

FCC PART 15.247

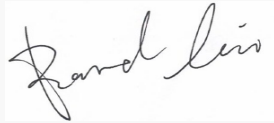
TEST REPORT

For

Shanghai Xiangcheng Communication Technology Co.,Ltd

6th Floor, Building 10, No.3000 Longdong Avenue, Pudong New District, Shanghai, China

FCC ID: 2A2UU-K1141

Report Type: Original Report	Product Name: A8 Smart Payment Terminal, A8K Smart Payment Terminal
Report Number: RKSA251230001-00B	
Report Date: 2026-03-30	
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, or any agency of the U.S. Government.

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA251230001-00B	R1V1	2026-03-30	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant	Shanghai Xiangcheng Communication Technology Co.,Ltd
Tested Model	K1141
Product Name	A8 Smart Payment Terminal, A8K Smart Payment Terminal
Power Supply	DC 5V from adapter or DC 7.2V from battery
RF Function:	2.4G Wi-Fi, BLE
Operating Band/Frequency:	2.4G Wi-Fi: 2412~2462 MHz(802.11b/g/n20), 2422~2452 MHz(802.11n40) BLE(1 Mbps): 2402-2480 MHz
Maximum Peak Output Power:	2.4G Wi-Fi: 802.11b: 20.20 dBm 802.11g: 19.92 dBm 802.11n20: 19.72 dBm 802.11n40: 18.93 dBm BLE(1 Mbps): -0.76 dBm
Channel Number:	2.4G Wi-Fi: 11(802.11b/g/n20), 7(802.11n40) BLE(1 Mbps): 40
Channel Separation:	2.4G Wi-Fi: 5 MHz BLE: 2 MHz
Modulation Type:	2.4G Wi-Fi: DSSS, OFDM BLE: GFSK
★Maximum Antenna Gain:	Configuration 1&2: 2.4G Wi-Fi & BLE: 1.51 dBi Configuration 3&4: 2.4G Wi-Fi & BLE: 2.15 dBi

Adapter Information:

Model: PS10UA050K2000UU

Input: 100-240V, 50/60Hz, 0.35A Max

Output: 5.0V, 2.0A, 10.0W

Note:

1. The maximum antenna gain was declared by the manufacturer.

2. The difference between A8 Smart Payment Terminal, A8K Smart Payment Terminal as below:

Differentiation description				
Product Name	A8 Smart Payment Terminal		A8K Smart Payment Terminal	
Configuration	1	2	3	4
Configuration name	A8 Dual	A8	A8K Dual	A8K
Secondary screen	YES	NO	YES	NO
Battery	3250mAh	F50188PA(2500mAh) C0256AC5(2500mAh)	3250mAh	F50188PA(2500mAh) C0256AC5(2500mAh)
Single and dual-frequency GPS	Dual-band GNSS	Single-frequency GNSS	Dual-band GNSS	Single-frequency GNSS
Small card configuration	1*Micro SIM+1*Esim*1*Mini SAM	2*Micro SIM+1*Mini SAM	1*Micro SIM+1*Esim*1*Mini SAM	2*Micro SIM+1*Mini SAM
Magnetic head	YES	NO	YES	NO
Main button/Full screen	Full screen	Full screen	Main button	Main button
Diversity antenna	NO	YES	NO	YES
G-Sensor	YES	NO	YES	NO
MIC	Dual MIC	NO	Single MIC	NO
Motor	NO	NO	YES	NO
Main antenna model (size/mm)	SY-P1018-MAIN-V0.4 (8.69*57.26)	SY-P1018-MAIN-V0.4 (8.69*57.26)	DZZ-P1916-MAIN-V04 (49.73*31.93mm)	DZZ-P1916-MAIN-V04 (49.73*31.93mm)
Three-in- one antenna model (size/mm)	SY-P1018-3/1-V0.2 (23.24*32.27)	SY-P1018-3/1-V0.2 FPC(23.24*32.27)	DZZ-P1916-GWB-V03 (32.80*25.16mm)	DZZ-P1916-GWB-V03 (32.80*25.16mm)
Diversity antenna model (size/mm)	NA	SY-P1018-DIV-V0.1 (40.17*41.77)	NA	DZZ-P1916-DIV-V03 (44.83*39.25mm)

All measurement and test data in this report was gathered from production samples serial number:

RKSA251230001-1 (Configuration 1), RKSA251230001-2 (Configuration 2),

RKSA251230001-3 (Configuration 3), RKSA251230001-4 (Configuration 4).

Based on above differences, we chose Configuration 1 for full test, Configuration 2 and Configuration 4 for "CONDUCTED EMISSIONS" "SPURIOUS EMISSIONS (below 1GHz)", Configuration 3 for "CONDUCTED EMISSIONS" and "SPURIOUS EMISSIONS (below 1 GHz & above 1GHz)" (Assigned by the BACL (Kunshan). The EUT was received on 2025-12-30.)

Objective

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

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

Test Methodology

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

Measurement Uncertainty

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

Test Facility

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

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

SYSTEM TEST CONFIGURATION

Description of Test Configuration

Channel List for BLE mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454	/	/
13	2428	27	2456	/	/

EUT was tested with channel 0, 19 and 39.

Channel List for Wi-Fi Mode:

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

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

For 802.11n-HT40 mode, EUT was tested with Channel 3, 6 and 9.

Equipment Modifications

No modification was made to the EUT tested.

EUT Exercise Software

RF test software: engineering mode

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

Mode	Data Rate	★Power Level
802.11b	1 Mbps	18.5
802.11g	6 Mbps	13
802.11n-HT20	MCS0	13
802.11n-HT40	MCS0	12
BLE(1Mbps)	1Mbps	Default

Note: The power level was declared by the applicant.

Environmental Conditions & Test Information

Test Date:	2026-01-21 to 2026-01-24
Temperature:	20.8-23.2°C
Relative Humidity:	47-54 %
ATM Pressure:	100.7-102.4 kPa
Test Engineer:	Neil Zhou

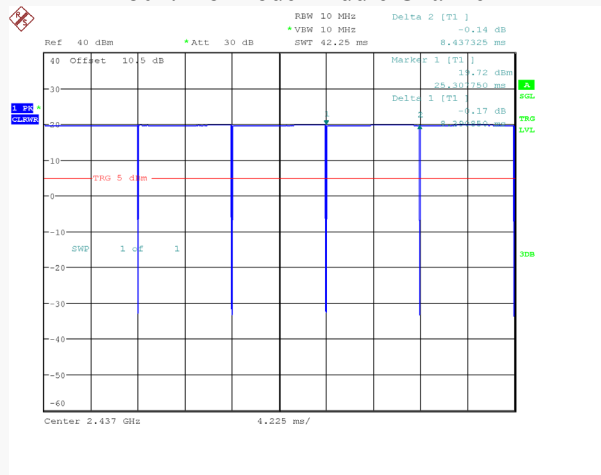
Mode	Duty Cycle (%)	Ton(ms)	Ton+off(ms)	10log(1/x) (dB)
802.11b	99.45	8.391	8.437	/
802.11g	96.73	1.392	1.439	0.14
802.11n-HT20	96.58	1.299	1.345	0.15
802.11n-HT40	92.67	0.645	0.696	0.33
BLE(1Mbps)	84.94	2.132	2.510	0.71

Note:

1. “x” means the Duty Cycle.
2. Note: Offset (10.5dB) = Attenuator (10dB) + Cable Loss (0.5dB)

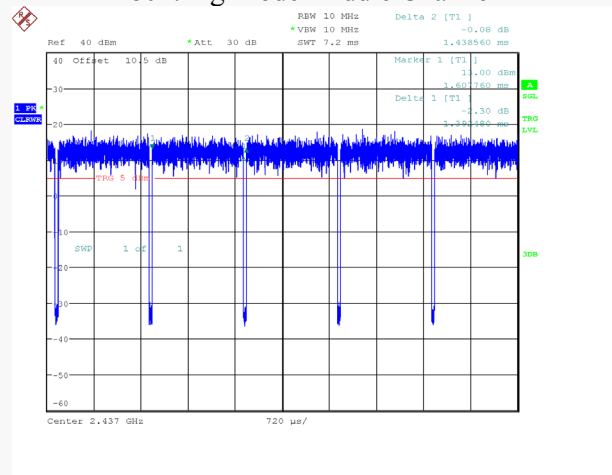
Duty Cycle:

802.11b Mode Middle Channel



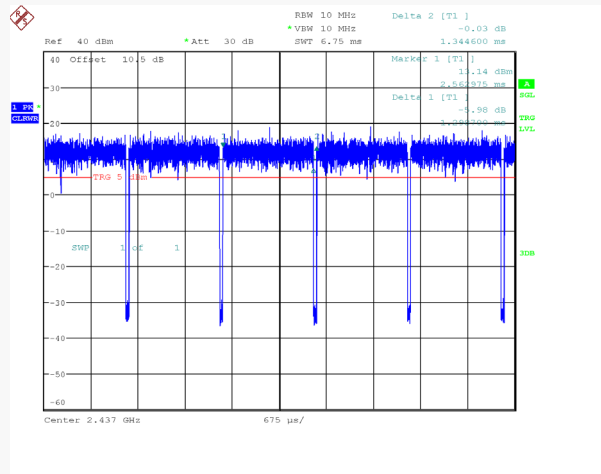
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Date: 24.JAN.2026 14:07:26

802.11g Mode Middle Channel



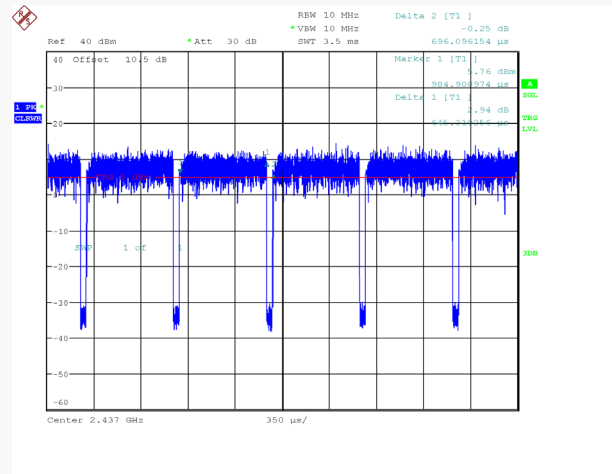
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802.11n-HT20 Mode Middle Channel



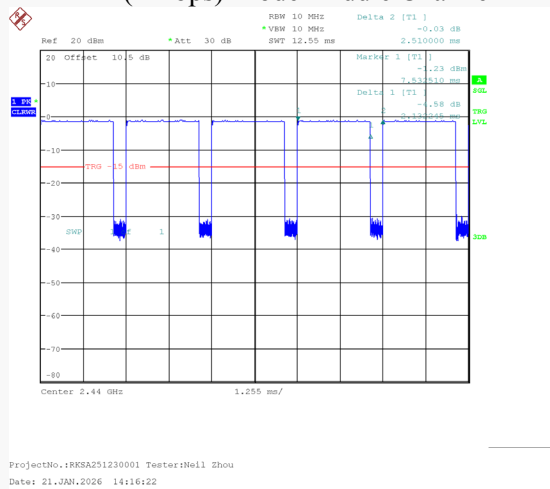
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Date: 24.JAN.2026 15:34:38

802.11n-HT40 Mode Middle Channel



ProjectNo.:RKSA251230001 Tester:Neil Zhou
Date: 22.JAN.2026 15:05:14

BLE(1Mbps) Mode Middle Channel



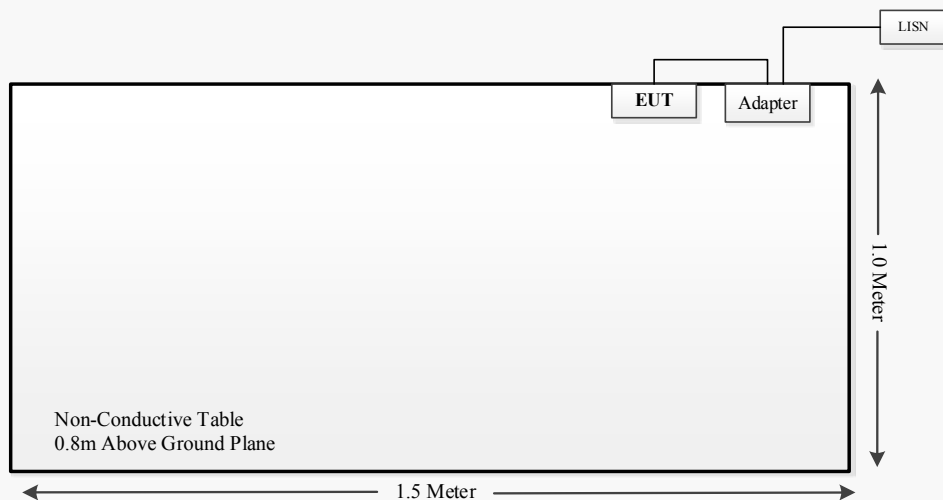
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Support Equipment List and Details

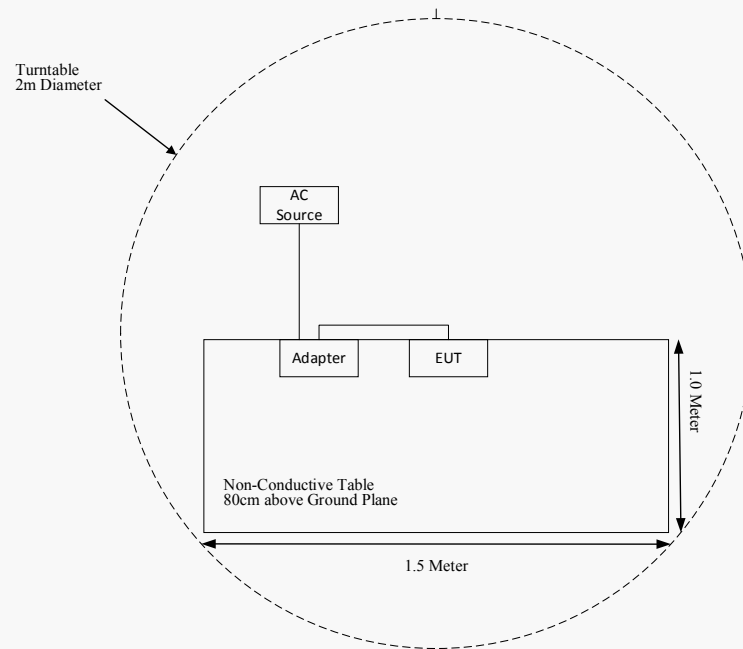
Manufacturer	Description	Model	Serial Number
/	/	/	/

External I/O Cable

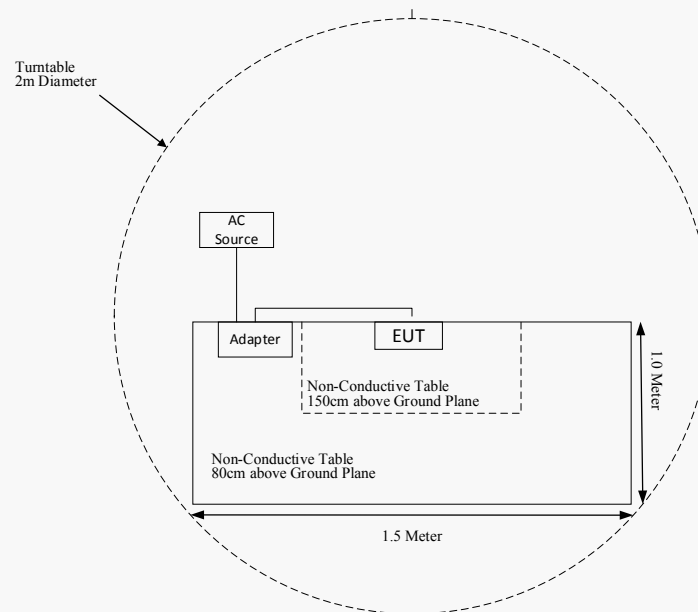
Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.0	EUT	Adapter
Power Cable 2	1.0	Adapter	AC Source / LISN

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

For Radiated Emissions (Below 1GHz):



For Radiated Emissions (Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1307(b)(1)& §2.1093	RF EXPOSURE	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
§15.247(d)	Conducted Spurious Emission	Compliant
§15.247(e)	Power Spectral Density	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2025-04-09	2026-04-08
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2024-11-08	2027-11-07
Narda	6dB Attenuator	773-6	10690812-2-1	2024-11-08	2027-11-07
BACL	Active Loop Antenna	1313-1A	4041511	2024-11-22	2027-11-21
Sonoma Instrument	Pre-amplifier	310N	171205	2025-04-09	2026-04-08
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-9	009	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-10	010	2025-04-09	2026-04-08
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2025-04-09	2026-04-08
EMCO	Horn Antenna	3115	9207-3900	2024-11-03	2027-11-02
ETS-LINDGREN	Horn Antenna	3116	2516	2024-12-12	2027-12-11
A.H.Systems, inc	Amplifier	PAM-0118P	512	2025-04-09	2026-04-08
SELECTOR	Amplifier	EM18G40G	060726	2025-04-09	2026-04-08
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2025-04-08	2026-04-07
Narda	Attenuator	10dB	010	2025-04-08	2026-04-07
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-11	011	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-12	012	2025-04-09	2026-04-08
MICRO-COAX	Coaxial Cable	Cable-13	013	2025-04-09	2026-04-08
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSU26	200103	2025-04-09	2026-04-08
Narda	Attenuator	10dB	010	2025-04-08	2026-04-07
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Anritsu	Power Sensor	MA24418A	12621	2025-04-09	2026-04-08

Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2025-09-01	2026-08-31
Rohde & Schwarz	LISN	ENV216	101115	2025-04-08	2026-04-07
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2025-04-08	2026-04-07
MICRO-COAX	Coaxial Cable	Cable-15	015	2025-04-08	2026-04-07

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

FCC §1.1307(b) & §2.1093 - RF EXPOSURE

Applicable Standard

According to §15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] [\sqrt{f(\text{GHz})}]$
 ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

Mode	Frequency Range (MHz)	★Max Tune-up Conducted Power		Calculated Distance (mm)	Calculated Value	Threshold (1-g SAR)	SAR Test Exclusion
		(dBm)	(mW)				
BLE	2402-2480	-0.5	0.89	5.0	0.3	3.0	Yes

Note:

1. For the above tune up power were declared by the manufacturer.
2. For 2.4G Wi-Fi, please reference report RKSA251230001-20B.

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine Compliant with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

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

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

Antenna Connector Construction

The EUT have an FPC antenna which permanently attached to the unit. fulfill the requirement of this section. Please refer to the EUT photos.

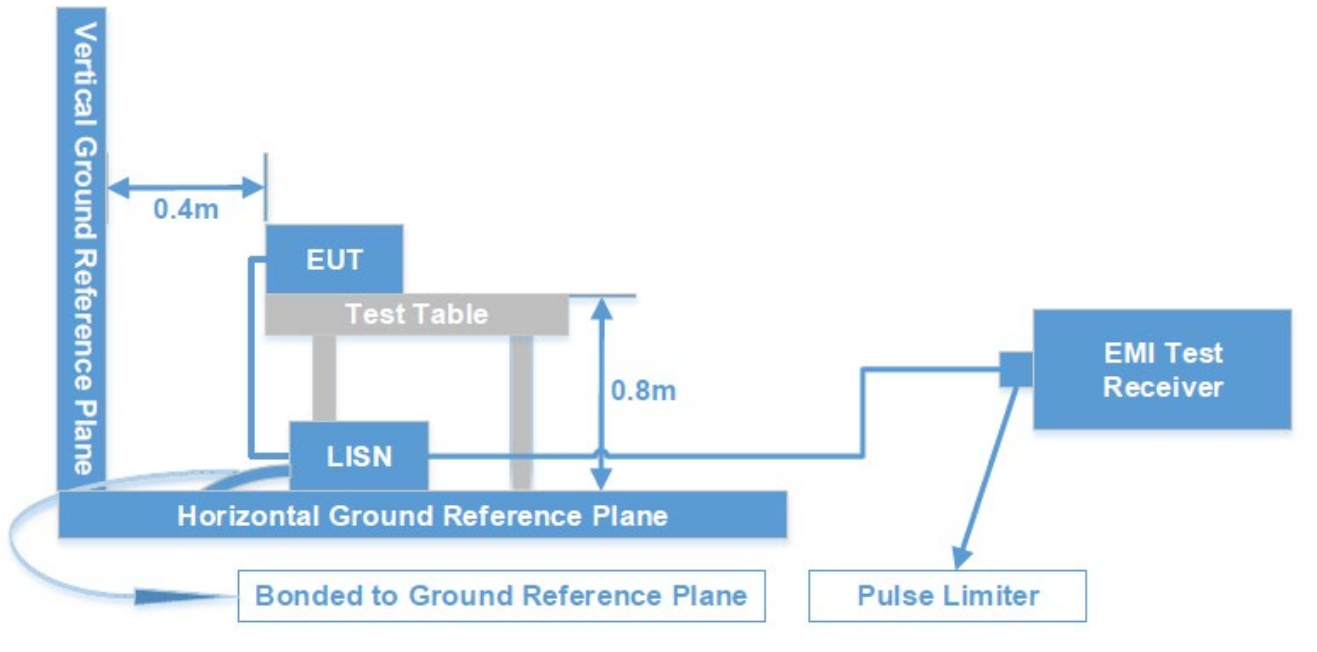
Result: Compliant.

FCC §15.207 (a) - AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

Test System Setup



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

The spacing between the peripherals was 10 cm.

EMI Test Receiver Setup

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

Frequency Range	RBW
150 kHz - 30 MHz	9 kHz

Test Procedure

ANSI C63.10-2020 clause 6.2

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

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

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

Level & Over Limit Calculation

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

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

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

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

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

Test Results Summary

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

Test Data: See Appendix

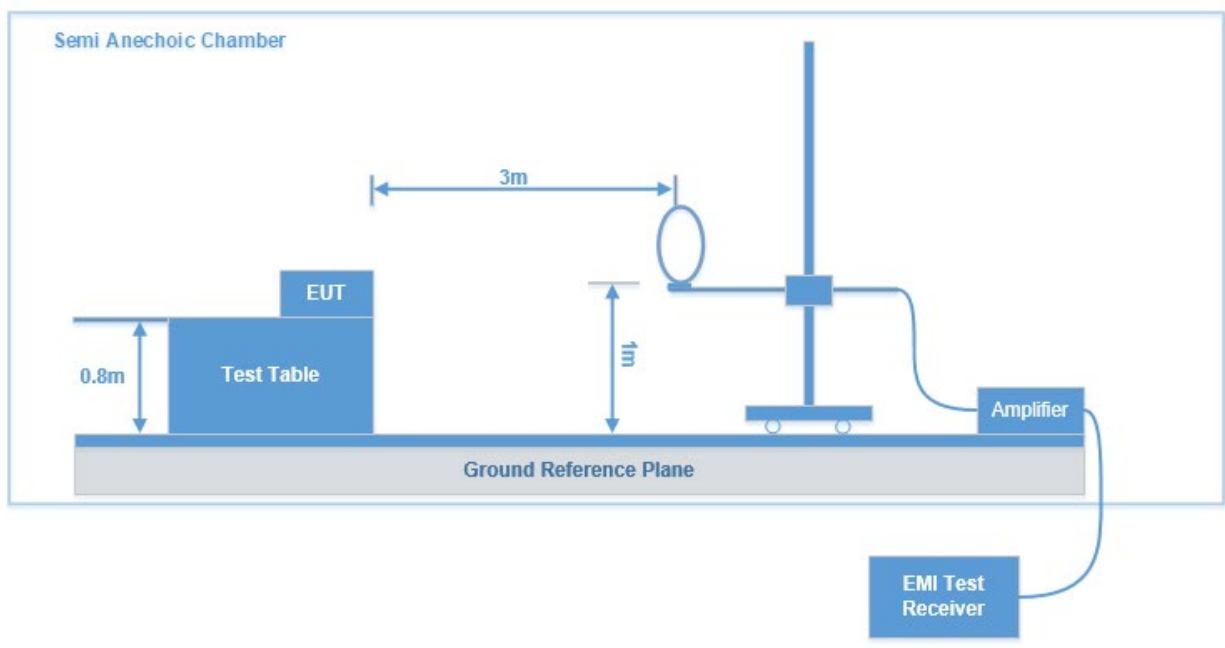
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

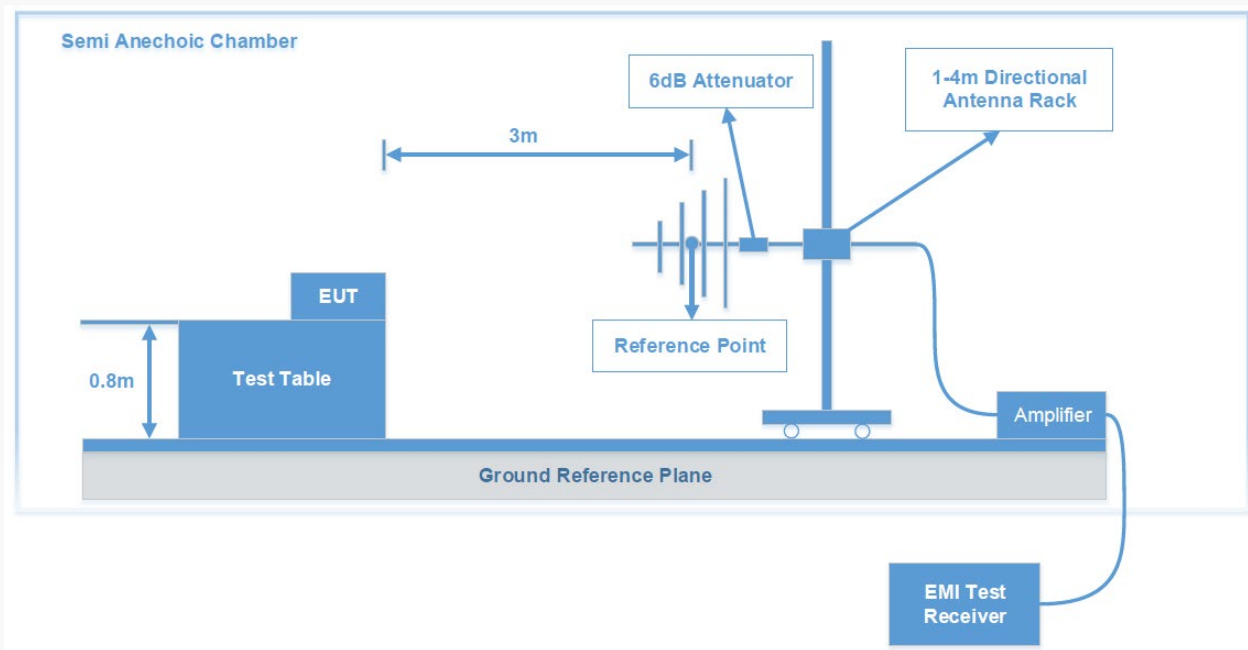
FCC §15.247 (d); §15.209; §15.205;

