

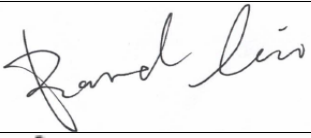

FCC PART 15.247  
TEST REPORT

For

**Miliwave Co., Ltd.**

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

**FCC ID: 2AVCWMWC-708**

<b>Report Type:</b> Original Report	<b>Product Name:</b> Wireless Router
<b>Report Number:</b>	RKSA231222003-00B
<b>Report Date:</b>	2024-02-06
<b>Reviewed By:</b>	Bard Liu 
<b>Approves By:</b>	Kyle Xu 
<b>Prepared By:</b>	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 <a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a>

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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## REPORT REVISION HISTORY

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Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA231222003-00B	R1V1	2024-02-06	Initial Release

## 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 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.*

*All measurement and test data in this report was gathered from production sample serial number: RKSA231222003-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2023-12-22.)*

### 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 C63.10-2013, 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:

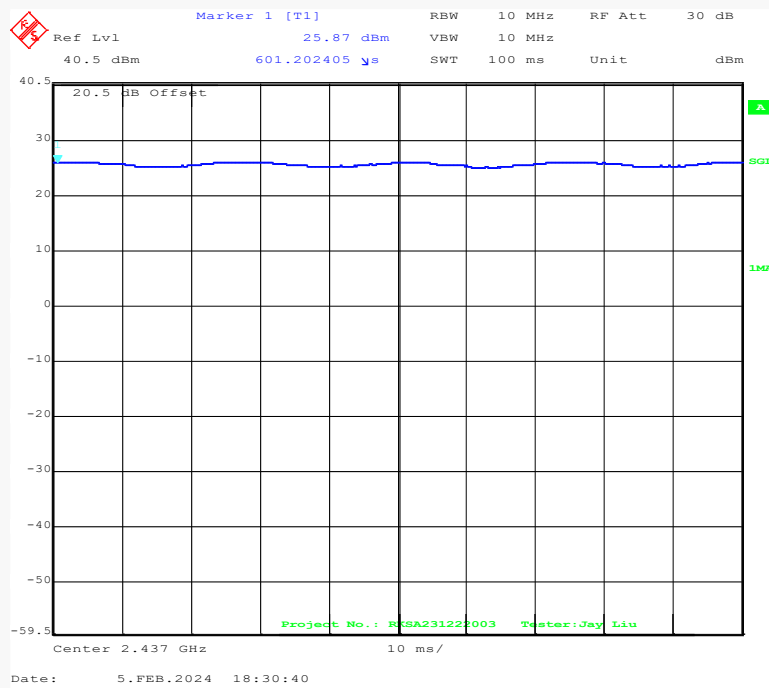
Mode	Data rate	★Power Level					
		Low Channel		Middle Channel		High Channel	
		Chain 0	Chain 1	Chain 0	Chain 1	Chain 0	Chain 1
802.11b	1Mbps	21	21	21	21	19	19
802.11g	6Mbps	16.5	16	16.5	16	14.5	16
802.11n-HT20	MCS0	14.5	14.5	14.5	14.5	13.5	13.5
802.11n-HT40	MCS0	10	10	10	10	8	8
802.11ax-HE20	MCS0	14	14	14	14	12	12
802.11ax-HE40	MCS0	9	9	9	9	7.5	7.5

Note:

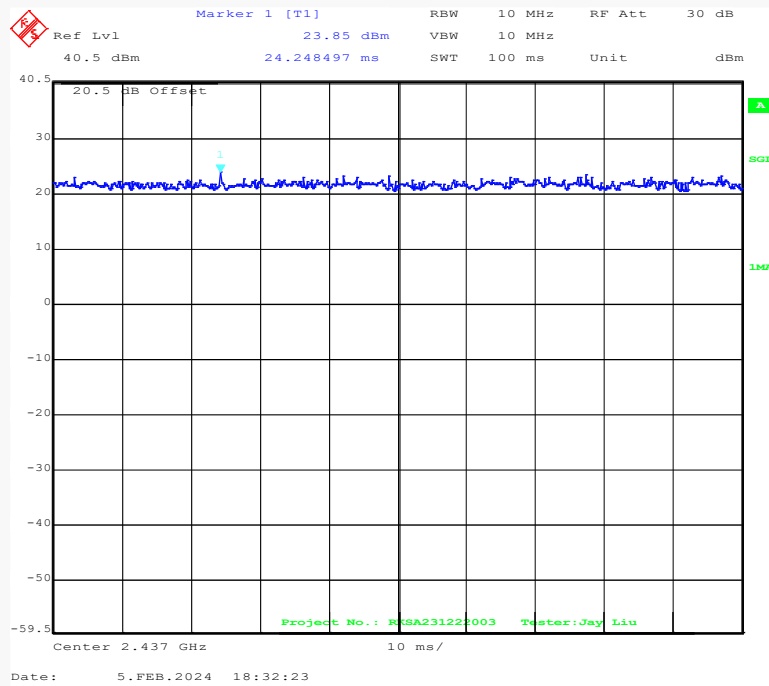
- The power level was declared by the applicant.
- 802.11b/g supports SISO, 802.11n20/n40/ax20/ax40 supports SISO and MIMO mode.  
For Radiated Emission, according to pretest, the worst case for 802.11n20/n40/ax20/ax40 is MIMO mode. So 802.11n20/n40/ax20/ax40 MIMO mode test data were recorded in the report.
- 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

Duty Cycle:  
Chain 0:

### 802.11b Mode Middle Channel

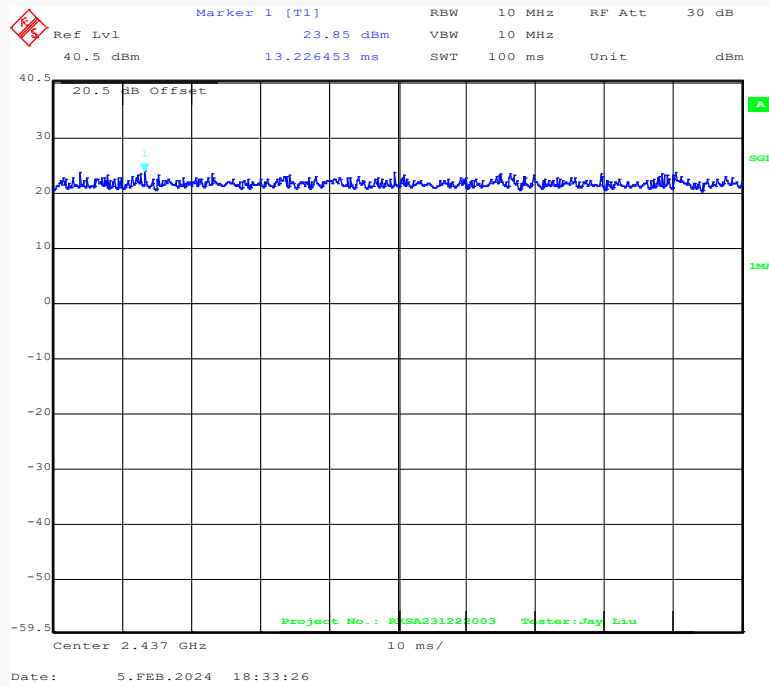


### 802.11g Mode Middle Channel

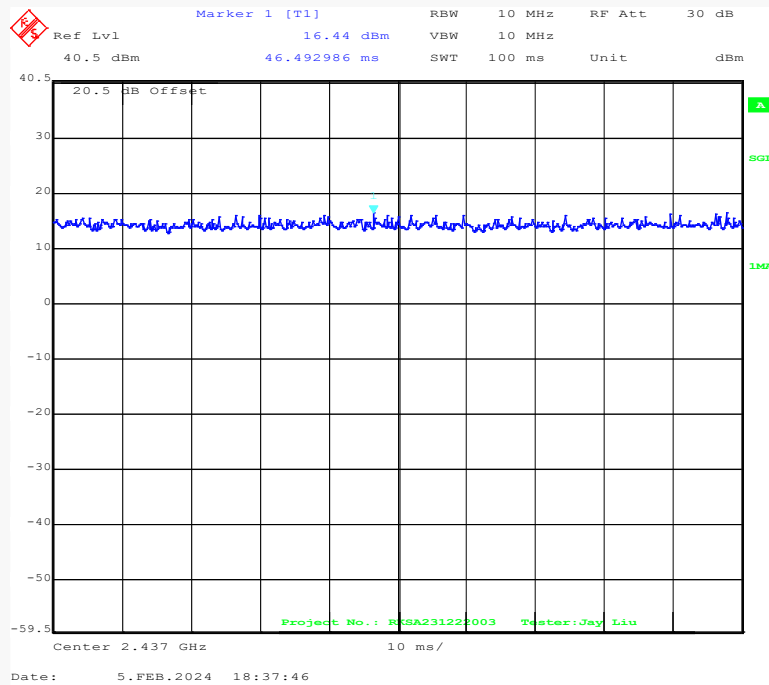




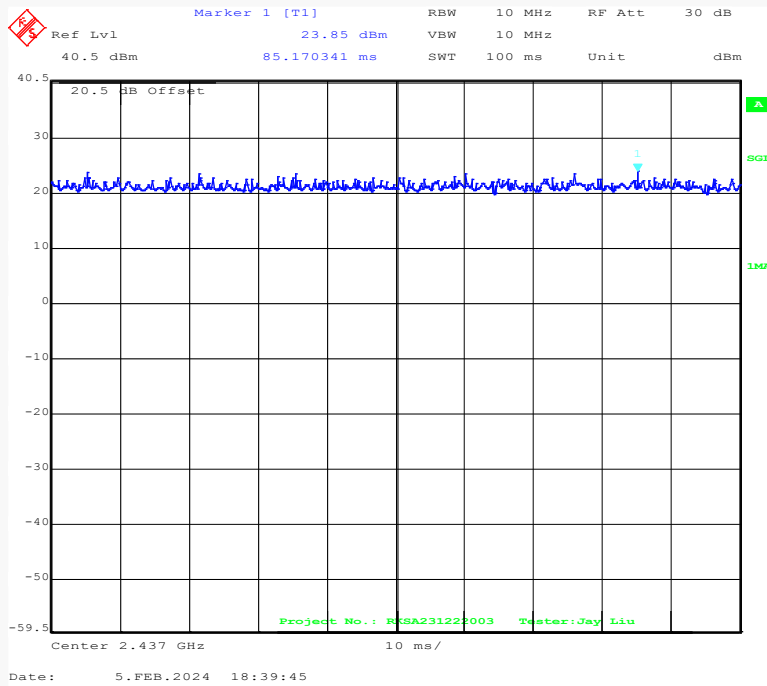
### 802.11n-HT20 Mode Middle Channel



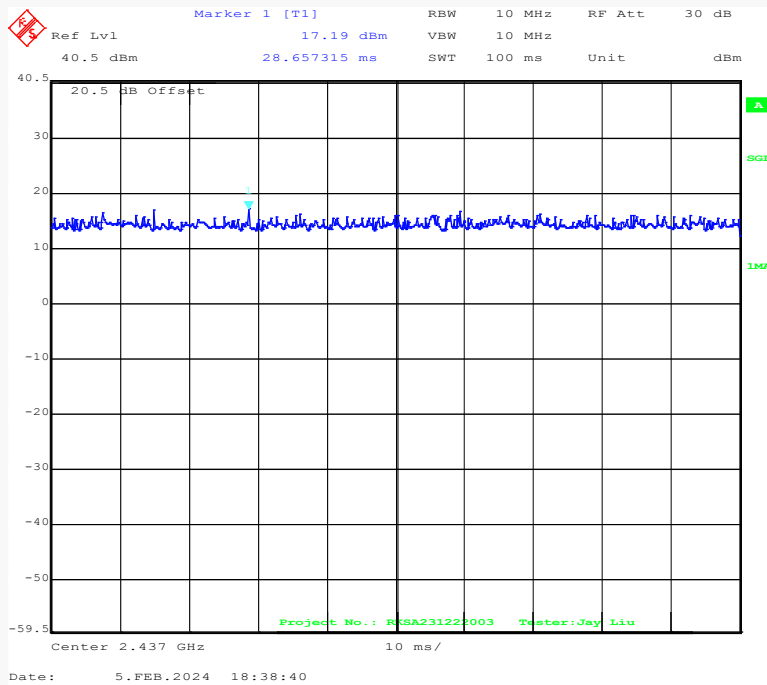
### 802.11n-HT40 Mode Middle Channel



### 802.11ax-HE20 Mode Middle Channel



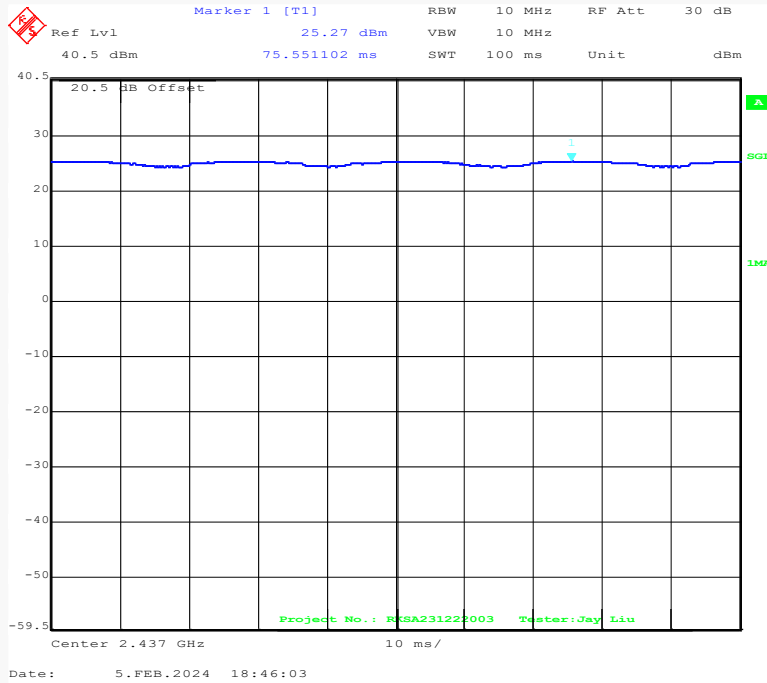
### 802.11ax-HE40 Mode Middle Channel



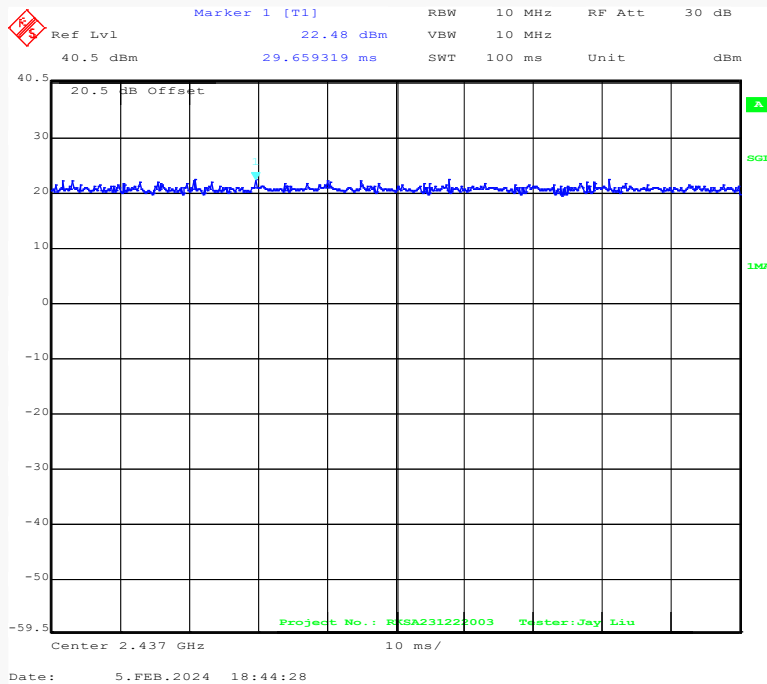
<b>Test Mode</b>	<b>Channel</b>	<b>Transmission Duration (ms)</b>	<b>Transmission Period</b>	<b>Duty Cycle (%)</b>
802.11b	2437	100	100	100
802.11g	2437	100	100	100
802.11n-HT20	2437	100	100	100
802.11n-HT40	2437	100	100	100
802.11ax-HE20	2437	100	100	100
802.11ax-HE40	2437	100	100	100

Chain 1:

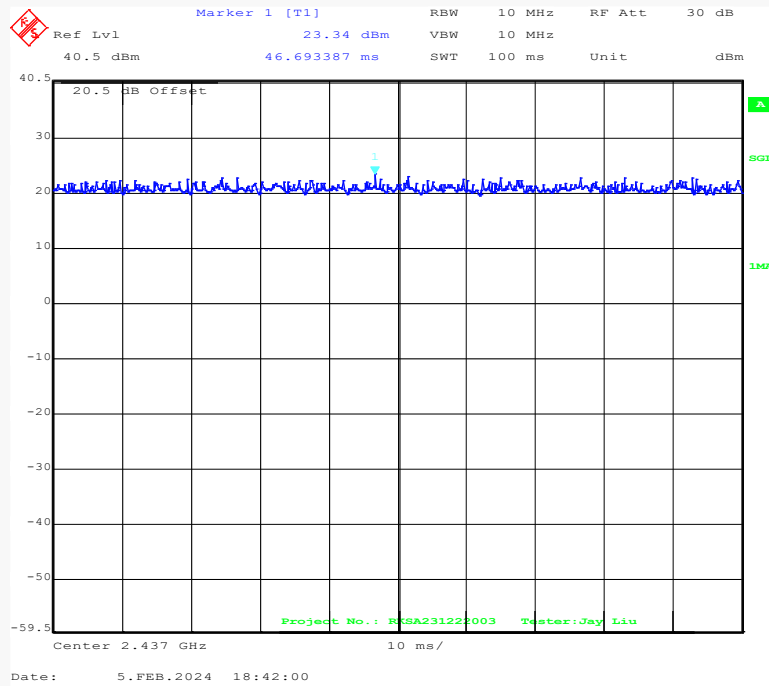
### 802.11b Mode Middle Channel



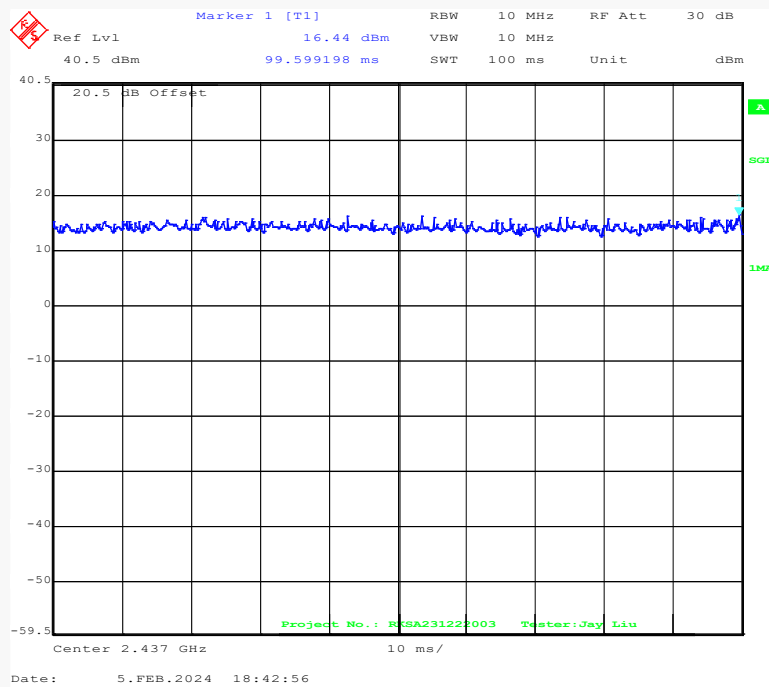
### 802.11g Mode Middle Channel



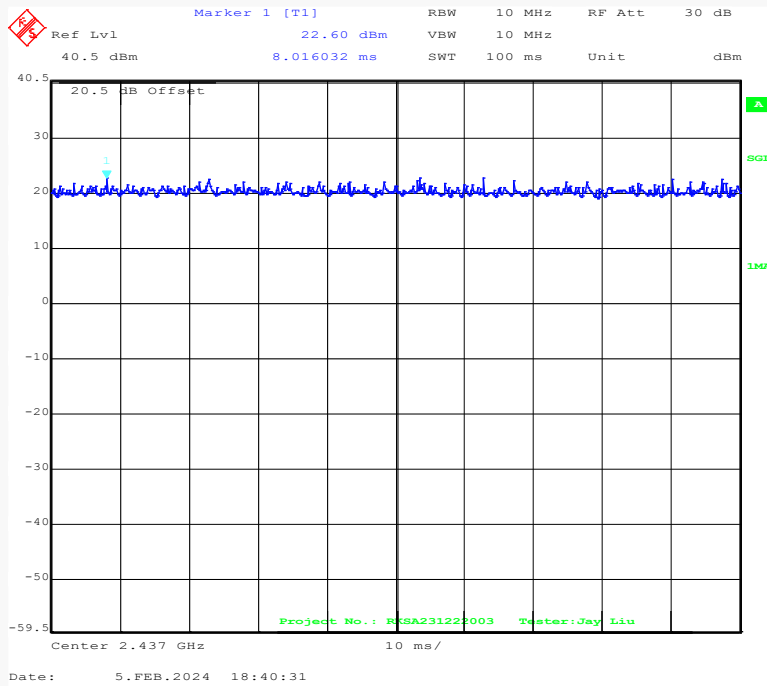
### 802.11n-HT20 Mode Middle Channel



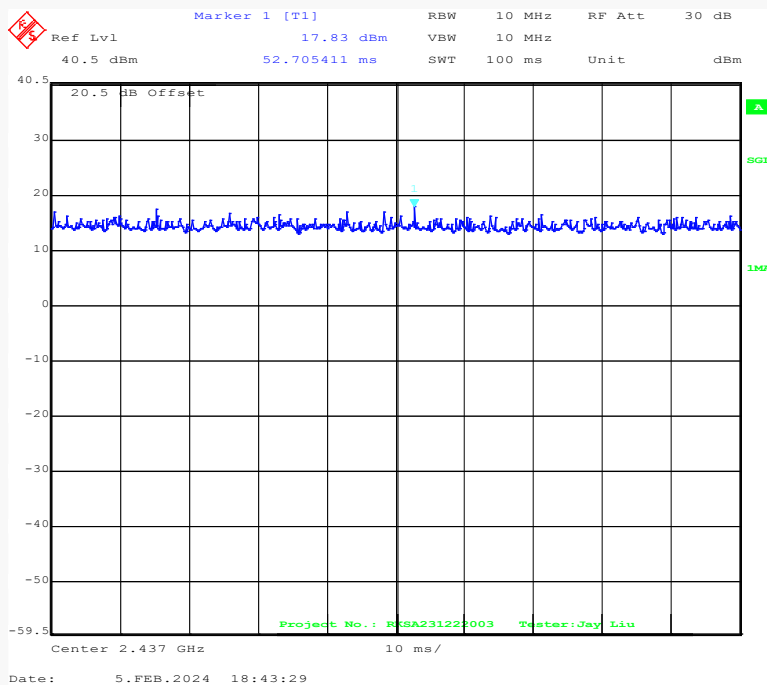
### 802.11n-HT40 Mode Middle Channel



### 802.11ax-HE20 Mode Middle Channel



### 802.11ax-HE40 Mode Middle Channel



<b>Test Mode</b>	<b>Channel</b>	<b>Transmission Duration (ms)</b>	<b>Transmission Period</b>	<b>Duty Cycle (%)</b>
802.11b	2437	100	100	100
802.11g	2437	100	100	100
802.11n-HT20	2437	100	100	100
802.11n-HT40	2437	100	100	100
802.11ax-HE20	2437	100	100	100
802.11ax-HE40	2437	100	100	100

**Support Equipment List and Details**

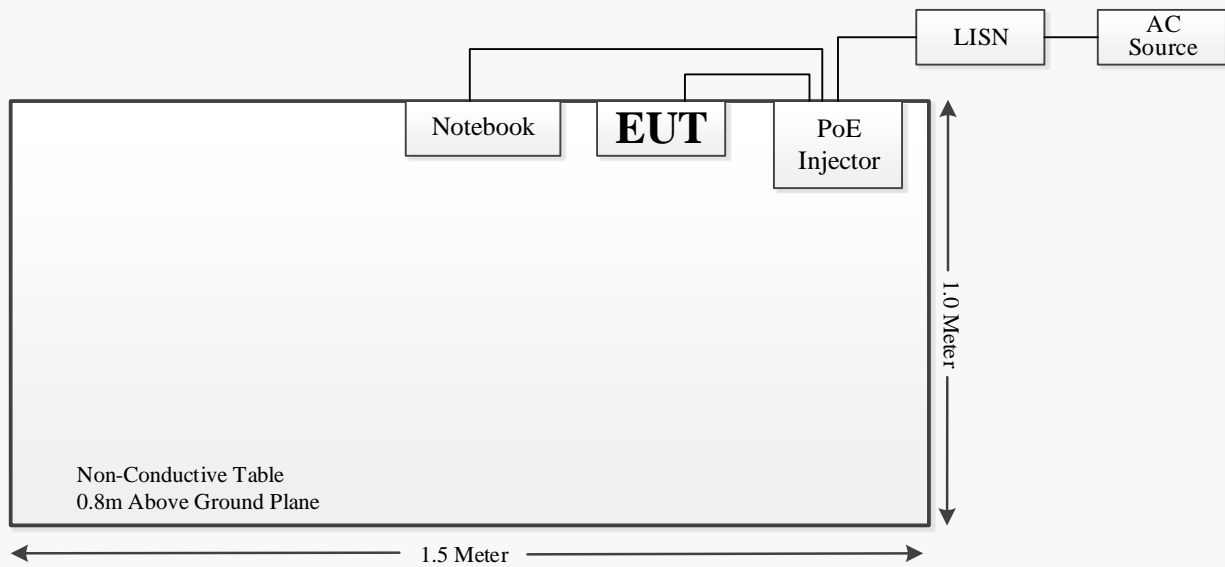
Manufacturer	Description	Model	Serial Number
Unknown	PoE Injector	PSE30G	Unknown
Lenovo	Notebook	Y700P	PF2B7PL5

**External I/O Cable**

Cable Description	Length(m)	From Port	To
Power Cable 1	2.0	AC Source/LISN	PoE Injector
RJ45 Cable 1	3.0	PoE Injector	EUT
RJ45 Cable 2	1.5	PoE Injector	Notebook

