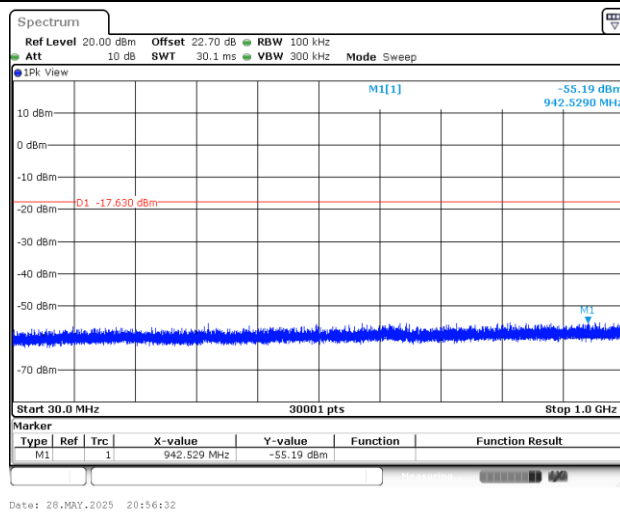
100kHz PSD reference Level



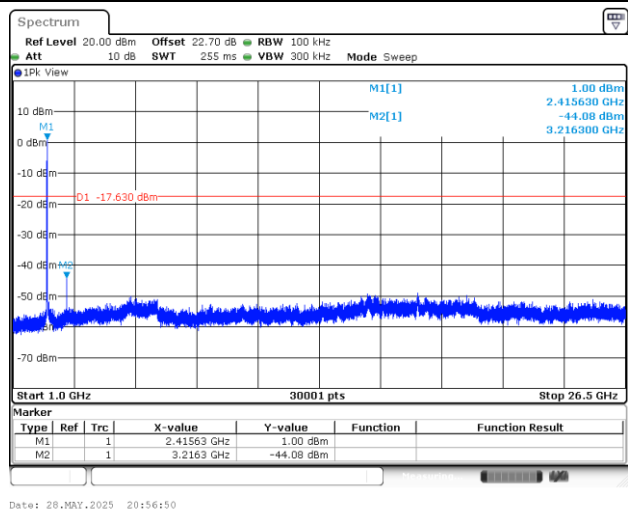
Channel 01 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

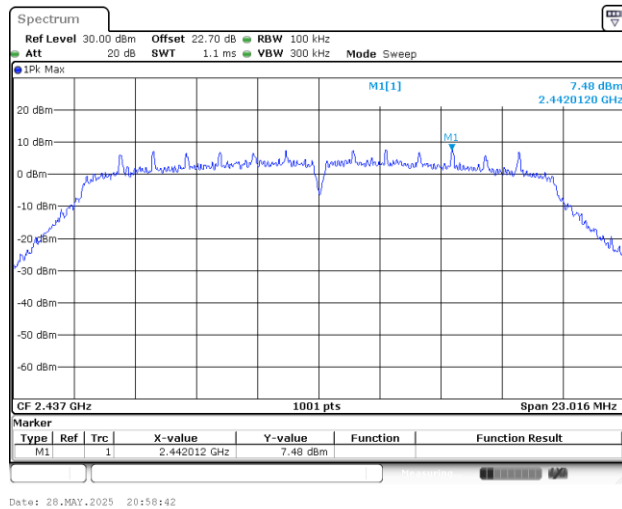




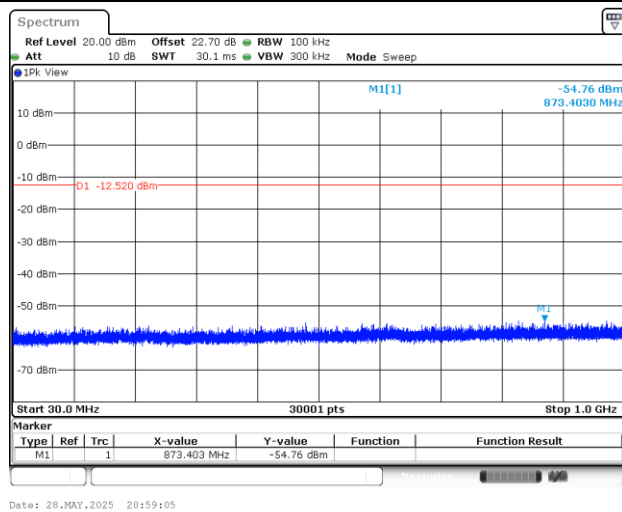
Test Mode : 802.11gN20

Test Channel : 06

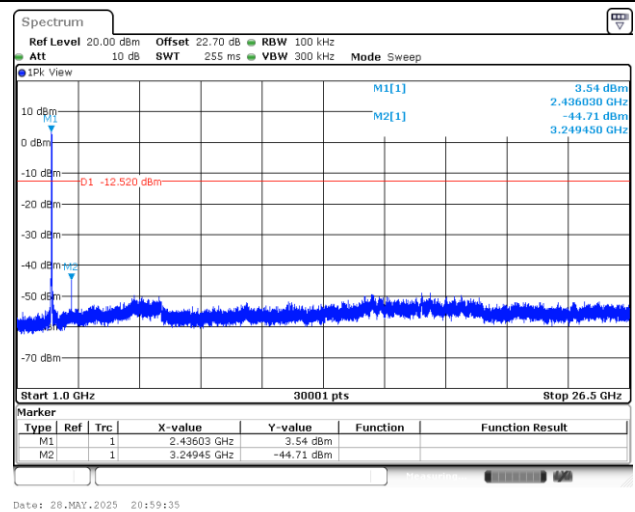
100kHz PSD reference Level



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

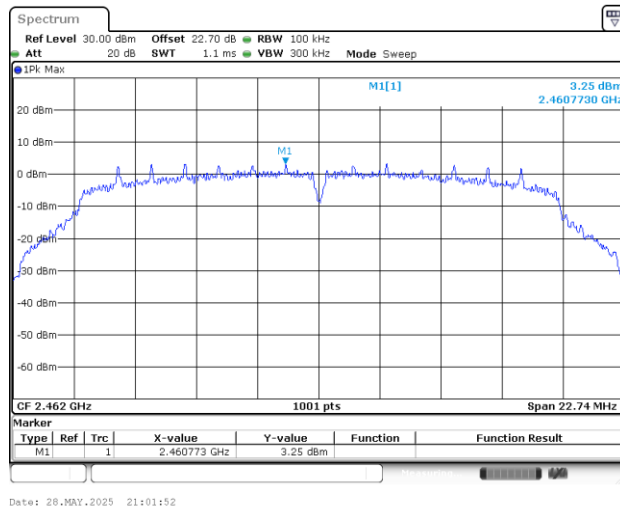




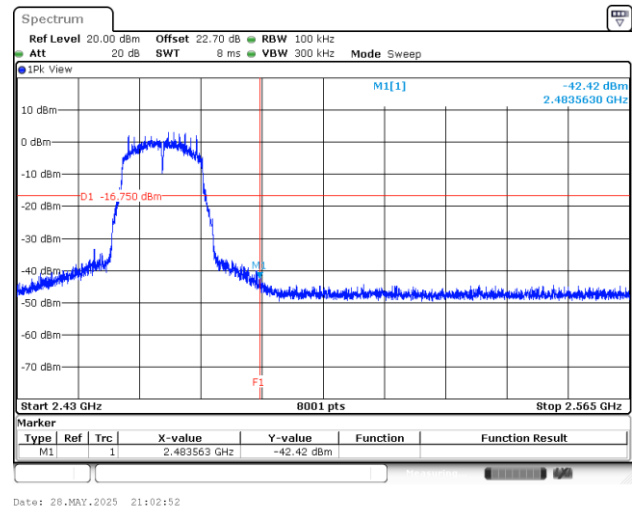
Test Mode : 802.11gN20

Test Channel : 11

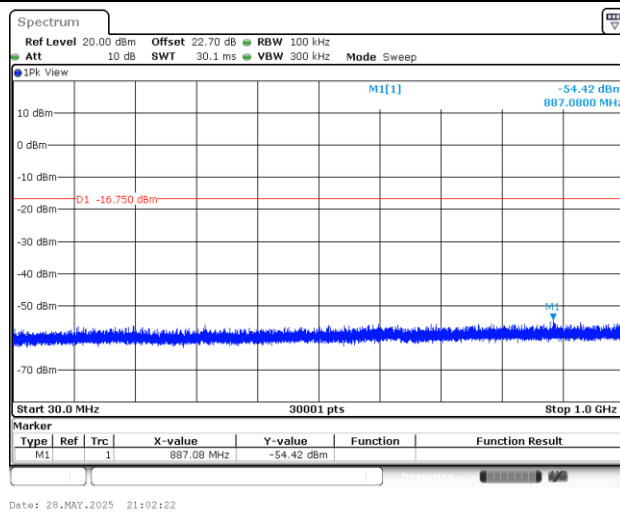
100kHz PSD reference Level



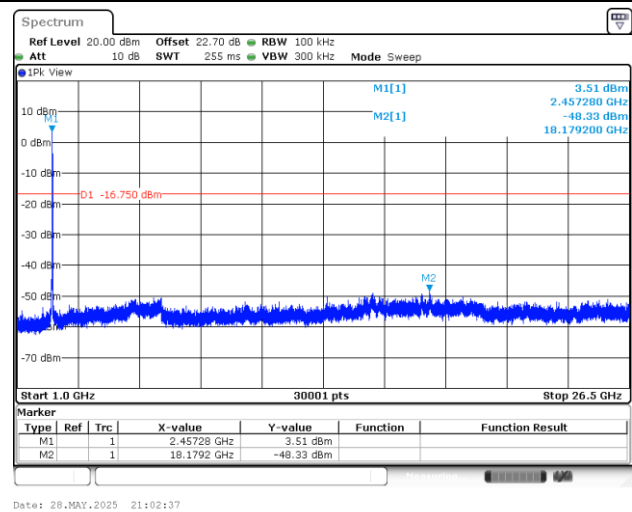
Channel 11 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

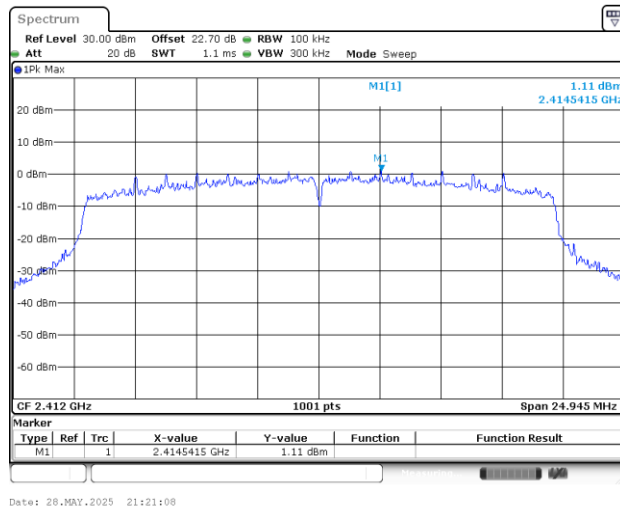




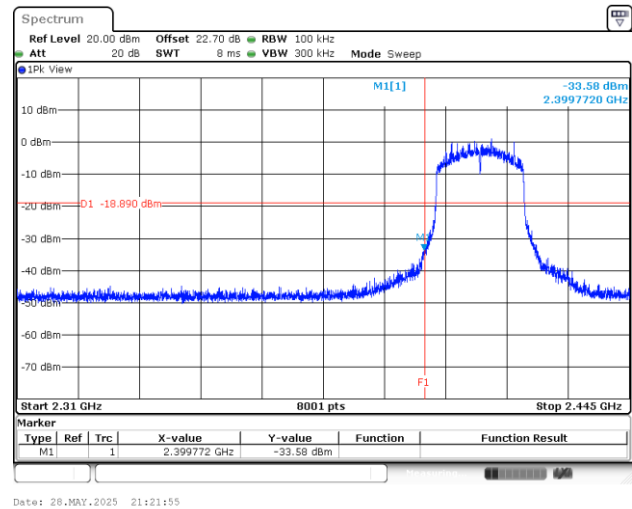
Test Mode : 802.11ax20_FullIRU

Test Channel : 01

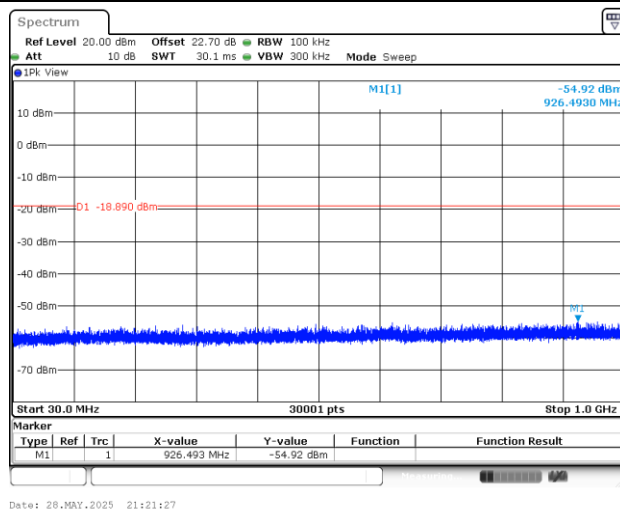
100kHz PSD reference Level



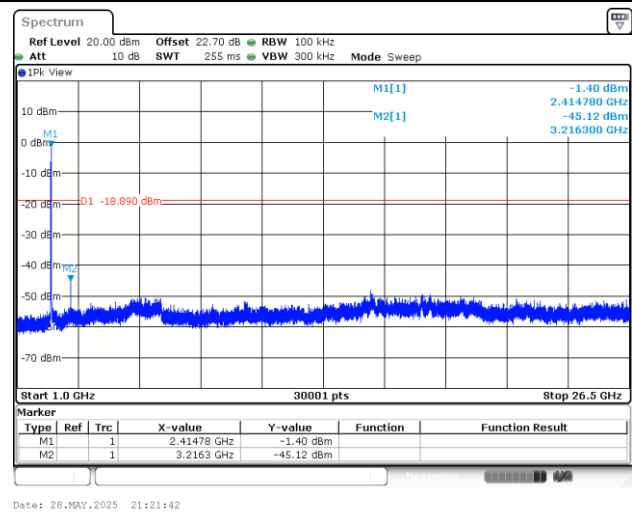
Channel 01 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