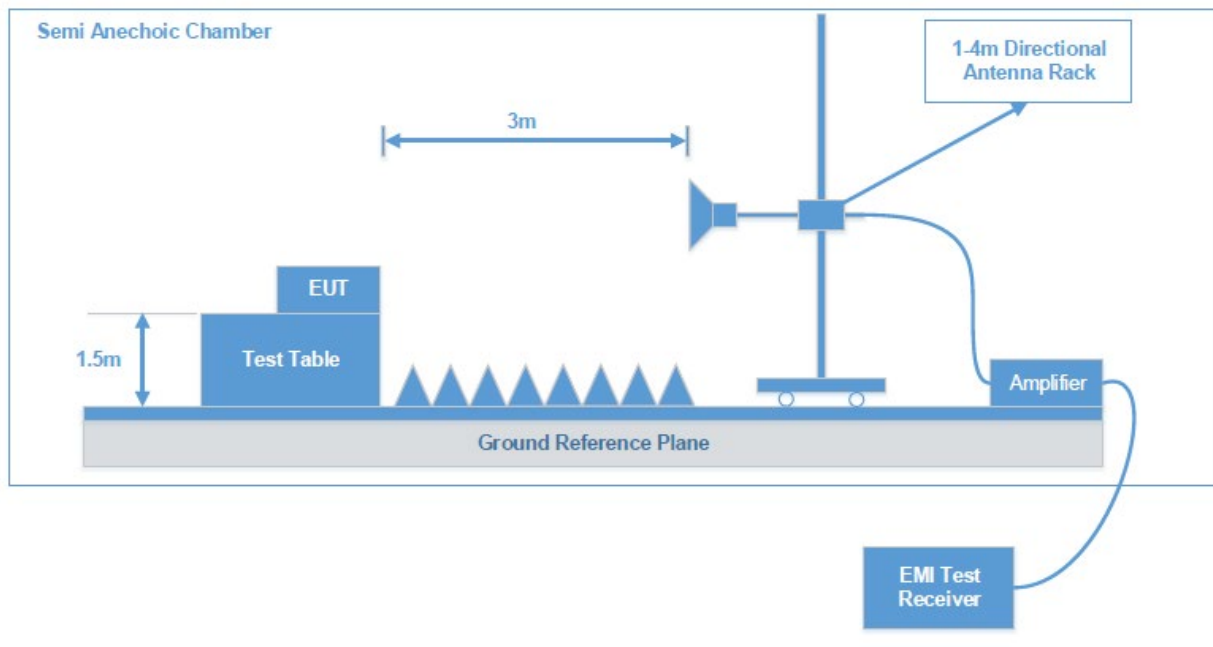
Test System Setup

9 kHz-30 MHz:



30 MHz-1 GHz:



Above 1 GHz:

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

EMI Test Receiver Setup

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

Frequency Range	RBW	VBW	IF B/W	Measurement	Detector
9 kHz - 150 kHz	200 Hz	1 kHz	200 Hz	Peak/QP/Average	Peak/QP/Average
150 kHz - 30 MHz	9 kHz	30 kHz	9 kHz	Peak/QP/Average	Peak/QP/Average
30 MHz - 1000 MHz	100 kHz	300 kHz	/	Peak	Peak
	/	/	120 kHz	QP	QP
Above 1GHz	1MHz	3 MHz	/	Peak	Peak
	1MHz	3 MHz	/	Average	Average

Test Procedure

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

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

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

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

Corrected Amplitude & Margin Calculation

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

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

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

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

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

Test Results Summary

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

Test Data: See Appendix

FCC §15.247(A) (2) - 6 DB EMISSION BANDWIDTH

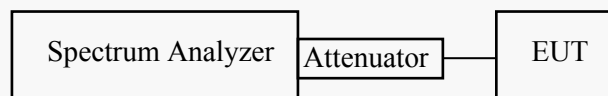
Applicable Standard

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

Test Procedure

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

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



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

Test Data: See Appendix

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

Applicable Standard

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

Test Procedure

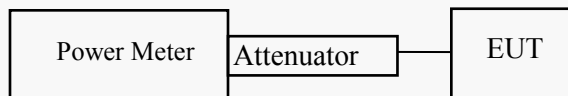
For 2.4G Wi-Fi:

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

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

11.9.2.3.2 Method AVGPM-G

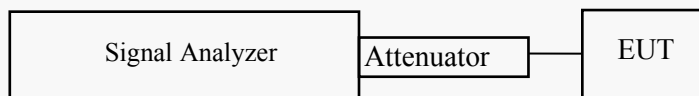
Method AVGPM-G is a measurement using a gated RF average power meter. Alternatively, measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level.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



For BLE:

According to ANSI C63.10-2020 sub-clause 11.9.1.1

- Set the RBW $\geq$ DTS bandwidth.
- Set VBW $\geq [3 \times \text{RBW}]$.
- Set span $\geq [3 \times \text{RBW}]$.
- Sweep time = No faster than coupled (auto) time.
- Detector = peak.
- Trace mode = max-hold.
- Allow trace to fully stabilize.
- Use peak marker function to determine the peak amplitude level.



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

Test Data: See Appendix

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

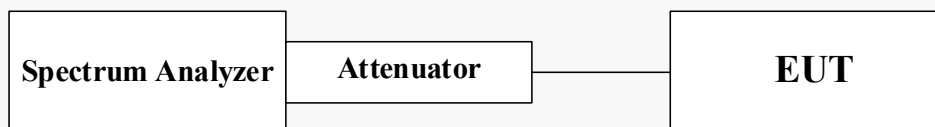
Applicable Standard

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

Test Procedure

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

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



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

Conducted Spurious Emission

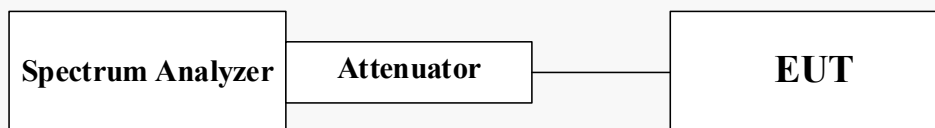
Applicable Standard

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

Test Procedure

According to ANSI C63.10-2020 Section 11.11

- a) Set the center frequency and span to encompass frequency range to be measured
 - b) Set the RBW = 100 kHz.
 - c) Set the VBW $\geq [3 \times \text{RBW}]$.
 - d) Detector = peak.
 - e) Sweep time = No faster than coupled (auto) time.
 - f) Trace mode = max hold.
 - g) Allow trace to fully stabilize.
 - h) Use the peak marker function to determine the maximum amplitude level.
- Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) is attenuated by at least the minimum requirements specified in 11.11. Report the three highest emissions relative to the limit.



Note: Offset (13dB) = Attenuator (10dB) + Cable Loss (3.0dB)

Test Data: See Appendix

FCC §15.247(E) - POWER SPECTRAL DENSITY

Applicable Standard

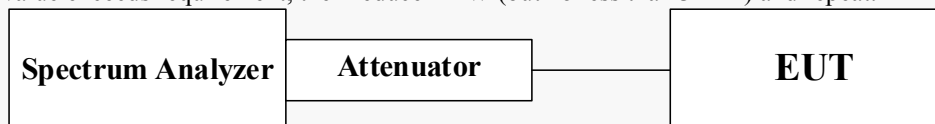
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of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

Test Procedure

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

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

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



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

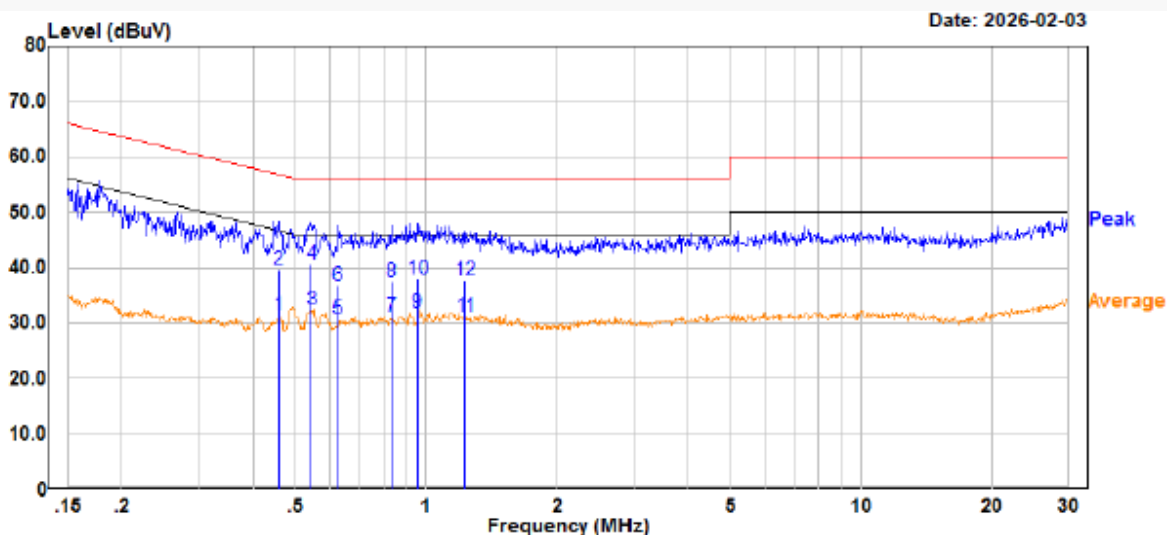
Test Data: See Appendix

APPENDIX - TEST DATA

AC LINE CONDUCTED EMISSIONS

Environmental Conditions & Test Information

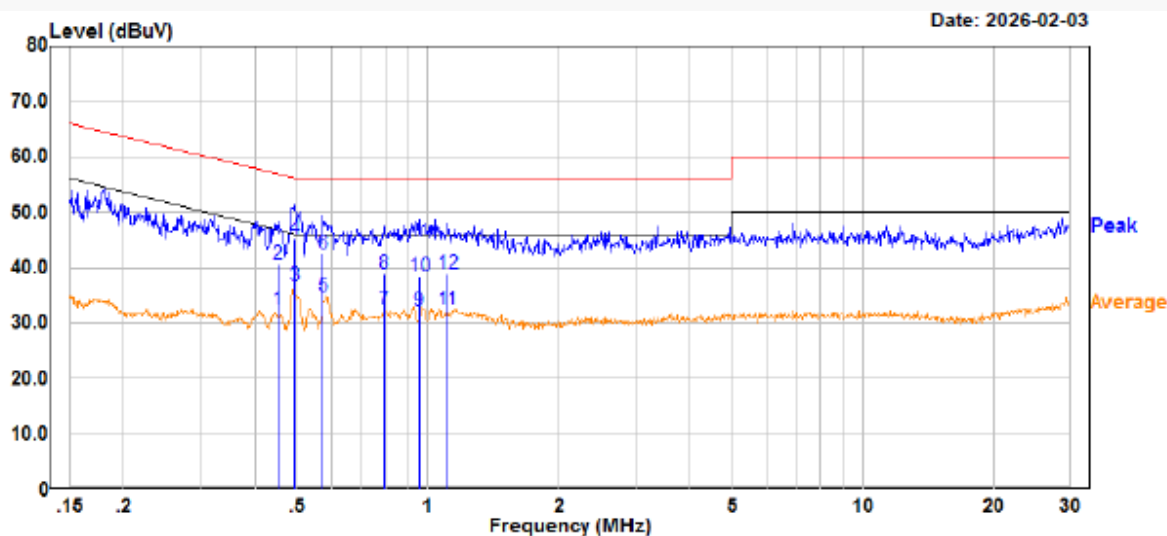
Test Date:	2026-02-03
Temperature:	15.9 °C
Relative Humidity:	35 %
ATM Pressure:	103.5 kPa
Test Result:	Pass
Test Engineer:	Jack He

For Wi-Fi Mode:*EUT operation mode: Transmitting in maximum output power mode (802.11b mode middle channel)**Configuration 1*

Trace: 1

Site : CE
Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Line
: DET:Peak
Project No. : RKSA251230001
Model : K1141
Phase : L
Voltage : 120V/60Hz
Mode : 2.4G WIFI
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 15.9°C
Humidity : 35%
Atmospheric pressure: 103.5kPa
Test Engineer : Jack He
Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.458	11.10	20.27	31.37	46.73	-15.36	Average
2	0.458	19.40	20.27	39.67	56.73	-17.06	QP
3	0.545	12.29	20.20	32.49	46.00	-13.51	Average
4	0.545	20.39	20.20	40.59	56.00	-15.41	QP
5	0.627	10.40	20.23	30.63	46.00	-15.37	Average
6	0.627	16.60	20.23	36.83	56.00	-19.17	QP
7	0.833	10.90	20.22	31.12	46.00	-14.88	Average
8	0.833	17.30	20.22	37.52	56.00	-18.48	QP
9	0.953	11.70	20.18	31.88	46.00	-14.12	Average
10	0.953	17.80	20.18	37.98	56.00	-18.02	QP
11	1.229	11.10	20.20	31.30	46.00	-14.70	Average
12	1.229	17.40	20.20	37.60	56.00	-18.40	QP

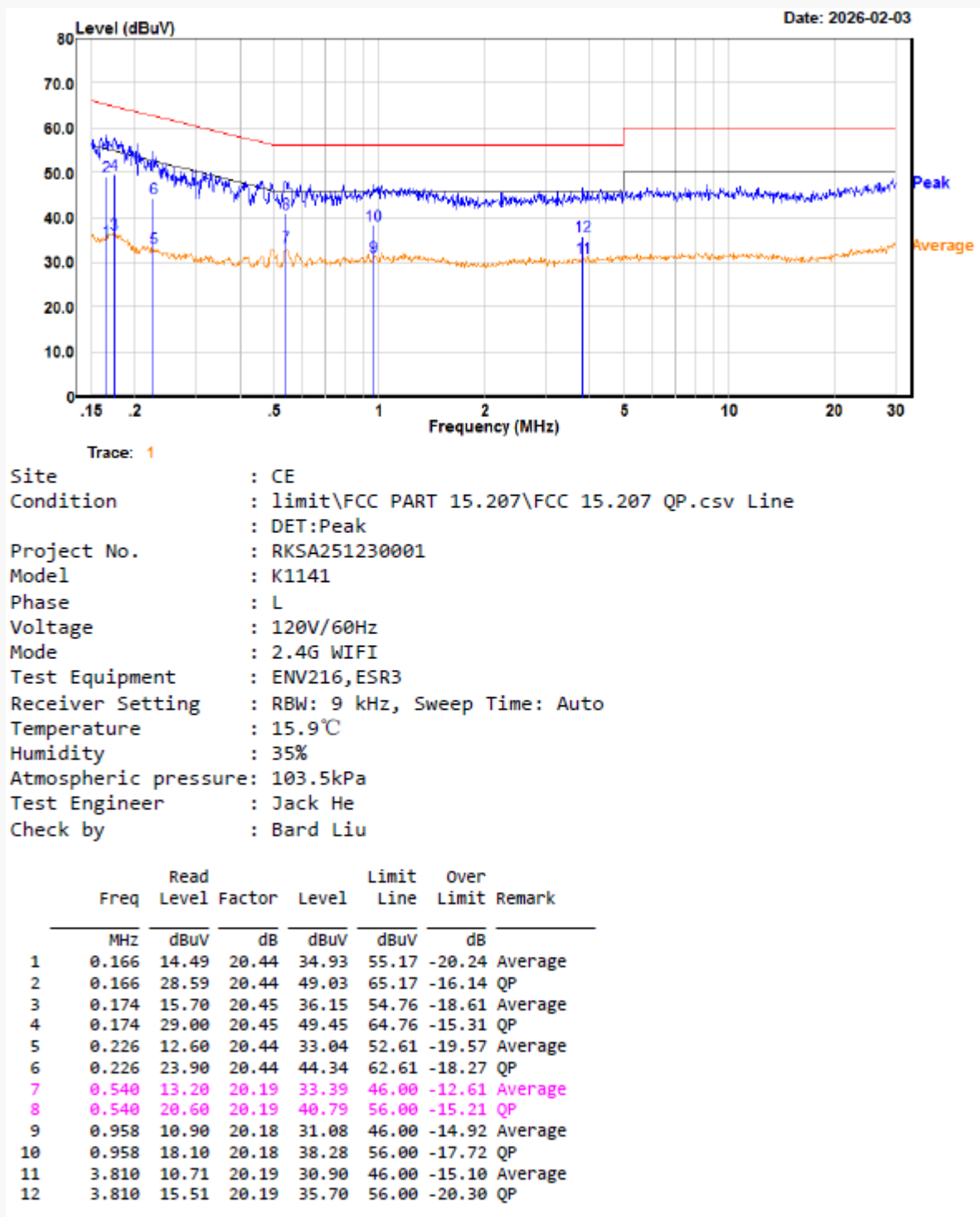


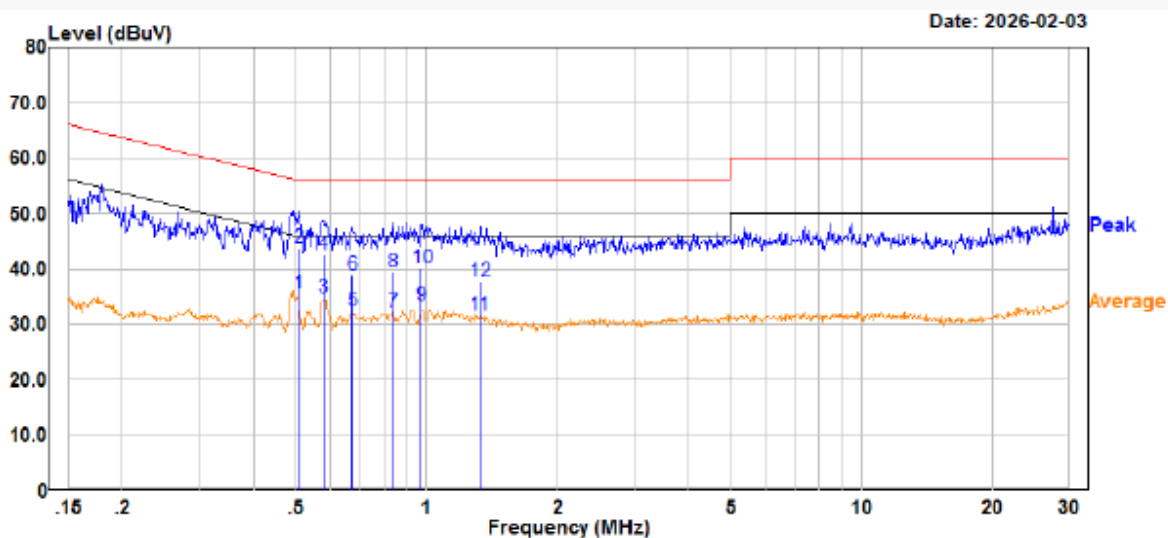
Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
 : DET:Peak
 Project No. : RKSA251230001
 Model : K1141
 Phase : N
 Voltage : 120V/60Hz
 Mode : 2.4G WIFI
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 15.9°C
 Humidity : 35%
 Atmospheric pressure: 103.5kPa
 Test Engineer : Jack He
 Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.451	12.10	20.30	32.40	46.85	-14.45	Average
2	0.451	20.30	20.30	40.60	56.85	-16.25	QP
3	0.494	16.60	20.21	36.81	46.11	-9.30	Average
4	0.494	24.90	20.21	45.11	56.11	-11.00	QP
5	0.573	14.70	20.22	34.92	46.00	-11.08	Average
6	0.573	22.30	20.22	42.52	56.00	-13.48	QP
7	0.793	12.10	20.22	32.32	46.00	-13.68	Average
8	0.793	18.70	20.22	38.92	56.00	-17.08	QP
9	0.953	11.90	20.19	32.09	46.00	-13.91	Average
10	0.953	18.20	20.19	38.39	56.00	-17.61	QP
11	1.107	12.30	20.19	32.49	46.00	-13.51	Average
12	1.107	18.80	20.19	38.99	56.00	-17.01	QP

Configuration 2



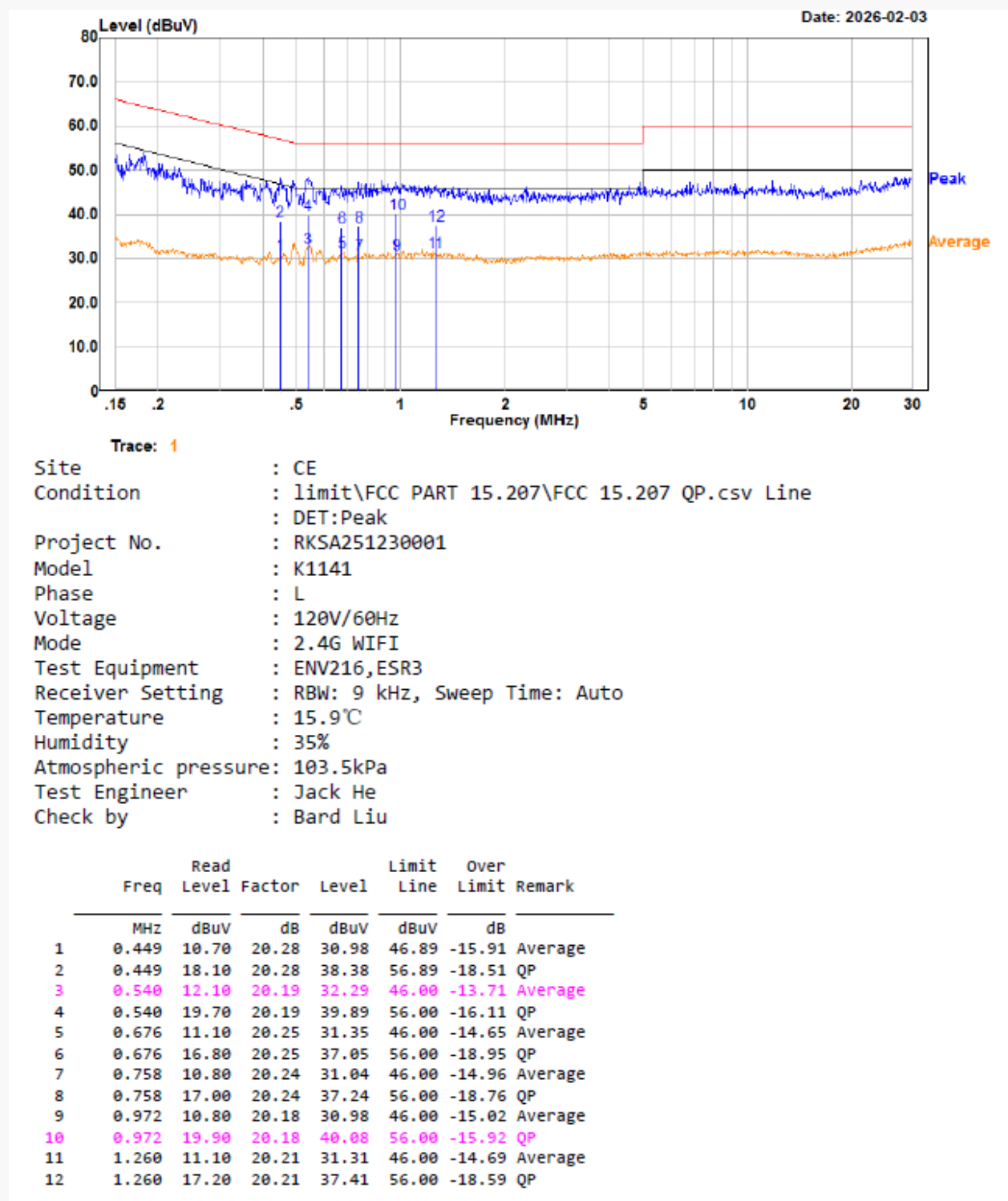


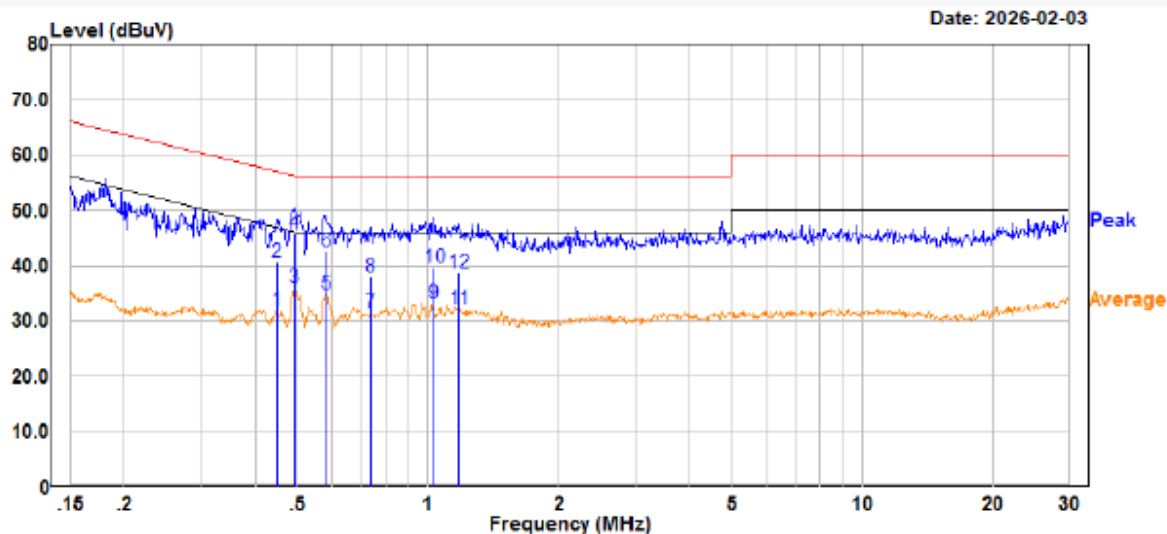
Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
 : DET:Peak
 Project No. : RKSA251230001
 Model : K1141
 Phase : N
 Voltage : 120V/60Hz
 Mode : 2.4G WIFI
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 15.9°C
 Humidity : 35%
 Atmospheric pressure: 103.5kPa
 Test Engineer : Jack He
 Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.509	15.40	20.20	35.60	46.00	-10.40	Average
2	0.509	23.60	20.20	43.80	56.00	-12.20	QP
3	0.579	14.50	20.22	34.72	46.00	-11.28	Average
4	0.579	22.30	20.22	42.52	56.00	-13.48	QP
5	0.676	12.11	20.23	32.34	46.00	-13.66	Average
6	0.676	18.71	20.23	38.94	56.00	-17.06	QP
7	0.837	11.90	20.21	32.11	46.00	-13.89	Average
8	0.837	19.10	20.21	39.31	56.00	-16.69	QP
9	0.972	13.30	20.18	33.48	46.00	-12.52	Average
10	0.972	19.90	20.18	40.08	56.00	-15.92	QP
11	1.324	11.39	20.22	31.61	46.00	-14.39	Average
12	1.324	17.39	20.22	37.61	56.00	-18.39	QP

