

FCC PART 15.247

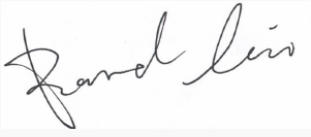
TEST REPORT

For

TaiZhou HuangYan Meibao Pet Supplies Co.,Ltd

BeiYangJu BeiYangTown HuangYan TaiZhou ZheJiang China

FCC ID: 2BR5Z-MB315

Report Type: Original Report	Product Name: OpenAir Smart Litter Box
Report Number: RKSA250626001-00B	
Report Date: 2025-09-12	
Reviewed By:	 Bard Liu
Approved By:	 Kyle Xu
Test Laboratory: Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn	

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.

TABLE OF CONTENTS

REPORT REVISION HISTORY.....	4
GENERAL INFORMATION.....	5
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....	5
OBJECTIVE	5
TEST METHODOLOGY	6
MEASUREMENT UNCERTAINTY	6
TEST FACILITY	6
SYSTEM TEST CONFIGURATION.....	7
DESCRIPTION OF TEST CONFIGURATION	7
EQUIPMENT MODIFICATIONS	7
EUT EXERCISE SOFTWARE	7
SUPPORT EQUIPMENT LIST AND DETAILS	10
EXTERNAL I/O CABLE.....	10
BLOCK DIAGRAM OF TEST SETUP	10
SUMMARY OF TEST RESULTS	12
TEST EQUIPMENT LIST	13
FCC §1.1310 & §2.1091 - MAXIMUM PERMISSIBLE EXPOSURE (MPE).....	15
FCC §15.203 - ANTENNA REQUIREMENT.....	16
APPLICABLE STANDARD	16
ANTENNA CONNECTOR CONSTRUCTION	16
FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS.....	17
APPLICABLE STANDARD	17
TEST SYSTEM SETUP.....	17
EMI TEST RECEIVER SETUP.....	17
TEST PROCEDURE	18
TEST RESULTS SUMMARY	18
TEST DATA: SEE APPENDIX	18
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS.....	19
APPLICABLE STANDARD	19
TEST SYSTEM SETUP.....	19
EMI TEST RECEIVER SETUP.....	20
TEST PROCEDURE	20
TEST RESULTS SUMMARY	21
TEST DATA: SEE APPENDIX	21
FCC §15.247(A) (2) - 6 DB EMISSION BANDWIDTH.....	22
APPLICABLE STANDARD	22
TEST PROCEDURE	22
TEST DATA: SEE APPENDIX	22
FCC §15.247(B) (3) - MAXIMUM CONDUCTED OUTPUT POWER	23
APPLICABLE STANDARD	23
TEST PROCEDURE	23
TEST DATA: SEE APPENDIX	23
FCC §15.247(D) – 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE	24
APPLICABLE STANDARD	24
TEST PROCEDURE	24

TEST DATA: SEE APPENDIX	24
FCC §15.247(E) - POWER SPECTRAL DENSITY.....	25
APPLICABLE STANDARD	25
TEST PROCEDURE	25
TEST DATA: SEE APPENDIX	25
APPENDIX - TEST DATA.....	26
AC LINE CONDUCTED EMISSIONS	26
SPURIOUS EMISSIONS	29
6 dB EMISSION BANDWIDTH	57
MAXIMUM CONDUCTED OUTPUT POWER.....	60
CONDUCTED SPURIOUS EMISSION:.....	61
100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE.....	63
POWER SPECTRAL DENSITY	65
EUT PHOTOGRAPHS	68
TEST SETUP PHOTOGRAPHS	69

REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA250626001-00B	R1V1	2025-09-12	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	TaiZhou HuangYan Meibao Pet Supplies Co.,Ltd
Tested Model:	MB315
Product Name:	OpenAir Smart Litter Box
Power Supply:	DC 12V from adapter
RF Function:	2.4G Wi-Fi
Operating Band/Frequency:	2412~2462 MHz(802.11b/g/n20)
Maximum Peak Output Power:	802.11b: 23.30 dBm 802.11g: 20.102 dBm 802.11n20: 19.266 dBm
Channel Number:	11(802.11b/g/n20)
Channel Separation:	5 MHz
Modulation Type:	DSSS, OFDM
★Maximum Antenna Gain:	2.54 dBi

Adapter Information:

Model: JY24-120-200-UD

Input: 100-240V, 50/60Hz, 0.6A

Output: 12.0V, 2000mA

Note: The maximum antenna gain was declared by the manufacturer.

All measurement and test data in this report was gathered from production sample serial number: RKSA250626001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2025-06-26.)

Objective

This report is prepared for *TaiZhou HuangYan Meibao Pet Supplies 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

Channel List for Wi-Fi Mode:

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	/	/

For 802.11b, 802.11g and 802.11n-HT20 mode, EUT was tested with Channel 1, 6 and 11.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

RF test software: AmebaZ2_mptool_1v3

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
802.11b	1 Mbps	105	110	110
802.11g	6 Mbps	93	93	93
802.11n-HT20	MCS0	87	87	87

Note: The power level was declared by the applicant.

Environmental Conditions & Test Information

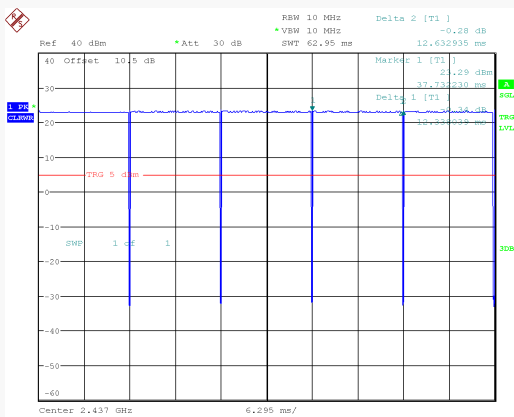
Test Date:	2025-07-17~ 2025-07-18
Temperature:	24.1 °C ~26 °C
Relative Humidity:	59% ~ 60 %
ATM Pressure:	100.7 kPa ~ 101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Mode	Duty Cycle (%)	Ton(ms)	Ton+off(ms)	Duty Cycle Factor(dB)
802.11b	97.66	12.338	12.633	0.10
802.11g	93.90	2.061	2.195	0.27
802.11n-HT20	93.56	1.918	2.050	0.29

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

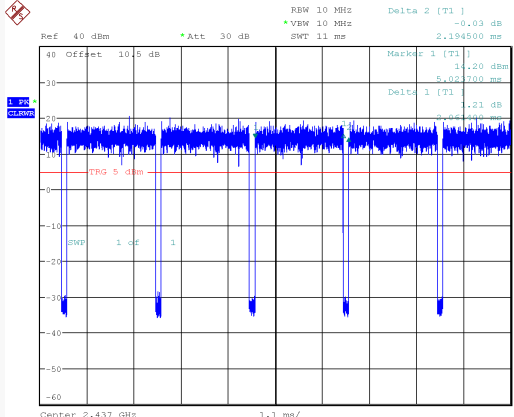
Duty Cycle:

802.11b Mode Middle Channel



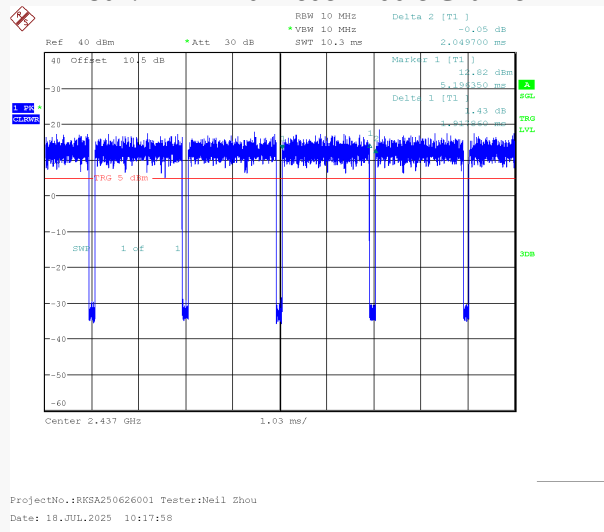
ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 17.JUL.2025 18:04:31

802.11g Mode Middle Channel



ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 09:24:16

802.11n-HT20 Mode Middle Channel

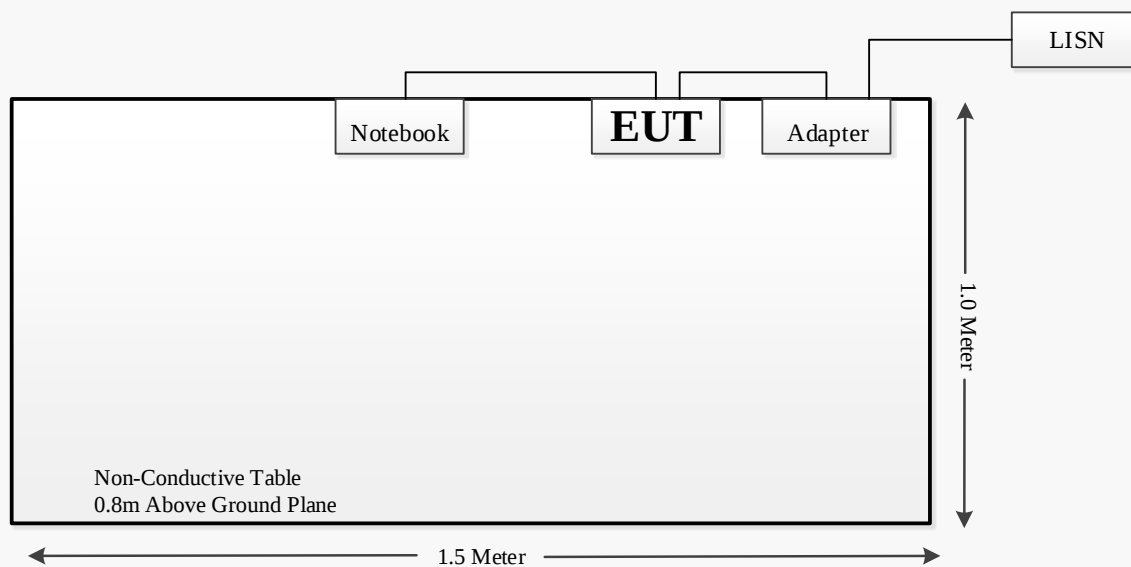


Support Equipment List and Details

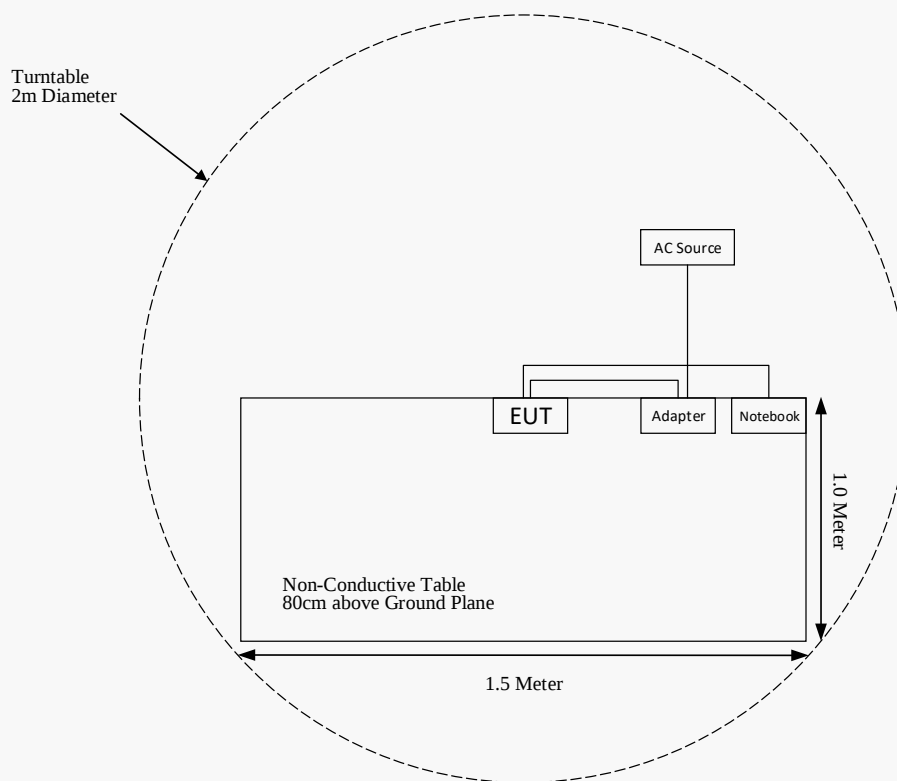
Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5

External I/O Cable

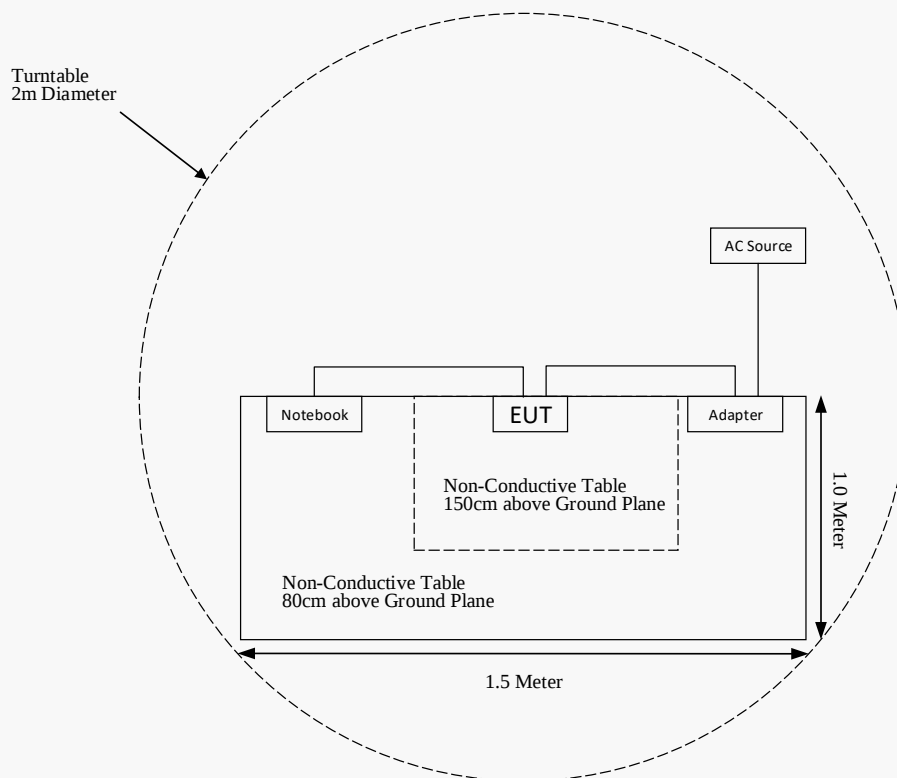
Cable Description	Length (m)	From Port	To Port
USB Cable	1.0	EUT	Notebook
Power Cable 1	1.5	EUT	Adapter
Power Cable 2	1.0	AC Source/LISN	Adapter

Block Diagram of Test Setup**For Conducted Emissions:**

For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§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	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
§15.247(e)	Power Spectral Density	Compliant

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
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2025-04-09	2026-04-08
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2024-12-02	2025-12-01
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
A.H.Systems, inc	Amplifier	PAM-0118P	512	2025-04-09	2026-04-08
SELECTOR	Amplifier	EM18G40G	060726	2025-04-09	2026-04-08
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2025-08-01	2026-07-31
Narda	Attenuator	10dB	010	2025-04-08	2026-04-07
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-11	011	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-12	012	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-13	013	2025-04-09	2026-04-08
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSU26	200103	2025-04-09	2026-04-08
Narda	Attenuator	10dB	010	2025-04-08	2026-04-07
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	2024-07-28	2025-07-27
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 Wi-Fi	2412~2462	2.54	1.79	23.5	223.87	20	0.0797	1.00

Note: For the above tune up power were declared by the manufacturer.

Result: The device meets MPE at distance 20cm.

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 EUT has a PCB antenna which permanently attached to the unit, fulfill the requirement of this section. Please refer to the EUT photos.

