

FCC PART 15.247

TEST REPORT

For

ALLRA LIMITED

WORKSHOP D22 8/F WAH FUNG IND CTR 33-39 KWAI FUNG CRESCENT STAGE 1
KWAI CHUNG NT, CHINA

FCC ID: 2BXLK-XICWB06

Report Type: Original Report	Product Name: Controller
Report Number: RKSB260714008-00B	
Report Date: 2026-10-16	
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Approved By:	Kyle Xu
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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSB260714008-00B	R1V1	2026-10-16	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	ALLRA LIMITED
Tested Model:	OPCBXICWB06
Series Model:	OPCBXICWB05, OPCBXICWB02
Model Difference:	Buck circuit, output cable lengths (see the declaration letter for the details)
Product Name:	Controller
Power Supply:	OPCBXICWB06, OPCBXICWB02: DC 36V OPCBXICWB05: DC 5V
RF Function:	2.4G Wi-Fi, BLE
Operating Band/Frequency:	2.4G Wi-Fi: 2412~2462 MHz(802.11b/g/n20/ax20), 2422~2452 MHz(802.11n40) BLE (1 Mbps): 2402-2480 MHz
Maximum Peak Output Power:	2.4G Wi-Fi: 802.11b: 23.478 dBm 802.11g: 22.615 dBm 802.11n20: 21.994 dBm 802.11n40: 20.683 dBm 802.11ax20: 22.691 dBm BLE: BLE (1 Mbps): -0.80 dBm
Channel Number:	2.4G Wi-Fi: 11 (802.11b/g/n20/ax20) 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, OFDMA BLE: GFSK
★Maximum Antenna Gain:	1.7 dBi

All measurement and tested data in this report was gathered from production sample serial number: RKS260714008-1(OPCBXICWB06), RKS260714008-2(OPCBXICWB05), RKS260714008-3(OPCBXICWB02) (Assigned by BACL (Kunshan). The EUT supplied by the applicant was received on 2026-07-14.)

Based on the differences between models OPCBXICWB06, OPCBXICWB05, and OPCBXICWB02, we measured all items for model OPCBXICWB06, while model OPCBXICWB05 was only tested for AC Line Conducted Emissions, Spurious Emissions (Below 1 GHz), model OPCBXICWB02 was only tested for Spurious Emissions (Below 1 GHz).

Objective

This report is prepared for *ALLRA LIMITED* 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+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024[▲], 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

The system was configured for testing in an engineering mode, which was provided by manufacturer.
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	/	/

For BLE (1 Mbps) mode, 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, 802.11n-HT20 and 802.11ax-HE20 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

The system was configured for testing in an engineering mode, which was provided by manufacturer

RF test software: EspRFTTestTool_v5.71

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

Mode	Data Rate	Frequency(MHz)	★Power Level Setting
802.11b	1 Mbps	2412	0
		2437	0
		2462	0
802.11g	6 Mbps	2412	15
		2437	15
		2462	15
802.11n-HT20	MCS0	2412	20
		2437	20
		2462	20
802.11n-HT40	MCS0	2422	22
		2437	22
		2452	22
802.11ax-HE20	MCS0	2412	10
		2437	10
		2462	10

Mode	Data Rate	Channel	★Power Level
BLE(1Mbps)	1Mbps	Low	7
		Middle	7
		High	7

Note:

1. The power level was declared by the applicant.
2. 802.11ax only support full RU.

Environmental Conditions & Test Information

Test Date:	2026-08-05	2026-08-12	2026-09-01
Temperature:	26.4	24.9℃	25.2℃
Relative Humidity:	50%	53%	54 %
ATM Pressure:	100.7 kPa	100.4 kPa	101.1 kPa
Test Engineer:	Hugh Wu	Hugh Wu	Hugh Wu

2.4G Wi-Fi:

Mode	Test Frequency (MHz)	T _{on} (ms)	T _{on} +T _{off} (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)
802.11b	2437	32.189	32.211	99.93	/
802.11g	2437	5.353	5.386	99.39	/
802.11n20	2437	4.961	4.991	99.40	/
802.11n40	2437	2.406	2.435	98.81	/
802.11ax20_RU_Full	2437	3.759	3.820	98.40	/

BLE:

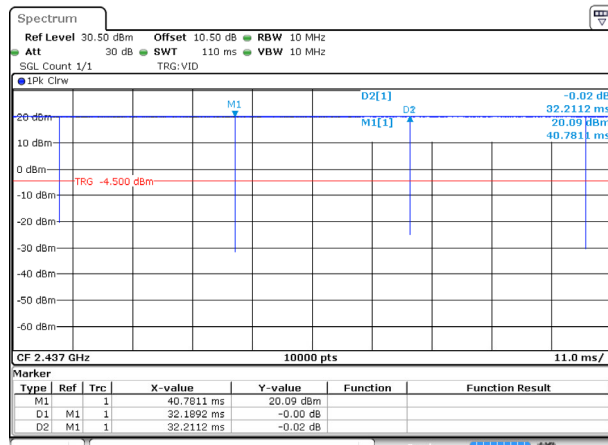
Mode	T _{on} (ms)	T _{on} +T _{off} (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)
BLE(1Mbps)	2.096	2.162	96.95	0.13

Note:

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

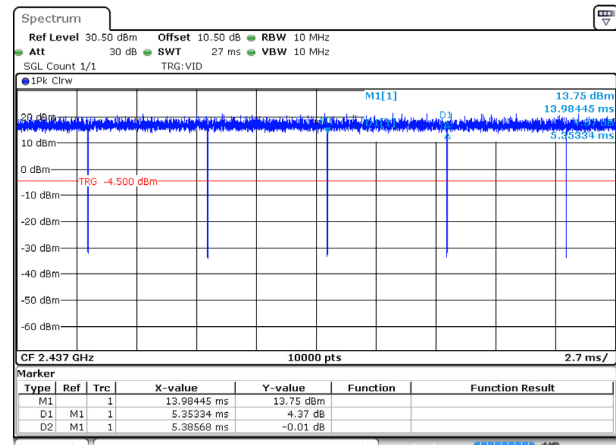
Duty Cycle: 2.4G WiFi

802.11b_2437MHz



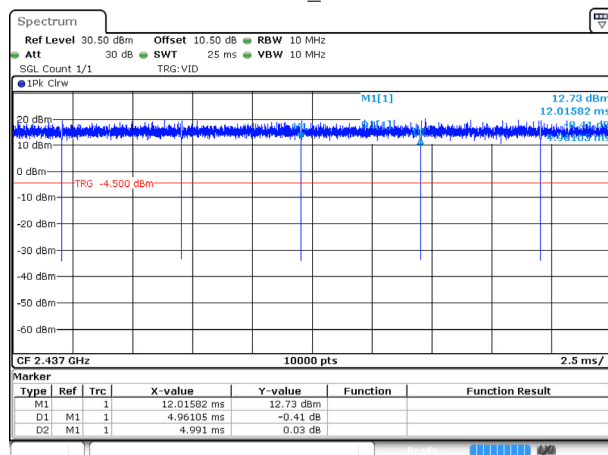
ProjectNo. RKSB260714008 Tester: Hugh Wu
Date: 12.AUG.2026 14:41:09

802.11g_2437MHz



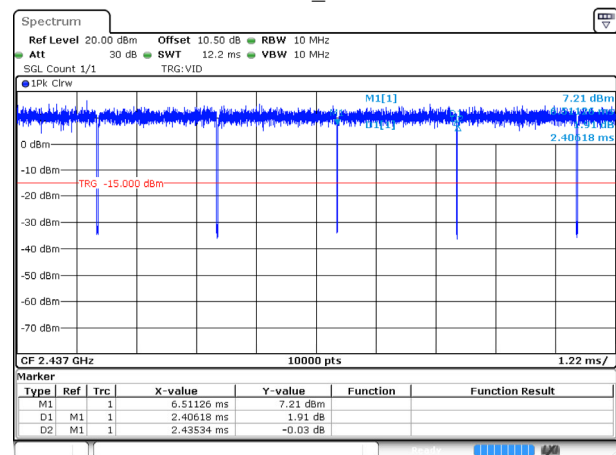
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Date: 12.AUG.2026 12:30:17

802.11n20_2437MHz



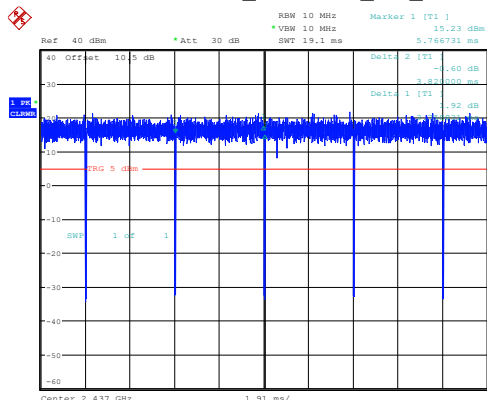
ProjectNo. RKSB260714008 Tester: Hugh Wu
Date: 12.AUG.2026 12:54:55

802.11n40_2437MHz



ProjectNo. RKSB260714008 Tester: Hugh Wu
Date: 12.AUG.2026 14:17:26

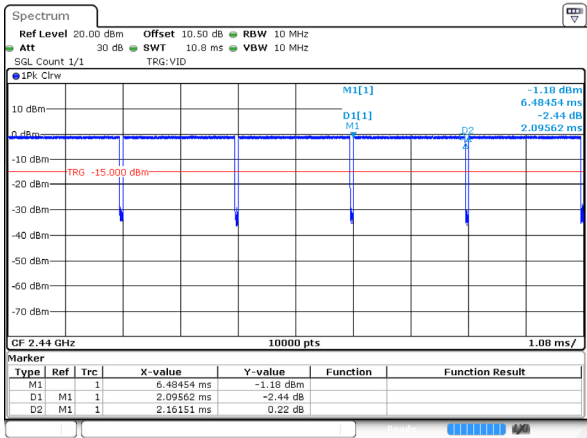
802.11ax20_2437MHz_RU_Full



ProjectNo.: RKSB260714008 Tester: Hugh Wu
Date: 1.SEP.2026 16:04:05

BLE 1M

BLE_1M_Middle_Channel



ProjectNo.: RKSB260714008 Tester:Hugh Wu
Date: 5 AUG 2026 16:02:24

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Notebook	Y700P	PF2B7PL5
Dongguan Rico Electronic Co.,Ltd	Adapter-1	RKPO-UL0505000IP44-4	/
Opple Lighting Co.,Ltd	Adapter-2	OP-IESVP1500036E1-01	/
ALLRA LIMITED	LED Luminaires	F700PO4	/
/	LED Luminaires strip	/	/
/	Debug Board	/	/
	Power Strip		

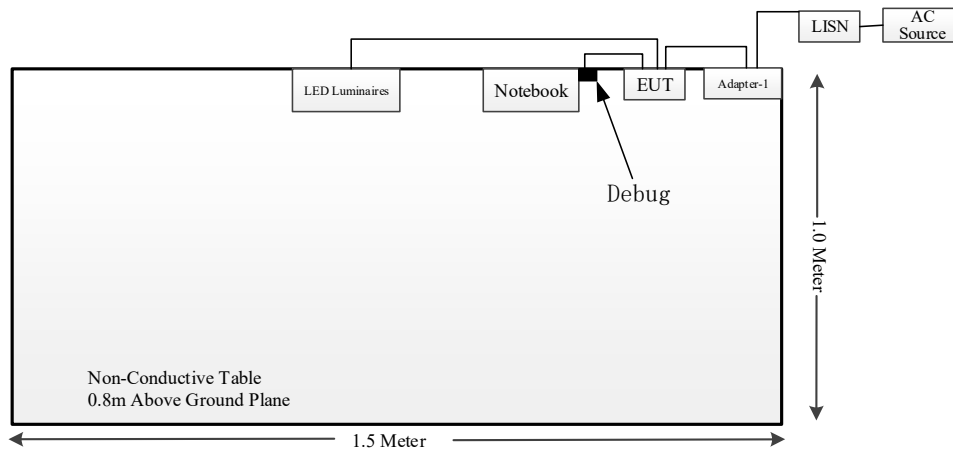
External I/O Cable

Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.0	AC Source	Power strip
Power Cable 2	0.5	Adapter-1/ Adapter-2	EUT
Power Cable 3	0.9	EUT	LED Luminaires-1/ LED Luminaires strip
USB Cable	1.0	Debug Board	EUT
Power Cable 4	0.5	Adapter-1	Power strip
Power Cable 5	1.0	Adapter-1/ Adapter-2	LISN/AC Source

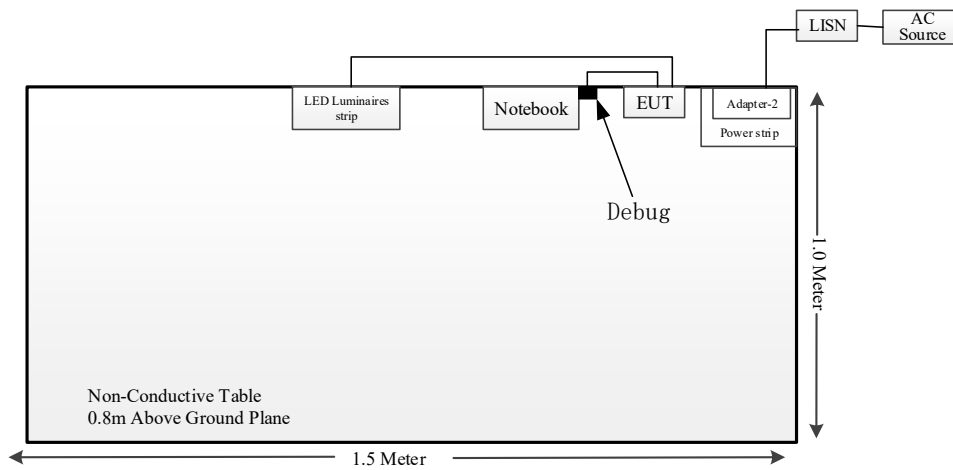
Block Diagram of Test Setup

For Conducted Emissions:

Model: OPCBXICWB06

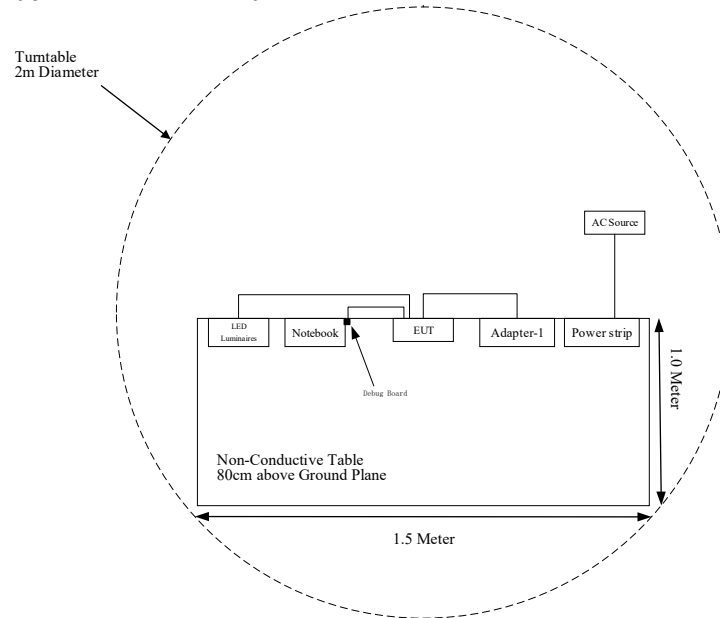


Model: OPCBXICWB05

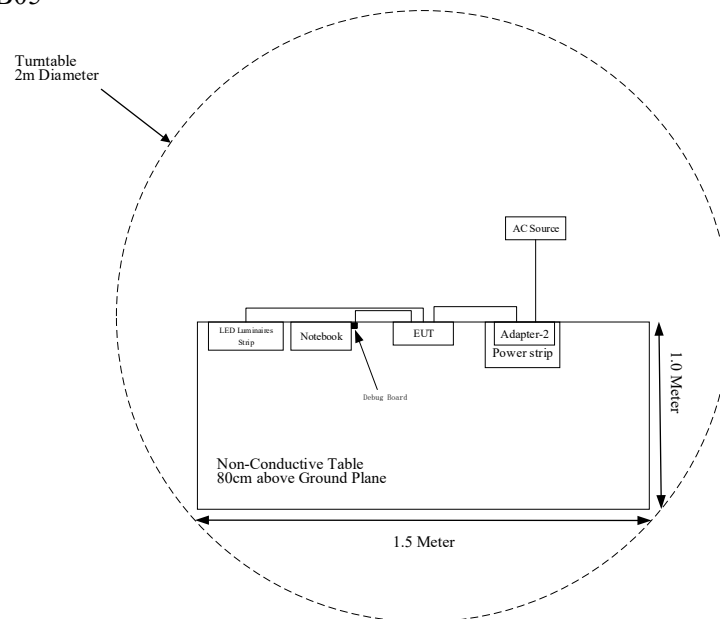


For Radiated Emissions (Below 1GHz):

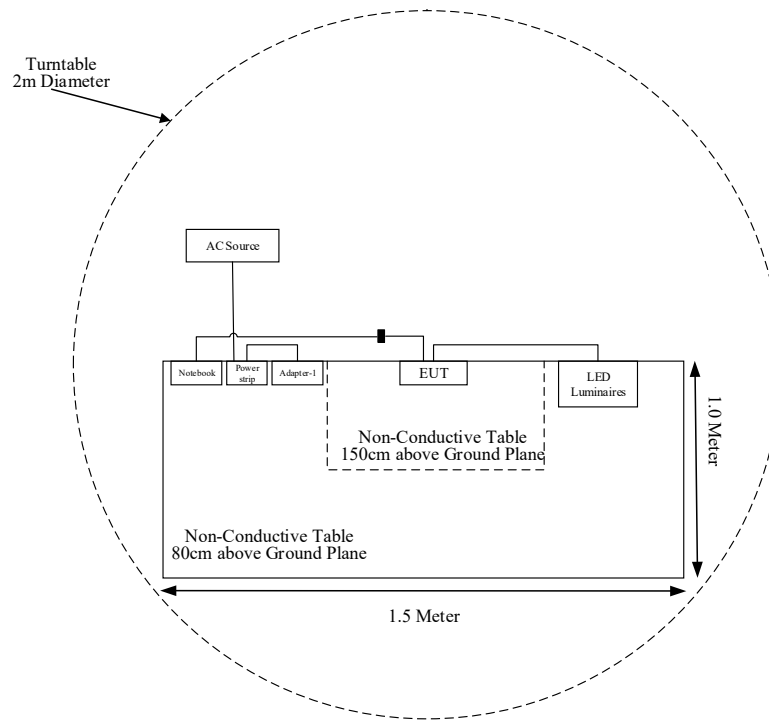
Model: OPCBXICWB06 & OPCBXICWB02



Model: OPCBXICWB05



For Radiated Emissions (Above 1GHz):



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1310 & §2.1091	MAXIMUM PERMISSIBLE EXPOSURE (MPE)	Compliant
§15.203	Antenna Requirement	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	100 kHz Bandwidth of Frequency Band Edge	Compliant
§15.247(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	2026-03-13	2027-03-12
Sunol Sciences	Hybrid 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	2025-08-10	2028-08-09
Sonoma Instrument	Amplifier	310N	171205	2026-03-13	2027-03-12
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-7	007	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-8	008	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-9	009	2026-03-13	2027-03-12
MICRO-COAX	Coaxial Cable	Cable-10	010	2026-03-13	2027-03-12
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2026-06-01	2027-05-31
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	2026-03-16	2027-03-15
SELECTOR	Amplifier	EM18G40G	60726	2026-03-13	2027-03-12
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2026-03-13	2027-03-12
Narda	Attenuator	10dB	010	2026-03-13	2027-03-12
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-11	011	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-12	012	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-13	013	2026-03-16	2027-03-15
MICRO-COAX	Coaxial Cable	Cable-25	025	2026-03-12	2027-03-11
RF Conducted Test					
Rohde & Schwarz	Signal Analyzer	FSV40-N	103298	2026-03-13	2027-03-12
Rohde & Schwarz	Signal Analyzer	FSU26	200103	2026-03-16	2027-03-15
Narda	Attenuator	10dB	010	2026-03-13	2027-03-12
XHFDZ	RG316 Coaxial Cable	SMA-316	XHF-1175	Each time	N/A
Anritsu	Power Sensor	MA24418A	12621	2026-03-13	2027-03-12
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR3	1316.3003K03-101746-zn	2026-03-13	2027-03-12
Rohde & Schwarz	LISN	ENV216	101115	2026-03-12	2027-03-11
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse limiter	ESH3-Z2	100552	2026-03-12	2027-03-11
MICRO-COAX	Coaxial Cable	Cable-15	015	2026-03-13	2027-03-12

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

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

Applicable Standard

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

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

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm²)	Averaging Time (minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

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

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

Calculated Formulary

Predication of MPE limit at a given distance

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

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

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

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

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Data:

Mode	Frequency Range (MHz)	Antenna Gain		★Tune-up Output Power		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G WiFi	2412-2462	1.7	1.48	24.0	251.19	20	0.0739	1.0
BLE	2402-2480	1.7	1.48	0.5	1.12	20	0.0003	1.0

Note:

1. For the above tune up power were declared by the manufacturer.

2. WIFI and BLE cannot transmit simultaneous

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

FCC §15.203 - ANTENNA REQUIREMENT

Applicable Standard

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

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

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

Antenna Connector Construction

The EUT has a spring antenna which was permanently attached to the EUT, fulfill the requirement of this section. Please refer to the EUT photos.

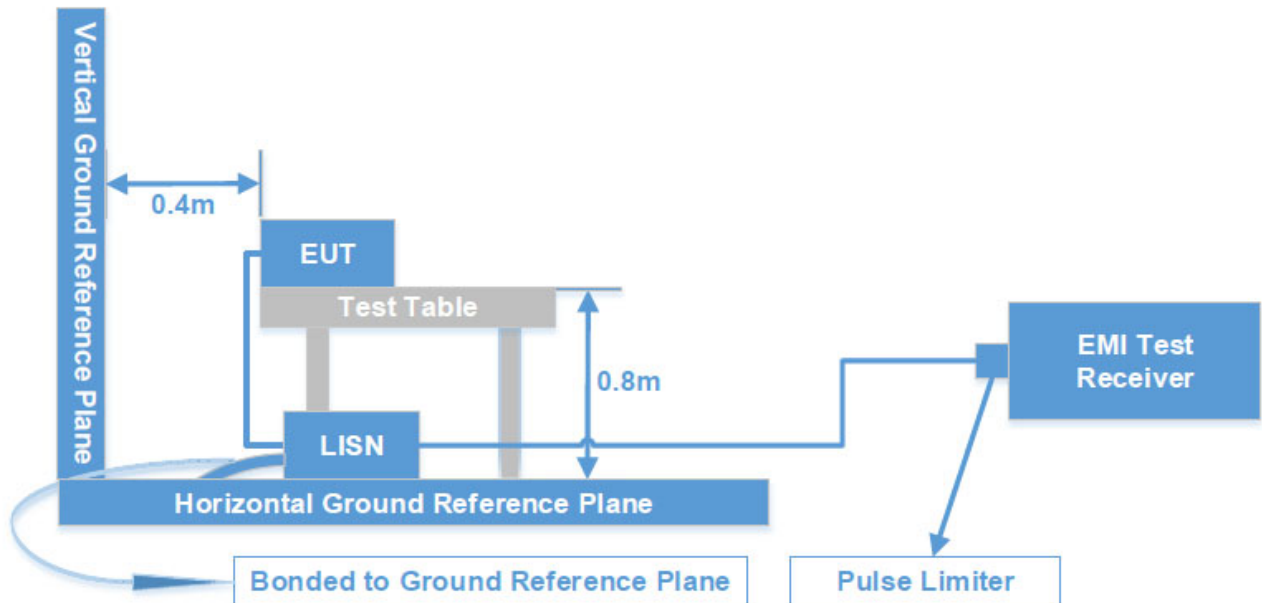
Result: Compliant.

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

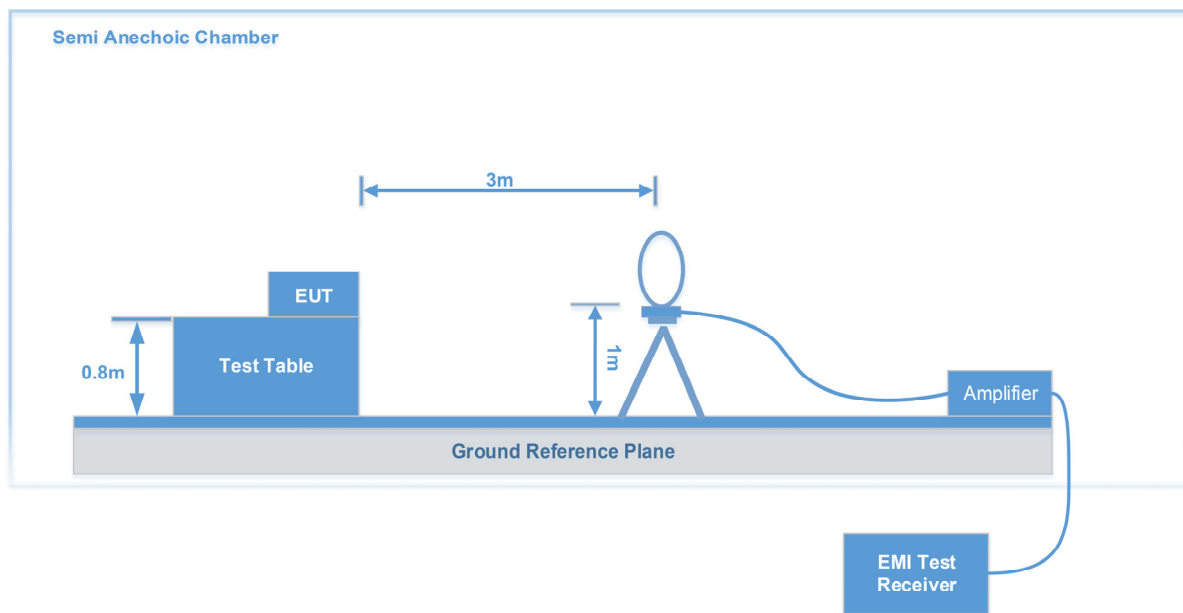
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