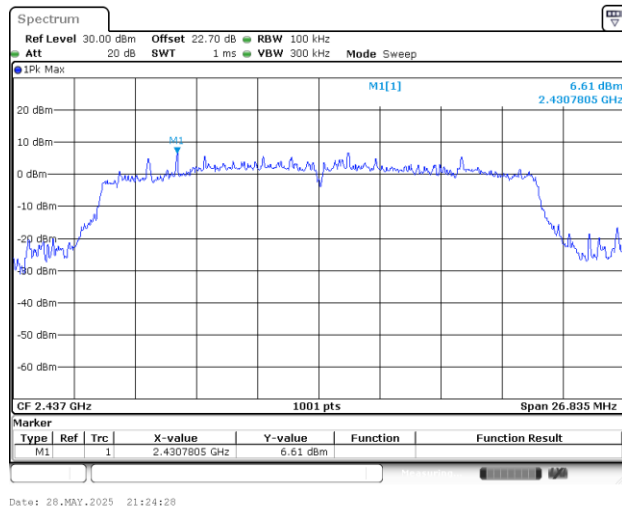




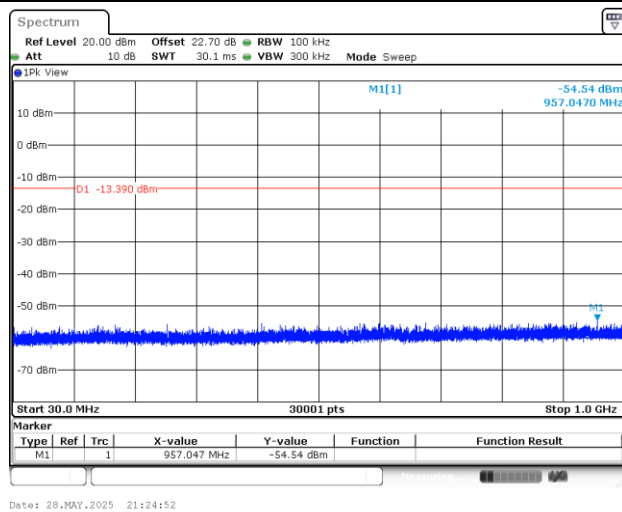
Test Mode : 802.11ax20_FullIRU

Test Channel : 06

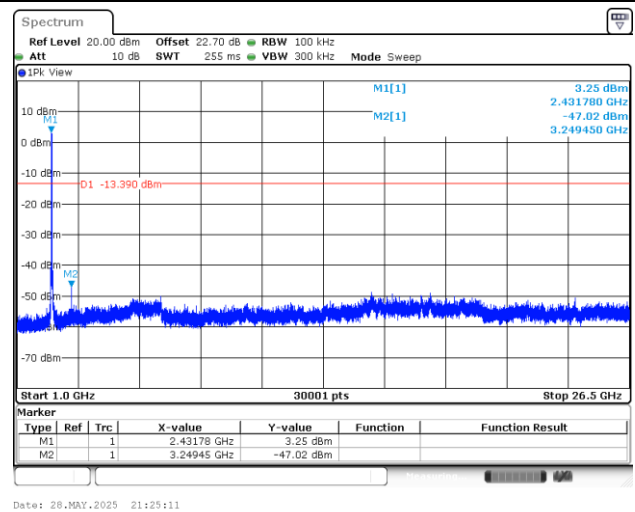
100kHz PSD reference Level



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

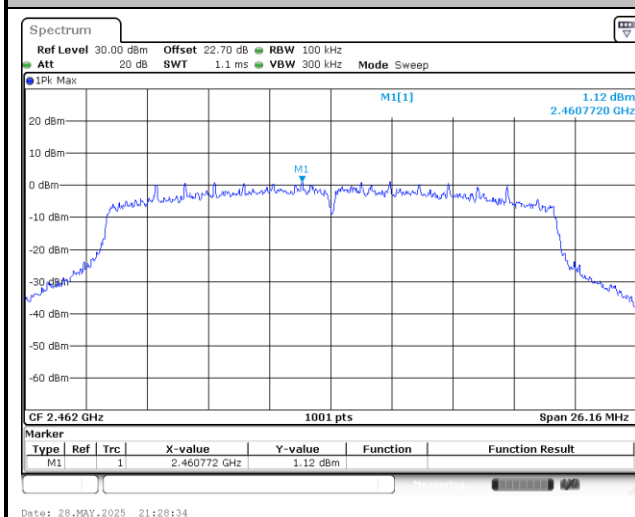




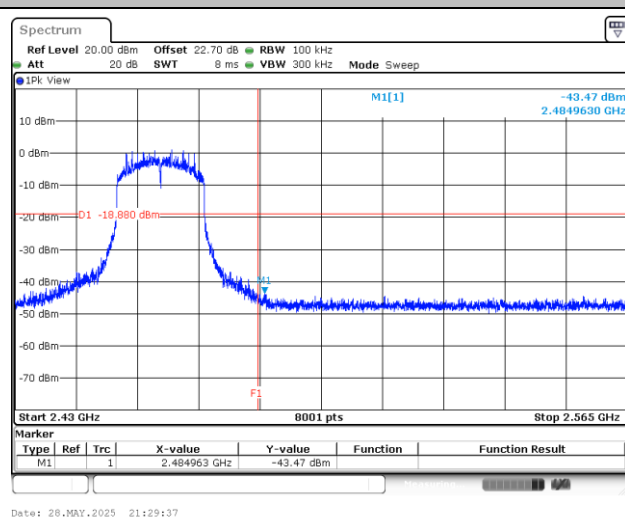
Test Mode : 802.11ax20_FullIRU

Test Channel : 11

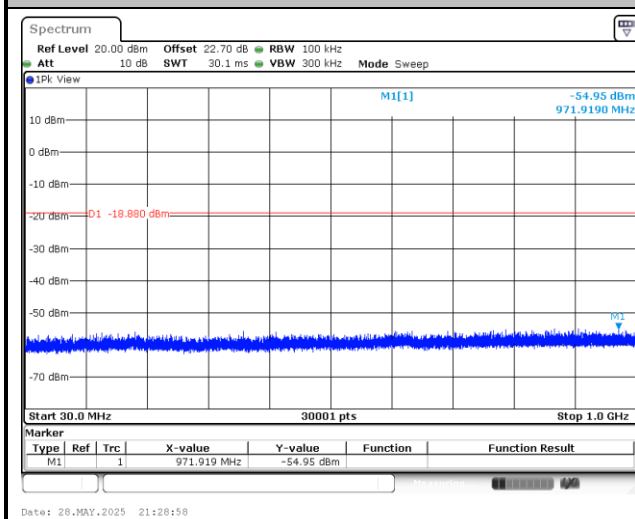
100kHz PSD reference Level



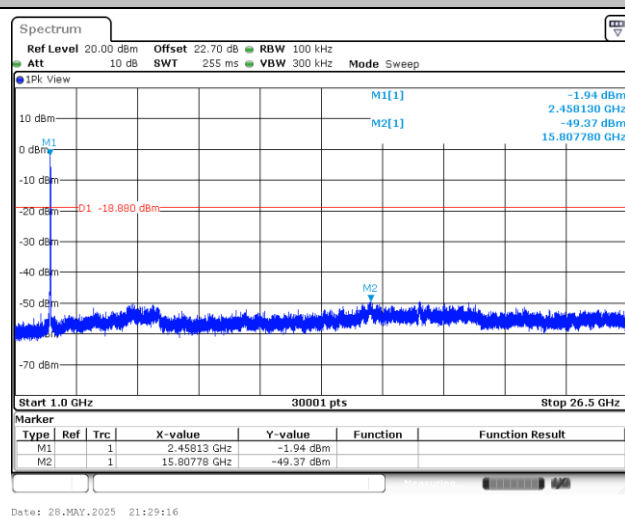
Channel 11 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

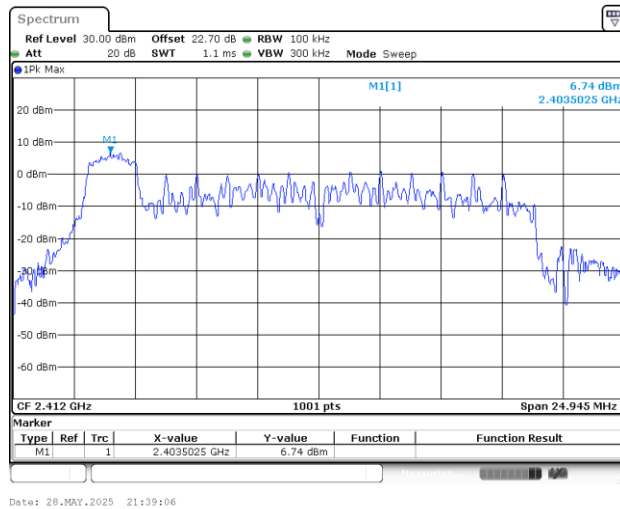




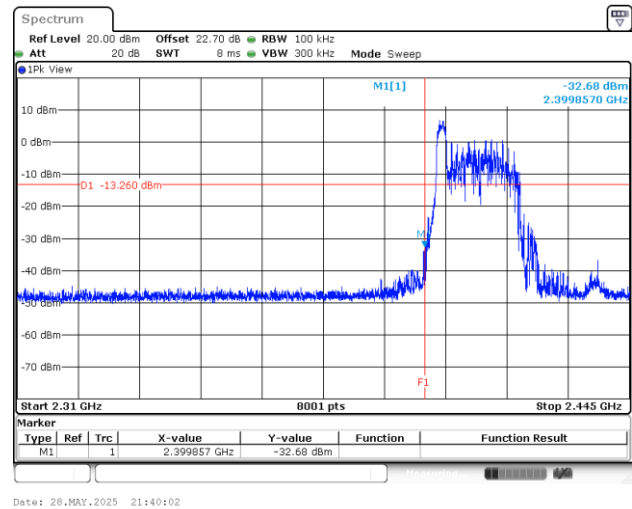
Test Mode : 802.11ax20_26RU

Test Channel : 01

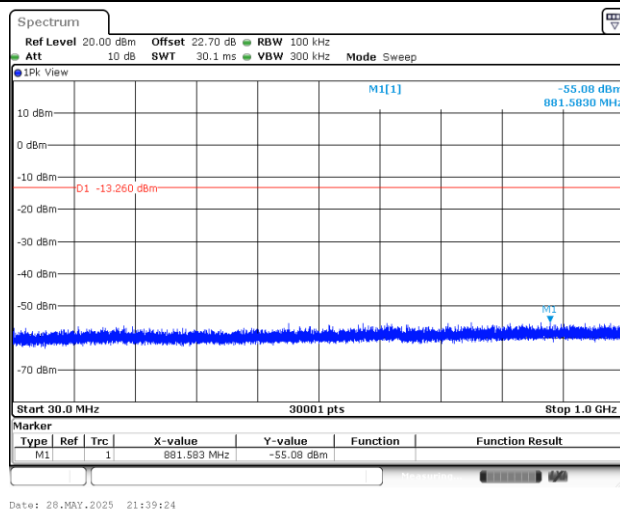
100kHz PSD reference Level



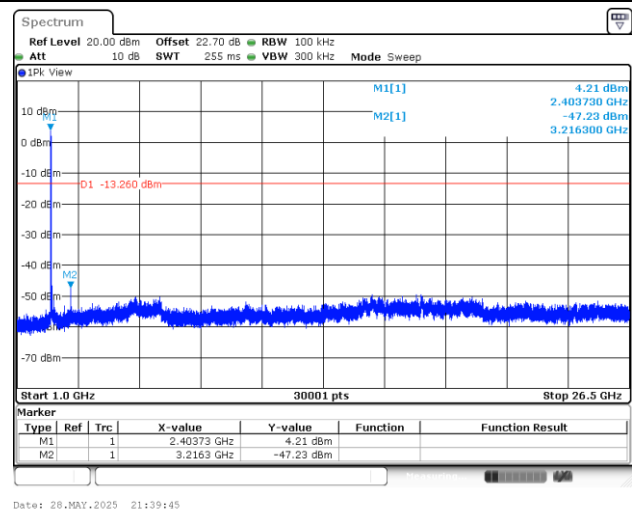
Channel 01 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