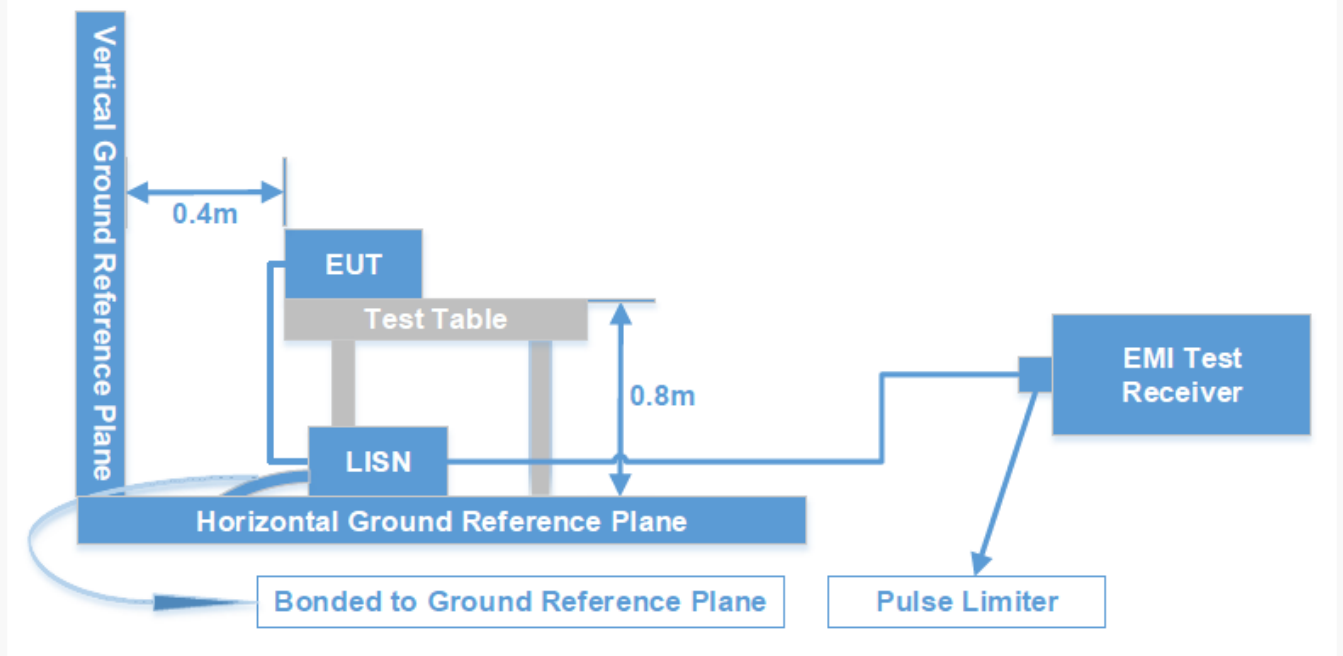
Result: Compliant.

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

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)

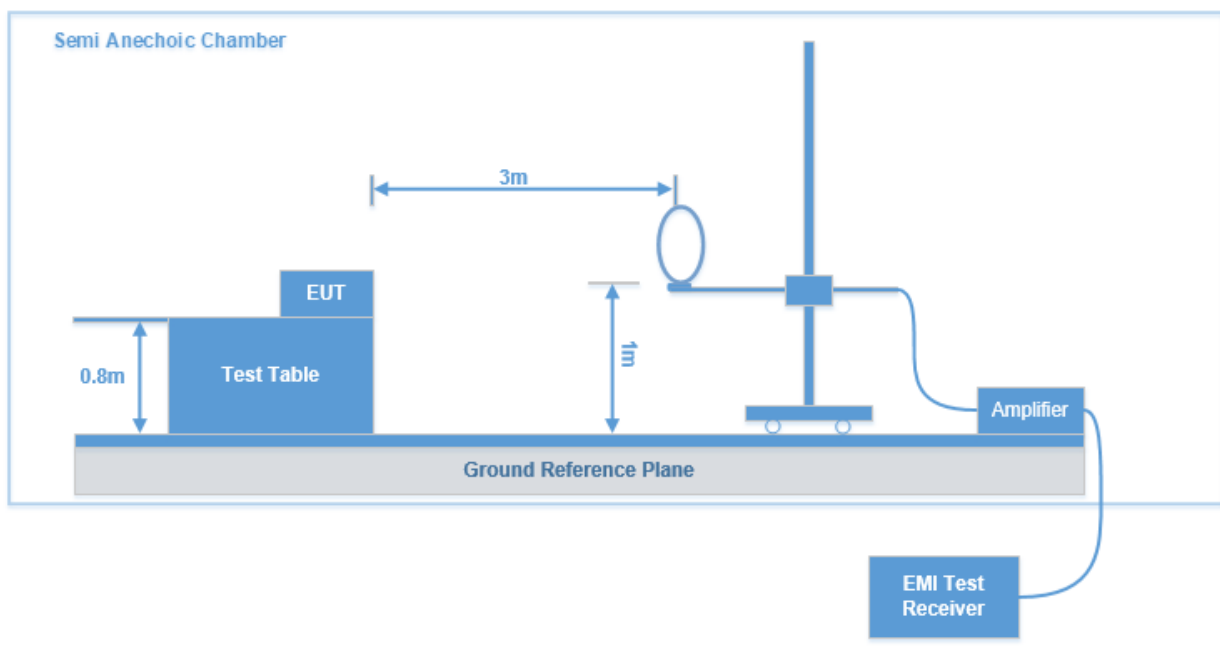
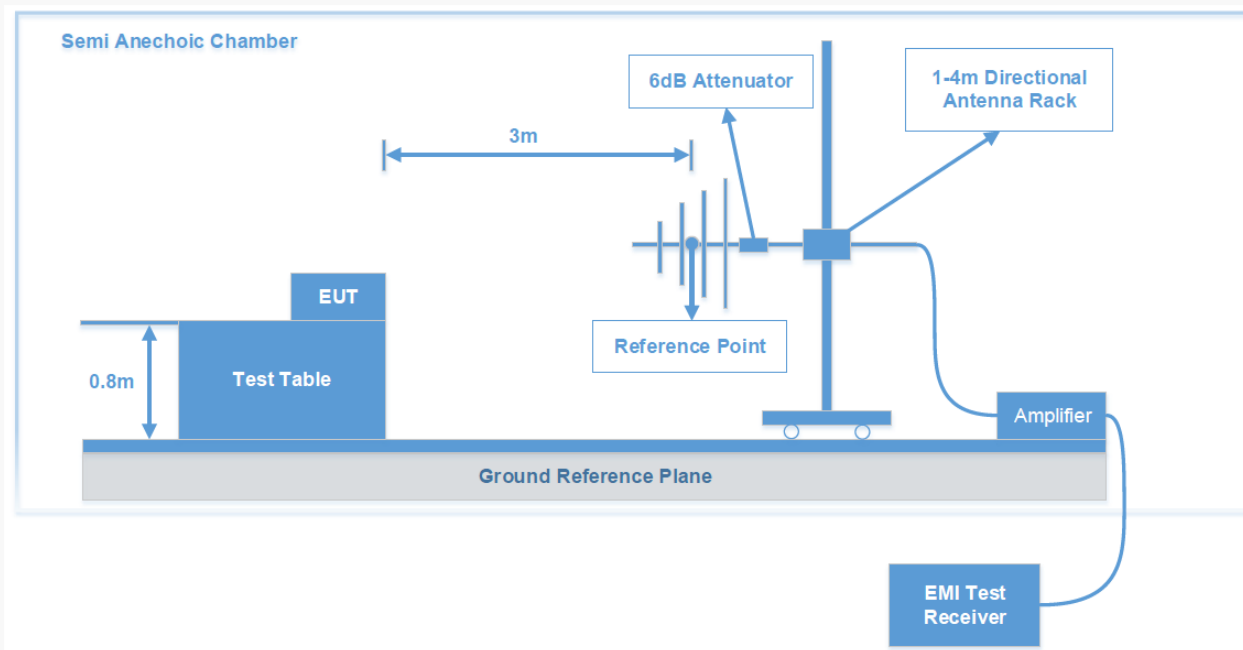
Test Results Summary

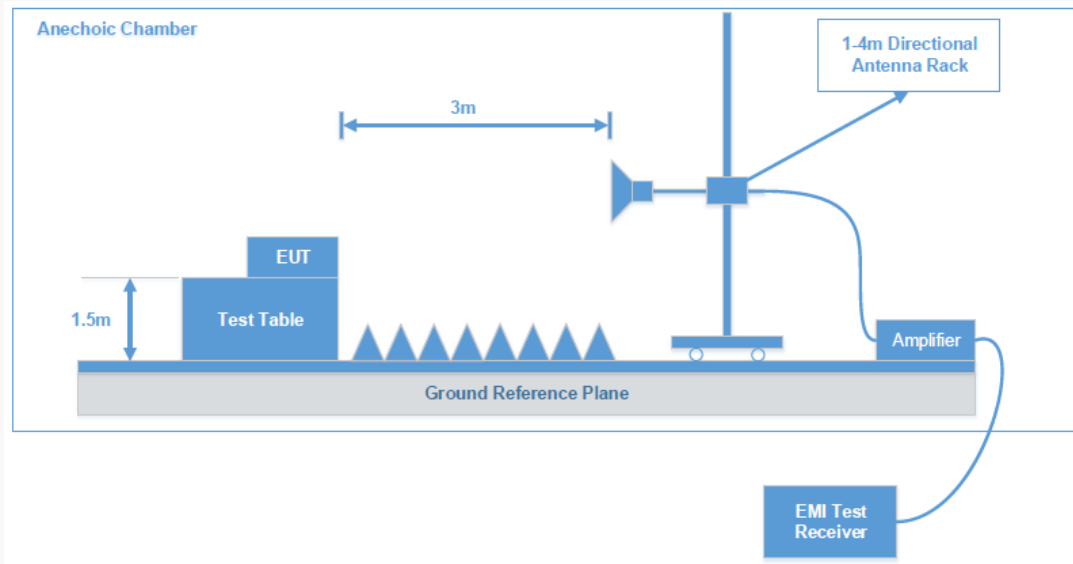
According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

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:**

Above 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
Above 1GHz	1MHz	3 MHz	/	Peak	Peak
	1MHz	3 MHz	/	Average	Average

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(A) (2) - 6 DB EMISSION BANDWIDTH

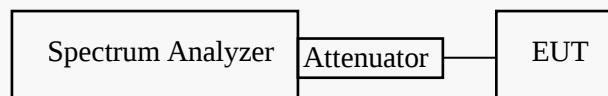
Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Test Procedure

According to ANSI C63.10-2020 sub-clause 11.8.1

- a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.
- b) Set the VBW $\geq [3 \times \text{RBW}]$.
- c) Detector = peak.
- d) Trace mode = max-hold.
- e) Sweep = No faster than coupled (auto) time.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission by placing two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “–6 dB down amplitude”. If a marker is below this “–6 dB down amplitude” value, then it shall be as close as possible to this value.



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

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.

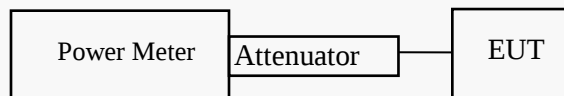
Test Procedure

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

FCC §15.247(D) – 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates Compliant with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Procedure

According to ANSI C63.10-2020 sub-clause 6.10.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.



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

Test Data: See Appendix

FCC §15.247(E) - POWER SPECTRAL DENSITY

Applicable Standard

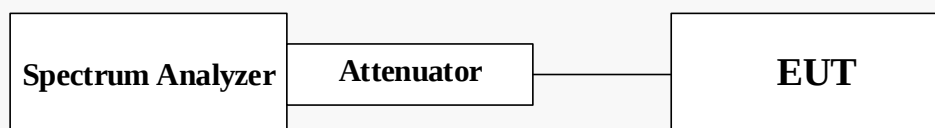
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

According to ANSI C63.10-2020 sub-clause 11.10.2

The following procedure shall be used if maximum peak conducted output power was used to determine Compliant, and it is optional if the maximum conducted (average) output power was used to determine Compliant:

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span >1.5 times the DTS bandwidth.
- c) Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW $\geq [3 \times \text{RBW}]$.
- e) Detector = peak.
- f) Sweep time = No faster than coupled (auto) time.
- g) Trace mode = max-hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.
- j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.



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

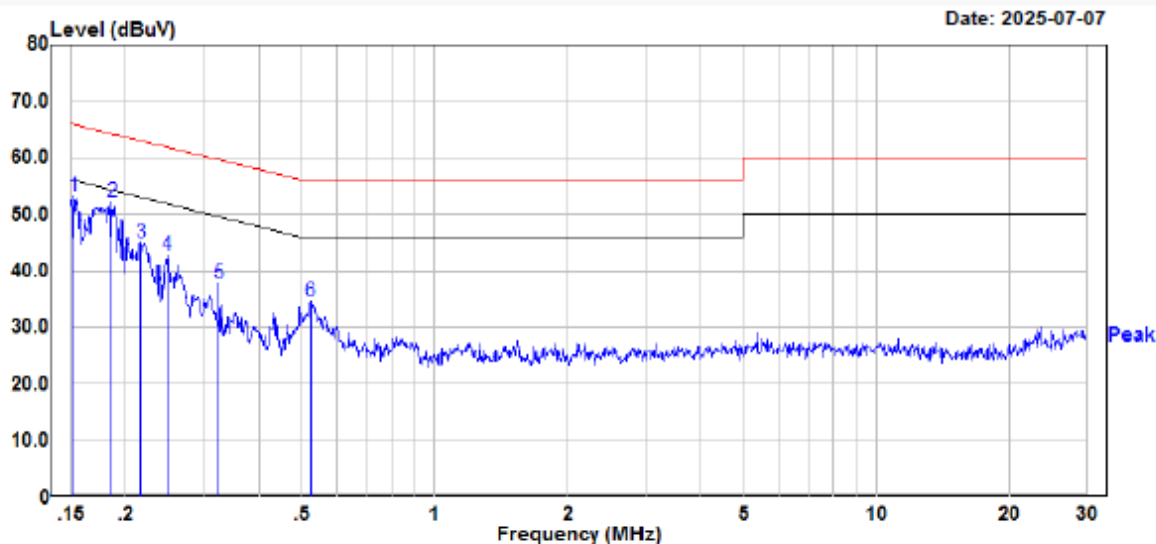
Test Data: See Appendix

APPENDIX - TEST DATA

AC LINE CONDUCTED EMISSIONS

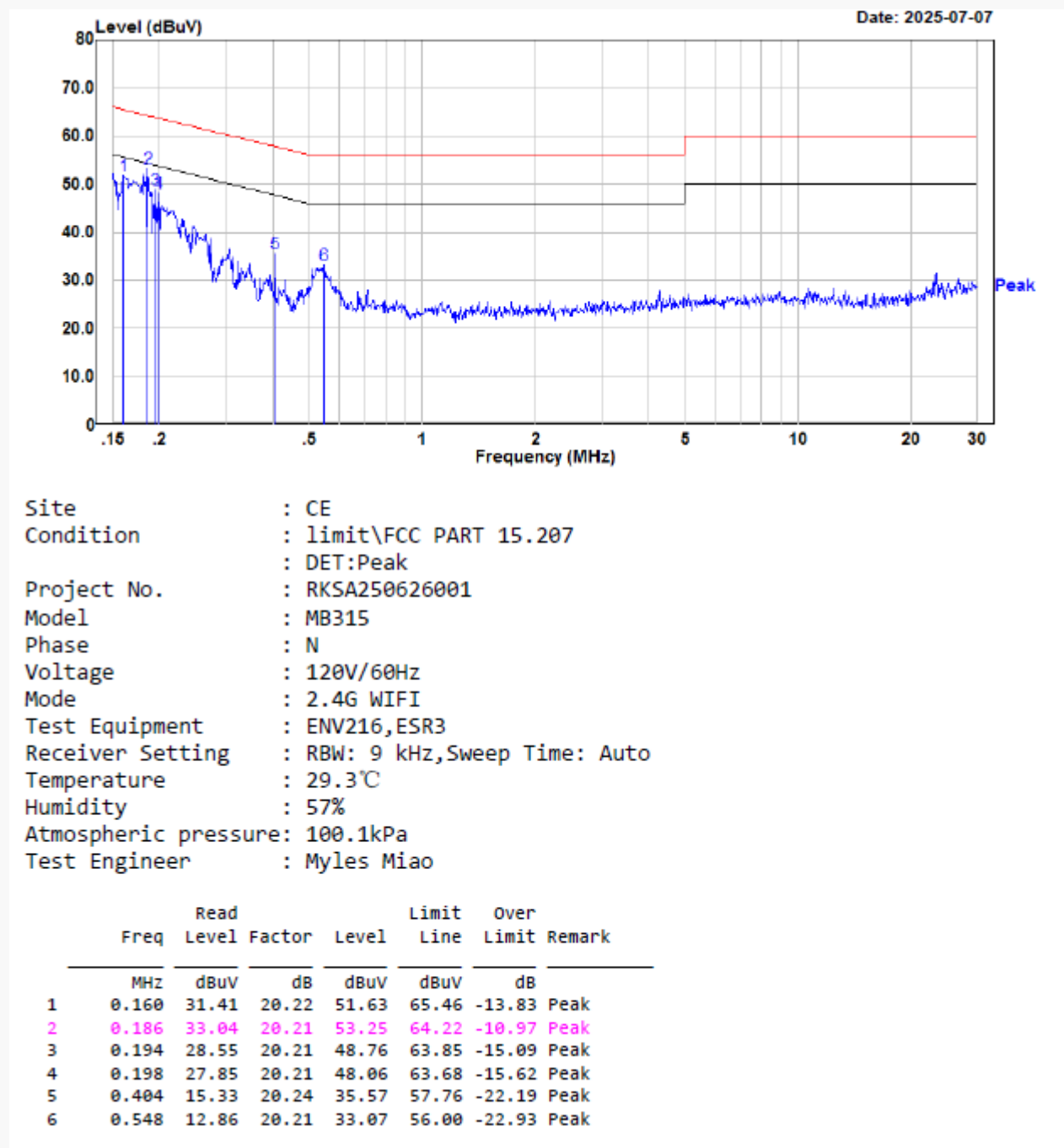
Environmental Conditions & Test Information