Configuration 3



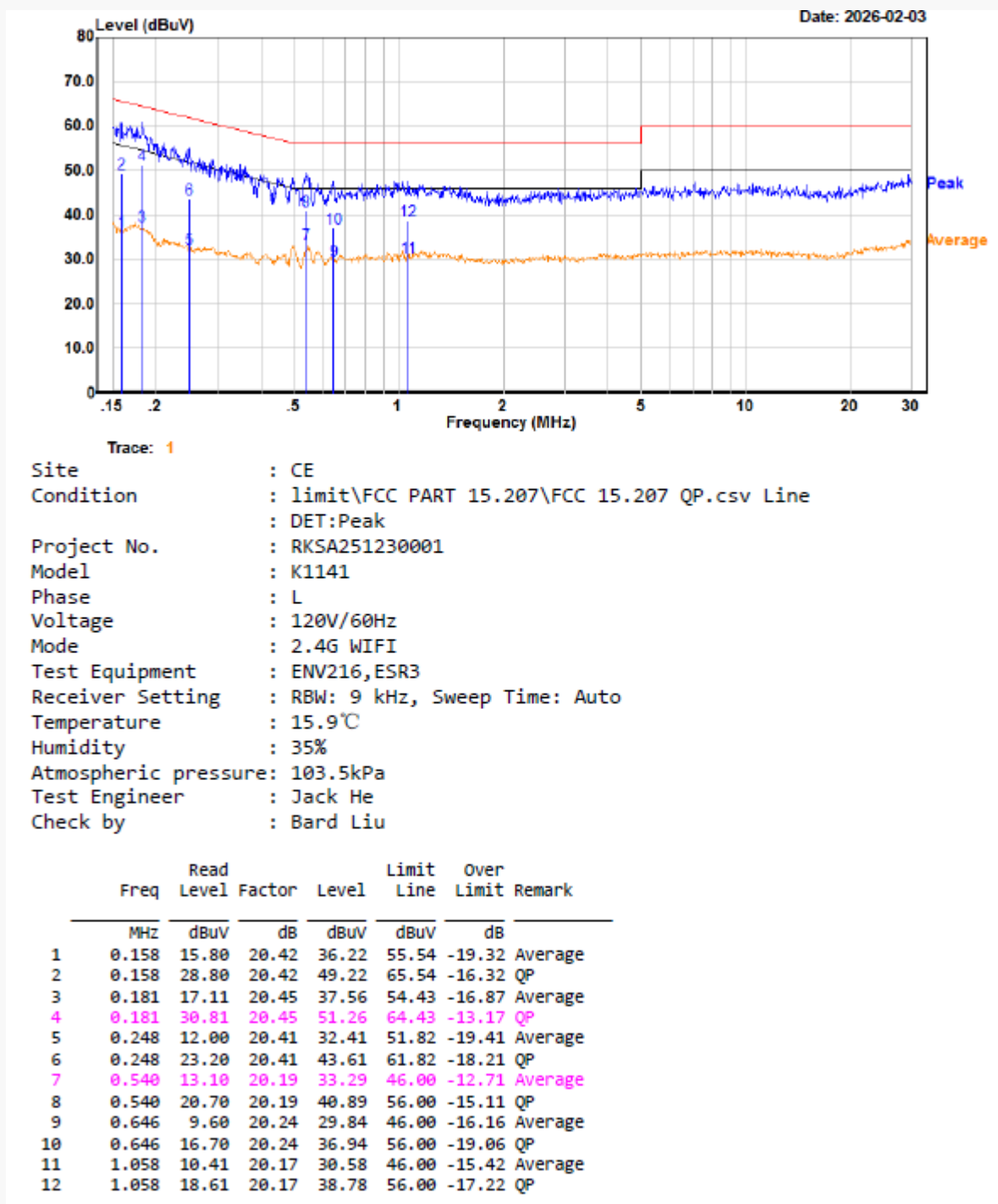


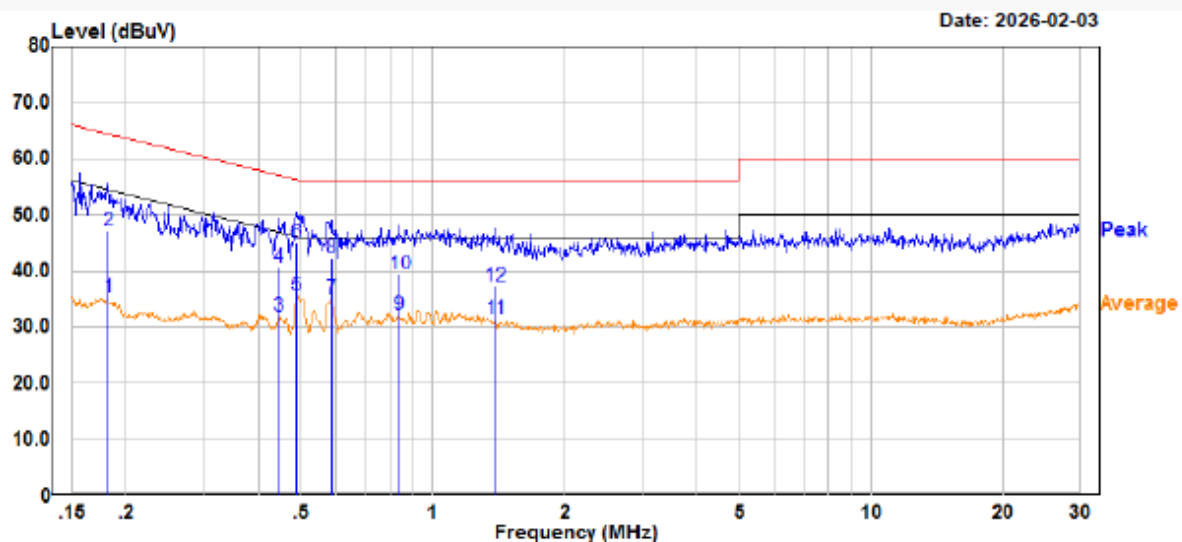
Trace: 1

Site : CE
Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
: DET:Peak
Project No. : RKSA251230001
Model : K1141
Phase : N
Voltage : 120V/60Hz
Mode : 2.4G WIFI
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 15.9℃
Humidity : 35%
Atmospheric pressure: 103.5kPa
Test Engineer : Jack He
Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.449	11.50	20.31	31.81	46.89	-15.08	Average
2	0.449	20.30	20.31	40.61	56.89	-16.28	QP
3	0.491	15.90	20.22	36.12	46.15	-10.03	Average
4	0.491	25.50	20.22	45.72	56.15	-10.43	QP
5	0.582	14.70	20.22	34.92	46.00	-11.08	Average
6	0.582	22.30	20.22	42.52	56.00	-13.48	QP
7	0.739	11.20	20.23	31.43	46.00	-14.57	Average
8	0.739	17.70	20.23	37.93	56.00	-18.07	QP
9	1.032	13.00	20.18	33.18	46.00	-12.82	Average
10	1.032	19.40	20.18	39.58	56.00	-16.42	QP
11	1.175	11.91	20.19	32.10	46.00	-13.90	Average
12	1.175	18.61	20.19	38.80	56.00	-17.20	QP

Configuration 4

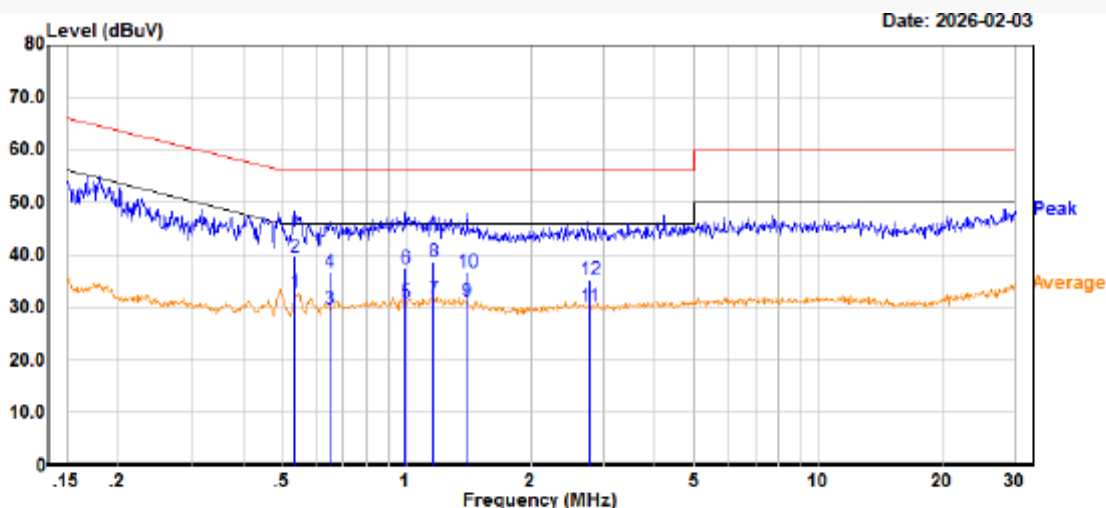




Trace: 1

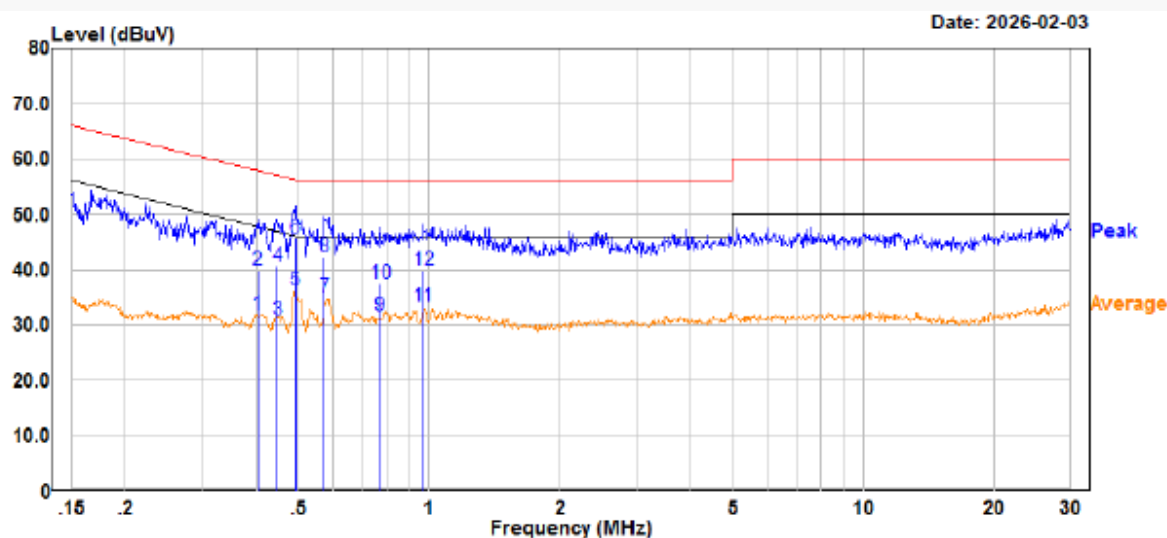
Site : CE
 Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
 : DET:Peak
 Project No. : RKSA251230001
 Model : K1141
 Phase : N
 Voltage : 120V/60Hz
 Mode : 2.4G WIFI
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 15.9°C
 Humidity : 35%
 Atmospheric pressure: 103.5kPa
 Test Engineer : Jack He
 Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.182	14.81	20.41	35.22	54.39	-19.17	Average
2	0.182	26.71	20.41	47.12	64.39	-17.27	QP
3	0.445	11.60	20.31	31.91	46.98	-15.07	Average
4	0.445	20.30	20.31	40.61	56.98	-16.37	QP
5	0.489	15.20	20.22	35.42	46.19	-10.77	Average
6	0.489	24.80	20.22	45.02	56.19	-11.17	QP
7	0.588	14.90	20.22	35.12	46.00	-10.88	Average
8	0.588	22.10	20.22	42.32	56.00	-13.68	QP
9	0.837	12.00	20.21	32.21	46.00	-13.79	Average
10	0.837	19.30	20.21	39.51	56.00	-16.49	QP
11	1.385	11.20	20.22	31.42	46.00	-14.58	Average
12	1.385	17.10	20.22	37.32	56.00	-18.68	QP

For BLE Mode:*EUT operation mode: Transmitting in BLE (1 Mbps) high channel (maximum output power)**Configuration 1*

Site : CE
Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Line
DET:Peak
Project No. : RKSA251230001
Model : K1141
Phase : L
Voltage : 120V/60Hz
Mode : BLE 1M
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 15.9℃
Humidity : 35%
Atmospheric pressure: 103.5kPa
Test Engineer : Jack He
Check by : Bard Liu

	Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.535	12.70	20.19	32.89	46.00	-13.11 Average
2	0.535	19.40	20.19	39.59	56.00	-16.41 QP
3	0.649	9.60	20.24	29.84	46.00	-16.16 Average
4	0.649	16.50	20.24	36.74	56.00	-19.26 QP
5	0.992	10.80	20.17	30.97	46.00	-15.03 Average
6	0.992	17.40	20.17	37.57	56.00	-18.43 QP
7	1.158	11.60	20.19	31.79	46.00	-14.21 Average
8	1.158	18.40	20.19	38.59	56.00	-17.41 QP
9	1.399	10.91	20.22	31.13	46.00	-14.87 Average
10	1.399	16.51	20.22	36.73	56.00	-19.27 QP
11	2.770	9.89	20.26	30.15	46.00	-15.85 Average
12	2.770	15.09	20.26	35.35	56.00	-20.65 QP

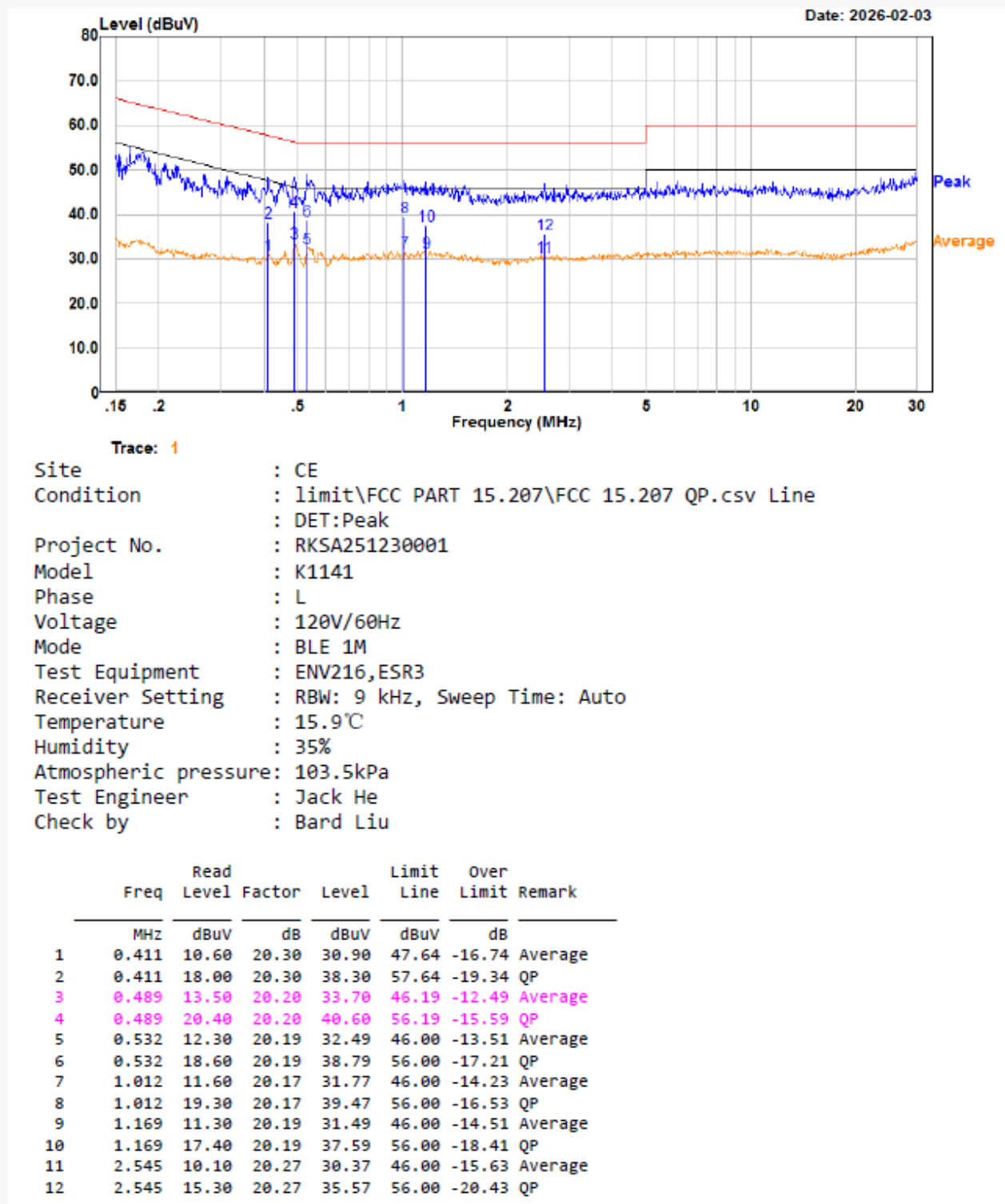


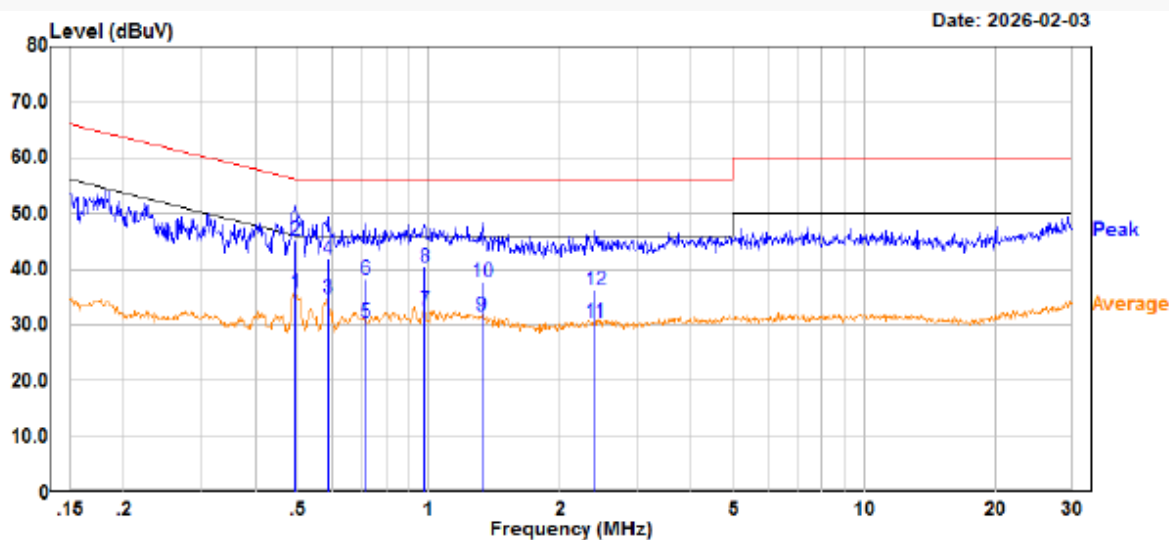
Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
 : DET:Peak
 Project No. : RKSA251230001
 Model : K1141
 Phase : N
 Voltage : 120V/60Hz
 Mode : BLE 1M
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 15.9°C
 Humidity : 35%
 Atmospheric pressure: 103.5kPa
 Test Engineer : Jack He
 Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBUV	dB	dBUV	dBUV	dB	
1	0.402	11.70	20.31	32.01	47.80	-15.79	Average
2	0.402	19.60	20.31	39.91	57.80	-17.89	QP
3	0.447	10.70	20.31	31.01	46.93	-15.92	Average
4	0.447	20.20	20.31	40.51	56.93	-16.42	QP
5	0.491	16.00	20.22	36.22	46.15	-9.93	Average
6	0.491	25.50	20.22	45.72	56.15	-10.43	QP
7	0.573	14.80	20.22	35.02	46.00	-10.98	Average
8	0.573	22.10	20.22	42.32	56.00	-13.68	QP
9	0.769	11.40	20.22	31.62	46.00	-14.38	Average
10	0.769	17.30	20.22	37.52	56.00	-18.48	QP
11	0.968	13.20	20.19	33.39	46.00	-12.61	Average
12	0.968	19.60	20.19	39.79	56.00	-16.21	QP

Configuration 2



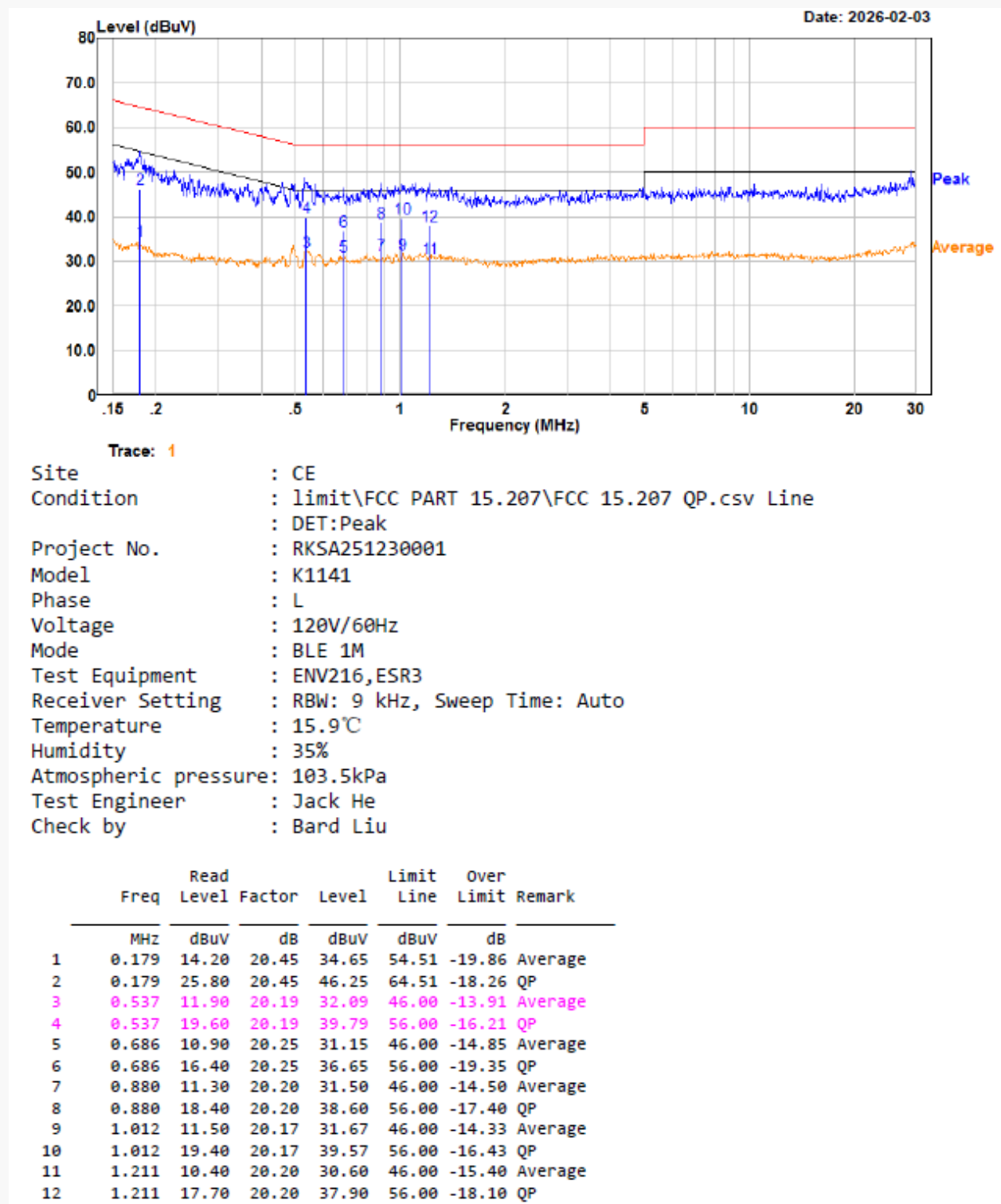


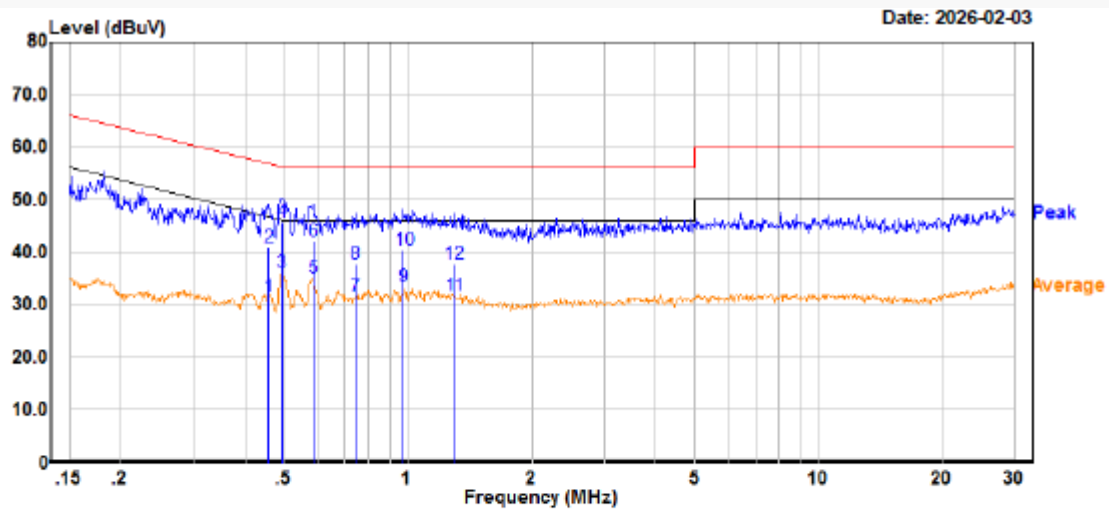
Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
 : DET:Peak
 Project No. : RKSA251230001
 Model : K1141
 Phase : N
 Voltage : 120V/60Hz
 Mode : BLE 1M
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 15.9°C
 Humidity : 35%
 Atmospheric pressure: 103.5kPa
 Test Engineer : Jack He
 Check by : Bard Liu

	Read			Limit	Over	
Freq	Level	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.494	15.60	20.21	35.81	46.11	-10.30 Average
2	0.494	24.90	20.21	45.11	56.11	-11.00 QP
3	0.588	14.70	20.22	34.92	46.00	-11.08 Average
4	0.588	21.50	20.22	41.72	56.00	-14.28 QP
5	0.714	10.30	20.24	30.54	46.00	-15.46 Average
6	0.714	17.90	20.24	38.14	56.00	-17.86 QP
7	0.977	12.40	20.18	32.58	46.00	-13.42 Average
8	0.977	20.10	20.18	40.28	56.00	-15.72 QP
9	1.324	11.39	20.22	31.61	46.00	-14.39 Average
10	1.324	17.49	20.22	37.71	56.00	-18.29 QP
11	2.409	10.10	20.26	30.36	46.00	-15.64 Average
12	2.409	15.90	20.26	36.16	56.00	-19.84 QP