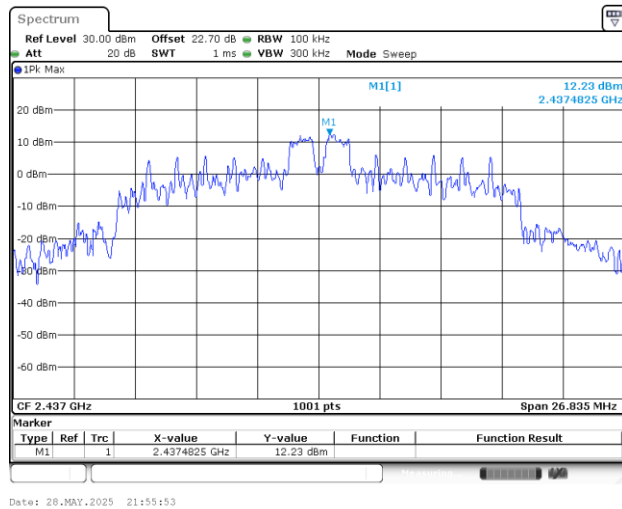




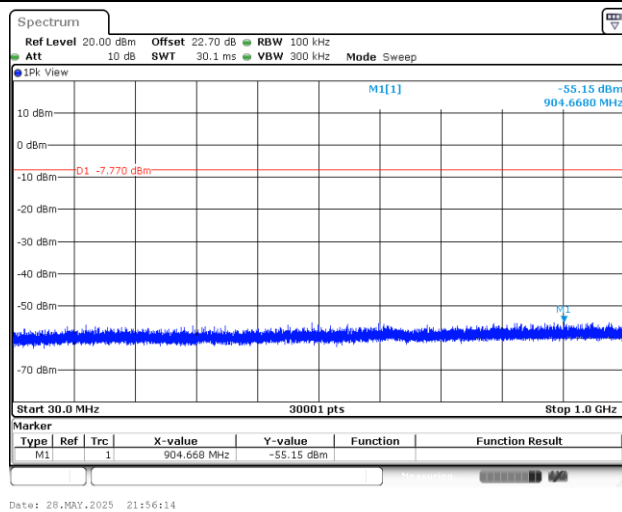
Test Mode : 802.11ax20_26RU

Test Channel : 06

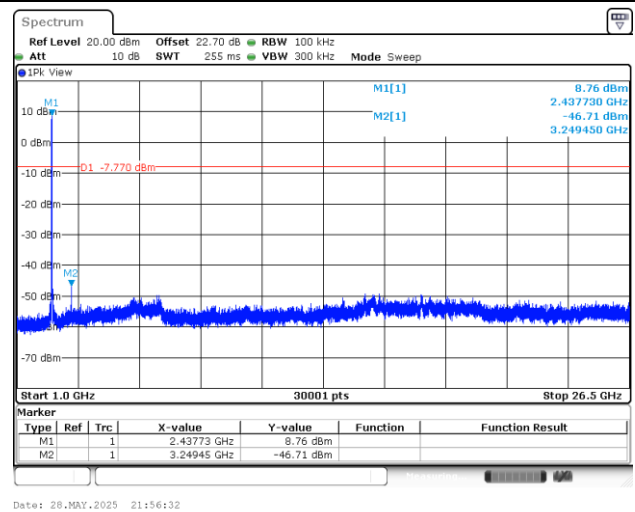
100kHz PSD reference Level



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

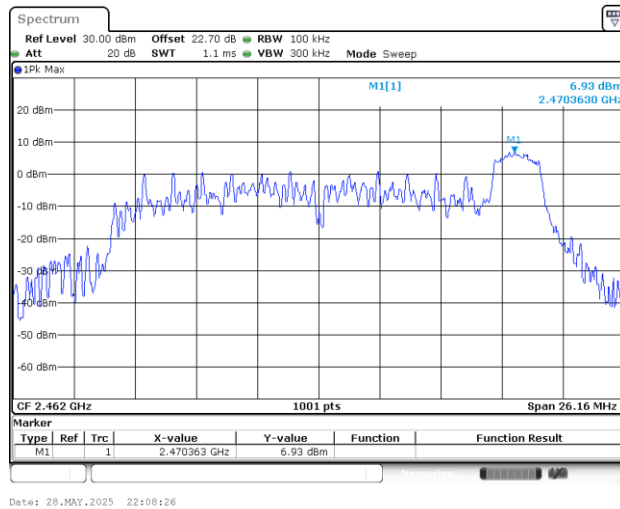




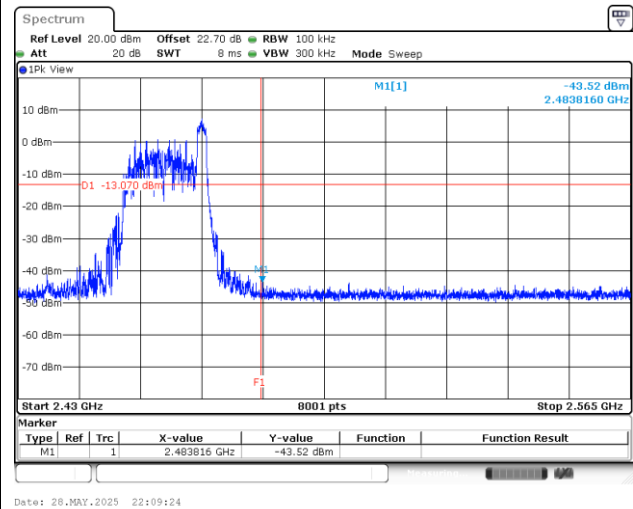
Test Mode : 802.11ax20_26RU

Test Channel : 11

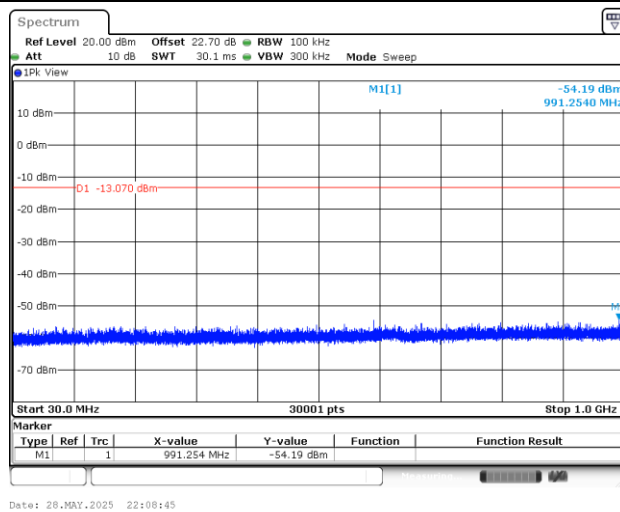
100kHz PSD reference Level



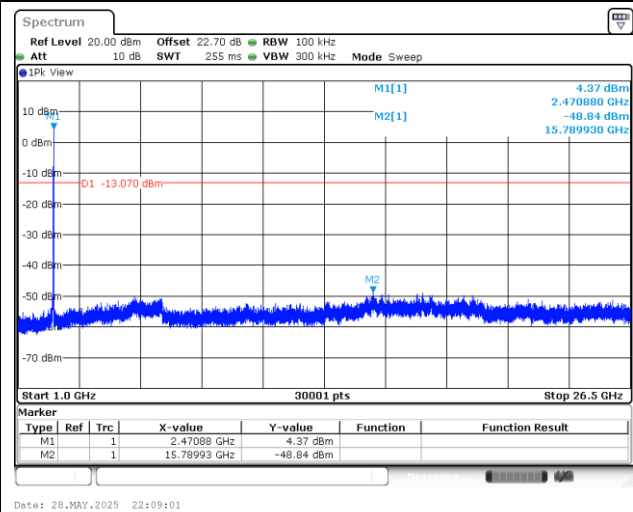
Channel 11 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

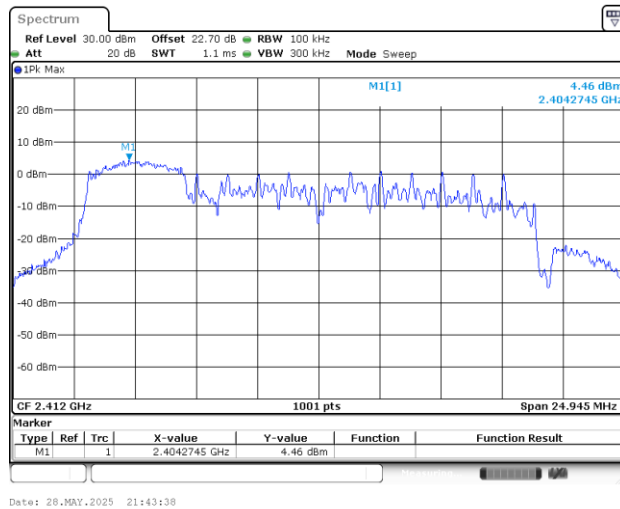




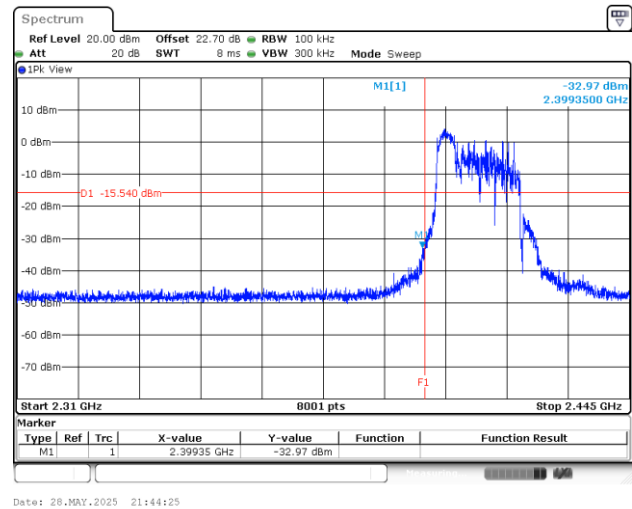
Test Mode : 802.11ax20_52RU

Test Channel : 01

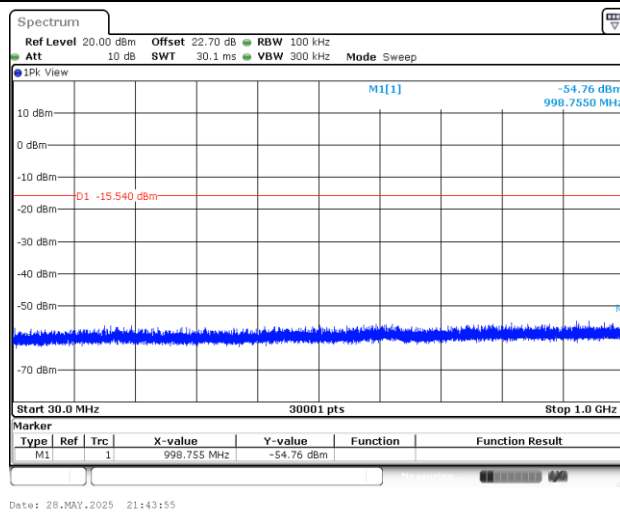
100kHz PSD reference Level



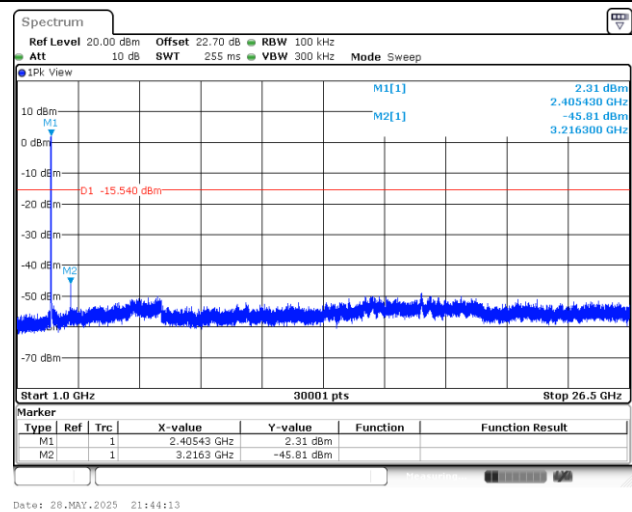
Channel 01 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