Test Date:	2025-07-07
Temperature:	29.3 °C
Relative Humidity:	57 %
ATM Pressure:	100.1 kPa
Test Result:	Pass
Test Engineer:	Myles Miao

For Wi-Fi Mode:*EUT operation mode: Transmitting in maximum output power mode and 802.11b mode middle channel*

Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSA250626001
Model : MB315
Phase : L
Voltage : 120V/60Hz
Mode : 2.4G WIFI
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz,Sweep Time: Auto
Temperature : 29.3℃
Humidity : 57%
Atmospheric pressure: 100.1kPa
Test Engineer : Myles Miao

	Read		Limit	Over		
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.152	33.00	20.23	53.23	65.88	-12.65 Peak
2	0.186	32.03	20.21	52.24	64.22	-11.98 Peak
3	0.216	24.77	20.20	44.97	62.98	-18.01 Peak
4	0.248	22.59	20.20	42.79	61.82	-19.03 Peak
5	0.325	17.45	20.23	37.68	59.58	-21.90 Peak
6	0.524	14.30	20.19	34.49	56.00	-21.51 Peak



SPURIOUS EMISSIONS

Environmental Conditions & Test Information

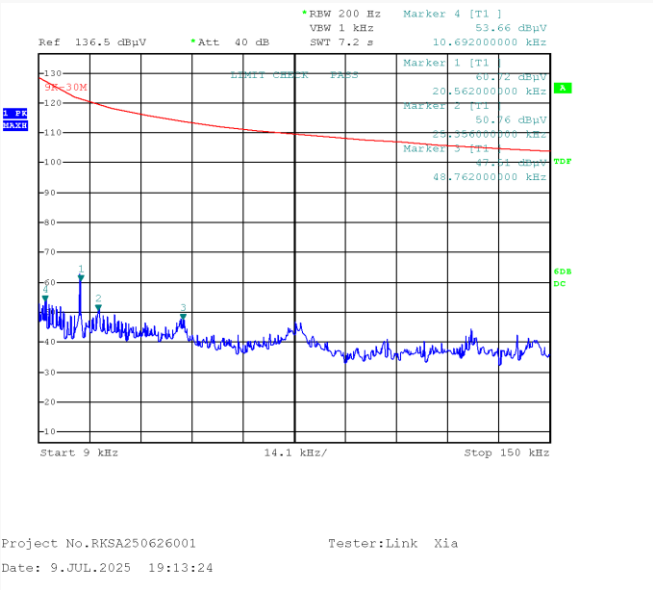
Test Item:	SPURIOUS EMISSIONS			
	9kHz – 30MHz	30MHz - 1GHz	1 GHz - 18 GHz	18 GHz - 25 GHz
Test Date:	2025-07-09	2025-07-14	2025-09-09	2025-07-13
Temperature:	22.3°C	17.9°C	25.6 °C	25.2 °C
Relative Humidity:	60 %	48 %	50%	49%
ATM Pressure:	100.7 kPa	100.4 kPa	101.3 kPa	101.2 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Link Xia	Link Xia	Destine Hu	Hugh Wu

Test Result: Compliant
EUT operation mode: Transmitting

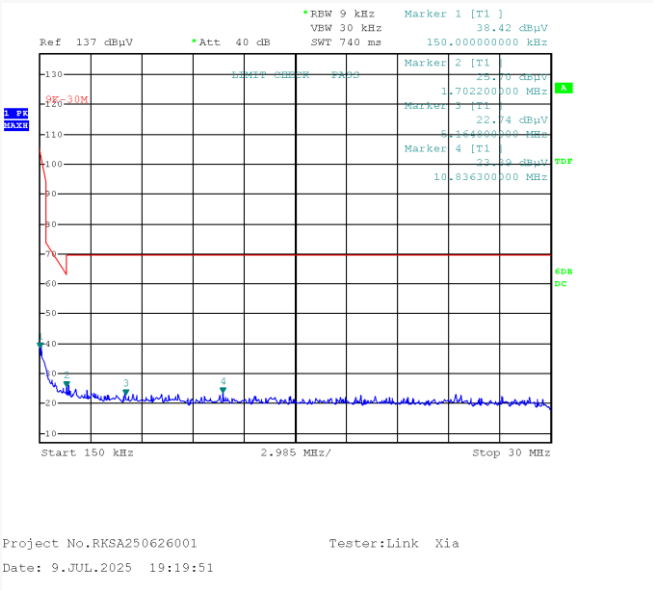
For Wi-Fi Mode:
9 kHz-30MHz: (Transmitting in maximum output power mode and 802.11b mode middle channel)

Parallel(worst case)

9kHz-150kHz



150kHz-30MHz



9 kHz-150 kHz:

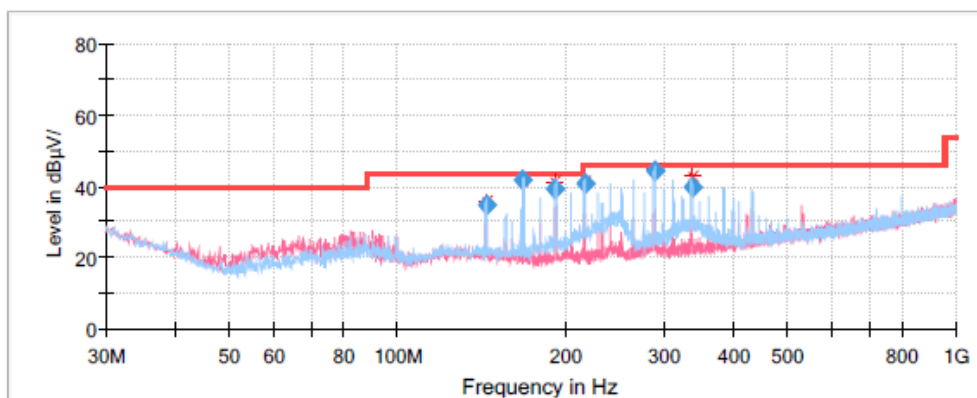
Frequency (kHz)	Corrected Amplitude (dB μ V/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dB μ V/m) @3m	Margin (dB)
20.56	60.72	PK	-0.56	121.34	60.62
25.36	50.76	PK	-0.59	119.52	68.76
48.76	47.51	PK	-3.61	113.84	66.33
10.69	53.66	PK	-0.51	127.03	73.37

150 kHz-30 MHz:

Frequency (MHz)	Corrected Amplitude (dB μ V/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dB μ V/m) @3m	Margin (dB)
0.15	38.42	PK	-11.34	104.08	65.66
1.70	25.70	PK	-29.92	63.00	37.30
5.16	22.74	PK	-32.08	69.54	46.80
10.84	23.39	PK	-32.89	69.54	46.15

30MHz-1GHz (Transmitting in maximum output power 802.11b mode middle channel):**Middle Channel: 2437MHz****Common Information**

Project No: RKSA250626001
EUT Model: MB315
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: 17.9°C
Humidity: 48%
Barometric Pressure: 100.4kPa
Test Engineer: Link Xia
Test Date: 2025/7/14

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
144.155650	34.95	43.50	8.55	H	-11.4
168.130500	41.56	43.50	1.94	H	-12.5
192.032400	39.14	43.50	4.36	H	-12.5
216.250500	40.77	46.00	5.23	H	-13.2
288.427800	44.35	46.00	1.65	H	-10.3
336.602400	39.94	46.00	6.06	H	-9.5

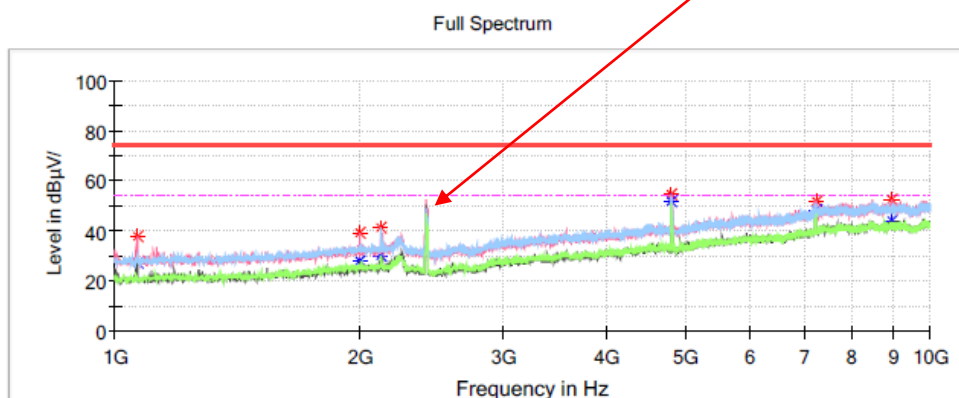
1GHz-18GHz:
802.11b Mode:

Low Channel: 2412MHz (1GHz-10GHz)

Common Information

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6°C
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

Fundamental Test with
Band Reject Filter



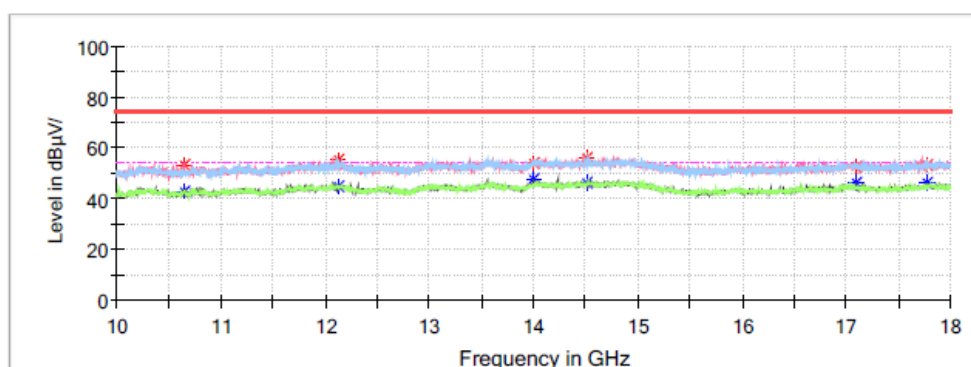
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1063.900000	---	27.18	54.00	26.82	V	-15.0
1063.900000	37.60	---	74.00	36.40	V	-15.0
1998.100000	---	28.14	54.00	25.86	V	-10.0
1998.100000	39.47	---	74.00	34.53	V	-10.0
2124.100000	---	29.87	54.00	24.13	H	-9.9
2124.100000	41.23	---	74.00	32.77	H	-9.9
4824.000000	---	51.92	54.00	2.08	V	-3.4
4824.000000	54.54	---	74.00	19.46	V	-3.4
7236.200000	---	48.17	54.00	5.83	V	2.2
7236.200000	52.07	---	74.00	21.93	V	2.2
8956.000000	---	44.37	54.00	9.63	V	4.7
8956.000000	52.14	---	74.00	21.86	V	4.7

Low Channel: 2412MHz (10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

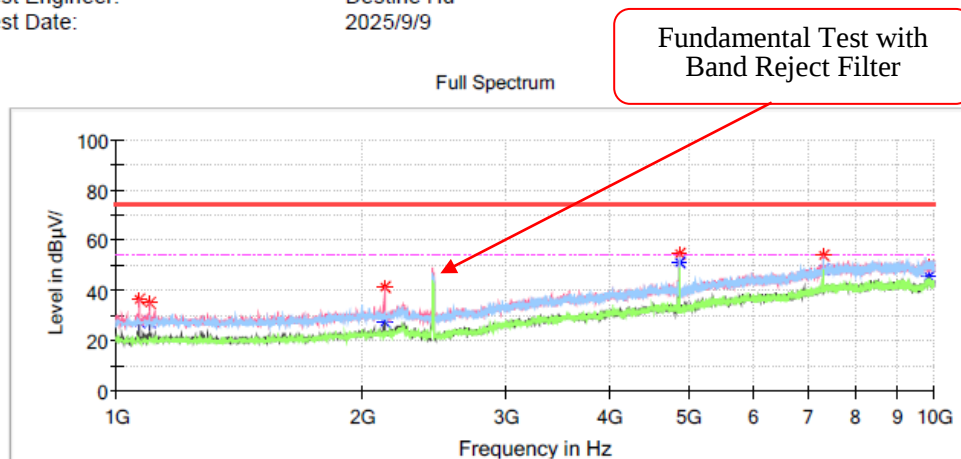
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
10638.400000	---	42.94	54.00	11.06	H	6.7
10638.400000	52.99	---	74.00	21.01	H	6.7
12126.400000	---	44.46	54.00	9.54	V	9.0
12126.400000	55.48	---	74.00	18.52	V	9.0
13998.400000	---	47.74	54.00	6.26	V	11.1
13998.400000	53.79	---	74.00	20.21	V	11.1
14513.600000	---	46.49	54.00	7.51	H	11.9
14513.600000	56.09	---	74.00	17.91	H	11.9
17092.800000	---	45.90	54.00	8.10	V	10.9
17092.800000	52.65	---	74.00	21.35	V	10.9
17776.000000	53.46	---	74.00	20.54	H	11.2
17776.000000	---	46.04	54.00	7.96	H	11.2

Middle Channel: 2437MHz(1GHz-10GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

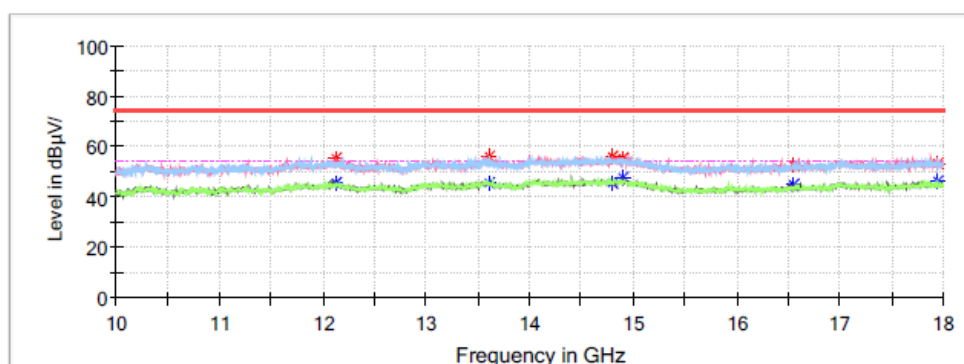
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1064.800000	---	27.15	54.00	26.85	V	-15.0
1064.800000	36.60	---	74.00	37.40	V	-15.0
1097.200000	---	27.26	54.00	26.74	V	-14.9
1097.200000	34.77	---	74.00	39.23	V	-14.9
2131.300000	---	27.22	54.00	26.78	V	-9.9
2131.300000	41.43	---	74.00	32.57	V	-9.9
4874.000000	---	51.38	54.00	2.62	V	-3.2
4874.000000	54.87	---	74.00	19.13	V	-3.2
7311.800000	---	48.44	54.00	5.56	H	2.4
7311.800000	53.63	---	74.00	20.37	H	2.4
9844.300000	49.93	---	74.00	24.07	V	5.9
9844.300000	---	45.22	54.00	8.78	V	5.9