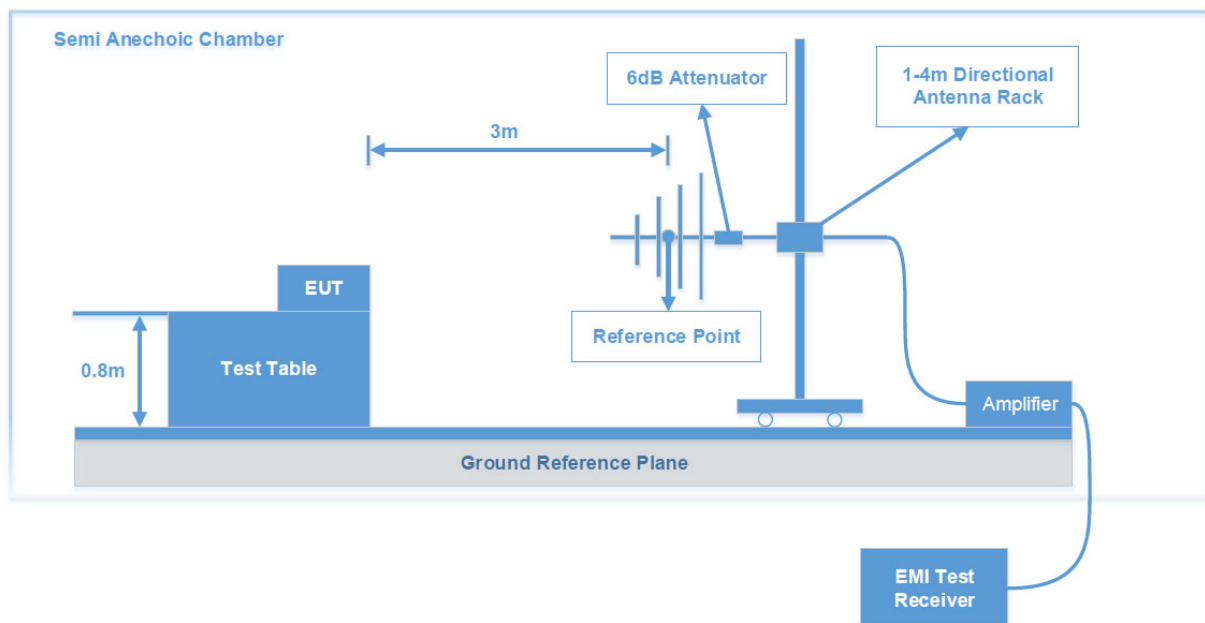
FCC §15.247 (d); §15.209; §15.205;

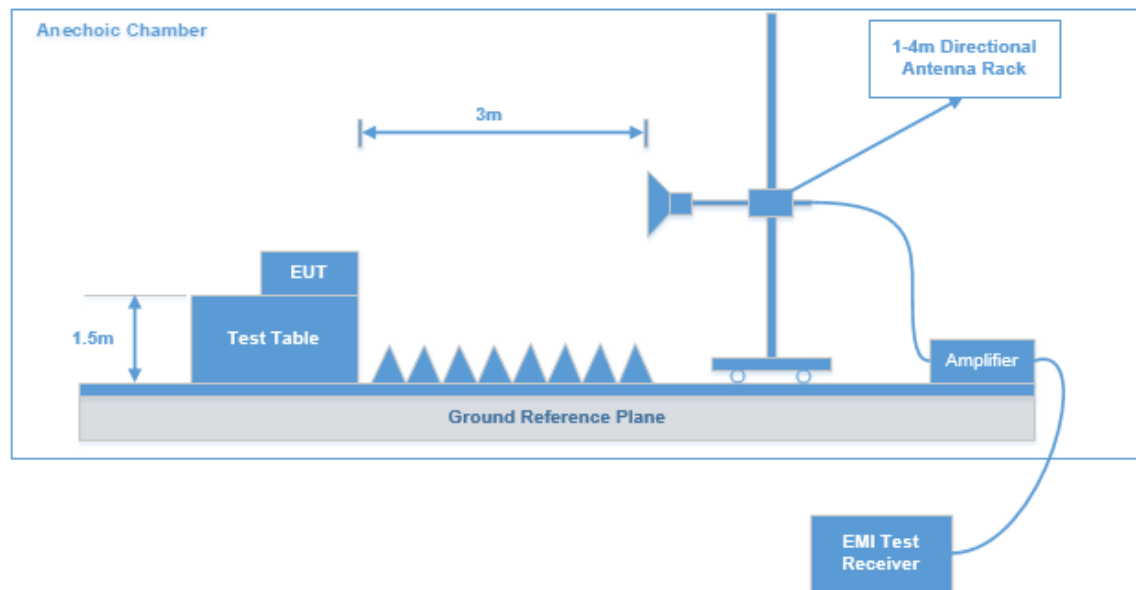
Test System Setup

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	Peak/QP
150 kHz – 30 MHz	9 kHz	30 kHz	9 kHz	Peak/QP	Peak/QP
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.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz -1 GHz, except 9-90 kHz, 110-490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

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 (dBμV/m) = Meter Reading (dBμV) + 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 (dBμV/m) – Corrected Amplitude (dBμV/m)

Note: The QuasiPeak (dBμV/m), MaxPeak (dBμV/m), Average (dBμV/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

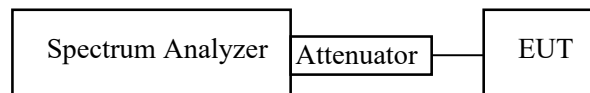
Applicable Standard

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

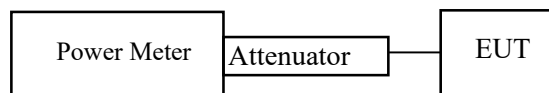
For 2.4G Wi-Fi:

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 & CONDUCTED SPURIOUS EMISSION

Band Edges

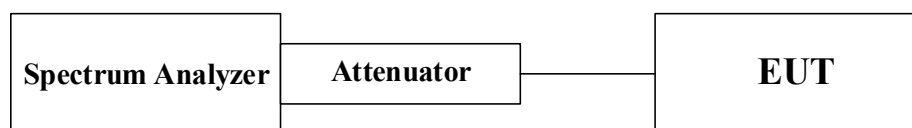
Applicable Standard

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 Section 11.11

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

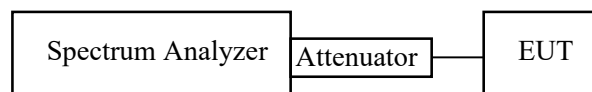
Applicable Standard

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 (3dB)

Test Data: See Appendix

FCC §15.247(E) - POWER SPECTRAL DENSITY

Applicable Standard

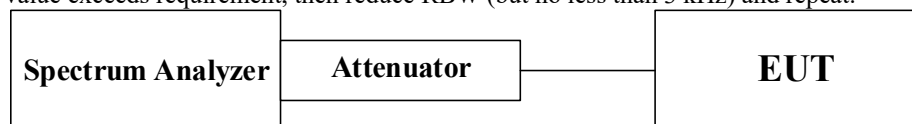
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of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

Test Procedure

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

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

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



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

Test Data: See Appendix

APPENDIX - TEST DATA

AC LINE CONDUCTED EMISSIONS**Environmental Conditions & Test Information**

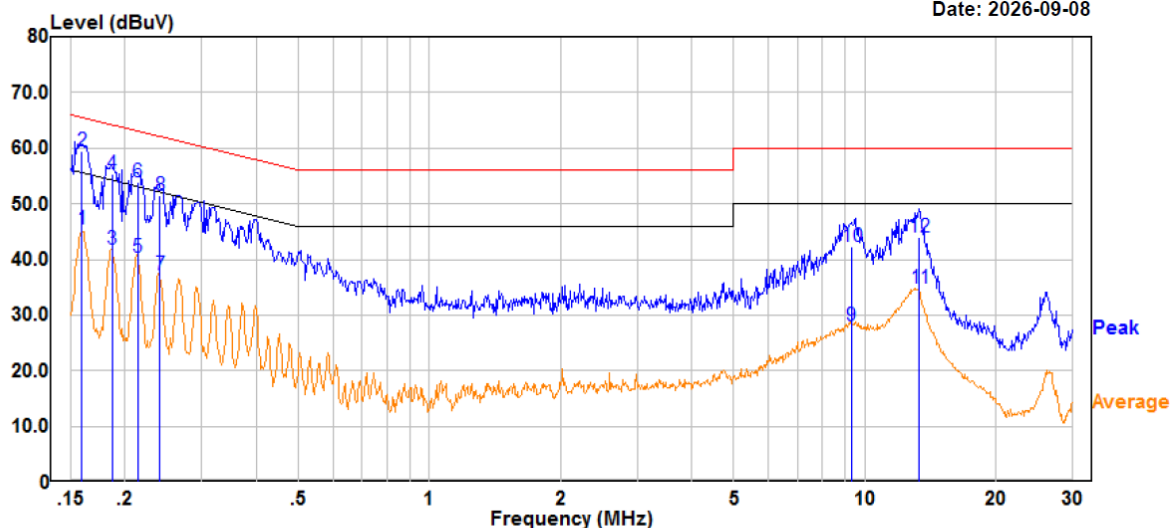
Test Date:	2026-09-08
Temperature:	25.0 °C
Relative Humidity:	58 %
ATM Pressure:	101.3 kPa
Test Result:	Pass
Test Engineer:	Myles Miao

Wi-Fi Mode:

EUT operation mode: Transmitting in maximum output power 802.11b mode high channel
AC 120V/60Hz

Model: OPCBXICWB06

Date: 2026-09-08

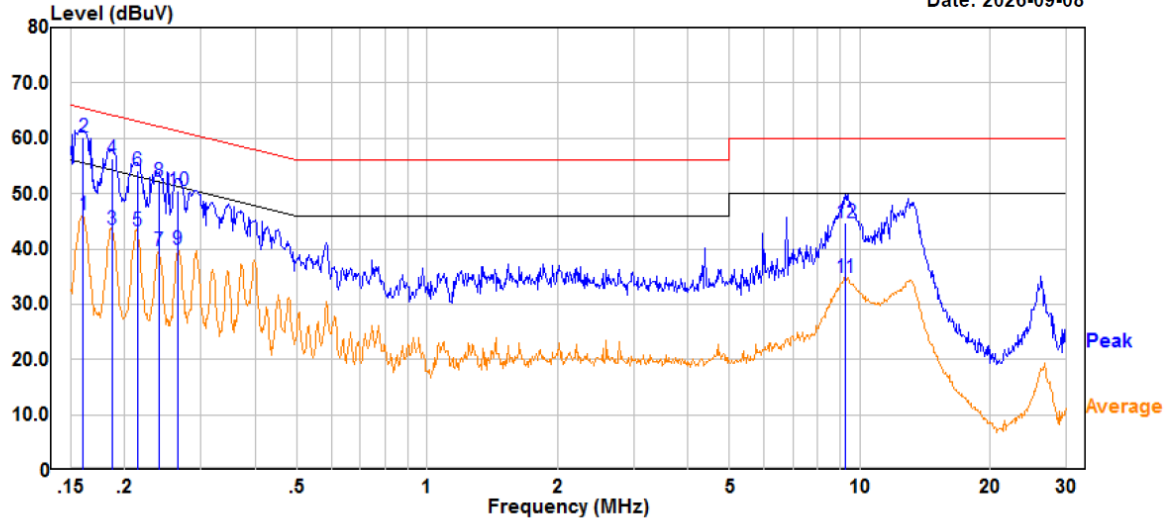


Trace: 1

Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKSB260714008
Model : OPCBXICWB06
Phase : L
Voltage : 120V/60Hz
Mode : 2.4G WIFI
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 25.0°C
Humidity : 58%
Atmospheric pressure: 101.3kPa
Test Engineer : Myles Miao
Check by : Jason Lu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV		dB	dBuV	dB	
1	0.159	25.01	20.39	45.40	55.50	-10.10	Average
2	0.159	39.01	20.39	59.40	65.50	-6.10	QP
3	0.187	21.30	20.41	41.71	54.18	-12.47	Average
4	0.187	35.00	20.41	55.41	64.18	-8.77	QP
5	0.214	20.00	20.41	40.41	53.06	-12.65	Average
6	0.214	33.50	20.41	53.91	63.06	-9.15	QP
7	0.241	16.90	20.40	37.30	52.07	-14.77	Average
8	0.241	31.00	20.40	51.40	62.07	-10.67	QP
9	9.299	7.60	20.49	28.09	50.00	-21.91	Average
10	9.299	21.70	20.49	42.19	60.00	-17.81	QP
11	13.313	14.30	20.51	34.81	50.00	-15.19	Average
12	13.313	23.60	20.51	44.11	60.00	-15.89	QP