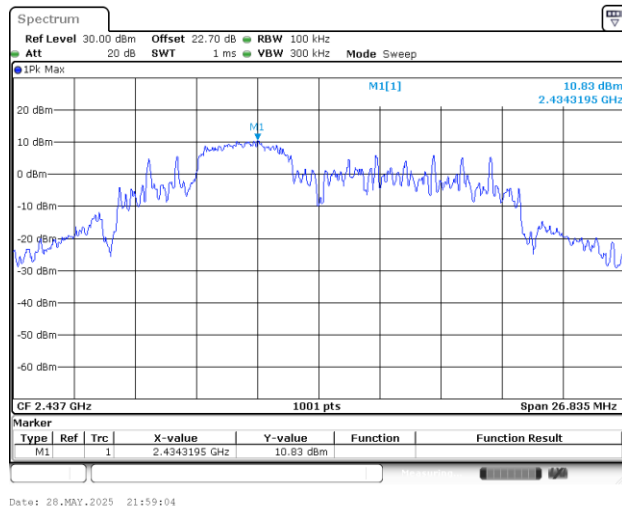




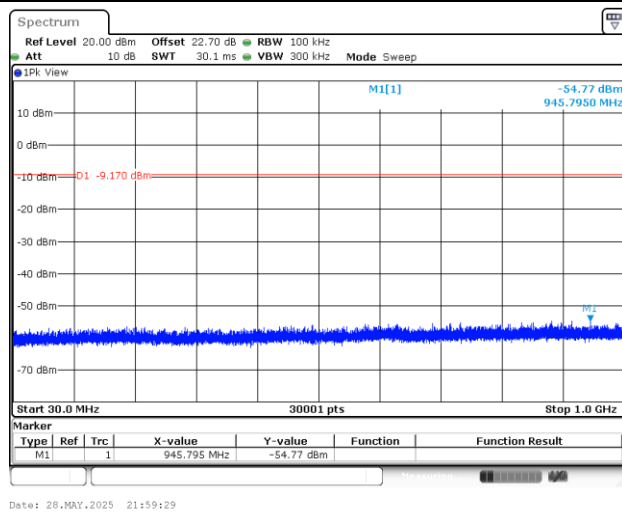
Test Mode : 802.11ax20_52RU

Test Channel : 06

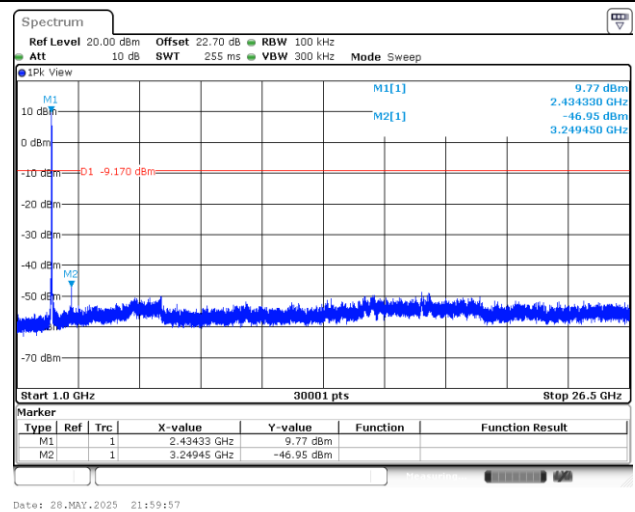
100kHz PSD reference Level



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

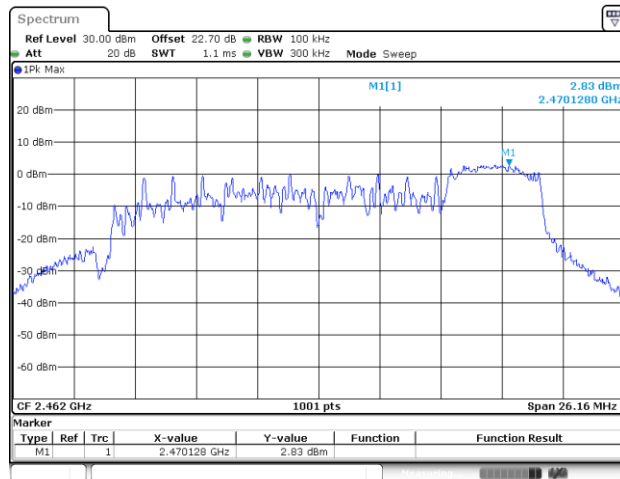




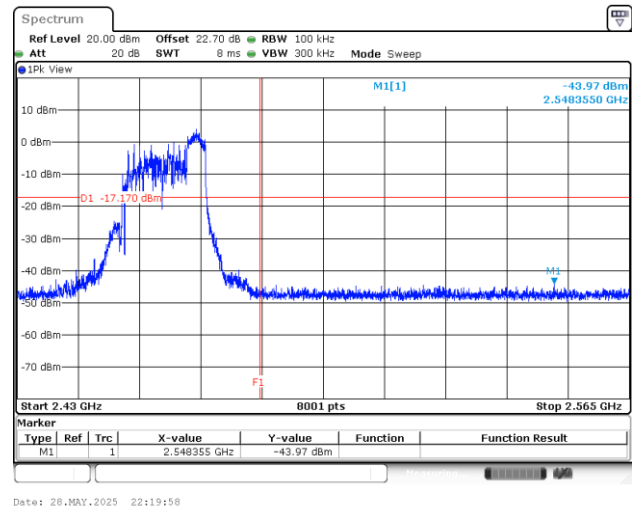
Test Mode : 802.11ax20_52RU

Test Channel : 11

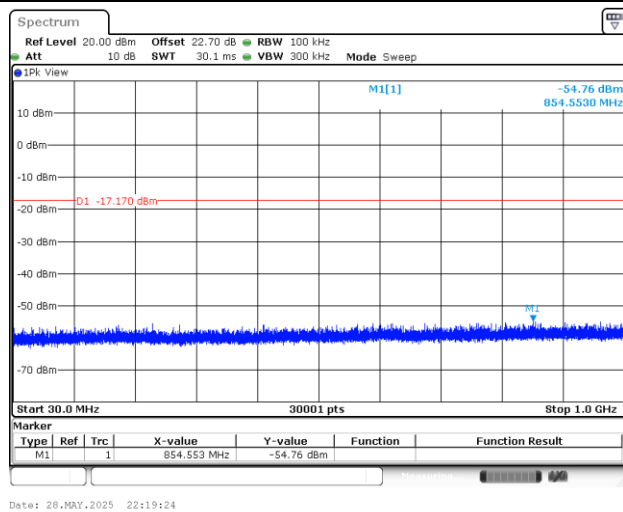
100kHz PSD reference Level



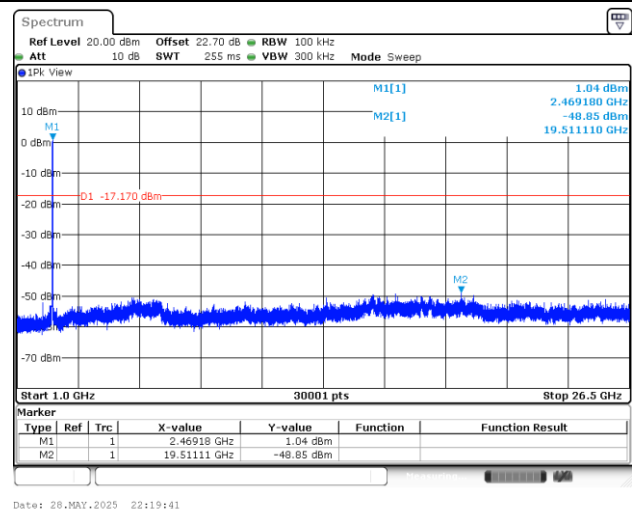
Channel 11 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

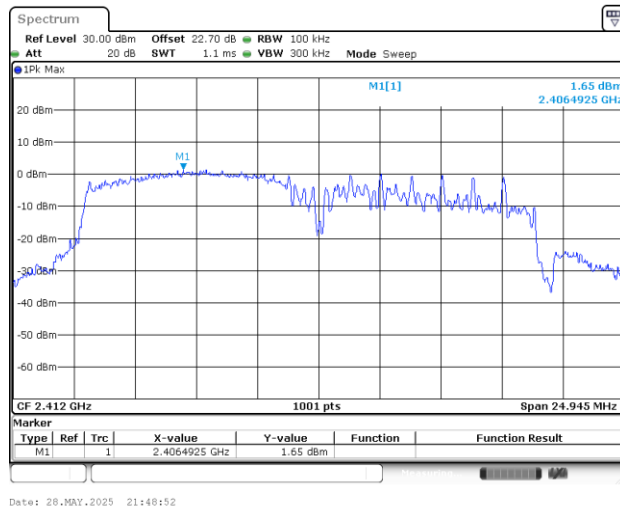




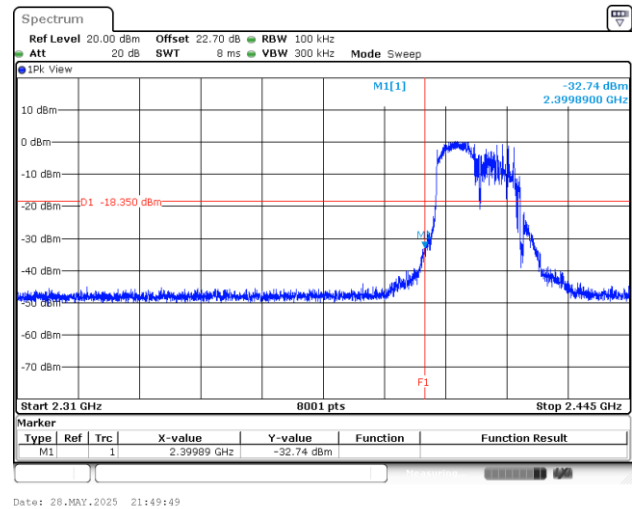
Test Mode : 802.11ax20_106RU

Test Channel : 01

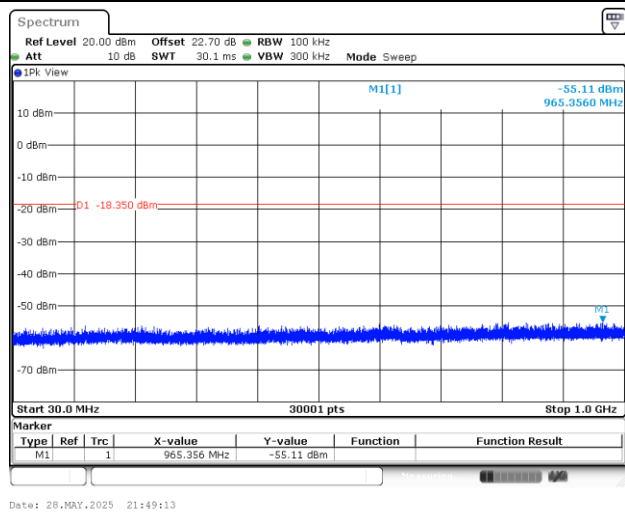
100kHz PSD reference Level



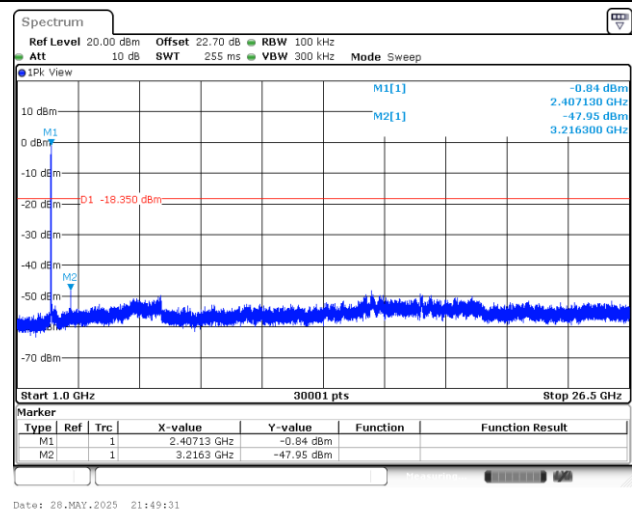
Channel 01 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