Middle Channel: 2437MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

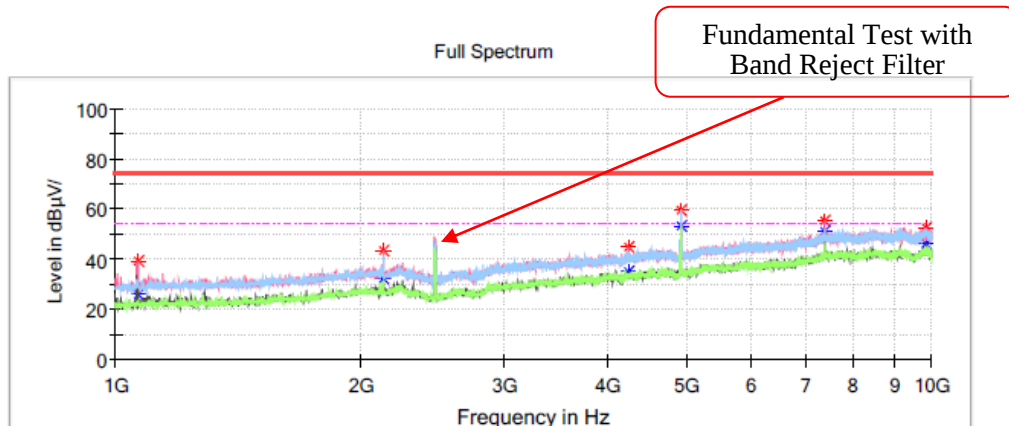
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12126.400000	---	45.14	54.00	8.86	H	9.0
12126.400000	55.31	---	74.00	18.69	H	9.0
13603.200000	---	45.45	54.00	8.55	V	10.2
13603.200000	55.69	---	74.00	18.31	V	10.2
14796.800000	56.21	---	74.00	17.79	V	11.0
14796.800000	---	45.60	54.00	8.40	V	11.0
14908.800000	55.08	---	74.00	18.92	V	10.6
14908.800000	---	47.48	54.00	6.52	V	10.6
16556.800000	---	44.88	54.00	9.12	V	9.2
16556.800000	52.26	---	74.00	21.74	V	9.2
17944.000000	---	46.01	54.00	7.99	H	11.6
17944.000000	53.25	---	74.00	20.75	H	11.6

High Channel: 2462MHz(1GHz-10GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6°C
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

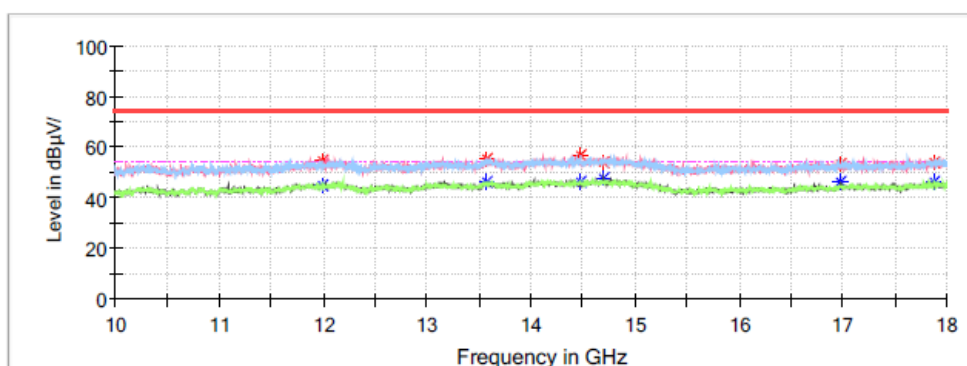
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1066.600000	39.00	---	74.00	35.00	V	-15.0
1066.600000	---	26.11	54.00	27.89	V	-15.0
2125.900000	43.39	---	74.00	30.61	V	-9.9
2125.900000	---	32.40	54.00	21.60	V	-9.9
4248.100000	44.73	---	74.00	29.27	V	-4.6
4248.100000	---	35.28	54.00	18.72	V	-4.6
4924.000000	---	52.93	54.00	1.07	H	-3.1
4924.000000	59.61	---	74.00	14.39	H	-3.1
7386.300000	54.95	---	74.00	19.05	V	2.6
7386.300000	---	51.19	54.00	2.81	V	2.6
9848.800000	---	46.15	54.00	7.85	V	5.9
9848.800000	52.58	---	74.00	21.42	V	5.9

High Channel: 2462MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

Full Spectrum

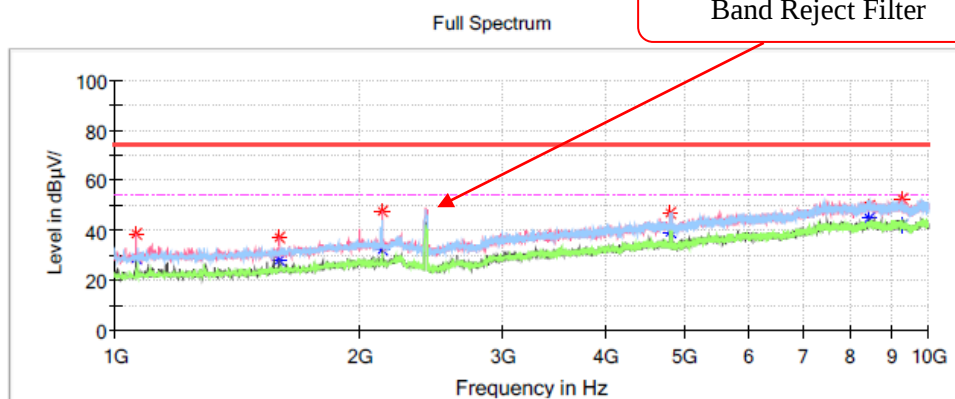
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11985.600000	54.85	---	74.00	19.15	H	9.0
11985.600000	---	44.62	54.00	9.38	H	9.0
13571.200000	---	45.84	54.00	8.16	V	10.1
13571.200000	55.32	---	74.00	18.68	V	10.1
14475.200000	---	45.90	54.00	8.10	V	11.9
14475.200000	56.33	---	74.00	17.67	V	11.9
14705.600000	---	47.35	54.00	6.65	V	11.3
14705.600000	53.98	---	74.00	20.02	V	11.3
16977.600000	---	46.06	54.00	7.94	V	10.9
16977.600000	52.93	---	74.00	21.07	V	10.9
17878.400000	53.66	---	74.00	20.34	H	11.4
17878.400000	---	45.97	54.00	8.03	H	11.4

802.11g Mode:**Low Channel: 2412MHz(1GHz-10GHz)****Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

Fundamental Test with
Band Reject Filter

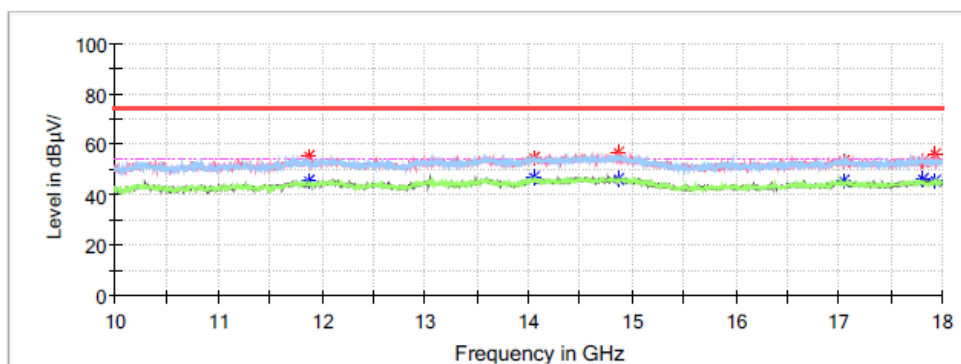
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1062.100000	38.17	---	74.00	35.83	V	-15.0
1062.100000	---	28.84	54.00	25.16	V	-15.0
1594.000000	---	28.31	54.00	25.69	V	-12.8
1594.000000	37.10	---	74.00	36.90	V	-12.8
2132.200000	47.51	---	74.00	26.49	V	-9.9
2132.200000	---	32.15	54.00	21.85	V	-9.9
4824.000000	---	39.20	54.00	14.80	H	-3.4
4824.000000	47.18	---	74.00	26.82	H	-3.4
8471.800000	---	44.94	54.00	9.06	V	4.6
8471.800000	49.68	---	74.00	24.32	V	4.6
9290.800000	---	42.05	54.00	11.95	H	4.7
9290.800000	52.21	---	74.00	21.79	H	4.7

Low Channel: 2412MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

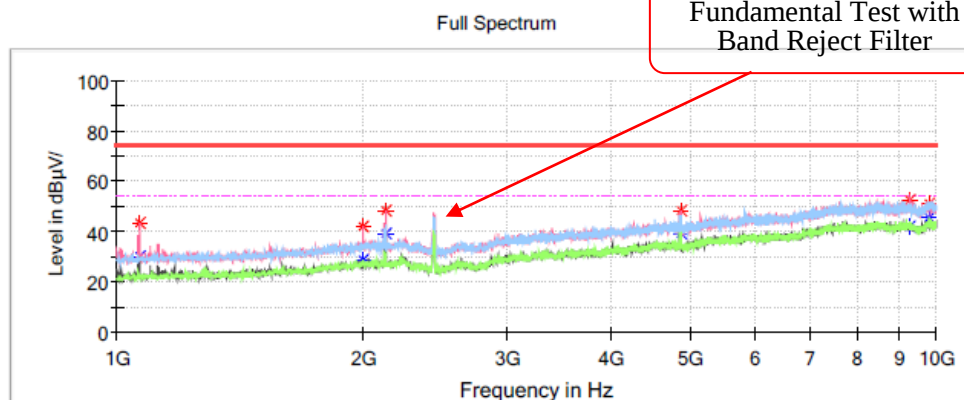
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11873.600000	---	45.12	54.00	8.88	V	8.8
11873.600000	55.25	---	74.00	18.75	V	8.8
14052.800000	---	47.05	54.00	6.95	V	11.2
14052.800000	54.59	---	74.00	19.41	V	11.2
14870.400000	---	46.19	54.00	7.81	V	10.7
14870.400000	56.46	---	74.00	17.54	V	10.7
17048.000000	53.05	---	74.00	20.95	V	10.9
17048.000000	---	45.71	54.00	8.29	V	10.9
17809.600000	53.25	---	74.00	20.75	H	11.3
17809.600000	---	45.83	54.00	8.17	H	11.3
17929.600000	---	45.50	54.00	8.50	V	11.6
17929.600000	55.86	---	74.00	18.14	V	11.6

Middle Channel: 2437MHz(1GHz-10GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

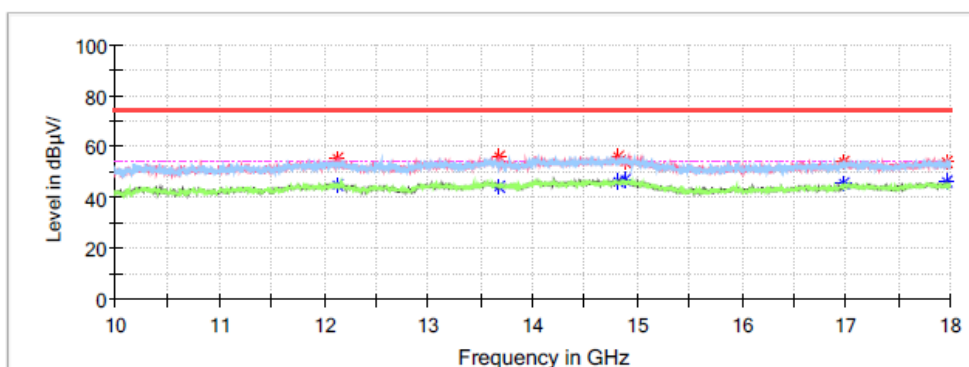
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1064.800000	---	29.74	54.00	24.26	V	-15.0
1064.800000	43.42	---	74.00	30.58	V	-15.0
1994.500000	---	28.52	54.00	25.48	V	-10.0
1994.500000	42.21	---	74.00	31.79	V	-10.0
2132.200000	---	39.14	54.00	14.86	V	-9.9
2132.200000	48.58	---	74.00	25.42	V	-9.9
4874.000000	---	39.37	54.00	14.63	H	-3.2
4874.000000	48.19	---	74.00	25.81	H	-3.2
9307.900000	---	42.27	54.00	11.73	V	4.7
9307.900000	52.23	---	74.00	21.77	V	4.7
9820.000000	---	45.44	54.00	8.56	H	5.8
9820.000000	51.24	---	74.00	22.76	H	5.8

Middle Channel: 2437MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

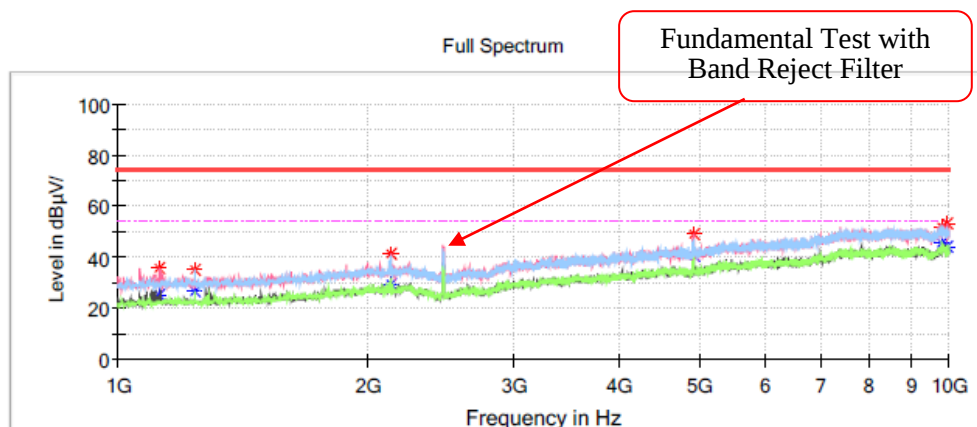
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12129.600000	---	44.73	54.00	9.27	V	9.0
12129.600000	54.96	---	74.00	19.04	V	9.0
13673.600000	56.06	---	74.00	17.94	V	10.4
13673.600000	---	44.20	54.00	9.80	V	10.4
14812.800000	---	45.93	54.00	8.07	V	10.9
14812.800000	56.28	---	74.00	17.72	V	10.9
14886.400000	---	47.08	54.00	6.92	H	10.7
14886.400000	53.67	---	74.00	20.33	H	10.7
16979.200000	---	45.56	54.00	8.44	V	10.9
16979.200000	53.58	---	74.00	20.42	V	10.9
17969.600000	53.53	---	74.00	20.47	V	11.7
17969.600000	---	45.85	54.00	8.15	V	11.7

High Channel: 2462MHz(1GHz-10GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