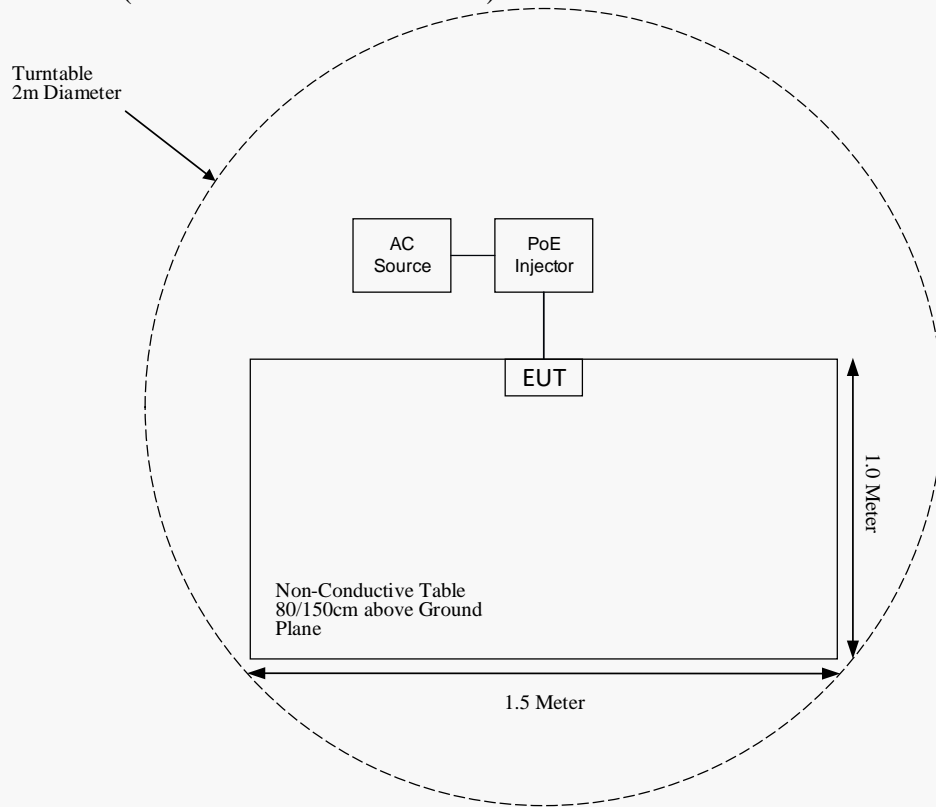
**Block Diagram of Test Setup**

For Conducted Emissions:





For Radiated Emissions(Below 1GHz & Above 1 GHz):



**SUMMARY OF TEST RESULTS**

<b>FCC Rules</b>	<b>Description of Test</b>	<b>Result</b>
§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
§15.247(d)	Spurious Emissions at Antenna Port	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
<b>Radiated Emission Test (Chamber 1#)</b>					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2023-05-23	2024-05-22
Sunol Sciences	Hybrid Antenna	JB3	A090314-1	2023-11-11	2024-11-10
ETS-LINDGREN	Loop Antenna	6512	108100	2023-11-09	2024-11-08
Narda	6dB Attenuator	773-6	10690812-2-1	2023-11-11	2024-11-10
Sonoma Instrument	Amplifier	310N	171205	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-8	008	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-9	009	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-10	010	2023-05-23	2024-05-22
Rohde & Schwarz	Test Software	EMC32	100361	N/A	N/A
<b>Radiated Emission Test (Chamber 2#)</b>					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207	2023-05-19	2024-05-18
ETS-LINDGREN	Horn Antenna	3115	9207-3900	2023-06-27	2024-06-26
ETS-LINDGREN	Horn Antenna	3116	2516	2023-12-08	2024-12-07
A.H.Systems, inc	Amplifier	PAM-0118P (2641-1)	512	2023-05-23	2024-05-22
EM Electronics Corporation	Amplifier	EM18G40G	060726	2023-05-23	2024-05-22
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2023-05-23	2024-05-22
Narda	Attenuator	20dB	020	2023-05-23	2024-05-22
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-11	011	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-12	012	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-13	013	2023-05-23	2024-05-22
<b>RF Conducted Test</b>					
Rohde & Schwarz	Signal Analyzer	FSIQ26	100048	2023-05-23	2024-05-22
Anritsu	Power Sensor	MA24418A	12621	2023-09-27	2024-09-26
Narda	Attenuator	10dB	010	2023-05-23	2024-05-22
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
<b>Conducted Emission Test</b>					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2023-05-23	2024-05-22
Rohde & Schwarz	LISN	ENV216	101115	2023-05-23	2024-05-22
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse Limiter	ESH3-Z2	0357.8810.54	2023-05-23	2024-05-22
MICRO-COAX	Coaxial Cable	Cable-15	015	2023-05-23	2024-05-22

**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>(B) Limits for General Population/Uncontrolled Exposure</b>				
<b>Frequency Range (MHz)</b>	<b>Electric Field Strength (V/m)</b>	<b>Magnetic Field Strength (A/m)</b>	<b>Power Density (mW/cm<sup>2</sup>)</b>	<b>Averaging Time (minutes)</b>
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	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/cm<sup>2</sup>);

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 <sup>2</sup> )	MPE Limit (mW/cm <sup>2</sup> )
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G WIFI	2412~2462	4.9	3.09	23.0	199.53	20	0.1227	1.0
5G WIFI	5150~5250	10.1	10.23	20.50	112.20	20	0.2284	1.0
	5725~5850	10.6	11.48	25.00	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

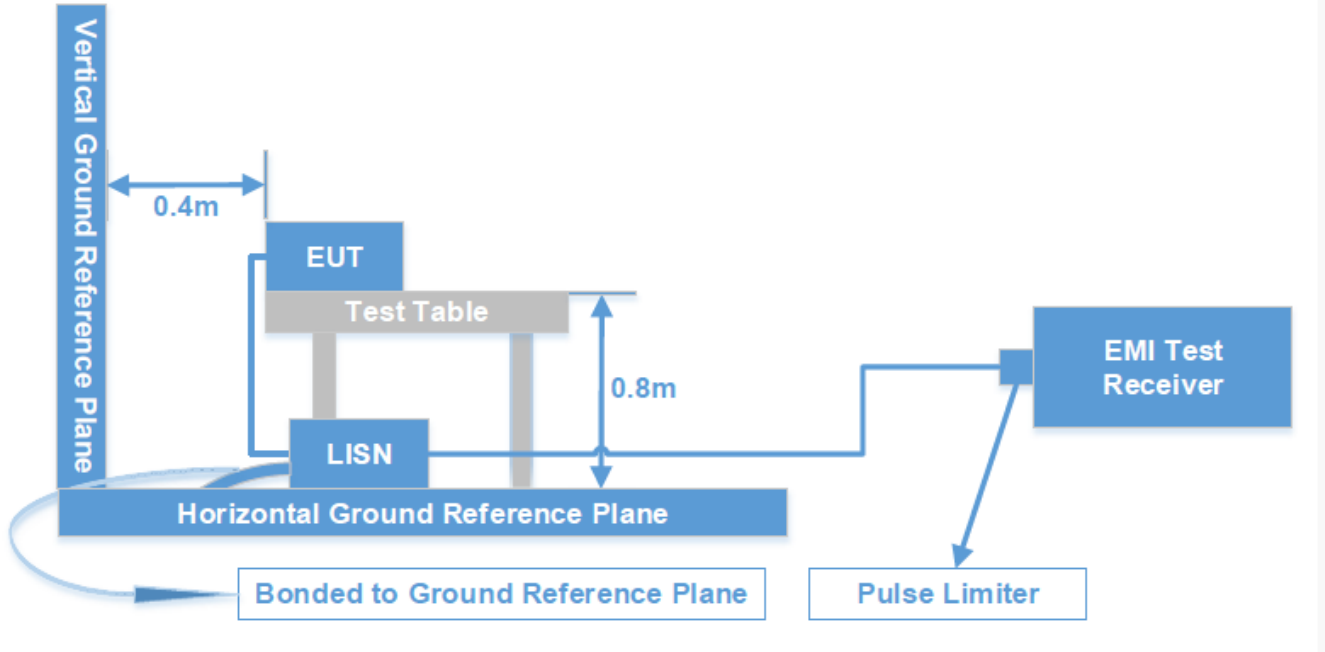
**Result:** Compliant.

## 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 C63.10-2013. 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 C63.10-2013 clause 6.2

During the conducted emission test, the PoE Injector 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 (dB $\mu$ V) = Read level (dB $\mu$ V) + 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 (dB $\mu$ V) - Limit (dB $\mu$ V)

## Test Results Summary

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

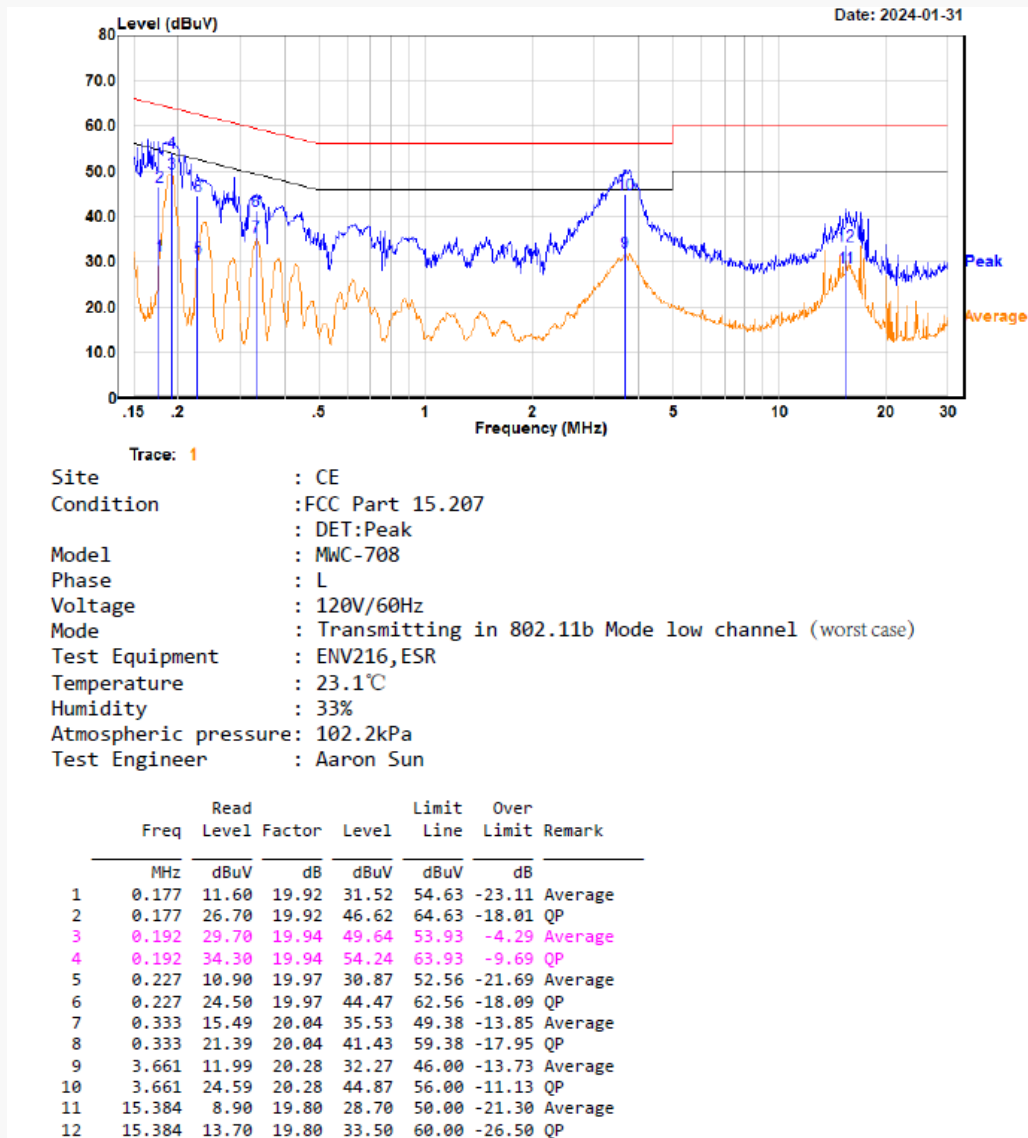
## Test Data

### Environmental Conditions & Test Information

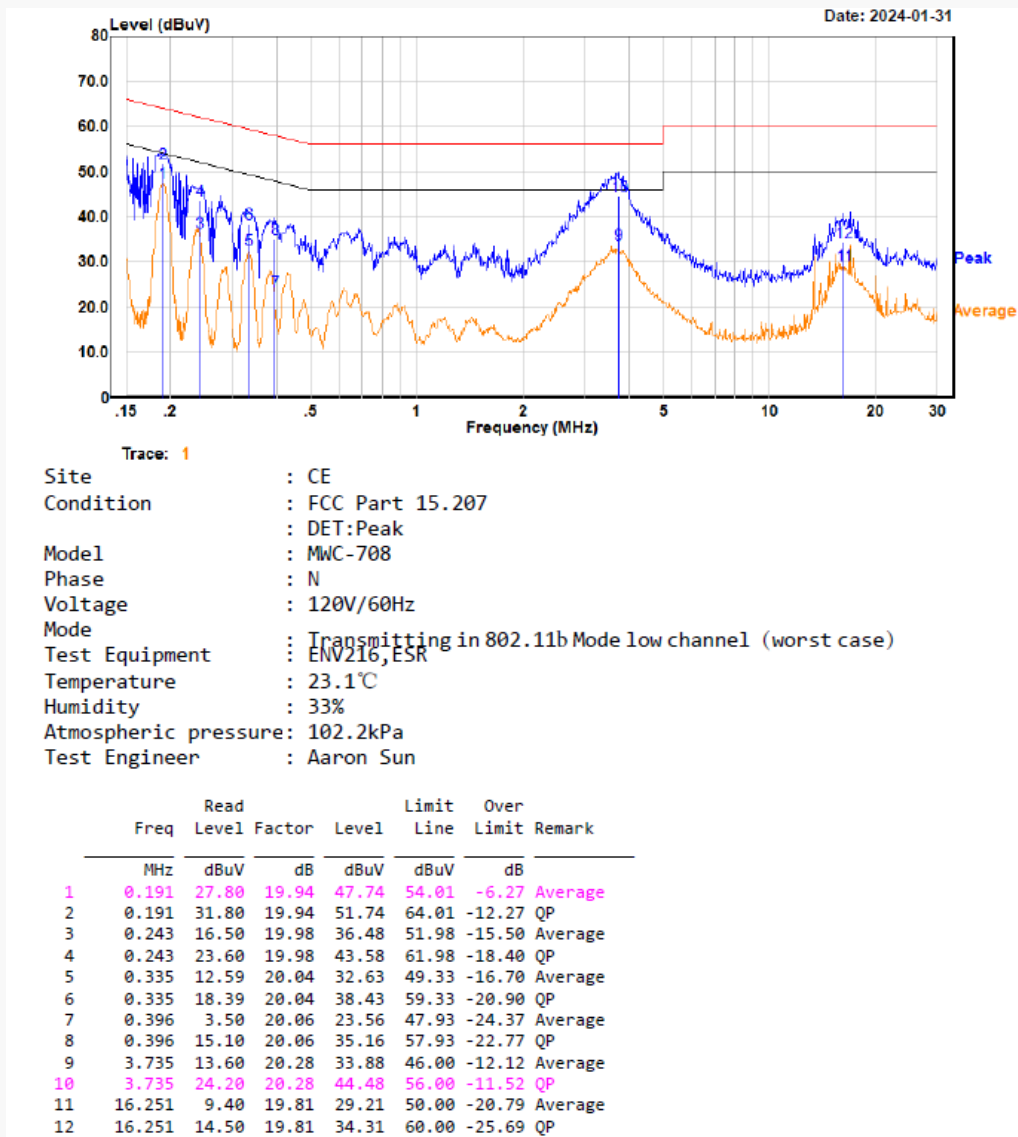
<b>Temperature:</b>	23.1 °C
<b>Relative Humidity:</b>	33 %
<b>ATM Pressure:</b>	102.2 kPa
<b>Test Date:</b>	2024-01-31
<b>Test Engineer:</b>	Aaron Sun

EUT operation mode: Transmitting in 802.11b Mode low channel chain 0 with ROD-1 antenna (maximum output power mode)

AC 120V/60 Hz, Line



AC 120V/60 Hz, Neutral



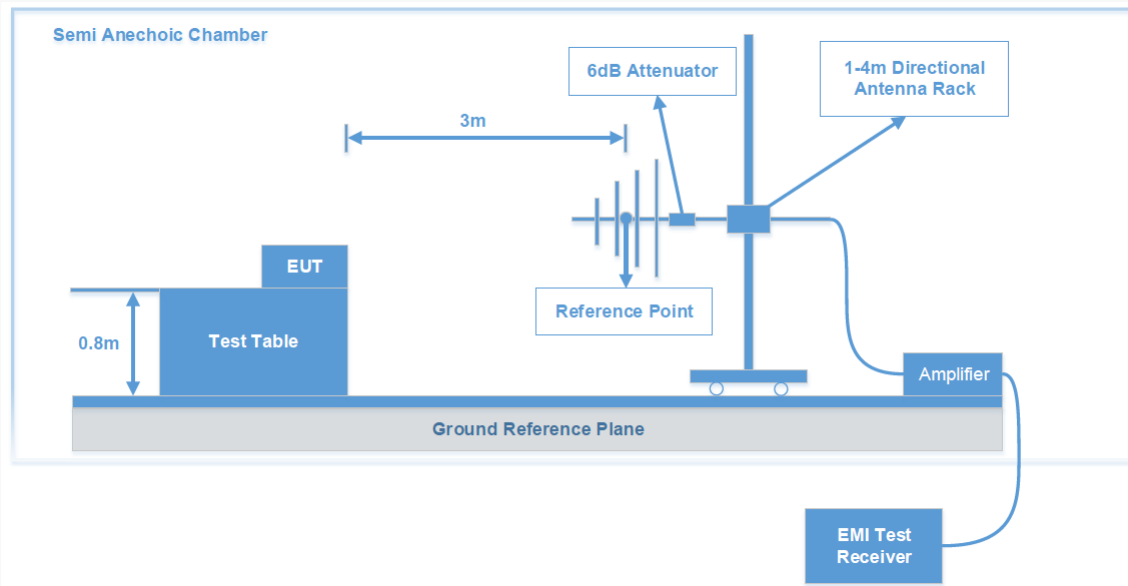
## FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

### Applicable Standard

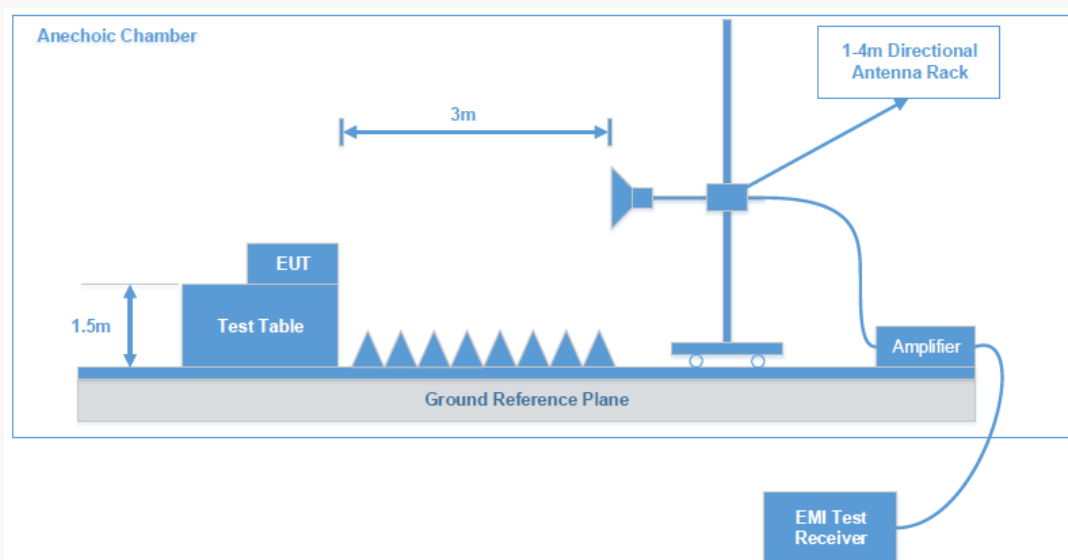
FCC §15.247 (d); §15.209; §15.205;

### Test System Setup

#### Below 1 GHz:



#### Above 1GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

## EMI Test Receiver Setup

The system was investigated from 9 kHz to 25 GHz.

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

Frequency Range	RBW	VBW	IF B/W	Measurement
9 kHz – 150 kHz	300 Hz	1 kHz	200 Hz	QP/AV
150 kHz – 30 MHz	10 kHz	30 kHz	9 kHz	QP/AV
30 MHz – 1000 MHz	100 kHz	300 kHz	120 kHz	PK
Above 1 GHz	1 MHz	3 MHz	/	PK
	1 MHz	3 MHz	/	AV

## Test Procedure

According to ANSI C63.10-2013 clause 6.5, 6.6 and 6.7.

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 10 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

## 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 $\mu$ V/m) = Meter Reading (dB $\mu$ V) + Corrected factor (dB/m)

Corrected factor (dB/m) = 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 $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

## Test Results Summary

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

**Test Data**

**Environmental Conditions & Test Information**

<b>Frequency Range:</b>	Below 1 GHz	Above 1 GHz
<b>Temperature:</b>	16.1 °C	20.3~22.5 °C
<b>Relative Humidity:</b>	36 %	42~52 %
<b>ATM Pressure:</b>	103.6 kPa	102.1~102.5 kPa
<b>Test Date:</b>	2024-01-24	2024-01-17 to 2024-02-04
<b>Test Engineer:</b>	Joe Zhang	Peter Wang&James Ji

*EUT operation mode: Transmitting*

*After pre-scan in the X, Y and Z axes of orientation, the worst case is below:*

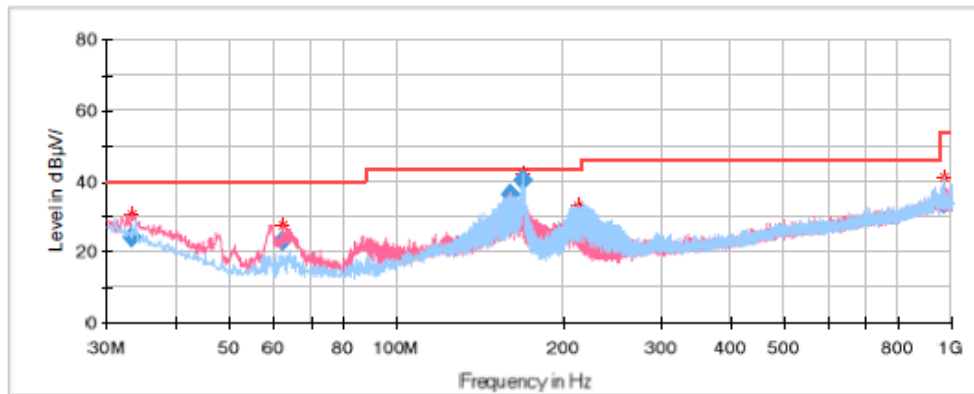
**9kHz-30MHz:** *Transmitting in 802.11b Mode low channel chain 0 with ROD-1 antenna (maximum output power mode)*

*The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded.*

**30MHz-1GHz: 802.11b mode with Rod-1 antenna (Worst case)**  
 Chain 0:

**Common Information**

Project No:	RKSA231222003
EUT Model:	MWC-708
Test Mode:	Transmitting in 802.11b mode low channel
Standard:	FCC Part 15.205& FCC Part 15.209& FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	16.1°C
Humidity:	36%
Barometric Pressure:	103.6kPa
Test Engineer:	Joe Zhang
Test Date:	2024/1/24

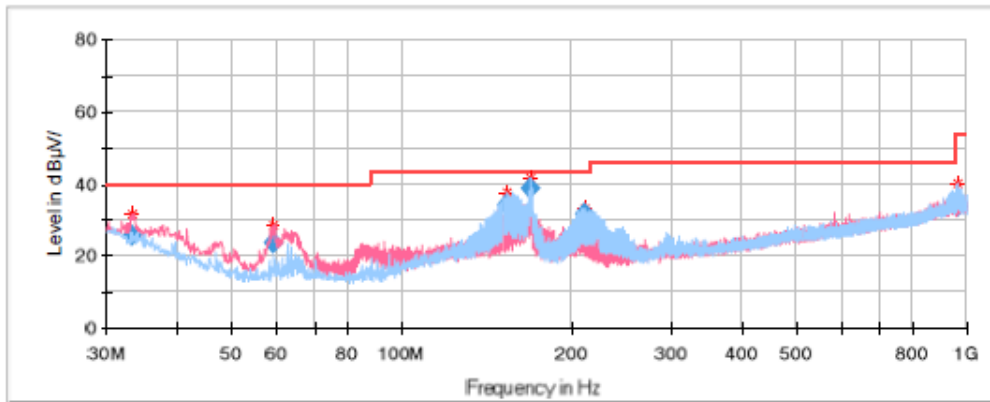


**Final Result**

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
33.150000	24.34	40.00	15.66	V	-7.1
62.250000	22.90	40.00	17.10	V	-17.3
160.580000	36.26	43.50	7.24	H	-12.6
168.830000	40.46	43.50	3.04	H	-12.9
212.110000	29.28	43.50	14.22	H	-13.2
967.860000	33.79	53.90	20.11	H	1.6

### Common Information

Project No: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: Transmitting in 802.1b mode middle channel  
 Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247  
 Test Equipment: ESCI, JB3, 310N  
 Temperature: 16.1°C  
 Humidity: 36%  
 Barometric Pressure: 103.6kPa  
 Test Engineer: Joe Zhang  
 Test Date: 2024/1/24



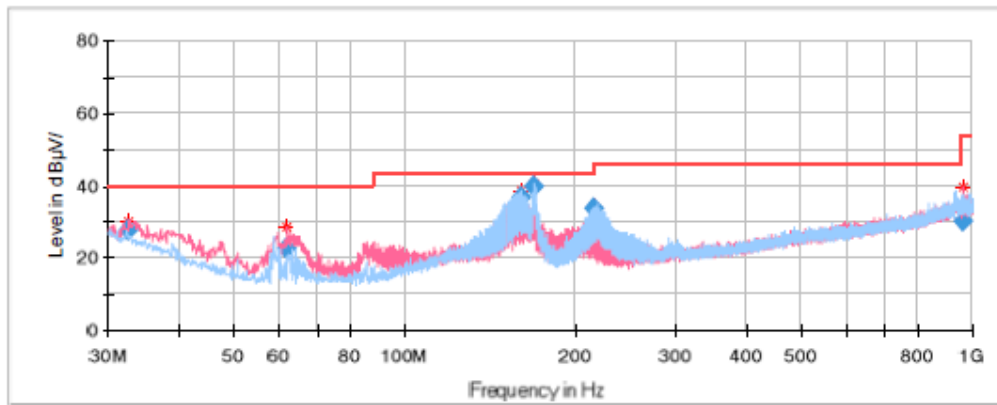
### Final Result

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
33.150000	25.56	40.00	14.44	V	-6.9
58.970000	23.49	40.00	16.51	V	-17.4
153.550000	34.13	43.50	9.37	H	-12.3
168.710000	38.89	43.50	4.61	H	-12.9
210.170000	31.94	43.50	11.56	H	-13.0
966.410000	33.67	53.90	20.23	H	1.6



### Common Information

Project No: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: Transmitting in 802.1b mode high channel  
 Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247  
 Test Equipment: ESCI, JB3, 310N  
 Temperature: 16.1°C  
 Humidity: 36%  
 Barometric Pressure: 103.6kPa  
 Test Engineer: Joe Zhang  
 Test Date: 2024/1/24



