

FCC PART 15.247

TEST REPORT

For

Miliwave Co., Ltd.

504, 106-40 Gwahakdanji-ro, Gangneung-si, Gangwon-do, South Korea

FCC ID: 2AVCWMWC-708

Report Type: Class II permissive change Report	Product Name: Wireless Router
Report Number:	RKSA251226002-00B
Report Date:	2026-01-30
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Approves By:	Kyle Xu
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

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DOCUMENT HISTORY

Revision	Release Data	Description of Revision	Report Number
R1V1	2024-02-06	Original Report	RKSA231222003-00B
R2V1	2026-01-30	Class II permissive change Report	RKSA251226002-00B

FILING DESCRIPTION

Report Number	Information about changes
RKSA231222003-00B	First Release
RKSA251226002-00B	5G Wi-Fi Antenna, Hardware

Note:

This is a C2PC report, based on Report Number RKSA231222003-00B, the details as below:

1. Add a 5G WIFI Antenna of model RN-117-01 5.8G
2. Remove one MOV
3. Add one MOSFET, remove a Capacitor and a LED
4. Put the capacitor on bottom side
5. Remove the led.
6. POE power supply circuit optimization

For above changes, we tested “Maximum Conducted Output Power”, “Conducted Emissions” and “Radiated Emissions Below 1GHz” and update some photos, other data was referred to the original report RKSA231222003-00B that issued on 2024-02-06 by BACL (Kunshan).

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	Miliwave Co., Ltd.
Tested Model	MWC-708
Product Type	Wireless Router
Power Supply	DC 24V~48V from DC Jack or 24V~56V from PoE
RF Function:	2.4G Wi-Fi
▲ Maximum Peak Output Power:	802.11b: 22.92 dBm 802.11g: 21.42 dBm 802.11n20: 22.34 dBm 802.11n40: 18.72 dBm 802.11ax20: 22.65 dBm 802.11ax40: 18.35 dBm
Operating Band/Frequency:	2412~2462 MHz(802.11b/g/n20/ax20), 2422~2452 MHz(802.11n40/ax40)
Channel Number:	11(802.11b/g/n20/ax20), 7(802.11n40/ax40)
Channel Separation:	5 MHz
Modulation Type:	DSSS, OFDM, OFDMA
Antenna Type:	PCB antenna, rod antenna
★Maximum Antenna Gain:	PCB antenna: 2.9dBi Rod antenna: 4.9 dBi

Note: 1. The maximum antenna gain is provided by the applicant.

2. The EUT support two type power supply, according to schematic, the circuit of them are same, we choose POE power supply for test.

Note[▲]: The changes will not affect test data, the data are from original report RKSA231222003-00B.

All measurement and test data in this report was gathered from production sample serial number: RKSA251226002-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2025-12-26.)

Objective

This report is prepared for *Miliwave Co., Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communication Commissions' rules.

The tests were performed in order to determine Compliant with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2020, American National Standard of Procedures for Compliant Testing of Unlicensed Wireless Devices and FCC 558074 D01 15.247 Meas Guidance v05r02.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emission	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0°C
Humidity		6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

Test channel list is as below:

For 802.11b, 802.11g, 802.11n-HT20 and 802.11ax-HE20 mode, EUT was tested with Channel 1, 6 and 11.
For 802.11n-HT40 and 802.11ax-HE40 mode, EUT was tested with Channel 3, 6 and 9.

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

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

RF test tool: QSPR

Pre-scan with all the data rates, and the worst case was performed as below:

Mode	Data rate	★Power Level					
		Low Channel		Middle Channel		High Channel	
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1
802.11b	1Mbps	21	21	21	21	21	21
802.11g	6Mbps	21	21	21	21	21	21
802.11n-HT20	MCS0	21	21	21	21	21	21
802.11n-HT40	MCS0	21	21	21	21	21	21
802.11ax-HE20	MCS0	21	21	21	21	21	21
802.11ax-HE40	MCS0	21	21	21	21	21	21

Note:

1. The power level was declared by the applicant.

2. 802.11b/g supports SISO, 802.11n20/n40/ax20/ax40 supports SISO and MIMO mode.

For Radiated Emission, according to pretest, the worst case for 802.11n20/n40/ax20/ax40 is MIMO mode. So 802.11n20/n40/ax20/ax40 MIMO mode test data were recorded in the report.

3. For 802.11ax, the EUT only support full RU not support partial RU.

For Conducted Test:

802.11b & 802.11g & 802.11n&802.11ax: each transmit chains were tested.