Configuration 3





Trace: 1

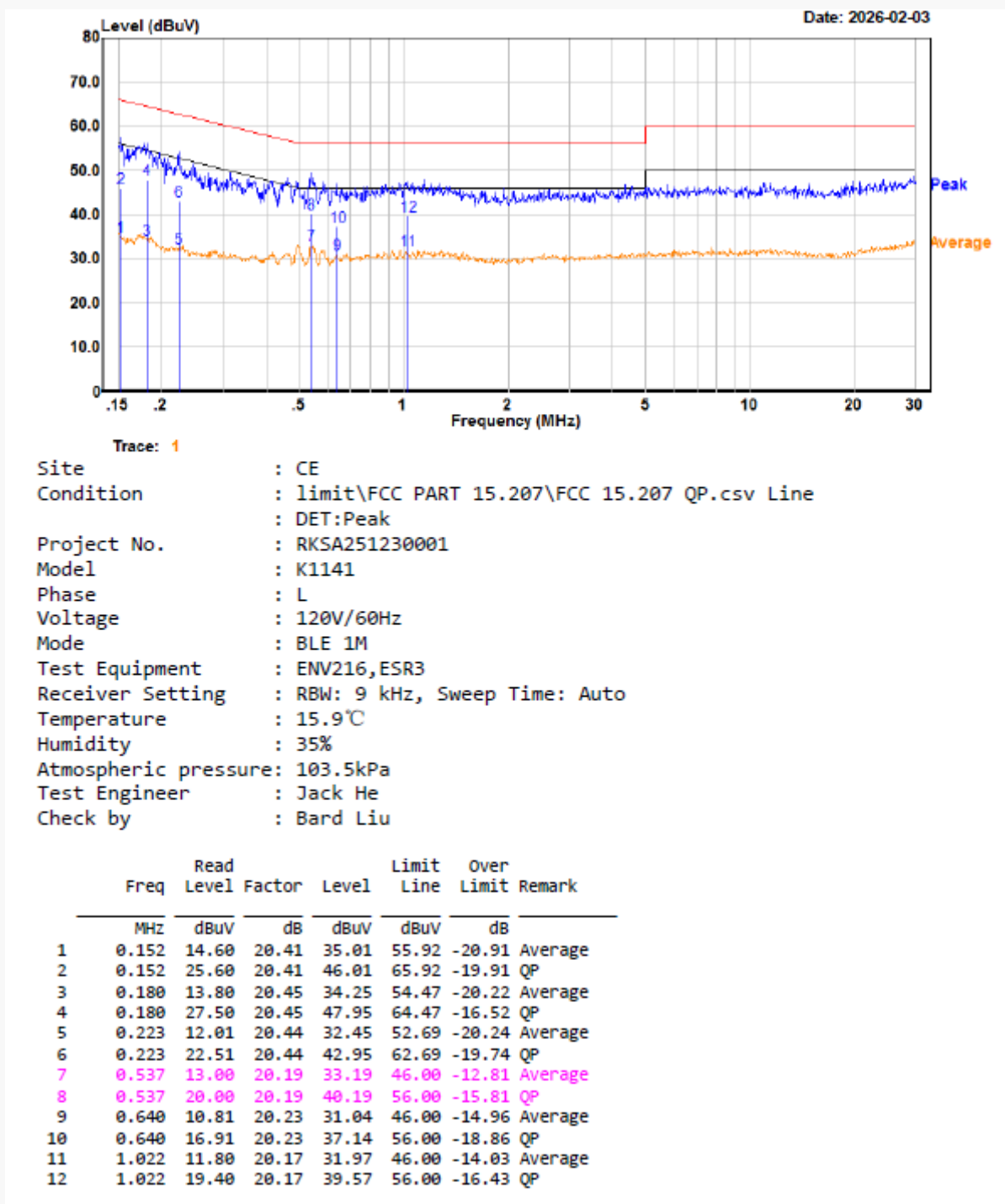
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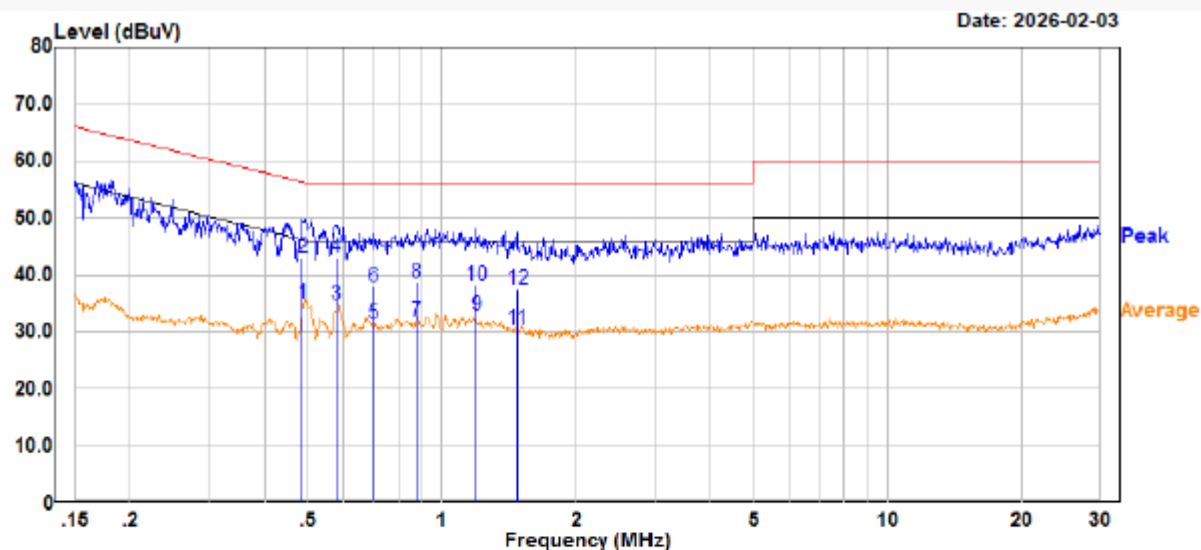
Site                : CE
Condition           : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
                   : DET:Peak
Project No.        : RKSA251230001
Model               : K1141
Phase              : N
Voltage            : 120V/60Hz
Mode               : BLE 1M
Test Equipment      : ENV216,ESR3
Receiver Setting    : RBW: 9 kHz, Sweep Time: Auto
Temperature         : 15.9℃
Humidity           : 35%
Atmospheric pressure: 103.5kPa
Test Engineer       : Jack He
Check by           : Bard Liu

```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.456	11.20	20.29	31.49	46.77	-15.28	Average
2	0.456	20.50	20.29	40.79	56.77	-15.98	QP
3	0.491	15.90	20.22	36.12	46.15	-10.03	Average
4	0.491	25.50	20.22	45.72	56.15	-10.43	QP
5	0.588	14.90	20.22	35.12	46.00	-10.88	Average
6	0.588	21.90	20.22	42.12	56.00	-13.88	QP
7	0.743	11.20	20.23	31.43	46.00	-14.57	Average
8	0.743	17.50	20.23	37.73	56.00	-18.27	QP
9	0.972	13.30	20.18	33.48	46.00	-12.52	Average
10	0.972	20.20	20.18	40.38	56.00	-15.62	QP
11	1.292	11.50	20.21	31.71	46.00	-14.29	Average
12	1.292	17.50	20.21	37.71	56.00	-18.29	QP

Configuration 4





Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207\FCC 15.207 QP.csv Neutral
 : DET:Peak
 Project No. : RKSA251230001
 Model : K1141
 Phase : N
 Voltage : 120V/60Hz
 Mode : BLE 1M
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 15.9℃
 Humidity : 35%
 Atmospheric pressure: 103.5kPa
 Test Engineer : Jack He
 Check by : Bard Liu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.486	14.91	20.22	35.13	46.23	-11.10	Average
2	0.486	22.81	20.22	43.03	56.23	-13.20	QP
3	0.579	14.50	20.22	34.72	46.00	-11.28	Average
4	0.579	22.70	20.22	42.92	56.00	-13.08	QP
5	0.703	11.20	20.24	31.44	46.00	-14.56	Average
6	0.703	17.60	20.24	37.84	56.00	-18.16	QP
7	0.876	11.80	20.20	32.00	46.00	-14.00	Average
8	0.876	18.50	20.20	38.70	56.00	-17.30	QP
9	1.193	12.69	20.21	32.90	46.00	-13.10	Average
10	1.193	17.99	20.21	38.20	56.00	-17.80	QP
11	1.471	10.20	20.23	30.43	46.00	-15.57	Average
12	1.471	17.20	20.23	37.43	56.00	-18.57	QP

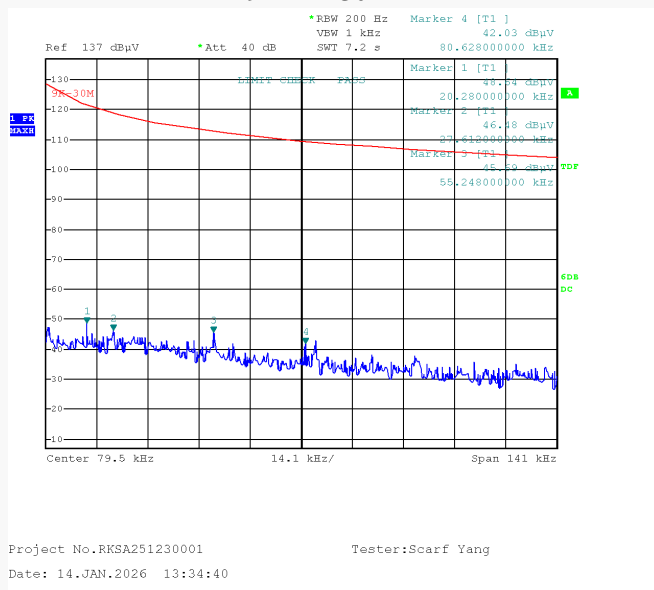
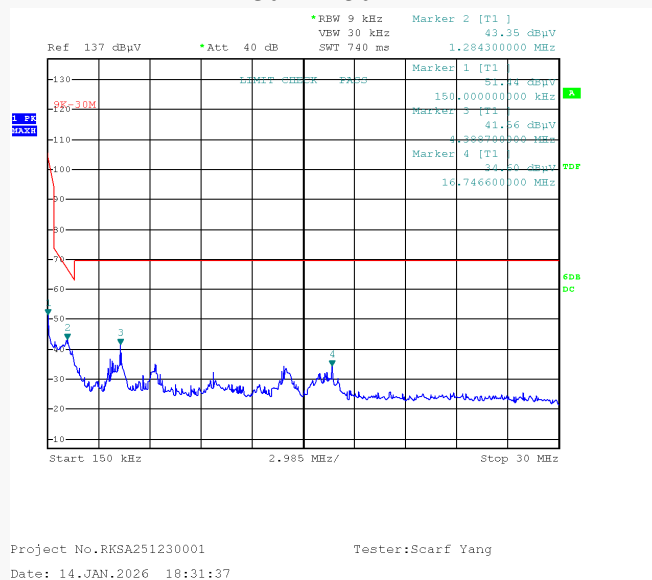
SPURIOUS EMISSIONS**Environmental Conditions & Test Information**

Test Item:	SPURIOUS EMISSIONS			
	9kHz – 30MHz	30MHz - 1GHz	1 GHz - 18 GHz	18 GHz - 25 GHz
Test Date:	2026-01-14	2026-01-13	2026-01-12 to 2026-01-18	2026-02-07
Temperature:	20.7 °C	15.6 °C	16.1-17.5 °C	19.6 °C
Relative Humidity:	46 %	43 %	41-43 %	50 %
ATM Pressure:	102.2 kPa	102.8 kPa	101.7-102.5 kPa	102.7 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang	Destine Hu	Hugh Wu

Test Result: Compliant*EUT operation mode: Transmitting**After pre-scan in the X, Y and Z axes of orientation, the worst case at Y axis is below:*

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

Configuration 1

Parallel(worst case)**9kHz-150kHz****150kHz-30MHz****9kHz-150kHz**

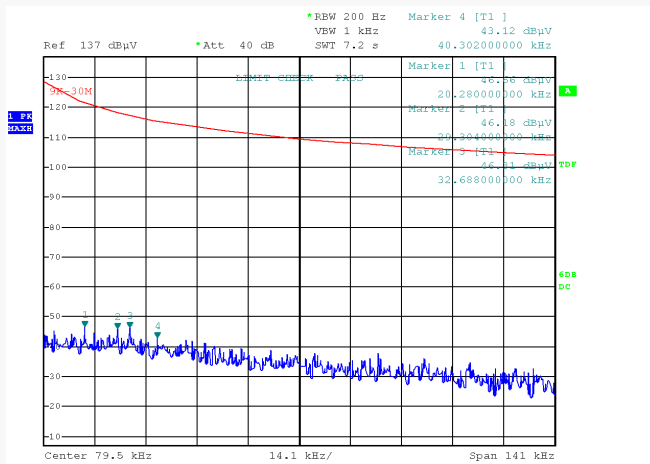
Frequency (MHz)	Corrected Amplitude (dBuV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBuV/m) @3m	Margin (dB)
0.020280	48.64	PK	-0.56	121.46	72.82
0.027612	46.48	PK	-0.60	118.78	72.30
0.055248	45.69	PK	-4.42	112.76	67.07
0.080628	42.03	PK	-7.37	109.48	67.45

150kHz-30MHz

Frequency (MHz)	Corrected Amplitude (dBuV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBuV/m) @3m	Margin (dB)
0.150000	51.44	PK	-11.34	104.08	52.64
1.284300	43.35	PK	-28.55	65.43	22.08
4.388700	41.56	PK	-31.97	69.54	27.98
16.746600	34.60	PK	-33.17	69.54	34.94

Configuration 2
Parallel(worst case)

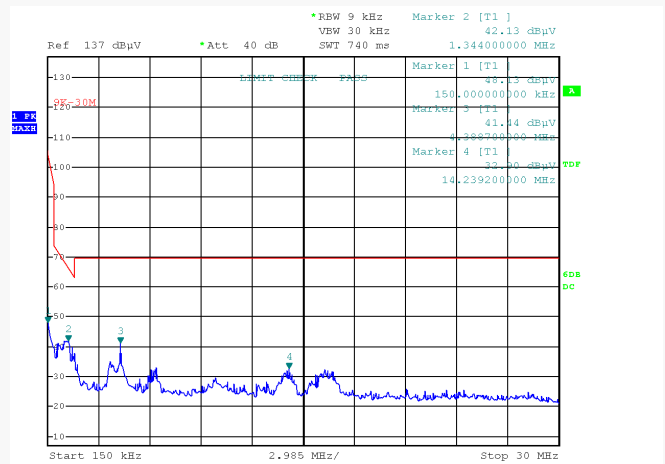
9kHz-150kHz



Project No. RKSA251230001
Date: 14.JAN.2026 13:24:37

Tester: Scarf Yang

150kHz-30MHz



Project No. RKSA251230001
Date: 14.JAN.2026 17:58:35

Tester: Scarf Yang

9kHz-150kHz

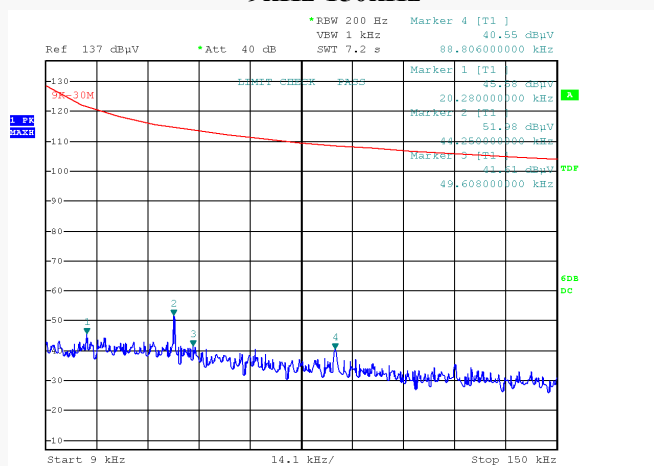
Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.020280	46.66	PK	-0.56	121.46	74.80
0.029304	46.18	PK	-0.61	118.27	72.09
0.032688	46.31	PK	-1.04	117.32	71.01
0.040302	43.12	PK	-2.26	115.50	72.38

150kHz-30MHz

Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.150000	48.13	PK	-11.34	104.08	55.95
1.344000	42.13	PK	-28.75	65.04	22.91
4.388700	41.44	PK	-31.97	69.54	28.10
14.239200	32.90	PK	-33.12	69.54	36.64

Configuration 3 Parallel(worst case)

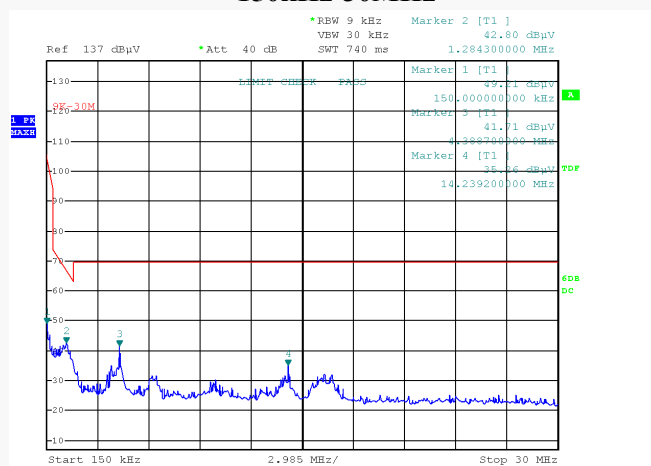
9kHz-150kHz



Project No. RKSA251230001
Date: 14.JAN.2026 15:56:12

Tester: Scarf Yang

150kHz-30MHz



Project No. RKSA251230001
Date: 14.JAN.2026 18:54:24

Tester: Scarf Yang

9kHz-150kHz

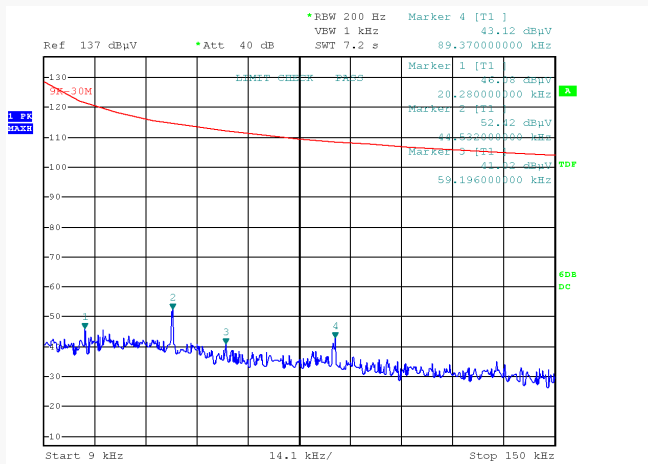
Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.020280	45.58	PK	-0.56	121.46	75.88
0.044250	51.98	PK	-2.89	114.69	62.71
0.049608	41.61	PK	-3.75	113.69	72.08
0.088806	40.55	PK	-8.15	108.64	68.09

150kHz-30MHz

Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.150000	49.21	PK	-11.34	104.08	54.87
1.284300	42.80	PK	-28.54	65.43	22.63
4.388700	41.71	PK	-31.97	69.54	27.83
14.239200	35.26	PK	-33.12	69.54	34.28

Configuration 4
Parallel(worst case)

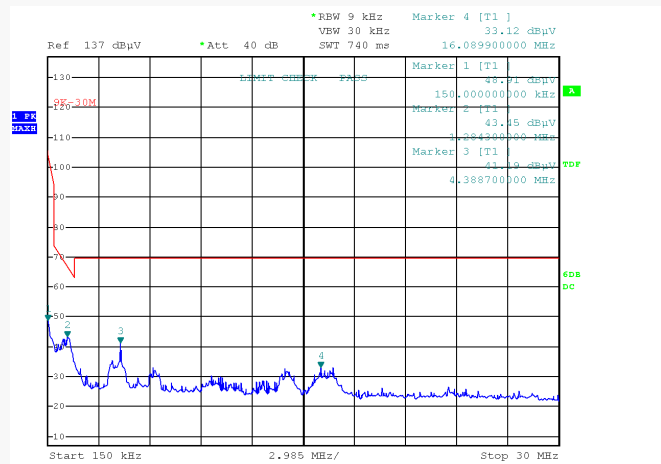
9kHz-150kHz



Project No. RKSA251230001
 Date: 14.JAN.2026 15:44:25

Tester: Scarf Yang

150kHz-30MHz



Project No. RKSA251230001
 Date: 14.JAN.2026 17:40:52

Tester: Scarf Yang

9kHz-150kHz

Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.020280	46.08	PK	-0.56	121.46	75.38
0.044532	52.42	PK	-2.94	114.63	62.21
0.059196	41.02	PK	-4.88	112.16	71.14
0.089370	43.12	PK	-8.20	108.58	65.46

150kHz-30MHz

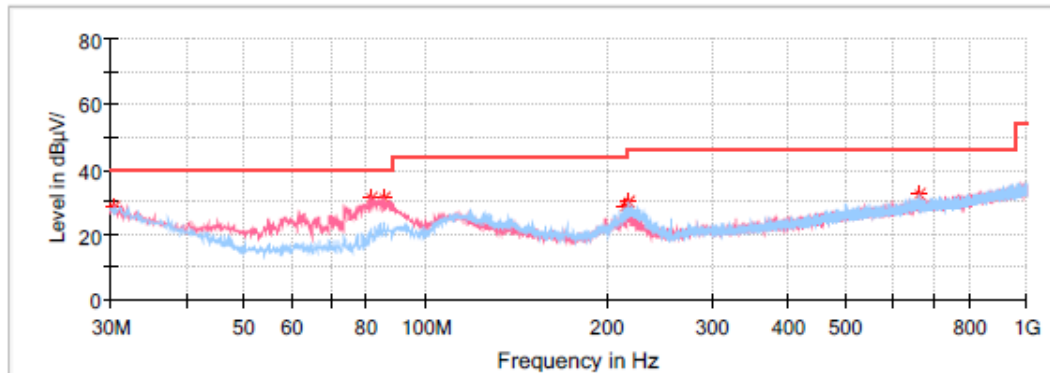
Frequency (MHz)	Corrected Amplitude (dBμV/m) @3m	Detector PK/QP/Ave.	Corrected Factor (dB/m)	Limit (dBμV/m) @3m	Margin (dB)
0.150000	48.91	PK	-11.34	104.08	55.17
1.284300	43.45	PK	-28.55	65.43	21.98
4.388700	41.19	PK	-31.97	69.54	28.35
16.089900	33.12	PK	-33.21	69.54	36.42

30MHz-1GHz (Transmitting in maximum output power mode (802.11b mode middle channel)): Configuration 1

Middle Channel: 2437MHz

Common Information

Project No:	RKSA251230001
EUT Model:	K1141
Test Mode:	Transmitting in 802.11b mode middle channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	15.6°C
Humidity:	43%
Barometric Pressure:	102.8kPa
Test Engineer:	Scarf Yang
Check Engineer:	Hardy Huang
Test Date:	2026/1/13



Critical_Freqs

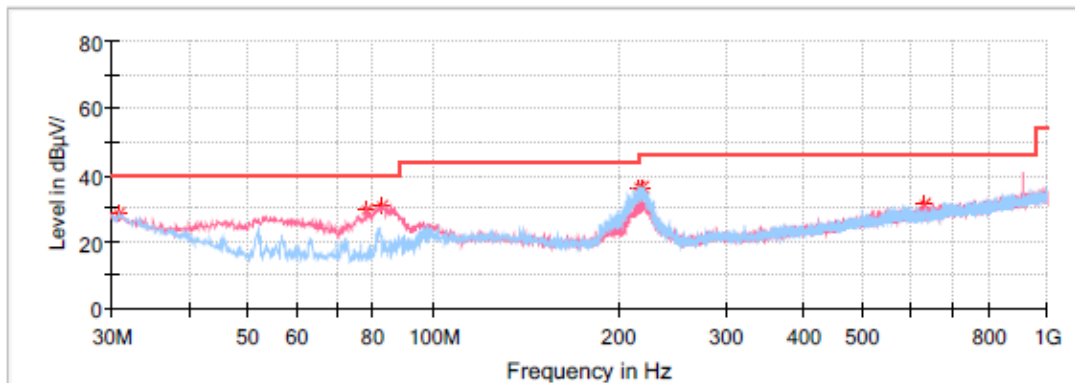
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.485000	28.55	40.00	11.45	V	-5.0
81.410000	30.97	40.00	9.03	V	-17.1
85.775000	31.13	40.00	8.87	V	-17.0
215.391250	28.27	43.50	15.23	H	-13.2
218.422500	30.25	46.00	15.75	H	-13.4
660.985000	32.56	46.00	13.44	H	-2.8

Configuration 2

Middle Channel: 2437MHz

Common Information

Project No: RKSA251230001
EUT Model: K1141
Test Mode: Transmitting in 802.11b mode middle channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 15.6°C
Humidity: 43%
Barometric Pressure: 102.8kPa
Test Engineer: Scarf Yang
Check Engineer: Hardy Huang
Test Date: 2026/1/13



Critical_Freqs

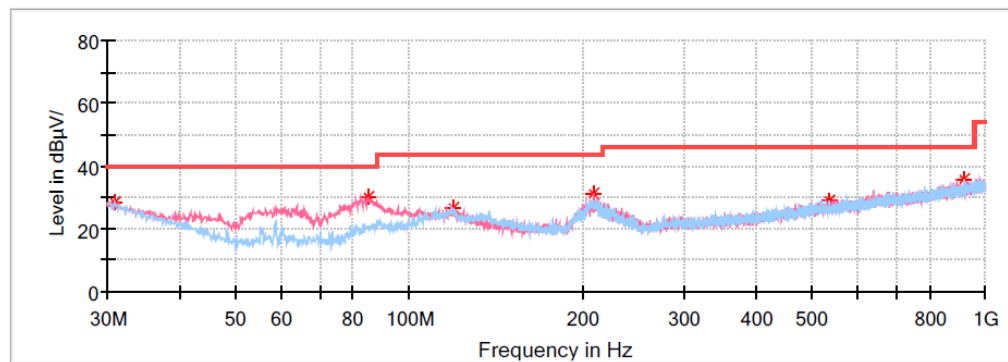
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.970000	28.25	40.00	11.75	H	-5.4
78.257500	29.49	40.00	10.51	V	-17.0
82.743750	30.80	40.00	9.20	V	-17.1
215.755000	36.42	43.50	7.08	H	-13.2
220.241250	36.57	46.00	9.43	H	-13.5
630.551250	31.38	46.00	14.62	V	-3.4

Configuration 3

Middle Channel: 2437MHz

Common Information

Project No: RKSA251230001
EUT Model: K1141
Test Mode: Transmitting in 802.11b mode middle channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 15.6°C
Humidity: 43%
Barometric Pressure: 102.8kPa
Test Engineer: Scarf Yang
Check Engineer: Hardy Huang
Test Date: 2026/1/13



Critical_Freqs

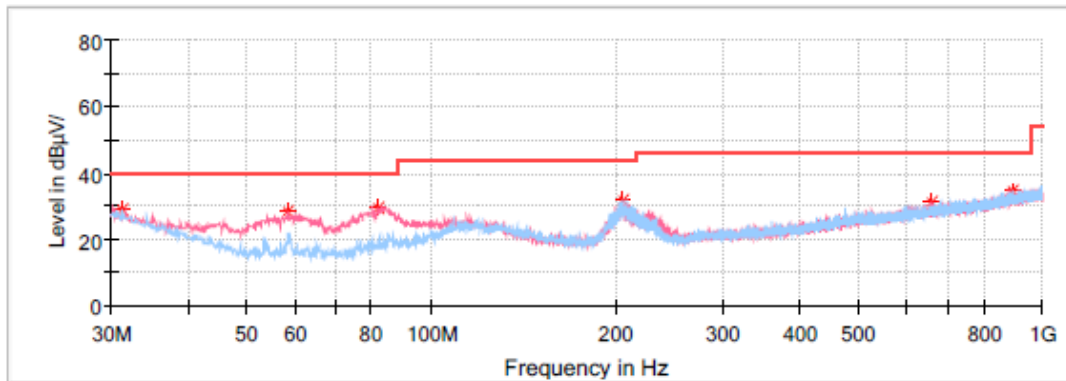
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.970000	28.51	40.00	11.49	H	-5.4
84.926250	30.22	40.00	9.78	V	-17.0
119.118750	26.83	43.50	16.67	H	-11.0
209.086250	31.15	43.50	12.35	V	-12.7
535.855000	29.19	46.00	16.81	H	-4.9
916.095000	35.56	46.00	10.44	H	1.3

Configuration 4

Middle Channel: 2437MHz

Common Information

Project No: RKSA251230001
EUT Model: K1141
Test Mode: Transmitting in 802.11b mode middle channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment: ESCI, JB3, 310N
Receiver Setting: RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature: 15.6°C
Humidity: 43%
Barometric Pressure: 102.8kPa
Test Engineer: Scarf Yang
Check Engineer: Hardy Huang
Test Date: 2026/1/13



Critical_Freqs

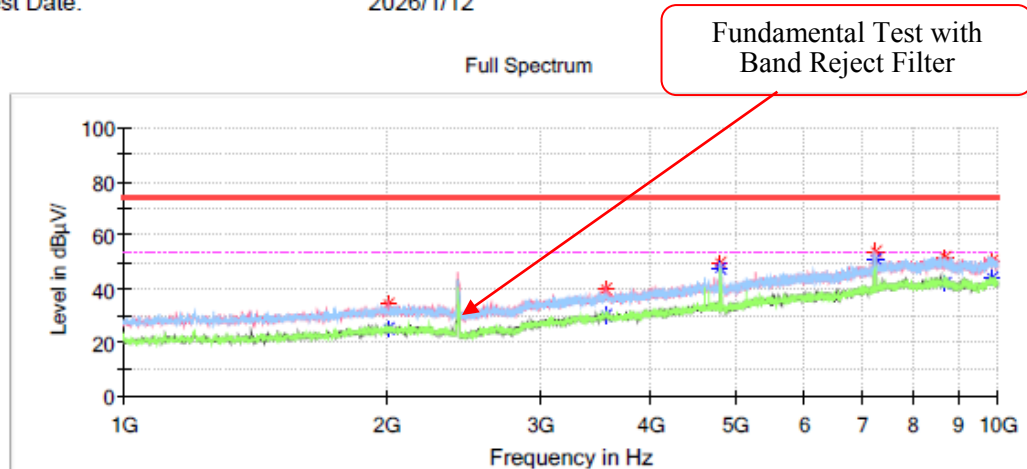
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
31.212500	28.96	40.00	11.04	H	-5.5
58.372500	28.17	40.00	11.83	V	-17.1
82.016250	29.37	40.00	10.63	V	-17.1