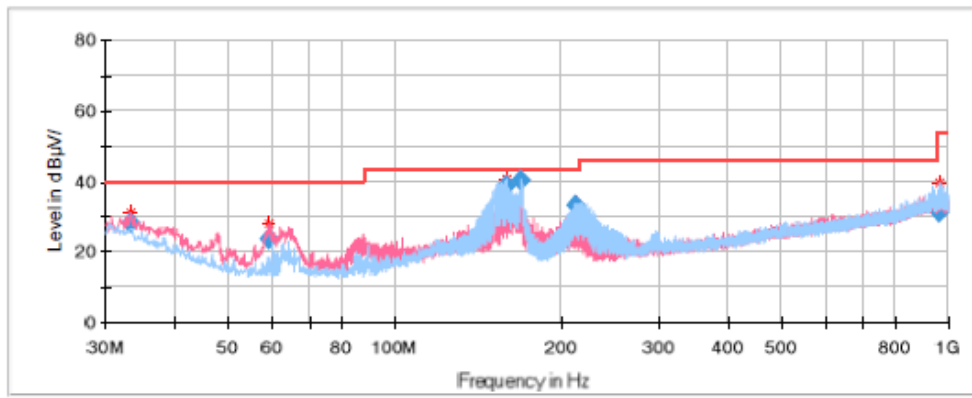
### Final Result

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
32.540000	27.45	40.00	12.55	V	-6.6
62.010000	22.57	40.00	17.43	V	-17.4
159.980000	36.52	43.50	6.98	H	-12.6
168.710000	39.53	43.50	3.97	H	-12.9
215.750000	33.88	43.50	9.62	H	-13.5
962.530000	30.06	53.90	23.84	V	1.5

Chain 1:

### Common Information

Project No: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: Transmitting in 802.1b mode low channel  
 Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247  
 Test Equipment: ESCI, JB3, 310N  
 Temperature: 16.1°C  
 Humidity: 36%  
 Barometric Pressure: 103.6kPa  
 Test Engineer: Joe Zhang  
 Test Date: 2024/1/24

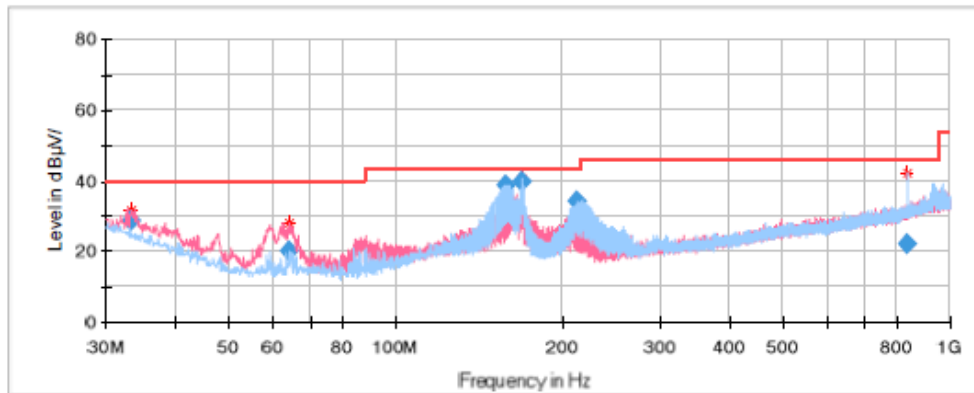


### Final Result

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
33.150000	28.37	40.00	11.63	V	-6.6
58.970000	23.59	40.00	16.41	V	-17.4
158.640000	38.58	43.50	4.92	H	-12.5
168.710000	40.17	43.50	3.33	H	-12.9
212.600000	33.38	43.50	10.12	H	-13.3
966.410000	31.23	53.90	22.67	H	1.6

### Common Information

Project No: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: Transmitting in 802.1b mode middle channel  
 Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247  
 Test Equipment: ESCI, JB3, 310N  
 Temperature: 16.1°C  
 Humidity: 36%  
 Barometric Pressure: 103.6kPa  
 Test Engineer: Joe Zhang  
 Test Date: 2024/1/24

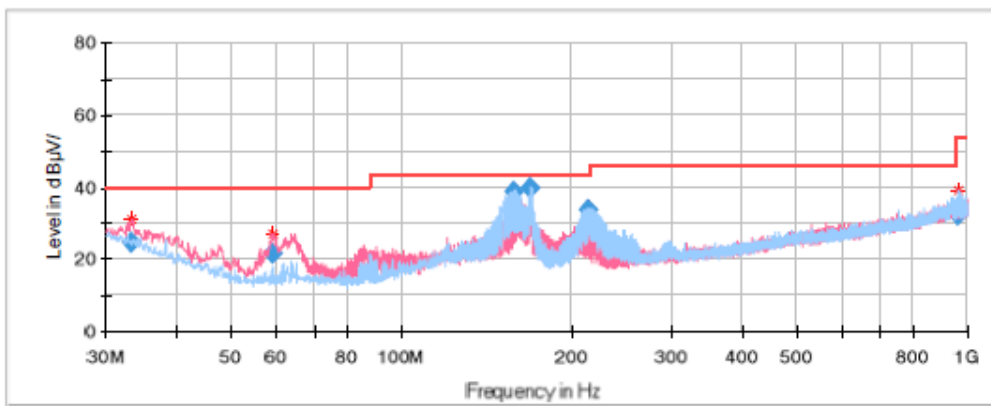


### Final Result

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	PoI	Corr. (dB/m)
33.270000	28.51	40.00	11.49	V	-6.6
64.070000	20.16	40.00	19.84	V	-17.2
158.040000	38.70	43.50	4.80	H	-12.5
168.710000	39.68	43.50	3.82	H	-12.9
212.600000	33.99	43.50	9.51	H	-13.3
839.950000	22.13	46.00	23.87	H	-0.3

### Common Information

Project No: RKSA231222003  
 EUT Model: MWC 708  
 Test Mode: Transmitting in 802.1b mode high channel  
 Standard: FCC Part 15.205& FCC Part 15.209& FCC Part 15.247  
 Test Equipment: ESCI, JB3, 310N  
 Temperature: 16.1°C  
 Humidity: 36%  
 Barometric Pressure: 103.6kPa  
 Test Engineer: Joe Zhang  
 Test Date: 2024/1/24



### Final Result

Frequency (MHz)	Corrected Amplitude QuasiPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
33.270000	24.81	40.00	15.19	V	-6.5
59.340000	21.40	40.00	18.60	V	-17.5
158.040000	38.53	43.50	4.97	H	-12.5
168.710000	39.52	43.50	3.98	H	-12.9
213.330000	33.63	43.50	9.87	H	-13.3
967.020000	32.27	53.90	21.63	H	1.6

**For PCB antenna:  
1GHz-18GHz:**

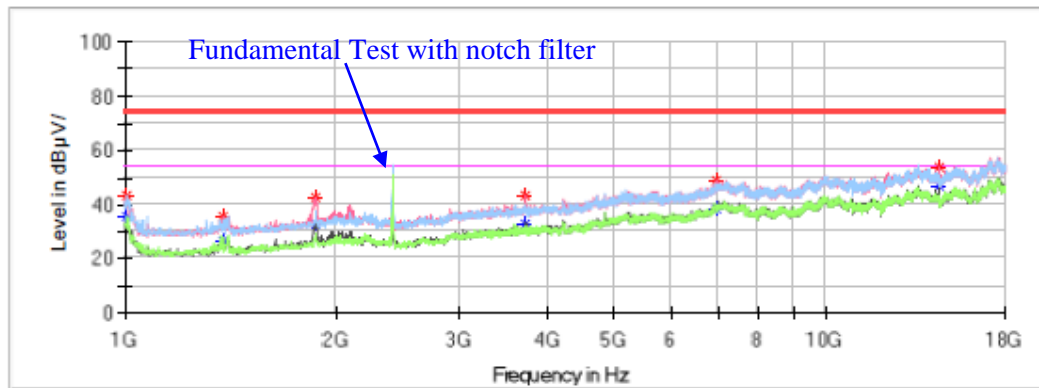
**802.11b Mode:**

**Low Channel: 2412 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Low Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

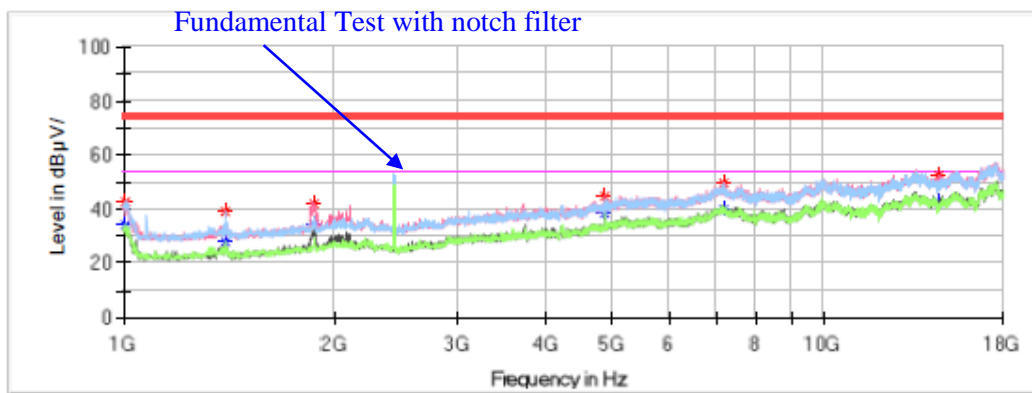
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1005.100000	---	35.50	54.00	18.50	H	-15.5
1005.100000	43.35	---	74.00	30.65	H	-15.5
1382.500000	---	26.63	54.00	27.37	V	-14.3
1382.500000	35.54	---	74.00	38.46	V	-14.3
1875.500000	---	32.66	54.00	21.34	V	-11.4
1875.500000	42.51	---	74.00	31.49	V	-11.4
3728.500000	---	32.91	54.00	21.09	V	-5.6
3728.500000	43.40	---	74.00	30.60	V	-5.6
6972.100000	---	38.69	54.00	15.31	V	3.6
6972.100000	48.72	---	74.00	25.28	V	3.6
14472.500000	---	47.08	54.00	6.92	V	8.3
14472.500000	54.14	---	74.00	19.86	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Middle Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.5℃  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



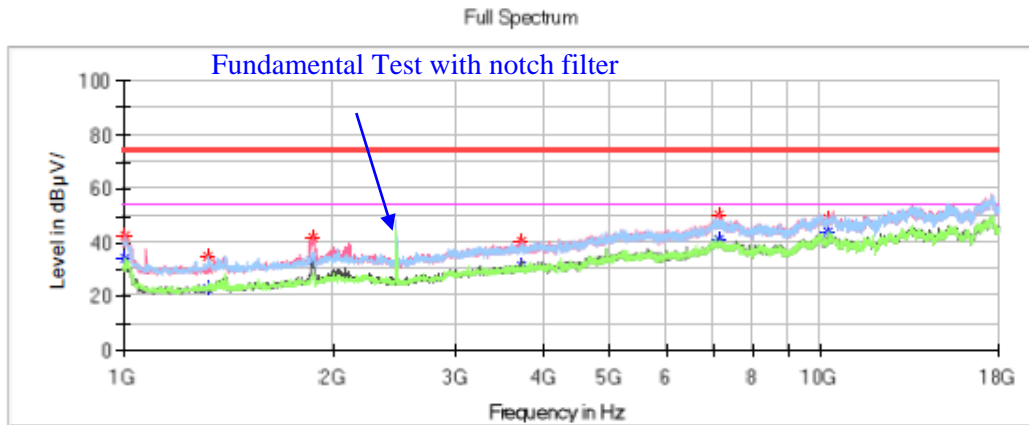
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1005.100000	---	34.25	54.00	19.75	H	-15.5
1005.100000	42.78	---	74.00	31.22	H	-15.5
1399.500000	---	27.95	54.00	26.05	H	-14.2
1399.500000	38.82	---	74.00	35.18	H	-14.2
1867.000000	---	33.94	54.00	20.06	V	-11.5
1867.000000	41.83	---	74.00	32.17	V	-11.5
4874.000000	---	38.28	54.00	15.72	H	-1.9
4874.000000	44.46	---	74.00	29.54	V	-1.9
7176.100000	---	40.07	54.00	13.93	H	3.9
7176.100000	49.63	---	74.00	24.37	H	3.9
14622.100000	---	42.71	54.00	11.29	V	8.6
14622.100000	52.54	---	74.00	21.46	V	8.6

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1005.100000	--	34.45	54.00	19.55	V	-15.5
1005.100000	43.00	--	74.00	31.00	V	-15.5
1324.700000	--	23.37	54.00	30.63	H	-14.5
1324.700000	35.00	--	74.00	39.00	H	-14.5
1868.700000	--	33.31	54.00	20.69	V	-11.5
1868.700000	41.70	--	74.00	32.30	V	-11.5
3730.200000	--	31.47	54.00	22.53	V	-5.6
3730.200000	40.77	--	74.00	33.23	V	-5.6
7157.400000	--	41.15	54.00	12.85	V	3.9
7157.400000	50.29	--	74.00	23.71	V	3.9
10241.200000	--	43.92	54.00	10.08	H	7.5
10241.200000	49.06	--	74.00	24.94	H	7.5

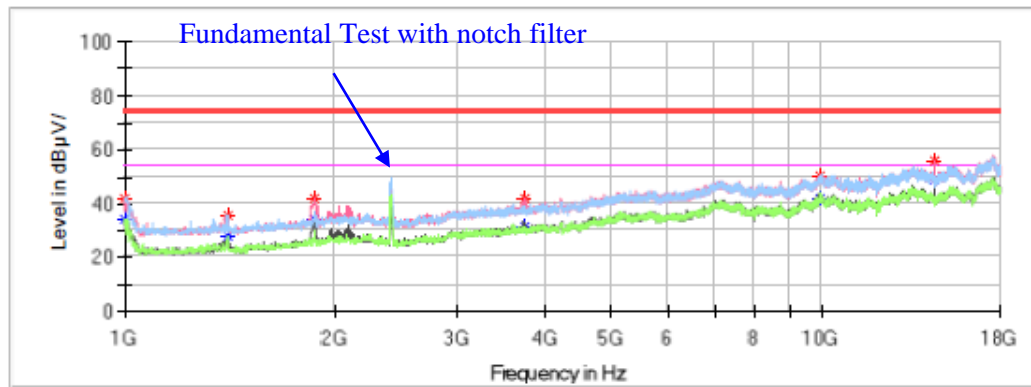
**802.11g Mode:**

**Low Channel: 2412 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	--	34.36	54.00	19.64	H	-15.5
1001.700000	41.82	--	74.00	32.18	H	-15.5
1402.900000	--	27.73	54.00	26.27	H	-14.2
1402.900000	35.54	--	74.00	38.46	H	-14.2
1868.700000	--	34.10	54.00	19.90	V	-11.5
1868.700000	41.89	--	74.00	32.11	V	-11.5
3737.000000	--	31.38	54.00	22.62	V	-5.6
3737.000000	42.26	--	74.00	31.74	V	-5.6
9945.400000	--	41.70	54.00	12.30	V	7.6
9945.400000	50.42	--	74.00	23.58	V	7.6
14472.500000	--	48.64	54.00	5.36	V	8.3
14472.500000	55.86	--	74.00	18.14	V	8.3

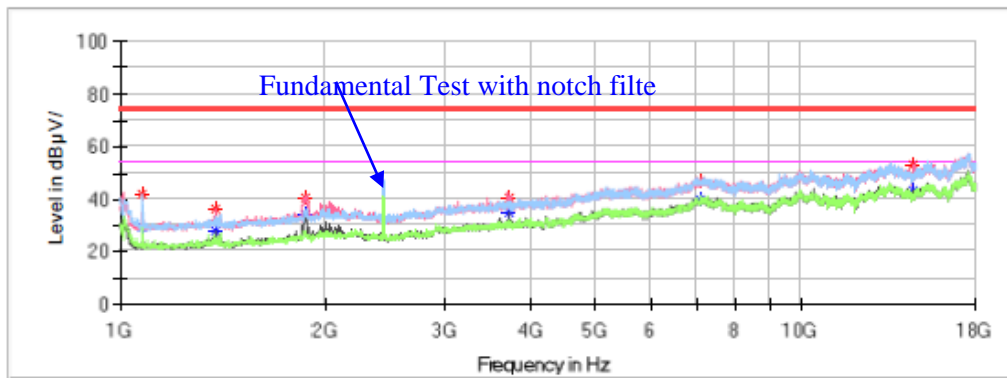


**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Middle Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

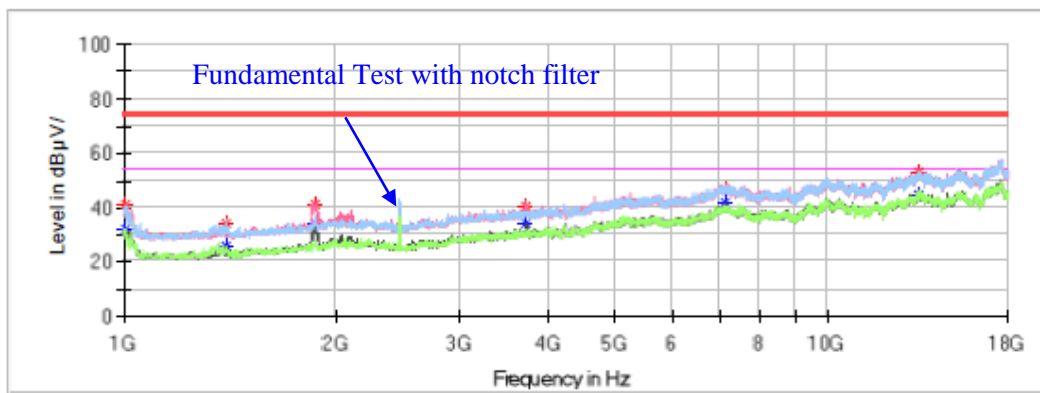
Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1079.900000	---	29.31	54.00	24.69	H	-15.3
1079.900000	41.70	---	74.00	32.30	H	-15.3
1380.800000	---	27.96	54.00	26.04	V	-14.3
1380.800000	36.46	---	74.00	37.54	V	-14.3
1865.300000	---	34.25	54.00	19.75	V	-11.5
1865.300000	40.32	---	74.00	33.68	V	-11.5
3731.900000	---	34.70	54.00	19.30	V	-5.6
3731.900000	40.54	---	74.00	33.46	V	-5.6
7079.200000	47.14	---	74.00	26.86	V	3.9
7079.200000	---	39.90	54.00	14.10	V	3.9
14622.100000	---	43.70	54.00	10.30	V	8.6
14622.100000	53.29	---	74.00	20.71	V	8.6

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode High Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.5℃  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1006.800000	41.23	---	74.00	32.77	V	-15.5
1006.800000	---	32.38	54.00	21.62	V	-15.5
1397.800000	34.40	---	74.00	39.60	V	-14.3
1397.800000	---	26.09	54.00	27.91	V	-14.3
1865.300000	41.25	---	74.00	32.75	V	-11.5
1865.300000	---	34.28	54.00	19.72	V	-11.5
3735.300000	40.58	---	74.00	33.42	V	-5.6
3735.300000	---	34.38	54.00	19.62	V	-5.6
7164.200000	46.88	---	74.00	27.12	V	3.9
7164.200000	---	41.66	54.00	12.34	V	3.9
13478.000000	53.40	---	74.00	20.60	H	10.9
13478.000000	---	44.53	54.00	9.47	V	10.9

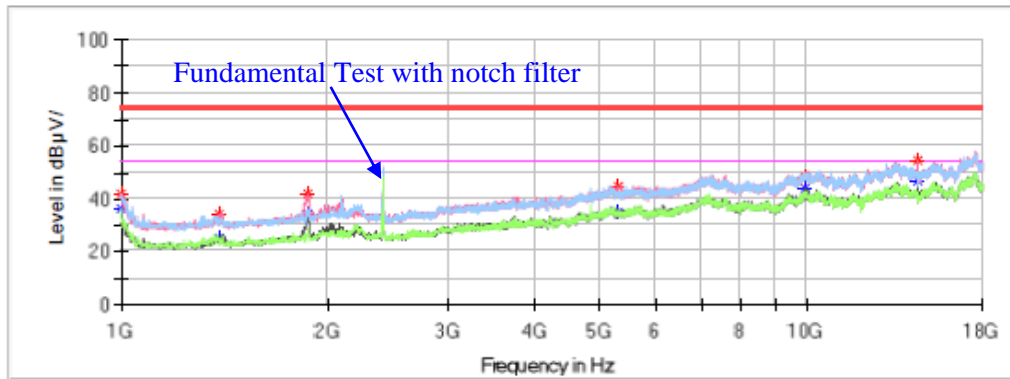
802.11b Mode:

Low Channel: 2412 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



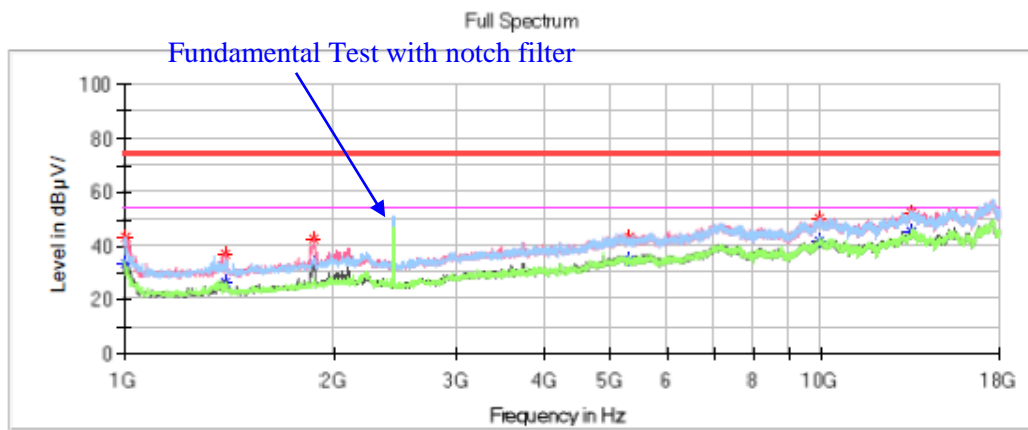
**Critical\_Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1000.000000	---	36.52	54.00	17.48	H	-15.5
1000.000000	42.18	---	74.00	31.82	H	-15.5
1389.300000	---	25.21	54.00	28.79	V	-14.3
1389.300000	34.38	---	74.00	39.62	V	-14.3
1872.100000	---	33.99	54.00	20.01	V	-11.4
1872.100000	41.82	---	74.00	32.18	V	-11.4
5307.800000	---	34.93	54.00	19.07	H	0.1
5307.800000	44.51	---	74.00	29.49	V	0.1
9947.100000	---	43.75	54.00	10.25	V	7.6
9947.100000	48.39	---	74.00	25.61	V	7.6
14472.500000	---	47.14	54.00	6.86	V	8.3
14472.500000	54.27	---	74.00	19.73	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Middle Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18



**Critical Freqs**

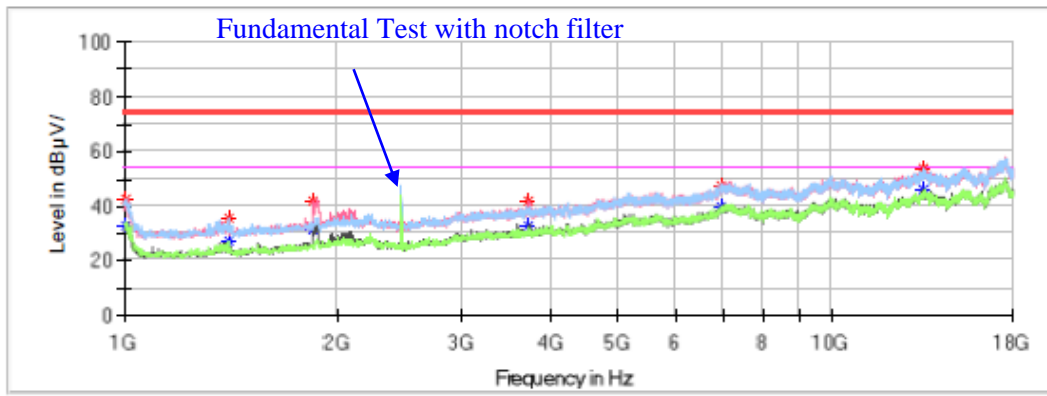
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1003.400000	--	33.58	54.00	20.42	V	-15.5
1003.400000	43.30	--	74.00	30.70	H	-15.5
1401.200000	--	26.74	54.00	27.26	H	-14.2
1401.200000	36.78	--	74.00	37.22	V	-14.2
1872.100000	--	33.30	54.00	20.70	V	-11.4
1872.100000	42.91	--	74.00	31.09	V	-11.4
5292.500000	--	35.11	54.00	18.89	V	0.0
5292.500000	43.37	--	74.00	30.63	V	0.0
9919.900000	--	41.72	54.00	12.28	H	7.6
9919.900000	50.13	--	74.00	23.87	H	7.6
13489.900000	--	45.68	54.00	8.32	V	11.0
13489.900000	52.70	--	74.00	21.30	V	11.0

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1003.400000	---	32.61	54.00	21.39	H	-15.5
1003.400000	42.61	---	74.00	31.39	H	-15.5
1402.900000	---	26.93	54.00	27.07	H	-14.2
1402.900000	35.84	---	74.00	38.16	H	-14.2
1851.700000	---	31.32	54.00	22.68	V	-11.6
1851.700000	41.93	---	74.00	32.07	V	-11.6
3725.100000	---	32.86	54.00	21.14	V	-5.6
3725.100000	42.00	---	74.00	32.00	V	-5.6
6973.800000	---	39.72	54.00	14.28	V	3.6
6973.800000	47.56	---	74.00	26.44	V	3.6
13481.400000	---	46.15	54.00	7.85	V	10.9
13481.400000	53.89	---	74.00	20.11	H	10.9