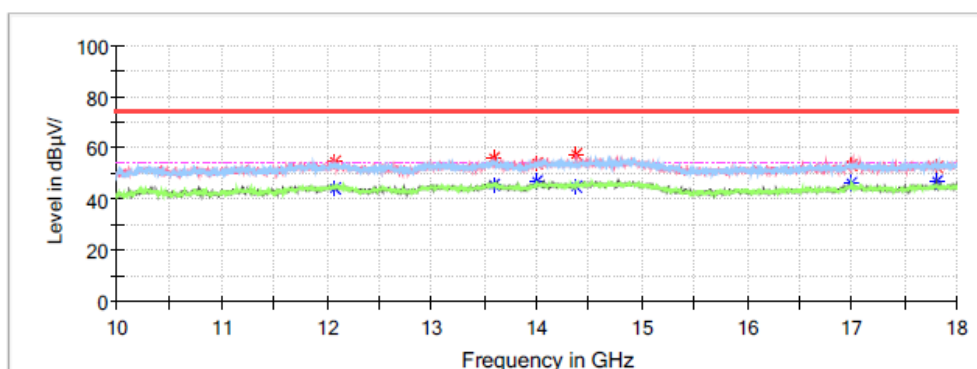
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1119.700000	---	25.40	54.00	28.60	V	-14.8
1119.700000	35.83	---	74.00	38.17	V	-14.8
1235.800000	34.66	---	74.00	39.34	H	-14.4
1235.800000	---	26.29	54.00	27.71	H	-14.4
2130.400000	41.42	---	74.00	32.58	V	-9.9
2130.400000	---	29.20	54.00	24.80	V	-9.9
4924.000000	---	40.46	54.00	13.54	V	-3.1
4924.000000	48.92	---	74.00	25.08	V	-3.1
9828.100000	---	45.38	54.00	8.62	H	5.8
9828.100000	51.92	---	74.00	22.08	H	5.8
9940.600000	---	43.99	54.00	10.01	V	6.2
9940.600000	53.06	---	74.00	20.94	V	6.2

High Channel: 2462MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

Full Spectrum

**Critical Freqs**

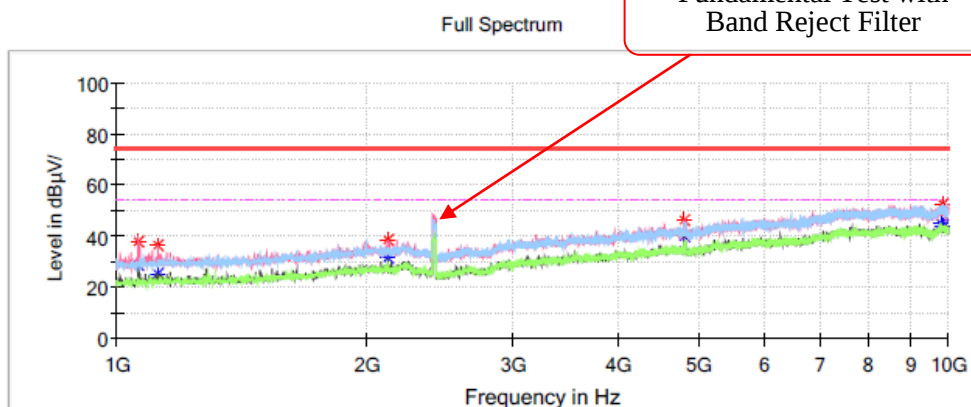
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12072.000000	---	44.32	54.00	9.68	V	9.0
12072.000000	54.79	---	74.00	19.21	V	9.0
13593.600000	---	45.20	54.00	8.80	V	10.2
13593.600000	55.72	---	74.00	18.28	V	10.2
14004.800000	53.67	---	74.00	20.33	H	11.1
14004.800000	---	47.01	54.00	6.99	H	11.1
14382.400000	57.05	---	74.00	16.95	V	11.8
14382.400000	---	45.05	54.00	8.95	V	11.8
17003.200000	---	46.01	54.00	7.99	H	11.0
17003.200000	52.85	---	74.00	21.15	H	11.0
17804.800000	---	46.76	54.00	7.24	V	11.2
17804.800000	52.39	---	74.00	21.61	V	11.2

802.11n-HT20 Mode :

Low Channel: 2412MHz(1GHz-10GHz)

Common Information

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9



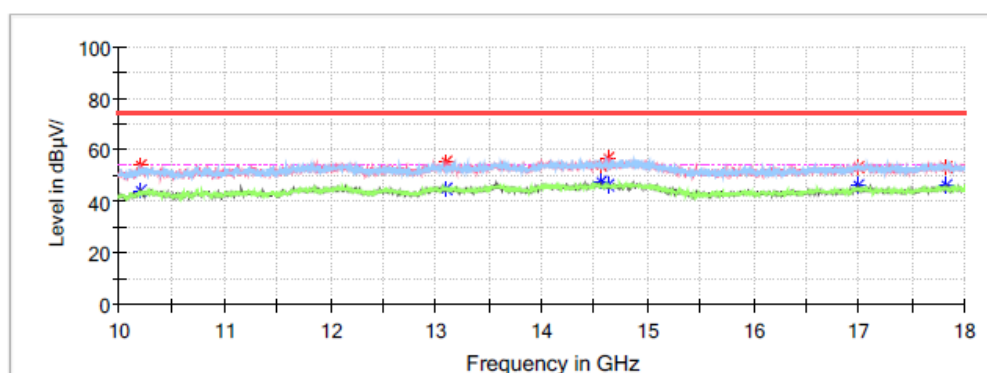
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1063.000000	---	28.93	54.00	25.07	V	-15.0
1063.000000	37.84	---	74.00	36.16	V	-15.0
1121.500000	---	25.21	54.00	28.79	V	-14.8
1121.500000	36.07	---	74.00	37.93	V	-14.8
2123.200000	---	31.22	54.00	22.78	V	-9.9
2123.200000	38.74	---	74.00	35.26	V	-9.9
4824.000000	45.91	---	74.00	28.09	V	-3.4
4824.000000	---	40.00	54.00	14.00	V	-3.4
9793.900000	---	44.54	54.00	9.46	H	5.7
9793.900000	48.77	---	74.00	25.23	H	5.7
9842.500000	---	43.73	54.00	10.27	H	5.9
9842.500000	52.59	---	74.00	21.41	H	5.9

Low Channel: 2412MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

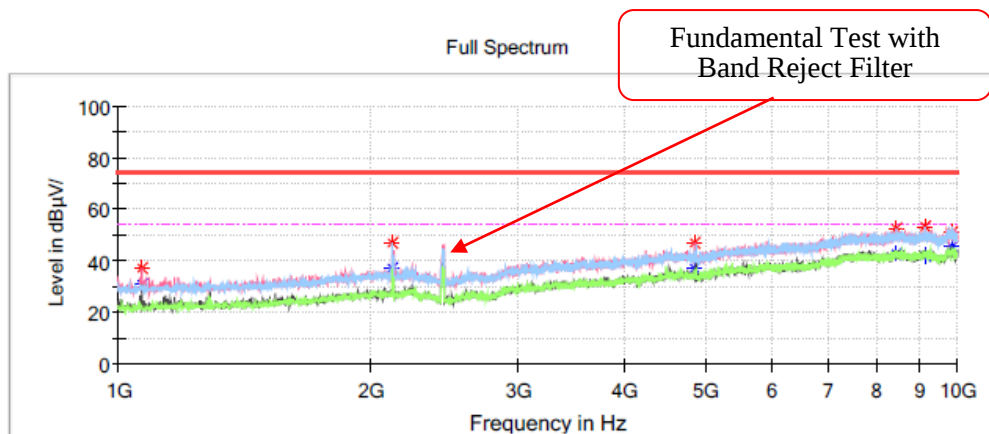
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
10211.200000	---	43.84	54.00	10.16	V	6.5
10211.200000	53.51	---	74.00	20.49	V	6.5
13092.800000	---	44.51	54.00	9.49	V	9.3
13092.800000	54.94	---	74.00	19.06	V	9.3
14568.000000	---	47.37	54.00	6.63	V	11.7
14568.000000	53.60	---	74.00	20.40	V	11.7
14630.400000	---	46.24	54.00	7.76	V	11.5
14630.400000	56.60	---	74.00	17.40	V	11.5
16996.800000	52.97	---	74.00	21.03	V	10.9
16996.800000	---	45.92	54.00	8.08	V	10.9
17828.800000	---	46.05	54.00	7.95	H	11.3
17828.800000	53.22	---	74.00	20.78	H	11.3

Middle Channel: 2437MHz (1GHz-10GHz)**Common Information**

Project No.: RKSA250626001
 EUT Model: MB315
 Test Mode: 2.4G WIFI 802.11n20 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 25.6°C
 Humidity: 50%
 Atmospheric Pressure: 101.3kPa
 Test Engineer: Destine Hu
 Test Date: 2025/9/9

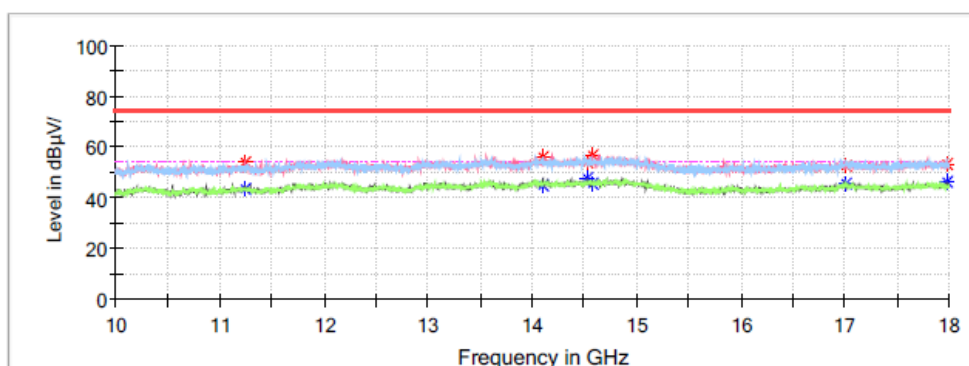
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1065.700000	---	31.08	54.00	22.92	V	-15.0
1065.700000	37.10	---	74.00	36.90	V	-15.0
2123.200000	---	37.32	54.00	16.68	H	-9.9
2123.200000	46.96	---	74.00	27.04	H	-9.9
4874.000000	---	37.22	54.00	16.78	V	-3.2
4874.000000	46.50	---	74.00	27.50	V	-3.2
8467.300000	---	42.77	54.00	11.23	H	4.6
8467.300000	52.18	---	74.00	21.82	H	4.6
9141.400000	53.11	---	74.00	20.89	H	4.7
9141.400000	---	42.02	54.00	11.98	H	4.7
9843.400000	50.70	---	74.00	23.30	V	5.9
9843.400000	---	45.43	54.00	8.57	V	5.9

Middle Channel: 2437MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
 EUT Model: MB315
 Test Mode: 2.4G WIFI 802.11n20 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 25.6℃
 Humidity: 50%
 Atmospheric Pressure: 101.3kPa
 Test Engineer: Destine Hu
 Test Date: 2025/9/9

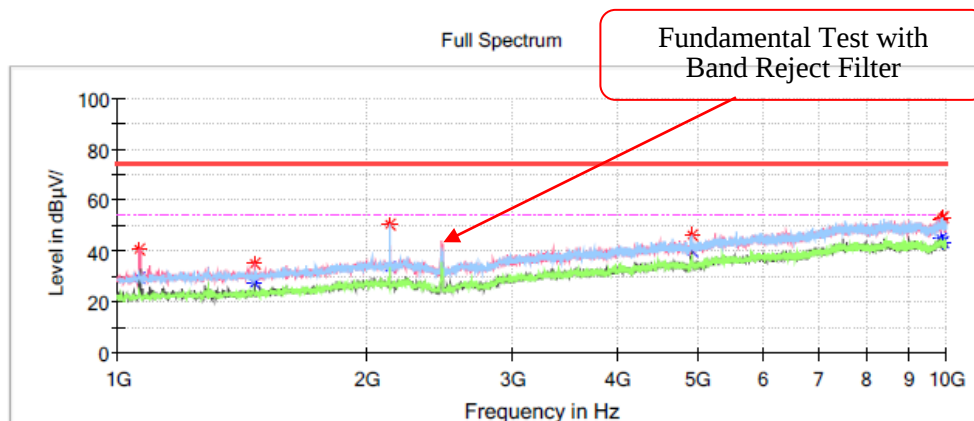
Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11240.000000	53.76	---	74.00	20.24	V	7.3
11240.000000	---	43.26	54.00	10.74	V	7.3
14100.800000	---	44.93	54.00	9.07	V	11.3
14100.800000	56.29	---	74.00	17.71	V	11.3
14532.800000	53.82	---	74.00	20.18	V	11.9
14532.800000	---	47.49	54.00	6.51	V	11.9
14585.600000	56.61	---	74.00	17.39	H	11.7
14585.600000	---	45.53	54.00	8.47	H	11.7
17019.200000	---	45.54	54.00	8.46	V	10.9
17019.200000	52.40	---	74.00	21.60	V	10.9
17988.800000	---	46.38	54.00	7.62	V	11.7
17988.800000	53.07	---	74.00	20.93	V	11.7

High Channel: 2462MHz(1GHz-10GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11n20 mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

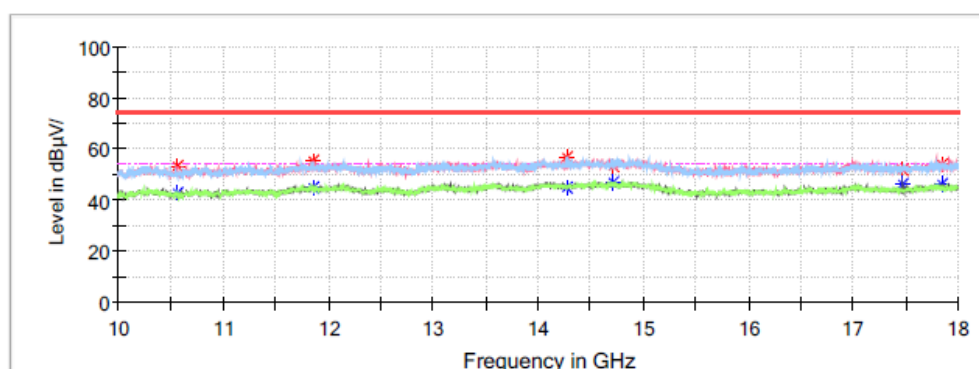
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1063.000000	---	29.54	54.00	24.46	V	-15.0
1063.000000	40.67	---	74.00	33.33	V	-15.0
1460.800000	---	27.28	54.00	26.72	V	-13.6
1460.800000	34.75	---	74.00	39.25	V	-13.6
2129.500000	---	33.66	54.00	20.34	H	-9.9
2129.500000	50.25	---	74.00	23.75	H	-9.9
4924.000000	46.13	---	74.00	27.87	H	-3.1
4924.000000	---	40.10	54.00	13.90	H	-3.1
9832.600000	---	44.95	54.00	9.05	H	5.8
9832.600000	52.64	---	74.00	21.36	H	5.8
9920.800000	---	43.02	54.00	10.98	V	6.1
9920.800000	52.85	---	74.00	21.15	V	6.1

High Channel: 2462MHz(10GHz-18GHz)**Common Information**

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11n20 mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.6℃
Humidity: 50%
Atmospheric Pressure: 101.3kPa
Test Engineer: Destine Hu
Test Date: 2025/9/9

Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
10556.800000	53.48	---	74.00	20.52	V	6.7
10556.800000	---	42.50	54.00	11.50	V	6.7
11849.600000	---	44.57	54.00	9.43	V	8.8
11849.600000	55.27	---	74.00	18.73	V	8.8
14264.000000	---	45.01	54.00	8.99	H	11.6
14264.000000	56.30	---	74.00	17.70	H	11.6
14713.600000	---	47.19	54.00	6.81	H	11.2
14713.600000	53.42	---	74.00	20.58	H	11.2
17480.000000	52.07	---	74.00	21.93	V	10.4
17480.000000	---	45.82	54.00	8.18	V	10.4
17840.000000	53.76	---	74.00	20.24	V	11.3
17840.000000	---	46.11	54.00	7.89	V	11.3