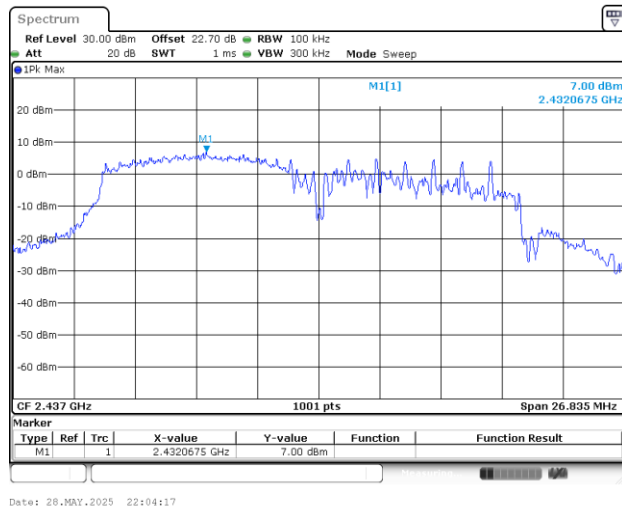




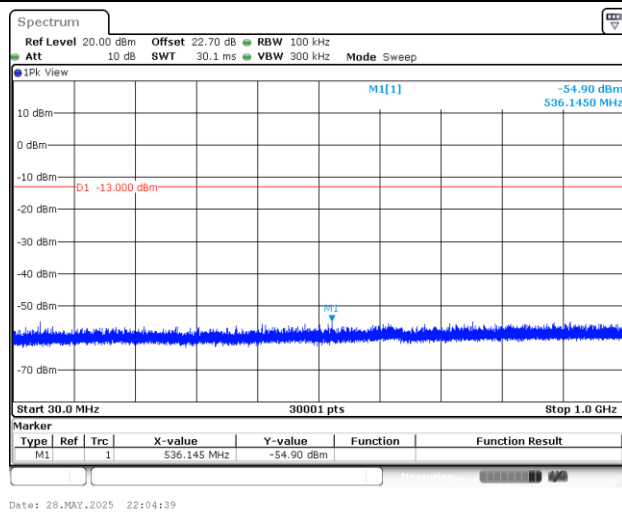
Test Mode : 802.11ax20_106RU

Test Channel : 06

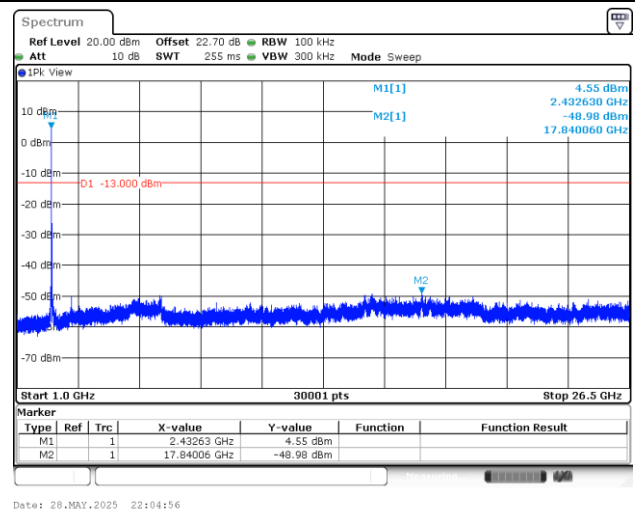
100kHz PSD reference Level



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz

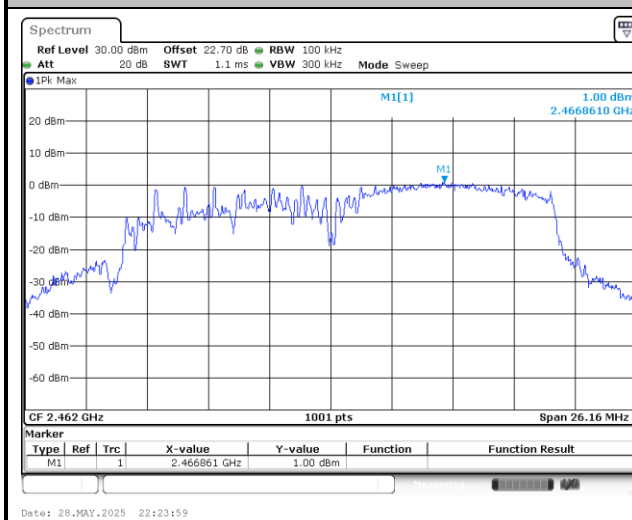




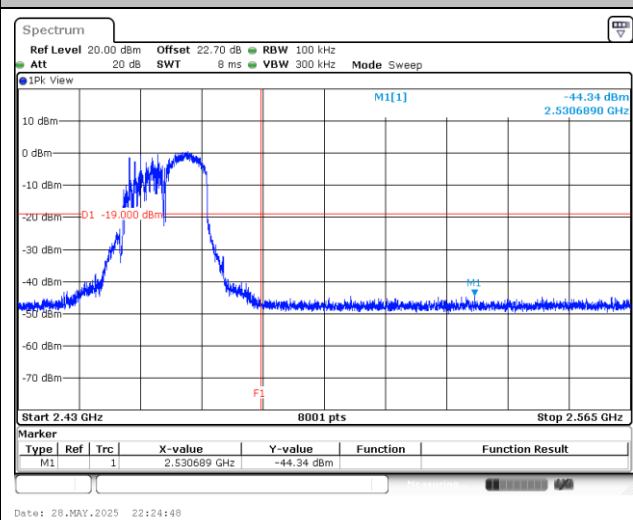
Test Mode : 802.11ax20_106RU

Test Channel : 11

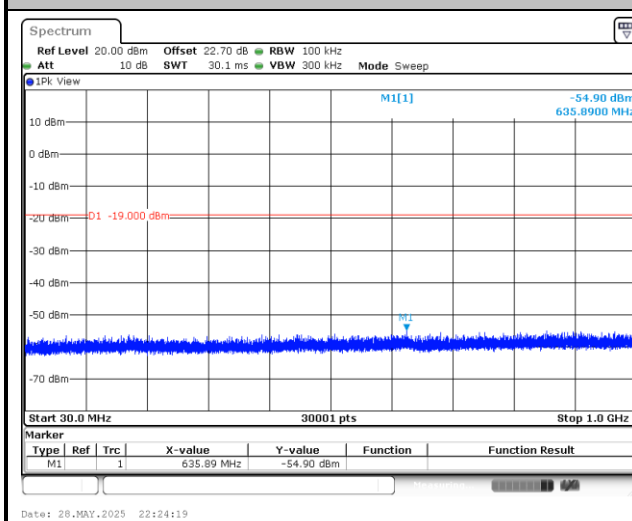
100kHz PSD reference Level



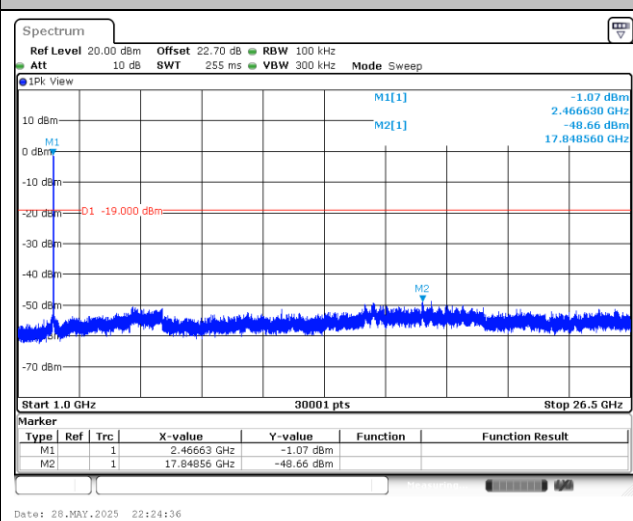
Channel 11 Plot



Spurious Emission 30MHz~1GHz



Spurious Emission 1GHz~26.5GHz





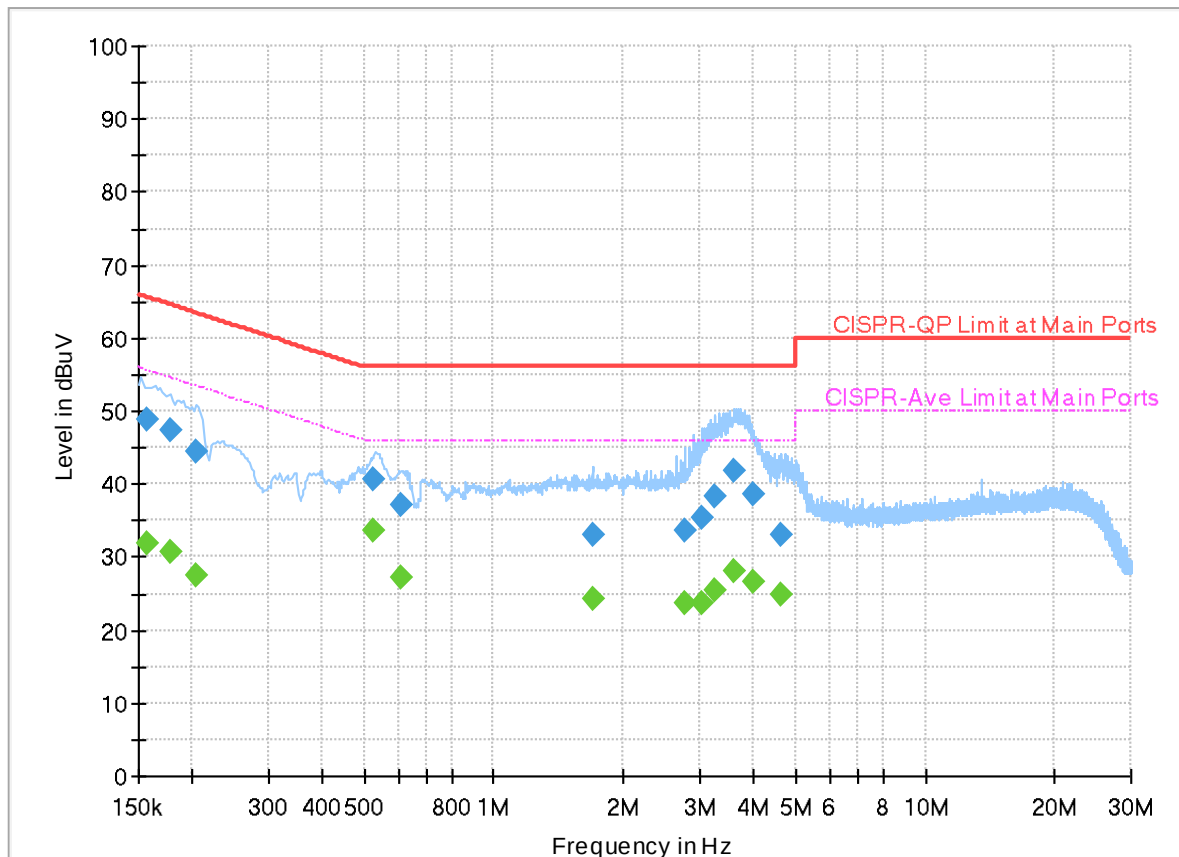
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	Temperature :	23.5~24.7℃
		Relative Humidity :	52.8~59.1%

EUT Information

Report NO : 550509
Test Mode : Mode 1
Test Voltage : Power from system
Phase : Line