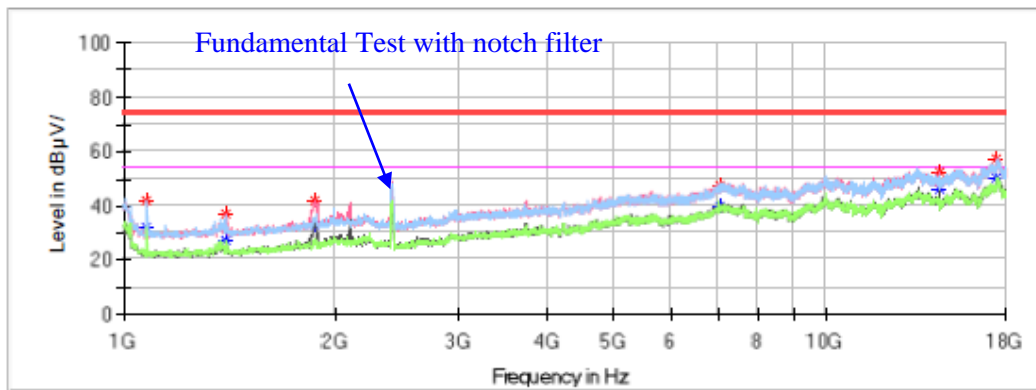
**802.11g Mode:**

**Low Channel: 2412 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

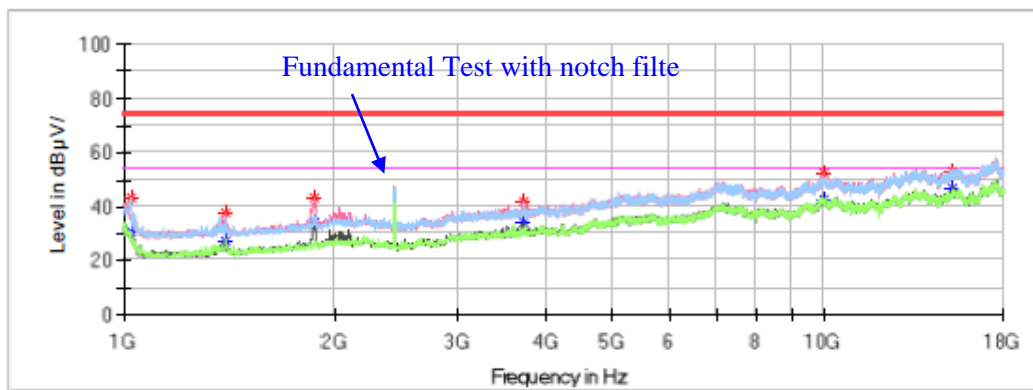
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1079.900000	---	32.01	54.00	21.99	H	-15.3
1079.900000	42.13	---	74.00	31.87	H	-15.3
1401.200000	---	27.15	54.00	26.85	H	-14.2
1401.200000	37.36	---	74.00	36.64	V	-14.2
1875.500000	---	33.14	54.00	20.86	V	-11.4
1875.500000	42.24	---	74.00	31.76	V	-11.4
7062.200000	---	39.74	54.00	14.26	V	3.8
7062.200000	47.70	---	74.00	26.30	V	3.8
14472.500000	---	46.05	54.00	7.95	V	8.3
14472.500000	52.58	---	74.00	21.42	V	8.3
17484.900000	57.27	---	74.00	16.73	V	13.6
17496.800000	---	50.47	54.00	3.53	H	13.6

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Middle Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

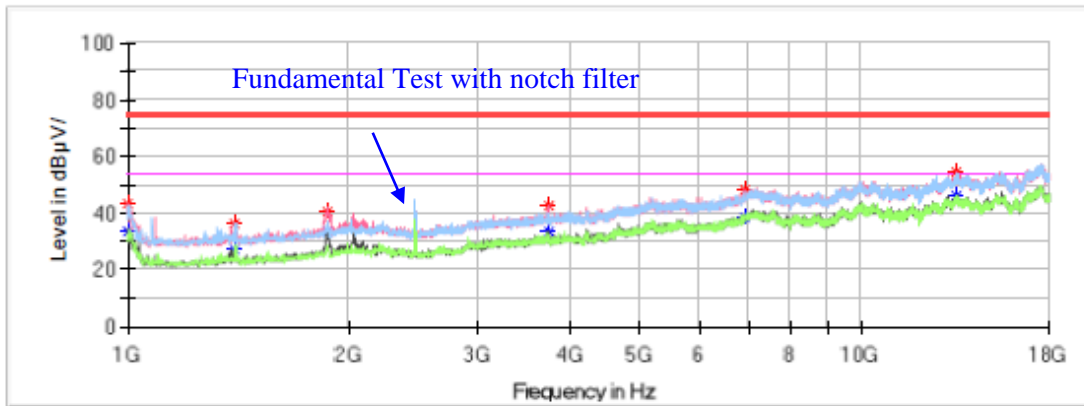
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1022.100000	43.38	---	74.00	30.62	H	-15.4
1022.100000	---	30.71	54.00	23.29	H	-15.4
1397.800000	---	26.93	54.00	27.07	H	-14.3
1397.800000	37.91	---	74.00	36.09	V	-14.3
1870.400000	---	34.16	54.00	19.84	V	-11.4
1870.400000	43.34	---	74.00	30.66	V	-11.4
3726.800000	---	34.46	54.00	19.54	V	-5.6
3726.800000	41.71	---	74.00	32.29	V	-5.6
9998.100000	---	42.74	54.00	11.26	V	7.8
9998.100000	52.31	---	74.00	21.69	V	7.8
15268.100000	---	46.73	54.00	7.27	V	11.0
15268.100000	53.47	---	74.00	20.53	V	11.0

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	43.29	---	74.00	30.71	V	-15.5
1001.700000	---	33.51	54.00	20.49	V	-15.5
1397.800000	---	27.07	54.00	26.93	H	-14.3
1397.800000	36.64	---	74.00	37.36	H	-14.3
1865.300000	---	33.77	54.00	20.23	V	-11.5
1865.300000	40.77	---	74.00	33.23	V	-11.5
3737.000000	---	33.38	54.00	20.62	V	-5.6
3737.000000	42.34	---	74.00	31.66	V	-5.6
6931.300000	---	38.68	54.00	15.32	H	3.4
6931.300000	48.59	---	74.00	25.41	V	3.4
13489.900000	---	45.88	54.00	8.12	H	11.0
13489.900000	54.38	---	74.00	19.62	V	11.0



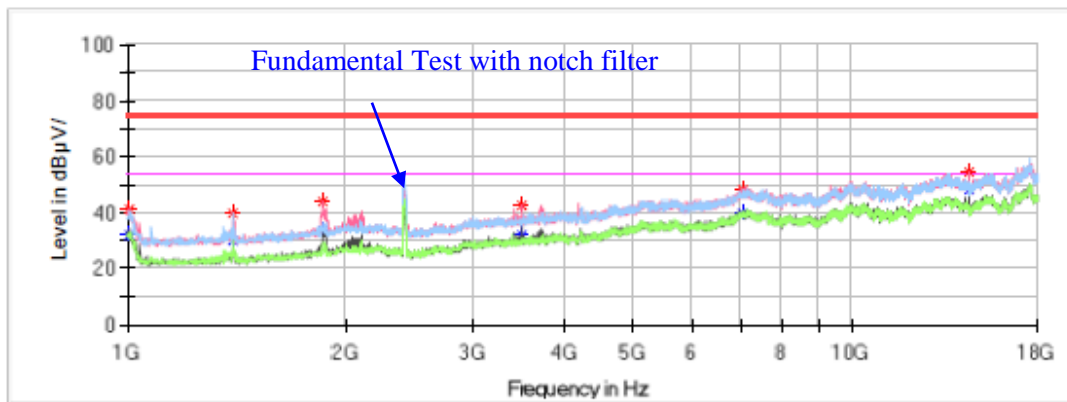
802.11n-HT20 Mode:

Low Channel : 2412 MHz

### Common Information

Project No.:	RKSA231222003
EUT Model:	MWC-708
Test Mode:	802.11n20 Mode Low Channel of Chain 0&1
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Equipment:	ESU40, 3115, 2641-1
Temperature:	22.1°C
Humidity:	45%
Atmospheric pressure:	102.2KPa
Test Engineer:	Peter Wang
Test Date:	2024/1/18

Full Spectrum



### Critical Freqs

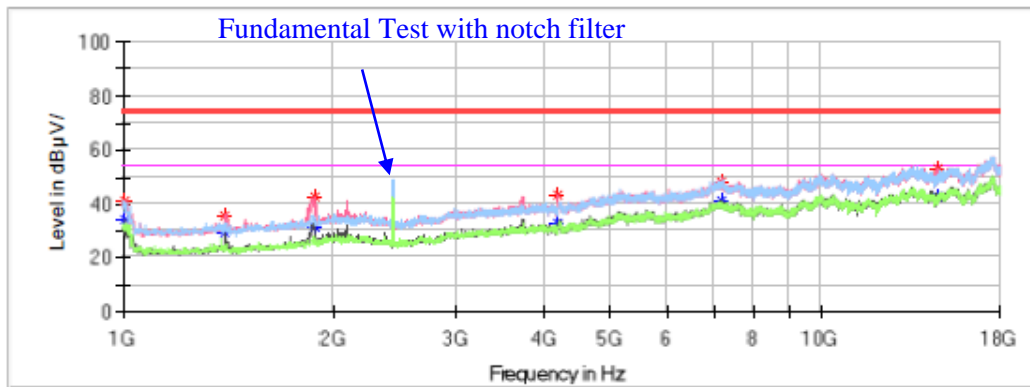
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1003.400000	---	31.85	54.00	22.15	H	-15.5
1003.400000	41.54	---	74.00	32.46	V	-15.5
1397.800000	---	29.93	54.00	24.07	H	-14.3
1397.800000	39.61	---	74.00	34.39	H	-14.3
1860.200000	---	33.90	54.00	20.10	V	-11.5
1860.200000	44.02	---	74.00	29.98	V	-11.5
3495.600000	---	31.83	54.00	22.17	V	-6.1
3495.600000	42.74	---	74.00	31.26	V	-6.1
7070.700000	---	39.85	54.00	14.15	H	3.8
7070.700000	48.46	---	74.00	25.54	H	3.8
14472.500000	---	48.38	54.00	5.62	V	8.3
14472.500000	54.55	---	74.00	19.45	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.1℃  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



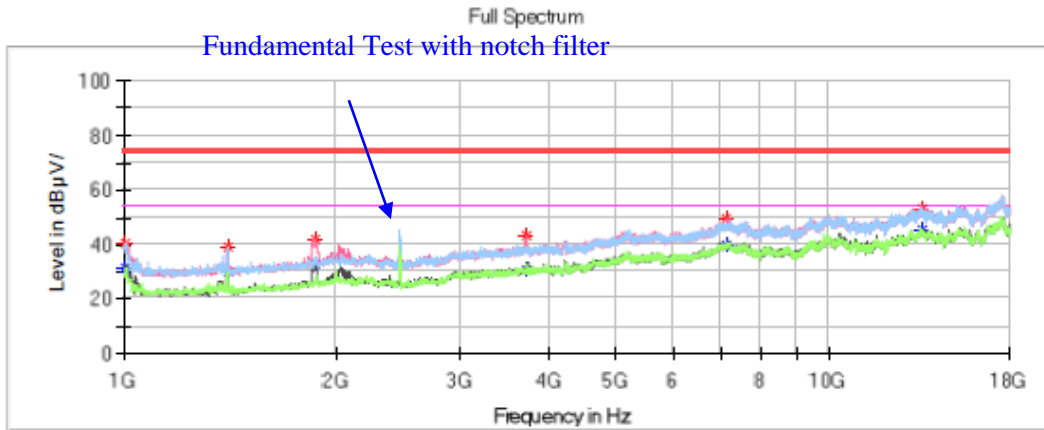
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µV/m)	Average (dB µV/m)				
1005.100000	41.60	---	74.00	32.40	V	-15.5
1005.100000	---	34.09	54.00	19.91	V	-15.5
1401.200000	---	29.67	54.00	24.33	V	-14.2
1401.200000	35.64	---	74.00	38.36	V	-14.2
1877.200000	---	31.49	54.00	22.51	V	-11.4
1877.200000	42.91	---	74.00	31.09	V	-11.4
4190.900000	---	32.57	54.00	21.43	V	-4.6
4190.900000	43.07	---	74.00	30.93	V	-4.6
7186.300000	---	41.57	54.00	12.43	V	3.9
7186.300000	48.42	---	74.00	25.58	V	3.9
14623.800000	---	42.97	54.00	11.03	V	8.6
14623.800000	52.86	---	74.00	21.14	V	8.6

**High Channel : 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1005.100000	---	31.71	54.00	22.29	V	-15.5
1005.100000	40.73	---	74.00	33.27	H	-15.5
1402.900000	---	30.33	54.00	23.67	H	-14.2
1402.900000	38.95	---	74.00	35.05	H	-14.2
1865.300000	---	33.15	54.00	20.85	V	-11.5
1865.300000	41.87	---	74.00	32.13	V	-11.5
3720.000000	43.33	---	74.00	30.67	V	-5.6
3720.000000	---	31.02	54.00	22.98	V	-5.6
7145.500000	---	40.03	54.00	13.97	V	3.9
7145.500000	49.34	---	74.00	24.66	V	3.9
13501.800000	---	45.49	54.00	8.51	H	11.0
13501.800000	53.22	---	74.00	20.78	V	11.0

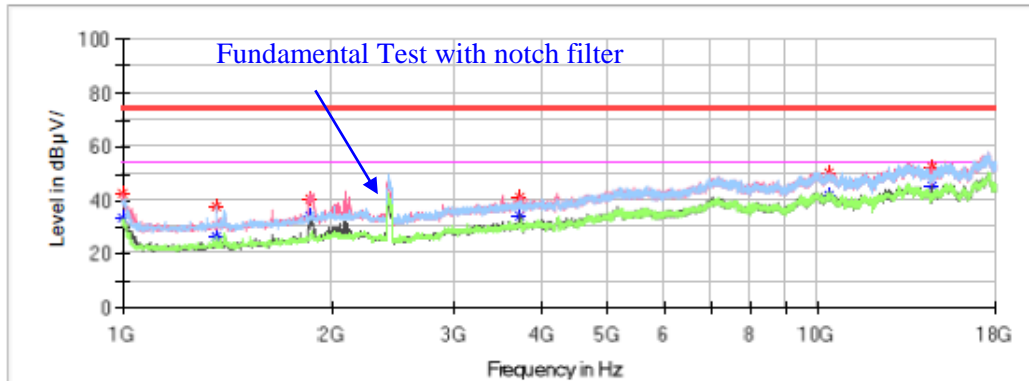
802.11n-HT40 Mode:

Low Channel : 2422 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

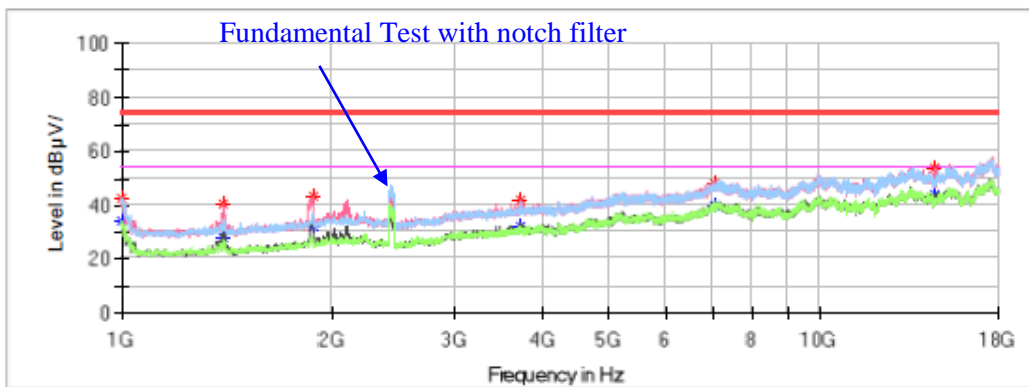
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1000.000000	---	33.75	54.00	20.25	V	-15.5
1000.000000	42.44	---	74.00	31.56	V	-15.5
1363.800000	---	26.37	54.00	27.63	H	-14.4
1363.800000	38.03	---	74.00	35.97	H	-14.4
1855.100000	---	34.07	54.00	19.93	V	-11.5
1855.100000	40.51	---	74.00	33.49	V	-11.5
3735.300000	---	34.59	54.00	19.41	V	-5.6
3735.300000	41.38	---	74.00	32.62	V	-5.6
10382.300000	---	42.11	54.00	11.89	V	7.4
10382.300000	50.55	---	74.00	23.45	V	7.4
14533.700000	52.52	---	74.00	21.48	V	8.3
14533.700000	---	45.62	54.00	8.38	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.1℃  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

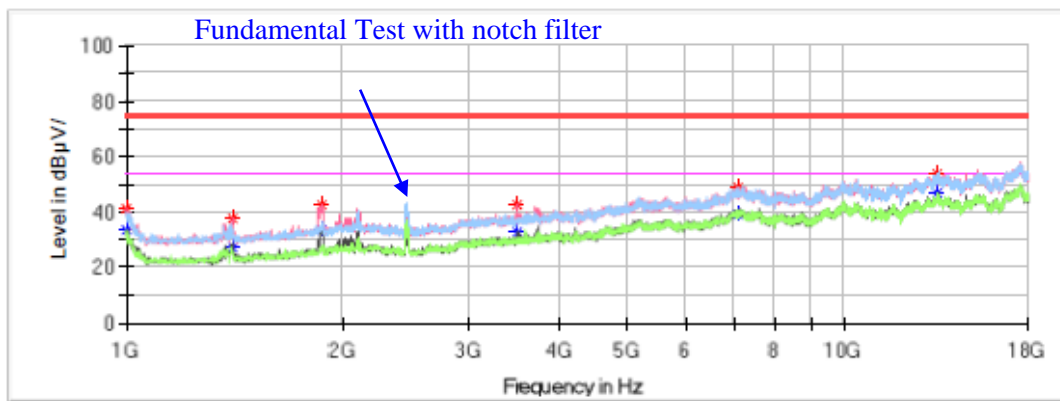
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	--	34.02	54.00	19.98	H	-15.5
1001.700000	42.42	--	74.00	31.58	H	-15.5
1401.200000	--	27.91	54.00	26.09	V	-14.2
1401.200000	40.48	--	74.00	33.52	V	-14.2
1877.200000	--	32.15	54.00	21.85	V	-11.4
1877.200000	43.06	--	74.00	30.94	V	-11.4
3726.800000	--	32.26	54.00	21.74	V	-5.6
3726.800000	42.10	--	74.00	31.90	V	-5.6
7045.200000	--	39.72	54.00	14.28	V	3.8
7045.200000	48.23	--	74.00	25.77	V	3.8
14622.100000	--	44.10	54.00	9.90	V	8.6
14622.100000	53.71	--	74.00	20.29	V	8.6

**High Channel : 2452 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.1℃  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical\_Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1000.000000	---	33.81	54.00	20.19	H	-15.5
1000.000000	41.25	---	74.00	32.75	V	-15.5
1404.600000	---	26.95	54.00	27.05	V	-14.2
1404.600000	37.90	---	74.00	36.10	V	-14.2
1870.400000	---	33.58	54.00	20.42	V	-11.4
1870.400000	42.77	---	74.00	31.23	V	-11.4
3507.500000	---	32.94	54.00	21.06	V	-6.1
3507.500000	42.35	---	74.00	31.65	V	-6.1
7086.000000	---	39.09	54.00	14.91	V	3.9
7086.000000	48.78	---	74.00	25.22	H	3.9
13478.000000	---	46.61	54.00	7.39	H	10.9
13478.000000	53.84	---	74.00	20.16	H	10.9

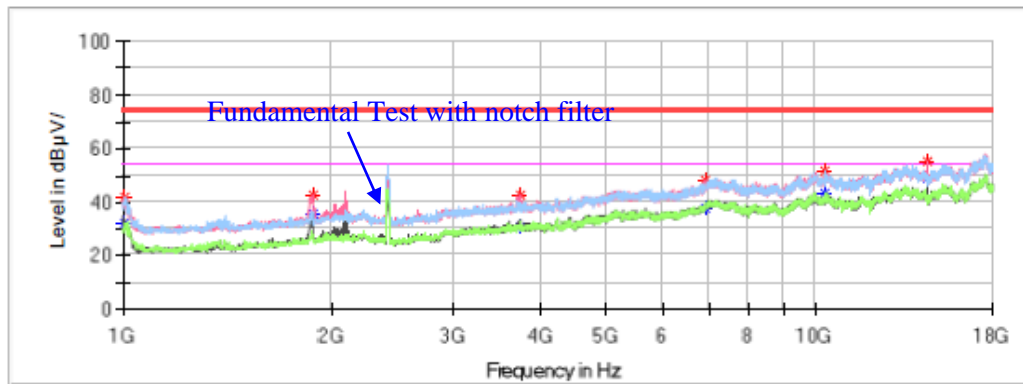
802.11ax-HE20 Mode:

Low Channel : 2412 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

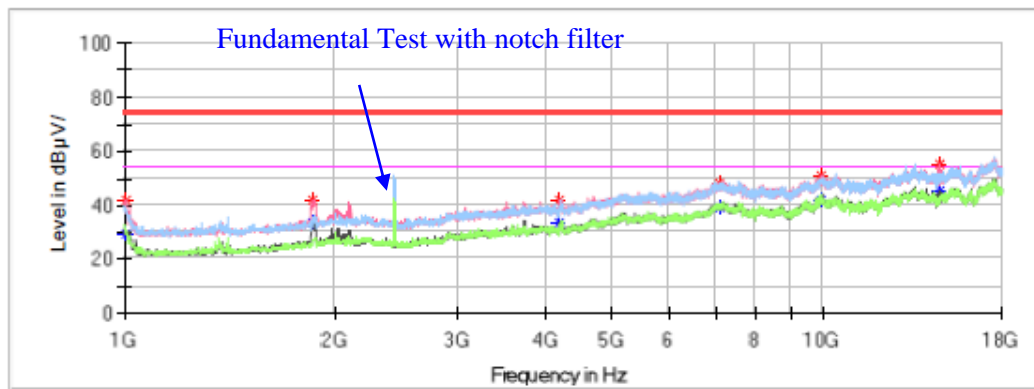
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1005.100000	42.17	---	74.00	31.83	H	-15.5
1005.100000	---	32.25	54.00	21.75	V	-15.5
1878.900000	42.37	---	74.00	31.63	V	-11.4
1878.900000	---	35.42	54.00	18.58	V	-11.4
3747.200000	---	31.07	54.00	22.93	V	-5.6
3747.200000	42.67	---	74.00	31.33	V	-5.6
6929.600000	---	37.50	54.00	16.50	H	3.4
6929.600000	47.99	---	74.00	26.01	V	3.4
10327.900000	---	43.48	54.00	10.52	H	7.5
10327.900000	51.55	---	74.00	22.45	H	7.5
14472.500000	55.08	---	74.00	18.92	V	8.3
14472.500000	---	48.82	54.00	5.18	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1003.400000	---	29.12	54.00	24.88	H	-15.5
1003.400000	41.85	---	74.00	32.15	V	-15.5
1855.100000	---	33.46	54.00	20.54	V	-11.5
1855.100000	41.66	---	74.00	32.34	V	-11.5
4202.800000	---	33.86	54.00	20.14	V	-4.5
4202.800000	41.84	---	74.00	32.16	V	-4.5
7086.000000	---	38.95	54.00	15.05	H	3.9
7086.000000	47.95	---	74.00	26.05	H	3.9
9940.300000	---	41.82	54.00	12.18	V	7.6
9940.300000	51.32	---	74.00	22.68	V	7.6
14623.800000	---	45.34	54.00	8.66	V	8.6
14623.800000	55.34	---	74.00	18.66	V	8.6

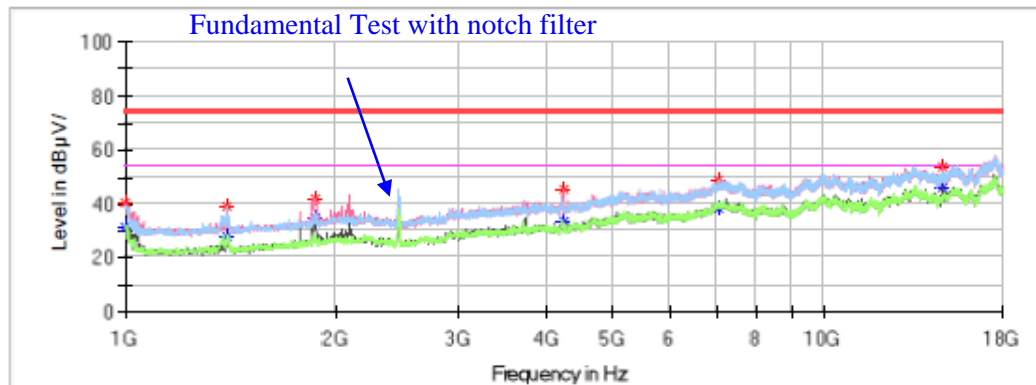


**High Channel : 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.1°C  
 Humidity: 45%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1000.000000	---	31.75	54.00	22.25	V	-15.5
1000.000000	40.55	---	74.00	33.45	V	-15.5
1396.100000	---	27.71	54.00	26.29	H	-14.3
1396.100000	39.00	---	74.00	35.00	H	-14.3
1872.100000	---	34.96	54.00	19.04	V	-11.4
1872.100000	42.15	---	74.00	31.85	V	-11.4
4231.700000	---	33.88	54.00	20.12	V	-4.5
4231.700000	45.25	---	74.00	28.75	V	-4.5
7065.600000	---	38.54	54.00	15.46	V	3.8
7065.600000	48.88	---	74.00	25.12	H	3.8
14773.400000	---	46.11	54.00	7.89	V	9.2
14773.400000	54.18	---	74.00	19.82	V	9.2

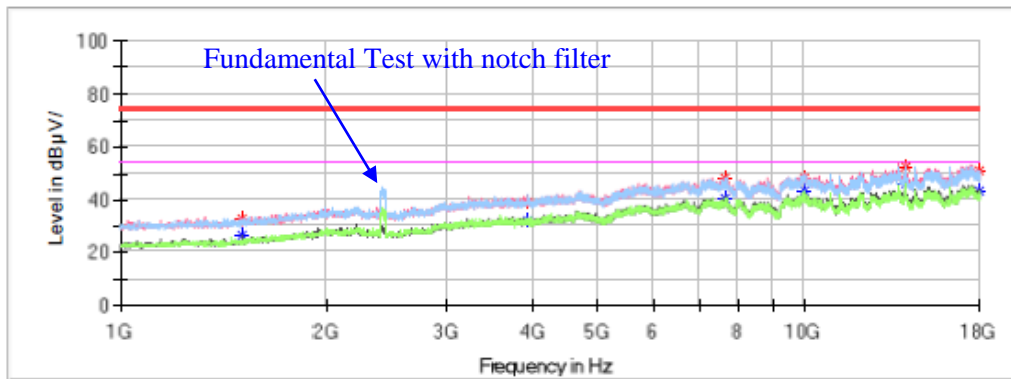
**802.11ax-HE40 Mode:**

**Low Channel : 2422 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.3℃  
 Humidity: 51%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/2/1

Full Spectrum



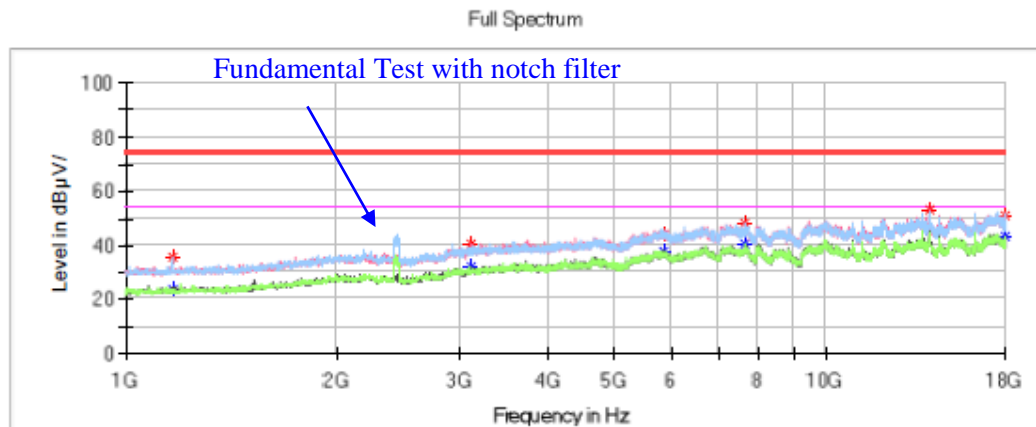
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1504.900000	---	26.59	54.00	27.41	V	-13.9
1504.900000	33.04	---	74.00	40.96	V	-13.9
3930.800000	---	32.06	54.00	21.94	V	-5.2
3930.800000	39.25	---	74.00	34.75	V	-5.2
7641.900000	---	40.46	54.00	13.54	H	4.1
7641.900000	48.12	---	74.00	25.88	H	4.1
9957.300000	---	43.11	54.00	10.89	H	7.7
9957.300000	48.50	---	74.00	25.50	H	7.7
14001.600000	52.39	---	74.00	21.61	H	10.5
14001.600000	---	45.88	54.00	8.12	H	10.5
18000.000000	---	43.18	54.00	10.82	V	11.5
18000.000000	51.35	---	74.00	22.65	V	11.5