206.297500	31.97	43.50	11.53	H	-12.5
656.256250	31.41	46.00	14.59	V	-2.9
891.966250	34.58	46.00	11.42	H	0.9

1GHz-18GHz

Configuration 1

802.11b Mode:**Low Channel: 2412MHz****Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

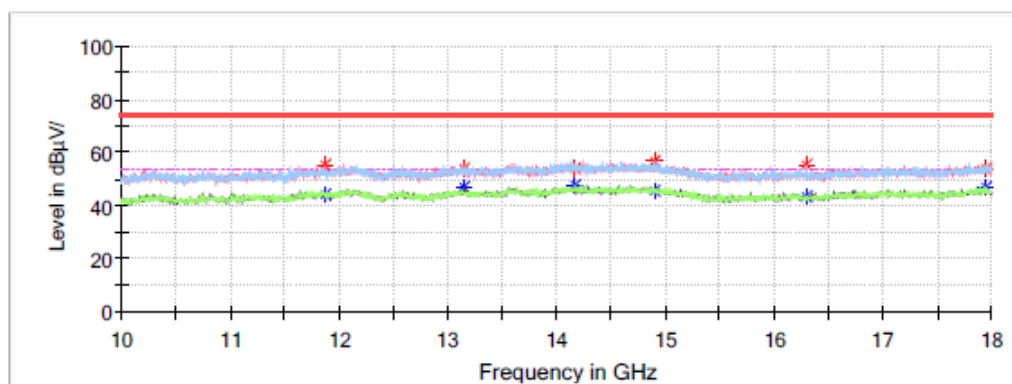
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2002.600000	---	24.90	54.00	29.10	V	-10.0
2002.600000	34.07	---	74.00	39.93	V	-10.0
3568.600000	---	30.23	54.00	23.77	V	-6.1
3568.600000	39.59	---	74.00	34.41	V	-6.1
4824.100000	---	47.35	54.00	6.65	H	-3.4
4824.100000	49.95	---	74.00	24.05	H	-3.4
7235.200000	54.11	---	74.00	19.89	V	2.2
7235.200000	---	50.77	54.00	3.23	V	2.2
8699.500000	---	42.08	54.00	11.92	H	4.7
8699.500000	52.05	---	74.00	21.95	H	4.7
9868.600000	50.14	---	74.00	23.86	V	6.0
9868.600000	---	44.29	54.00	9.71	V	6.0

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

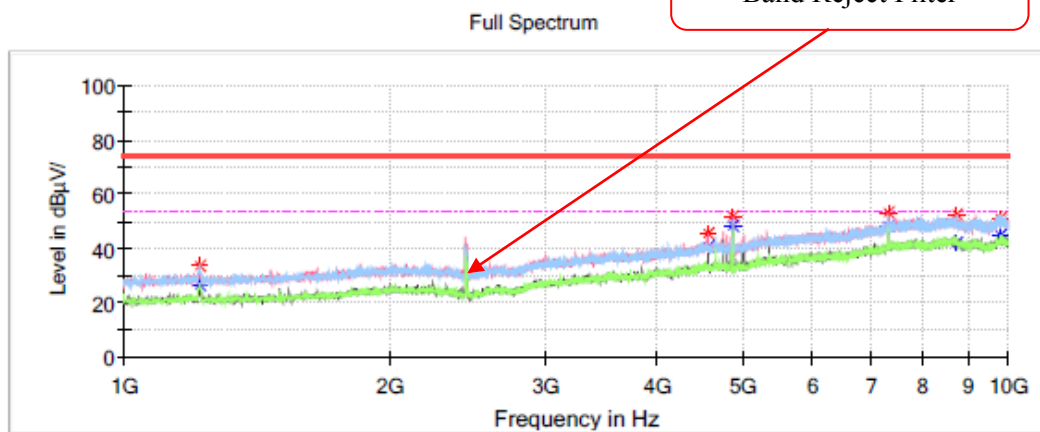


Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11876.800000	---	43.95	54.00	10.05	V	8.8
11876.800000	54.90	---	74.00	19.10	V	8.8
13153.600000	53.87	---	74.00	20.13	V	9.4
13153.600000	---	47.10	54.00	6.90	V	9.4
14166.400000	53.82	---	74.00	20.18	H	11.4
14166.400000	---	47.31	54.00	6.69	H	11.4
14896.000000	56.95	---	74.00	17.05	H	10.6
14896.000000	---	45.14	54.00	8.86	H	10.6
16300.800000	---	43.44	54.00	10.56	H	8.9
16300.800000	55.18	---	74.00	18.82	H	8.9
17944.000000	53.92	---	74.00	20.08	H	11.6
17944.000000	---	46.54	54.00	7.46	H	11.6

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11b mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1°C
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

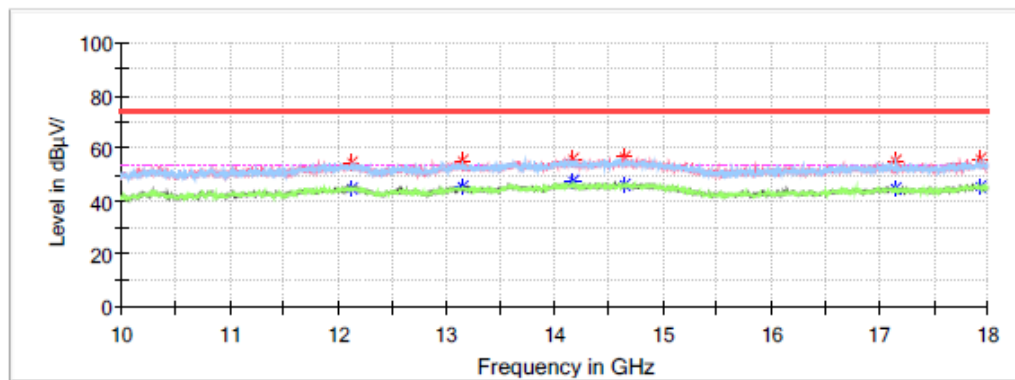
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1217.800000	33.68	---	74.00	40.32	H	-14.4
1217.800000	---	26.25	54.00	27.75	H	-14.4
4580.200000	45.15	---	74.00	28.85	V	-4.0
4580.200000	---	40.50	54.00	13.50	V	-4.0
4873.600000	51.69	---	74.00	22.31	V	-3.2
4873.600000	---	48.23	54.00	5.77	V	-3.2
7310.800000	---	48.42	54.00	5.58	V	2.4
7310.800000	52.86	---	74.00	21.14	V	2.4
8764.300000	---	42.26	54.00	11.74	H	4.7
8764.300000	52.22	---	74.00	21.78	H	4.7
9820.900000	---	44.64	54.00	9.36	H	5.8
9820.900000	51.16	---	74.00	22.84	H	5.8

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

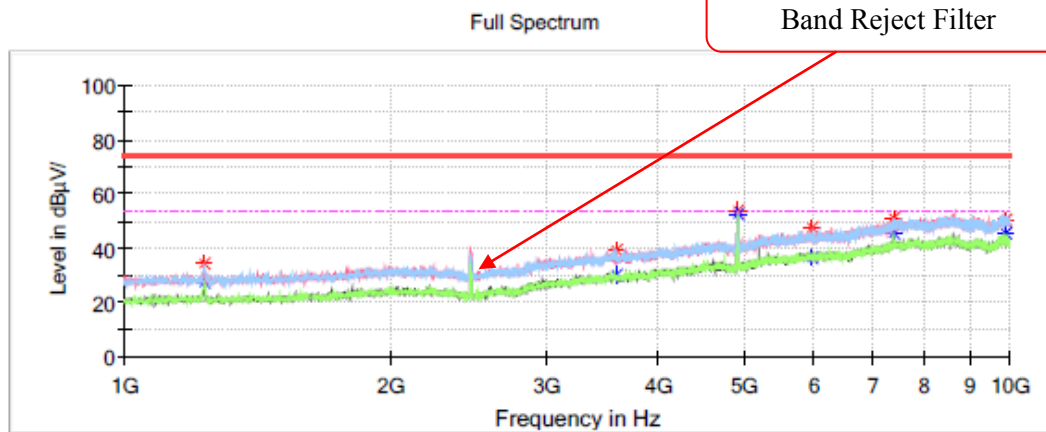


Critical Freqs

Frequency (MHz)	MaxPeak (dB μV/m)	Average (dB μV/m)	Limit (dB μV/m)	Margin (dB)	Pol	Corr. (dB/m)
12128.000000	54.70	---	74.00	19.30	H	9.0
12128.000000	---	44.99	54.00	9.01	H	9.0
13145.600000	---	45.15	54.00	8.85	H	9.4
13145.600000	54.98	---	74.00	19.02	H	9.4
14171.200000	---	47.34	54.00	6.66	V	11.4
14171.200000	55.64	---	74.00	18.36	V	11.4
14641.600000	---	45.98	54.00	8.02	V	11.5
14641.600000	56.59	---	74.00	17.41	V	11.5
17156.800000	---	44.52	54.00	9.48	H	10.8
17156.800000	54.92	---	74.00	19.08	H	10.8
17926.400000	56.27	---	74.00	17.73	H	11.6
17926.400000	---	45.72	54.00	8.28	H	11.6

High Channel: 2462MHz**Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

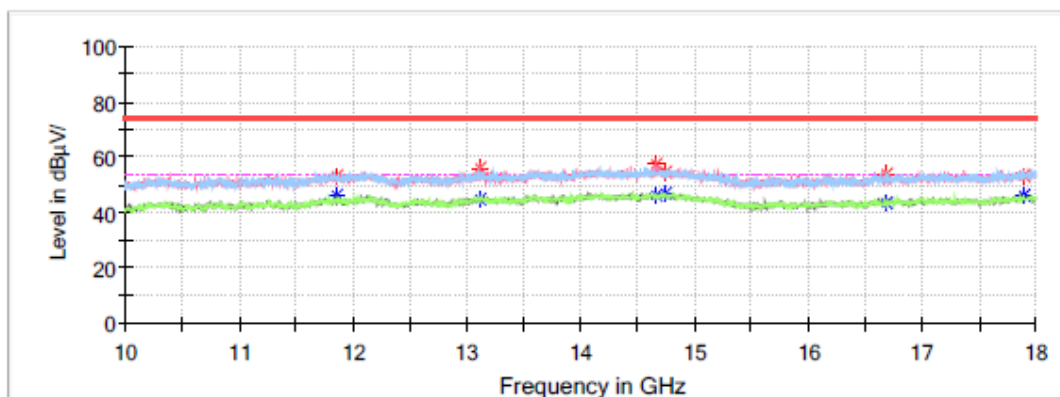
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1230.400000	---	27.40	54.00	26.60	H	-14.4
1230.400000	34.20	---	74.00	39.80	H	-14.4
3589.300000	---	29.85	54.00	24.15	H	-6.1
3589.300000	39.23	---	74.00	34.77	H	-6.1
4924.000000	---	52.46	54.00	1.54	V	-3.1
4924.000000	54.15	---	74.00	19.85	V	-3.1
5989.600000	---	36.50	54.00	17.50	V	-0.6
5989.600000	47.46	---	74.00	26.54	V	-0.6
7384.600000	50.85	---	74.00	23.15	H	2.6
7384.600000	---	45.75	54.00	8.25	H	2.6
9910.900000	50.28	---	74.00	23.72	H	6.1
9910.900000	---	45.15	54.00	8.85	H	6.1

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

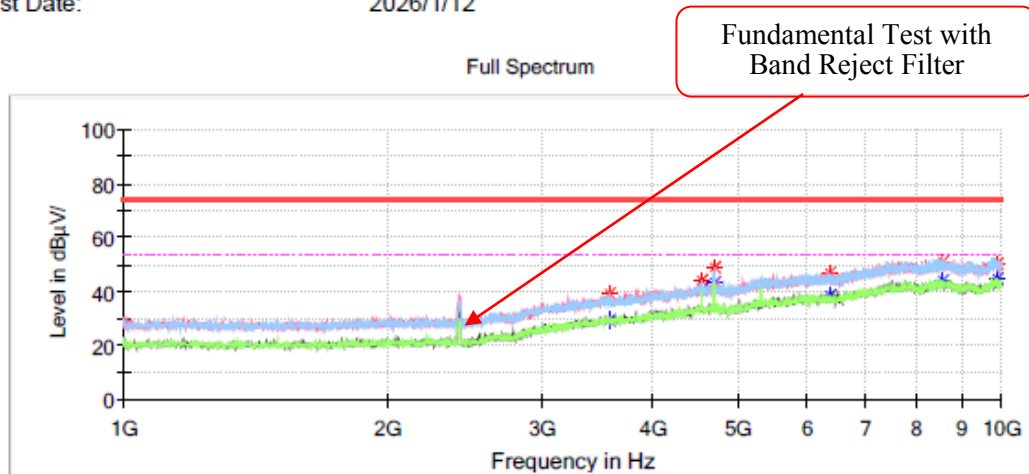


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11857.600000	---	46.20	54.00	7.80	V	8.8
11857.600000	53.26	---	74.00	20.74	V	8.8
13123.200000	55.95	---	74.00	18.05	V	9.4
13123.200000	---	44.62	54.00	9.38	V	9.4
14672.000000	57.07	---	74.00	16.93	V	11.4
14672.000000	---	46.27	54.00	7.73	V	11.4
14752.000000	---	47.10	54.00	6.90	V	11.1
14752.000000	54.21	---	74.00	19.79	V	11.1
16681.600000	---	43.29	54.00	10.71	H	9.7
16681.600000	54.16	---	74.00	19.84	H	9.7
17892.800000	53.04	---	74.00	20.96	H	11.5
17892.800000	---	46.33	54.00	7.67	H	11.5

802.11g Mode:**Low Channel: 2412MHz****Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

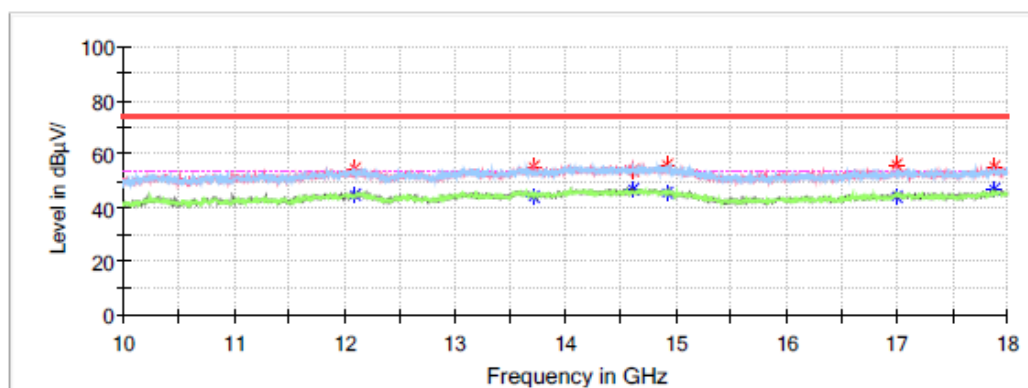
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3583.000000	38.89	---	74.00	35.11	V	-6.1
3583.000000	---	29.29	54.00	24.71	V	-6.1
4565.800000	44.04	---	74.00	29.96	H	-4.0
4565.800000	---	40.61	54.00	13.39	H	-4.0
4720.600000	---	43.23	54.00	10.77	H	-3.6
4720.600000	48.62	---	74.00	25.38	H	-3.6
6376.600000	---	38.19	54.00	15.81	V	-0.8
6376.600000	46.92	---	74.00	27.08	V	-0.8
8591.500000	---	44.34	54.00	9.66	V	4.7
8591.500000	50.97	---	74.00	23.03	V	4.7
9923.500000	---	44.95	54.00	9.05	V	6.1
9923.500000	50.46	---	74.00	23.54	V	6.1

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

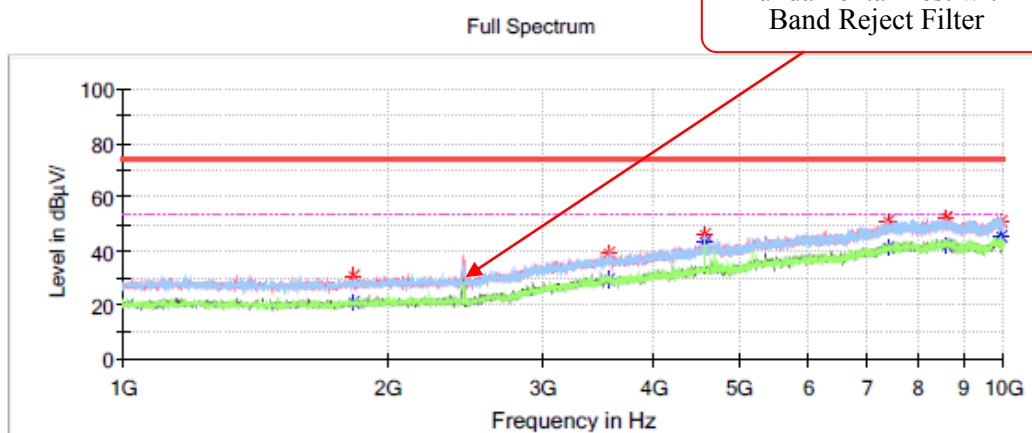


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12100.800000	---	44.50	54.00	9.50	V	9.0
12100.800000	54.84	---	74.00	19.16	V	9.0
13702.400000	---	44.39	54.00	9.61	V	10.4
13702.400000	55.24	---	74.00	18.76	V	10.4
14604.800000	---	47.00	54.00	7.00	V	11.6
14604.800000	53.89	---	74.00	20.11	V	11.6
14916.800000	---	45.75	54.00	8.25	H	10.6
14916.800000	56.28	---	74.00	17.72	H	10.6
16995.200000	---	44.35	54.00	9.65	V	10.9
16995.200000	55.63	---	74.00	18.37	V	10.9
17880.000000	55.20	---	74.00	18.80	H	11.4
17880.000000	---	46.63	54.00	7.37	H	11.4

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

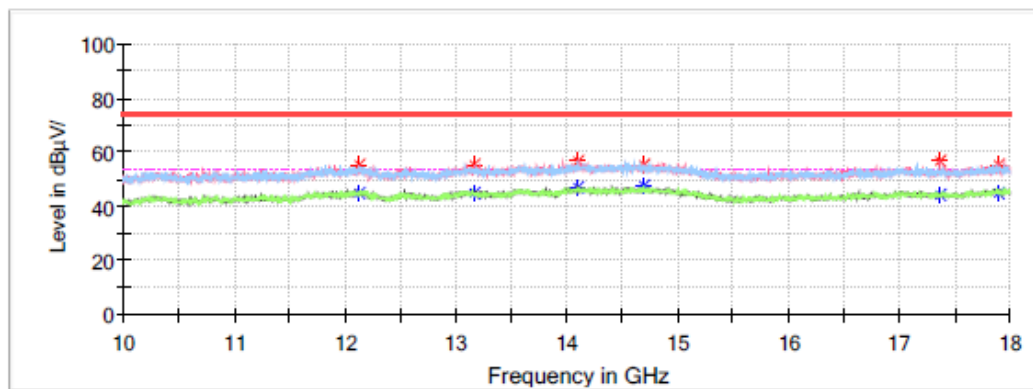
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1826.200000	---	21.08	54.00	32.92	V	-11.2
1826.200000	30.98	---	74.00	43.02	V	-11.2
3565.900000	---	29.70	54.00	24.30	V	-6.1
3565.900000	38.94	---	74.00	35.06	V	-6.1
4577.500000	---	43.08	54.00	10.92	H	-4.0
4577.500000	45.97	---	74.00	28.03	H	-4.0
7411.600000	---	41.10	54.00	12.90	V	2.7
7411.600000	50.95	---	74.00	23.05	V	2.7
8629.300000	---	42.10	54.00	11.90	V	4.7
8629.300000	52.26	---	74.00	21.74	V	4.7
9937.900000	---	45.27	54.00	8.73	H	6.2
9937.900000	50.91	---	74.00	23.09	H	6.2

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

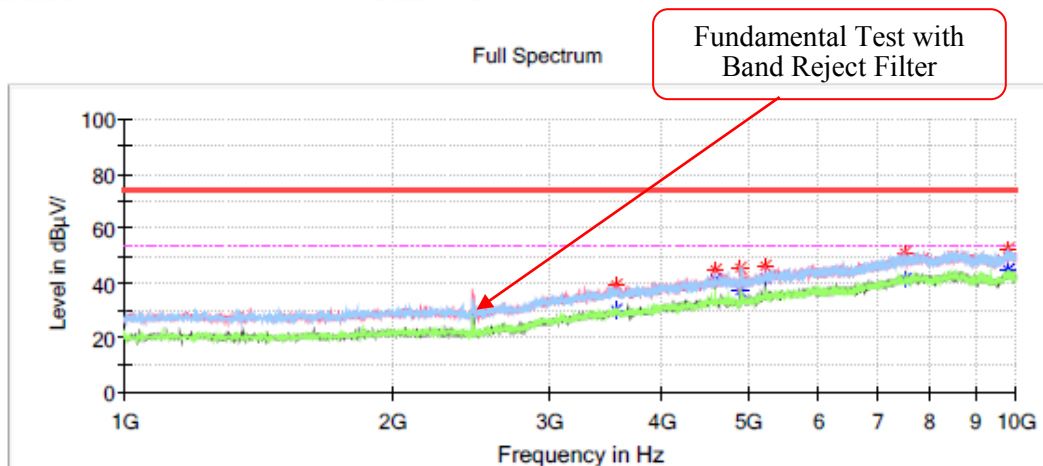


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12123.200000	---	44.61	54.00	9.39	V	9.0
12123.200000	55.31	---	74.00	18.69	V	9.0
13161.600000	---	44.77	54.00	9.23	V	9.4
13161.600000	54.99	---	74.00	19.01	V	9.4
14108.800000	---	46.92	54.00	7.08	H	11.3
14108.800000	56.60	---	74.00	17.40	H	11.3
14700.800000	---	47.55	54.00	6.45	H	11.3
14700.800000	54.91	---	74.00	19.09	H	11.3
17374.400000	---	44.28	54.00	9.72	V	10.6
17374.400000	56.29	---	74.00	17.71	V	10.6
17902.400000	---	45.00	54.00	9.00	V	11.5
17902.400000	55.52	---	74.00	18.48	V	11.5

High Channel: 2462MHz**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11g mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

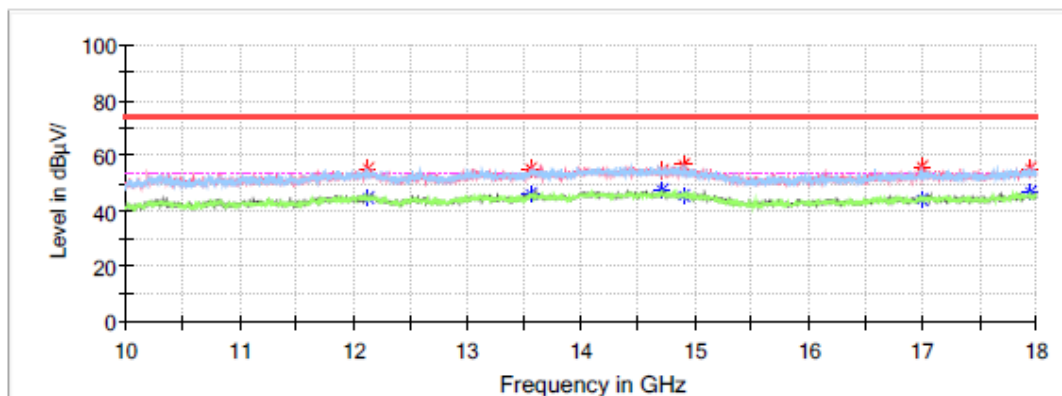
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3552.400000	---	30.29	54.00	23.71	V	-6.2
3552.400000	39.25	---	74.00	34.75	V	-6.2
4594.600000	44.93	---	74.00	29.07	V	-4.0
4594.600000	---	41.47	54.00	12.53	V	-4.0
4920.400000	---	36.86	54.00	17.14	H	-3.1
4920.400000	45.75	---	74.00	28.25	H	-3.1
5245.300000	46.29	---	74.00	27.71	V	-2.3
5245.300000	---	41.84	54.00	12.16	V	-2.3
7525.900000	---	41.45	54.00	12.55	V	3.0
7525.900000	51.30	---	74.00	22.70	V	3.0
9811.000000	52.25	---	74.00	21.75	H	5.8
9811.900000	---	45.07	54.00	8.93	H	5.8

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

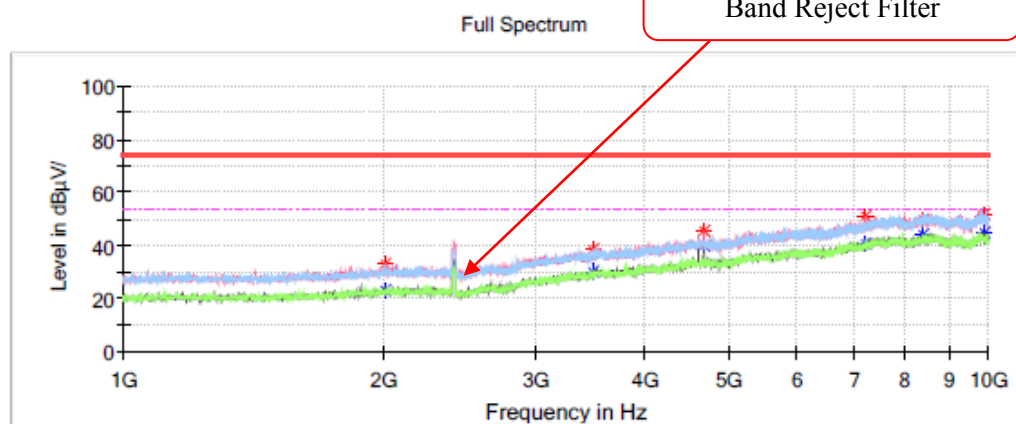


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12134.400000	---	44.78	54.00	9.22	V	9.0
12134.400000	55.31	---	74.00	18.69	V	9.0
13552.000000	---	46.39	54.00	7.61	V	10.1
13552.000000	55.23	---	74.00	18.77	V	10.1
14713.600000	---	47.35	54.00	6.65	H	11.2
14713.600000	54.68	---	74.00	19.32	H	11.2
14899.200000	---	45.71	54.00	8.29	H	10.6
14899.200000	56.45	---	74.00	17.55	H	10.6
16988.800000	56.11	---	74.00	17.89	H	10.9
16988.800000	---	44.33	54.00	9.67	H	10.9
17942.400000	---	46.57	54.00	7.43	H	11.6
17942.400000	54.99	---	74.00	19.01	H	11.6

802.11n-HT20 Mode :**Low Channel: 2412MHz****Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

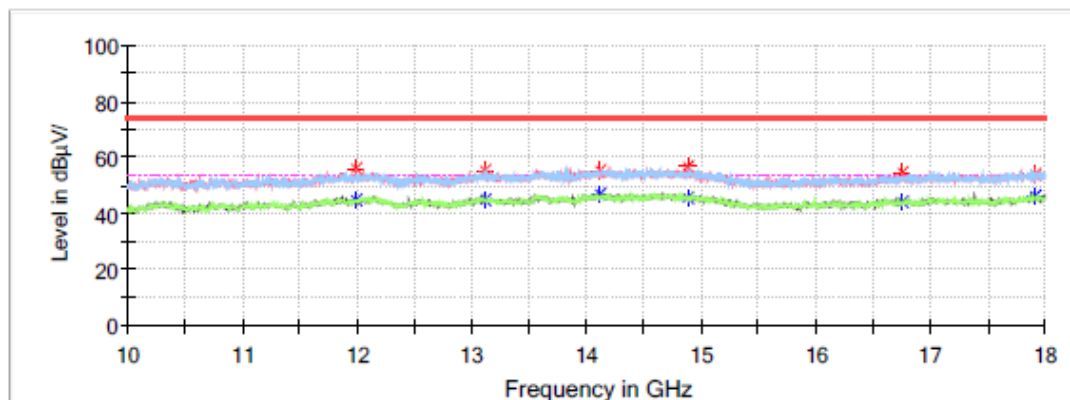
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2002.600000	---	23.23	54.00	30.77	H	-10.0
2002.600000	32.77	---	74.00	41.23	H	-10.0
3497.500000	---	29.78	54.00	24.22	H	-6.3
3497.500000	38.77	---	74.00	35.23	H	-6.3
4704.400000	---	39.90	54.00	14.10	V	-3.7
4704.400000	45.37	---	74.00	28.63	V	-3.7