For Radiated Test:

802.11b & 802.11g, SISO for each transmit chain

802.11n&802.11 ax: MIMO for two transmit chains

Support Equipment List and Details

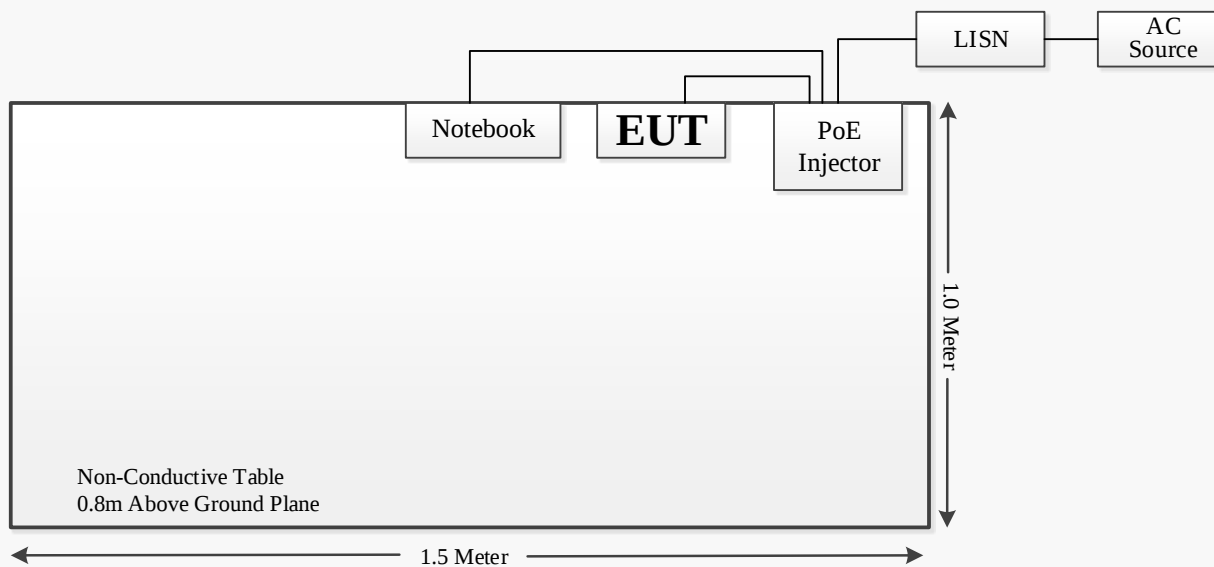
Manufacturer	Description	Model	Serial Number
Tenda	PoE Injector	PoE30G-AT	/
Lenovo	Notebook	Y700P	PF2B7PL5
/	Power strip	/	/

External I/O Cable

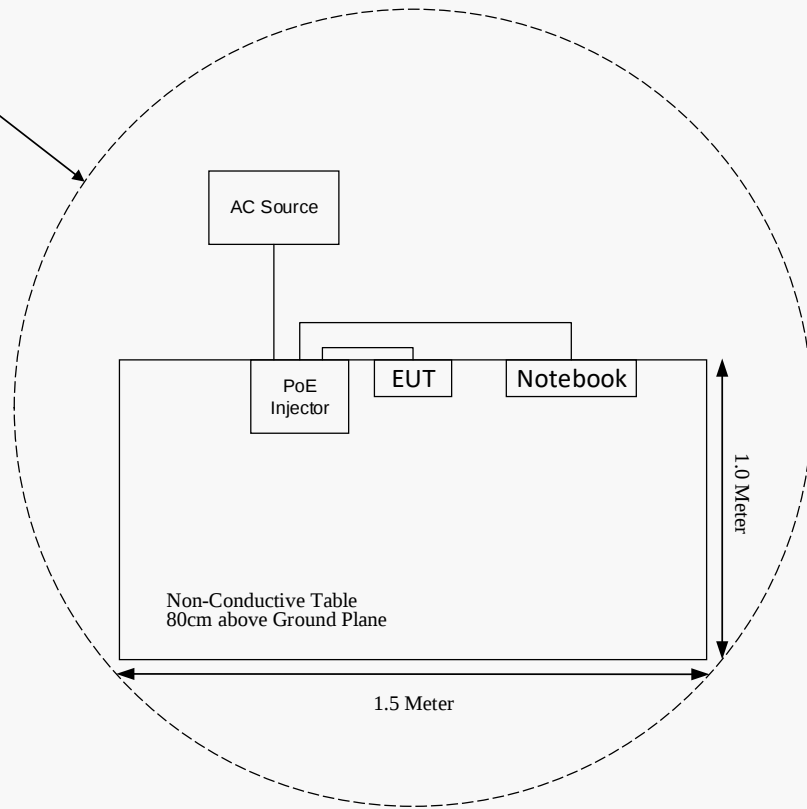
Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.0	AC Source/LISN	PoE Injector
Power Cable 2	1.0	PoE Injector	Power strip
Power Cable 3	1.0	Power strip	AC Source
RJ45 Cable 1	1.5	PoE Injector	EUT
RJ45 Cable 2	1.5	PoE Injector	Notebook

Block Diagram of Test Setup

For Conducted Emissions:



Turntable
2m Diameter



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result	Remark
§15.247 (I), §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant	---
§15.203	Antenna Requirement	Compliant	---
§15.207 (a)	AC Line Conducted Emissions	Compliant	---
§15.205, §15.209, §15.247(d)	Spurious Emissions below 1GHz	Compliant	---
	Spurious Emissions above 1GHz	---	See Note
§15.247 (a)(2)	6 dB Emission Bandwidth	---	See Note
§15.247(b)(3)	Maximum Conducted Output Power	Report only	---
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	---	See Note
§15.247(e)	Power Spectral Density	---	See Note

Note: The changes will not affect test data, the data are referred to original report RKSA231222003-00B that issued on 2024-02-06 by BACL (Kunshan).