Date: 2026-09-08



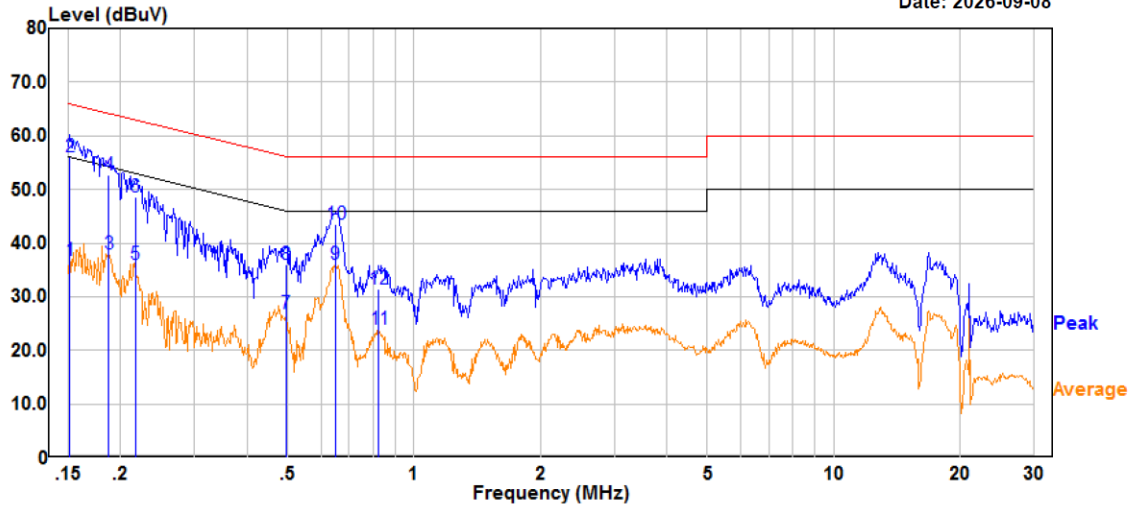
Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKSB260714008
 Model : OPCBXICWB06
 Phase : N
 Voltage : 120V/60Hz
 Mode : 2.4G WIFI
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.0°C
 Humidity : 58%
 Atmospheric pressure: 101.3kPa
 Test Engineer : Myles Miao
 Check by : Jason Lu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.160	25.70	20.41	46.11	55.46	-9.35	Average
2	0.160	39.80	20.41	60.21	65.46	-5.25	QP
3	0.187	23.10	20.42	43.52	54.18	-10.66	Average
4	0.187	35.90	20.42	56.32	64.18	-7.86	QP
5	0.214	22.90	20.42	43.32	53.06	-9.74	Average
6	0.214	33.80	20.42	54.22	63.06	-8.84	QP
7	0.240	19.30	20.41	39.71	52.11	-12.40	Average
8	0.240	31.70	20.41	52.11	62.11	-10.00	QP
9	0.265	19.40	20.41	39.81	51.28	-11.47	Average
10	0.265	30.00	20.41	50.41	61.28	-10.87	QP
11	9.253	14.30	20.51	34.81	50.00	-15.19	Average
12	9.253	24.20	20.51	44.71	60.00	-15.29	QP

Model: OPCBXICWB05

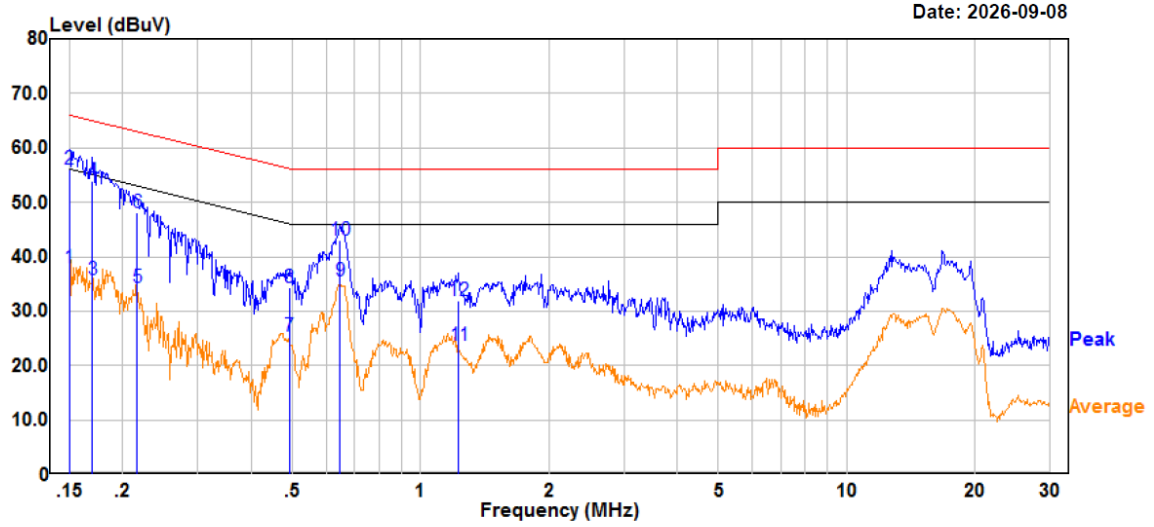
Date: 2026-09-08



Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKS260714008
 Model : OPCBXICWB05
 Phase : L
 Voltage : 120V/60Hz
 Mode : 2.4G WIFI
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.0°C
 Humidity : 58%
 Atmospheric pressure: 101.3kPa
 Test Engineer : Myles Miao
 Check by : Jason Lu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	16.40	20.39	36.79	55.92	-19.13	Average
2	0.152	35.60	20.39	55.99	65.92	-9.93	QP
3	0.188	17.50	20.41	37.91	54.14	-16.23	Average
4	0.188	32.30	20.41	52.71	64.14	-11.43	QP
5	0.217	15.50	20.41	35.91	52.94	-17.03	Average
6	0.217	28.20	20.41	48.61	62.94	-14.33	QP
7	0.496	6.50	20.30	26.80	46.06	-19.26	Average
8	0.496	15.70	20.30	36.00	56.06	-20.06	QP
9	0.649	15.60	20.33	35.93	46.00	-10.07	Average
10	0.649	23.20	20.33	43.53	56.00	-12.47	QP
11	0.825	3.50	20.34	23.84	46.00	-22.16	Average
12	0.825	11.10	20.34	31.44	56.00	-24.56	QP



Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKS260714008
 Model : OPCBXICWB05
 Phase : N
 Voltage : 120V/60Hz
 Mode : 2.4G WIFI
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.0°C
 Humidity : 58%
 Atmospheric pressure: 101.3kPa
 Test Engineer : Myles Miao
 Check by : Jason Lu

	Read Freq	Level dBuV	Factor dB	Level dBuV	Limit Line dBuV	Over Limit dB	Remark
	MHz						
1	0.150	17.50	20.41	37.91	56.00	-18.09	Average
2	0.150	35.60	20.41	56.01	66.00	-9.99	QP
3	0.170	15.40	20.41	35.81	54.96	-19.15	Average
4	0.170	33.40	20.41	53.81	64.96	-11.15	QP
5	0.216	14.00	20.42	34.42	52.98	-18.56	Average
6	0.216	27.80	20.42	48.22	62.98	-14.76	QP
7	0.491	5.00	20.32	25.32	46.15	-20.83	Average
8	0.491	14.00	20.32	34.32	56.15	-21.83	QP
9	0.646	15.09	20.35	35.44	46.00	-10.56	Average
10	0.646	22.79	20.35	43.14	56.00	-12.86	QP
11	1.229	3.40	20.39	23.79	46.00	-22.21	Average
12	1.229	11.60	20.39	31.99	56.00	-24.01	QP

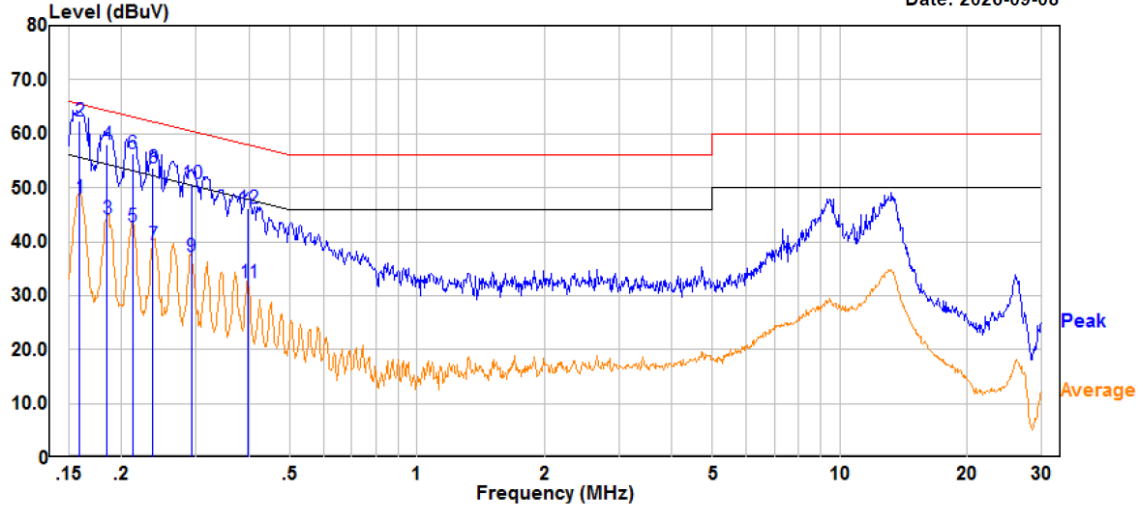
BLE Mode:

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

AC 120V/60Hz

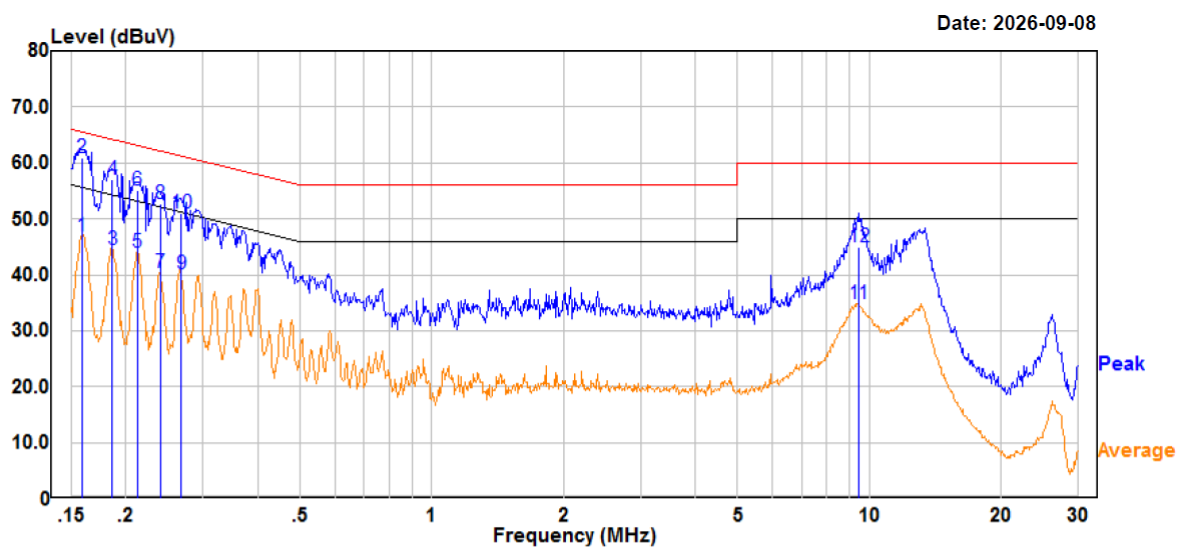
Model: OPCBXICWB06

Date: 2026-09-08



Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKSB260714008
 Model : OPCBXICWB06
 Phase : L
 Voltage : 120V/60Hz
 Mode : BLE 1M
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.0°C
 Humidity : 58%
 Atmospheric pressure: 101.3kPa
 Test Engineer : Myles Miao
 Check by : Jason Lu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.159	27.71	20.39	48.10	55.50	-7.40	Average
2	0.159	41.91	20.39	62.30	65.50	-3.20	QP
3	0.185	23.89	20.41	44.30	54.26	-9.96	Average
4	0.185	37.69	20.41	58.10	64.26	-6.16	QP
5	0.213	22.30	20.41	42.71	53.10	-10.39	Average
6	0.213	36.00	20.41	56.41	63.10	-6.69	QP
7	0.237	18.90	20.40	39.30	52.19	-12.89	Average
8	0.237	33.30	20.40	53.70	62.19	-8.49	QP
9	0.293	16.90	20.40	37.30	50.45	-13.15	Average
10	0.293	30.30	20.40	50.70	60.45	-9.75	QP
11	0.398	12.10	20.40	32.50	47.89	-15.39	Average
12	0.398	25.70	20.40	46.10	57.89	-11.79	QP