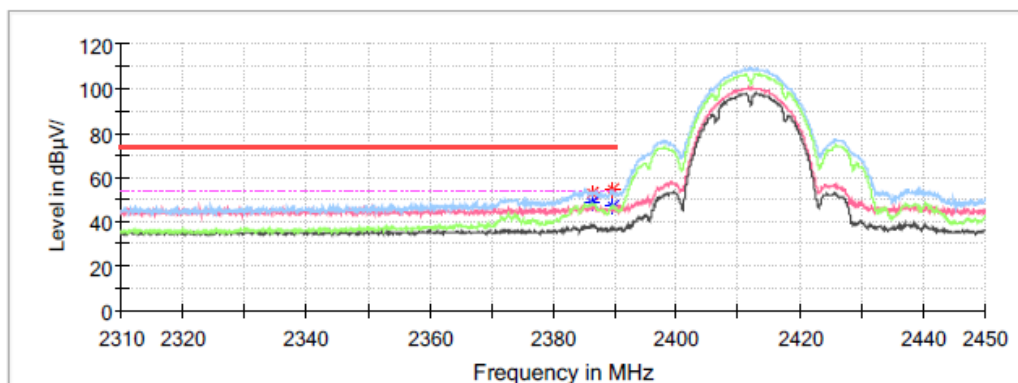
Band Edge:
802.11b Mode:

Low Channel

Common Information

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9°C
Humidity: 53%
Atmospheric Pressure: 100.8kPa
Test Engineer: Destine Hu
Test Date: 2025/7/11

Full Spectrum



Critical Freqs

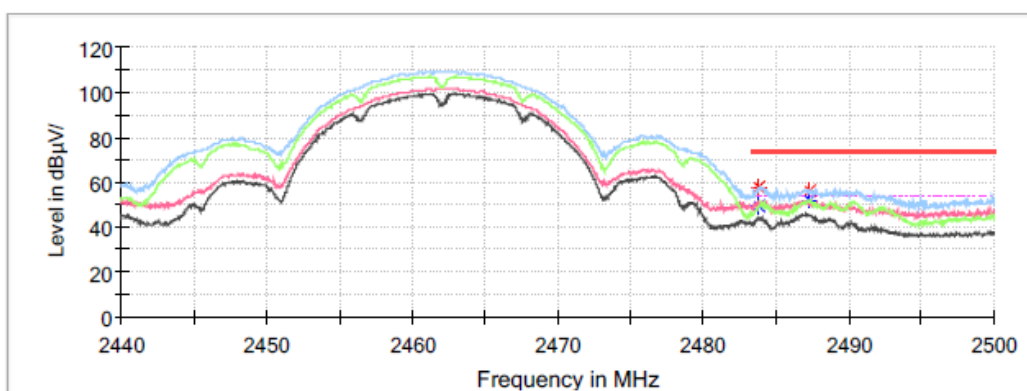
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2386.272000	---	48.27	54.00	5.73	H	0.2
2386.272000	52.63	---	74.00	21.37	H	0.2
2389.688000	---	46.98	54.00	7.02	H	0.2
2389.688000	54.36	---	74.00	19.64	H	0.2

High Channel

Common Information

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11b mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9℃
Humidity: 53%
Atmospheric Pressure: 100.8kPa
Test Engineer: Destine Hu
Test Date: 2025/7/11

Full Spectrum



Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.872000	58.22	---	74.00	15.78	H	0.4
2483.872000	---	49.62	54.00	4.38	H	0.4
2487.304000	55.94	---	74.00	18.06	H	0.4
2487.304000	---	51.69	54.00	2.31	H	0.4

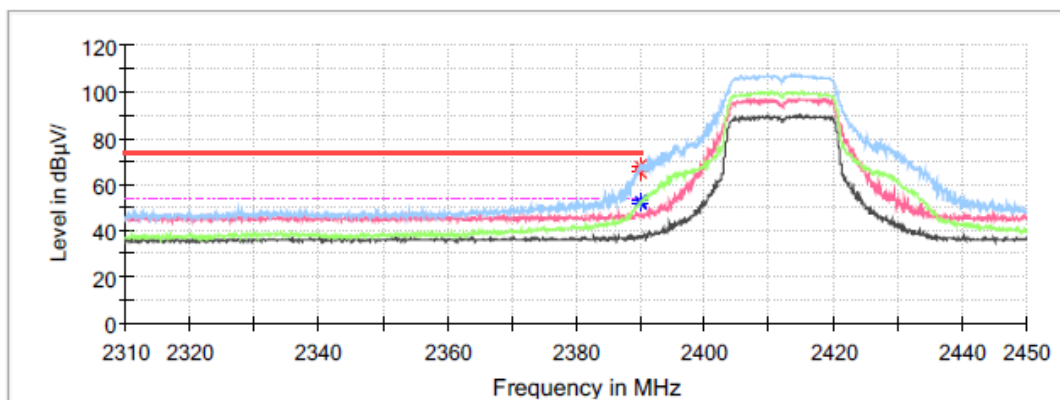
802.11g Mode :

Low Channel

Common Information

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9℃
Humidity: 53%
Atmospheric Pressure: 100.8kPa
Test Engineer: Destine Hu
Test Date: 2025/7/11

Full Spectrum



Critical Freqs

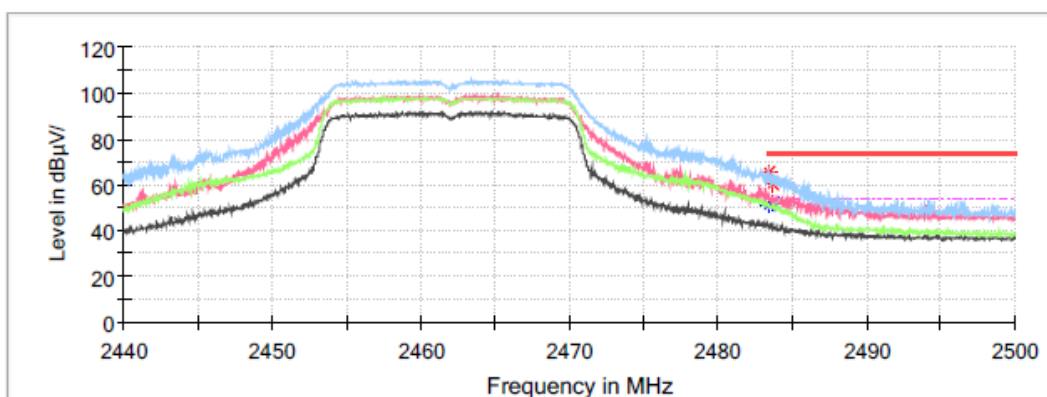
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.856000	68.35	---	74.00	5.65	H	0.2
2389.856000	---	52.36	54.00	1.64	H	0.2
2389.968000	65.54	---	74.00	8.46	H	0.2
2389.968000	---	52.76	54.00	1.24	H	0.2

High Channel

Common Information

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11g mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9℃
Humidity: 53%
Atmospheric Pressure: 100.8kPa
Test Engineer: Destine Hu
Test Date: 2025/7/11

Full Spectrum



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.512000	65.35	---	74.00	8.65	H	0.4
2483.512000	---	51.54	54.00	2.46	H	0.4
2483.680000	60.48	---	74.00	13.52	H	0.4
2483.680000	---	51.71	54.00	2.29	H	0.4

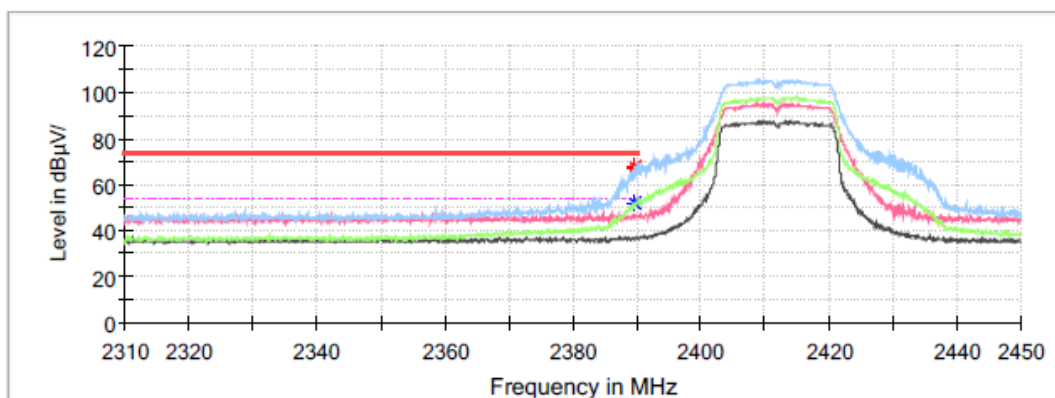
802.11n-HT20 Mode:

Low Channel

Common Information

Project No.: RKSA250626001
EUT Model: MB315
Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 25.9℃
Humidity: 53%
Atmospheric Pressure: 100.8kPa
Test Engineer: Destine Hu
Test Date: 2025/7/11

Full Spectrum



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.576000	---	52.30	54.00	1.70	H	0.2
2389.576000	67.47	---	74.00	6.53	H	0.2
2389.744000	---	52.13	54.00	1.87	H	0.2
2389.744000	68.21	---	74.00	5.79	H	0.2

High Channel

Common Information

Project No.:RKSA250626001

EUT Model:MB315

Test Mode:2.4G WIFI 802.11n20 mode High Channel

Standard:FCC Part 15.247& FCC Part 15.205& FCC Part 15.209

Test Equipment:ESU40,3115,PAM-0118P

Receiver Setting:RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto

Temperature:25.9℃

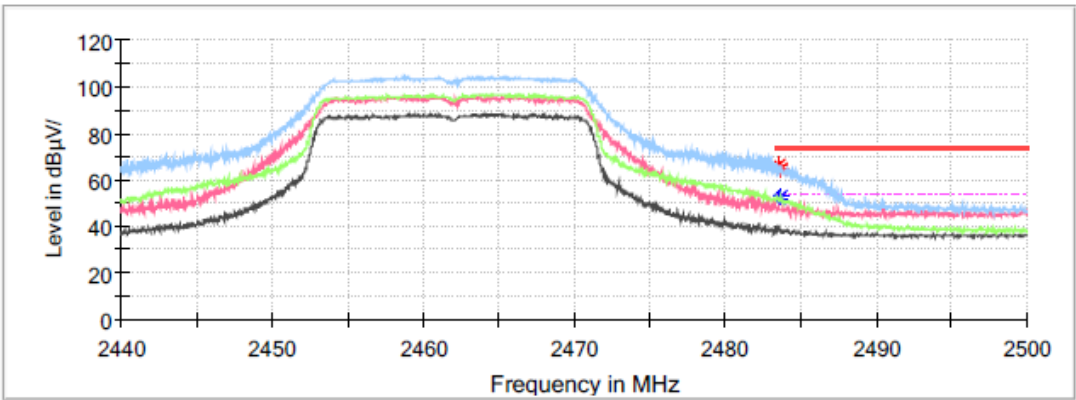
Humidity:53%

Atmospheric Pressure:100.8kPa

Test Engineer:Destine Hu

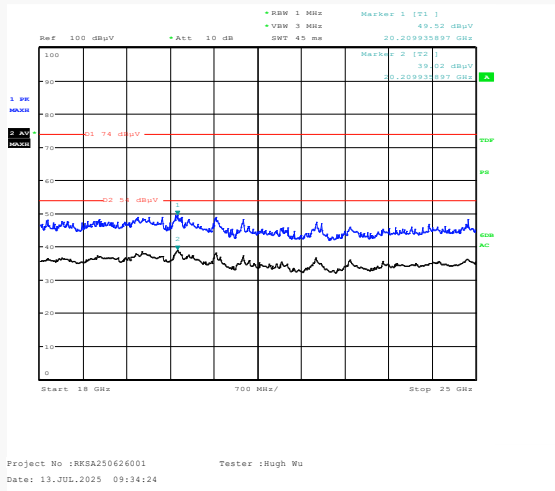
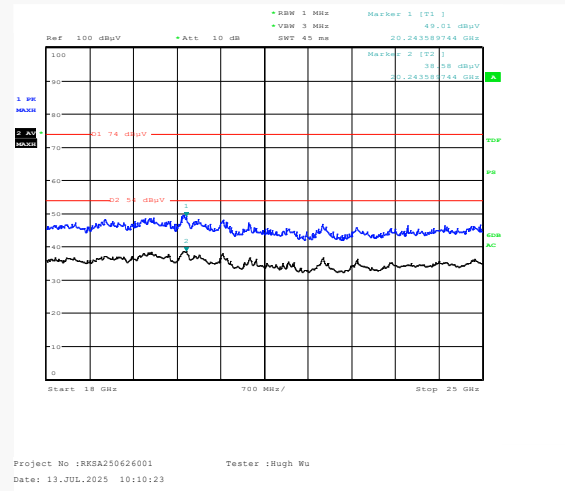
Test Date:2025/7/11

Full Spectrum



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.560000	66.38	---	74.00	7.62	H	0.4
2483.560000	---	51.83	54.00	2.17	H	0.4
2483.752000	64.70	---	74.00	9.30	H	0.4
2483.752000	---	52.54	54.00	1.46	H	0.4

18GHz-25GHz: Transmitting in maximum output power mode and 802.11b mode middle channel**Horizontal****Vertical**

Frequency (GHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
20.21	---	39.02	54	14.98	H	12.47
20.21	49.52	---	74	24.48	H	12.47
20.24	---	38.58	54	15.42	V	12.5
20.24	49.01	---	74	24.99	V	12.5

Note: The test distance is 3m. The limit is 74dB μ V/m (Peak) and 54dB μ V/m (Average).

6 dB EMISSION BANDWIDTH**Environmental Conditions & Test Information**

Test Date:	2025-07-17~ 2025-07-18
Temperature:	24.1 °C ~26 °C
Relative Humidity:	59% ~ 60 %
ATM Pressure:	100.7 kPa ~ 101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

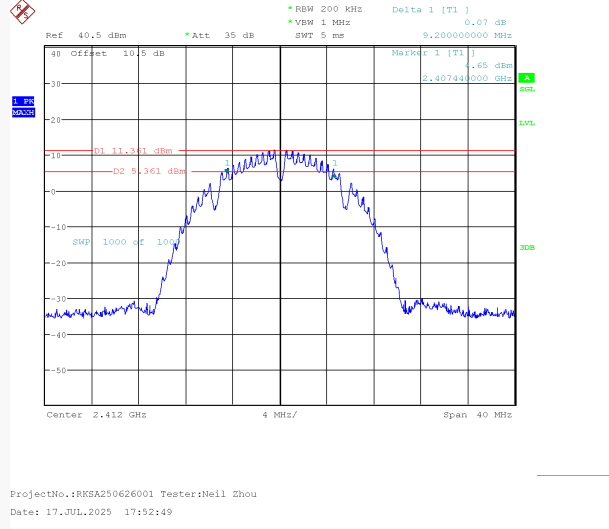
Test Result: Compliant.