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2025-04-09	2026-04-08
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2024-11-08	2027-11-07
Narda	6dB Attenuator	773-6	10690812-2-1	2024-11-08	2027-11-07
BACL	Active Loop Antenna	1313-1A	4041511	2024-11-22	2027-11-21
Sonoma Instrument	Pre-amplifier	310N	171205	2025-04-09	2026-04-08
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-9	009	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-10	010	2025-04-09	2026-04-08
RF Conducted Test					
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Anritsu	Power Sensor	MA24418A	12621	2025-04-09	2026-04-08
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	1316.3003K03-101746-zn	2025-04-09	2026-04-08
Rohde & Schwarz	LISN	ENV216	101115	2025-04-08	2026-04-07
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2025-04-08	2026-04-07
MICRO-COAX	Coaxial Cable	Cable-15	015	2025-04-08	2026-04-07

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1310 & §2.1091 –MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart §2.1091 and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary

Predication of MPE limit at a given distance

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

Mode	Frequency Range (MHz)	Antenna Gain		Tune-up Output Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G WIFI	2412~2462	4.9	3.09	23.0	199.53	20	0.1226	1.0
5G WIFI	5150~5250	10.1	10.23	20.5	112.20	20	0.2283	1.0
	5725~5850	10.6	11.48	25.0	316.23	20	0.7222	1.0

Note:

1. For the above tune up power were declared by the manufacturer.
2. 2.4G Wi-Fi and 5G WIFI cannot transmit simultaneously.

Result: The device meet FCC MPE at 20 cm distance.

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, 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 user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine Compliant with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.
- c. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The Antenna use a unique type of connector to attach to the EUT, fulfill the requirement of this section. Please refer to the EUT photos.

Antenna Type	Model	Cable Length (mm)	Antenna Gain (dBi)
PCB	ALX19P-051AA2-02	130	2.9
ROD-1	ALX19X-221050-00	150	4.9
ROD-2	DRA2G5GD002	150	3.0

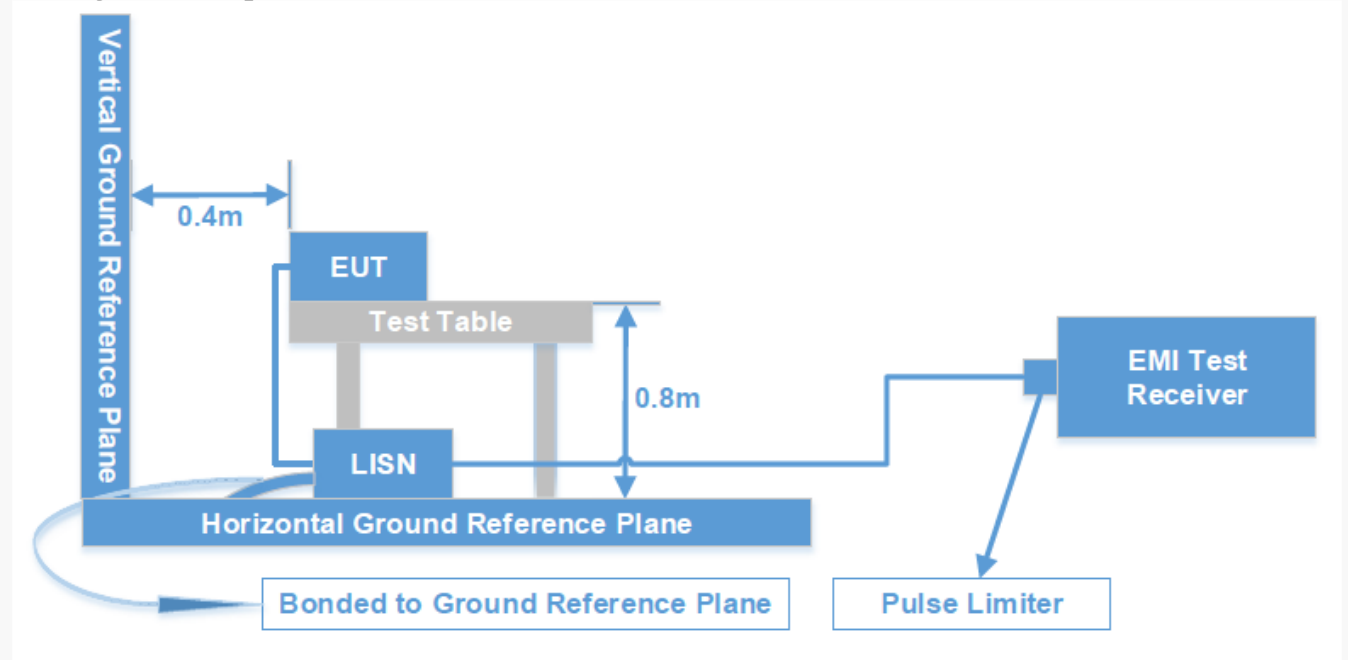
Result: Compliant.

FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

Test System Setup



The measurement procedure of EUT setup is according with ANSI C63.10-2020. The related limit was specified in FCC Part 15.207.

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	VBW
150 kHz - 30 MHz	9 kHz	30 kHz

Test Procedure

ANSI C63.10-2020 clause 6.2

During the conducted emission test, the EUT was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)

Level (dBμV) = Read level (dBμV) + Factor (dB)

The “**Over Limit**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

Over Limit (dB) = Level (dBμV) - Limit (dBμV)

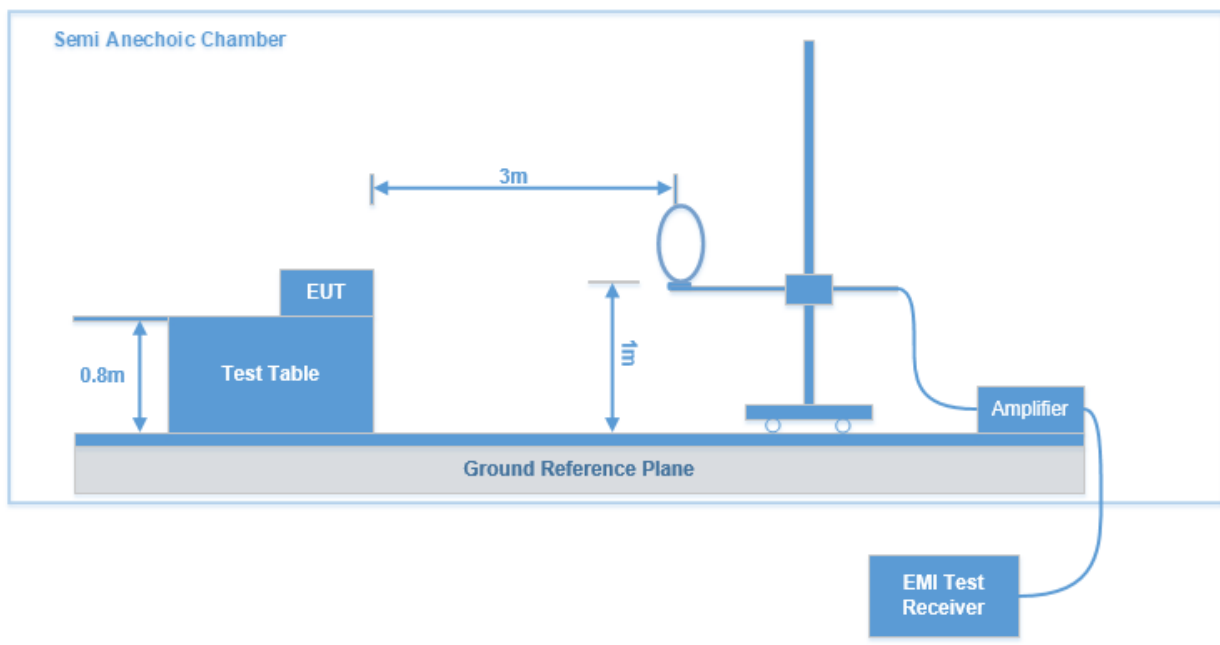
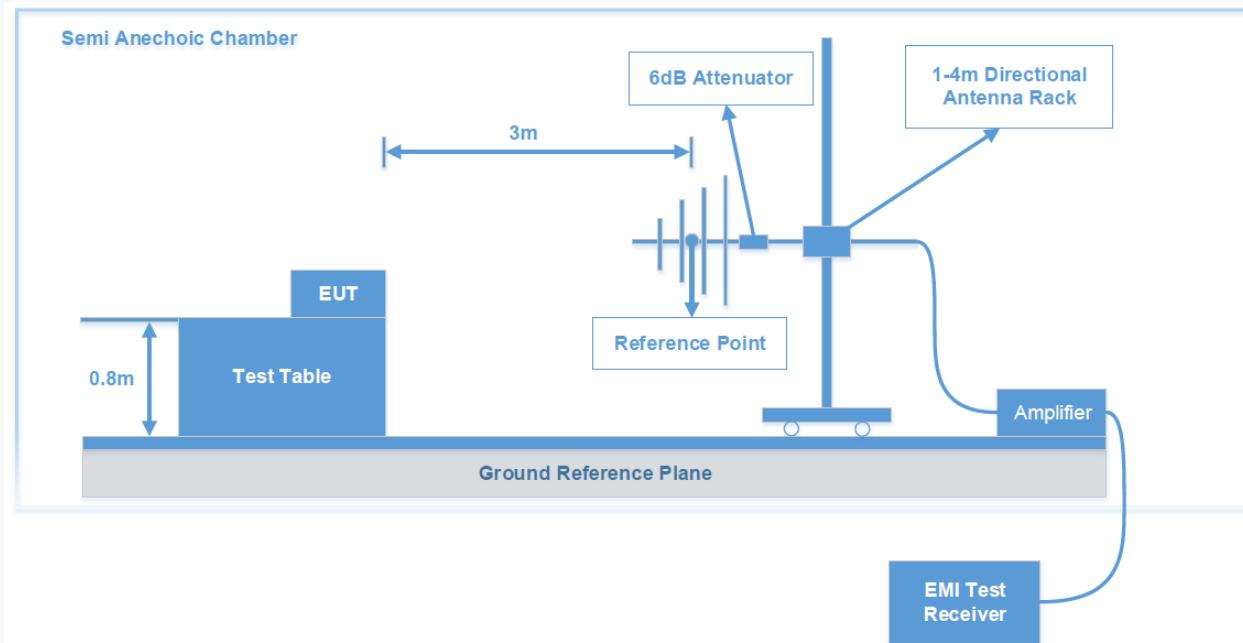
Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data: See Appendix

FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS**Applicable Standard**

FCC §15.247 (d); §15.209; §15.205;

Test System Setup**9 kHz-30 MHz:****30 MHz-1 GHz:**

The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2020. The specification used was the FCC 15.209, and FCC 15.247 limits.

EMI Test Receiver Setup

During the radiated emission test, the EMI test receiver setup was set with the following configurations:

Frequency Range	RBW	VBW	IF B/W	Measurement	Detector
9 kHz - 150 kHz	200 Hz	1 kHz	200 Hz	Peak/QP/Average	Peak/QP/Average
150 kHz - 30 MHz	9 kHz	30 kHz	9 kHz	Peak/QP/Average	Peak/QP/Average
30 MHz - 1000 MHz	100 kHz	300 kHz	/	Peak	Peak
	/	/	120 kHz	QP	QP

Test Procedure

According to ANSI C63.10-2020 clause 6.4, 6.5 and 6.6.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

For 9 kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude (dB μ V/m) = Meter Reading (dB μ V) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dB μ V/m) – Corrected Amplitude (dB μ V/m)

Note: The QuasiPeak (dB μ V/m), MaxPeak (dB μ V/m), Average (dB μ V/m) which shown in the data table are all Corrected Amplitude.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, and Subpart C, section 15.205, 15.209 and 15.247.

Test Data: See Appendix

FCC §15.247(B) (3) - MAXIMUM CONDUCTED OUTPUT POWER

Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, Compliant with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

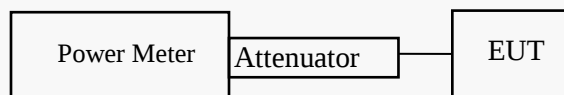
Test Procedure

According to ANSI C63.10-2020 sub-clause 11.9.1.2

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

11.9.2.3.2 Method AVGPM-G

Method AVGPM-G is a measurement using a gated RF average power meter. Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.



Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

Test Data: See Appendix

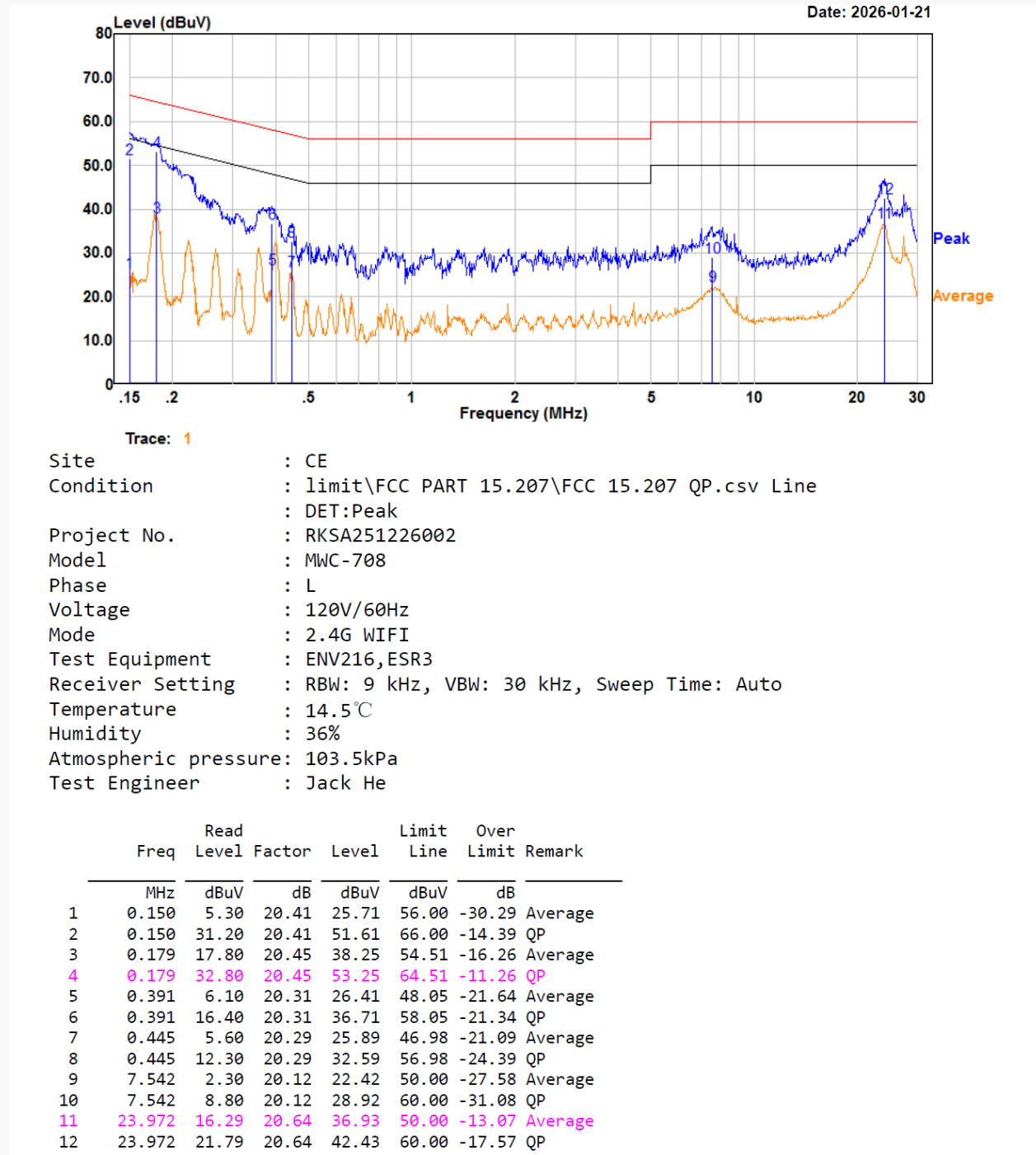
APPENDIX - TEST DATA

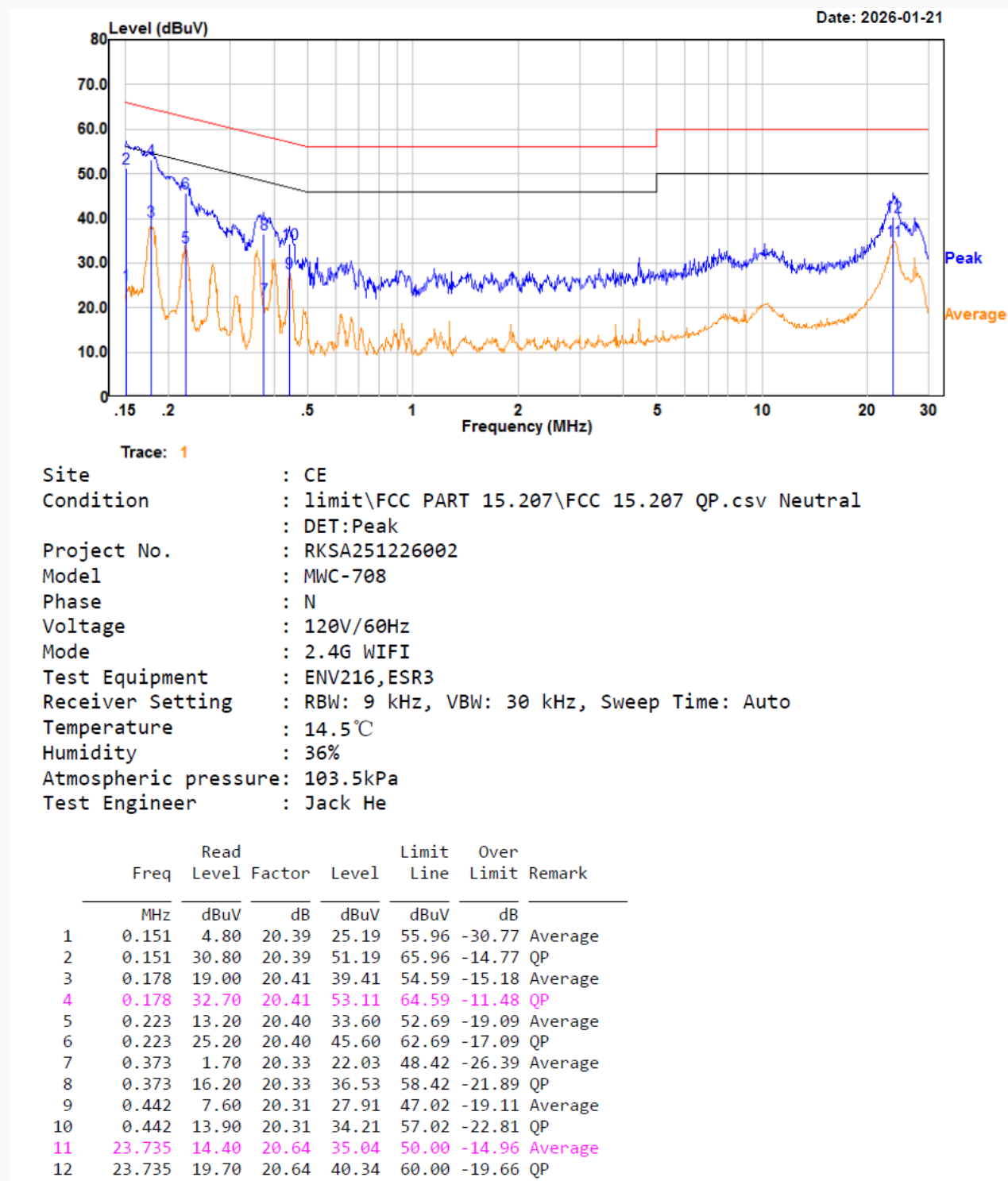
AC LINE CONDUCTED EMISSIONS

Environmental Conditions & Test Information

Test Date:	2026-01-21
Temperature:	14.5 °C
Relative Humidity:	36 %
ATM Pressure:	103.5 kPa
Test Result:	Pass
Test Engineer:	Jack He

EUT operation mode: Transmitting in maximum output power mode and 802.11n20 Mode low channel with PCB antenna.

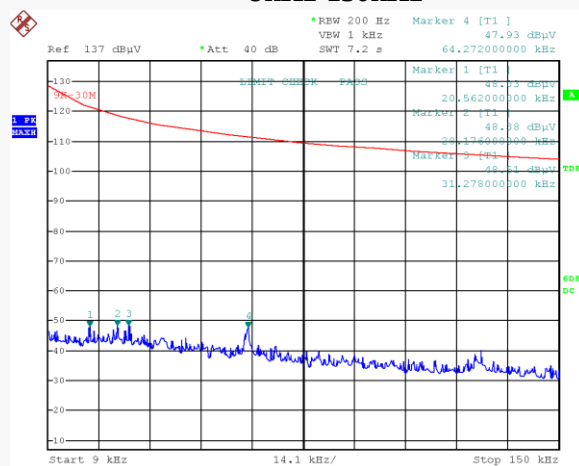