7232.500000	---	40.70	54.00	13.30	V	2.2
7232.500000	50.78	---	74.00	23.22	V	2.2
8394.400000	49.38	---	74.00	24.62	H	4.4
8394.400000	---	44.34	54.00	9.66	H	4.4
9911.800000	52.00	---	74.00	22.00	V	6.1
9911.800000	---	44.68	54.00	9.32	V	6.1

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

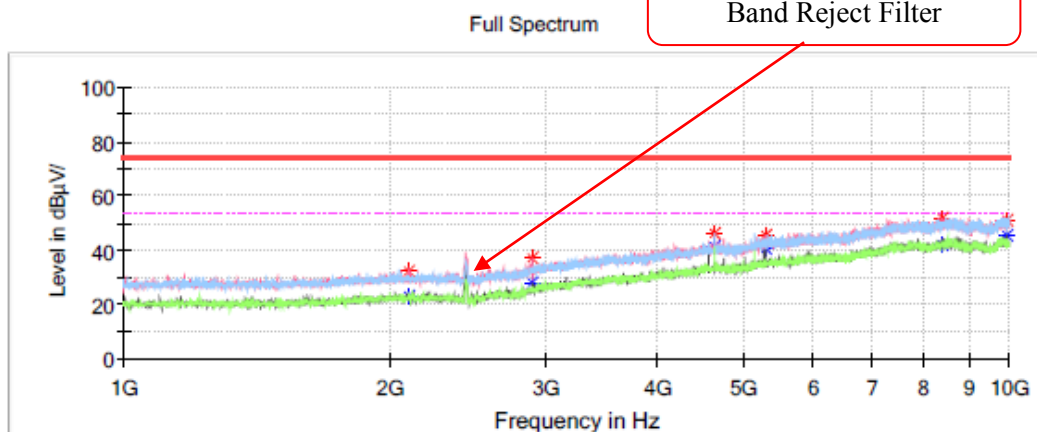


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11988.800000	---	45.03	54.00	8.97	V	9.0
11988.800000	55.64	---	74.00	18.36	V	9.0
13116.800000	---	44.68	54.00	9.32	H	9.4
13116.800000	55.32	---	74.00	18.68	H	9.4
14113.600000	55.33	---	74.00	18.67	V	11.3
14113.600000	---	47.15	54.00	6.85	V	11.3
14889.600000	56.34	---	74.00	17.66	V	10.7
14889.600000	---	45.39	54.00	8.61	V	10.7
16761.600000	---	43.77	54.00	10.23	H	10.0
16761.600000	54.41	---	74.00	19.59	H	10.0
17921.600000	54.03	---	74.00	19.97	V	11.6
17921.600000	---	46.24	54.00	7.76	V	11.6

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

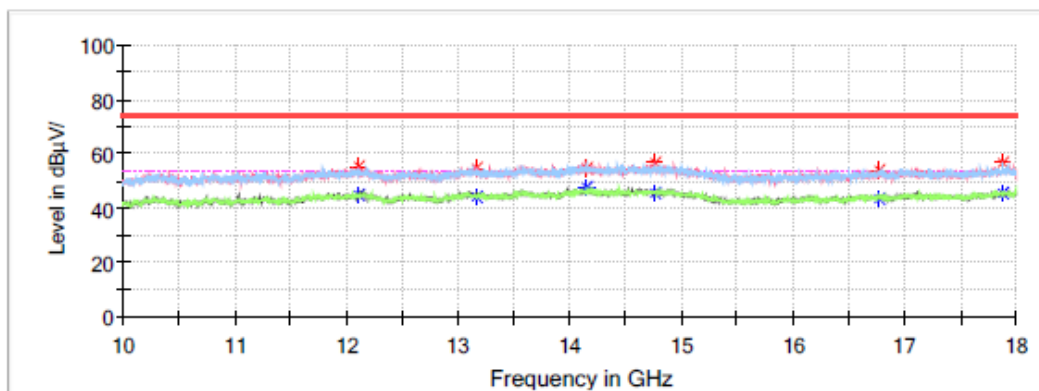
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2101.600000	---	23.32	54.00	30.68	V	-9.9
2101.600000	32.20	---	74.00	41.80	V	-9.9
2891.800000	---	27.82	54.00	26.18	V	-8.4
2891.800000	37.14	---	74.00	36.86	V	-8.4
4651.300000	---	41.51	54.00	12.49	H	-3.8
4651.300000	46.26	---	74.00	27.74	H	-3.8
5310.100000	---	40.77	54.00	13.23	V	-2.2
5310.100000	45.19	---	74.00	28.81	V	-2.2
8410.600000	---	42.13	54.00	11.87	H	4.4
8410.600000	52.06	---	74.00	21.94	H	4.4
9928.000000	51.37	---	74.00	22.63	V	6.1
9928.000000	---	45.35	54.00	8.65	V	6.1

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

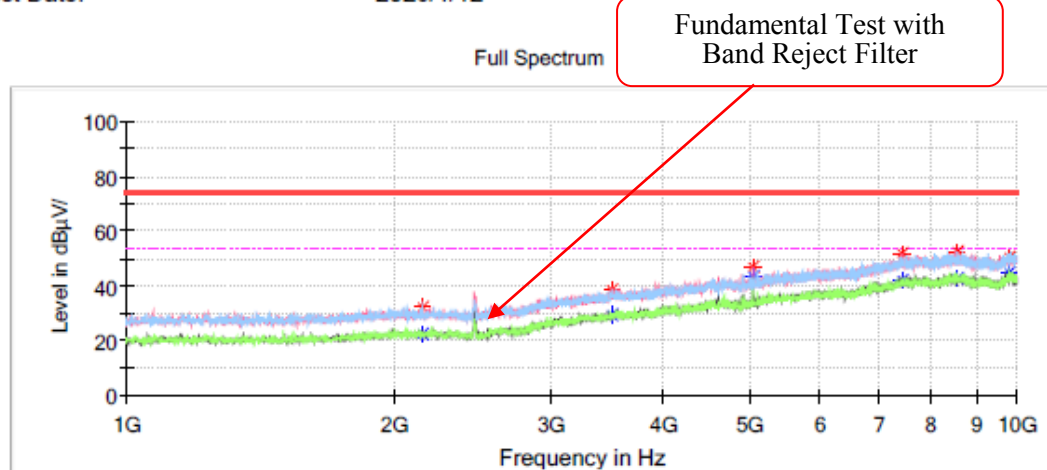


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12108.800000	---	44.62	54.00	9.38	V	9.0
12108.800000	55.17	---	74.00	18.83	V	9.0
13171.200000	---	44.20	54.00	9.80	V	9.5
13171.200000	54.66	---	74.00	19.34	V	9.5
14152.000000	54.79	---	74.00	19.21	V	11.4
14152.000000	---	47.74	54.00	6.26	V	11.4
14766.400000	---	45.68	54.00	8.32	H	11.1
14766.400000	56.40	---	74.00	17.60	H	11.1
16772.800000	---	43.54	54.00	10.46	H	10.1
16772.800000	53.97	---	74.00	20.03	H	10.1
17883.200000	56.55	---	74.00	17.45	H	11.5
17883.200000	---	45.38	54.00	8.62	H	11.5

High Channel: 2462MHz**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n20 mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

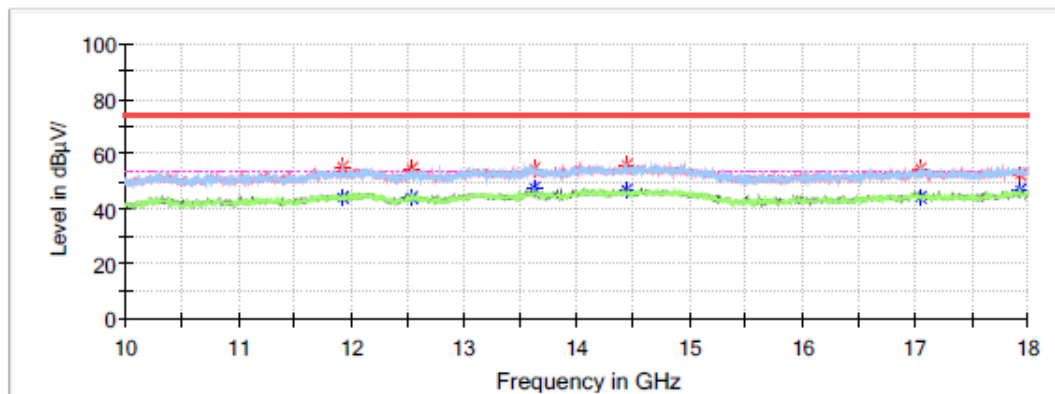
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2145.700000	---	22.54	54.00	31.46	H	-9.9
2145.700000	32.41	---	74.00	41.59	H	-9.9
3514.600000	---	29.63	54.00	24.37	V	-6.3
3514.600000	38.70	---	74.00	35.30	V	-6.3
5062.600000	---	43.56	54.00	10.44	V	-2.8
5062.600000	46.51	---	74.00	27.49	V	-2.8
7417.000000	---	41.88	54.00	12.12	V	2.7
7417.000000	51.61	---	74.00	22.39	V	2.7
8599.600000	---	42.50	54.00	11.50	H	4.7
8599.600000	52.16	---	74.00	21.84	H	4.7
9828.100000	50.41	---	74.00	23.59	H	5.8
9828.100000	---	45.06	54.00	8.94	H	5.8

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum



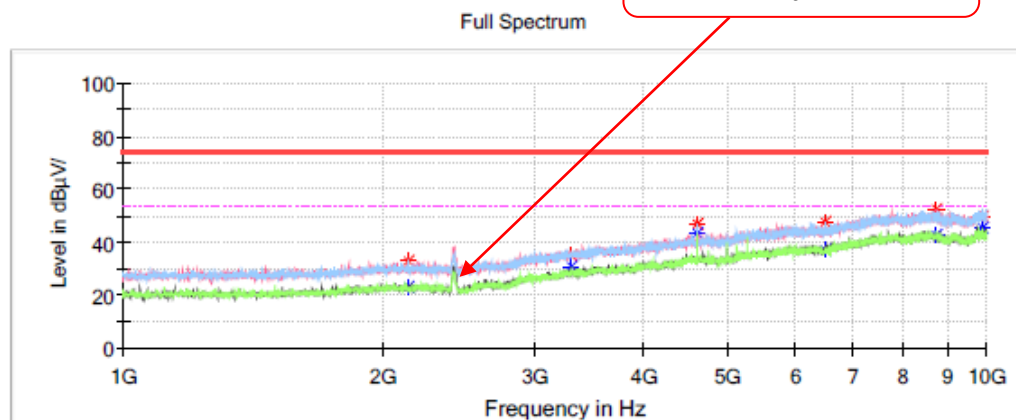
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11931.200000	---	44.32	54.00	9.68	H	8.9
11931.200000	55.28	---	74.00	18.72	H	8.9
12539.200000	---	43.80	54.00	10.20	H	8.8
12539.200000	54.57	---	74.00	19.43	H	8.8
13622.400000	54.72	---	74.00	19.28	V	10.3
13622.400000	---	47.49	54.00	6.51	V	10.3
14449.600000	56.09	---	74.00	17.91	V	11.9
14449.600000	---	46.61	54.00	7.39	V	11.9
17038.400000	---	44.30	54.00	9.70	H	10.9
17038.400000	54.78	---	74.00	19.22	H	10.9
17924.800000	52.64	---	74.00	21.36	H	11.6
17924.800000	---	46.58	54.00	7.42	H	11.6

802.11n-HT40 Mode :**Low Channel: 2422MHz****Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n40 mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Fundamental Test with
Band Reject Filter

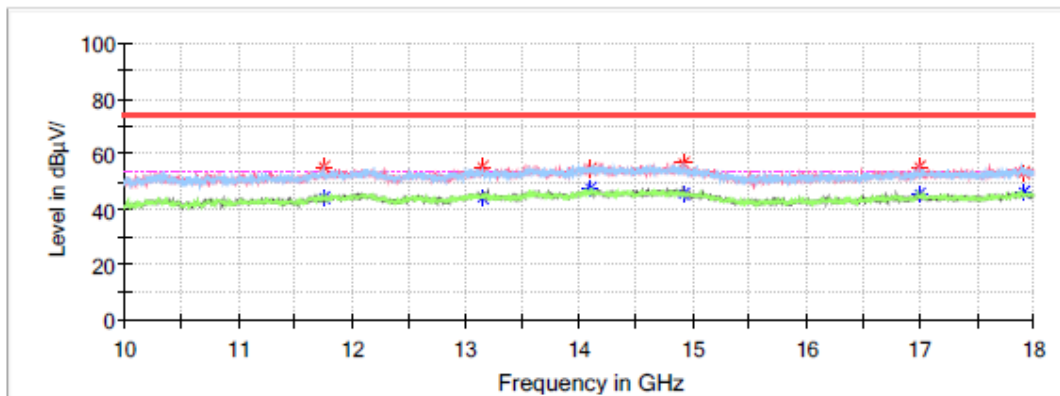
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2142.100000	---	23.37	54.00	30.63	V	-9.9
2142.100000	32.94	---	74.00	41.06	V	-9.9
3301.300000	34.83	---	74.00	39.17	V	-7.0
3301.300000	---	30.55	54.00	23.45	V	-7.0
4624.300000	---	43.66	54.00	10.34	H	-3.9
4624.300000	46.82	---	74.00	27.18	H	-3.9
6519.700000	---	37.01	54.00	16.99	H	-0.7
6519.700000	47.34	---	74.00	26.66	H	-0.7
8746.300000	---	42.67	54.00	11.33	H	4.7
8746.300000	52.77	---	74.00	21.23	H	4.7
9924.400000	---	45.28	54.00	8.72	V	6.1
9924.400000	49.83	---	74.00	24.17	V	6.1

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n40 mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

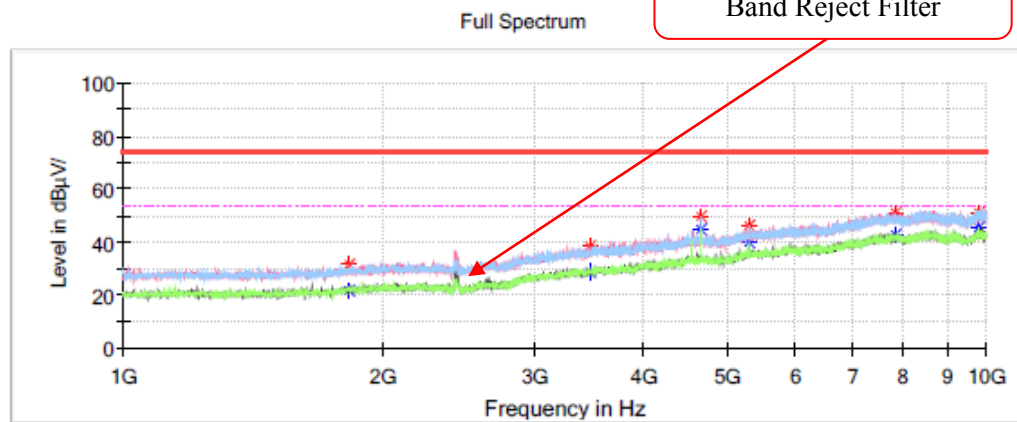


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11758.400000	55.31	---	74.00	18.69	V	8.6
11758.400000	---	44.01	54.00	9.99	V	8.6
13145.600000	55.33	---	74.00	18.67	V	9.4
13145.600000	---	44.12	54.00	9.88	V	9.4
14099.200000	---	47.24	54.00	6.76	H	11.3
14099.200000	54.50	---	74.00	19.50	H	11.3
14924.800000	---	45.29	54.00	8.71	H	10.5
14924.800000	56.76	---	74.00	17.24	H	10.5
17003.200000	55.23	---	74.00	18.77	V	11.0
17003.200000	---	45.40	54.00	8.60	V	11.0
17921.600000	53.41	---	74.00	20.59	V	11.6
17921.600000	---	45.99	54.00	8.01	V	11.6

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n40 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1°C
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

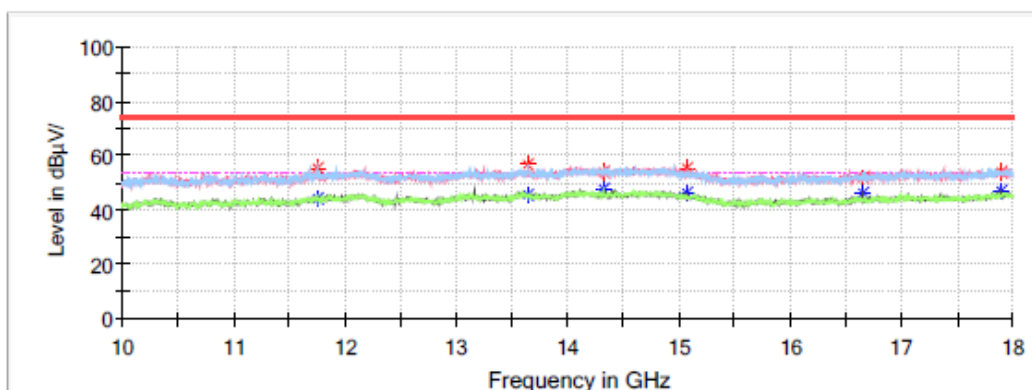
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1828.000000	---	21.53	54.00	32.47	V	-11.2
1828.000000	31.53	---	74.00	42.47	V	-11.2
3468.700000	---	28.71	54.00	25.29	V	-6.4
3468.700000	38.37	---	74.00	35.63	V	-6.4
4673.800000	49.45	---	74.00	24.55	H	-3.7
4673.800000	---	44.98	54.00	9.02	H	-3.7
5300.200000	---	39.97	54.00	14.03	H	-2.2
5300.200000	45.96	---	74.00	28.04	H	-2.2
7856.200000	---	42.73	54.00	11.27	V	3.2
7856.200000	51.34	---	74.00	22.66	V	3.2
9802.900000	50.97	---	74.00	23.03	H	5.7
9802.900000	---	45.16	54.00	8.84	H	5.7

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n40 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum

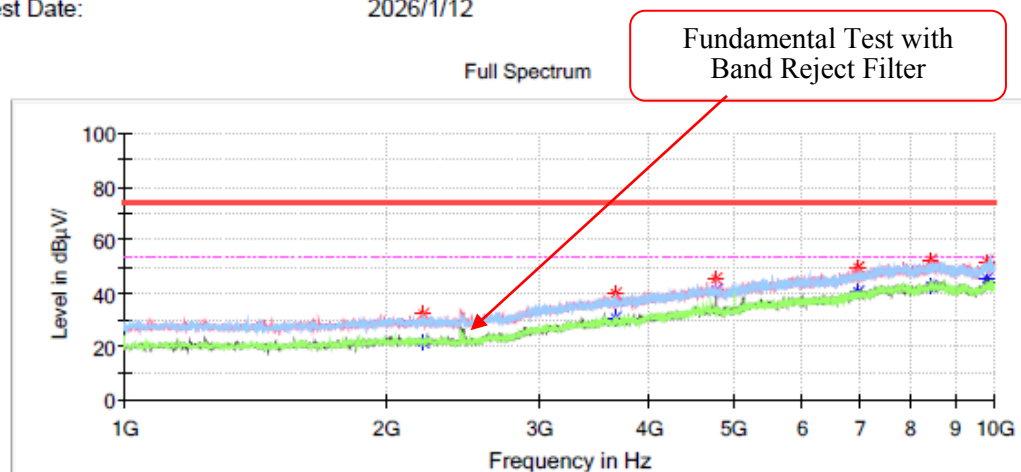


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11745.600000	55.12	---	74.00	18.88	H	8.6
11745.600000	---	44.09	54.00	9.91	H	8.6
13641.600000	56.33	---	74.00	17.67	H	10.3
13641.600000	---	45.56	54.00	8.44	H	10.3
14323.200000	53.77	---	74.00	20.23	H	11.7
14323.200000	---	47.63	54.00	6.37	H	11.7
15065.600000	---	45.89	54.00	8.11	V	10.1
15065.600000	55.29	---	74.00	18.71	V	10.1
16648.000000	---	46.13	54.00	7.87	V	9.6
16648.000000	51.79	---	74.00	22.21	V	9.6
17889.600000	---	46.59	54.00	7.41	V	11.5
17889.600000	53.88	---	74.00	20.12	V	11.5

High Channel: 2452MHz**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n40 mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1°C
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

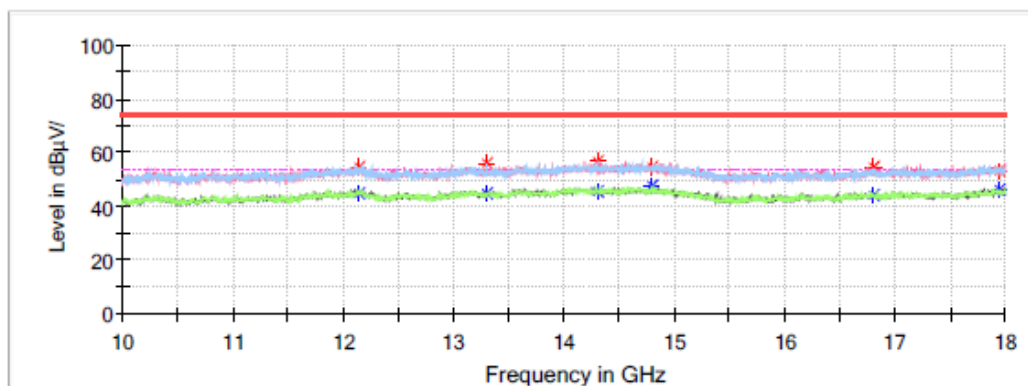
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2202.400000	---	21.79	54.00	32.21	H	-9.8
2202.400000	31.83	---	74.00	42.17	H	-9.8
3673.900000	---	30.56	54.00	23.44	H	-5.8
3673.900000	39.54	---	74.00	34.46	H	-5.8
4795.300000	---	41.60	54.00	12.40	V	-3.4
4795.300000	45.34	---	74.00	28.66	V	-3.4
6967.000000	---	40.36	54.00	13.64	V	1.3
6967.000000	49.45	---	74.00	24.55	V	1.3
8455.600000	---	42.89	54.00	11.11	V	4.6
8455.600000	52.29	---	74.00	21.71	V	4.6
9811.900000	51.50	---	74.00	22.50	V	5.8
9811.900000	---	45.34	54.00	8.66	V	5.8

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n40 mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.1℃
 Humidity: 41%
 Atmospheric Pressure: 102.5kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/12

Full Spectrum



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12144.000000	---	44.60	54.00	9.40	H	9.0
12144.000000	54.67	---	74.00	19.33	H	9.0
13308.800000	---	44.88	54.00	9.12	H	9.7
13308.800000	55.94	---	74.00	18.06	H	9.7
14304.000000	---	45.40	54.00	8.60	H	11.6
14304.000000	56.65	---	74.00	17.35	H	11.6
14796.800000	---	47.37	54.00	6.63	V	11.0
14796.800000	54.49	---	74.00	19.51	V	11.0
16808.000000	---	43.95	54.00	10.05	V	10.2
16808.000000	54.50	---	74.00	19.50	V	10.2
17952.000000	53.13	---	74.00	20.87	V	11.6
17952.000000	---	45.88	54.00	8.12	V	11.6

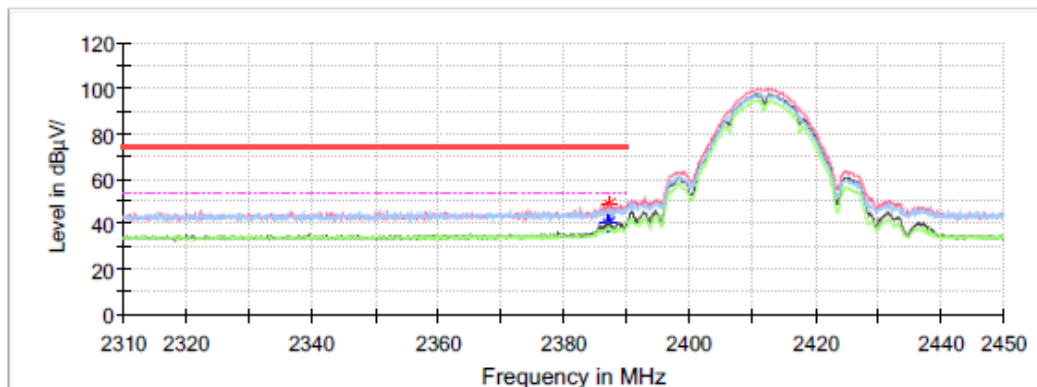
Band Edge:
802.11b Mode:

Low Channel

Common Information

Project No.:	RKSA251230001
EUT Model:	K1141
Test Mode:	2.4G WIFI 802.11b mode Low Channel
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment:	ESU40,3115,PAM-0118P
Receiver Setting:	RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature:	16.1℃
Humidity:	41%
Atmospheric Pressure:	102.5kPa
Test Engineer:	Destine Hu
Test Date:	2026/1/12

Full Spectrum



Critical Freqs

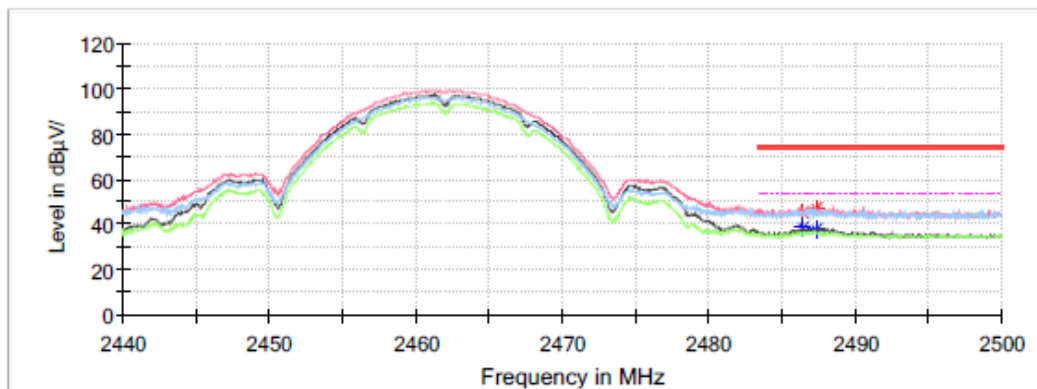
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2386.944000	46.05	---	74.00	27.95	V	0.4