Full Spectrum



Final Result

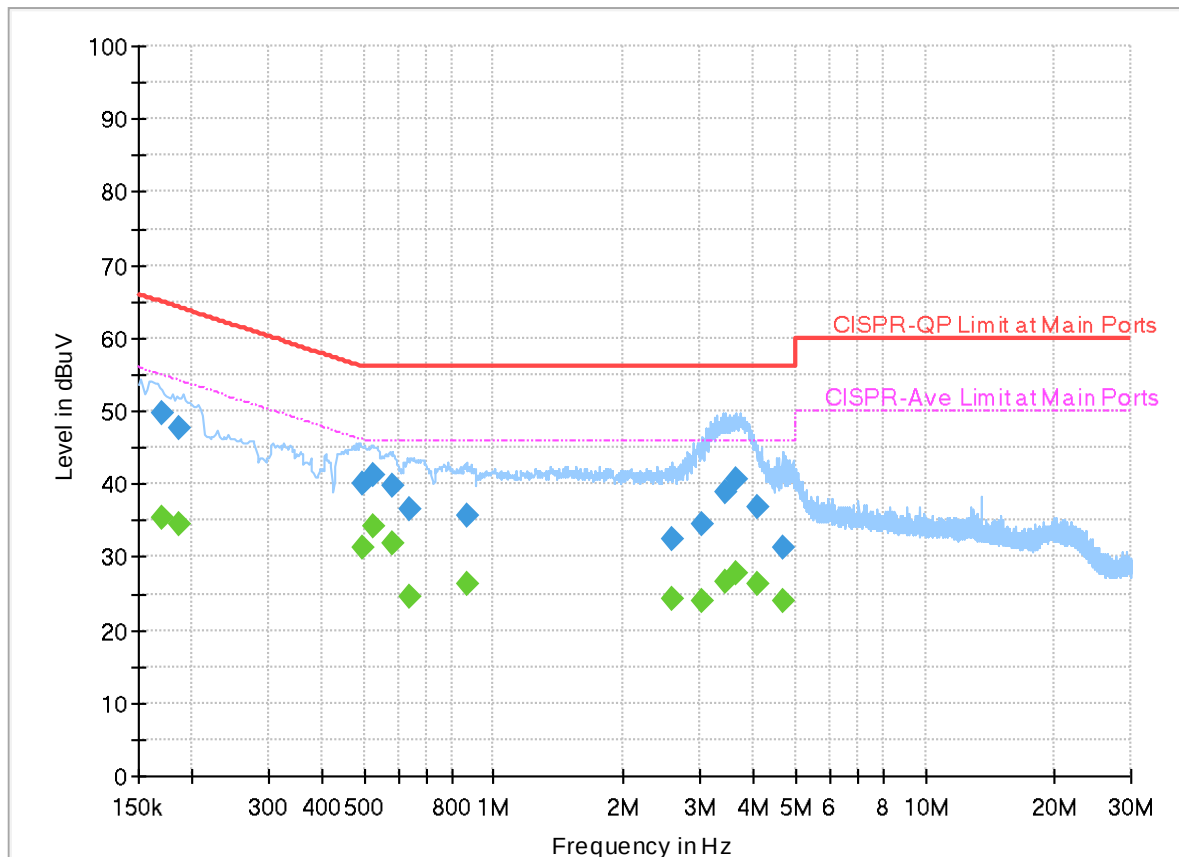
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.156750	---	31.86	55.63	23.77	L1	FLO	20.0
0.156750	48.72	---	65.63	16.91	L1	FLO	20.0
0.177000	---	30.60	54.63	24.03	L1	FLO	20.0
0.177000	47.44	---	64.63	17.19	L1	FLO	20.0
0.204810	---	27.38	53.41	26.03	L1	FLO	20.0
0.204810	44.30	---	63.41	19.11	L1	FLO	20.0
0.528180	---	33.75	46.00	12.25	L1	FLO	20.0
0.528180	40.63	---	56.00	15.37	L1	FLO	20.0
0.612420	---	27.06	46.00	18.94	L1	FLO	20.0
0.612420	37.21	---	56.00	18.79	L1	FLO	20.0
1.698000	---	24.24	46.00	21.76	L1	FLO	20.0
1.698000	32.93	---	56.00	23.07	L1	FLO	20.0
2.775300	---	23.83	46.00	22.17	L1	FLO	20.1
2.775300	33.61	---	56.00	22.39	L1	FLO	20.1
3.049890	---	23.57	46.00	22.43	L1	FLO	20.1
3.049890	35.25	---	56.00	20.75	L1	FLO	20.1
3.241500	---	25.39	46.00	20.61	L1	FLO	20.1
3.241500	38.27	---	56.00	17.73	L1	FLO	20.1
3.621750	---	28.19	46.00	17.81	L1	FLO	20.1

3.621750	41.78	---	56.00	14.22	L1	FLO	20.1
4.008210	---	26.47	46.00	19.53	L1	FLO	20.1
4.008210	38.47	---	56.00	17.53	L1	FLO	20.1
4.650000	---	24.84	46.00	21.16	L1	FLO	20.2
4.650000	33.04	---	56.00	22.96	L1	FLO	20.2

EUT Information

Report NO : 550509
Test Mode : Mode 1
Test Voltage : Power from system
Phase : Neutral

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.170250	---	35.39	54.95	19.56	N	FLO	20.0
0.170250	49.77	---	64.95	15.18	N	FLO	20.0
0.186000	---	34.57	54.21	19.64	N	FLO	20.0
0.186000	47.63	---	64.21	16.58	N	FLO	20.0
0.494250	---	31.25	46.10	14.85	N	FLO	20.0
0.494250	40.19	---	56.10	15.91	N	FLO	20.0
0.525750	---	34.14	46.00	11.86	N	FLO	20.0
0.525750	41.35	---	56.00	14.65	N	FLO	20.0
0.584250	---	31.77	46.00	14.23	N	FLO	20.0
0.584250	39.68	---	56.00	16.32	N	FLO	20.0
0.638250	---	24.67	46.00	21.33	N	FLO	20.0
0.638250	36.64	---	56.00	19.36	N	FLO	20.0
0.867750	---	26.25	46.00	19.75	N	FLO	20.0
0.867750	35.66	---	56.00	20.34	N	FLO	20.0
2.575050	---	24.23	46.00	21.77	N	FLO	20.1
2.575050	32.55	---	56.00	23.45	N	FLO	20.1
3.021000	---	24.07	46.00	21.93	N	FLO	20.1
3.021000	34.54	---	56.00	21.46	N	FLO	20.1
3.446250	---	26.60	46.00	19.40	N	FLO	20.1

3.446250	39.02	---	56.00	16.98	N	FLO	20.1
3.638580	---	27.80	46.00	18.20	N	FLO	20.1
3.638580	40.53	---	56.00	15.47	N	FLO	20.1
4.096770	---	26.29	46.00	19.71	N	FLO	20.1
4.096770	36.77	---	56.00	19.23	N	FLO	20.1
4.663500	---	24.09	46.00	21.91	N	FLO	20.2
4.663500	31.37	---	56.00	24.63	N	FLO	20.2



Appendix C. Conducted Spurious Emission

Test Engineer :	Kai Liao	Temperature :	22.3~24.9°C
		Relative Humidity :	52.5~72.4%