SPURIOUS EMISSIONS**Environmental Conditions & Test Information**

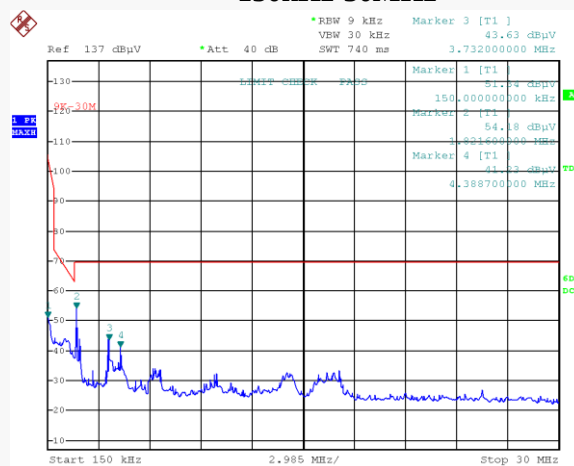
Test Item:	SPURIOUS EMISSIONS	
	9kHz – 30MHz	30MHz - 1GHz
Test Date:	2026-01-06	2026-01-21
Temperature:	17.1 °C	17.3 °C
Relative Humidity:	38 %	42 %
ATM Pressure:	103.1 kPa	103.5 kPa
Test Result:	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang

Test Result: Compliant*EUT operation mode: Transmitting**After pre-scan in the X, Y and Z axes of orientation, the worst case is below:***9 kHz-30MHz:** (Transmitting in maximum output power mode and 802.11n20 Mode low channel with PCB antenna.)