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.3°C  
 Humidity: 51%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/2/1



**Critical Freqs**

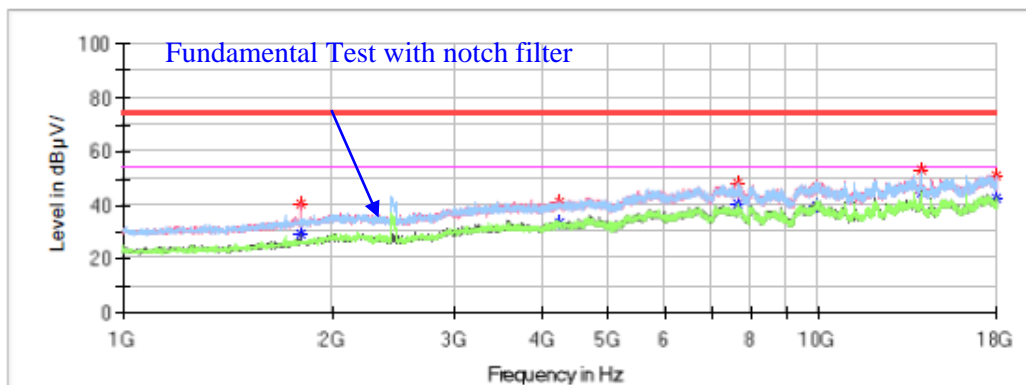
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1164.900000	---	23.62	54.00	30.38	H	-15.0
1164.900000	35.33	---	74.00	38.67	H	-15.0
3114.800000	---	32.10	54.00	21.90	V	-7.6
3114.800000	40.34	---	74.00	33.66	V	-7.6
5843.300000	---	38.07	54.00	15.93	V	0.4
5843.300000	43.92	---	74.00	30.08	V	0.4
7645.300000	---	40.46	54.00	13.54	V	4.1
7645.300000	47.97	---	74.00	26.03	V	4.1
14001.600000	---	45.41	54.00	8.59	V	10.5
14001.600000	53.19	---	74.00	20.81	V	10.5
18000.000000	---	43.24	54.00	10.76	H	11.5
18000.000000	50.77	---	74.00	23.23	H	11.5

**High Channel : 2452 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.3℃  
 Humidity: 51%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/2/1

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1799.000000	---	29.16	54.00	24.84	V	-11.9
1799.000000	40.40	---	74.00	33.60	V	-11.9
4236.800000	---	33.54	54.00	20.46	V	-4.5
4236.800000	41.14	---	74.00	32.86	V	-4.5
7641.900000	---	40.35	54.00	13.65	V	4.1
7641.900000	48.35	---	74.00	25.65	V	4.1
9901.200000	---	39.98	54.00	14.02	V	7.5
9901.200000	47.07	---	74.00	26.93	V	7.5
14003.300000	---	44.61	54.00	9.39	V	10.5
14003.300000	52.84	---	74.00	21.16	V	10.5
18000.000000	---	42.75	54.00	11.25	V	11.5
18000.000000	51.21	---	74.00	22.79	V	11.5

**Restricted Bands Emissions Test:**

Note:

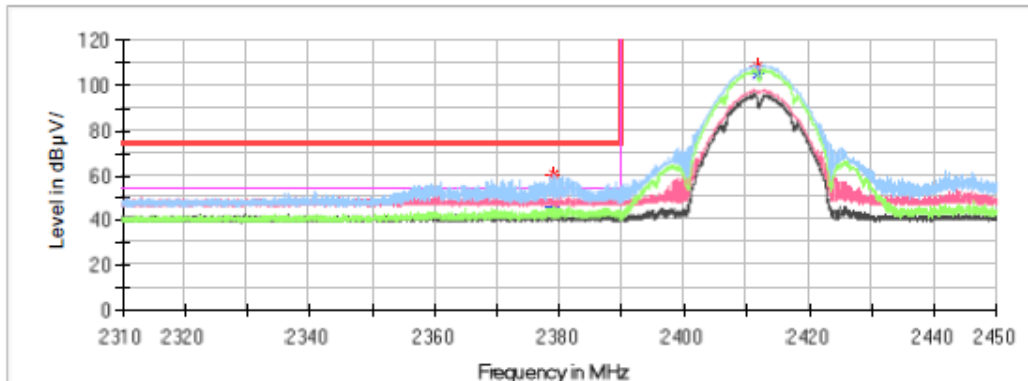
- 1. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
- Corrected Amplitude (dBµV/m) = Corrected Factor (dB/m) + Reading (dBµV)
- Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

802.11b Mode:

**Common Information**

Project No.:	RKSA231222003
EUT Model:	MWC-708
Test Mode:	802.11b Mode Low Channel of Chain 0
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Equipment:	ESU40、3115、2641-1
Temperature:	22.3°C
Humidity:	51%
Atmospheric pressure:	102.5KPa
Test Engineer:	Peter Wang
Test Date:	2024/2/1

Full Spectrum



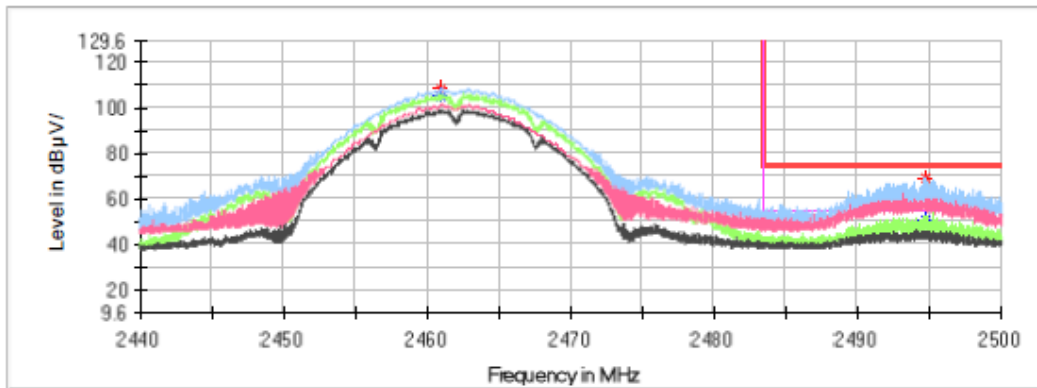
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2378.950000	--	46.51	54.00	7.49	H	0.0
2378.950000	60.06	---	74.00	13.94	H	0.0
2411.598000	--	104.60	---	---	H	0.1
2411.598000	108.36	---	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 20.3°C  
 Humidity: 52%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

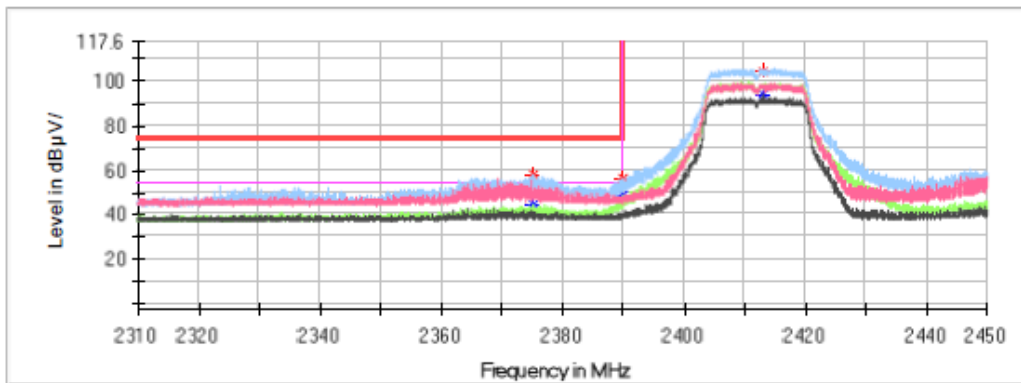
Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2461.012000	---	105.25	---	---	H	0.2
2461.012000	108.50	---	---	---	H	0.2
2494.708000	---	50.87	54.00	3.13	H	0.2
2494.708000	68.92	---	74.00	5.08	H	0.2

802.11g Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 20.3°C  
 Humidity: 52%  
 Atmospheric pressure: 101.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



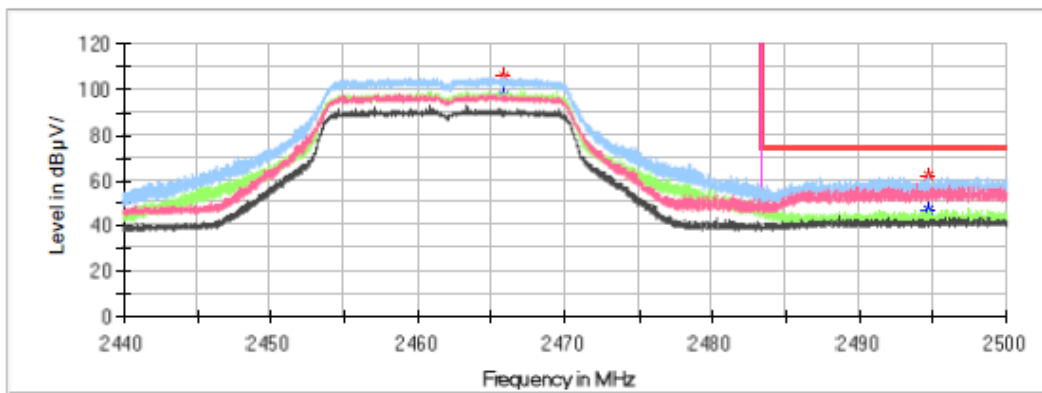
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2375.086000	---	44.40	54.00	9.60	H	0.0
2375.086000	57.96	---	74.00	16.04	H	0.0
2389.996000	---	48.64	54.00	5.36	H	0.1
2389.996000	56.57	---	74.00	17.43	H	0.1
2413.138000	103.96	---	---	---	H	0.1
2413.138000	---	94.50	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode High Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 20.3°C  
 Humidity: 52%  
 Atmospheric pressure: 101.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2465.926000	---	97.64	---	---	H	0.2
2465.926000	105.47	---	---	---	H	0.2
2483.506000	53.12	---	74.00	20.88	H	0.2
2483.506000	---	49.05	54.00	4.95	H	0.2
2494.750000	62.48	---	74.00	11.52	H	0.2
2494.750000	---	46.87	54.00	7.13	H	0.2

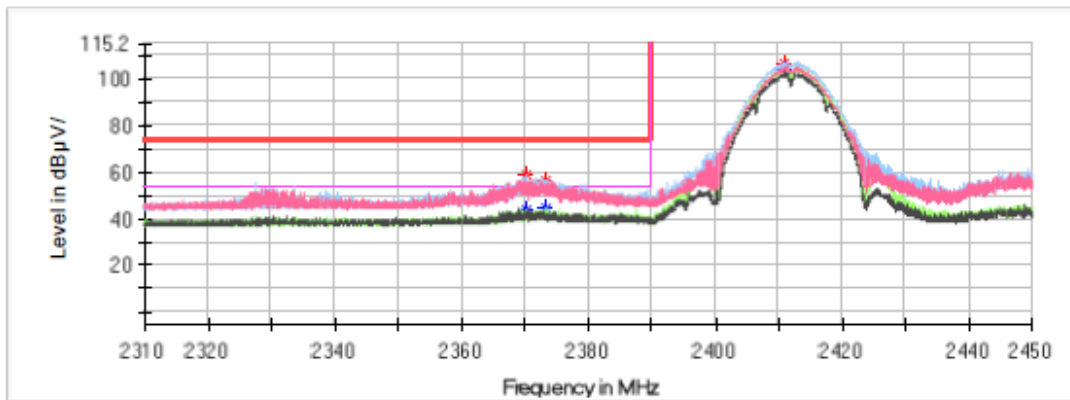


802.11b Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 20.3℃  
 Humidity: 52%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



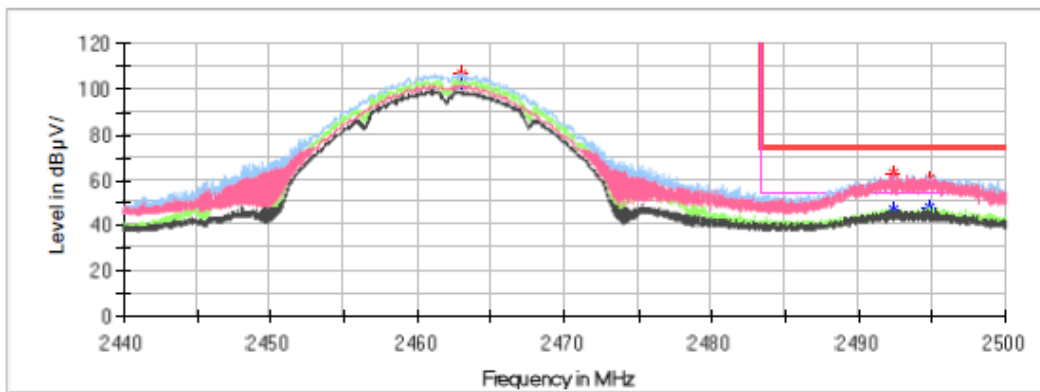
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2370.284000	59.32	---	74.00	14.68	H	0.0
2370.284000	---	44.09	54.00	9.91	H	0.0
2373.280000	56.06	---	74.00	17.94	H	0.0
2373.280000	---	44.90	54.00	9.10	H	0.0
2411.010000	---	104.43	---	---	H	0.1
2411.010000	107.05	---	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 20.3°C  
 Humidity: 52%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

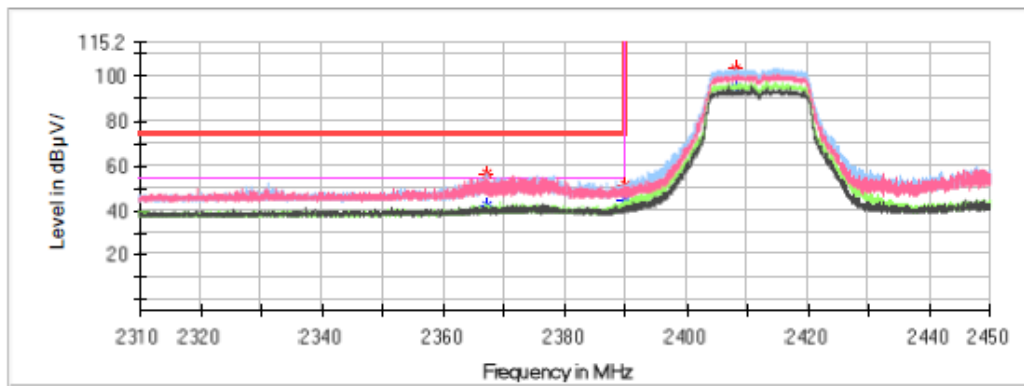
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2462.986000	---	102.37	---	---	H	0.2
2462.986000	106.65	---	---	---	H	0.2
2492.392000	---	47.38	54.00	6.62	V	0.2
2492.392000	63.30	---	74.00	10.70	V	0.2
2494.798000	---	47.93	54.00	6.07	H	0.2
2494.798000	60.83	---	74.00	13.17	H	0.2

802.11g Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 20.3°C  
 Humidity: 52%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum

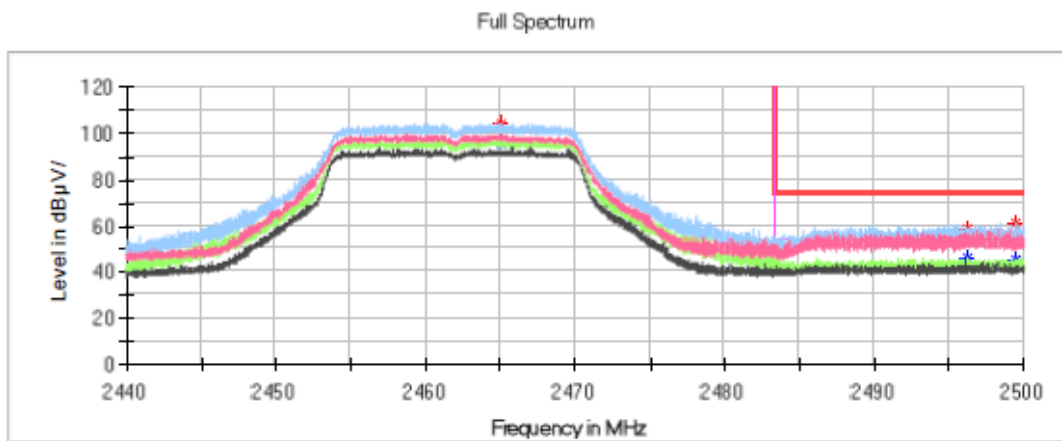


**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2367.218000	---	42.36	54.00	11.64	H	0.0
2367.218000	56.38	---	74.00	17.62	H	0.0
2389.940000	---	44.39	54.00	9.61	H	0.1
2389.940000	51.48	---	74.00	22.52	H	0.1
2408.070000	---	94.85	---	---	H	0.1
2408.070000	103.45	---	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 20.3°C  
 Humidity: 52%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17



### Critical Freqs

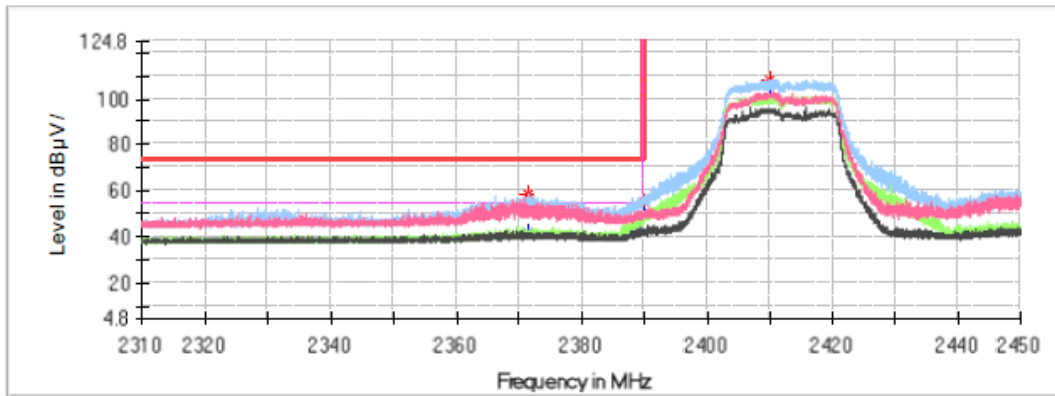
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2465.074000	104.46	---	---	---	H	0.2
2465.074000	---	95.54	---	---	H	0.2
2496.250000	---	46.36	54.00	7.64	H	0.2
2496.250000	58.97	---	74.00	15.03	H	0.2
2499.508000	---	45.34	54.00	8.66	H	0.2
2499.508000	61.07	---	74.00	12.93	H	0.2

802.11n-HT20 Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode Low Cannel of chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5℃  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



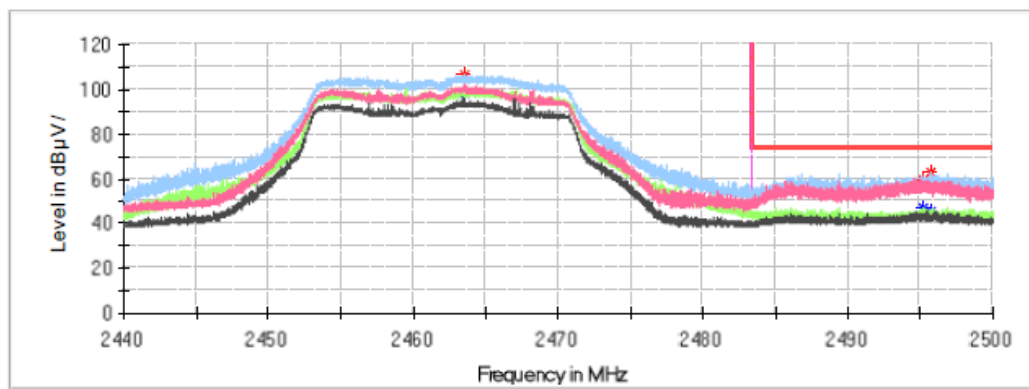
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2371.586000	58.73	---	74.00	15.27	H	0.0
2371.586000	---	41.34	54.00	12.66	H	0.0
2389.954000	54.83	---	74.00	19.17	H	0.1
2389.954000	---	49.38	54.00	4.62	H	0.1
2409.932000	107.92	---	---	---	H	0.1
2409.932000	---	100.21	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode High Chanel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5℃  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

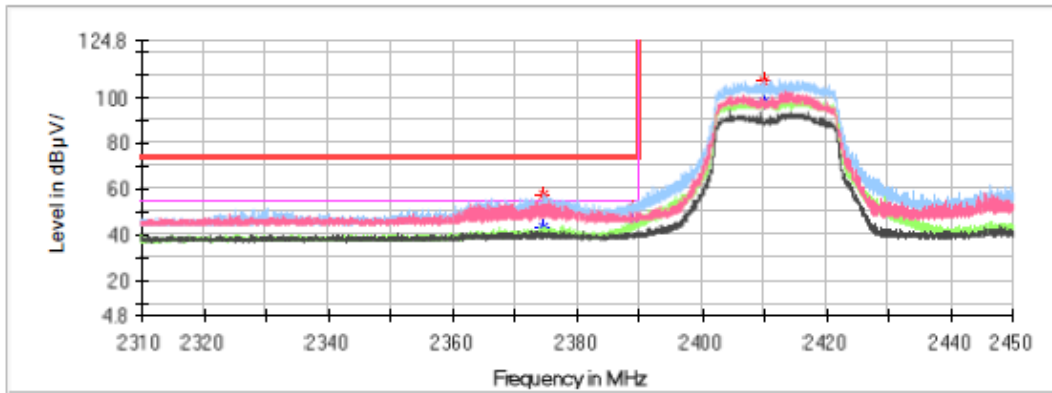
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2463.574000	106.24	---	---	---	H	0.2
2463.574000	---	98.26	---	---	H	0.2
2495.248000	59.99	---	74.00	14.01	H	0.2
2495.248000	---	46.76	54.00	7.24	H	0.2
2495.758000	62.79	---	74.00	11.21	H	0.2
2495.758000	---	45.08	54.00	8.92	H	0.2

802.11ax-HE20 Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5℃  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



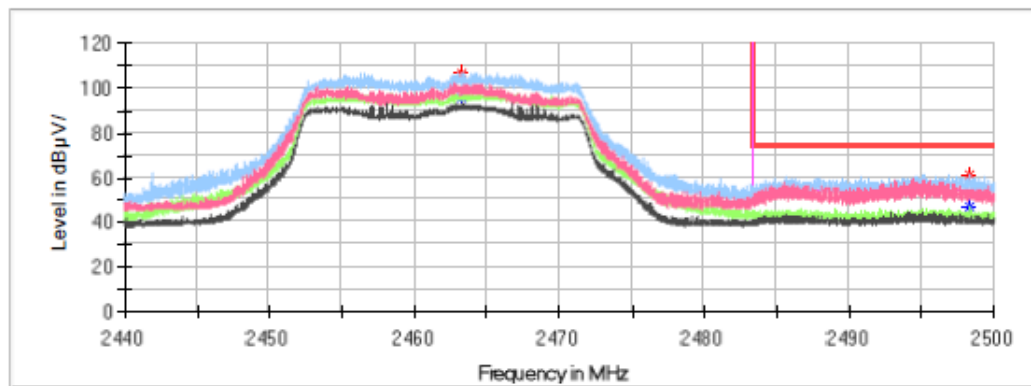
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2374.736000	57.60	---	74.00	16.40	H	0.0
2374.736000	---	43.07	54.00	10.93	H	0.0
2389.226000	51.49	---	74.00	22.51	H	0.1
2389.226000	---	46.35	54.00	7.65	H	0.1
2409.904000	---	97.81	---	---	H	0.1
2409.904000	107.00	---	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2463.280000	---	95.81	---	---	H	0.2
2463.280000	106.48	---	---	---	H	0.2
2498.356000	61.13	---	74.00	12.87	H	0.2
2498.356000	---	47.27	54.00	6.73	H	0.2

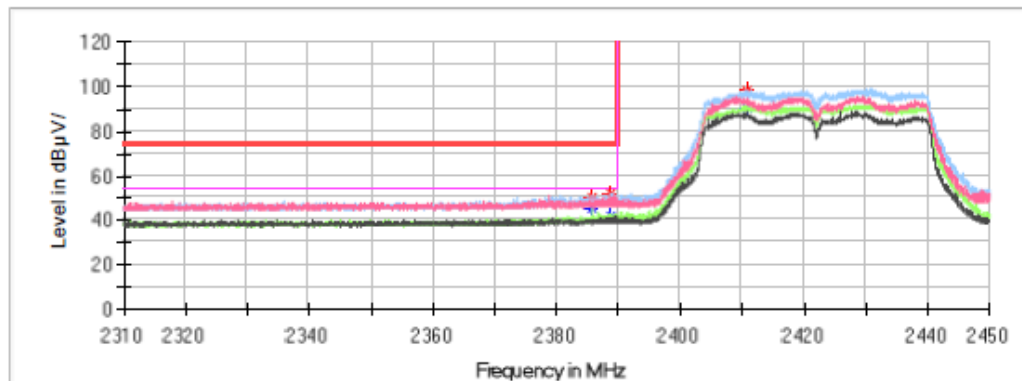


802.11n-HT40 Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



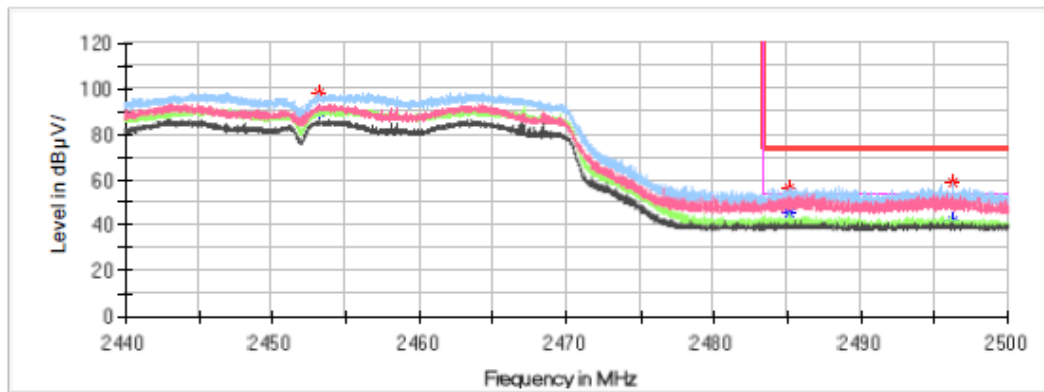
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2385.810000	49.98	---	74.00	24.02	H	0.1
2385.810000	---	45.00	54.00	9.00	H	0.1
2388.638000	52.10	---	74.00	21.90	H	0.1
2388.638000	---	41.94	54.00	12.06	H	0.1
2410.814000	---	90.97	---	---	H	0.1
2410.814000	98.19	---	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5℃  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