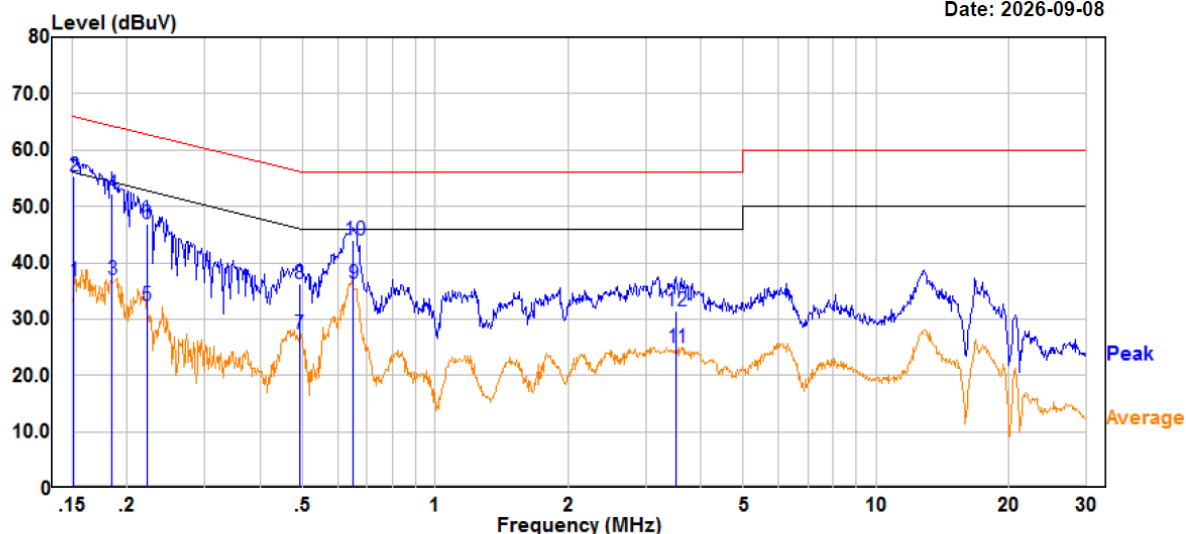


Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKS260714008
 Model : OPCBXICWB06
 Phase : N
 Voltage : 120V/60Hz
 Mode : BLE 1M
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.0°C
 Humidity : 58%
 Atmospheric pressure: 101.3kPa
 Test Engineer : Myles Miao
 Check by : Jason Lu

	Read Freq	Level dBuV	Factor dB	Level dBuV	Limit Line dBuV	Over Limit dB	Remark
	MHz						
1	0.158	26.50	20.41	46.91	55.54	-8.63	Average
2	0.158	40.40	20.41	60.81	65.54	-4.73	QP
3	0.186	24.00	20.42	44.42	54.22	-9.80	Average
4	0.186	36.60	20.42	57.02	64.22	-7.20	QP
5	0.213	23.50	20.42	43.92	53.10	-9.18	Average
6	0.213	34.60	20.42	55.02	63.10	-8.08	QP
7	0.240	19.90	20.41	40.31	52.11	-11.80	Average
8	0.240	32.40	20.41	52.81	62.11	-9.30	QP
9	0.267	19.80	20.41	40.21	51.20	-10.99	Average
10	0.267	30.70	20.41	51.11	61.20	-10.09	QP
11	9.439	14.30	20.51	34.81	50.00	-15.19	Average
12	9.439	24.40	20.51	44.91	60.00	-15.09	QP

Model: OPCBXICWB05

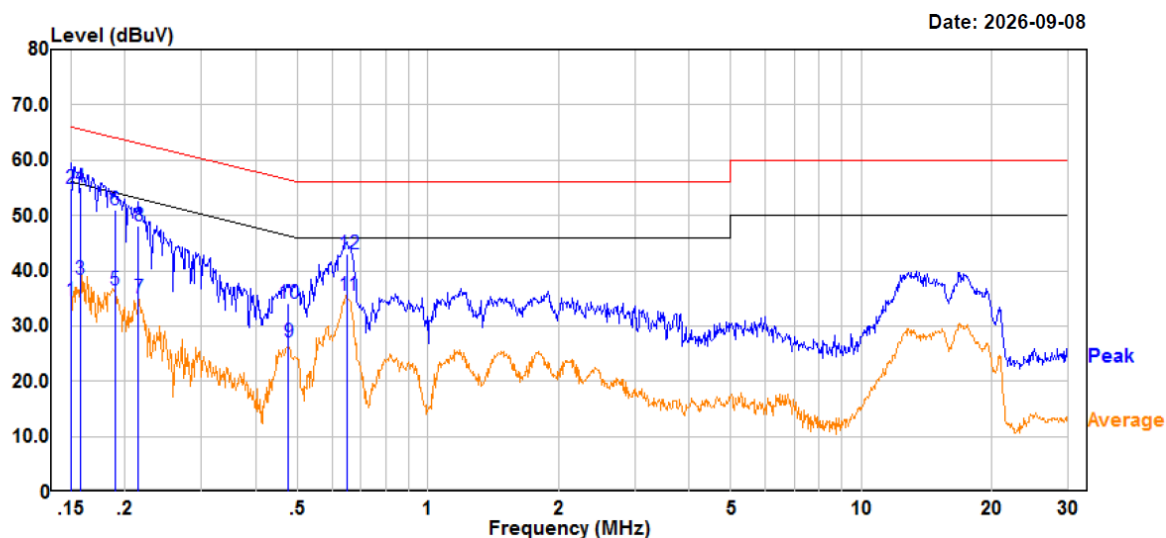
Date: 2026-09-08



Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKSB260714008
 Model : OPCBXICWB05
 Phase : L
 Voltage : 120V/60Hz
 Mode : BLE 1M
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.0°C
 Humidity : 58%
 Atmospheric pressure: 101.3kPa
 Test Engineer : Myles Miao
 Check by : Jason Lu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.152	16.40	20.39	36.79	55.92	-19.13	Average
2	0.152	34.90	20.39	55.29	65.92	-10.63	QP
3	0.185	16.49	20.41	36.90	54.26	-17.36	Average
4	0.185	31.69	20.41	52.10	64.26	-12.16	QP
5	0.221	12.00	20.41	32.41	52.77	-20.36	Average
6	0.221	26.40	20.41	46.81	62.77	-15.96	QP
7	0.491	6.90	20.31	27.21	46.15	-18.94	Average
8	0.491	16.00	20.31	36.31	56.15	-19.84	QP
9	0.653	16.00	20.33	36.33	46.00	-9.67	Average
10	0.653	23.60	20.33	43.93	56.00	-12.07	QP
11	3.518	4.50	20.44	24.94	46.00	-21.06	Average
12	3.518	11.00	20.44	31.44	56.00	-24.56	QP



Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKSB260714008
 Model : OPCBXICWB05
 Phase : N
 Voltage : 120V/60Hz
 Mode : BLE 1M
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.0°C
 Humidity : 58%
 Atmospheric pressure: 101.3kPa
 Test Engineer : Myles Miao
 Check by : Jason Lu

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	14.10	20.41	34.51	56.00	-21.49	Average
2	0.150	34.50	20.41	54.91	66.00	-11.09	QP
3	0.158	18.10	20.41	38.51	55.59	-17.08	Average
4	0.158	34.70	20.41	55.11	65.59	-10.48	QP
5	0.190	16.00	20.42	36.42	54.05	-17.63	Average
6	0.190	30.60	20.42	51.02	64.05	-13.03	QP
7	0.215	14.60	20.42	35.02	53.02	-18.00	Average
8	0.215	27.60	20.42	48.02	63.02	-15.00	QP
9	0.477	6.70	20.36	27.06	46.40	-19.34	Average
10	0.477	13.80	20.36	34.16	56.40	-22.24	QP
11	0.653	15.20	20.35	35.55	46.00	-10.45	Average
12	0.653	22.70	20.35	43.05	56.00	-12.95	QP

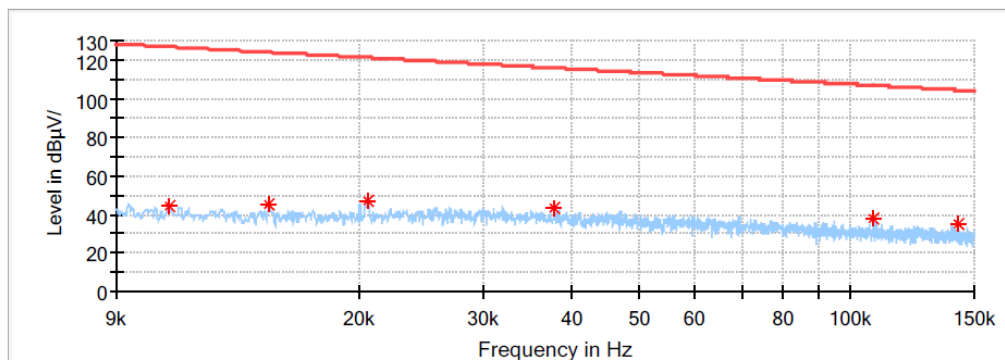
SPURIOUS EMISSIONS**Environmental Conditions & Test Information**

Test Item:	SPURIOUS EMISSIONS			
	9kHz – 30MHz	30MHz - 1GHz	1 GHz - 18 GHz	18 GHz - 25 GHz
Test Date:	2026-08-17 to 2026-10-10	2026-08-17 to 2026-09-14	2026-08-11	2026-08-11
Temperature:	24.3-25.4 °C	24.3-25.4 °C	24.8 °C	24.8 °C
Relative Humidity:	53-59 %	53-59 %	55 %	55 %
ATM Pressure:	100.9-101.9 kPa	100.9-101.9 kPa	100.3 kPa	100.3 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 Y is below:*

Wi-Fi Mode:*Model: OPCBXICWB06***9kHz-150kHz** Transmitting in maximum output power 802.11b mode high channel
Parallel(worst case)**High Channel: 2462MHz****Common Information**

Project No:	RKSB260714008
EUT Model:	OPCBXICWB06
Test Mode:	Transmitting in 802.11b mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW: 200 Hz, VBW: 1 kHz, Sweep Time: Auto
Temperature:	25.4°C
Humidity:	53%
Barometric Pressure:	101.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/9/14

**Critical Freqs**

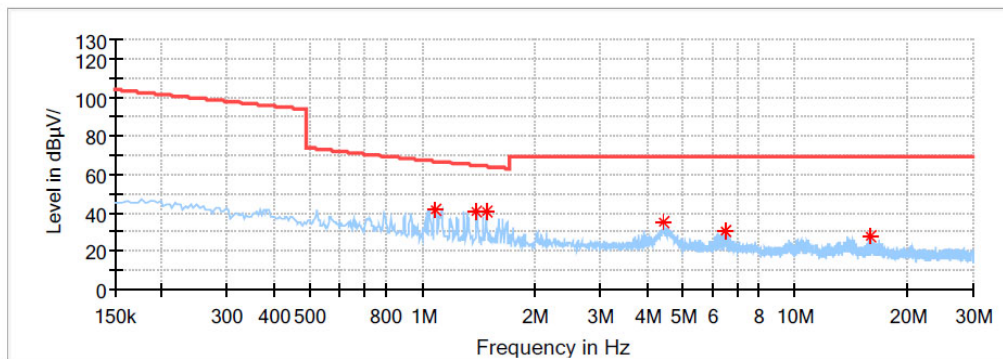
Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.010692	44.27	126.99	82.73	Parallel	-0.2
0.014852	45.29	124.13	78.84	Parallel	-0.2
0.020492	46.79	121.37	74.57	Parallel	-0.1
0.037834	43.03	116.04	73.01	Parallel	-1.3
0.107665	37.59	106.97	69.37	Parallel	-8.8
0.142139	34.99	104.55	69.55	Parallel	-10.3

150kHz-30MHz Transmitting in maximum output power 802.11b mode high channel
Parallel(worst case)

High Channel: 2462MHz

Common Information

Project No:	RKSB260714008
EUT Model:	OPCBXICWB06
Test Mode:	Transmitting in 802.11b mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW: 9k Hz, VBW: 30 kHz, Sweep Time: Auto
Temperature:	25.4 °C
Humidity:	53%
Barometric Pressure:	101.9 kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/9/14

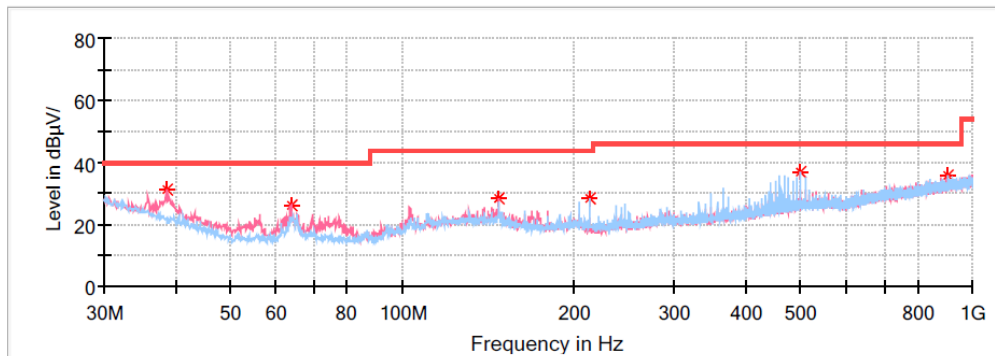


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1.082812	41.15	66.72	25.56	Parallel	-27.4
1.399969	40.69	64.57	23.88	Parallel	-28.4
1.485788	40.57	64.08	23.51	Parallel	-28.7
4.429744	35.19	69.54	34.35	Parallel	-31.3
6.522975	30.83	69.54	38.71	Parallel	-31.7
15.866025	27.52	69.54	42.02	Parallel	-32.5

30MHz-1GHz (Transmitting in maximum output power 802.11b mode high channel):**High Channel: 2462MHz****Common Information**

Project No:	RKSB260714008
EUT Model:	OPCBXICWB06
Test Mode:	Transmitting in 802.11b mode high 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:	25.4℃
Humidity:	53%
Barometric Pressure:	101.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/9/14

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
38.608750	31.00	40.00	9.00	V	-10.3
63.828750	26.25	40.00	13.75	V	-16.8
147.733750	28.34	43.50	15.16	V	-11.4
213.208750	28.35	43.50	15.15	H	-12.7
500.450000	36.90	46.00	9.10	H	-4.9
907.850000	35.68	46.00	10.32	H	1.5