2386.944000	---	40.41	54.00	13.59	V	0.4
2387.224000	49.00	---	74.00	25.00	V	0.4
2387.224000	---	40.38	54.00	13.62	V	0.4

High Channel

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11b mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

Full Spectrum



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2486.440000	45.05	---	74.00	28.95	V	0.5
2486.440000	---	38.39	54.00	15.61	V	0.5
2487.328000	47.14	---	74.00	26.86	V	0.5
2487.328000	---	37.52	54.00	16.48	V	0.5

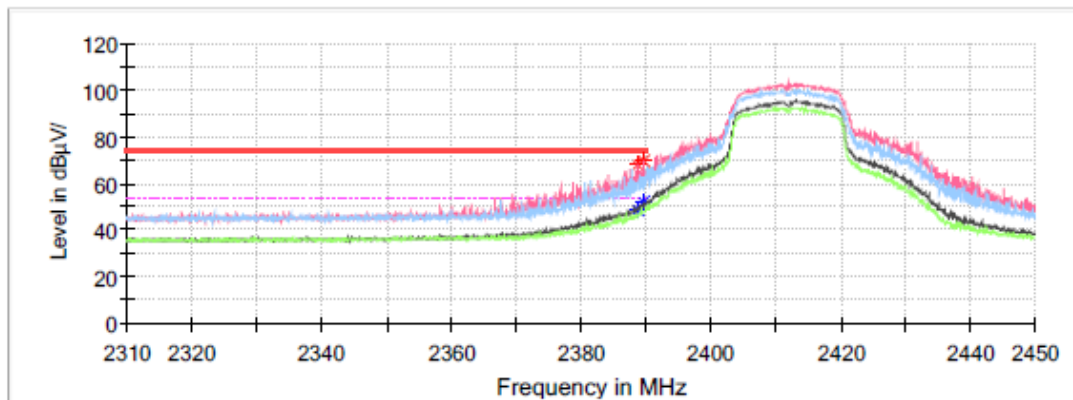
802.11g Mode :

Low Channel

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11g mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

Full Spectrum



Critical Freqs

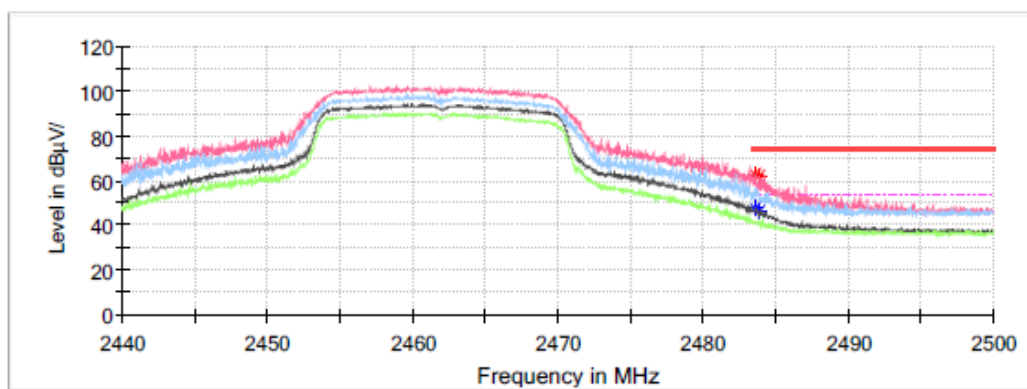
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2388.680000	---	48.94	54.00	5.06	V	0.4
2388.680000	67.66	---	74.00	6.34	V	0.4
2389.688000	---	51.62	54.00	2.38	V	0.4
2389.688000	69.90	---	74.00	4.10	V	0.4

High Channel

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11g mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1°C
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

Full Spectrum



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.584000	---	47.55	54.00	6.45	V	0.5
2483.584000	62.58	---	74.00	11.42	V	0.5
2483.824000	---	45.81	54.00	8.19	V	0.5
2483.824000	62.22	---	74.00	11.78	V	0.5

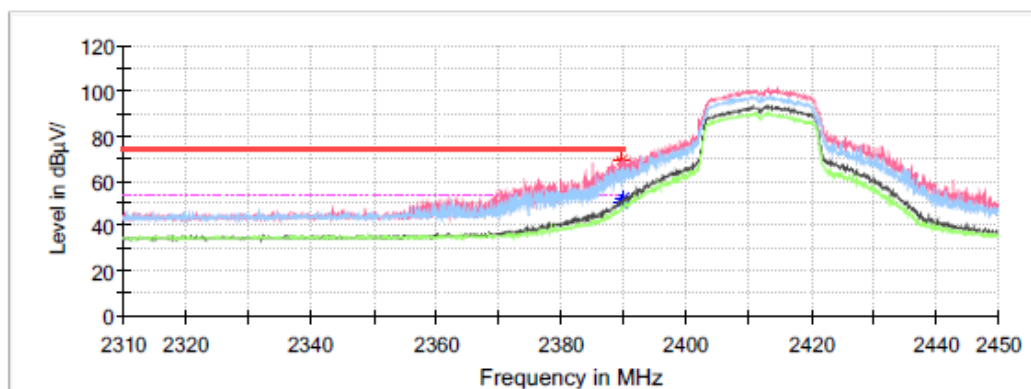
802.11n-HT20 Mode:

Low Channel

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

Full Spectrum



Critical Freqs

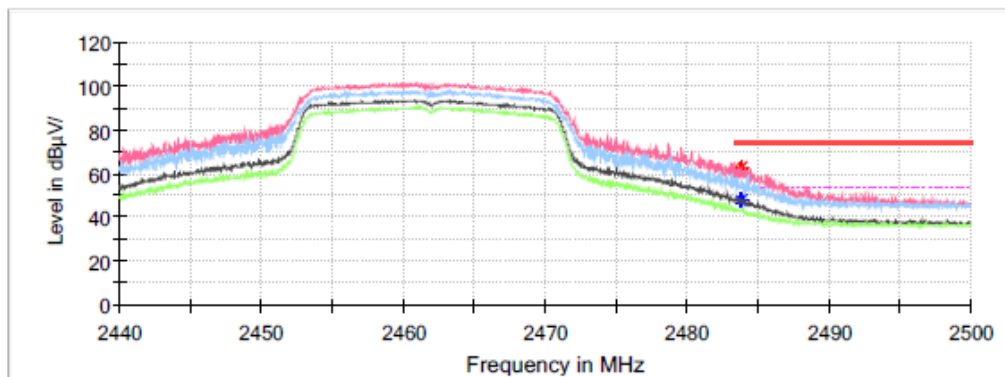
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.688000	---	50.05	54.00	3.95	V	0.4
2389.688000	69.10	---	74.00	4.90	V	0.4
2389.968000	---	51.75	54.00	2.25	V	0.4
2389.968000	64.79	---	74.00	9.21	V	0.4

High Channel

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n20 mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

Full Spectrum



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2483.656000	---	48.20	54.00	5.80	V	0.5
2483.656000	62.12	---	74.00	11.88	V	0.5
2483.800000	---	47.66	54.00	6.34	V	0.5
2483.800000	63.15	---	74.00	10.85	V	0.5

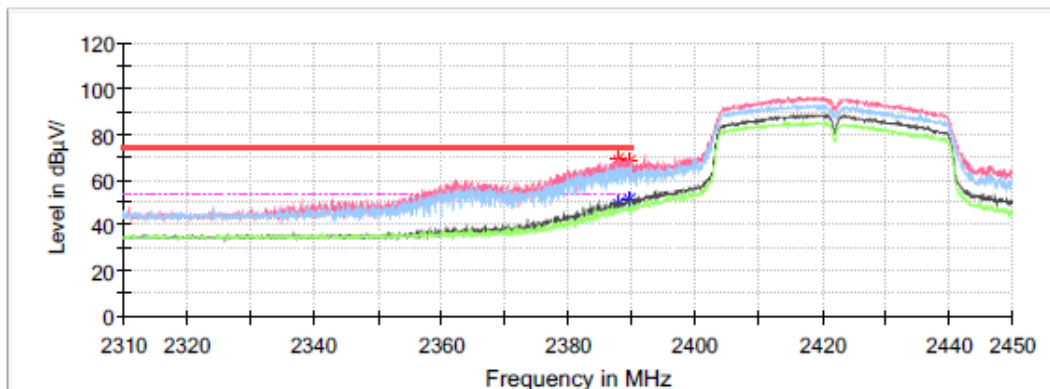
802.11n-HT40 Mode:

Low Channel

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n40 mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

Full Spectrum



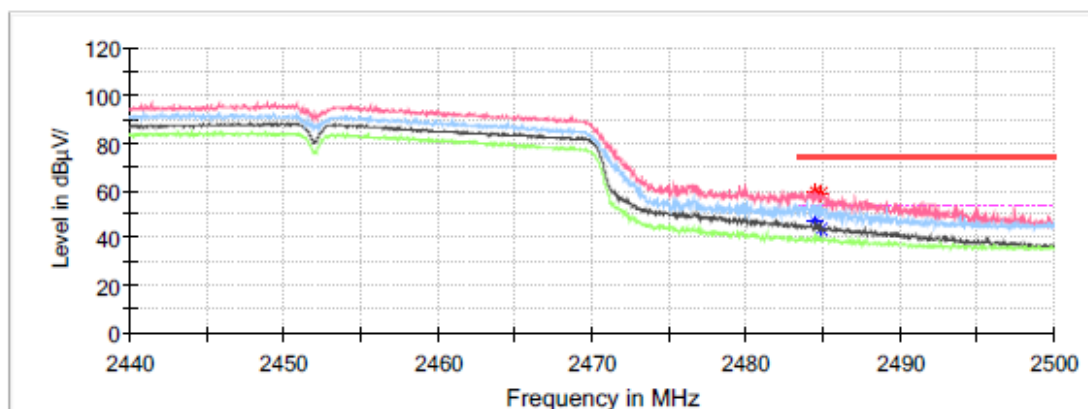
Critical Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2387.952000	---	49.84	54.00	4.16	V	0.4
2387.952000	68.60	---	74.00	5.40	V	0.4
2389.520000	---	51.23	54.00	2.77	V	0.4
2389.520000	68.31	---	74.00	5.69	V	0.4

High Channel**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n40 mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.1℃
Humidity: 41%
Atmospheric Pressure: 102.5kPa
Test Engineer: Destine Hu
Test Date: 2026/1/12

Full Spectrum

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2484.448000	---	46.64	54.00	7.36	V	0.5
2484.448000	59.51	---	74.00	14.49	V	0.5
2484.904000	---	43.54	54.00	10.46	V	0.5
2484.904000	58.66	---	74.00	15.34	V	0.5

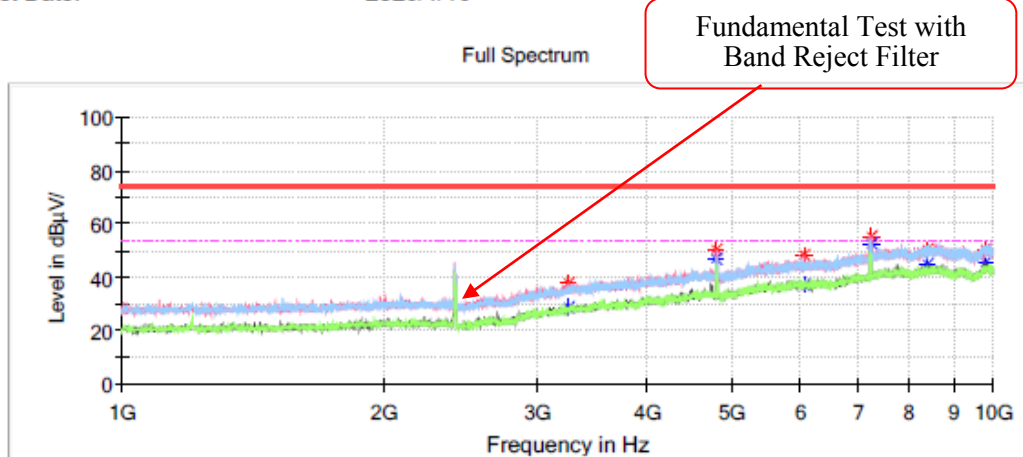
Configuration 3

802.11b Mode:

Low Channel: 2412MHz

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4°C
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16



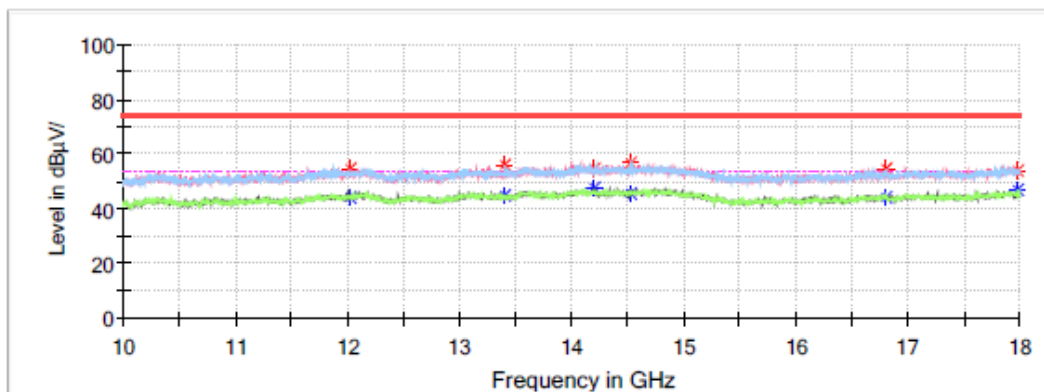
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3259.900000	---	28.93	54.00	25.07	V	-7.1
3259.900000	38.03	---	74.00	35.97	V	-7.1
4824.100000	50.03	---	74.00	23.97	V	-3.4
4824.100000	---	47.13	54.00	6.87	V	-3.4
6084.100000	---	37.28	54.00	16.72	H	-0.7
6084.100000	47.94	---	74.00	26.06	H	-0.7
7237.000000	54.96	---	74.00	19.04	V	2.2
7237.000000	---	52.38	54.00	1.62	V	2.2
8403.400000	---	45.10	54.00	8.90	V	4.4
8403.400000	50.16	---	74.00	23.84	V	4.4
9820.000000	---	45.12	54.00	8.88	V	5.8
9820.000000	50.43	---	74.00	23.57	V	5.8

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum



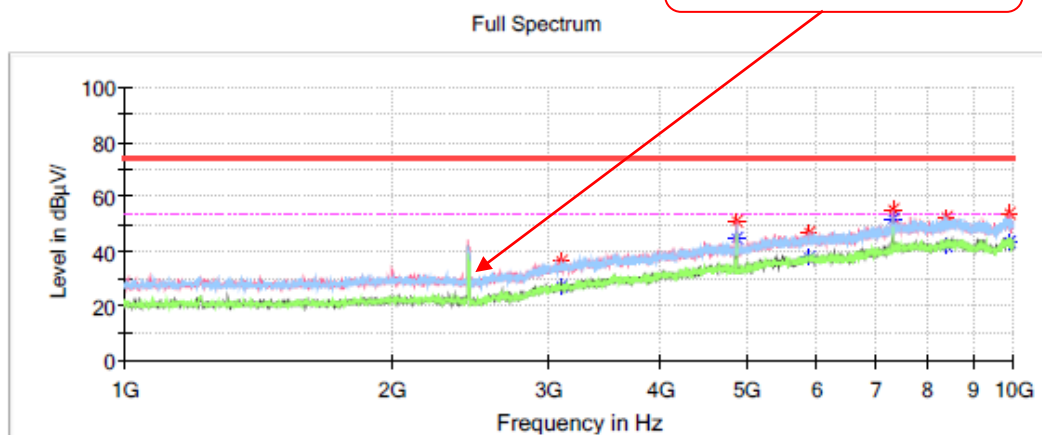
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12025.600000	---	44.35	54.00	9.65	V	9.1
12025.600000	54.81	---	74.00	19.19	V	9.1
13403.200000	---	44.58	54.00	9.42	H	9.8
13403.200000	55.67	---	74.00	18.33	H	9.8
14209.600000	54.75	---	74.00	19.25	V	11.5
14209.600000	---	47.51	54.00	6.49	V	11.5
14523.200000	56.35	---	74.00	17.65	H	11.9
14523.200000	---	45.44	54.00	8.56	H	11.9
16804.800000	---	43.85	54.00	10.15	V	10.2
16804.800000	54.50	---	74.00	19.50	V	10.2
17982.400000	53.56	---	74.00	20.44	V	11.7
17982.400000	---	46.62	54.00	7.38	V	11.7

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Fundamental Test with
Band Reject Filter

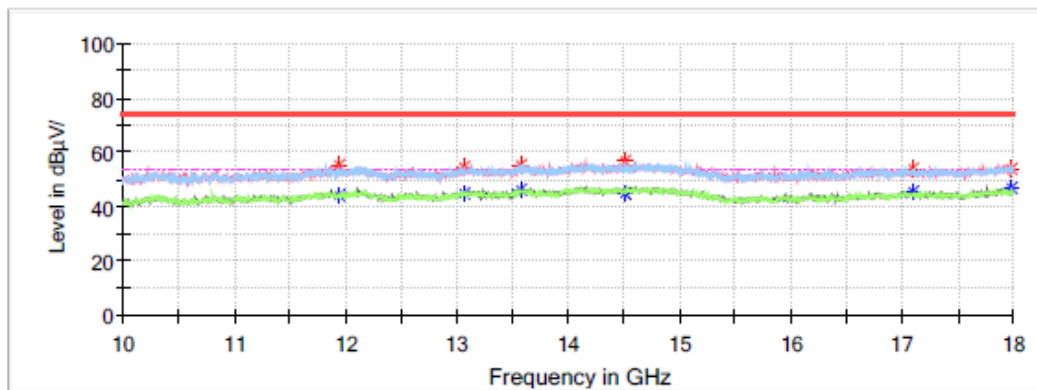
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3106.000000	---	27.03	54.00	26.97	H	-7.7
3106.000000	36.52	---	74.00	37.48	H	-7.7
4874.500000	51.12	---	74.00	22.88	V	-3.2
4874.500000	---	45.09	54.00	8.91	V	-3.2
5896.000000	47.09	---	74.00	26.91	H	-0.8
5896.000000	---	37.69	54.00	16.31	H	-0.8
7310.800000	55.27	---	74.00	18.73	V	2.4
7311.700000	---	51.93	54.00	2.07	V	2.4
8425.000000	---	42.29	54.00	11.71	H	4.5
8425.000000	52.24	---	74.00	21.76	H	4.5
9925.300000	---	43.53	54.00	10.47	V	6.1
9925.300000	53.62	---	74.00	20.38	V	6.1

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum



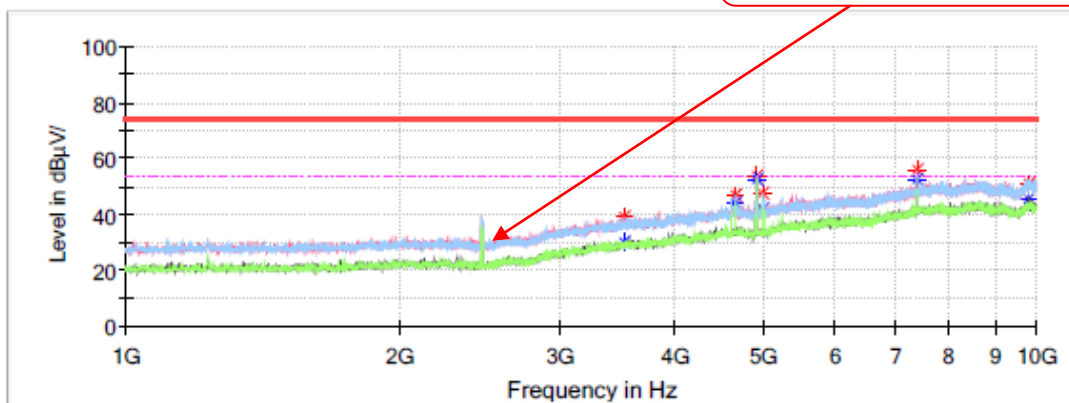
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11947.200000	---	44.06	54.00	9.94	V	9.0
11947.200000	55.43	---	74.00	18.57	V	9.0
13067.200000	---	44.82	54.00	9.18	H	9.3
13067.200000	54.67	---	74.00	19.33	H	9.3
13571.200000	---	46.35	54.00	7.65	H	10.1
13571.200000	55.28	---	74.00	18.72	H	10.1
14513.600000	---	44.92	54.00	9.08	V	11.9
14513.600000	56.73	---	74.00	17.27	V	11.9
17097.600000	---	45.13	54.00	8.87	V	10.9
17097.600000	53.96	---	74.00	20.04	V	10.9
17977.600000	53.54	---	74.00	20.46	V	11.7
17977.600000	---	46.87	54.00	7.13	V	11.7

High Channel: 2462MHz**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11b mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.4℃
Humidity: 43%
Atmospheric Pressure: 101.9kPa
Test Engineer: Destine Hu
Test Date: 2026/1/16

Full Spectrum

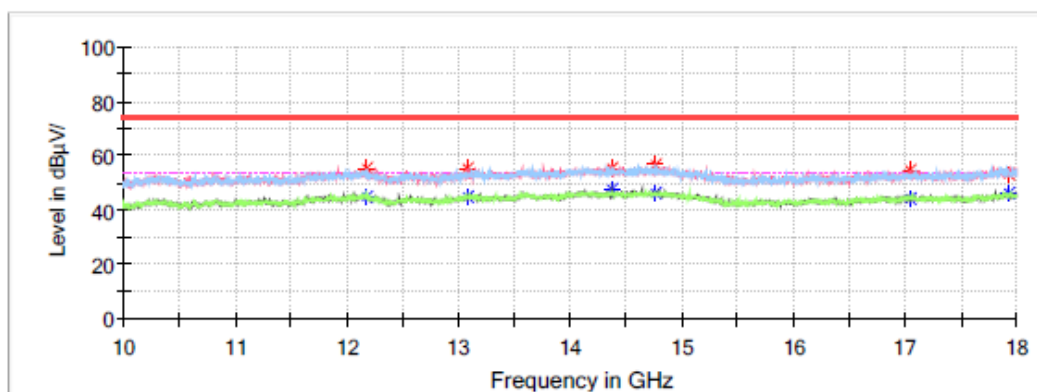
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3528.100000	---	30.30	54.00	23.70	V	-6.2
3528.100000	39.27	---	74.00	34.73	V	-6.2
4677.400000	46.76	---	74.00	27.24	H	-3.7
4677.400000	---	43.74	54.00	10.26	H	-3.7
4924.000000	---	52.24	54.00	1.76	H	-3.1
4924.000000	54.02	---	74.00	19.98	H	-3.1
5015.800000	---	41.74	54.00	12.26	H	-2.9
5015.800000	47.74	---	74.00	26.26	H	-2.9
7384.600000	---	52.19	54.00	1.81	V	2.6
7387.300000	56.12	---	74.00	17.88	V	2.6
9828.100000	---	45.50	54.00	8.50	V	5.8
9828.100000	51.12	---	74.00	22.88	V	5.8

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11b mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum

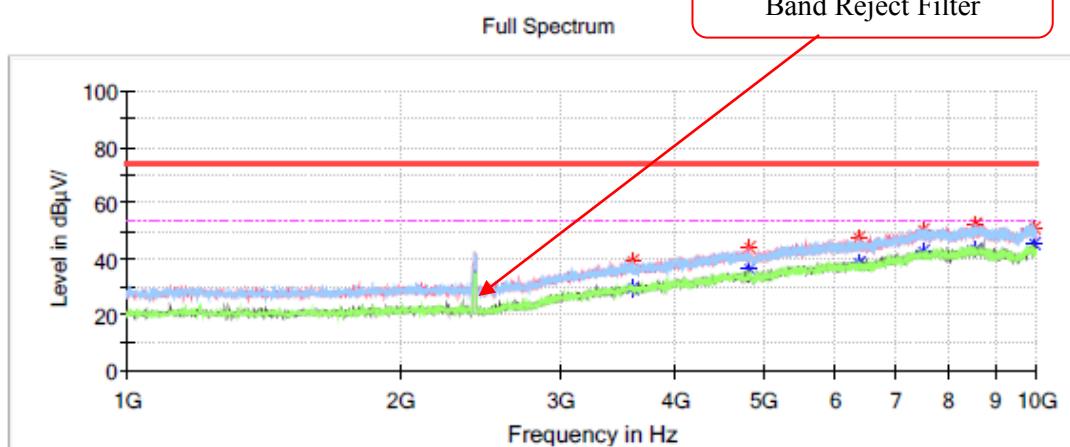


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12174.400000	---	44.99	54.00	9.01	H	9.0
12174.400000	55.03	---	74.00	18.97	H	9.0
13080.000000	---	45.02	54.00	8.98	H	9.3
13080.000000	55.17	---	74.00	18.83	H	9.3
14382.400000	55.01	---	74.00	18.99	V	11.8
14382.400000	---	47.40	54.00	6.60	V	11.8
14774.400000	56.74	---	74.00	17.26	H	11.0
14774.400000	---	45.92	54.00	8.08	H	11.0
17044.800000	---	44.38	54.00	9.62	V	10.9
17044.800000	54.82	---	74.00	19.18	V	10.9
17932.800000	53.31	---	74.00	20.69	V	11.6
17932.800000	---	46.42	54.00	7.58	V	11.6

802.11g Mode:**Low Channel: 2412MHz****Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11g mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.4℃
Humidity: 43%
Atmospheric Pressure: 101.9kPa
Test Engineer: Destine Hu
Test Date: 2026/1/16

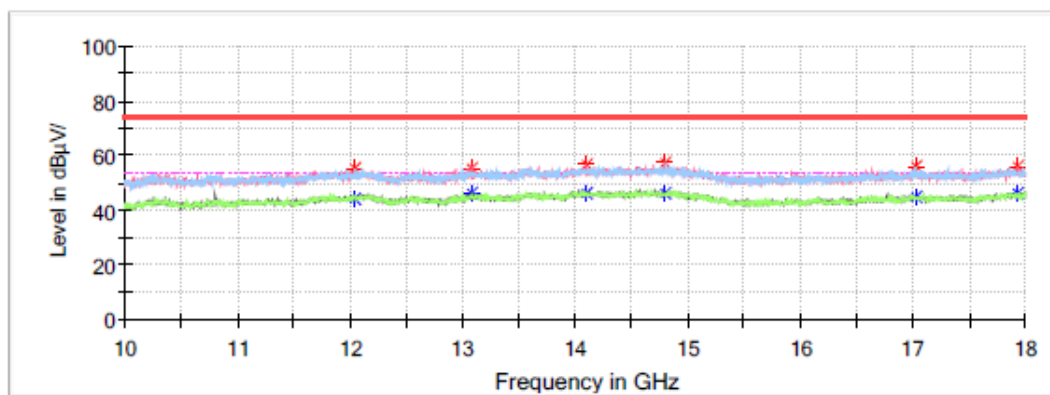
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3604.600000	---	29.25	54.00	24.75	V	-6.0
3604.600000	39.37	---	74.00	34.63	V	-6.0
4827.700000	43.90	---	74.00	30.10	V	-3.3
4829.500000	---	36.54	54.00	17.46	V	-3.3
6366.700000	---	38.16	54.00	15.84	H	-0.8
6366.700000	47.34	---	74.00	26.66	H	-0.8
7503.400000	---	42.98	54.00	11.02	H	3.0
7503.400000	50.69	---	74.00	23.31	H	3.0
8589.700000	---	43.37	54.00	10.63	V	4.7
8589.700000	52.57	---	74.00	21.43	V	4.7
9947.800000	---	45.11	54.00	8.89	V	6.2
9947.800000	50.94	---	74.00	23.06	V	6.2

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum

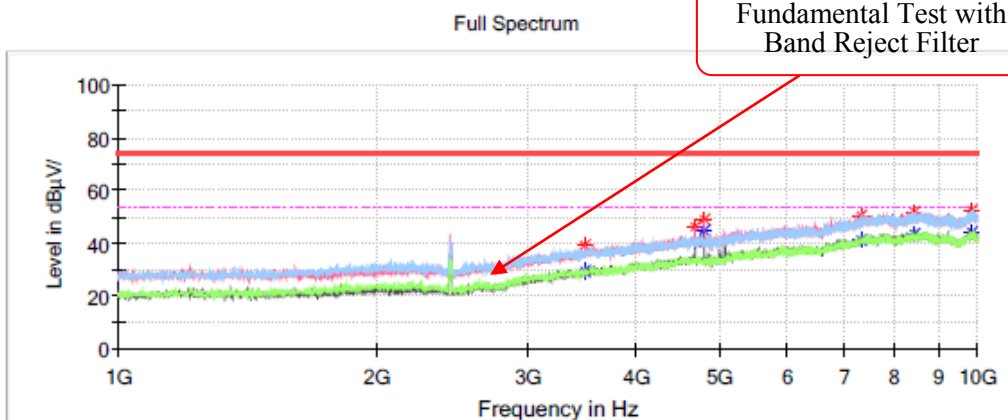


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12043.200000	---	44.37	54.00	9.63	H	9.0
12043.200000	54.97	---	74.00	19.03	H	9.0
13088.000000	---	46.05	54.00	7.95	V	9.3
13088.000000	55.01	---	74.00	18.99	V	9.3
14100.800000	56.60	---	74.00	17.40	V	11.3
14100.800000	---	46.11	54.00	7.89	V	11.3
14806.400000	---	46.15	54.00	7.85	H	10.9