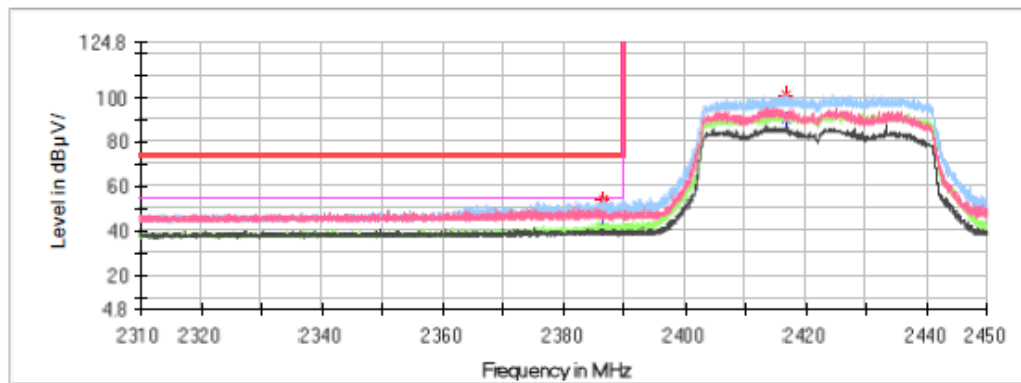
Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2453.218000	--	89.94	--	--	H	0.2
2453.218000	97.90	--	--	--	H	0.2
2485.078000	56.35	--	74.00	17.65	H	0.2
2485.078000	--	45.50	54.00	8.50	H	0.2
2496.244000	58.44	--	74.00	15.56	H	0.2
2496.244000	--	42.22	54.00	11.78	H	0.2

802.11ax-HE40 Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



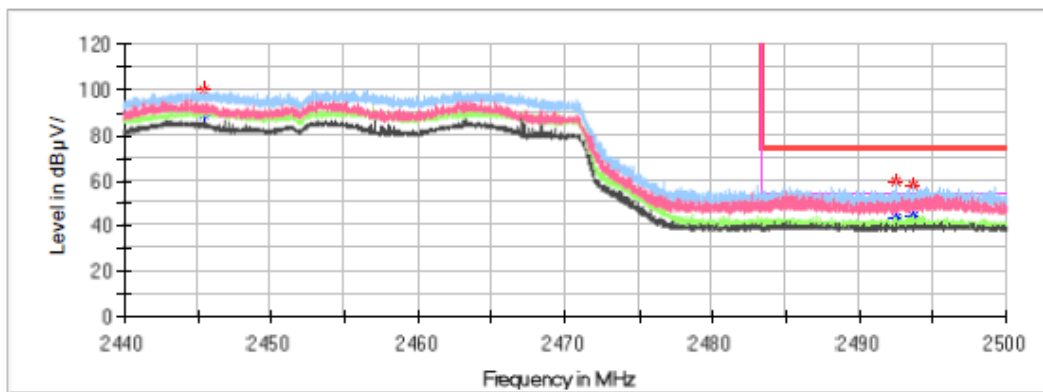
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2386.524000	53.98	---	74.00	20.02	H	0.1
2386.524000	---	42.08	54.00	11.92	H	0.1
2416.736000	---	90.30	---	---	H	0.1
2416.736000	101.47	---	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5℃  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2445.454000	---	89.14	---	---	H	0.2
2445.454000	99.58	---	---	---	H	0.2
2492.458000	59.58	---	74.00	14.42	H	0.2
2492.458000	---	43.81	54.00	10.19	H	0.2
2493.646000	57.84	---	74.00	16.16	H	0.2
2493.646000	---	44.52	54.00	9.48	H	0.2

**For ROD-1 antenna:  
1GHz-18GHz:**

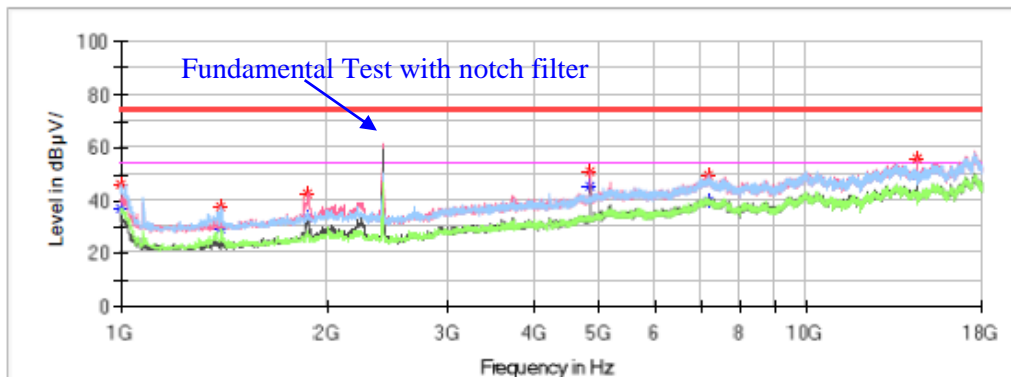
**802.11b Mode:**

**Low Channel: 2412 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Low Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

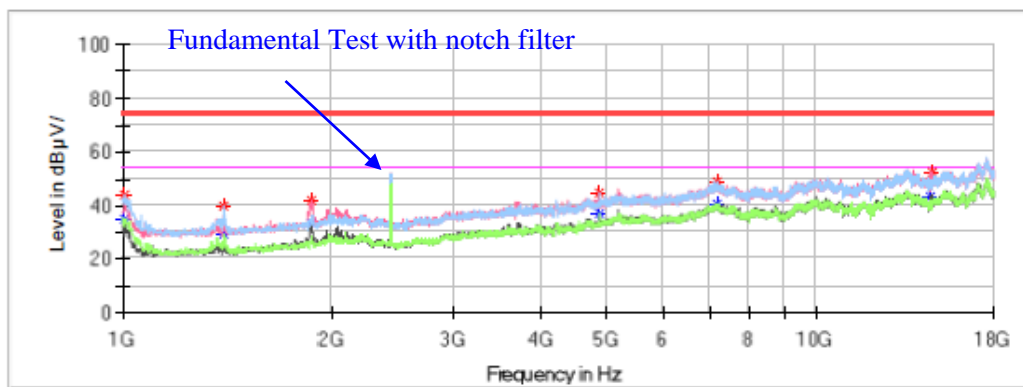
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	---	37.25	54.00	16.75	H	-15.5
1001.700000	46.33	---	74.00	27.67	H	-15.5
1401.200000	---	29.09	54.00	24.91	H	-14.2
1401.200000	37.41	---	74.00	36.59	H	-14.2
1872.100000	---	33.34	54.00	20.66	V	-11.4
1872.100000	42.79	---	74.00	31.21	V	-11.4
4823.300000	---	45.21	54.00	8.79	V	-2.1
4823.300000	51.31	---	74.00	22.69	V	-2.1
7167.600000	---	39.81	54.00	14.19	H	3.9
7167.600000	49.48	---	74.00	24.52	H	3.9
14472.500000	56.18	---	74.00	17.82	V	8.3
14472.500000	---	49.54	54.00	4.46	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Middle Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

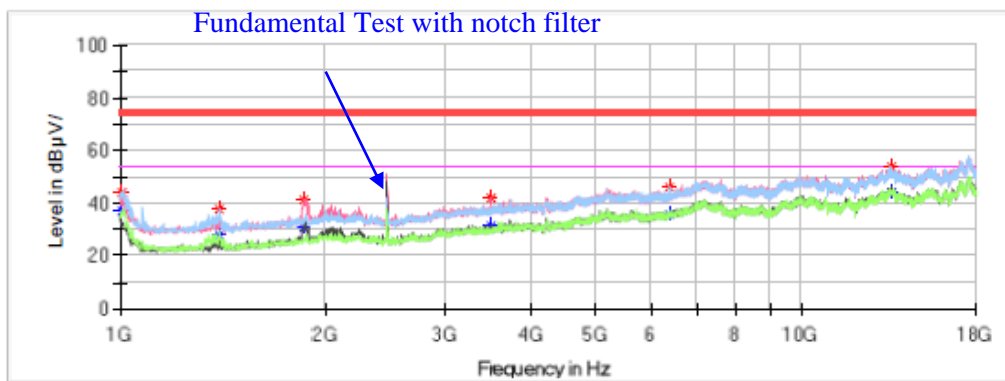
Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1006.800000	---	35.04	54.00	18.96	H	-15.5
1006.800000	43.81	---	74.00	30.19	H	-15.5
1401.200000	---	29.05	54.00	24.95	H	-14.2
1401.200000	40.08	---	74.00	33.92	H	-14.2
1873.800000	---	33.38	54.00	20.62	V	-11.4
1873.800000	41.79	---	74.00	32.21	V	-11.4
4874.300000	---	37.02	54.00	16.98	H	-1.9
4874.300000	44.88	---	74.00	29.12	H	-1.9
7194.800000	---	40.31	54.00	13.69	H	3.9
7194.800000	48.95	---	74.00	25.05	H	3.9
14622.100000	---	43.50	54.00	10.50	V	8.6
14622.100000	52.57	---	74.00	21.43	V	8.6

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1003.400000	---	36.99	54.00	17.01	H	-15.5
1003.400000	44.39	---	74.00	29.61	H	-15.5
1401.200000	---	28.26	54.00	25.74	H	-14.2
1401.200000	37.60	---	74.00	36.40	H	-14.2
1863.600000	---	30.67	54.00	23.33	V	-11.5
1863.600000	41.09	---	74.00	32.91	V	-11.5
3500.700000	---	31.33	54.00	22.67	V	-6.1
3500.700000	41.90	---	74.00	32.10	V	-6.1
6407.700000	---	35.67	54.00	18.33	H	0.7
6407.700000	45.99	---	74.00	28.01	H	0.7
13554.500000	---	44.02	54.00	9.98	V	10.9
13554.500000	54.06	---	74.00	19.94	V	10.9

1GHz-18GHz:

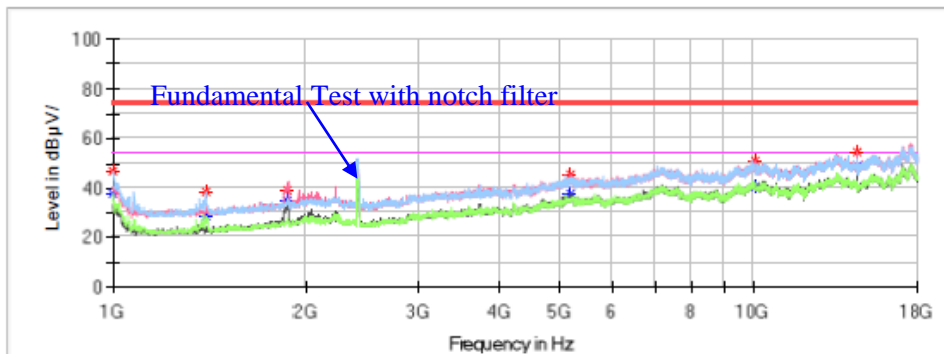
802.11g Mode:

Low Channel: 2412 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

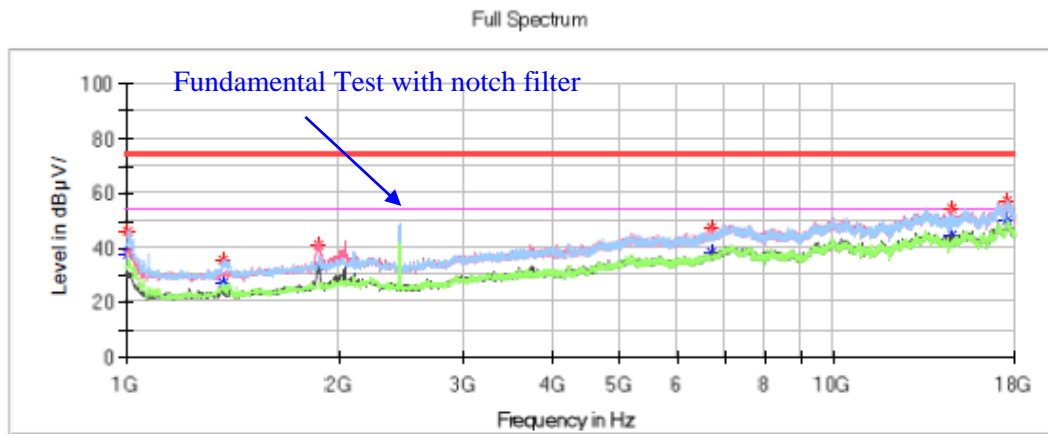
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	---	37.64	54.00	16.36	H	-15.5
1001.700000	46.92	---	74.00	27.08	H	-15.5
1394.400000	---	28.51	54.00	25.49	H	-14.3
1394.400000	38.14	---	74.00	35.86	H	-14.3
1868.700000	---	35.24	54.00	18.76	V	-11.5
1868.700000	39.39	---	74.00	34.61	V	-11.5
5178.600000	---	37.57	54.00	16.43	V	-0.5
5178.600000	45.79	---	74.00	28.21	V	-0.5
10027.000000	---	40.59	54.00	13.41	V	7.8
10027.000000	50.97	---	74.00	23.03	V	7.8
14472.500000	54.78	---	74.00	19.22	V	8.3
14472.500000	---	48.84	54.00	5.16	V	8.3



**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Middle Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17



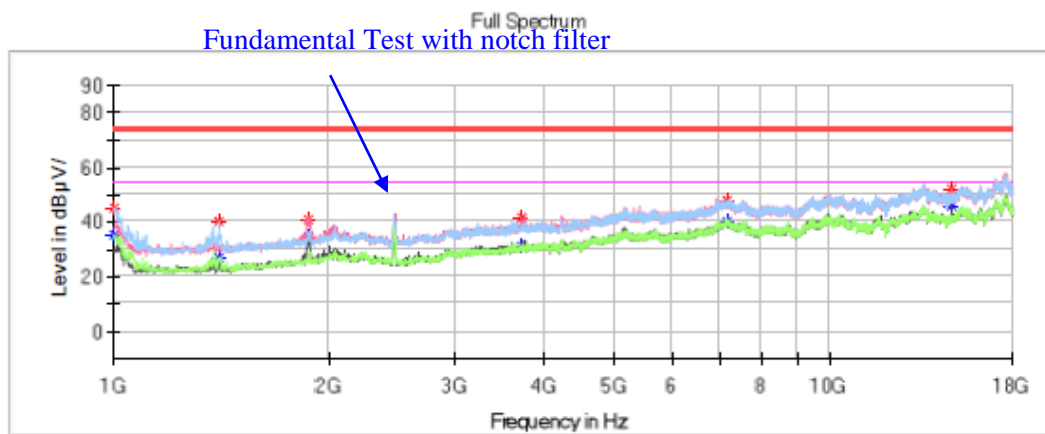
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µV/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µV/m)	Average (dB µV/m)				
1006.800000	--	37.57	54.00	16.43	H	-15.5
1006.800000	46.33	--	74.00	27.67	H	-15.5
1372.300000	--	27.49	54.00	26.51	H	-14.3
1372.300000	35.63	--	74.00	38.37	H	-14.3
1868.700000	--	33.68	54.00	20.32	V	-11.5
1868.700000	41.36	--	74.00	32.64	V	-11.5
6717.100000	--	38.23	54.00	15.77	V	2.1
6717.100000	47.33	--	74.00	26.67	V	2.1
14623.800000	--	44.78	54.00	9.22	V	8.6
14623.800000	54.51	--	74.00	19.49	V	8.6
17586.900000	--	50.03	54.00	3.97	H	13.3
17586.900000	57.47	--	74.00	16.53	H	13.3

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode High Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	---	35.15	54.00	18.85	H	-15.5
1001.700000	44.95	---	74.00	29.05	H	-15.5
1401.200000	---	27.02	54.00	26.98	H	-14.2
1401.200000	40.02	---	74.00	33.98	H	-14.2
1865.300000	---	34.89	54.00	19.11	V	-11.5
1865.300000	40.71	---	74.00	33.29	V	-11.5
3714.900000	---	31.29	54.00	22.71	V	-5.7
3714.900000	42.04	---	74.00	31.96	V	-5.7
7171.000000	---	40.13	54.00	13.87	H	3.9
7171.000000	47.85	---	74.00	26.15	H	3.9
14773.400000	---	45.82	54.00	8.18	V	9.2
14773.400000	52.43	---	74.00	21.57	V	9.2

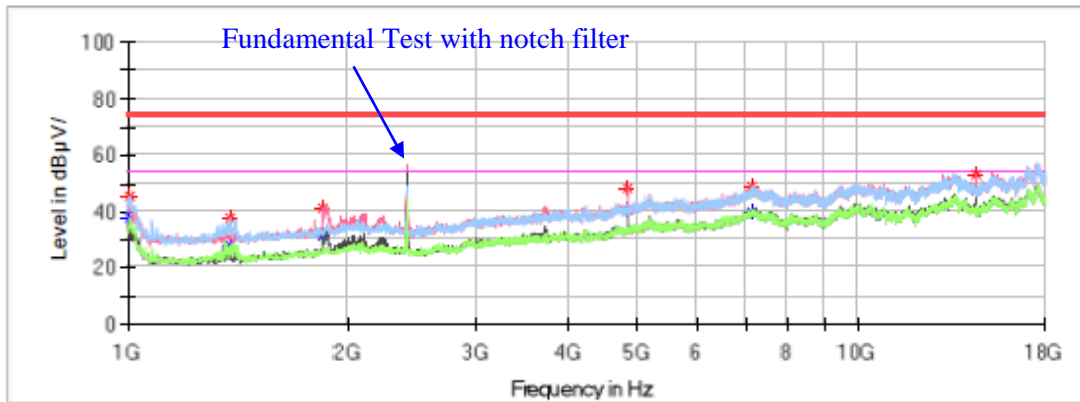
802.11b Mode:

Low Channel: 2412 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



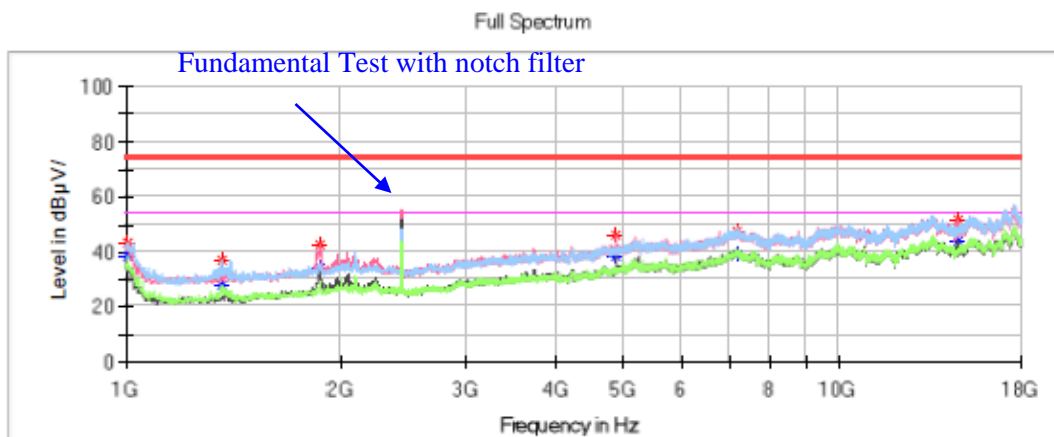
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1005.100000	---	37.76	54.00	16.24	H	-15.5
1005.100000	45.42	---	74.00	28.58	H	-15.5
1380.800000	---	27.87	54.00	26.13	H	-14.3
1380.800000	38.03	---	74.00	35.97	H	-14.3
1848.300000	---	31.26	54.00	22.74	V	-11.6
1848.300000	40.91	---	74.00	33.09	V	-11.6
4823.300000	---	40.75	54.00	13.25	V	-2.1
4823.300000	48.52	---	74.00	25.48	V	-2.1
7143.800000	---	39.78	54.00	14.22	H	3.9
7143.800000	49.17	---	74.00	24.83	H	3.9
14472.500000	---	47.28	54.00	6.72	V	8.3
14472.500000	53.09	---	74.00	20.91	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Middle Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17



**Critical Freqs**

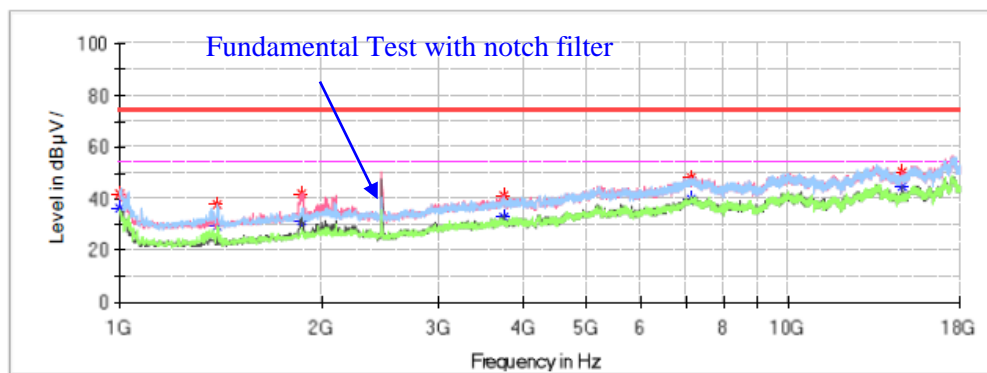
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1005.100000	---	38.32	54.00	15.68	H	-15.5
1005.100000	43.62	---	74.00	30.38	H	-15.5
1360.400000	---	27.94	54.00	26.06	H	-14.4
1360.400000	36.89	---	74.00	37.11	H	-14.4
1870.400000	---	34.38	54.00	19.62	V	-11.4
1870.400000	42.88	---	74.00	31.12	V	-11.4
4874.300000	---	38.15	54.00	15.85	V	-1.9
4874.300000	45.99	---	74.00	28.01	V	-1.9
7210.100000	---	39.16	54.00	14.84	H	4.0
7210.100000	47.58	---	74.00	26.42	H	4.0
14623.800000	---	43.87	54.00	10.13	V	8.6
14623.800000	51.77	---	74.00	22.23	V	8.6

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1000.000000	---	36.09	54.00	17.91	V	-15.5
1000.000000	42.10	---	74.00	31.90	V	-15.5
1399.500000	---	29.39	54.00	24.61	H	-14.2
1399.500000	37.62	---	74.00	36.38	H	-14.2
1875.500000	---	31.73	54.00	22.27	V	-11.4
1875.500000	41.91	---	74.00	32.09	V	-11.4
3743.800000	---	32.67	54.00	21.33	V	-5.6
3743.800000	41.45	---	74.00	32.55	V	-5.6
7138.700000	---	39.71	54.00	14.29	V	3.9
7138.700000	48.46	---	74.00	25.54	V	3.9
14773.400000	---	44.92	54.00	9.08	V	9.2
14773.400000	50.56	---	74.00	23.44	V	9.2

1GHz-18GHz:

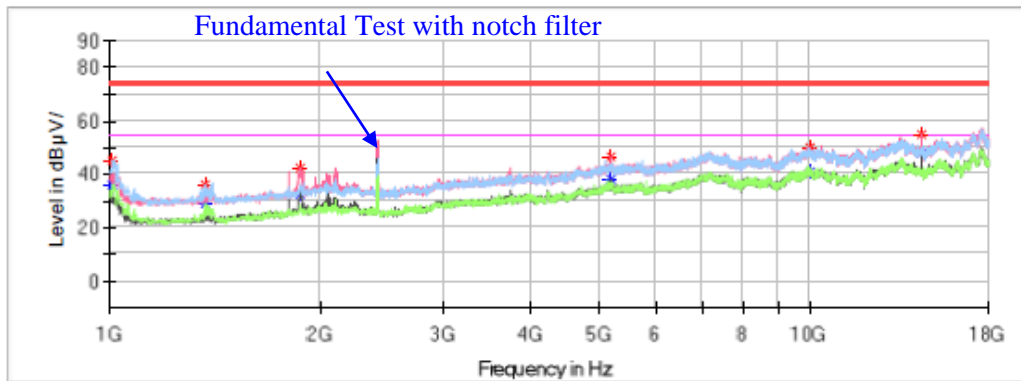
802.11g Mode:

Low Channel: 2412 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

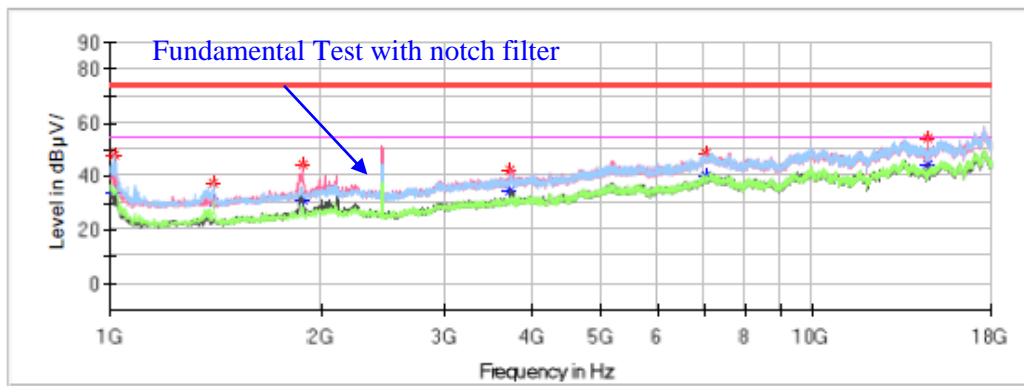
Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1005.100000	---	35.99	54.00	18.01	H	-15.5
1005.100000	45.41	---	74.00	28.59	H	-15.5
1363.800000	---	29.14	54.00	24.86	H	-14.4
1363.800000	36.41	---	74.00	37.59	H	-14.4
1872.100000	---	32.48	54.00	21.52	V	-11.4
1872.100000	42.38	---	74.00	31.62	V	-11.4
5180.300000	---	38.21	54.00	15.79	V	-0.5
5180.300000	46.35	---	74.00	27.65	V	-0.5
9974.300000	---	41.21	54.00	12.79	H	7.7
9974.300000	50.31	---	74.00	23.69	H	7.7
14472.500000	---	48.38	54.00	5.62	V	8.3
14472.500000	55.33	---	74.00	18.67	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Middle Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