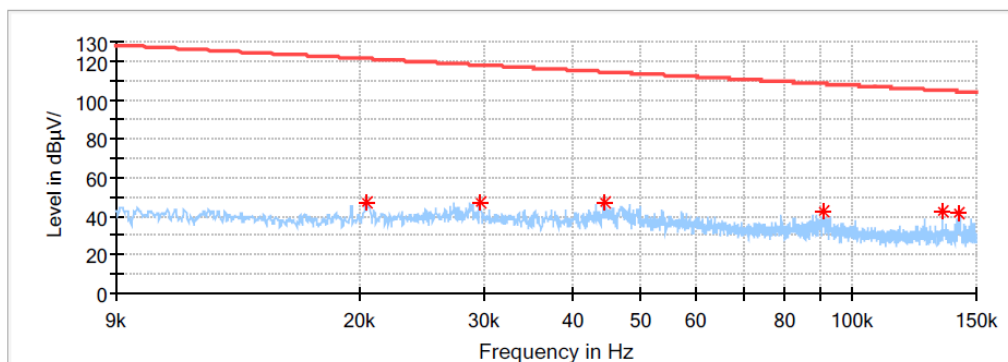
Model: OPCBXICWB05

9kHz-150kHz Transmitting in maximum output power 802.11b mode high channel
Parallel(worst case)

High Channel: 2462MHz

Common Information

Project No:	RKSB260714008
EUT Model:	OPCBXICWB05
Test Mode:	Transmitting in 802.11b mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	24.3℃
Humidity:	59%
Barometric Pressure:	100.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/8/17

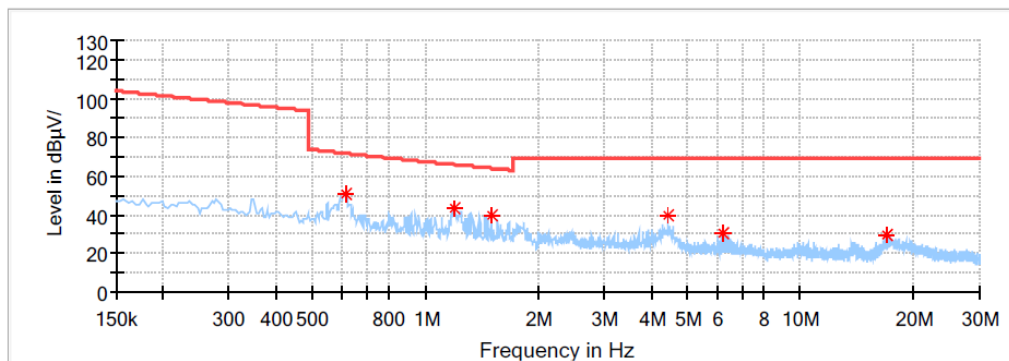


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.020439	47.09	121.39	74.30	Parallel	-0.1
0.029551	46.89	118.19	71.31	Parallel	0.0
0.044585	46.78	114.61	67.83	Parallel	-2.4
0.090921	42.50	108.43	65.92	Parallel	-7.7
0.134490	42.36	105.03	62.67	Parallel	-10.0
0.141346	41.38	104.59	63.21	Parallel	-10.3

150kHz-30MHz Transmitting in maximum output power 802.11b mode high channel**Parallel(worst case)****High Channel: 2462MHz****Common Information**

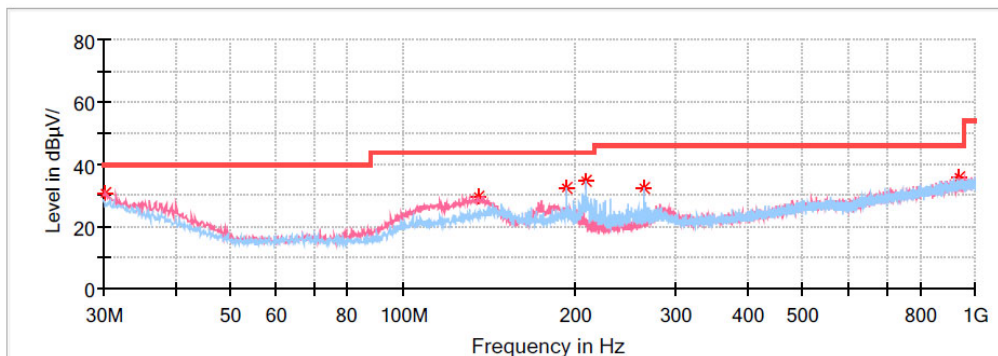
Project No: RKSB260714008
EUT Model: OPCBXICWB05
Test Mode: Transmitting in 802.11b mode high channel
Standard: FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment: ESCI, 1313-1A, 310N
Receiver Setting: RBW: 9k Hz, VBW: 30 kHz, Sweep Time: Auto
Temperature: 24.3°C
Humidity: 59%
Barometric Pressure: 100.9kPa
Test Engineer: Scarf Yang
Check by: Jason Lu
Test Date: 2026/8/17

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/ma)
0.616406	50.64	71.68	21.03	Parallel	-23.2
1.191019	43.22	65.91	22.69	Parallel	-27.7
1.500712	39.35	64.00	24.65	Parallel	-28.8
4.433475	39.23	69.54	30.31	Parallel	-31.3
6.213281	30.78	69.54	38.76	Parallel	-31.6
17.007788	29.52	69.54	40.02	Parallel	-32.6

30MHz-1GHz (Transmitting in maximum output power 802.11b mode high channel):**High Channel: 2462MHz****Common Information**

Project No:	RKSB260714008
EUT Model:	OPCBXICWB05
Test Mode:	Transmitting in 802.11b mode high 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:	24.3°C
Humidity:	59%
Barometric Pressure:	100.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/8/17

**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.242500	30.87	40.00	9.13	V	-4.8
135.608750	29.41	43.50	14.09	V	-11.0
193.323750	32.43	43.50	11.07	H	-12.1
208.843750	34.52	43.50	8.98	H	-12.4
264.012500	32.42	46.00	13.58	H	-11.5
937.435000	35.59	46.00	10.41	V	2.0

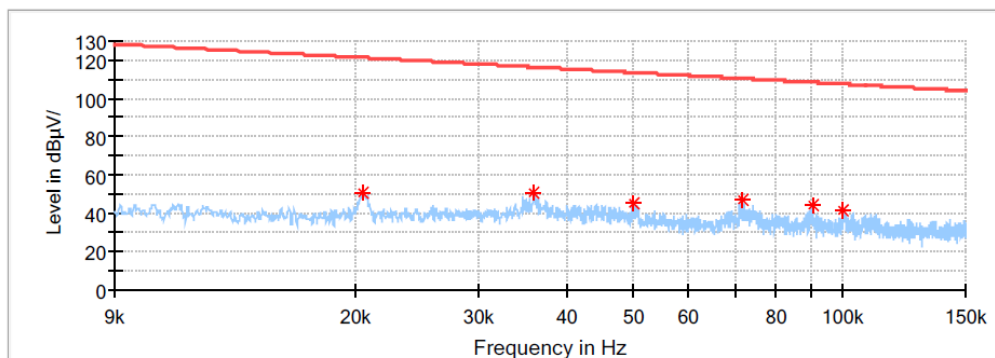
Model: OPCBXICWB02

9kHz-150kHz Transmitting in maximum output power 802.11b mode high channel
Parallel(worst case)

High Channel: 2462MHz

Common Information

Project No:	RKSB260714008
EUT Model:	OPCBXICWB02
Test Mode:	Transmitting in 802.11b mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW:200 Hz, VBW:1 kHz, Sweep Time: Auto
Temperature:	24.3℃
Humidity:	59%
Barometric Pressure:	101.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/10/10



Critical_Freqs

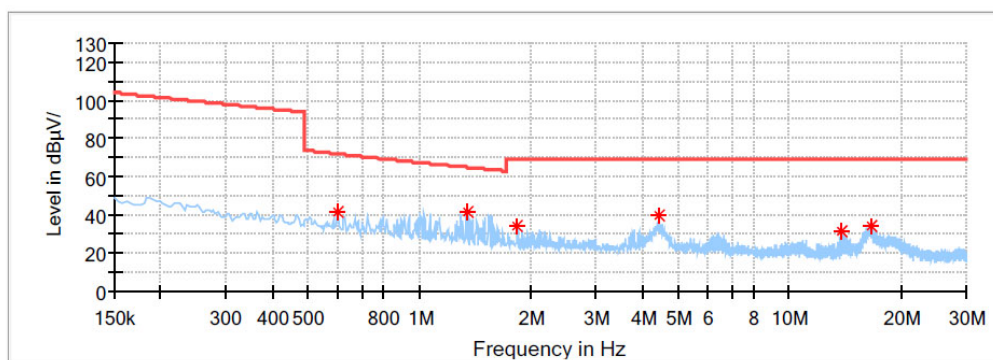
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.020439	50.38	121.39	71.01	Parallel	-0.1
0.035860	50.73	116.51	65.77	Parallel	-1.0
0.049996	44.94	113.62	68.68	Parallel	-3.2
0.071833	46.59	110.48	63.89	Parallel	-5.8
0.090216	43.97	108.49	64.53	Parallel	-7.7
0.099998	41.73	107.61	65.89	Parallel	-8.5

150kHz-30MHz Transmitting in maximum output power 802.11b mode high channel
Parallel(worst case)

High Channel: 2462MHz

Common Information

Project No:	RKSB260714008
EUT Model:	OPCBXICWB02
Test Mode:	Transmitting in 802.11b mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, 1313-1A, 310N
Receiver Setting:	RBW: 9 kHz, VBW: 30 kHz, Sweep Time: Auto
Temperature:	24.3°C
Humidity:	59%
Barometric Pressure:	101.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/10/10

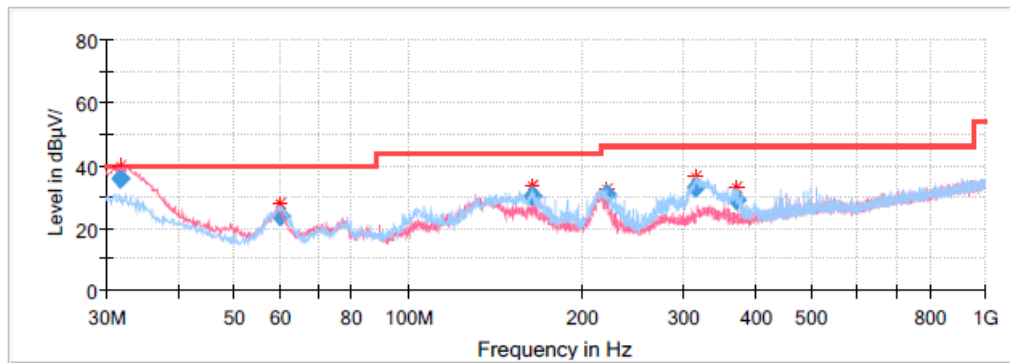


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.601481	41.57	71.90	30.33	Parallel	-23.0
1.347731	41.20	64.88	23.68	Parallel	-28.3
1.840256	33.83	69.54	35.71	Parallel	-29.9
4.429744	39.52	69.54	30.02	Parallel	-31.3
13.765331	31.39	69.54	38.15	Parallel	-32.2
16.683169	34.01	69.54	35.53	Parallel	-32.6

30MHz-1GHz (Transmitting in maximum output power 802.11b mode high channel):**High Channel: 2462MHz****Common Information**

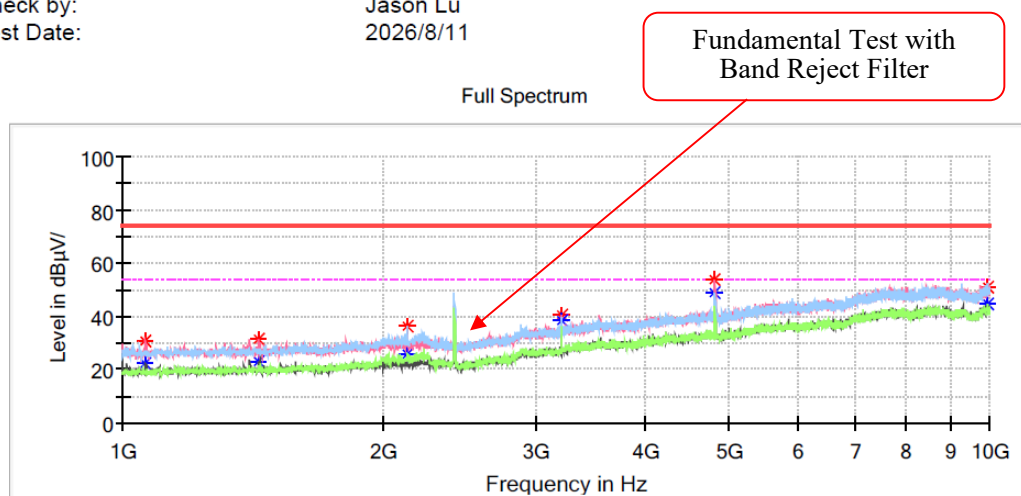
Project No:	RKSB260714008
EUT Model:	OPCBXICWB02
Test Mode:	Transmitting in 802.11b mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209 & FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Receiver Setting:	RBW: 100 kHz, VBW: 300 kHz, Sweep Time: Auto
Temperature:	24.3°C
Humidity:	59%
Barometric Pressure:	101.9kPa
Test Engineer:	Scarf Yang
Check by:	Jason Lu
Test Date:	2026/10/10