2.4GHz 2400~2483.5MHz

WIFI 802.11b (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11b CH 01 2412MHz		2387.175	-36.5	-15.3	-21.2	-40.21	3	0.71	0	0	P
		2387.175	-43.23	-2.03	-41.2	-46.94	3	0.71	0	0	A
	*	2412	17.95	-	-	14.23	3	0.72	0	0	P
	*	2412	14.81	-	-	11.09	3	0.72	0	0	A
802.11b CH 06 2437MHz		2388.82	-30.67	-9.47	-21.2	-34.38	3	0.71	0	0	P
		2389.94	-46.92	-5.72	-41.2	-50.63	3	0.71	0	0	A
	*	2437	18.17	-	-	14.45	3	0.72	0	0	P
	*	2437	14.95	-	-	11.23	3	0.72	0	0	A
		2485.58	-28.74	-7.54	-21.2	-32.45	3	0.71	0	0	P
		2484.32	-44.88	-3.68	-41.2	-48.59	3	0.71	0	0	A
802.11b CH 11 2462MHz	*	2462	18.21	-	-	14.5	3	0.71	0	0	P
	*	2462	15	-	-	11.29	3	0.71	0	0	A
		2483.84	-37.31	-16.11	-21.2	-41.02	3	0.71	0	0	P
		2483.52	-44.47	-3.27	-41.2	-48.18	3	0.71	0	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11b (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11b CH 01 2412MHz	#	3215.9	-29.46	-	-	-34.78	3	2.32	0	0	P
		4018.7	-56.11	-34.91	-21.2	-61.24	3	2.13	0	0	P
		4824	-45.88	-24.68	-21.2	-50.47	3	1.59	0	0	P
		5627.9	-64.3	-43.1	-21.2	-69.1	3	1.8	0	0	P
		6431.8	-63.3	-42.1	-21.2	-68.09	3	1.79	0	0	P
		7236	-60.46	-39.26	-21.2	-65.45	3	1.99	0	0	P
802.11b CH 06 2437MHz	#	3249.3	-42.53	-	-	-47.81	3	2.28	0	0	P
		4061.4	-67.58	-46.38	-21.2	-72.67	3	2.09	0	0	P
		4874	-59.72	-38.52	-21.2	-64.33	3	1.61	0	0	P
		6498.5	-61.51	-40.31	-21.2	-66.36	3	1.85	0	0	P
		7311	-61.82	-40.62	-21.2	-66.77	3	1.95	0	0	P
802.11b CH 11 2462MHz	#	3282.6	-41.79	-	-	-47.05	3	2.26	0	0	P
		4104.1	-62.52	-41.32	-21.2	-67.58	3	2.06	0	0	P
		4924	-47.22	-26.02	-21.2	-51.85	3	1.63	0	0	P
		6565.2	-56.47	-35.27	-21.2	-61.37	3	1.9	0	0	P
		7386	-62.09	-40.89	-21.2	-67.01	3	1.92	0	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11g CH 01 2412MHz		2389.43	-32.54	-11.34	-21.2	-36.25	3	0.71	0	0	P
		2389.95	-42.28	-1.08	-41.2	-45.99	3	0.71	0	0	A
	*	2412	15.68	-	-	11.96	3	0.72	0	0	P
	*	2412	7.79	-	-	4.07	3	0.72	0	0	A
802.11g CH 06 2437MHz		2385.819	-35.82	-14.62	-21.2	-39.53	3	0.71	0	0	P
		2389.8	-47.8	-6.6	-41.2	-51.51	3	0.71	0	0	A
	*	2437	18	-	-	14.28	3	0.72	0	0	P
	*	2437	10.57	-	-	6.85	3	0.72	0	0	A
		2486.014	-37.39	-16.19	-21.2	-41.1	3	0.71	0	0	P
		2484.25	-47.62	-6.42	-41.2	-51.33	3	0.71	0	0	A
802.11g CH 11 2462MHz	*	2462	17.04	-	-	13.33	3	0.71	0	0	P
	*	2462	9.21	-	-	5.5	3	0.71	0	0	A
		2483.64	-29.6	-8.4	-21.2	-33.31	3	0.71	0	0	P
		2483.52	-42.37	-1.17	-41.2	-46.08	3	0.71	0	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11g (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11g CH 01 2412MHz	#	3215.9	-33.84	-	-	-39.16	3	2.32	0	0	P
		4018.7	-58.67	-37.47	-21.2	-63.8	3	2.13	0	0	P
		4824	-53.79	-32.59	-21.2	-58.38	3	1.59	0	0	P
		6431.8	-62.33	-41.13	-21.2	-67.12	3	1.79	0	0	P
		7236	-69.12	-47.92	-21.2	-74.11	3	1.99	0	0	P
802.11g CH 06 2437MHz	#	3249.3	-39.95	-	-	-45.23	3	2.28	0	0	P
		4061.4	-67.19	-45.99	-21.2	-72.28	3	2.09	0	0	P
		4874	-52.97	-31.77	-21.2	-57.58	3	1.61	0	0	P
		6498.5	-61.35	-40.15	-21.2	-66.2	3	1.85	0	0	P
		7311	-61.64	-40.44	-21.2	-66.59	3	1.95	0	0	P
802.11g CH 11 2462MHz	#	3282.6	-44.72	-	-	-49.98	3	2.26	0	0	P
		4104.1	-62.83	-41.63	-21.2	-67.89	3	2.06	0	0	P
		4924	-51.56	-30.36	-21.2	-56.19	3	1.63	0	0	P
		6565.2	-56.18	-34.98	-21.2	-61.08	3	1.9	0	0	P
		7386	-67.68	-46.48	-21.2	-72.6	3	1.92	0	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 01 2412MHz		2385.79	-30.25	-9.05	-21.2	-33.96	3	0.71	0	0	P
		2389.69	-42.12	-0.92	-41.2	-45.83	3	0.71	0	0	A
	*	2412	15.09	-	-	11.37	3	0.72	0	0	P
	*	2412	7.29	-	-	3.57	3	0.72	0	0	A
802.11n HT20 CH 06 2437MHz		2388.994	-31.55	-10.35	-21.2	-35.26	3	0.71	0	0	P
		2389.94	-45.8	-4.6	-41.2	-49.51	3	0.71	0	0	A
	*	2437	18.38	-	-	14.66	3	0.72	0	0	P
	*	2437	10.55	-	-	6.83	3	0.72	0	0	A
		2487.148	-36.41	-15.21	-21.2	-40.12	3	0.71	0	0	P
		2484.439	-46.81	-5.61	-41.2	-50.52	3	0.71	0	0	A
802.11n HT20 CH 11 2462MHz	*	2462	16.8	-	-	13.09	3	0.71	0	0	P
	*	2462	8.13	-	-	4.42	3	0.71	0	0	A
		2484.36	-29.18	-7.98	-21.2	-32.89	3	0.71	0	0	P
		2483.84	-41.8	-0.6	-41.2	-45.51	3	0.71	0	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11n HT20 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 01 2412MHz	#	3215.9	-34.56	-	-	-39.88	3	2.32	0	0	P
		4018.7	-58.27	-37.07	-21.2	-63.4	3	2.13	0	0	P
		4824	-54.59	-33.39	-21.2	-59.18	3	1.59	0	0	P
		6431.8	-62.77	-41.57	-21.2	-67.56	3	1.79	0	0	P
		7236	-70.15	-48.95	-21.2	-75.14	3	1.99	0	0	P
802.11n HT20 CH 06 2437MHz	#	3249.3	-39.84	-	-	-45.12	3	2.28	0	0	P
		4055.3	-67.65	-46.45	-21.2	-72.76	3	2.11	0	0	P
		4874	-57.65	-36.45	-21.2	-62.26	3	1.61	0	0	P
		6498.5	-62.06	-40.86	-21.2	-66.91	3	1.85	0	0	P
		7311	-62.94	-41.74	-21.2	-67.89	3	1.95	0	0	P
802.11n HT20 CH 11 2462MHz	#	3282.6	-46.18	-	-	-51.44	3	2.26	0	0	P
		4098	-64.5	-43.3	-21.2	-69.57	3	2.07	0	0	P
		4924	-52.17	-30.97	-21.2	-56.8	3	1.63	0	0	P
		6565.2	-56.57	-35.37	-21.2	-61.47	3	1.9	0	0	P
		7386	-68.43	-47.23	-21.2	-73.35	3	1.92	0	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 01 2412MHz		2388.52	-27.62	-6.42	-21.2	-31.33	3	0.71	0	0	P
		2389.95	-41.54	-0.34	-41.2	-45.25	3	0.71	0	0	A
	*	2412	14.28	-	-	10.56	3	0.72	0	0	P
	*	2412	5.91	-	-	2.19	3	0.72	0	0	A
802.11ax HE20 Full CH 06 2437MHz		2389.502	-27.32	-6.12	-21.2	-31.03	3	0.71	0	0	P
		2389.94	-44.27	-3.07	-41.2	-47.98	3	0.71	0	0	A
	*	2437	18.59	-	-	14.87	3	0.72	0	0	P
	*	2437	10.41	-	-	6.69	3	0.72	0	0	A
		2484.061	-29.71	-8.51	-21.2	-33.42	3	0.71	0	0	P
		2483.809	-46.32	-5.12	-41.2	-50.03	3	0.71	0	0	A
802.11ax HE20 Full CH 11 2462MHz	*	2462	14.8	-	-	11.09	3	0.71	0	0	P
	*	2462	6.07	-	-	2.36	3	0.71	0	0	A
		2483.736	-27.71	-6.51	-21.2	-31.42	3	0.71	0	0	P
		2483.508	-42.03	-0.83	-41.2	-45.74	3	0.71	0	0	A
Remark	1. No other spurious found.										
	2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Full (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 01 2412MHz	#	3215.9	-35	-	-	-40.32	3	2.32	0	0	P
		4018.7	-58.84	-37.64	-21.2	-63.97	3	2.13	0	0	P
		4824	-55.82	-34.62	-21.2	-60.41	3	1.59	0	0	P
		6431.8	-63.04	-41.84	-21.2	-67.83	3	1.79	0	0	P
		7236	-68.97	-47.77	-21.2	-73.96	3	1.99	0	0	P
802.11ax HE20 Full CH 06 2437MHz	#	3249.3	-41.01	-	-	-46.29	3	2.28	0	0	P
		4055.3	-66.99	-45.79	-21.2	-72.1	3	2.11	0	0	P
		4874	-58.93	-37.73	-21.2	-63.54	3	1.61	0	0	P
		6498.5	-60.42	-39.22	-21.2	-65.27	3	1.85	0	0	P
		7311	-62.55	-41.35	-21.2	-67.5	3	1.95	0	0	P
802.11ax HE20 Full CH 11 2462MHz	#	3282.6	-48.21	-	-	-53.47	3	2.26	0	0	P
		4104.1	-65.89	-44.69	-21.2	-70.95	3	2.06	0	0	P
		4924	-55.1	-33.9	-21.2	-59.73	3	1.63	0	0	P
		6565.2	-57.03	-35.83	-21.2	-61.93	3	1.9	0	0	P
		7386	-70.24	-49.04	-21.2	-75.16	3	1.92	0	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 01 2412MHz		2368.905	-30.63	-9.43	-21.2	-34.33	3	0.7	0	0	P
		2390	-47.14	-5.94	-41.2	-50.86	3	0.72	0	0	A
	*	2412	21.94	-	-	18.22	3	0.72	0	0	P
	*	2412	13.29	-	-	9.57	3	0.72	0	0	A
802.11ax HE20 Partial 26/4 CH 06 2437MHz		2382.8	-38.15	-16.95	-21.2	-41.86	3	0.71	0	0	P
		2389.66	-49.54	-8.34	-41.2	-53.25	3	0.71	0	0	A
	*	2437	22.61	-	-	18.89	3	0.72	0	0	P
	*	2437	16.18	-	-	12.46	3	0.72	0	0	A
		2486.28	-34.99	-13.79	-21.2	-38.7	3	0.71	0	0	P
		2485.44	-47.74	-6.54	-41.2	-51.45	3	0.71	0	0	A
802.11ax HE20 Partial 26/8 CH 11 2462MHz	*	2462	21.26	-	-	17.55	3	0.71	0	0	P
	*	2462	13.05	-	-	9.34	3	0.71	0	0	A
		2495.88	-27.61	-6.41	-21.2	-31.32	3	0.71	0	0	P
		2484.04	-48.07	-6.87	-41.2	-51.78	3	0.71	0	0	A
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 01 2412MHz	#	3215.9	-35.84	-	-	-41.16	3	2.32	0	0	P
		4030.9	-53.91	-32.71	-21.2	-59.03	3	2.12	0	0	P
		4824	-48.99	-27.79	-21.2	-53.58	3	1.59	0	0	P
		6431.8	-60.89	-39.69	-21.2	-65.68	3	1.79	0	0	P
		7236	-66.97	-45.77	-21.2	-71.96	3	1.99	0	0	P
802.11ax HE20 Partial 26/4 CH 06 2437MHz		1624.5	-42.76	-21.56	-21.2	-46.29	3	0.53	0	0	P
	#	3249.3	-38.65	-	-	-43.93	3	2.28	0	0	P
		4061.4	-63.49	-42.29	-21.2	-68.58	3	2.09	0	0	P
		4874	-47.83	-26.63	-21.2	-52.44	3	1.61	0	0	P
		5686.3	-64.79	-43.59	-21.2	-69.58	3	1.79	0	0	P
		6498.5	-60.92	-39.72	-21.2	-65.77	3	1.85	0	0	P
		7311	-53.8	-32.6	-21.2	-58.75	3	1.95	0	0	P
802.11ax HE20 Partial 26/8 CH 11 2462MHz	#	3282.6	-48.98	-	-	-54.24	3	2.26	0	0	P
		4098	-59.15	-37.95	-21.2	-64.22	3	2.07	0	0	P
		4924	-47.38	-26.18	-21.2	-52.01	3	1.63	0	0	P
		5769.4	-67.9	-46.7	-21.2	-72.66	3	1.76	0	0	P
		6565.2	-56.55	-35.35	-21.2	-61.45	3	1.9	0	0	P
		7386	-66.53	-45.33	-21.2	-71.45	3	1.92	0	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/37 CH 01 2412MHz		2385.075	-26.44	-5.24	-21.2	-30.15	3	0.71	0	0	P
		2384.34	-44.99	-3.79	-41.2	-48.7	3	0.71	0	0	A
	*	2412	18.32	-	-	14.6	3	0.72	0	0	P
	*	2412	10.95	-	-	7.23	3	0.72	0	0	A
802.11ax HE20 Partial 52/38 CH 06 2437MHz		2389.94	-35.08	-13.88	-21.2	-38.79	3	0.71	0	0	P
		2389.8	-47.3	-6.1	-41.2	-51.01	3	0.71	0	0	A
	*	2437	22.42	-	-	18.7	3	0.72	0	0	P
	*	2437	15.51	-	-	11.79	3	0.72	0	0	A
		2483.5	-33.45	-12.25	-21.2	-37.16	3	0.71	0	0	P
		2483.97	-45.72	-4.52	-41.2	-49.43	3	0.71	0	0	A
802.11ax HE20 Partial 52/40 CH 11 2462MHz	*	2462	18.19	-	-	14.48	3	0.71	0	0	P
	*	2462	10.15	-	-	6.44	3	0.71	0	0	A
		2488.2	-35.43	-14.23	-21.2	-39.14	3	0.71	0	0	P
		2483.88	-48.22	-7.02	-41.2	-51.93	3	0.71	0	0	A
Remark	1. No other spurious found.										
	2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 52 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/37 CH 01 2412MHz	#	3215.9	-35.31	-	-	-40.63	3	2.32	0	0	P
		4024.8	-53.88	-32.68	-21.2	-59.01	3	2.13	0	0	P
		4824	-52.12	-30.92	-21.2	-56.71	3	1.59	0	0	P
		6431.8	-62.61	-41.41	-21.2	-67.4	3	1.79	0	0	P
		7236	-67.44	-46.24	-21.2	-72.43	3	1.99	0	0	P
802.11ax HE20 Partial 52/38 CH 06 2437MHz		1624.5	-46.25	-25.05	-21.2	-49.78	3	0.53	0	0	P
	#	3249.3	-39.8	-	-	-45.08	3	2.28	0	0	P
		4067.5	-62.6	-41.4	-21.2	-67.69	3	2.09	0	0	P
		4874	-49.34	-28.14	-21.2	-53.95	3	1.61	0	0	P
		5686.3	-69.6	-48.4	-21.2	-74.39	3	1.79	0	0	P
		5769.4	-67.01	-45.81	-21.2	-71.77	3	1.76	0	0	P
		6498.5	-61.76	-40.56	-21.2	-66.61	3	1.85	0	0	P
		7311	-53.59	-32.39	-21.2	-58.54	3	1.95	0	0	P
802.11ax HE20 Partial 52/40 CH 11 2462MHz	#	3282.6	-50.56	-	-	-55.82	3	2.26	0	0	P
		4098	-62.37	-41.17	-21.2	-67.44	3	2.07	0	0	P
		4924	-48.64	-27.44	-21.2	-53.27	3	1.63	0	0	P
		5757.2	-68.16	-46.96	-21.2	-72.92	3	1.76	0	0	P
		6565.2	-56.79	-35.59	-21.2	-61.69	3	1.9	0	0	P
		7386	-70.41	-49.21	-21.2	-75.33	3	1.92	0	0	P
Remark	1. No other spurious found.										
	2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/53 CH 01 2412MHz		2388.225	-32.06	-10.86	-21.2	-35.77	3	0.71	0	0	P
		2388.54	-47.09	-5.89	-41.2	-50.8	3	0.71	0	0	A
	*	2412	15.13	-	-	11.41	3	0.72	0	0	P
	*	2412	7.48	-	-	3.76	3	0.72	0	0	A
802.11ax HE20 Partial 106/53 CH 06 2437MHz		2389.66	-36.91	-15.71	-21.2	-40.62	3	0.71	0	0	P
		2385.6	-48.64	-7.44	-41.2	-52.35	3	0.71	0	0	A
	*	2437	19.3	-	-	15.58	3	0.72	0	0	P
	*	2437	11.78	-	-	8.06	3	0.72	0	0	A
		2483.83	-35.44	-14.24	-21.2	-39.15	3	0.71	0	0	P
		2483.55	-47.23	-6.03	-41.2	-50.94	3	0.71	0	0	A
802.11ax HE20 Partial 106/54 CH 11 2462MHz	*	2462	15.63	-	-	11.92	3	0.71	0	0	P
	*	2462	7.56	-	-	3.85	3	0.71	0	0	A
		2484.08	-26.23	-5.03	-21.2	-29.94	3	0.71	0	0	P
		2484	-41.6	-0.4	-41.2	-45.31	3	0.71	0	0	A
Remark	1. No other spurious found.										
	2. All results are PASS against Peak and Average limit line.										



2.4GHz 2400~2483.5MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/53 CH 01 2412MHz	#	3215.9	-37.54	-	-	-42.86	3	2.32	0	0	P
		4024.8	-57.38	-36.18	-21.2	-62.51	3	2.13	0	0	P
		4824	-54.24	-33.04	-21.2	-58.83	3	1.59	0	0	P
		6431.8	-62.98	-41.78	-21.2	-67.77	3	1.79	0	0	P
		7236	-70.58	-49.38	-21.2	-75.57	3	1.99	0	0	P
802.11ax HE20 Partial 106/53 CH 06 2437MHz		1624.5	-51.65	-30.45	-21.2	-55.18	3	0.53	0	0	P
	#	3249.3	-41.8	-	-	-47.08	3	2.28	0	0	P
		4067.5	-65.34	-44.14	-21.2	-70.43	3	2.09	0	0	P
		4874	-51.9	-30.7	-21.2	-56.51	3	1.61	0	0	P
		6501.4	-61.47	-40.27	-21.2	-66.33	3	1.86	0	0	P
		7311	-57.61	-36.41	-21.2	-62.56	3	1.95	0	0	P
802.11ax HE20 Partial 106/54 CH 11 2462MHz	#	3282.6	-48.96	-	-	-54.22	3	2.26	0	0	P
		4098	-64.42	-43.22	-21.2	-69.49	3	2.07	0	0	P
		4924	-51.9	-30.7	-21.2	-56.53	3	1.63	0	0	P
		5769.4	-70.36	-49.16	-21.2	-75.12	3	1.76	0	0	P
		6565.2	-56.84	-35.64	-21.2	-61.74	3	1.9	0	0	P
		7386	-69.14	-47.94	-21.2	-74.06	3	1.92	0	0	P
Remark	1. No other spurious found.										
	2. All results are PASS against Peak and Average limit line.										