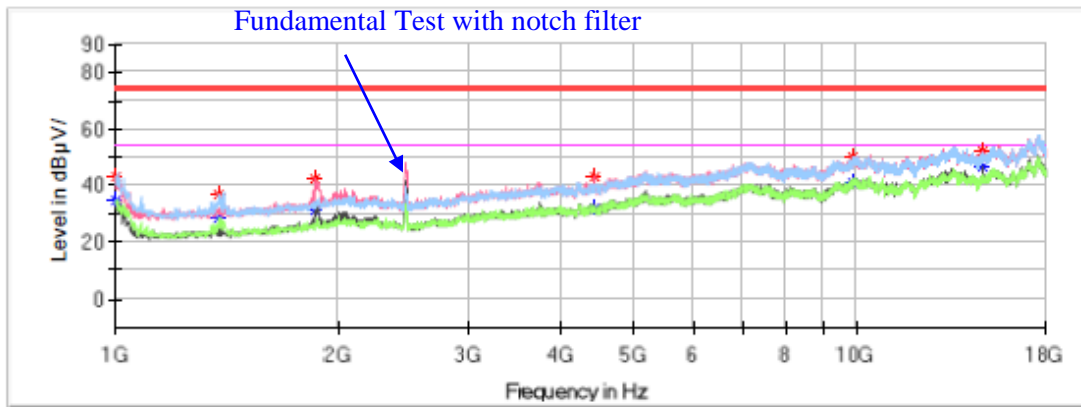
Frequency (MHz)	Corrected Amplitude		Limit (dB μV/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μV/m)	Average (dB μV/m)				
1010.200000	---	34.22	54.00	19.78	H	-15.5
1010.200000	47.75	---	74.00	26.25	H	-15.5
1402.900000	---	30.71	54.00	23.29	H	-14.2
1402.900000	37.37	---	74.00	36.63	H	-14.2
1877.200000	---	31.55	54.00	22.45	V	-11.4
1877.200000	44.43	---	74.00	29.57	V	-11.4
3716.600000	---	34.61	54.00	19.39	V	-5.7
3716.600000	42.36	---	74.00	31.64	V	-5.7
7040.100000	---	40.17	54.00	13.83	H	3.8
7040.100000	48.58	---	74.00	25.42	H	3.8
14623.800000	---	44.57	54.00	9.43	V	8.6
14623.800000	54.61	---	74.00	19.39	V	8.6

**High Channel: 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	---	34.60	54.00	19.40	H	-15.5
1001.700000	43.34	---	74.00	30.66	H	-15.5
1379.100000	---	28.77	54.00	25.23	H	-14.3
1379.100000	37.20	---	74.00	36.80	H	-14.3
1856.800000	---	31.27	54.00	22.73	V	-11.5
1856.800000	42.62	---	74.00	31.38	V	-11.5
4422.100000	---	31.79	54.00	22.21	H	-4.0
4422.100000	42.81	---	74.00	31.19	H	-4.0
9894.400000	---	40.80	54.00	13.20	V	7.5
9894.400000	50.48	---	74.00	23.52	V	7.5
14773.400000	---	46.66	54.00	7.34	V	9.2
14773.400000	52.42	---	74.00	21.58	V	9.2



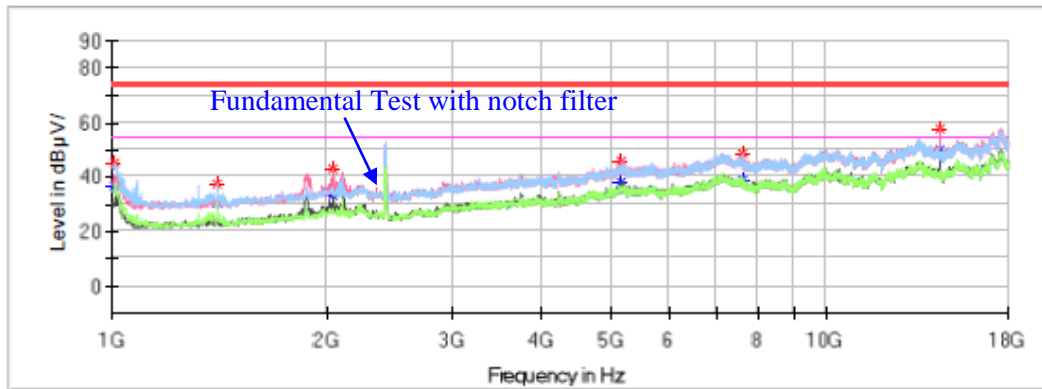
802.11n-HT20 Mode:

Low Channel : 2412 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



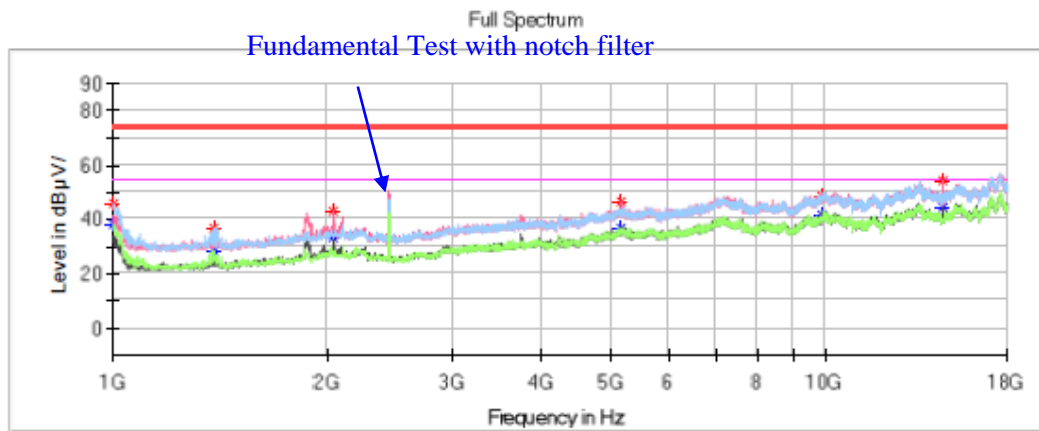
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1005.100000	---	37.00	54.00	17.00	H	-15.5
1005.100000	45.18	---	74.00	28.82	H	-15.5
1402.900000	---	30.54	54.00	23.46	H	-14.2
1402.900000	37.73	---	74.00	36.27	H	-14.2
2040.400000	---	33.41	54.00	20.59	V	-10.5
2040.400000	43.32	---	74.00	30.68	V	-10.5
5173.500000	---	38.23	54.00	15.77	V	-0.5
5173.500000	45.94	---	74.00	28.06	V	-0.5
7618.100000	---	39.04	54.00	14.96	V	4.1
7618.100000	48.71	---	74.00	25.29	V	4.1
14472.500000	---	50.17	54.00	3.83	V	8.3
14472.500000	57.60	---	74.00	16.40	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18



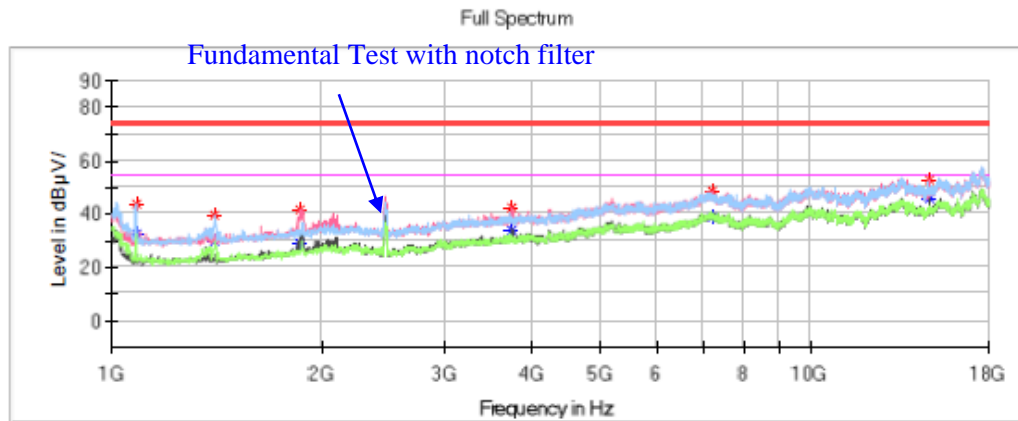
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1001.700000	---	37.93	54.00	16.07	H	-15.5
1001.700000	45.68	---	74.00	28.32	H	-15.5
1382.500000	---	28.53	54.00	25.47	H	-14.3
1382.500000	36.79	---	74.00	37.21	H	-14.3
2040.400000	---	33.47	54.00	20.53	V	-10.5
2040.400000	43.33	---	74.00	30.67	V	-10.5
5173.500000	---	36.94	54.00	17.06	V	-0.5
5173.500000	46.74	---	74.00	27.26	V	-0.5
9867.200000	48.74	---	74.00	25.26	H	7.4
9867.200000	---	41.50	54.00	12.50	H	7.4
14622.100000	54.04	---	74.00	19.96	V	8.6
14623.800000	---	44.44	54.00	9.56	V	8.6

**High Channel : 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1079.900000	---	32.38	54.00	21.62	H	-15.3
1079.900000	43.74	---	74.00	30.26	H	-15.3
1402.900000	---	29.63	54.00	24.37	H	-14.2
1402.900000	39.98	---	74.00	34.02	H	-14.2
1858.500000	---	29.16	54.00	24.84	V	-11.5
1858.500000	41.74	---	74.00	32.26	V	-11.5
3738.700000	---	34.26	54.00	19.74	V	-5.6
3738.700000	42.24	---	74.00	31.76	V	-5.6
7213.500000	---	39.05	54.00	14.95	H	4.0
7213.500000	48.76	---	74.00	25.24	H	4.0
14773.400000	---	46.05	54.00	7.95	V	9.2
14773.400000	52.65	---	74.00	21.35	V	9.2

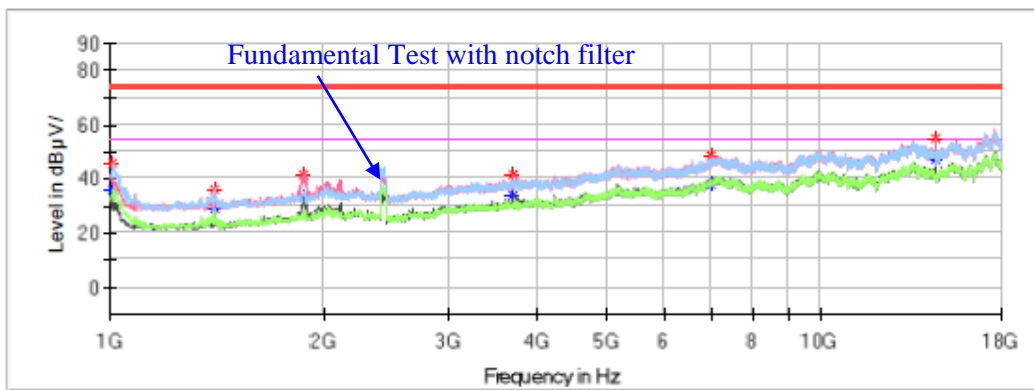
802.11n-HT40 Mode:

Low Channel : 2422 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



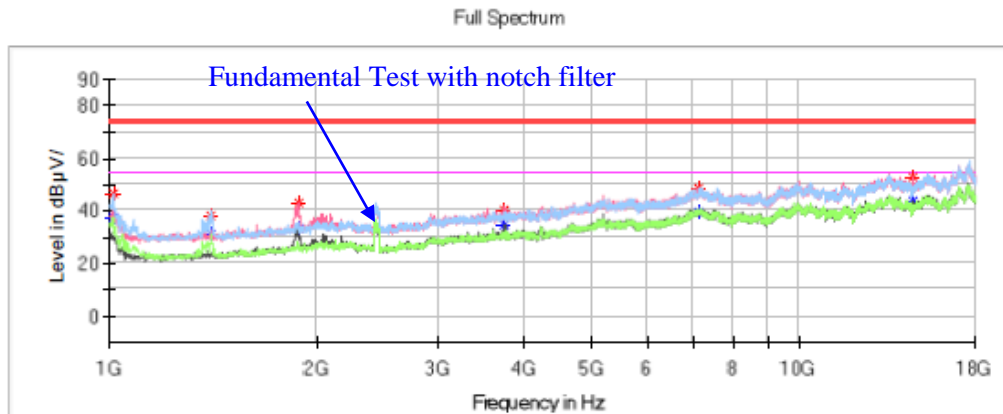
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)						
1006.800000	---	36.30	54.00	17.70	150.0	H	40.0	-15.5
1006.800000	45.85	---	74.00	28.15	150.0	H	40.0	-15.5
1397.800000	---	28.92	54.00	25.08	200.0	H	19.0	-14.3
1397.800000	36.04	---	74.00	37.96	200.0	H	19.0	-14.3
1867.000000	---	33.28	54.00	20.72	150.0	V	19.0	-11.5
1867.000000	41.68	---	74.00	32.32	150.0	V	19.0	-11.5
3680.900000	---	34.01	54.00	19.99	200.0	V	310.0	-5.7
3680.900000	41.59	---	74.00	32.41	200.0	V	310.0	-5.7
6997.600000	---	38.39	54.00	15.61	150.0	V	358.0	3.8
6997.600000	48.73	---	74.00	25.27	150.0	V	358.0	3.8
14533.700000	---	47.57	54.00	6.43	200.0	V	265.0	8.3
14533.700000	54.72	---	74.00	19.28	200.0	V	265.0	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.5°C  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18



**Critical Freqs**

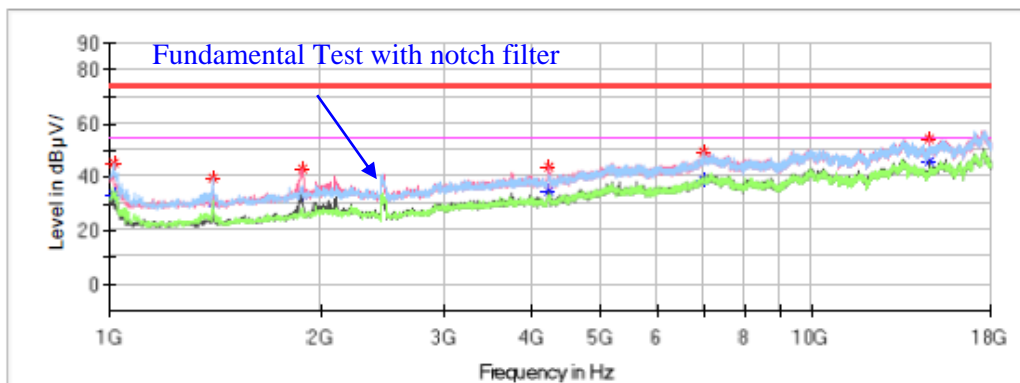
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1010.200000	---	37.86	54.00	16.14	H	-15.5
1010.200000	46.47	---	74.00	27.53	H	-15.5
1402.900000	---	31.01	54.00	22.99	H	-14.2
1402.900000	38.40	---	74.00	35.60	H	-14.2
1873.800000	---	33.26	54.00	20.74	V	-11.4
1873.800000	42.86	---	74.00	31.14	V	-11.4
3735.300000	---	34.89	54.00	19.11	V	-5.6
3735.300000	40.32	---	74.00	33.68	V	-5.6
7147.200000	---	39.95	54.00	14.05	V	3.9
7147.200000	48.94	---	74.00	25.06	V	3.9
14623.800000	---	44.13	54.00	9.87	V	8.6
14623.800000	52.70	---	74.00	21.30	V	8.6

**High Channel : 2452 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.5℃  
 Humidity: 50%  
 Atmospheric pressure: 102.3KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/18

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1010.200000	---	33.36	54.00	20.64	H	-15.5
1010.200000	45.12	---	74.00	28.88	H	-15.5
1402.900000	---	30.85	54.00	23.15	H	-14.2
1402.900000	39.51	---	74.00	34.49	H	-14.2
1875.500000	---	33.42	54.00	20.58	V	-11.4
1875.500000	43.34	---	74.00	30.66	V	-11.4
4204.500000	---	34.78	54.00	19.22	V	-4.5
4204.500000	43.58	---	74.00	30.42	V	-4.5
7007.800000	---	38.74	54.00	15.26	V	3.8
7007.800000	49.30	---	74.00	24.70	V	3.8
14713.900000	---	45.88	54.00	8.12	V	9.0
14713.900000	54.25	---	74.00	19.75	V	9.0

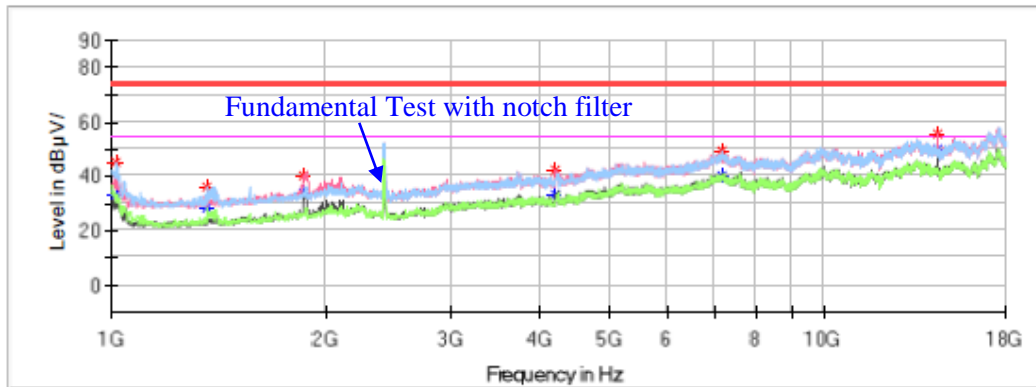
**802.11ax-HE20 Mode:**

**Low Channel : 2412 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7℃  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



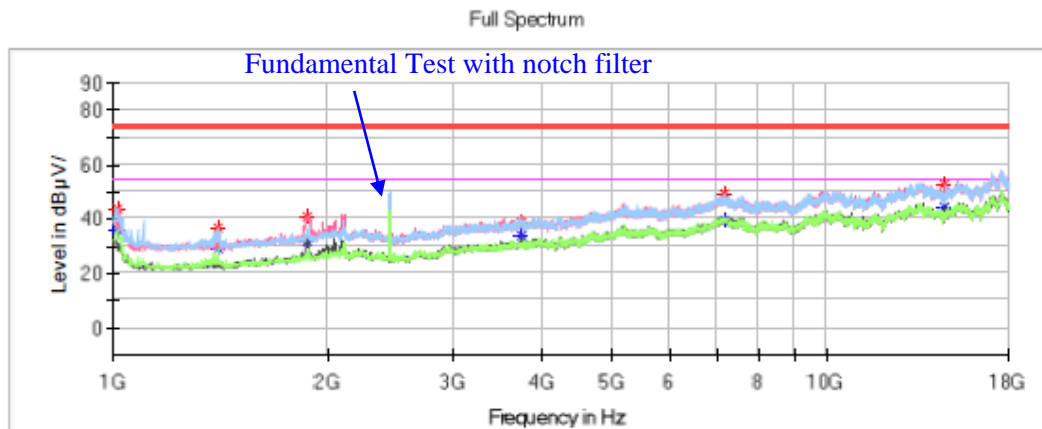
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1015.300000	45.57	---	74.00	28.43	H	-15.5
1015.300000	---	33.29	54.00	20.71	H	-15.5
1360.400000	---	28.41	54.00	25.59	H	-14.4
1360.400000	36.39	---	74.00	37.61	H	-14.4
1858.500000	---	33.75	54.00	20.25	V	-11.5
1858.500000	40.07	---	74.00	33.93	V	-11.5
4202.800000	---	33.14	54.00	20.86	V	-4.5
4202.800000	42.51	---	74.00	31.49	V	-4.5
7167.600000	---	40.24	54.00	13.76	H	3.9
7167.600000	49.71	---	74.00	24.29	H	3.9
14472.500000	---	49.86	54.00	4.14	V	8.3
14472.500000	55.77	---	74.00	18.23	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 21.7°C  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1011.900000	---	36.42	54.00	17.58	H	-15.5
1011.900000	43.83	---	74.00	30.17	H	-15.5
1402.900000	---	29.03	54.00	24.97	H	-14.2
1402.900000	36.99	---	74.00	37.01	H	-14.2
1872.100000	---	32.14	54.00	21.86	V	-11.4
1872.100000	40.89	---	74.00	33.11	V	-11.4
3731.900000	---	34.11	54.00	19.89	V	-5.6
3731.900000	38.68	---	74.00	35.32	V	-5.6
7172.700000	---	39.77	54.00	14.23	H	3.9
7172.700000	49.37	---	74.00	24.63	H	3.9
14622.100000	---	44.21	54.00	9.79	V	8.6
14622.100000	52.75	---	74.00	21.25	V	8.6

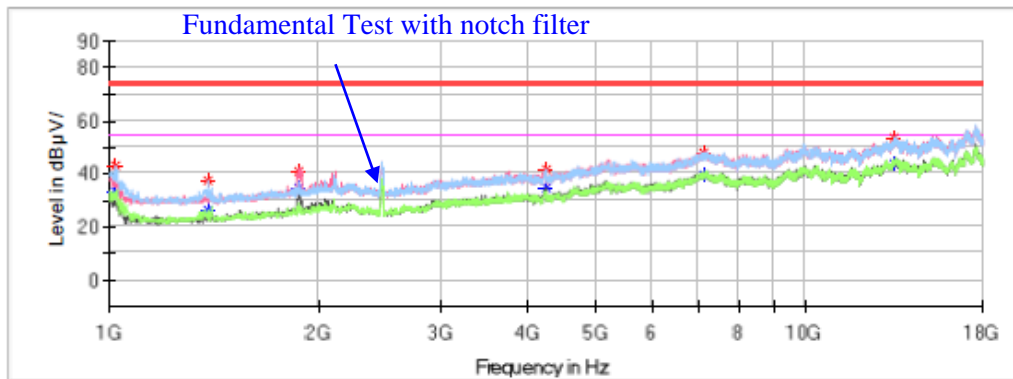


**High Channel : 2462 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7℃  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1017.000000	---	33.11	54.00	20.89	H	-15.5
1017.000000	43.40	---	74.00	30.60	H	-15.5
1382.500000	---	26.15	54.00	27.85	H	-14.3
1382.500000	37.25	---	74.00	36.75	H	-14.3
1865.300000	---	34.53	54.00	19.47	V	-11.5
1865.300000	40.79	---	74.00	33.21	V	-11.5
4233.400000	---	34.68	54.00	19.32	V	-4.5
4233.400000	41.57	---	74.00	32.43	V	-4.5
7118.300000	---	39.33	54.00	14.67	V	3.9
7118.300000	47.84	---	74.00	26.16	V	3.9
13445.700000	---	43.79	54.00	10.21	H	10.8
13445.700000	53.35	---	74.00	20.65	H	10.8

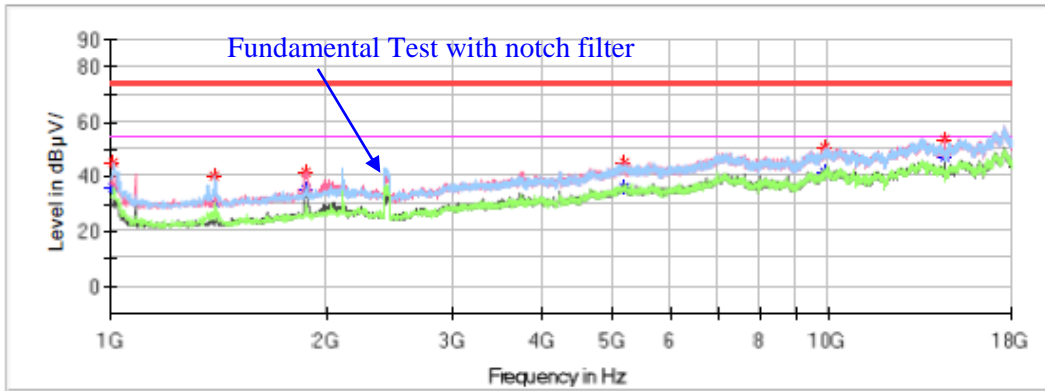
802.11ax-HE40 Mode:

Low Channel : 2422 MHz

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7℃  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



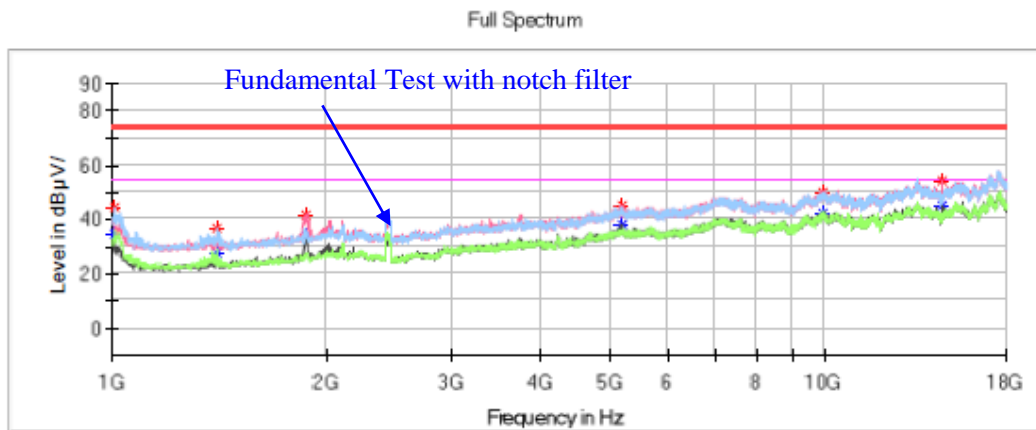
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
1008.500000	--	35.95	54.00	18.05	H	-15.5
1008.500000	45.42	---	74.00	28.58	H	-15.5
1391.000000	--	30.28	54.00	23.72	H	-14.3
1391.000000	40.13	---	74.00	33.87	H	-14.3
1870.400000	--	35.78	54.00	18.22	V	-11.4
1870.400000	41.79	---	74.00	32.21	V	-11.4
5178.600000	--	36.42	54.00	17.58	V	-0.5
5178.600000	45.54	---	74.00	28.46	V	-0.5
9887.600000	--	41.77	54.00	12.23	H	7.5
9887.600000	51.04	---	74.00	22.96	H	7.5
14533.700000	--	47.28	54.00	6.72	V	8.3
14533.700000	53.77	---	74.00	20.23	V	8.3

**Middle Channel: 2437 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode Middle Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7℃  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17



**Critical Freqs**

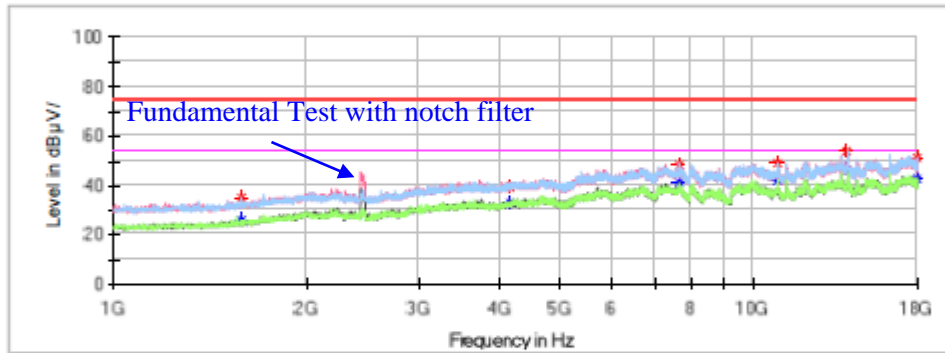
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
1003.400000	44.59	---	74.00	29.41	H	-15.5
1003.400000	---	34.54	54.00	19.46	H	-15.5
1399.500000	---	27.58	54.00	26.42	H	-14.2
1399.500000	36.97	---	74.00	37.03	H	-14.2
1868.700000	---	34.33	54.00	19.67	V	-11.5
1868.700000	41.99	---	74.00	32.01	V	-11.5
5183.700000	---	38.19	54.00	15.81	V	-0.5
5183.700000	45.09	---	74.00	28.91	V	-0.5
9930.100000	---	42.32	54.00	11.68	V	7.6
9930.100000	50.30	---	74.00	23.70	V	7.6
14623.800000	---	45.19	54.00	8.81	V	8.6
14623.800000	54.18	---	74.00	19.82	V	8.6