**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
31.773600	36.00	40.00	4.00	V	-5.8
59.877350	24.10	40.00	15.90	H	-17.0
164.112150	29.90	43.50	13.60	H	-12.1
221.440200	30.87	46.00	15.13	H	-13.1
315.890050	32.76	46.00	13.24	H	-9.7
370.983650	28.72	46.00	17.28	H	-8.6

802.11b Mode:**1GHz-10GHz:****Low Channel: 2412MHz****Common Information**

Project No.:	RKSB260714008
EUT Model:	OPCBXICWB06
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:	24.8℃
Humidity:	55%
Atmospheric Pressure:	100.3kPa
Test Engineer:	Destine Hu
Check by:	Jason Lu
Test Date:	2026/8/11

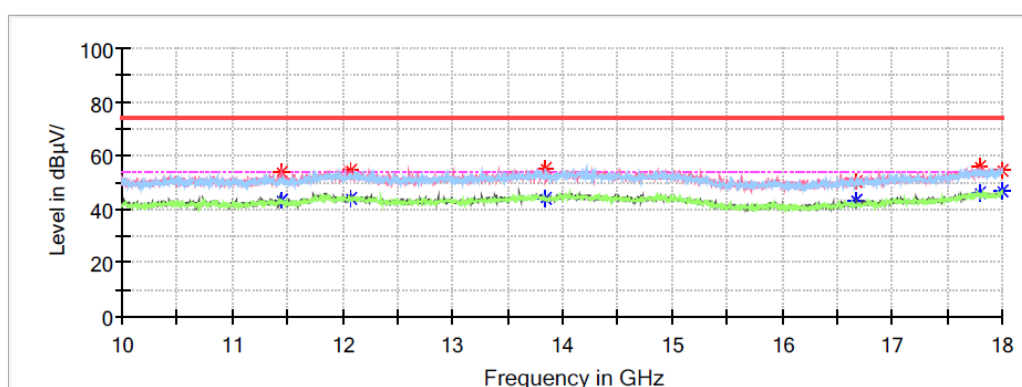
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1063.000000	31.02	---	74.00	42.98	V	-15.9
1063.000000	---	22.33	54.00	31.67	V	-15.9
1433.800000	---	23.37	54.00	30.63	V	-14.3
1433.800000	31.63	---	74.00	42.37	V	-14.3
2128.600000	---	25.66	54.00	28.34	H	-11.3
2128.600000	36.32	---	74.00	37.68	H	-11.3
3215.800000	---	38.23	54.00	15.77	V	-7.5
3215.800000	40.47	---	74.00	33.53	V	-7.5
4824.100000	---	48.85	54.00	5.15	V	-3.4
4824.100000	53.56	---	74.00	20.44	V	-3.4
9943.300000	---	44.63	54.00	9.37	H	6.2
9943.300000	51.15	---	74.00	22.85	H	6.2

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

Project No.:	RKSB260714008
EUT Model:	OPCBXICWB06
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:	24.8℃
Humidity:	55%
Atmospheric Pressure:	100.3kPa
Test Engineer:	Destine Hu
Check by:	Jason Lu
Test Date:	2026/8/11

Full Spectrum

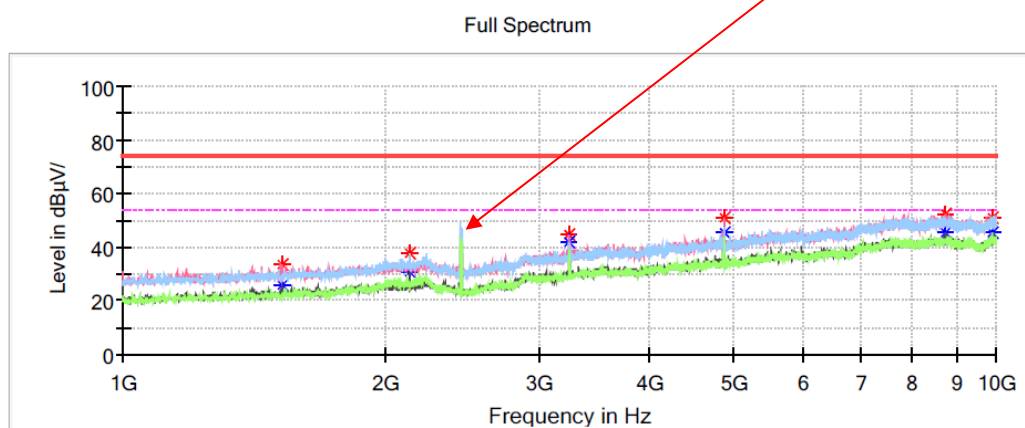
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11438.400000	---	43.24	54.00	10.76	V	8.0
11438.400000	53.85	---	74.00	20.15	V	8.0
12078.400000	54.52	---	74.00	19.48	V	9.0
12078.400000	---	44.29	54.00	9.71	V	9.0
13841.600000	55.29	---	74.00	18.71	H	10.3
13841.600000	---	44.15	54.00	9.85	H	10.3
16680.000000	---	43.50	54.00	10.50	V	8.3
16680.000000	50.48	---	74.00	23.52	V	8.3
17798.400000	55.61	---	74.00	18.39	V	12.6
17798.400000	---	46.47	54.00	7.53	V	12.6
17992.000000	54.62	---	74.00	19.38	H	13.8
17992.000000	---	47.02	54.00	6.98	H	13.8

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

Project No.:	RKSB260714008
EUT Model:	OPCBXICWB06
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:	24.8℃
Humidity:	55%
Atmospheric Pressure:	100.3kPa
Test Engineer:	Destine Hu
Check by:	Jason Lu
Test Date:	2026/8/11

Fundamental Test with
Band Reject Filter

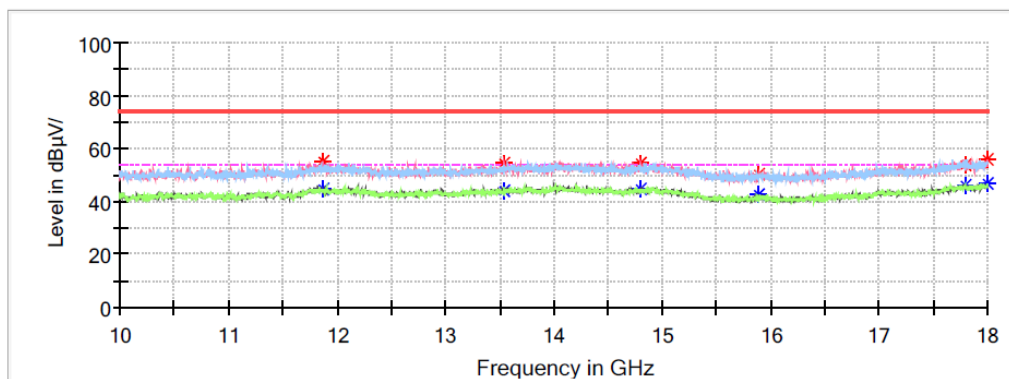
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1520.200000	---	25.86	54.00	28.14	V	-14.0
1520.200000	33.52	---	74.00	40.48	V	-14.0
2125.900000	---	30.50	54.00	23.50	H	-11.3
2125.900000	37.95	---	74.00	36.05	H	-11.3
3249.100000	---	41.89	54.00	12.11	V	-7.3
3249.100000	44.43	---	74.00	29.57	V	-7.3
4873.600000	---	45.77	54.00	8.23	V	-3.2
4873.600000	51.06	---	74.00	22.94	V	-3.2
8741.800000	---	45.11	54.00	8.90	V	4.8
8741.800000	52.38	---	74.00	21.62	V	4.8
9922.600000	---	45.75	54.00	8.25	H	6.1
9922.600000	50.96	---	74.00	23.04	H	6.1

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

Project No.: RKS260714008
EUT Model: OPCBXICWB06
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: 24.8℃
Humidity: 55%
Atmospheric Pressure: 100.3kPa
Test Engineer: Destine Hu
Check by: Jason Lu
Test Date: 2026/8/11

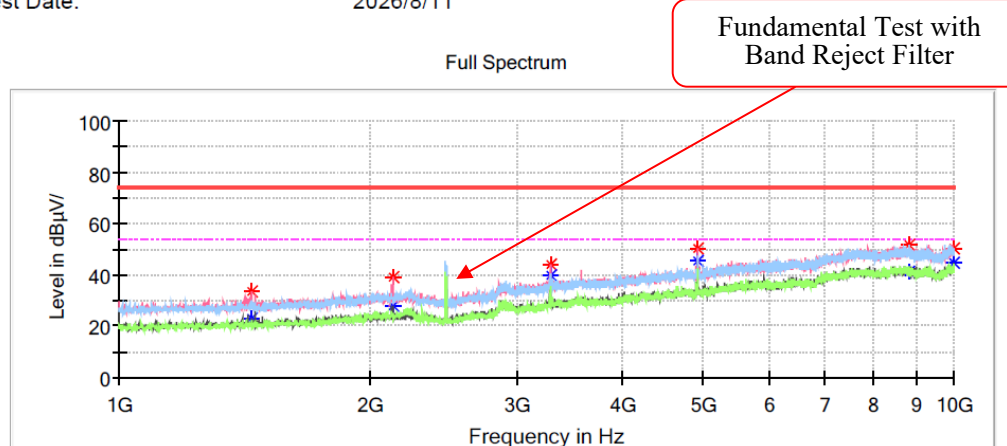
Full Spectrum

**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
11876.800000	54.97	---	74.00	19.03	V	8.8
11876.800000	---	44.51	54.00	9.49	V	8.8
13548.800000	54.81	---	74.00	19.19	V	9.7
13548.800000	---	44.33	54.00	9.67	V	9.7
14808.000000	---	44.44	54.00	9.56	V	10.0
14808.000000	54.38	---	74.00	19.62	V	10.0
15896.000000	---	42.82	54.00	11.18	V	7.6
15896.000000	50.48	---	74.00	23.52	V	7.6
17788.800000	53.86	---	74.00	20.14	H	12.5
17788.800000	---	46.29	54.00	7.71	H	12.5
17998.400000	56.25	---	74.00	17.75	H	13.8
17998.400000	---	46.89	54.00	7.11	H	13.8

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

Project No.: RKSB260714008
 EUT Model: OPCBXICWB06
 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: 24.8°C
 Humidity: 55%
 Atmospheric Pressure: 100.3kPa
 Test Engineer: Destine Hu
 Check by: Jason Lu
 Test Date: 2026/8/11

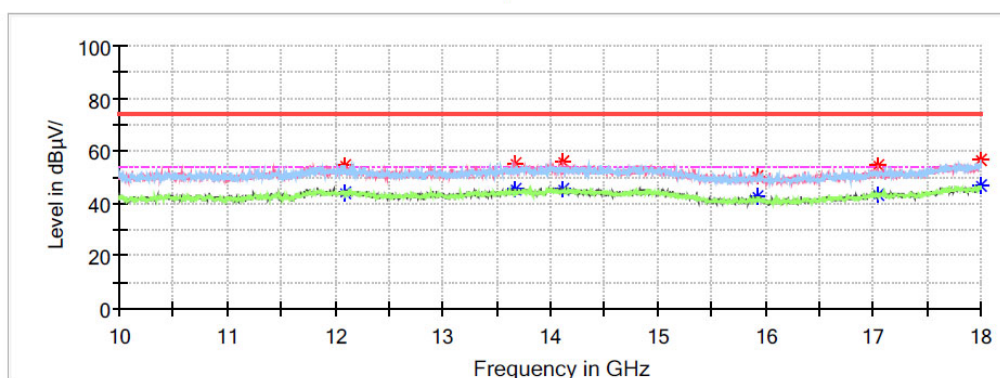
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1442.800000	33.61	---	74.00	40.39	V	-14.3
1442.800000	---	23.03	54.00	30.97	V	-14.3
2129.500000	---	27.77	54.00	26.23	V	-11.3
2129.500000	38.82	---	74.00	35.18	V	-11.3
3282.400000	44.12	---	74.00	29.88	V	-7.2
3282.400000	---	40.02	54.00	13.98	V	-7.2
4924.000000	---	45.73	54.00	8.27	V	-3.0
4924.000000	50.48	---	74.00	23.52	V	-3.0
8849.800000	---	41.41	54.00	12.59	H	4.8
8849.800000	51.62	---	74.00	22.38	H	4.8
9998.200000	---	44.73	54.00	9.27	V	6.4
9998.200000	50.27	---	74.00	23.73	V	6.4

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

Project No.: RKSB260714008
 EUT Model: OPCBXICWB06
 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: 24.8°C
 Humidity: 55%
 Atmospheric Pressure: 100.3kPa
 Test Engineer: Destine Hu
 Check by: Jason Lu
 Test Date: 2026/8/11