**Emission above 18GHz****WIFI 802.11ax HE20 Full (SHF)**

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 SHF		23796	-68.33	-47.13	-21.2	-73.5	3	2.17	0	0	P
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.										



Emission below 1GHz
WIFI 802.11ax HE20 Full (LF)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 LF		41.64	-88.29	-33.09	-55.2	-96.11	3	0.12	0	4.7	P
		66.86	-88.37	-33.17	-55.2	-96.2	3	0.13	0	4.7	P
		143.49	-88.26	-36.56	-51.7	-96.18	3	0.22	0	4.7	P
		739.07	-56.09	-6.89	-49.2	-64.27	3	0.48	0	4.7	P
		806.97	-73.19	-23.99	-49.2	-81.43	3	0.54	0	4.7	P
		899.12	-72.85	-23.65	-49.2	-81.11	3	0.56	0	4.7	P
Remark	1. No other spurious found. 2. All results are PASS against limit line.										

**Note symbol**

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
#	The unwanted signal #1 can be ignored, as it falls within the non-restricted band and meets the requirements of FCC 15.247 (d), RSS-247 section 5.5, LP0002 section 4.1.10.5.
!	Test result is Margin line.
P/A	Peak or Average
H/V	Horizontal or Vertical

A calculation example for conducted spurious emission is shown as below:

	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	MIMO	Groun ding	Peak
					Line	Level	Factor	Loss	Factor	Factor	Avg.
		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(dB)	(P/A)
CH 01		2385.495	-28.14	-6.94	-21.2	-32.41	3	1.27	0	0	P
2412 MHz		2382.975	-43.02	-1.82	-41.2	-47.29	3	1.27	0	0	A

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBm) =
Antenna Factor(dBi) + Path Loss(dB) + Read Level(dBm)
3. Margin(dB) = Level(dBm) – Limit Line(dBm)

For Peak Limit @ 2385.495 MHz:

1. Level(dBm)
= Antenna Factor(dBi) + Path Loss(dB) + Read Level(dBm)
= 3(dBi) + 1.27(dB) – 32.41(dBm)
= -28.14 (dBm)
2. Margin(dB)
= Level(dBm) – Limit Line(dBm)
= -28.14(dBm) + 21.2(dBm)
= -6.94(dB)

For Average Limit @ 2382.975 MHz:

1. Level(dBm)
= Antenna Factor(dBi) + Path Loss(dB) + Read Level(dBm)
= 3(dBi) + 1.27(dB) – 47.29(dBm)
= -43.02 (dBm)
2. Margin(dB)
= Level(dBm) – Limit Line(dBm)
= -43.02(dBm) + 41.2(dBm)
= -1.82(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



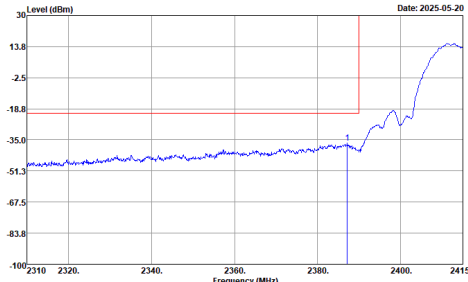
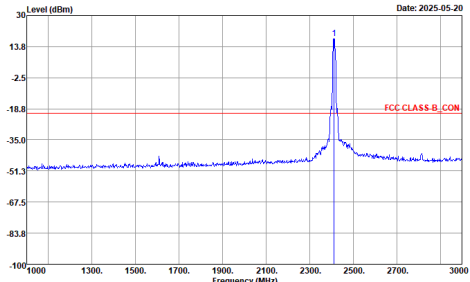
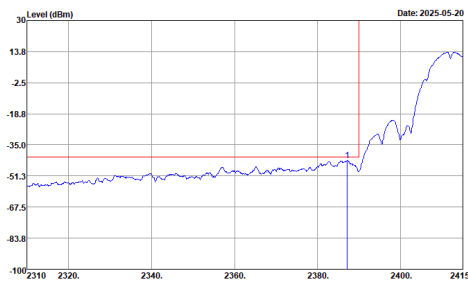
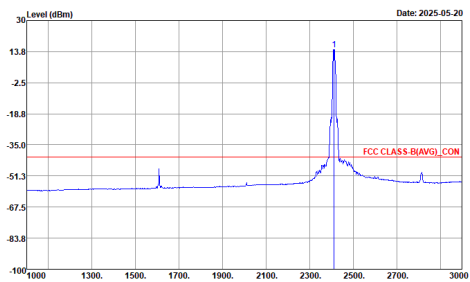
Appendix D. Conducted Spurious Emission Plots

Test Engineer :	Kai Liao	Temperature :	22.3~24.9°C
		Relative Humidity :	52.5~72.4%

Note symbol

-L	Low channel location
-R	High channel location

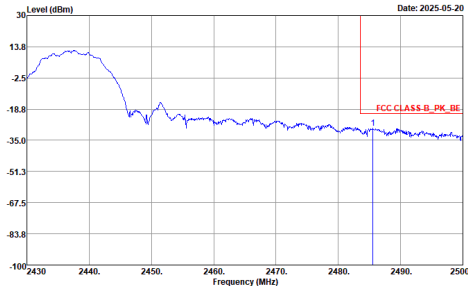
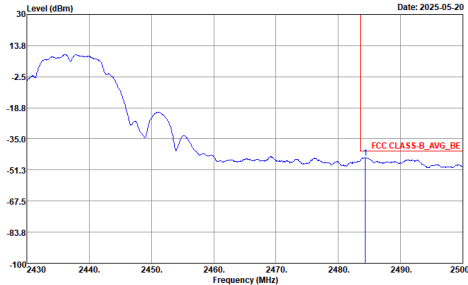
2.4GHz 2400~2483.5MHz WIFI 802.11b (Band Edge)

WIFI	2.4GHz 2400~2483.5MHz	
Ant.	802.11b CH01 2412MHz	
1	CSE	Fundamental
Peak	 Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak	 Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak
Avg.	 Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:0.820kHz Detector : Peak	 Site : TH05-HY Condition : FCC CLASS-B(AVG)_CON ANT_GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:0.820kHz Detector : Peak



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b CH06 2437MHz - L	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL Detector : Peak
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Site : TH05-HY Condition : FCC CLASS-B(AVG)_CON ANT_GAIN+3 HORIZONTAL Detector : Peak

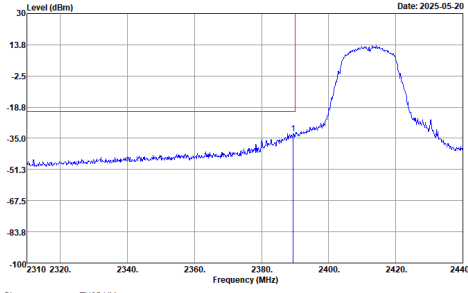
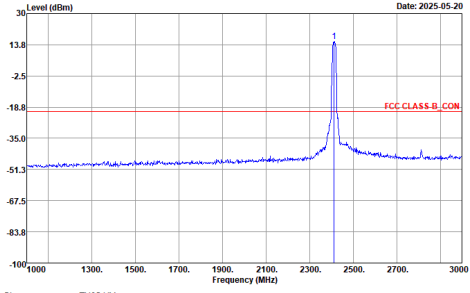
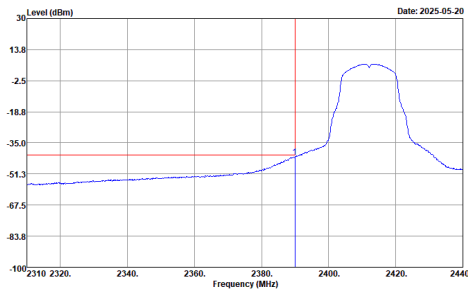
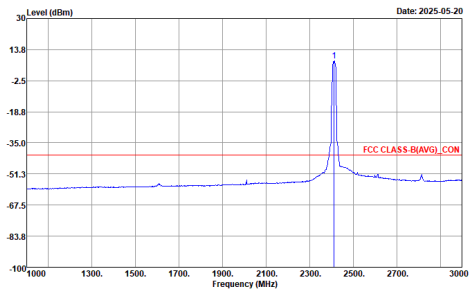


WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b CH06 2437MHz - R	
1	CSE	Fundamental
Peak	 Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Left Blank
Avg.	 Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Left Blank



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11b CH11 2462MHz	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL Detector : Peak
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Site : TH05-HY Condition : FCC CLASS-B(AVG)_CON ANT_GAIN+3 HORIZONTAL Detector : Peak

**2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge)**

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g CH01 2412MHz	
1	CSE	Fundamental
Peak	 Level (dBm) 30 13.8 -2.5 -18.8 -35.0 -51.3 -67.5 -83.8 -100 Frequency (MHz) 2310 2320. 2340. 2360. 2380. 2400. 2420. 2440 Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz	 Level (dBm) 30 13.8 -2.5 -18.8 -35.0 -51.3 -67.5 -83.8 -100 Frequency (MHz) 1000 1300. 1500. 1700. 1900. 2100. 2300. 2500. 2700. 3000 Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz
Avg.	 Level (dBm) 30 13.8 -2.5 -18.8 -35.0 -51.3 -67.5 -83.8 -100 Frequency (MHz) 2310 2320. 2340. 2360. 2380. 2400. 2420. 2440 Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:1.100kHz	 Level (dBm) 30 13.8 -2.5 -18.8 -35.0 -51.3 -67.5 -83.8 -100 Frequency (MHz) 1000 1300. 1500. 1700. 1900. 2100. 2300. 2500. 2700. 3000 Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B(AVG)_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:1.100kHz



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g CH06 2437MHz - L	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak Date: 2025-05-20	Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL Detector : Peak Date: 2025-05-20
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak Date: 2025-05-20	Site : TH05-HY Condition : FCC CLASS-B(AVG)_CON ANT_GAIN+3 HORIZONTAL Detector : Peak Date: 2025-05-20



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g CH06 2437MHz - R	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Left Blank
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Left Blank



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g CH11 2462MHz	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B, PK, BE ANT. GAIN+3 HORIZONTAL Detector : Peak REW:1000.000KHz VIEW:3000.000KHz	Site : TH05-HY Condition : FCC CLASS-B, CON ANT. GAIN+3 HORIZONTAL Detector : Peak REW:1000.000KHz VIEW:3000.000KHz
Avg.	Site : TH05-HY Condition : FCC CLASS-B, AVG, BE ANT. GAIN+3 HORIZONTAL Detector : Peak REW:1000.000KHz VIEW:1.100KHz	Site : TH05-HY Condition : FCC CLASS-B(AVG), CON ANT. GAIN+3 HORIZONTAL Detector : Peak REW:1000.000KHz VIEW:1.100KHz

**2.4GHz 2400~2483.5MHz
WIFI 802.11n HT20 (Band Edge)**

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 CH01 2412MHz	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VBW: 3000.000kHz	Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VBW: 3000.000kHz
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VBW: 1.200kHz	Site : TH05-HY Condition : FCC CLASS-B(AVG)_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VBW: 1.200kHz



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 CH06 2437MHz - L	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz	Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:1.200KHz	Site : TH05-HY Condition : FCC CLASS-B_AVG_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:1.200KHz



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 CH06 2437MHz - R	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Left Blank
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak	Left Blank



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 CH11 2462MHz	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B, PK, BE ANT, GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak	Site : TH05-HY Condition : FCC CLASS-B, CON ANT, GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak
Avg.	Site : TH05-HY Condition : FCC CLASS-B, AVG, BE ANT, GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:1.200kHz Detector : Peak	Site : TH05-HY Condition : FCC CLASS-B(AVG), CON ANT, GAIN+3 HORIZONTAL RBW:1000.000kHz VBW:1.200kHz Detector : Peak

**2.4GHz 2400~2483.5MHz****WIFI 802.11ax HE20 Full (Band Edge)**

WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE20 Full CH01 2412MHz	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B, PK, BE ANT, GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VEW: 3000.000kHz	Site : TH05-HY Condition : FCC CLASS-B, CON ANT, GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VEW: 3000.000kHz
Avg.	Site : TH05-HY Condition : FCC CLASS-B, AVG, BE ANT, GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VEW: 1.500kHz	Site : TH05-HY Condition : FCC CLASS-B, AVG, CON ANT, GAIN+3 HORIZONTAL Detector : Peak RBW: 1000.000kHz VEW: 1.500kHz



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE20 Full CH06 2437MHz - L	
1	CSE	Fundamental
Peak	Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz	Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz
Avg.	Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:1.500kHz	Date: 2025-05-20 Site : TH05-HY Condition : FCC CLASS-B_AVG_CON ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:1.000kHz



WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11ax HE20 Full CH06 2437MHz - R	
1	CSE	Fundamental
Peak	Site : TH05-HY Condition : FCC CLASS-B_PK_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:3000.000KHz	Left Blank
Avg.	Site : TH05-HY Condition : FCC CLASS-B_AVG_BE ANT_GAIN+3 HORIZONTAL Detector : Peak RBW:1000.000KHz VBW:1.500KHz	Left Blank