**High Channel : 2452 MHz**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax40 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.3°C  
 Humidity: 51%  
 Atmospheric pressure: 102.5KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/2/1

Full Spectrum



**Critical Freqs**

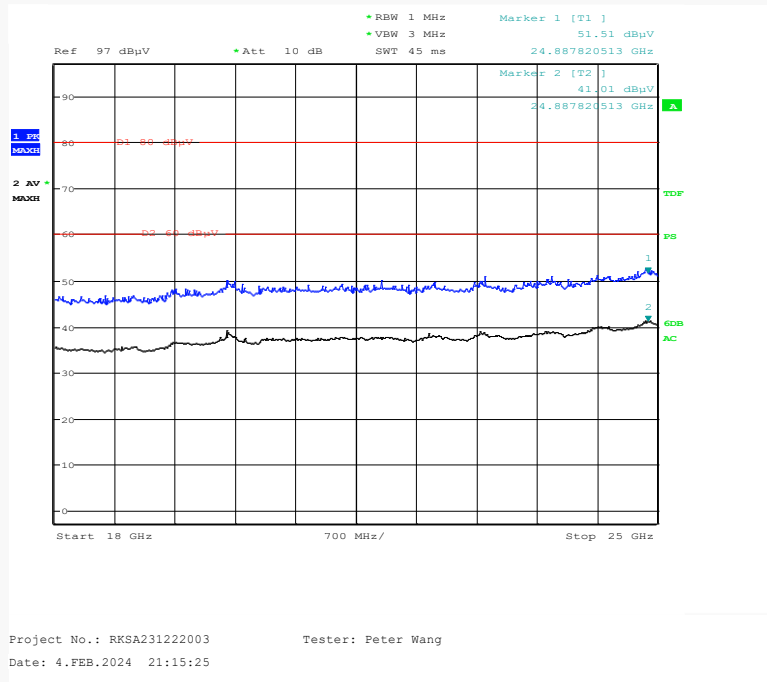
Frequency (MHz)	Corrected Amplitude		Limit (dB μV/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μV/m)	Average (dB μV/m)				
1578.000000	---	26.06	54.00	27.94	H	-13.4
1578.000000	34.78	---	74.00	39.22	H	-13.4
4163.700000	---	32.97	54.00	21.03	V	-4.6
4163.700000	39.10	---	74.00	34.90	V	-4.6
7638.500000	---	41.42	54.00	12.58	V	4.1
7638.500000	47.94	---	74.00	26.06	V	4.1
10861.700000	---	42.28	54.00	11.72	H	6.6
10861.700000	48.69	---	74.00	25.31	H	6.6
14001.000000	54.12	---	74.00	19.88	H	10.5
14001.000000	---	45.87	54.00	8.13	H	10.5
18000.000000	---	42.47	54.00	11.53	V	11.5
18000.000000	50.90	---	74.00	23.10	V	11.5

**18GHz-25GHz:**

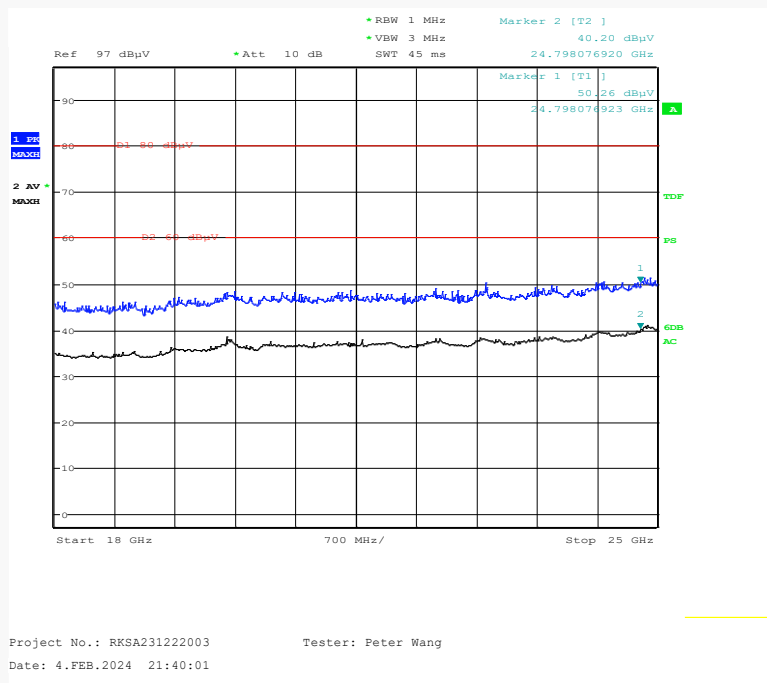
Note: The test distance is 1.5m.

Pre-scan with 802.11b, 802.11g, 802.11n-HT20, 802.11ax-HE20, 802.11n-HT40 and 802.11ax-HE40 of operation in the X,Y and Z axes of orientation, the worst case **low channel of 802.11b mode with ROD-1 antenna in X-axis of orientation** was recorded

**Vertical**



**Horizontal**



**Restricted Bands Emissions Test:**

Note:

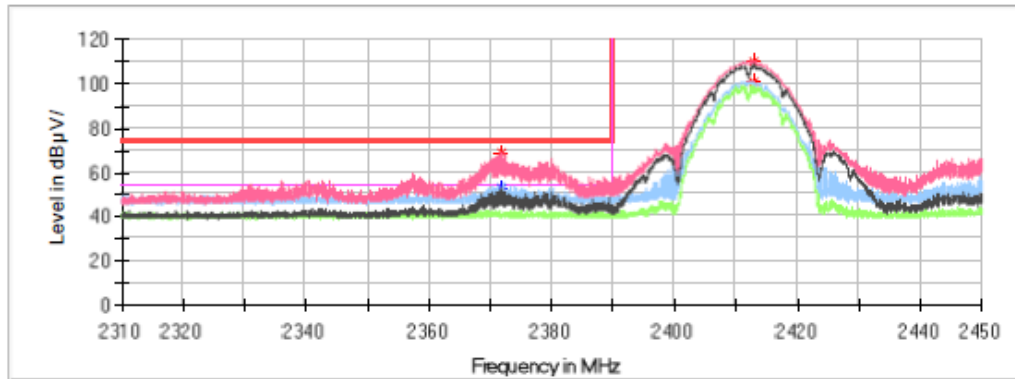
- 1. Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)
- Corrected Amplitude (dBμV/m) = Corrected Factor (dB/m) + Reading (dBμV)
- Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

802.11b Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Low channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5℃  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



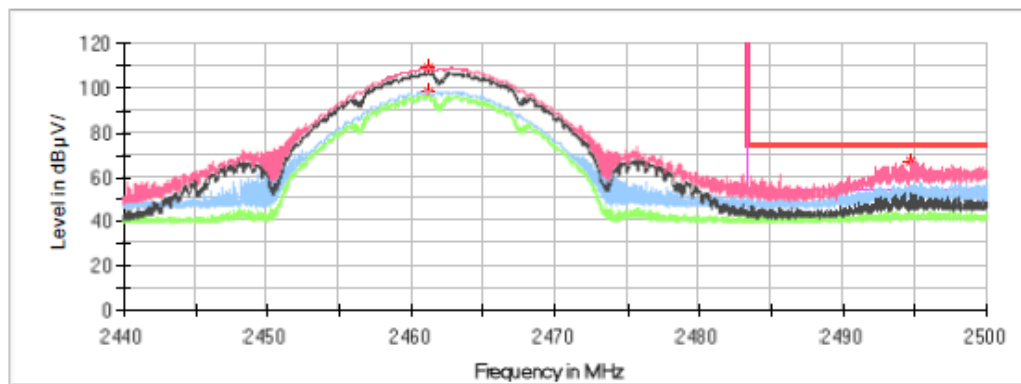
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2371.782000	---	52.69	54.00	1.31	V	0.0
2371.782000	68.77	---	74.00	5.23	V	0.0
2412.788000	107.82	---	---	---	V	0.1
2412.788000	109.99	---	---	---	V	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

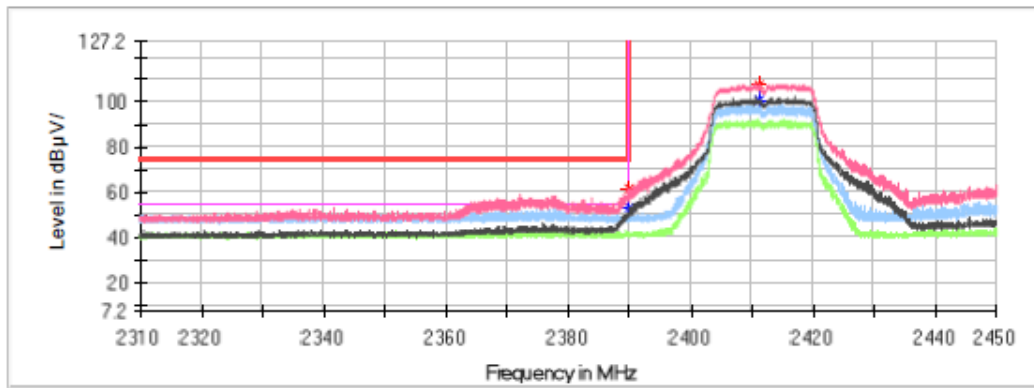
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2461.168000	108.79	---	---	---	V	0.2
2461.174000	106.52	---	---	---	V	0.2
2494.678000	---	52.94	54.00	1.06	V	0.2
2494.678000	67.52	---	74.00	6.48	V	0.2

802.11g Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

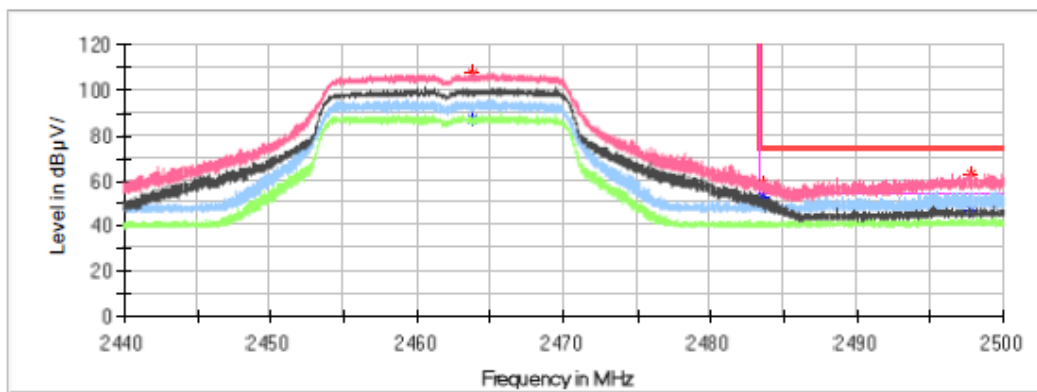
Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2389.968000	---	52.96	54.00	1.04	V	0.1
2389.968000	61.39	---	74.00	12.61	V	0.1
2411.080000	---	101.08	---	---	V	0.1
2411.080000	107.76	---	---	---	V	0.1



### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Hige Channel of Chain 0  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

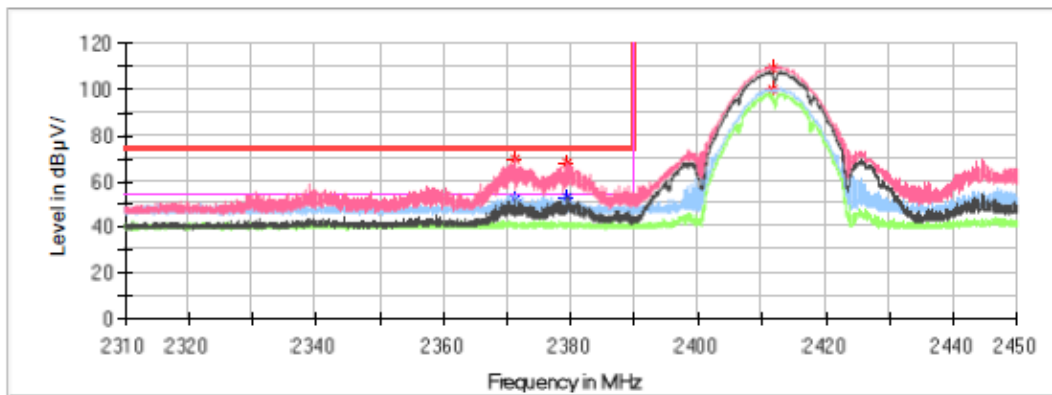
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2463.778000	107.19	---	---	---	V	0.2
2463.778000	---	100.11	---	---	V	0.2
2483.620000	---	52.79	54.00	1.21	V	0.2
2483.620000	58.96	---	74.00	15.04	V	0.2
2497.762000	---	46.87	54.00	7.13	V	0.2
2497.762000	63.01	---	74.00	10.99	V	0.2

802.11b Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



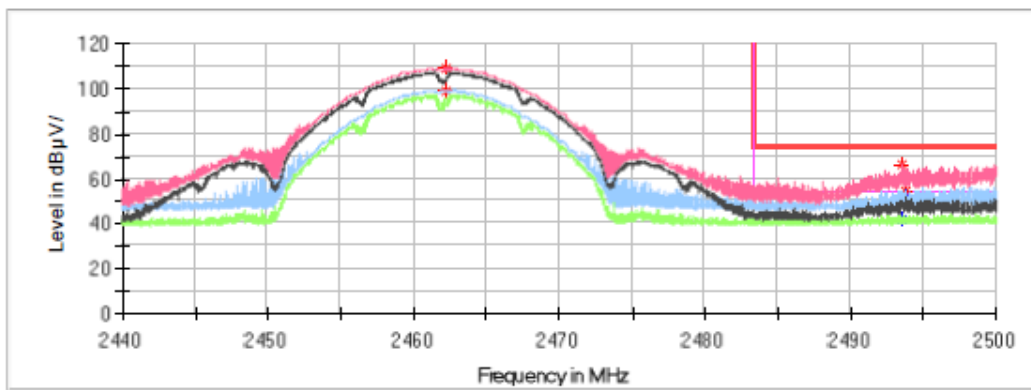
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2371.208000	---	51.67	54.00	2.33	V	0.0
2371.208000	69.28	---	74.00	4.72	V	0.0
2379.398000	---	52.78	54.00	1.22	V	0.0
2379.398000	68.18	---	74.00	5.82	V	0.0
2411.626000	99.79	---	---	---	V	0.1
2411.640000	109.35	---	---	---	V	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11b Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

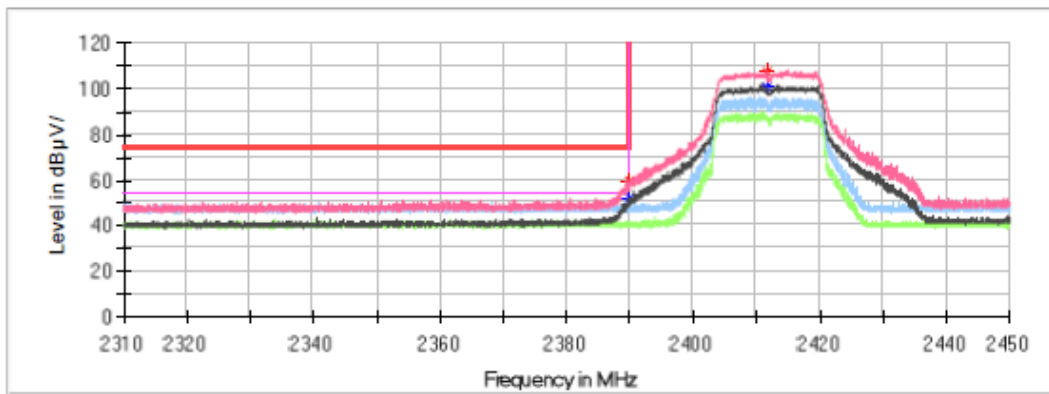
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2462.290000	99.10	---	---	---	H	0.2
2462.290000	108.71	---	---	---	H	0.2
2493.508000	---	41.55	54.00	12.45	H	0.2
2493.508000	66.70	---	74.00	7.30	H	0.2
2493.760000	54.86	---	74.00	19.14	V	0.2
2493.760000	---	52.08	54.00	1.92	V	0.2

802.11g Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode Low Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



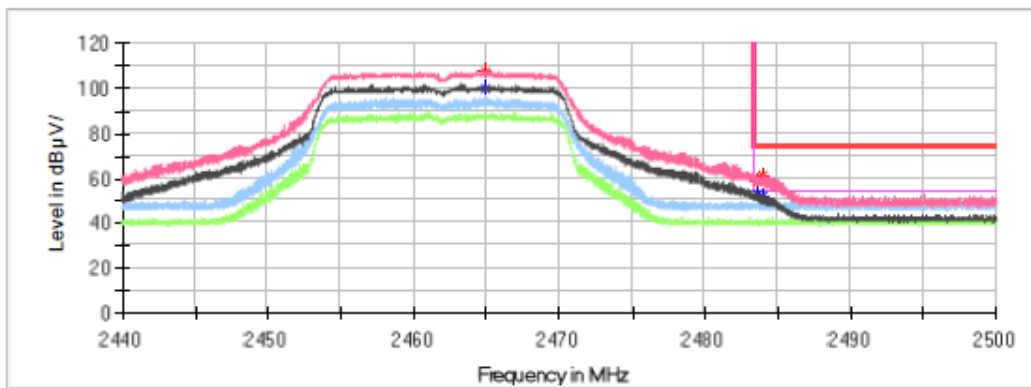
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2389.856000	---	51.70	54.00	2.30	V	0.1
2389.856000	59.80	---	74.00	14.20	V	0.1
2411.570000	---	100.34	---	---	V	0.1
2411.570000	107.82	---	---	---	V	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11g Mode High Channel of Chain 1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40, 3115, 2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

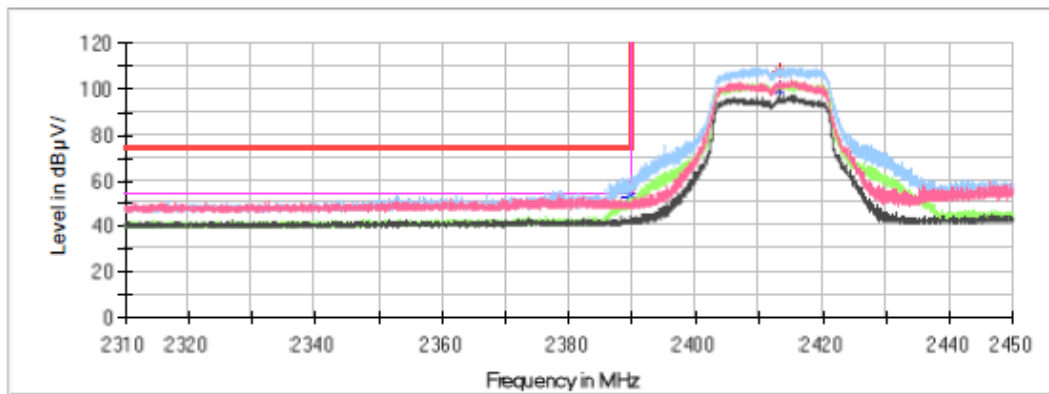
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2464.984000	---	99.82	---	---	V	0.2
2464.984000	107.74	---	---	---	V	0.2
2483.596000	---	52.98	54.00	1.02	V	0.2
2483.596000	59.00	---	74.00	15.00	V	0.2
2483.938000	---	51.94	54.00	2.06	V	0.2
2483.938000	61.37	---	74.00	12.63	V	0.2

802.11n-HT20 Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



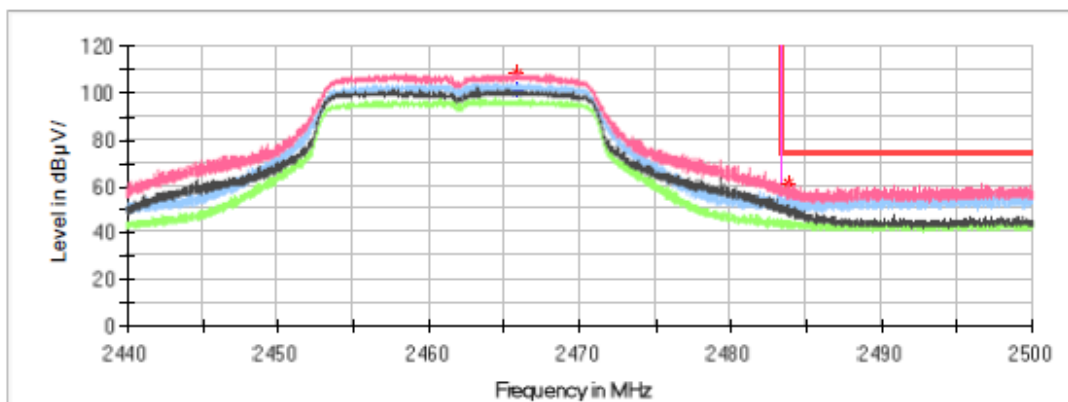
**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2389.590000	56.02	---	74.00	17.98	H	0.1
2389.590000	---	52.57	54.00	1.43	H	0.1
2413.180000	---	99.45	---	---	H	0.1
2413.180000	107.27	---	---	---	H	0.1

### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n20 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

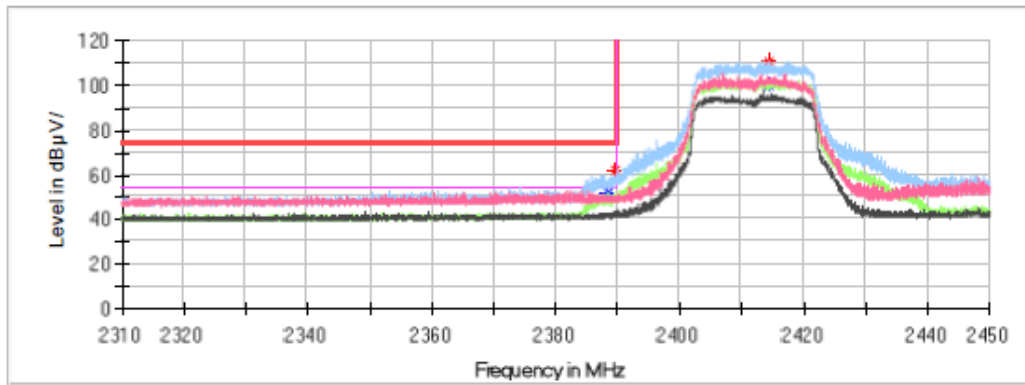
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB µ V/m)	Average (dB µ V/m)				
2465.902000	---	100.84	---	---	V	0.2
2465.902000	108.65	---	---	---	V	0.2
2483.818000	61.07	---	74.00	12.93	V	0.2
2483.818000	---	51.91	54.00	2.09	V	0.2

**802.11ax-HE20 Mode:**

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

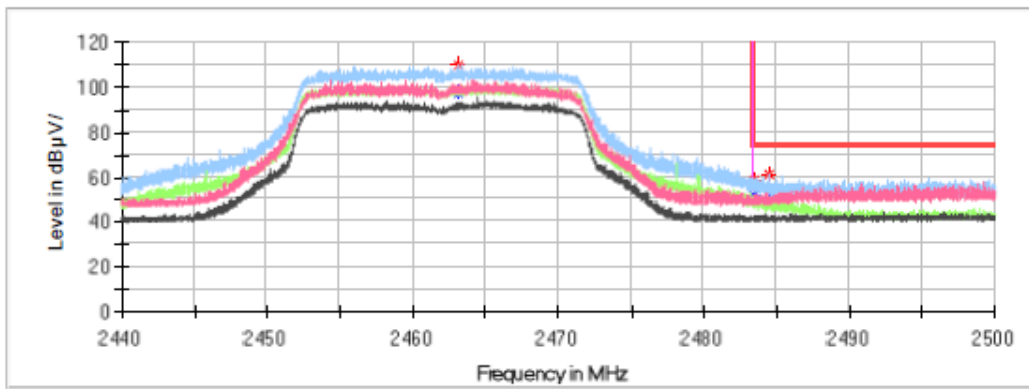
Frequency (MHz)	Corrected Amplitude		Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak	Average				
2388.540000	---	51.70	54.00	2.30	H	0.1
2389.540000	61.80	---	74.00	12.20	H	0.1
2414.258000	---	99.47	---	---	H	0.1
2414.258000	111.00	---	---	---	H	0.1



### Common Information

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11ax20 Mode High Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 22.5°C  
 Humidity: 46%  
 Atmospheric pressure: 102.1KPa  
 Test Engineer: Peter Wang  
 Test Date: 2024/1/17

Full Spectrum



### Critical Freqs

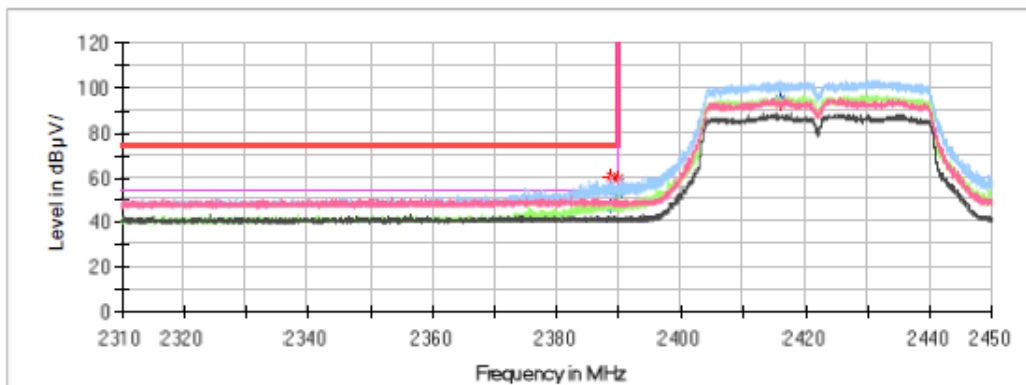
Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2463.088000	---	97.33	---	---	H	0.2
2463.088000	109.70	---	---	---	H	0.2
2483.506000	---	51.86	54.00	2.14	H	0.2
2483.506000	58.57	---	74.00	15.43	H	0.2
2484.436000	---	50.62	54.00	3.38	H	0.2
2484.436000	60.96	---	74.00	13.04	H	0.2

802.11n-HT40 Mode:

**Common Information**

Project No.: RKSA231222003  
 EUT Model: MWC-708  
 Test Mode: 802.11n40 Mode Low Channel of Chain 0&1  
 Standard: FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209  
 Test Equipment: ESU40、3115、2641-1  
 Temperature: 21.7℃  
 Humidity: 42%  
 Atmospheric pressure: 102.2KPa  
 Test Engineer: James Ji  
 Test Date: 2024/1/17

Full Spectrum



**Critical Freqs**

Frequency (MHz)	Corrected Amplitude		Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
	MaxPeak (dB μ V/m)	Average (dB μ V/m)				
2388.792000	60.32	---	74.00	13.68	H	0.1
2388.792000	---	46.80	54.00	7.20	H	0.1
2389.954000	---	52.55	54.00	1.45	H	0.1
2389.954000	59.45	---	74.00	14.55	H	0.1
2415.938000	104.23	---	---	---	H	0.1
2415.938000	---	94.80	---	---	H	0.1