EUT operation mode: Transmitting

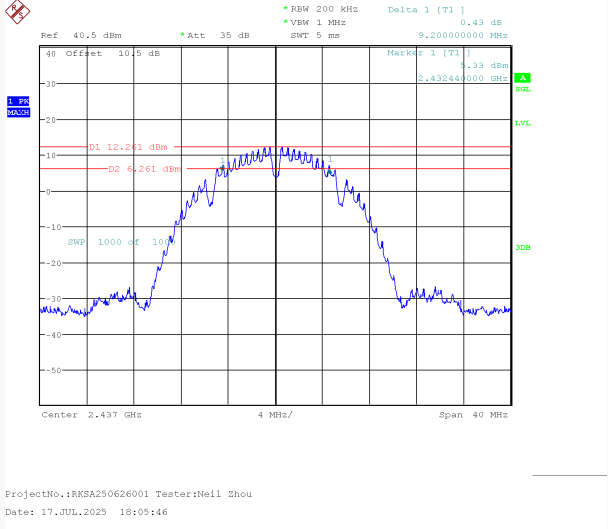
For Wi-Fi Mode:

Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)	Result
802.11b Mode				
Low	2412	9.200	≥ 0.5	Pass
Middle	2437	9.200	≥ 0.5	Pass
High	2462	9.240	≥ 0.5	Pass
802.11g Mode				
Low	2412	16.480	≥ 0.5	Pass
Middle	2437	16.480	≥ 0.5	Pass
High	2462	16.480	≥ 0.5	Pass
802.11n-HT20 Mode				
Low	2412	17.760	≥ 0.5	Pass
Middle	2437	17.680	≥ 0.5	Pass
High	2462	17.720	≥ 0.5	Pass

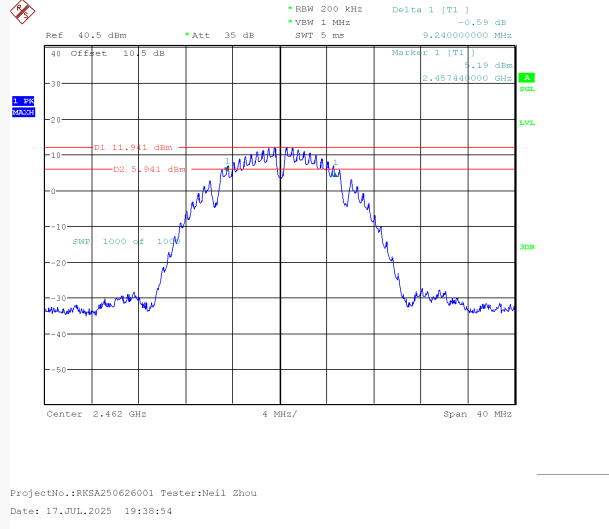
802.11b_2412MHz



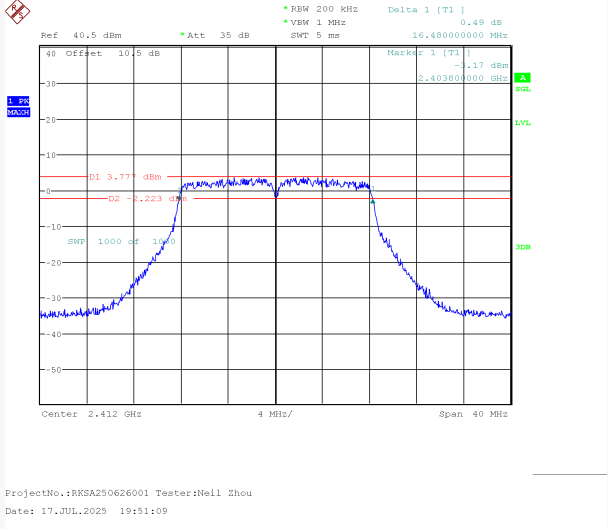
802.11b_2437MHz



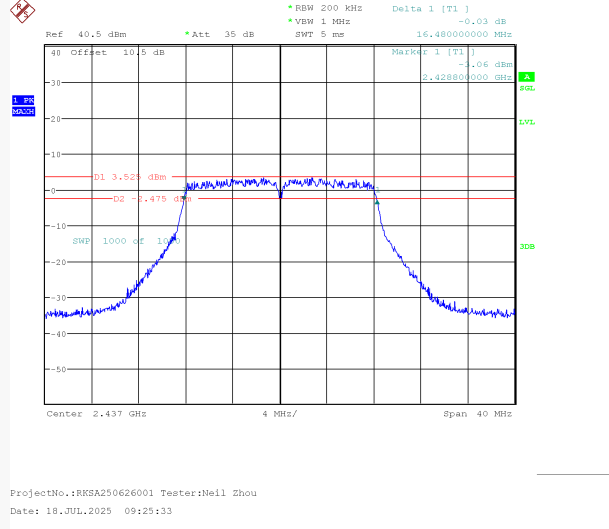
802.11b_2462MHz



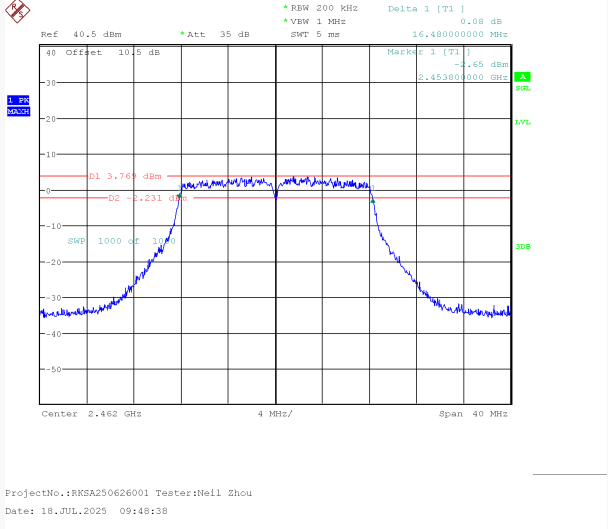
802.11g_2412MHz



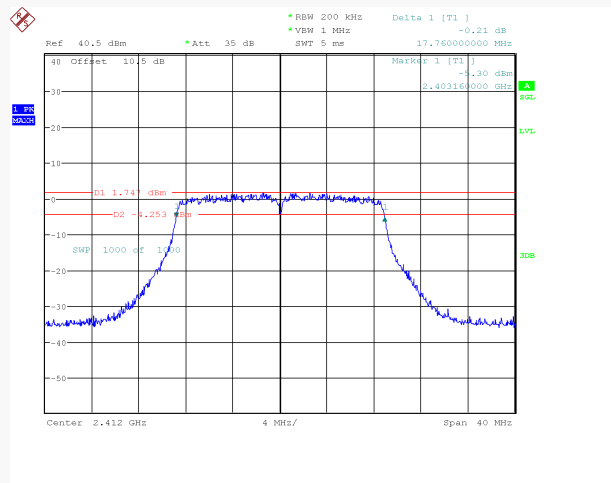
802.11g_2437MHz



802.11g_2462MHz

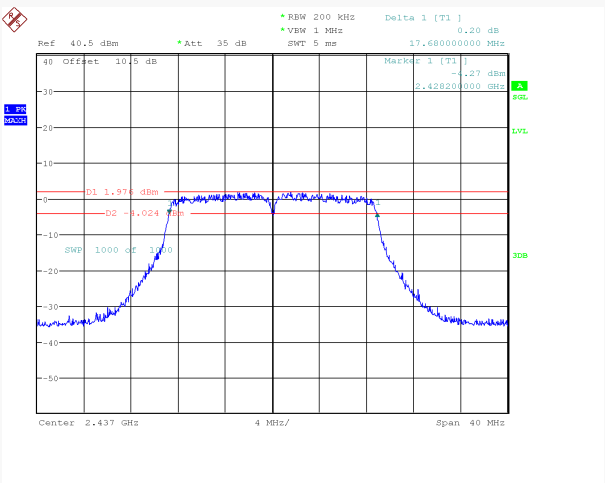


802.11n20_2412MHz



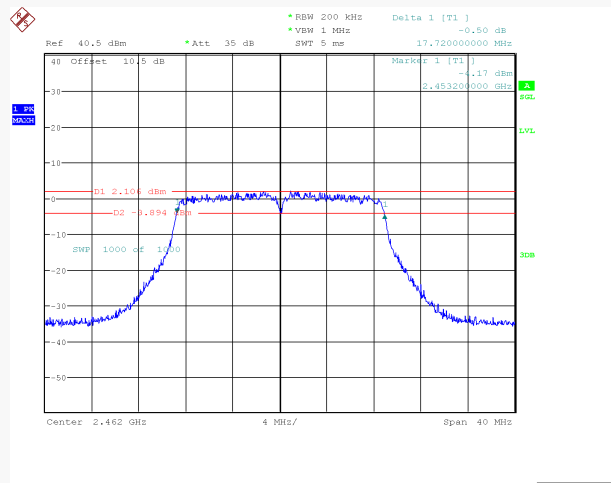
ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:03:48

802.11n20_2437MHz



ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:19:52

802.11n20_2462MHz



ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:35:35

MAXIMUM CONDUCTED OUTPUT POWER**Environmental Conditions & Test Information**

Test Date:	2025-07-17~ 2025-07-18
Temperature:	24.1 °C ~ 26 °C
Relative Humidity:	59% ~ 60 %
ATM Pressure:	100.7 kPa ~ 101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

Test Result: Compliant.

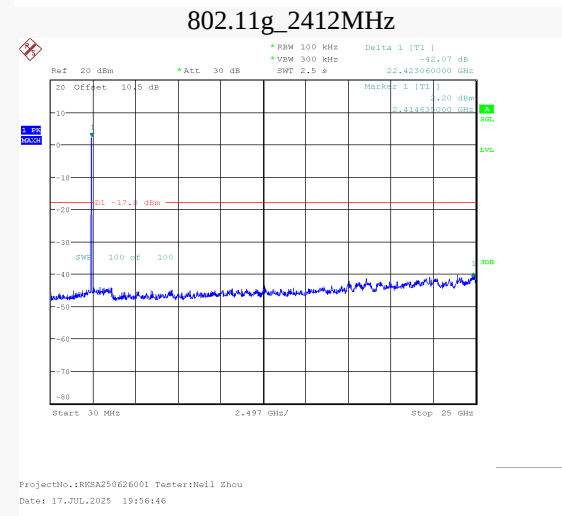
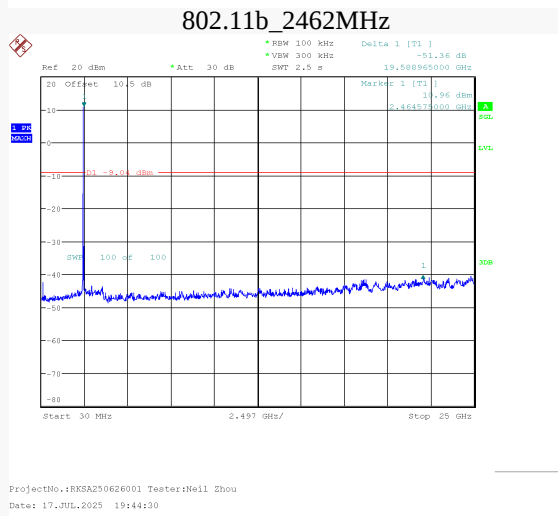
EUT operation mode: Transmitting

For Wi-Fi Mode:

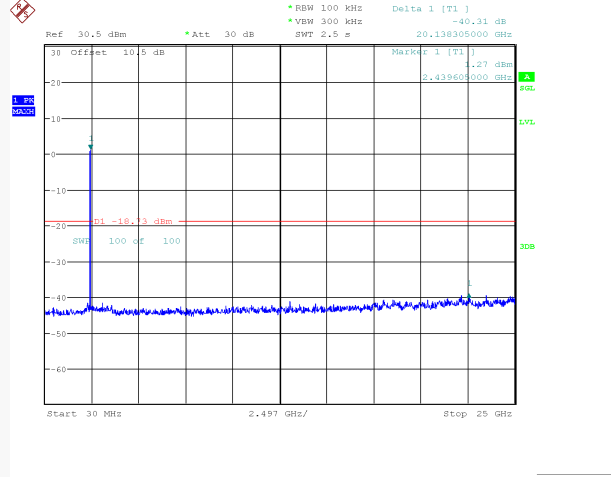
Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Peak Output Power Limit (dBm)
802.11b Mode			
Low	2412	22.210	≤30
Middle	2437	23.300	≤30
High	2462	22.610	≤30
802.11g Mode			
Low	2412	19.830	≤30
Middle	2437	19.976	≤30
High	2462	20.102	≤30
802.11n-HT20 Mode			
Low	2412	18.806	≤30
Middle	2437	19.214	≤30
High	2462	19.266	≤30

Environmental Conditions & Test Information

Test Date:	2025-07-17~ 2025-07-18
Temperature:	24.1 °C ~26 °C
Relative Humidity:	59% ~ 60 %
ATM Pressure:	100.7 kPa ~ 101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

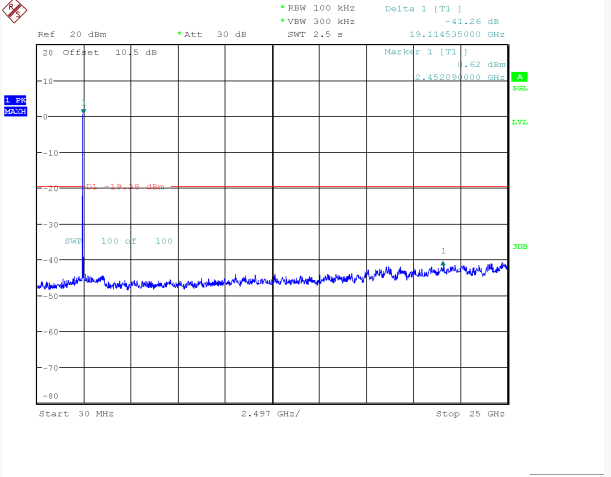


802.11g_2437MHz



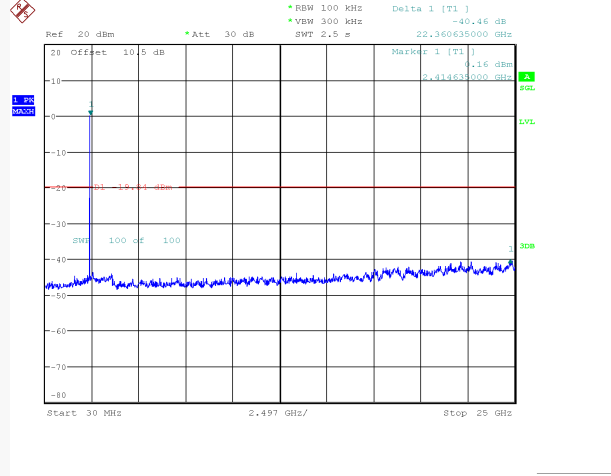
ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 09:39:47

802.11g_2462MHz



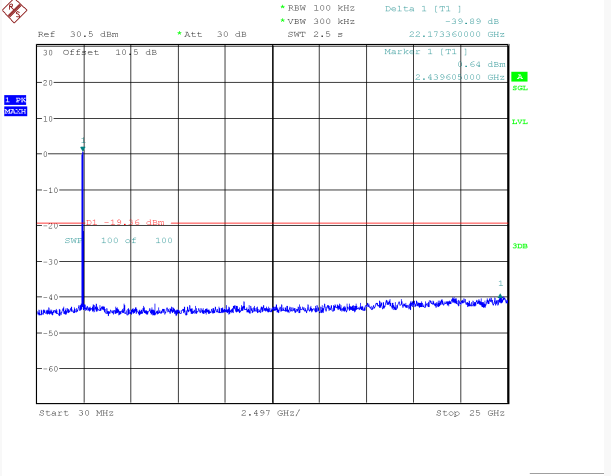
ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 09:55:13

802.11n20_2412MHz



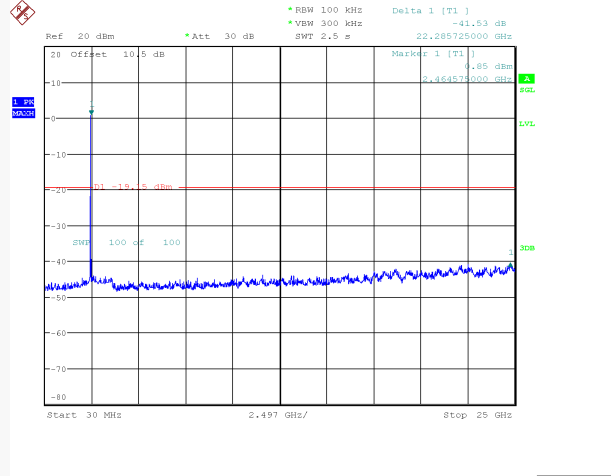
ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:09:24

802.11n20_2437MHz



ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:26:10

802.11n20_2462MHz



ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:41:12

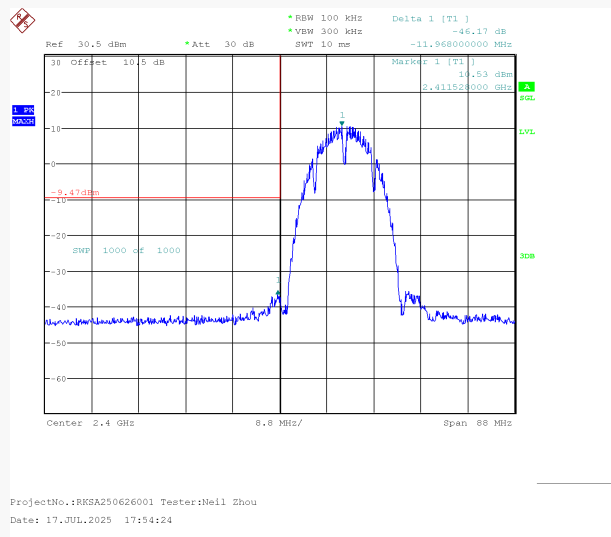
100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE**Environmental Conditions & Test Information**