Parallel(worst case)**9kHz-150kHz**

Project No. RKSA251226002
 Date: 6.JAN.2026 16:47:53

Tester: Scarf Yang

150kHz-30MHz

Project No. RKSA251226002
 Date: 6.JAN.2026 16:52:57

Tester: Scarf Yang

9kHz-150kHz

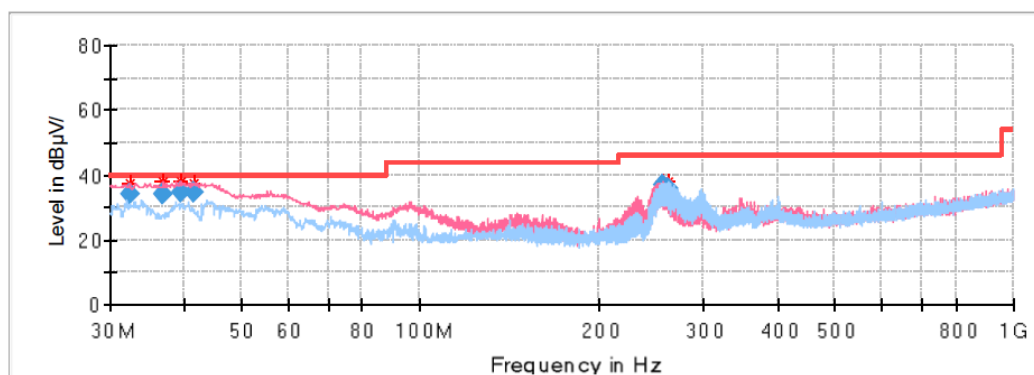
Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.020562	48.03	PK	-0.56	121.34	73.31
0.028176	48.38	PK	-0.60	118.61	70.23
0.031278	48.51	PK	-0.82	117.70	69.19
0.064272	47.93	PK	-5.48	111.44	63.51

150kHz-30MHz

Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.150000	51.34	PK	-11.34	104.08	52.74
1.821600	54.18	PK	-30.32	69.54	15.36
3.732000	43.63	PK	-31.78	69.54	25.91
4.388700	41.23	PK	-31.97	69.54	28.31

30MHz-1GHz**(Transmitting in maximum output power mode and 802.11n20 Mode low):****Low Channel: 2412MHz****Common Information**

Project No:	RKSA251226002
EUT Model:	MWC 708
Test Mode:	2.4G WIFI
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW:100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	17.3°C
Humidity:	42%
Barometric Pressure:	103.5kPa
Test Engineer:	Scarf Yang
Test Date:	2026/1/21

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
32.425000	34.28	40.00	5.72	V	-6.8
36.911250	34.28	40.00	5.72	V	-9.7
39.457500	34.43	40.00	5.57	V	-10.3
41.640000	34.55	40.00	5.45	V	-12.8
255.888750	36.71	46.00	9.29	V	-12.1
263.042500	35.47	46.00	10.53	H	-11.8

Maximum Conducted Output Power**Environmental Conditions & Test Information**

Test Date:	2025-11-06
Temperature:	25.2 °C
Relative Humidity:	49 %
ATM Pressure:	101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

Test Mode	Channel (MHz)	Maximum Conducted Peak Output Power (dBm)			Limit (dBm)	Verdict
		Chain 0	Chain 1	Total		
802.11b	2412	21.26	21.14	/	≤30.00	PASS
	2437	21.42	21.45	/	≤30.00	PASS
	2462	20.24	20.36	/	≤30.00	PASS
802.11g	2412	20.18	20.02	/	≤30.00	PASS
	2437	20.32	20.25	/	≤30.00	PASS
	2462	19.25	19.37	/	≤30.00	PASS
802.11n-HT20	2412	18.73	18.91	21.83	≤30.00	PASS
	2437	18.49	18.56	21.54	≤30.00	PASS
	2462	17.21	17.14	20.19	≤30.00	PASS
802.11n-HT40	2422	14.02	14.12	17.08	≤30.00	PASS
	2437	14.07	14.05	17.07	≤30.00	PASS
	2452	13.87	13.42	16.66	≤30.00	PASS
802.11ax-HE20	2412	18.02	18.78	21.43	≤30.00	PASS
	2437	17.99	17.15	20.6	≤30.00	PASS
	2462	16.52	16.47	19.51	≤30.00	PASS
802.11ax-HE40	2422	14.39	14.26	17.34	≤30.00	PASS
	2437	14.53	14.47	17.51	≤30.00	PASS
	2452	13.72	13.66	16.70	≤30.00	PASS

Note:

1.The data were similar to the original data.

2. The maximum antenna gain is 4.9dBi, the device employed Cyclic Delay Diversity (CDD) for 802.11 MIMO transmitting, per KDB 662911 D01 Multiple Transmitter Output v02r01, for power measurements on IEEE 802.11 devices:

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

So: Directional gain = $G_{ANT} + \text{Array Gain} = 4.9\text{dBi} < 6\text{dBi}$, no RF outpower limit was reduced.

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A_EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B_EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT C_TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s). This report must not be duplicated or used in part without prior written consent from the laboratory.
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

******* END OF REPORT *******