14806.400000	57.33	---	74.00	16.67	H	10.9
17027.200000	56.15	---	74.00	17.85	H	10.9
17027.200000	---	45.00	54.00	9.00	H	10.9
17928.000000	55.69	---	74.00	18.31	V	11.6
17928.000000	---	45.84	54.00	8.16	V	11.6

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11g mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.4℃
Humidity: 43%
Atmospheric Pressure: 101.9kPa
Test Engineer: Destine Hu
Test Date: 2026/1/16

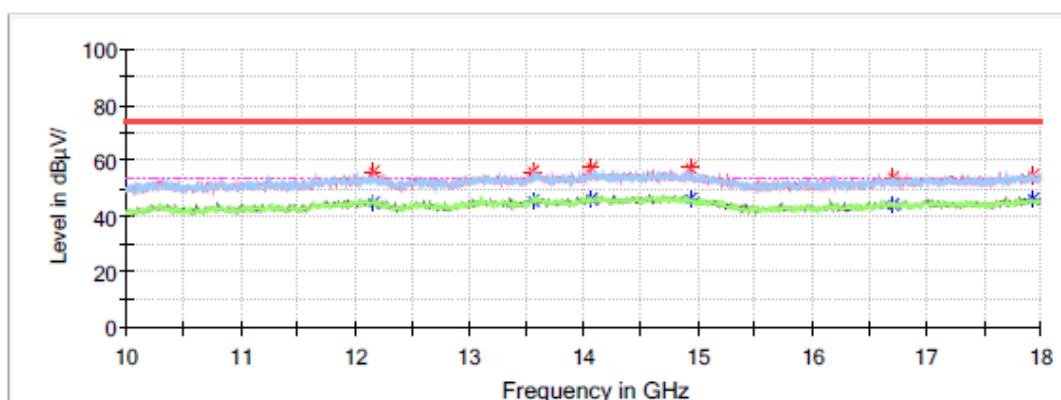
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3495.700000	38.92	---	74.00	35.08	V	-6.3
3495.700000	---	29.35	54.00	24.65	V	-6.3
4698.100000	---	40.87	54.00	13.13	V	-3.7
4698.100000	46.03	---	74.00	27.97	V	-3.7
4805.200000	48.74	---	74.00	25.26	V	-3.4
4805.200000	---	45.07	54.00	8.93	V	-3.4
7309.900000	50.46	---	74.00	23.54	H	2.4
7309.900000	---	41.08	54.00	12.92	H	2.4
8450.200000	---	43.46	54.00	10.54	H	4.5
8450.200000	51.73	---	74.00	22.27	H	4.5
9843.400000	52.43	---	74.00	21.57	H	5.9
9843.400000	---	44.19	54.00	9.81	H	5.9

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum

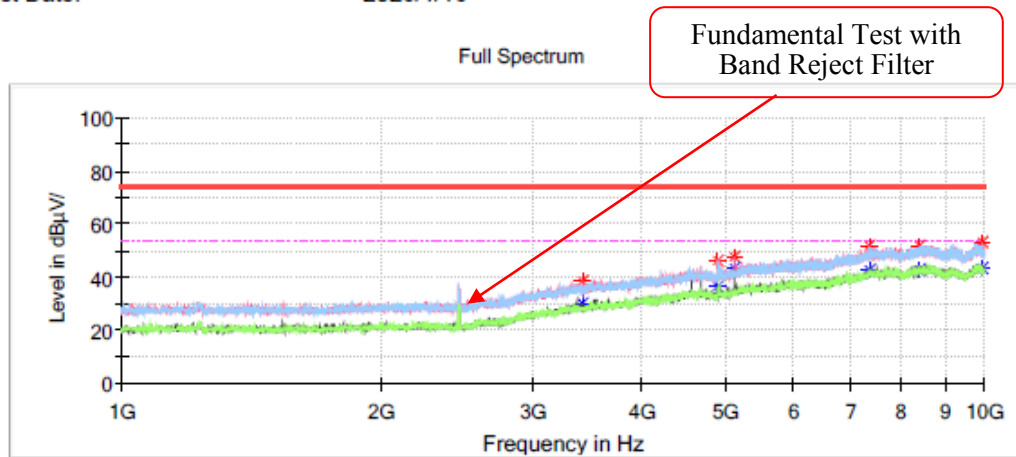


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12153.600000	---	44.71	54.00	9.29	H	9.0
12153.600000	56.19	---	74.00	17.81	H	9.0
13558.400000	---	45.53	54.00	8.47	V	10.1
13558.400000	56.08	---	74.00	17.92	V	10.1
14064.000000	---	46.17	54.00	7.83	V	11.2
14064.000000	57.02	---	74.00	16.98	V	11.2
14939.200000	---	46.24	54.00	7.76	V	10.5
14939.200000	57.20	---	74.00	16.80	V	10.5
16700.800000	---	44.00	54.00	10.00	H	9.8
16700.800000	54.16	---	74.00	19.84	H	9.8
17934.400000	54.72	---	74.00	19.28	H	11.6
17934.400000	---	46.23	54.00	7.77	H	11.6

High Channel: 2462MHz**Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4°C
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

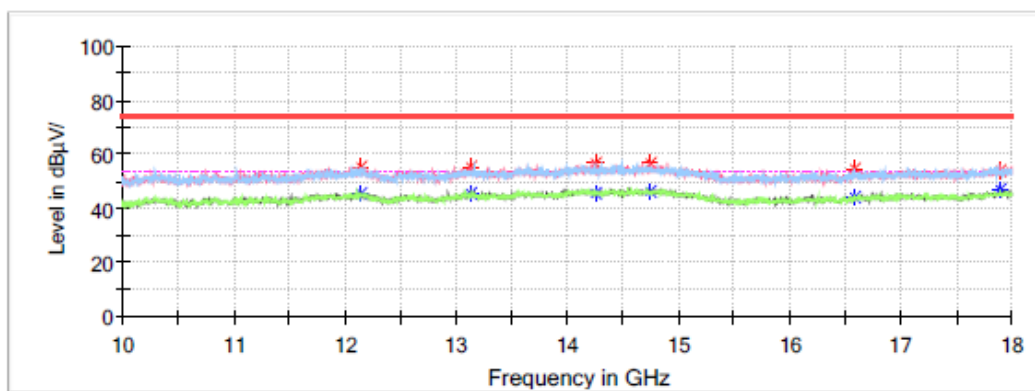
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3419.200000	---	29.74	54.00	24.26	V	-6.6
3419.200000	38.62	---	74.00	35.38	V	-6.6
4920.400000	---	36.49	54.00	17.51	H	-3.1
4920.400000	46.07	---	74.00	27.93	H	-3.1
5140.900000	---	43.40	54.00	10.60	H	-2.6
5140.900000	47.23	---	74.00	26.77	H	-2.6
7372.000000	---	42.49	54.00	11.51	V	2.6
7372.000000	51.51	---	74.00	22.49	V	2.6
8429.500000	---	42.57	54.00	11.43	V	4.5
8429.500000	52.02	---	74.00	21.98	V	4.5
9945.100000	---	43.39	54.00	10.61	V	6.2
9945.100000	53.12	---	74.00	20.88	V	6.2

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11g mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum



Critical Freqs

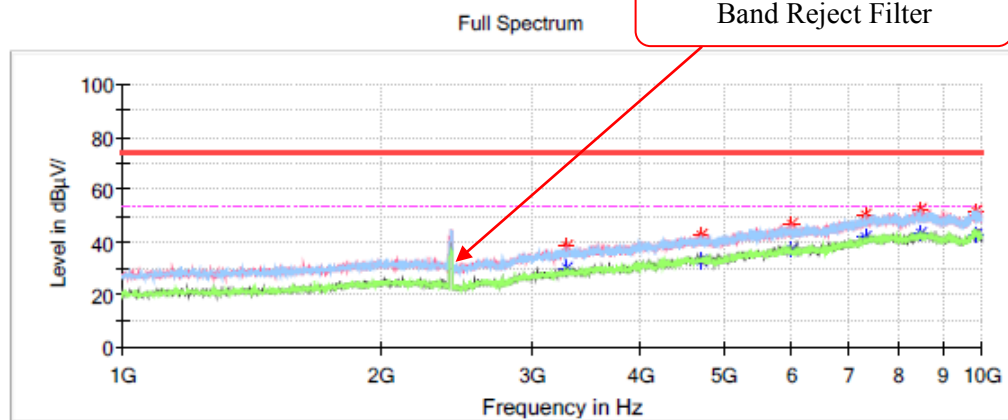
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12140.800000	---	45.27	54.00	8.73	H	9.0
12140.800000	55.53	---	74.00	18.47	H	9.0
13131.200000	---	45.19	54.00	8.81	H	9.4
13131.200000	55.00	---	74.00	19.00	H	9.4
14257.600000	---	45.65	54.00	8.35	H	11.5
14257.600000	56.54	---	74.00	17.46	H	11.5
14750.400000	---	46.44	54.00	7.56	V	11.1
14750.400000	56.77	---	74.00	17.23	V	11.1
16579.200000	---	43.79	54.00	10.21	H	9.3
16579.200000	54.67	---	74.00	19.33	H	9.3
17900.800000	53.99	---	74.00	20.01	H	11.5
17900.800000	---	46.92	54.00	7.08	H	11.5

802.11n-HT20 Mode :

Low Channel: 2412MHz

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.4℃
Humidity: 43%
Atmospheric Pressure: 101.9kPa
Test Engineer: Destine Hu
Test Date: 2026/1/16



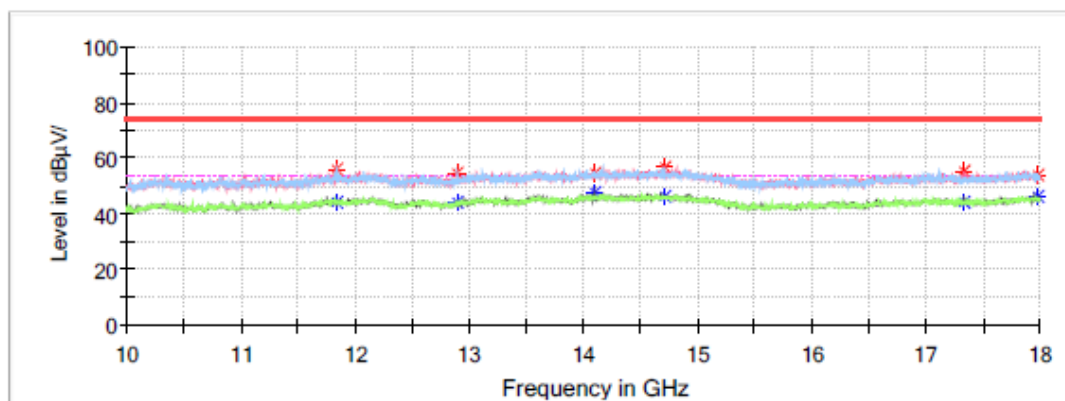
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3294.100000	---	30.00	54.00	24.00	V	-7.0
3294.100000	38.42	---	74.00	35.58	V	-7.0
4724.200000	---	32.88	54.00	21.12	H	-3.6
4724.200000	42.47	---	74.00	31.53	H	-3.6
6024.700000	---	37.17	54.00	16.83	V	-0.6
6024.700000	46.99	---	74.00	27.01	V	-0.6
7309.000000	---	41.73	54.00	12.27	H	2.4
7309.000000	50.01	---	74.00	23.99	H	2.4
8498.800000	---	43.03	54.00	10.97	H	4.7
8498.800000	52.61	---	74.00	21.39	H	4.7
9848.800000	---	42.62	54.00	11.38	V	5.9
9848.800000	51.90	---	74.00	22.10	V	5.9

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode Low Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum

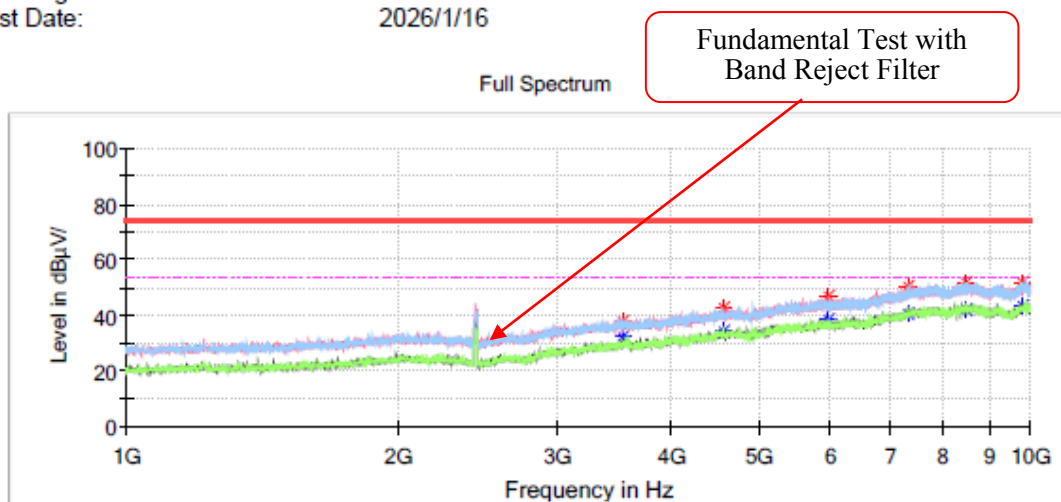


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11846.400000	---	43.94	54.00	10.06	H	8.8
11846.400000	56.07	---	74.00	17.93	H	8.8
12900.800000	---	43.81	54.00	10.19	H	9.1
12900.800000	54.71	---	74.00	19.29	H	9.1
14094.400000	---	47.29	54.00	6.71	V	11.3
14094.400000	54.63	---	74.00	19.37	V	11.3
14710.400000	---	46.32	54.00	7.68	H	11.3
14710.400000	56.33	---	74.00	17.67	H	11.3
17337.600000	---	44.17	54.00	9.83	V	10.6
17337.600000	54.98	---	74.00	19.02	V	10.6
17980.800000	53.82	---	74.00	20.18	V	11.7
17980.800000	---	46.04	54.00	7.96	V	11.7

Middle Channel: 2437MHz**Common Information**

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

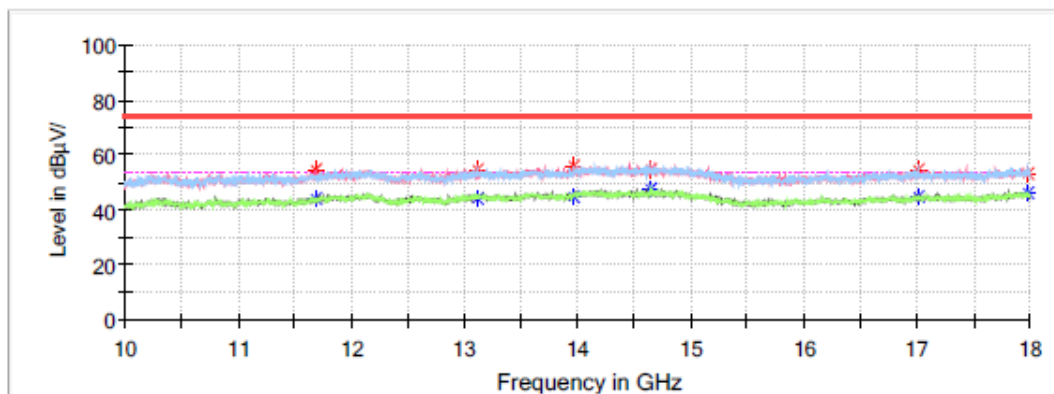
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3548.800000	37.50	---	74.00	36.50	V	-6.2
3548.800000	---	32.28	54.00	21.72	V	-6.2
4576.600000	---	34.06	54.00	19.94	V	-4.0
4576.600000	42.35	---	74.00	31.65	V	-4.0
5981.500000	---	38.66	54.00	15.34	H	-0.7
5981.500000	46.63	---	74.00	27.37	H	-0.7
7319.800000	---	40.82	54.00	13.18	H	2.4
7319.800000	50.33	---	74.00	23.67	H	2.4
8483.500000	---	42.13	54.00	11.87	H	4.6
8483.500000	51.86	---	74.00	22.14	H	4.6
9815.500000	---	43.30	54.00	10.70	V	5.8
9815.500000	51.96	---	74.00	22.04	V	5.8

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode Middle Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum

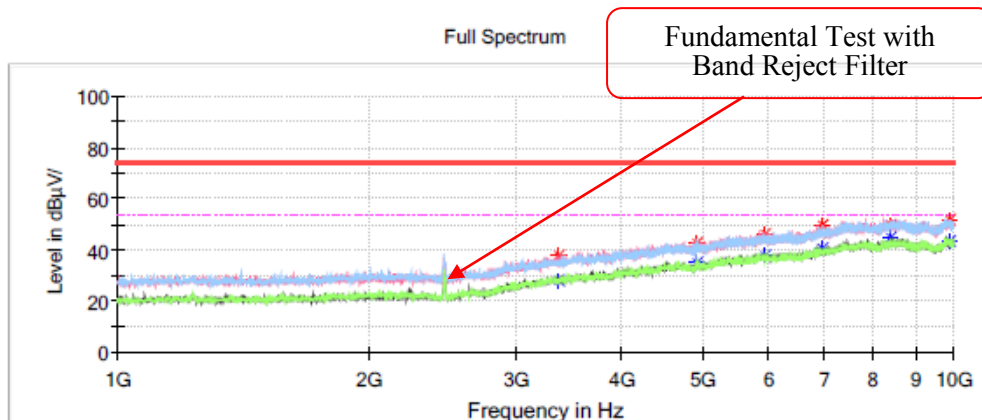


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11689.600000	---	43.97	54.00	10.03	V	8.5
11689.600000	54.45	---	74.00	19.55	V	8.5
13112.000000	---	44.40	54.00	9.60	V	9.4
13112.000000	54.67	---	74.00	19.33	V	9.4
13960.000000	---	45.04	54.00	8.96	H	11.0
13960.000000	56.20	---	74.00	17.80	H	11.0
14638.400000	54.63	---	74.00	19.37	H	11.5
14638.400000	---	47.74	54.00	6.26	H	11.5
17004.800000	---	44.52	54.00	9.48	H	11.0
17004.800000	54.54	---	74.00	19.46	H	11.0
17980.800000	53.19	---	74.00	20.81	H	11.7
17980.800000	---	46.23	54.00	7.77	H	11.7

High Channel: 2462MHz**Common Information**

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n20 mode High Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.4℃
Humidity: 43%
Atmospheric Pressure: 101.9kPa
Test Engineer: Destine Hu
Test Date: 2026/1/16

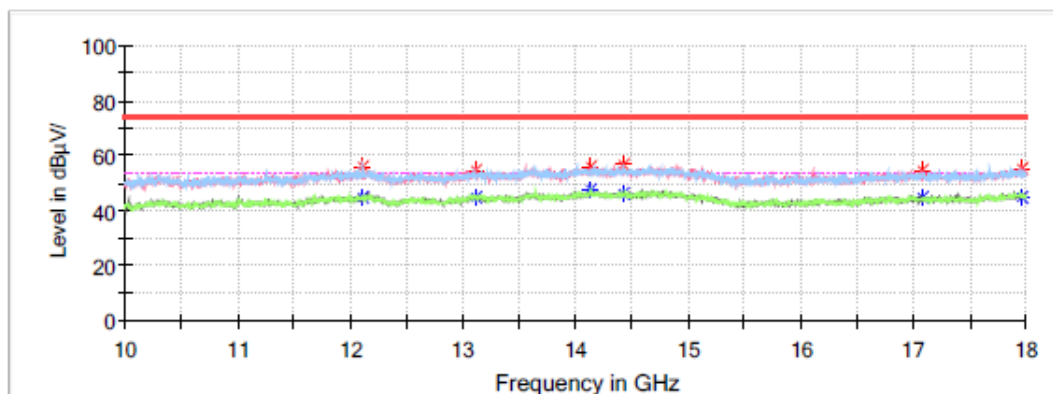
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3366.100000	37.62	---	74.00	36.38	V	-6.8
3366.100000	---	28.16	54.00	25.84	V	-6.8
4924.900000	42.97	---	74.00	31.03	V	-3.1
4924.900000	---	34.82	54.00	19.18	V	-3.1
5966.200000	---	37.52	54.00	16.48	V	-0.7
5966.200000	46.32	---	74.00	27.68	V	-0.7
6970.600000	---	40.30	54.00	13.70	H	1.4
6970.600000	49.61	---	74.00	24.39	H	1.4
8414.200000	---	44.78	54.00	9.22	H	4.4
8414.200000	49.82	---	74.00	24.18	H	4.4
9919.000000	51.92	---	74.00	22.08	H	6.1
9919.000000	---	43.22	54.00	10.78	H	6.1

Common Information

Project No.: RKSA251230001
 EUT Model: K1141
 Test Mode: 2.4G WIFI 802.11n20 mode High Channel
 Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
 Test Equipment: ESU40,3115,PAM-0118P
 Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
 Temperature: 16.4℃
 Humidity: 43%
 Atmospheric Pressure: 101.9kPa
 Test Engineer: Destine Hu
 Test Date: 2026/1/16

Full Spectrum



Critical Freqs

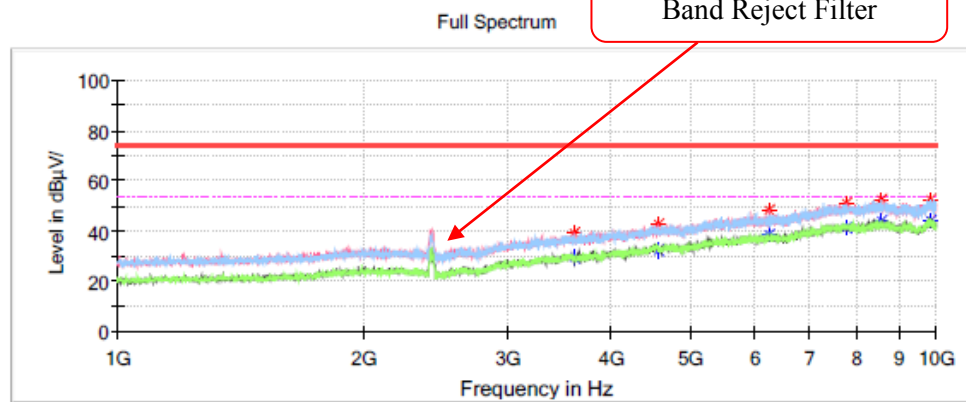
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12118.400000	55.63	---	74.00	18.37	H	9.0
12118.400000	---	45.02	54.00	8.98	H	9.0
13107.200000	---	44.48	54.00	9.52	V	9.4
13107.200000	54.89	---	74.00	19.11	V	9.4
14132.800000	---	47.42	54.00	6.58	V	11.3
14132.800000	56.22	---	74.00	17.78	V	11.3
14424.000000	56.89	---	74.00	17.11	H	11.8
14424.000000	---	46.14	54.00	7.86	H	11.8
17076.800000	---	44.68	54.00	9.32	V	10.9
17076.800000	54.79	---	74.00	19.21	V	10.9
17974.400000	---	44.82	54.00	9.18	V	11.7
17974.400000	55.25	---	74.00	18.75	V	11.7

802.11n-HT40 Mode :

Low Channel: 2422MHz

Common Information

Project No.: RKSA251230001
EUT Model: K1141
Test Mode: 2.4G WIFI 802.11n40 mode Low Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 16.4℃
Humidity: 43%
Atmospheric Pressure: 101.9kPa
Test Engineer: Destine Hu
Test Date: 2026/1/16



Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
3614.500000	---	29.46	54.00	24.54	V	-6.0
3614.500000	39.27	---	74.00	34.73	V	-6.0
4585.600000	---	32.30	54.00	21.70	V	-4.0
4585.600000	42.63	---	74.00	31.37	V	-4.0
6265.000000	---	38.66	54.00	15.34	V	-0.7
6265.000000	48.06	---	74.00	25.94	V	-0.7
7787.800000	---	41.12	54.00	12.88	V	3.1
7787.800000	51.29	---	74.00	22.71	V	3.1
8591.500000	---	44.29	54.00	9.71	H	4.7
8591.500000	52.16	---	74.00	21.84	H	4.7
9836.200000	---	44.30	54.00	9.70	H	5.8
9836.200000	52.68	---	74.00	21.32	H	5.8