Test Date:	2025-07-17~ 2025-07-18
Temperature:	24.1 °C ~ 26 °C
Relative Humidity:	59% ~ 60 %
ATM Pressure:	100.7 kPa ~ 101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

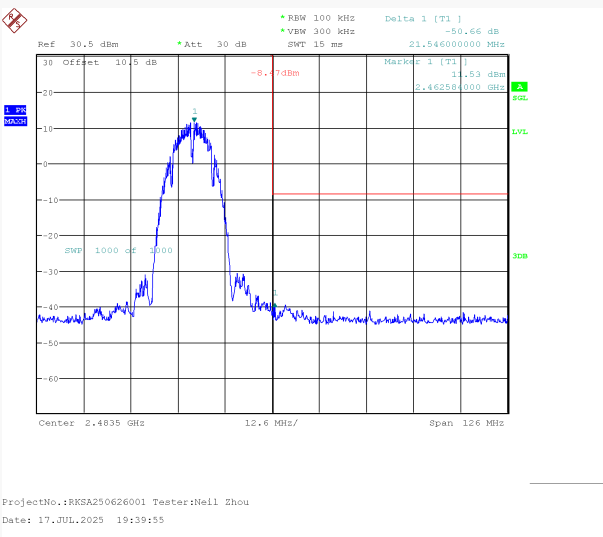
*EUT operation mode: Transmitting***Test Result:** Compliant

Mode	Channel	Test Frequency (MHz)	Result (dB)	Limit (dB)
802.11b	Low	2412	46.17	20
	High	2462	50.66	20
802.11g	Low	2412	33.85	20
	High	2462	43.54	20
802.11n20	Low	2412	31.24	20
	High	2462	41.93	20

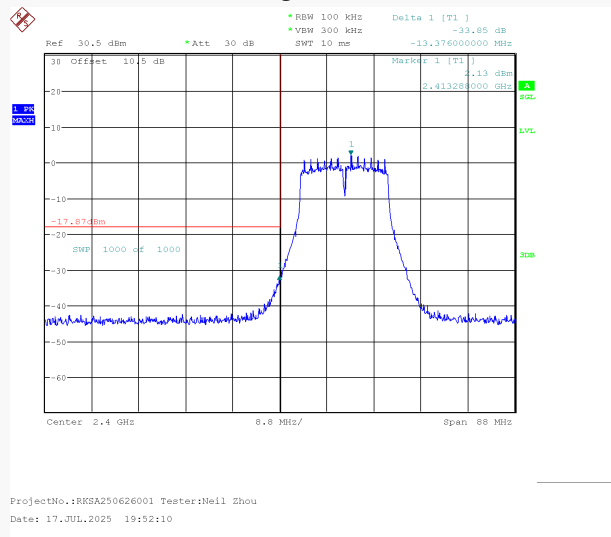
802.11b_2412MHz



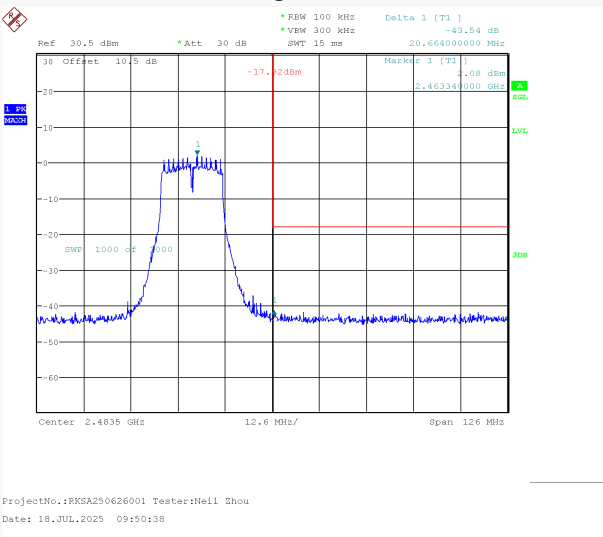
802.11b_2462MHz



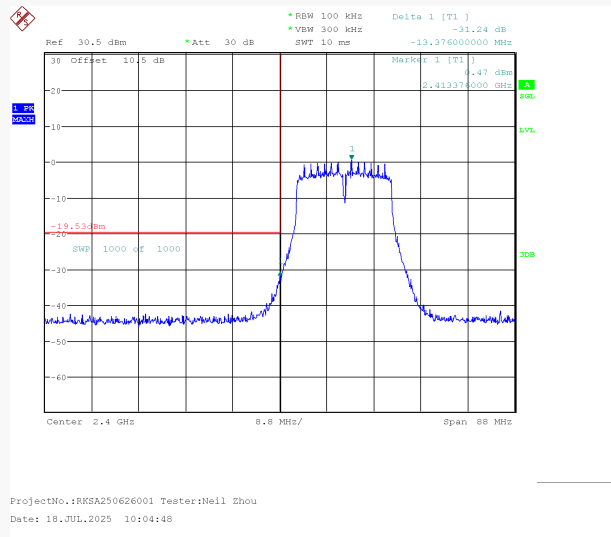
802.11g_2412MHz



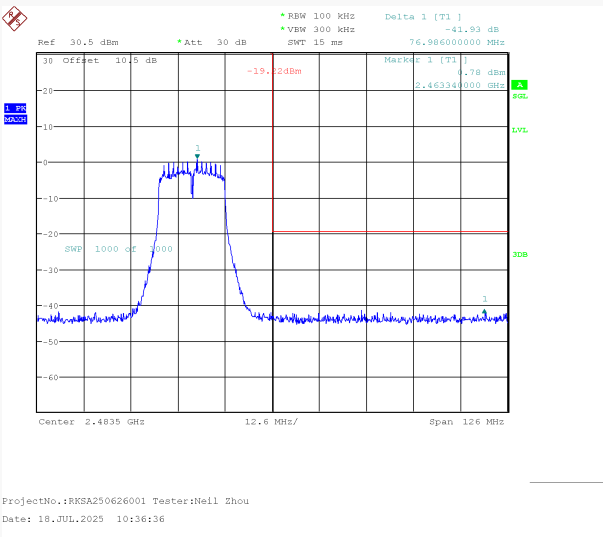
802.11g_2462MHz



802.11n20_2412MHz



802.11n20_2462MHz



POWER SPECTRAL DENSITY**Environmental Conditions & Test Information**

Test Date:	2025-07-17~ 2025-07-18
Temperature:	24.1 °C ~ 26 °C
Relative Humidity:	59% ~ 60 %
ATM Pressure:	100.7 kPa ~ 101.1 kPa
Test Result:	Pass
Test Engineer:	Neil Zhou

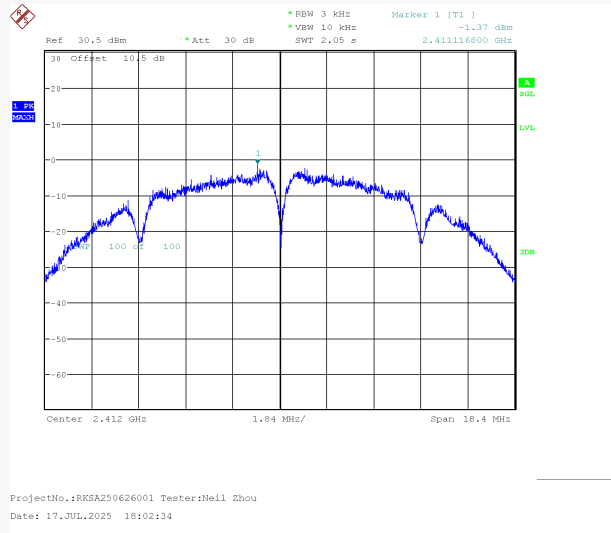
Test Result: Compliant.

EUT operation mode: Transmitting

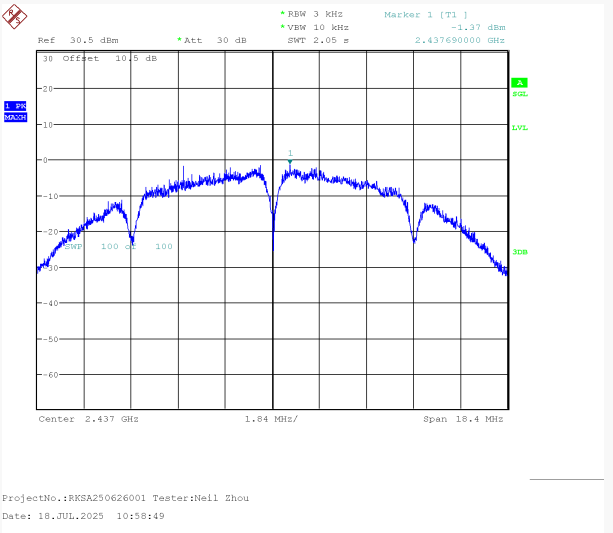
For Wi-Fi Mode:

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
802.11b Mode				
Low	2412	-1.37	≤8	Pass
Middle	2437	-1.37	≤8	Pass
High	2462	-1.84	≤8	Pass
802.11g Mode				
Low	2412	-10.67	≤8	Pass
Middle	2437	-11.17	≤8	Pass
High	2462	-11.42	≤8	Pass
802.11n-HT20 Mode				
Low	2412	-12.01	≤8	Pass
Middle	2437	-13.20	≤8	Pass
High	2462	-12.19	≤8	Pass

802.11b_2412MHz



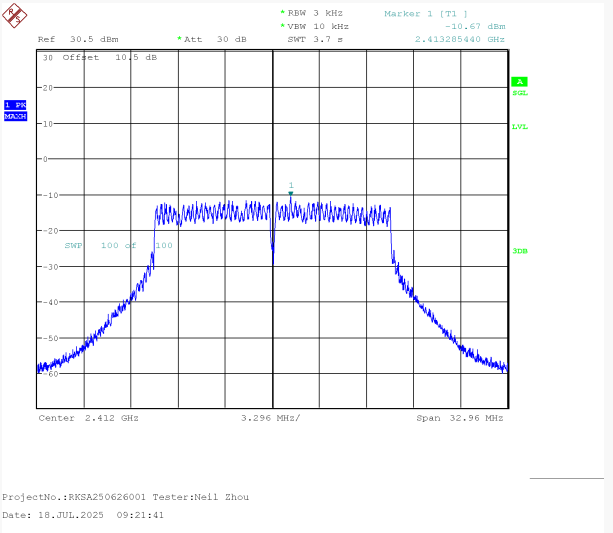
802.11b_2437MHz



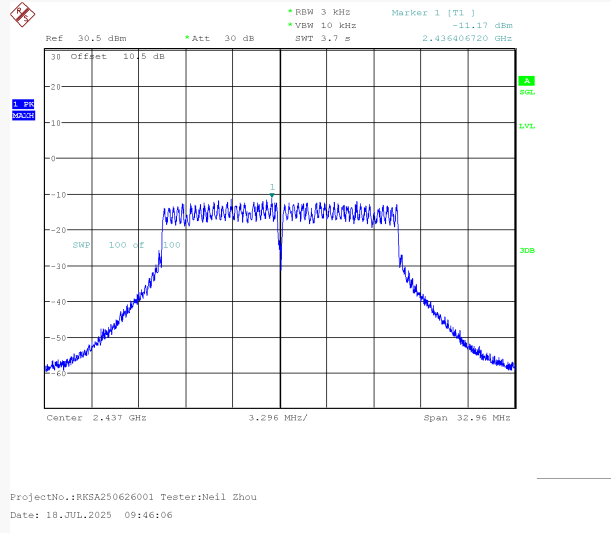
802.11b_2462MHz



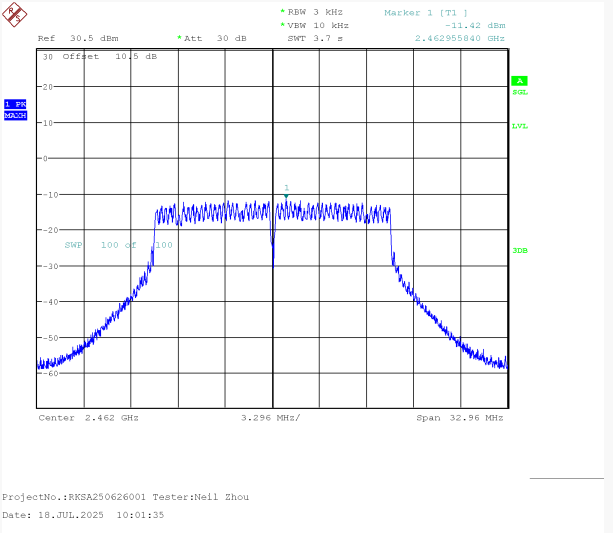
802.11g_2412MHz



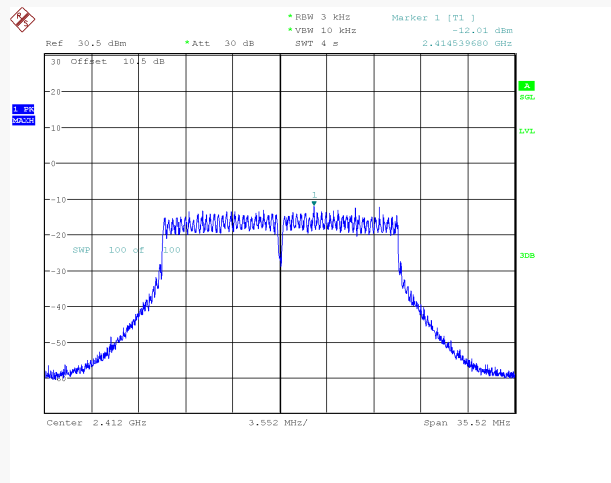
802.11g_2437MHz



802.11g_2462MHz

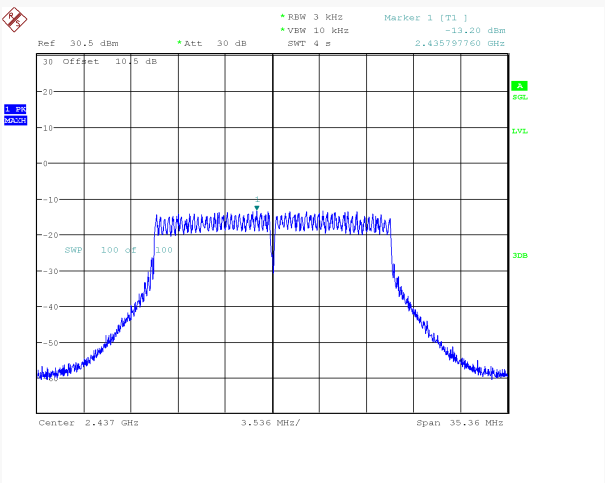


802.11n20_2412MHz



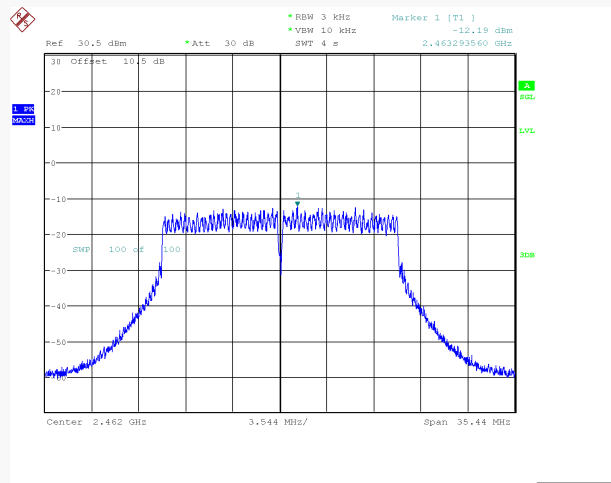
ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:16:13

802.11n20_2437MHz



ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:32:59

802.11n20_2462MHz



ProjectNo.:RKSA250626001 Tester:Neil Zhou
Date: 18.JUL.2025 10:48:04

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).
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 *******