Full Spectrum

**Critical Freqs**

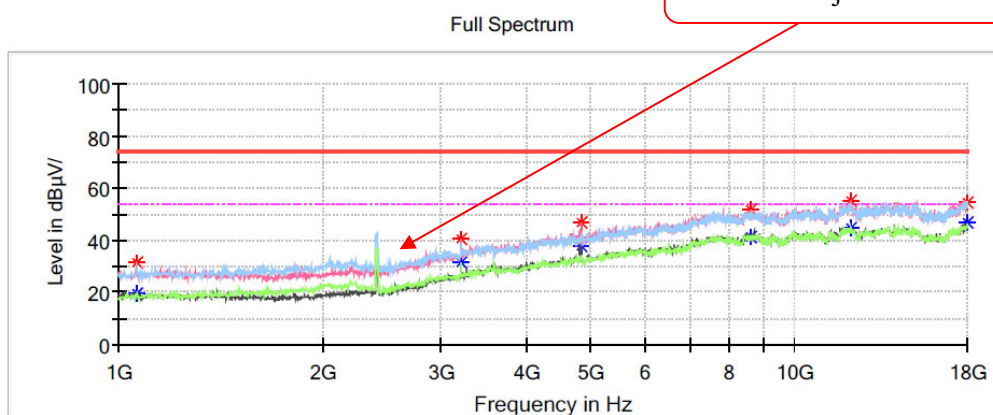
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
12088.000000	54.85	---	74.00	19.15	H	9.0
12088.000000	---	43.77	54.00	10.23	H	9.0
13681.600000	---	45.77	54.00	8.23	H	10.0
13681.600000	55.18	---	74.00	18.82	H	10.0
14123.200000	---	45.44	54.00	8.56	V	10.8
14123.200000	55.72	---	74.00	18.28	V	10.8
15916.800000	---	42.88	54.00	11.12	V	7.6
15916.800000	50.14	---	74.00	23.86	V	7.6
17040.000000	54.66	---	74.00	19.34	V	9.6
17040.000000	---	43.05	54.00	10.95	V	9.6
17998.400000	---	47.05	54.00	6.95	H	13.8
17998.400000	56.50	---	74.00	17.50	H	13.8

802.11g Mode:
1GHz-18GHz:

Low Channel: 2412MHz

Common Information

Project No.:	RKSB260714008
EUT Model:	OPCBXICWB06
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:	24.8℃
Humidity:	55%
Atmospheric Pressure:	100.3kPa
Test Engineer:	Destine Hu
Check by:	Jason Lu
Test Date:	2026/8/11

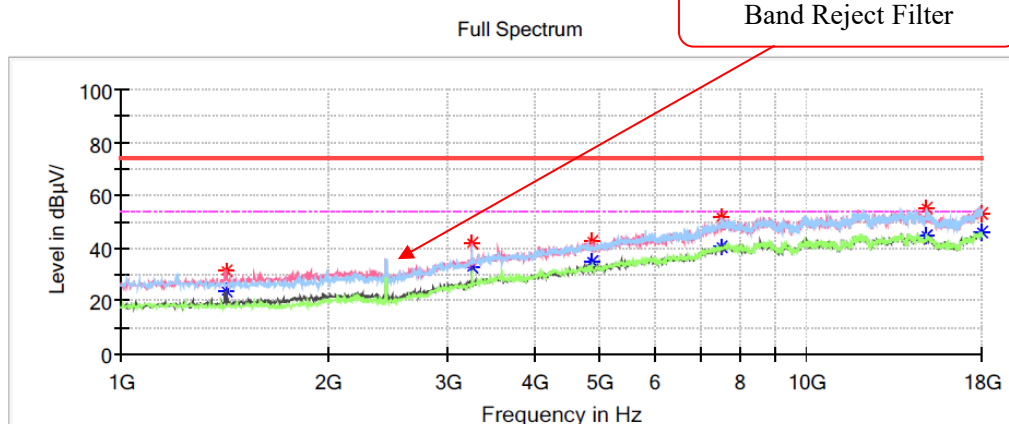


Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1061.200000	31.56	---	74.00	42.44	V	-15.9
1061.200000	---	19.55	54.00	34.45	V	-15.9
3213.400000	40.25	---	74.00	33.75	V	-7.5
3213.400000	---	31.19	54.00	22.81	V	-7.5
4821.600000	46.53	---	74.00	27.47	V	-3.4
4821.600000	---	38.01	54.00	15.99	V	-3.4
8602.400000	---	41.24	54.00	12.76	V	4.7
8602.400000	51.90	---	74.00	22.10	V	4.7
12107.800000	---	44.58	54.00	9.42	V	9.0
12107.800000	55.28	---	74.00	18.72	V	9.0
17983.000000	---	46.53	54.00	7.47	V	13.7
17983.000000	54.71	---	74.00	19.29	V	13.7

Middle Channel: 2437MHz**Common Information**

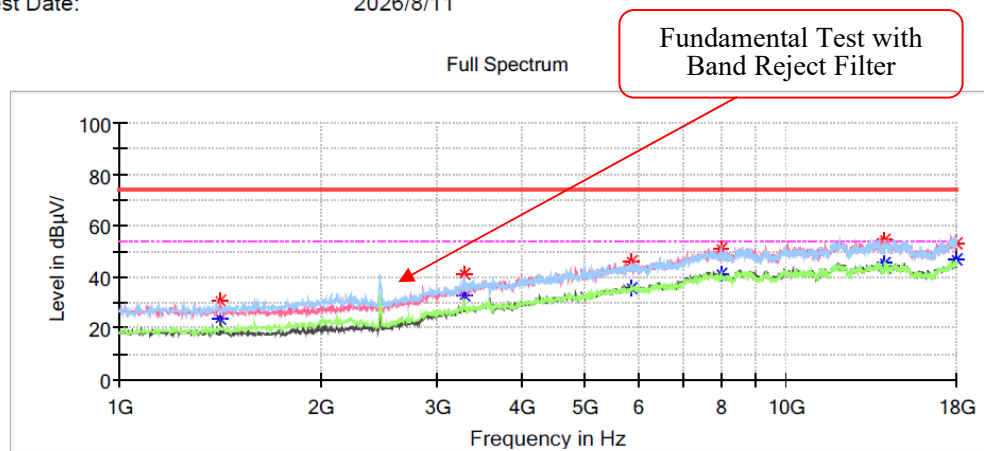
Project No.: RKSB260714008
EUT Model: OPCBXICWB06
Test Mode: 2.4G WIFI 802.11g mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 24.8℃
Humidity: 55%
Atmospheric Pressure: 100.3kPa
Test Engineer: Destine Hu
Check by: Jason Lu
Test Date: 2026/8/11

**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)
1421.600000	31.80	---	74.00	42.20	V	-14.4
1421.600000	---	23.85	54.00	30.15	V	-14.4
3247.400000	41.62	---	74.00	32.38	V	-7.4
3247.400000	---	32.62	54.00	21.38	V	-7.4
4872.600000	43.00	---	74.00	31.01	V	-3.2
4872.600000	---	34.63	54.00	19.37	V	-3.2
7497.400000	51.89	---	74.00	22.11	H	3.3
7497.400000	---	40.58	54.00	13.42	H	3.3
14970.600000	55.07	---	74.00	18.93	H	9.5
14970.600000	---	44.76	54.00	9.24	H	9.5
17966.000000	---	46.48	54.00	7.52	H	13.6
17966.000000	53.05	---	74.00	20.95	H	13.6

High Channel: 2462MHz**Common Information**

Project No.: RKSB260714008
 EUT Model: OPCBXICWB06
 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: 24.8°C
 Humidity: 55%
 Atmospheric Pressure: 100.3kPa
 Test Engineer: Destine Hu
 Check by: Jason Lu
 Test Date: 2026/8/11

**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)
1418.200000	---	23.79	54.00	30.21	V	-14.4
1418.200000	30.62	---	74.00	43.38	V	-14.4
3281.400000	---	32.86	54.00	21.14	V	-7.2
3281.400000	41.44	---	74.00	32.56	V	-7.2
5845.000000	---	35.75	54.00	18.25	H	-1.0
5845.000000	46.09	---	74.00	27.91	H	-1.0
7963.200000	51.10	---	74.00	22.90	H	3.4
7963.200000	---	40.97	54.00	13.03	H	3.4
14005.000000	54.73	---	74.00	19.27	H	10.6
14005.000000	---	45.37	54.00	8.63	H	10.6
17979.600000	53.30	---	74.00	20.70	H	13.7
17979.600000	---	46.94	54.00	7.06	H	13.7

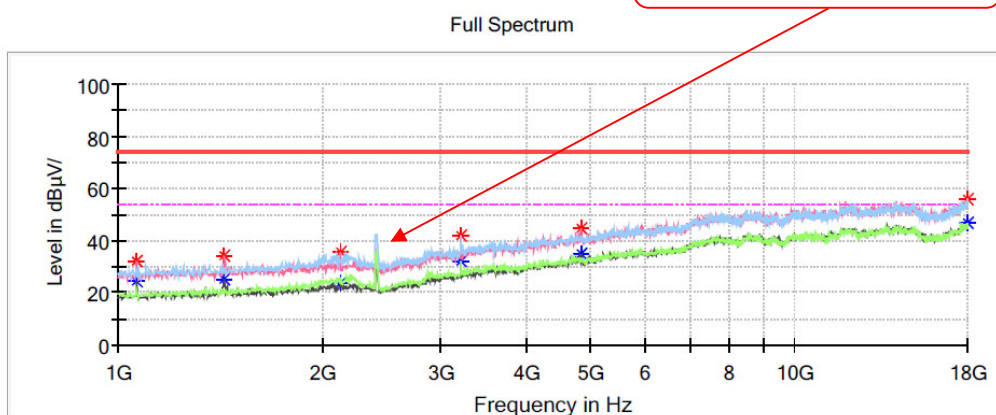
802.11n-HT20 Mode :
1GHz-18GHz:

Low Channel: 2412MHz

Common Information

Project No.:	RKSB260714008
EUT Model:	OPCBXICWB06
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:	24.8°C
Humidity:	55%
Atmospheric Pressure:	100.3kPa
Test Engineer:	Destine Hu
Check by:	Jason Lu
Test Date:	2026/8/11

Fundamental Test with
Band Reject Filter

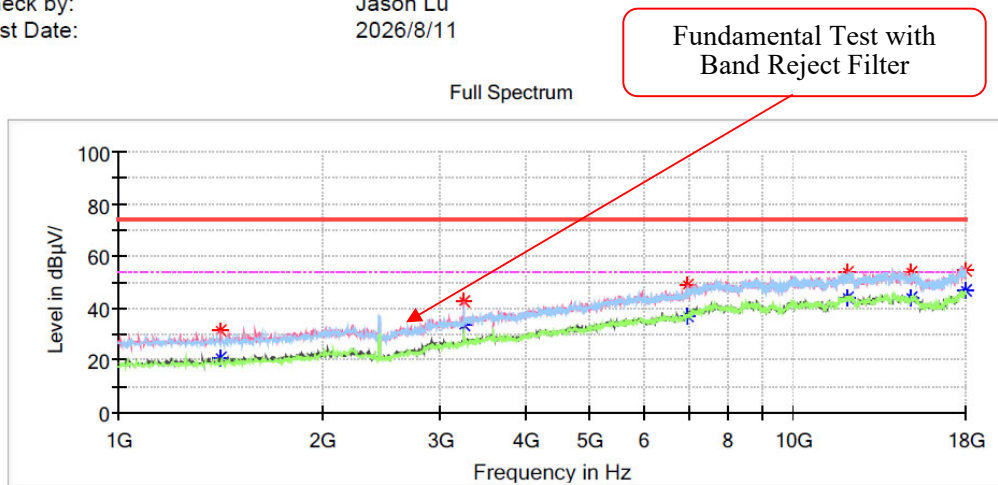


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1064.600000	31.82	---	74.00	42.18	V	-15.9
1064.600000	---	24.18	54.00	29.82	V	-15.9
1435.200000	34.22	---	74.00	39.78	V	-14.3
1435.200000	---	24.88	54.00	29.12	V	-14.3
2125.400000	35.85	---	74.00	38.15	V	-11.3
2125.400000	---	23.97	54.00	30.03	V	-11.3
3213.400000	42.13	---	74.00	31.87	H	-7.5
3213.400000	---	32.46	54.00	21.54	H	-7.5
4821.600000	45.00	---	74.00	29.00	H	-3.4
4821.600000	---	35.13	54.00	18.87	H	-3.4
17969.400000	---	46.89	54.00	7.11	H	13.6
17969.400000	56.13	---	74.00	17.87	H	13.6

Middle Channel: 2437MHz**Common Information**

Project No.: RKSB260714008
 EUT Model: OPCBXICWB06
 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: 24.8℃
 Humidity: 55%
 Atmospheric Pressure: 100.3kPa
 Test Engineer: Destine Hu
 Check by: Jason Lu
 Test Date: 2026/8/11

**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)
1414.800000	---	20.83	54.00	33.17	V	-14.4
1414.800000	31.43	---	74.00	42.57	V	-14.4
3247.400000	---	33.25	54.00	20.75	V	-7.4
3247.400000	42.38	---	74.00	31.62	V	-7.4
6963.600000	---	36.85	54.00	17.15	V	1.5
6963.600000	48.69	---	74.00	25.31	V	1.5
12063.600000	---	44.36	54.00	9.64	V	9.0
12063.600000	54.09	---	74.00	19.91	V	9.0
14977.400000	---	44.06	54.00	9.94	H	9.4
14977.400000	53.74	---	74.00	20.26	H	9.4
17966.000000	---	47.09	54.00	6.91	H	13.6
17966.000000	54.52	---	74.00	19.48	H	13.6